SALEM AVENUE SENIOR COMMUNITY

1038 Salem Avenue
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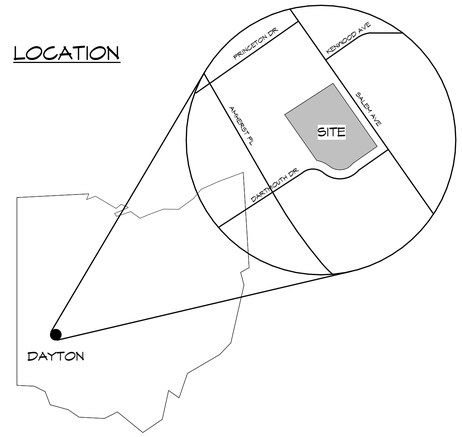
FOR

NATIONAL CHURCH RESIDENCES

5475 Rings Road, Suite
300 Dublin, Ohio 43017

LOCATION



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OHFA TRACKING #
HUD PROJECT #046-EE113

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NO.	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT INFORMATION

Phase: CONSTRUCTION DOCUMENTS
Issued for: 80% BID SET
Date of Issue: 1/06/2026
Project Number: 2025-21

G000

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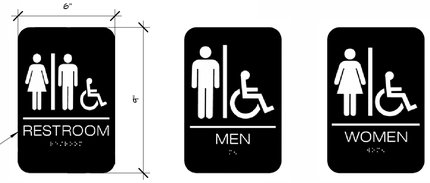
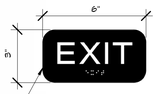
PROVIDE (1) SIGN COMPLYING WITH ADA AND LOCAL ACCESSIBILITY CODES AT ALL ELEVATORS, PER PLAN.

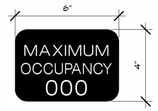


PROVIDE (1) SIGN PER TOILET COMPLYING WITH ADA AND LOCAL ACCESSIBILITY CODES. SIGN TO HAVE RAISED AND BRAILLE CHARACTERS AND PICTORIAL SYMBOL OF ACCESSIBILITY.

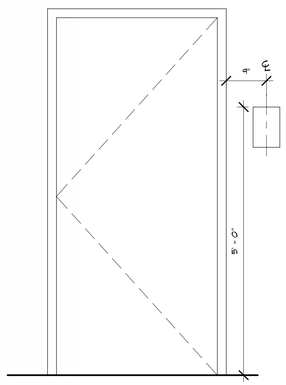


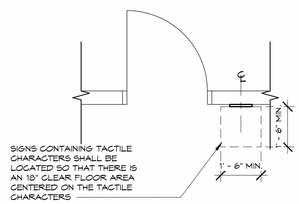
PROVIDE (1) SIGN COMPLYING WITH ADA AND LOCAL ACCESSIBILITY CODES AT ALL EXTERIOR EGRESS DOORS, PER PLAN.

PROVIDE (1) SIGN COMPLYING WITH ADA AND LOCAL ACCESSIBILITY CODES AT ALL STAIR DOORS, PER PLAN.



PROVIDE (1) SIGN





SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT THERE IS AN 18" CLEAR FLOOR AREA CENTERED ON THE TACTILE CHARACTERS

PICTOGRAM SIGN REQUIREMENTS

1. A PICTOGRAM SIGN SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND COMPLYING WITH ANSI 117.1-703.6.3.1 SHALL BE PROVIDED ADJACENT TO EACH UNISEX TOILET AND BATHING ROOM DOOR

2. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING DOUBLE LEAF DOORS AND STOREFRONT GLAZING, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE LATCH SIDE.

3. BLACK AND WHITE COLOR INDICATIONS PROVIDED FOR CONTRASTING COLOR DESCRIPTION ONLY. COORDINATE FINAL COLOR SELECTIONS WITH BUILDING SIGNAGE PACKAGE (TYP)

4. SOLID BLACK PLASTIC BACKGROUND WITH WHITE RAISED EMBLEMS AND 1-1/2" HIGH LETTERING NOTE - EMBLEMS AD LETTERING MUST BE RAISED MIN. 1/16" - TYP.

STATEMENT OF SPECIAL INSPECTION

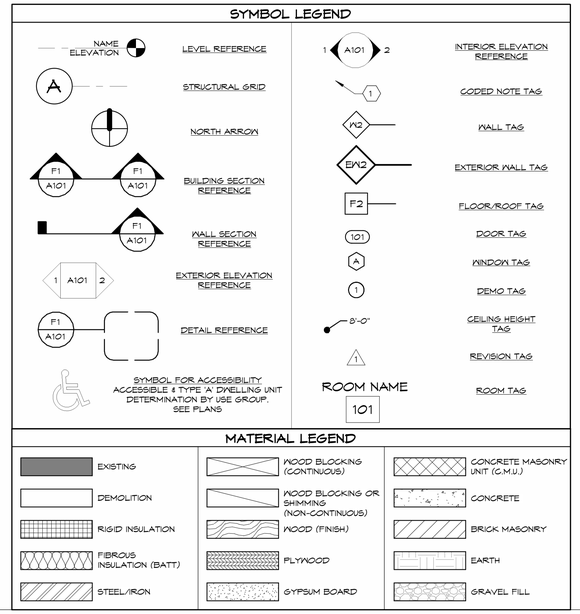
1705.1 GENERAL

THE OWNER WILL HIRE A THIRD PARTY WHERE SPECIAL INSPECTION OR TESTING IS REQUIRED BY SECTION 1705, 1707 OR 1709.

PART 1: SCHEDULE OF SPECIAL INSPECTIONS

NO.	ITEM	REQUIRED	CONTINUOUS INSPECTION	PERIODIC INSPECTION	REFERENCE
1	SPECIAL CASES (1705.1 OBC)				
	• MATERIALS & SYSTEMS NOT PRESCRIBED IN CODE				
	• UNUSUAL DESIGN APPLICATIONS				
	• ADDITIONAL REQUIREMENTS BY MANUFACTURERS				
2-13	REFER TO THE STRUCTURAL DRAWINGS FOR THESE INSPECTIONS	X			
	(OBC 1705.2-1705.13 OBC)				
14	SPRAYED FIRE-RESISTANT MATERIALS (1705.14 OBC)				
	• SURFACE CONDITIONS				
	• APPLICATION				
	• SPRAY THICKNESS				
	• SPRAY DENSITY				
	• SPRAY BONDING STRENGTH				
15	MASTIC/INTUMESCENT FIRE-RESISTANT COATINGS (1705.15 OBC)				
16	EIFS SYSTEM (1705.16 OBC)				
17	FIRE-RESISTANT PENETRATIONS & JOINTS (1705.17 OBC)				
	• PENETRATION FIRESTOPS				
	• FIRE-RESISTANT JOINT SYSTEMS				
	SPECIAL CASES (1705.1.1 OBC)				
	• MATERIALS & SYSTEMS NOT PRESCRIBED IN CODE				
	• ADDITIONAL REQUIREMENTS BY MANUFACTURERS				
18	TESTING FOR SMOKE CONTROL (1705.18 OBC)				
	• DUCTWORK				
	• LEAKAGE TESTING				
	• FINAL SYSTEM VERIFICATION				

SYMBOL LEGEND



MATERIAL LEGEND

GENERAL CONSTRUCTION NOTES:

A. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID, INCLUDING BUT NOT LIMITED TO, DIMENSIONS, SOIL CONDITIONS, INCOMING UTILITIES, ETC. GENERAL CONTRACTOR IS TO REPORT IMMEDIATELY TO THE ARCHITECT ANY VARIANCES OR FIELD CONDITIONS THAT MAY CAUSE CONSTRUCTION PROBLEMS TO COMMENCING WORK.

B. THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS FOR THE PROTECTION OF PERSONS INCLUDING EMPLOYEES AND PROPERTY. CONTRACTORS TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS.

C. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL WORK, INCLUDING MEANS, METHODS, PROCEDURES, TECHNIQUES AND SEQUENCING OF CONSTRUCTION.

D. GENERAL CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE (1) YEAR COMMENCING WITH THE DATE OF SUBSTANTIAL COMPLETION.

E. ALL SPECIFIED FIRE RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER THE SPECIFIED UL TESTED ASSEMBLY. ANY CONFLICT OF INFORMATION BETWEEN THE CONSTRUCTION DOCUMENTS AND THE SPECIFIED UL ASSEMBLY IS TO BE VERIFIED BY THE ARCHITECT PRIOR TO START.

F. ALL PRODUCTS/MATERIALS ARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATION/INDUSTRY STANDARDS.

G. FIREBLOCKING SHALL BE INSTALLED IN CONCEALED SPACES OF STUD WALL AND PARTITIONS, INCLUDING FURRED SPACES OF MASONRY OR CONCRETE WALLS AND AT CEILING/FLOOR/ROOF LEVELS, PER OBC SECTION 718.2.2. OR EQUIVALENT IBC SECTION.

H. FIRE BLOCKING SHALL BE INSTALLED AT ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES, SUCH AS SOFFITS OVER CABINETS, DROP CEILINGS AND SIMILAR CONDITIONS PER OBC SECTION 718.2.3. OR EQUIVALENT IBC SECTION.

J. FIRE BLOCKING SHALL BE INSTALLED AT "CONCEALED" EXTERIOR COMBUSTIBLE SOFFITS, MAXIMUM 20 FT. SPACING (NOT TO EXCEED 100 SQ. FT.) PER OBC SECTION 718.2.6 OR EQUIVALENT IBC SECTION.

K. REQUIRED FLAME SPREAD RATING: INTERIOR FINISH OF WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD RATING NOT GREATER THAN THAT DESIGNATED BY THE CLASS PRESCRIBED FOR THE VARIOUS GROUPS LISTED IN OBC TABLE 803.11.

L. PROVIDE FIRESTOP AND ACCESSORY MATERIALS AND INSTALL WITH FIRE RESISTANT RATING COMPLYING WITH LISTED UL RATING PER ASTM E814 OR E119 OR UL2079. INSTALL FIRESTOPPING TO CONFORM TO ALL LOCAL APPLICABLE BUILDING CODES. PROVIDE 3M, INC. PRODUCTS OR EQUAL.

M. SEE PROJECT MANUAL FOR ALL WRITTEN SPECIFICATIONS FOR THIS PROJECT.

N. GENERAL CONTRACTOR TO SUBMIT MULTIPLE COPIES OF SHOP DRAWINGS FOR ALL PRODUCTS INCLUDED IN SCOPE OF WORK FOR ARCHITECT/OWNER APPROVAL PRIOR TO ORDERING/COMMENCING OF WORK.

P. G.C. TO PROVIDE ALL FLOORING TRANSITION STRIPS PER FLOORING MATERIAL MANUFACTURER'S RECOMMENDATIONS AND COORDINATE W/ OWNER ON EXACT STYLE AND FINISHES. TYP.

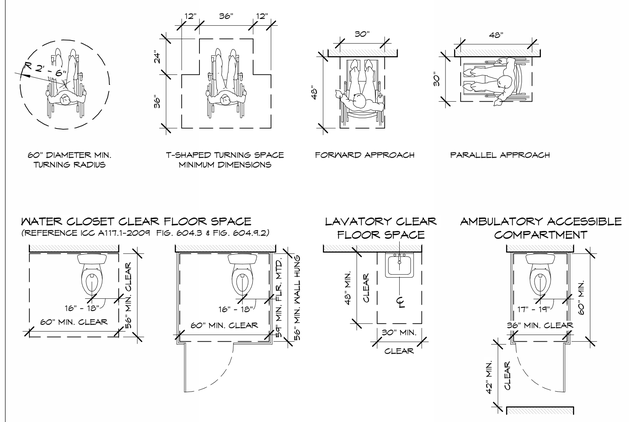
Q. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING PHASING OF CONSTRUCTION WITH OWNER. FACILITY WILL BE OPEN AND OPERATING DURING CONSTRUCTION, SOME WORKS MAY NEED TO BE COMPLETED DURING NON-TYPICAL HOURS.

R. GENERAL CONTRACTOR IS RESPONSIBLE TO MAKE SURE ALL FIRE PROTECTION DEVICES ARE MAINTAINED, INCLUDING: EXITS, EXIT LIGHTING, FIRE EXTINGUISHERS AND ALARMS IN CONFORMANCE WITH ALL APPLICABLE LOCAL CODES/REQUIREMENTS.

S. ALL EXTERIOR WOOD BLOCKING IS TO BE PRESSURE TREATED PER AWPA C1, C2 AND C9.

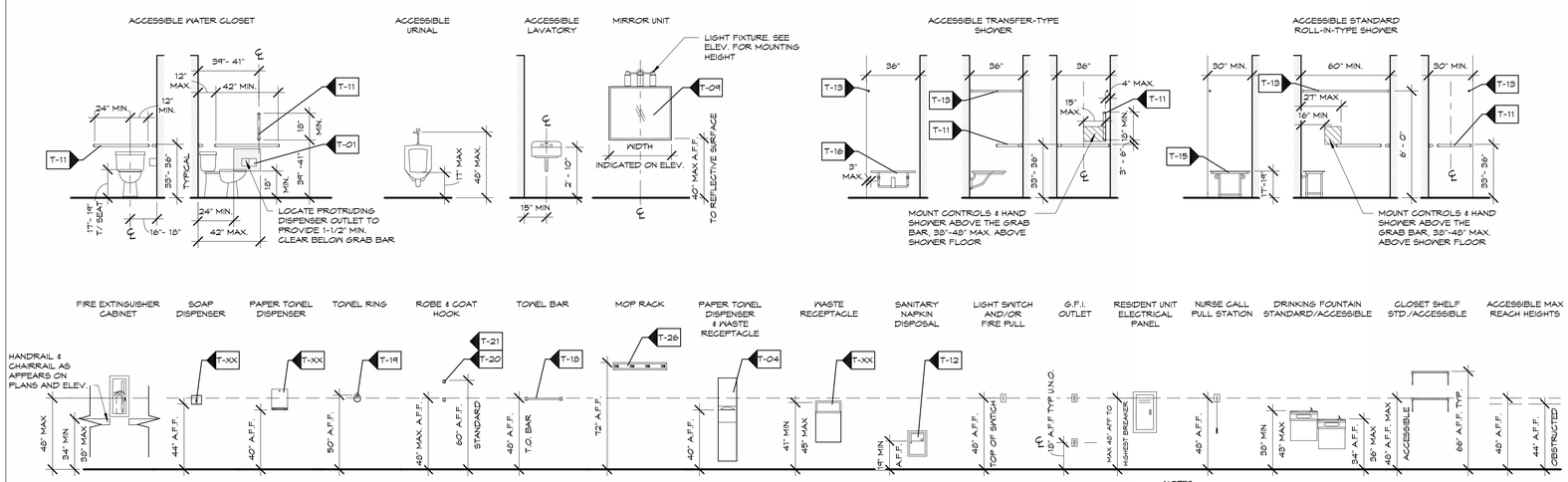
T. ALL FASTENERS OR CONNECTION HARDWARE IN DIRECT CONTACT WITH PRESSURE TREATED OR FIRE RETARDANT WOOD SHALL BE STAINLESS STEEL TYPE 304 OR TYPE 316 OR HOT-DIPPED GALVANIZED STEEL ASTM A653, CLASS G-185 WITH 1.85 OZ. OF ZINC/SQ.FT. TO REDUCE THE CORROSION PROCESS.

CLEAR FLOOR SPACE DIAGRAMS



ABBREVIATIONS

ACCOMM.	ACCOMMODATE	FLR.	FLOOR(ING)	P-LAM.	PLASTIC LAMINATE
ADMIN.	ADMINISTRATIVE	FLLR.	FILLER	PLYWD.	PLYWOOD SHEATHING
A.F.F.	ABOVE FINISH FLOOR	F.R.T.	FIRE RESISTANT TREATED	PR	PAIR
A.F.S.S.	AUTOMATIC FIRE SUPPRESSION SYSTEM	F.R.R.	FIRE RESISTIVE RATING	PRTN.	PARTITION
	ASSISTED LIVING	FRP.	FIBER REINFORCED PANEL	PSL	PARALLEL STRAND LUMBER
A.L.		'	FOOT (FEET)		
ALUM.	ALUMINUM	FT.	FOOT (FEET)	PT.	PAINT
&	AND	FURN.	FURNITURE	P.T.	PRESSURE TREATED
APPROX.	APPROXIMATE			PHY. THER.	PHYSICAL THERAPY
@	AT (THE RATE OF)	GALV.	GALVANIZE	PTD.	PAINTED
		G.C.	GENERAL CONTRACTOR	PVC	POLYVINYL CHLORIDE
BD.	BOARD	GFRG.	GLASS FIBER REINFORCED COLUMN		
BLDG.	BUILDING			R.D.	ROOF DRAIN
		GYP. BD.	GYPSUM BOARD	REF.	REFERENCE
CLG.	CEILING			REFRIG.	REFRIGERATOR
℄	CENTERLINE	HVAC	HEATING, VENTILATING & AIR CONDITIONING	RCP	REFLECTED CEILING PLAN
C.T.	CERAMIC TILE				
CLO.	CLOSET	H.M.	HOLLOW METAL	REQ'S	REQUIREMENTS /RECOMMENDATIONS
CLR.	CLEAR	HR.	HOUR(S)		
CONC.	CONCRETE			REQ'D.	REQUIRED
C.M.U.	CONCRETE MASONRY UNIT	I.L.	INDEPENDENT LIVING	R.O.	ROUGH OPENING
CONST.	CONSTRUCTION	INSUL.	INSULATION	R.B.	RUBBER BASE
CONT.	CONTINUOUS	"	INCHES		
C.J.	CONTROL JOINT	IN.	INCHES	SECT.	SECTION
C.M.	CONSTRUCTION MANAGER	I.T.	INFORMATION TECHNOLOGY	SIM.	SIMILAR
CPT.	CARPET			SF / S.F.	SQUARE FOOT (FEET)
		L.F.	LINEAR FOOT	SPEC.	SPECIFICATION /SPECIFIED
DEMO.	DEMOLISH	L.S.C.	LIFE SAFETY CODE		
DEPT.	DEPARTMENT	L.V.	LUXURY VINYL	STFT.	STOREFRONT
DIA.	DIAMETER	LVL	LAMINATED VENEER LUMBER	S.V.	SHEET VINYL
DIM.	DIMENSION				
DIR.	DIRECTED	MEP	MECHANICAL, ELECTRICAL, PLUMBING	TELECOM.	TELECOMMUNICATIONS
D.W.	DISHWASHER			TPO	THERMOPLASTIC POLYOLEFIN
DWG.	DRAWING	MFR.	MANUFACTURER		
		MAX.	MAXIMUM	TRANS.	TRANSPARENT
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	MECH.	MECHANICAL	TYP.	TYPICAL
		MIN.	MINIMUM		
E.J.	EXPANSION JOINT	MISC.	MISCELLANEOUS	U.C.	UNDER CABINET/UNDER COUNTER
ELEC.	ELECTRICAL	MTL.	METAL		
ELEV.	ELEVATOR			U.N.O.	UNLESS NOTED OTHERWISE
EQ./E.Q.	EQUAL	NOM.	NOMINAL		
EQUIP.	EQUIPMENT	N/A	NOT APPLICABLE		
EST.	ESTIMATED	N.I.C.	NOT IN CONTRACT	V.B.	VINYL BASE
EXST.	EXISTING	N.I.S.	NOT IN SCOPE	V.C.T.	VINYL COMPOSITION TILE
EXP.	EXPOSED	N.T.S.	NOT TO SCALE		
		# or NO.	NUMBER	V.I.F.	VERIFY IN FIELD
F.D.	FLOOR DRAIN				
F.E.	FIRE EXTINGUISHER	O.C.	ON CENTER	W/	WITH
F.E.C.	FIRE EXTINGUISHER CABINET	O.D.	OVERFLOW DRAIN	W/O	WITHOUT
FIN.	FINISH DIMENSION	OPP.	OPPOSITE	WD.	WOOD
F.F.	FINISH FLOOR	OSB	ORIENTED STRAND BOARD	WRB	WATER-RESISTIVE BARRIER
				W.P.	WORK POINT



NOTES:
1) MOUNT ACCESSORIES AS SHOWN. ACCESSIBLE DEVICES NOT TO EXCEED 48" U.N.O.
2) ELECTRICAL ITEMS - SEE ELECTRICAL DWGS. FOR ADDITIONAL INFORMATION.
3) CONTRACTOR TO PROVIDE BLOCKING/BACKING FOR ALL ACCESSORIES.
4) NOT ALL ACCESSORIES ARE USED. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION.

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NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 1/06/2026

GEN.NOTES, ABBREV, SYMBOLS

G001

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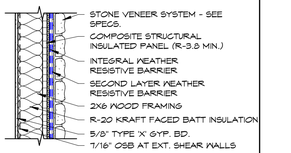
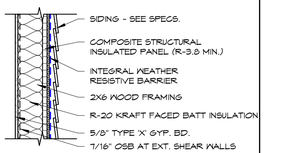
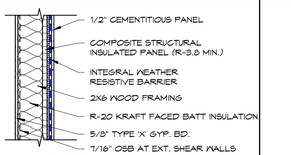
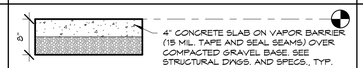
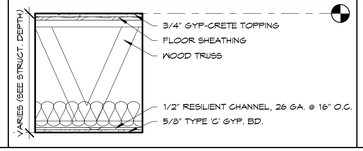
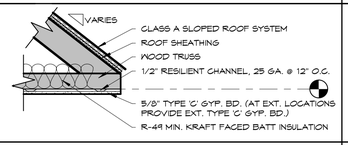
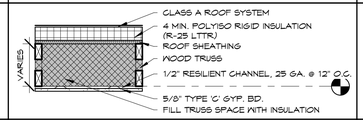
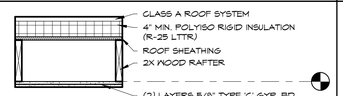
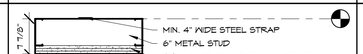
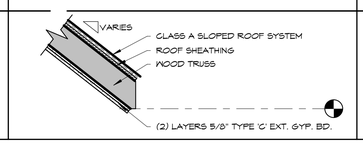
EXTERIOR WALL TYPE SCHEDULE

SYMBOL	RATING	UL DESIGN	CONSTRUCTION DETAIL	REMARKS
EW1	1 HR	UL U326	 STONE VENEER WALL SYSTEM	-
EW2	1 HR	UL U326	 CEMENTITIOUS SIDING WALL SYSTEM	-
EW3	1 HR	UL U326	 CEMENTITIOUS PANEL WALL SYSTEM	-

FLOOR/CEILING ASSEMBLY SCHEDULE

SYMBOL	RATING	DESIGN	STC	CONSTRUCTION DETAIL	NOTES
F1	-	-	-		
F2	1 HR	UL L501	50		- MIN. 15/32" OR 19/32" GRADE 'C' OR 'D' SHEATHING. SEE STRUCTURAL. - CROSS BRIDGING AS REQUIRED. - OPTIONAL 1/4" SOUNDMAT.
F3	1 HR	UL L526	57		- MIN. 23/32" GRADE 'C' OR 'D' SHEATHING. SEE STRUCTURAL.

ROOF/CEILING ASSEMBLY SCHEDULE

SYMBOL	RATING	DESIGN	STC	CONSTRUCTION DETAIL	NOTES
R1	1 HR	UL P522	-		- MIN. 19/32" GRADE 'C' OR 'D' SHEATHING. SEE STRUCTURAL.
R2	1 HR	UL P522	-		- MIN. 19/32" GRADE 'C' OR 'D' SHEATHING. SEE STRUCTURAL.
R3	1 HR	CALCULATED ROOF ASSEMBLY	-		- MIN. 19/32" GRADE 'C' OR 'D' SHEATHING. SEE STRUCTURAL.
R5	1 HR	UL I501	-		-
R6	1 HR	-	-		- MIN. 19/32" GRADE 'C' OR 'D' SHEATHING. SEE STRUCTURAL.

INTERIOR WALL TYPE SCHEDULE

SYMBOL / SUFFIX		RATING	UL DESIGN	TERMINATION (SEE GENERAL NOTES BELOW)	PENETRATION	CONSTRUCTION DETAIL	CONSTRUCTION: SIDE 1 (TOP)	CONSTRUCTION: STUDS	CONSTRUCTION: SIDE 2	STC	REMARKS
IW1	-	-	-	-	-	4 3/4"	5/8" TYPE 'X' GYP. BD.	2X4 WOOD @ 16" O.C.	5/8" TYPE 'X' GYP. BD.	34	STC = 36 WITH 3-1/2" SOUND INSULATION STC = 38 WITH 2" SOUND INSULATION SEE GENERAL NOTE 10 BELOW
	S (SMOKE)	SMOKE PARTITION		SEE GENERAL NOTE 11 BELOW	SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
	R (RATED)	1 HR	UL U305	SEE GENERAL NOTE 11 BELOW	SEE MEP DWGS. FOR UL ASSEMBLY						
	B (BEARING)				SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
IW2	-	-	-	-	-	6 3/4"	5/8" TYPE 'X' GYP. BD.	2X6 WOOD @ 16" O.C.	5/8" TYPE 'X' GYP. BD.	34	STC = 36 WITH 3-1/2" SOUND INSULATION STC = 38 WITH 2" SOUND INSULATION SEE GENERAL NOTE 10 BELOW
	S (SMOKE)	SMOKE PARTITION		SEE GENERAL NOTE 11 BELOW	SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
	R (RATED)	1 HR	UL U305		SEE MEP DWGS. FOR UL ASSEMBLY						
	B (BEARING)				SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
IW3	-	-	-	-	-	4 1/8"	5/8" TYPE 'X' GYP. BD.	2X4 WOOD @ 16" O.C.	-	-	-
IW4	-	-	-	-	-	6 1/8"	5/8" TYPE 'X' GYP. BD.	2X6 WOOD @ 16" O.C.	-	-	-
IW5	-	-	-	-	-	2 1/8"	5/8" TYPE 'X' GYP. BD.	2X4 WOOD @ 16" O.C.	-	-	STUDS TURNED SIDEWAYS
IW6	-	-	-	-	-	7 7/8"	5/8" TYPE 'X' GYP. BD., 1/2" RESILIENT CHANNELS, HORI. @ 24" O.C.	2X6 WOOD @ 16" O.C.	(2) LAYERS 5/8" TYPE 'X' GYP. BD.	55	3-1/2" SOUND INSULATION SEE GENERAL NOTE 10 AND 12 BELOW
	S (SMOKE)	SMOKE PARTITION		SEE GENERAL NOTE 11 BELOW	SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
	R (RATED)	1 HR	UL U305	SEE GENERAL NOTE 11 BELOW	SEE MEP DWGS. FOR UL ASSEMBLY						
	B (BEARING)				SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
IW7	-	-	-	-	-	7 1/4"	5/8" TYPE 'X' GYP. BD., 1/2" RESILIENT CHANNELS, HORI. @ 24" O.C.	2X6 WOOD @ 16" O.C.	5/8" TYPE 'X' GYP. BD.	52	3-1/2" SOUND INSULATION SEE GENERAL NOTE 10 AND 12 BELOW
	S (SMOKE)	SMOKE PARTITION		SEE GENERAL NOTE 11 BELOW	SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
	R (RATED)	1 HR	UL U309	SEE GENERAL NOTE 11 BELOW	SEE MEP DWGS. FOR UL ASSEMBLY						
	B (BEARING)				SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
IW8	-	-	-	-	-	(CORRIDOR SIDE) 7 3/4"	5/8" TYPE 'X' GYP. BD., 1/2" RESILIENT CHANNELS, HORI. @ 24" O.C.	2X6 WOOD @ 16" O.C.	5/8" TYPE 'X' GYP. BD. 1/2" OSB	52	3-1/2" SOUND INSULATION SEE GENERAL NOTE 10 AND 12 BELOW
	S (SMOKE)	SMOKE PARTITION		SEE GENERAL NOTE 11 BELOW	SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
	R (RATED)	1 HR	UL U309	SEE GENERAL NOTE 11 BELOW	SEE MEP DWGS. FOR UL ASSEMBLY						
	B (BEARING)				SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
IW9	-	-	-	-	-	(CORRIDOR SIDE) 8 3/8"	5/8" TYPE 'X' GYP. BD., 1/2" RESILIENT CHANNELS, HORI. @ 24" O.C.	2X6 WOOD @ 16" O.C.	(2) LAYERS 5/8" TYPE 'X' GYP. BD., 1/2" OSB	55	3-1/2" SOUND INSULATION SEE GENERAL NOTE 10 AND 12 BELOW
	S (SMOKE)	SMOKE PARTITION		SEE GENERAL NOTE 11 BELOW	SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
	R (RATED)	1 HR	UL U305	SEE GENERAL NOTE 11 BELOW	SEE MEP DWGS. FOR UL ASSEMBLY						
	B (BEARING)				SMOKE TIGHT. SEE MEP DWGS. FOR UL ASSEMBLY						
IW10	-	2 HR	UL U336	SEE GENERAL NOTE 11 BELOW	SEE MEP DWGS. FOR UL ASSEMBLY	1' - 0 3/4"	5/8" TYPE 'X' GYP. BD. ON 1/2" OSB ON 2X4 WOOD @ 16" O.C. 3/4" AIR SPACE	(2) LAYERS 1" SHAFT LINER IN 2" 'H' STUD @ 24" O.C.	5/8" TYPE 'X' GYP. BD. ON 1/2" OSB ON 2X4 WOOD @ 16" O.C. 3/4" AIR SPACE	54	NON-LOAD BEARING 3-1/2" SOUND INSULATION AS REQ'D
MB	R (RATED)	1 HR	UL U415	SEE GENERAL NOTE 11 BELOW	SEE MEP DWGS FOR UL ASSEMBLY	3 1/8"	5/8" TYPE 'X' GYP. BD.	2-1/2" C-H' MTL. @ 24" O.C.	1" TYPE 'X' GYP. BD.	-	-

GENERAL WALL TYPE NOTES:

1. SEE FLOOR PLANS FOR WALL TYPE REFERENCES.
2. INTERIOR DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD OR FACE OF BLOCK TO FACE OF STUD UNLESS NOTED OTHERWISE.
3. EXTERIOR DIMENSIONS ARE FROM EXTERIOR FACE OF STUD TO EXTERIOR FACE OF STUD UNLESS NOTED OTHERWISE. SEE EXTERIOR WALL TYPE SCHEDULE FOR EXTERIOR WALL MATERIALS.
4. RATED PARTITIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LISTED TESTED ASSEMBLY INDICATED BY UNDERWRITERS LABORATORIES (UL) NUMBER. ALL RATED PARTITIONS ARE TO BE CONTINUOUS AS INDICATED BELOW AND SEALED IN ACCORDANCE WITH TESTED ASSEMBLY.
5. WALLS SHALL BE **TYPE 'W1'** UNLESS NOTED OR DETAILED OTHERWISE.
6. ALL GYP. BD. SHALL BE **TYPE 'X'** UNLESS NOTED OTHERWISE. **NOTE:** RATED WALL SYSTEMS ARE INDICATED ON THE FIRE SEPARATION PLAN ON SHEET **G003**. WALL TYPE DESIGNATIONS FOR RATED FIRE RESISTANT WALLS ARE SPECIFIC TO THE WALLS LOCATED/DESIGNATED AS SUCH (i.e. ALL GYP. BD. SHALL BE TYPE 'X' FOR EASE OF CONSTRUCTION, BUT THIS DOES NOT NECESSARILY INDICATE A RATED WALL LOCATION)
7. ALL WALL TYPES TO RECEIVE TILE OR OTHER POROUS WALL PANEL SHALL HAVE GLASS MAT GYPSUM BOARD AND ALL OTHER WALL TYPES IN WET LOCATIONS WHICH ARE NOT RECEIVING TILE SHALL HAVE MOISTURE RESISTANT BOARD.
8. PROVIDE GYPSUM BOARD CONTROL JOINTS WHERE WALLS AND CEILINGS EXTEND MORE THAN 30'-0" AT INTERIOR PARTITIONS PER MANUFACTURER RECOMMENDATIONS. COORDINATE EXACT LOCATIONS IN FIELD WITH ARCHITECT/OWNER.
9. PROVIDE FIRE SAFING AT ALL PARTITIONS/FURRED WALLS AT CEILING LEVELS OPEN TO CEILING PLENUMS.
10. PROVIDE SOUND BATTING TYPICAL AT ALL COMMON AREA OFFICES, TOILET/ BATHS, MECHANICAL ROOMS, SUPPORT ROOMS, CORRIDORS, AND WITHIN RESIDENT ROOMS; AT BEDROOMS, BATHROOMS AND MECHANICAL CLOSETS.
11. FIRE BARRIER WALLS - SHOWN ON CODE SHEET; ENTIRE WALL CONSTRUCTION TO TERMINATE AT UNDERSIDE OF FLOOR/ROOF SHEATHING OR WALLS SHALL TERMINATE AT HORIZONTAL FIRE BARRIER ASSEMBLY. SEE CODE PLANS, RCPs & RATED DECK PLAN FOR ADDITIONAL INFORMATION.

    FIRE WALLS - SHOWN ON CODE SHEET; ENTIRE WALL CONSTRUCTION TO EXTEND TO BOTTOM OF ROOF SHEATHING.

    SMOKE BARRIER WALLS - SHOWN ON CODE SHEET; ENTIRE WALL CONSTRUCTION TO EXTEND TO BOTTOM OF FLOOR/ROOF SHEATHING.

    FIRE PARTITIONS, SMOKE PARTITIONS AND OTHER RATED WALLS - SHOWN ON CODE SHEET; ENTIRE WALL TO TERMINATE AT UNDERSIDE OF RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY.
12. SEE STRUCTURAL DRAWINGS FOR WALLS THAT REQUIRE SHEATHING FOR SHEAR WALLS. DIMENSIONS ON FLOOR PLANS DO NOT INCLUDE SHEATHING DIMENSIONS. CONTRACTOR TO VERIFY ALL SHEAR WALL LOCATIONS AND CORRESPONDING DIMENSIONS PRIOR TO CONSTRUCTION.

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WALL TYPES, FLOOR TYPES, ROOF TYPES

G002

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CODE SUMMARY / R-2 BUILDINGS

CODES:

THIS PROJECT IS GOVERNED BY THE FOLLOWING CODES AND AUTHORITIES:
1. OHIO BUILDING CODE (OBC 2024 EDITION)
2. NATIONAL FIRE CODES - TO EXTENT CALLED FOR BY OBC
3. 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
4. 2017 ICC A117.1 ACCESSIBLE BUILDINGS AND FACILITIES

USE GROUP AND CONSTRUCTION TYPE: (OBC 310 & 601)

	OBC	LSC
USE GROUP: **SENIOR APARTMENTS** R-2 (SECT 310.4)		NEW APARTMENT BUILDING (CH.30)
CONSTRUCTION:	5A (SECT. 601)	V(III)

FIRE PROTECTION:

FULLY SPRINKLED WITH AUTOMATIC FIRE ALARM SYSTEM PER NFPA 13R.

ALLOWABLE BUILDING LIMITATIONS: (OBC CH.5)	BUILDING 1	BUILDING 2
TABULAR BUILDING HEIGHT: (OBC 504.3)	60 FT	60 FT
TABULAR BUILDING STORIES: (OBC 504.4)	FOUR (4) STORIES	FOUR (4) STORIES
TABULAR BUILDING AREA: (OBC 506.2)	12,000 SF	12,000 SF
ALLOWABLE AREA - FRONTAGE INCREASE (SECTION 506.3):	NOT REQUIRED	NOT REQUIRED
ALLOWABLE BUILDING AREA PER FLOOR WITH INCREASES (SECTION 506.1):	NOT REQUIRED	NOT REQUIRED
ACTUAL BUILDING CALCULATIONS:		
BUILDING HEIGHT:	3 STORIES (37'-6")	3 STORIES (37'-6")
BUILDING AREA:		
FIRST FLOOR:	10,764 S.F.	10,530 S.F.
SECOND FLOOR:	10,587 S.F.	10,304 S.F.
THIRD FLOOR:	10,587 S.F.	10,304 S.F.
TOTAL BUILDING AREA:	31,943 S.F.	31,138 S.F.

FIRE RESISTANCE RATINGS: (OBC TABLE 601 AND REFERENCE SECTION)

	CODE (5A)	DESIGN
STRUCTURAL FRAME: (& REF. SECT. 704) (INCLUDING COLUMNS, GIRDERS, TRUSSES)	1 HR	X528 (COLUMNS)
BEARING WALLS:		
EXTERIOR WALLS: (& REF. SECT. 602)	1 HR	U356
INTERIOR WALLS:	1 HR	U305 (TYP), U327 (DWELLING UNIT) U344 (SHEAR)
NON BEARING WALLS AND PARTITIONS:		
EXTERIOR WALLS: (& REF. SECT. 602)	1 HR	U356
INTERIOR WALLS:	AS REQ'D. SEE BELOW	N/A
FLOOR CONSTRUCTION: (& REF. SECT. 711) (INCLUDING SUPPORTING BEAMS & JOISTS)	1 HR	L528 (WEB TRUSS) L501 (CORRIDOR)
ROOF CONSTRUCTION: (& REF. SECT. 711) (INCLUDING SUPPORTING BEAMS & JOISTS)	1 HR	P522
FIRE WALLS: (& REF. SECT. 706.4)	2 HR	U336
FIRE WALL DOORS (& TABLE 716.5)	90 MIN. W/LITE	SEE DR. SCHEDULE
FIRE BARRIERS:		
SHAFT ENCLOSURES (SECT. 713)	1 HR	SEE WALL TYPE SCHEDULE
VERTICAL EXIT ENCLOSURES (SECT. 1023)	1 HR	SEE WALL TYPE SCHEDULE
FIRE RATED DOORS: (& TABLE 716.5)	45 MIN & 60 MIN	SEE DR. SCHEDULE
FIRE PARTITIONS: (& REF. SECT. 708)		
CORRIDOR WALLS: (& REF. SECT. 420, 1020.1 & TABLE 601)	1/2 HR	SEE WALL TYPE SCHEDULE
DWELLING UNIT SEPARATIONS: (& REF. SECT. 420 & 708.3)	1 HR (STC 50 REQ'D)	SEE WALL TYPE SCHEDULE
FIRE RATED DOORS: (& TABLE 716.5)	20 MIN.	SEE DOOR SCHEDULE
DRAFT STOPPING		
FLOORS: (REF. 718.3.2)	REQ'D UNLESS SPRINKLED	
ATTICS: (REF. 718.4.2)	NOT REQ'D. PROVIDE FULL ATTIC SPRINKLER	
BOILER ROOMS: (& REF. TABLE 509 / LSC 30.3.2.1.1)	1 HR	
LAUNDRIES OVER 100 S.F & BULK LAUNDRIES.: (& REF. TABLE 509 / LSC 30.3.2.1.1)	1 HR	
TRASH COLLECTION ROOMS: (& REF. TABLE 509 / LSC 30.3.2.1.1)	1 HR	
DOORS RATING IN APPLICABLE ROOMS: (& REF. TABLE 716.5)	45 MIN.	
DOOR REQUIRED WIDTH (OBC 1008.1.1)	32"	
SHAFTS, CHUTES, AND ELEVATOR HOISTWAYS: (& REF. SECT. 713.4)	1 HR	
COMMON PATH OF TRAVEL (1006.2):	125 L.F.	
EXIT ACCESS CORRIDOR WIDTH: (REF. SECT. 1020.2)	44" MIN.	
EXIT ACCESS TRAVEL DISTANCE: (& REF. SECT. 1017, LSC 30.2.6)	200 LF FROM ANY POINT IN A ROOM TO AN EXIT	
DEAD END CORRIDOR LENGTH (REF. SECT. 1020.5)	50'-0"	

UNIT SCHEDULE:

UNIT	TYPE	DESCRIPTION	QUANTITY
FIRST FLOOR			
A	(1) BEDROOM	ANSI TYPE 'A'/UFAS	3
A	(1) BEDROOM	ANSI TYPE 'B'	17
A	(1) BEDROOM	ANSI TYPE 'B'/SENSORY	1
SECOND FLOOR			
A	(1) BEDROOM	ANSI TYPE 'A'/UFAS	3
A	(1) BEDROOM	ANSI TYPE 'B'	23
A	(1) BEDROOM	ANSI TYPE 'B'/SENSORY	1
THIRD FLOOR			
A	(1) BEDROOM	ANSI TYPE 'A'/UFAS	3
A	(1) BEDROOM	ANSI TYPE 'B'	24
TOTAL UNITS:			75

ACCESSIBLE UNITS:

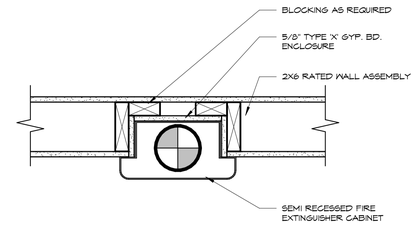
- SENIOR APARTMENTS 2% OF **75** UNITS SHALL BE TYPE 'A' UNITS
  2 TYPE 'A' UNITS ARE REQUIRED, **9** TYPE 'A' UNITS ARE PROVIDED. ALL OTHER R-2 UNITS MUST MEET TYPE 'B' STANDARDS

5% x2 OF 75 UNITS SHALL BE OHFA SECTION 504 MOBILITY UNITS. 8 MOBILITY UNITS ARE REQUIRED, 9 MOBILITY UNITS ARE PROVIDED.

2% OF 75 UNITS SHALL BE OHFA SECTION 504 SENSORY UNITS. 2 SENSORY UNITS ARE REQUIRED, 2 SENSORY UNITS ARE PROVIDED.

OVERALL FLOOR SQUARE FOOTAGES:

FIRST FLOOR	= 21,299
SECOND FLOOR	= 20,691
THIRD FLOOR	= 20,691
TOTAL SQUARE FOOTAGE	= 62,681



A2 PLAN DETAIL
1 1/2" = 1'-0"

CODE PLAN LEGEND:

- 1/2 HOUR FIRE PARTITION
- 1 HOUR SMOKE BARRIER
- 1 HOUR FIRE RESISTIVE RATING
- 1 HOUR FIRE BARRIER
- 2 HOUR FIRE WALL
- EXIT DISCHARGE
- FIRE EXTINGUISHER
- FIRE EXTINGUISHER CABINET
- ACCESSIBLE UNIT (ACCESSIBLE OR TYPE 'A' AS REQ'D)
- SENSORY COMPATIBLE UNIT

NOTE: ALL STRUCTURAL BEARING WALLS TO HAVE 1 HOUR FIRE RESISTIVE RATING - SEE STRUCTURAL DRAWINGS. (POCHED WALLS ON ARCH. FLOOR PLANS INDICATE BEARING WALLS)

DOORS WITHIN A 1 HR RATED STRUCTURAL BEARING WALL DO NOT NEED TO BE RATED. SEE DOOR SCHEDULE FOR MORE INFORMATION.

EXTERIOR STRUCTURAL BEARING WALLS ARE TO RECEIVE TYPE 'X' GYPSUM BOARD ON INSIDE FACE TO MAINTAIN 1 HOUR FIRE RESISTIVE RATING FROM INSIDE.

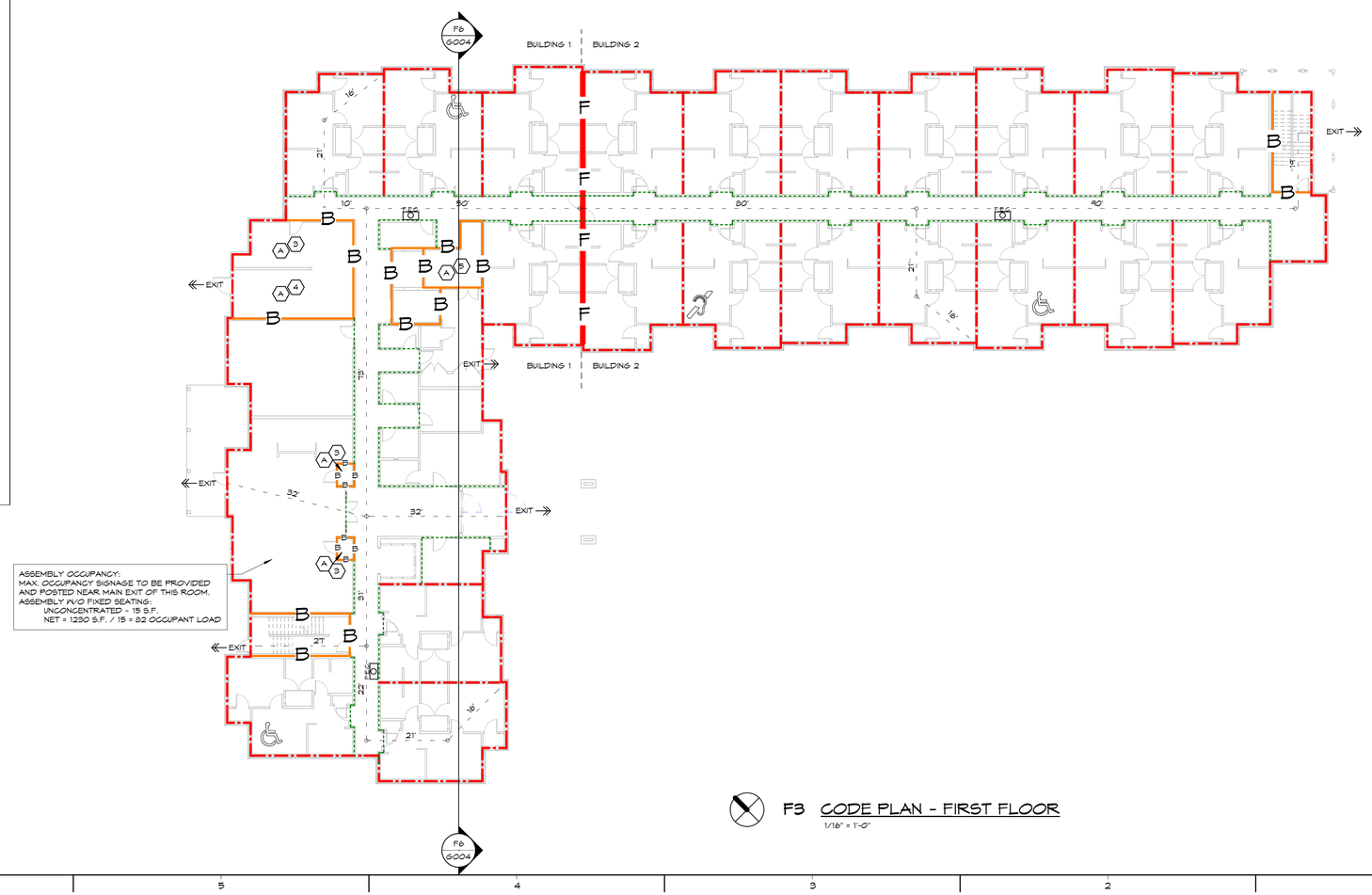
ALL STRUCTURAL STEEL MEMBERS TO HAVE 1 HOUR F.R.R. ASSEMBLY

HAZARDOUS ROOM NAME LEGEND:

1. STORAGE ROOM > 100 SF
2. LAUNDRY ROOM
3. MECHANICAL ROOM
4. ELECTRICAL ROOM
5. TRASH ROOM
6. ELEVATOR MACHINE ROOM

A. WALLS SHALL EXTEND TO FLOOR/ROOF SHEATHING

B. WALLS SHALL TERMINATE AT HORIZONTAL UL 1501 ASSEMBLY. SEE RCPs AND RATED DECK PLANS FOR MORE INFORMATION.



F3 CODE PLAN - FIRST FLOOR
1/16" = 1'-0"

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CODE PLAN, CODE SUMMARY

G003

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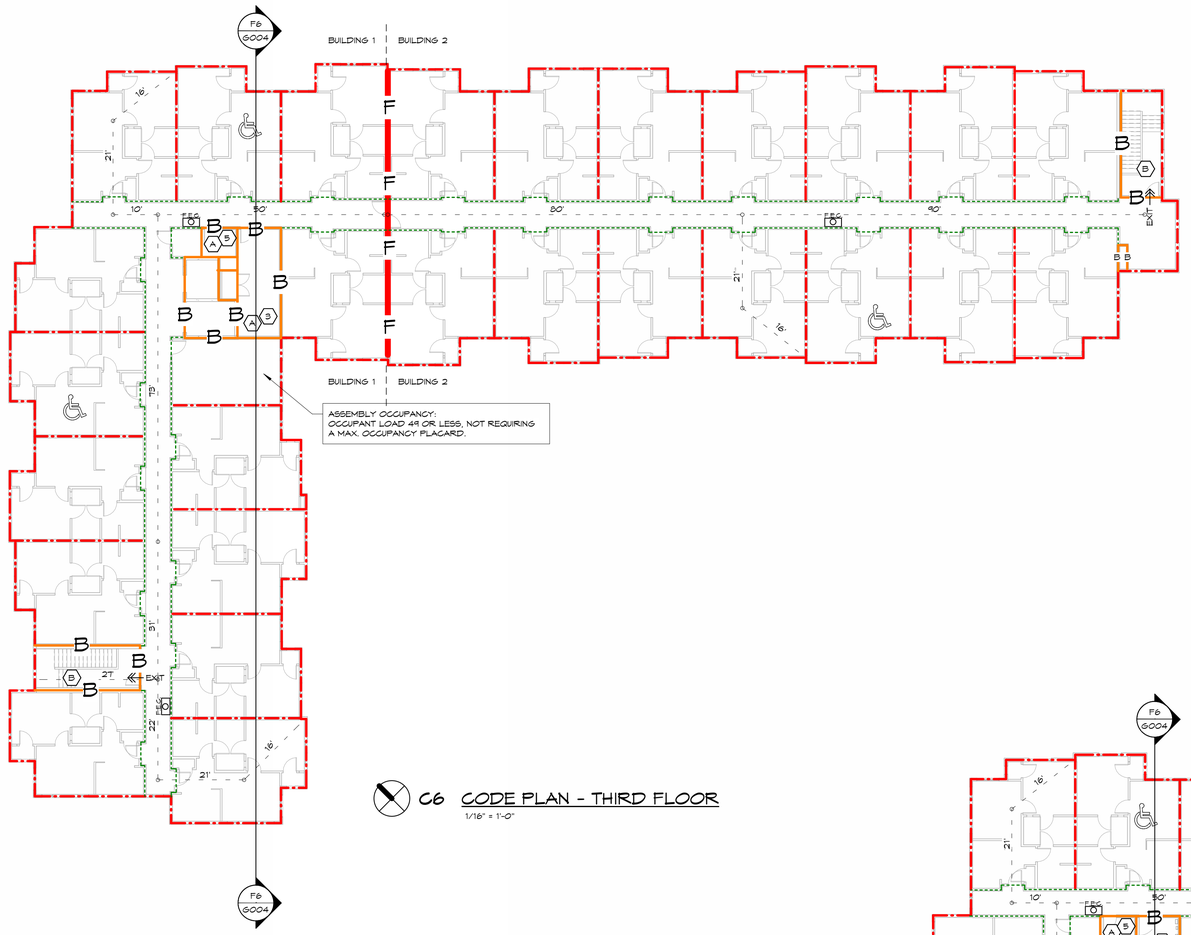
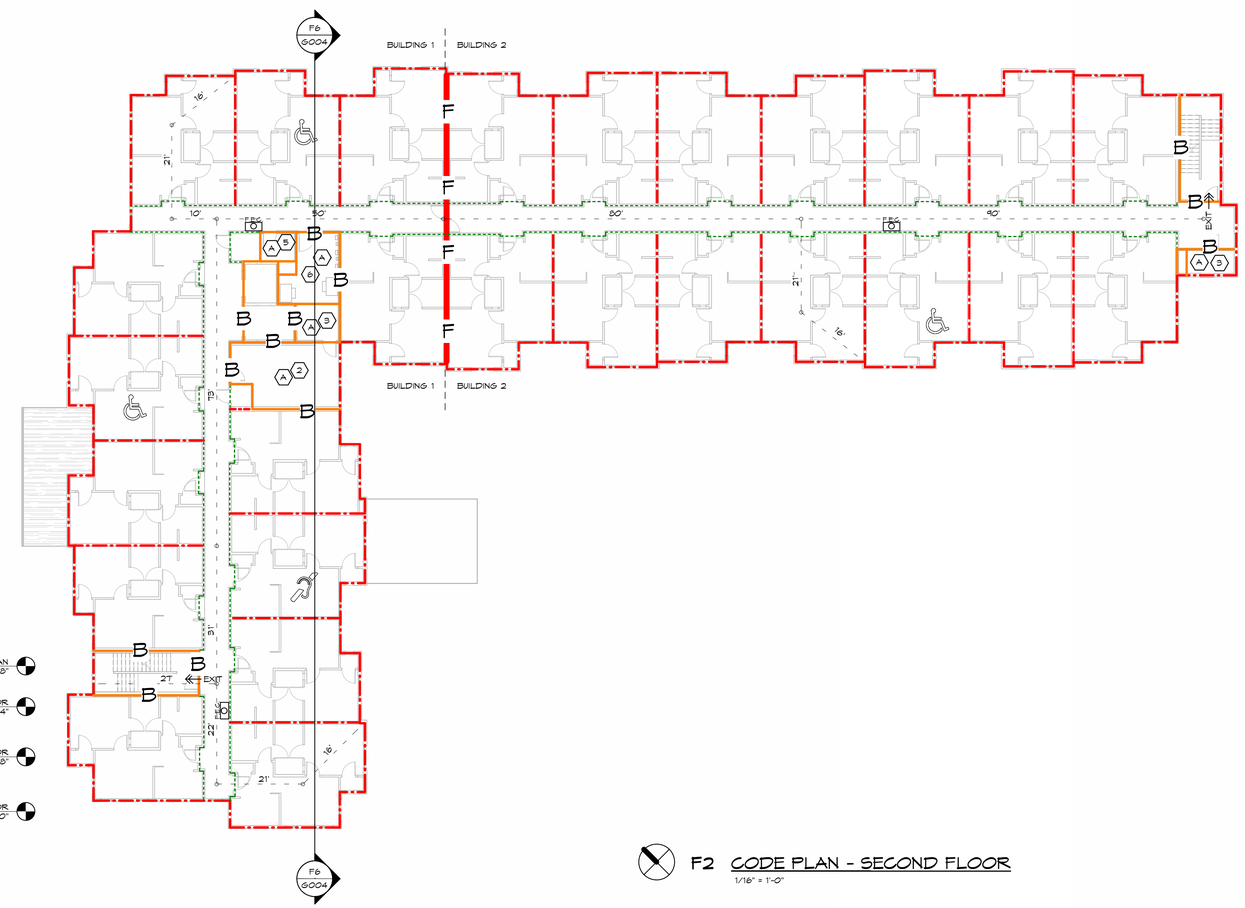


C6 CODE PLAN - THIRD FLOOR
1/16" = 1'-0"



F2 CODE PLAN - SECOND FLOOR
1/16" = 1'-0"

F6 CODE SECTION
1/16" = 1'-0"

CODE PLAN LEGEND:

- 1/2 HOUR FIRE PARTITION
- 1 HOUR SMOKE BARRIER
- 1 HOUR FIRE RESISTIVE RATING
- 1 HOUR FIRE BARRIER
- 2 HOUR FIRE WALL
- EXIT DISCHARGE
- FIRE EXTINGUISHER
- FIRE EXTINGUISHER CABINET
- ACCESSIBLE UNIT (ACCESSIBLE OR TYPE 'A' AS REQ'D)
- SENSORY COMPATIBLE UNIT

NOTE: ALL STRUCTURAL BEARING WALLS TO HAVE 1 HOUR FIRE RESISTIVE RATING - SEE STRUCTURAL DRAWINGS. (PSOCHED WALLS ON ARCH. FLOOR PLANS INDICATE BEARING WALLS)

DOORS WITHIN A 1 HR RATED STRUCTURAL BEARING WALL DO NOT NEED TO BE RATED. SEE DOOR SCHEDULE FOR MORE INFORMATION.

EXTERIOR STRUCTURAL BEARING WALLS ARE TO RECEIVE TYPE 'X' GYPSUM BOARD ON INSIDE FACE TO MAINTAIN 1 HOUR FIRE RESISTIVE RATING FROM INSIDE.

ALL STRUCTURAL STEEL MEMBERS TO HAVE 1 HOUR F.R.R. ASSEMBLY

HAZARDOUS ROOM NAME LEGEND:

1. STORAGE ROOM > 100 SF
2. LAUNDRY ROOM
3. MECHANICAL ROOM
4. ELECTRICAL ROOM
5. TRASH ROOM
6. ELEVATOR MACHINE ROOM

A. WALLS SHALL EXTEND TO FLOOR/ROOF SHEATHING

B. WALLS SHALL TERMINATE AT HORIZONTAL UL 1501 ASSEMBLY. SEE RCPs AND RATED DECK PLANS FOR MORE INFORMATION.

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CODE PLANS

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ROOF ZONE NAME	AREA (SF)	REQ'D VENT AREA (SF) (1/150 OF ZONE AREA)	SOFFIT AREA (SF)	SOFFIT VENT FREE AREA (SF)	LINEAR FT OF RIDGE	RIDGE VENT AREA	LINERA FT OF SMART	SMART VENT AREA	TOTAL VENT AREA PROVIDED	GREEN = PASS RED = FAIL
ZONE 1	7,972	53.15	310	37.2	97.00	9.50	235	17.95	64.66	11.51
ZONE 2	2,235	14.92	121	14.52	72.00	7.06	0	0.00	21.58	6.66
ZONE 3	12,950	86.33	481	57.72	255.00	24.99	384	29.33	112.04	25.71

SOFFIT VENT FREE AREA (% FREE)	12%
RIDGE VENT FREE AREA (IN PER LINEAR FT)	14.11
SMART VENT FREE AREA (IN PER LINEAR FT)	11

DRAFT-STOPPING ATTICS PER OBC SECTION 718.4

FIRES THAT SPREAD TO ATTICS THAT ARE NOT PROPERLY DRAFT-STOPPED OFTEN CAUSE CONSIDERABLE DAMAGE. FOR THIS REASON, DRAFT-STOPPING IS REQUIRED IN ATTIC ROOF SPACES PER SECTION 718.4.2 AND 718.4.3. VENTILATION OF CONCEALED ROOF SPACES SHALL BE MAINTAINED IN ACCORDANCE WITH SECTION 1203.2.1.

SECTION 718.4.2: GROUPS R-1 AND R-2.
EXCEPTION #3. IN OCCUPANCIES IN GROUP R-2 THAT DO NO EXCEED (4) STORIES, THE ATTIC SPACE SHALL BE SUBDIVIDED BY DRAFTSTOPS IN AREAS NOT EXCEEDING 3,000 S.F. OR SHALL BE PLACED ABOVE EVERY (2) DWELLING UNITS.

SECTION 718.3.1: DRAFT-STOPPING MATERIALS: DRAFT-STOPPING MATERIALS SHALL NOT BE LESS THAN 1/2" GYP. BD., 3/8" OSB PANEL BOARD, 3/8" PARTICLE BOARD OR NOT LESS THAN 1" NOMINAL LUMBER, CEMENT FIBERBOARD, BATTS OR BLANKETS. THE INTEGRITY OF DRAFT STOPS SHALL BE MAINTAINED.

FIRE DEPARTMENT ACCESS: PROVIDE 3' X 7' PLYWOOD ACCESS PANELS AS SHOWN ON PLANS. ACCESS PANELS ARE REQUIRED TO HAVE SPRING HINGES SO PANELS WILL BE SELF-CLOSING.

DRAFT-STOPPING CODES DO NOT REQUIRE THE USE OF FIRE CAULKING OR THE USE OF TAP TO SEAL JOINTS.

UNVENTED ATTICS PER OBC SECTION 1203.3

UNVENTED ATTICS AND ENCLOSED ROOF FRAMING ASSEMBLIES ARE PERMITTED WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET:

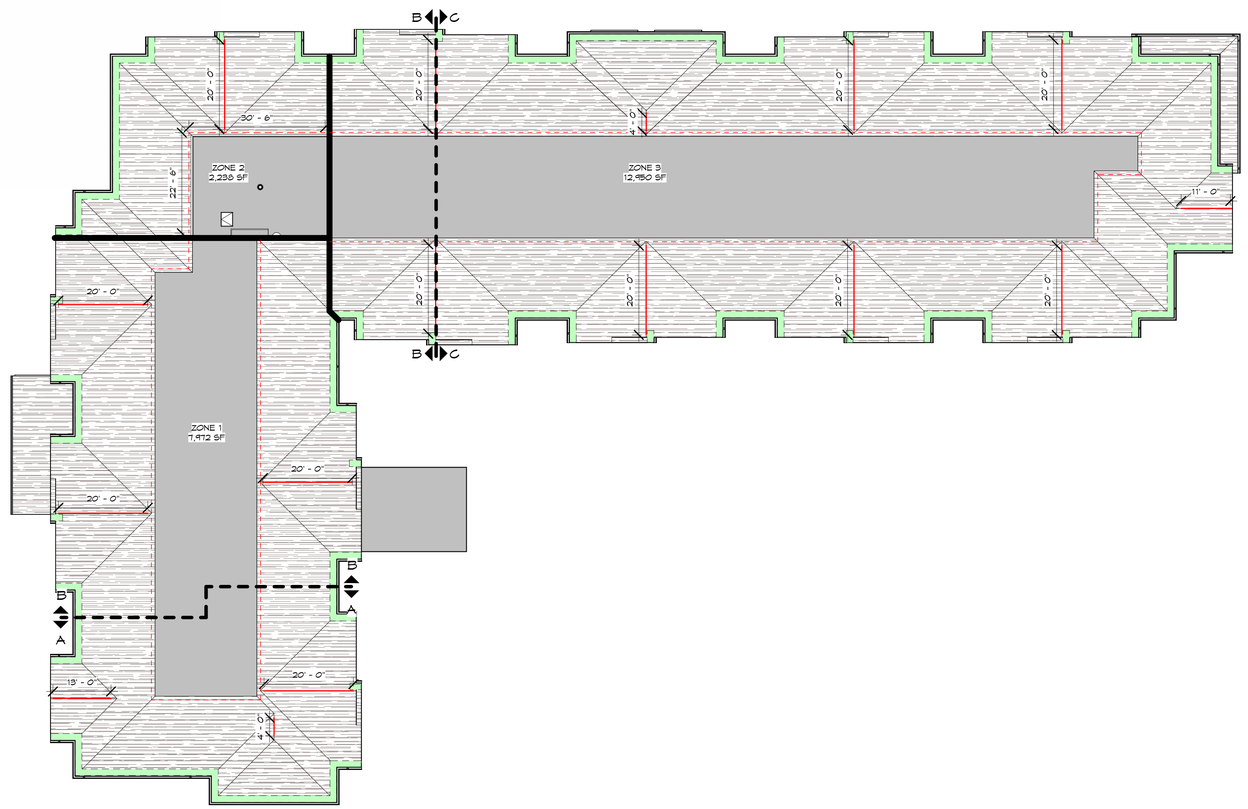
1. THE UNVENTED ATTIC SPACE IS COMPLETELY WITHIN THE BUILDING THERMAL ENVELOPE.
2. NO INTERIOR CLASS 1 VAPOR RETARDERS ARE INSTALLED ON THE CEILING SIDE OF THE UNVENTED ATTIC ASSEMBLY OR ENCLOSED ROOF FRAMING SYSTEM.
3. WHERE WOOD SHINGLES OR SHAKES ARE USED, A MINIMUM 1/4" (6.4 MM) VENTED AIRSPACE SEPARATES THE SHINGLES OR SHAKES AND THE ROOFING UNDERLAYMENT ABOVE THE STRUCTURAL SHEATHING.
4. IN CLIMATE ZONE 5, ANY AIR-IMPERMEABLE INSULATION SHALL BE A CLASS II VAPOR RETARDER OR SHALL HAVE A CLASS 11 VAPOR RETARDER COATING OR COVERING IN DIRECT CONTACT WITH THE UNDERSIDE OF THE INSULATION.
5. SUFFICIENT RIGID BOARD OR SHEET INSULATION SHALL BE INSTALLED DIRECTLY ABOVE THE STRUCTURAL ROOF SHEATHING TO MAINTAIN THE MONTHLY AVERAGE TEMPERATURE OF THE UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING ABOVE 45°F (7°C). FOR CALCULATION PURPOSES, AN INTERIOR AIR TEMPERATURE OF 68°F (20°C) IS ASSUMED AND THE EXTERIOR AIR TEMPERATURE IS ASSUMED TO BE THE MONTHLY AVERAGE OUTSIDE AIR TEMPERATURE OF THE THREE COLDEST MONTHS.

VENT LEGEND:

- SOFFIT VENT
- RIDGE VENT
- HALF RIDGE VENT
- SMART VENT

DRAFT STOPPING LEGEND:

- FIRE WALL
- DRAFT STOPPING LOCATION - PROVIDE OSB OR GYPSUM BOARD FULL-HEIGHT ON ONE SIDE OF TRUSS OR BLOCKING.



F2 OVERALL DRAFT STOPPING PLAN
1/16" = 1'-0"

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DRAFT STOPPING PLAN

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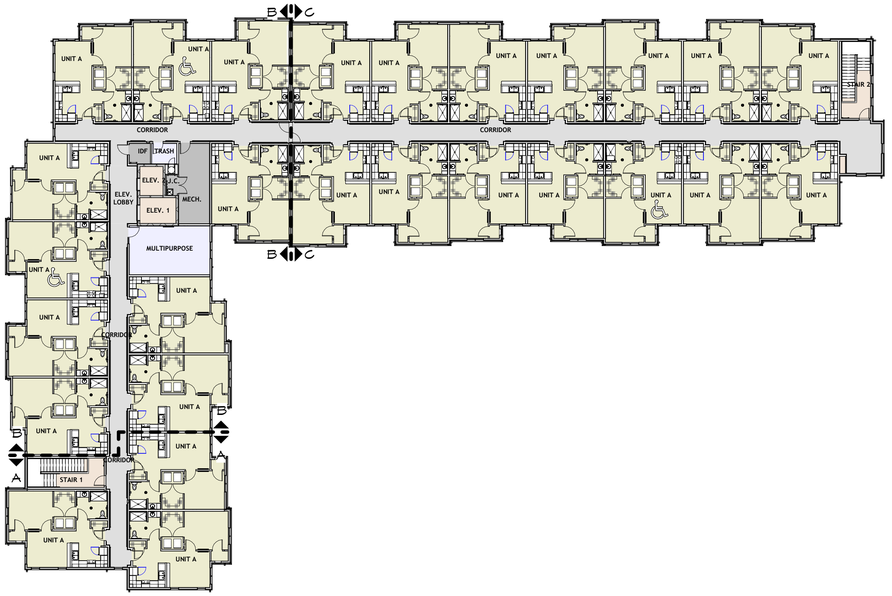


C5 OVERALL THIRD FLOOR PLAN

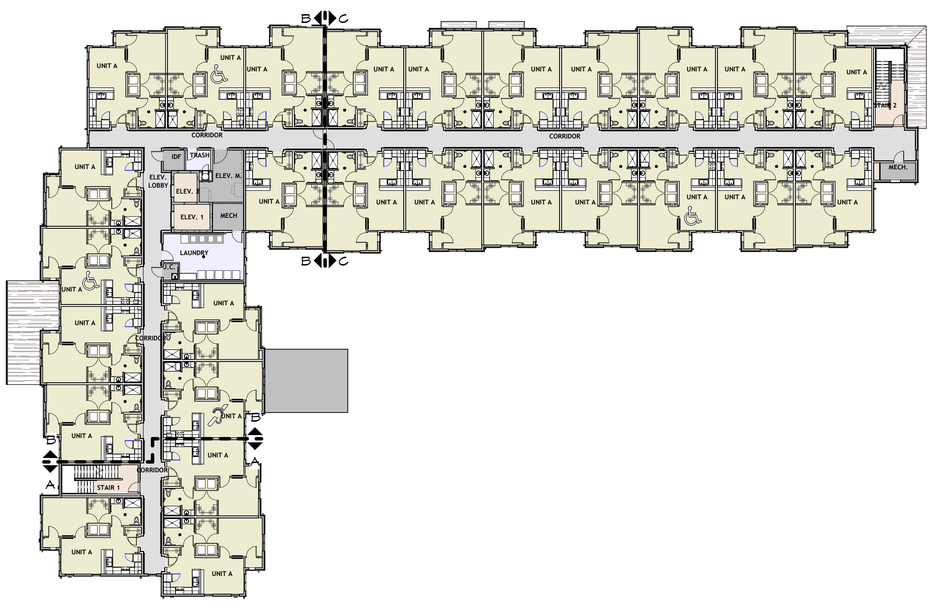
3/64" = 1'-0"

OHFA - AREA CALCS		
Level	OCCUPANCY	Area
FIRST FLOOR	COMMON AREA	2856 SF
FIRST FLOOR	COMMON CIRCULATION	2466 SF
FIRST FLOOR	LIVING UNIT	13504 SF
FIRST FLOOR	MECHANICAL	775 SF
FIRST FLOOR	SUPPORT	591 SF
FIRST FLOOR	VERTICAL PENETRATIONS	601 SF
SECOND FLOOR	COMMON AREA	374 SF
SECOND FLOOR	COMMON CIRCULATION	2520 SF
SECOND FLOOR	LIVING UNIT	17364 SF
SECOND FLOOR	MECHANICAL	403 SF
SECOND FLOOR	VERTICAL PENETRATIONS	29 SF
THIRD FLOOR	COMMON AREA	421 SF
THIRD FLOOR	COMMON CIRCULATION	2588 SF
THIRD FLOOR	LIVING UNIT	17364 SF
THIRD FLOOR	MECHANICAL	312 SF
		62681 SF

OVERALL FLOOR SQUARE FOOTAGES:	
FIRST FLOOR	= 21,299
SECOND FLOOR	= 20,691
THIRD FLOOR	= 20,691
TOTAL SQUARE FOOTAGE	= 62,681

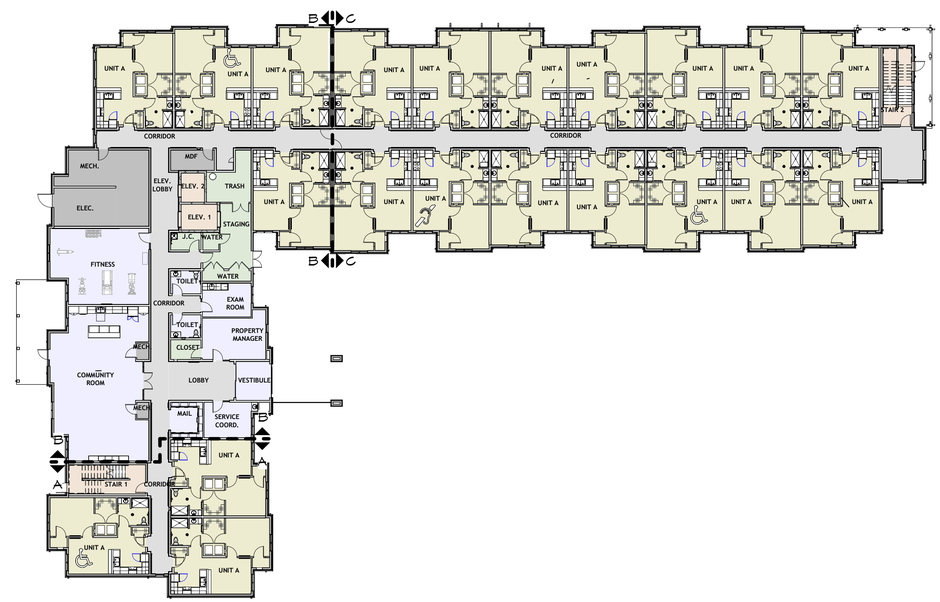
BUILDING AREA LEGEND

- COMMON AREA
- COMMON CIRCULATION
- LIVING UNIT
- MECHANICAL
- SUPPORT
- VERTICAL PENETRATIONS



F5 OVERALL SECOND FLOOR PLAN

3/64" = 1'-0"



F2 OVERALL FIRST FLOOR PLAN

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SQUARE FOOTAGE CALCS

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CITY OF DAYTON - NOTES (OCTOBER 2020)

SECTION 2.1 GENERAL NOTES:

1. ALL EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE REQUIRED TO FIELD LOCATE EXACT LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO SETTING GRADE AND ALIGNMENT. THE CITY OF DAYTON AND THE DEPARTMENT OF WATER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTH OF THE UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. ALL COST FOR LOCATING, REMOVING AND REPLACING OR RELOCATING THESE UTILITIES SHALL BE INCIDENTAL TO CONSTRUCTION. ALL UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE UTILITY OWNER'S SATISFACTION. THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY HAND DIGGING.
2. LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER AND THE DEPARTMENT OF WATER
4. ALL WORK SHALL CONFORM TO THE CITY OF DAYTON, CONSTRUCTION AND MATERIALS SPECIFICATIONS (LATEST EDITION)
5. NO CONSTRUCTION SHALL COMMENCE UNTIL CITY OF DAYTON PERMITS HAVE BEEN ISSUED AS REQUIRED.
6. ALL PROJECT ORDERS (FIELD OR OFFICE), REQUESTS, CHANGES, ADDITIONS OR DELETIONS PERTAINING TO PUBLIC WATER MAIN, STORM SEWER, AND SANITARY SEWER FACILITIES SHALL BE ONLY BY DIRECTION OR REQUEST OF THE DEPARTMENT OF WATER.
7. THE CONTRACTOR SHALL NOTIFY RESIDENTS AND BUSINESSES AFFECTED BY STREET CLOSURES A MINIMUM OF 48 HOURS IN ADVANCE OF THE ACTUAL STREET CLOSING.
8. ROADWAY RESTORATION WITHIN THE CITY OF DAYTON CORPORATION LIMITS SHALL BE DONE IN COMPLIANCE WITH THE DEPARTMENT OF PUBLIC WORKS "RULES AND REGULATIONS FOR MAKING OPENINGS IN A PUBLIC WAY" (LATEST EDITION).
9. FORTY-EIGHT HOURS PRIOR TO ANY CONSTRUCTION, EXCAVATION OR DIGGING, THE CONTRACTOR SHALL CALL AND NOTIFY THE OHIO UTILITIES PROTECTION SERVICES (OUPS) AT 1-800-362-2764. ALL OTHER AGENCIES, WHICH MIGHT HAVE UNDERGROUND UTILITIES IN THIS AREA AND ARE NOT MEMBERS OF OUPS, SHALL BE NOTIFIED DIRECTLY BY THE CONTRACTOR.
10. APPROVAL OF PLANS BY THE DEPARTMENT OF WATER DOES NOT RELIEVE THE DESIGNER, OWNER, OR PERSON IN CONTROL OF THE PROPERTY FROM LIABILITY FOR INJURY TO PERSONS OR PROPERTY.
11. APPROVAL OF THE PLANS SHALL BECOME VOID IF CONSTRUCTION HAS NOT COMMENCED WITHIN TWELVE (12) MONTHS FROM THE DATE APPROVED BY THE DEPARTMENT OF WATER. IN ADDITION, THE PLANS SHALL BECOME VOID IF CONSTRUCTION IS NOT COMPLETED WITHIN TWO (2) YEARS FROM THE DATE APPROVED BY THE DEPARTMENT OF WATER.
12. ALL FILLS (INCLUDING TRENCH BEDDING AND BACKFILL) INTENDED TO SUPPORT A WATER MAIN, SANITARY SEWER, STORM SEWER OR DRAINAGE CHANNEL SHALL BE COMPACTED TO NOT LESS THAN 90% MAXIMUM DENSITY (MODIFIED PROCTOR TEST ASTM D1557), UNLESS OTHERWISE NOTED. FIELD VERIFICATION AND FORMAL RESULT SUBMITTALS MAY BE REQUESTED (AS NECESSARY) BY THE DEPARTMENT OF WATER.
13. IN ADDITION TO THE NOTES ON THIS SHEET, CONTRACTOR'S ATTENTION SHALL BE DIRECTED TO THE NOTES ON THE ATTACHED SHEETS AS WELL.
14. COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED WATER LINE, SANITARY OR STORM SEWER LINES PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID LINES. ALL FILLS SHALL BE CONTROLLED, COMPACTED AND INSPECTED.
15. THE CONTRACTOR SHALL NEED TO CONTACT THE CITY OF DAYTON, DEPARTMENT OF WATER, CONSTRUCTION INSPECTION, 320 WEST MONUMENT AVE, DAYTON, OH 45402, AT 937-333-3725 PRIOR TO BEGINNING WATER SERVICE WORK.

SECTION 2.2 WATER DISTRIBUTION SYSTEM NOTES:

1. WATER MAINS, BENDS AND FITTINGS SHALL BE DUCTILE CAST IRON PIPE (COD ITEM 824) AND CONFORM TO ANSI A-21.51 (AWWA C151), CLASS 51 (UNLESS OTHERWISE NOTED).
2. THRUST BLOCKS ARE REQUIRED AT ALL FITTINGS.
3. THE LENGTH OF RESTRAINED JOINT REQUIREMENTS ARE INDICATED ON EACH PLAN AND PROFILE SHEET.
4. WELDING OF PIPE AND/OR APPURTENANCES IS NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE CITY OF DAYTON, DEPARTMENT OF WATER.
5. WATER MAINS SHALL HAVE A MINIMUM COVER OF 4 FEET, 6 INCHES. WATER MAINS SHALL HAVE A MINIMUM OF 10 FEET HORIZONTAL SEPARATION (OUT TO OUT) FROM ANY STORM OR SANITARY SEWER UNLESS OTHERWISE INDICATED.
6. WATER MAINS CROSSING ANY AND ALL SEWERS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN THE OUTSIDES OF THE PIPES (OUT TO OUT). ALSO, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SUCH THAT BOTH JOINTS WILL BE OF EQUAL DISTANT AND AS FAR FROM THE SEWER AS POSSIBLE. IF WATER MAIN CROSSES BELOW SANITARY SEWERS, THE SANITARY SEWER MUST BE WATER MAIN MATERIAL FOR THAT SPAN.
7. ONLY CITY OF DAYTON PERSONNEL SHALL OPERATE MAIN LINE WATER VALVES WITHIN THE DAYTON CORPORATION LIMITS.
8. ALL VALVE-OPERATING NUTS SHALL BE SET AT A MAXIMUM DEPTH OF 6 FEET. THE CONTRACTOR SHALL FURNISH AND INSTALL APPROVED EXTENSIONS AS REQUIRED.
9. THE CONTRACTOR SHALL BE ADVISED THAT ANY CLOSURE PIECES OR SLEEVES REQUIRED TO CONNECT SECTIONS OF THE CONCRETE MAIN LINE OR DUCTILE IRON CONNECTIONS, OTHER THAN THOSE SPECIFICALLY SHOWN ON THE CONSTRUCTION DRAWINGS, SHALL BE AT HIS EXPENSE.
10. ALL TAPS TO EXISTING WATER MAINS WILL BE MADE BY THE CITY OF DAYTON AT THE CONTRACTOR'S EXPENSE. ALL OTHER WORK INCLUDING EXCAVATION, BACKFILL, AND RESTORATION OVER THE TAPPED MAIN SHALL BE BY THE CITY OF DAYTON AT THE CONTRACTOR'S EXPENSE. CONTACT WATER ENGINEERING AT 937-333-3742.
11. SERVICE CONNECTIONS SHALL NOT BE MADE TO THE WATER MAIN UNTIL THE MAIN LINE HAS BEEN INSPECTED, TESTED, DISINFECTED AND RELEASED FOR TAPS. ALL WATER SERVICE CONNECTIONS SHALL BE A MINIMUM OF 1" DIAMETER AND A MINIMUM OF 5/8" WATER METER AND CONFORM TO THE CITY OF DAYTON STANDARDS FOR TAPS, SERVICES, METERS, AND BACKFLOW PREVENTION, (LATEST EDITION).
12. NO WATER SERVICE BRANCH SHALL BE LAID IN THE SAME TRENCH WITH A SANITARY SEWER LATERAL.
13. FIRE HYDRANTS SHALL BE LOCATED 3-FEET FROM THE FACE OF THE CURB OR EDGE OF THE PAVEMENT AND 4-INCH OPENING TO FACE THE STREET. FIRE HYDRANTS LOCATED WITHIN THE WALK MUST COMPLY WITH ADA REGULATIONS.
14. NO ADDITIONS, DELETIONS, OR REVISIONS TO THE WATER MAIN ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE DEPARTMENT OF WATER.
15. DEPARTMENT OF WATER PERSONNEL WILL INSPECT THE WATER MAIN INSTALLATION.
16. ALL WATER MAIN CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CITY OF DAYTON CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION) AND DEPARTMENT OF WATER ENGINEERING STANDARDS FOR WATER, SANITARY SEWER, AND STORM SEWER FACILITIES (LATEST EDITION).

SECTION 2.3 SANITARY COLLECTION SYSTEM NOTES:

1. SANITARY SEWER PIPE/FITTINGS SPECIFICATIONS [SEE CITY OF DAYTON, CONSTRUCTION AND MATERIALS SPECIFICATIONS, (LATEST EDITION)].
2. SANITARY SEWER JOINT SPECIFICATIONS [SEE CITY OF DAYTON, CONSTRUCTION AND MATERIALS SPECIFICATIONS, (LATEST EDITION)].
3. SANITARY SEWERS SHALL CONFORM TO THE FOLLOWING APPLICABLE ASTM TESTING STANDARDS;

ITEM	LEAKAGE TEST	DEFLECTION TEST
PVC-CORRUGATED	D3212	D2321
PVC-SDR 35	F1417	D2321
PVC-COMPOSITE	F1417	N/A
VITRIFIED	C828	N/A
REINFORCED CONCRETE	C924	N/A
CONCRETE MANHOLES	C1244	N/A

4. THE EXFILTRATION OR INFILTRATION LEAKAGE TEST SHALL NOT EXCEED 50 GALLONS/INCH/MILE/DAY FOR ANY SECTION OF THE SYSTEM.
5. SANITARY MANHOLES SHALL BE EQUAL TO ASTM C-478, CITY OF DAYTON TYPE "A" MANHOLE.
6. FOR SANITARY MANHOLES, JOINTS BETWEEN PRECAST SECTIONS SHALL CONFORM TO ASTM C-443, "JOINTS FOR CIRCULAR CONCRETE SEWER AND CULVERT PIPES."
7. WHERE PRECAST BASES ARE USED FOR SANITARY MANHOLES, PIPE CONNECTIONS SHALL CONFORM TO ASTM C-923, "RESILIENT CONNECTIONS FOR REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPES."
8. CHANNEL BOTTOMS OF ALL MANHOLES.
9. ALL CONNECTIONS TO EXISTING SANITARY MANHOLES SHALL BE MADE USING A DIAMOND CORE DRILL AND THE JOINT SEALED WITH "DURA SEAL" RUBBER GASKET OR APPROVED EQUAL.
10. SANITARY WYE CONNECTIONS SHALL BE FACTORY FABRICATED.
11. ROOF DRAINS; FOUNDATION DRAINS OR OTHER "CLEAN WATER" CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
12. WITHIN THE PUBLIC RIGHT-OF-WAY, ALL LATERALS TO EXISTING SANITARY SEWERS WILL BE INSTALLED BY THE CITY OF DAYTON AT THE CONTRACTOR'S EXPENSE. THIS WORK WILL INCLUDE FURNISHING AND INSTALLING THE FITTINGS AND MAKING THE CONNECTION. ALL WORK INCLUDING EXCAVATION, BACKFILL, AND RESTORATION SHALL BE BY THE CITY OF DAYTON AT THE CONTRACTOR'S EXPENSE. CONTACT WATER ENGINEERING AT 937-333-3742.
13. NO ADDITIONS, DELETIONS, OR REVISIONS TO THE SANITARY SEWER ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE DEPARTMENT OF WATER.
14. DEPARTMENT OF WATER PERSONNEL WILL INSPECT THE SANITARY SEWER INSTALLATION.
15. ALL SANITARY LATERALS REQUIRE INSPECTION AND A PERMIT FROM THE CITY OF DAYTON DIVISION OF BUILDING INSPECTION.
16. ALL SANITARY SEWER CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CITY OF DAYTON CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION) AND DEPARTMENT OF WATER ENGINEERING STANDARDS FOR WATER, SANITARY SEWER, AND STORM SEWER FACILITIES (LATEST EDITION).

SECTION 2.4 STORM WATER COLLECTION SYSTEM NOTES:

1. ALL STORM SEWERS AND CATCH BASIN LATERALS SHALL BE REINFORCED CONCRETE ASTM SPECIFICATION NUMBER C-76 CLASS 4 (UNLESS OTHERWISE NOTED)
2. STORM MANHOLES SHALL BE EQUAL TO ASTM C-478, CITY OF DAYTON TYPE "A" MANHOLE.
3. CHANNEL BOTTOMS OF ALL MANHOLES.
4. ALL CONNECTIONS TO EXISTING STORM SEWER MANHOLES SHALL BE MADE USING A DIAMOND CORE DRILL.
5. ALL CURB INLETS TO BE CITY OF DAYTON TYPE "3" OR "3A" WITH "V" TYPE GRATES (UNLESS OTHERWISE NOTED).
6. ALL FIELD TILE ENCOUNTERED SHALL BE REPLACED OR CONNECTED TO THE STORM SEWER SYSTEM WITH APPROVAL FROM THE CITY OF DAYTON, DEPARTMENT OF WATER.
7. NO ADDITIONS, DELETIONS, OR REVISIONS TO THE STORM SEWER SYSTEM ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE DEPARTMENT OF WATER.
8. DEPARTMENT OF WATER PERSONNEL WILL INSPECT THE STORM SEWER INSTALLATION WITHIN THE PUBLIC RIGHT-OF-WAY OR IN AN EASEMENT. THE DIVISION OF BUILDING SERVICES WILL INSPECT ALL PRIVATE STORM SEWER INSTALLATIONS.
9. ALL STORM SEWER CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CITY OF DAYTON CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION) AND DEPARTMENT OF WATER ENGINEERING STANDARDS FOR WATER, SANITARY SEWER, AND STORM SEWER FACILITIES (LATEST EDITION).

SECTION 2.5 EROSION CONTROL NOTES:

1. FORTY EIGHT HOURS PRIOR TO ANY EARTH DISTURBING WORK, THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF WATER AT (937) 333-3739 (CHIEF ENGINEER OF FIELD BUREAU).
2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES SHALL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORT OF SILT OFF THE SITE. ALL RUNOFF RESULTING FROM CONSTRUCTION OPERATIONS MUST BE FILTERED BY APPROVED METHODS PRIOR TO DISCHARGING TO THE STORM SEWER SYSTEM.
3. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED ONCE A WEEK AND AFTER EVERY 1/2" OF RAIN. RECORDS OF SUCH INSPECTIONS SHALL BE KEPT AT THE JOB SITE AND BE AVAILABLE FOR IMMEDIATE REVIEW UPON REQUEST
4. IN ADDITION TO ANY TEMPORARY EROSION, SEDIMENT, AND DEBRIS CONTROL DETAILS AND NOTES SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS, EARTH DIKES, TEMPORARY OR PERMANENT SEEDING, MULCHING.AND/OR MULCH NETTING OR ANY OTHER GENERALLY ACCEPTED METHODS TO PREVENT EROSION, MUD AND DEBRIS FROM BEING DEPOSITED ON OTHER PROPERTY, ON NEWLY CONSTRUCTED OR EXISTING ROADS, OR INTO EXISTING SEWERS OR NEW SEWERS WITHIN THE DEVELOPMENT.
5. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO BE FINAL GRADE AND ARE TO REMAIN SO SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL. DISTURBED AREAS THAT LIE DORMANT FOR 21 DAYS OR MORE SHALL BE SEEDED OR PROTECTED WITHIN 7 CALENDAR DAYS OF THE DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.
6. UNTIL IMPROVEMENTS IN THE DEVELOPMENT HAVE BEEN COMPLETED, THE CONTRACTOR SHALL TAKE SUCH MEASURES AS ARE NECESSARY TO PREVENT EROSION OF GRADED SURFACES ONTO ROADWAYS, INTO DRAINAGE COURSES, STORM SEWERS, OR ONTO ADJOINING LAND. FOR ANY EARTH DISTURBANCE OR ANY DEVELOPMENT APPROVED BY THE DEPARTMENT OF WATER, THE CONTRACTOR SHALL CLEAN ANY MUD OR DEBRIS DEPOSITED ON ROADWAYS, DRAINAGE COURSES, OR ADJOINING PROPERTY WHEN THE MUD AND DEBRIS ORIGINATES FROM THE EARTH MOVING OPERATIONS.
7. ALL MUD/DIRT TRACKED ONTO ROADS FROM THE SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY (WITHIN 24 HOURS) REMOVED.
8. FOR DEVELOPMENT SITES, EROSION CONTROL MEASURES SHALL BE ENFORCED ON INDIVIDUAL OR RESIDENTIAL LOTS. THIS SHALL INCLUDE A CONSTRUCTION ENTRANCE (REFER TO DETAIL-ER-8) AND SILT FENCE ACROSS THE FRONTAGE OF EACH PROPERTY AND A TEMPORARY DIVERSION DITCH ON EACH LOT.
9. THIS PROJECT IS SUBJECT TO INSPECTION BY THE DEPARTMENT OF WATER PERSONNEL FOR COMPLIANCE WITH THE CITY'S STORM WATER ORDINANCE DURING AND AFTER CONSTRUCTION. THIS INCLUDES BUT IS NOT LIMITED TO INSPECTION OF EROSION CONTROL FACILITIES, SURFACE DRAINAGE, AND RETENTION/DETENTION FACILITIES. ADDITIONAL MEASURES MAY BE REQUIRED IF VIOLATIONS OF THE ORDINANCE OCCUR AND WATER DEPARTMENT PERSONNEL DEEM IT NECESSARY. ALL MEASURES SHALL COMPLY WITH CITY OF DAYTON STANDARDS AND "RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARD FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION", (LATEST EDITION).

PRIVATE DEVELOPMENT NOTES

GENERAL NOTES

1. THE CITY OF DAYTON, AND THE CURRENT EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (ODOT CMS), INCLUDING ALL SUPPLEMENTS, SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THIS PLAN. IGNORE REFERENCES TO MEASUREMENT AND PAYMENT IN THE ODOT CMS UNLESS NOTED OTHERWISE. IN THE CASE OF CONFLICTS BETWEEN THE ODOT CMS AND CITY OF DAYTON REQUIREMENTS, THE CITY OF DAYTON REQUIREMENTS SHALL PREVAIL.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (8-1-1 OR 1-800-362-2764) 48 HOURS (EXCLUDING WEEKENDS AND HOLIDAYS) PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES WHO ARE NON-MEMBERS OF THE OHIO UTILITIES PROTECTION SERVICE AT LEAST 48 HOURS (EXCLUDING WEEKENDS AND HOLIDAYS) PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.
3. CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
4. THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE OHIO EPA FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNERS REPRESENTATIVE WITH WRITTEN REPORTS.
5. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND FULLY INFORM THEMSELVES CONCERNING ALL CONDITIONS AFFECTING THE SCOPE OF THE WORK. FAILURE TO VISIT THE SITE SHALL NOT RELIEVE THEM FROM ANY RESPONSIBILITY IN THE PERFORMANCE OF THE CONTRACT.
6. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR EXPENSES INCURRED DUE TO SOIL CONDITIONS, GROUNDWATER, AND/OR ROCK EXCAVATION, ALL OF THESE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
7. THE COST OF ALL DEWATERING REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
8. THE DIRECT OR INDIRECT DISCHARGE OR PUMPING OF UNFILTERED SEDIMENT-LADEN WATER INTO THE STORM DRAINAGE SYSTEM OR WATERCOURSE IS ILLEGAL AND PROHIBITED.
9. ANY WELL, WELL POINT, PIT, OR OTHER DEVICE INSTALLED FOR THE PURPOSE OF LOWERING THE GROUND WATER TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 3745-9-10 OF THE OHIO ADMINISTRATIVE CODE OR IN ACCORDANCE WITH THE PROVISIONS OF THIS PLAN AS DIRECTED BY THE DIRECTOR OF PUBLIC UTILITIES OR HIS REPRESENTATIVE.
10. ANY CONTRACTOR INSTALLING ANY WELL, WELL POINT, PIT, OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUND WATER FROM AN AQUIFER SHALL COMPLETE AND FILE A WELL LOG AND DRILLING REPORT FORM WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR), DIVISION OF WATER, WITHIN 30 DAYS OF THE WELL COMPLETION IN ACCORDANCE WITH THE OHIO REVISED CODE SECTION 1521.01 AND 1521.05 IN ADDITION, ANY SUCH FACILITY IS COMPLETED IN ACCORDANCE WITH SECTION 1521.16 OF THE OHIO REVISED CODE. FOR COPIES OF THE NECESSARY WELL LOG, DRILLING REPORT, OR REGISTRATION FORMS, PLEASE CONTACT: OHIO DEPARTMENT OF NATURAL RESOURCES, 2045 MORSE ROAD, COLUMBUS, OHIO 43229, 614-265-6576.
11. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO THE ODNR FOR THE REGISTRY, MAINTENANCE AND ABANDONMENT OF ANY WITHDRAWAL DEVICE USED IN CONSTRUCTION OF THIS PROJECT.
12. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR FACE OF CURB, UNLESS OTHERWISE NOTED.
13. ALL SITE SIGNAGE, STRIPING COLOR AND WIDTH SHALL BE PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
14. ALL EXISTING PAVEMENTS, WALKS, CURBS, ETC. SHALL BE FULL DEPTH SAWCUT BEFORE REMOVAL. IF, DURING CONSTRUCTION, THE PAVEMENT, WALKWAY, CURB, ETC. IS DAMAGED BEYOND THE ORIGINAL SAWCUT, THE DAMAGED AREA SHALL BE RECUT TO NEAT LINES AS DIRECTED BY THE ENGINEER. PAYMENT FOR SAWCUTTING SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
15. THE CONTRACTOR SHALL FULL DEPTH SAWCUT EXISTING PAVEMENT TO PROVIDE A SMOOTH VERTICAL FULL DEPTH BUTT JOINT BETWEEN THE EXISTING PAVEMENT OR CURB AND THE PROPOSED PAVEMENT. CONTRACTOR SHALL LOCATE SOUND PAVEMENT EDGE AND CUT AND TRIM PAVEMENT TO A NEAT LINE. INCLUDE THE COST OF PAVEMENT REMOVAL AND DISPOSAL IN THE PRICE BID FOR THE PROJECT.

GRADING NOTES

1. CONTRACTOR TO REMOVE TREES AND CLEAR AREAS AS NECESSARY TO PERFORM ALL SITE WORK INCLUDING GRADING AND UTILITY WORK.
2. PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
3. ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
4. SITE BUILDING PAD EXCAVATION AND CONSTRUCTION TO BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. BUILDING PAD PREPARATION SHALL BEGIN BY CLEARING & STRIPPING UNSUITABLE MATERIAL FROM PAD SITE. THEN PLACE & COMPACT BACKFILL MATERIAL AT GEOTECHNICAL ENGINEER'S AND ARCHITECT'S RECOMMENDATIONS. ALL BACKFILL MATERIAL MUST BE ACCEPTABLE TO THE GEOTECHNICAL ENGINEER.
5. ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR BURY/BORROW PITS AS NEEDED TO BALANCE THE SITE. GEOTECH AND ENGINEER MUST APPROVE AREAS PRIOR TO BURY/BORROW OPERATIONS. AS-BUILT OF BURY/BORROW PIT WILL BE REQUIRED AT COMPLETION OF CONTRACTOR WORK AND MUST BE SUBMITTED TO THE CONSTRUCTION MANAGER.
7. CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES REQUIRED BY CITY OF DAYTON AND THE OHIO EPA.
8. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IF NO SPECIFICATIONS ARE SUPPLIED, USE ODOT ITEM 659.
9. CONTRACTOR TO LAYOUT BUILDING BASED ON ARCHITECTURAL/FOUNDATION PLANS. SITE PLAN IS FOR CONCEPTUAL PURPOSES ONLY.

UTILITY NOTES

1. ALL DRAIN TILE AND STORM SEWERS DAMAGED, DISTURBED OR REMOVED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER, MAINTAINING THE SAME GRADIENT AS EXISTING. THE DRAIN TILE AND/OR STORM SEWER SHALL BE CONNECTED TO THE CURB SUBDRAIN, STORM SEWER SYSTEM OR OUTLETTED INTO THE ROADWAY DITCH AS APPLICABLE. REPLACED DRAIN TILE/STORM SEWER SHALL BE LAID ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING STRATUM. REPLACEMENT SHALL BE DONE AT THE TIME OF THE BACKFILL OPERATION. COST OF THIS WORK TO BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
2. ALL EXISTING UTILITIES KNOWN TO EXIST HAVE BEEN SHOWN ON THESE PLANS IN THEIR APPROXIMATE LOCATION. PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS, THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF THE UTILITIES SHOWN. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROTECTION AND/OR RELOCATION OF ANY UTILITIES THAT MAY EXIST AND ARE NOT SHOWN.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR PROTECTION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY.
4. UTILITY POLES WITHIN INFLUENCE OF THE UTILITY OPERATIONS SHALL BE REINFORCED BY THE UTILITY COMPANY PRIOR TO THESE CONSTRUCTION ACTIVITIES. NOTIFICATION OF THE UTILITY COMPANY PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY.
6. CONTRACTOR TO REPLACE ANY PAVEMENT OR UTILITIES DAMAGED WHICH ARE NOT SPECIFIED TO BE REMOVED ON THESE PLANS.
7. ALL CATCH BASINS PLACED WITHIN THE PAVEMENT SHALL HAVE HEAVY DUTY FRAMES AND GRATES. CATCH BASINS WITHIN AN ACCESSIBLE ROUTE SHALL CONFORM TO ADA REQUIREMENTS.
8. ADJUST ALL EXISTING CASTINGS AND CLEANOUTS WITHIN PROJECT AREA TO GRADE AS REQUIRED.
9. ALL CATCH BASINS WITH DEPTH GREATER THAN 6' SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 611.
10. ALL STORM AND SANITARY SEWER MANHOLES WITH A DEPTH GREATER THAN 6' SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 611.
11. DISTANCES SHOWN FOR BOTH SANITARY AND STORM SEWER PIPES ARE MEASURED FROM CENTER OF STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR STORM AND SANITARY STRUCTURES ARE SHOWN TO THE CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
12. IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS, THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE, RIP RAP, ROCK CHANNEL PROTECTION, SODDING, POURING BOTTOMS, MUDDING LIFT HOLES, ETC.
13. ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE TO BE PRIVATE AND MAINTAINED BY THE OWNER. EROSION CONTROL MEASURES MUST PROVIDE PROTECTION UNTIL COMPLETION OF THE PROJECT AND VEGETATIVE STABILIZATION.
14. THE CONTRACTOR IS TO CONSTRUCT CURBS, CATCH BASINS, DOWNSPOUTS, PIPING AND CONNECTIONS ETC. AS REQUIRED TO CONVEY THE ROOF AND PAVED SURFACE DRAINAGE TO THE DETENTION BASIN.
15. ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAR WATER CONNECTIONS TO THE SANITARY SEWER SYSTEMS ARE PROHIBITED.
16. SITE CONTRACTOR SHALL PICK UP ALL UTILITIES, WITH THE EXCEPTION OF DOWNSPOUTS, 5' OUTSIDE BUILDING WALL. COORDINATE WITH CONSTRUCTION MANAGER.
17. ALL STORM STRUCTURES ARE ODOT TYPES UNLESS OTHERWISE INDICATED.
18. STORM SEWER PIPE LABELED "STM" SHALL BE ONE OF THE FOLLOWING: PVC SDR-35 PER ODOT ITEM 707.45, PVC PROFILE PIPE PER ODOT ITEM 707.43, HIGH DENSITY POLYETHYLENE PER ODOT ITEM 707.33, ALUMINIZED CORRUGATED METAL, ODOT ITEM 707.01, 707.02, OR REINFORCED CONCRETE PIPE, ODOT ITEM 706.02 CLASS IV. STORM SEWER PIPE LABELED "RCP" SHALL BE REINFORCED CONCRETE PIPE, ODOT ITEM 706.02 CLASS IV. ALL STORM IS TO BE INSTALLED PER ODOT ITEM 611. ALL STORM PIPE USED MUST HAVE A MANUFACTURER SPECIFIED FRICTION FACTOR OF 0.013 (N=0.013) OR LESS.
19. ALL CATCH BASINS IN THE PAVEMENT ARE TO HAVE 4, 4" PERFORATED UNDERDRAINS EXTENDING 10 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED. ALL CATCH BASINS IN THE CURB ARE TO HAVE 2, 4" PERFORATED UNDERDRAINS EXTENDING 10 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED.
20. FOR EXACT LOCATION OF DOWN SPOUTS & ROOF DRAINS, COORDINATE WITH CONSTRUCTION MANAGER. ALL ROOF DRAINS ARE TO BE 8" UNLESS OTHERWISE NOTED.
21. ALL YARD DRAINS SHALL BE ONE OF THE FOLLOWING: NYLOPLAST-ADS DRAIN BASIN, NDS DURACAST FABRICATED PVC CATCH BASIN, AGRI-DRAIN CATCH BASIN, OR APPROVED EQUAL.
22. ALL EXISTING INVERTS ALONG PROPOSED PIPE ALIGNMENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF THE SEWER.
23. ANY FIELD TILE CUT IN EXCAVATION WHICH DRAINS IN AN OFFSITE AREA MUST BE TIED INTO THE STORM DRAINAGE SYSTEM.
24. THE FLOW IN ALL SEWERS, DRAINS, FIELD TILES AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN EXPENSE TO A CONDITION SATISFACTORY TO THE ENGINEER.

STANDARD DRAWINGS
STANDARD DRAWINGS LISTED BELOW ARE TO BE CURRENT DRAWINGS AT THE TIME OF PLAN APPROVAL AND SHALL BE CONSIDERED A PART OF THESE DRAWINGS. PLEASE REFER TO SHEETS C102 TO C105 FOR FURTHER INFORMATION

CITY OF DAYTON STANDARD DRAWINGS

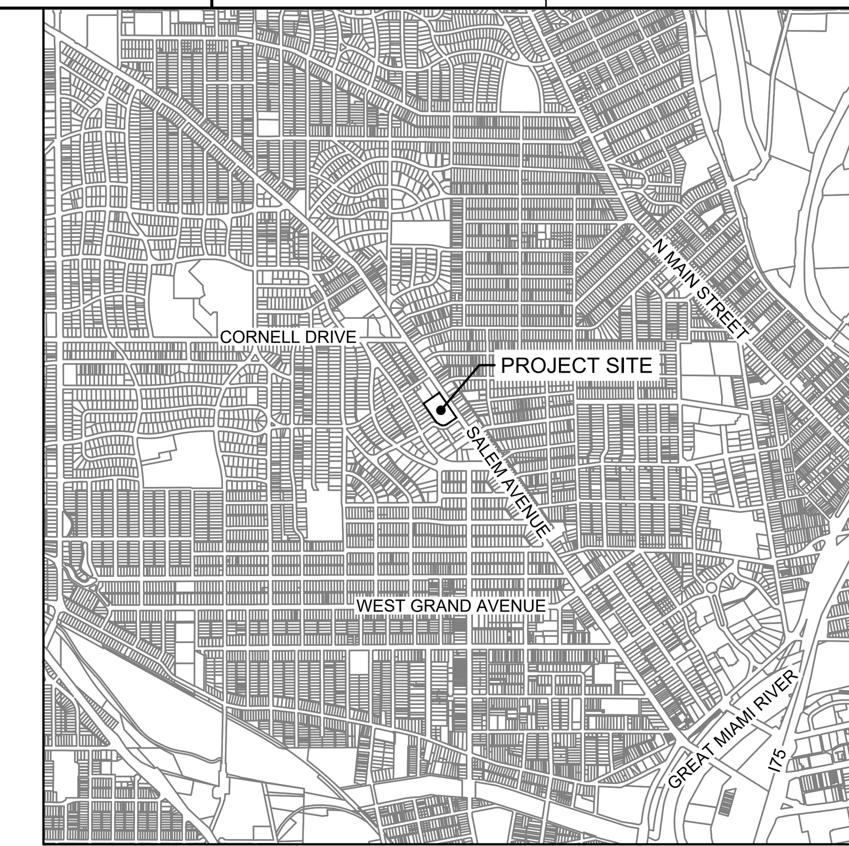
DRAWING NUMBER	DESCRIPTION
ER-3	SILT FENCE
ER-4	INLET PROTECTION - CURB
ER-8	CONSTRUCTION ENTRANCE
ER-10	PERMANENT SEEDING
ER-11	TEMPORARY SEEDING
G-1	PIPE TRENCH AND BEDDING
G-3	MANHOLE "TYPE A"
G-9	PIPE PLUG (STORM AND SANITARY)
BMP-10	BIORETENTION
SA-2	SANITARY LATERAL RISER
ST-2	CATCH BASIN NO 2-3 & 2-4
WA-1	THRUST BLOCKING FOR WATER MAIN TEES
WA-2	THRUST BLOCKING FOR BENDS ON WATER MAINS
WA-3	THRUST BLOCKING FOR OVER VERTICAL BENDS (ONLY)
WA-4	RESTRAINED JOINT LENGTHS FOR WATER MAINS
WA-5	FIRE HYDRANT
WA-6	WATER MAIN CUT AND PLUG
10-45	CONCRETE SIDEWALK, MEDIAN AND ISLAND
18-45	CURB REPAIR - EXISTING ASPHALT SURFACE STREET

REFERENCE DOCUMENTS
THE DEVELOPER SHALL MAKE AVAILABLE TO THE CONTRACTOR ALL NECESSARY REFERENCE INFORMATION PERTINENT TO THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THESE DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO:

1. BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BY THE KLEINGERS GROUP, DATED 7/28/2023

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	QTY	UNIT
	ROADWAY		
201	CLEARING AND GRUBBING, AS PER PLAN	1	LUMP
202	REMOVAL OF STRUCTURES AND OBSTRUCTIONS, AS PER PLAN	1	LUMP
203	EXCAVATION	7,121	CU YD
203	EMBANKMENT	2,160	CU YD
204	SUBGRADE COMPACTION	2,847	SQ YD
659	TOPSOIL	0	CY
659	SEEDING AND MULCHING	4,792	SQ YD
	EROSION CONTROL		
832	SILT FENCE	900	FT
832	INLET PROTECTION	6	EACH
832	CONSTRUCTION ENTRANCE	1	EACH
832	CONCRETE WASHOUT	1	EACH
	PAVEMENT		
252	FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT	6.2	SQ YD
304	6" AGGREGATE BASE	28	CU YD
304	8" AGGREGATE BASE	596	CU YD
407	TACK COAT	134	GAL
441	1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448)	112	CU YD
441	2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448)	63	CU YD
441	4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448)	171	CU YD
452	NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT	37.1	CU YD
608	4" CONCRETE WALK	6,353	SQ FT
609	BARRIER CURB	612	FT
609	FLUSH CURB	74	FT
	DRAINAGE		
611	MANHOLE TYPE A	2	EACH
611	CITY OF DAYTON CATCH BASIN NO. 3A	1	EACH
611	CITY OF DAYTON CATCH BASIN NO. 2-3	3	EACH
611	ODOT CATCH BASIN NO. 2-3	1	EACH
611	6" UNDERDRAIN	238	FT
611	8" STORM	490	FT
611	12" STORM	820	FT
611	15" STORM	67	FT
611	CLEANOUT	12	EACH
611	8" YARD DRAIN	6	EACH
	UTILITIES		
611	8" SEWER	85	FT
611	CLEANOUT	1	EACH
638	12"X6" TAPPING SLEEVE, VALVE AND BOX	1	EACH
638	DATALINK	148	FT
638	4" SERVICE BRANCH	73	FT
638	4" GATE VALVE AND BOX	1	EACH
638	FIRE HYDRANT	1	EACH
638	FIRE DEPARTMENT CONNECTION	1	EACH
638	POST INDICATOR VALVE	1	EACH
638	2" GAS SERVICE CONNECTION	1	EACH
638	2" GAS SERVICE BRANCH	70	FT
	TRAFFIC CONTROL		
630	SIGN, FLAT SHEET	16.3	SQ FT
	MISCELLANEOUS		
SPEC	TURF REINFORCEMENT MAT	60	SQ YD
SPEC	WHEELSTOP	5	EACH
SPEC	BIORETENTION	1	EACH
614	MAINTENANCE OF TRAFFIC, AS PER PLAN	1	LUMP
623	CONSTRUCTION LAYOUT STAKES & SURVEYING	1	LUMP
624	MOBILIZATION	1	LUMP



LOCATION MAP
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N

PROPERTY OWNER:
NATIONAL CHURCH RESIDENCES
2245 N BANK DRIVE
COLUMBUS, OH 43220
CONTACT: SARAJANE STEFFES
PHONE: 614-332-1714
EMAIL: SSTEFFES@NATIONALCHURCHRESIDENCES.ORG

APPLICANT:
pH7 ARCHITECTS
448 W. NATIONWIDE BLVD. LOFT 100
COLUMBUS, OHIO 43215
CONTACT: IAN ANDERSON
PHONE: 614-459-2955 X122
EMAIL: IANDERSEN@PH7ARCHITECTS.COM

ENGINEER/SURVEYOR:
THE KLEINGERS GROUP
350 WORTHINGTON ROAD, SUITE H
WESTERVILLE, OH 43082
CONTACT: MIKE COUVREUR
PHONE: 614-882-4311 X2214
EMAIL: MIKE.COUVREUR@KLEINGERS.COM

SHEET INDEX

C100	GENERAL NOTES
C101	DETAILS
C102	STANDARD DETAILS (1)
C103	STANDARD DETAILS (2)
C104	STANDARD DETAILS (3)
C105	STANDARD DETAILS (4)
C106	DEMOLITION PLAN
C107	LOCATION PLAN
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C109	PROFILES
C110	GRADING AND EROSION CONTROL PLAN
C111	EROSION CONTROL NOTES
C112	EROSION CONTROL DETAILS

NOTE ON INSPECTIONS:
CONTRACTOR SHALL CONTACT THE CITY OF DAYTON, DEPARTMENT OF WATER, CONSTRUCTION INSPECTION, 320 WEST MONUMENT AVENUE, DAYTON, OHIO 45402, AT (937)-333-3725 PRIOR TO BEGINNING WORK.

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448 W. Nationwide Blvd
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SALEM AVENUE SENIOR COMMUNITY
1038 Salem Avenue Dayton, Ohio 45406

NATIONAL CHURCH RESIDENCES
5475 Rings Road, Suite 300
Dublin, Ohio 43017

NO.	DATE	REVISION

JOB NO. : 2025-21
TKG NO. 210508.004
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 01/14/2026

GENERAL NOTES

C100

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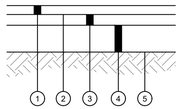
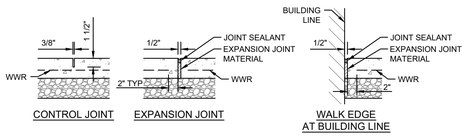
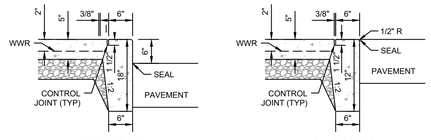


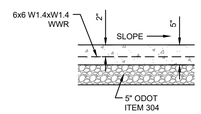
1. 1 1/2" ODOT ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22
2. ODOT ITEM 407 TACK COAT, APPLY IF TIME BETWEEN ASPHALT LIFTS EXCEEDS 30 DAYS
3. 2" ODOT ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG64-22
4. 8" ODOT ITEM 304 AGGREGATE BASE
5. SUBGRADE COMPACTION, REFERENCE ODOT ITEM 204, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

1 / C-101 STANDARD DUTY ASPHALT PAVEMENT DETAIL

N.T.S.







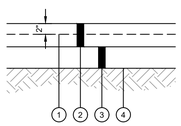
WALK TYPICAL SECTION

NOTES:

1. INSTALL EXPANSION JOINTS AT 30' OC MAXIMUM AND WHERE SLAB ABUTS STRUCTURES. WHERE NEW WALK ABUTS ADJOINING WALK, SAWCUT EXISTING WALK TO NEAREST JOINT AND INSTALL EXPANSION JOINT. EXPANSION JOINTS SHALL BE 1/2" WIDE BY DEPTH OF SLAB. SEAL ALL EXPANSION JOINTS.
2. INSTALL CONTROL JOINTS AT 6' OC MAXIMUM. CONTROL JOINTS SHALL BE 3/8" WIDE BY 1 1/2" DEEP AND TOOLED, SAWED JOINTS ARE NOT PERMITTED.
3. WALK SHALL HAVE A MINIMUM CROSS SLOPE OF 1.00%, MAXIMUM CROSS SLOPE OF 2.00%.
4. WATER AND UTILITY BOXES IN THE WALK AREA SHALL BE ADJUSTED FLUSH WITH THE FINAL SURFACE.
5. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DETAIL AT ALL BUILDING DOORS.
6. JOINTING PLANS MUST BE SUBMITTED FOR APPROVAL.

2 / C-101 EXTERIOR CONCRETE SLAB WALK WITH INTEGRAL CURB DETAIL

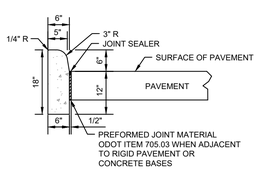
N.T.S.



1. 6X6 W4XW4 WELDED WIRE REINFORCEMENT
2. 8" ODOT ITEM 452 NONREINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
3. 6" ODOT ITEM 304 AGGREGATE BASE
4. SUBGRADE COMPACTION, REFERENCE ODOT ITEM 204, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

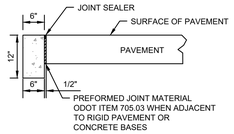
3 / C-101 HEAVY DUTY CONCRETE PAVEMENT DETAIL

N.T.S.



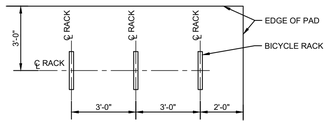
4 / C-101 BARRIER CURB DETAIL

N.T.S.

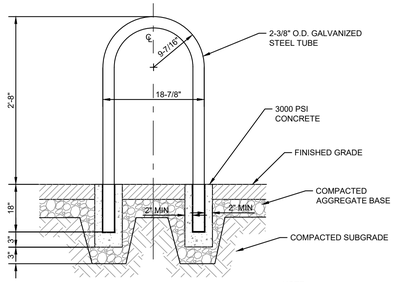


5 / C-101 FLUSH CURB DETAIL

N.T.S.



PLAN



SECTION

NOTE:
TYPICAL OF 3 BICYCLE RACKS.

6 / C-101 PERMANENT BIKE RACK DETAIL

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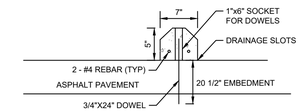
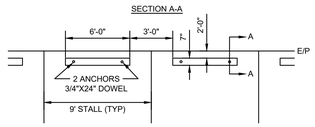


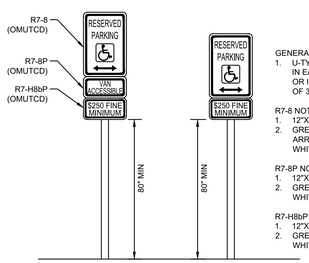
SECTION A-A



PLAN VIEW

7 / C-101 PRECAST CONCRETE WHEEL STOP DETAIL

N.T.S.



GENERAL NOTES:
1. U-TYPE FLANGED STEEL SIGN POST SET IN EARTH IF OUTSIDE PAVEMENT EDGE, OR IN CONCRETE TO A MINIMUM DEPTH OF 3'-0" IF WITHIN PAVEMENT.

R7-8 NOTES:
1. 12"X18"X16 GA. STEEL SIGN
2. GREEN LETTERING, BORDER, AND ARROW WITH WHITE BACKGROUND. WHITE HANDICAP SYMBOL IN BLUE BOX.

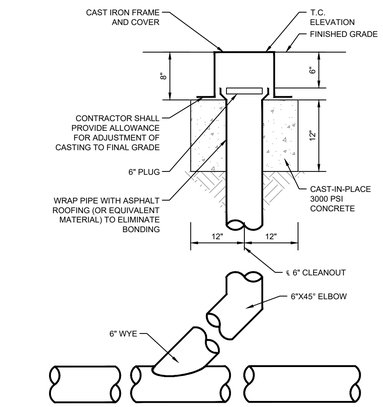
R7-8P NOTES:
1. 12"X6"X16 GA. STEEL SIGN.
2. GREEN LETTERING AND BORDER WITH WHITE BACKGROUND.

R7-H8bP NOTES:
1. 12"X6"X16 GA. STEEL SIGN.
2. GREEN LETTERING AND BORDER WITH WHITE BACKGROUND.

NOTE:
1. ONE ACCESSIBLE PARKING SPACE FOR EVERY SIX OR FRACTION THERE OF SHALL BE DESIGNATED AS "VAN ACCESSIBLE". LOCATION AS NOTED ON THE DRAWINGS.
2. ONE SIGN TO BE INSTALLED AT EACH ACCESSIBLE PARKING SPACE

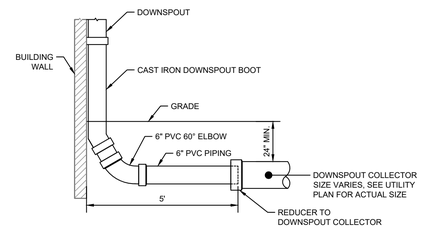
8 / C-101 ACCESSIBLE PARKING SIGN DETAIL

N.T.S.



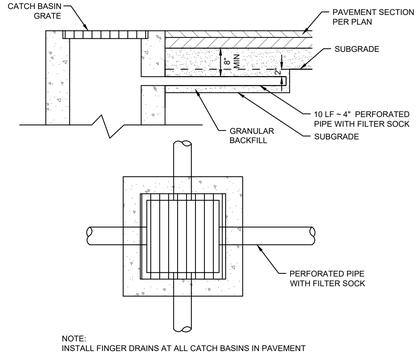
9 / C-101 CLEANOUT DETAIL

N.T.S.



10 / C-101 DOWNSPOUT BOOT DETAIL

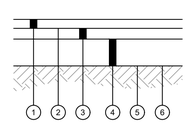
N.T.S.



NOTE:
INSTALL FINGER DRAINS AT ALL CATCH BASINS IN PAVEMENT

11 / C-101 FINGER DRAIN DETAIL

N.T.S.



1. 1 1/2" ODOT ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22
2. ODOT ITEM 407 TACK COAT, APPLY IF TIME BETWEEN ASPHALT LIFTS EXCEEDS 30 DAYS
3. 4" ODOT ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG64-22
4. 8" ODOT ITEM 304 AGGREGATE BASE
5. WOVEN GEOTEXTILE FABRIC, ODOT ITEM 712.09 TYPE D
6. SUBGRADE COMPACTION, REFERENCE ODOT ITEM 204, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

12 / C-101 HEAVY DUTY ASPHALT PAVEMENT DETAIL

N.T.S.

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Loft 100
Columbus, Ohio 43215
614.459.2955 PH
614.455.2955 FX
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SALEM AVENUE SENIOR COMMUNITY

1038 Salem Avenue Dayton, Ohio 45406

NATIONAL CHURCH RESIDENCES
5475 Rings Road, Suite 300
Dublin, Ohio 43017

NO.	DATE	REVISION

JOB NO. : 2025-21
TKG NO. 210508.004
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 01/14/2026

DETAILS

C101

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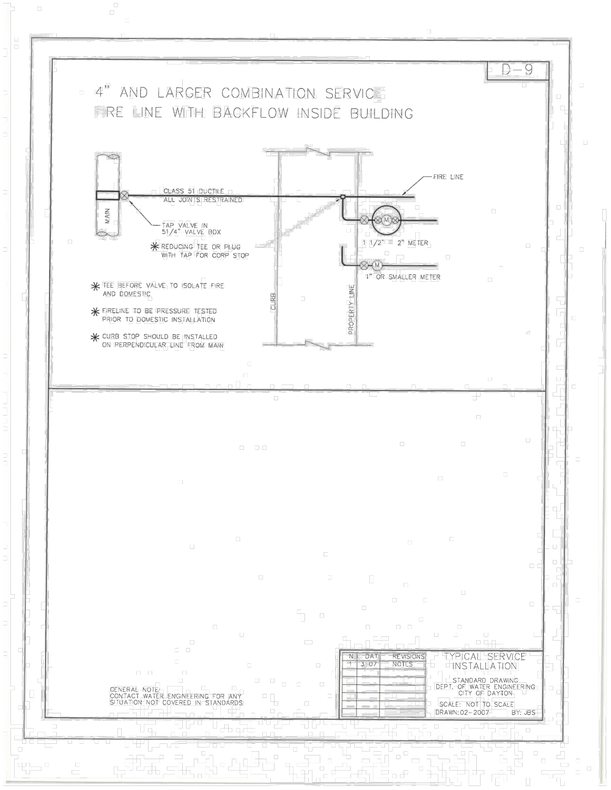
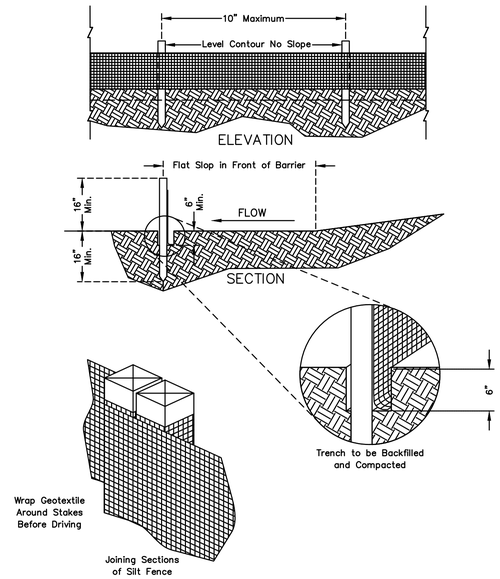




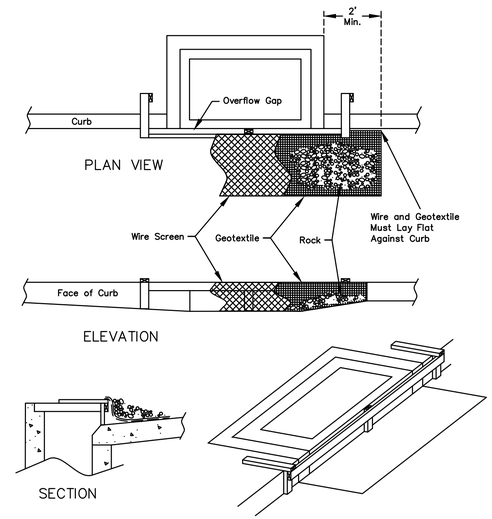
* REFER TO "RAINWATER LAND DEVELOPMENT" OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION FOR DESIGN INFORMATION.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	1/20	Dimension Edit

SILT FENCE

DRAWING NO. ER-3
SCALE: NOT TO SCALE
DRAWN: MAY 2002 BY: JBS

City of Dayton WATER
320 W. MONUMENT AVE.
DAYTON, OHIO 45402
CITY OF DAYTON
DEPARTMENT OF WATER
DIVISION OF WATER ENGINEERING



* REFER TO "RAINWATER LAND DEVELOPMENT" OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION FOR DESIGN INFORMATION.

* SEDIMENT BUILD-UP ON AND AROUND INLET PROTECTION SHALL BE REMOVED PERIODICALLY SO AS TO AVOID PONDING NEAR LANES OF TRAVEL.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	1/20	Note added

INLET PROTECTION – CURB

DRAWING NO. ER-4
SCALE: NOT TO SCALE
DRAWN: MAY 2002 BY: JBS

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DAYTON, OHIO 45402
CITY OF DAYTON
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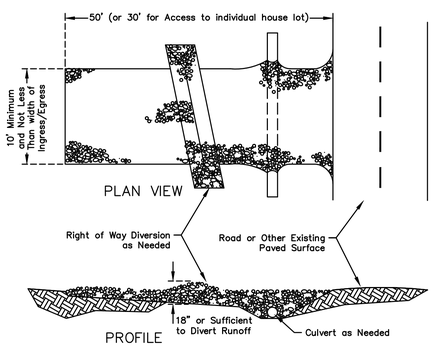

1. Stone Size – Two-inch stone shall be used, or recycled concrete equivalent.
2. Length – The construction entrance shall be as long as required to stabilize high traffic areas but not less than 50 ft. (except on single residence lot where a 30-ft. minimum length applies).
3. Thickness – The stone layer shall be at least 6 in. thick.
4. Width – The entrance shall be at least 10ft. wide, but not less than the full width at points where ingress or egress occurs.
5. Bedding – A geotextile shall be placed over the entire area prior to placing stone. It shall have a Grab Tensile Strength of at least 200 lb. and a Mullen Burst Strength of at least 190 lb.
6. Culvert – A pipe or culvert shall be constructed under the entrance if needed to prevent surface water flowing across the entrance from being directed out onto paved surfaces.
7. Water Bar – A water bar shall be constructed as part of the construction entrance if needed to prevent surface runoff from flowing the length of the construction entrance and out onto paved surfaces.
8. Maintenance – Top dressing of additional stone shall be applied as conditions demand. Mud spilled, dropped, washed or tracked onto public roads, or any surface where runoff is not checked by sediment controls, shall be removed immediately. Removal shall be accomplished by scraping or sweeping. Sweep road weekly with pick up broom 100 feet each direction.
9. Construction entrances shall not be relied upon to remove mud from vehicles and prevent off-site tracking. Vehicles that enter and leave the construction-site shall be restricted from muddy areas.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	9/18	Maintenance Note

CONSTRUCTION ENTRANCE

DRAWING NO. ER-8
SCALE: NOT TO SCALE
DRAWN: MAY 2002 BY: JBS

City of Dayton WATER
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CITY OF DAYTON
DEPARTMENT OF WATER
DIVISION OF WATER ENGINEERING

PERMANENT SEEDING			
SEED MIX	SEEDING RATE		NOTES
	lb./ac.	lb./1000 ft.^{2}	
GENERAL USE			
Creeping Red Fescue	20–40	½ – 1	
Domestic Ryegrass	10–20	¼ – ½	
Kentucky Bluegrass	10–20	¼ – ½	
Tall Fescue	40	1	
Dwarf Fescue	40	1	
STEEP BANKS or CUT SLOPES			
Tall Fescue	20–40	1	
Crown Vetch Tall Fescue	10–20	¼ – ½	Do not seed later than August
Flat Pea Tall Fescue	20	½	Do not seed later than August
ROADS, DITCHES and SWALES			
Tall Fescue	40	1	
Dwarf Fescue	90	2 ½	
Kentucky Bluegrass	5		
LAWNS			
Kentucky Bluegrass	60	1 ½	
Perrenial Ryegrass	60	1 ½	
Kentucky Bluegrass	60	1 ½	For shaded areas
Creeping Red Fescue	60	1 ½	For shaded areas
Note: Other approved seed species may be substituted			

* REFER TO "RAINWATER LAND DEVELOPMENT" OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION FOR DESIGN INFORMATION.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD

PERMANENT SEEDING

DRAWING NO. ER-10
SCALE: NOT TO SCALE
DRAWN: MAY 2002 BY: JBS

City of Dayton WATER
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DIVISION OF WATER ENGINEERING

TEMPORARY SEEDING			
SPECIES	SEEDING RATE		SEEDING DATES
	lb./ac.	lb./1000 ft.^{2}	
Oats	4 Bushel	3	March 1 to August 15
Tall Fescue	40	1	
Annual Ryegrass	40	1	
Perennial Ryegrass	40	1	
Tall Fescue	40	1	
Annual Ryegrass	40	1	
Rye	2 Bushel	3	August 16 to November 1
Tall Fescue	40	1	
Annual Ryegrass	40	1	
Wheat	2 Bushel	3	
Tall Fescue	40	1	
Annual Ryegrass	40	1	
Perennial Ryegrass	40	1	
Tall Fescue	40	1	
Annual Rygrass	40	1	
Use mulch only, sodding practices or dormant seeding.			November 1 to Spring Seeding
Note: Other approved seed species may be substituted			

* REFER TO "RAINWATER LAND DEVELOPMENT" OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT, AND URBAN STREAM PROTECTION FOR DESIGN INFORMATION.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD

TEMPORARY SEEDING

DRAWING NO. ER-11
SCALE: NOT TO SCALE
DRAWN: MAY 2002 BY: JBS

City of Dayton WATER
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614.455.2955 FX
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NO.	DATE	REVISION

JOB NO. : 2025-21
TKG NO. 210508.004
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 01/14/2026

STANDARD DETAILS (1)

C102

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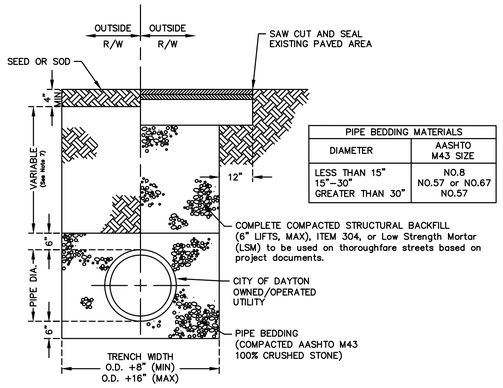

PIPE BEDDING MATERIALS	
DIAMETER	AASHTO M43 SIZE
LESS THAN 15"	NO.8
15"–30"	NO.57 or NO.67
GREATER THAN 30"	NO.57

NOTE:

1. A STREET CUT PERMIT SHALL BE OBTAINED FROM THE CITY OF DAYTON.
2. TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL DEVICES AND THE MAINTENANCE OF TRAFFIC PLAN SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS.
3. THE CITY OF DAYTON SHALL INSPECT THE OPEN TRENCH PRIOR TO BACKFILLING.
4. ALL BACKFILL MATERIAL SHALL BE COMPACTED IN UNIFORM LAYERS TO INSURE AGAINST SETTLEMENT.
5. DURING CONSTRUCTION AND UPON COMPLETION OF THE WORK THE AREA SHALL BE CLEANED OF ALL DIRT, MUD AND DEBRIS.
6. ALL SURFACE RESTORATION SHALL BE MADE PER "RULES & REGULATIONS FOR MAKING OPENINGS IN A PUBLIC WAY" (LATEST EDITION).
7. NATIVE MATERIAL MAY BE USED OUTSIDE OF RIGHT–OF–WAY WITH the WATER ENGINEERING'S APPROVAL.

NO.	DATE	REVISIONS
1	4/07	added O.D. note
		added NO. 57
		6" TO 12"
		8" TO 8" LIFT
2	5/13	Convert–AutoCAD
3	1/20	Notes added

PIPE BEDDING & TRENCH

DRAWING NO. G–1
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

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DAYTON, OHIO 45402
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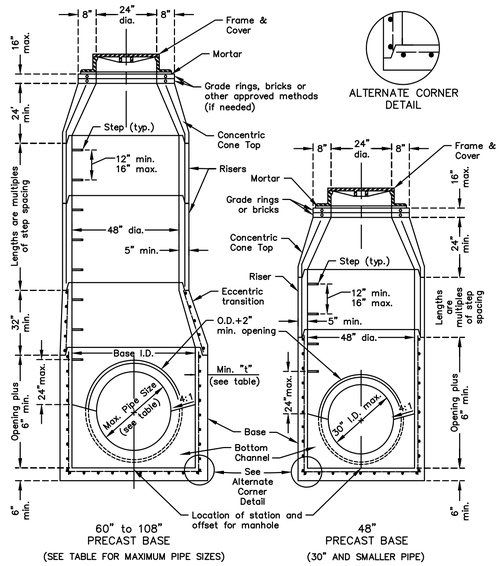

SECTION VIEWS OF REINFORCED PRECAST MANHOLES

* Manhole shall meet ODOT Manhole No. 3 Minimum Requirements.

NO.	DATE	REVISIONS
1	7/05	CONCENTRIC
2	5/13	Convert–AutoCAD

MANHOLE "TYPE A"
Sheet 1 of 2

DRAWING NO. G–3
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

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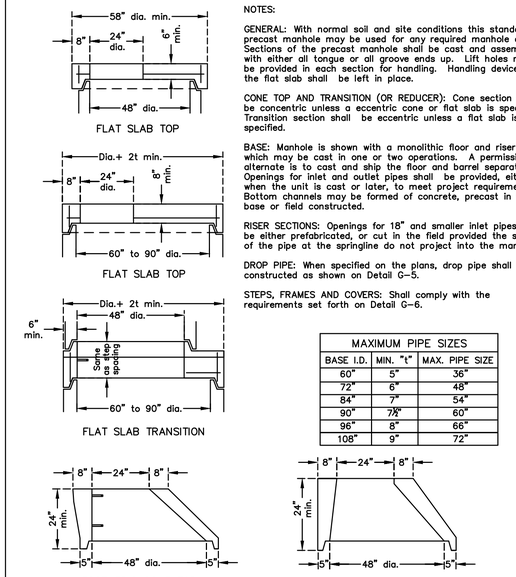

NOTES:

GENERAL: With normal soil and site conditions this standard precast manhole may be used for any required manhole depth. Sections of the precast manhole shall be cast and assembled with either all tongue or all groove ends up. Lift holes may be provided in each section for handling. Handling device for the flat slab shall be left in place.

CONE TOP AND TRANSITION (OR REDUCER): Cone section shall be concentric unless a eccentric cone or flat slab is specified. Transition section shall be eccentric unless a flat slab is specified.

BASE: Manhole is shown with a monolithic floor and riser which may be cast in one or two operations. A permissible alternate is to cast and ship the floor and barrel separately. Openings for inlet and outlet pipes shall be provided, either when the unit is cast or later, to meet project requirements. Bottom channels may be formed of concrete, precast in the base or field constructed.

RISER SECTIONS: Openings for 18" and smaller inlet pipes may be either prefabricated, or cut in the field provided the sides of the pipe at the springline do not project into the manhole.

DROP PIPE: When specified on the plans, drop pipe shall be constructed as shown on Detail G–5.

STEPS, FRAMES AND COVERS: Shall comply with the requirements set forth on Detail G–6.

MAXIMUM PIPE SIZES		
BASE I.D.	MIN. "t"	MAX. PIPE SIZE
60"	5"	36"
72"	6"	48"
84"	7"	54"
90"	7½"	60"
96"	8"	66"
108"	9"	72"

NO.	DATE	REVISIONS
1	7/05	Added Eccentric
2	7/05	Cone Note
3	4/07	Cone modified
4	5/13	Convert–AutoCAD
5	9/18	Cone Note

MANHOLE "TYPE A"
Sheet 2 of 2

DRAWING NO. G–3
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

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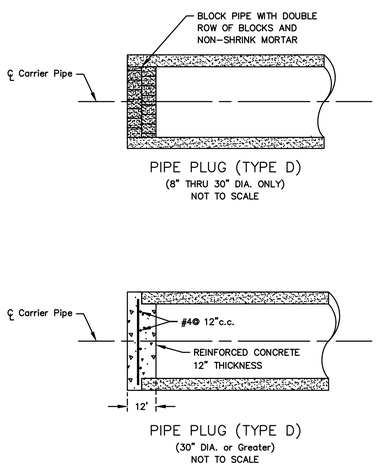
DIVISION OF WATER ENGINEERING



* Similar pipe plug details to be used in manholes.

NO.	DATE	REVISIONS
1	5/13	Convert–AutoCAD
2	1/20	Note Added

PIPE PLUG
(STORM & SANITARY)

DRAWING NO. C–9
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

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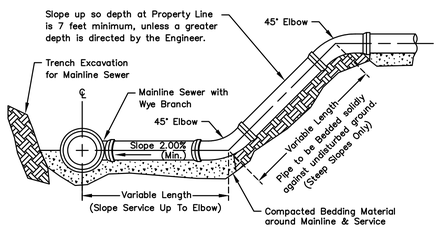
CITY OF DAYTON
DEPARTMENT OF WATER
DIVISION OF WATER ENGINEERING



NOTE:

1. WITHIN NEW RESIDENTIAL SUBDIVISIONS, THE CONTRACTOR SHALL INSTALL ALL LATERALS FROM THE MAIN TO THE RIGHT–OF–WAY OR EASEMENT LIMITS.

NO.	DATE	REVISIONS
1	5/13	Convert–AutoCAD
2	9/18	Note Edited

SANITARY LATERAL RISER
(IN EXCESS OF 12')

DRAWING NO. SA–2
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

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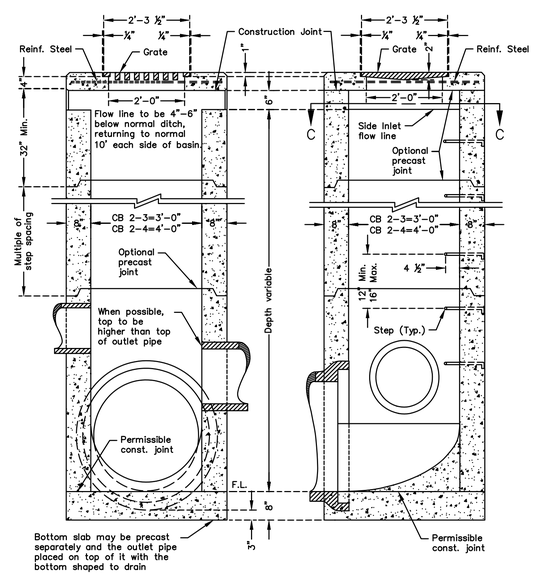
DIVISION OF WATER ENGINEERING



NO.	DATE	REVISIONS
1	5/13	Convert–AutoCAD

CATCH BASINS No. 2–3 & 2–4
(Sheet 1 of 2)

DRAWING NO. ST–2
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

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5475 Rings Road, Suite 300
Dublin, Ohio 43017

NO.	DATE	REVISION

JOB NO. : 2025-21
TKG NO. 210508.004
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 01/14/2026

STANDARD DETAILS (2)

C103

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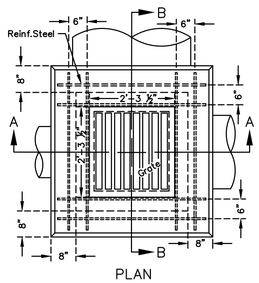
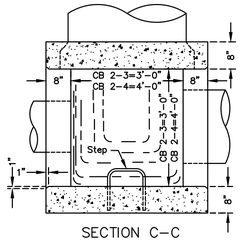


PLAN

All grate edges to be rounded ¼" radii



SECTION C–C

CATCH BASIN	OUTLET PIPE SIZE
2–3	12" to 33"
2–4	36" to 42"

NOTES:

GRATE: See details on ST-1 weight of grate 120 lbs. , or meets AASHTO M 306.

If necessary, bicycle safe and traffic bearing grates shall be specifed in the plans. Bicycle safe grates shall be Neenah No. R-4859-C or East Jordan No. 5110 Type M2 or approved equals.

WALLS: Brick or cast-in-place walls shall have a nominal thickness of 8" . Precast walls shall have a minimum thickness of 6" and be reinforced sufficiently to permit shipping and handling without damage.

STEPS: Steps shall be provided where the depth exceeds 6' and shall meet the requirements of G-6.

CONCRETE: Cast-in-place concrete is to be City of Dayton Class D. All concrete shall meet ODOT requirements.

REINFORCEMENTS: Reinforcing in the top is to be #4 bars spaced at 6" center to center. For Catch Basin No. 2-3 use eight bars and for Catch Basin No. 2-4 use twelve bars.

INLETS OVER 12 FEET IN DEPTH: Shall be precast or Cast-in-place concrete; reinforced with #4 bars on 12" centers both vertically and horizontilly with 2" clearance from inside wall face.

PRECAST BASE: If a precast base is used, it shall be set deep enough so that the top can be placed on the base to provide the grate elevation specified in the plans. Layers of brick shall not be used to adjust the top elevation.

LOCATION AND ELEVATION: When given on the plans, the location and elevation are at the top center of the grate. When side openings are provided, the elevation shall be at the flow line of the side inlet.

MINIMUM DEPTH: The minimum depth of CB No. 2-3 and CB No. 2-4 shall be the outside diameter (O.D.) of the outlet pipe plus 7".

OPENINGS: Pipe openings shall be the O.D. of the pipe being supplied plus 2" when prefabricated or field cut. The interstitial space shall be filled with grout.

SIDE INLETS: Shall be provided only when specified on the plans. Inlets shall be provided on both sides of the catch basin in sags and on upstream side only where the ditch has a continuous down grade past the catch basin. Catch basins with side inlets shall not be used within Clear Zone.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD

CATCH BASINS No. 2-3 & 2-4 (Sheet 2 of 2)

DRAWING NO. ST-2
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

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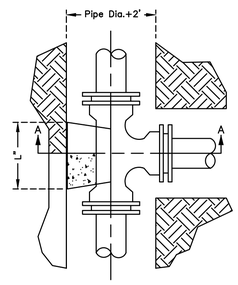
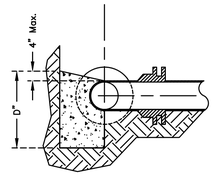
RUN	BRANCH 3" L"	3" D"	3" Vc.f.	4" L"	4" D"	4" Vc.f.	6" L"	6" D"	6" Vc.f.	8" L"	8" D"	8" Vc.f.	10"+12" L"	10"+12" D"	10"+12" Vc.f.	16" L"	16" D"	16" Vc.f.	20" L"	20" D"	20" Vc.f.	24" L"	24" D"	24" Vc.f.
3"	12	5	0.5																					
4"	10	6	0.5	11	8	0.8																		
6"	9	7	0.5	11	8	0.8	18	12	1.9															
8"	8	8	0.5	10	9	0.7	18	12	1.9	23	16	3.5												
10"	6	12	0.6	8	12	0.8	18	12	1.9	23	16	3.5	38	22	8.7									
12"	6	12	0.6	8	12	0.8	18	12	1.9	23	16	3.5	38	22	8.7									
16"	6	16	0.8	6	16	0.8	14	16	2.0	20	18	3.3	36	23	8.7	49	30	13.6						
20"	6	20	1.0	6	20	1.0	11	20	1.9	18	20	3.3	35	24	8.7	46	32	13.6	60	38	26.5			
24"	6	24	1.2	6	24	1.2	9	24	1.9	15	24	3.3	30	28	8.7	42	36	14.0	54	42	26.3	68	48	45.4

STEEL WILL BE USED AS REQUIRED BY THE ENGINEER



PLAN VIEW



SECTION A – A

NOTE:

1. BACKER DESIGN FOR 3000 PSF SOIL BEARING.
2. CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH.
3. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.
4. A minimum of 6 mils thick polyethylene sheeting shall encase all bends tees and fittings where a thrust block is required and extend not less than 12" from the edge of the poured concrete.
5. Contractor must mix bagged concrete with water prior to placing around fittings. Mixing concrete in trench is prohibited.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	1/20	Added Notes 4&5

THRUST BLOCKING FOR WATER MAIN TEES

DRAWING NO. WA-1
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

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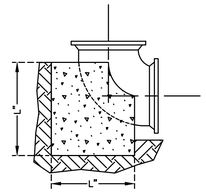
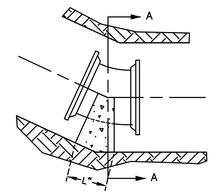
SIZE OF PIPE	DEGREE OF BEND 11° L"	11° D"	11° Vc.f.	22° L"	22° D"	22° Vc.f.	45° L"	45° D"	45° Vc.f.	90° L"	90° D"	90° Vc.f.
3"	4	3	0.1	6	4	0.2	10	4	0.3	10	4	0.3
4"	5	4	0.2	9	5	0.4	14	5	0.6	14	5	0.6
6"	8	6	0.5	12	7	0.7	20	8	1.4	18	9	1.7
8"	9	8	0.7	16	9	1.4	24	12	2.7	25	11	4.0
10"+12"	14	12	1.8	24	14	3.6	36	18	6.9	32	18	10.7
16"	18	16	3.4	32	18	6.7	36	32	13.4	41	26	25.4
20"	25	20	6.4	30	30	11.5	49	36	20.5	50	32	46.5
24"	27	24	9.0	39	34	18.4	60	42	35.0	58	40	77.7

STEEL WILL BE USED AS REQUIRED BY THE ENGINEER



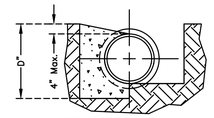
90° BENDS



BENDS LESS THAN 90°

NOTE:

1. BACKER DESIGN FOR 3000 PSF SOIL BEARING.
2. CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH.
3. A minimum of 6 mils thick polyethylene sheeting shall encase all bends tees and fittings where a thrust block is required and extend not less than 12" from the edge of the poured concrete.



SECTION A–A

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	9/18	ADDED NOTE NO. 3

THRUST BLOCKING FOR BENDS ON WATER MAINS

DRAWING NO. WA-2
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

City of Dayton WATER
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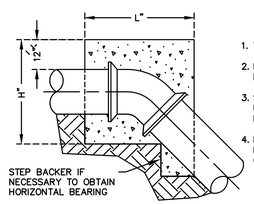
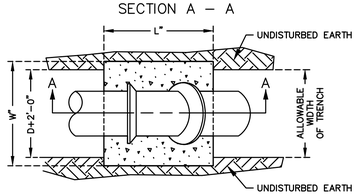
SIZE OF PIPE	DEGREE OF BEND 11° L"	11° W"	11° H"	11° Vol.	22° L"	22° W"	22° H"	22° Vol.	45° L"	45° W"	45° H"	45° Vol.	90° L"	90° W"	90° H"	90° Vol.
3"	12	18	12	1.5	13	25	16	3.0	18	30	19	5.9	25	30	24	10.4
4"	12	24	16	2.6	16	30	18	5.0	22	36	24	11.0	27	48	25	18.7
6"	12	48	18	6.0	15	43	36	13.4	30	55	24	22.9	37	54	36	41.6
8"	12	63	24	10.5	18	57	34	20.2	36	57	33	39.2	47	60	46	75.0
10"+12"	20	54	36	22.6	37	62	37	49.0	48	62	51	87.9	66	66	66	166.4
16"	31	65	38	44.3	60	65	39	88.1	65	65	65	159.2	72	96	72	28.0
20"	45	70	40	72.8	56	70	60	136.2	72	76	78	247.0	86	108	84	451.8
24"	41	72	54	92.3	67	74	69	198.0	88	84	84	359.1	96	120	96	640.0



SECTION A – A

NOTE:

1. VOLUMES GIVEN IN CUBIC FEET.
2. BACKER TO BE CENTERED HORIZONTAL ON BEND.
3. STEEL ANCHOR RODS WILL BE USED AS REQUIRED BY ENGINEER.
4. BEND TO BE WRAPPED IN PLASTIC SHEETS PRIOR TO CONCRETE ENCASEMENT.



BENDS LESS THAN 90°

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD
2	9/18	ADDED NOTE NO.4

THRUST BLOCKING FOR OVER VERTICAL BENDS (ONLY)

DRAWING NO. WA-3
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

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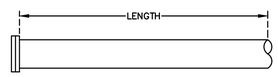
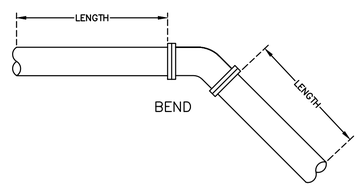
DIVISION OF WATER ENGINEERING

	4"	6"	8"	10"	12"	16"	LARGER THAN 16"
11 ¼°	2'	3'	4'	5'	6'	8'	CONSULT WATER ENGINEERING FOR RESTRAINED LENGTHS
22 ½°	5'	7'	9'	11'	12'	16'	
45°	10'	14'	19'	22'	25'	33'	
90°	24'	33'	44'	53'	66'	98'	
TEE							
PLUG							

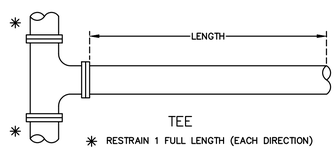
* This table is valid for test pressure up to 150 PSI. For pressures more than 150 PSI, consult water engineering for restrained joint lengths.



PLUG



BEND



TEE

* RESTRAIN 1 FULL LENGTH (EACH DIRECTION)

NO.	DATE	REVISIONS
1	3/09	EDIT LENGTH
2	5/13	Convert-AutoCAD
3	1/20	Note Added

RESTRAINED JOINT LENGTHS FOR WATER MAINS

DRAWING NO. WA-4
SCALE: NOT TO SCALE
DRAWN: JANUARY 2001 BY: JBS

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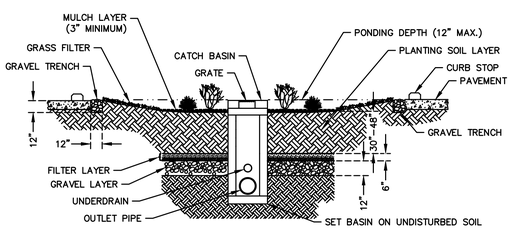
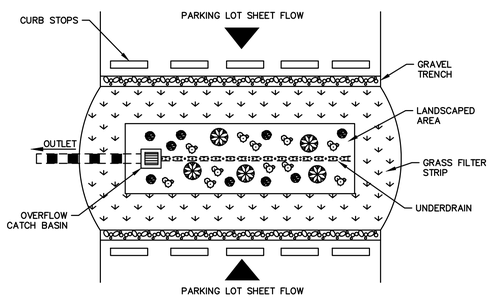


CROSS SECTION



PLAN VIEW

NOTE:
PLEASE REFER TO THE OHIO DEPARTMENT NATURAL RESOURCES RAINWATER AND LAND DEVELOPMENT MANUAL FOR MORE INFORMATION.

NO.	DATE	REVISIONS
1	5/13	Convert-AutoCAD

BIORETENTION

DRAWING NO. BMP-10
SCALE: NOT TO SCALE
DRAWN: MAY 2009 BY: CMT

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Dublin, Ohio 43017

NO.	DATE	REVISION

JOB NO. : 2025-21
TKG NO. 210508.004
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 01/14/2026

STANDARD DETAILS (3)

C104

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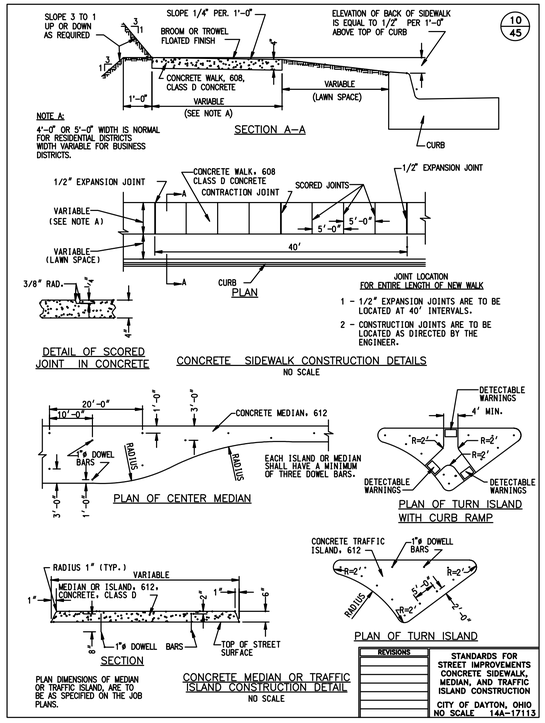

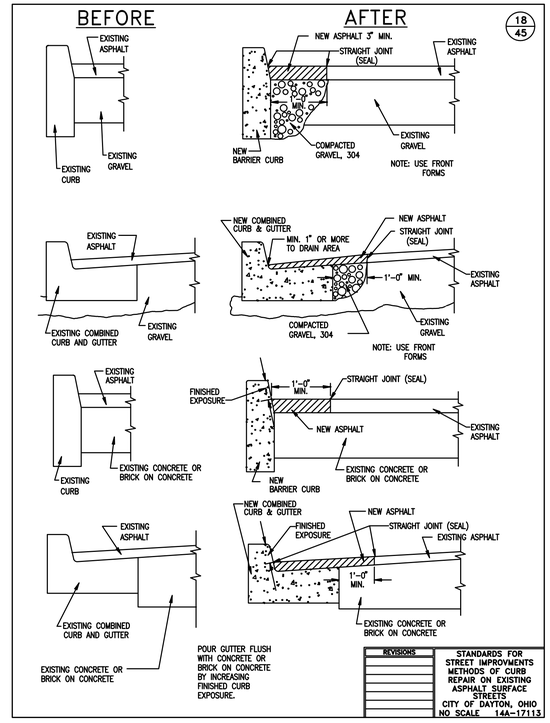

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TKG NO. 210508.004
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 01/14/2026

STANDARD DETAILS (4)

C105

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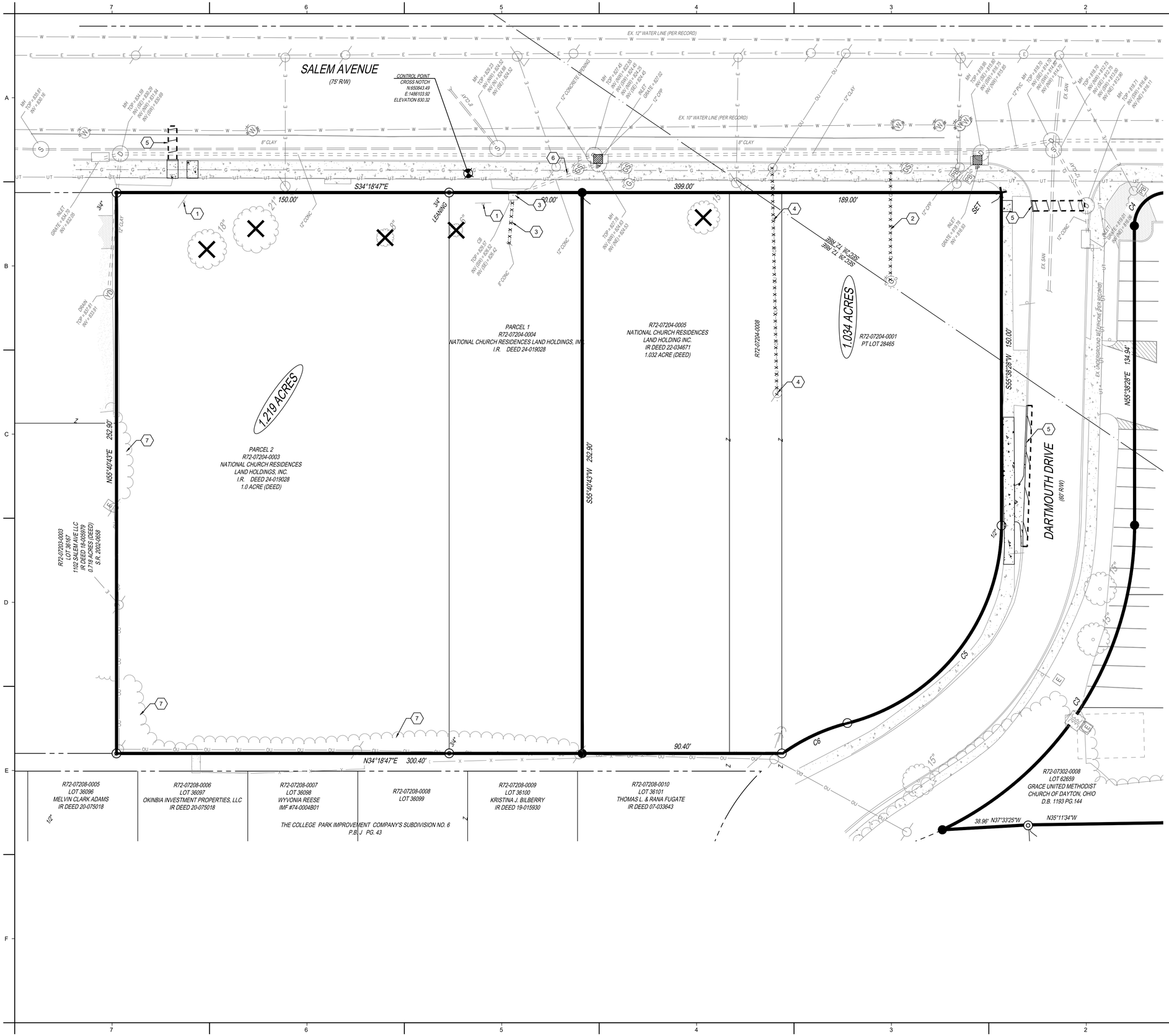

DEMOLITION LEGEND

- REMOVE CONCRETE
- REMOVE PAVEMENT AND BASE
- SAWCUT LINE
- REMOVE UTILITY LINE
- REMOVE TREE
- INLET PROTECTION PER COD STD. DWG ER-6

CODED NOTES

1. REMOVE SIGN AND FOUNDATION
2. REMOVE GAS SERVICE
3. REMOVE STORM SEWER
4. REMOVE OVERHEAD ELECTRIC SERVICE
5. REMOVE CURB
6. ABANDON STORM SEWER IN PLACE
7. REMOVE VEGETATION

EXISTING LEGEND

- 5/8" IRON PIN FOUND
- 5/8" IRON PIN SET
- CROSS NOTCH SET
- 1" PIPE FOUND (UNLESS NOTED)
- MAG NAIL SET
- UNKNOWN MANHOLE
- SANITARY MANHOLE
- SEPTIC MANHOLE
- CATCH BASIN
- INLET
- STORM MANHOLE
- YARD DRAIN
- LIGHT POLE
- TRANSFORMER
- UTILITY POLE
- GUY POLE
- AIR CONDITION UNIT
- ELECTRIC BOX
- ELECTRIC METER
- PULL BOX
- GUARD POST
- SINGLE SIGN POST
- GAS VALVE
- GAS METER
- GAS SERVICE
- WATER VALVE
- FIRE HYDRANT
- POST INDICATOR VALVE
- FIRE DEPARTMENT CONNECTION
- IRRIGATION CONTROL VALVE
- TELEPHONE MANHOLE
- PHONE BOX
- GAS LINE
- FENCE LINE
- WATERLINE (PER RECORD)
- OVERHEAD UTILITIES
- UNDERGROUND TELEPHONE (PER RECORD)
- SANITARY SEWER
- STORM SEWER
- DECIDUOUS TREE
- CONIFEROUS TREE
- ASPHALT
- CONCRETE
- LANDSCAPE

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ISSUED FOR : 80% BID SET
DATE : 01/14/2026

DEMOLITION PLAN

C106

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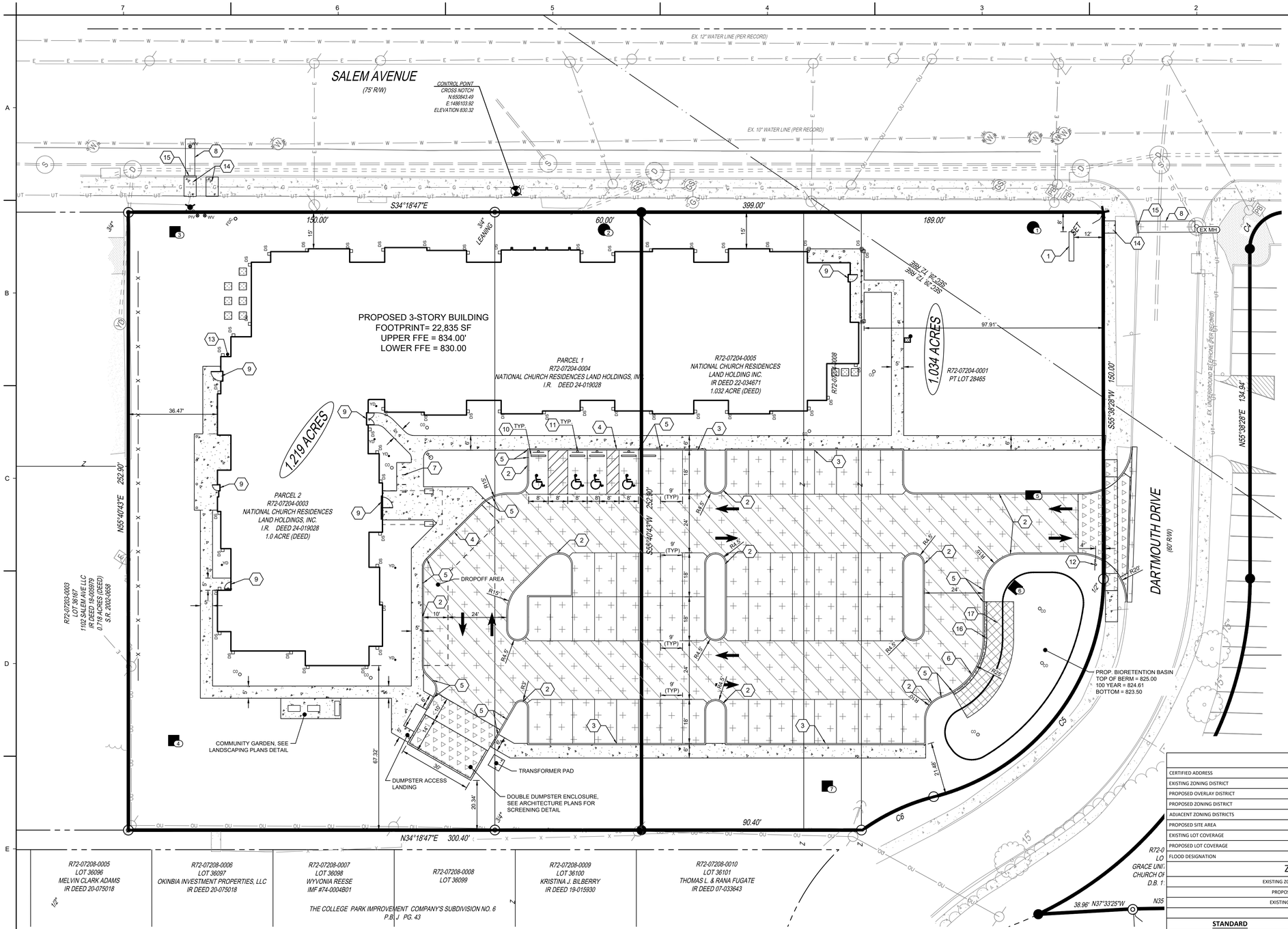

PROPOSED LEGEND

- CATCH BASIN
- CURB INLET
- MANHOLE
- STORM SEWER CLEANOUT (9 / C-101)
- DOWNSPOUT (10 / C-101)
- YARD DRAIN
- SANITARY SEWER CLEANOUT
- FIRE HYDRANT
- WATER VALVE
- POST INDICATOR VALVE
- FIRE DEPARTMENT CONNECTION
- STANDARD DUTY ASPHALT PAVEMENT (1 / C-101)
- HEAVY DUTY ASPHALT PAVEMENT (12 / C-101)
- CONCRETE WALK (2 / C-101)
- HEAVY DUTY CONCRETE PAVEMENT (3 / C-101)
- CONCRETE PAD FOR CONDENSER - SEE MEP PLANS FOR DETAILS
- BIORETENTION BASIN
- TURF REINFORCEMENT MAT

CODED NOTES

1. PROPOSED SIGN
2. BARRIER CURB, SEE DETAIL 4 ON SHEET C101
3. SIDEWALK CURB, SEE DETAIL 2 ON SHEET C101
4. FLUSH SIDEWALK CURB, SEE DETAIL 2 ON SHEET C101
5. CURB TRANSITION RAISED TO FLUSH
6. FLUSH CURB, SEE DETAIL 5 ON SHEET C101
7. BIKE PARKING, SEE DETAIL 6 ON SHEET C101
8. PIPE TRENCH PER COD STD. DWG. NO. G-1
9. LANDING PER ARCHITECTURAL PLAN
10. WHEEL STOP, SEE DETAIL 7 ON SHEET C101
11. ACCESSIBLE PARKING SIGN, SEE DETAIL 8 ON SHEET C101
12. R1-1 (30 x 30)
13. 2" GAS METER - SEE MEP PLANS
14. WALK REPLACEMENT PER COD STD. DWG. NO. 10-45
15. CURB REPLACEMENT PER COD STD. DWG . NO. 18-45
16. GRAVEL TRENCH PER COD STD. DWG. NO. BMP-10
17. VMAX SC250 TURF REINFORCEMENT MAT

SITE INFORMATION

CERTIFIED ADDRESS	FORTHCOMING
EXISTING ZONING DISTRICT	ER-4 - ECLECTIC SINGLE-FAMILY DISTRICT
PROPOSED OVERLAY DISTRICT	PD - PLANNED DEVELOPMENT OVERLAY DISTRICT
PROPOSED ZONING DISTRICT	EMF - ECLECTIC MULTI-FAMILY
ADJACENT ZONING DISTRICTS	ER-4 - ECLECTIC SINGLE-FAMILY DISTRICT
PROPOSED SITE AREA	2.25 AC
EXISTING LOT COVERAGE	1.34 AC (60%)
PROPOSED LOT COVERAGE	1.26 AC (56%)
FLOOD DESIGNATION	ZONE X (FIRM MAP 39113C0164E, EFFECTIVE 01/06/2005)

ZONING REQUIREMENTS

EXISTING ZONING DISTRICT: ER-4 - ECLECTIC SINGLE-FAMILY DISTRICT		
PROPOSED ZONING DISTRICT: EMF - ECLECTIC MULTI-FAMILY		
EXISTING USE: COMMERCIAL & CHURCH/RELIGIOUS ASSEMBLY		
PROPOSED USE: MULTI-FAMILY DWELLINGS		
STANDARD	**REQUIREMENT**	**PROPOSED**
FRONT BUILDING SETBACK (EAST; SALEM AVE)	22'-8"	15'
FRONT BUILDING SETBACK (SOUTH; DARTMOUTH DR)	22'-8"	97'
SIDE BUILDING SETBACK (NORTH & WEST)	25'	36.47' (N), 57.90' (W)
PARKING SETBACK	10'	21.48' (DARTMOUTH DR)
MAX BUILDING HEIGHT	50'	37'

PARKING REQUIREMENTS

STANDARD	REQUIREMENT	PROPOSED
OFF STREET PARKING SPACE SIZE	9' X 18' MINIMUM	9' X 18'
DRIVE AISLE WIDTH	24'	24'
MINIMUM NUMBER OF PARKING SPACED REQUIRED	83 (1 PER UNIT + 1 PER 10 UNITS)	62 (58 STANDARD SPACES + 4 ADA SPACES)
BICYCLE PARKING	19 (1 PER 4 BEDROOMS, 75 BEDROOMS)	4

NOTES

1. ALL RADII ARE 5' UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL STANDARD (NON-ADA) PARKING SPACES ARE 9'W X 18'L.

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LOCATION PLAN

C107

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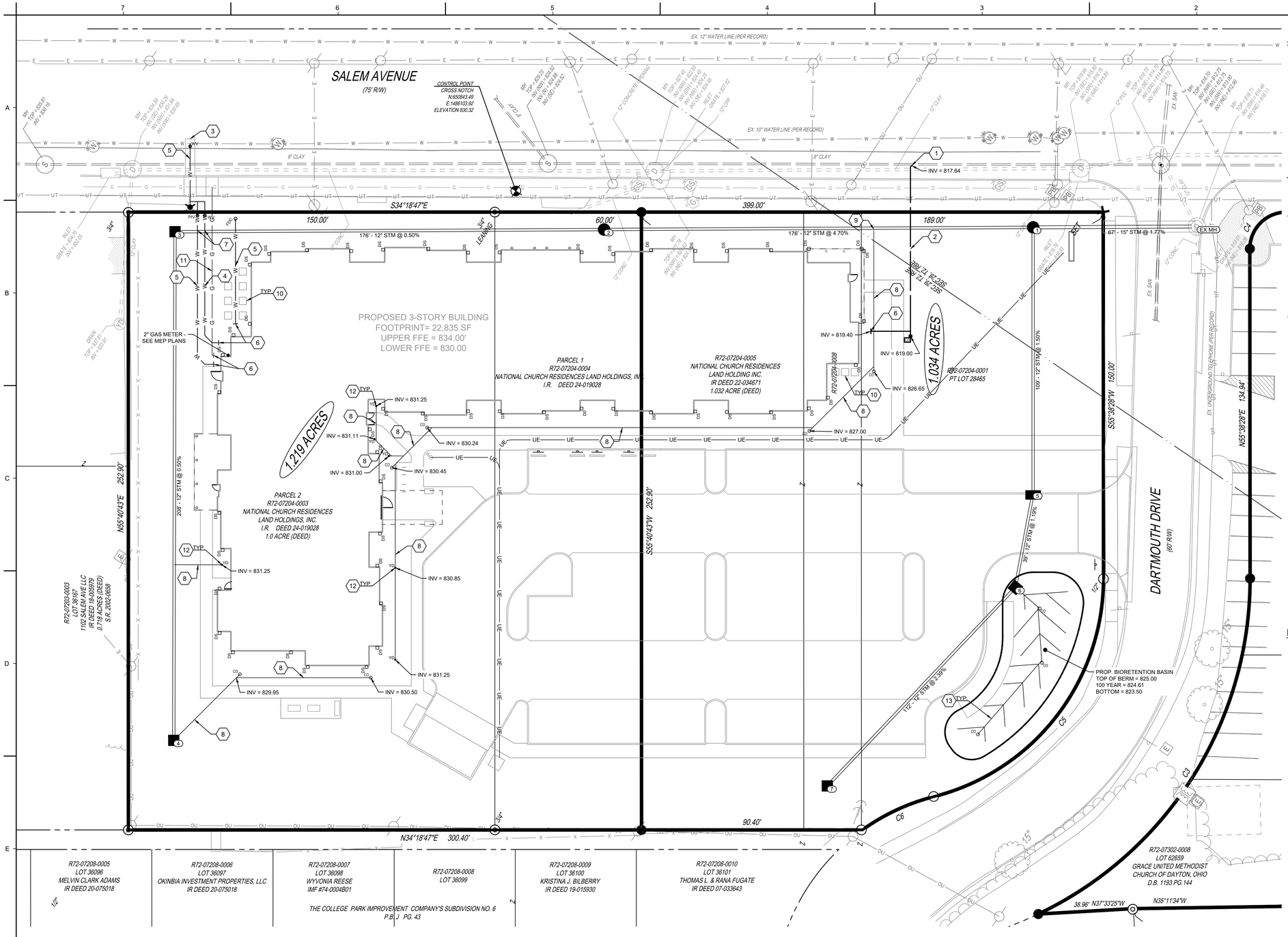

PROPOSED LEGEND

- STM — STORM SEWER PIPE
- CATCH BASIN
- CURB INLET
- MANHOLE
- STORM SEWER CLEANOUT (9 / C-101)
- DOWNSPOUT (10 / C-101)
- YARD DRAIN
- SAN — SANITARY SEWER PIPE
- SANITARY SEWER CLEANOUT (10 / C-101)
- W — WATERLINE PIPE
- FIRE HYDRANT
- WATER VALVE
- POST INDICATOR VALVE
- FIRE DEPARTMENT CONNECTION
- UE — UNDERGROUND ELECTRIC (SHOWN FOR REFERENCE ONLY. REFER TO SITE ELECTRICAL PLANS FOR DETAIL.)

CODED NOTES

1. CONNECT TO 8" CLAY SEWER PER COD STD. DWG. SA-2
2. 8" SEWER SERVICE @ 2.0% MIN.
3. CONNECT TO EXISTING 12" PVC WATER MAIN WITH CORP. STOP AND 5 1/4" VALVE BOX PER COD STD. DWG. D-9
4. 4" DOMESTIC WATER SERVICE
5. 6" FIRE PROTECTION SERVICE
6. SEE MEP FOR CONTINUATION
7. LOWER WATER MAIN PER COD STD. DWG.WA-8
8. PROPOSED 8" STORM @ 1.0% MIN.
9. CONNECT STORM PIPE WITH INSERT-A-TEE OR APPROVED EQUAL
10. CONDENSER PAD - SEE MEP PLANS FOR DETAILS
11. 2" GAS SERVICE
12. 18" SQUARE NDS YARD DRAIN OR APPROVED EQUAL
13. 6" PERFORATED UNDERDRAIN

NOTES:

1. CONTRACTOR SHALL CONFIRM DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND REPORT ANY CONFLICTS TO THE DESIGN ENGINEER IMMEDIATELY. CONTRACTOR SHALL COORDINATE RESOLUTION OF ANY UNAVOIDABLE CONFLICT WITH THE APPROPRIATE UTILITY OWNER. CONTINGENCY FOR ANY LOWERING OR RELOCATION NEEDED SHALL BE ALLOTTED FOR IN THE BID PRICE FOR THE PROJECT.
2. CONTRACTOR TO ENSURE 18" MINIMUM VERTICAL CLEARANCE ON ALL UTILITY CROSSINGS UNLESS OTHERWISE NOTED.
3. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITIES WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

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UTILITY PLAN

C108

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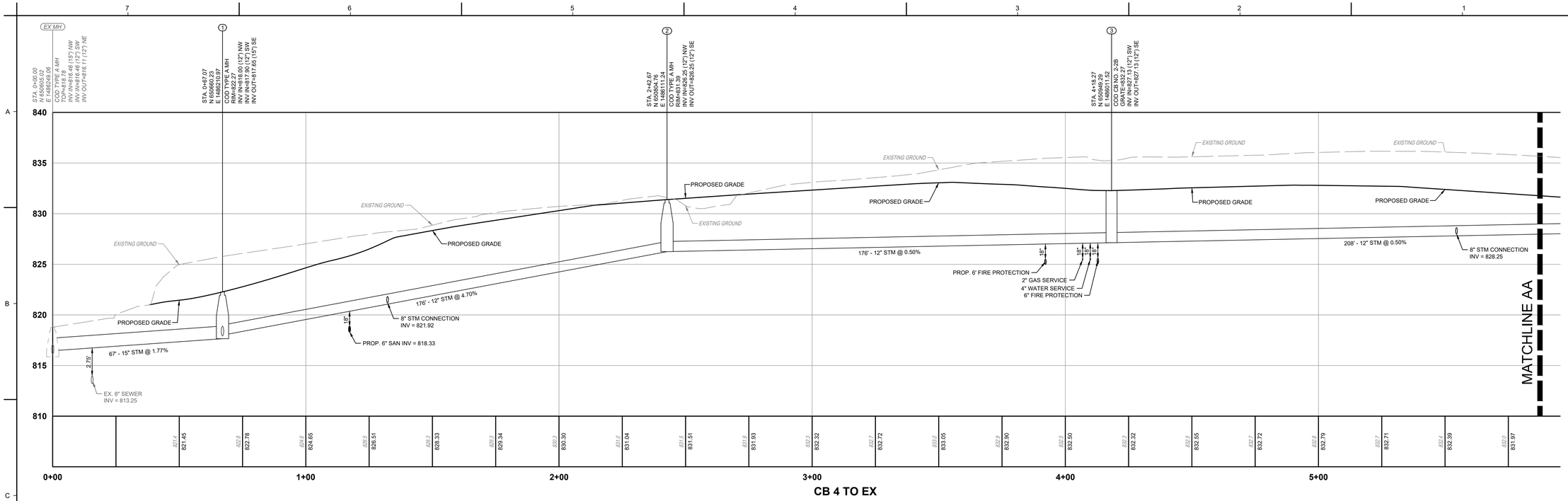
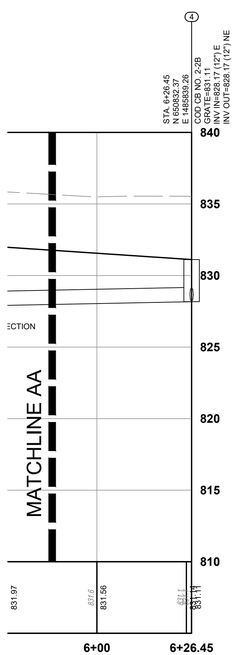
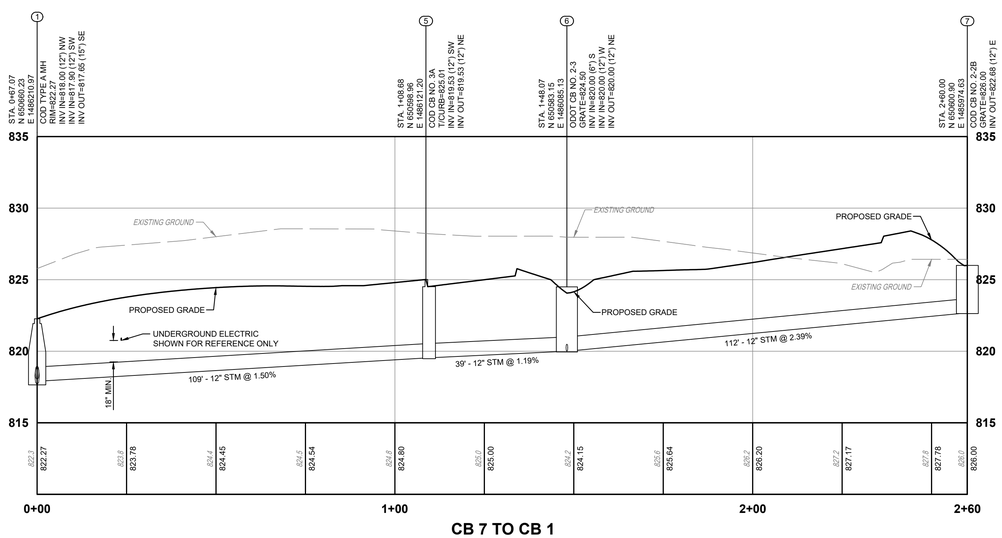


CB 4 TO EX

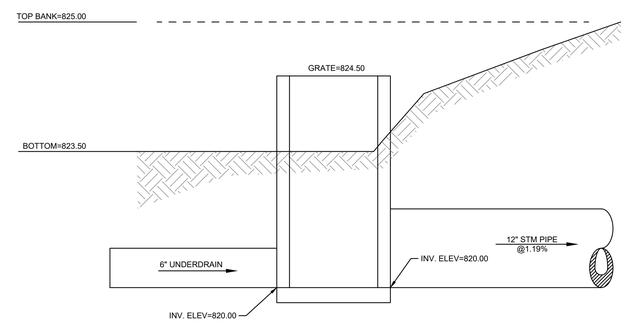




CB 7 TO CB 1

NOTES:

1. CONTRACTOR SHALL CONFIRM DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND REPORT ANY CONFLICTS TO THE DESIGN ENGINEER IMMEDIATELY. CONTRACTOR SHALL COORDINATE RESOLUTION OF ANY UNAVOIDABLE CONFLICT WITH THE APPROPRIATE UTILITY OWNER. CONTINGENCY FOR ANY LOWERING OR RELOCATION NEEDED SHALL BE ALLOTTED FOR IN THE BID PRICE FOR THE PROJECT.
2. CONTRACTOR TO ENSURE 18" MINIMUM VERTICAL CLEARANCE ON ALL UTILITY CROSSINGS UNLESS OTHERWISE NOTED.
3. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITIES WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.



OUTLET STRUCTURE 6 DETAIL
N.T.S.

PROPOSED POST CONSTRUCTION BMP INSPECTION AND MAINTENANCE SCHEDULE:

ACTIVITY	FREQUENCY
MOW EMBANKMENT. REDUCE MOWING FREQUENCY OF THE EMBANKMENTS TO A SINGLE MONTHLY MOWING AT A HEIGHT OF 6-8 INCHES DURING THE MONTHS OF MAY THROUGH SEPTEMBER. ELIMINATE ANY USE OF COMMERCIAL FERTILIZERS AND PESTICIDES IN FACILITY.	MONTHLY
MONITOR AND DOCUMENT ANY SEDIMENT ACCUMULATION IN THE FACILITY	MONTHLY
REPAIR UNDERCUT OR ERODED AREAS	MONTHLY
CLEAN OUT SUMP ON CB 6	QUARTERLY AND AFTER HEAVY RAIN EVENTS
DOCUMENT EROSION OF EMBANKMENT	SEMI-ANNUALLY
INSPECT DEWATERING DURATION	AFTER RAIN EVENTS OVER 1 IN
INSPECT EMBANKMENT FOR DAMAGE CAUSED BY EROSION	ANNUALLY
ENSURE THAT OUTLET DEVICES ARE FREE OF DEBRIS AND OPERATIONAL	ANNUALLY

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PROFILES

C109

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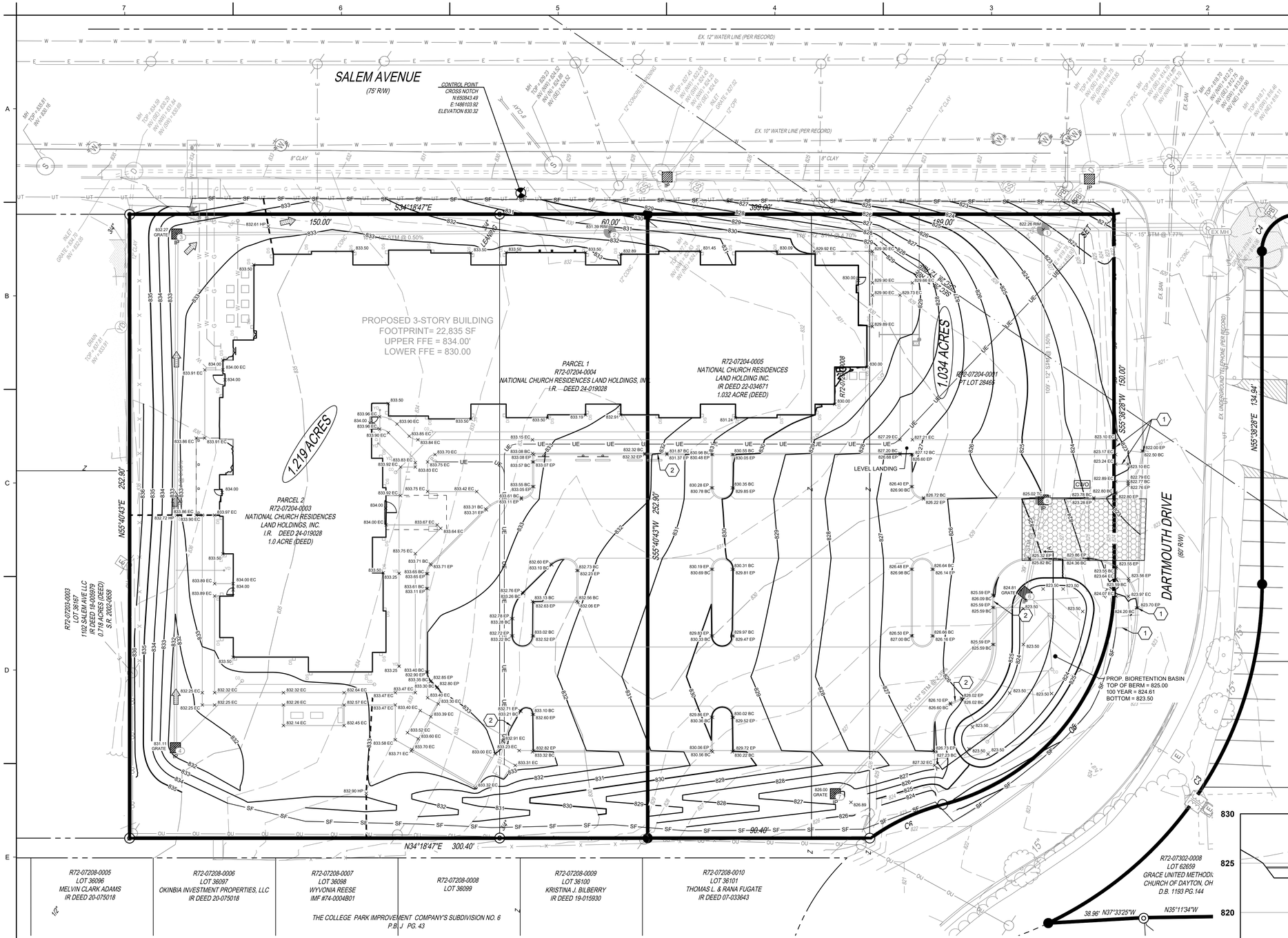

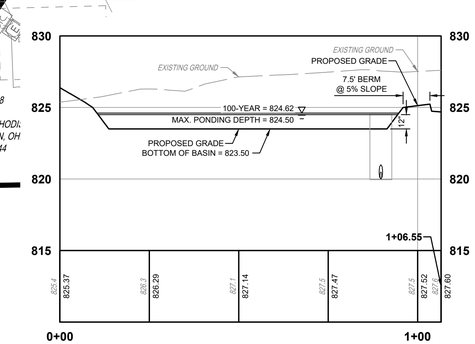

BIORETENTION BASIN SECTION AA

GRADING LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED SWALE
- 100-YEAR FLOOD ROUTE
- GRADE BREAK

PROPOSED EROSION CONTROL LEGEND

- IP — INLET PROTECTION
- SF — SILT FENCE
- CWO — CONCRETE WASHOUT
- 25' x 50' CONSTRUCTION ENTRANCE

SPOT ELEVATION LEGEND

- × 1215.00 — FINISHED GRADE ELEVATION
- × 1215.00 BC — BACK OF CURB ELEVATION
- × 1215.00 EC — EDGE OF CONCRETE ELEVATION
- × 1215.00 EP — EDGE OF PAVEMENT ELEVATION
- × 1215.00 EG — EDGE OF GRAVEL ELEVATION
- × 1215.00 RIM — MANHOLE / CLEANOUT RIM ELEVATION
- × 1215.00 TC — STORM INLET TOP OF CASTING ELEVATION
- × 1215.00 GRATE — CATCH BASIN GRATE ELEVATION

CODED NOTES

1. MATCH EXISTING ELEVATIONS
2. TRANSITION FROM RAISED TO FLUSH CURB

NOTES:

1. ALL BIORETENTION BASIN PREPARATION, SUBGRADE COMPACTION, LINING, ETC. SHALL BE PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
2. FINISHED GRADE FOR GREENSPACE ADJACENT TO THE BUILDING SHALL BE MINIMUM 6" BELOW THE FINISH FLOOR ELEVATION. CONCRETE WALKS AND PATIOS ADJACENT TO THE BUILDING SHALL BE CONSTRUCTED TO THE ELEVATION SPECIFIED.

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GRADING AND EROSION CONTROL PLAN

C110

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PROJECT DATA

PROJECT DESCRIPTION
BUILDING, PARKING AND STORM BIORETENTION FOR A REDEVELOPMENT PROJECT. THERE IS A NET REDUCTION IN IMPERVIOUS AS A RESULT OF THE DEVELOPMENT ACTIVITY.

LATITUDE:	N 39°46'27.18"
LONGITUDE:	W 84°13'0.82"
ESTIMATED CONSTRUCTION DATES:	FORTHCOMING
TOTAL SITE AREA:	2.25 ACRES
TOTAL DISTURBED AREA:	2.22 ACRES
EXISTING IMPERVIOUS AREA:	1.34 ACRES
PROPOSED IMPERVIOUS AREA:	1.26 ACRES
TOTAL IMPERVIOUS AREA AFTER CONSTRUCTION:	1.26 ACRES
DECREASE IN IMPERVIOUS AREA:	6%
PRE-CONSTRUCTION RUNOFF COEFFICIENT :	C=0.88
POST-CONSTRUCTION RUNOFF COEFFICIENT:	C=0.87
IMMEDIATE RECEIVING WATER/MS4:	TOWN OF OAKWOOD-GREAT MIAMI RIVER
ULTIMATE RECEIVING STREAM:	LOWER GREAT MIAMI, INDIANA, OHIO
EXISTING LAND USE:	COMMERCIAL & CHURCH /RELIGIOUS ASSEMBLY
SOILS:	MIAMIAN-URBAN LAND COMPLEX, UNDULATING

CONSTRUCTION SEQUENCE

THE PROPOSED INLET PROTECTION AND PERIMETER CONTROLS WILL PERFORM TEMPORARY SEDIMENT CONTROL AND STORAGE DURING THE PROPOSED CONSTRUCTION. WORK WILL GENERALLY PROCEED FROM DOWNSTREAM TO UPSTREAM IN THE WORK AREA. THE GENERAL CONSTRUCTION SEQUENCE IS AS FOLLOWS:

A. INSTALL CONSTRUCTION ENTRANCE, CONCRETE WASHOUT AREA, TREE PROTECTION, PERIMETER CONTROLS, AND INLET PROTECTION ON EXISTING STRUCTURES.
B. STRIP AND STOCKPILE TOPSOIL AND ANY UNSUITABLE MATERIAL THROUGH THE INCREMENTAL WORK AREA. MAINTAIN STOCKPILES WITH TEMPORARY SEEDING. INSTALL ALL TEMPORARY SEDIMENT CONTROLS WITHIN 24 HOURS FOLLOWING THE STRIPPING OPERATION.
D. PERFORM MASS GRADING FOR BUILDING PAD AND PAVED AREAS.
E. INSTALL SITE UTILITIES AND INLET PROTECTION ON NEW STORM STRUCTURES AS WORK PROGRESSES. ANY DISTURBED AREAS SHALL BE STABILIZED PER OEPA TEMPORARY AND PERMANENT STABILIZATION.
F. COMPLETE BUILDING CONSTRUCTION, INSTALL FINAL PAVING AND WALKS.
G. PROVIDE PERMANENT STABILIZATION FOR ANY DISTURBED AREAS AND REMOVE TEMPORARY SEDIMENT CONTROLS, PERIMETER CONTROLS, AND INLET PROTECTION.
H. MAINTAIN ANY POST CONSTRUCTION BMPS AS REQUIRED.

EMERGENCY ACTION & SPILL PREVENTION PLAN

THE SCOPE OF WORK COVERED BY THIS PLAN INCLUDES EMERGENCY RESPONSE TO SPILLS, CONTAINMENT OF SPILLED LIQUIDS, EMERGENCY NOTIFICATION NUMBERS, AND SOIL EXCAVATION FOR SPILL CLEAN-UP.

IN THE EVENT OF A SPILL EVENT THE EMPLOYEE SHALL ASSESS THE SPILL AND IMMEDIATELY NOTIFY THE SAFETY OFFICER AND SUPERVISOR IN CHARGE, OR OTHER INDIVIDUALS AS LISTED BELOW.

TITLE	NAME	PHONE NUMBER
SITE SUPERINTENDENT		
PROJECT ENGINEER	MIKE COUVREUR	614.918.2738

IMMEDIATELY AFTER NOTIFICATION, THE EMPLOYEE WILL BE DIRECTED BY THE SAFETY OFFICER, OR RESPONSIBLE PARTY TO START CONTAINMENT PROCEDURES TO PREVENT THE MATERIAL FROM REACHING THE STORM SEWERS, DRAINAGE DITCH, AND OTHER OUTLETS USING THE FOLLOWING ACTIONS OR ANY OTHER MEANS NECESSARY WITHOUT COMPROMISING WORKER SAFETY:

1) CLEAR PERSONNEL FROM THE SPILL AREA AND ROPE OFF AREA.
2) STOP THE SPILL.
3) USE SORBENT MATERIALS, PLUG PUTTY, OR HOLE PUTTY AS NECESSARY TO CONTROL THE SPILL AT THE SOURCE.
4) CONSTRUCT A TEMPORARY CONTAINMENT DIKE OF SORBENT MATERIALS OR DIRT TO CONTAIN SPILL.

SPILL KITS WILL BE LOCATED ON THE PROJECT AS DESIGNATED ON THE SWPPP PLAN.

UPON COMPLETION OF CONTAINMENT OPERATIONS, PROPER CLEAN-UP PROCEDURES WILL BE IMPLEMENTED IN ACCORDANCE WITH REGULATORY PROCEDURES.

IF THE SPILL EXCEEDS 25 GALLONS, THE FOLLOWING ORGANIZATIONS SHALL BE CONTACTED WITHIN 30 MINUTES OF THE INCIDENT:

EMERGENCY CONTACTS:

OHIO EPA EMERGENCY RESPONSE CENTER 800-282-9378 (24-HOUR PHONE NO.)

GENERAL NOTES

THE CONTRACTOR IS HEREBY ADVISED THAT STRICTER POLLUTION CONTROL STANDARDS AND ENFORCEMENT HAVE BEEN IMPOSED BY THE OHIO EPA SINCE MARCH 10, 2003 AND WITH REVISIONS IN APRIL 2018 AND IN APRIL 2023. ALSO, MANY PRIVATE CITIZEN ENVIRONMENTAL GROUPS, WHO HAVE BEEN KNOWN TO FILE CIVIL LEGAL ACTIONS, ARE PRESENT IN THE AREA AND OBSERVE ALL CONSTRUCTION OPERATIONS.

THE CONTRACTOR SHALL INFORM ALL SUBCONTRACTORS OF THE REQUIREMENTS AND RESPONSIBILITIES OF THE SWPPP AND SHALL DOCUMENT ALL SUCH NOTIFICATIONS AND/OR DISCUSSIONS.

THE CONTRACTOR WILL BE REQUIRED TO PARTICIPATE IN SEDIMENT AND EROSION CONTROL INSPECTIONS ON A WEEKLY BASIS AND SIGN AN APPROVED INSPECTION SHEET THAT SHALL BE KEPT ON FILE AT THE JOB SITE.

UNLESS OTHERWISE NOTED, STANDARDS AND SPECIFICATIONS ESTABLISHED IN THE LATEST EDITION OF THE OEPA "RAINWATER AND LAND DEVELOPMENT" HANDBOOK SHALL GOVERN THE EROSION AND SEDIMENT CONTROL INSTALLATIONS SPECIFIED ON THIS PLAN.

THIS PROJECT WILL INVOLVE SEVERAL CONSTRUCTION PHASES AND SEQUENCING THROUGHOUT ITS LIFETIME. IT IS VERY IMPORTANT THAT ALL TEMPORARY SEDIMENT AND EROSION CONTROL (S&EC) FIELD METHODS ALONG WITH THIS PLAN, ARE UPDATED TO REFLECT THE ACTUAL FIELD CONDITIONS, CURRENT WEATHER CONDITIONS AND SITE GRADE CHANGES. THE ENGINEER OR THE OHIO EPA CAN AND WILL MODIFY THIS PLAN AS NECESSARY.

THE CONTRACTOR WILL VOLUNTARILY SELF REPORT ANY POTENTIAL VIOLATIONS OF THE OEPA NPDES PERMIT TO THE ENGINEER AND THE OEPA.

THE CONTRACTOR SHALL REMOVE EXISTING GROUND COVER ONLY AS NECESSARY FOR THE PROJECT PHASE CURRENTLY UNDER CONSTRUCTION.

CONSTRUCTION AND DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED OF ACCORDING TO OHIO EPA REQUIREMENTS.

THE CONTRACTOR WILL BE REQUIRED TO BUILD SEDIMENT BASINS OR SEDIMENT TRAPS OR USE EQUAL METHODS TO DETAIN AND CLEAN WATER TO ACCEPTABLE EPA STANDARDS BEFORE RELEASING THE WATER BACK INTO THE STREAM.

THERE SHALL BE NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES. SEDIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE, PRIOR TO DISCHARGE.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.

ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH ALL LOCAL EROSION/SEDIMENT CONTROL, WASTE DISPOSAL, SANITARY AND HEALTH REGULATIONS.

OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND IMPLEMENTATION OF ADDITIONAL EROSION CONTROL ITEMS, AT THE ENGINEER'S DISCRETION.

NO SOIL, ROCK, DEBRIS OR OTHER MATERIAL SHALL BE DUMPED OR PLACED IN ANY AREAS NOT ADEQUATELY PROTECTED BY EROSION CONTROL INSTALLATIONS.

IT IS PREFERRED TO USE PERMANENT EROSION CONTROL ITEMS AS SHOWN IN THE PLANS TO CONTROL CONSTRUCTION POLLUTION WHEN POSSIBLE. OTHERWISE, THE TEMPORARY POLLUTION PREVENTION ITEMS ARE TO BE USED.

MOST TEMPORARY S&EC METHODS, INCLUDING BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS MAY ALL HAVE TO BE PERIODICALLY REMOVED AND REPLACED, OR MOVED FROM THE EXISTING ROAD DITCH OR STRIPPED AREAS AS WORK PROGRESSES. ANY CHANGES SHALL BE NOTED IN THE PLAN BY RED LINE AND DATED ON A CORRECTIVE ACTION LOG.

ALL TEMPORARY SEDIMENT CONTROLS AND STORM WATER QUALITY METHODS WILL BE BUILT/INSTALLED AS THE PROJECT PROGRESSES TO ELIMINATE UNNECESSARY DISTURBANCE AND REDUNDANCY. ALL TEMPORARY CONTROLS SHALL BE IN PLACE AND FUNCTIONING PROPERLY WHEN THREATENING WEATHER IS IMMINENT.

"TEMPORARY STABILIZATION" MEANS THE ESTABLISHMENT OF TEMPORARY VEGETATION, MULCHING, GEOTEXTILES, SOD, PRESERVATION OF EXISTING VEGETATION AND OTHER TECHNIQUES CAPABLE OF QUICKLY ESTABLISHING COVER OVER DISTURBED AREAS TO PROVIDE EROSION CONTROL BETWEEN CONSTRUCTION OPERATIONS.

"PERMANENT STABILIZATION" MEANS THE ESTABLISHMENT OF PERMANENT VEGETATION, DECORATIVE LANDSCAPE MULCHING, MATTING, SOD, RIP RAP AND LANDSCAPING TECHNIQUES TO PROVIDE PERMANENT EROSION CONTROL ON AREAS WHERE CONSTRUCTION OPERATIONS ARE COMPLETE OR WHERE NO FURTHER DISTURBANCE IS EXPECTED FOR AT LEAST A YEAR.

OFF-SITE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP.

STABILIZATION PRACTICES

PERMANENT SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000006. (SEE TABLE 1)

TABLE 1: PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

TEMPORARY SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000006. (SEE TABLE 2)

TABLE 2: TEMPORARY STABILIZATION

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITH 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

ALL TEMPORARY EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE REMOVED WHEN 70% VEGETATION HAS BEEN REACHED.

SEEDING & MULCHING

MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 14 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

MULCH SHALL CONSIST OF UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1000-SQ.-FT. SECTIONS AND PLACE TWO 45-LB. BALES OF STRAW IN EACH SECTION.

MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:

1) MECHANICAL-USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 IN.
2) MULCH NETTINGS-USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING SUGGESTIONS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
3) SYNTHETIC BINDERS-FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
4) WOOD CELLULOSE FIBER - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL. OF WOOD CELLULOSE FIBER.

TEMPORARY SEEDING & MULCHING FOR EROSION CONTROL

SEED TYPE	PER 1,000 SQ FT	PER ACRE
PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 POUND 1 POUND 1 POUND	40 POUNDS 40 POUNDS 40 POUNDS
SMALL GRAIN STRAW	90 POUNDS	2 TONS
FERTILIZER	6 POUNDS OF 10-10-10 OR 12-12-12	250 POUNDS OF 10-10-10 OR 12-12-12

NOTE: OTHER APPROVED SPECIES MAY BE SUBSTITUTED

STOCKPILE

SILT FENCING SHALL BE INSTALLED AROUND TEMPORARY SPOIL STOCKPILES. THESE STOCKPILES SHALL BE STRAW MULCHED AND/OR TEMPORARILY SEEDED WITHIN 7 WORKING DAYS IF LEFT DORMANT FOR 14 DAYS OR LONGER.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 2 DAYS OF THE LAST DISTURBANCE IF THE AREA IS WITHIN 50 FEET OF A STREAM, AND WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS MORE THAN 50 FEET AWAY FROM A STREAM. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE BASIN.

STABILIZATION TYPE	J	F	M	A	M	J	J	A	S	O	N	D
PERMANENT SEEDING			●	●	●	*	*	*	●	●		
DORMANT SEEDING	●	●	●							●	●	●
TEMPORARY SEEDING			●	●	●	*	*	*	●	●		
SODDING			**	**	**	**	**	**	**			
MULCHING	●	●	●	●	●	●	●	●	●	●	●	●

* IRRIGATION NEEDED
** IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SOD IS APPLIED

INSPECTIONS

ALL BMPS ON THIS SITE SHALL BE INSPECTED BY "QUALIFIED INSPECTION PERSONNEL" ASSIGNED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND BY THE END OF THE NEXT CALENDAR DAY, EXCLUDING WEEKENDS AND HOLIDAYS UNLESS WORK IS SCHEDULED, AFTER A RAIN EVENT OF 0.5 INCHES PER 24 HOUR PERIOD. A RECORD OF THESE INSPECTIONS SHALL BE MAINTAINED IN THE CONSTRUCTION OFFICE WITH THE SWPPP FOR PUBLIC VIEWING. ANY VIOLATIONS WILL BE REPORTED THROUGH THE PROJECT PERSONNEL. A RAIN GAUGE WILL BE LOCATED WITHIN THE PROJECT LIMITS.

FOLLOWING EACH INSPECTION, A CHECKLIST MUST BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. AT A MINIMUM, THE INSPECTION REPORT SHALL INCLUDE:

1. THE INSPECTION DATE;
2. NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION;
3. WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION ACTIVITY IF THE FIRST INSPECTION) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (IN INCHES), AND WHETHER ANY DISCHARGES OCCURRED;
4. WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION;
5. LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;
6. LOCATION(S) OF BMPS THAT NEED TO BE MAINTAINED;
7. LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION;
8. LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION; AND
9. CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES.

MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN, REPAIR, OR REPLACE ALL EROSION CONTROL INSTALLATIONS AS NEEDED TO ENSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL REPAIRS TO BMPS SHALL BE MADE WITHIN 3 DAYS (OR SOONER IF POSSIBLE) OF NOTIFICATION OF DEFICIENCIES. IF THE CORRECTIONS ARE NOT MADE WITHIN THE 3 DAY PERIOD, LIQUIDATED DAMAGES MAY BE ASSESSED AS PER THE ODOT CMS SECTION 108.07.

ONGOING INSPECTION OF INSTALLATIONS WILL BE PERFORMED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE.

ANY TRAPPED SEDIMENT OR DEBRIS REMOVED DURING CLEANING OF OR REMOVAL OF BMP INSTALLATIONS SHALL BE PLACED IN AREAS NOT SUBJECT TO EROSION AND PERMANENTLY STABILIZED.

DUST CONTROL

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

THE FOLLOWING SPECIFICATIONS FOR DUST CONTROL SHALL BE FOLLOWED ONSITE:

1. VEGETATIVE COVER AND/MULCH - APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING; PERMANENT SEEDING; MULCHING PRACTICES; AND TREE AND NATURAL AREA PROTECTION PRACTICES.
2. WATERING - SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS SHALL BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
3. SPRAY-ON ADHESIVES - APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS.

ADHESIVE	WATER DILUTION (ADHESIVE: WATER)	NOZZLE TYPE	APPLICATION RATE (GAL/AC)
LATEX EMULSION	12.5:1	FINE	235
RESIN IN WATER ACRYLIC EMULSION (NO TRAFFIC)	4:1	FINE	300
ACRYLIC EMULSION (NO TRAFFIC)	7:1	COARSE	450
ACRYLIC EMULSION (TRAFFIC)	3.5:1	COARSE	350

PERMITTEE

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NO.	DATE	REVISION

JOB NO. :	2025-21 TKG NO. 210508.004
PHASE :	CONSTRUCTION DOCUMENTS
ISSUED FOR :	80% BID SET
DATE :	01/14/2026

EROSION CONTROL NOTES

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SPILL PREVENTION

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
6. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS:

1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL. ALL SPILLS, WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORTED TO THE OHIO EPA'S HOTLINE.
5. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF).
6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FUEL STORAGE TANKS SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIKED AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.

FERTILIZERS

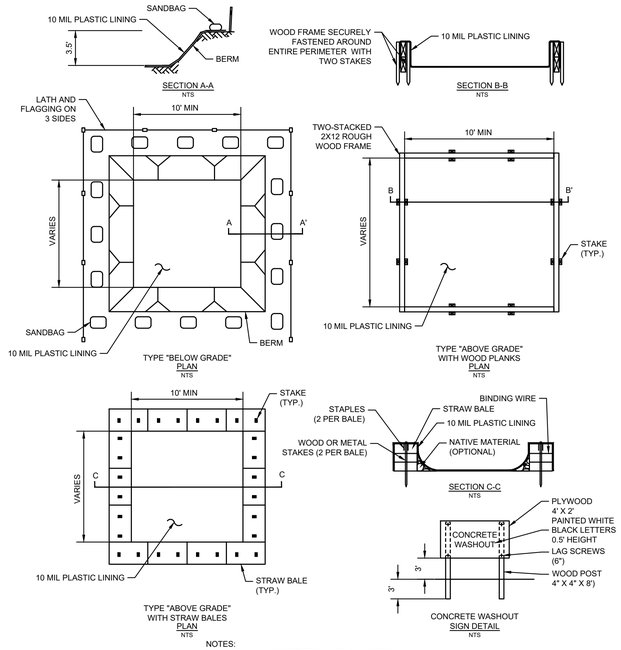
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE WASH WATER/WASH OUTS

CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED ON THE LOT AWAY FROM ANY WATER CONVEYANCES.



NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

CONCRETE WASHOUT DETAIL
N.T.S.

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NO.	DATE	REVISION

JOB NO. : 2025-21
TKG NO. 210508.004
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 01/14/2026

EROSION CONTROL DETAILS

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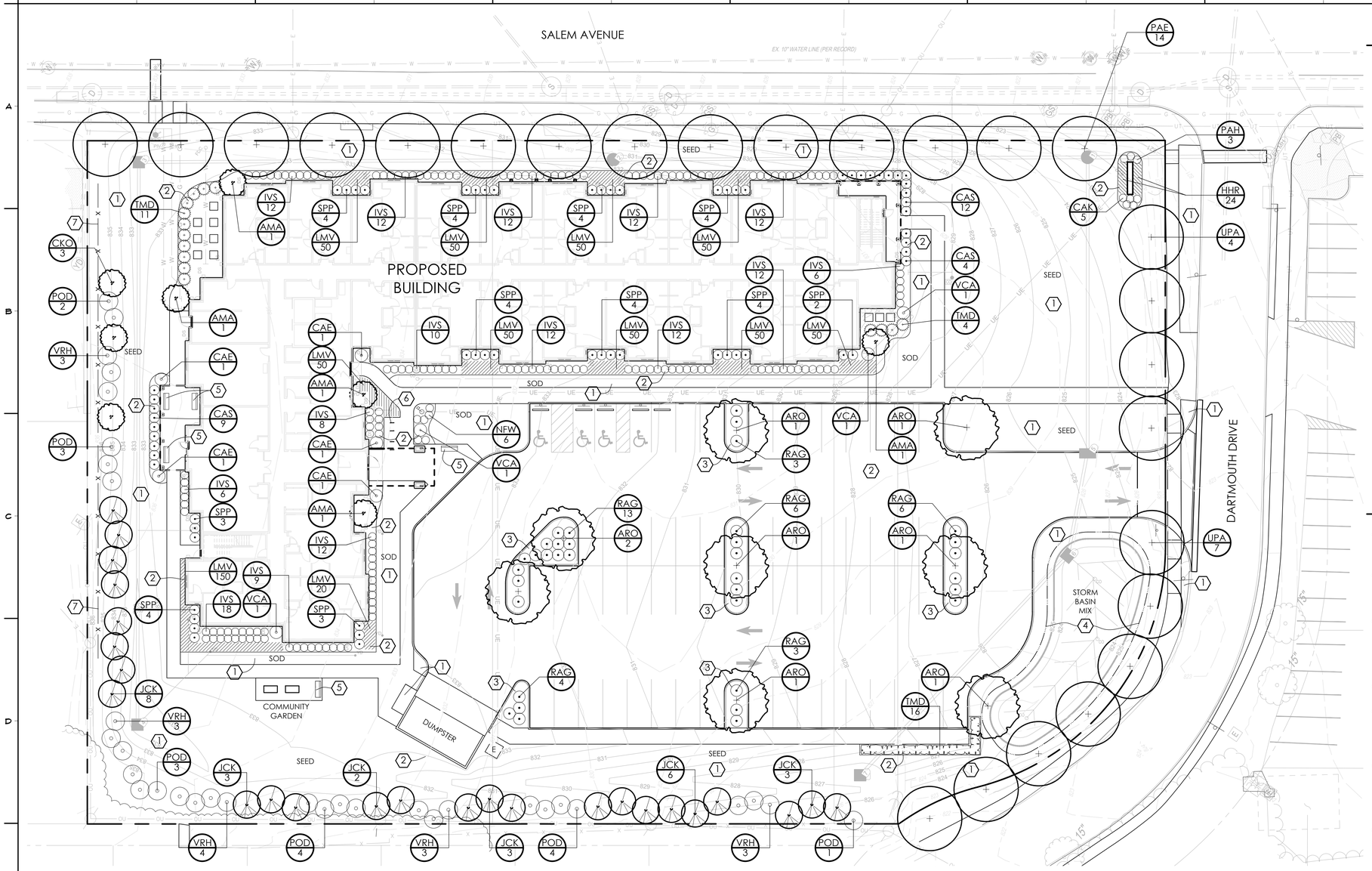

GENERAL NOTES - LANDSCAPE PLANTING

1. EACH CONTRACTOR IS TO VERIFY WITH OWNER AND UTILITY COMPANIES THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION, TO DETERMINE IN THE FIELD THE ACTUAL LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL CALL UTILITY PROTECTION SERVICE 72 HOURS PRIOR TO CONSTRUCTION.

2. EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.

3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL WORK IN A MANNER THAT PROTECTS COMPLETED WORK BY OTHERS, SUCH AS CURBS, UTILITIES, STORM DRAINAGE, FENCES, DRIVEWAY APRONS, DRIVES, VEGETATION, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF SATISFACTORY REPAIR OF ALL DAMAGE IN KIND RESULTING FROM HIS FAILURE TO COMPLY.

4. ALL PLANTING OPERATIONS SHALL ADHERE TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1) 2014. CONTRACTOR IS RESPONSIBLE FOR ALL PLANT QUANTITIES SHOWN ON THE PLANS

5. QUANTITIES OF PLANTS AS SHOWN BY PLANT SYMBOLS ON THE PLAN SHALL GOVERN OVER THE QUANTITIES SHOWN IN THE PLANT LIST. THE CONTRACTOR IS TO VERIFY PLANT LIST TOTALS WITH QUANTITIES SHOWN ON PLAN. THE LANDSCAPE ARCHITECT SHALL BE ALERTED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO FINAL BID NEGOTIATION.

6. ALL WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, ORDINANCES AND REQUIREMENTS.

7. NO SUBSTITUTIONS OF PRODUCTS, PLANT TYPES OR SIZES SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE OWNER AND LANDSCAPE ARCHITECT.

8. FINISHED PLANTING BEDS SHALL BE GRADED SO AS NOT TO IMPEDE DRAINAGE AWAY FROM BUILDINGS.

9. ACCEPTABLE TOPSOIL SHALL BE A FERTILE, FRIABLE NATURAL LOAM, UNIFORM IN COMPOSITION, FREE OF STONES, LIMBS, PLANTS AND THEIR ROOTS, DEBRIS AND OTHER EXTRANEOUS MATTER OVER 1 INCH IN DIAMETER. THE SOIL SHALL BE CAPABLE OF SUSTAINED PLANT GROWTH AND HAVE A 5% MINIMUM ORGANIC CONTENT.

SITE LANDSCAPING : CONSTRUCTION NOTES

1. NEW LAWN AREA. PROVIDE TOPSOIL ON TOP 4" (MIN.) MEETING ADJACENT SURFACES FLUSH. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES. SEED WITH TURF-TYPE TALL FESCUE SEED MIX.

2. LANDSCAPE AREA PROVIDE MINIMUM DEPTH OF 18" TOPSOIL. HOLD TOP OF SOIL DOWN 3" FROM TOP OF CURB AND/OR ADJACENT PAVEMENT TO ALLOW FOR INSTALLATION OF MULCH. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES.

3. PARKING ISLAND WITH MINERAL MULCH (STONE). HOLD TOP OF SOIL DOWN 3" FROM TOP OF CURB AND/OR ADJACENT PAVEMENT TO ALLOW FOR INSTALLATION OF STONE. PLACE LOCAL 1"-3" DIA. ROUNDS AT 4" (MIN.) DEPTH OVER WEED FABRIC TO LIMITS OF ISLAND. SUBMIT SAMPLES OF STONE TO OWNER'S REP FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

4. STORM WATER BASIN MIX - SEE PLANT SCHEDULE AND OVERSEEDING NOTES ON SHEET L1.02.

5. 6' BACKED BENCH W/ END ARMS.
MANUFACTURER: LANDSCAPE FORMS, INC.
MODEL: NEOLIVIANO 69" BACKED W/ ARMS
BENCH TO BE SURFACE-MOUNTED TO CONCRETE PAVEMENT PER MANUFACTURER'S INSTRUCTIONS.

6. BICYCLE RACK (TYP. OF 5)
MANUFACTURER: KEYSTONE RIDGE, OR APPROVED EQUAL
MODEL: SN01-3
COLOR: POWDERCOAT BRONZE
BICYCLE RACK TO BE EMBED IN CONCRETE PAVEMENT PER MANUFACTURER'S INSTRUCTIONS.

7. 4' HGT. VINYL FENCE. SEE DETAIL #4/L1.02.

LANDSCAPE CODE SUMMARY

CODE SECTION	REQUIRED	PROVIDED
150.800.5 - Landscaping Requirements Along Street Frontages	(A)(2) One tree shall be provided for every thirty (30) linear feet of frontage, or fraction thereof, along each road. Deviations from the regular placement of trees (but not the total number of trees required) may be approved by the Zoning Administrator based upon site constraints Salem Ave. = 398 LF of frontage / 30 = 13.3 or 14 trees Dartmouth Dr. = 304 LF of frontage / 30 = 10.13 or 11 trees	Salem trees provided = 14 Dartmouth trees provided = 11
150.800.9 - Screening and Landscaping of Parking Lots	(A)(1) For any parking area designed to accommodate twenty-five (25) or more vehicles, a min of 5% of the parking lot shall be planted as landscape island area. Parking lot = 25,216 @ 5% = 1,260 SF required.	Landscape Islands = 1,821 SF = 7.2%
	(A)(1)(c) Within the landscaped islands, one (1) shade tree shall be provided for every ten (10) parking spaces. 62 spaces / 10 = 6.2 or 7 trees	8 trees provided
	(B) When surface off-street parking consisting of five (5) or more spaces is adjacent to a residential district or located across a dedicated street or alley from a residential district, effective screening shall be provided to protect the privacy of the adjoining residential uses. This screening shall be a combination of ornamental fencing or a brick wall and/or landscaping such that a solid, continuous visual screen is provided. When landscaping is solely utilized or utilized in combination with ornamental fencing, trees and/or shrubs shall have a minimum height of three (3) feet and be adequately spaced to form a solid, continuous visual screen within three (3) years after the initial installation	Dense Yew evergreen hedge provided along southwest corner of parking lot. Plants specified at 24"-30" Hgt. Hedge to have a three (3) foot hgt. within three (3) years under typical growing conditions. Remaining parking lot is screened with buffer planting along property line.

CODE SECTION	REQUIRED	PROVIDED
150.800.8(D) - Screening of Accessory Uses	Permitted accessory loading areas, service areas, outdoor storage of goods, supplies, equipment or vehicles used in the operation of an establishment, where permitted, shall be enclosed with a solid fence or wall, including solid gates. The wall or fence shall have a height tall enough to conceal all operations and materials therein from the view of any observer standing at the grade level of an abutting lot or a public street. Screening shall be a minimum of six (6) feet in height placed so as to be effective screening from any adjacent streets and any adjoining properties.	8' hgt. opaque masonry dumpster enclosure with gates in compliance with 150.800.8(d)

PRELIMINARY
NOT FOR CONSTRUCTION

0' 10' 20' 40'
NORTH

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2245 North Bank Drive
Columbus, Ohio 43220

NO.	DATE	REVISION

JOB NO. : 2025-21
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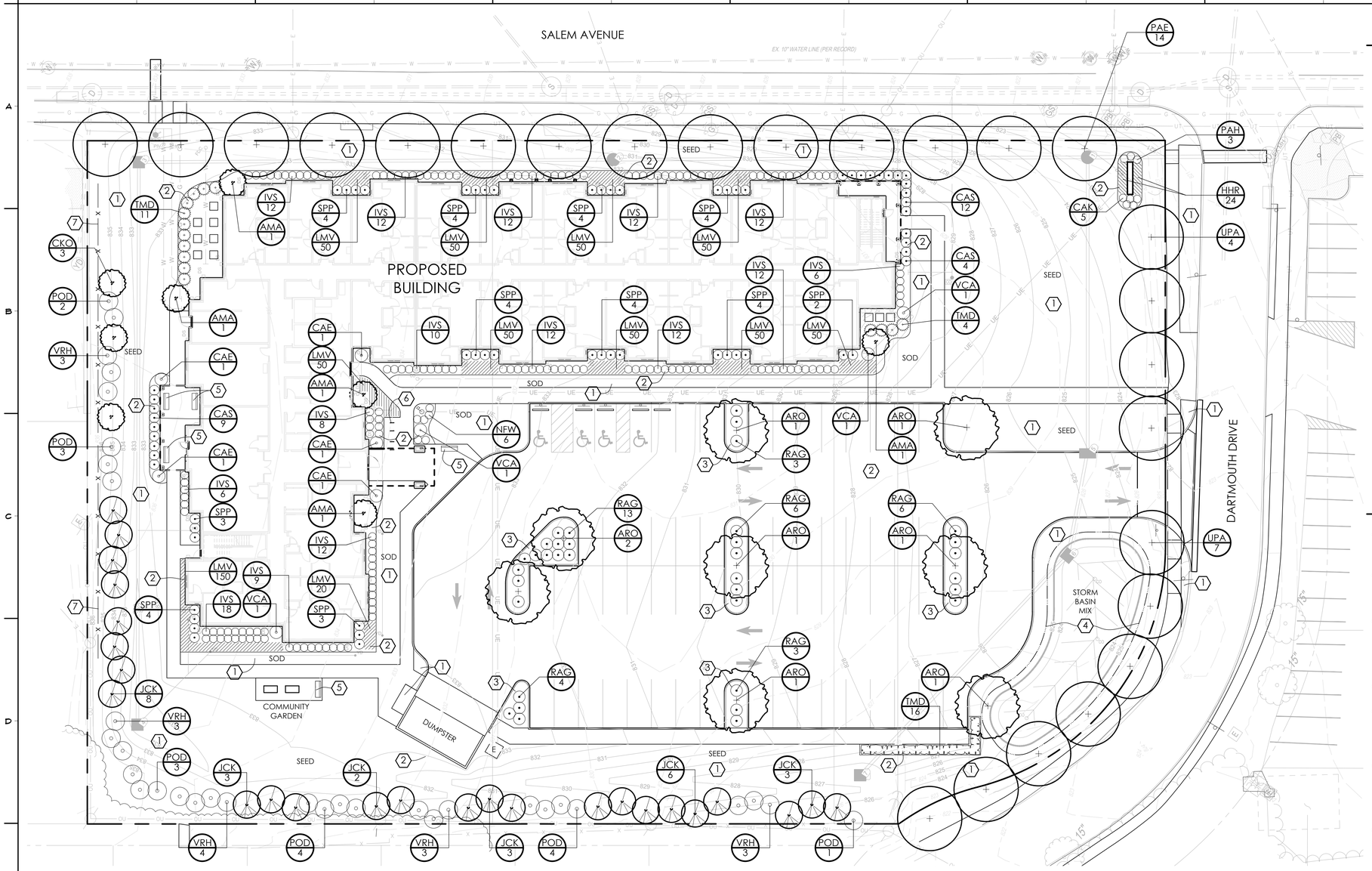
PLANTING PLAN

L1.01



GENERAL NOTES - LANDSCAPE PLANTING

1. EACH CONTRACTOR IS TO VERIFY WITH OWNER AND UTILITY COMPANIES THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION, TO DETERMINE IN THE FIELD THE ACTUAL LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL CALL UTILITY PROTECTION SERVICE 72 HOURS PRIOR TO CONSTRUCTION.

2. EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.

3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL WORK IN A MANNER THAT PROTECTS COMPLETED WORK BY OTHERS, SUCH AS CURBS, UTILITIES, STORM DRAINAGE, FENCES, DRIVEWAY APRONS, DRIVES, VEGETATION, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF SATISFACTORY REPAIR OF ALL DAMAGE IN KIND RESULTING FROM HIS FAILURE TO COMPLY.

4. ALL PLANTING OPERATIONS SHALL ADHERE TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1) 2014. CONTRACTOR IS RESPONSIBLE FOR ALL PLANT QUANTITIES SHOWN ON THE PLANS

5. QUANTITIES OF PLANTS AS SHOWN BY PLANT SYMBOLS ON THE PLAN SHALL GOVERN OVER THE QUANTITIES SHOWN IN THE PLANT LIST. THE CONTRACTOR IS TO VERIFY PLANT LIST TOTALS WITH QUANTITIES SHOWN ON PLAN. THE LANDSCAPE ARCHITECT SHALL BE ALERTED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO FINAL BID NEGOTIATION.

6. ALL WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, ORDINANCES AND REQUIREMENTS.

7. NO SUBSTITUTIONS OF PRODUCTS, PLANT TYPES OR SIZES SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE OWNER AND LANDSCAPE ARCHITECT.

8. FINISHED PLANTING BEDS SHALL BE GRADED SO AS NOT TO IMPEDE DRAINAGE AWAY FROM BUILDINGS.

9. ACCEPTABLE TOPSOIL SHALL BE A FERTILE, FRIABLE NATURAL LOAM, UNIFORM IN COMPOSITION, FREE OF STONES, LIMBS, PLANTS AND THEIR ROOTS, DEBRIS AND OTHER EXTRANEOUS MATTER OVER 1 INCH IN DIAMETER. THE SOIL SHALL BE CAPABLE OF SUSTAINED PLANT GROWTH AND HAVE A 5% MINIMUM ORGANIC CONTENT.

SITE LANDSCAPING : CONSTRUCTION NOTES

1. NEW LAWN AREA. PROVIDE TOPSOIL ON TOP 4" (MIN.) MEETING ADJACENT SURFACES FLUSH. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES. SEED WITH TURF-TYPE TALL FESCUE SEED MIX.

2. LANDSCAPE AREA PROVIDE MINIMUM DEPTH OF 18" TOPSOIL. HOLD TOP OF SOIL DOWN 3" FROM TOP OF CURB AND/OR ADJACENT PAVEMENT TO ALLOW FOR INSTALLATION OF MULCH. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES.

3. PARKING ISLAND WITH MINERAL MULCH (STONE). HOLD TOP OF SOIL DOWN 3" FROM TOP OF CURB AND/OR ADJACENT PAVEMENT TO ALLOW FOR INSTALLATION OF STONE. PLACE LOCAL 1"-3" DIA. ROUNDS AT 4" (MIN.) DEPTH OVER WEED FABRIC TO LIMITS OF ISLAND. SUBMIT SAMPLES OF STONE TO OWNER'S REP FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

4. STORM WATER BASIN MIX - SEE PLANT SCHEDULE AND OVERSEEDING NOTES ON SHEET L1.02.

5. 6' BACKED BENCH W/ END ARMS.
MANUFACTURER: LANDSCAPE FORMS, INC.
MODEL: NEOLIVIANO 69" BACKED W/ ARMS
BENCH TO BE SURFACE-MOUNTED TO CONCRETE PAVEMENT PER MANUFACTURER'S INSTRUCTIONS.

6. BICYCLE RACK (TYP. OF 5)
MANUFACTURER: KEYSTONE RIDGE, OR APPROVED EQUAL
MODEL: SN01-3
COLOR: POWDERCOAT BRONZE
BICYCLE RACK TO BE EMBED IN CONCRETE PAVEMENT PER MANUFACTURER'S INSTRUCTIONS.

7. 4' HGT. VINYL FENCE. SEE DETAIL #4/L1.02.

LANDSCAPE CODE SUMMARY

CODE SECTION	REQUIRED	PROVIDED
150.800.5 - Landscaping Requirements Along Street Frontages	(A)(2) One tree shall be provided for every thirty (30) linear feet of frontage, or fraction thereof, along each road. Deviations from the regular placement of trees (but not the total number of trees required) may be approved by the Zoning Administrator based upon site constraints Salem Ave. = 398 LF of frontage / 30 = 13.3 or 14 trees Dartmouth Dr. = 304 LF of frontage / 30 = 10.13 or 11 trees	Salem trees provided = 14 Dartmouth trees provided = 11
150.800.9 - Screening and Landscaping of Parking Lots	(A)(1) For any parking area designed to accommodate twenty-five (25) or more vehicles, a min of 5% of the parking lot shall be planted as landscape island area. Parking lot = 25,216 @ 5% = 1,260 SF required.	Landscape Islands = 1,821 SF = 7.2%
	(A)(1)(c) Within the landscaped islands, one (1) shade tree shall be provided for every ten (10) parking spaces. 62 spaces / 10 = 6.2 or 7 trees	8 trees provided
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CODE SECTION	REQUIRED	PROVIDED
150.800.8(D) - Screening of Accessory Uses	Permitted accessory loading areas, service areas, outdoor storage of goods, supplies, equipment or vehicles used in the operation of an establishment, where permitted, shall be enclosed with a solid fence or wall, including solid gates. The wall or fence shall have a height tall enough to conceal all operations and materials therein from the view of any observer standing at the grade level of an abutting lot or a public street. Screening shall be a minimum of six (6) feet in height placed so as to be effective screening from any adjacent streets and any adjoining properties.	8' hgt. opaque masonry dumpster enclosure with gates in compliance with 150.800.8(d)

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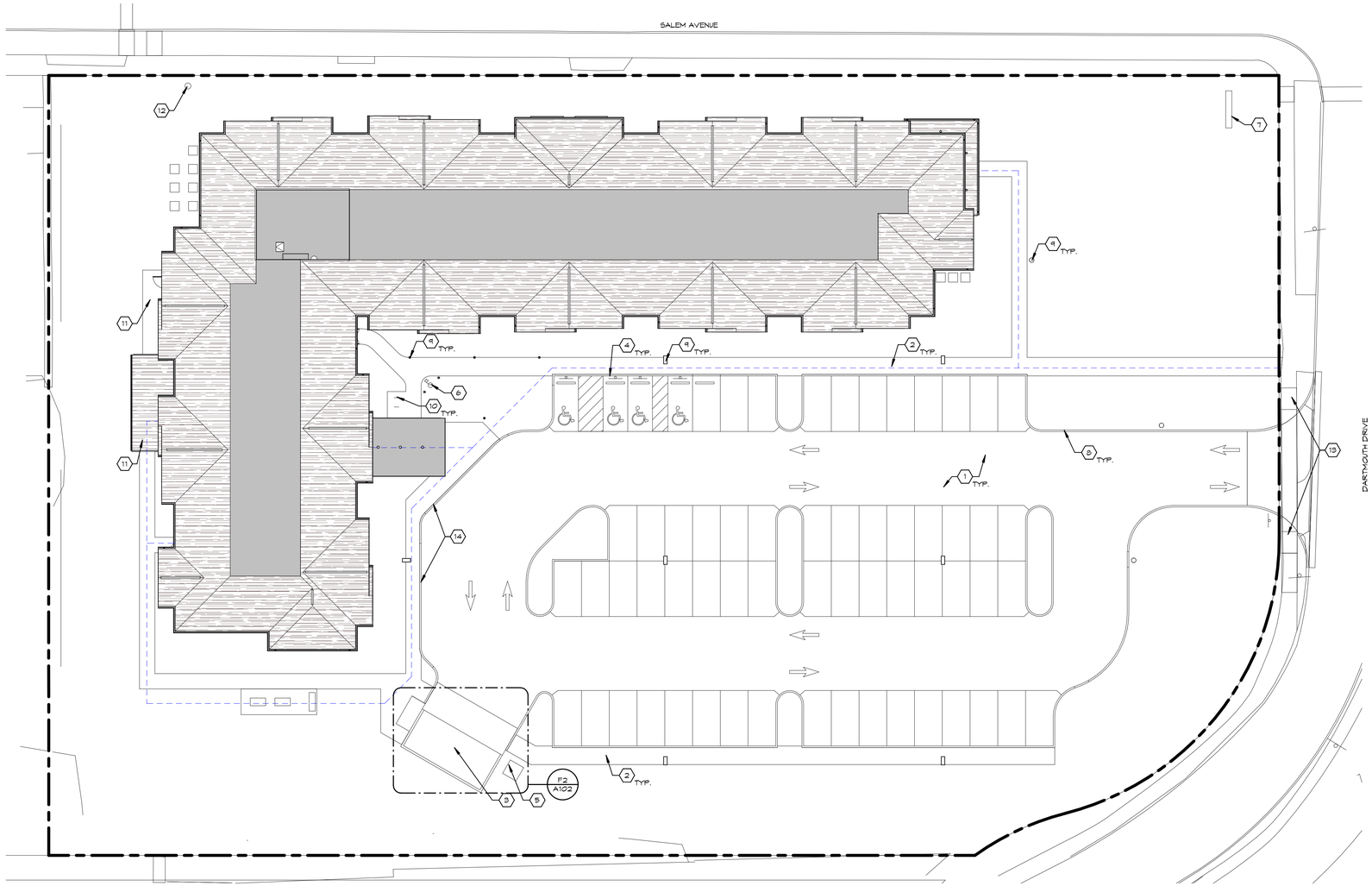
PLANTING PLAN

L1.01



F3 SITE PLAN
1" = 20'-0"

GENERAL SITE PLAN NOTES:

A. REFER TO CIVIL AND MEP DRAWINGS FOR MORE INFO. REGARDING SITE UTILITIES, DRAINAGE, SITE LIGHTING, ETC.

B. PREP AREA TO RECEIVE NEW LANDSCAPING. SEE LANDSCAPE PLANS FOR MORE INFORMATION.

C. ACCESSIBLE PATH OF TRAVEL TO PUBLIC RIGHT OF WAY REPRESENTED BY - - - - - - . SEE CIVIL DWGS FOR MORE INFO.

SITE PLAN CODED NOTES: (X)

1. NEW ASPHALT DRIVEWAY. SEE CIVIL DWGS. FOR MORE INFO.
2. SIDEWALK. SEE CIVIL DRAWINGS.
3. DUMPSTER BY OWNER. SEE DUMPSTER ENCLOSURE DETAILS ON SHEET ***A102***.
4. PROVIDE NEW ADA ACCESSIBLE VEHICLE SIGNAGE. SEE CIVIL DWGS.
5. ELECTRICAL TRANSFORMER ON CONCRETE PAD. COORDINATE EXACT SIZING AND LOCATION WITH CIVIL, MECHANICAL, LIGHTING AND ELECTRICAL DWGS.
6. FLAGPOLE. SEE LANDSCAPE DWGS.
7. MONUMENT SIGNAGE. SEE C5 / A102 FOR MORE INFO.
8. NEW EXTRUDED CONCRETE CURB. SEE CIVIL DRAWINGS.
9. NEW SITE LIGHTING FIXTURES, POLE AND CONCRETE BASE AS INDICATED ON ELEC. DWGS.
10. BIKE RACKS. SEE LANDSCAPE DWGS. FOR MORE INO.
11. NEW 4" CONCRETE PATIO ON 6" GRAVEL BASE. PROVIDE CONTROL JOINTS - SEE CIVIL AND STRUC. DWGS.
12. FIRE DEPARTMENT CONNECTION. SEE CIVIL AND MEP DWGS. FOR MORE INFORMATION.
13. PROVIDE DEPRESSED ADAAG COMPLAINT CURB RAMP AT WALK EDGE TO ALIGN WITH STRIPED PEDESTRIAN WALK ZONE FROM PARKING. 6" CHANGE IN GRADE REQUIRES 1:12 SLOPE RUN = 6'-0" MIN. REWORK WALK AND CURB AS REQUIRED.
14. FLUSH AND ALIGN NEW CONCRETE SIDEWALK WITH ASPHALT PAVEMENT. SEE CIVIL DWGS. FOR MORE INFO.

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OVERALL SITE PLAN

A101

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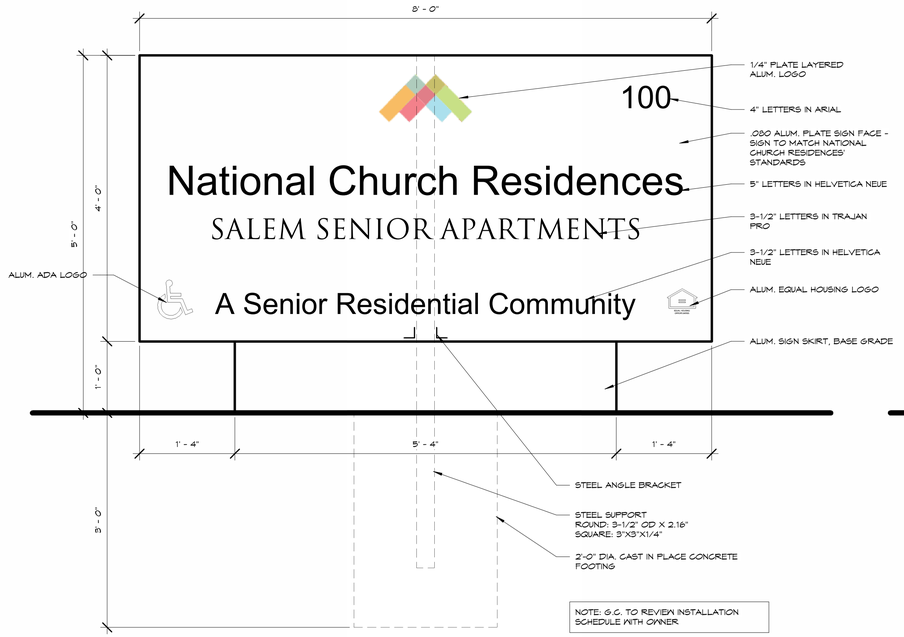
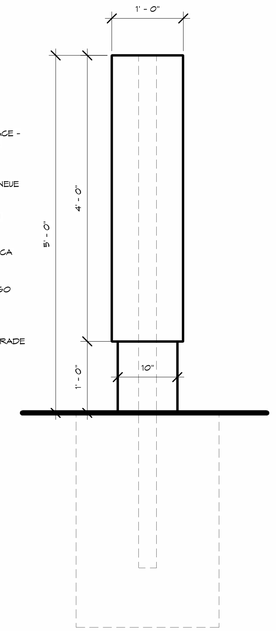


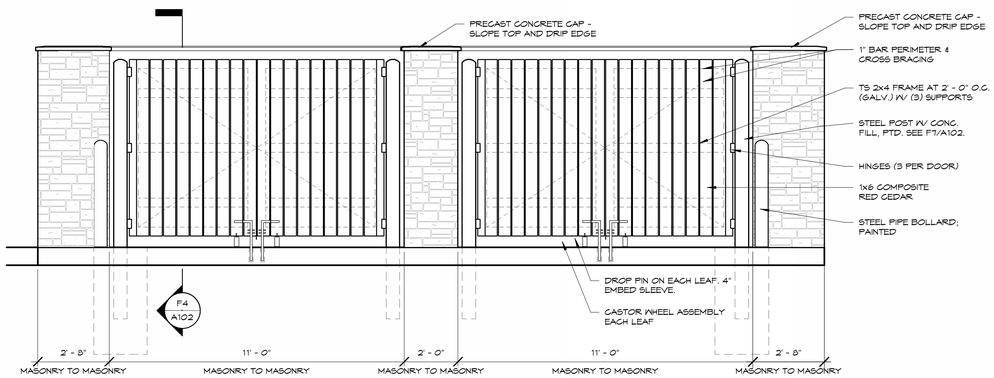
FRONT ELEVATION



SIDE ELEVATION

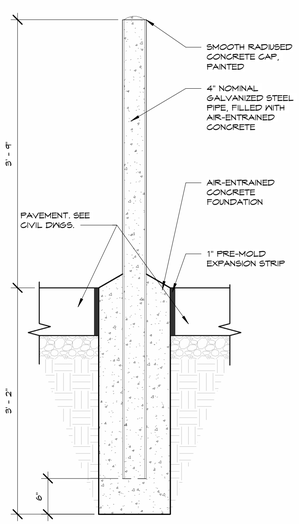
C5 MONUMENT SIGN ELEVATION

1" = 1'-0"



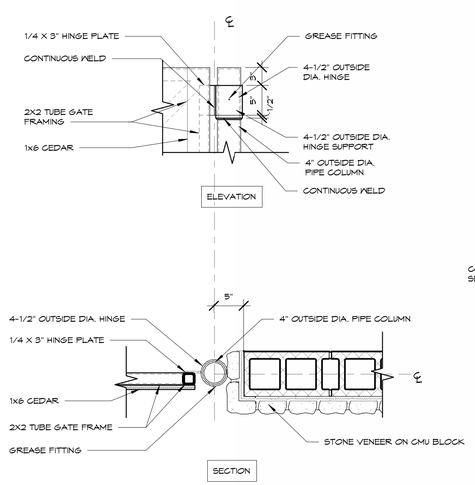
C2 DUMPSTER ENCLOSURE ELEVATION

3/8" = 1'-0" REF. SHEET: F2 / A102



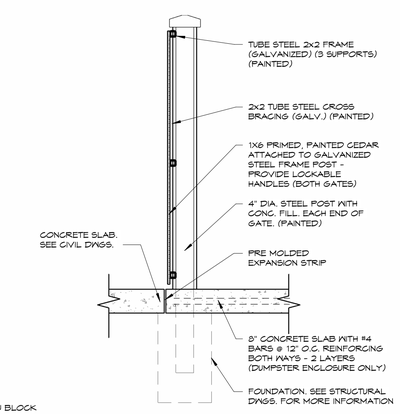
F7 TYPICAL BOLLARD DETAIL

1" = 1'-0"



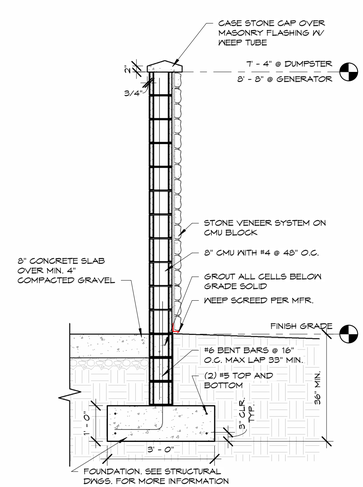
F6 DUMPSTER GATE POST DETAIL

1" = 1'-0"



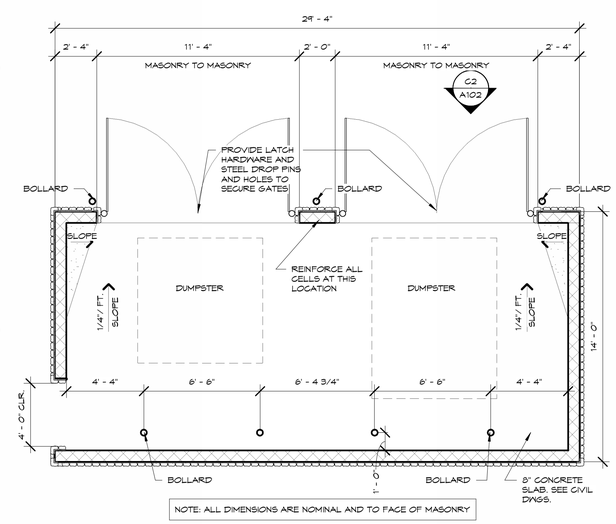
F4 DUMPSTER GATE SECTION

1/2" = 1'-0" REF. SHEET: C2 / A102



F3 WALL SECTION

1/2" = 1'-0"



F2 ENLARGED DUMPSTER ENCLOSURE PLAN

1/4" = 1'-0" REF. SHEET: F3 / A101

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SITE DETAILS

A102

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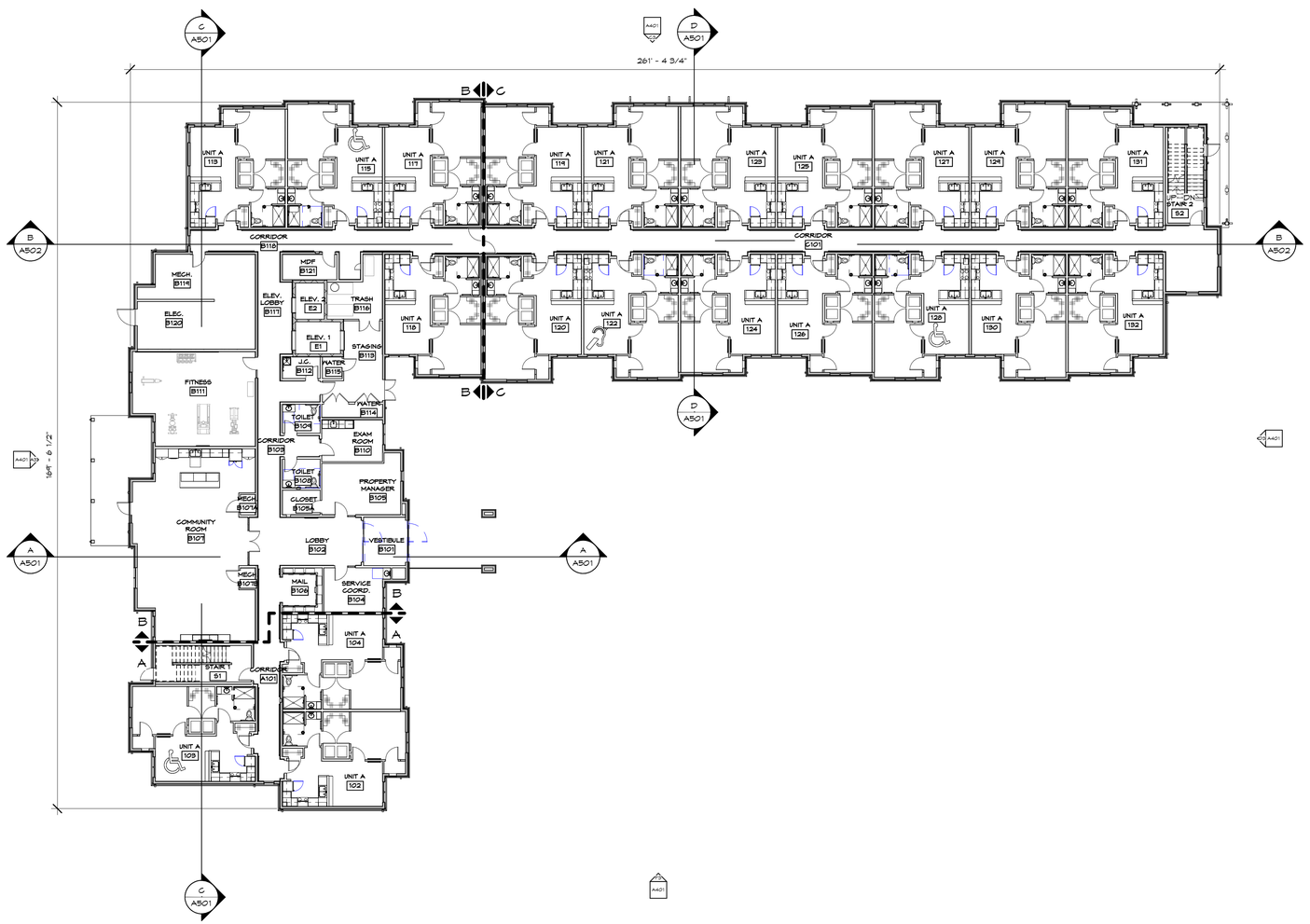


F3 OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"

GENERAL PLAN NOTES:

A. ALL INTERIOR DIMENSIONS SHOWN ARE FROM FACE OF STUD, FACE OF MASONRY OR FINISH FACE OF EXISTING WALLS, UNLESS OTHERWISE NOTED. ALL EXTERIOR DIMENSIONS ARE FROM STUD, MASONRY OR CONCRETE UNLESS OTHERWISE NOTED. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.

B. DRAWINGS SHALL NOT BE SCALED. THE SCALE OF ALL DRAWINGS IS SUBJECT TO CONFIRMATION.

C. DASHED LINES ON NEW FLOOR PLANS INDICATE ITEMS ABOVE FLOOR, SUCH AS SOFFIT FACES, CASEWORK, ETC.

D. ALL FIRE RATED PARTITIONS TO EXTEND FULL HEIGHT TO UNDERSIDE OF STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.

E. SEE FINISH SCHEDULE, INTERIOR ELEVATIONS AND REFLECTED CEILING PLANS FOR INFORMATION ON WALL FINISHES, FLOOR MATERIALS AND CEILING FINISH.

F. UNLESS OTHERWISE NOTED, ALL COVER PLATES, SWITCH PLATES, DATA CONNECTIONS, REGISTERS, GRILLES, ETC. ARE TO BE WHITE.

G. PAINT ALL HOLLOW METAL DOORS AND FRAMES, ELECTRICAL PANELS, ACCESS PANELS, MISC. TRIM, ETC. EXPOSED TO VIEW.

H. SEE DOOR SCHEDULE FOR INFORMATION ON DOOR SIZES, TYPES, FRAMES AND HARDWARE SETS.

I. CONTRACTOR TO INSTALL SOLID BLOCKING FOR ALL TOILET ACCESSORIES, CABINETS, HANDRAILS, SPECIALTY ITEMS, ETC.

J. ALL EXTERIOR WALL ARE 1 HR. F.R.R. PER THE CONSTRUCTION TYPE. SEE CODE SUMMARIES, FIRE AREA PLANS, SECTIONS AND DETAILS FOR MORE INFORMATION.

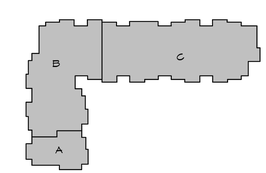
K. POCHED WALLS INDICATE 1 HR. F.R.R. LOAD BEARING WALLS. SEE WALL TYPE SCHEDULE AND STRUCTURAL DWGS. FOR MORE INFORMATION.

L. REFER TO UNIT PLANS FOR MORE INFORMATION ON EACH UNIT TYPE.

M. FIRE BLOCKING SHALL BE INSTALLED AT "CONCEALED" EXTERIOR COMBUSTIBLE SOFFITS, MAXIMUM 20 FT. SPACING (NOT TO EXCEED 100 SQ. FT.) PER OBC SECTION 718.2.6 OR EQUIVALENT IBC SECTION.

N. BUILDING PAPER WRAP TO BE TYVEK COMMERCIAL WRAP BY DUPONT OR EQUAL. INSTALL HORIZONTALLY OVERLAPPING AND TAPING SEAMS PER MANUFACTURER'S INSTRUCTIONS. COMPLY WITH ASTM E1677, TYPE 1 AIR RETARDER WITH FLAME SPREAD AND SMOKE DEVELOPED INDEXES OF LESS THAN 25 AND 450 RESPECTIVELY WHEN TESTED ACCORDING TO ASTM E84.

P. PROVIDE CLASS A FIRE RATED, FIBER BATT INSULATION IN EXTERIOR WALLS. MINIMUM R-20 BATT WITH VAPOR BARRIER ON WARM SIDE OF WALL. INSULATE ALL BOX METAL STUD HEADERS FOR CONTINUOUS THERMAL BARRIER.



KEY PLAN
N.T.S

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OVERALL FIRST FLOOR PLAN

A201

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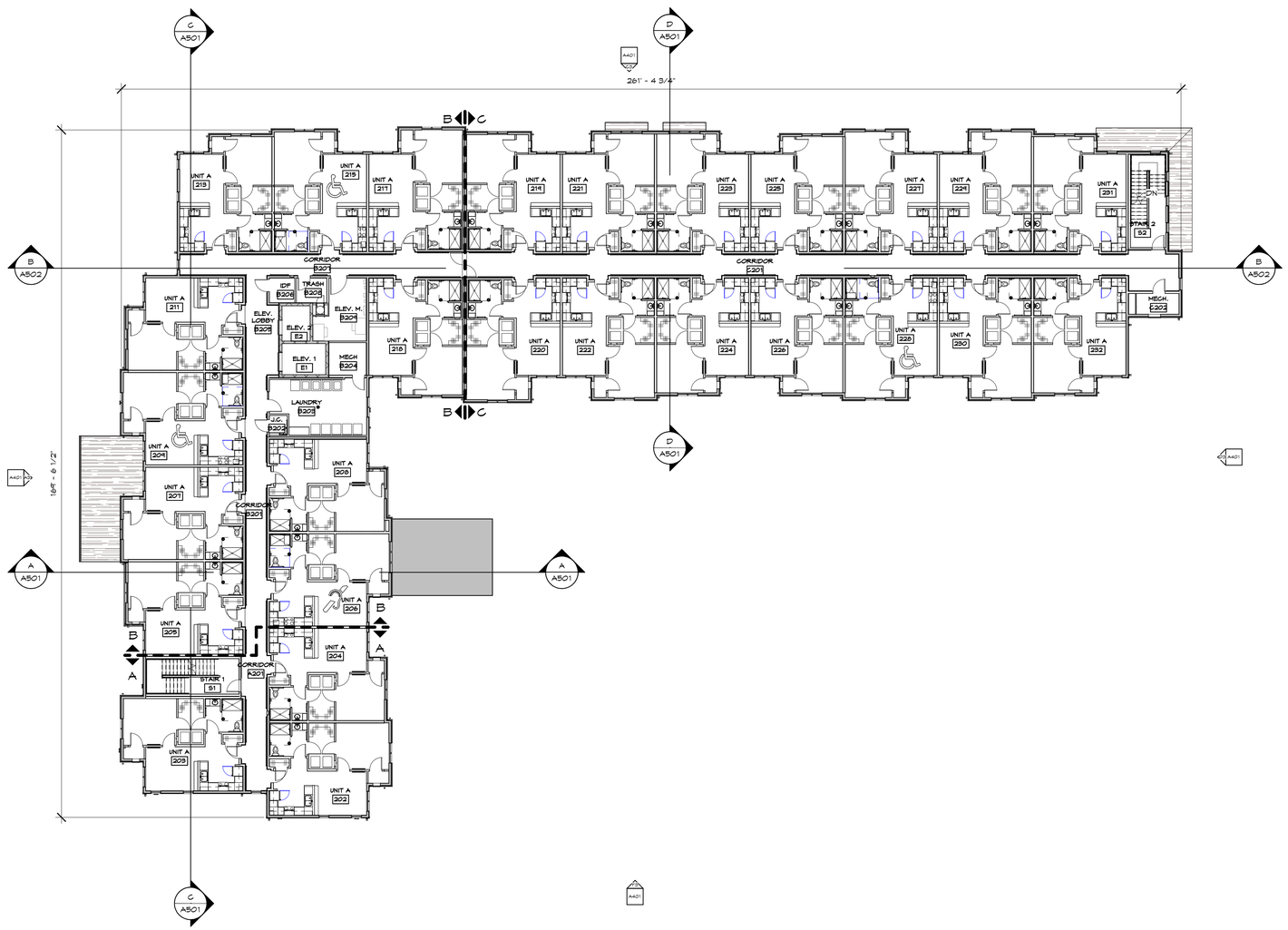
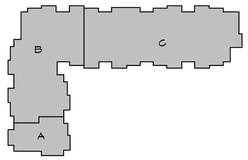


F3 OVERALL SECOND FLOOR PLAN
1/16" = 1'-0"



KEY PLAN
N.T.S

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D. ALL FIRE RATED PARTITIONS TO EXTEND FULL HEIGHT TO UNDERSIDE OF STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.

E. SEE FINISH SCHEDULE, INTERIOR ELEVATIONS AND REFLECTED CEILING PLANS FOR INFORMATION ON WALL FINISHES, FLOOR MATERIALS AND CEILING FINISH.

F. UNLESS OTHERWISE NOTED, ALL COVER PLATES, SWITCH PLATES, DATA CONNECTIONS, REGISTERS, GRILLES, ETC. ARE TO BE WHITE.

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NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 1/06/2026

OVERALL SECOND FLOOR PLAN

A202

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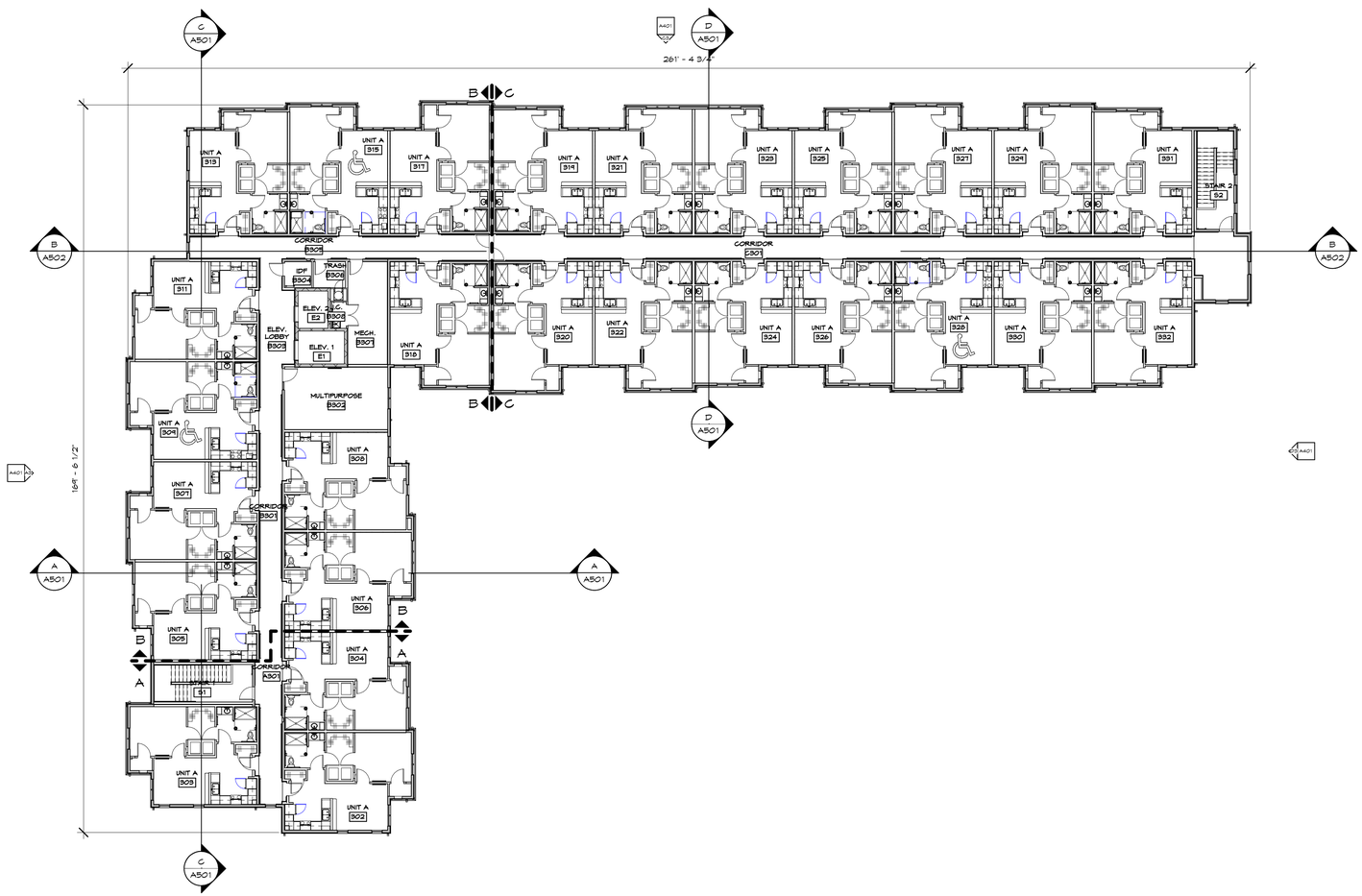


F3 OVERALL THIRD FLOOR PLAN

1/16" = 1'-0"

GENERAL PLAN NOTES:

A. ALL INTERIOR DIMENSIONS SHOWN ARE FROM FACE OF STUD, FACE OF MASONRY OR FINISH FACE OF EXISTING WALLS, UNLESS OTHERWISE NOTED. ALL EXTERIOR DIMENSIONS ARE FROM STUD, MASONRY OR CONCRETE UNLESS OTHERWISE NOTED. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.

B. DRAWINGS SHALL NOT BE SCALED. THE SCALE OF ALL DRAWINGS IS SUBJECT TO CONFIRMATION.

C. DASHED LINES ON NEW FLOOR PLANS INDICATE ITEMS ABOVE FLOOR, SUCH AS SOFFIT FACES, CASEWORK, ETC.

D. ALL FIRE RATED PARTITIONS TO EXTEND FULL HEIGHT TO UNDERSIDE OF STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.

E. SEE FINISH SCHEDULE, INTERIOR ELEVATIONS AND REFLECTED CEILING PLANS FOR INFORMATION ON WALL FINISHES, FLOOR MATERIALS AND CEILING FINISH.

F. UNLESS OTHERWISE NOTED, ALL COVER PLATES, SWITCH PLATES, DATA CONNECTIONS, REGISTERS, GRILLES, ETC. ARE TO BE WHITE.

G. PAINT ALL HOLLOW METAL DOORS AND FRAMES, ELECTRICAL PANELS, ACCESS PANELS, MISC. TRIM, ETC. EXPOSED TO VIEW.

H. SEE DOOR SCHEDULE FOR INFORMATION ON DOOR SIZES, TYPES, FRAMES AND HARDWARE SETS.

I. CONTRACTOR TO INSTALL SOLID BLOCKING FOR ALL TOILET ACCESSORIES, CABINETS, HANDRAILS, SPECIALTY ITEMS, ETC.

J. ALL EXTERIOR WALL ARE 1 HR. F.R.R. PER THE CONSTRUCTION TYPE. SEE CODE SUMMARIES, FIRE AREA PLANS, SECTIONS AND DETAILS FOR MORE INFORMATION.

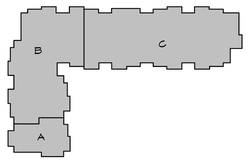
K. POCHED WALLS INDICATE 1 HR. F.R.R. LOAD BEARING WALLS. SEE WALL TYPE SCHEDULE AND STRUCTURAL DWGS. FOR MORE INFORMATION.

L. REFER TO UNIT PLANS FOR MORE INFORMATION ON EACH UNIT TYPE.

M. FIRE BLOCKING SHALL BE INSTALLED AT "CONCEALED" EXTERIOR COMBUSTIBLE SOFFITS, MAXIMUM 20 FT. SPACING (NOT TO EXCEED 100 SQ. FT.) PER OBC SECTION 718.2.6 OR EQUIVALENT IBC SECTION.

N. BUILDING PAPER WRAP TO BE TYVEK COMMERCIAL WRAP BY DUPONT OR EQUAL. INSTALL HORIZONTALLY OVERLAPPING AND TAPING SEAMS PER MANUFACTURER'S INSTRUCTIONS. COMPLY WITH ASTM E1677, TYPE 1 AIR RETARDER WITH FLAME SPREAD AND SMOKE DEVELOPED INDEXES OF LESS THAN 25 AND 450 RESPECTIVELY WHEN TESTED ACCORDING TO ASTM E84.

P. PROVIDE CLASS A FIRE RATED, FIBER BATT INSULATION IN EXTERIOR WALLS. MINIMUM R-20 BATT WITH VAPOR BARRIER ON WARM SIDE OF WALL. INSULATE ALL BOX METAL STUD HEADERS FOR CONTINUOUS THERMAL BARRIER.



KEY PLAN
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OVERALL THIRD FLOOR PLAN

A203

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ROOF PLAN GENERAL NOTES:

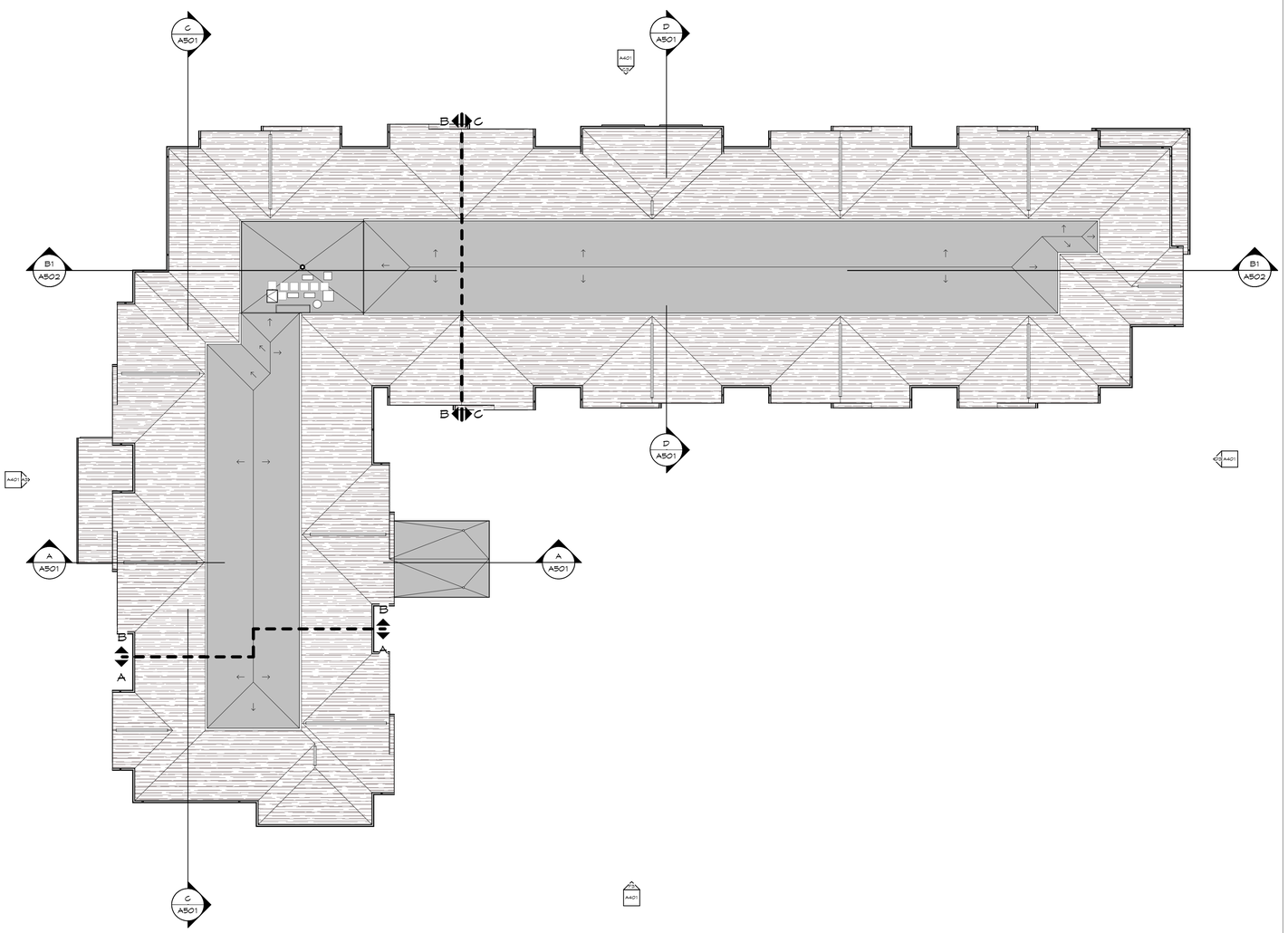
A. SEE PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL EQUIPMENT. COORDINATE EXACT LOCATION WITH ROOF PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE ROOF PLANS, THE ROOF PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

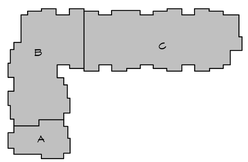
C. NEW ICE DAM MEMBRANE LOCATIONS AT ALL EDGES. PROVIDE FULL COVERAGE AT SMALL DORMER/ROOF AREAS. SEE DETAILS SHEET **A604**

D. PENETRATION LOCATIONS SHALL BE FIELD VERIFIED, AND ALL PENETRATIONS, VENTS, EQUIPMENT ETC., SHALL BE REFLASHED AS REQUIRED TO ACCOMMODATE NEW SHINGLE SYSTEM PER MFRS. RECOMMENDATIONS.

E. PROVIDE KICK-OUT FLASHING AND PROPER STEP FLASHING AT ALL LOCATIONS WHERE AN EXTERIOR WALL AND ROOF INTERSECT.



F3 OVERALL ROOF PLAN
1/16" = 1'-0"



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OVERALL ROOF PLAN

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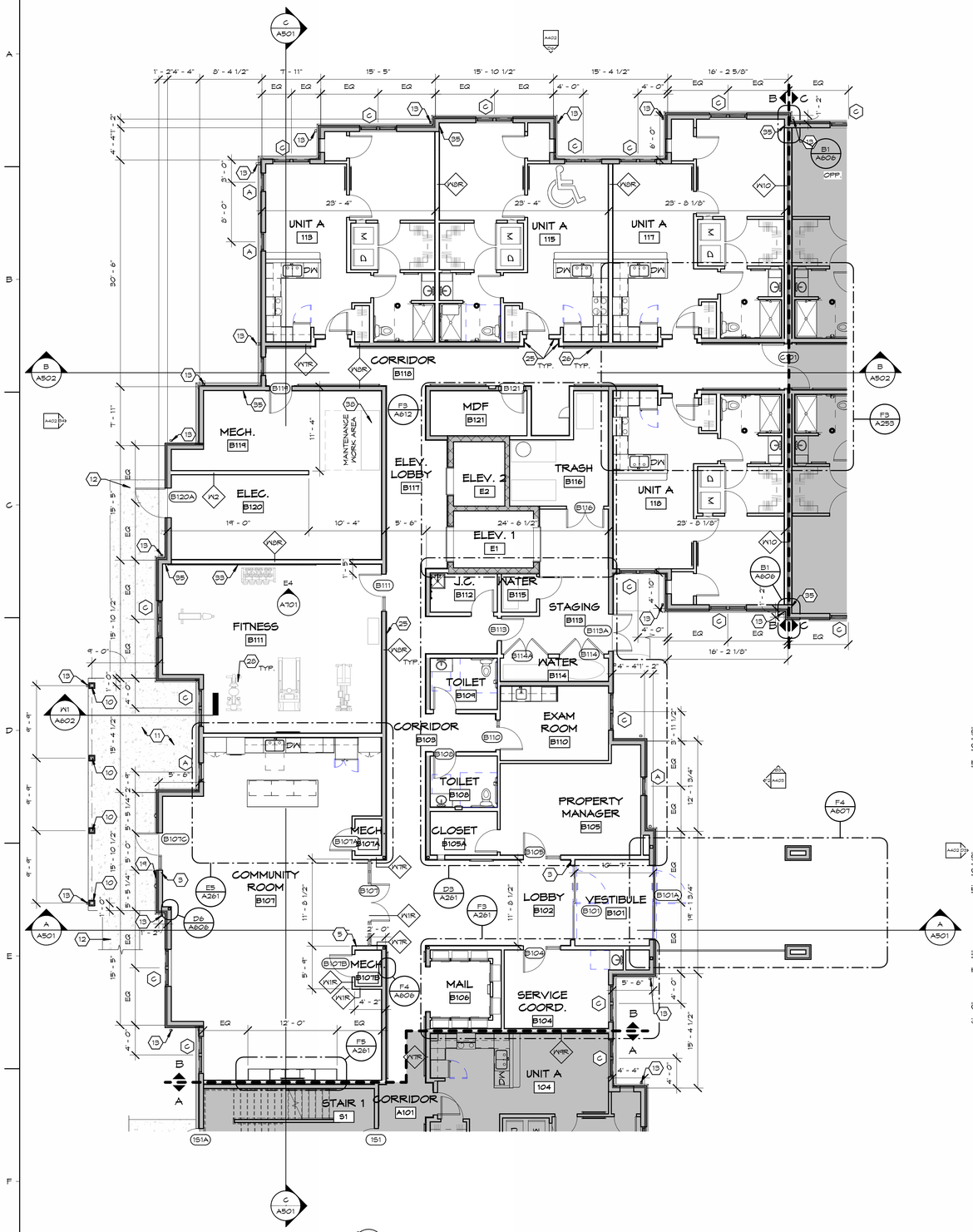
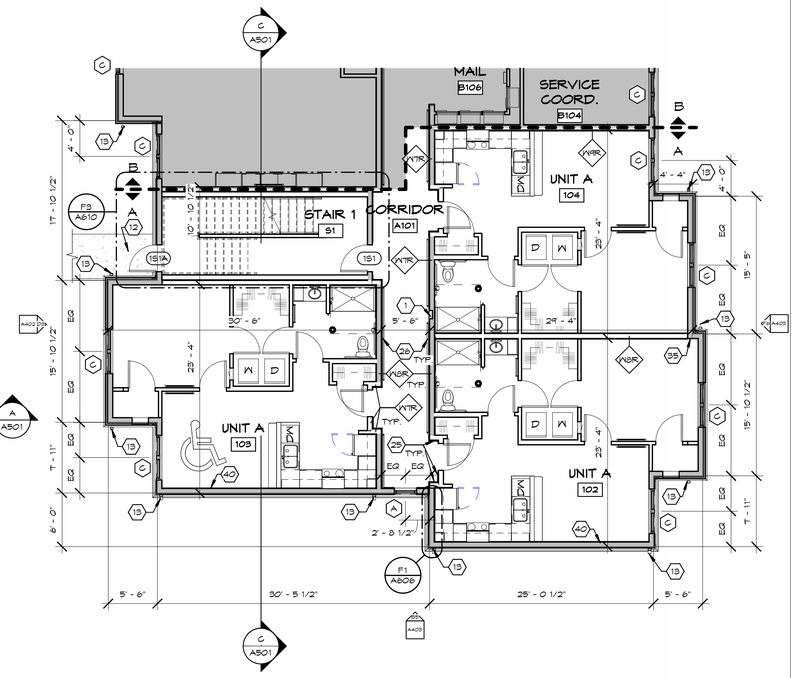


F6 FIRST FLOOR PLAN - AREA B

1/8" = 1'-0"



F3 FIRST FLOOR PLAN - AREA A

1/8" = 1'-0"

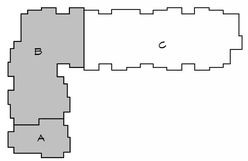
TOILET ACCESSORY NOTES:

ALL TOILET ACCESSORIES PROVIDED AND INSTALLED BY G.C. UNLESS OTHERWISE NOTED. G.C. TO PROVIDE SOLID BLOCKING AS REQUIRED FOR ALL WALL HUNG ITEM. TYP. COORDINATE EXACT LOCATION IN FIELD W/ OWNER.

SPEC ID#	DESCRIPTION	COMMENTS
T-01	TOILET PAPER DISPENSER	SINGLE/SURFACE
T-04	TOWEL DISP. / WASTE RECEP.	RECESSED/MAN.
T-09	MIRROR	MATCH COUNTER LENGTH
T-11	GRAB BAR (SEE 6001 FOR TYP. SIZE)	
T-13	SHOWER CURTAIN ROD	
T-15	SHOWER SEAT	FOLDING 30X60
T-18	TOWEL BAR	24"
T-21	ROBE HOOK	
T-22	MEDICINE CABINET	RECESSED
T-26	MOP & BROOM HOLDER	

FLOOR PLAN CODED NOTES: X

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **6001** FOR MOUNTING HEIGHT AND **6003** FOR PLAN DETAIL
2. RECESSED MAILBOX UNITS. SEE B4 / A701 FOR MORE INFO.
3. TACTILE EXIT SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. AT ALL EGRESS EXIT DOORS. SEE **6001** FOR MORE INFO.
4. TACTILE STAIR IDENTIFICATION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. SEE **6001** FOR MORE INFO.
5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE **6001** FOR MORE INFO.
6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON **6001**
7. TACTILE TWO-WAY COMMUNICATION IDENTIFICATION & DIRECTION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ACCESSIBILITY CODES. SEE **6001** FOR MORE INFO.
8. DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF ALL OTHER MEANS OF EGRESS AND WHICH OF THOSE ARE ACCESSIBLE TO COMPLY WITH OBC 1009.10.
9. EXTERIOR HANDRAIL. SEE ELEVATIONS AND DETAILS FOR MORE INFO.
10. DECORATIVE PVC COLUMN. SEE DETAIL D1 / A606 FOR ADDITIONAL INFORMATION.
11. 4" CONCRETE SLAB ON 4" GRAVEL BASE. SLOPE 1/4" PER FOOT AWAY FROM BUILDING. SEE CIVIL DWGS. AND SECTIONS FOR ADDITIONAL INFORMATION.
12. SIDEWALK. SEE CIVIL DWGS.
13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.
14. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.
16. RESIDENTIAL APPLIANCES AND EQUIPMENT PROVIDED BY G.C. INSTALLED BY G.C. G.C. TO COORDINATE WITH OWNER AND PROVIDE ELECTRICAL AND PLUMBING CONNECTIONS AS NEEDED. SEE APPLIANCE SCHEDULE FOR MORE INFO.
17. CASED OPENING. 6'-0" W X 7'-0" H.
18. LADDER TO ROOF HATCH. MAINTAIN FLOOR CLEARANCE. SEE DETAIL F7 / A351 FOR MORE INFORMATION.
19. ACCESS CONTROL CREDENTIAL READER. SEE LOW VOLTAGE, ELECTRICAL AND DOOR HARDWARE SCHEDULE FOR MORE INFORMATION.
20. 24"X24" MOP SINK WITH FRP UP TO 60" A.F.F. ON ADJACENT WALLS. WALL HUNG MOP HOLDER AND SHELF. G.C. TO PROVIDE SOLID WOOD BLOCKING AS REQUIRED. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
21. KNOX BOX PER LOCAL FIRE DEPARTMENT.
22. FIRE-RATED RENT DROP BOX. THE SAFETY LETTERBOX COMPANY FR3 OR EQUAL. MOUNT BOX WITH DROP SLOT AT 48" MAX. A.F.F
23. WATER TANK. NORWESCO 500 GALLON DOORWAY TANK OR APPROVED EQUAL.
24. TV PROVIDED BY OWNER. GC TO PROVIDE BLOCKING AS REQUIRED. SEE ELEVATIONS AND ELECTRICAL DWGS FOR MORE INFORMATION. GC TO INSTALL OWNER PROVIDED TV BRACKETS.
25. CHAIR RAIL. SEE DETAIL B1 / A701 FOR MORE INFO.
26. HAND RAIL. SEE DETAIL C2 / A701 FOR MORE INFO.
27. TRASH CHUTE - SEE SPECIFICATIONS FOR MORE INFO.
28. FURNITURE/EQUIPMENT BY OWNER. N.I.C.
29. TRASH CHUTE DOOR. 18" X 18" SELF CLOSING INTAKE DOOR BY TRASH CHUTE MFR.
30. ROOF DRAIN LINE - SEE MEP DWGS. FOR MORE INFO.
31. PREFINISHED VINYL CLAD STEEL ROD SHELVING.
32. WIRE SHELVING RACKS.
33. PROVIDE CLEAR ANNEALED MIRRORS WITH SAFETY BACKING ALONG INDICATED WALL.
34. FLOOR DRAIN - SEE PLUMBING DWGS. FOR MORE INFO.
35. FUR OUT PORTION OF WALL WITH 1/2" GYP. BD. TO ALIGN FINISH FACE.
36. MECHANICAL LOUVER - SEE MEP DWGS. FOR MORE INFO.
37. CUSTODIAL CART
    A. RUBBERMAID MODEL # FG131500BLA
    B. RUBBERMAID MODEL # 9T14
38. 8'-0" WORK BENCH
39. PORTABLE FIRE EXTINGUISHER. TYPE K, W/ 6L.
40. ADD ADDITIONAL LAYER OF 1/2" GWB TO FLUSH INTERIOR WALL SURFACE WITH SHEAR WALL.



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FIRST FLOOR PLAN - AREAS A & B

A211

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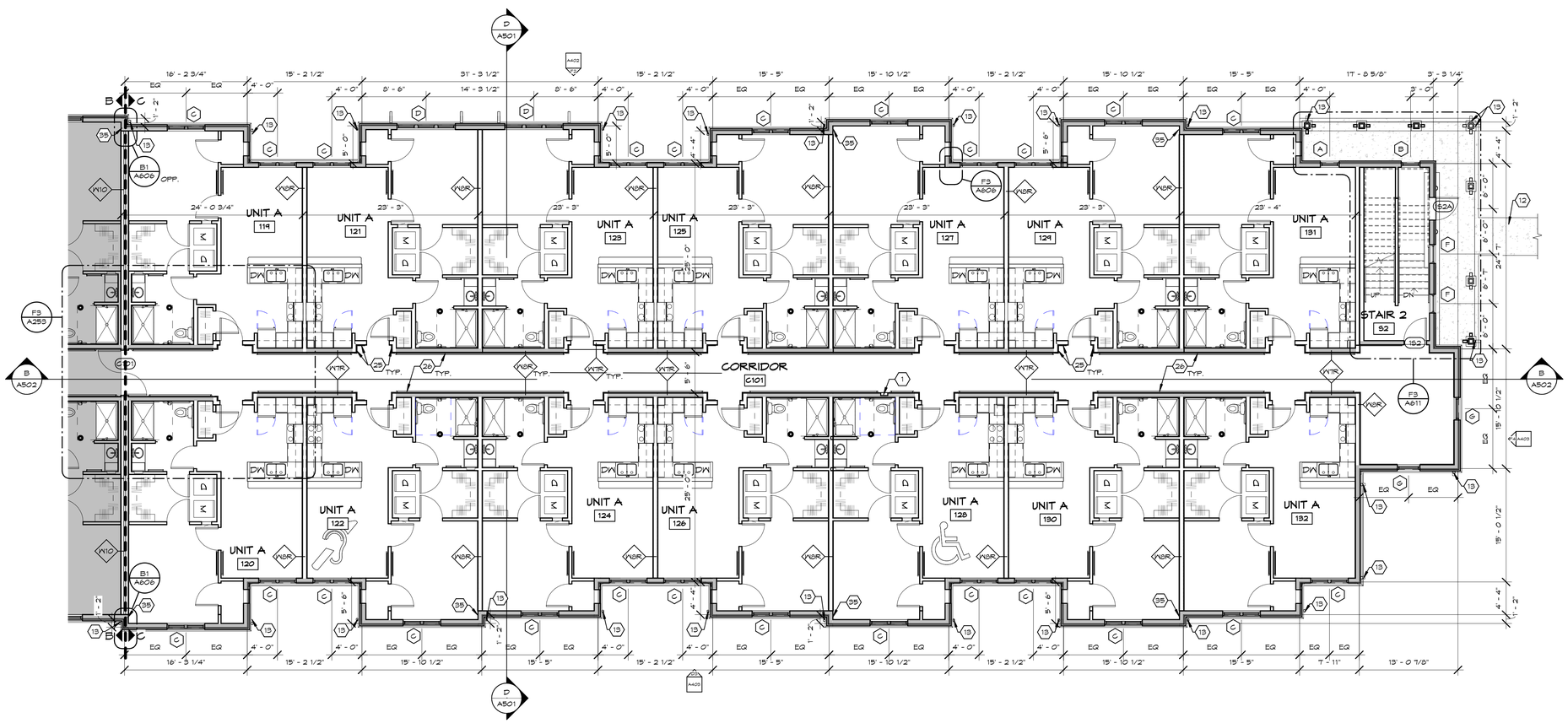

F3 FIRST FLOOR PLAN - AREA C

1/8" = 1'-0"

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **G001** FOR MOUNTING HEIGHT AND **G003** FOR PLAN DETAIL

2. RECESSED MAILBOX UNITS. SEE B4 / A701 FOR MORE INFO.

3. TACTILE EXIT SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. AT ALL EGRESS EXIT DOORS. SEE **G001** FOR MORE INFO.

4. TACTILE STAIR IDENTIFICATION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. SEE **G001** FOR MORE INFO.

5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE **G001** FOR MORE INFO.

6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON **G001**

7. TACTILE TWO-WAY COMMUNICATION IDENTIFICATION & DIRECTION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ACCESSIBILITY CODES. SEE **G001** FOR MORE INFO.

8. DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF ALL OTHER MEANS OF EGRESS AND WHICH OF THOSE ARE ACCESSIBLE TO COMPLY WITH OBC 1009.10.

9. EXTERIOR HANDRAIL. SEE ELEVATIONS AND DETAILS FOR MORE INFO.

10. DECORATIVE PVC COLUMN. SEE DETAIL D1 / A606 FOR ADDITIONAL INFORMATION.

11. 4" CONCRETE SLAB ON 4" GRAVEL BASE. SLOPE 1/4" PER FOOT AWAY FROM BUILDING. SEE CIVIL DWGS. AND SECTIONS FOR ADDITIONAL INFORMATION.

12. SIDEWALK. SEE CIVIL DWGS.

13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.

14. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.

15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.

16. RESIDENTIAL APPLIANCES AND EQUIPMENT PROVIDED BY G.C. INSTALLED BY G.C. G.C. TO COORDINATE WITH OWNER AND PROVIDE ELECTRICAL AND PLUMBING CONNECTIONS AS NEEDED. SEE APPLIANCE SCHEDULE FOR MORE INFO.

17. CASED OPENING. 6'-0" W X 7'-0" H.

18. LADDER TO ROOF HATCH. MAINTAIN FLOOR CLEARANCE. SEE DETAIL F7 / A351 FOR MORE INFORMATION.

19. ACCESS CONTROL CREDENTIAL READER. SEE LOW VOLTAGE, ELECTRICAL AND DOOR HARDWARE SCHEDULE FOR MORE INFORMATION.

20. 24"X24" MOP SINK WITH FRP. UP TO 60" A.F.F. ON ADJACENT WALLS. WALL HUNG MOP HOLDER. AND SHELF. G.C. TO PROVIDE SOLID WOOD BLOCKING AS REQUIRED. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.

21. KNOX BOX PER LOCAL FIRE DEPARTMENT.

22. FIRE-RATED RENT DROP BOX. THE SAFETY LETTERBOX COMPANY FR3 OR EQUAL. MOUNT BOX WITH DROP SLOT AT 48" MAX. A.F.F

23. WATER TANK. NORWESCO 500 GALLON DOORWAY TANK OR APPROVED EQUAL.

24. TV PROVIDED BY OWNER. GC TO PROVIDE BLOCKING AS REQUIRED. SEE ELEVATIONS AND ELECTRICAL DWGS FOR MORE INFORMATION. GC TO INSTALL OWNER PROVIDED TV BRACKETS.

25. CHAIR RAIL. SEE DETAIL B1 / A701 FOR MORE INFO.

26. HAND RAIL. SEE DETAIL C2 / A701 FOR MORE INFO.

27. TRASH CHUTE - SEE SPECIFICATIONS FOR MORE INFO.

28. FURNITURE/EQUIPMENT BY OWNER. N.I.C.

29. TRASH CHUTE DOOR. 18" X 18" SELF CLOSING INTAKE DOOR BY TRASH CHUTE MFR.

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    B. RUBBERMAID MODEL # 9T14

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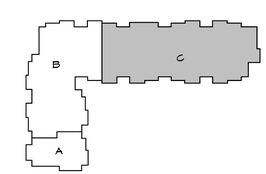

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FIRST FLOOR PLAN - AREA C

A212

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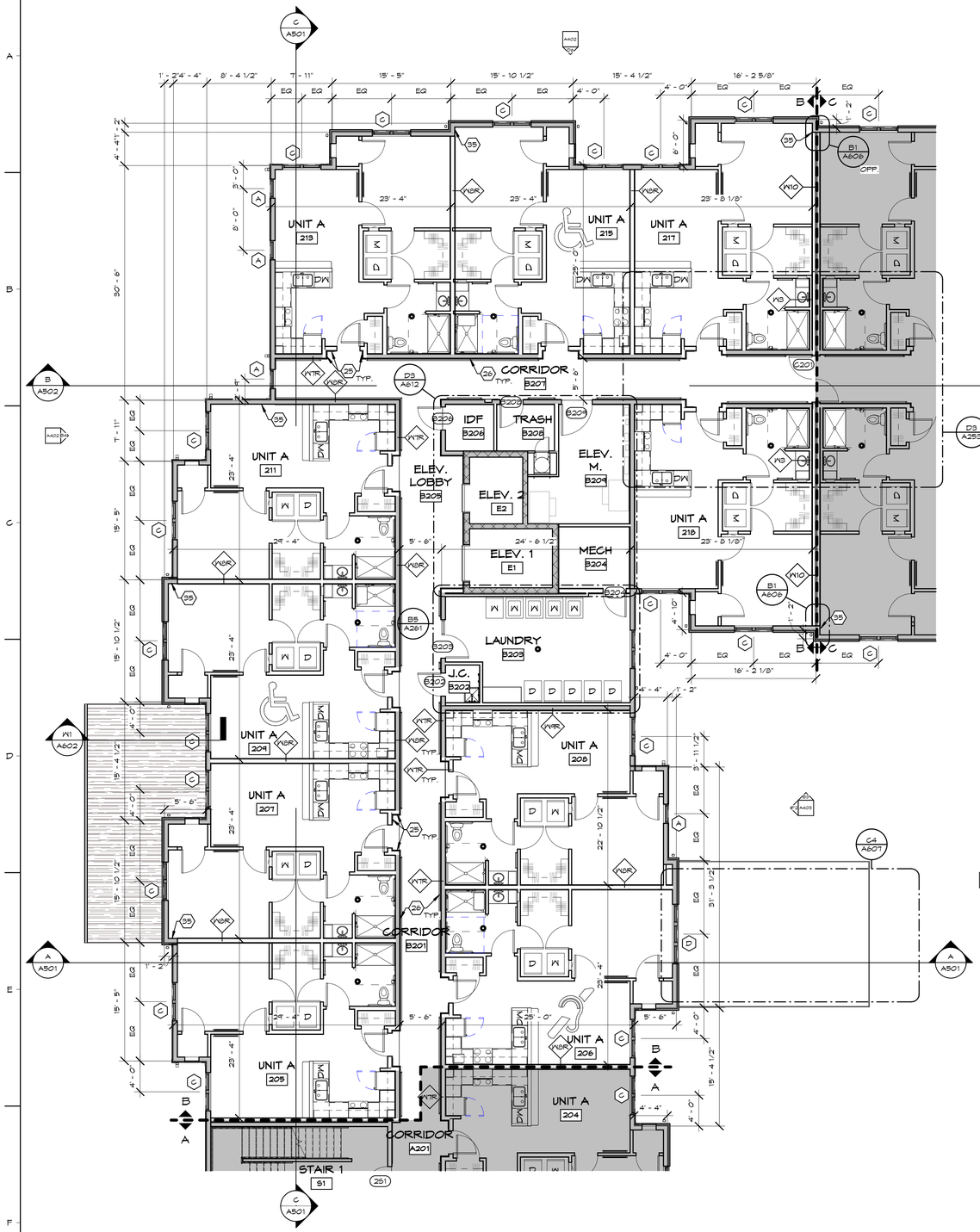
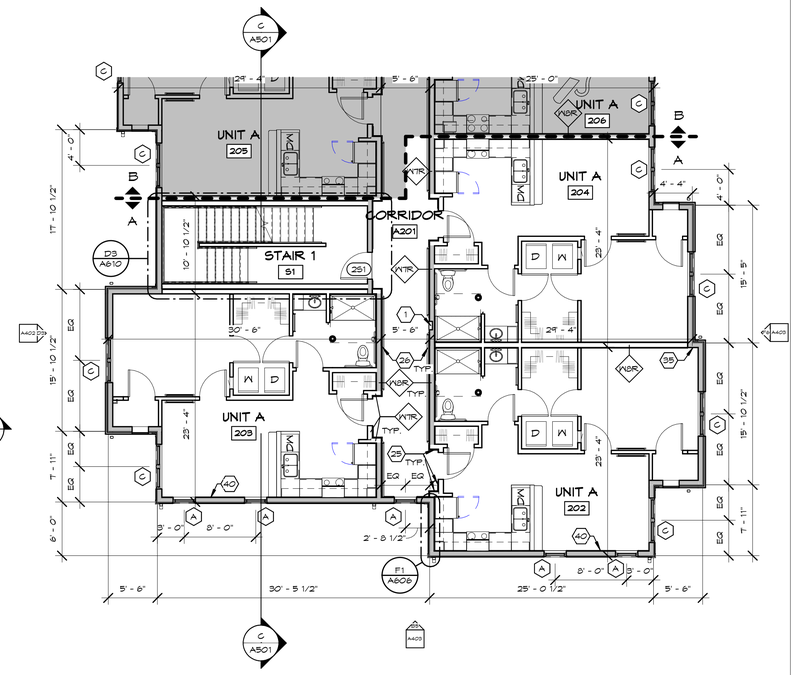


F6 SECOND FLOOR PLAN - AREA B

1/8" = 1'-0"



F3 SECOND FLOOR PLAN - AREA A

1/8" = 1'-0"

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **6001** FOR MOUNTING HEIGHT AND **6003** FOR PLAN DETAIL
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5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE **6001** FOR MORE INFO.
6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON **6001**
7. TACTILE TWO-WAY COMMUNICATION IDENTIFICATION & DIRECTION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ACCESSIBILITY CODES. SEE **6001** FOR MORE INFO.
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10. DECORATIVE PVC COLUMN. SEE DETAIL D1 / A606 FOR ADDITIONAL INFORMATION.
11. 4" CONCRETE SLAB ON 4" GRAVEL BASE. SLOPE 1/4" PER FOOT AWAY FROM BUILDING. SEE CIVIL DWGS. AND SECTIONS FOR ADDITIONAL INFORMATION.
12. SIDEWALK. SEE CIVIL DWGS.
13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.
14. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.
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19. ACCESS CONTROL CREDENTIAL READER. SEE LOW VOLTAGE, ELECTRICAL AND DOOR HARDWARE SCHEDULE FOR MORE INFORMATION.
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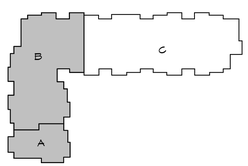
26. HAND RAIL. SEE DETAIL C2 / A701 FOR MORE INFO.
27. TRASH CHUTE - SEE SPECIFICATIONS FOR MORE INFO.
28. FURNITURE/EQUIPMENT BY OWNER. NIC.
29. TRASH CHUTE DOOR. 18" X 18" SELF CLOSING INTAKE DOOR BY TRASH CHUTE MFR.
30. ROOF DRAIN LINE - SEE MEP DWGS. FOR MORE INFO.
31. PREFINISHED VINYL CLAD STEEL ROD SHELVING.
32. WIRE SHELVING RACKS.
33. PROVIDE CLEAR ANNEALED MIRRORS WITH SAFETY BACKING ALONG INDICATED WALL.
34. FLOOR DRAIN - SEE PLUMBING DWGS. FOR MORE INFO.
35. FUR OUT PORTION OF WALL WITH 1/2" GYP. BD. TO ALIGN FINISH FACE.
36. MECHANICAL LOUVER - SEE MEP DWGS. FOR MORE INFO.
37. CUSTODIAL CART
    A. RUBBERMAID MODEL # FG131500BLA
    B. RUBBERMAID MODEL # 9T14
38. 8'-0" WORK BENCH
39. PORTABLE FIRE EXTINGUISHER. TYPE K, NC 6L.
40. ADD ADDITIONAL LAYER OF 1/2" GWB TO FLUSH INTERIOR WALL SURFACE WITH SHEAR WALL.



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SECOND FLOOR PLAN - AREAS A & B

A221

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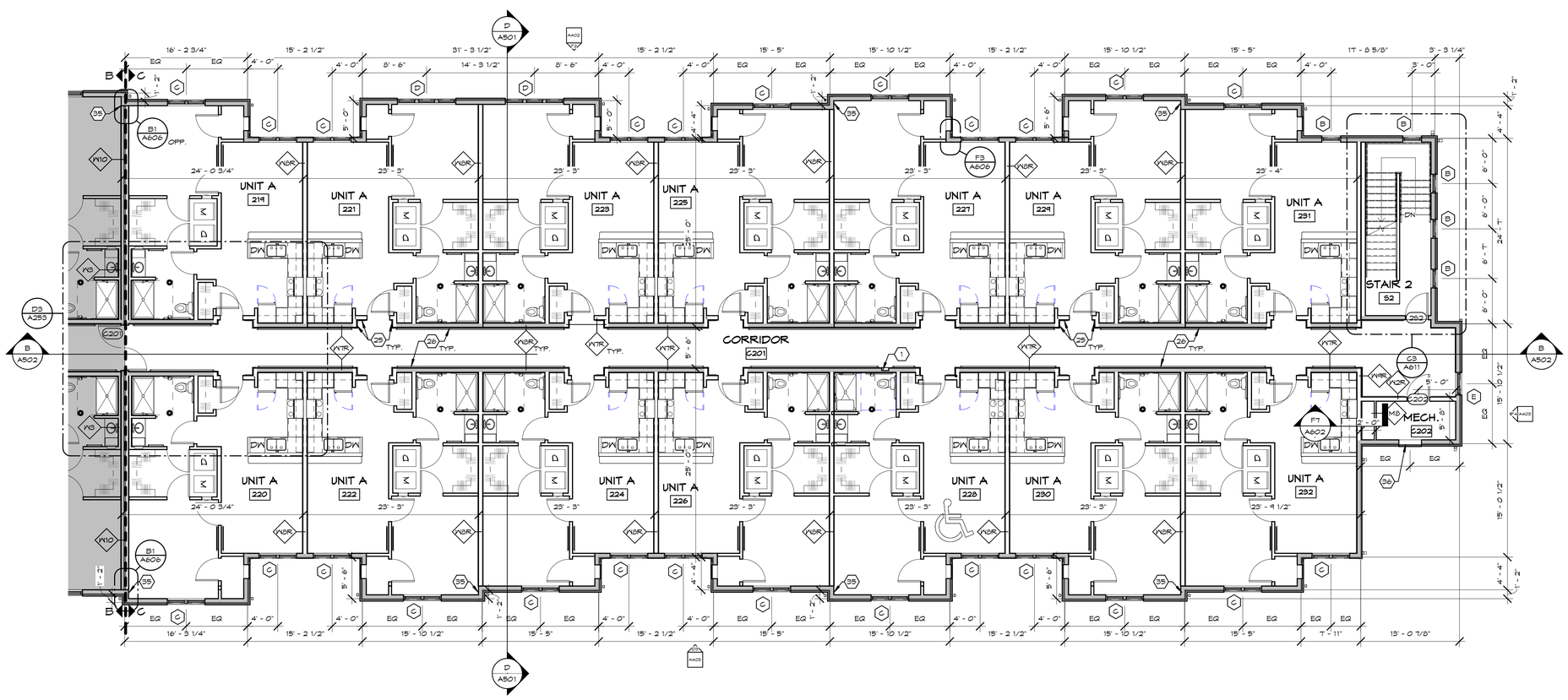

F3 SECOND FLOOR PLAN - AREA C

1/8" = 1'-0"

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **G001** FOR MOUNTING HEIGHT AND **G003** FOR PLAN DETAIL

2. RECESSED MAILBOX UNITS. SEE B4 / A701 FOR MORE INFO.

3. TACTILE EXIT SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. AT ALL EGRESS EXIT DOORS. SEE **G001** FOR MORE INFO.

4. TACTILE STAIR IDENTIFICATION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. SEE **G001** FOR MORE INFO.

5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE **G001** FOR MORE INFO.

6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON **G001**

7. TACTILE TWO-WAY COMMUNICATION IDENTIFICATION & DIRECTION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ACCESSIBILITY CODES. SEE **G001** FOR MORE INFO.

8. DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF ALL OTHER MEANS OF EGRESS AND WHICH OF THOSE ARE ACCESSIBLE TO COMPLY WITH OBC 1009.10.

9. EXTERIOR HANDRAIL. SEE ELEVATIONS AND DETAILS FOR MORE INFO.

10. DECORATIVE PVC COLUMN. SEE DETAIL D1 / A606 FOR ADDITIONAL INFORMATION.

11. 4" CONCRETE SLAB ON 4" GRAVEL BASE. SLOPE 1/4" PER FOOT AWAY FROM BUILDING. SEE CIVIL DWGS. AND SECTIONS FOR ADDITIONAL INFORMATION.

12. SIDEWALK. SEE CIVIL DWGS.

13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.

14. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.

15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.

16. RESIDENTIAL APPLIANCES AND EQUIPMENT PROVIDED BY G.C. INSTALLED BY G.C. G.C. TO COORDINATE WITH OWNER AND PROVIDE ELECTRICAL AND PLUMBING CONNECTIONS AS NEEDED. SEE APPLIANCE SCHEDULE FOR MORE INFO.

17. CASED OPENING. 6'-0" W X 7'-0" H.

18. LADDER TO ROOF HATCH. MAINTAIN FLOOR CLEARANCE. SEE DETAIL F7 / A351 FOR MORE INFORMATION.

19. ACCESS CONTROL CREDENTIAL READER. SEE LOW VOLTAGE, ELECTRICAL AND DOOR HARDWARE SCHEDULE FOR MORE INFORMATION.

20. 24"X24" MOP SINK WITH FRP. UP TO 60" A.F.F. ON ADJACENT WALLS. WALL HUNG MOP HOLDER. AND SHELF. G.C. TO PROVIDE SOLID WOOD BLOCKING AS REQUIRED. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.

21. KNOX BOX PER LOCAL FIRE DEPARTMENT.

22. FIRE-RATED RENT DROP BOX. THE SAFETY LETTERBOX COMPANY FR3 OR EQUAL. MOUNT BOX WITH DROP SLOT AT 48" MAX. A.F.F

23. WATER TANK. NORWESCO 500 GALLON DOORWAY TANK OR APPROVED EQUAL.

24. TV PROVIDED BY OWNER. GC. TO PROVIDE BLOCKING AS REQUIRED. SEE ELEVATIONS AND ELECTRICAL DWGS FOR MORE INFORMATION. GC TO INSTALL OWNER PROVIDED TV BRACKETS.

25. CHAIR RAIL. SEE DETAIL B1 / A701 FOR MORE INFO.

26. HAND RAIL. SEE DETAIL C2 / A701 FOR MORE INFO.

27. TRASH CHUTE - SEE SPECIFICATIONS FOR MORE INFO.

28. FURNITURE/EQUIPMENT BY OWNER. N.I.C.

29. TRASH CHUTE DOOR. 18" X 18" SELF CLOSING INTAKE DOOR BY TRASH CHUTE MFR.

30. ROOF DRAIN LINE - SEE MEP DWGS. FOR MORE INFO.

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32. WIRE SHELVING RACKS.

33. PROVIDE CLEAR ANNEALED MIRRORS WITH SAFETY BACKING ALONG INDICATED WALL.

34. FLOOR DRAIN - SEE PLUMBING DWGS. FOR MORE INFO.

35. FUR OUT PORTION OF WALL WITH 1/2" GYP. BD. TO ALIGN FINISH FACE.

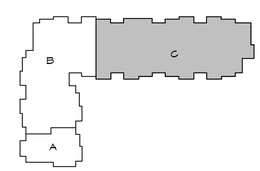
36. MECHANICAL LOUVER - SEE MEP DWGS. FOR MORE INFO.

37. CUSTODIAL CART
    A. RUBBERMAID MODEL # FG131500BLA
    B. RUBBERMAID MODEL # 9T14

38. 8'-0" WORK BENCH

39. PORTABLE FIRE EXTINGUISHER. TYPE K, NC 6L.

40. ADD ADDITIONAL LAYER OF 1/2" GWB TO FLUSH INTERIOR WALL SURFACE WITH SHEAR WALL.



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SECOND FLOOR PLAN - AREA C

A222

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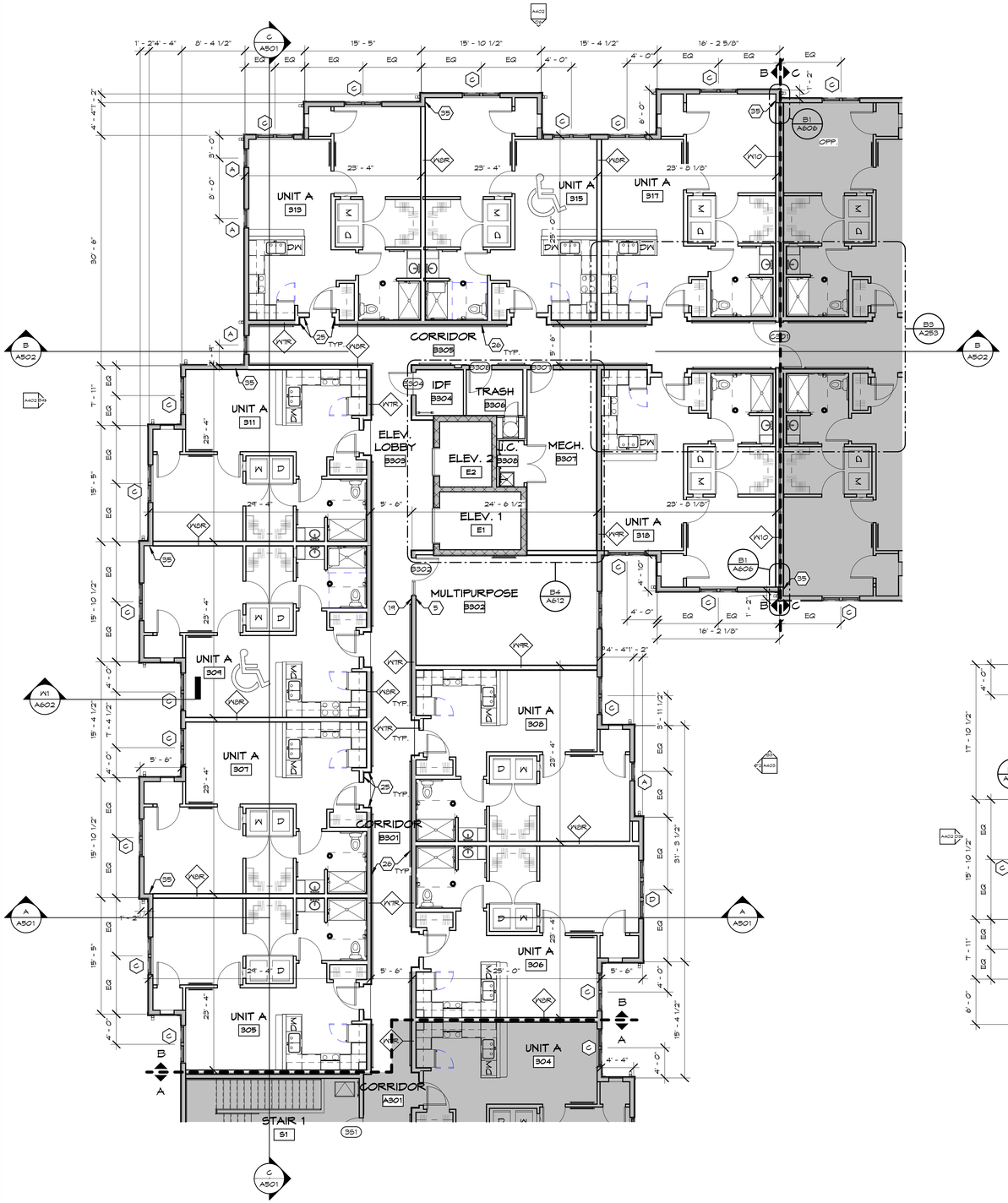
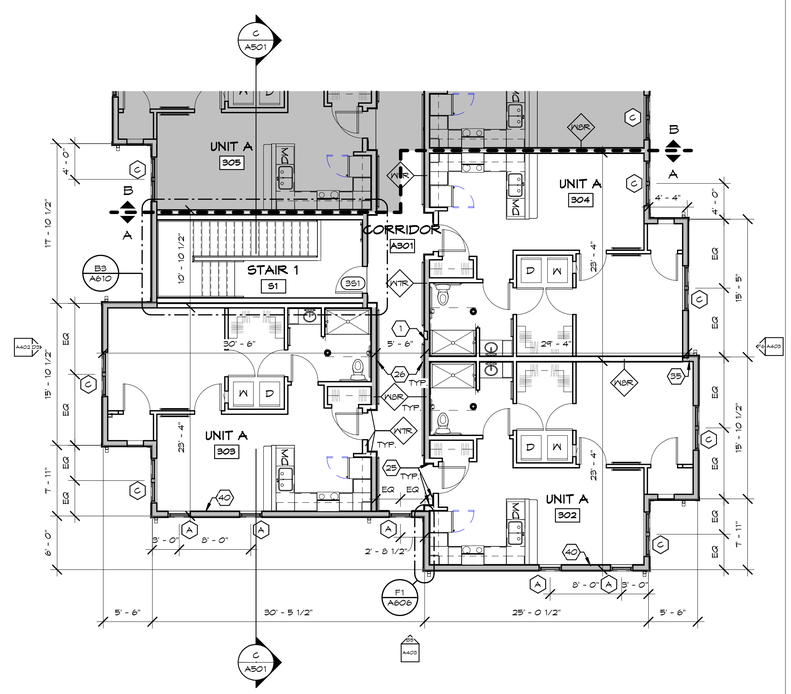


F6 THIRD FLOOR PLAN - AREA B

1/8" = 1'-0"



F3 THIRD FLOOR PLAN - AREA A

1/8" = 1'-0"

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **6001** FOR MOUNTING HEIGHT AND **6003** FOR PLAN DETAIL
2. RECESSED MAILBOX UNITS. SEE B4 / A701 FOR MORE INFO.
3. TACTILE EXIT SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. AT ALL EGRESS EXIT DOORS. SEE **6001** FOR MORE INFO.
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5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE **6001** FOR MORE INFO.
6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON **6001**
7. TACTILE TWO-WAY COMMUNICATION IDENTIFICATION & DIRECTION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ACCESSIBILITY CODES. SEE **6001** FOR MORE INFO.
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12. SIDEWALK. SEE CIVIL DWGS.
13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.
14. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.
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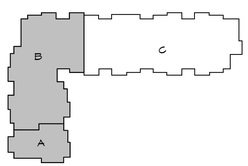

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THIRD FLOOR PLAN - AREAS A & B

A231

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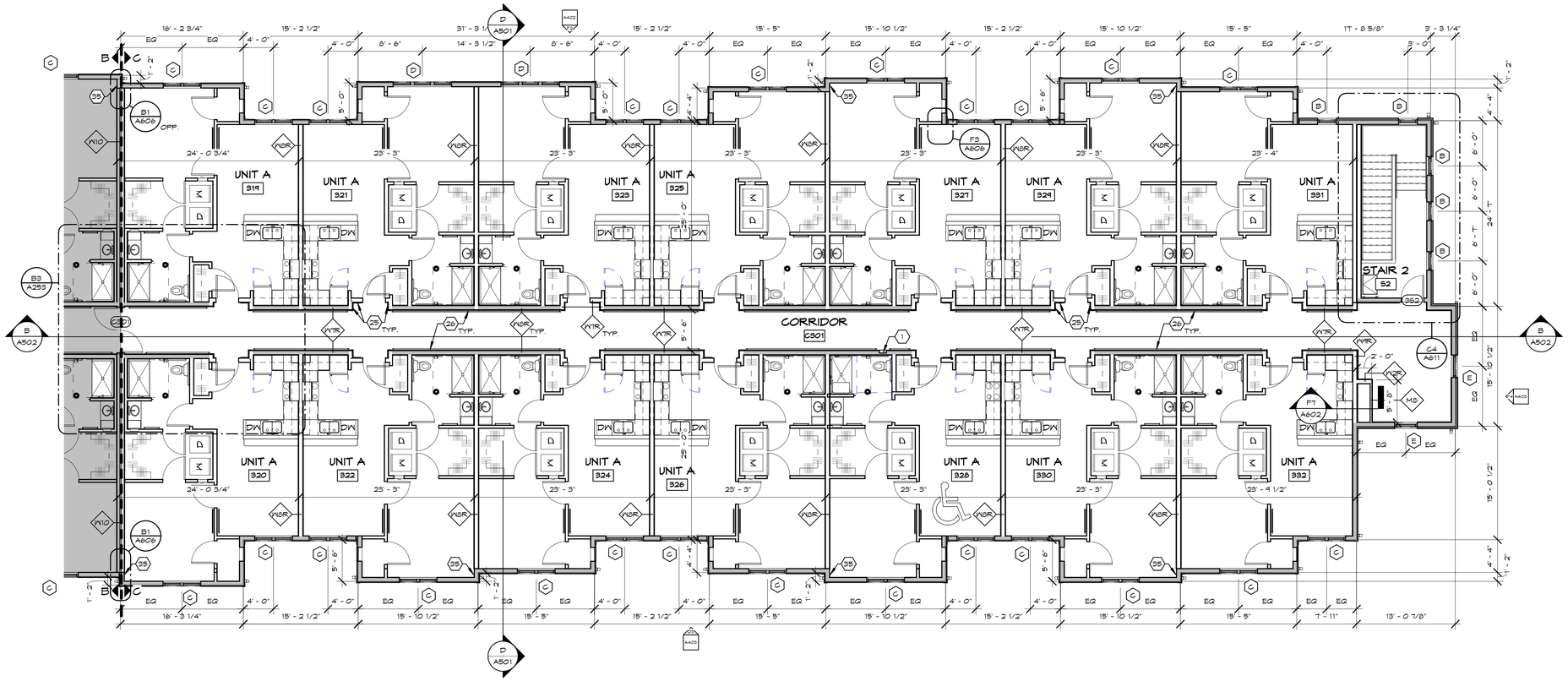

F3 THIRD FLOOR PLAN - AREA C

1/8" = 1'-0"

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **G001** FOR MOUNTING HEIGHT AND **G003** FOR PLAN DETAIL

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27. TRASH CHUTE - SEE SPECIFICATIONS FOR MORE INFO.

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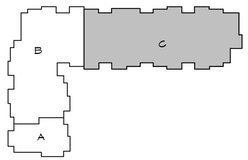

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THIRD FLOOR PLAN - AREA C

A232

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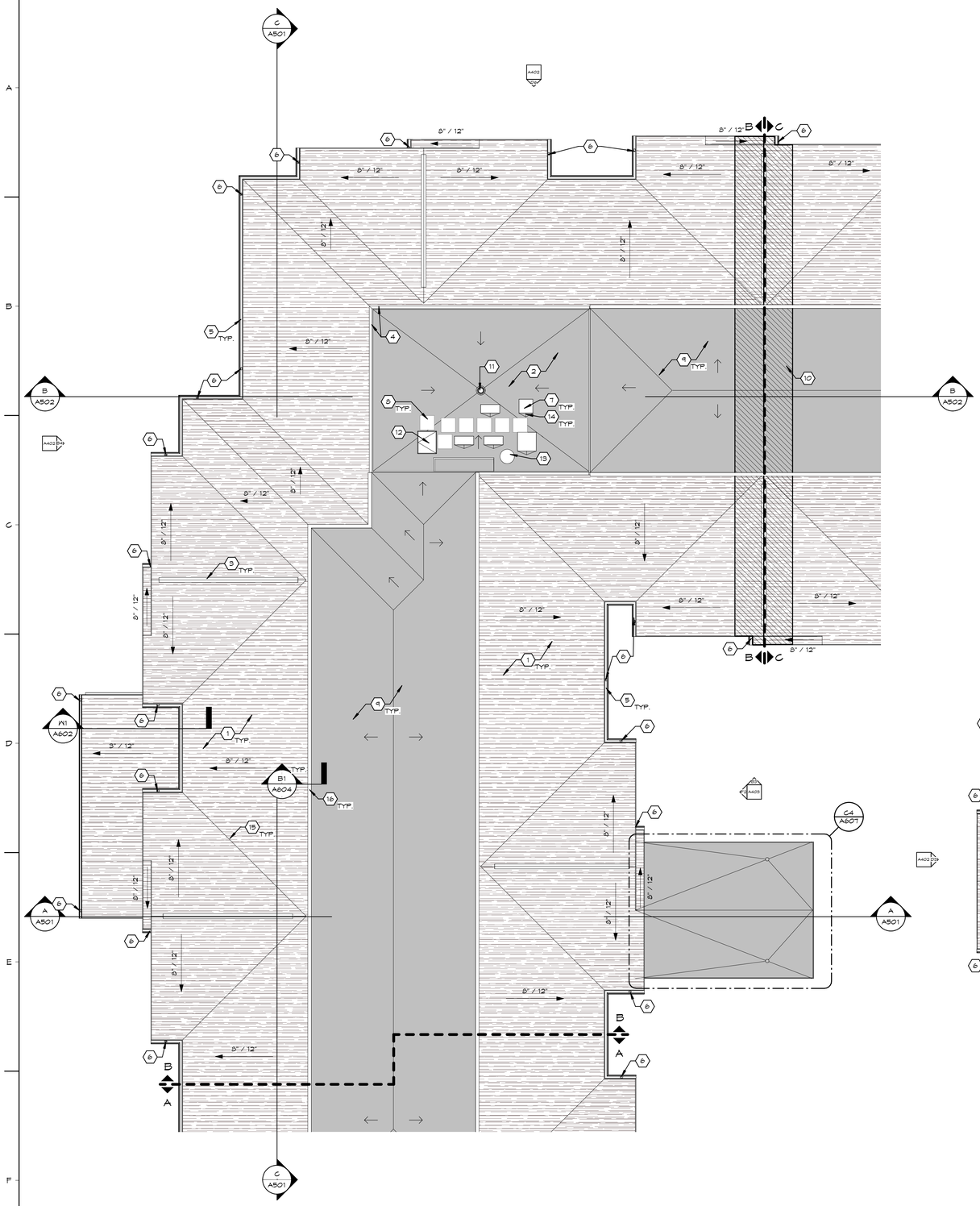
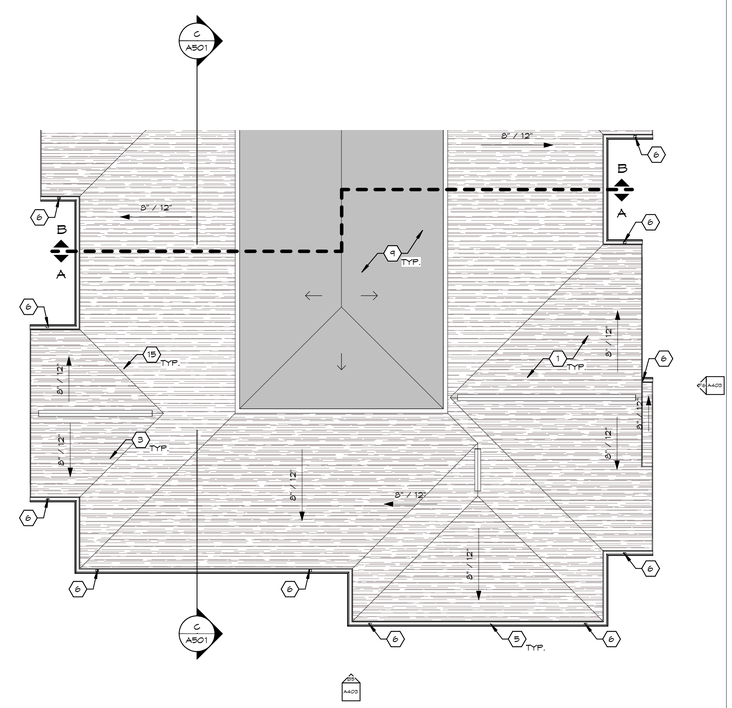


F6 ROOF PLAN - AREA B

1/8" = 1'-0"



F3 ROOF PLAN - AREA A

1/8" = 1'-0"

ROOF CODED NOTES: (X)

1. DIMENSIONAL ASPHALT SHINGLES OVER ROOFING FELT, ICE DAM MEMBRANE, ACCESSORIES ETC., OVER ROOF SHEATHING. SEE SPECIFICATION SECTION 07 31 00 AND 07 62 00.

2. FULLY ADHERED 0.060" EPDM ROOFING MEMBRANE SYSTEM OVER 1/2" COVER BOARD ON MIN. R-25 LTTR RIGID ROOF INSULATION TAPERED @ 1/4" PER FT. OVER ROOF SHEATHING ON ROOF TRUSSES. SEE STRUCTURAL DWGS. AND ARCHITECTURAL SECTIONS FOR MORE INFO.

3. CONTINUOUS RIDGE VENT. SEE DETAIL A3 / A604 .

4. HALF RIDGE VENT. SEE DETAIL C1 / A604.

5. PREFINISHED ALUMINUM 6" OGEE GUTTER.

6. PREFINISHED ALUMINUM 3" X 4" DOWNSPOUT. TIE TO PERIMETER STORM LINES WITH PVC BOOT. SEE CIVIL DWGS. FOR MORE INFO.

7. APPROXIMATE LOCATION OF NEW MECHANICAL EQUIPMENT. SEE MEP AND STRUC. DRAWINGS FOR MORE INFO, TYP.

8. 2'X2' EPDM ROOF MATS LOCATED TO PROVIDE ACCESS AROUND ALL ROOF TOP MECH. EQUIP. HEAT WELDED TO ROOF. PADS SHOULD BE 1'-0" APART. COORDINATE EXACT LOCATION WITH OWNER AND CONTRACTORS IN FIELD.

9. FULLY ADHERED 0.060" EPDM ROOFING MEMBRANE SYSTEM OVER MIN. 1/2" RIGID INSULATION TAPERED AT MIN. 1/4" PER 1'-0" OVER ROOF SHEATHING ON ROOF TRUSSES. SEE STRUCTURAL DWGS. AND ARCHITECTURAL SECTIONS FOR MORE INFO.

10. F.R.T. PLYWOOD ROOF SHEATHING. EXTEND MIN 4'-0" BEYOND FIRE WALL EACH WAY. SEE DETAIL E7 / A604

11. PRIMARY AND SECONDARY ROOF DRAIN. SEE DETAIL E5 / A604 AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.

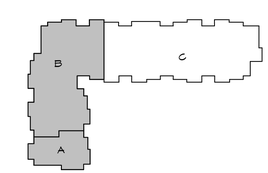
12. 30"W X 36"H ROOF ACCESS HATCH. SEE DETAIL D1 / A605 FOR MORE INFORMATION.

13. TRASH CHUTE. SEE F7 / A612 FOR MORE INFO.

14. ROOF CRICKET AS REQUIRED. COORDINATE WITH ROOF SLOPE.

15. ROOF VALLEY. SEE DETAILD3 / A605

16. CONTINUOUS SMART VENT. SEE B1 / A604



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ROOF PLAN - AREAS A & B

A241

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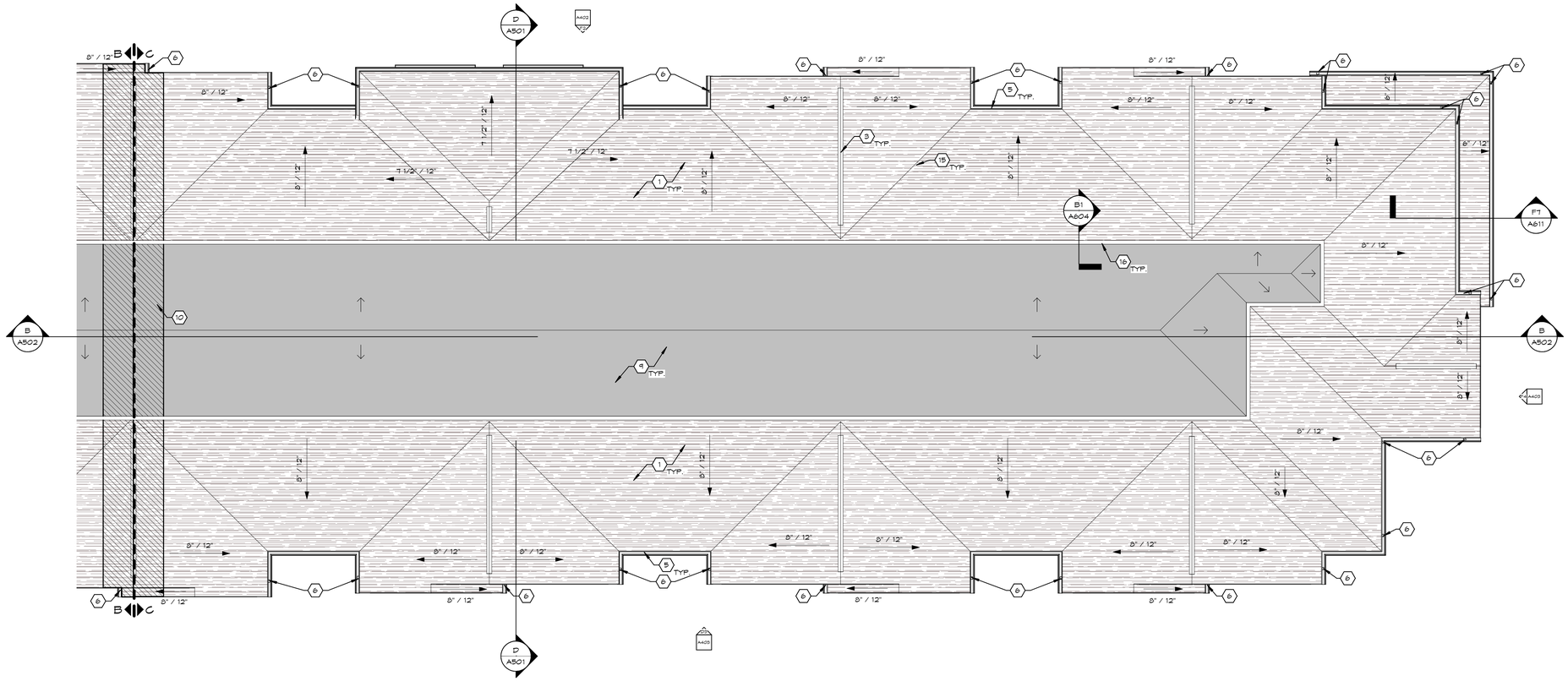


F3 ROOF PLAN - AREA C

1/8" = 1'-0"

ROOF CODED NOTES:

1. DIMENSIONAL ASPHALT SHINGLES OVER ROOFING FELT, ICE DAM MEMBRANE, ACCESSORIES ETC., OVER ROOF SHEATHING. SEE SPECIFICATION SECTION 07 31 00 AND 07 62 00.

2. FULLY ADHERED 0.060" EPDM ROOFING MEMBRANE SYSTEM OVER 1/2" COVER BOARD ON MIN. R-25 LTTR RIGID ROOF INSULATION TAPERED @ 1/4" PER FT. OVER. ROOF SHEATHING ON ROOF TRUSSES. SEE STRUCTURAL DWGS. AND ARCHITECTURAL SECTIONS FOR MORE INFO.

3. CONTINUOUS RIDGE VENT. SEE DETAIL A3 / A604 .

4. HALF RIDGE VENT. SEE DETAIL C1 / A604.

5. PREFINISHED ALUMINUM 6" OGEE GUTTER.

6. PREFINISHED ALUMINUM 3" X 4" DOWNSPOUT. TIE TO PERIMETER STORM LINES WITH PVC BOOT. SEE CIVIL DWGS. FOR MORE INFO.

7. APPROXIMATE LOCATION OF NEW MECHANICAL EQUIPMENT. SEE MEP AND STRUC. DRAWINGS FOR MORE INFO, TYP.

8. 2'X2' EPDM ROOF MATS LOCATED TO PROVIDE ACCESS AROUND ALL ROOF TOP MECH. EQUIP. HEAT WELDED TO ROOF. PADS SHOULD BE 1'-0" APART. COORDINATE EXACT LOCATION WITH OWNER AND CONTRACTORS IN FIELD.

9. FULLY ADHERED 0.060" EPDM ROOFING MEMBRANE SYSTEM OVER MIN. 1/2" RIGID INSULATION TAPERED AT MIN. 1/4" PER 1'-0" OVER ROOF SHEATHING ON ROOF TRUSSES. SEE STRUCTURAL DWGS. AND ARCHITECTURAL SECTIONS FOR MORE INFO.

10. F.R.T. PLYWOOD ROOF SHEATHING. EXTEND MIN 4'-0" BEYOND FIRE WALL EACH WAY. SEE DETAIL E1 / A604

11. PRIMARY AND SECONDARY ROOF DRAIN. SEE DETAIL E5 / A604 AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.

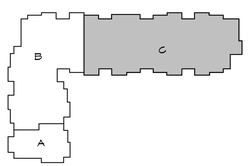
12. 30"W X 36"H ROOF ACCESS HATCH. SEE DETAIL D1 / A605 FOR MORE INFORMATION.

13. TRASH CHUTE. SEE F1 / A612 FOR MORE INFO.

14. ROOF CRICKET AS REQUIRED. COORDINATE WITH ROOF SLOPE.

15. ROOF VALLEY. SEE DETAILD3 / A605

16. CONTINUOUS SMART VENT. SEE B1 / A604



KEY PLAN
N.T.S

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Dublin, Ohio 43017

NO.	DATE	REVISION

JOB NO. : 2025-21

PHASE : CONSTRUCTION DOCUMENTS

ISSUED FOR : 80% BID SET

DATE : 1/06/2026

ROOF PLAN - AREA C

A242

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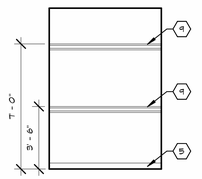
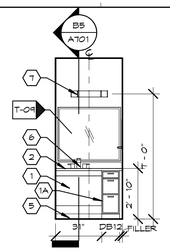
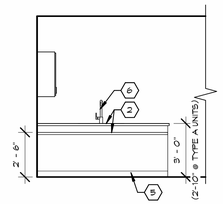


A7 INTERIOR ELEVATION
1/4" = 1'-0" REF. SHEET: F3 / A251



A6 INTERIOR ELEVATION
1/4" = 1'-0" REF. SHEET: F3 / A251



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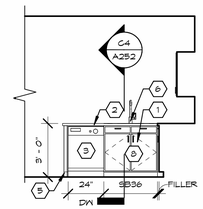
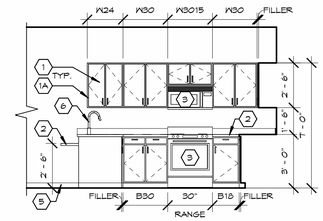
1/4" = 1'-0" REF. SHEET: F3 / A251



A4 INTERIOR ELEVATION
1/4" = 1'-0" REF. SHEET: F3 / A251



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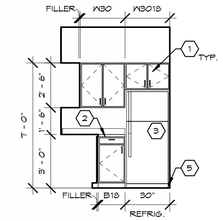

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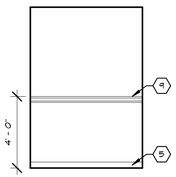
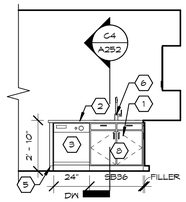
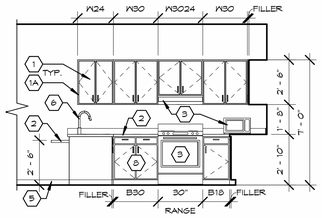


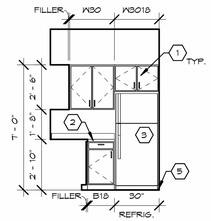
B7 INTERIOR ELEVATION
1/4" = 1'-0" REF. SHEET: F5 / A251



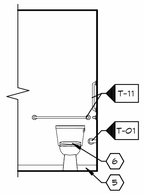
B6 INTERIOR ELEVATION
1/4" = 1'-0" REF. SHEET: F5 / A251



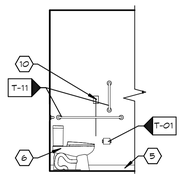
B5 INTERIOR ELEVATION
1/4" = 1'-0" REF. SHEET: F5 / A251



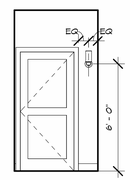
B4 INTERIOR ELEVATION
1/4" = 1'-0" REF. SHEET: F5 / A251



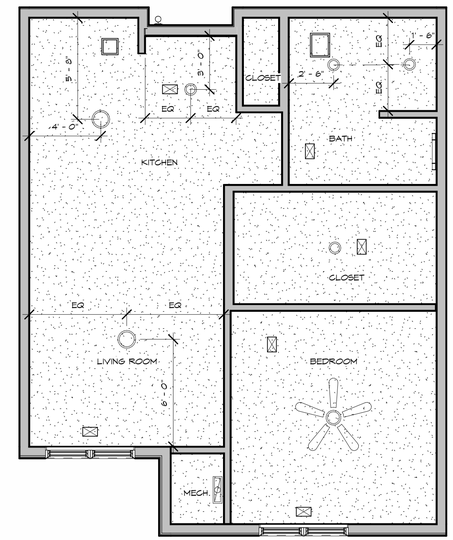
C7 INTERIOR ELEVATION
1/4" = 1'-0" REF. SHEET: F5 / A251



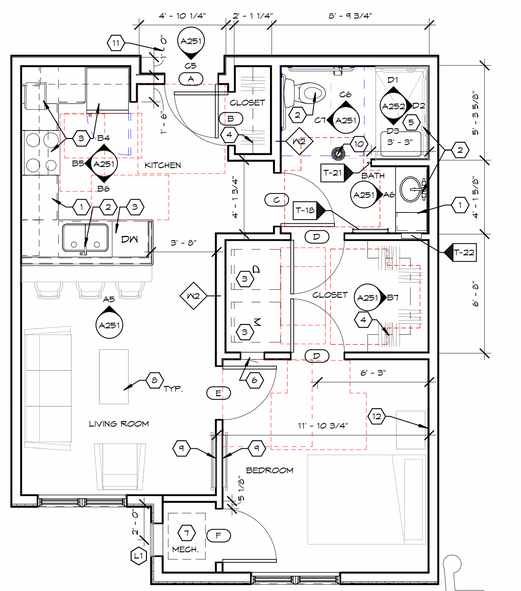
C6 INTERIOR ELEVATION
1/4" = 1'-0" REF. SHEET: F5 / A251



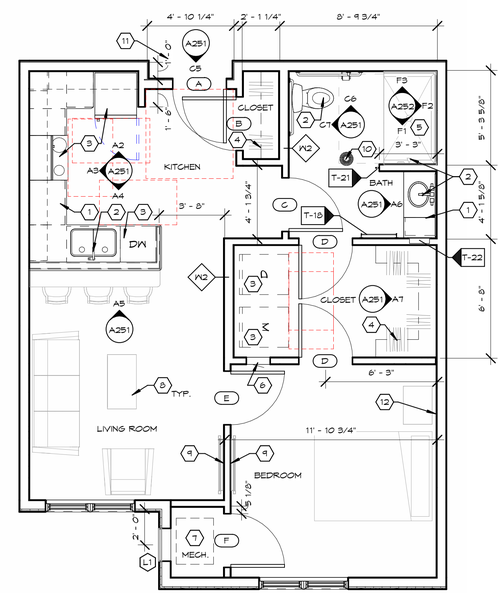
C5 INTERIOR ELEVATION
1/4" = 1'-0" REF. SHEET: F5 / A251



C3 REFLECTED CEILING PLAN - UNIT A (TYPE B) & A (TYPE A)
1/4" = 1'-0"



F5 FLOOR PLAN - UNIT A (TYPE A)
1/4" = 1'-0" SECTION 504 MOBILITY UNIT



F3 FLOOR PLAN - UNIT A (TYPE B)
1/4" = 1'-0"

TOILET ACCESSORY NOTES:

ALL TOILET ACCESSORIES PROVIDED AND INSTALLED BY G.C. UNLESS OTHERWISE NOTED. G.C. TO PROVIDE SOLID BLOCKING AS REQUIRED FOR ALL WALL HUNG ITEM. TYP. COORDINATE EXACT LOCATION IN FIELD W/ OWNER.

SPEC ID#	DESCRIPTION	COMMENTS
T-01	TOILET PAPER DISPENSER	SINGLE/SURFACE
T-04	TOWEL DISP. / WASTE RECEP.	RECESSED/MAN.
T-09	MIRROR	MATCH COUNTER LENGTH
T-11	GRAB BAR (SEE G001 FOR TYP. SIZE)	
T-13	SHOWER CURTAIN ROD	
T-15	SHOWER SEAT	FOLDING 30X60
T-18	TOWEL BAR	24"
T-21	ROBE HOOK	
T-22	MEDICINE CABINET	RECESSED
T-26	MOP & BROOM HOLDER	

UNIT INTERIOR ELEVATION CODED NOTES: (X)

1. MANUFACTURED CASEWORK.
G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQUIRED.
1A. PROVIDE FINISHED END PANEL TO MATCH CABINETS.

2. COUNTERTOP AND BACKSPLASH BY G.C. SEE FINISH SCHEDULE. VERIFY FINISHES WITH OWNER PRIOR TO ORDERING ANY MATERIALS AND COMMENCING ANY WORK. G.C. TO PROVIDE STL. ANGLE SUPPORTS AS NEEDED.
2A. COUNTERTOP SUPPORT BRACKET

3. RESIDENTIAL APPLIANCES AND EQUIPMENT. G.C. PROVIDED, G.C. INSTALLED. SEE APPLIANCE SCHEDULE FOR MORE INFO.

4. PREFABRICATED SHOWER UNIT. VERIFY ROUGH OPENING REQUIREMENTS WITH SELECTED MANUFACTURER. SEE PLANS, PLUMBING DRAWINGS, TOILET ACCESSORY SCHEDULE AND BASIN/FLOOR DETAILS ON A252 FOR MORE INFORMATION.

5. WALL BASE. SEE FINISH SCHEDULE

6. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

7. LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

8. REMOVABLE BASE CABINET PER ANSI A117.1. FLOOR AND WALL FINISH TO EXTEND UNDER/BEHIND CABINET.

9. SHELF WITH COAT ROD. SEE DETAIL

10. NURSE CALL SYSTEM. COORDINATE [A3V]A252]ATIONS WITH OWNER. SEE MOUNTING HEIGHT SCHEDULE FOR ADDITIONAL INFO.

APPLIANCE SCHEDULE

UNITS
REFRIGERATOR - GE GTE17DTNRBB
RANGE - GE JB256DMBB*
RANGE (TYPE A) - GE JB480DTBB*
RANGE HOOD (TYPE A) - BROAN NUTON F403023
MICROWAVE/HOOD - GE JVM3162DJBB
MICROWAVE/COUNTER - WHIRLPOOL WMC10007AB
DISHWASHER - GE GDF510PGRBB
DISHWASHER (TYPE A) - GE GDT225SGLBB
WASHER (FRONT LOAD) - N.I.C.
DRYER (FRONT LOAD) - N.I.C.
*PROVIDE THERMALINK GREASE SHIELD T3160032F, BLACK
COMMON SPACES
REFRIGERATOR - WHIRLPOOL WRS9355SDHM
U.C. REFRIGERATOR - SUMMIT AL54
WALL OVEN & MICROWAVE - WHIRLPOOL WOEC1030PZ
DISHWASHER (ADA) - WHIRLPOOL WDT5505AFZ
WASHER AND DRYER - N.I.C.

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. – – – – – DASHED LINE, INDICATES 1/4" GYP. CONTROL JOINT BY CLARK DIETRICH OR EQUAL, U.N.O.

RCP MATERIAL LEGEND:

ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)

NON RATED GYP BOARD CEILING/SOFFIT

RCP FIXTURE LEGEND:

ATTIC ACCESS DOOR
RECESSED CAN LIGHT
SUPPLY AIR
SURFACE MOUNTED LIGHT
RETURN AIR
VANITY LIGHT
EXHAUST FAN
CEILING FAN

UNIT REFLECTED CEILING CODED NOTES: (X)

1. NON-RATED GYP. CEILING ASSEMBLY. (1) LAYER 5/8" GYP. OVER 2X4 F.R.T. WOOD OR METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.

UNIT FLOOR PLAN CODED NOTES: (X)

1. MANUFACTURED MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQUIRED. TYP. SEE FINISH PLAN SCHEDULE FOR ADDITIONAL INFORMATION.

2. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

3. RESIDENTIAL APPLIANCES. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION. G.C. TO COORDINATE EXACT LOCATIONS AND MEP REQUIREMENTS PRIOR TO ANY ROUGH-IN WORK, TYP.

4. PREFINISHED VINYL CLAD STEEL ROD SHELVING. SEE DETAIL A3 / A252

5. PRE-FABRICATED 36"X60" CLEAR SHOWER STALL - VERIFY ROUGH OPENING REQ'S WITH SELECTED MFR. SEE DETAILS ON A252 FOR MORE INFO.

6. ELECTRICAL PANEL. MOUNT AT 48" AFF TO THE HIGHEST BREAKER. PAINT PANEL SURROUND AND DOOR TO MATCH WALL. SEE ELECTRICAL FOR MORE INFORMATION.

7. VTAC UNIT. SEE MEP DWGS. FOR MORE INFORMATION.

8. FURNITURE PROVIDED BY OWNER. INSTALLED BY G.C. TYP.

9. TV PROVIDED BY OWNER. G.C. TO PROVIDE BLOCKING AS REQUIRED. SEE PLANS AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. G.C. TO INSTALL OWNER PROVIDED TV BRACKETS.

10. FLOOR DRAIN - SEE PLUMBING DWGS. FOR MORE INFO.

11. SEE SHEET A253 FOR UNIT ENTRIES #117-120, #217-220, #317-320.

12. NURSE CALL SYSTEM. COORDINATE EXACT LOCATIONS WITH OWNER. SEE MOUNTING HEIGHT SCHEDULE FOR ADDITIONAL INFO.

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UNIT PLANS

A251

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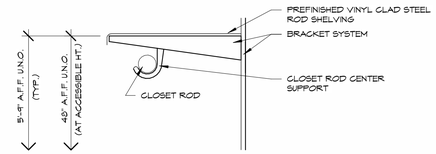

A3 CLOSET SHELF AND ROD

1 1/2" = 1'-0"

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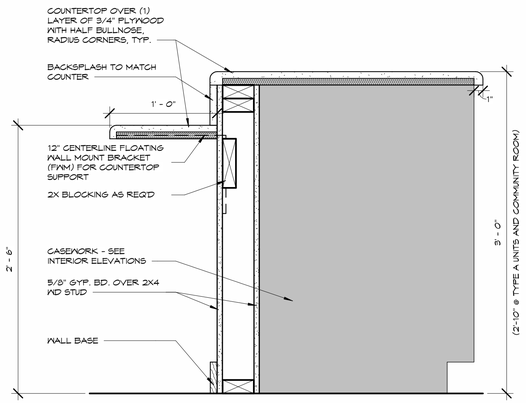
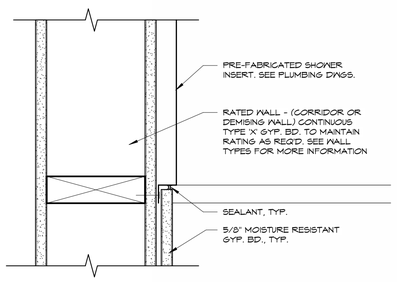


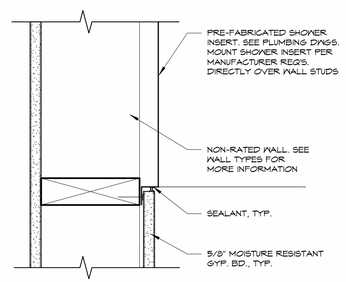
C4 SECTION DETAIL

1 1/2" = 1'-0"



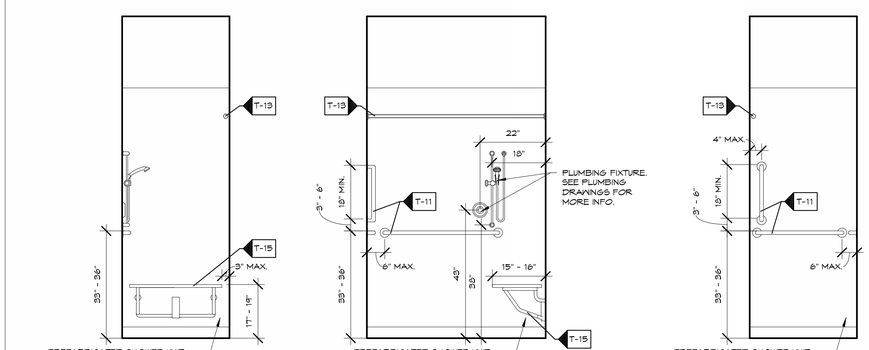
D6 SHOWER PLAN DETAIL (AT RATED WALL)

3" = 1'-0"



D4 SHOWER PLAN DETAIL

3" = 1'-0"



D3 INTERIOR ELEVATION

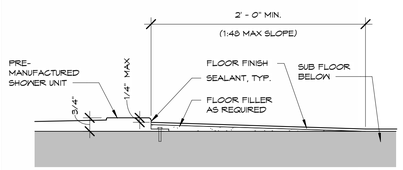
1/2" = 1'-0"

D2 INTERIOR ELEVATION

1/2" = 1'-0"

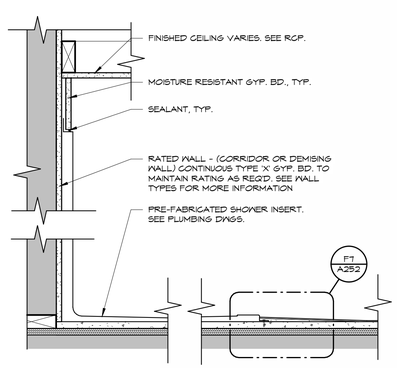
D1 INTERIOR ELEVATION

1/2" = 1'-0"



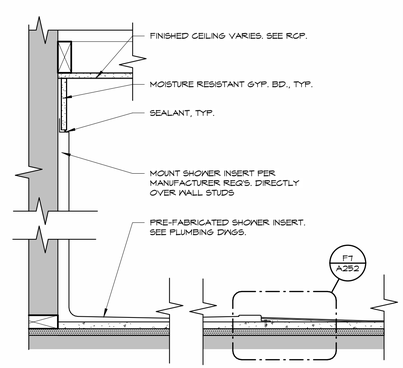
F7 SHOWER THRESHOLD DETAIL

3" = 1'-0" REF. SHEET: F4 / A252



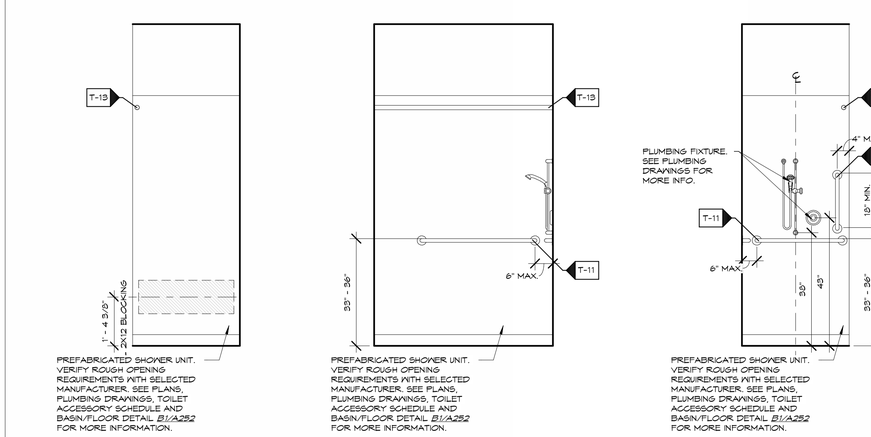
F6 SHOWER SECTION DETAIL (AT RATED WALL)

1 1/2" = 1'-0"



F4 SHOWER SECTION DETAIL

1 1/2" = 1'-0"



F3 INTERIOR ELEVATION

1/2" = 1'-0"

F2 INTERIOR ELEVATION

1/2" = 1'-0"

F1 INTERIOR ELEVATION

1/2" = 1'-0"

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UNIT DETAILS

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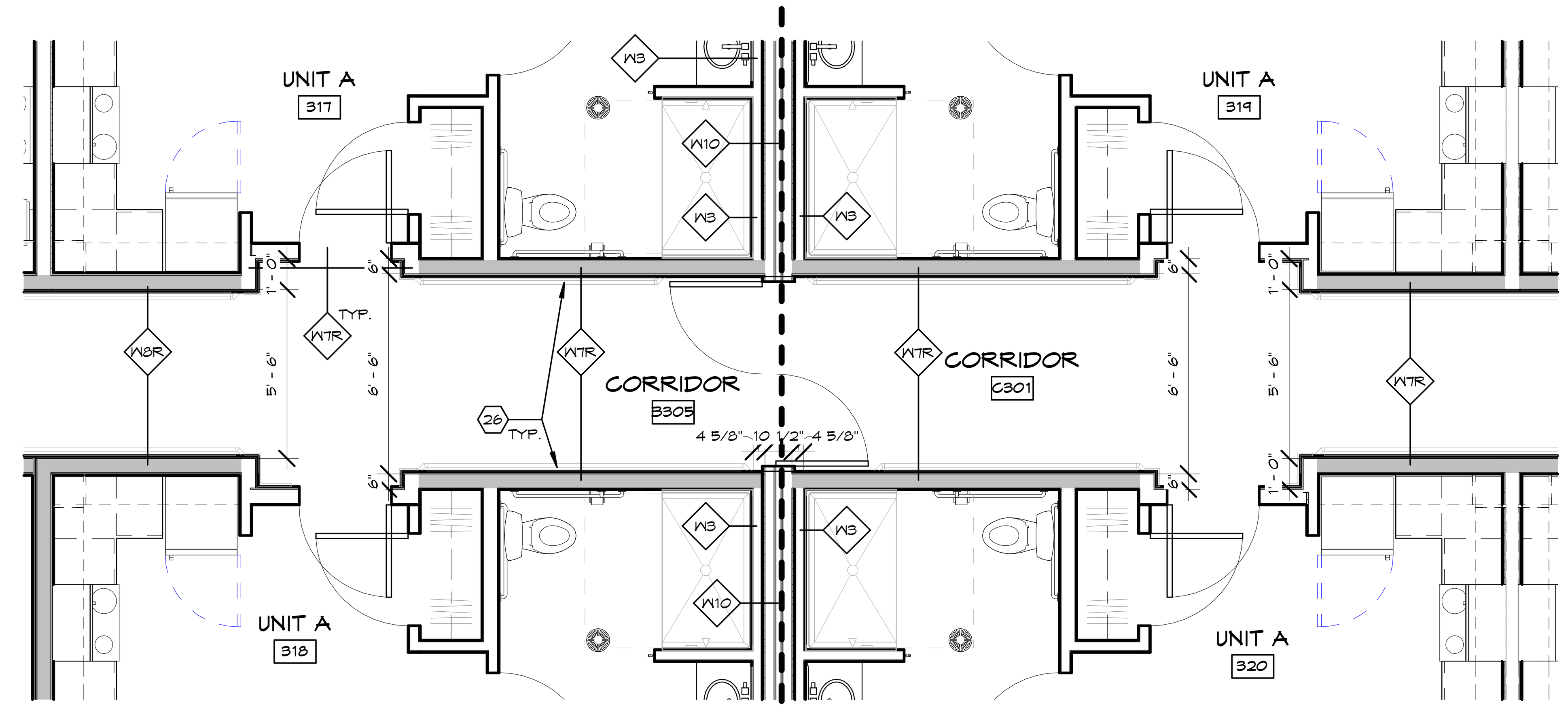
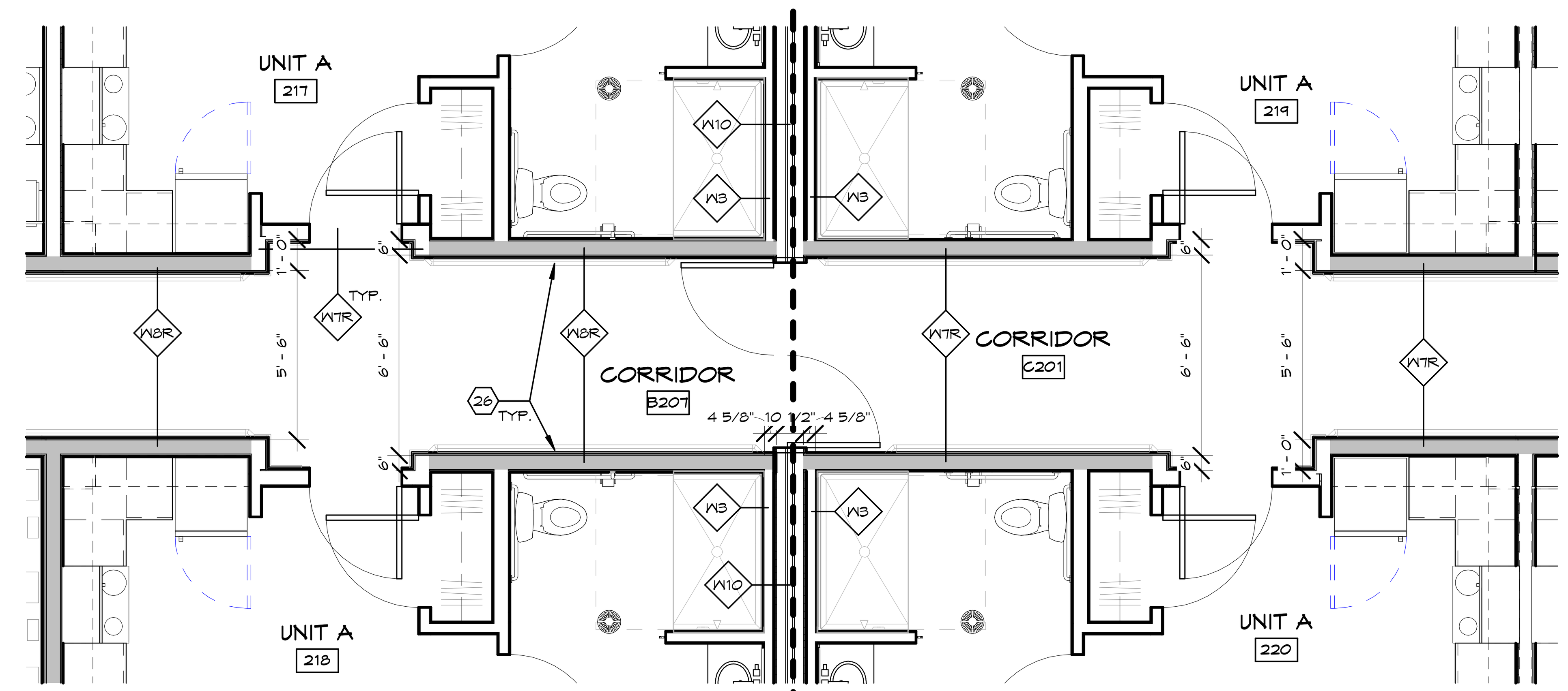


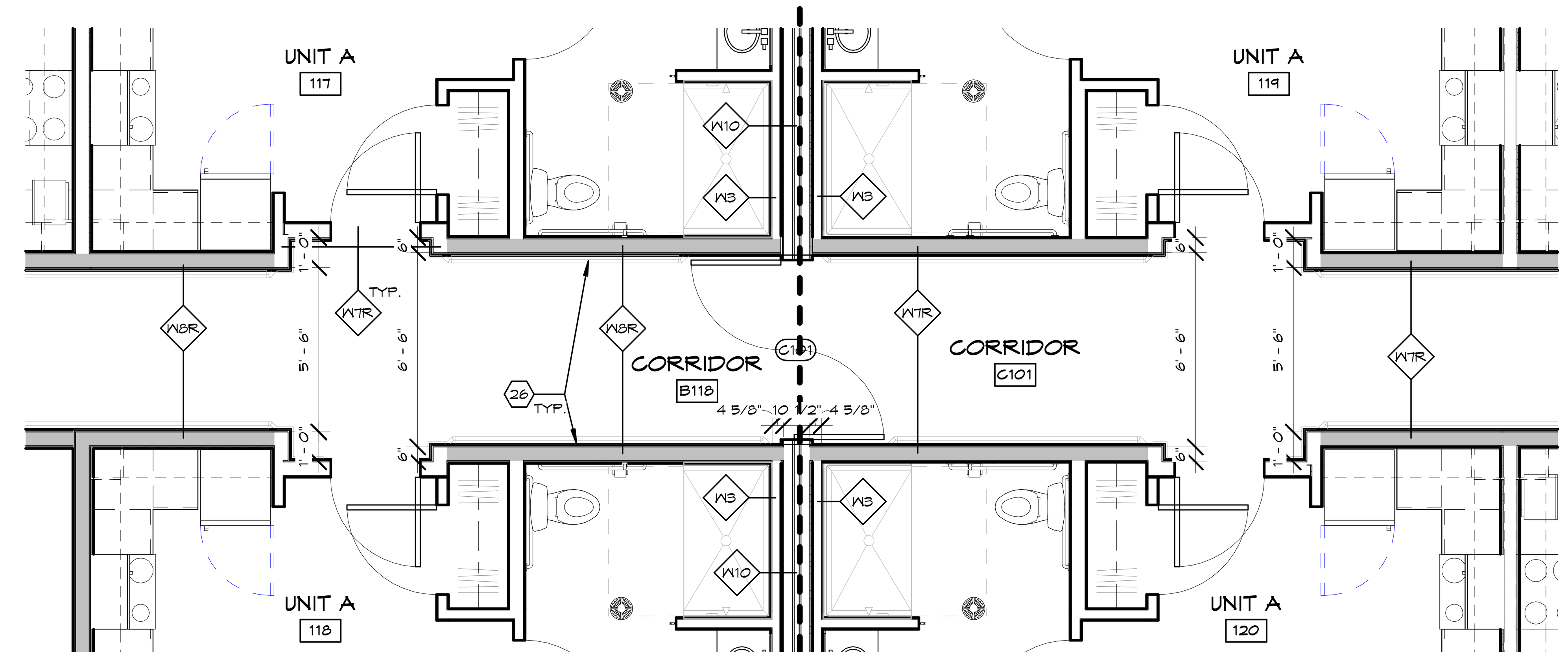
B3 ENLARGED THIRD FLOOR - UNIT ENTRIES

1/4" = 1'-0" REF. SHEET: F6 / G004



D3 ENLARGED SECOND FLOOR - UNIT ENTRIES

1/4" = 1'-0" REF. SHEET: F6 / G004



F3 ENLARGED FIRST FLOOR - UNIT ENTRIES

1/4" = 1'-0" REF. SHEET: F6 / G004

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE G001 FOR MOUNTING HEIGHT AND G003 FOR PLAN DETAIL
2. RECESSED MAILBOX UNITS. SEE B4 / A701 FOR MORE INFO.
3. TACTILE EXIT SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. AT ALL EGRESS EXIT DOORS. SEE G001 FOR MORE INFO.
4. TACTILE STAIR IDENTIFICATION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. SEE G001 FOR MORE INFO.
5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE G001 FOR MORE INFO.
6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON G001
7. TACTILE TWO-WAY COMMUNICATION IDENTIFICATION & DIRECTION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ACCESSIBILITY CODES. SEE G001 FOR MORE INFO.
8. DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF ALL OTHER MEANS OF EGRESS AND WHICH OF THOSE ARE ACCESSIBLE TO COMPLY WITH OBC 1009.10.
9. EXTERIOR HANDRAIL. SEE ELEVATIONS AND DETAILS FOR MORE INFO.
10. DECORATIVE PVC COLUMN. SEE DETAIL D1 / A606 FOR ADDITIONAL INFORMATION.
11. 4" CONCRETE SLAB ON 4" GRAVEL BASE. SLOPE 1/4" PER FOOT AWAY FROM BUILDING. SEE CIVIL DWGS. AND SECTIONS FOR ADDITIONAL INFORMATION.
12. SIDEWALK. SEE CIVIL DWGS.
13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.
14. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.
16. RESIDENTIAL APPLIANCES AND EQUIPMENT PROVIDED BY G.C, INSTALLED BY G.C. G.C. TO COORDINATE WITH OWNER AND PROVIDE ELECTRICAL AND PLUMBING CONNECTIONS AS NEEDED. SEE APPLIANCE SCHEDULE FOR MORE INFO.
17. CASED OPENING. 6'-0" W X 7'-0" H.
18. LADDER TO ROOF HATCH. MAINTAIN FLOOR CLEARANCE. SEE DETAIL F7 / A351 FOR MORE INFORMATION.
19. ACCESS CONTROL CREDENTIAL READER. SEE LOW VOLTAGE, ELECTRICAL AND DOOR HARDWARE SCHEDULE FOR MORE INFORMATION.
20. 24"X24" MOP SINK WITH FRP. UP TO 60" A.F.F. ON ADJACENT WALLS. WALL HUNG MOP HOLDER AND SHELF. G.C. TO PROVIDE SOLID WOOD BLOCKING AS REQUIRED. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
21. KNOX BOX PER LOCAL FIRE DEPARTMENT.
22. FIRE-RATED RENT DROP BOX. THE SAFETY LETTERBOX COMPANY FR3 OR EQUAL. MOUNT BOX WITH DROP SLOT AT 48" MAX. A.F.F
23. WATER TANK. NORWESCO 500 GALLON DOORWAY TANK OR APPROVED EQUAL.
24. TV PROVIDED BY OWNER. GC. TO PROVIDE BLOCKING AS REQUIRED. SEE ELEVATIONS AND ELECTRICAL DWGS FOR MORE INFORMATION. GC TO INSTALL OWNER PROVIDED TV BRACKETS.
25. CHAIR RAIL. SEE DETAIL B1 / A701 FOR MORE INFO.
26. HAND RAIL. SEE DETAIL C2 / A701 FOR MORE INFO.
27. TRASH CHUTE - SEE SPECIFICATIONS FOR MORE INFO.
28. FURNITURE/EQUIPMENT BY OWNER. NIC.
29. TRASH CHUTE DOOR. 18" X 18" SELF CLOSING INTAKE DOOR BY TRASH CHUTE MFR.
30. ROOF DRAIN LINE - SEE MEP DWGS. FOR MORE INFO.
31. PREFINISHED VINYL CLAD STEEL ROD SHELVING.
32. WIRE SHELVING RACKS.
33. PROVIDE CLEAR ANNEALED MIRRORS WITH SAFETY BACKING ALONG INDICATED WALL.
34. FLOOR DRAIN - SEE PLUMBING DWGS. FOR MORE INFO.
35. FUR OUT PORTION OF WALL WITH 1/2" GYP. BD. TO ALIGN FINISH FACE.
36. MECHANICAL LOUVER - SEE MEP DWGS. FOR MORE INFO.
37. CUSTODIAL CART
    A. RUBBERMAID MODEL # FG131500BLA
    B. RUBBERMAID MODEL # 9T14
38. 8'-0" WORK BENCH
39. PORTABLE FIRE EXTINGUISHER. TYPE K, WC 6L.
40. ADD ADDITIONAL LAYER OF 1/2" GWB TO FLUSH INTERIOR WALL SURFACE WITH SHEAR WALL.

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ENLARGED UNIT ENTRY PLANS

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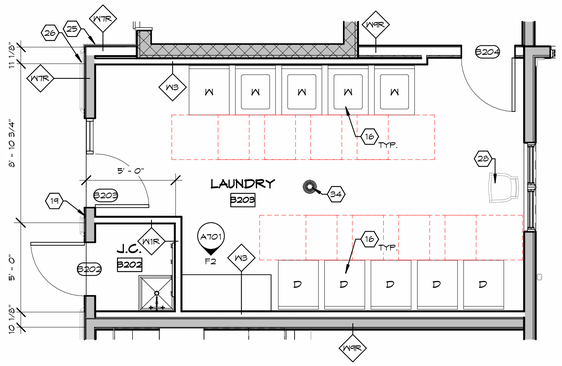
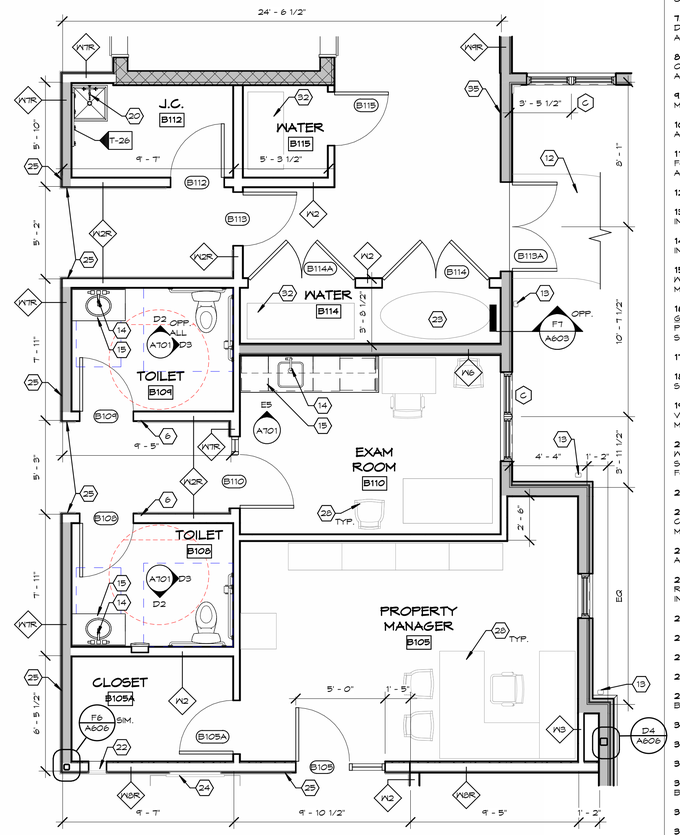


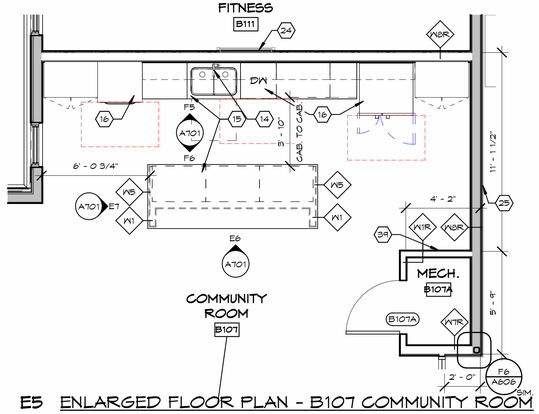
B5 ENLARGED SECOND FLOOR PLAN - B202 LAUNDRY

1/4" = 1'-0" REF. SHEET: F6 / G004



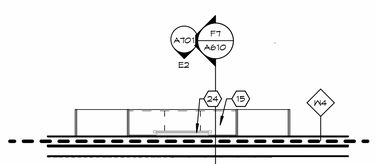
D3 ENLARGED FLOOR PLAN - ADMIN.

1/4" = 1'-0" REF. SHEET: F6 / G004



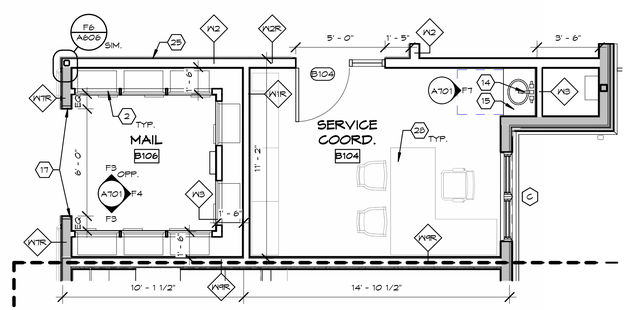
E5 ENLARGED FLOOR PLAN - B107 COMMUNITY ROOM

1/4" = 1'-0" REF. SHEET: F6 / G004



F5 ENLARGED FLOOR PLAN - B107 COMMUNITY ROOM

1/4" = 1'-0" REF. SHEET: F6 / G004



F3 ENLARGED FLOOR PLAN - B104 AND B106 SERVICE COORD. AND MAIL

1/4" = 1'-0" REF. SHEET: F6 / G004

TOILET ACCESSORY NOTES:

ALL TOILET ACCESSORIES PROVIDED AND INSTALLED BY G.C. UNLESS OTHERWISE NOTED. G.C. TO PROVIDE SOLID BLOCKING AS REQUIRED FOR ALL WALL HUNG ITEM. TYP. COORDINATE EXACT LOCATION IN FIELD W/ OWNER.

SPEC ID#	DESCRIPTION	COMMENTS
T-01	TOILET PAPER DISPENSER	SINGLE/SURFACE
T-04	TOWEL DISP. / WASTE RECEP.	RECESSED/MAN.
T-09	MIRROR	MATCH COUNTER LENGTH
T-11	GRAB BAR (SEE G001 FOR TYP. SIZE)	
T-13	SHOWER CURTAIN ROD	
T-15	SHOWER SEAT	FOLDING 30X60
T-18	TOWEL BAR	24"
T-21	ROBE HOOK	
T-22	MEDICINE CABINET	RECESSED
T-26	MOP & BROOM HOLDER	

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **G001** FOR MOUNTING HEIGHT AND **G003** FOR PLAN DETAIL.

2. RECESSED MAILBOX UNITS. SEE B4 / A701 FOR MORE INFO.

3. TACTILE EXIT SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. AT ALL EGRESS EXIT DOORS. SEE **G001** FOR MORE INFO.

4. TACTILE STAIR IDENTIFICATION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. SEE **G001** FOR MORE INFO.

5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE **G001** FOR MORE INFO.

6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON **G001**

7. TACTILE TWO-WAY COMMUNICATION IDENTIFICATION & DIRECTION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ACCESSIBILITY CODES. SEE **G001** FOR MORE INFO.

8. DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF ALL OTHER MEANS OF EGRESS AND WHICH OF THOSE ARE ACCESSIBLE TO COMPLY WITH OBC 1009.10.

9. EXTERIOR HANDRAIL. SEE ELEVATIONS AND DETAILS FOR MORE INFO.

10. DECORATIVE PVC COLUMN. SEE DETAIL D1 / A606 FOR ADDITIONAL INFORMATION.

11. 4" CONCRETE SLAB ON 4" GRAVEL BASE. SLOPE 1/4" PER FOOT AWAY FROM BUILDING. SEE CIVIL DWGS. AND SECTIONS FOR ADDITIONAL INFORMATION.

12. SIDEWALK. SEE CIVIL DWGS.

13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.

14. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.

15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.

16. RESIDENTIAL APPLIANCES AND EQUIPMENT PROVIDED BY G.C. INSTALLED BY G.C. G.C. TO COORDINATE WITH OWNER AND PROVIDE ELECTRICAL AND PLUMBING CONNECTIONS AS NEEDED. SEE APPLIANCE SCHEDULE FOR MORE INFO.

17. CASED OPENING. 6'-0" W X 7'-0" H.

18. LADDER TO ROOF HATCH. MAINTAIN FLOOR CLEARANCE. SEE DETAIL F1 / A551 FOR MORE INFORMATION.

19. ACCESS CONTROL CREDENTIAL READER. SEE LOW VOLTAGE, ELECTRICAL AND DOOR HARDWARE SCHEDULE FOR MORE INFORMATION.

20. 24"X24" MOP SINK WITH FRP UP TO 60" A.F.F. ON ADJACENT WALLS. WALL HUNG MOP HOLDER AND SHELF. G.C. TO PROVIDE SOLID WOOD BLOCKING AS REQUIRED. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.

21. KNOX BOX PER LOCAL FIRE DEPARTMENT.

22. FIRE-RATED RENT DROP BOX. THE SAFETY LETTERBOX COMPANY FR3 OR EQUAL. MOUNT BOX WITH DROP SLOT AT 48" MAX. A.F.F

23. WATER TANK. NORWESCO 500 GALLON DOORWAY TANK OR APPROVED EQUAL.

24. TV PROVIDED BY OWNER. GC. TO PROVIDE BLOCKING AS REQUIRED. SEE ELEVATIONS AND ELECTRICAL DWGS FOR MORE INFORMATION. GC TO INSTALL OWNER PROVIDED TV BRACKETS.

25. CHAIR RAIL. SEE DETAIL B1 / A701 FOR MORE INFO.

26. HAND RAIL. SEE DETAIL C2 / A701 FOR MORE INFO.

27. TRASH CHUTE - SEE SPECIFICATIONS FOR MORE INFO.

28. FURNITURE/EQUIPMENT BY OWNER. N.I.C.

29. TRASH CHUTE DOOR. 18" X 18" SELF CLOSING INTAKE DOOR BY TRASH CHUTE MFR.

30. ROOF DRAIN LINE - SEE MEP DWGS. FOR MORE INFO.

31. PREFINISHED VINYL CLAD STEEL ROD SHELVING.

32. WIRE SHELVING RACKS.

33. PROVIDE CLEAR ANNEALED MIRRORS WITH SAFETY BACKING ALONG INDICATED WALL.

34. FLOOR DRAIN - SEE PLUMBING DWGS. FOR MORE INFO.

35. FUR OUT PORTION OF WALL WITH 1/2" GYP. BD. TO ALIGN FINISH FACE.

36. MECHANICAL LOUVER - SEE MEP DWGS. FOR MORE INFO.

37. CUSTODIAL CART
    A. RUBBERMAID MODEL # FG131500BLA
    B. RUBBERMAID MODEL # 9T14

38. 8'-0" WORK BENCH

39. PORTABLE FIRE EXTINGUISHER. TYPE K, W/ 6L.

40. ADD ADDITIONAL LAYER OF 1/2" GWB TO FLUSH INTERIOR WALL SURFACE WITH SHEAR WALL.

APPLIANCE SCHEDULE

UNITS
REFRIGERATOR - GE GTE17DTNRBB
RANGE - GE JB256DMBB*
RANGE (TYPE A) - GE JB480DTBB*
RANGE HOOD (TYPE A) - BROAN NUTON F403023
MICROWAVE/HOOD - GE JVM3162DJBB
MICROWAVE/COUNTER - WHIRLPOOL WMC10007AB
DISHWASHER - GE GDF510PGRBB
DISHWASHER (TYPE A) - GE GDT225SGLBB
WASHER (FRONT LOAD) - N.I.C.
DRYER (FRONT LOAD) - N.I.C.
*PROVIDE THERMALINK GREASE SHIELD T3160032F, BLACK
COMMON SPACES
REFRIGERATOR - WHIRLPOOL WRS335SDHM
U.C. REFRIGERATOR - SUMMIT AL54
WALL OVEN & MICROWAVE - WHIRLPOOL WCEC7030PZ
DISHWASHER (ADA) - WHIRLPOOL WDT535SAFZ
WASHER AND DRYER - N.I.C.

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ENLARGED PLANS

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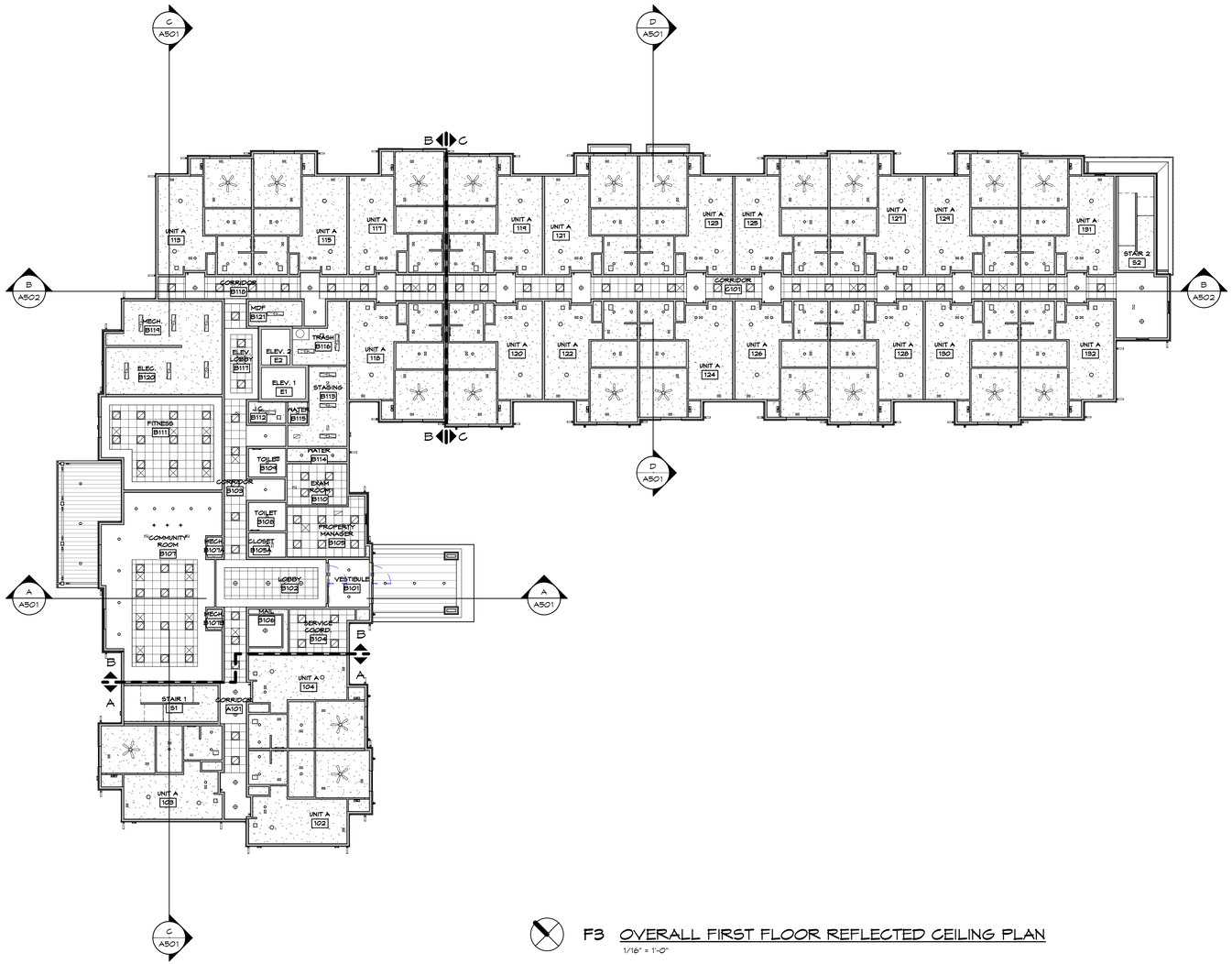


F3 OVERALL FIRST FLOOR REFLECTED CEILING PLAN

1/16" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. – – – – – DASHED LINE, INDICATES GENERAL LOCATION OF 1/4" GYP. CONTROL JOINTS BY CLARK DIETRICH OR EQUAL, U.N.O. G.C. TO COORDINATE WITH GYP. BD. MANUFACTURER TO INSALL ADDITIONAL CONTROL JOINTS AS REQUIRED TO MEET 30 FT O.C. MAX. SPACING.

RCP MATERIAL LEGEND:

ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)

NON RATED GYP BOARD CEILING/SOFFIT

2X2 ACOUSTIC CEILING TILE SYSTEM ACT-1

LINEAR METAL SOFFIT

RCP FIXTURE LEGEND:

ATTIC ACCESS DOOR

SUPPLY AIR

RETURN AIR

2X4 FLUORESCENT LIGHT

1X4 FLUORESCENT LIGHT

EXHAUST FAN

RECESSED CAN LIGHT

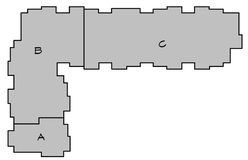
SURFACE MOUNTED LIGHT

VANITY LIGHT

PENDANT LIGHT

CHANDELIER

CEILING FAN



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OVERALL FIRST FLOOR REFLECTED CEILING PLAN

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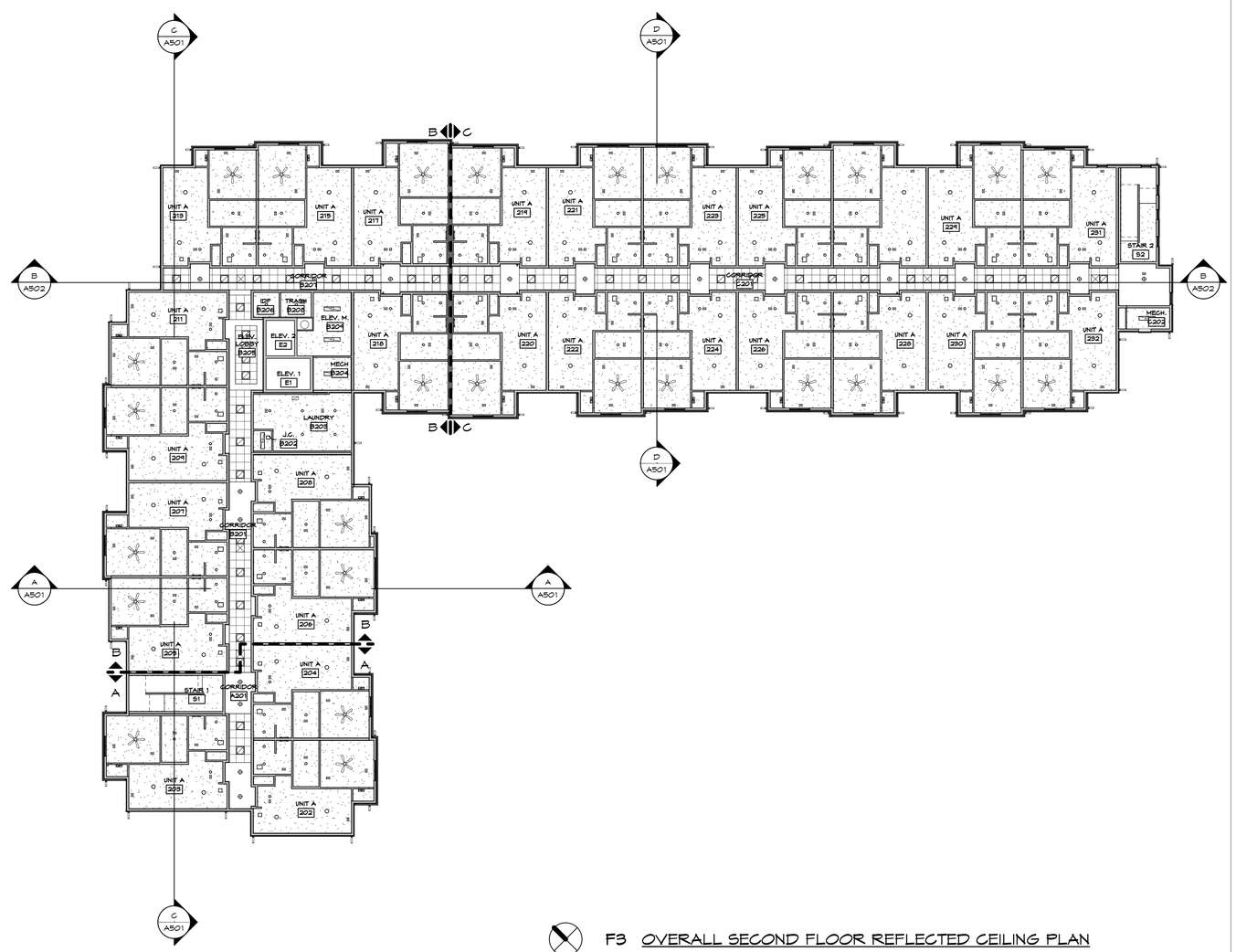

F3 OVERALL SECOND FLOOR REFLECTED CEILING PLAN

1/16" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. – – – – – DASHED LINE, INDICATES GENERAL LOCATION OF 1/4" GYP. CONTROL JOINTS BY CLARK DIETRICH OR EQUAL, U.N.O. G.C. TO COORDINATE WITH GYP. BD. MANUFACTURER TO INSALL ADDITIONAL CONTROL JOINTS AS REQUIRED TO MEET 30 FT O.C. MAX. SPACING.

RCP MATERIAL LEGEND:

ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)

NON RATED GYP BOARD CEILING/SOFFIT

2X2 ACOUSTIC CEILING TILE SYSTEM ACT-1

LINEAR METAL SOFFIT

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SUPPLY AIR

RETURN AIR

2X4 FLUORESCENT LIGHT

1X4 FLUORESCENT LIGHT

EXHAUST FAN

RECESSED CAN LIGHT

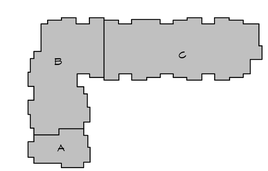
SURFACE MOUNTED LIGHT

VANITY LIGHT

PENDANT LIGHT

CHANDELIER

CEILING FAN



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OVERALL SECOND FLOOR REFLECTED CEILING PLAN

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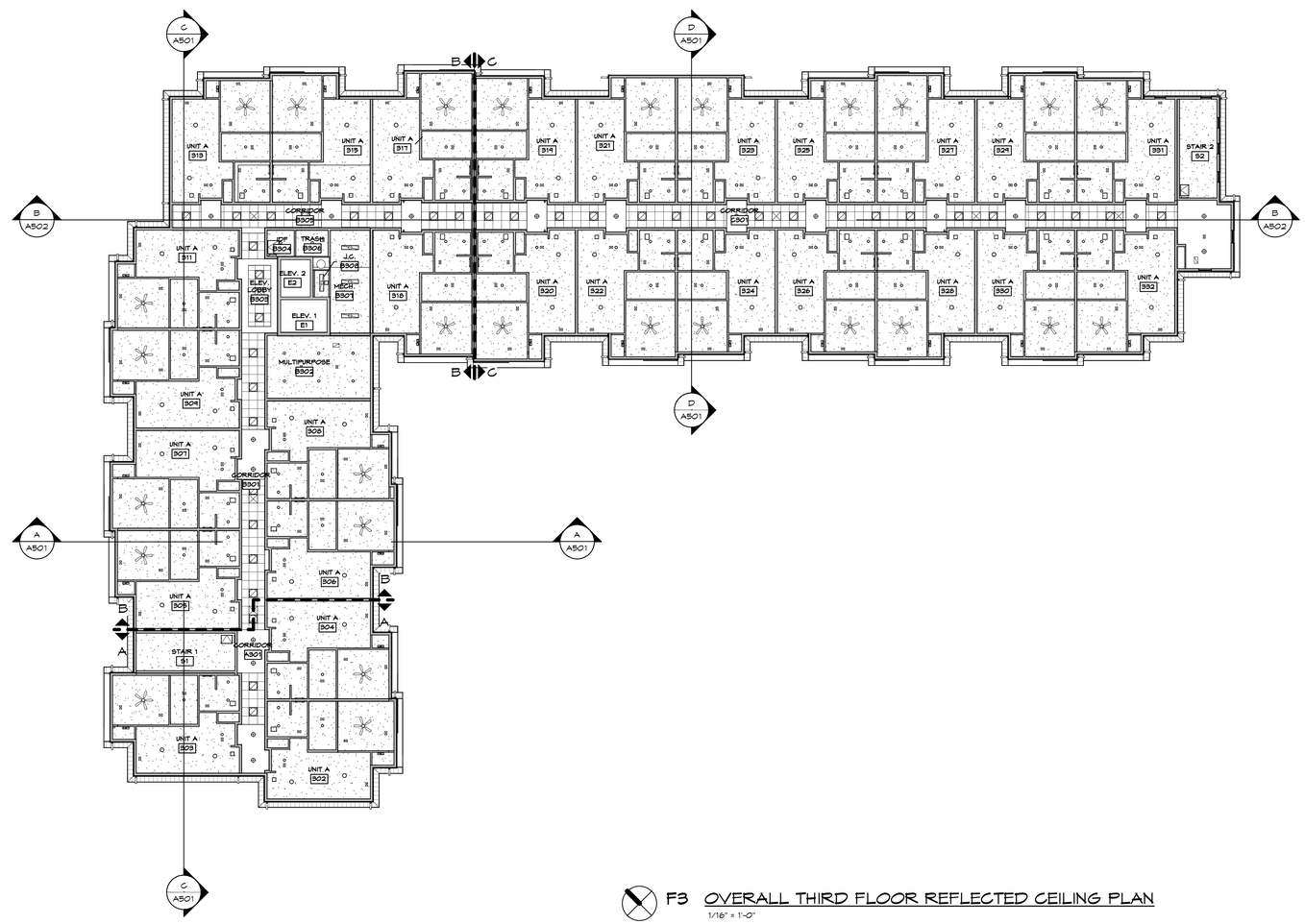


F3 OVERALL THIRD FLOOR REFLECTED CEILING PLAN

1/16" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. – – – – – DASHED LINE, INDICATES GENERAL LOCATION OF 1/4" GYP. CONTROL JOINTS BY CLARK DIETRICH OR EQUAL, U.N.O. G.C. TO COORDINATE WITH GYP. BD. MANUFACTURER TO INSALL ADDITIONAL CONTROL JOINTS AS REQUIRED TO MEET 30 FT O.C. MAX. SPACING.

RCP MATERIAL LEGEND:

ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)

NON RATED GYP BOARD CEILING/SOFFIT

2X2 ACOUSTIC CEILING TILE SYSTEM ACT-1

LINEAR METAL SOFFIT

RCP FIXTURE LEGEND:

ATTIC ACCESS DOOR

SUPPLY AIR

RETURN AIR

2X4 FLUORESCENT LIGHT

1X4 FLUORESCENT LIGHT

EXHAUST FAN

RECESSED CAN LIGHT

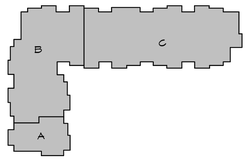
SURFACE MOUNTED LIGHT

VANITY LIGHT

PENDANT LIGHT

CHANDELIER

CEILING FAN



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OVERALL THIRD FLOOR REFLECTED CEILING PLAN

A303

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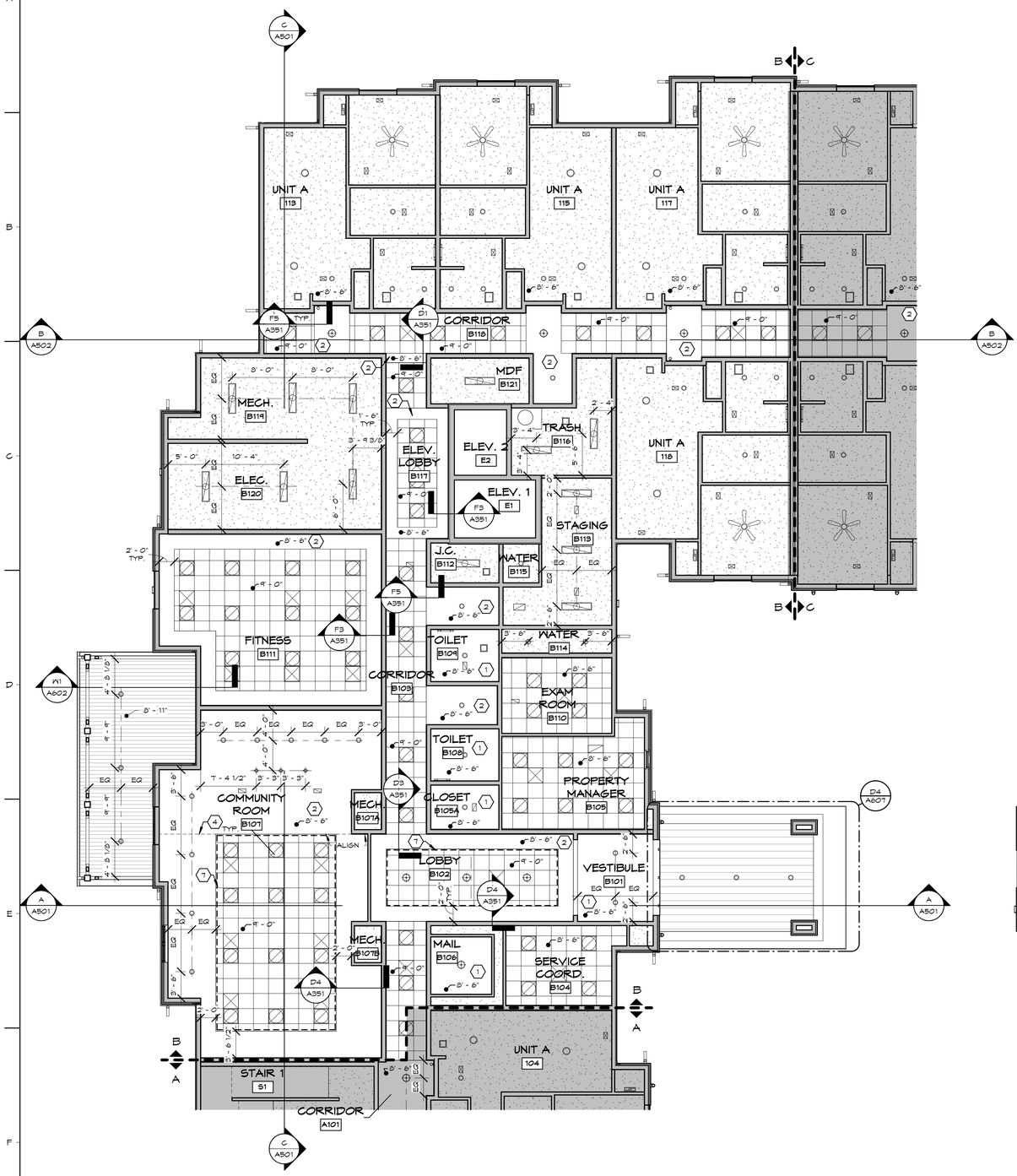
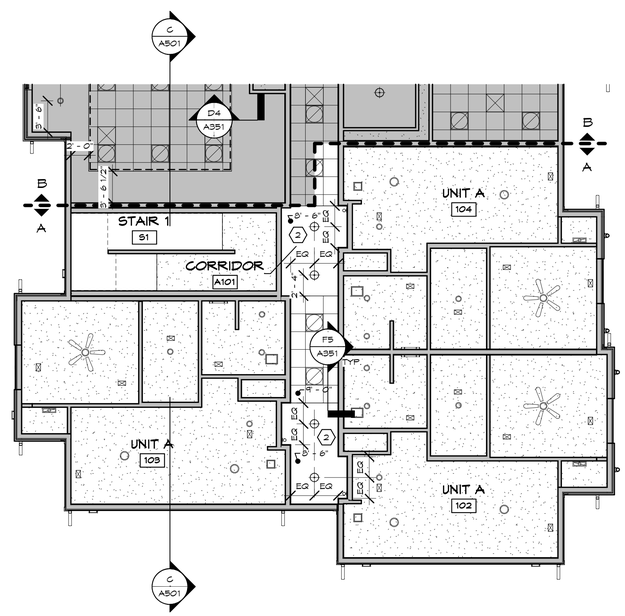


F6 FIRST FLOOR REFLECTED CEILING PLAN - AREA B

1/8" = 1'-0"



F3 FIRST FLOOR REFLECTED CEILING PLAN - AREA A

1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. – – – – – DASHED LINE, INDICATES GENERAL LOCATION OF 1/4" GYP. CONTROL JOINTS BY CLARK DIETRICH OR EQUAL, U.N.O. G.C. TO COORDINATE WITH GYP. BD. MANUFACTURER TO INSALL ADDITIONAL CONTROL JOINTS AS REQUIRED TO MEET 30 FT O.C. MAX. SPACING.

RCP MATERIAL LEGEND:

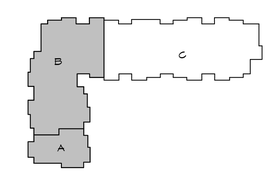
- ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)
- NON RATED GYP BOARD CEILING/SOFFIT
- 2X2 ACOUSTIC CEILING TILE SYSTEM ACT-1
- LINEAR METAL SOFFIT

RCP FIXTURE LEGEND:

- ATTIC ACCESS DOOR
- SUPPLY AIR
- RETURN AIR
- 2X4 FLUORESCENT LIGHT
- 1X4 FLUORESCENT LIGHT
- EXHAUST FAN
- RECESSED CAN LIGHT
- SURFACE MOUNTED LIGHT
- VANITY LIGHT
- PENDANT LIGHT
- CHANDELIER
- CEILING FAN

REFLECTED CEILING CODED NOTES: (X)

1. NON-RATED GYP. CEILING ASSEMBLY. (1) LAYER 5/8" GYP. OVER 2X4 F.R.T. WOOD OR METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
2. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 WOOD FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
3. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 F.R.T. WOOD OR 20 GA METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
4. 1/4" GYP. CONTROL JOINT BY CLARK DIETRICH OR EQUAL
5. 22" X 30" 1 HR. RATED ACCESS PANEL. SEE DETAIL F1 / A351
6. EXTERIOR ALUMINUM SOFFIT. SEE WALL SECTIONS.
7. CROWN MOULDING. SEE INTERIOR DWGS. FOR MORE INFO.
8. 30" X 36" 1 HR. RATED ROOF ACCESS HATCH. SEE D1 / A605 FOR MORE INFO.
9. 4" LUX METAL SOFFIT.
10. FIELD FABRICATED BENT ALUMINUM.



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FIRST FLOOR REFLECTED CEILING PLAN - AREAS A & B

A311

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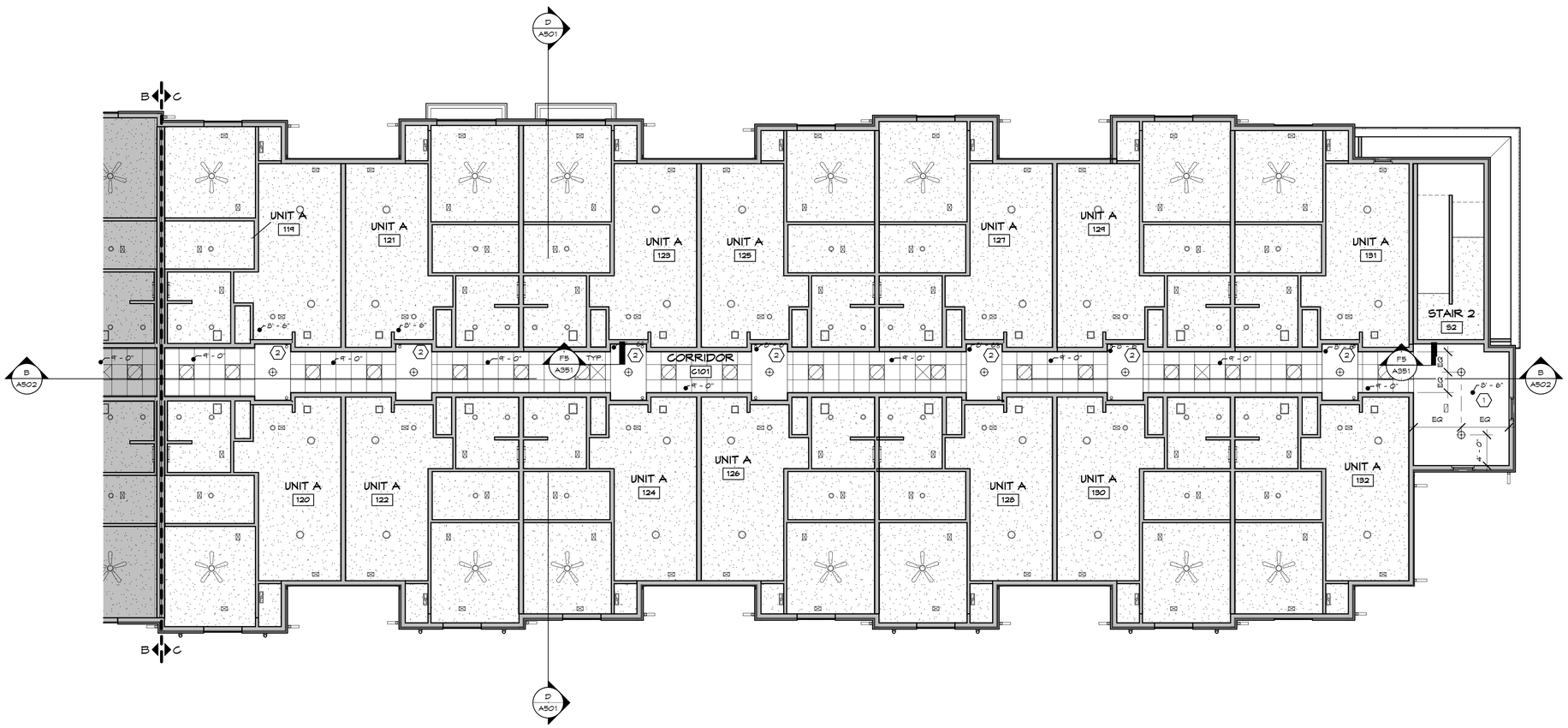


F3 FIRST FLOOR REFLECTED CEILING PLAN - AREA C

1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. – – – – – DASHED LINE, INDICATES GENERAL LOCATION OF 1/4" GYP. CONTROL JOINTS BY CLARK DIETRICH OR EQUAL, U.N.O. G.C. TO COORDINATE WITH GYP. BD. MANUFACTURER TO INSALL ADDITIONAL CONTROL JOINTS AS REQUIRED TO MEET 30 FT O.C. MAX. SPACING.

RCP MATERIAL LEGEND:

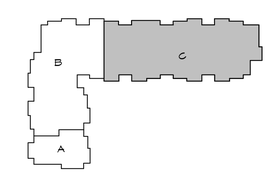
- ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)
- NON RATED GYP BOARD CEILING/SOFFIT
- 2X2 ACOUSTIC CEILING TILE SYSTEM ACT-1
- LINEAR METAL SOFFIT

RCP FIXTURE LEGEND:

- ATTIC ACCESS DOOR
- SUPPLY AIR
- RETURN AIR
- 2X4 FLUORESCENT LIGHT
- 1X4 FLUORESCENT LIGHT
- EXHAUST FAN
- RECESSED CAN LIGHT
- SURFACE MOUNTED LIGHT
- VANITY LIGHT
- PENDANT LIGHT
- CHANDELIER
- CEILING FAN

REFLECTED CEILING CODED NOTES: (X)

1. NON-RATED GYP. CEILING ASSEMBLY. (1) LAYER 5/8" GYP. OVER 2X4 F.R.T. WOOD OR METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
2. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 WOOD FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
3. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 F.R.T. WOOD OR 20 GA METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
4. 1/4" GYP. CONTROL JOINT BY CLARK DIETRICH OR EQUAL
5. 22" X 30" 1 HR. RATED ACCESS PANEL. SEE DETAIL F1 / A351
6. EXTERIOR ALUMINUM SOFFIT. SEE WALL SECTIONS.
7. CROWN MOULDING. SEE INTERIOR DWGS. FOR MORE INFO.
8. 30" X 36" 1 HR. RATED ROOF ACCESS HATCH. SEE D1 / A605 FOR MORE INFO.
9. 4" LUX METAL SOFFIT.
10. FIELD FABRICATED BENT ALUMINUM.



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FIRST FLOOR REFLECTED CEILING PLAN - AREA C

A312

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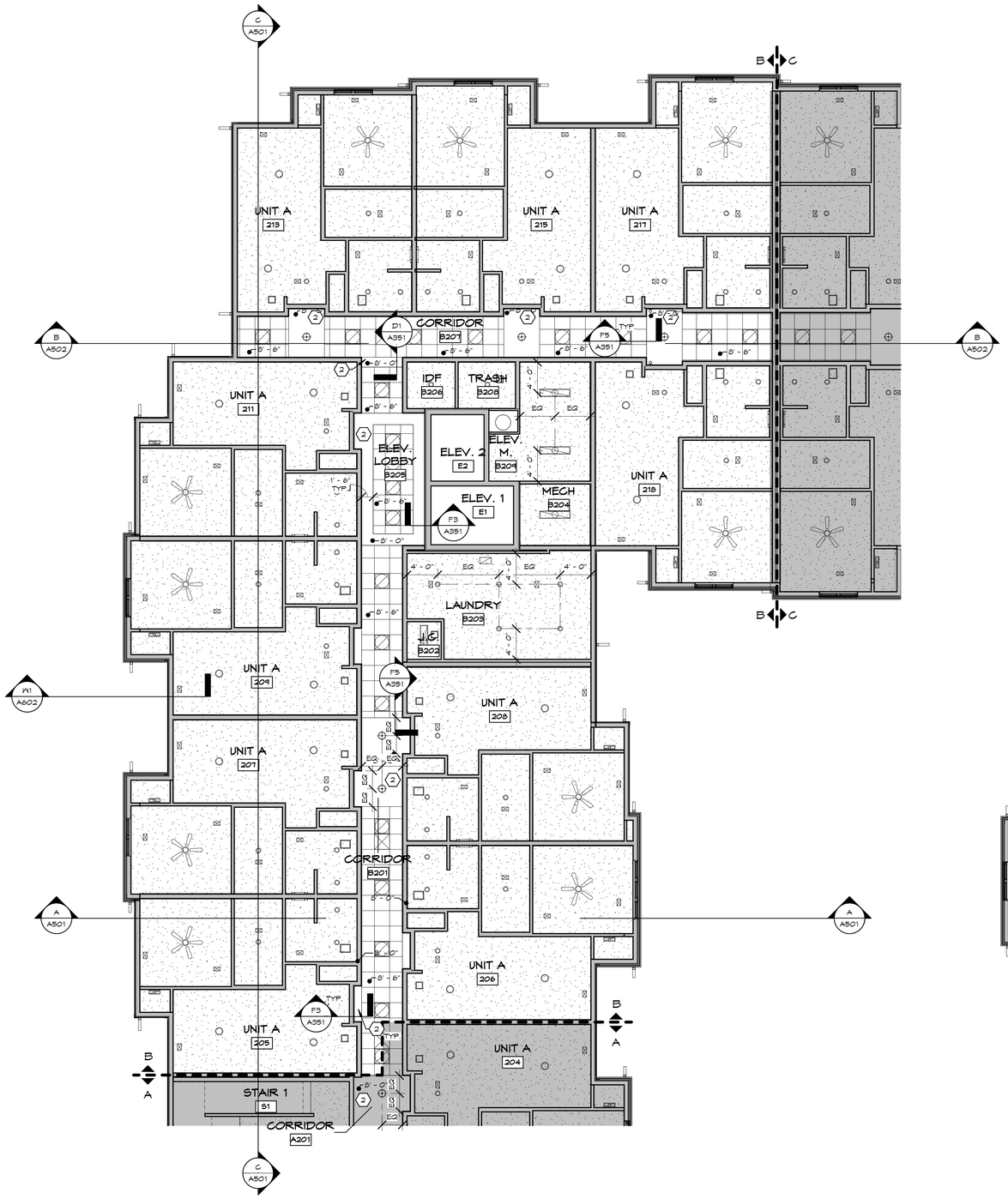
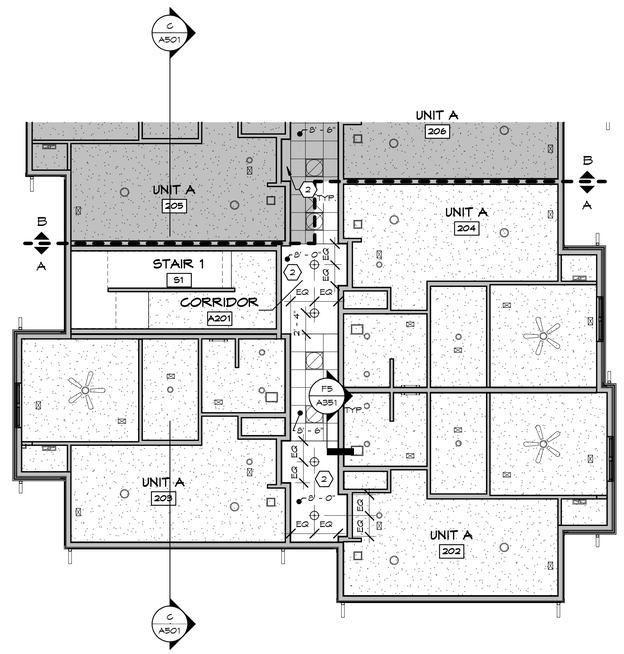


F6 SECOND FLOOR REFLECTED CEILING PLAN - AREA B
1/8" = 1'-0"



F3 SECOND FLOOR REFLECTED CEILING PLAN - AREA A
1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. – – – – – DASHED LINE, INDICATES GENERAL LOCATION OF 1/4" GYP. CONTROL JOINTS BY CLARK DIETRICH OR EQUAL, U.N.O. G.C. TO COORDINATE WITH GYP. BD. MANUFACTURER TO INSALL ADDITIONAL CONTROL JOINTS AS REQUIRED TO MEET 30 FT O.C. MAX. SPACING.

RCP MATERIAL LEGEND:

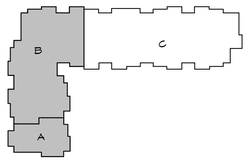
- ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)
- NON RATED GYP BOARD CEILING/SOFFIT
- 2X2 ACOUSTIC CEILING TILE SYSTEM ACT-1
- LINEAR METAL SOFFIT

RCP FIXTURE LEGEND:

- ATTIC ACCESS DOOR
- SUPPLY AIR
- RETURN AIR
- 2X4 FLUORESCENT LIGHT
- 1X4 FLUORESCENT LIGHT
- EXHAUST FAN
- RECESSED CAN LIGHT
- SURFACE MOUNTED LIGHT
- VANITY LIGHT
- PENDANT LIGHT
- CHANDELIER
- CEILING FAN

REFLECTED CEILING CODED NOTES: (X)

1. NON-RATED GYP. CEILING ASSEMBLY. (1) LAYER 5/8" GYP. OVER 2X4 F.R.T. WOOD OR METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
2. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 WOOD FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
3. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 F.R.T. WOOD OR 20 GA METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
4. 1/4" GYP. CONTROL JOINT BY CLARK DIETRICH OR EQUAL
5. 22" X 30" 1 HR. RATED ACCESS PANEL. SEE DETAIL F1 / A351
6. EXTERIOR ALUMINUM SOFFIT. SEE WALL SECTIONS.
7. CROWN MOULDING. SEE INTERIOR DWGS. FOR MORE INFO.
8. 30" X 36" 1 HR. RATED ROOF ACCESS HATCH. SEE D1 / A605 FOR MORE INFO.
9. 4" LUX METAL SOFFIT.
10. FIELD FABRICATED BENT ALUMINUM.



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SECOND FLOOR REFLECTED CEILING PLAN - AREAS A & B

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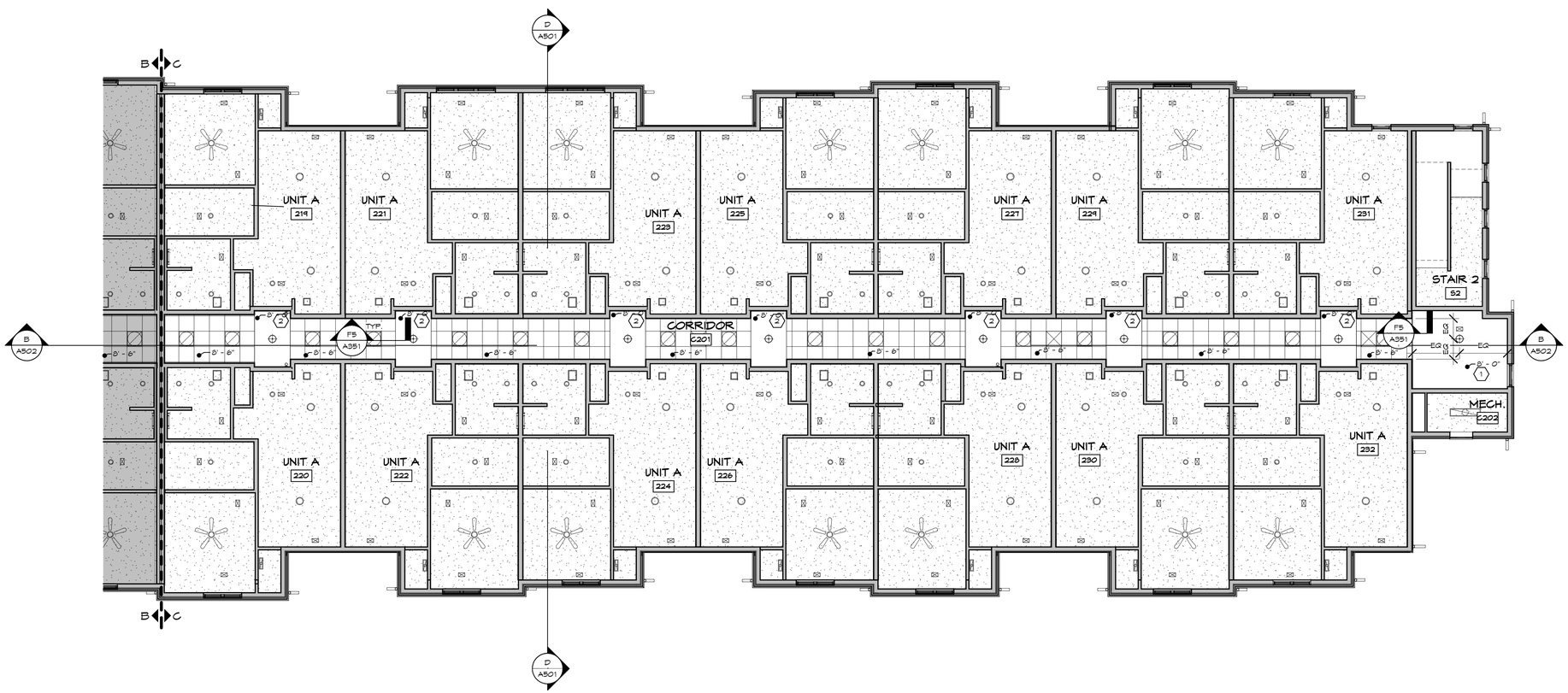

F3 SECOND FLOOR REFLECTED CEILING PLAN - AREA C

1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. – – – – – DASHED LINE, INDICATES GENERAL LOCATION OF 1/4" GYP. CONTROL JOINTS BY CLARK DIETRICH OR EQUAL, U.N.O. G.C. TO COORDINATE WITH GYP. BD. MANUFACTURER TO INSALL ADDITIONAL CONTROL JOINTS AS REQUIRED TO MEET 30 FT O.C. MAX. SPACING.

RCP MATERIAL LEGEND:

ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)

NON RATED GYP BOARD CEILING/SOFFIT

2X2 ACOUSTIC CEILING TILE SYSTEM ACT-1

LINEAR METAL SOFFIT

RCP FIXTURE LEGEND:

ATTIC ACCESS DOOR

SUPPLY AIR

RETURN AIR

2X4 FLUORESCENT LIGHT

1X4 FLUORESCENT LIGHT

EXHAUST FAN

RECESSED CAN LIGHT

SURFACE MOUNTED LIGHT

VANITY LIGHT

PENDANT LIGHT

CHANDELIER

CEILING FAN

REFLECTED CEILING CODED NOTES: (X)

1. NON-RATED GYP. CEILING ASSEMBLY, (1) LAYER 5/8" GYP. OVER 2X4 F.R.T. WOOD OR METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
2. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 WOOD FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
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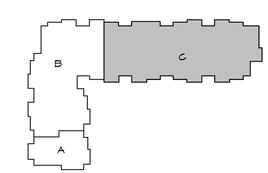
4. 1/4" GYP. CONTROL JOINT BY CLARK DIETRICH OR EQUAL
5. 22" X 30" 1 HR. RATED ACCESS PANEL. SEE DETAIL F1 / A351
6. EXTERIOR ALUMINUM SOFFIT. SEE WALL SECTIONS.
7. CROWN MOULDING. SEE INTERIOR DWGS. FOR MORE INFO.
8. 30" X 36" 1 HR. RATED ROOF ACCESS HATCH. SEE D1 / A605 FOR MORE INFO.
9. 4" LUX METAL SOFFIT.
10. FIELD FABRICATED BENT ALUMINUM.



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SECOND FLOOR REFLECTED CEILING PLAN - AREA C

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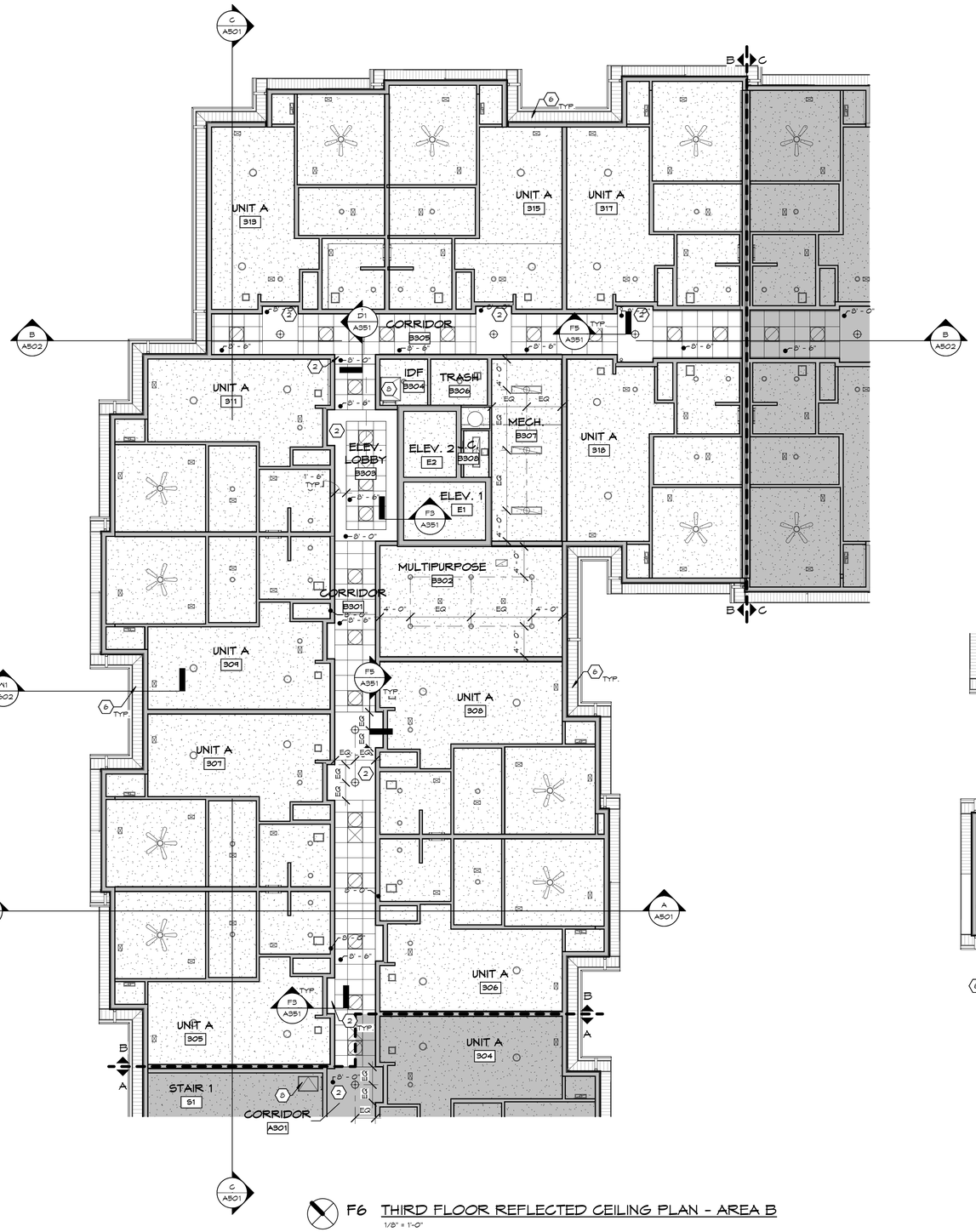
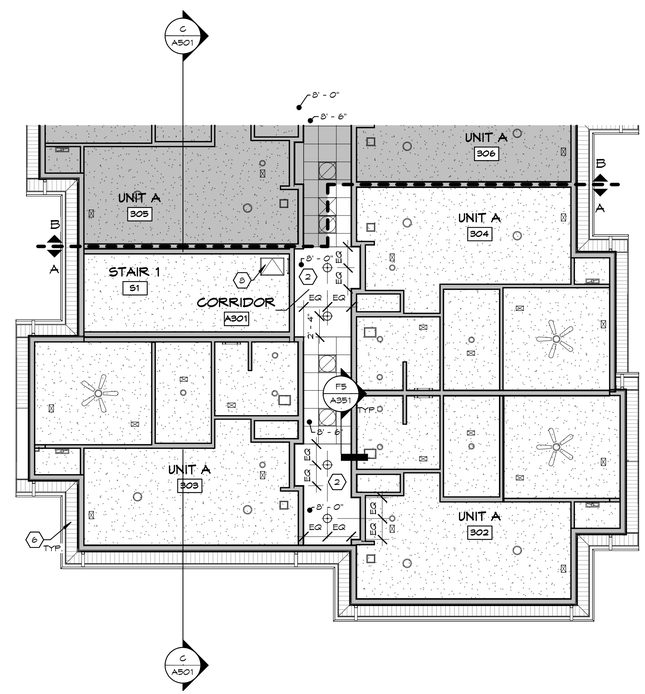


F6 THIRD FLOOR REFLECTED CEILING PLAN - AREA B

1/8" = 1'-0"



F3 THIRD FLOOR REFLECTED CEILING PLAN - AREA A

1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. – – – – – DASHED LINE, INDICATES GENERAL LOCATION OF 1/4" GYP. CONTROL JOINTS BY CLARK DIETRICH OR EQUAL, U.N.O. G.C. TO COORDINATE WITH GYP. BD. MANUFACTURER TO INSALL ADDITIONAL CONTROL JOINTS AS REQUIRED TO MEET 30 FT O.C. MAX. SPACING.

RCP MATERIAL LEGEND:

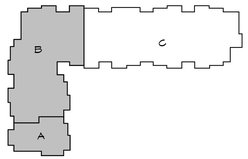
- ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)
- NON RATED GYP BOARD CEILING/SOFFIT
- 2X2 ACOUSTIC CEILING TILE SYSTEM ACT-1
- LINEAR METAL SOFFIT

RCP FIXTURE LEGEND:

- ATTIC ACCESS DOOR
- SUPPLY AIR
- RETURN AIR
- 2X4 FLUORESCENT LIGHT
- 1X4 FLUORESCENT LIGHT
- EXHAUST FAN
- RECESSED CAN LIGHT
- SURFACE MOUNTED LIGHT
- VANITY LIGHT
- PENDANT LIGHT
- CHANDELIER
- CEILING FAN

REFLECTED CEILING CODED NOTES: (X)

1. NON-RATED GYP. CEILING ASSEMBLY. (1) LAYER 5/8" GYP. OVER 2X4 F.R.T. WOOD OR METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
2. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 WOOD FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
3. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 F.R.T. WOOD OR 20 GA METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
4. 1/4" GYP. CONTROL JOINT BY CLARK DIETRICH OR EQUAL
5. 22" X 30" 1 HR. RATED ACCESS PANEL. SEE DETAIL F1 / A351
6. EXTERIOR ALUMINUM SOFFIT. SEE WALL SECTIONS.
7. CROWN MOULDING. SEE INTERIOR DWGS. FOR MORE INFO.
8. 30" X 36" 1 HR. RATED ROOF ACCESS HATCH. SEE D1 / A605 FOR MORE INFO.
9. 4" LUX METAL SOFFIT.
10. FIELD FABRICATED BENT ALUMINUM.



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THIRD FLOOR REFLECTED CEILING PLAN - AREAS A & B

A331

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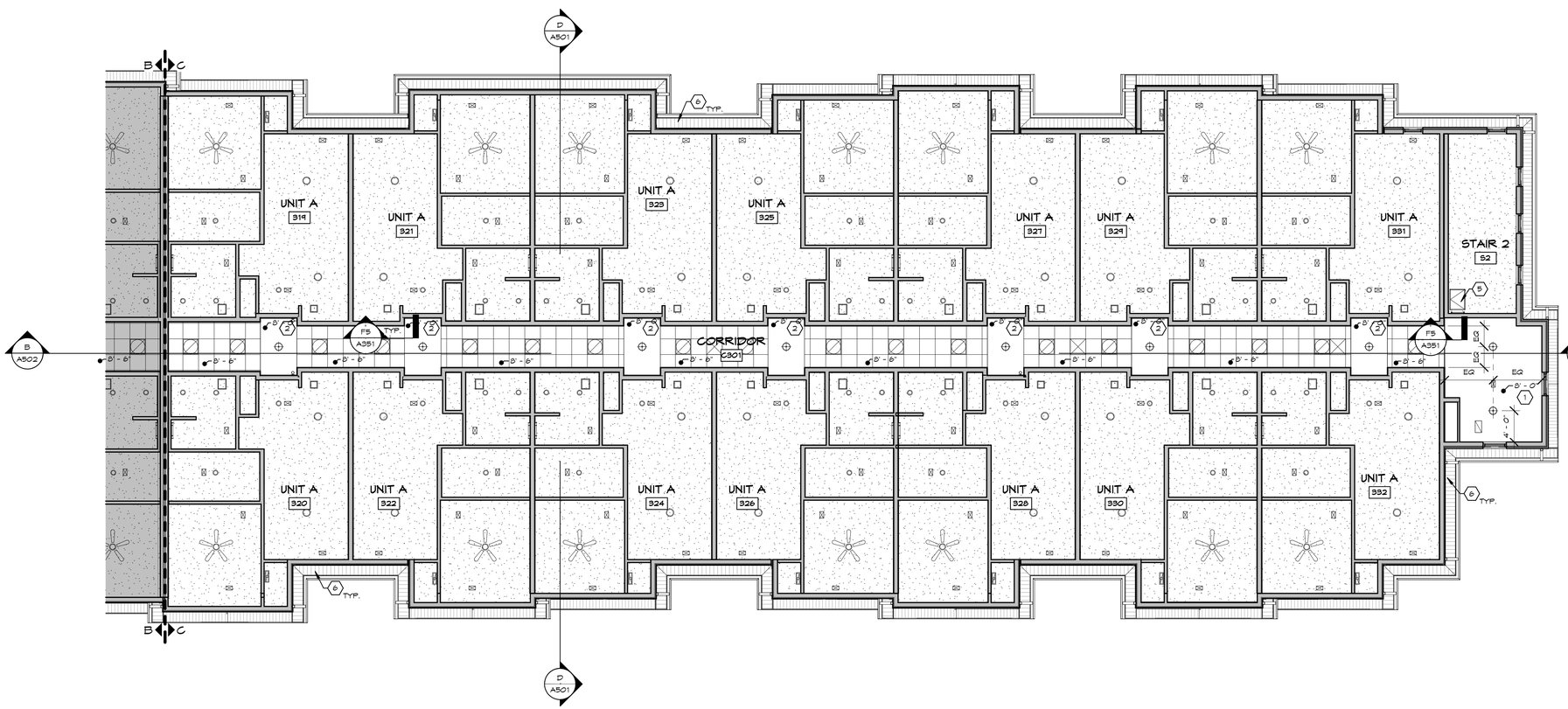


F3 THIRD FLOOR REFLECTED CEILING PLAN - AREA C

1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. – – – – – DASHED LINE, INDICATES GENERAL LOCATION OF 1/4" GYP. CONTROL JOINTS BY CLARK DIETRICH OR EQUAL, U.N.O. G.C. TO COORDINATE WITH GYP. BD. MANUFACTURER TO INSALL ADDITIONAL CONTROL JOINTS AS REQUIRED TO MEET 30 FT O.C. MAX. SPACING.

RCP MATERIAL LEGEND:

ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)

NON RATED GYP BOARD CEILING/SOFFIT

2X2 ACOUSTIC CEILING TILE SYSTEM ACT-1

LINEAR METAL SOFFIT

RCP FIXTURE LEGEND:

ATTIC ACCESS DOOR

SUPPLY AIR

RETURN AIR

2X4 FLUORESCENT LIGHT

1X4 FLUORESCENT LIGHT

EXHAUST FAN

RECESSED CAN LIGHT

SURFACE MOUNTED LIGHT

VANITY LIGHT

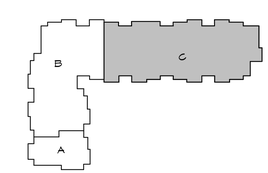
PENDANT LIGHT

CHANDELIER

CEILING FAN

REFLECTED CEILING CODED NOTES: (X)

1. NON-RATED GYP. CEILING ASSEMBLY, (1) LAYER 5/8" GYP. OVER 2X4 F.R.T. WOOD OR METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
2. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 WOOD FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
3. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 F.R.T. WOOD OR 20 GA METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.
4. 1/4" GYP. CONTROL JOINT BY CLARK DIETRICH OR EQUAL
5. 22" X 30" 1 HR. RATED ACCESS PANEL. SEE DETAIL F1 / A351
6. EXTERIOR ALUMINUM SOFFIT. SEE WALL SECTIONS.
7. CROWN MOULDING. SEE INTERIOR DWGS. FOR MORE INFO.
8. 30" X 36" 1 HR. RATED ROOF ACCESS HATCH. SEE D1 / A605 FOR MORE INFO.
9. 4" LUX METAL SOFFIT.
10. FIELD FABRICATED BENT ALUMINUM.



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THIRD FLOOR REFLECTED CEILING PLAN - AREA C

A332

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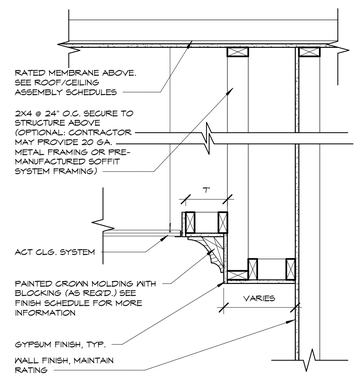
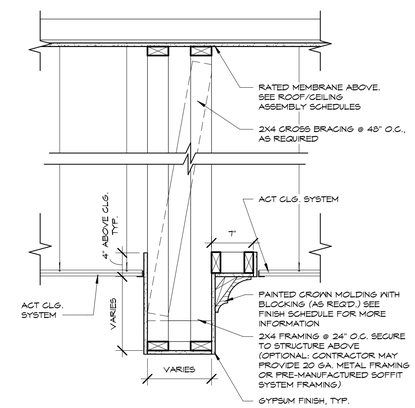
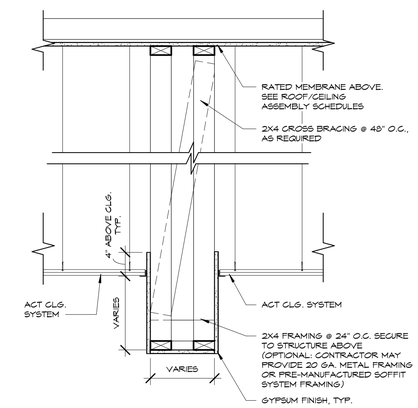


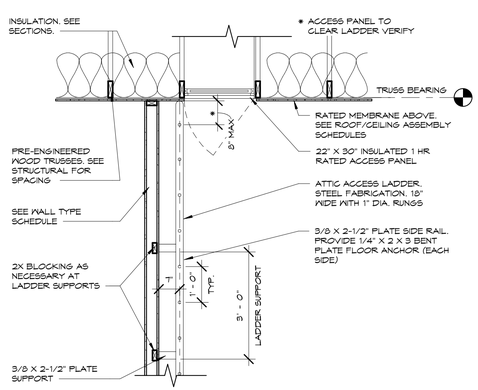
D4 SOFFIT DETAIL
1" = 1'-0" REF. SHEET: F3 / A311



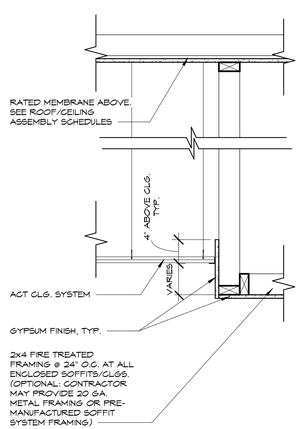
D3 SOFFIT DETAIL
1" = 1'-0" REF. SHEET: F3 / A311



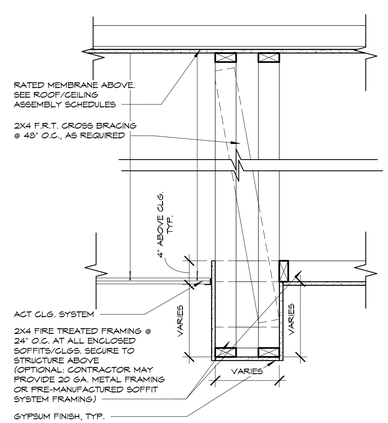
D1 SOFFIT DETAIL
1" = 1'-0" REF. SHEET: F3 / A311



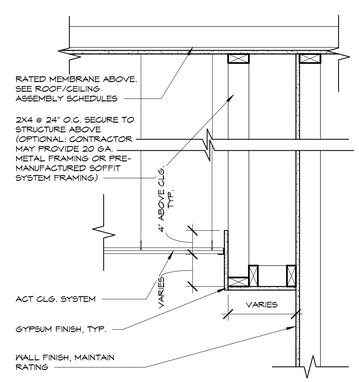
F7 SECTION DETAIL
1/2" = 1'-0"



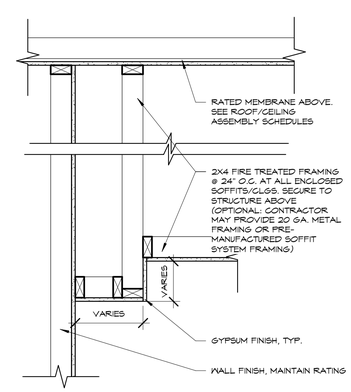
F5 SOFFIT DETAIL
1" = 1'-0" REF. SHEET: F3 / A311



F4 SOFFIT DETAIL
1" = 1'-0" REF. SHEET: /



F3 SOFFIT DETAIL
1" = 1'-0" REF. SHEET: F3 / A311



F1 SOFFIT DETAIL
1" = 1'-0" REF. SHEET: /

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CEILING DETAILS

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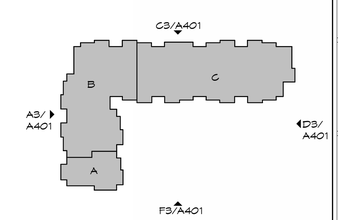
A3 OVERALL NORTH ELEVATION
1/16" = 1'-0"

C3 OVERALL EAST ELEVATION
1/16" = 1'-0"

D3 OVERALL SOUTH ELEVATION
1/16" = 1'-0"

F3 OVERALL WEST ELEVATION
1/16" = 1'-0"



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OVERALL EXTERIOR ELEVATIONS

A401

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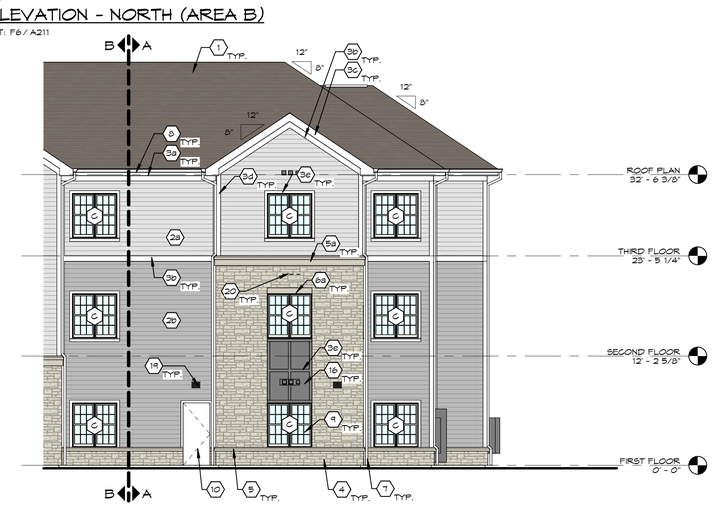
B4 EXTERIOR ELEVATION - NORTH (AREA B)

1/8" = 1'-0" REF. SHEET: F6 / A211

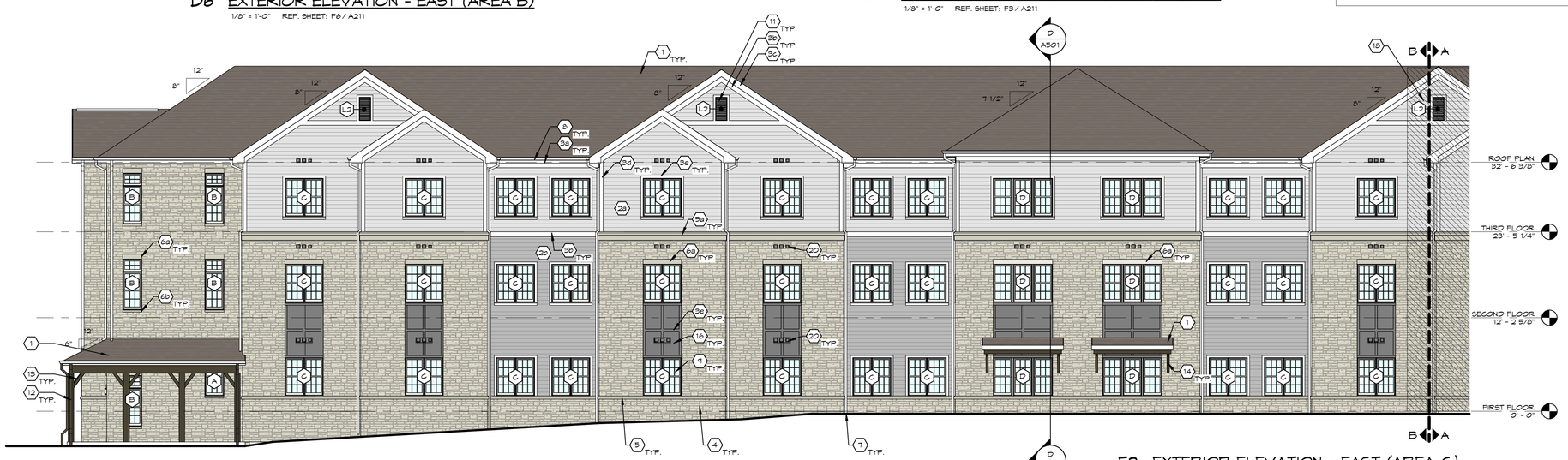
D6 EXTERIOR ELEVATION - EAST (AREA B)

1/8" = 1'-0" REF. SHEET: F6 / A211



D3 EXTERIOR ELEVATION - NORTH (AREA A)

1/8" = 1'-0" REF. SHEET: F3 / A211

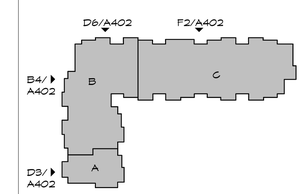


F2 EXTERIOR ELEVATION - EAST (AREA C)

1/8" = 1'-0" REF. SHEET: F6 / A211

ELEVATION CODED NOTES: (X)

1. DIMENSIONAL ASPHALT SHINGLES
2. PREFINISHED CEMENTITIOUS HORIZONTAL LAP SIDING.
   - **2a.** SIDING (COLOR 1)
   - **2b.** SIDING (COLOR 2)
3. PREFINISHED CEMENTITIOUS TRIM BOARD.
   - **3a.** TYP. FASCIA 5/4 X 8
   - **3b.** TYP. FRIEZE 5/4 X 8
   - **3c.** TYP. RAKE TRIM 5/4 X 8
   - **3d.** TYP. CORNER TRIM- MITERED 5/4 X 6
   - **3e.** TYP. WINDOW TRIM 5/4X4
   - **3f.** TYP. DOOR TRIM 5/4X4
4. SIMULATED STONE VENEER.
5. SIMULATED STONE WATER TABLE.
   - **5a.** WITH ENTABLATURE - SEE DETAIL F4 / A605
6. SIMULATED STONE
   - **6a.** LINTEL
   - **6b.** SILL
7. PREFINISHED 3X4 ALUMINUM DOWNSPOUT. ALL D.S. SHALL BE TIED IN TO BOOTS AT PERIMETER STORM LINES. REFER TO CIVIL DWGS.
8. PREFINISHED 6" OGEE ALUMINUM GUTTER. PROVIDE EXPANSION JOINT ANCHORS PER DETAIL ON SHEET A604.
9. WINDOW. REFER TO WINDOW ELEVATIONS.
10. DOOR. REFER TO DOOR SCHEDULE.
11. DECORATIVE FAUX PVC LOUVER. REFER TO LOUVER ELEVATIONS.
12. PVC COLUMN WRAP. SEE DETAIL D1 / A606
13. PVC KNEE BRACE BRACKET, PAINTED. FYPON BKTS18X24X65
14. PVC BRACKET, PAINTED. FYPON BKT18X30X45
15. MECHANICAL LOUVER - SEE MEP DWGS. FOR MORE INFO.
16. PREFINISHED CEMENTITIOUS PANEL, PAINTED (COLOR 3). SEE DETAIL D1 / A404 FOR MORE INFO.
17. METER CENTER LOCATION, SEE MEP DWGS FOR MORE INFO.
18. FIREWALL ASSEMBLY AREA (SHOWN HATCHED) EXTENDING 4'-0" BEYOND INTERSECTING (2) HOUR FIREWALL, EACH SIDE.
19. EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
20. VENT CAPS PAINTED TO MATCH SURROUNDING MATERIAL. INSTALL ON MOUNTING BOARD WHEN LOCATED ON CEMENTITIOUS PANEL. SEE MEP DWGS. FOR MORE INFO.



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EXTERIOR ELEVATIONS

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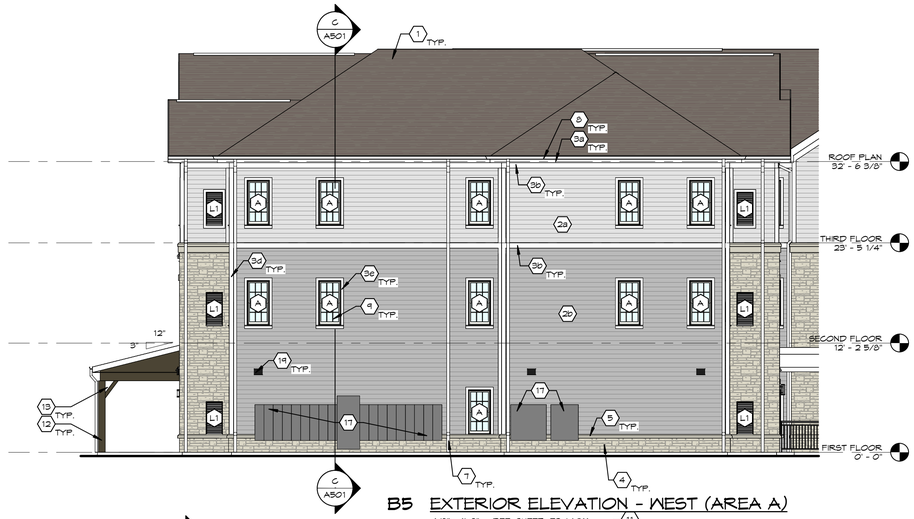
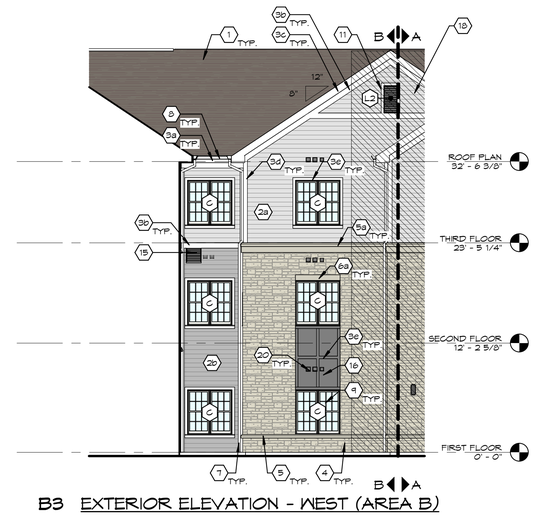


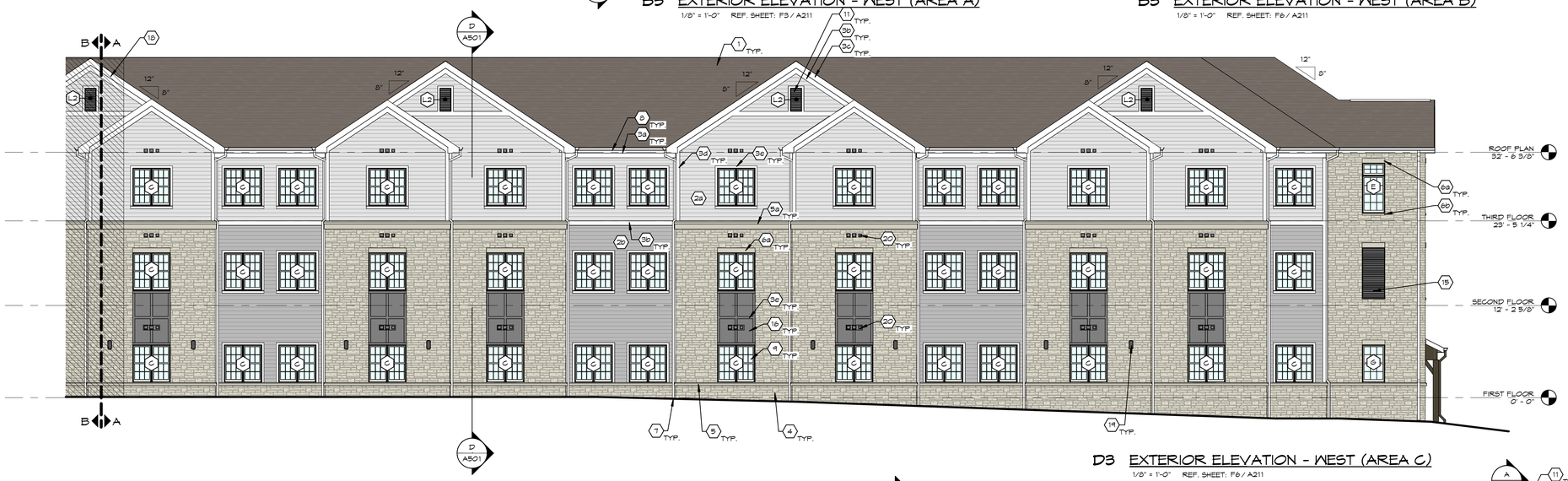
B5 EXTERIOR ELEVATION - WEST (AREA A)

1/8" = 1'-0" REF. SHEET: F3 / A211



B3 EXTERIOR ELEVATION - WEST (AREA B)

1/8" = 1'-0" REF. SHEET: F6 / A211



D3 EXTERIOR ELEVATION - WEST (AREA C)

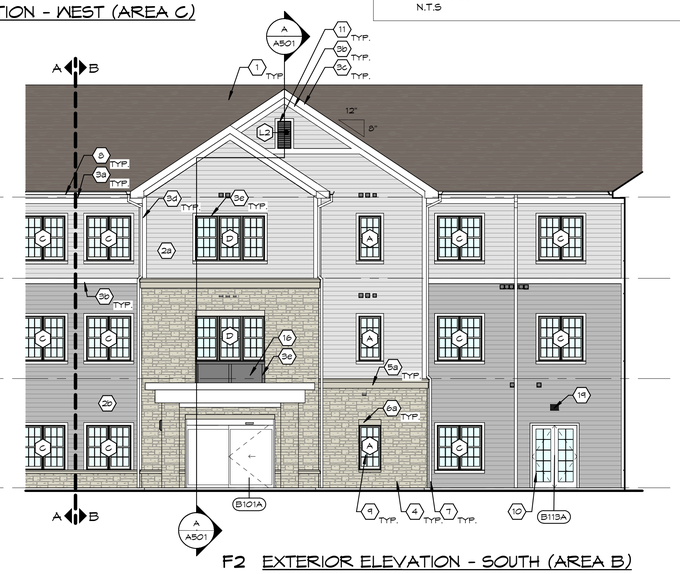
1/8" = 1'-0" REF. SHEET: F6 / A211

F6 EXTERIOR ELEVATION - SOUTH (AREA A)

1/8" = 1'-0" REF. SHEET: F3 / A211

F4 EXTERIOR ELEVATION - SOUTH (AREA C)

1/8" = 1'-0" REF. SHEET: F3 / A212

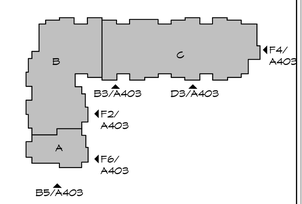


F2 EXTERIOR ELEVATION - SOUTH (AREA B)

1/8" = 1'-0" REF. SHEET: F6 / A211

ELEVATION CODED NOTES: (X)

1. DIMENSIONAL ASPHALT SHINGLES
2. PREFINISHED CEMENTITIOUS HORIZONTAL LAP SIDING.
   - **2a.** SIDING (COLOR 1)
   - **2b.** SIDING (COLOR 2)
3. PREFINISHED CEMENTITIOUS TRIM BOARD.
   - **3a.** TYP. FASCIA 5/4 X 8
   - **3b.** TYP. FRIEZE 5/4 X 8
   - **3c.** TYP. RAKE TRIM 5/4 X 8
   - **3d.** TYP. CORNER TRIM- MITERED 5/4 X 6
   - **3e.** TYP. WINDOW TRIM 5/4X4
   - **3f.** TYP. DOOR TRIM 5/4X4
4. SIMULATED STONE VENEER.
5. SIMULATED STONE WATER TABLE.
   - **5a.** WITH ENTABLATURE - SEE DETAIL F4 / A605
6. SIMULATED STONE
   - **6a.** LINTEL
   - **6b.** SILL
7. PREFINISHED 3X4 ALUMINUM DOWNSPOUT. ALL D.S. SHALL BE TIED IN TO BOOTS AT PERIMETER STORM LINES. REFER TO CIVIL DWGS.
8. PREFINISHED 6" OGEE ALUMINUM GUTTER. PROVIDE EXPANSION JOINT ANCHORS PER DETAIL ON SHEET A604.
9. WINDOW. REFER TO WINDOW ELEVATIONS.
10. DOOR. REFER TO DOOR SCHEDULE.
11. DECORATIVE FAUX PVC LOUVER. REFER TO LOUVER ELEVATIONS.
12. PVC COLUMN WRAP. SEE DETAIL D1 / A606
13. PVC KNEE BRACE BRACKET, PAINTED. FYPON BKTS18X24X65
14. PVC BRACKET, PAINTED. FYPON BKT18X30X45
15. MECHANICAL LOUVER - SEE MEP DWGS. FOR MORE INFO.
16. PREFINISHED CEMENTITIOUS PANEL, PAINTED (COLOR 3). SEE DETAIL D1 / A404 FOR MORE INFO.
17. METER CENTER LOCATION, SEE MEP DWGS FOR MORE INFO.
18. FIREWALL ASSEMBLY AREA (SHOWN HATCHED) EXTENDING 4'-0" BEYOND INTERSECTING (2) HOUR FIREWALL, EACH SIDE.
19. EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
20. VENT CAPS PAINTED TO MATCH SURROUNDING MATERIAL. INSTALL ON MOUNTING BOARD WHEN LOCATED ON CEMENTITIOUS PANEL. SEE MEP DWGS. FOR MORE INFO.



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EXTERIOR ELEVATIONS

A403

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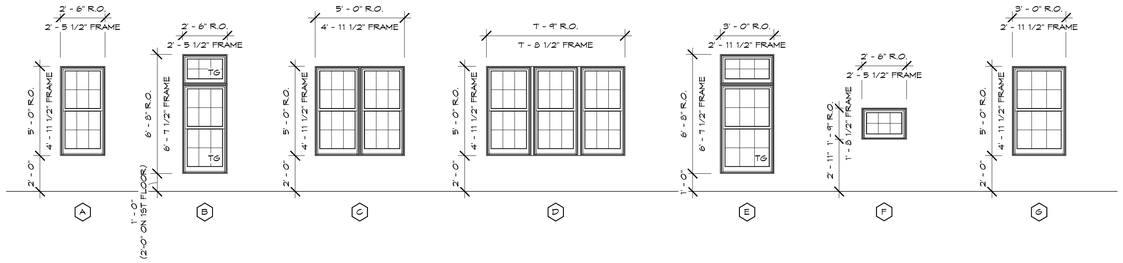
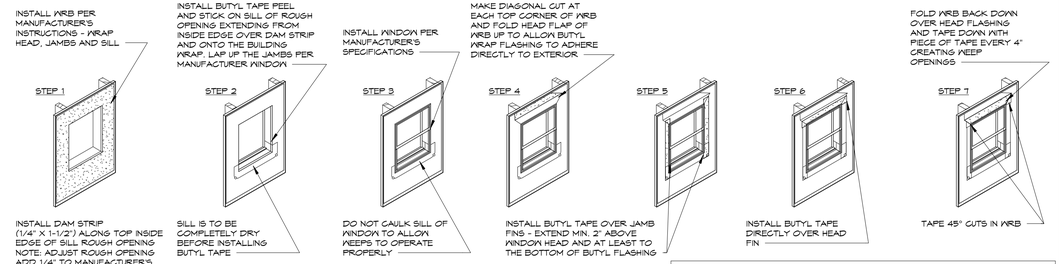
WINDOW SCHEDULE

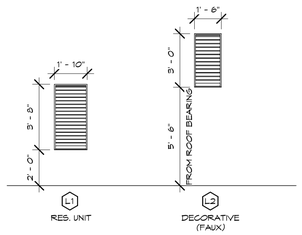
PROVIDE TEMPERED GLASS AT ALL WINDOW PANES WITHIN 18" OF FINISHED FLOOR.
ALL RESIDENT UNIT WINDOWS TO RECEIVE 4" OPENING LIMITERS.
ALL GLAZING IN STAIRWALLS LOCATED BELOW 60" A.F.F. TO BE TEMPERED.

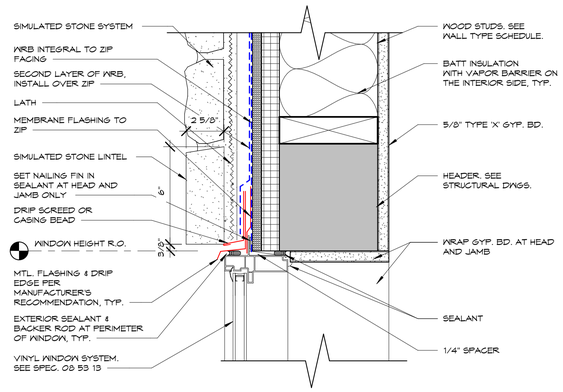




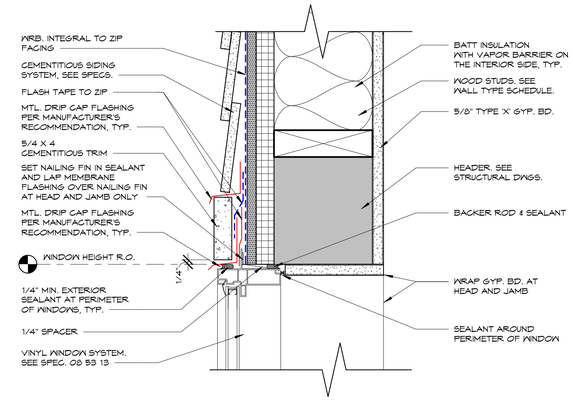
NOTE: THESE ISOMETRIC FLASHING DETAILS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WINDOW MANUFACTURER INSTRUCTIONS

LOUVER SCHEDULE

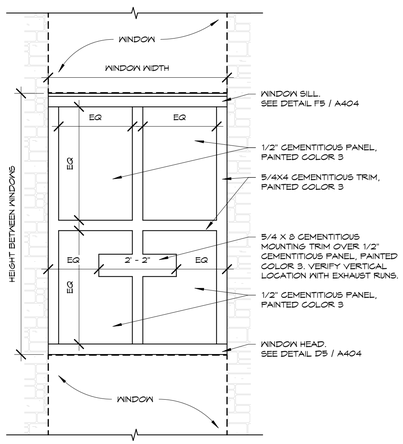




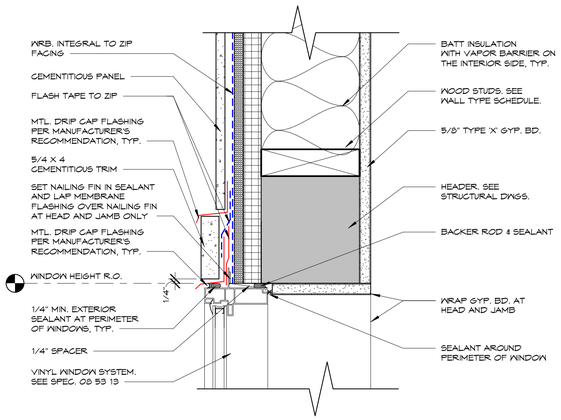
C3 WINDOW DETAIL
3" = 1'-0"



C1 HEAD DETAIL
3" = 1'-0"



D7 WINDOW PANEL DETAIL
1/2" = 1'-0"



D5 HEAD DETAIL
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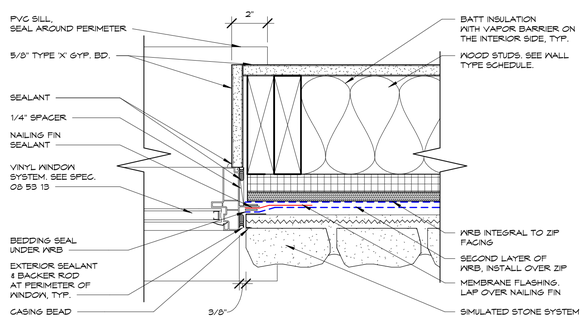

D3 JAMB DETAIL
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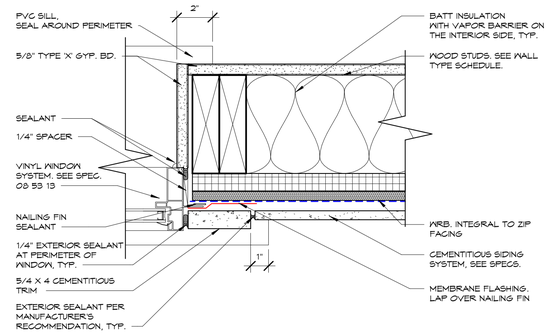

D1 JAMB DETAIL
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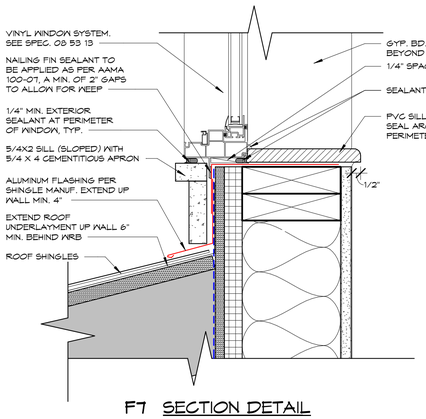
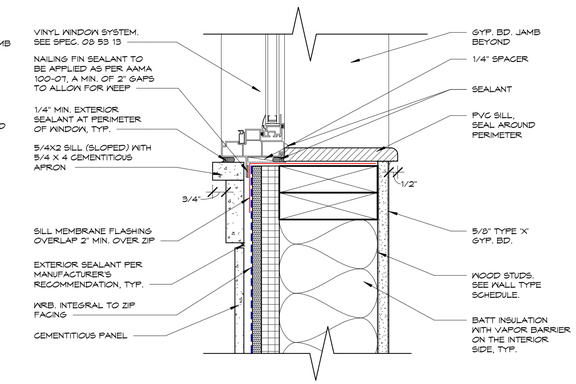
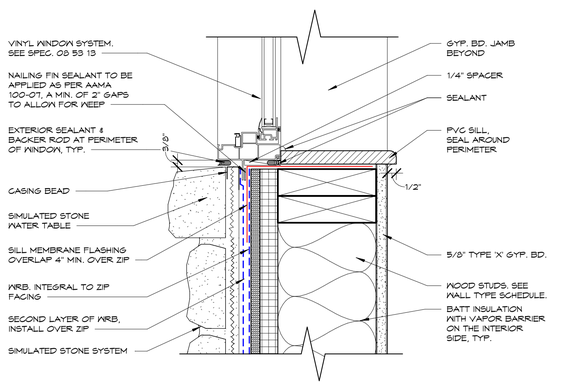


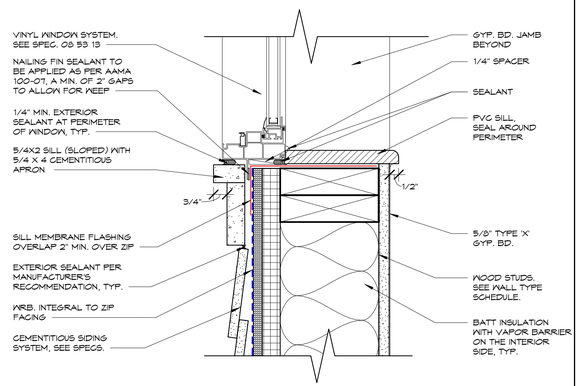
F7 SECTION DETAIL
3" = 1'-0"



F5 SILL DETAIL
3" = 1'-0"



F3 SILL DETAIL
3" = 1'-0"



F1 SILL DETAIL
3" = 1'-0"

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WINDOW SCHEDULE AND DETAILS

A404

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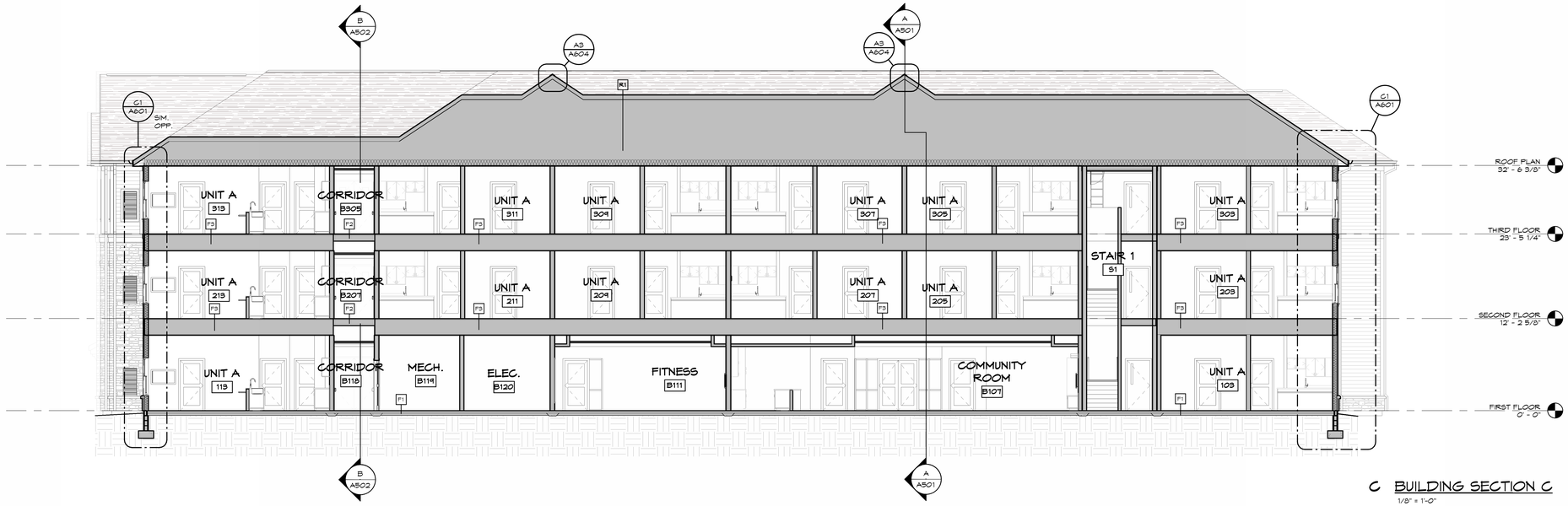
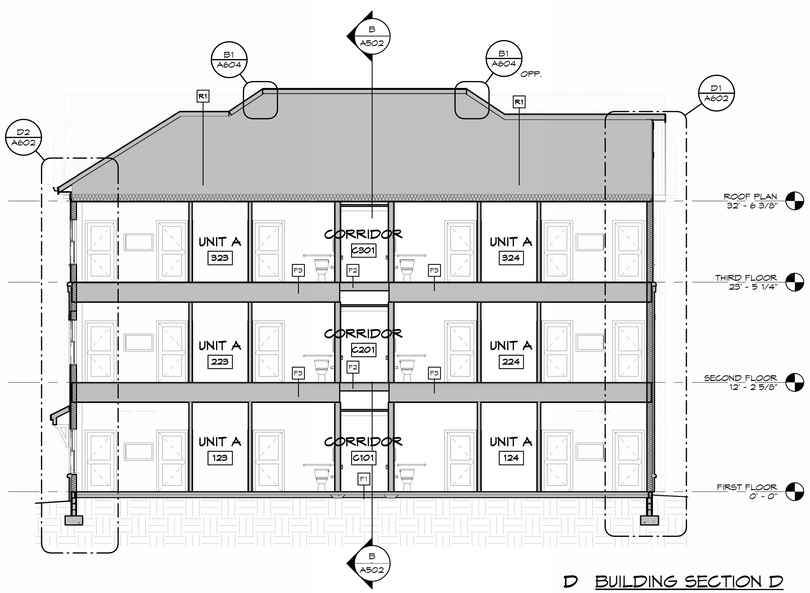


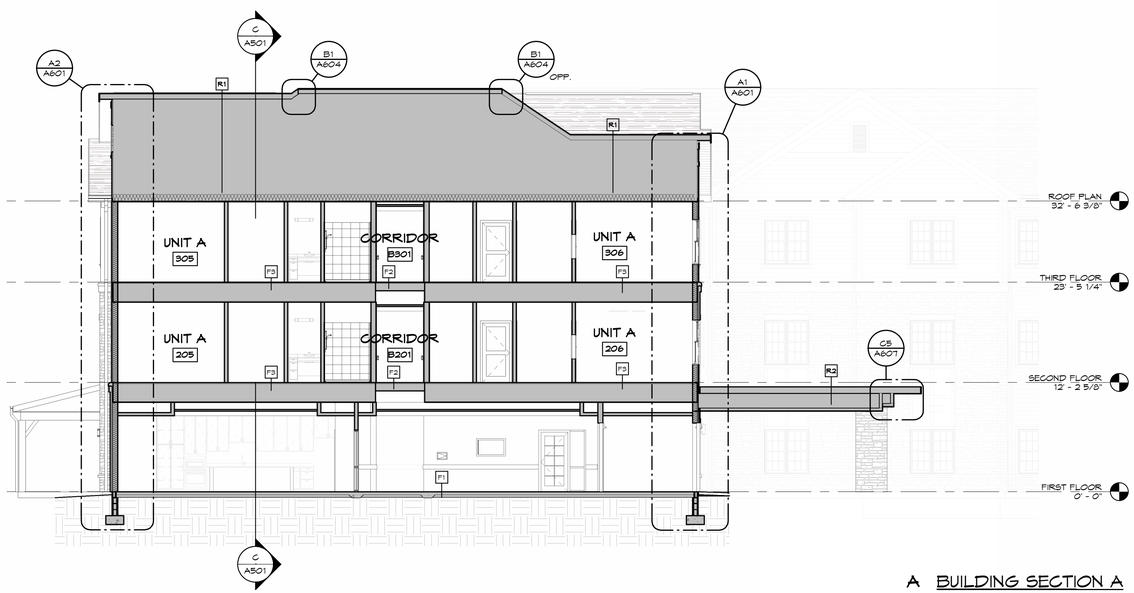
C BUILDING SECTION C

1/8" = 1'-0"



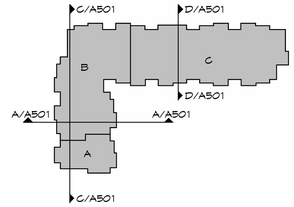
D BUILDING SECTION D

1/8" = 1'-0"



A BUILDING SECTION A

1/8" = 1'-0"



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BUILDING SECTIONS

A501

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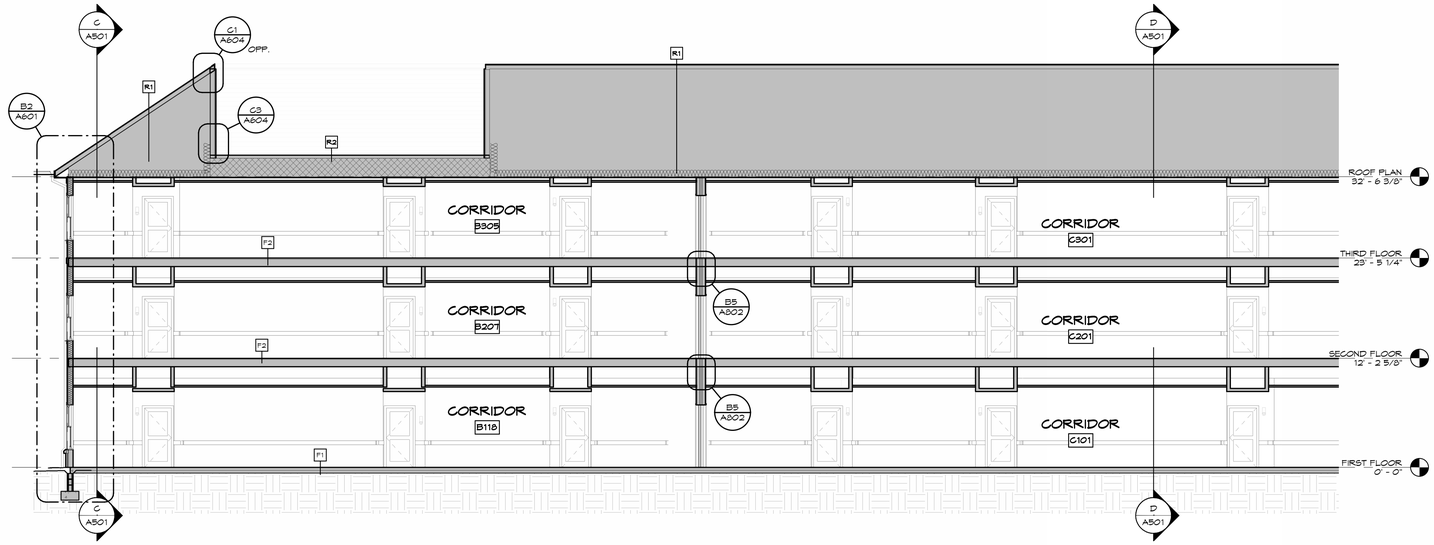
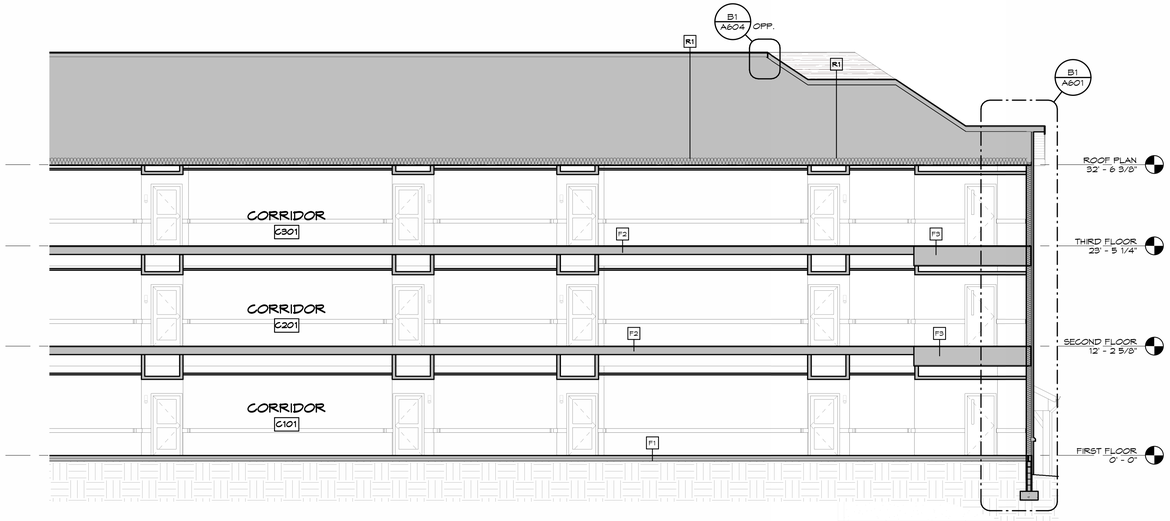


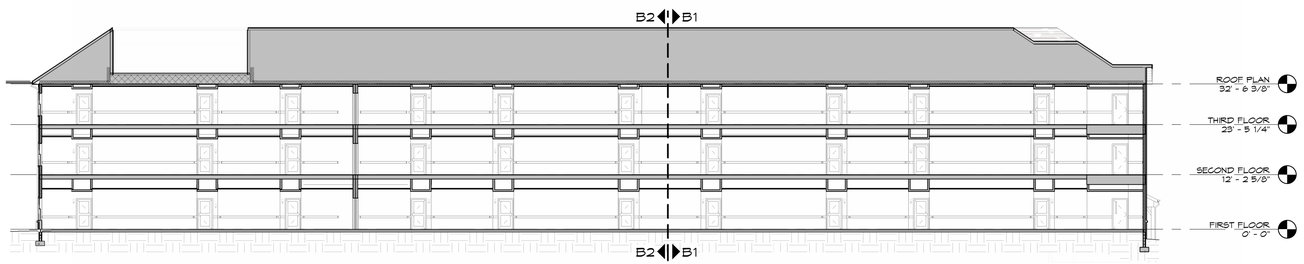
B2 PARTIAL BUILDING SECTION B

1/8" = 1'-0"



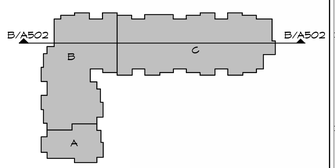
B1 PARTIAL BUILDING SECTION B

1/8" = 1'-0"



B BUILDING SECTION B

1/16" = 1'-0"



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BUILDING SECTIONS

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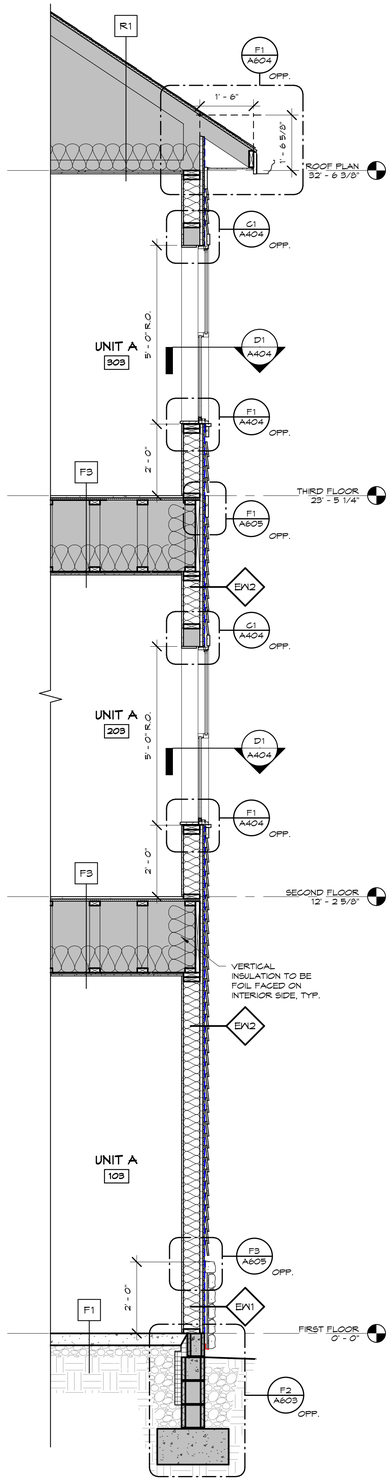
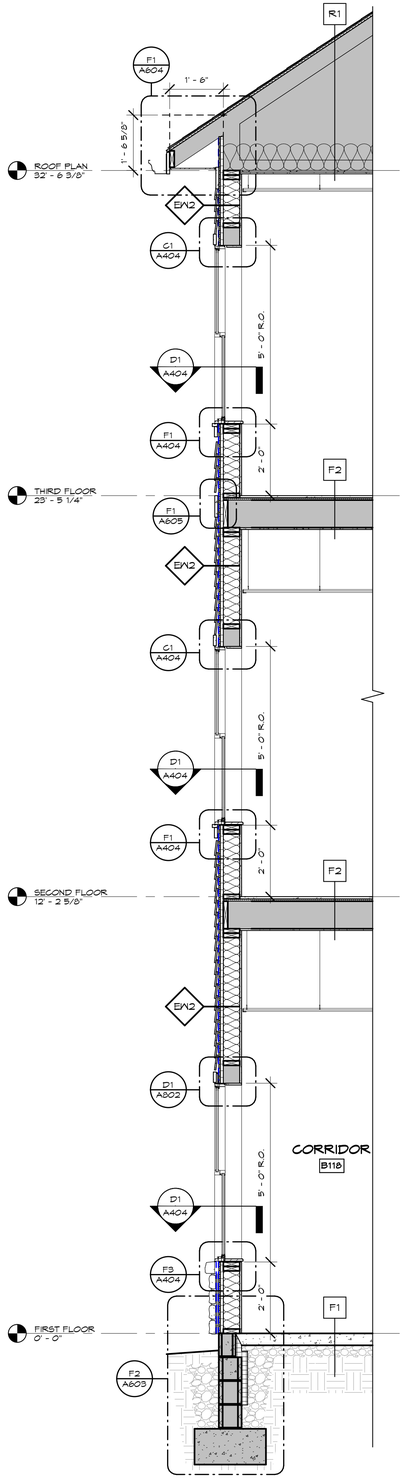


C1 WALL SECTION

1/2" = 1'-0" REF. SHEET: C / A501



B2 WALL SECTION

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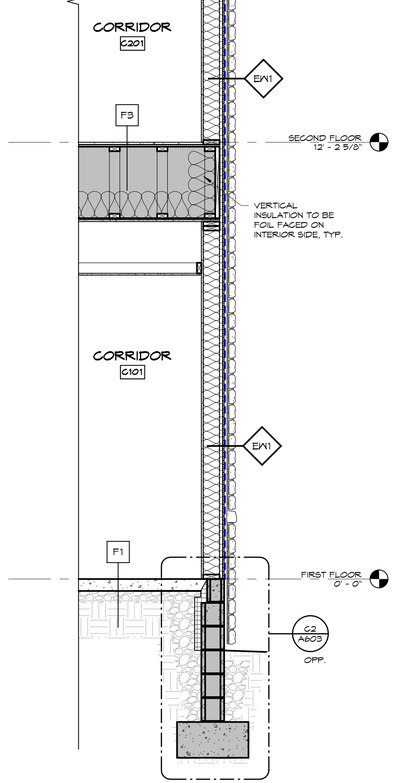

B1 WALL SECTION

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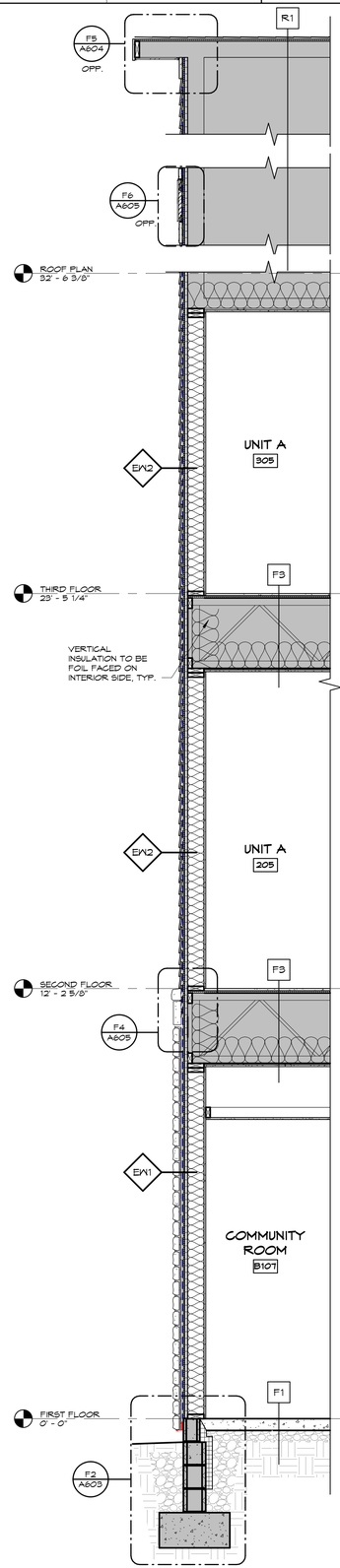
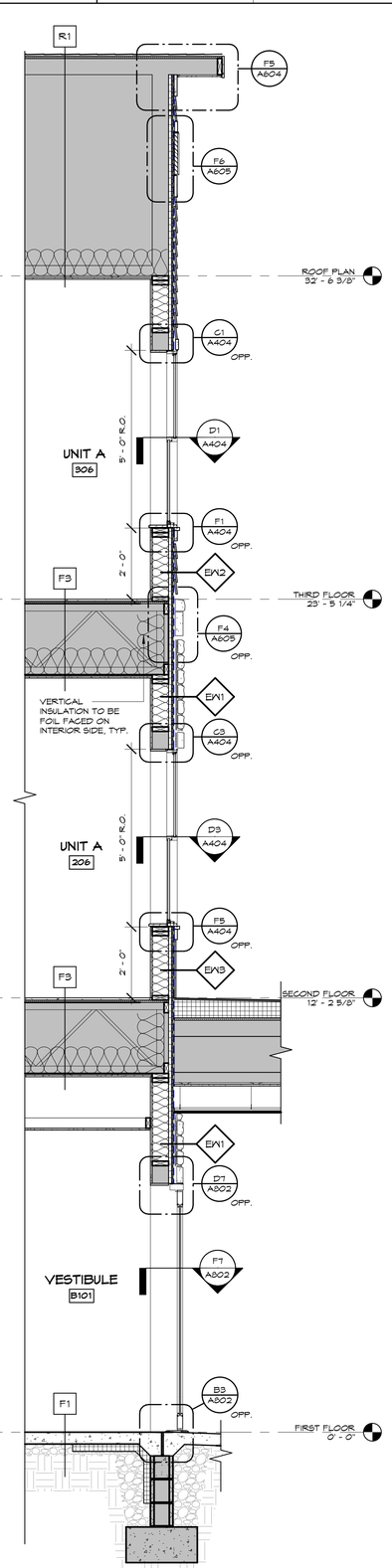


A2 WALL SECTION

1/2" = 1'-0" REF. SHEET: A / A501



A1 WALL SECTION

1/2" = 1'-0" REF. SHEET: A / A501

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WALL SECTIONS

A601

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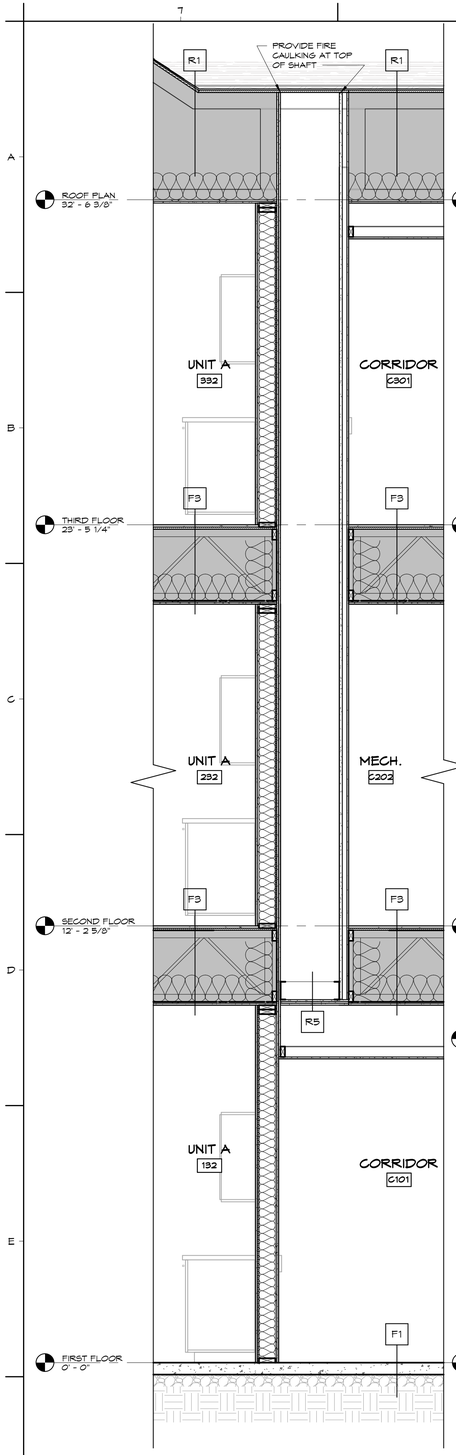
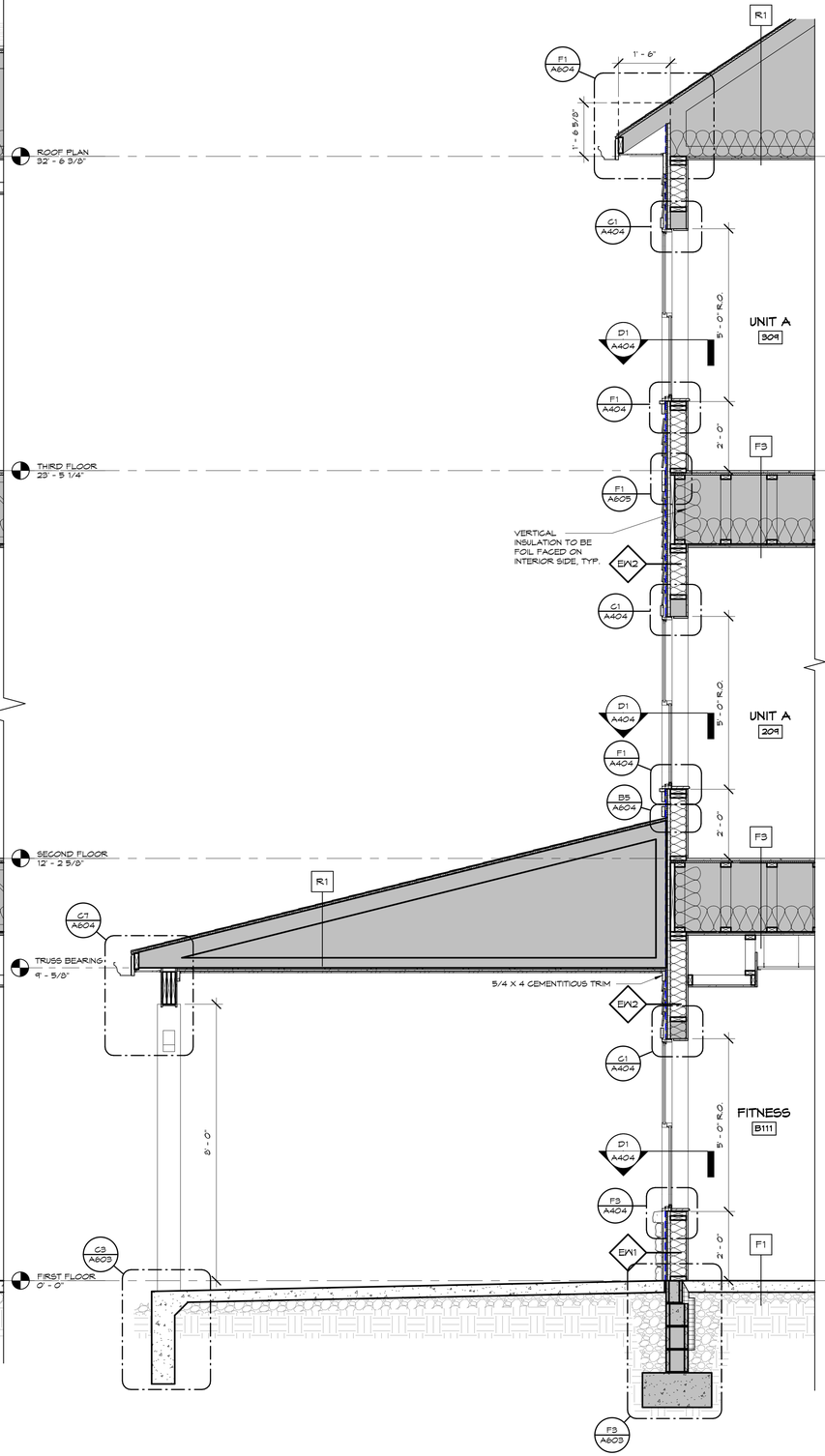


F7 WALL SECTION
1/2" = 1'-0" REF. SHEET: F3 / A222



W1 WALL SECTION
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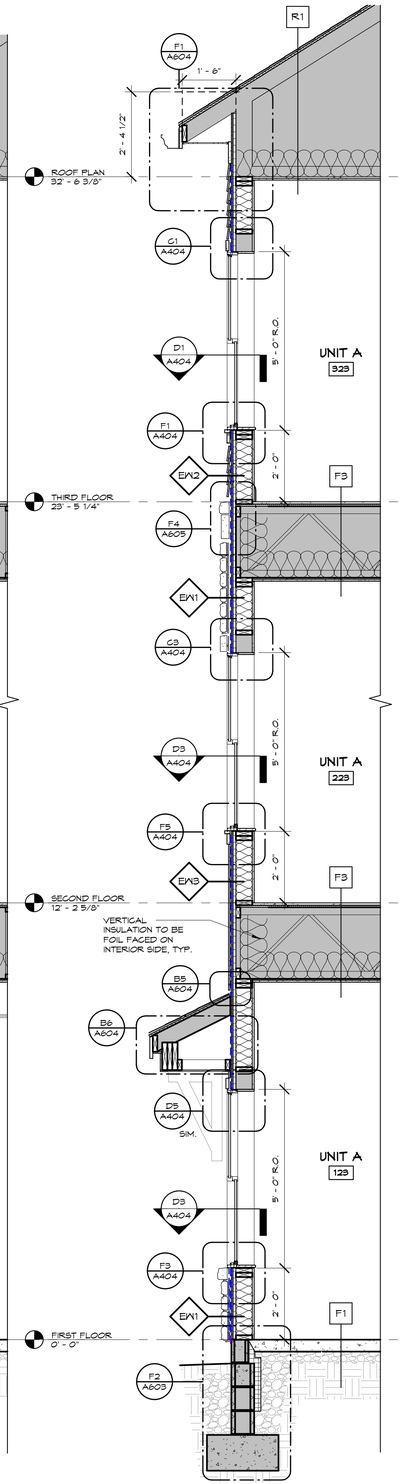
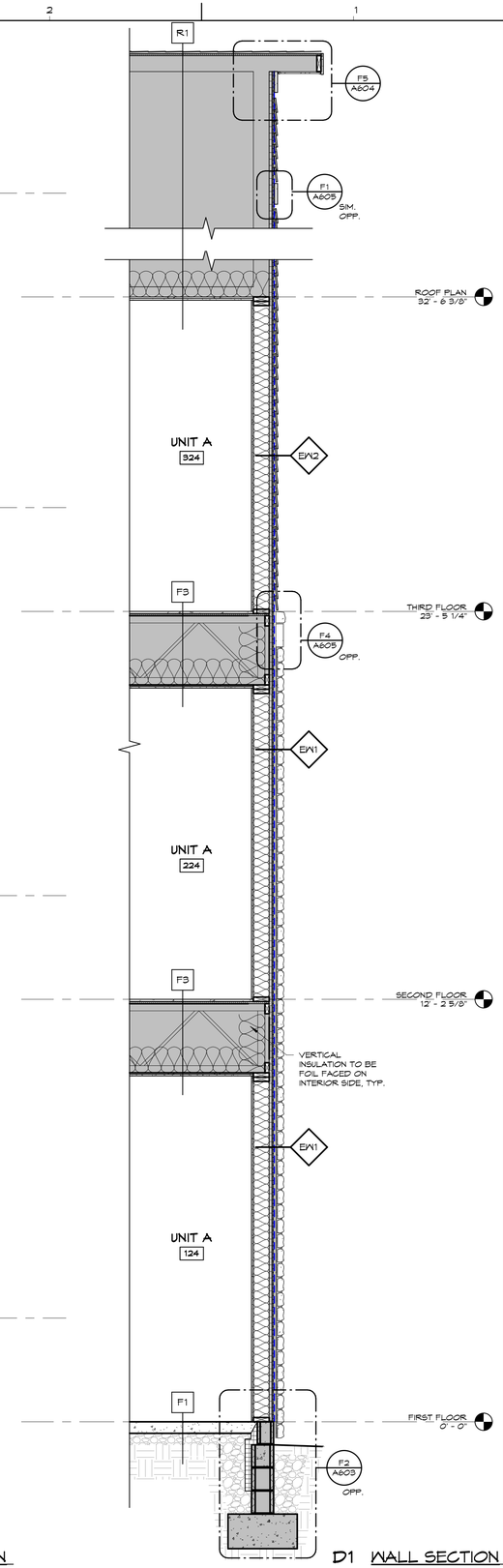


D2 WALL SECTION
1/2" = 1'-0"



D1 WALL SECTION
1/2" = 1'-0"

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WALL SECTIONS

A602

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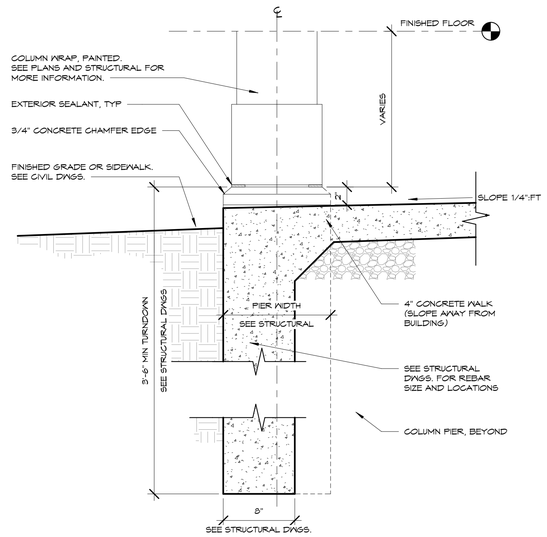
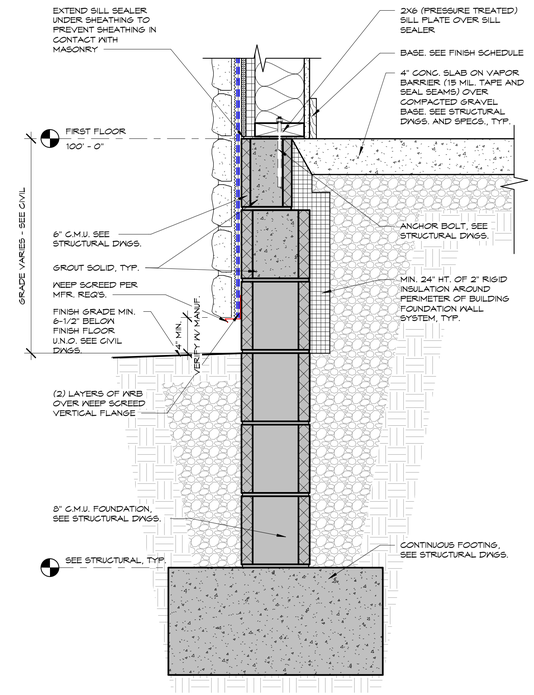


C3 FOUNDATION DETAIL

1 1/2" = 1'-0" REF. SHEET: N1 / A602



C2 FOUNDATION DETAIL

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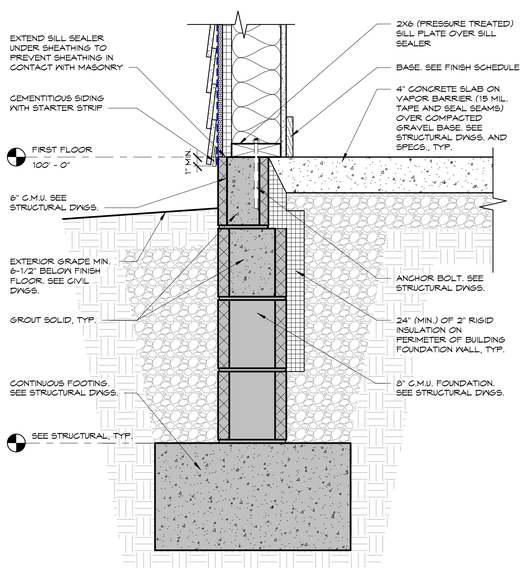

F7 FOUNDATION DETAIL

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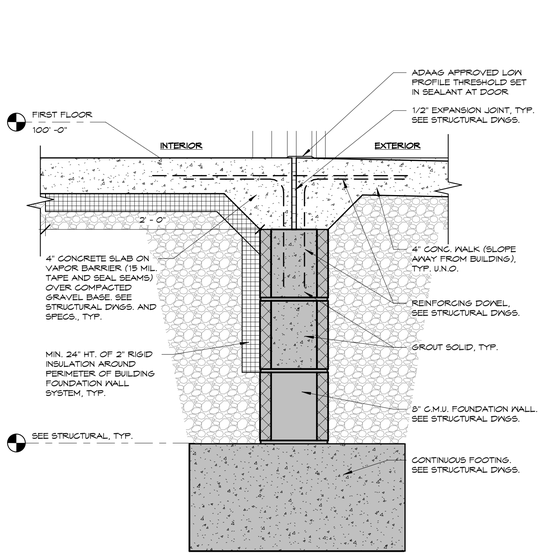
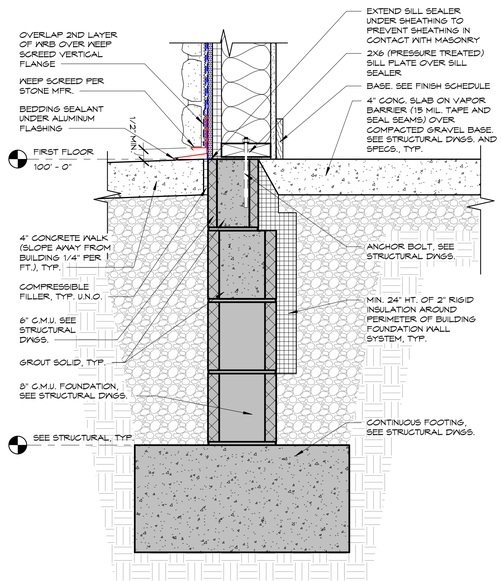


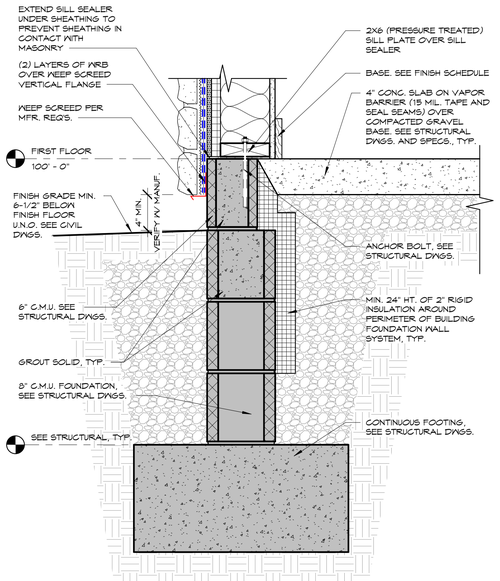
F5 FOUNDATION DETAIL

1 1/2" = 1'-0" REF. SHEET: /



F3 FOUNDATION DETAIL

1 1/2" = 1'-0" REF. SHEET: N1 / A602



F2 FOUNDATION DETAIL

1 1/2" = 1'-0" REF. SHEET: A2/ A601

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FOUNDATION DETAILS

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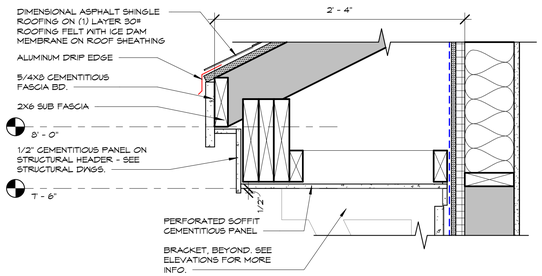
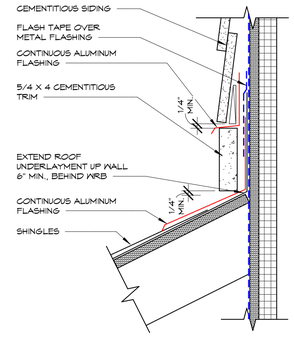
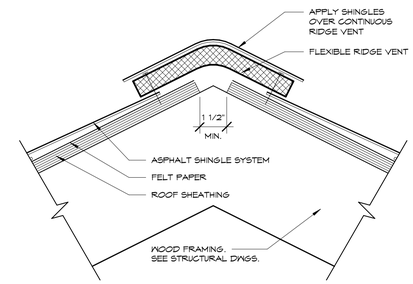


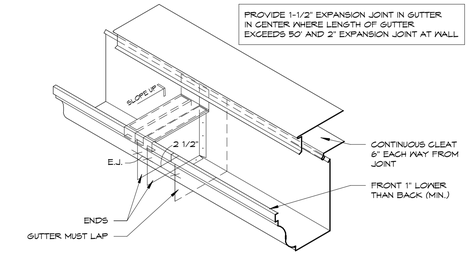
B6 SECTION DETAIL
1 1/2" = 1'-0" REF. SHEET: D2/ A602



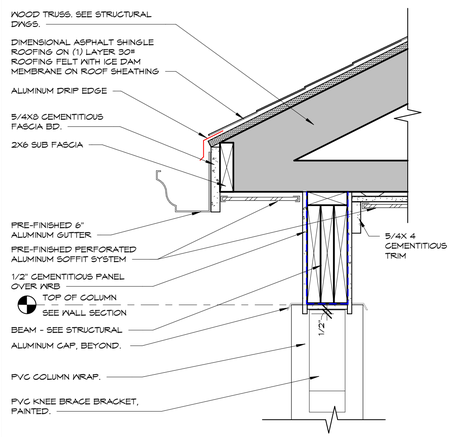
B5 ROOF DETAIL
3" = 1'-0" REF. SHEET: D2/ A602



A3 ROOF DETAIL
3" = 1'-0"



A1 GUTTER DETAIL
3" = 1'-0"



C7 SECTION DETAIL
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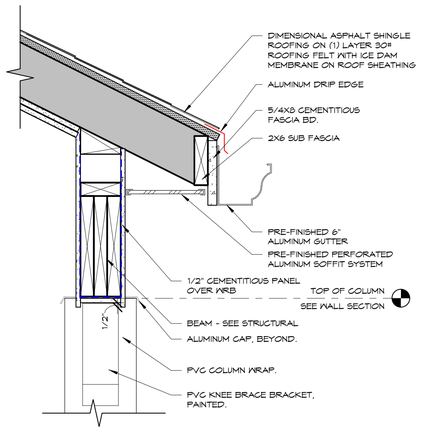

C6 SECTION DETAIL
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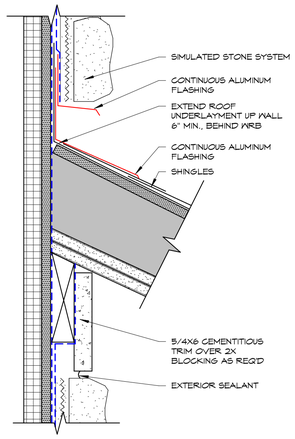

C5 SECTION DETAIL
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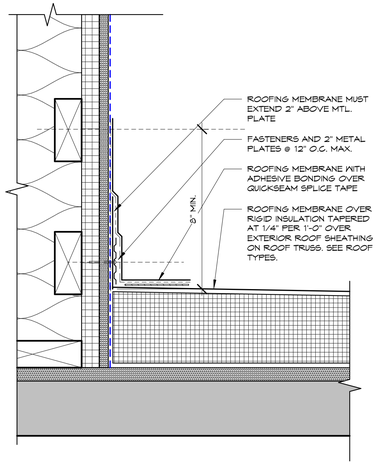
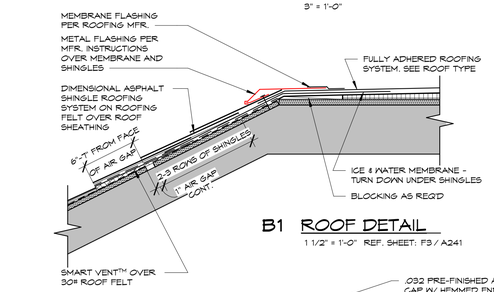
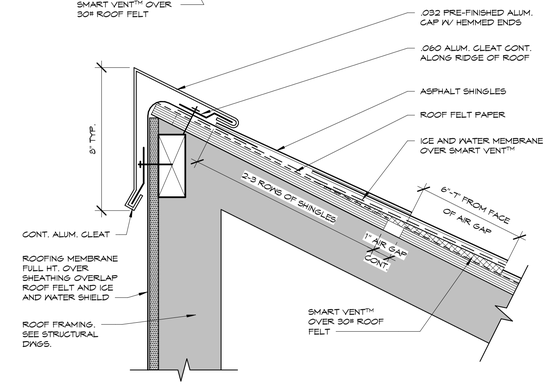


C3 SECTION DETAIL
3" = 1'-0" REF. SHEET: B2 / A502



B1 ROOF DETAIL
1 1/2" = 1'-0" REF. SHEET: F3 / A241



C1 SECTION DETAIL
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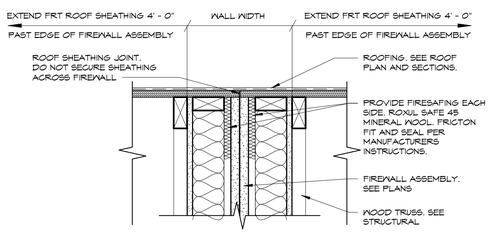
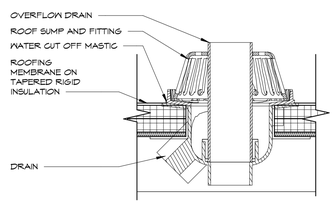
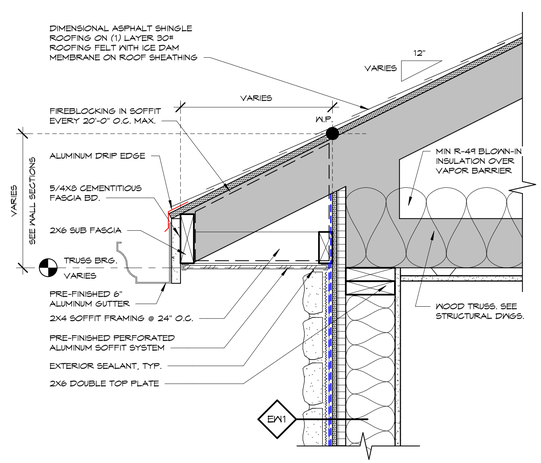


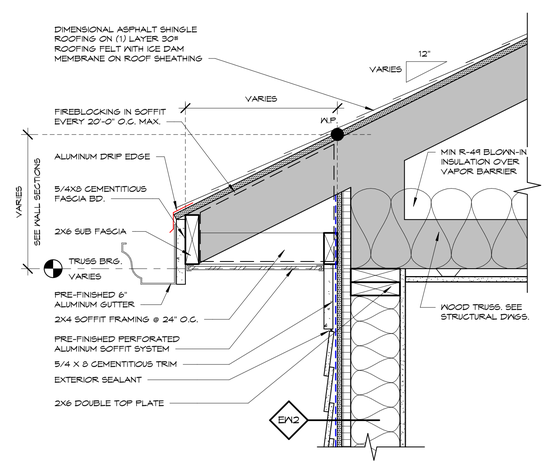
E7 SECTION DETAIL
1 1/2" = 1'-0"



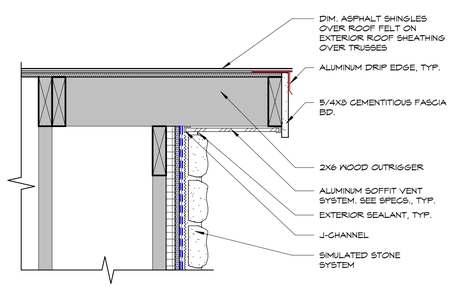
E5 ROOF DRAIN DETAIL
1 1/2" = 1'-0"



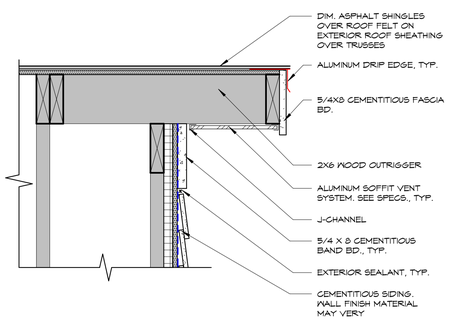
F3 ROOF DETAIL
1 1/2" = 1'-0" REF. SHEET: F4 / A611



F1 ROOF DETAIL
1 1/2" = 1'-0" REF. SHEET: B2/ A601



F7 ROOF DETAIL
1 1/2" = 1'-0" REF. SHEET: B1 / A601



F5 ROOF DETAIL
1 1/2" = 1'-0" REF. SHEET: A1 / A601

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ROOF DETAILS

A604

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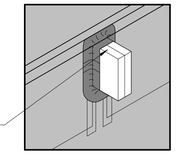
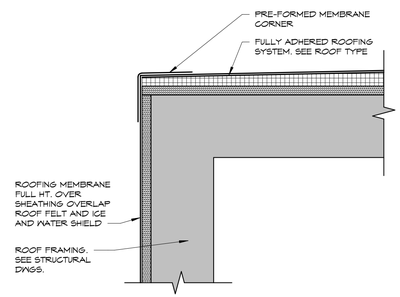


TYPICAL WRB AND FLEX-WRAP AROUND BEAM/WALL PENETRATION. INSTALL PER WRB MANUFACTURER RECOMMENDATIONS.

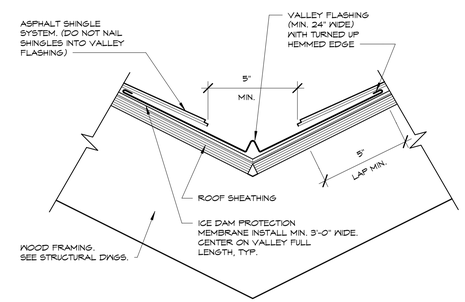
A1 TYPICAL BEAM FLASHING

1/4" = 1'-0"



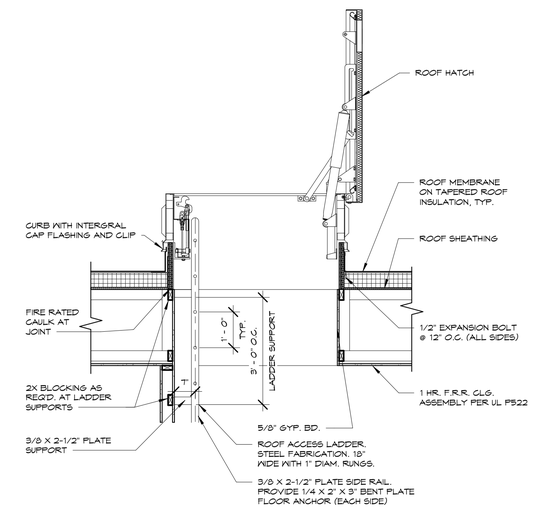
D5 SECTION DETAIL

3" = 1'-0" REF. SHEET: F6 / A612



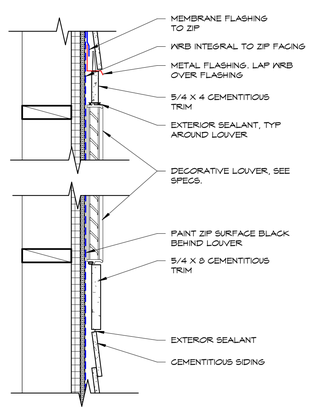
D3 ROOF DETAIL

3" = 1'-0"



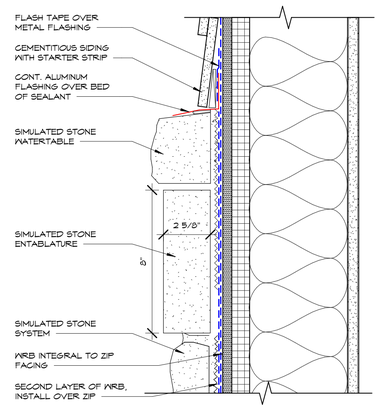
D1 ROOF HATCH DETAIL

1/2" = 1'-0"



F6 SECTION DETAIL

1 1/2" = 1'-0" REF. SHEET: A1 / A601



F4 SECTION DETAIL

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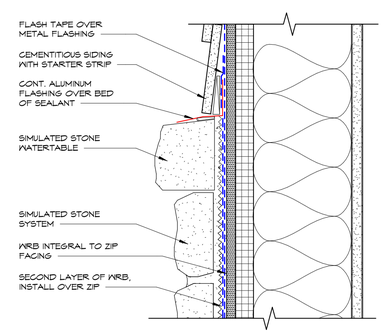
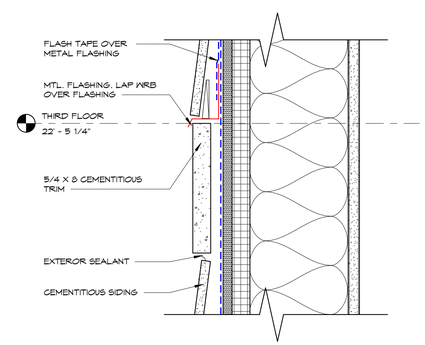


F3 SECTION DETAIL

3" = 1'-0" REF. SHEET: C1 / A601



F1 SECTION DETAIL

3" = 1'-0" REF. SHEET: B2/ A601

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ROOF AND SECTION DETAILS

A605

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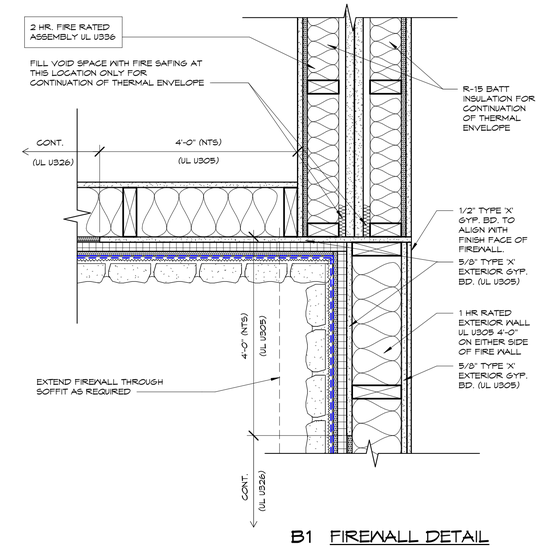
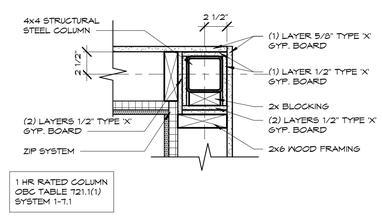


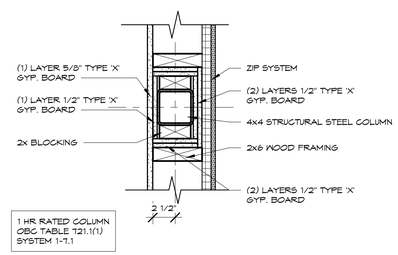
B1 FIREWALL DETAIL

1 1/2" = 1'-0" REF. SHEET: F3 / A211



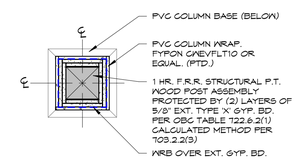
D6 COLUMN DETAIL

1 1/2" = 1'-0" REF. SHEET: F3 / A211



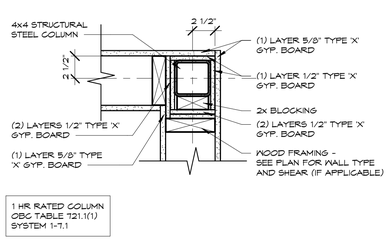
D4 COLUMN DETAIL

1 1/2" = 1'-0" REF. SHEET: D3/ A261



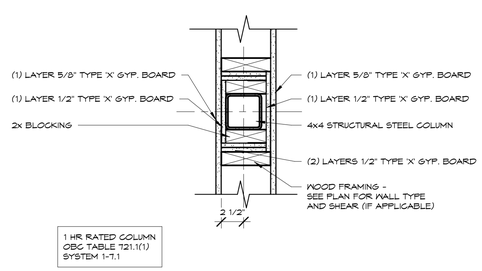
D1 COLUMN DETAIL

1" = 1'-0"



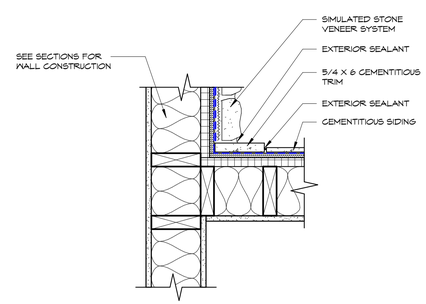
F6 COLUMN DETAIL

1 1/2" = 1'-0" REF. SHEET: D3/ A261



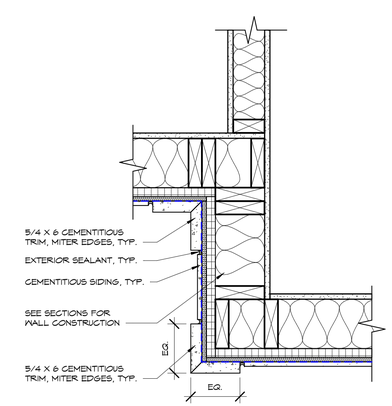
F4 COLUMN DETAIL

1 1/2" = 1'-0" REF. SHEET: F6 / A211



F3 PLAN DETAIL

1 1/2" = 1'-0" REF. SHEET: F3 / A211



F1 PLAN DETAIL

1 1/2" = 1'-0" REF. SHEET: F3 / A211

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PLAN DETAILS

A606

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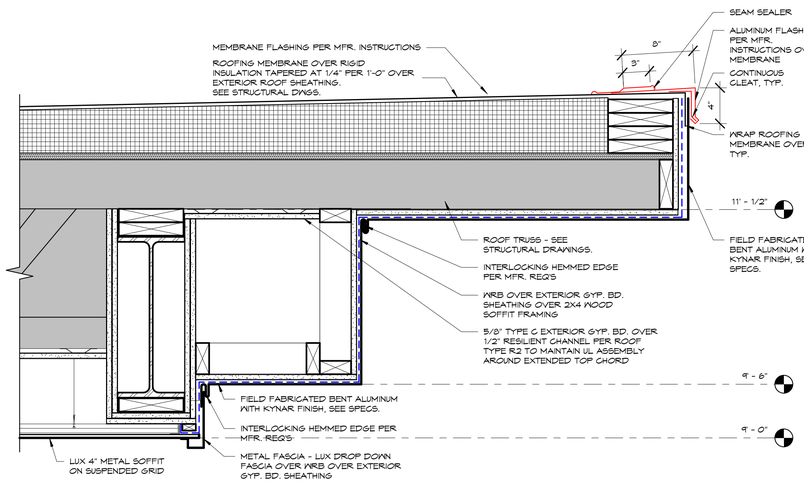
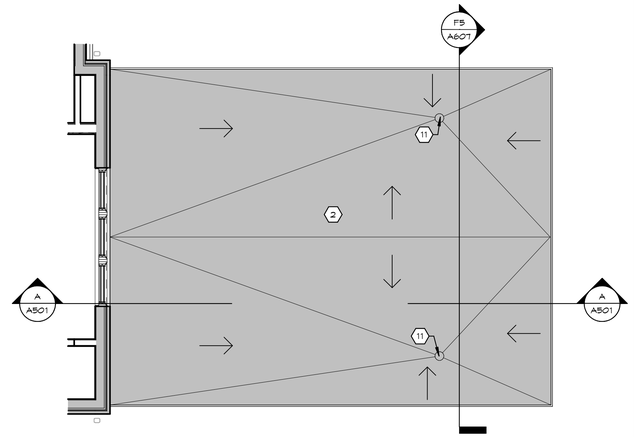


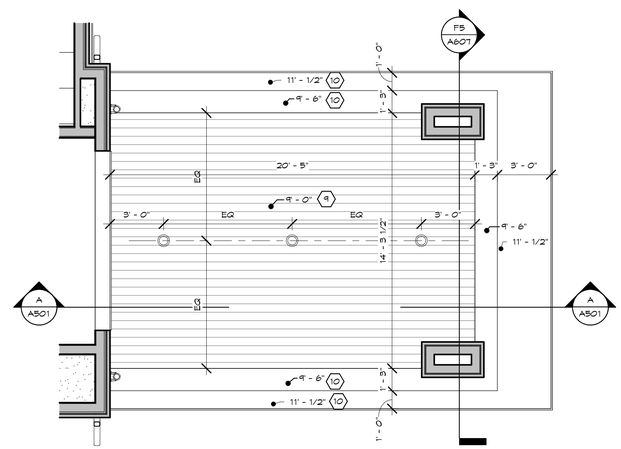
C5 SECTION DETAIL

1 1/2" = 1'-0" REF. SHEET: A / A501



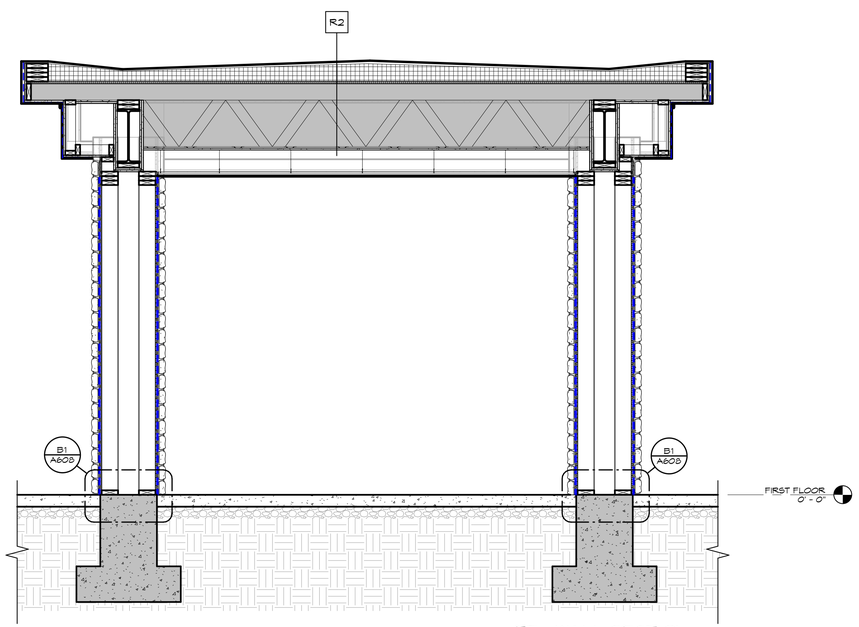
C4 ENLARGED CANOPY ROOF PLAN

1/4" = 1'-0" REF. SHEET: F6 / G004



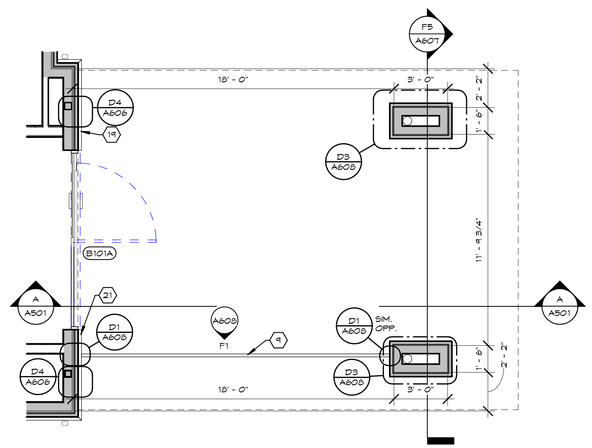
D4 ENLARGED CANOPY REFLECTED CEILING PLAN

1/4" = 1'-0" REF. SHEET: F6 / G004



F5 WALL SECTION

1/2" = 1'-0" REF. SHEET: C4 / A607



F4 ENLARGED CANOPY FLOOR PLAN

1/4" = 1'-0" REF. SHEET: F6 / G004

ROOF CODED NOTES: (X)

1. DIMENSIONAL ASPHALT SHINGLES OVER ROOFING FELT, ICE DAM MEMBRANE, ACCESSORIES ETC., OVER ROOF SHEATHING. SEE SPECIFICATION SECTION 07 31 00 AND 07 62 00.

2. FULLY ADHERED 0.060" EPDM ROOFING MEMBRANE SYSTEM OVER 1/2" COVER BOARD ON MIN. R-25 LTTR RIGID ROOF INSULATION TAPERED @ 1/4" PER FT. OVER ROOF SHEATHING ON ROOF TRUSSES. SEE STRUCTURAL DWGS. AND ARCHITECTURAL SECTIONS FOR MORE INFO.

3. CONTINUOUS RIDGE VENT. SEE DETAIL A3 / A604 .

4. HALF RIDGE VENT. SEE DETAIL C1 / A604.

5. PREFINISHED ALUMINUM 6" OGEE GUTTER.

6. PREFINISHED ALUMINUM 3" X 4" DOWNSPOUT. TIE TO PERIMETER STORM LINES WITH PVC BOOT. SEE CIVIL DWGS. FOR MORE INFO.

7. APPROXIMATE LOCATION OF NEW MECHANICAL EQUIPMENT. SEE MEP AND STRUC. DRAWINGS FOR MORE INFO, TYP.

8. 2'X2' EPDM ROOF MATS LOCATED TO PROVIDE ACCESS AROUND ALL ROOF TOP MECH. EQUIP. HEAT WELDED TO ROOF. PADS SHOULD BE 1'-0" APART. COORDINATE EXACT LOCATION WITH OWNER AND CONTRACTORS IN FIELD.

9. FULLY ADHERED 0.060" EPDM ROOFING MEMBRANE SYSTEM OVER MIN. 1/2" RIGID INSULATION TAPERED AT MIN. 1/4" PER 1'-0" OVER ROOF SHEATHING ON ROOF TRUSSES. SEE STRUCTURAL DWGS. AND ARCHITECTURAL SECTIONS FOR MORE INFO.

10. F.R.T. PLYWOOD ROOF SHEATHING, EXTEND MIN 4'-0" BEYOND FIRE WALL EACH WAY. SEE DETAIL E1 / A604

11. PRIMARY AND SECONDARY ROOF DRAIN. SEE DETAIL E5 / A604 AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.

12. 30"W X 36"H ROOF ACCESS HATCH. SEE DETAIL D1 / A605 FOR MORE INFORMATION.

13. TRASH CHUTE. SEE F7 / A612 FOR MORE INFO.

14. ROOF CRICKET AS REQUIRED. COORDINATE WITH ROOF SLOPE.

15. ROOF VALLEY. SEE DETAILD3 / A605

16. CONTINUOUS SMART VENT. SEE B1 / A604

REFLECTED CEILING PLAN GENERAL NOTES:

A. SEE FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL FIXTURES, DEVICES AND DIFFUSERS. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS.

B. IN THE EVENT OF A DISCREPANCY BETWEEN THE MEP DRAWINGS AND THE REFLECTED CEILING PLANS, THE REFLECTED CEILING PLANS SHALL PREVAIL. PLEASE NOTIFY THE ARCHITECT FOR REVIEW.

C. ALL RECESSED CANS IN RATED CEILINGS TO HAVE RATED ENCLOSURE CAP. REFER TO ELEC. SPECIFICATIONS FOR ENCLOSURE CAP.

D. PROVIDE FIRE STOPS AT ALL DROP CEILINGS AND SOFFITS.

E. ALL ACOUSTIC CEILING GRIDS SHOULD BE CENTERED IN THE ROOM UNLESS DIMENSIONED OTHERWISE.

F. LIGHT FIXTURES SHOULD BE CENTERED IN THE CEILING UNLESS DIMENSIONED OTHERWISE.

G. SEE UNIT PLAN SHEET **A251** FOR INDIVIDUAL UNIT CEILING PLAN INFORMATION.

H. — — — — DASHED LINE, INDICATES GENERAL LOCATION OF 1/4" GYP. CONTROL JOINTS BY CLARK DIETRICH OR EQUAL, U.N.O. G.C. TO COORDINATE WITH GYP. BD. MANUFACTURER TO INSALL ADDITIONAL CONTROL JOINTS AS REQUIRED TO MEET 30 FT O.C. MAX. SPACING.

RCP MATERIAL LEGEND:

ROOMS WITH HATCH PATTERN INDICATE 1 OR 2 HR. RATED FLOOR/CEILING ASSEMBLY OR ROOF/CEILING ASSEMBLY. SEE ROOF/CEILING AND FLOOR/CEILING ASSEMBLY SCHEDULE ON SHEET G002 FOR MORE INFORMATION. (10'-0" HEIGHT ON FLOOR 1, 9'-0" HEIGHT ON FLOORS 2 & 3)

NON RATED GYP BOARD CEILING/SOFFIT

LINEAR METAL SOFFIT

RCP FIXTURE LEGEND:

RECESSED CAN LIGHT

REFLECTED CEILING CODED NOTES: (X)

1. NON-RATED GYP. CEILING ASSEMBLY. (1) LAYER 5/8" GYP. OVER 2X4 F.R.T. WOOD OR METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.

2. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 WOOD FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.

3. SOFFIT WITH (1) LAYER 5/8" GYP. ON 2X4 F.R.T. WOOD OR 20 GA METAL FRAMING SYSTEM @ 24" O.C. MAX. G.C. TO PROVIDE PROPER BRACING AND SUPPORTS AS REQUIRED.

4. 1/4" GYP. CONTROL JOINT BY CLARK DIETRICH OR EQUAL

5. 22" X 30" 1 HR. RATED ACCESS PANEL. SEE DETAIL F7 / A351

6. EXTERIOR ALUMINUM SOFFIT. SEE WALL SECTIONS.

7. CROWN MOULDING. SEE INTERIOR DWGS. FOR MORE INFO.

8. 30" X 36" 1 HR. RATED ROOF ACCESS HATCH. SEE D1 / A605 FOR MORE INFO.

9. 4" LUX METAL SOFFIT.

10. FIELD FABRICATED BENT ALUMINUM.

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **G001** FOR MOUNTING HEIGHT AND **G003** FOR PLAN DETAIL

2. RECESSED MAILBOX UNITS. SEE B4 / A101 FOR MORE INFO.

3. TACTILE EXIT SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. AT ALL EGRESS EXIT DOORS. SEE **G001** FOR MORE INFO.

4. TACTILE STAIR IDENTIFICATION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. SEE **G001** FOR MORE INFO.

5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE **G001** FOR MORE INFO.

6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON **G001**

7. TACTILE TWO-WAY COMMUNICATION IDENTIFICATION & DIRECTION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ACCESSIBILITY CODES. SEE **G001** FOR MORE INFO.

8. DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF ALL OTHER MEANS OF EGRESS AND WHICH OF THOSE ARE ACCESSIBLE TO COMPLY WITH OBC 1009.10.

9. EXTERIOR HANDRAIL. SEE ELEVATIONS AND DETAILS FOR MORE INFO.

10. DECORATIVE PVC COLUMN. SEE DETAIL D1 / A606 FOR ADDITIONAL INFORMATION.

11. 4" CONCRETE SLAB ON 4" GRAVEL BASE. SLOPE 1/4" PER FOOT AWAY FROM BUILDING. SEE CIVIL DWGS. AND SECTIONS FOR ADDITIONAL INFORMATION.

12. SIDEWALK. SEE CIVIL DWGS.

13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.

14. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.

15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.

16. RESIDENTIAL APPLIANCES AND EQUIPMENT PROVIDED BY G.C. INSTALLED BY G.C. G.C. TO COORDINATE WITH OWNER AND PROVIDE ELECTRICAL AND PLUMBING CONNECTIONS AS NEEDED. SEE APPLIANCE SCHEDULE FOR MORE INFO.

17. CASED OPENING. 6'-0" W X 7'-0" H.

18. LADDER TO ROOF HATCH. MAINTAIN FLOOR CLEARANCE. SEE DETAIL F7 / A351 FOR MORE INFORMATION.

19. ACCESS CONTROL CREDENTIAL READER. SEE LOW VOLTAGE, ELECTRICAL AND DOOR HARDWARE SCHEDULE FOR MORE INFORMATION.

20. 24"X24" MOP SINK WITH FRP. UP TO 60" A.F.F. ON ADJACENT WALLS. WALL HUNG MOP HOLDER AND SHELF. G.C. TO PROVIDE SOLID WOOD BLOCKING AS REQUIRED. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.

21. KNOX BOX PER LOCAL FIRE DEPARTMENT.

22. FIRE-RATED RENT DROP BOX. THE SAFETY LETTERBOX COMPANY FR3 OR EQUAL. MOUNT BOX WITH DROP SLOT AT 48" MAX. A.F.F

23. WATER TANK. NORWESCO 500 GALLON DOORWAY TANK OR APPROVED EQUAL.

24. TV PROVIDED BY OWNER. GC. TO PROVIDE BLOCKING AS REQUIRED. SEE ELEVATIONS AND ELECTRICAL DWGS FOR MORE INFORMATION. GC TO INSTALL OWNER PROVIDED TV BRACKETS.

25. CHAIR RAIL. SEE DETAIL B1 / A701 FOR MORE INFO.

26. HAND RAIL. SEE DETAIL C2 / A701 FOR MORE INFO.

27. TRASH CHUTE - SEE SPECIFICATIONS FOR MORE INFO.

28. FURNITURE/EQUIPMENT BY OWNER. NIC.

29. TRASH CHUTE DOOR. 18" X 18" SELF CLOSING INTAKE DOOR BY TRASH CHUTE MFR.

30. ROOF DRAIN LINE - SEE MEP DWGS. FOR MORE INFO.

31. PREFINISHED VINYL CLAD STEEL ROD SHELVING.

32. WIRE SHELVING RACKS.

33. PROVIDE CLEAR ANNEALED MIRRORS WITH SAFETY BACKING ALONG INDICATED WALL.

34. FLOOR DRAIN - SEE PLUMBING DWGS. FOR MORE INFO.

35. FUR OUT PORTION OF WALL WITH 1/2" GYP. BD. TO ALIGN FINISH FACE.

36. MECHANICAL LOUVER - SEE MEP DWGS. FOR MORE INFO.

37. CUSTODIAL CART
A. RUBBERMAID MODEL # FG131500BLA
B. RUBBERMAID MODEL # 9T14

38. 8'-0" WORK BENCH

39. PORTABLE FIRE EXTINGUISHER. TYPE K, WC 6L.

40. ADD ADDITIONAL LAYER OF 1/2" GWB TO FLUSH INTERIOR WALL SURFACE WITH SHEAR WALL.

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NO.	DATE	REVISION

JOB NO. : 2025-21

PHASE : CONSTRUCTION DOCUMENTS

ISSUED FOR : 80% BID SET

DATE : 1/06/2026

CANOPY PLANS AND DETAILS

A607

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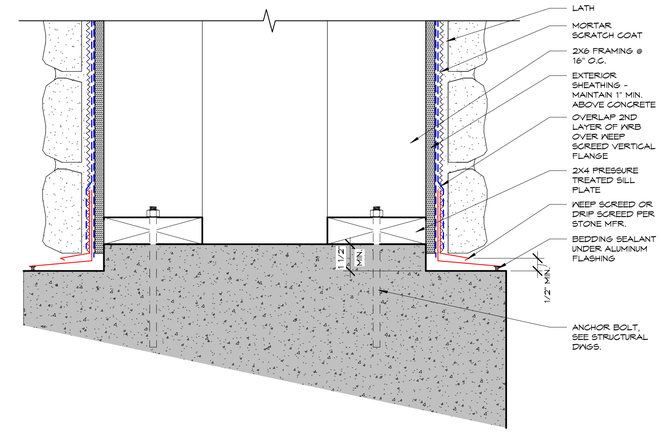
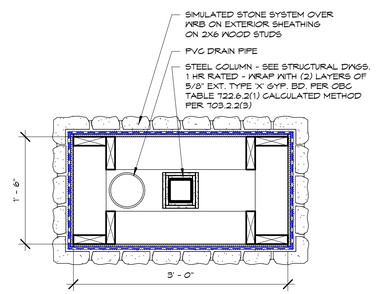


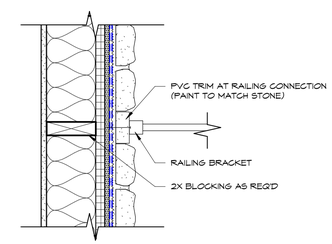
B1 STONE DETAIL

3" = 1'-0" REF. SHEET: F5 / A607



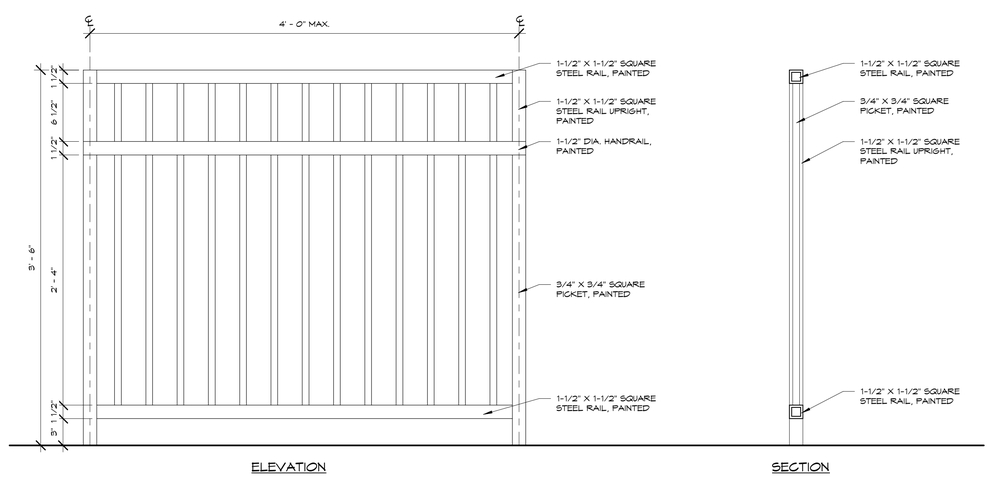
D3 PLAN DETAIL

1" = 1'-0" REF. SHEET: F4 / A607



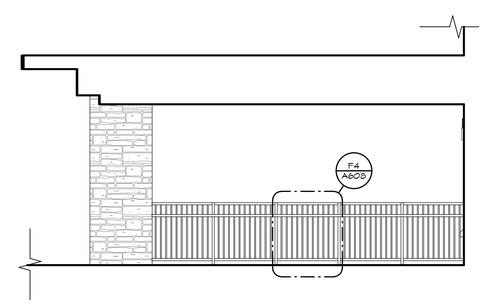
D1 PLAN DETAIL

1 1/2" = 1'-0" REF. SHEET: F4 / A607



F4 RAILING DETAILS

1 1/2" = 1'-0" REF. SHEET: F1 / A608



F1 RAILING ELEVATION

1/4" = 1'-0" REF. SHEET: F4 / A607

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CANOPY DETAILS

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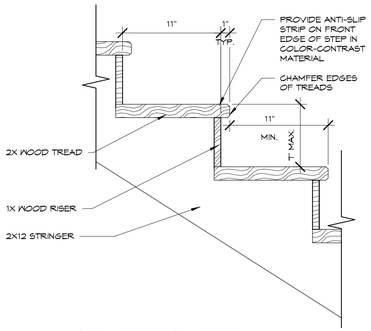
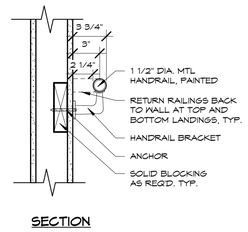


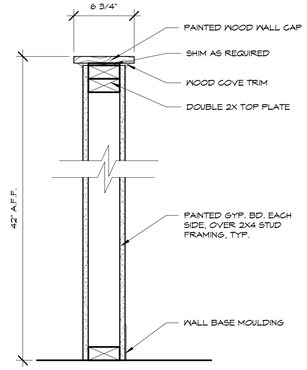
B7 SECTION DETAIL

1 1/2" = 1'-0" REF. SHEET: F5 / A610



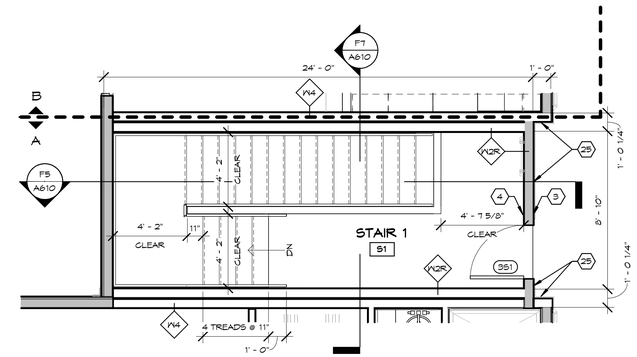
B6 STAIR HANDRAIL DETAIL

1 1/2" = 1'-0" REF. SHEET: F5 / A610



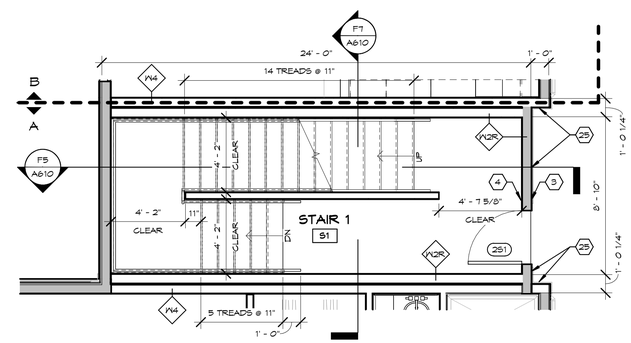
B4 SECTION DETAIL

1 1/2" = 1'-0" REF. SHEET: F5 / A610



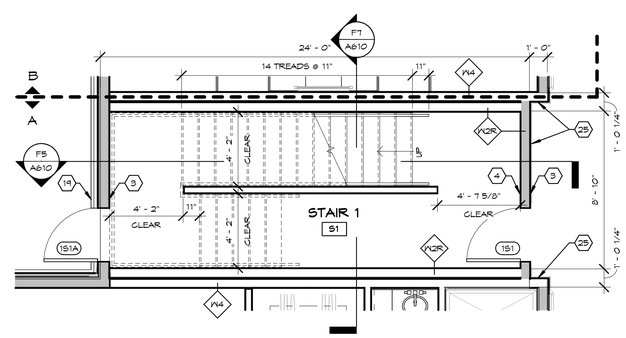
B3 ENLARGED THIRD FLOOR PLAN - STAIR 1

1/4" = 1'-0" REF. SHEET: F6 / G004



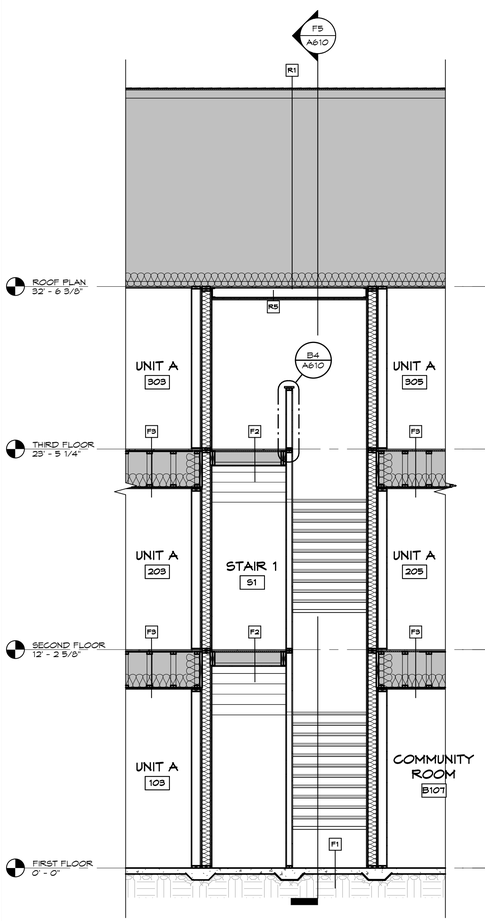
D3 ENLARGED SECOND FLOOR PLAN - STAIR 1

1/4" = 1'-0" REF. SHEET: F6 / G004



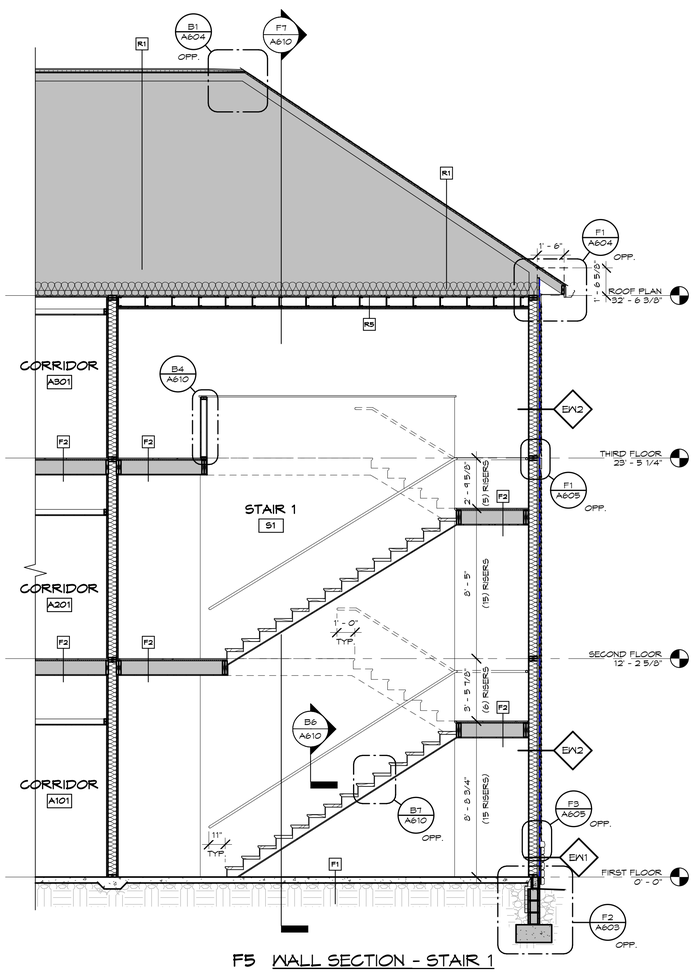
F3 ENLARGED FIRST FLOOR PLAN - STAIR 1

1/4" = 1'-0" REF. SHEET: F6 / G004



F7 WALL SECTION - STAIR 1

1/4" = 1'-0" REF. SHEET: F5 / A261



F5 WALL SECTION - STAIR 1

1/4" = 1'-0" REF. SHEET: B3 / A610

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **G001** FOR MOUNTING HEIGHT AND **G003** FOR PLAN DETAIL
2. RECESSED MAILBOX UNITS. SEE B4 / A701 FOR MORE INFO.
3. TACTILE EXIT SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. AT ALL EGRESS EXIT DOORS. SEE **G001** FOR MORE INFO.
4. TACTILE STAIR IDENTIFICATION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. SEE **G001** FOR MORE INFO.
5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE **G001** FOR MORE INFO.
6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON **G001**
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9. EXTERIOR HANDRAIL. SEE ELEVATIONS AND DETAILS FOR MORE INFO.
10. DECORATIVE PVC COLUMN. SEE DETAIL D1 / A606 FOR ADDITIONAL INFORMATION.
11. 4" CONCRETE SLAB ON 4" GRAVEL BASE. SLOPE 1/4" PER FOOT AWAY FROM BUILDING. SEE CIVIL DWGS. AND SECTIONS FOR ADDITIONAL INFORMATION.
12. SIDEWALK. SEE CIVIL DWGS.
13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.
14. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.
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23. WATER TANK. NORWESCO 500 GALLON DOORWAY TANK OR APPROVED EQUAL.
24. TV PROVIDED BY OWNER. GC TO PROVIDE BLOCKING AS REQUIRED. SEE ELEVATIONS AND ELECTRICAL DWGS FOR MORE INFORMATION. GC TO INSTALL OWNER PROVIDED TV BRACKETS.
25. CHAIR RAIL. SEE DETAIL B1 / A701 FOR MORE INFO.
26. HAND RAIL. SEE DETAIL C2 / A701 FOR MORE INFO.
27. TRASH CHUTE - SEE SPECIFICATIONS FOR MORE INFO.
28. FURNITURE/EQUIPMENT BY OWNER. NIC.
29. TRASH CHUTE DOOR. 18" X 18" SELF CLOSING INTAKE DOOR BY TRASH CHUTE MFR.
30. ROOF DRAIN LINE - SEE MEP DWGS. FOR MORE INFO.
31. PREFINISHED VINYL CLAD STEEL ROD SHELVING.
32. WIRE SHELVING RACKS.
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34. FLOOR DRAIN - SEE PLUMBING DWGS. FOR MORE INFO.
35. FUR OUT PORTION OF WALL WITH 1/2" GYP. BD. TO ALIGN FINISH FACE.
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STAIR 1 - PLANS AND DETAILS

A610

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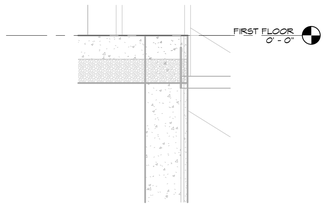
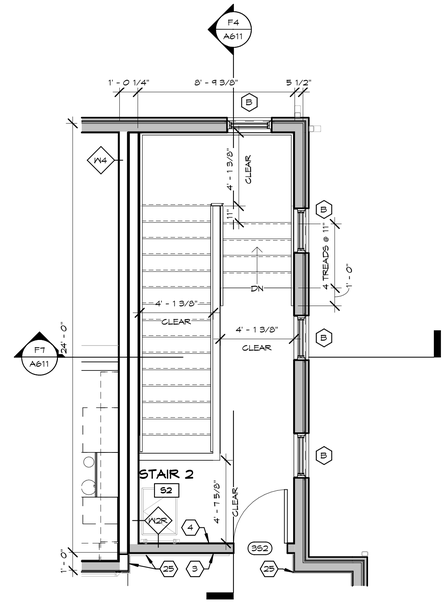
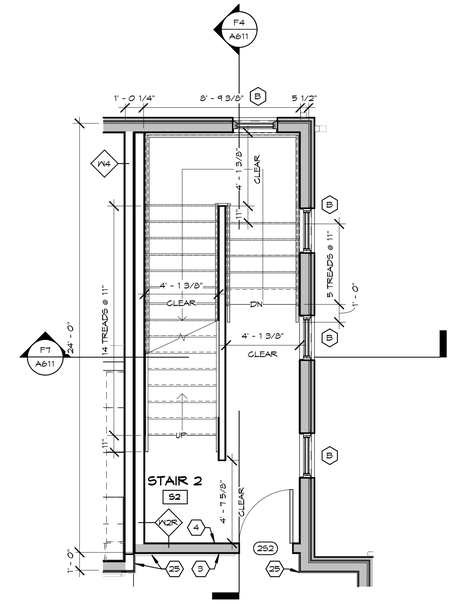


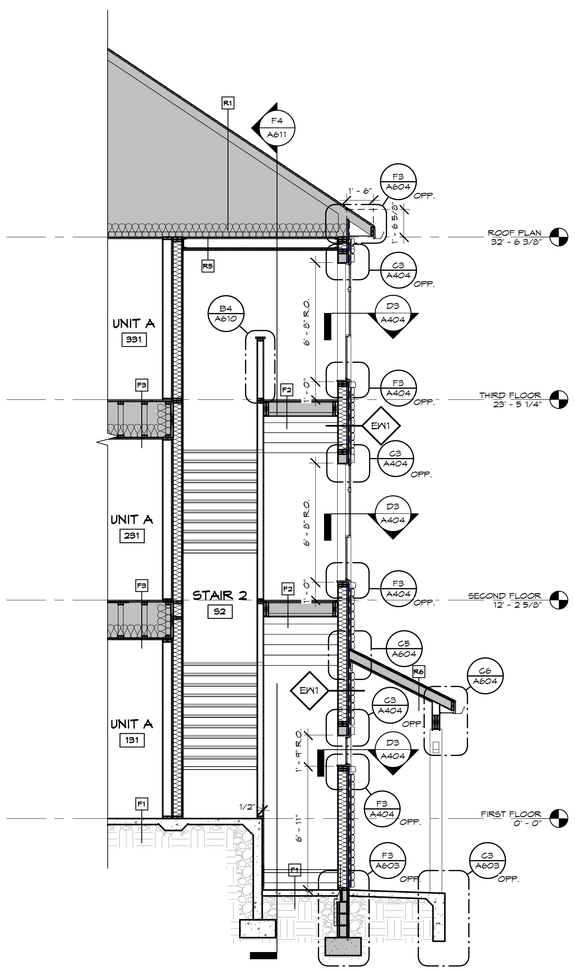
A5 SECTION DETAIL
1" = 1'-0" REF. SHEET: F4 / A611



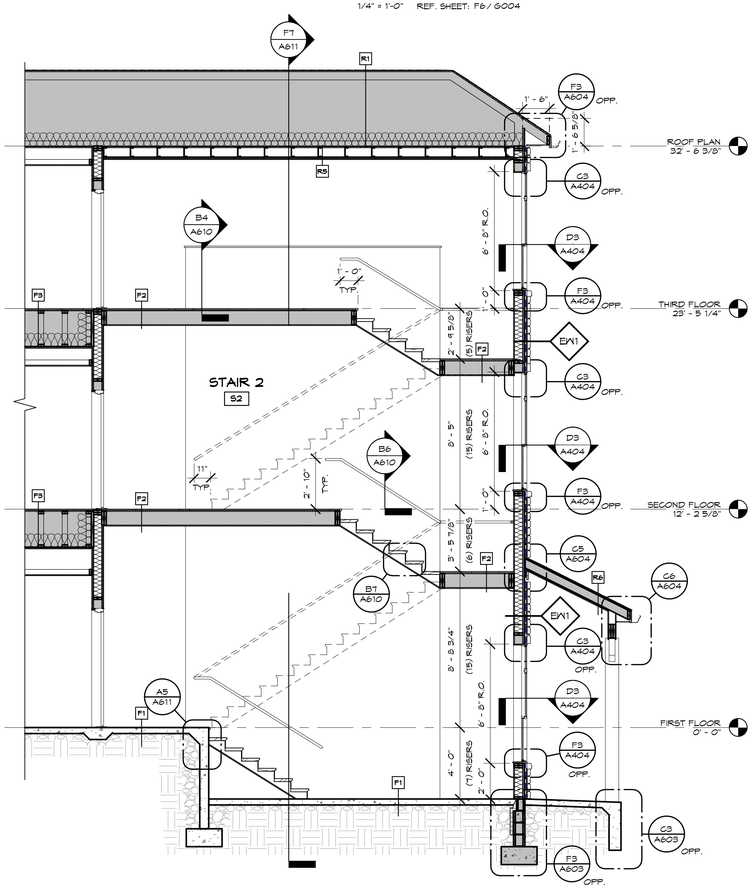
C4 ENLARGED THIRD FLOOR PLAN - STAIR 2
1/4" = 1'-0" REF. SHEET: F6 / G004



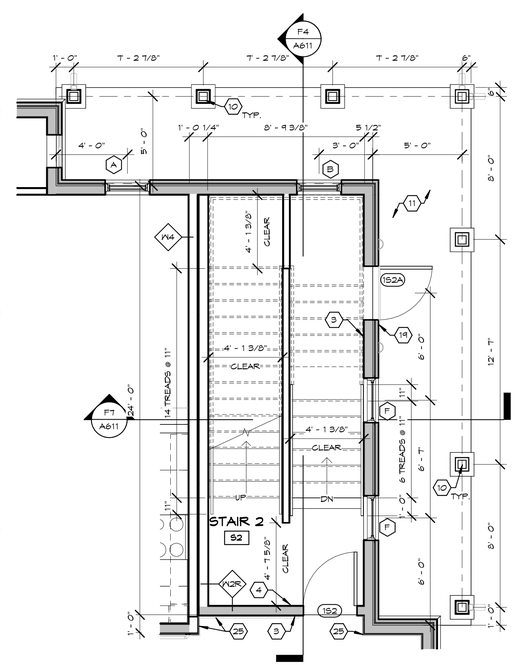
C3 ENLARGED SECOND FLOOR PLAN - STAIR 2
1/4" = 1'-0" REF. SHEET: F6 / G004



F7 WALL SECTION - STAIR 2
1/4" = 1'-0" REF. SHEET: F3 / A241



F4 WALL SECTION - STAIR 2
1/4" = 1'-0" REF. SHEET: F3 / A241



F3 ENLARGED FIRST FLOOR PLAN - STAIR 2
1/4" = 1'-0" REF. SHEET: F6 / G004

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **G001** FOR MOUNTING HEIGHT AND **G003** FOR PLAN DETAIL
2. RECESSED MAILBOX UNITS. SEE B4 / A701 FOR MORE INFO.
3. TACTILE EXIT SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. AT ALL EGRESS EXIT DOORS. SEE **G001** FOR MORE INFO.
4. TACTILE STAIR IDENTIFICATION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. SEE **G001** FOR MORE INFO.
5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE **G001** FOR MORE INFO.
6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON **G001**
7. TACTILE TWO-WAY COMMUNICATION IDENTIFICATION & DIRECTION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ACCESSIBILITY CODES. SEE **G001** FOR MORE INFO.
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12. SIDEWALK. SEE CIVIL DWGS.
13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.
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15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.
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18. LADDER TO ROOF HATCH. MAINTAIN FLOOR CLEARANCE. SEE DETAIL F7 / A351 FOR MORE INFORMATION.
19. ACCESS CONTROL CREDENTIAL READER. SEE LOW VOLTAGE, ELECTRICAL AND DOOR HARDWARE SCHEDULE FOR MORE INFORMATION.
20. 24"X24" MOP SINK WITH FRP, UP TO 60" A.F.F. ON ADJACENT WALLS. WALL HUNG MOP HOLDER, AND SHELF. G.C. TO PROVIDE SOLID WOOD BLOCKING AS REQUIRED. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
21. KNOX BOX PER LOCAL FIRE DEPARTMENT.
22. FIRE-RATED RENT DROP BOX. THE SAFETY LETTERBOX COMPANY FR3 OR EQUAL. MOUNT BOX WITH DROP SLOT AT 48" MAX. A.F.F
23. WATER TANK. NORWESCO 500 GALLON DOORWAY TANK OR APPROVED EQUAL.
24. TV PROVIDED BY OWNER. GC TO PROVIDE BLOCKING AS REQUIRED. SEE ELEVATIONS AND ELECTRICAL DWGS FOR MORE INFORMATION. GC TO INSTALL OWNER PROVIDED TV BRACKETS.
25. CHAIR RAIL. SEE DETAIL B1 / A701 FOR MORE INFO.
26. HAND RAIL. SEE DETAIL C2 / A701 FOR MORE INFO.
27. TRASH CHUTE - SEE SPECIFICATIONS FOR MORE INFO.
28. FURNITURE/EQUIPMENT BY OWNER. NIC.
29. TRASH CHUTE DOOR. 18" X 18" SELF CLOSING INTAKE DOOR BY TRASH CHUTE MFR.
30. ROOF DRAIN LINE - SEE MEP DWGS. FOR MORE INFO.
31. PREFINISHED VINYL CLAD STEEL ROD SHELVING.
32. WIRE SHELVING RACKS.
33. PROVIDE CLEAR ANNEALED MIRRORS WITH SAFETY BACKING ALONG INDICATED WALL.
34. FLOOR DRAIN - SEE PLUMBING DWGS. FOR MORE INFO.
35. FUR OUT PORTION OF WALL WITH 1/2" GYP. BD. TO ALIGN FINISH FACE.
36. MECHANICAL LOUVER - SEE MEP DWGS. FOR MORE INFO.
37. CUSTODIAL CART
    A. RUBBERMAID MODEL # FG131500BLA
    B. RUBBERMAID MODEL # 9T14
38. 8'-0" WORK BENCH
39. PORTABLE FIRE EXTINGUISHER. TYPE K, NC 6L.
40. ADD ADDITIONAL LAYER OF 1/2" GWB TO FLUSH INTERIOR WALL SURFACE WITH SHEAR WALL.

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STAIR 2 - PLANS AND DETAILS

A611

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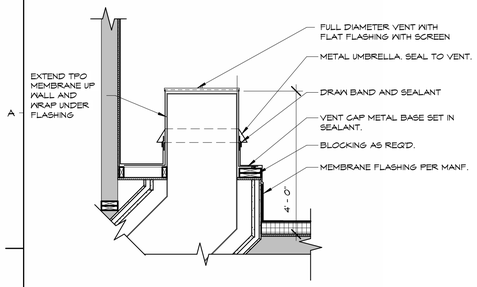
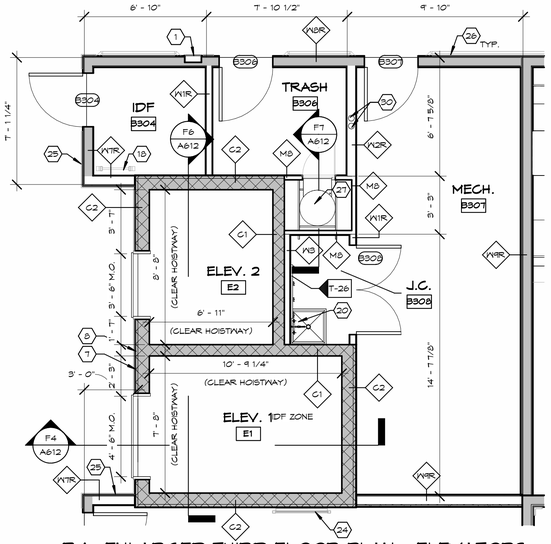


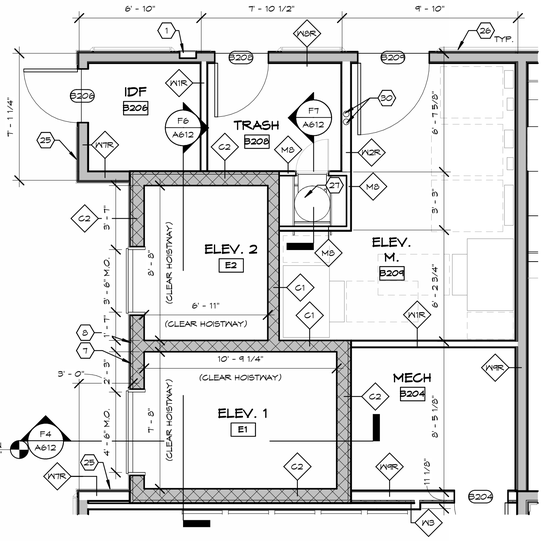
A7 SECTION DETAIL

1/2" = 1'-0" REF. SHEET: F7 / A612



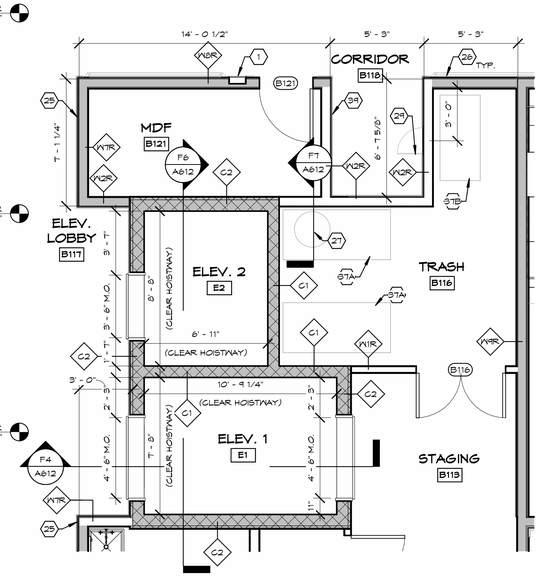
B4 ENLARGED THIRD FLOOR PLAN - ELEVATORS

1/4" = 1'-0" REF. SHEET: F6 / G004



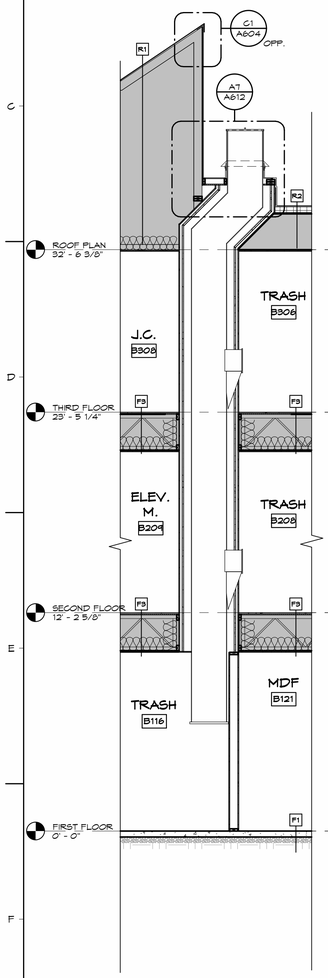
D3 ENLARGED SECOND FLOOR PLAN - ELEVATORS

1/4" = 1'-0" REF. SHEET: F6 / G004



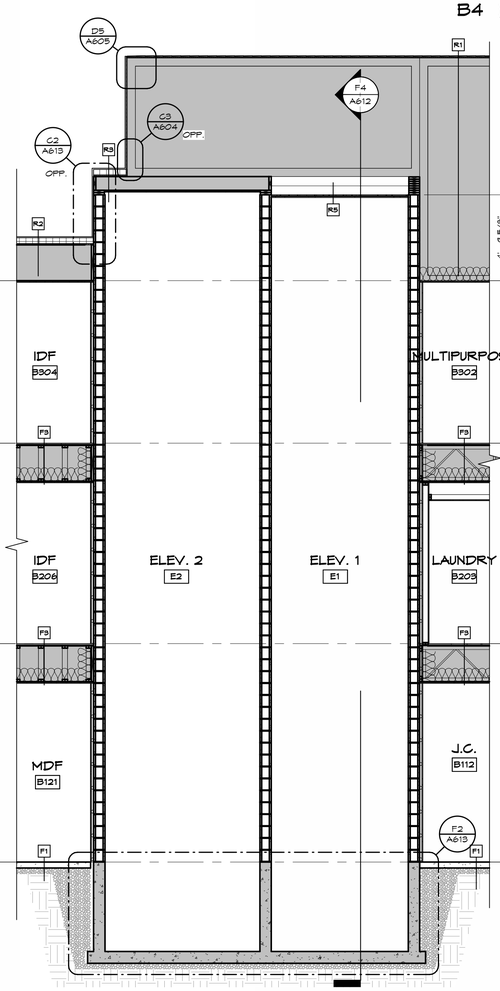
F3 ENLARGED FIRST FLOOR PLAN - ELEVATORS

1/4" = 1'-0" REF. SHEET: F6 / G004



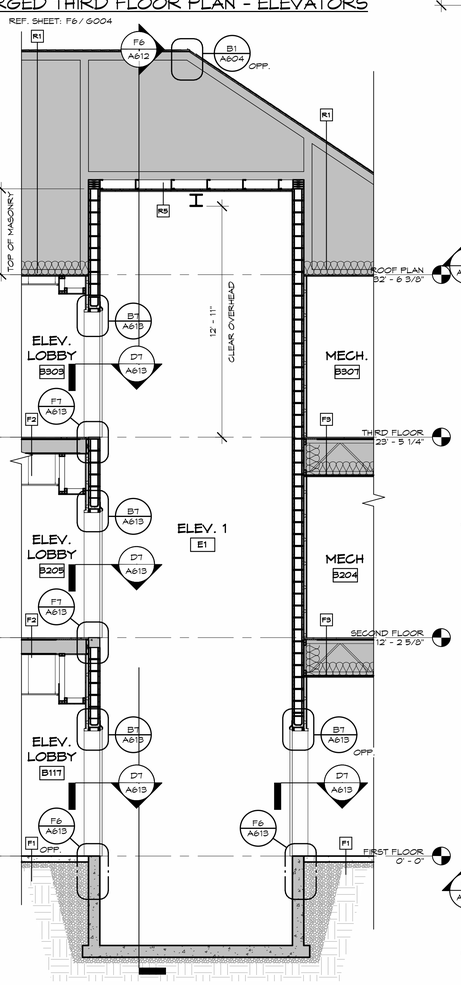
F7 WALL SECTION - TRASH CHUTE

1/4" = 1'-0" REF. SHEET: B4/ A612



F6 WALL SECTION - ELEVATORS

1/4" = 1'-0" REF. SHEET: B4/ A612



F4 WALL SECTION - ELEVATORS

1/4" = 1'-0" REF. SHEET: B4/ A612

FLOOR PLAN CODED NOTES: (X)

1. G.C. TO PROVIDE AND INSTALL FIRE EXTINGUISHER WITH SEMI-RECESSED FIRE EXTINGUISHER CABINET. LARSEN ARCHITECTURAL SERIES, VERTICAL DUO CABINET WITH MULTIPURPOSE DRY-CHEMICAL MP5 SERIES UL-RATED 2A:10,B,C 5LB EXTINGUISHER. SEE **G001** FOR MOUNTING HEIGHT AND **G003** FOR PLAN DETAIL
2. RECESSED MAILBOX UNITS. SEE B4 / A701 FOR MORE INFO.
3. TACTILE EXIT SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. AT ALL EGRESS EXIT DOORS. SEE **G001** FOR MORE INFO.
4. TACTILE STAIR IDENTIFICATION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ADA. SEE **G001** FOR MORE INFO.
5. POSTED OCCUPANCY SIGNAGE AT 60" AFF. SEE **G001** FOR MORE INFO.
6. PROVIDE ACCESSIBLE RESTROOM SIGNAGE PER DETAILS ON **G001**
7. TACTILE TWO-WAY COMMUNICATION IDENTIFICATION & DIRECTION SIGN WITH BRAILLE @ 60" A.F.F. MAX. PER ACCESSIBILITY CODES. SEE **G001** FOR MORE INFO.
8. DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF ALL OTHER MEANS OF EGRESS AND WHICH OF THOSE ARE ACCESSIBLE TO COMPLY WITH OBC 1009.10.
9. EXTERIOR HANDRAIL. SEE ELEVATIONS AND DETAILS FOR MORE INFO.
10. DECORATIVE PVC COLUMN. SEE DETAIL D1 / A606 FOR ADDITIONAL INFORMATION.
11. 4" CONCRETE SLAB ON 4" GRAVEL BASE. SLOPE 1/4" PER FOOT AWAY FROM BUILDING. SEE CIVIL DWGS. AND SECTIONS FOR ADDITIONAL INFORMATION.
12. SIDEWALK. SEE CIVIL DWGS.
13. PREFINISHED ALUMINUM 3X4 DOWNSPOUT. TIED WITH BOOTS INTO PERIMETER STORM LINES. REFER TO CIVIL DWGS.
14. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
15. MILLWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQ'D. SEE FINISH PLAN AND SCHEDULE FOR MORE INFO.
16. RESIDENTIAL APPLIANCES AND EQUIPMENT PROVIDED BY G.C. INSTALLED BY G.C. G.C. TO COORDINATE WITH OWNER AND PROVIDE ELECTRICAL AND PLUMBING CONNECTIONS AS NEEDED. SEE APPLIANCE SCHEDULE FOR MORE INFO.
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SPEC ID#	DESCRIPTION	COMMENTS
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T-04	TOWEL DISP. / WASTE RECEP.	RECESSED/MAN.
T-09	MIRROR	MATCH COUNTER LENGTH
T-11	GRAB BAR (SEE G001 FOR TYP. SIZE)	
T-13	SHOWER CURTAIN ROD	
T-15	SHOWER SEAT	FOLDING 30X60
T-18	TOWEL BAR	24"
T-21	ROBE HOOK	
T-22	MEDICINE CABINET	RECESSED
T-26	MOP & BROOM HOLDER	

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ELEVATOR PLANS AND DETAILS

A612

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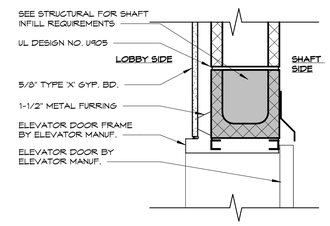
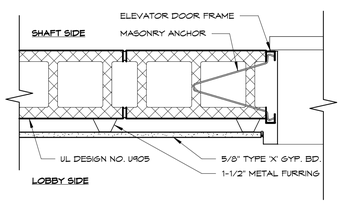


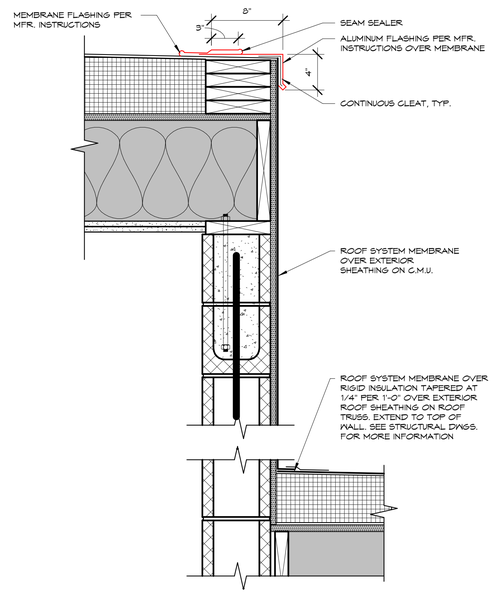
B7 ELEV. DOOR HEAD DETAIL

1 1/2" = 1'-0" REF. SHEET: F4 / A612



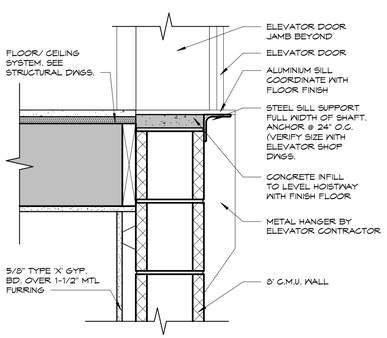
D7 ELEV. DOOR JAMB DETAIL

1 1/2" = 1'-0" REF. SHEET: F4 / A612



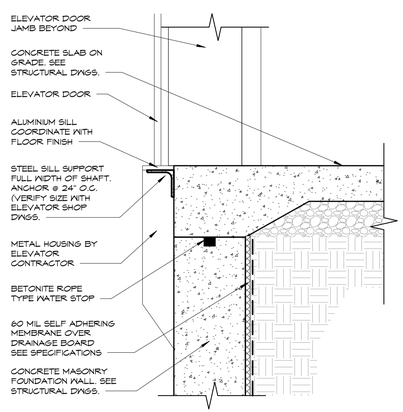
C2 SECTION DETAIL

1 1/2" = 1'-0" REF. SHEET: F6 / A612



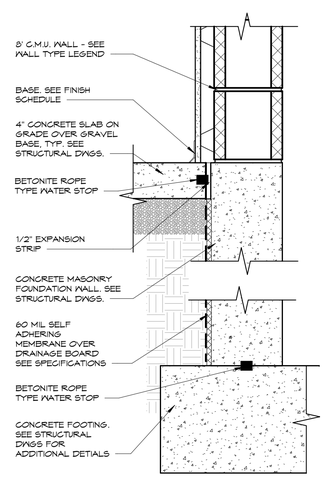
F7 ELEV. DOOR THRESHOLD DETAIL

1 1/2" = 1'-0" REF. SHEET: F4 / A612



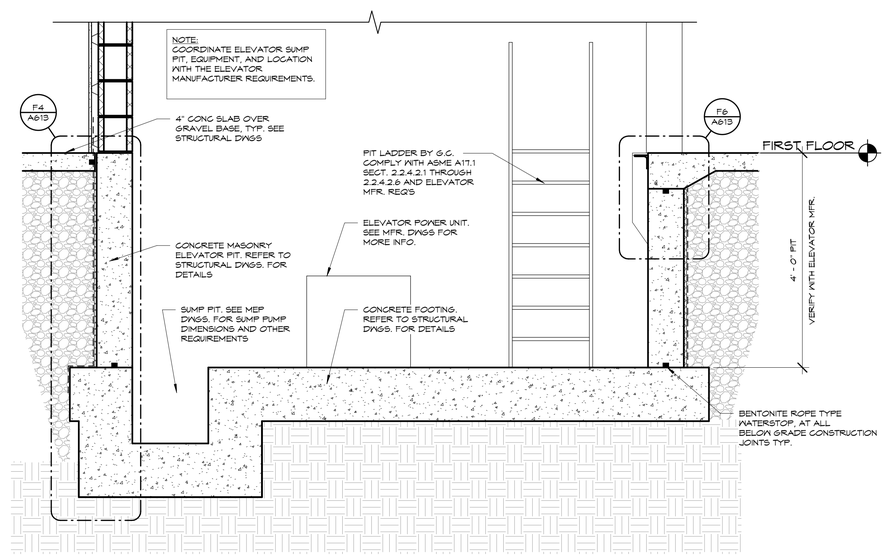
F6 ELEV. DOOR THRESHOLD DETAIL

1 1/2" = 1'-0" REF. SHEET: F4 / A612



F4 ELEVATOR DETAIL

1 1/2" = 1'-0" REF. SHEET: F2 / A613



F2 ELEVATOR PIT DETAIL

3/4" = 1'-0" REF. SHEET: F6 / A612

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ELEVATOR DETAILS

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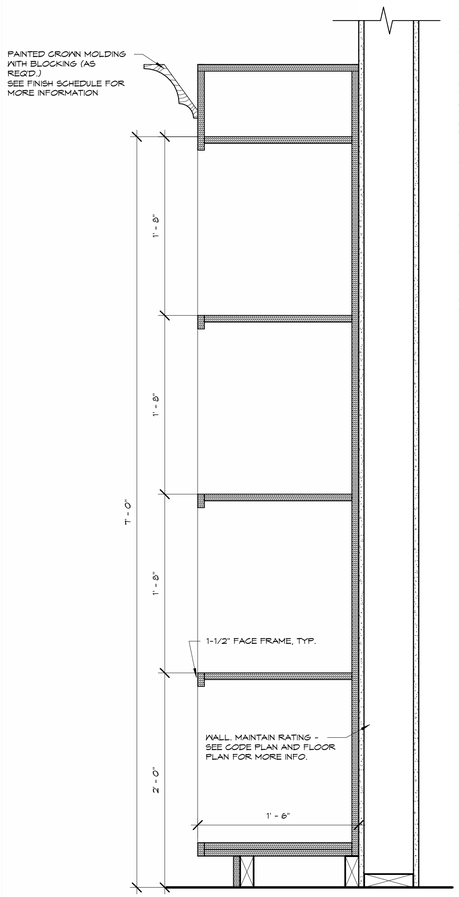

D7 CASEWORK SECTION

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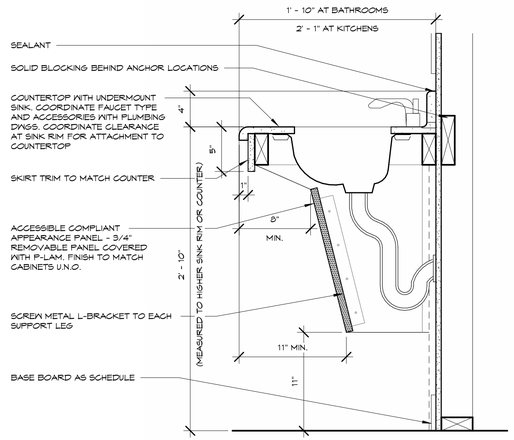
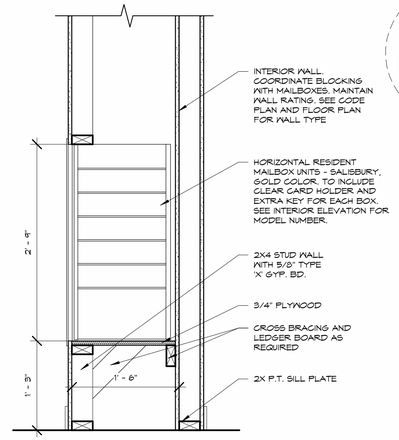


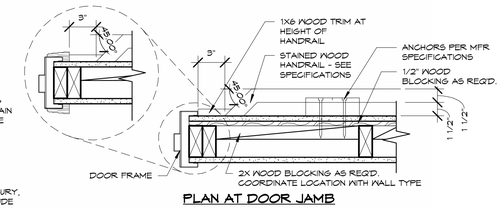
B5 ACCESSIBLE VANITY SECTION

1 1/2" = 1'-0" REF. SHEET: A6 / A251

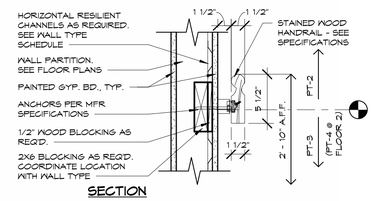


B4 SECTION DETAIL

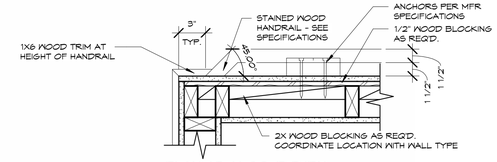
1" = 1'-0" REF. SHEET: F3 / A701



PLAN AT DOOR JAMB



SECTION

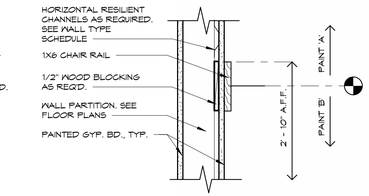


PLAN AT ALCOVE TURN

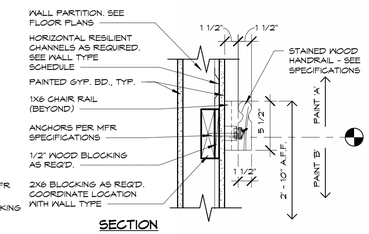
HANDRAIL WITH RESILIENT CHANNEL

C2 ADA HANDRAIL DETAIL

1 1/2" = 1'-0"



CHAIRRAIL DETAIL

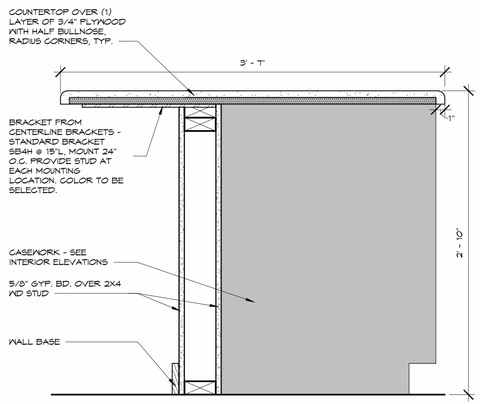


SECTION

CHAIRRAIL WITH RESILIENT CHANNEL

B1 ADA CHAIRRAIL DETAIL

1 1/2" = 1'-0"



D4 SECTION DETAIL

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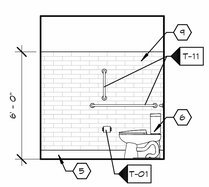
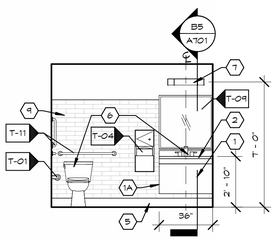


D3 TOILET - B108

1/4" = 1'-0" REF. SHEET: D3/ A261



D2 TOILET - B108

1/4" = 1'-0" REF. SHEET: D3/ A261

APPLIANCE SCHEDULE

UNITS
REFRIGERATOR - GE GTE17DTNRBB
RANGE - GE JB256DMBB*
RANGE (TYPE A) - GE JB480DTBB*
RANGE HOOD (TYPE A) - BROAN NUTONE F403023
MICROWAVE/HOOD - GE JVM9162DJBB
MICROWAVE/COUNTER - WHIRLPOOL WMC10007AB
DISHWASHER - GE GDF510PGRBB
DISHWASHER (TYPE A) - GE GDT225SGLBB
WASHER (FRONT LOAD) - N.I.C.
DRYER (FRONT LOAD) - N.I.C.
*PROVIDE THERMALINK GREASE SHIELD T3160032F, BLACK
COMMON SPACES
REFRIGERATOR - WHIRLPOOL WRS335SDHM
U.C. REFRIGERATOR - SUMMIT AL54
WALL OVEN & MICROWAVE - WHIRLPOOL WOEC7030PZ
DISHWASHER (ADA) - WHIRLPOOL WDT550SAPZ
WASHER AND DRYER - N.I.C.

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ALL TOILET ACCESSORIES PROVIDED AND INSTALLED BY G.C. UNLESS OTHERWISE NOTED. G.C. TO PROVIDE SOLID BLOCKING AS REQUIRED FOR ALL WALL HUNG ITEM. TYP. COORDINATE EXACT LOCATION IN FIELD W/ OWNER.

SPEC ID#	DESCRIPTION	COMMENTS
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T-09	MIRROR	MATCH COUNTER LENGTH
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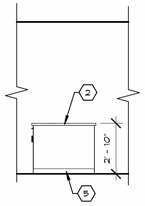
T-15	SHOWER SEAT	FOLDING 30X60
T-18	TOWEL BAR	24"
T-21	ROBE HOOK	
T-22	MEDICINE CABINET	RECESSED
T-26	MOP & BROOM HOLDER	

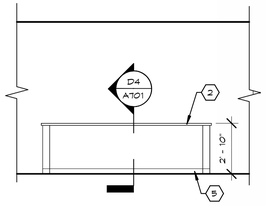
INTERIOR ELEVATION CODED NOTES: (X)

1. MANUFACTURED CASEWORK. G.C. TO PROVIDE SOLID BLOCKING FOR ALL WALL HUNG ITEMS AS REQUIRED.
   - 1A. PROVIDE FINISHED END PANEL TO MATCH CABINETS.
   - 1B. PROVIDE CABINET DOOR LOCKS.
2. COUNTERTOP AND BACKSPLASH BY G.C. SEE FINISH SCHEDULE. VERIFY FINISHES WITH OWNER PRIOR TO ORDERING ANY MATERIALS AND COMMENCING ANY WORK. G.C. TO PROVIDE STL. ANGLE SUPPORTS AS NEEDED.
   - 2A. COUNTERTOP SUPPORT BRACKET
3. RESIDENTIAL APPLIANCES AND EQUIPMENT PROVIDED BY OWNER, INSTALLED BY G.C. G.C. TO COORDINATE WITH OWNER AND PROVIDE ELECTRICAL AND PLUMBING CONNECTIONS AS NEEDED. SEE APPLIANCE SCHEDULE FOR MORE INFO.
4. MAILBOXES. SEE B4 / A701 FOR MORE INFO.
   - 4A. MODEL #3710D-10AFU
5. WALL BASE. SEE FINISH SCHEDULE
6. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
7. LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
8. REMOVABLE BASE CABINET PER ANSI A117.1. FLOOR AND WALL FINISH TO EXTEND UNDER/BEHIND CABINET.
9. WALL TILE. SEE FINISH SCHEDULE FOR MORE INFO.
10. TV PROVIDED BY OWNER. G.C. TO COORDINATE WITH MANUFACTURER AND MEP.
11. 2X WOOD TRIM, PAINTED.
12. PROVIDE CLEAR ANNEALED MIRRORS WITH SAFETY BACKING.
13. PREFINISHED VINYL CLAD STEEL ROD SHELVING.
14. BOBRICK TRASH RECEPTACLE, B3644.



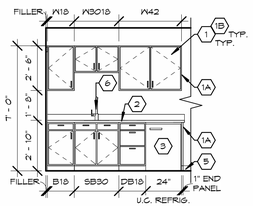
E7 COMMUNITY ROOM - B107

1/4" = 1'-0" REF. SHEET: E5 / A261



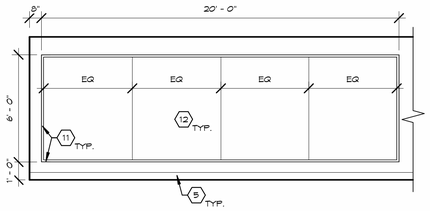
E6 COMMUNITY ROOM - B107

1/4" = 1'-0" REF. SHEET: E5 / A261



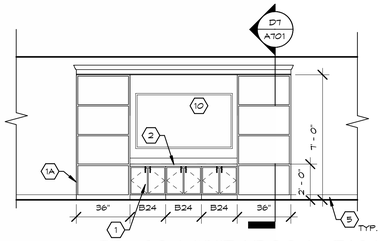
E5 B110 - EXAM

1/4" = 1'-0" REF. SHEET: D3/ A261



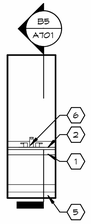
E4 FITNESS - B112

1/4" = 1'-0" REF. SHEET: F6 / A211



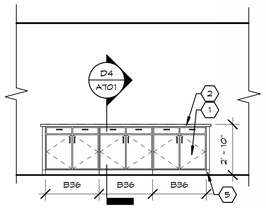
E2 COMMUNITY ROOM - B107

1/4" = 1'-0" REF. SHEET: F5 / A261



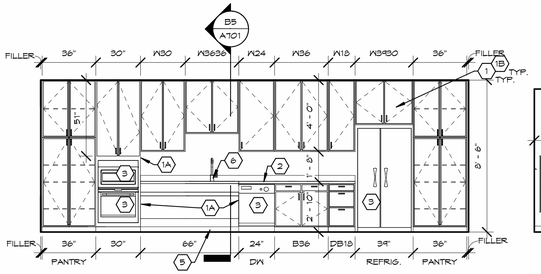
F7 SERV. COORD. B104

1/4" = 1'-0" REF. SHEET: F3 / A261



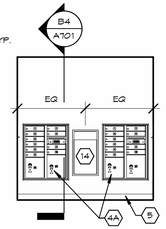
F6 COMMUNITY ROOM - B107

1/4" = 1'-0" REF. SHEET: E5 / A261



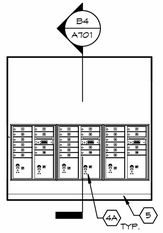
F5 COMMUNITY ROOM - B107

1/4" = 1'-0" REF. SHEET: E5 / A261



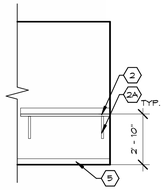
F4 MAIL - B106

1/4" = 1'-0" REF. SHEET: F3 / A261



F3 MAIL - B106

1/4" = 1'-0" REF. SHEET: F3 / A261



F2 LAUNDRY - B202

1/4" = 1'-0" REF. SHEET: B5/ A261

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NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 1/06/2026

INTERIOR ELEVATIONS AND DETAILS

A701

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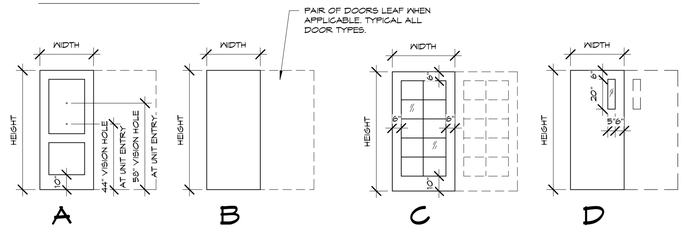
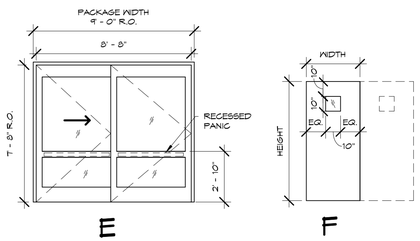
DOOR TYPES

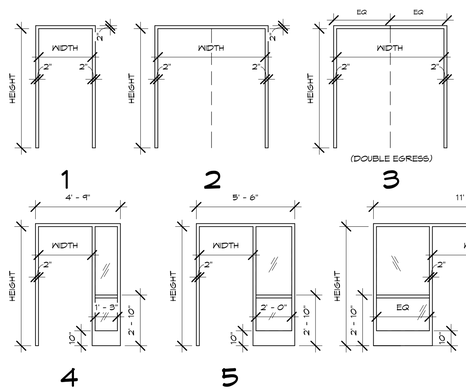




GENERAL NOTES:

1. LEVER STYLE DOOR HARDWARE REQUIRED ON ALL INTERIOR DOORS.
2. MAXIMUM THRESHOLD FOR INTERIOR DOORS TO BE 1/4" BEVELED OR FLUSH.
3. DOORS LEADING TO HABITABLE ROOMS REQUIRE A MINIMUM 34" WIDE LEAR (ALLOWING FOR 32" MINIMUM CLEARANCE). SEE DOOR SCHEDULE FOR SPECIFIC SIZES.

FRAME TYPES



GENERAL NOTES:

A. PROVIDE 1/4" LAMINATED CLEAR SAFETY GLASS OR 1/4" TEMPERED GLASS IN ALL DOOR LIGHTS AND SIDE LIGHTS WHERE THE NEAREST VERTICAL EDGE OF GLAZING IS WITHIN A 24" ARC OF EITHER THE VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM OF THE EXPOSED EDGE IS LESS THAN 60" ABOVE THE WALKING SURFACE.

B. PROVIDE 1/4" LAMINATED CLEAR SAFETY GLASS OR 1/4" TEMPERED GLASS IN ALL WINDOWS WHERE THE INDIVIDUAL PANE IS GREATER THAN 9 SQ. FT., THE BOTTOM EDGE IS LESS THAN 18" ABOVE FINISH FLOOR AND THE TOP EDGE OF GLAZING IS GREATER THAN 36" ABOVE FINISH FLOOR.

C. PROVIDE INSULATED GLAZING AT ALL EXTERIOR DOORS. SEE DOOR SPECIFICATIONS FOR MORE INFORMATION.

DOOR SCHEDULE

DOOR NO.	ROOM NAME	DOOR: OPERATION	DOOR: LEAF WIDTH	DOOR: HEIGHT	DOOR: DOOR TYPE	DOOR: DOOR MATERIAL	DOOR: DOOR GLAZING	FRAME: FRAME TYPE	FRAME: FRAME MATERIAL	FRAME: FRAME GLAZING	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING SMOKE SEALS (WHEN INDICATED WITH (S)	HARDWARE	COMMENTS
151	STAIR 1	Single	3' - 0"	6' - 8"	D	WD	FG, W-60	1	HM		E2/A801	F2/A801		60(S)	17	3,4
151A	STAIR 1	Single	3' - 0"	7' - 0"	B	HM		1	HM		D1/A802	F1/A802	B3/A802		15	
152	STAIR 2	Single	3' - 0"	6' - 8"	D	WD	FG, W-60	1	HM		E2/A801	F2/A801		60(S)	17	3,4
152A	STAIR 2	Single	3' - 0"	7' - 0"	B	HM		1	HM		D5/A802	F5/A802	B3/A802		15	
251	STAIR 1	Single	3' - 0"	6' - 8"	D	WD	FG, W-60	1	HM		E2/A801	F2/A801		60(S)	17	3,4
252	STAIR 2	Single	3' - 0"	6' - 8"	D	WD	FG, W-60	1	HM		E2/A801	F2/A801		60(S)	17	3,4
351	STAIR 1	Single	3' - 0"	6' - 8"	D	WD	FG, W-60	1	HM		E2/A801	F2/A801		60(S)	17	3,4
352	STAIR 2	Single	3' - 0"	6' - 8"	D	WD	FG, W-60	1	HM		E2/A801	F2/A801		60(S)	17	3,4
B101	VESTIBULE	Pair	10' - 0"	7' - 0"		HM	IG, TG	-	HM	IG, TG	A1/A802	B1/A802			22	AUTOMATIC SLIDER
B101A	VESTIBULE	Pair	10' - 0"	7' - 0"		HM	IG, TG	-	HM	IG, TG	D7/A802	F7/A802	B3/A802		22	AUTOMATIC SLIDER
B104	SERVICE COORD.	Single	3' - 0"	6' - 8"	C	WD	TG	5	HM	TG	E6/A801	F6/A801		20(S)	04	
B105	PROPERTY MANAGER	Single	3' - 0"	6' - 8"	C	WD	TG	5	HM	TG	E2/A801	F2/A801		20(S)	04	
B105A	CLOSET	Single	3' - 0"	6' - 8"	A	WD		1	HM		E2/A801	F2/A801			05	
B107	COMMUNITY ROOM	Pair	2' - 6"	6' - 8"	A	WD	TG	6	HM	TG	E2/A801	F2/A801		20(S)	20	
B107A	CL.	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		45(S)	12	
B107B	CL.	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		45(S)	12	
B107C	COMMUNITY ROOM	Single	3' - 0"	7' - 0"	C	HM	IG, TG	7	HM	IG, TG	D3/A802	F5/A802	B3/A802		18	
B108	TOILET	Single	3' - 0"	6' - 8"	A	WD		1	HM		E2/A801	F2/A801		20(S)	03	
B109	TOILET	Single	3' - 0"	6' - 8"	A	WD		1	HM		E2/A801	F2/A801		20(S)	03	
B110	EXAM ROOM	Single	3' - 0"	6' - 8"	A	WD		4	HM		E2/A801	F2/A801		20(S)	02	
B111	FITNESS	Single	3' - 0"	6' - 8"	A	WD		5	HM		E2/A801	F2/A801		20(S)	06	
B112	J.C.	Single	3' - 0"	6' - 8"	A	WD		1	HM		E2/A801	F2/A801		20(S)	10	
B113	STAGING	Single	3' - 0"	6' - 8"	A	WD		1	HM		E2/A801	F2/A801		20(S)	10	
B113A	STAGING	Pair	2' - 6"	7' - 0"	C	HM		2	HM		D1/A802	F1/A802	B3/A802		14	
B114	WATER	Pair	3' - 0"	6' - 8"	A	WD		2	HM		E6/A801	F6/A801			09	
B114A	WATER	Pair	3' - 0"	6' - 8"	A	WD		2	HM		E6/A801	F6/A801			09	
B115	WATER	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801			07	
B116	TRASH	Pair	2' - 6"	6' - 8"	A	WD		2	HM		E6/A801	F6/A801		45(S)	08	
B118	MECH.	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		45(S)	13	
B120A	ELEC.	Single	4' - 0"	7' - 0"	B	HM		1	HM		D5/A802	F5/A802	B3/A802		16	
B121	MDF	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		20(S)	10	
B202	J.C.	Single	3' - 0"	6' - 8"	A	WD		1	HM		E2/A801	F2/A801		20(S)	12	
B203	LAUNDRY	Single	3' - 0"	6' - 8"	A	WD		5	HM		E2/A801	F2/A801		45(S)	06	
B204	MECH.	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		45(S)	10	
B206	IDF	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		20(S)	12	
B208	TRASH	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		45(S)	01	
B209	ELEV. M.	Single	4' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		45(S)	11	
B302	MULTIPURPOSE	Single	3' - 0"	6' - 8"	A	WD		5	HM		E2/A801	F2/A801		20(S)	06	
B304	IDF	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		20(S)	12	
B306	TRASH	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		45(S)	01	
B307	MECH.	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		45(S)	10	
B308	J.C.	Pair	2' - 6"	6' - 8"	A	WD		2	HM		E2/A801	F2/A801		45(S)	14	
C101	CORRIDOR	Pair	3' - 0"	7' - 0"	F	WD	FG, W-120	3	HM		E2/A801	F2/A801		90(S)	21	
C201	CORRIDOR	Pair	3' - 0"	7' - 0"	F	WD	FG, W-120	3	HM		E2/A801	F2/A801	B5/A802	90(S)	21	
C202	MECH.	Single	3' - 0"	6' - 8"	A	WD		1	HM		E6/A801	F6/A801		45(S)	12	
C301	CORRIDOR	Pair	3' - 0"	7' - 0"	F	WD	FG, W-120	3	HM		E2/A801	F2/A801	B5/A802	90(S)	21	

RESIDENT ROOM DOOR SCHEDULE

DOOR NO.	ROOM NAME	DOOR: OPERATION	DOOR: LEAF WIDTH	DOOR: HEIGHT	DOOR: DOOR TYPE	DOOR: DOOR MATERIAL	FRAME: FRAME TYPE	FRAME: FRAME MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING	HARDWARE	COMMENTS
A	RESIDENT ENTRY	Single	3' - 0"	6' - 8"	A	SCM	1	HM	E2/A801	F2/A801		20(S)	U1	2
B	RESIDENT CLOSET	Single	3' - 0"	6' - 8"	A	HCM	1	WD	E4/A801	F4/A801			U2	
C	RESIDENT BATH	Single	3' - 0"	6' - 8"	A	SCM	1	WD	E4/A801	F4/A801			U3	
D	RESIDENT CLOSET	Single	3' - 0"	6' - 8"	A	SCM	1	WD	E4/A801	F4/A801			U2	
E	RESIDENT BEDROOM	Single	3' - 0"	6' - 8"	A	SCM	1	WD	E4/A801	F4/A801			U3	
F	RESIDENT MECH.	Single	3' - 0"	6' - 8"	A	SCM	1	WD	E4/A801	F4/A801			U4	

DOOR & FRAME

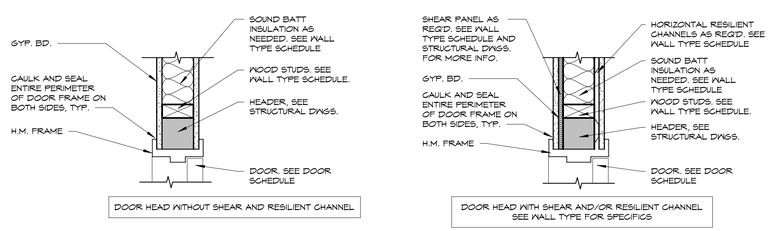
AGW	- ALUMINUM CLAD WOOD	SEE SPEC. 08 52 00
ALUM	- ALUMINUM	SEE SPEC. 08 41 13
HC	- HOLLOW CORE	SEE SPEC. 08 14 16
HM	- HOLLOW METAL	SEE SPEC. 08 11 13
SC	- SOLID CORE	SEE SPEC. 08 14 16
STL	- STEEL	SEE SPEC. 08 36 13
WD	- WOOD	SEE SPEC. 08 14 16

GLAZING

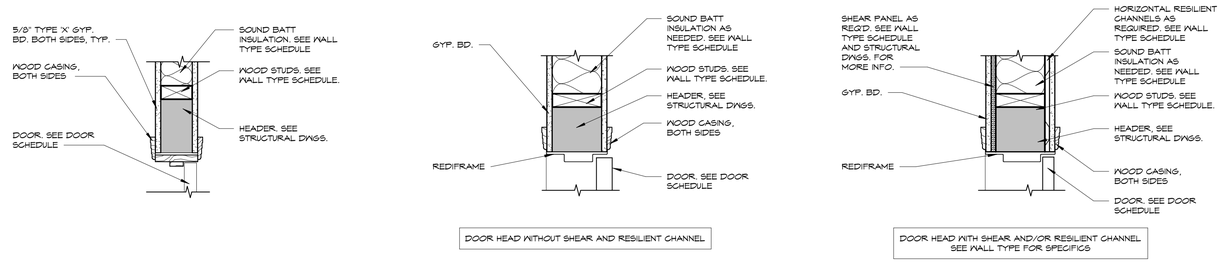
FG	- FIRE GLAZING	SEE SPEC. 08 80 00
IG	- INSULATED GLAZING	SEE SPEC. 08 80 00
TG	- TEMPERED GLAZING	SEE SPEC. 08 80 00

DOOR SCHEDULE COMMENTS: (HARDWARE)

1. ALL DOORS EQUIPPED WITH LEVER STYLE HANDLES.
2. UNIT ENTRY DOORS EQUIPPED WITH DELAYED ACTION CLOSER AND KICK PLATES. TYP.
3. COMMON AREA DOORS IDENTIFIED SHALL BE EQUIPPED WITH DELAYED ACTION CLOSERS.
4. COMMON AREA DOORS IDENTIFIED SHALL BE EQUIPPED WITH KICK PLATES.

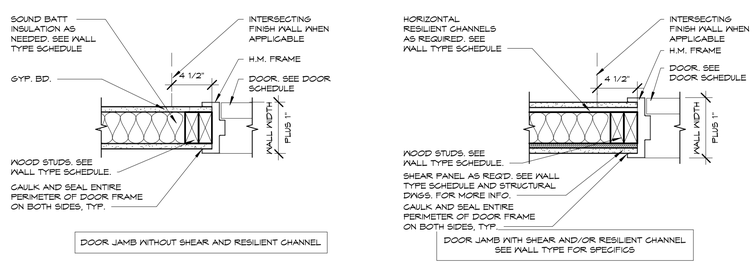


E6 HEAD DETAIL
1 1/2" = 1'-0"

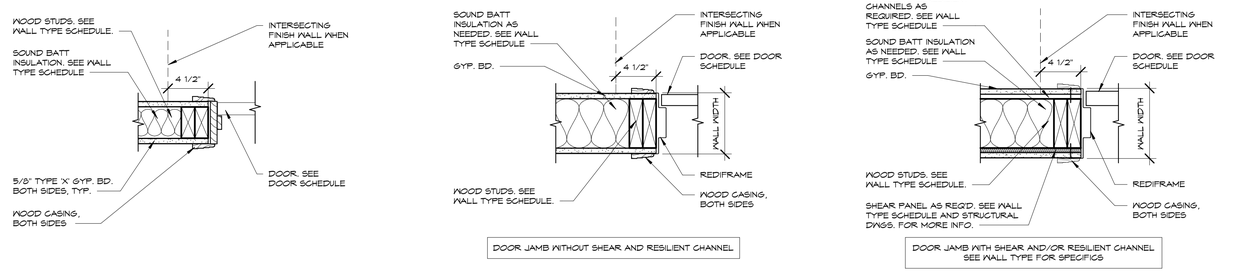


E4 HEAD DETAIL
1 1/2" = 1'-0"

E2 HEAD DETAIL
1 1/2" = 1'-0"



F6 JAMB DETAIL
1 1/2" = 1'-0"



F4 JAMB DETAIL
1 1/2" = 1'-0"

F2 JAMB DETAIL
1 1/2" = 1'-0"

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DOOR SCHEDULE, DETAILS

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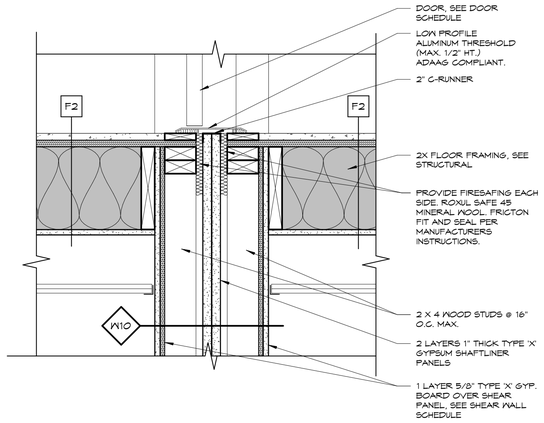
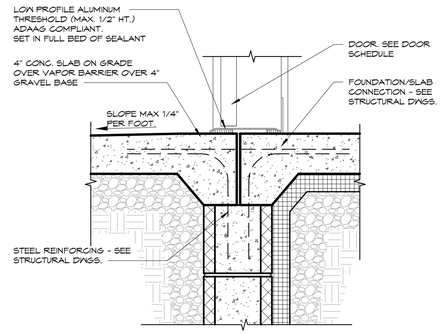


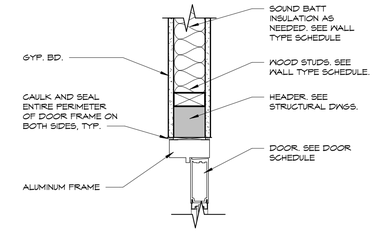
B5 FIREWALL DETAIL

1 1/2" = 1'-0"



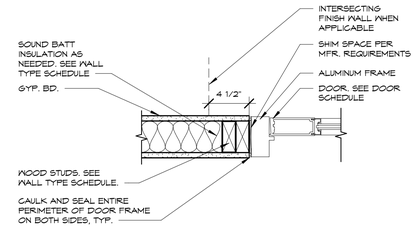
B3 SILL DETAIL

1 1/2" = 1'-0"



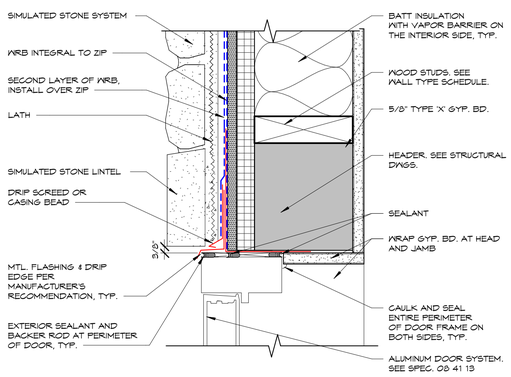
A1 HEAD DETAIL

1 1/2" = 1'-0"



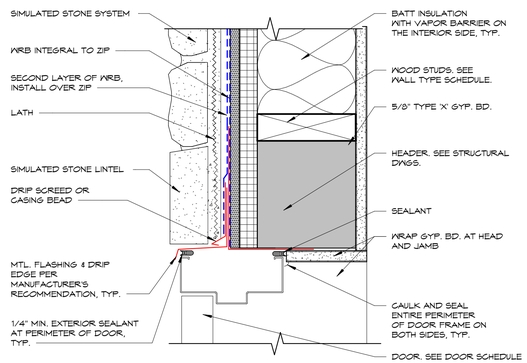
B1 JAMB DETAIL

1 1/2" = 1'-0"



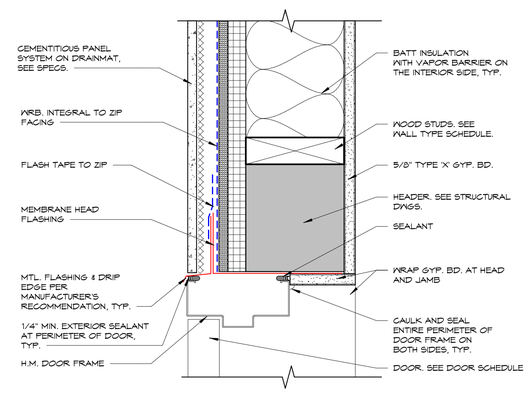
D7 HEAD DETAIL

3" = 1'-0" REF. SHEET: A1 / A601



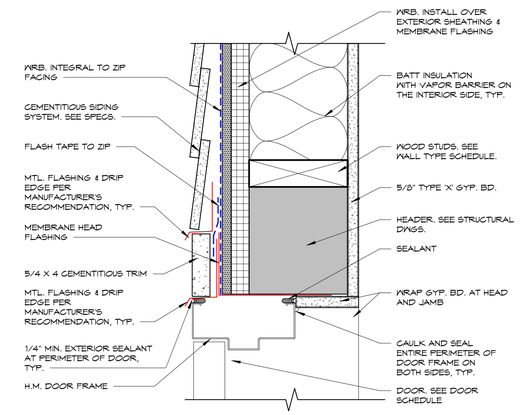
D5 HEAD DETAIL

3" = 1'-0"



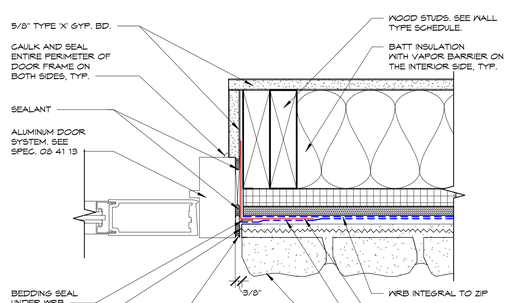
D3 HEAD DETAIL

3" = 1'-0"



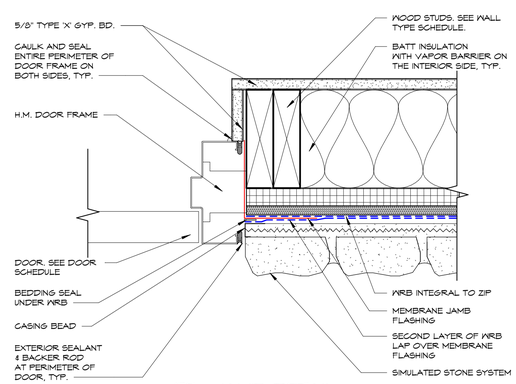
D1 HEAD DETAIL

3" = 1'-0" REF. SHEET: B2/ A601



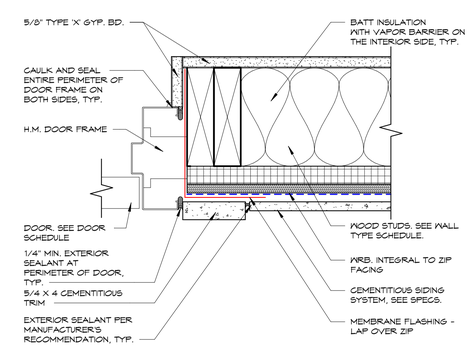
F7 JAMB DETAIL

3" = 1'-0" REF. SHEET: A1 / A601



F5 JAMB DETAIL

3" = 1'-0"



F1 JAMB DETAIL

3" = 1'-0" REF. SHEET: /

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DOOR DETAILS

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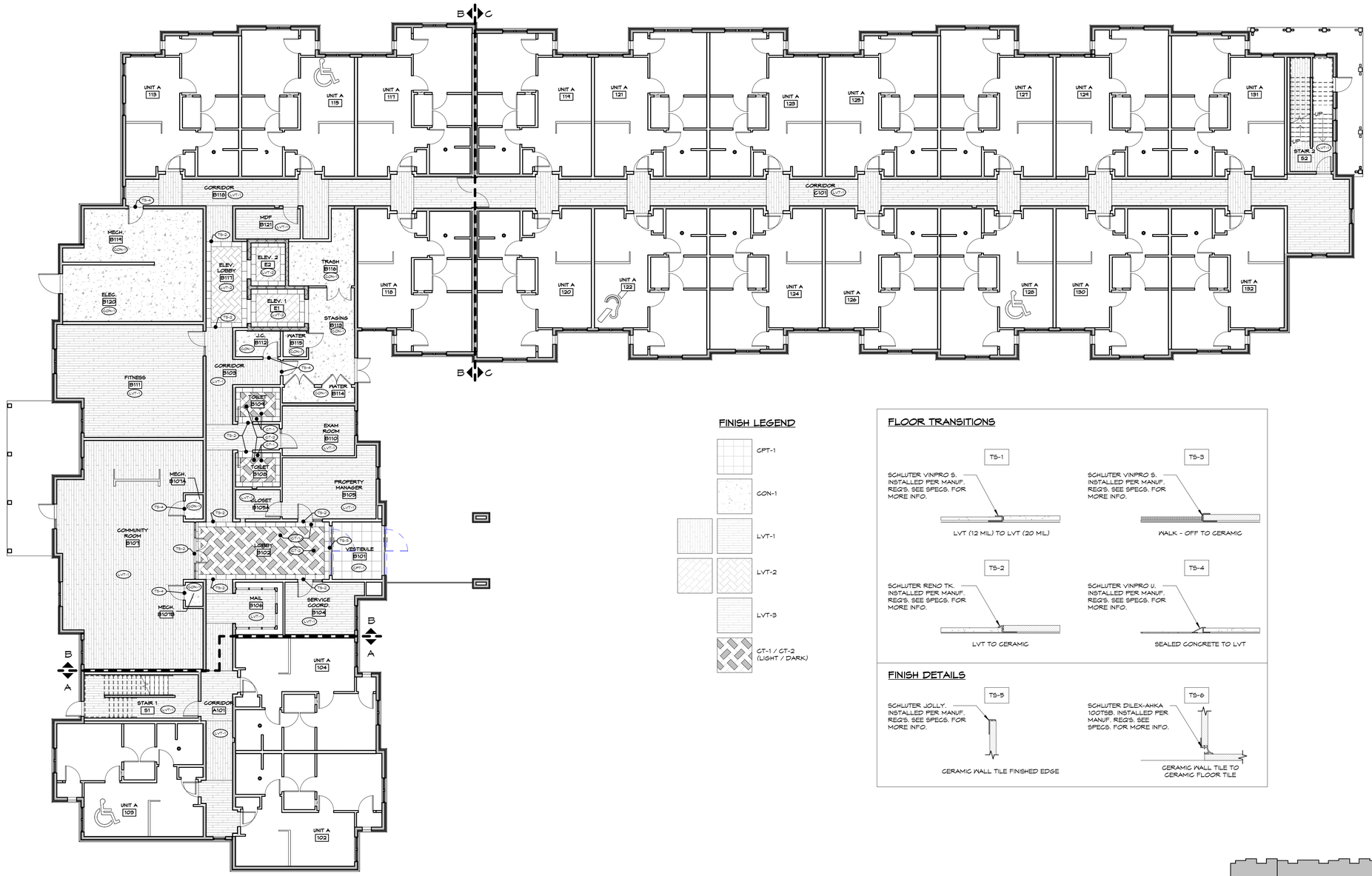


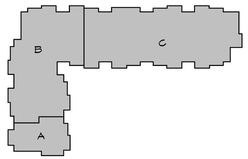
FINISH LEGEND

FLOOR TRANSITIONS

FINISH DETAILS

F3 OVERALL FIRST FLOOR - FINISH FLOOR PLAN

3/32" = 1'-0"



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OVERALL FIRST FLOOR FINISH FLOOR PLAN

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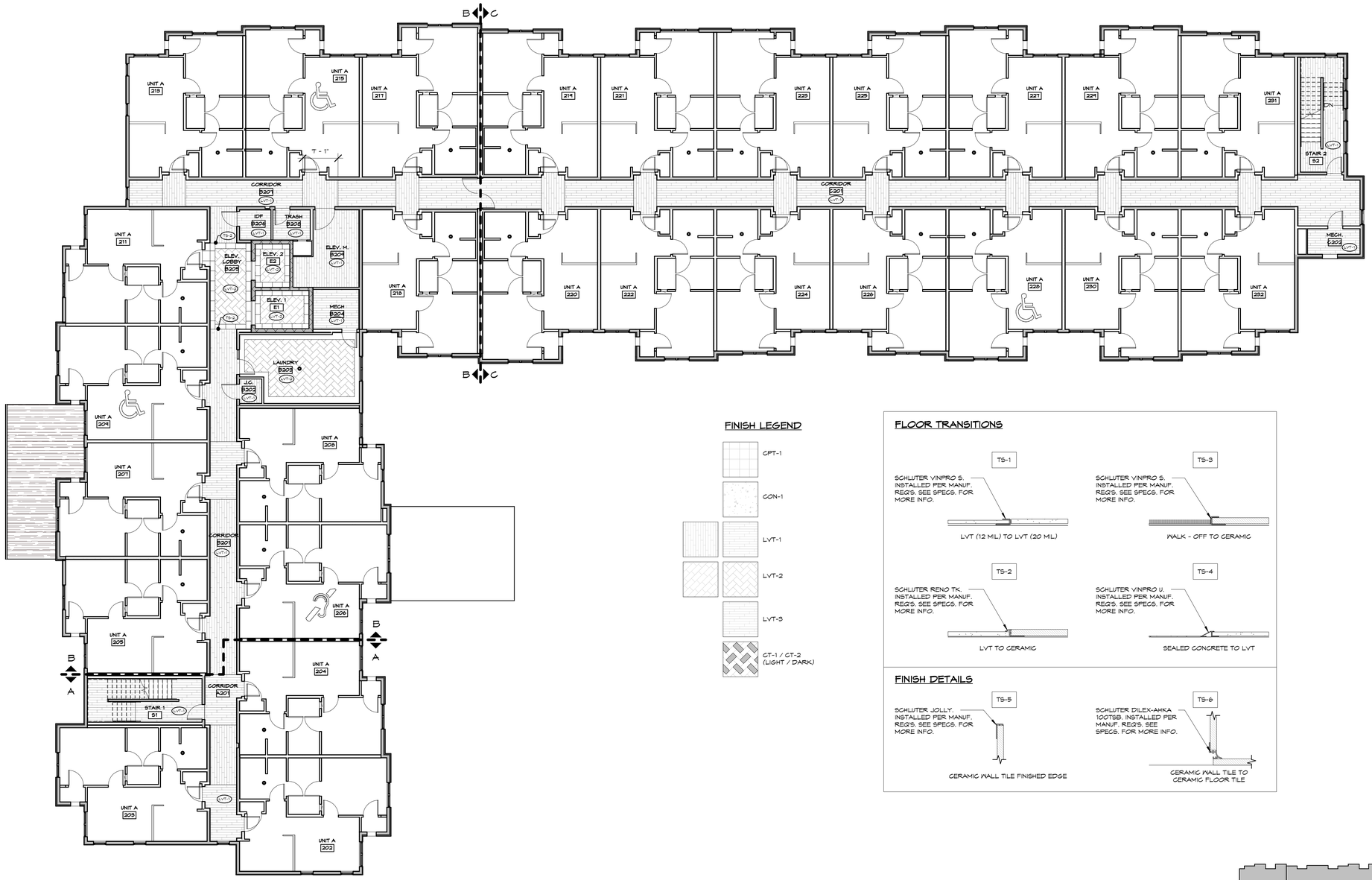


FINISH LEGEND

- CPT-1
- CON-1
- LVT-1
- LVT-2
- LVT-3
- CT-1 / CT-2 (LIGHT / DARK)

FLOOR TRANSITIONS

TS-1

SCHLUTER VINPRO S. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

LVT (12 MIL) TO LVT (20 MIL)

TS-3

SCHLUTER VINPRO S. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

WALK - OFF TO CERAMIC

TS-2

SCHLUTER RENO TK. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

LVT TO CERAMIC

TS-4

SCHLUTER VINPRO U. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

SEALED CONCRETE TO LVT

FINISH DETAILS

TS-5

SCHLUTER JOLLY. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

CERAMIC WALL TILE FINISHED EDGE

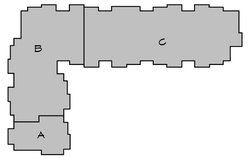
TS-6

SCHLUTER DILEX-AHKA 100TSB. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

CERAMIC WALL TILE TO CERAMIC FLOOR TILE

F3 OVERALL SECOND FLOOR - FINISH FLOOR PLAN

3/32" = 1'-0"



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OVERALL SECOND FLOOR FINISH FLOOR PLAN

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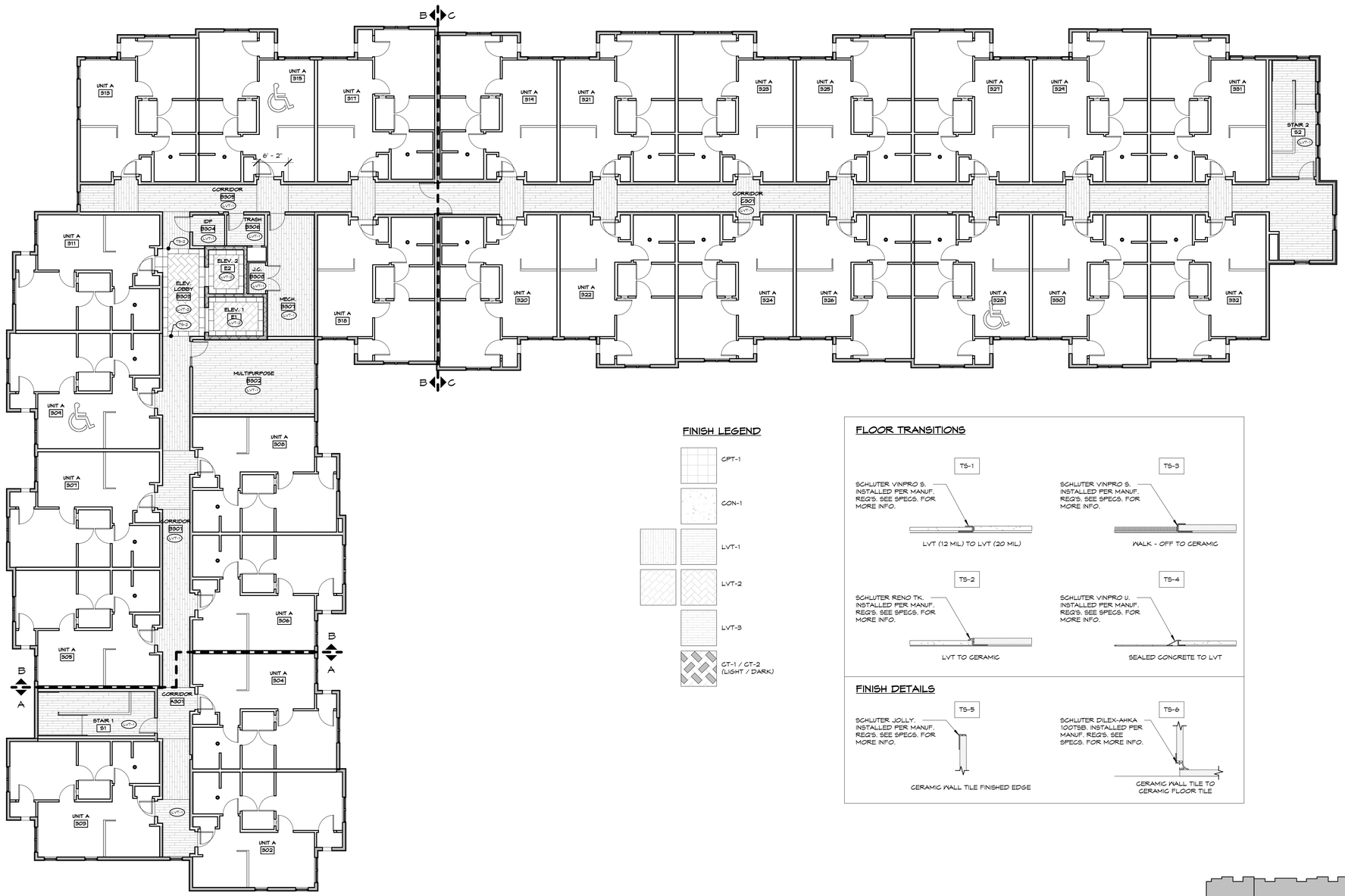


FINISH LEGEND

- CPT-1
- CON-1
- LVT-1
- LVT-2
- LVT-3
- CT-1 / CT-2 (LIGHT / DARK)

FLOOR TRANSITIONS

TS-1

SCHLUTER VINPRO S. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

LVT (12 MIL) TO LVT (20 MIL)

TS-3

SCHLUTER VINPRO S. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

WALK - OFF TO CERAMIC

TS-2

SCHLUTER RENO TK. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

LVT TO CERAMIC

TS-4

SCHLUTER VINPRO U. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

SEALED CONCRETE TO LVT

FINISH DETAILS

TS-5

SCHLUTER JOLLY. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

CERAMIC WALL TILE FINISHED EDGE

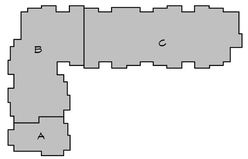
TS-6

SCHLUTER DILEX-AHKA 100TSB. INSTALLED PER MANUF. REQ'S. SEE SPECS. FOR MORE INFO.

CERAMIC WALL TILE TO CERAMIC FLOOR TILE

F3 OVERALL THIRD FLOOR - FINISH FLOOR PLAN

3/32" = 1'-0"



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OVERALL THIRD FLOOR FINISH FLOOR PLAN

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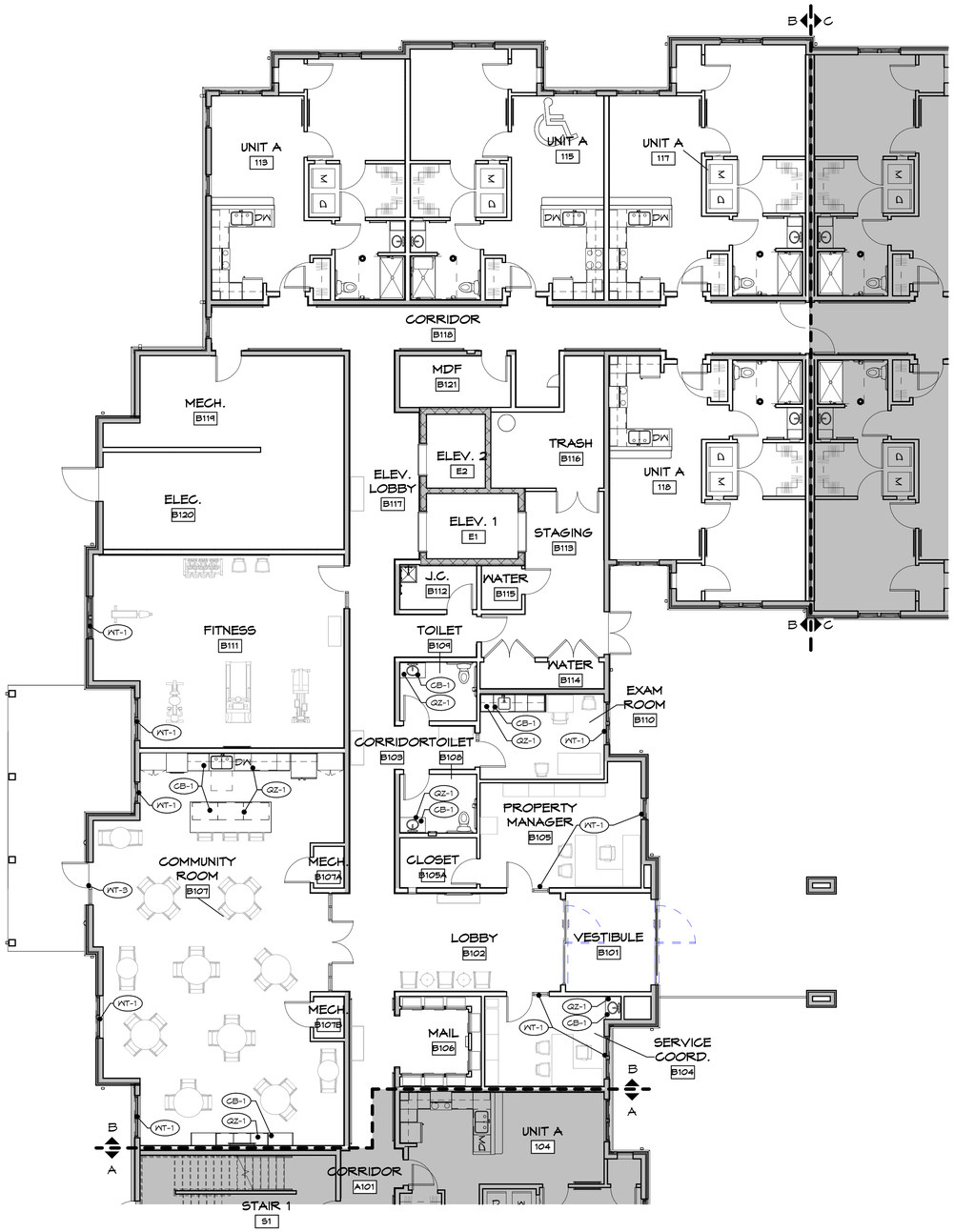
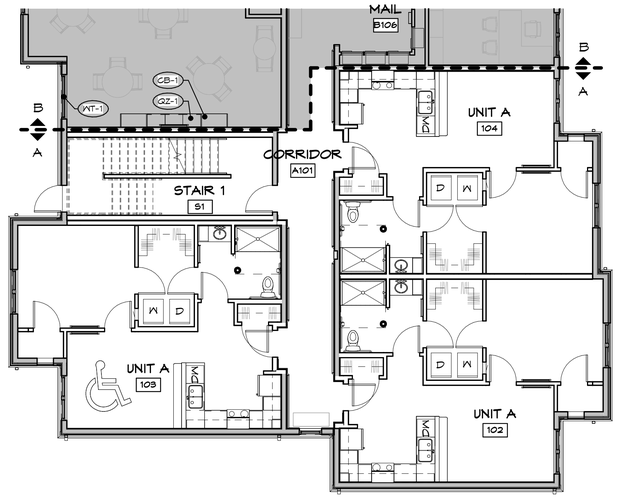


F6 FIRST FLOOR FINISH AND FURNITURE PLAN - AREA B

1/8" = 1'-0"

GENERAL ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH
A101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B101	VESTIBULE	CPT-1	WB-1, PT-1	PT-2	PT-1
B102	LOBBY	CT-1, CT-2	WB-1, PT-1	PT-3	PT-1
B103	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B104	SERVICE COORD.	LVT-1	WB-1, PT-1	PT-2	
B105	PROPERTY MANAGER	LVT-1	WB-1, PT-1	PT-2	
B105A	CLOSET	LVT-1	WB-1, PT-1	PT-2	P
B106	MAIL	LVT-1	WB-1, PT-1	PT-3	PT-1
B107A	MECH.	CON-1	WB-3	PT-3	PT-1
B107B	MECH.	CON-1	WB-3	PT-2	PT-1
B108	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B109	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B110	EXAM ROOM	LVT-1	WB-1, PT-1	PT-2	
B111	FITNESS	LVT-1	WB-1, PT-1	PT-2	PT-1
B112	J.C.	CON-1	WB-3	PT-2	PT-1
B113	STAGING	CON-1	WB-3	PT-2	PT-1
B114	WATER	CON-1	WB-3	PT-2	PT-1
B115	WATER	CON-1	WB-3	PT-2	PT-1
B116	TRASH	CON-1	WB-3	PT-2	PT-1
B117	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B118	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B119	MECH.	CON-1	WB-3	PT-2	PT-1
B120	ELEC.	CON-1	WB-3	PT-2	PT-1
B121	MDF	LVT-1	WB-3	PT-2	PT-1
C101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
E1	ELEV. 1	LVT-2		WP-1	
E2	ELEV. 2	LVT-2		WP-1	
S1	STAIR 1	LVT-1	WB-3	PT-2	PT-1
S2	STAIR 2	LVT-1	WB-3	PT-2	PT-1
A201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B202	J.C.	LVT-1	WB-3	PT-2	PT-1
B203	LAUNDRY	LVT-2	WB-5	PT-2	PT-1
B204	MECH	LVT-1	WB-3	PT-2	PT-1
B205	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B206	IDF	LVT-1	WB-3	PT-2	PT-1
B207	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B208	TRASH	LVT-1	WB-3	PT-2	PT-1
B208A	TRASH CHUTE				
B209	ELEV. M.	LVT-1	WB-1, PT-1	PT-2	PT-1
C201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
C202	MECH.	LVT-1	WB-3	PT-2	PT-1
C202A	SHAFT				
A301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B302	MULTIPURPOSE	LVT-1	WB-1, PT-1	PT-2	
B303	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B304	IDF	LVT-1	WB-3	PT-2	PT-1
B305	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B306	TRASH	LVT-1	WB-3	PT-2	PT-1
B307	MECH.	LVT-1	WB-3	PT-2	PT-1
B308	J.C.	LVT-1	WB-3	PT-2	PT-1
C301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1



F3 FIRST FLOOR FINISH AND FURNITURE PLAN - AREA A

1/8" = 1'-0"

FINISH LEGEND

ALL FINISHES SHALL MEET ALL CLASS A FIRE RATINGS AND COMPLY WITH CHAPTER 8 OF INTERNATIONAL BUILDING CODE.

FLOOR COVERINGS

CARPET

CPT-1 MFG: PATCRAFT
PATTERN: PASSAGE 801Y1
COLOR: STEP 595
INSTALL: QUARTER TURN

CONCRETE

CON-1 SEALED CONCRETE

LUXURY VINYL TILE

LVT-1 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 20 MIL 1436V
COLOR: FROE/00715
INSTALL: STAGGER

LVT-2 MFG: PATCRAFT
SIZE: 12" X 24"
STYLE: STRATIFIED 20 MIL 1322V
COLOR: FROST/00500
INSTALL: BOXED HERRINGBONE
NOTE: INSTALL AT ELEV. CABS TO BE BOXED DIAGONAL

LVT-3 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 12 MIL. VX254
COLOR: FROE/00715
INSTALL: STAGGER

CERAMIC TILE

CT-1 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04/MH07
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

CT-2 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: CHIMNEY CORNER RECTANGLE MH06/MH09
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL BASE

WB-1 SIZE: 6" WOOD, CHAMFERED EDGE

WB-2 MFG: DALTILE
SIZE: 5" X 12"
PROFILE: BULLNOSE
COLOR: MATCH CERAMIC TILE

WB-3 MFG: PATCRAFT
STYLE/COLOR: 4" S127V-00750
NOTES: ACCEPTABLE ALTERNATES INCLUDE ROPPE PEWTER P119 AND JOHNSONITE 32-PEBBLE

WB-4 4" WOOD, CHAMFERED EDGE WITH SHOE MOLD (EXCEPT AT KITCHEN CABINETS, BATHROOM, MECH.)

WB-5 MFG: PATCRAFT
STYLE/COLOR: 6" S127V-00750

WALL FINISHES

PAINT

PT-1 MFG: SHERWIN WILLIAMS
COLOR: SW 7757 HIGH REFLECTIVE WHITE
FINISH: FLAT AT CEILINGS, SEMI-GLOSS AT TRIM

PT-2 MFG: SHERWIN WILLIAMS
COLOR: SW 9165 GOSSAMER VEIL
FINISH: FLAT OR MATTE

PT-3 MFG: SHERWIN WILLIAMS
COLOR: SW 7621 SILVERMIST
FINISH: MATTE

PT-4 MFG: SHERWIN WILLIAMS
COLOR: SW 7017 DORIAN GRAY
FINISH: MATTE

WALL TILE

WT-1 MFG: DALTILE
SIZE: 3" X 12"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04
INSTALL: RUNNING BOND W/ BULLNOSE CAP FINISH
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL PANEL

WP-1 MFG: WILSONART LAMINATE
STYLE/COLOR: HIGHLINE 7910-18
INSTALL: VERTICAL PANELS

CASEWORK FINISHES

WOOD CABINETS

CB-1 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: WHITE
OVERLAY: FULL
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

CB-2 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: SLATE
OVERLAY: STANDARD
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

QUARTZ

QZ-1 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 3CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 6" BACKSPLASH TO MATCH

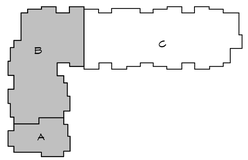
QZ-2 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 2CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 4" BACKSPLASH TO MATCH

WINDOW/DOOR TREATMENT

WT-1 MFG: SNF CONTRACT
PRODUCT: MANUAL SOLAR ROLLER SHADE
TYPE: TRUE PERFORMANCE
MODEL: SL15
FABRIC/COLOR: CROSSHATCH WHITE/FOG/C8914
CLOTH: 5500/5% OPEN
FASCIA: 3" BRACKET
MOUNT: INSIDE/JAMB/WALL/OVERHEAD

WT-2 MFG: FERGUSON
PRODUCT: WINDOW BLINDS
MODEL: LOTUS LMLX
COLOR: WHITE
LOUVERS: 1" VINYL
NOTE: USE MULTIPLE BLINDS FOR MULLED WINDOWS

WT-3 MFG: FERGUSON
PRODUCT: PATIO DOOR BLINDS
MODEL: LOTUS LVS60245GW
COLOR: WHITE



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FIRST FLOOR FINISH AND FURNITURE PLAN - AREAS A & B

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GENERAL ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH
A101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B101	VESTIBULE	CPT-1	WB-1, PT-1	PT-2	PT-1
B102	LOBBY	CT-1, CT-2	WB-1, PT-1	PT-3	PT-1
B103	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B104	SERVICE COORD.	LVT-1	WB-1, PT-1	PT-2	
B105	PROPERTY MANAGER	LVT-1	WB-1, PT-1	PT-2	
B105A	CLOSET	LVT-1	WB-1, PT-1	PT-2	P
B106	MAIL	LVT-1	WB-1, PT-1	PT-3	PT-1
B107A	MECH.	CON-1	WB-3	PT-3	PT-1
B107B	MECH.	CON-1	WB-3	PT-2	PT-1
B108	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B109	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B110	EXAM ROOM	LVT-1	WB-1, PT-1	PT-2	
B111	FITNESS	LVT-1	WB-1, PT-1	PT-2	PT-1
B112	J.C.	CON-1	WB-3	PT-2	PT-1
B113	STAGING	CON-1	WB-3	PT-2	PT-1
B114	WATER	CON-1	WB-3	PT-2	PT-1
B115	WATER	CON-1	WB-3	PT-2	PT-1
B116	TRASH	CON-1	WB-3	PT-2	PT-1
B117	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B118	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B119	MECH.	CON-1	WB-3	PT-2	PT-1
B120	ELEC.	CON-1	WB-3	PT-2	PT-1
B121	MDF	LVT-1	WB-3	PT-2	PT-1
C101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
E1	ELEV. 1	LVT-2		WP-1	
E2	ELEV. 2	LVT-2		WP-1	
S1	STAIR 1	LVT-1	WB-3	PT-2	PT-1
S2	STAIR 2	LVT-1	WB-3	PT-2	PT-1
A201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B202	J.C.	LVT-1	WB-3	PT-2	PT-1
B203	LAUNDRY	LVT-2	WB-5	PT-2	PT-1
B204	MECH	LVT-1	WB-3	PT-2	PT-1
B205	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B206	IDF	LVT-1	WB-3	PT-2	PT-1
B207	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B208	TRASH	LVT-1	WB-3	PT-2	PT-1
B208A	TRASH CHUTE				
B209	ELEV. M.	LVT-1	WB-1, PT-1	PT-2	PT-1
C201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
C202	MECH.	LVT-1	WB-3	PT-2	PT-1
C202A	SHAFT				
A301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B302	MULTIPURPOSE	LVT-1	WB-1, PT-1	PT-2	PT-1
B303	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B304	IDF	LVT-1	WB-3	PT-2	PT-1
B305	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B306	TRASH	LVT-1	WB-3	PT-2	PT-1
B307	MECH.	LVT-1	WB-3	PT-2	PT-1
B308	J.C.	LVT-1	WB-3	PT-2	PT-1
C301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1

FINISH LEGEND

ALL FINISHES SHALL MEET ALL CLASS A FIRE RATINGS AND COMPLY WITH CHAPTER 8 OF INTERNATIONAL BUILDING CODE.

FLOOR COVERINGS

CARPET

CPT-1 MFG: PATCRAFT
PATTERN: PASSAGE 801Y1
COLOR: STEP 595
INSTALL: QUARTER TURN

CONCRETE

CON-1 SEALED CONCRETE

LUXURY VINYL TILE

LVT-1 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 20 MIL 1436V
COLOR: FROE/00715
INSTALL: STAGGER

LVT-2 MFG: PATCRAFT
SIZE: 12" X 24"
STYLE: STRATIFIED 20 MIL 1322V
COLOR: FROST/00500
INSTALL: BOXED HERRINGBONE
NOTE: INSTALL AT ELEV. CABS TO BE BOXED DIAGONAL

LVT-3 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 12 MIL. VX254
COLOR: FROE/00715
INSTALL: STAGGER

CERAMIC TILE

CT-1 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04/MH07
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

CT-2 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: CHIMNEY CORNER RECTANGLE MH06/MH09
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL BASE

WB-1 SIZE: 6" WOOD, CHAMFERED EDGE

WB-2 MFG: DALTILE
SIZE: 3" X 12"
PROFILE: BULLNOSE
COLOR: MATCH CERAMIC TILE

WB-3 MFG: PATCRAFT
STYLE/COLOR: 4" 5127V-00750
NOTES: ACCEPTABLE ALTERNATES INCLUDE ROPPE PEWTER P119 AND JOHNSONITE 32-PEBBLE

WB-4 4" WOOD, CHAMFERED EDGE WITH SHOE MOLD (EXCEPT AT KITCHEN CABINETS, BATHROOM, MECH.)

WB-5 MFG: PATCRAFT
STYLE/COLOR: 6" 5127V-00750

WALL FINISHES

PAINT

PT-1 MFG: SHERWIN WILLIAMS
COLOR: SW 7757 HIGH REFLECTIVE WHITE
FINISH: FLAT AT CEILINGS, SEMI-GLOSS AT TRIM

PT-2 MFG: SHERWIN WILLIAMS
COLOR: SW 9165 GOSSAMER VEIL
FINISH: FLAT OR MATTE

PT-3 MFG: SHERWIN WILLIAMS
COLOR: SW 7621 SILVERMIST
FINISH: MATTE

PT-4 MFG: SHERWIN WILLIAMS
COLOR: SW 7017 DORIAN GRAY
FINISH: MATTE

WALL TILE

WT-1 MFG: DALTILE
SIZE: 3" X 12"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04
INSTALL: RUNNING BOND W/ BULLNOSE CAP FINISH
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL PANEL

WP-1 MFG: WILSONART LAMINATE
STYLE/COLOR: HIGHLINE 7910-18
INSTALL: VERTICAL PANELS

CASEWORK FINISHES

WOOD CABINETS

CB-1 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: WHITE
OVERLAY: FULL
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

CB-2 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: SLATE
OVERLAY: STANDARD
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

QUARTZ

QZ-1 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 3CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 6" BACKSPLASH TO MATCH

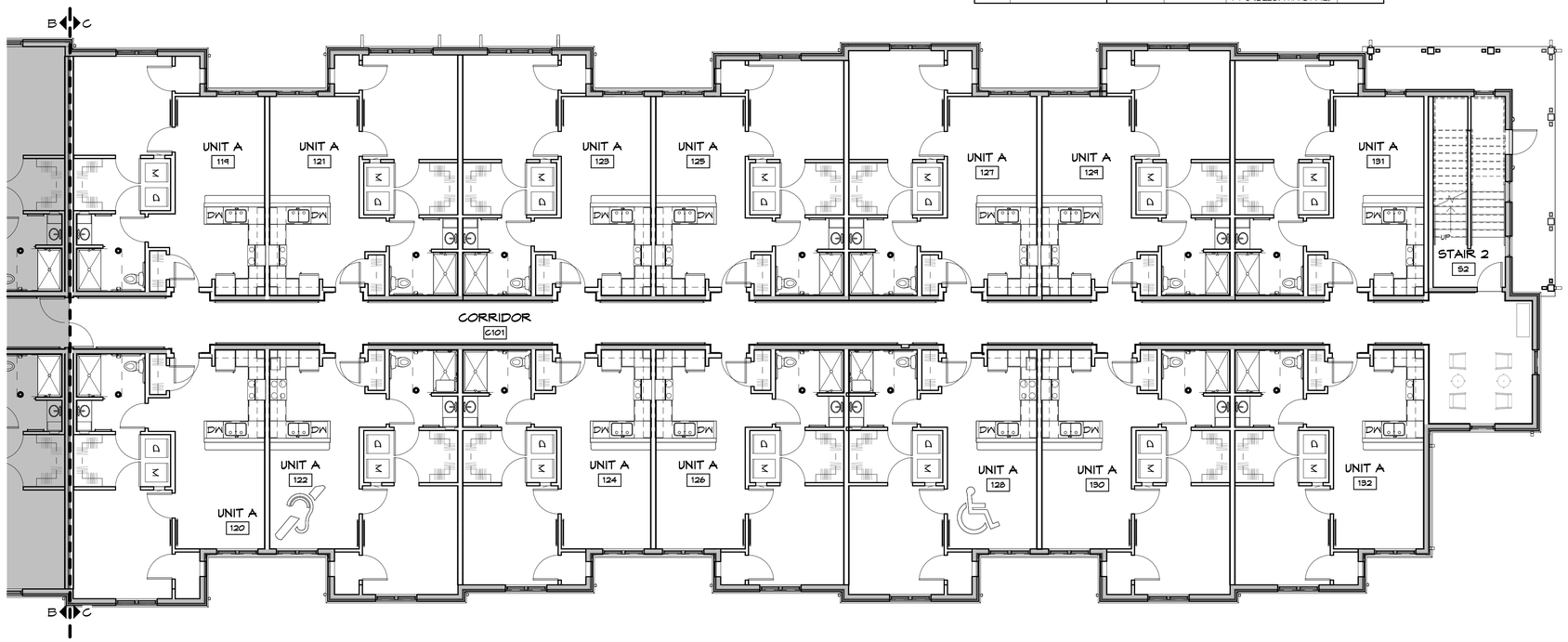
QZ-2 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 2CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 4" BACKSPLASH TO MATCH

WINDOW/DOOR TREATMENT

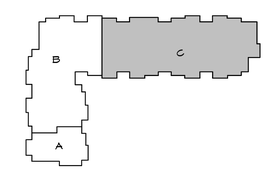
WT-1 MFG: SNF CONTRACT
PRODUCT: MANUAL SOLAR ROLLER SHADE
TYPE: TRUE PERFORMANCE
MODEL: SL15
FABRIC/COLOR: CROSSHATCH WHITE/FOG/C8914
CLOTH: 1500/5% OPEN
FASCIA: 3" BRACKET
MOUNT: INSIDE/JAMB/WALL/OVERHEAD

WT-2 MFG: FERGUSON
PRODUCT: WINDOW BLINDS
MODEL: LOTUS LMLX
COLOR: WHITE
LOUVERS: 1" VINYL
NOTE: USE MULTIPLE BLINDS FOR MULLED WINDOWS

WT-3 MFG: FERGUSON
PRODUCT: PATIO DOOR BLINDS
MODEL: LOTUS LVS60845GWH
COLOR: WHITE



F3 FIRST FLOOR FINISH AND FURNITURE PLAN - AREA C
1/8" = 1'-0"



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NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 1/06/2026

FIRST FLOOR FINISH AND FURNITURE PLAN - AREA C

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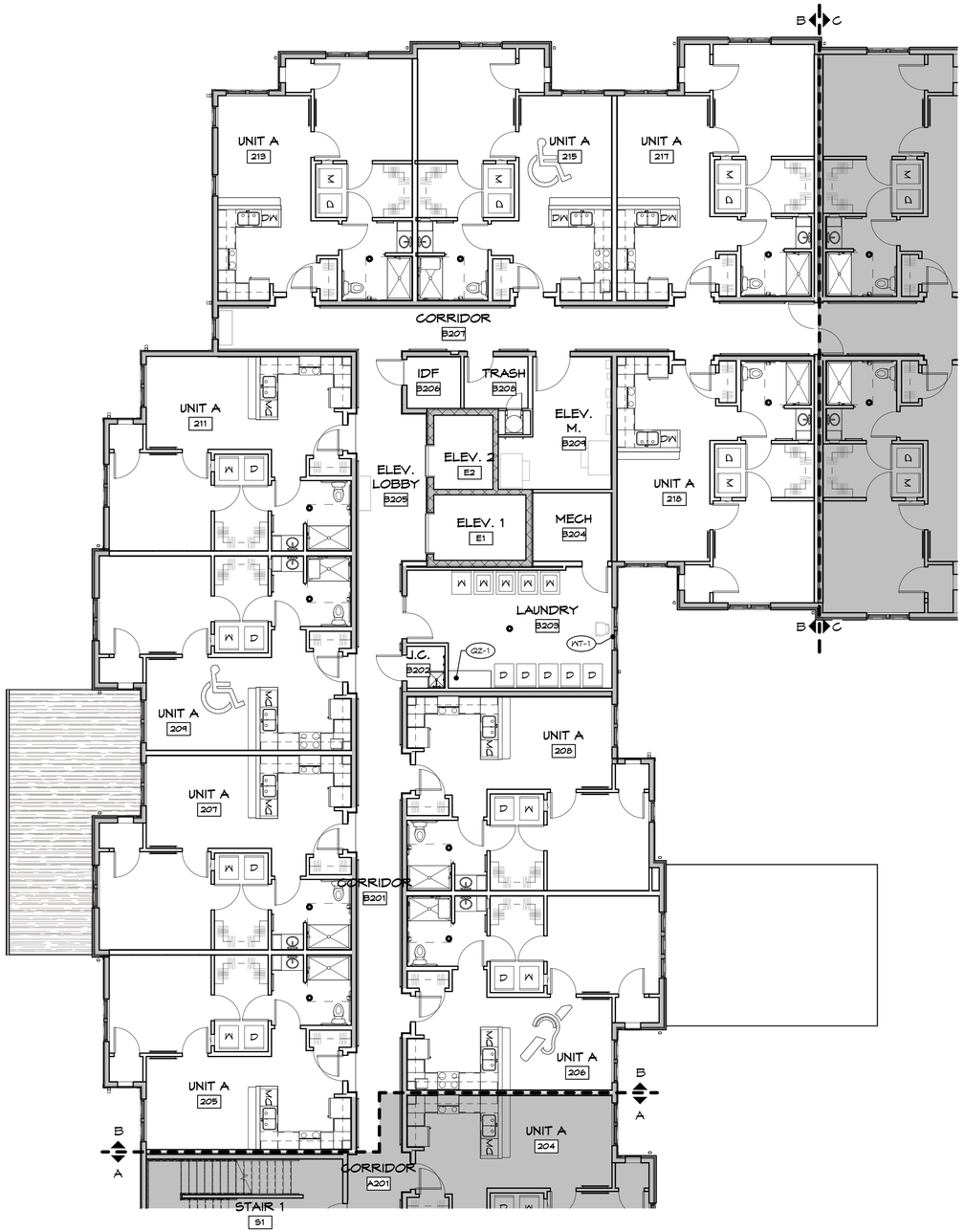
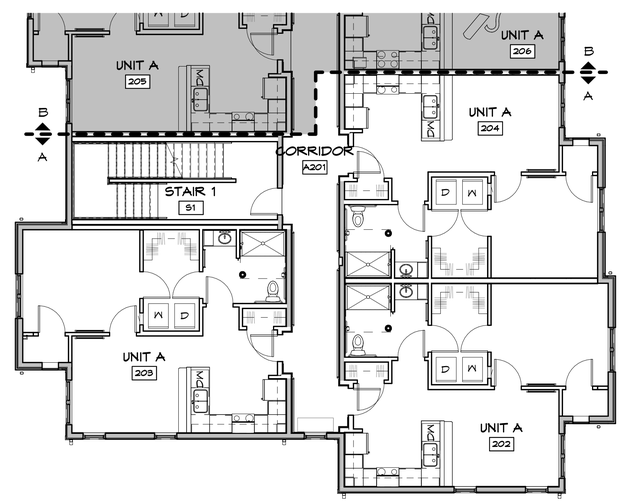


F6 SECOND FLOOR FINISH AND FURNITURE PLAN - AREA B

1/8" = 1'-0"



F3 SECOND FLOOR FINISH AND FURNITURE PLAN - AREA A

1/8" = 1'-0"

GENERAL ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH
A101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B101	VESTIBULE	CPT-1	WB-1, PT-1	PT-2	PT-1
B102	LOBBY	CT-1, CT-2	WB-1, PT-1	PT-3	PT-1
B103	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B104	SERVICE COORD.	LVT-1	WB-1, PT-1	PT-2	
B105	PROPERTY MANAGER	LVT-1	WB-1, PT-1	PT-2	
B105A	CLOSET	LVT-1	WB-1, PT-1	PT-2	P
B106	MAIL	LVT-1	WB-1, PT-1	PT-3	PT-1
B107A	MECH.	CON-1	WB-3	PT-3	PT-1
B107B	MECH.	CON-1	WB-3	PT-2	PT-1
B108	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B109	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B110	EXAM ROOM	LVT-1	WB-1, PT-1	PT-2	
B111	FITNESS	LVT-1	WB-1, PT-1	PT-2	PT-1
B112	J.C.	CON-1	WB-3	PT-2	PT-1
B113	STAGING	CON-1	WB-3	PT-2	PT-1
B114	WATER	CON-1	WB-3	PT-2	PT-1
B115	WATER	CON-1	WB-3	PT-2	PT-1
B116	TRASH	CON-1	WB-3	PT-2	PT-1
B117	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B118	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B119	MECH.	CON-1	WB-3	PT-2	PT-1
B120	ELEC.	CON-1	WB-3	PT-2	PT-1
B121	MDF	LVT-1	WB-3	PT-2	PT-1
C101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
E1	ELEV. 1	LVT-2		WP-1	
E2	ELEV. 2	LVT-2		WP-1	
S1	STAIR 1	LVT-1	WB-3	PT-2	PT-1
S2	STAIR 2	LVT-1	WB-3	PT-2	PT-1
A201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B202	J.C.	LVT-1	WB-3	PT-2	PT-1
B203	LAUNDRY	LVT-2	WB-5	PT-2	PT-1
B204	MECH	LVT-1	WB-3	PT-2	PT-1
B205	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B206	IDF	LVT-1	WB-3	PT-2	PT-1
B207	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B208	TRASH	LVT-1	WB-3	PT-2	PT-1
B208A	TRASH CHUTE				
B209	ELEV. M.	LVT-1	WB-1, PT-1	PT-2	PT-1
C201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
C202	MECH.	LVT-1	WB-3	PT-2	PT-1
C202A	SHAFT				
A301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B302	MULTIPURPOSE	LVT-1	WB-1, PT-1	PT-2	PT-1
B303	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B304	IDF	LVT-1	WB-3	PT-2	PT-1
B305	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B306	TRASH	LVT-1	WB-3	PT-2	PT-1
B307	MECH.	LVT-1	WB-3	PT-2	PT-1
B308	J.C.	LVT-1	WB-3	PT-2	PT-1
C301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1

FINISH LEGEND

ALL FINISHES SHALL MEET ALL CLASS A FIRE RATINGS AND COMPLY WITH CHAPTER 8 OF INTERNATIONAL BUILDING CODE.

FLOOR COVERINGS

CARPET

CPT-1 MFG: PATCRAFT
PATTERN: PASSAGE 801Y1
COLOR: STEP 595
INSTALL: QUARTER TURN

CONCRETE

CON-1 SEALED CONCRETE

LUXURY VINYL TILE

LVT-1 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 20 MIL 1436V
COLOR: FROE/00715
INSTALL: STAGGER

LVT-2 MFG: PATCRAFT
SIZE: 12" X 24"
STYLE: STRATIFIED 20 MIL 1322V
COLOR: FROST/00500
INSTALL: BOXED HERRINGBONE
NOTE: INSTALL AT ELEV. CABS TO BE BOXED DIAGONAL

LVT-3 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 12 MIL. VX254
COLOR: FROE/00715
INSTALL: STAGGER

CERAMIC TILE

CT-1 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04/MH07
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

CT-2 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: CHIMNEY CORNER RECTANGLE MH06/MH09
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL BASE

WB-1 SIZE: 6" WOOD, CHAMFERED EDGE

WB-2 MFG: DALTILE
SIZE: 3" X 12"
PROFILE: BULLNOSE
COLOR: MATCH CERAMIC TILE

WB-3 MFG: PATCRAFT
STYLE/COLOR: 4" 5127V-00750
NOTES: ACCEPTABLE ALTERNATES INCLUDE ROPPE PEWTER P119 AND JOHNSONITE 32-PEBBLE

WB-4 4" WOOD, CHAMFERED EDGE WITH SHOE MOLD (EXCEPT AT KITCHEN CABINETS, BATHROOM, MECH.)

WB-5 MFG: PATCRAFT
STYLE/COLOR: 6" 5127V-00750

WALL FINISHES

PAINT

PT-1 MFG: SHERWIN WILLIAMS
COLOR: SW 7757 HIGH REFLECTIVE WHITE
FINISH: FLAT AT CEILINGS, SEMI-GLOSS AT TRIM

PT-2 MFG: SHERWIN WILLIAMS
COLOR: SW 9165 GOSSAMER VEIL
FINISH: FLAT OR MATTE

PT-3 MFG: SHERWIN WILLIAMS
COLOR: SW 7621 SILVERMIST
FINISH: MATTE

PT-4 MFG: SHERWIN WILLIAMS
COLOR: SW 7017 DORIAN GRAY
FINISH: MATTE

WALL TILE

WT-1 MFG: DALTILE
SIZE: 3" X 12"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04
INSTALL: RUNNING BOND W/ BULLNOSE CAP FINISH
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL PANEL

WP-1 MFG: WILSONART LAMINATE
STYLE/COLOR: HIGHLINE 7910-18
INSTALL: VERTICAL PANELS

CASEWORK FINISHES

WOOD CABINETS

CB-1 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: WHITE
OVERLAY: FULL
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

CB-2 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: SLATE
OVERLAY: STANDARD
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

QUARTZ

QZ-1 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 3CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 6" BACKSPLASH TO MATCH

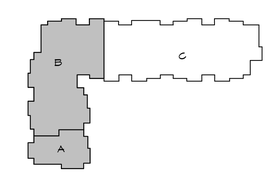
QZ-2 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 2CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 4" BACKSPLASH TO MATCH

WINDOW/DOOR TREATMENT

WT-1 MFG: SWF CONTRACT
PRODUCT: MANUAL SOLAR ROLLER SHADE
TYPE: TRUE PERFORMANCE
MODEL: SL15
FABRIC/COLOR: CROSSHATCH WHITE/FOG/C8914
CLOTH: 5%OD/5% OPEN
FASCIA: 3" BRACKET
MOUNT: INSIDE/JAMB/WALL/OVERHEAD

WT-2 MFG: FERGUSON
PRODUCT: WINDOW BLINDS
MODEL: LOTUS LMLX
COLOR: WHITE
LOUVERS: 1" VINYL
NOTE: USE MULTIPLE BLINDS FOR MULLED WINDOWS

WT-3 MFG: FERGUSON
PRODUCT: PATIO DOOR BLINDS
MODEL: LOTUS LVS60845CWH
COLOR: WHITE



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NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 1/06/2026

SECOND FLOOR FINISH AND FURNITURE PLAN - AREAS A & B

A921

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GENERAL ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH
A101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B101	VESTIBULE	CPT-1	WB-1, PT-1	PT-2	PT-1
B102	LOBBY	CT-1, CT-2	WB-1, PT-1	PT-3	PT-1
B103	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B104	SERVICE COORD.	LVT-1	WB-1, PT-1	PT-2	
B105	PROPERTY MANAGER	LVT-1	WB-1, PT-1	PT-2	
B105A	CLOSET	LVT-1	WB-1, PT-1	PT-2	P
B106	MAIL	LVT-1	WB-1, PT-1	PT-3	PT-1
B107A	MECH.	CON-1	WB-3	PT-3	PT-1
B107B	MECH.	CON-1	WB-3	PT-2	PT-1
B108	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B109	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B110	EXAM ROOM	LVT-1	WB-1, PT-1	PT-2	
B111	FITNESS	LVT-1	WB-1, PT-1	PT-2	PT-1
B112	J.C.	CON-1	WB-3	PT-2	PT-1
B113	STAGING	CON-1	WB-3	PT-2	PT-1
B114	WATER	CON-1	WB-3	PT-2	PT-1
B115	WATER	CON-1	WB-3	PT-2	PT-1
B116	TRASH	CON-1	WB-3	PT-2	PT-1
B117	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B118	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B119	MECH.	CON-1	WB-3	PT-2	PT-1
B120	ELEC.	CON-1	WB-3	PT-2	PT-1
B121	MDF	LVT-1	WB-3	PT-2	PT-1
C101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
E1	ELEV. 1	LVT-2		WP-1	
E2	ELEV. 2	LVT-2		WP-1	
S1	STAIR 1	LVT-1	WB-3	PT-2	PT-1
S2	STAIR 2	LVT-1	WB-3	PT-2	PT-1
A201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B202	J.C.	LVT-1	WB-3	PT-2	PT-1
B203	LAUNDRY	LVT-2	WB-5	PT-2	PT-1
B204	MECH	LVT-1	WB-3	PT-2	PT-1
B205	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B206	IDF	LVT-1	WB-3	PT-2	PT-1
B207	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B208	TRASH	LVT-1	WB-3	PT-2	PT-1
B208A	TRASH CHUTE				
B209	ELEV. M.	LVT-1	WB-1, PT-1	PT-2	PT-1
C201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
C202	MECH.	LVT-1	WB-3	PT-2	PT-1
C202A	SHAFT				
A301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B302	MULTIPURPOSE	LVT-1	WB-1, PT-1	PT-2	PT-1
B303	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B304	IDF	LVT-1	WB-3	PT-2	PT-1
B305	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B306	TRASH	LVT-1	WB-3	PT-2	PT-1
B307	MECH.	LVT-1	WB-3	PT-2	PT-1
B308	J.C.	LVT-1	WB-3	PT-2	PT-1
C301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1

FINISH LEGEND

ALL FINISHES SHALL MEET ALL CLASS A FIRE RATINGS AND COMPLY WITH CHAPTER 8 OF INTERNATIONAL BUILDING CODE.

FLOOR COVERINGS

CARPET

CPT-1 MFG: PATCRAFT
PATTERN: PASSAGE 801Y1
COLOR: STEP 595
INSTALL: QUARTER TURN

CONCRETE

CON-1 SEALED CONCRETE

LUXURY VINYL TILE

LVT-1 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 20 MIL 1436V
COLOR: FROE/00715
INSTALL: STAGGER

LVT-2 MFG: PATCRAFT
SIZE: 12" X 24"
STYLE: STRATIFIED 20 MIL 1322V
COLOR: FROST/00500
INSTALL: BOXED HERRINGBONE
NOTE: INSTALL AT ELEV. CABS TO BE BOXED DIAGONAL

LVT-3 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 12 MIL. VX254
COLOR: FROE/00715
INSTALL: STAGGER

CERAMIC TILE

CT-1 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04/MH07
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

CT-2 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: CHIMNEY CORNER RECTANGLE MH06/MH09
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL BASE

WB-1 SIZE: 6" WOOD, CHAMFERED EDGE

WB-2 MFG: DALTILE
SIZE: 3" X 12"
PROFILE: BULLNOSE
COLOR: MATCH CERAMIC TILE

WB-3 MFG: PATCRAFT
STYLE/COLOR: 4" 5127V-00750
NOTES: ACCEPTABLE ALTERNATES INCLUDE ROPPE PEWTER P119 AND JOHNSONITE 32-PEBBLE

WB-4 4" WOOD, CHAMFERED EDGE WITH SHOE MOLD (EXCEPT AT KITCHEN CABINETS, BATHROOM, MECH.)

WB-5 MFG: PATCRAFT
STYLE/COLOR: 6" 5127V-00750

WALL FINISHES

PAINT

PT-1 MFG: SHERWIN WILLIAMS
COLOR: SW 7757 HIGH REFLECTIVE WHITE
FINISH: FLAT AT CEILINGS, SEMI-GLOSS AT TRIM

PT-2 MFG: SHERWIN WILLIAMS
COLOR: SW 9165 GOSSAMER VEIL
FINISH: FLAT OR MATTE

PT-3 MFG: SHERWIN WILLIAMS
COLOR: SW 7621 SILVERMIST
FINISH: MATTE

PT-4 MFG: SHERWIN WILLIAMS
COLOR: SW 7017 DORIAN GRAY
FINISH: MATTE

WALL TILE

WT-1 MFG: DALTILE
SIZE: 3" X 12"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04
INSTALL: RUNNING BOND W/ BULLNOSE CAP FINISH
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL PANEL

WP-1 MFG: WILSONART LAMINATE
STYLE/COLOR: HIGHLINE 7910-18
INSTALL: VERTICAL PANELS

CASEWORK FINISHES

WOOD CABINETS

CB-1 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: WHITE
OVERLAY: FULL
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

CB-2 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: SLATE
OVERLAY: STANDARD
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

QUARTZ

QZ-1 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 3CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 6" BACKSPLASH TO MATCH

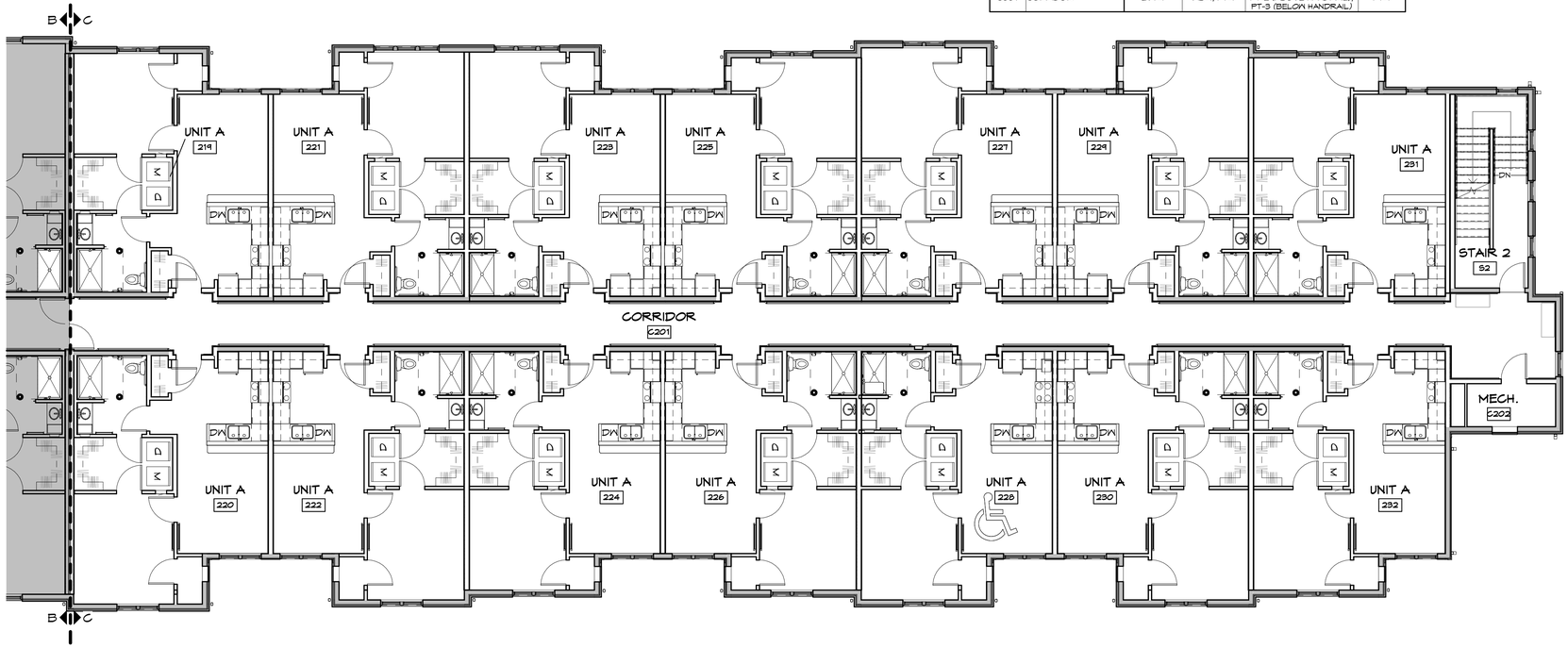
QZ-2 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 2CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 4" BACKSPLASH TO MATCH

WINDOW/DOOR TREATMENT

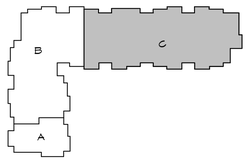
WT-1 MFG: SWF CONTRACT
PRODUCT: MANUAL SOLAR ROLLER SHADE
TYPE: TRUE PERFORMANCE
MODEL: SL15
FABRIC/COLOR: CROSSHATCH WHITE/FOG/C8914
CLOTH: 1500/5% OPEN
FASCIA: 3" BRACKET
MOUNT: INSIDE/JAMB/WALL/OVERHEAD

WT-2 MFG: FERGUSON
PRODUCT: WINDOW BLINDS
MODEL: LOTUS LMLX
COLOR: WHITE
LOUVERS: 1" VINYL
NOTE: USE MULTIPLE BLINDS FOR MULLED WINDOWS

WT-3 MFG: FERGUSON
PRODUCT: PATIO DOOR BLINDS
MODEL: LOTUS LVS60245GW
COLOR: WHITE



F3 SECOND FLOOR FINISH AND FURNITURE PLAN - AREA C
1/8" = 1'-0"



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NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 1/06/2026

SECOND FLOOR FINISH AND FURNITURE PLAN - AREA C

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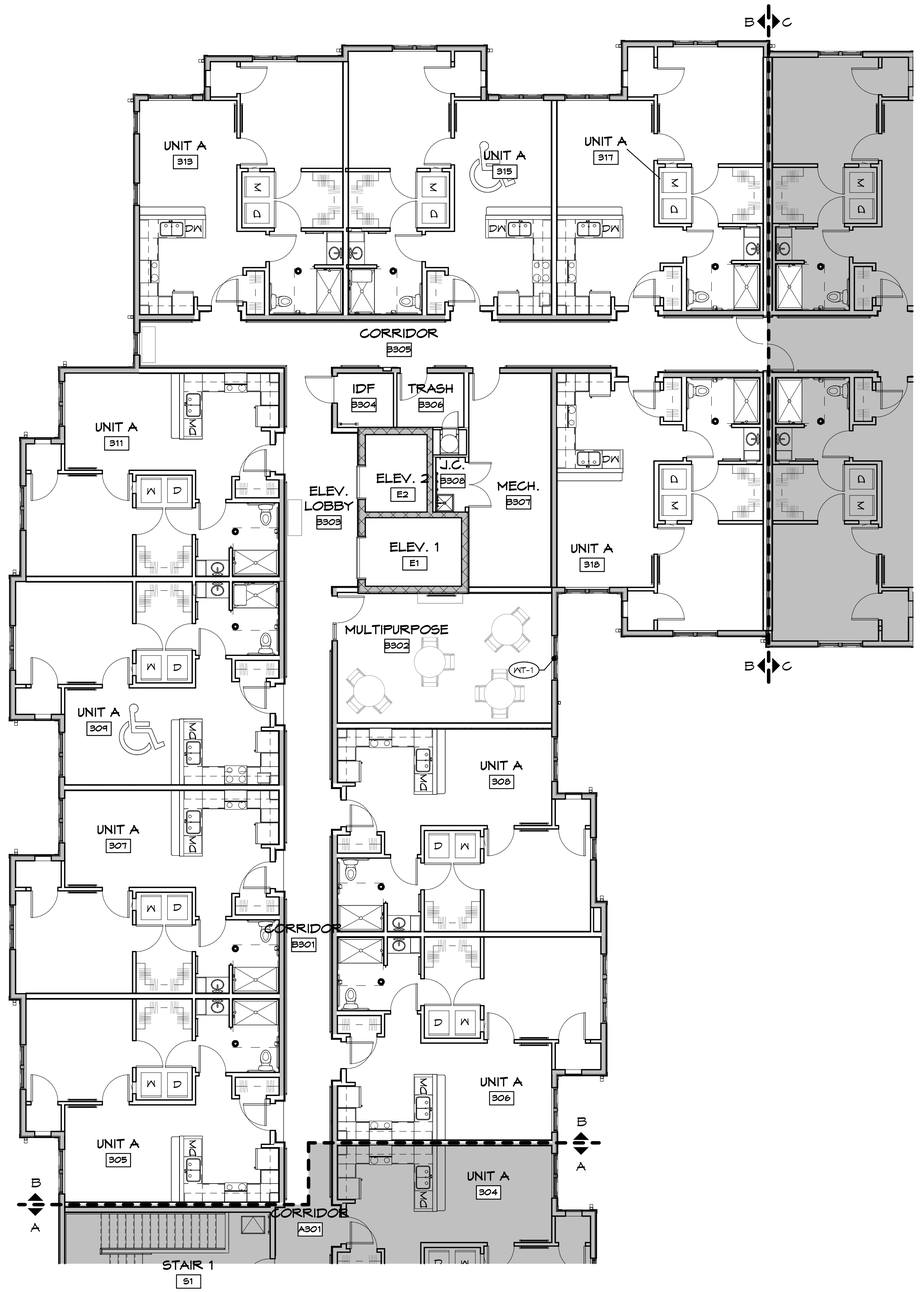
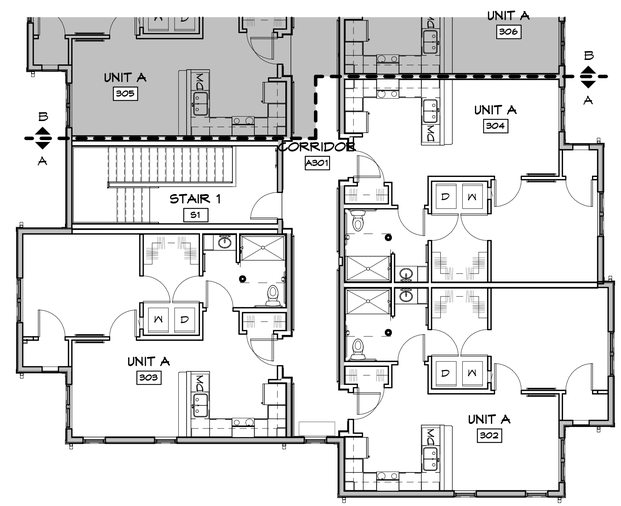


F6 THIRD FLOOR FINISH AND FURNITURE PLAN - AREA B

1/8" = 1'-0"



F3 THIRD FLOOR FINISH AND FURNITURE PLAN - AREA A

1/8" = 1'-0"

GENERAL ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH
A101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B101	VESTIBULE	CPT-1	WB-1, PT-1	PT-2	PT-1
B102	LOBBY	CT-1, CT-2	WB-1, PT-1	PT-3	PT-1
B103	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B104	SERVICE COORD.	LVT-1	WB-1, PT-1	PT-2	
B105	PROPERTY MANAGER	LVT-1	WB-1, PT-1	PT-2	
B105A	CLOSET	LVT-1	WB-1, PT-1	PT-2	P
B106	MAIL	LVT-1	WB-1, PT-1	PT-3	PT-1
B107A	MECH.	CON-1	WB-3	PT-3	PT-1
B107B	MECH.	CON-1	WB-3	PT-2	PT-1
B108	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B109	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B110	EXAM ROOM	LVT-1	WB-1, PT-1	PT-2	
B111	FITNESS	LVT-1	WB-1, PT-1	PT-2	PT-1
B112	J.C.	CON-1	WB-3	PT-2	PT-1
B113	STAGING	CON-1	WB-3	PT-2	PT-1
B114	WATER	CON-1	WB-3	PT-2	PT-1
B115	WATER	CON-1	WB-3	PT-2	PT-1
B116	TRASH	CON-1	WB-3	PT-2	PT-1
B117	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B118	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B119	MECH.	CON-1	WB-3	PT-2	PT-1
B120	ELEC.	CON-1	WB-3	PT-2	PT-1
B121	MDF	LVT-1	WB-3	PT-2	PT-1
C101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
E1	ELEV. 1	LVT-2		WP-1	
E2	ELEV. 2	LVT-2		WP-1	
S1	STAIR 1	LVT-1	WB-3	PT-2	PT-1
S2	STAIR 2	LVT-1	WB-3	PT-2	PT-1
A201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B202	J.C.	LVT-1	WB-3	PT-2	PT-1
B203	LAUNDRY	LVT-2	WB-5	PT-2	PT-1
B204	MECH	LVT-1	WB-3	PT-2	PT-1
B205	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B206	IDF	LVT-1	WB-3	PT-2	PT-1
B207	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B208	TRASH	LVT-1	WB-3	PT-2	PT-1
B208A	TRASH CHUTE				
B209	ELEV. M.	LVT-1	WB-1, PT-1	PT-2	PT-1
C201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
C202	MECH.	LVT-1	WB-3	PT-2	PT-1
C202A	SHAFT				
A301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B302	MULTIPURPOSE	LVT-1	WB-1, PT-1	PT-2	PT-1
B303	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B304	IDF	LVT-1	WB-3	PT-2	PT-1
B305	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B306	TRASH	LVT-1	WB-3	PT-2	PT-1
B307	MECH.	LVT-1	WB-3	PT-2	PT-1
B308	J.C.	LVT-1	WB-3	PT-2	PT-1
C301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1

FINISH LEGEND

ALL FINISHES SHALL MEET ALL CLASS A FIRE RATINGS AND COMPLY WITH CHAPTER 8 OF INTERNATIONAL BUILDING CODE.

FLOOR COVERINGS

CARPET

CPT-1 MFG: PATCRAFT
PATTERN: PASSAGE 80TY1
COLOR: STEP 595
INSTALL: QUARTER TURN

CONCRETE

CON-1 SEALED CONCRETE

LUXURY VINYL TILE

LVT-1 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 20 MIL 1436V
COLOR: FROE/00715
INSTALL: STAGGER

LVT-2 MFG: PATCRAFT
SIZE: 12" X 24"
STYLE: STRATIFIED 20 MIL 1322V
COLOR: FROST/00500
INSTALL: BOXED HERRINGBONE
NOTE: INSTALL AT ELEV. CABS TO BE BOXED DIAGONAL

LVT-3 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 12 MIL. VX254
COLOR: FROE/00715
INSTALL: STAGGER

CERAMIC TILE

CT-1 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04/MH07
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

CT-2 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: CHIMNEY CORNER RECTANGLE MH06/MH09
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL BASE

WB-1 SIZE: 6" WOOD, CHAMFERED EDGE

WB-2 MFG: DALTILE
SIZE: 3" X 12"
PROFILE: BULLNOSE
COLOR: MATCH CERAMIC TILE

WB-3 MFG: PATCRAFT
STYLE/COLOR: 4" 5127V-00750
NOTES: ACCEPTABLE ALTERNATES INCLUDE ROPPE PEWTER P119 AND JOHNSONITE 32-PEBBLE

WB-4 4" WOOD, CHAMFERED EDGE WITH SHOE MOLD (EXCEPT AT KITCHEN CABINETS, BATHROOM, MECH.)

WB-5 MFG: PATCRAFT
STYLE/COLOR: 6" 5127V-00750

WALL FINISHES

PAINT

PT-1 MFG: SHERWIN WILLIAMS
COLOR: SW 7757 HIGH REFLECTIVE WHITE
FINISH: FLAT AT CEILINGS, SEMI-GLOSS AT TRIM

PT-2 MFG: SHERWIN WILLIAMS
COLOR: SW 9165 GOSSAMER VEIL
FINISH: FLAT OR MATTE

PT-3 MFG: SHERWIN WILLIAMS
COLOR: SW 7621 SILVERMIST
FINISH: MATTE

PT-4 MFG: SHERWIN WILLIAMS
COLOR: SW 7017 DORIAN GRAY
FINISH: MATTE

WALL TILE

WT-1 MFG: DALTILE
SIZE: 3" X 12"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04
INSTALL: RUNNING BOND W/ BULLNOSE CAP FINISH
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL PANEL

WP-1 MFG: WILSONART LAMINATE
STYLE/COLOR: HIGHLINE 7910-18
INSTALL: VERTICAL PANELS

CASEWORK FINISHES

WOOD CABINETS

CB-1 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: WHITE
OVERLAY: FULL
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

CB-2 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: SLATE
OVERLAY: STANDARD
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

QUARTZ

QZ-1 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 3CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 6" BACKSPLASH TO MATCH

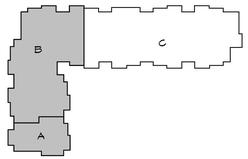
QZ-2 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 2CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 4" BACKSPLASH TO MATCH

WINDOW/DOOR TREATMENT

WT-1 MFG: SNF CONTRACT
PRODUCT: MANUAL SOLAR ROLLER SHADE
TYPE: TRUE PERFORMANCE
MODEL: SL15
FABRIC/COLOR: CROSSHATCH WHITE/FOG/C8914
CLOTH: 5%OO/5% OPEN
FASCIA: 3" BRACKET
MOUNT: INSIDE/JAMB/WALL/OVERHEAD

WT-2 MFG: FERGUSON
PRODUCT: WINDOW BLINDS
MODEL: LOTUS LMLX
COLOR: WHITE
LOUVERS: 1" VINYL
NOTE: USE MULTIPLE BLINDS FOR MULLED WINDOWS

WT-3 MFG: FERGUSON
PRODUCT: PATIO DOOR BLINDS
MODEL: LOTUS LVS60845GWH
COLOR: WHITE



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NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 1/06/2026

THIRD FLOOR FINISH AND FURNITURE PLAN - AREAS A & B

A931

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GENERAL ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH
A101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B101	VESTIBULE	CPT-1	WB-1, PT-1	PT-2	PT-1
B102	LOBBY	CT-1, CT-2	WB-1, PT-1	PT-3	PT-1
B103	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B104	SERVICE COORD.	LVT-1	WB-1, PT-1	PT-2	
B105	PROPERTY MANAGER	LVT-1	WB-1, PT-1	PT-2	
B105A	CLOSET	LVT-1	WB-1, PT-1	PT-2	P
B106	MAIL	LVT-1	WB-1, PT-1	PT-3	PT-1
B107A	MECH.	CON-1	WB-3	PT-3	PT-1
B107B	MECH.	CON-1	WB-3	PT-2	PT-1
B108	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B109	TOILET	CT-1, CT-2	WB-2	WT-1, PT-2 (AT WET WALLS)	PT-1
B110	EXAM ROOM	LVT-1	WB-1, PT-1	PT-2	
B111	FITNESS	LVT-1	WB-1, PT-1	PT-2	PT-1
B112	J.C.	CON-1	WB-3	PT-2	PT-1
B113	STAGING	CON-1	WB-3	PT-2	PT-1
B114	WATER	CON-1	WB-3	PT-2	PT-1
B115	WATER	CON-1	WB-3	PT-2	PT-1
B116	TRASH	CON-1	WB-3	PT-2	PT-1
B117	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B118	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B119	MECH.	CON-1	WB-3	PT-2	PT-1
B120	ELEC.	CON-1	WB-3	PT-2	PT-1
B121	MDF	LVT-1	WB-3	PT-2	PT-1
C101	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
E1	ELEV. 1	LVT-2		WP-1	
E2	ELEV. 2	LVT-2		WP-1	
S1	STAIR 1	LVT-1	WB-3	PT-2	PT-1
S2	STAIR 2	LVT-1	WB-3	PT-2	PT-1
A201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B202	J.C.	LVT-1	WB-3	PT-2	PT-1
B203	LAUNDRY	LVT-2	WB-5	PT-2	PT-1
B204	MECH	LVT-1	WB-3	PT-2	PT-1
B205	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B206	IDF	LVT-1	WB-3	PT-2	PT-1
B207	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
B208	TRASH	LVT-1	WB-3	PT-2	PT-1
B208A	TRASH CHUTE				
B209	ELEV. M.	LVT-1	WB-1, PT-1	PT-2	PT-1
C201	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-4 (BELOW HANDRAIL)	PT-1
C202	MECH.	LVT-1	WB-3	PT-2	PT-1
C202A	SHAFT				
A301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B302	MULTIPURPOSE	LVT-1	WB-1, PT-1	PT-2	PT-1
B303	ELEV. LOBBY	LVT-2	WB-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B304	IDF	LVT-1	WB-3	PT-2	PT-1
B305	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1
B306	TRASH	LVT-1	WB-3	PT-2	PT-1
B307	MECH.	LVT-1	WB-3	PT-2	PT-1
B308	J.C.	LVT-1	WB-3	PT-2	PT-1
C301	CORRIDOR	LVT-1	WB-1, PT-1	PT-2 (ABOVE HANDRAIL), PT-3 (BELOW HANDRAIL)	PT-1

FINISH LEGEND

ALL FINISHES SHALL MEET ALL CLASS A FIRE RATINGS AND COMPLY WITH CHAPTER 8 OF INTERNATIONAL BUILDING CODE.

FLOOR COVERINGS

CARPET

CPT-1 MFG: PATCRAFT
PATTERN: PASSAGE 801Y1
COLOR: STEP 595
INSTALL: QUARTER TURN

CONCRETE

CON-1 SEALED CONCRETE

LUXURY VINYL TILE

LVT-1 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 20 MIL 1436V
COLOR: FROE/00715
INSTALL: STAGGER

LVT-2 MFG: PATCRAFT
SIZE: 12" X 24"
STYLE: STRATIFIED 20 MIL 1322V
COLOR: FROST/00500
INSTALL: BOXED HERRINGBONE
NOTE: INSTALL AT ELEV. CABS TO BE BOXED DIAGONAL

LVT-3 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 12 MIL. VX254
COLOR: FROE/00715
INSTALL: STAGGER

CERAMIC TILE

CT-1 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04/MH07
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

CT-2 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: CHIMNEY CORNER RECTANGLE MH06/MH09
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL BASE

WB-1 SIZE: 6" WOOD, CHAMFERED EDGE

WB-2 MFG: DALTILE
SIZE: 3" X 12"
PROFILE: BULLNOSE
COLOR: MATCH CERAMIC TILE

WB-3 MFG: PATCRAFT
STYLE/COLOR: 4" 5127V-00750
NOTES: ACCEPTABLE ALTERNATES INCLUDE ROPPE PEWTER P119 AND JOHNSONITE 32-PEBBLE

WB-4 4" WOOD, CHAMFERED EDGE WITH SHOE MOLD (EXCEPT AT KITCHEN CABINETS, BATHROOM, MECH.)

WB-5 MFG: PATCRAFT
STYLE/COLOR: 6" 5127V-00750

WALL FINISHES

PAINT

PT-1 MFG: SHERWIN WILLIAMS
COLOR: SW 7757 HIGH REFLECTIVE WHITE
FINISH: FLAT AT CEILINGS, SEMI-GLOSS AT TRIM

PT-2 MFG: SHERWIN WILLIAMS
COLOR: SW 9165 GOSSAMER VEIL
FINISH: FLAT OR MATTE

PT-3 MFG: SHERWIN WILLIAMS
COLOR: SW 7621 SILVERMIST
FINISH: MATTE

PT-4 MFG: SHERWIN WILLIAMS
COLOR: SW 7017 DORIAN GRAY
FINISH: MATTE

WALL TILE

WT-1 MFG: DALTILE
SIZE: 3" X 12"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04
INSTALL: RUNNING BOND W/ BULLNOSE CAP FINISH
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL PANEL

WP-1 MFG: WILSONART LAMINATE
STYLE/COLOR: HIGHLINE 7910-18
INSTALL: VERTICAL PANELS

CASEWORK FINISHES

WOOD CABINETS

CB-1 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: WHITE
OVERLAY: FULL
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

CB-2 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: SLATE
OVERLAY: STANDARD
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

QUARTZ

QZ-1 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 3CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 6" BACKSPLASH TO MATCH

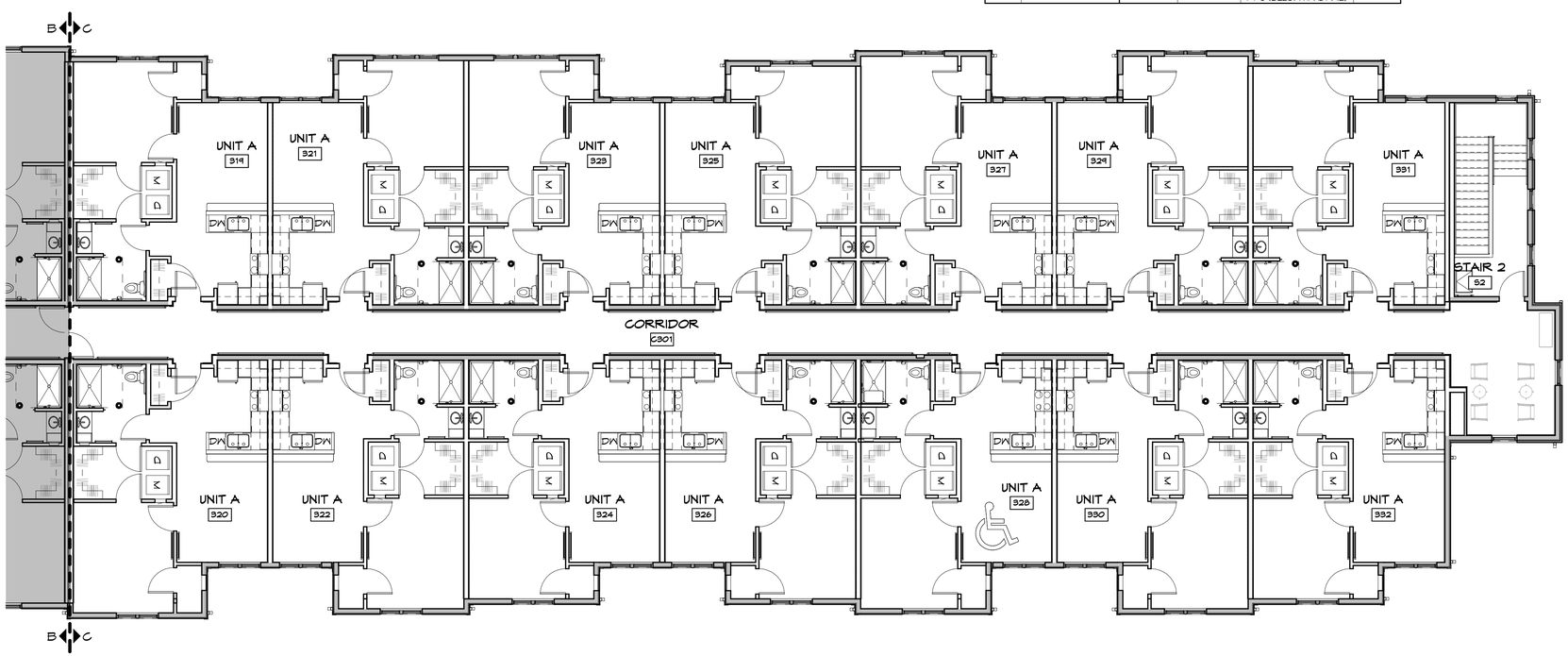
QZ-2 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 2CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 4" BACKSPLASH TO MATCH

WINDOW/DOOR TREATMENT

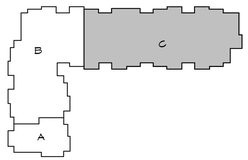
WT-1 MFG: SNF CONTRACT
PRODUCT: MANUAL SOLAR ROLLER SHADE
TYPE: TRUE PERFORMANCE
MODEL: SL15
FABRIC/COLOR: CROSSHATCH WHITE/FOG/C8914
CLOTH: 1500/5% OPEN
FASCIA: 3" BRACKET
MOUNT: INSIDE/JAMB/WALL/OVERHEAD

WT-2 MFG: FERGUSON
PRODUCT: WINDOW BLINDS
MODEL: LOTUS LMLX
COLOR: WHITE
LOUVERS: 1" VINYL
NOTE: USE MULTIPLE BLINDS FOR MULLED WINDOWS

WT-3 MFG: FERGUSON
PRODUCT: PATIO DOOR BLINDS
MODEL: LOTUS LVS60245GW
COLOR: WHITE



F3 THIRD FLOOR FINISH AND FURNITURE PLAN - AREA C
1/8" = 1'-0"



KEY PLAN
N.T.S

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1038 Salem Avenue Dayton, Ohio 45406

NATIONAL CHURCH RESIDENCES
5475 Rings Road, Suite 300
Dublin, Ohio 43017

NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 1/06/2026

THIRD FLOOR FINISH AND FURNITURE PLAN - AREA C

A932

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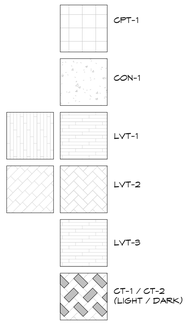
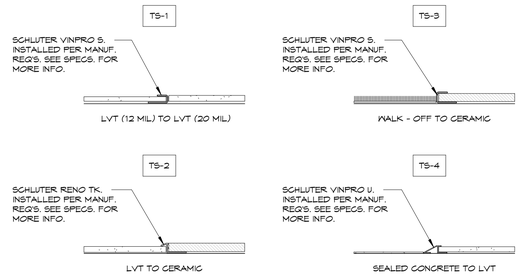
FINISH LEGEND



FLOOR TRANSITIONS



FINISH DETAILS

FINISH LEGEND

ALL FINISHES SHALL MEET ALL CLASS A FIRE RATINGS AND COMPLY WITH CHAPTER 8 OF INTERNATIONAL BUILDING CODE.

FLOOR COVERINGS

CARPET

CPT-1 MFG: PATCRAFT
PATTERN: PASSAGE 801Y1
COLOR: STEP 595
INSTALL: QUARTER TURN

CONCRETE

CON-1 SEALED CONCRETE

LUXURY VINYL TILE

LVT-1 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 20 MIL 14386V
COLOR: FROE/00715
INSTALL: STAGGER

LVT-2 MFG: PATCRAFT
SIZE: 12" X 24"
STYLE: STRATIFIED 20 MIL 13221V
COLOR: FROST/00500
INSTALL: BOXED HERRINGBONE
NOTE: INSTALL AT ELEV. CABS TO BE BOXED DIAGONAL

LVT-3 MFG: PATCRAFT
SIZE: 5.96" X 48"
STYLE: HEARTWOOD 12 MIL. VX254
COLOR: FROE/00715
INSTALL: STAGGER

CERAMIC TILE

CT-1 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04/MH07
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

CT-2 MFG: DALTILE
SIZE: 12" X 24"
PATTERN: MODERN HEARTH
COLOR: CHIMNEY CORNER RECTANGLE MH06/MH09
INSTALL: BOXED HERRINGBONE
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL BASE

WB-1 SIZE: 6" WOOD, CHAMFERED EDGE

WB-2 MFG: DALTILE
SIZE: 3" X 12"
PROFILE: BULLNOSE
COLOR: MATCH CERAMIC TILE

WB-3 MFG: PATCRAFT
STYLE/COLOR: 4" 5127V-00750
NOTES: ACCEPTABLE ALTERNATES INCLUDE ROPPE PEWTER P119 AND JOHNSONITE 32-PEBBLE

WB-4 4" WOOD, CHAMFERED EDGE WITH SHOE MOLD (EXCEPT AT KITCHEN CABINETS, BATHROOM, MECH.)

WB-5 MFG: PATCRAFT
STYLE/COLOR: 6" 5127V-00750

WALL FINISHES

PAINT

PT-1 MFG: SHERWIN WILLIAMS
COLOR: SW 7757 HIGH REFLECTIVE WHITE
FINISH: FLAT AT CEILINGS, SEMI-GLOSS AT TRIM

PT-2 MFG: SHERWIN WILLIAMS
COLOR: SW 9165 GOSSAMER VEIL
FINISH: FLAT OR MATTE

PT-3 MFG: SHERWIN WILLIAMS
COLOR: SW 7621 SILVERMIST
FINISH: MATTE

PT-4 MFG: SHERWIN WILLIAMS
COLOR: SW 7017 DORIAN GRAY
FINISH: MATTE

WALL TILE

WT-1 MFG: DALTILE
SIZE: 3" X 12"
PATTERN: MODERN HEARTH
COLOR: WHITE ASH RECTANGLE MH04
INSTALL: RUNNING BOND W/ BULLNOSE CAP FINISH
GROUT: MAPEI PEWTER 02 OR LATICRETE NATURAL GREY 24, TEC-33

WALL PANEL

WP-1 MFG: WILSONART LAMINATE
STYLE/COLOR: HIGHLINE 7910-18
INSTALL: VERTICAL PANELS

CASEWORK FINISHES

WOOD CABINETS

CB-1 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: WHITE
OVERLAY: FULL
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

CB-2 MFG: KOUNTRY WOOD
STYLE: GEORGETOWN
COLOR: SLATE
OVERLAY: STANDARD
DRAWER FRONT: SLAB
EDGE PROFILE: SQUARE
HARDWARE: 96MM BRUSHED NICKEL

QUARTZ

QZ-1 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 3CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 6" BACKSPLASH TO MATCH

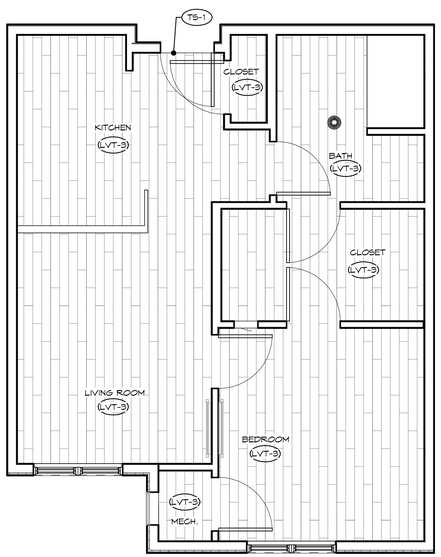
QZ-2 MFG: TOPZSTONE BY SIMS-LOHMAN
COLOR: VANGUARD CARRARA, POLISHED
THICKNESS: 2CM
EDGE PROFILE: HALF BULLNOSE, RADIUS CORNERS
NOTE: PROVIDE 4" BACKSPLASH TO MATCH

WINDOW/DOOR TREATMENT

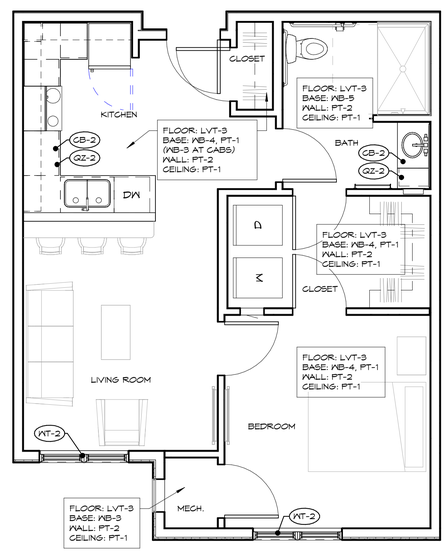
WT-1 MFG: SNF CONTRACT
PRODUCT: MANUAL SOLAR ROLLER SHADE
TYPE: TRUE PERFORMANCE
MODEL: SL15
FABRIC/COLOR: CROSSHATCH WHITE/FOG/C8314
CLOTH: 5300/5% OPEN
FASCIA: 3" BRACKET
MOUNT: INSIDE/JAMB/WALL/OVERHEAD

WT-2 MFG: FERGUSON
PRODUCT: WINDOW BLINDS
MODEL: LOTUS LMLX
COLOR: WHITE
LOUVERS: 1" VINYL
NOTE: USE MULTIPLE BLINDS FOR MULLED WINDOWS

WT-3 MFG: FERGUSON
PRODUCT: PATIO DOOR BLINDS
MODEL: LOTUS LVS60245GW
COLOR: WHITE



F5 UNIT A AND TYPE A - FINISH FLOOR PLAN
1/4" = 1'-0"



F3 UNIT A AND TYPE A - FINISH PLAN
1/4" = 1'-0"

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NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 1/06/2026

UNIT FINISHES

A941

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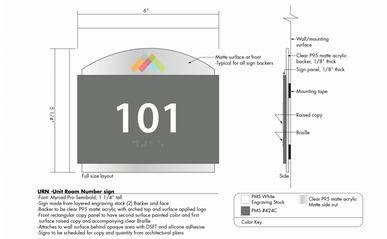
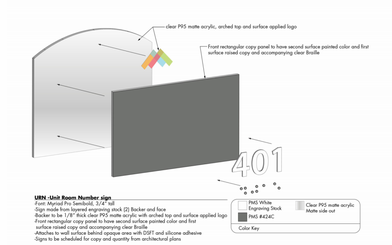


URN -Unit Room Number sign
-Font: Myriad Pro Semibold, 1 1/4" tall
-Sign made from layered engraving stock (2) Backer and face
-Backer to be clear PS5 matte acrylic with arched top and surface applied logo
-Front rectangular copy panel to have second surface painted color and first surface raised copy and accompanying clear Braille
-Attaches to wall surface behind opaque area with DSFT and silicone adhesive
-Signs to be scheduled for copy and quantity from architectural plans
-Coordinate with local authorities

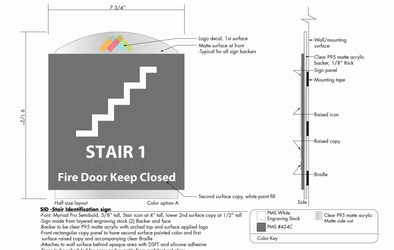
Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 1
1515 E. Fifth Ave. Columbus, OH 43219 P: (614)252-3133

NOTE:
LETTER 'U' NOT TO BE INCLUDED ON DWELLING UNIT SIGNAGE



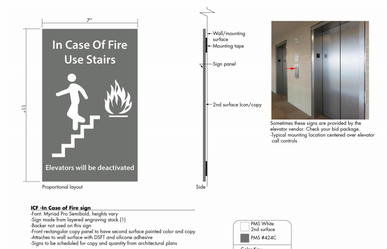
URN -Unit Room Number sign
-Font: Myriad Pro Semibold, 3 1/4" tall
-Sign made from layered engraving stock (2) Backer and face
-Backer to be clear PS5 matte acrylic with arched top and surface applied logo
-Front rectangular copy panel to have second surface painted color and first surface raised copy and accompanying clear Braille
-Attaches to wall surface behind opaque area with DSFT and silicone adhesive
-Signs to be scheduled for copy and quantity from architectural plans

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 2
1515 E. Fifth Ave. Columbus, OH 43219 P: (614)252-3133



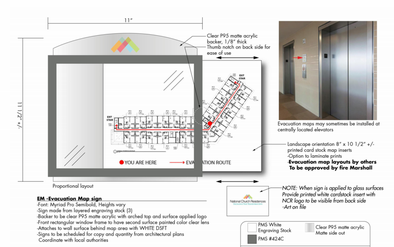
SID -Stair Identification sign
-Font: Myriad Pro Semibold, 5/8" tall, Stair icon at 4" tall, lower 2nd surface copy at 1/2" tall
-Sign made from layered engraving stock (2) Backer and face
-Backer to be clear PS5 matte acrylic with arched top and surface applied logo
-Front rectangular copy panel to have second surface painted color and first surface raised copy and accompanying clear Braille
-Attaches to wall surface behind opaque area with DSFT and silicone adhesive
-Signs to be scheduled for copy and quantity from architectural plans

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 3
1515 E. Fifth Ave. Columbus, OH 43219 P: (614)252-3133



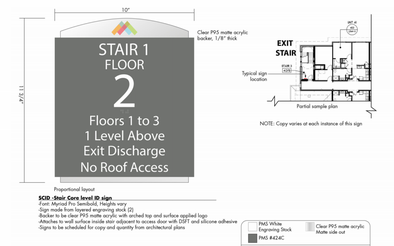
ICF -In Case of Fire sign
-Font: Myriad Pro Semibold, Heights vary
-Sign made from layered engraving stock (1)
-Backer not used on this sign
-Front rectangular copy panel to have second surface painted color and copy
-Attaches to wall surface with DSFT and silicone adhesive
-Signs to be scheduled for copy and quantity from architectural plans

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 4
1515 E. Fifth Ave. Columbus, OH 43219 P: (614)252-3133



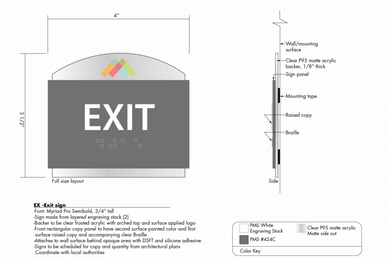
EM -Evacuation Map sign
-Font: Myriad Pro Semibold, Heights vary
-Sign made from layered engraving stock (2)
-Backer to be clear PS5 matte acrylic with arched top and surface applied logo
-Front rectangular window frame to have second surface painted color clear lens
-Attaches to wall surface behind map area with WHITE DSFT
-Signs to be scheduled for copy and quantity from architectural plans
-Coordinate with local authorities

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 5
1515 E. Fifth Ave. Columbus, OH 43219 P: (614)252-3133



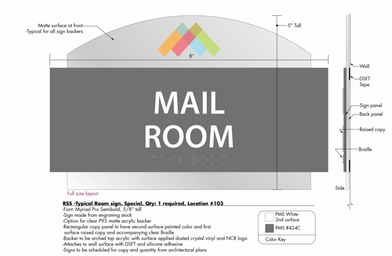
SCID -Stair Core Level ID sign
-Font: Myriad Pro Semibold, Heights vary
-Sign made from layered engraving stock (2)
-Backer to be clear PS5 matte acrylic with arched top and surface applied logo
-Attaches to wall surface inside stair adjacent to access door with DSFT and silicone adhesive
-Signs to be scheduled for copy and quantity from architectural plans

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 6
1515 E. Fifth Ave. Columbus, OH 43219 P: (614)252-3133



EX -Exit sign
-Front: Myriad Pro Semibold, 3/4" tall
-Sign made from layered engraving stock (2)
-Backer to be clear frosted acrylic with arched top and surface applied logo
-Front rectangular copy panel to have second surface painted color and first surface raised copy and accompanying clear Braille
-Attaches to wall surface behind opaque area with DSFT and silicone adhesive
-Signs to be scheduled for copy and quantity from architectural plans
-Coordinate with local authorities

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 7
1515 E. Fifth Ave. Columbus, OH 43219 P: (614)252-3133



RSS -Typical Room sign, Special, Qty: 1 required, Location #103
-Front: Myriad Pro Semibold, 5/8" tall
-Sign made from engraving stock
-Option for clear PS5 matte acrylic backer
-Rectangular copy panel to have second surface painted color and first surface raised copy and accompanying clear Braille
-Backer to be arched top acrylic with surface applied dusted crystal vinyl and NCR logo
-Attaches to wall surface with DSFT and silicone adhesive
-Signs to be scheduled for copy and quantity from architectural plans

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 8
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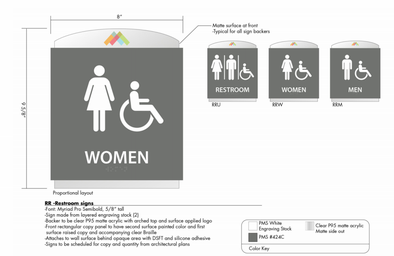

RR -Restroom signs
-Front: Myriad Pro Semibold, 5/8" tall
-Sign made from layered engraving stock (2)
-Backer to be clear PS5 matte acrylic with arched top and surface applied logo
-Front rectangular copy panel to have second surface painted color and first surface raised copy and accompanying clear Braille
-Attaches to wall surface behind opaque area with DSFT and silicone adhesive
-Signs to be scheduled for copy and quantity from architectural plans

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 9
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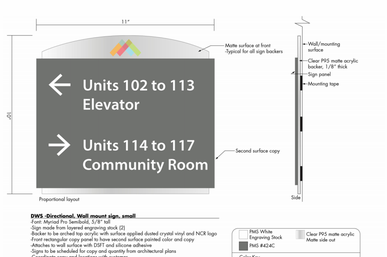

DWS -Directional, Wall mount sign, small
-Front: Myriad Pro Semibold, 5/8"
-Sign made from layered engraving stock (2)
-Backer to be arched top acrylic with surface applied dusted crystal vinyl and NCR logo
-Front rectangular copy panel to have second surface painted color and copy
-Attaches to wall surface with DSFT and silicone adhesive
-Signs to be scheduled for copy and quantity from architectural plans
-Coordinate copy and locations with customer

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 10
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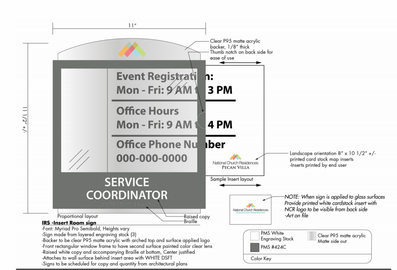

IRS -Insert Room sign
-Front: Myriad Pro Semibold, Heights vary
-Sign made from layered engraving stock (2)
-Backer to be clear PS5 matte acrylic with arched top and surface applied logo
-Front rectangular window frame to have second surface painted color clear lens
-Raised white copy and accompanying Braille at bottom, Center justified
-Attaches to wall surface behind insert area with WHITE DSFT
-Signs to be scheduled for copy and quantity from architectural plans

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 11
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SFF -Smoke Free Facility sign
-Front: Myriad Pro, Bold and Regular Heights vary
-Sign made from layered engraving stock (2)
-Backer to be clear PS5 matte acrylic with arched top and surface applied logo
-Attaches to wall surface, location at choice of end user
-Signs to be scheduled for copy and quantity from architectural plans

Columbus Sign Co. | NCR -Interior Sign Guide | Family A | 4-07/06/16 | Project Layout: ☐ Approved ☐ Approved as Noted | Approval Signature | Sales: LR | Design: TN | Dwg: 16-070 | 12
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INTERIOR SIGNAGE SCHEDULE

TYPE MARK	TYPE		LEVEL	COUNT
DWS	DIRECTIONAL WALL SMALL		1ST FLOOR	7
			2ND FLOOR	4
			3RD FLOOR	4
EM	EVACUATION MAP SIGN	(MAP INSERT BY OTHERS)	1ST FLOOR	10
			2ND FLOOR	6
			3RD FLOOR	6
EX	EXIT SIGN	EXIT	1ST FLOOR	5
ICF	IN CASE OF FIRE SIGN	IN CASE OF FIRE USE STAIRS	1ST FLOOR	2
			2ND FLOOR	1
			3RD FLOOR	1
OCC	OCCUPANCY MAX SIGN	(REFER TO MAX. OCC OF ROOM)	1ST FLOOR	2
RR	RESTROOM SIGN	RESTROOM	1ST FLOOR	2
RSS	TYPICAL ROOM SIGN	(REFER TO ROOM NAME & NUMBER)	1ST FLOOR	17
			2ND FLOOR	7
			3RD FLOOR	5
SCID	STAIR CORE LEVEL ID SIGN	STAIR 1 FLOOR 1 FLOORS 1-3 2 LEVELS ABOVE EXIT AT THIS LEVEL	1ST FLOOR	1
	STAIR CORE LEVEL ID SIGN	STAIR 2 FLOOR 1 FLOORS 1-3 2 LEVELS ABOVE EXIT AT THIS LEVEL	1ST FLOOR	1
	STAIR CORE LEVEL ID SIGN	STAIR 1 FLOOR 2 FLOORS 1-3 1 LEVEL ABOVE EXIT AT LEVEL 1	2ND FLOOR	1
	STAIR CORE LEVEL ID SIGN	STAIR 2 FLOOR 2 FLOORS 1-3 1 LEVEL ABOVE EXIT AT LEVEL 1	2ND FLOOR	1
	STAIR CORE LEVEL ID SIGN	STAIR 1 FLOOR 3 FLOORS 1-3 EXIT AT LEVEL 1	3RD FLOOR	1
	STAIR CORE LEVEL ID SIGN	STAIR 2 FLOOR 3 FLOORS 1-3 EXIT AT LEVEL 1	3RD FLOOR	1
SFF	SMOKE FREE FACILITY SIGN	THIS IS A SMOKE FREE FACILITY	1ST FLOOR	5
SID	STAIR IDENTIFICATION SIGN	STAIR 1 STAIR 2	1ST FLOOR	2
		STAIR 1 STAIR 2	2ND FLOOR	2
		STAIR 1 STAIR 2	3RD FLOOR	2
URN	UNIT ROOM NUMBER SIGN	(REFER TO ROOM NUMBER W/O "U")	1ST FLOOR	21
			2ND FLOOR	27
			3RD FLOOR	27

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Dublin, Ohio 43017

NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% BID SET
DATE : 1/06/2026

INTERIOR SIGNAGE SCHEDULE

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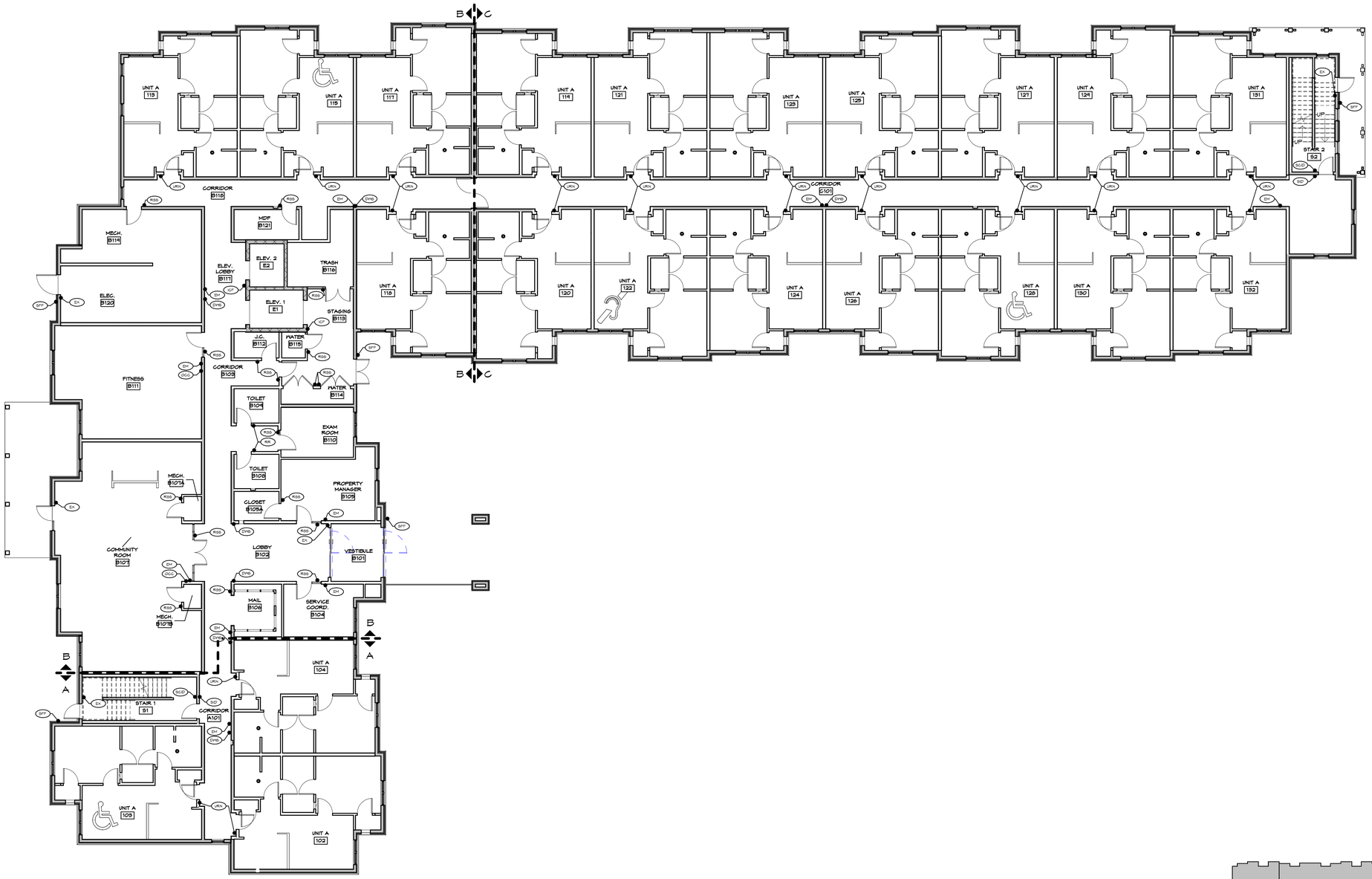
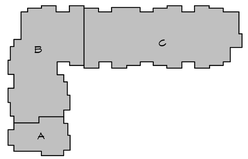


F3 OVERALL FIRST FLOOR SIGNAGE PLAN

3/32" = 1'-0"



KEY PLAN
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OVERALL FIRST FLOOR SIGNAGE PLAN

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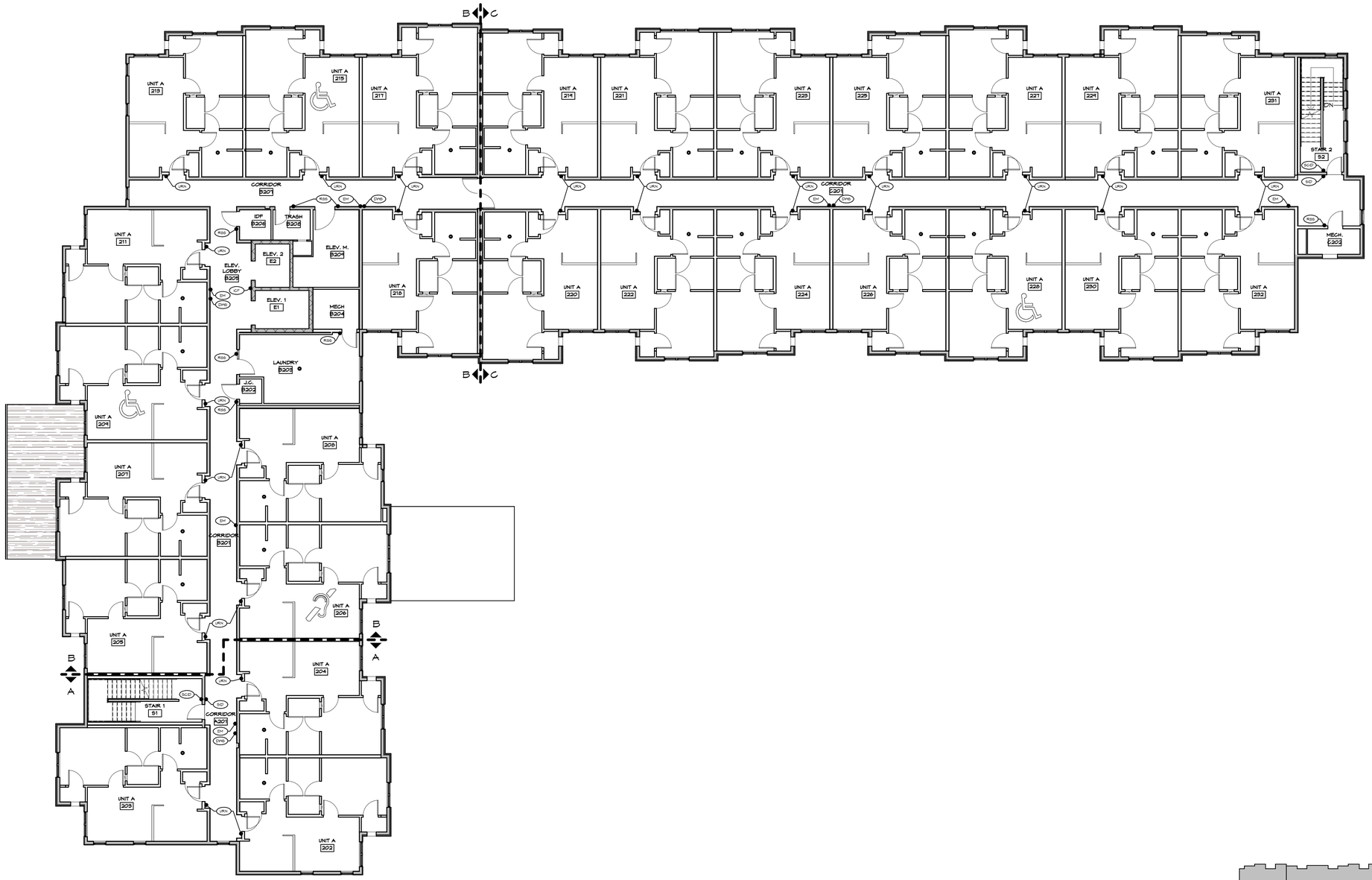
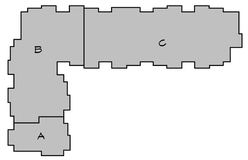


F3 OVERALL SECOND FLOOR SIGNAGE PLAN

3/32" = 1'-0"



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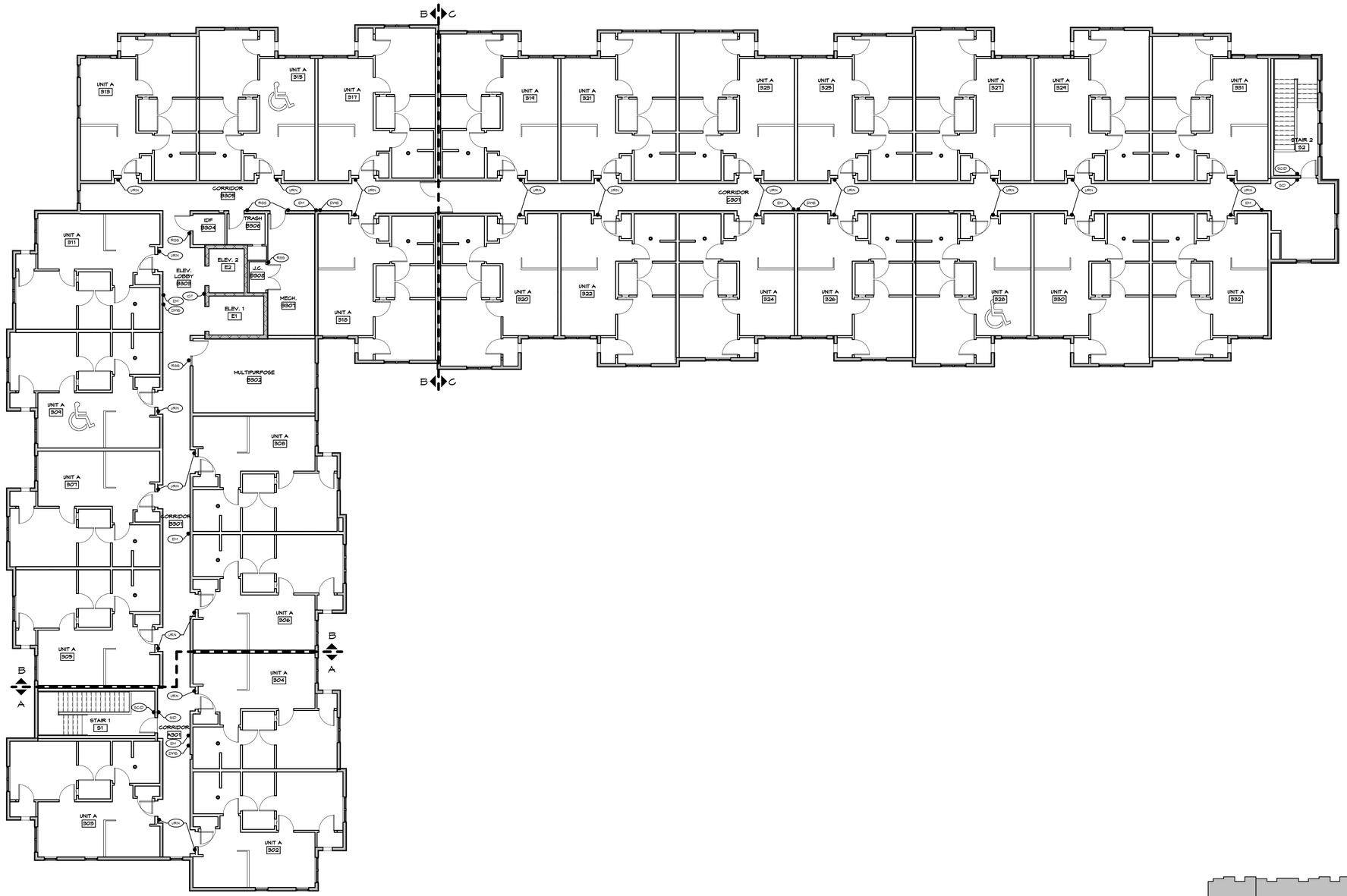
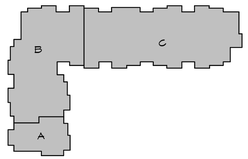


F3 OVERALL THIRD FLOOR - FINISH FLOOR PLAN

3/32" = 1'-0"



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OVERALL THIRD FLOOR SIGNAGE PLAN

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STRUCTURAL NOTES

GOVERNING CODE

2024 OHIO BUILDING CODE (REFERENCES IBC 2021 & ASCE-7 2016)

1. GABLE WOOD FRAMED ROOF LOAD.

A. MINIMUM COMBINATION OF WIND LOAD, LIVE LOAD, RAIN LOAD, OR SNOW LOAD ((P_f OR P_m)	20	PSF*
B. ASPHALT/FIBERGLASS SHINGLES (2 LAYERS)	6	PSF
C. ROOF SHEATHING	3	PSF
D. TRUSS FRAMING WEIGHT	5	PSF
E. CEILING, INSULATION	3	PSF
F. SPRINKLERS	3	PSF
G. DUCTS, LIGHTS, MISC. MECHANICAL	2	PSF
TOTAL LOADS ON TRUSSES	42	PSF MIN

*FLAT ROOF SNOW LOAD, P_F = 14 PSF
GROUND SNOW, P_g = 20 PSF
SNOW LOAD IMPORTANCE FACTOR, I_S = 1.0
SNOW EXPOSURE FACTOR, C_e = 1.0
SNOW LOAD THERMAL FACTOR, C_t = 1.0
MINIMUM SNOW LOAD, P_m = 20 PSF

SEE SNOW DRIFT PLAN FOR DRIFT LOADS (P_d). SPECIFIED DRIFT LOADS (P_d) SHALL BE COMBINED WITH FLAT ROOF SNOW LOAD (P_f) OR SLOPED ROOF SNOW LOAD (P_s) FOR TOTAL SNOW LOADING AT DRIFT CONDITIONS

COORDINATE ROOF FRAMING WITH FINAL SELECTION OF ROOF SUPPORTED MECHANICAL EQUIPMENT AND ASSOCIATED OPENINGS. ITEMS TO BE COORDINATED INCLUDE SIZE, LOCATION, TOTAL WEIGHT, WEIGHT DISTRIBUTION, AND SUPPORT FRAME REQUIREMENTS.

2. WOOD FRAMED FLOOR LOAD.

A. FLOOR FINISH ALLOWANCE	2	PSF
B. ¾" GYPCRETE TOPPING	8	PSF
C. MISC PARTITION WALLS	5	PSF
D. FLOOR SHEATHING	3	PSF
E. TRUSS FRAMING	3	PSF
F. CEILING	3	PSF
G. SPRINKLERS	3	PSF
H. DUCTS, LIGHTS, MISC. MECHANICAL	3	PSF
TOTAL LOAD ON FLOOR FRAMING	30	PSF
I. PRIVATE ROOMS AND CORRIDORS SERVING THEM LIVE LOAD	40	PSF***
J. PUBLIC ROOMS AND CORRIDORS SERVING THEM LIVE LOAD	100	PSF***
L. STAIR LIVE LOAD	100	PSF

*** LIVE LOAD REDUCTIONS USED WHERE APPLICABLE

3. WIND LOAD (PER ASCE 7):
   A. BASIC DESIGN WIND SPEED, V= 107 MPH
   B. ALLOWABLE STRESS DESIGN WIND SPEED, V_{ASD} = 83 MPH
   C. RISK CATEGORY = II
   D. WIND EXPOSURE = B (ALL WIND DIRECTIONS)
   E. INTERNAL PRESSURE COEFFICIENT, GCpi = +0.18, -0.18
   F. DESIGN PRESSURES FOR EXTERIOR COMPONENT AND CLADDING ITEMS NOT SPECIFICALLY DESIGNED BY THE ENGINEER OF RECORD: SEE TYPICAL COMPONENT AND CLADDING WIND PRESSURE TABLE

4. SEISMIC LOAD

A. SEISMIC RISK CATEGORY	= II
B. SEISMIC IMPORTANCE FACTOR, I_e	= 1.0
C. MAPPED SPECTRAL RESPONSE ACCELERATION FACTOR AT SHORT PERIOD, S_S	= 0.15
D. MAPPED SPECTRAL RESPONSE ACCELERATION FACTOR AT 1 SECOND, S_1	= 0.07
E. SITE CLASS	= D
F. DESIGN SPECTRAL RESPONSE ACCELERATION FACTOR AT SHORT PERIOD, S_{DS}	= 0.156
G. DESIGN SPECTRAL RESPONSE ACCELERATION FACTOR AT 1 SECOND PERIOD, S_{D1}	= 0.114
H. SEISMIC DESIGN CATEGORY	= B
I. BASIC SEISMIC FORCE RESISTING SYSTEM	= LIGHT FRAME WALLS w/SHEAR PANELS OF ALL OTHER MATERALS
J. RESPONSE MODIFICATION COEFFICIENT, R	= 6.5
K. SEISMIC RESPONSE COEFFICIENT, CS	= 0.078
L. DESIGN BASE SHEAR	= 68.7k
M. ANALYSIS PROCEDURE USED	= ELFP

5. SPECIAL LOADS:
   A. INTERIOR WALLS AND PARTITIONS THAT EXCEED 6 FEET IN HEIGHT: 5 PSF HORIZONTAL LIVE LOAD.
   B. HANDRAILS AND GUARDRAILS:
      i. TOP RAIL: 200 POUND CONCENTRATED LOAD AT ANY POINT IN ANY DIRECTION OR 5O PLF UNIFORM LOAD APPLIED IN ANY DIRECTION.
      ii. INTERMEDIATE RAILS, BALUSTERS, AND PANEL FILLERS: HORIZONTALLY APPLIED NORMAL LOAD OF 50 POUNDS ON AN AREA NOT TO EXCEED 1 SQUARE FT., INCLUDING OPENINGS AND SPACE BETWEEN RAILS.
   C. IMPACT:
      i. ELEVATORS: SECTION 1607.9.1

CONSTRUCTION AND SAFETY

1. CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
2. ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS/HER OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.
4. PRIOR TO COMMENCEMENT OF STEEL ERECTION, CONTRACTOR MUST PROVIDE THE STEEL ERECTOR WRITTEN NOTIFICATION THAT THE CONCRETE IN THE FOOTINGS, PIERS AND WALLS OR THE MORTAR IN THE MASONRY PIERS AND WALLS HAS ATTAINED EITHER 75 PERCENT OF THE INTENDED MINIMUM COMPRESSIVE DESIGN STRENGTH OR SUFFICIENT STRENGTH TO SUPPORT THE LOADS IMPOSED DURING STEEL ERECTION.
5. ANCHOR RODS AND FOUNDATION DOWELS SHALL NOT BE REPAIRED, REPLACED OR FIELD-MODIFIED WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

FOUNDATIONS

1. PER CLIENT'S REQUEST, THE FOUNDATION DESIGN AND GENERAL FOUNDATION NOTES ARE BASED ON THE ASSUMPTION OF FAVORABLE SOIL CONDITIONS. THE CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEER TO VERIFY DESIGN ASSUMPTIONS PRIOR TO FOUNDATION INSTALLATION. THE COST FOR THE GEOTECHNICAL ENGINEER SHALL BE LISTED AS A SEPARATE ITEM ON THE CONTRACTOR'S BID. THE CONTRACTOR SHALL SUBMIT COPIES OF THE GEOTECHNICAL ENGINEER'S REPORT TO SCHAEFER. ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1 IN 12) UNDISTURBED SOIL OR APPROVED ENGINEERED FILL. FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 3000 PSF BELOW STRIP FOOTINGS AND 3000 PSF BELOW ISOLATED COLUMN FOOTINGS.
2. ALL AREAS WITHIN THE FOOTPRINT OF THE BUILDING, INCLUDING UTILITY TRENCHES, MUST BE FREE OF ANY WET AND/OR SOFT AREAS PRIOR TO PLACEMENT OF FILL MATERIAL OR SLAB.
3. CONTRACTOR SHALL CONTACT UTILITY COMPANIES FOR LOCATING UNDERGROUND SERVICES AND IS RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT.
4. FILL MATERIALS: ALL FILL MATERIALS SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER, INCLUDING THE SUITABILITY OF ALL EXCAVATED ON-SITE SOILS FOR RE-USE. MATERIAL SHALL NOT BE PLACED ON FROZEN GROUND.
   A. CONTROLLED LOW STRENGTH MATERIAL (CLSM): SELF LEVELING AND SELF COMPACTING CEMENTITIOUS MATERIAL WITH AN UNCONFINED COMPRESSIVE STRENGTH BETWEEN 50 PSI AND 150 PSI.
   B. WELL GRADED GRANULAR MATERIAL: WELL GRADED MIXTURE OF CRUSHED GRAVEL, CRUSHED STONE, AND SAND PER ASTM D294 WITH AT LEAST 95 PERCENT PASSING A 1 ½" SIEVE AND NOT MORE THAN 8 PERCENT PASSING A NO. 200 SIEVE OR ODOT 304.
   C. FREE DRAINING GRANULAR FILL: NARROWLY GRADED MIXTURE OF CRUSHED STONE PER ASTM D448 WITH COARSE AGGREGATE GRADING SIZE 67 WITH 100 PERCENT PASSING A 1 INCH SIEVE AND NO MORE THAN 5 PERCENT PASSING A NO. 4 SIEVE OR AASHTO NO 57 — CRUSHED AGGREGATE.
   D. IMPERVIOUS FILL: LEAN CLAYEY GRAVEL AND SAND MIXTURE CAPABLE OF COMPACTING TO A DENSE STATE.
5. FOUNDATION ELEVATIONS SHOWN ARE FOR BIDDING PURPOSES AND MAY VARY TO SUIT SUB-SURFACE SOIL CONDITION. ELEVATION AND BEARING STRATA SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE. PROVIDE ENGINEERED FILL OR CLSM UNDER FOUNDATIONS AT SOFT SPOTS AND FOR EXTENDING EXCAVATION TO ADEQUATE BEARING MATERIAL. INSTALL FOUNDATIONS AT DESIGNED ELEVATIONS
6. FROST DEPTH IS 32 INCHES BELOW GRADE. BOTTOM OF FOOTINGS, MAT FOUNDATIONS AND GRADE BEAMS THAT ARE NOT PART OF AN INSULATED FROST PROTECTED FOUNDATION SYSTEM AND ARE NOT WITHIN CONDITIONED SPACE MUST BE BELOW SPECIFIED MINIMUM FROST DEPTH AS MEASURED FROM EXTERIOR GRADE. MAINTAIN SPECIFIED T/FDN ELEVATIONS AND THICKEN FOOTING OR PLACE ON CLSM AS REQUIRED.
7. FOUNDATIONS MAY BE PLACED WITHOUT SIDE FORMS IF EXCAVATED WALLS STAND APPROXIMATELY VERTICAL
8. LATERAL SOIL PRESSURES: LATERAL EARTH PRESSURES INDICATED BELOW DO NOT INCLUDE HYDROSTATIC OR COMPACTION PRESSURES DURING BACKFILL OPERATIONS. WALLS SHALL HAVE ADEQUATE DRAINAGE TO PREVENT HYDROSTATIC PRESSURES. COMPACT USING HAND-OPERATED TAMPERS ONLY.
   A. CANTILEVERED RETAINING WALLS (ACTIVE PRESSURE): 45 PCF EQUIVALENT FLUID PRESSURE, TRIANGULAR DISTRIBUTION + 100 PSF SURCHARGE, RECTANGULAR DISTRIBUTION.
9. BACKFILL AGAINST WALLS:
   A. INTERIOR FACE OF SHALLOW FOUNDATIONS WALLS:
      i. CLSM OR IMPERVIOUS FILL (COMPACTED IN 6" LIFTS TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN +/- 3% OPTIMUM MOISTURE CONTENT). OR
      ii. WELL GRADED GRANULAR MATERIAL (COMPACTED IN 6" LIFTS TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN +/- 2% OPTIMUM MOISTURE CONTENT); AT THE BOTTOM OF THE GRANULAR BACKFILL PLACE A 4" DIAMETER PERFORATED FOUNDATION DRAIN PIPE. PROVIDE A POSITIVE SLOPE TO DAYLIGHT OR TO SUMP
   B. EXTERIOR FACE OF SHALLOW FOUNDATION WALLS:
      i. CLSM OR IMPERVIOUS FILL (COMPACTED IN 6" LIFTS TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN +/- 3% OPTIMUM MOISTURE CONTENT). OR
      ii. WELL GRADED GRANULAR MATERIAL (COMPACTED IN 6" LIFTS TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN +/- 2% OPTIMUM MOISTURE CONTENT); AT THE BOTTOM OF THE GRANULAR BACKFILL PLACE A 4" DIAMETER PERFORATED FOUNDATION DRAIN PIPE. PROVIDE A POSITIVE SLOPE TO DAYLIGHT OR TO SUMP
   C. RETAINED SIDE OF CANTILEVERED RETAINING WALLS:
      i. MINIMUM 3 FT WIDE ZONE OF FREE DRAINING GRANULAR FILL (COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN +/- 2% OPTIMUM MOISTURE CONTENT) UP TO WITHIN 24 INCHES OF THE FINISHED GRADE. TOP 24" OF BACKFILL SHALL BE COMPACTED CLAYEY MATERIAL. AT THE BOTTOM OF THE GRANULAR MATERIAL, PLACE A [**4"**] DIAMETER PERFORATED FOUNDATION DRAIN PIPE WITH POSITIVE DRAINAGE TO SUMP OR TO DAYLIGHT.
10. ENGINEERED FILL BENEATH FOOTINGS: MINIMUM COMPACTION 98% STANDARD PROCTOR MAXIMUM DRY DENSITY WITHIN +/- 3% OPTIMUM MOISTURE CONTENT.
11. FILL BELOW FLOOR SLABS:
    A. SUBGRADE: PROOF ROLL TOP 12" OF SUBGRADE BELOW INTERIOR SLAB TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY WITHIN +/- 3% OPTIMUM MOISTURE CONTENT PRIOR TO PLACEMENT OF BASE COURSE.
    B. BASE COURSE: [**4"**] OF WELL GRADED GRANULAR MATERIAL BELOW FLOOR SLAB COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY WITHIN +/- 2% OPTIMUM MOISTURE CONTENT.
12. FILL AT UTILITY TRENCHES BELOW FOOTINGS, EXCAVATED PRIOR TO FOOTING CONSTRUCTION.
    A. BACKFILL TRENCHES UNDER FOOTINGS AND WITHIN 18 INCHES OF BOTTOM OF FOOTINGS WITH CLSM TO THE BOTTOM OF FOOTING ELEVATION.
    B. BACKFILL TRENCHES EXCAVATED UNDER FOOTINGS AND MORE THAN 18 INCHES BELOW BOTTOM OF FOOTINGS WITH CLSM OR OTHER FILL MATERIAL APPROVED BY GEOTECHNICAL ENGINEER.
13. FILL AT UTILITY TRENCHES BELOW FOOTINGS, EXCAVATED AFTER FOOTING CONSTRUCTION.
    A. BACKFILL TRENCHES EXCAVATED UNDER EXISTING FOOTINGS WITH CLSM TO THE BOTTOM OF FOOTING ELEVATION.
14. SEAL UTILITY TRENCH AT THE EXTERIOR FOUNDATION WALL BY USING A COMPACTED IMPERVIOUS FILL OR CLSM TO CREATE A DAM TO PREVENT ENTRY OF WATER.
15. FINISHED GRADE SHALL SLOPE AWAY FROM THE PERIMETER FOUNDATION
16. EXCAVATIONS:
    A. EXCAVATIONS IN THE VICINITY OF EXISTING FOUNDATIONS SHALL BE PERMITTED WITHOUT ANY SPECIAL MEASURES AS LONG AS THE BOTTOM NEAR EDGE OF THE EXCAVATION IS ABOVE A LINE WITH SLOPE OF 2 HORIZONTAL TO 1 VERTICAL EXTENDING OUTWARD AND DOWNWARD FROM THE NEAREST BOTTOM CORNER OF THE EXISTING FOUNDATION.
    B. EXCAVATIONS IN THE VICINITY OF EXISTING FOUNDATIONS WITH THE BOTTOM NEAR EDGE OF THE EXCAVATION BELOW A LINE WITH SLOPE OF 2 HORIZONTAL TO 1 VERTICAL EXTENDING OUTWARD AND DOWNWARD FROM THE NEAREST BOTTOM CORNER OF THE EXISTING FOUNDATION SHALL BE MADE ONLY WITH THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE PROJECT GEOTECHNICAL ENGINEER. SUCH EXCAVATIONS MAY REQUIRE SPECIAL TEMPORARY EXCAVATION BRACING OR UNDERPINNING OF EXISTING FOUNDATIONS, WHICH IS THE RESPONSIBILITY OF THE CONTRACTOR AS PART OF ITS SELECTED MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES. CONTRACTOR SHALL SUBMIT TEMPORARY EXCAVATION BRACING AND UNDERPINNING DETAILS PRIOR TO EXCAVATION. CONTRACTOR SHALL PERFORM THESE EXCAVATIONS WITH CAUTION SO AS NOT TO UNDERMINE ANY EXISTING STRUCTURE FOUNDATIONS, AND EXCAVATIONS SHALL BE MADE IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
17. UTILITY TRENCHES PARALLEL TO FOOTINGS AND WITH PIPES BELOW THE BOTTOM OF FOOTING ELEVATION MUST BE LOCATED SO THAT THE SLOPE BETWEEN THE PIPE INVERT ELEVATION AND THE NEAREST BOTTOM CORNER OF THE FOOTING IS A MINIMUM OF 2 HORIZONTAL TO 1 VERTICAL.

CAST-IN-PLACE CONCRETE (03-30-00)

1. CONCRETE MIXTURES: REFER TO CONCRETE MIXTURE REQUIREMENTS TABLE FOR CONCRETE MIX INFORMATION.
2. CONCRETE MATERIALS:
   A. CEMENTITIOUS MATERIALS
      i. PORTLAND CEMENT: ASTM C150, TYPE I.
      ii. BLENDED HYDRAULIC CEMENT: ASTM C595, TYPE IL, PORTLAND LIMESTONE CEMENT
      iii. FLY ASH: ASTM C618, CLASS F OR C. FLY ASH SHALL NOT EXCEED 25% OF TOTAL CEMENTITIOUS CONTENT BY MASS.
      iv. GROUND GRANULATED BLAST FURNACE SLAG: ASTM C989, GRADE 100 OR 120. COMBINATION SLAG AND FLY ASH SHALL NOT EXCEED 50% OF TOTAL CEMENTITIOUS CONTENT BY MASS.
   B. AGGREGATES:
      i. NORMAL WEIGHT AGGREGATES: ASTM C33, COARSE GRADED.
   C. ADMIXTURES: ADMIXTURES CONTAINING CHLORIDE ARE NOT PERMITTED IN REINFORCED CONCRETE OR CONCRETE CONTAINING METALS.
      i. WATER REDUCING ADMIXTURE: ASTM C494.
      ii. PLASTICIZING ADMIXTURE: ASTM C1017.
      iii. AIR ENTRAINING ADMIXTURE: ASTM C260.
   D. WATER: ASTM C94 AND POTABLE
3. DETAILING REQUIREMENTS
   A. CAST IN CONTINUOUS DOVETAIL ANCHOR SLOTS ON VERTICAL SURFACES WHERE MASONRY ABUTS; 24" O.C. FOR PARALLEL SURFACES AND AT CENTERLINE OF MASONRY FOR PERPENDICULAR WALLS. USE DUR-O-WAL OR WIREBOND DOVETAIL SLOTS.
   B. FINISH OF CONCRETE HANDICAP RAMPS TO CONFORM WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
   C. CONTRACTION JOINTS IN SLABS ON GROUND SHALL NOT EXCEED A LENGTH TO WIDTH RATIO OF 1.5:1. SEE PLAN FOR MAXIMUM JOINT SPACING.
   D. CONSTRUCTION JOINTS IN SLABS ON GROUND MAY BE LOCATED AT ANY CONTRACTION JOINT LOCATION. SEE DRAWINGS FOR TYPICAL DETAILS.
   E. PROVIDE 3/4" CHAMFER AT CORNERS OF EXPOSED CONCRETE.
   F. PROVIDE CONTRACTION/CONSTRUCTION JOINTS IN CONCRETE WALLS AT A MAXIMUM SPACING OF TWICE THE HEIGHT OF THE WALL ABOVE THE TOP OF FOOTING. MAXIMUM JOINT SPACING SHALL NOT EXCEED 24 FT. CONTRACTION JOINTS SHALL HAVE A 1-1/2" DEEP BY 3/4" WIDE TAPERED REVEAL EACH SIDE OF THE WALL. AT CONTRACTION JOINTS, EVERY OTHER HORIZONTAL BAR SHALL BE CUT BACK 1-1/2" FROM THE CONTRACTION JOINT. CONSTRUCTION JOINTS SHALL BE FORMED SIMILAR TO CONTRACTION JOINTS. AT CONSTRUCTION JOINTS, ALL HORIZONTAL STEEL SHALL BE DISCONTINUOUS AND A DOWEL BAR OF SIZE AND SPACING TO MATCH THE HORIZONTAL REINFORCING SHALL BE EMBEDDED A MINIMUM OF 40 BAR DIAMETERS EACH SIDE OF THE CONSTRUCTION JOINT. SEE ARCHITECTURAL DRAWINGS FOR ARCHITECTURAL JOINT TREATMENT.
   G. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE UNLESS EFFECTIVELY COATED TO PREVENT ALUMINUM-CONCRETE REACTION OR ELECTROLYTIC ACTION BETWEEN ALUMINUM AND STEEL.
   H. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR VAPOR BARRIER REQUIREMENTS. VAPOR BARRIER, WHERE REQUIRED, SHALL BE PLACED OVER GRANULAR BASE.
4. CONCRETE PLACEMENT
   A. DO NOT BACKFILL AGAINST RETAINING WALLS UNTIL CONCRETE STRENGTH HAS REACHED 0.75 f'c AND A MINIMUM OF 7 DAYS.
   B. ROUGHENED SURFACES, WHERE INDICATED, SHALL EITHER BE:
      i. ROUGHENED TO A FULL AMPLITUDE OF APPROXIMATELY 1/4" AND BE CLEAN AND FREE OF LAITANCE.:
      ii. FORMED BY EXPANDED METAL LEAVE-IN-PLACE MESH. SUBMIT PRODUCT INFORMATION FOR APPROVAL.
5. PERFORMANCE
   A. CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306.1-90 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 306R-16 "GUIDE TO COLD WEATHER CONCRETING".
   B. CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 305.1-14 "SPECIFICATION FOR HOT WEATHER CONCRETING" AND ACI 305R-10 "GUIDE TO HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND SPEED SHALL BE ENTERED INTO NOMOGRAPH FIGURE 4.2 IN ACI 305R-10 TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.
   C. TOLERANCES: CONFORM TO ACI 117-10
   D. INTERIOR SLAB FINISHING AND CURING
      i. FINISH: MACHINE TROWEL FINISH FLOOR SLAB UNLESS NOTED OTHERWISE.
      ii. CURING: "CURE AND SEAL" LIQUID MEMBRANE FORMING CURING COMPOUND (ASTM C1315, TYPE 1, CLASS A, VOC COMPLIANT) OR MOISTURE-RETAINING COVER (ASTM C171) POLYETHYLENE FILM OR CURING PAPER CONSISTING OF TWO LAYERS OF FIBERED KRAFT PAPER LAMINATED WITH DOUBLE COATING OF ASPHALT.
   E. EXTERIOR SLAB FINISHING AND CURING:
      i. FINISH: LIGHT BROOM FINISH
      ii. CURING: UV RESISTANT ACRYLIC "CURE AND SEAL" LIQUID MEMBRANE FORMING CURING COMPOUND (ASTM C1315, TYPE 1, CLASS A).
   F. FLOOR SLAB-ON-GRADE SHALL CONFORM TO THE FOLLOWING SURFACE PROFILE TOLERANCES PER ASTM E-1155 AND ACI 117-10 (Ff = FLOOR FLATNESS, Fl = FLOOR LEVELNESS):
      i. SPECIFIED OVERALL VALUE Ff = 25, Fl = 20
      ii. MINIMUM LOCAL VALUE Ff = 17, Fl = 15
6. SUBMITTALS:
   A. CONSTRUCTION JOINT LAYOUT
   B. CONCRETE MIX DESIGNS: CONCRETE MIX DESIGNS INCLUDING PRODUCT DATA FOR ALL CONSTITUENTS AND ADMIXTURES SHALL BE SUBMITTED FOR EACH TYPE OF CONCRETE TO THE STRUCTURAL ENGINEER FOR APPROVAL IN ACCORDANCE WITH ACI 301-16 FIELD TEST DATA OR TRIAL MIXTURES. SUBMITTAL DATA MUST INCLUDE FIELD TEST DATA FROM AT LEAST 10 TESTS OR A THREE POINT CURVE GENERATED USING TRIAL MIXTURES.
   C. PRODUCT DATA FOR CURING MATERIALS
   D. FLOOR FLATNESS AND LEVELNESS MEASUREMENT REPORTS INDICATING COMPLIANCE WITH SPECIFIED TOLERANCES.
7. QUALITY ASSURANCE
   A. CONCRETE WORK AND TESTING, AS PERFORMED BY "QUALIFIED FIELD TESTING TECHNICIANS" AND "QUALIFIED LABORATORY TECHNICIANS", SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-16, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS ABOVE. REPORTS FROM TESTS REQUIRED BY SECTION 1.6 OF ACI 301-16 SHALL BE SUBMITTED TO STRUCTURAL ENGINEER, ARCHITECT, OWNER, CONTRACTOR, CONCRETE SUPPLIER, AND BUILDING OFFICIAL.

CONCRETE REINFORCING (03-20-00)

1. MATERIALS
   A. DEFORMED BARS: ASTM A615, GRADE 60.
   B. WELDED WIRE REINFORCEMENT: ASTM A1064, FLAT SHEETS ONLY.
2. REINFORCING DEVELOPMENT AND LAP SPLICES (UNLESS OTHERWISE NOTED)
   A. WELDED WIRE REINFORCEMENT: LAP WELDED WIRE REINFORCEMENT MINIMUM 1 FULL SPACE PLUS 2".
   B. SEE REINFORCING BAR DEVELOPMENT TABLES FOR REQUIRED DEVELOPMENT AND LAP SPLICE LENGTHS.
3. DETAILING REQUIREMENTS
   A. AT SLAB AND WALL OPENING CORNERS AND REENTRANT CORNERS, PROVIDE (1) #5 BAR IN EACH FACE PARALLEL TO EACH EDGE EXTENDING A MINIMUM OF 2'-0" PAST EDGE OF OPENING. THIS STEEL MAY BE OMITTED IF TYPICAL WALL STEEL EXCEEDS THIS MINIMUM REQUIREMENT.
   B. REINFORCE ALL INTERIOR SLABS ON GROUND WITH 6 X 6 - W2.9 X W2.9 (42#) WELDED WIRE REINFORCEMENT. LOCATE WELDED WIRE REINFORCEMENT 2" CLEAR BELOW TOP OF SLAB.
4. PERFORMANCE
   A. COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR PLACING AND SUPPORTING REINFORCEMENT.
   B. REINFORCING BARS SHALL HAVE CLEAR COVER AS INDICATED ON THE DRAWINGS. WHERE NOT INDICATED, PROVIDE MINIMUM CLEAR COVER PER ACI-318.
   C. REINFORCING BARS SHALL BE FREE OF DIRT AND FORM RELEASE AGENTS.
5. SUBMITTALS
   A. SHOP DRAWINGS FOR REINFORCING STEEL (COMPLY WITH ACI SP-066):

STRUCTURAL STEEL

1. MATERIALS (UNLESS NOTED OTHERWISE):
   A. W AND WT SHAPES: ASTM A992, Fy = 50 KSI
   B. L SHAPES: ASTM A572, GRADE 50, Fy = 50 KSI
   C. PLATES AND BARS (THICKNESS ≤ 4 INCHES): ASTM A572, GRADE 50, Fy = 50 KSI
   D. PLATES AND BARS (THICKNESS > 4 INCHES): ASTM A36, Fy = 36 KSI
   E. HSS SHAPES: ASTM A500, GRADE C, Fy = 50 KSI
   F. BOLTS: ASTM F3125, GRADE A325-N, 3/4" DIAMETER (UNLESS NOTED OTHERWISE)
   G. ANCHOR RODS (TYPICAL): ASTM F1554, GRADE 36
   H. ANCHOR RODS (PRESSURE TREATED LUMBER SILLS): SEE "WOOD" SECTION OF GENERAL STRUCTURAL NOTES
   I. THREADED RODS: ASTM A36
   J. HEADED STUD SHEAR CONNECTORS (COMPOSITE BEAMS AND EMBED PLATES): ASTM A108 AND AWS D1.1, CHAPTER 7, TYPE B.
   K. WELDS: AWS E70XX, LOW HYDROGEN ELECTRODES.
   L. NON-SHRINK NON-METALLIC GROUT: CRD-C-621 AND ASTM C1107 FOR INTERIOR AND EXTERIOR APPLICATIONS, FLUID TYPE.
      i. LIMIT GYPSUM CONTENT TO 1.5% MAXIMUM AT EXTERIOR APPLICATIONS.
2. ALL DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO AISC SPECIFICATIONS FOR "DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION
3. FABRICATOR QUALIFICATIONS: STRUCTURAL STEEL FABRICATOR SHALL PARTICIPATE IN THE AISC QUALITY CERTIFICATION PROGRAM, AND SHALL BE DESIGNATED AS AN AISC-CERTIFIED PLANT, CATEGORY STD.
4. SUBMITTALS
   A. STRUCTURAL STEEL SHOP DRAWINGS
   B. DELEGATED CONNECTION DESIGN SUBMITTAL(S): FOR STRUCTURAL-STEEL CONNECTIONS INDICATED TO COMPLY WITH DESIGN LOADS, INCLUDE THE FOLLOWING DOCUMENTS SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE THE PROJECT IS LOCATED IN AND RESPONSIBLE FOR THEIR PREPARATION:
      i. REPRESENTATIVE SAMPLES OF SUBSTANTIATING CONNECTION INFORMATION FOR EACH CONNECTION TYPE. REPRESENTATIVE SAMPLES SHALL BE SUBMITTED PRIOR TO PREPARATION OF STEEL SHOP DRAWINGS.
      ii. SUBSTANTIATING CONNECTION INFORMATION (INCLUDING COMPREHENSIVE ANALYSIS DATA).
      iii. LETTER STATING THAT CONNECTIONS DETAILED IN THE SHOP DRAWINGS ARE IN CONFORMANCE WITH THE DESIGN COMPLETED BY A LICENSED ENGINEER WORKING FOR THE FABRICATOR.
   C. MISC. METAL SHOP DRAWINGS (STAIRS, RAILINGS AND LADDERS INCLUDING ATTACHMENT TO THE PRIMARY STRUCTURE), INCLUDING ANALYSIS DATA, SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
5. CONNECTIONS:
   A. CONNECTIONS SHALL BE DESIGNED BY A LICENSED ENGINEER WORKING FOR THE FABRICATOR (AISC 303-22, OPTION 3), UNLESS NOTED OTHERWISE. CONNECTIONS SHALL BE DESIGNED FOR THE LOADS AND FORCES PROVIDED IN THE STRUCTURAL DRAWINGS. CONNECTIONS LOADS AND FORCES PROVIDED IN THE DRAWINGS WERE DETERMINED USING (ASD) LOAD COMBINATIONS.
   B. BOLTED CONNECTIONS ARE TO BE INSTALLED SNUG TIGHT UNLESS OTHERWISE NOTED.
   C. DESIGN COLUMN-TO-BASE PLATE CONNECTION FOR THE LARGER OF THE SPECIFIED REACTIONS (IF INDICATED), AND MINIMUM ERECTION FORCES REQUIRED BY OSHA.
   D. FIELD CONNECTIONS SHALL BE BOLTED EXCEPT WHERE WELDED CONNECTIONS ARE INDICATED ON THE STRUCTURAL DRAWINGS.
   E. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS D1.1:2010)
      i. HEADED STUD SHEAR CONNECTORS SHALL BE WELDED WITH AUTOMATICALLY TIMED STUD WELDING EQUIPMENT. FILLET WELDS ARE NOT PERMITTED.
6. PAINT AND PROTECTION:
   A. STRUCTURAL STEEL SURFACES: TO RECEIVE SPRAY-ON FIREPROOFING, RECEIVE COMPOSITE SHEAR STUDS, OR ENCASED IN CONCRETE: NO PAINT. PREPARE UNPAINTED STEEL SURFACES PER SSPC-SP2 "HAND TOOL CLEANING".
   B. STEEL SURFACES UNLESS NOTED OTHERWISE: PREPARE SURFACES PER SSPC-SP3 "POWER TOOL CLEANING" AND PAINT WITH FABRICATOR'S STANDARD PRIME COAT.
      i. DO NOT PAINT PORTIONS OF MEMBERS TO BE ENCASED IN CONCRETE, TO RECEIVE FIREPROOFING, OR TO RECEIVE COMPOSITE SHEAR CONNECTORS.
      ii. IMMEDIATELY AFTER ERECTION, CLEAN EXPOSED AREAS WHERE PRIMER IS DAMAGED OR MISSING, PREPARE SURFACES BY SSPC-SP2 OR SSPC-SP3, AND PAINT WITH MATCHING SHOP PRIME COAT.
   C. MEMBERS EXPOSED TO WEATHER IN FINISHED STRUCTURE, LOOSE LINTELS, AND RELIEVING ANGLES:
      i. HOT DIP GALVANIZE PER ASTM A123 AFTER FABRICATION. COATING WEIGHT PER PARAGRAPH 5.1 OF ASTM A123 AND A153. FABRICATE ASSEMBLIES PER ASTM A143, A384, AND A385. AFTER ERECTION, REPAIR DAMAGED AREAS AND WELDS MADE AFTER GALVANIZING IN ACCORDANCE WITH ASTM A780 WITH ORGANIC ZINC RICH PAINT COMPLYING WITH DOD-P-21035 OR MIL-P-26915, MULTIPLE COATS TO DRY FILM THICKNESS OF 4 MILS. FILL EXPOSED VENT AND DRAIN HOLES, NOT INDICATED AS WEEP HOLES, BY PLUGGING WITH ZINC SOLDER AND FILING OFF SMOOTH.
   D. MEMBERS ENCASED IN CONCRETE: PROVIDE 3" MINIMUM CONCRETE COVER FOR ALL STEEL BELOW GRADE.
7. AT COLUMNS, BEAMS FRAMING INTO THE OPPOSITE SIDES OF THE SAME GIRDER OR COLUMN WEB SHALL HAVE EITHER ERECTION SEAT ANGLES OR SHALL HAVE SHEAR CONNECTIONS THAT ALLOW ERECTION OF EACH BEAM INDEPENDENTLY WITH AT LEAST ONE NON-COMMON BOLT.

WOOD - ROUGH CARPENTRY

1. WOOD FRAMING MATERIALS:
   A. DIMENSION LUMBER FRAMING - INTERIOR APPLICATIONS:
      i. 2x4 AND 2x6 (TYPICAL): NO. 2 GRADE OR BETTER SPRUCE PINE FIR KILN DRIED.
      ii. 2x8 AND DEEPER (TYPICAL): NO. 2 GRADE OR BETTERSPRUCE PINE FIR KILN DRIED.
   B. DIMENSION FRAMING LUMBER (EXTERIOR APPLICATIONS): AWPA USE CATEGORY UC3B FOR ABOVE GROUND EXTERIOR FRAMING, AWPA USE CATEGORY UC4A FOR GROUND CONTACT:
      i. 2x4 AND DEEPER: NO. 1 GRADE OR BETTER PRESERVATIVE TREATED SOUTHERN PINE.
      ii. 6x6: NO. 2 GRADE OR BETTER PRESERVATIVE TREATED SOUTHERN PINE.
   C. LVL (LAMINATED VENEER LUMBER): WEYERHAUSER "MICROLLAM". SUBSTITUTES MEETING THE FOLLOWING MINIMUM PROPERTIES MAY BE CONSIDERED:
      i. BEAMS:
         Fb = 2600 PSI BENDING
         Fv = 285 PSI HORIZONTAL SHEAR
         Fc = 2500 PSI COMPRESSION PARALLEL TO GRAIN
         Fc⊥ = 750 PSI COMPRESSION PERPENDICULAR TO GRAIN
         E = 2,000,000 PSI MODULUS OF ELASTICITY
         Emin = 1,0156,535 PSI
2. ANCHORS AND FASTENERS:

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PROGRESS REVIEW ONLY NOT FOR CONSTRUCTION

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Schaefer Project Number: 23-2168

SALEM AVENUE SENIOR COMMUNITY
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2245 North Bank Drive Columbus, Ohio 43220

NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : BIDDING
DATE : 01/06/2026

GENERAL NOTES

S001

1/15/2026 9:55:58 AM

A. ANCHOR RODS: ASTM F1554, GRADE 36 ANCHOR RODS WITH NUTS AND WASHERS, HOT DIP GALVANIZED PER ASTM F2329 OR ASTM A153 (TYPICAL). STAINLESS STEEL OR HOT DIP GALVANIZED ANCHORS ARE NOT REQUIRED FOR INTERIOR APPLICATIONS USING BORATE PRESERAVTIVE TREATMENT ONLY.

B. NAILS: ASTM F1667. FOR EXTERIOR APPLICATIONS, PRESERVATIVE TREATED OR FIRE RETARDANT TREATED MATERIALS, HOT DIP GALVANIZE PER ASTM F2329 OR ASTM A 153. WHERE PENNYWEIGHTS ARE INDICATED, CONTRACTOR SHALL CONFIRM NAIL SIZES INDICATED ON DRAWINGS AND NOTES MEET THE FOLLOWING DIAMETER AND LENGTH REQUIREMENTS. PNEUMATIC GUN NAILS SHALL MEET THESE DIAMETER AND LENGTH REGARDLESS OF THE NAIL SIZE INDICATED BY THE MANUFACTURER:
   i. 8d = 0.131" DIA, 2 ½" LG.
   ii. 10d = 0.148" DIA, 3" LG.
   iii. 16d = 0.162" DIA, 3 ½" LG.

C. WOOD SCREWS:
   i. #8= 0.164" DIA.
   ii. #10= 0.19" DIA.
   iii. #12= 0.216" DIA.

D. LAG SCREWS:
   i. PROVIDE STANDARD WASHER BETWEEN HEAD TO WOOD CONNECTION.
   ii. PREBORE HOLES PRIOR TO INSTALLATION.

3. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE MADE PER TABLE 2304.10.1 "FASTENING SCHEDULE", IN REFERENCED BUILDING CODE.

4. ALL CONNECTION HARDWARE SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL BE MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, SHALL BE FASTENED AS SPECIFIED IN THE SIMPSON PRODUCT AND INSTRUCTION MANUAL, AND ARE BASED ON THEIR CATALOG PUBLISHED CAPACITIES. ALL CONNECTORS SHALL BE INSTALLED USING THE MAXIMUM NAILING SPECIFIED AND PROPER NAIL SIZE UNLESS NOTED OTHERWISE.

   A. EXTERIOR APPLICATIONS, PRESERVATIVE TREATED, OR FIRE RETARDANT TREATED MATERIALS: ZMAX (G185), OR HOT DIPPED GALVANIZED. G60 AND G90 COATED PRODUCTS ARE NOT PERMITTED. ONLY USE GALVANIZED FASTENERS WITH ZMAX AND HOT DIP GALVANIZED CONNECTORS.

   B. INTERIOR DRY APPLICATIONS WITH BORATE PRESERVATIVE TREATED MATERIALS: G90 COATED MINIMUM.

5. ALL BEARING POINTS FROM CONCENTRATED LOADS SHALL BE CONTINUOUSLY BLOCKED THRU FLOOR FRAMING DOWN TO SOLID BEARING ON FOUNDATION WALL SILL PLATE OR INTERIOR STEEL BEAM.

6. PROVIDE DOUBLE JOISTS BELOW ALL INTERIOR PARTITIONS THAT RUN PARALLEL WITH THE JOISTS (SPREAD JOISTS AS NECESSARY TO ACCOMMODATE PLUMBING).

7. PROVIDE A STUD AT ALL TOP PLATE SPLICE LOCATIONS.

8. NOTCHES IN EXTERIOR WALL OR INTERIOR BEARING WALL STUDS ARE NOT TO EXCEED ONE-FOURTH OF THE STUD WIDTH, AND NO HOLES ARE TO BE BORED GREATER THAN 40% OF THE STUD WIDTH OR WITHIN 5/8" OF STUD EDGE.

9. NOTCHES IN FLOOR JOISTS AND ROOF RAFTERS SHALL NOT BE LOCATED IN THE MIDDLE ONE-THIRD OF THE SPAN. DEPTH OF NOTCHES IN THE TOP OR BOTTOM OF THE MEMBER ARE NOT TO EXCEED ONE-SIXTH OF THE MEMBER DEPTH, AND LENGTH SHALL NOT EXCEED ONE-THIRD OF MEMBER DEPTH. HOLES SHALL NOT BE BORED LARGER THAN ONE-THIRD OF THE MEMBER DEPTH, OR WITHIN TWO INCHES OF THE TOP OR BOTTOM OF THE MEMBER, OR WITHIN TWO FEET OF BEARING. NO HOLES OR NOTCHES ARE ALLOWED IN BEAMS UNLESS APPROVED BY ENGINEER.

10. ALL MULTIPLE HEADERS AND BEAMS WITH DEPTH LESS THAN 14 INCHES SHALL BE FASTENED TOGETHER WITH MINIMUM (3) ROWS OF 0.148"Ø x3" LONG NAILS AT 12" O.C., STAGGERED ON OPPOSITE SIDES. FOR DEPTHS EQUAL TO OR GREATER THAN 14 INCHES, FASTEN TOGETHER WITH (4) ROWS OF 0.148"Ø x3" LONG NAILS AT 12"O.C. FOR FOUR OR MORE PLY BEAMS, THRU-BOLT WITH 1/2" DIAMETER BOLTS AT 12" O.C. STAGGERED TOP AND BOTTOM. ALL SIDE LOADED BEAMS SHALL BE THRU-BOLTED.

11. THE FOLLOWING IS THE ANTICIPATED CUMULATIVE SHRINKAGE IN THE WOOD STRUCTURE AT EACH FINISHED FLOOR LEVEL:

FLOOR LEVEL	ESTIMATED CUMULATIVE SHRINKAGE
2ND FLOOR	1/4"
3RD FLOOR	1/2"
ROOF	3/4"

BUILDING TRADES SHALL INSTALL EQUIPMENT (PLUMBING, MECH, ELEC…, etc) SUCH THAT BUILDING SHRINKAGE WILL NOT ADVERSELY AFFECT EQUIPMENT.

WOOD - SHOP FABRICATED TRUSSES

1. ENGAGE A QUALIFIED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE THAT THE PROJECT IS LOCATED IN, TO SERVE AS THE SPECIALTY ENGINEER FOR THE DESIGN OF METAL-PLATE-CONNECTED WOOD TRUSSES.

2. DESIGN LOADS (SEE DESIGN LOAD SECTION OF GENERAL NOTES):

   A. SPECIFIED LOADS ARE UNFACTORED AND SHALL BE FACTORED ACCORDING TO THE ALLOWABLE STRESS DESIGN LOAD COMBINATIONS IN SECTION 1605 OF THE IBC.

   B. ROOF TRUSSES SHALL BE DESIGNED FOR A MINIMUM NET UPLIFT OF 10PSF (ALLOWABLE STRESS DESIGN) APPLIED TO THE TOP CHORD AS AN ADDITIONAL SEPARATE LOAD COMBINATION.

   C. SNOW LOADS SHALL BE CONSIDERED UNBALANCED PER ASCE 7, SECTION 1605

3. PERFORMANCE REQUIREMENTS. DESIGN TRUSSES TO WITHSTAND SPECIFIED DESIGN LOADS WITHOUT DEFLECTIONS GREATER THAN THE FOLLOWING.

   A. FLOOR TRUSSES: VERTICAL DEFLECTION OF THE LESSER OF 3/4" AND L/480 OF THE SPAN FOR LIVE LOADS, AND L/240 OF THE SPAN FOR TOTAL LOADS.

   B. ROOF TRUSSES: VERTICAL DEFLECTION OF L/360 OF THE SPAN FOR ROOF LIVE, SNOW, OR WIND LOADS, AND L/240 OF THE SPAN FOR TOTAL LOADS.

   C. HORIZONTAL DEFLECTIONS: LIMIT HORIZONTAL DEFLECTION AT SUPPORTS TO 1/2"

4. DESIGN SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

   A. TRUSS PLATE INSTITUTE (TPI) ANSI/TPI 1-2014, "NATIONAL DESIGN STANDARDS FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION"

   B. AF&PA "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION AND ITS SUPPLEMENT"

5. TRUSS BRACING: ALL BRACES (TEMPORARY AND PERMANENT) SHALL BE SUPPLIED BY THE TRUSS MANUFACTURER.

   A. TEMPORARY BRACING: TEMPORARY TRUSS BRACING SHALL BE DESIGNED BY THE SPECIALTY ENGINEER. TRUSSES UNDER 60 FEET LONG MAY HAVE TEMPORARY BRACING IN ACCORDANCE WITH "BCSI–B1 — GUIDE FOR HANDLING, INSTALLING, AND BRACING OF TRUSSES" BY THE STRUCTURAL BUILDING COMPONENTS ASSOCIATION UNLESS MORE STRINGENT BRACING IS REQUIRED BY THE TRUSS MANUFACTURER.
      i. BRACING SHALL REMAIN IN PLACE TO SERVE AS PART OF THE PERMANENT BRACING SYSTEM DESIGNED BY THE SPECIALTY ENGINEER.
      ii. TEMPORARY BRACING IN THE PLANE OF THE TOP CHORD MAY ONLY BE REMOVED WHEN THE TOP CHORD IS LATERALLY BRACED BY THE ROOF SHEATHING.

   B. PERMANENT BRACING:
      i. BOTTOM CHORD SHALL BE DESIGNED AS UNBRACED FOR A LENGTH EQUAL TO THE SPACING BETWEEN BOTTOM CHORD BRACES.
      ii. LAP SPLICE PERMANENT TRUSS BRACING A MINIMUM OF ONE TRUSS SPACE

6. CONNECTIONS AND HARDWARE:

   A. SPECIALTY ENGINEER SHALL DESIGN ALL TRUSS TO TRUSS AND TRUSS TO BEAM CONNECTIONS AND SHALL SPECIFY ALL HANGERS.

   B. FOR ROOF TRUSSES: TO ACCOMMODATE TRUSS UPLIFT CONDITIONS, INSTALL SIMPSON DTC ROOF TRUSS CLIPS TO BOTTOM CHORD OF ALL ROOF TRUSSES, AND NAILED TO THE TOP PLATE OF ALL PERPENDICULAR NON-LOADBEARING STUD WALLS BELOW. DO NOT PLACE CEILING DRYWALL FASTENERS INTO TRUSSES WITHIN 16 INCHES OF STUD WALLS.

7. AT HIP ROOFS WHERE STEP DOWN TRUSSES ARE USED TO FRAME THE HIP, A MANUFACTURED HIP FILLER TRUSS OR 2X4 BLOCKING SHALL BE INSTALLED BETWEEN THE STEP DOWN TRUSSES ALONG THE HIP LINES TO SUPPORT THE FREE EDGES OF THE ROOF SHEATHING.

8. AT FLOOR TRUSSES, PROVIDE 2x8 STRONGBACKS @ 10'-0" oc (MAX) APPLIED VERTICALLY TO TRUSS WEBS w/ (4) 0.148" DIA, 3" LONG NAILS. LAP STRONGBACKS (1) TRUSS SPACE (MIN).

9. SUBMITTALS:

   A. PRODUCT DATA FOR EACH TYPE OF PRODUCT.

   B. DELEGATED DESIGN SUBMITTAL, SIGNED AND SEALED BY THE SPECIALTY ENGINEER RESPONSIBLE FOR THEIR PREPARATION, INCLUDING COMPREHENSIVE ANALYSIS DATA AND SHOP DRAWINGS INCLUDING THE FOLLOWING.
      i. ANALYSIS DATA SHOWING SPECIFIED DESIGN LOADS AND PERMANENT BRACING DESIGN ASSUMPTIONS. INCLUDE ALL IMPOSED FORCES ON THE PRIMARY STRUCTURE.
      ii. ERECTION PLAN SHOWING LAYOUT, SPACING, AND SIZES OF ALL WOOD TRUSSES.
      iii. TRUSS ELEVATIONS SHOWING FABRICATION DATA FOR ALL TRUSS FRAMING ELEMENTS AND CLEARLY INDICATING PERMANENT BRACING REQUIREMENTS FOR WEB COMPRESSION AND BOTTOM CHORD MEMBERS.
      iv. FABRICATION, FASTENING AND ANCHORAGE DETAILS
      v. TEMPORARY ERECTION BRACING REQUIREMENTS AND HANDLING AND ERECTION INSTRUCTIONS.

WOOD - SHEATHING

1. MATERIALS:

   A. FLOOR SHEATHING (TYPICAL): 23/32" APA SPAN RATING 48/24 TONGUE & GROOVE, EXPOSURE 1 CLASSIFICATION.

   B. ROOF SHEATHING (TYPICAL): 19/32" APA SPAN RATING 40/20 ROOF SHEATHING, EXPOSURE 1 CLASSIFICATION.

   C. WALL SHEATHING (TYPICAL): 7/16" APA SPAN RATING 24/16 WALL SHEATHING, EXPOSURE 1. SEE SHEAR WALL SCHEDULE FOR SHEATHING AT SHEAR WALLS.

   D. WALL SHEATHING AT DECK LEDGERS: 7/16" APA SPAN RATING 24/16, PRESERVATIVE TREATED, EXTERIOR CLASSIFICATION.

2. SHEATHING INSTALLATION:

   A. NAIL SHEATHING TO WOOD FRAMING WITH 0.131" DIA, 3" LG NAILS AT 6 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. SEE SHEAR WALL SCHEDULE FOR SHEAR WALL FASTENING. STAPLES NOT PERMITTED FOR FASTENING APA RATED SHEATHING.

   B. SHEATHING AT ROOF FRAMING: INSTALL PANEL CLIP THAT CREATES AN 1/8" SPACE BETWEEN SHEATHING PANELS AT MIDSPAN OF EACH TRUSS/RAFTER SPACE ALONG UNSUPPORTED SHEATHING EDGES.

   C. SHEATHING AT WOOD FLOOR FRAMING:
      i. GLUE SHEATHING TO FLOOR FRAMING PRIOR TO NAILING. ADHESIVE SHALL COMPLY WITH APA AFG-01 OR ASTM D3498 AND BE APPROVED FOR USE WITH THE SPECIFIED SHEATHING PANEL. APPLY ADHESIVE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND COMPLETE NAILING BEFORE ADHESIVES SETS.
      ii. SEAL EDGE OF ALL CUT FLOOR SHEATHING WITH PAINT PRIMER.
      iii. SEAL ALL FLOOR SHEATHING WITH A WATER SEALER IMMEDIATELY AFTER FLOOR SHEATHING HAS BEEN INSTALLED AND PRIOR TO EXPOSURE OF RAIN.

POST INSTALLED ANCHORS

1. INSTALLATION: INSTALL ANCHORS PER EVALUATION REPORT AND MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).

2. CONNECTIONS TO EXISTING REINFORCED CONCRETE OR MASONRY: PRIOR TO DRILLING, VERIFY LOCATIONS OF EXISTING REINFORCING BARS USING A REBAR DETECTOR. NOTIFY ENGINEER PRIOR TO INSTALLATION IF ANCHOR LOCATIONS CONFLICT WITH EXISTING REINFORCING BARS. DO NOT DRILL THROUGH REINFORCING BARS.

3. TESTING AND INSPECTION: REFER TO EVALUATION REPORTS FOR ADDITIONAL TESTING AND INSPECTION REQUIREMENTS.

4. SUBSTITUTIONS: SUBSTITUTIONS COMPLYING WITH SPECIFIED ACCEPTANCE CRITERIA MAY BE CONSIDERED. SUBMIT EVALUATION REPORT DEMONSTRATING COMPLIANCE WITH GOVERNING CODE AND SPECIFIED ACCEPTANCE CRITERIA PRIOR TO INSTALLATION.

5. SCREW ANCHORS

   A. ANCHORAGE TO CONCRETE: SIMPSON STRONG-TIE "TITEN HD" (EVALUATION REPORT: ICC-ES ESR-2713). SUBSTITUTES COMPLYING WITH ACCEPTANCE CRITERIA ICC-ES AC193 AND ACI 355.2 FOR USE IN CRACKED CONCRETE MAY BE CONSIDERED.

   B. ANCHORAGE TO GROUT FILLED CONCRETE MASONRY: SIMPSON STRONG-TIE "TITEN HD" (EVALUATION REPORT: ICC-ES ESR-1056). SUBSTITUTES COMPLYING WITH ACCEPTANCE CRITERIA ICC-ES AC106 (INCLUDING SEISMIC TESTS) FOR SCREW ANCHORS IN MASONRY ELEMENTS MAY BE CONSIDERED.

SYMBOL LEGEND

SYMBOL	DESCRIPTION	REFERENCE
n	COLUMN LINE DESIGNATION	
n	EXISTING COLUMN LINE DESIGNATION	
n	FACE OF BUILDING	
Ln	LINTEL MARK	
Hn	HEADER MARK	
n	FOOTING MARK	
Pn	PIER MARK	
Gn	GRADE BEAM MARK	
BPn	BASE PL MARK	
Pn	PEDESTAL MARK	
SWn	SHEAR WALL MARK	
Wn	CMU VERTICAL WALL REINFORCING MARK	
Sn	CMU VERTICAL SHEAR WALL REINFORCING MARK	
Kn	KEYNOTE MARK	
	STEP T/FTG	
	SLAB STEP	
	ELEVATION INDICATION	
Dn	DECK MARK	

ABBREVIATIONS

NAME	DESCRIPTION
AFF =	ABOVE FINISHED FLOOR ELEVATION
ARCH =	ARCHITECT
B/ =	BOTTOM OF
BLDG =	BUILDING
BOT =	BOTTOM
BRG =	BEARING
CFS =	COLD-FORMED STEEL
CJ =	CONTRACTION JOINT
CJP =	COMPLETE JOINT PENETRATION
CL =	CENTER LINE
CLR =	CLEAR
CLSM =	CONTROLLED LOW STRENGTH MATERIAL
CMU =	CONCRETE MASONRY UNIT
COL =	COLUMN
CONC =	CONCRETE
CONT =	CONTINUOUS
DEG or ° =	DEGREE
DIA or ø =	DIAMETER
EA =	EACH
EF =	EACH FACE
EL =	ELEVATION
EMB =	EMBEDMENT
EOD =	EDGE OF DECK
EOS =	EDGE OF SLAB
EQ =	EQUAL
EXIST =	EXISTING
EXP =	EXPANSION
FDN =	FOUNDATION
FS =	FAR SIDE
FTG =	FOOTING
GA =	GAGE
GALV =	GALVANIZED
GT =	GIRDER TRUSS
HORIZ =	HORIZONTAL
JST BRG =	JOIST BEARING
Ld =	TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
Ld-CMU =	TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN GROUTED CMU
Ldc =	COMPRESSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
LDH =	LONG DIMENSION HORIZONTAL
Ldh =	HOOKED BAR TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
LDV =	LONG DIMENSION VERTICAL
LLH =	LONG LEG HORIZONTAL
LLV =	LONG LEG VERTICAL
Ls =	LAP SPLICE LENGTH OF REINFORCING BAR IN CONCRETE
Ls-CMU =	LAP SPLICE LENGTH OF REINFORCING BAR IN GROUTED CMU
Lsc =	COMPRESSION LAP SPLICE LENGTH OF REINFORCING BAR IN CONCRETE
LSL =	LAMINATED STRAND LUMBER
LVL =	LAMINATED VENEER LUMBER
MCJ =	MASONRY CONTROL JOINT
MFR =	MANUFACTURER
NS =	NEAR SIDE
oc =	ON CENTER
OPNG =	OPENING
OPP =	OPPOSITE
P/T =	POST-TENSION
PAF =	POWER-ACTUATED FASTENER
PE =	PRE-ENGINEERED
PEMB =	PRE-ENGINEERED METAL BUILDING
PJP =	PARTIAL JOINT PENETRATION
PL =	PLATE
PSL =	PARALLEL STRAND LUMBER
PT =	PRESSURE TREATED
RD =	ROOF DRAIN
REINF =	REINFORCING
RTU =	ROOF TOP UNIT
SDS =	SELF DRILLING SCREWS
SIM =	SIMILAR
SL =	STEP LEDGE
SOMD =	SLAB ON METAL DECK
SPA =	SPACE or SPACES
SRD =	SECONDARY ROOF DRAIN
STIFF =	STIFFENER
STL =	STEEL
STW =	STEP TOP OF WALL
T/ =	TOP OF
UNO =	UNLESS NOTED OTHERWISE
VB =	VERTICAL BRACING
VERT =	VERTICAL
VIF =	VERIFY IN FIELD
w/ =	WITH
WP =	WORK POINT

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Schaefer Project Number: 23-2168

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NATIONAL CHURCH RESIDENCES
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NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : BIDDING
DATE : 01/06/2026

GENERAL NOTES

S002

1/15/2026 9:55:59 AM

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS ARE REQUIRED BY SECTION 1704 OF THE REFERENCED BUILDING CODE. THE INTENT OF SPECIAL INSPECTIONS IS TO VERIFY THE COMPLIANCE OF MATERIALS, INSTALLATION, FABRICATION, ERECTION AND/OR PLACEMENT OF COMPONENTS WITH THE COMPLETED SET OF CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. IT IS THE RESPONSIBILITY OF ALL PARTIES INVOLVED TO BECOME FAMILIAR WITH THE SPECIAL INSPECTION REQUIREMENTS SET FORTH IN CHAPTER 17 OF THE REFERENCED BUILDING CODE. SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER OR THE OWNER'S AGENT AND SHALL NOT BE CONSIDERED IN THE SCOPE OF WORK OF THE CONTRACTOR.

   A. THE FOLLOWING SCHEDULE OF SPECIAL INSPECTIONS FOR STRUCTURAL WORK HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 106.1 AND 1704 OF THE REFERENCED BUILDING CODE. SEE OTHERS FOR SPECIAL INSPECTION REQUIREMENTS FOR NON-STRUCTURAL WORK. THE SPECIAL INSPECTOR(S) SHALL COORDINATE WITH THE OWNER, CONTRACTORS, AND DESIGN PROFESSIONALS AND SCHEDULE ALL INSPECTIONS ACCORDINGLY.

SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.3 CONCRETE CONSTRUCTION

Ite	Sub Item / Scope	Exten Cont.	Exten Periodic	Exten N/A	Agenc Qualification s	Comment
In-Plant Special Inspections (Precast Concrete)	**Fabrication and implementation procedures:** In addition to special inspections provided on site, provide special inspections indicated below on the premises of fabricator's shop. Verify that the fabricator maintains detailed fabrication and quality control procedures.			X	**As Noted Below**	Special inspections on the premises of the fabricator's shop are not required provided the fabricator is an ***Approved Fabricator*** in accordance with section 1704.2.5.1. Fabricator is required to submit documentation/certification that ~~they are an ***Approved Fabricator***~~
1. Reinforcing steel	**a. Mild Reinforcing Steel:** Inspect size, spacing, cover, positioning and grade of reinforcing steel: Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters. Verify welded wire fabric is supported per construction documents. Reference ACI 318: 20, 25.2, 25.3, 26.6-1-26.6-3, and IBC 1908.4.		X		**Testing**	
	b. Prestress Steel: Inspect size, spacing, cover, and position of prestressing tendons:		X		**Testing**	
2. Welding of Reinforcing Steel	a. Verify weldability of reinforcing bars other than ASTM A706. Reference ACI 318: 26.6.4 and AWS D1.4		X		**Testing**	
	b. Inspect single pass fillet welds, maximum 5/16"		X		**Testing Agency** AWS - Certified Welding Inspector	
	c. Inspect all other welds	X			**Testing Agency** AWS - Certified Welding Inspector	
3. Cast in Place Anchor Rods	Inspect size, position and embedment of cast in place bolts and anchor rods. Inspect concrete placement and consolidation around anchors. Reference ACI 318: 17.8.2		X		**Testing**	
4. Post Installed Anchors (Anchors installed in Hardened	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. Inspect type and size of anchor, concrete type and compressive strength, hole cleaning procedures, anchor embedment, anchor spacing and edge distances, and tightening torque (where applicable). Reference ACI 318: 17.8.2.4	X			**Testing**	Reference evaluation report (identified in project general notes) for additional inspection scope required by manufacturer.
	b. Mechanical anchors and adhesive anchors not defined in 4.a. Inspect type and size of anchor, concrete type and compressive strength, hole cleaning procedures, anchor embedment, anchor spacing and edge distances, and tightening torque (where applicable). Reference ACI 318: 17.8.2		X		**Testing**	
5. Mix	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.		X		**Testing**	
6. Sampling and Testing of Concrete	At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests as required by construction documents, and determine the temperature of concrete. Reference ASTM C 172, ASTM C31, ACI 318, 26.4.3, 26.4.4	X			**Testing**	
7. Concrete and Shotcrete Placement	Inspect concrete and shotcrete placement for proper application techniques. Reference ACI 318: 26.5 and IBC 1908.6, 1908.7, and 1908.8. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.	X			**Testing**	
8. Curing and Protection	Inspect for maintenance of specified curing temperature and techniques. Inspect cold weather and hot weather protection procedures as applicable. Reference ACI 318: 26.5.3-26.5.5		X		**Testing**	
9. Prestressed (Post-tensioned) Concrete	**a. Application of Prestressing Forces:** Inspect placement, stressing, grouting and protection of post-tensioning tendons. Verify that tendons are correctly positioned, supported, tied and wrapped. Record tendon elongations. Reference ACI 318: 26.10.2			X	**Testing**	
	b. Grouting of Bonded Prestressing Tendons in the Seismic-Force Resisting System: Reference ACI 318: 26.10.1			X	**Testing**	
10. Precast Concrete	Inspect erection of precast concrete including member configuration, connections, welding and grouting. Reference ACI 318: Ch 26.9			X	**Testing**	
11. Precast Concrete Diaphragms	For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E or F, inspect such connections and reinforcement in the field for: (a) installation of the embedded parts			X	**Testing**	
	(b) Completion of the continuity of reinforcement across joints.			X	**Testing**	
	(c) Completion of connections in the field			X	**Testing**	
12. Precast Concrete Diaphragms	Inspect erection tolerances of precast concrete diaphragm connections for compliance with ACI 550.5			X		
13. Verification of In-Situ Concrete Strength	Verify concrete strength prior to the removal of shores and forms from beams and structural slabs and prior to the stressing of tendons in post-tensioned concrete. Reference ACI 318: 26.10.2 & 26.11.11.2		X		**Testing**	
14. Formwork Geometry	Inspect formwork for shape, location and dimensions of the concrete member being formed. Reference ACI 318: 26.11		X		**Testing**	

SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.2.1 STRUCTURAL STEEL

Ite	Sub Item / Scope	Exten Observe	Exten Perfor	Exten N/A	Agenc Qualification s	Comment
In-Plant Special Inspections	**Fabrication and implementation procedures:** In addition to special inspections provided on site, provide special inspections indicated below on the premises of fabricator's shop. Verify that the fabricator maintains detailed fabrication and quality control procedures.		X	X	**As Noted Below**	Special inspections on the premises of the fabricators shop are not required provided the fabricator is an ***Approved Fabricator*** in accordance with section 1704.2. Fabricator is required to submit documentation/certification that they are an ~~***Approved Fabricator***~~
1. Fabricator and erector documents	Verify reports and certificates as listed in AISC 360, chapter N, paragraph 3.2 for compliance with construction documents		X		**Schaefe Submittal Review**	
2. Material verification of structural steel	Verify material in shop and field inspection		X		**Testing**	
3. Embedments	Verify diameter, grade, type, length, embedment. See Table 1705.3 for anchors		X		**Testing**	
4. Verify compliance with construction documents	Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents		X		**Testing**	
5.4-1. Visual Welding Inspection - Inspection Tasks Before Welding:	1. Welder qualifications records and continuity records.		X		**Testing** AWS - Certified Welding Inspector	
	2. Welding procedure specifications (WPS) available		X			
	3. Manufacturer certifications for welding consumables available.		X			
	4. Material Identification (type/grade)	X				
	5. Welder identification system (The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type.)	X				
	6. Fit up of Groove Welds (Including Joint Geometry): Inspection shall include Joint preparation, Dimensions (alignment, root opening, roof face, and bevel), Cleanliness (condition of steel surfaces), Tacking (tack weld quality and location), Backing type and fit (if applicable)	X				
	7. Fit up of CJP Groove Welds of HSS T-, K-, Y-, and K-joints (Including Joint Geometry): Inspection shall include Joint preparation, Dimensions (alignment, root opening, roof face, and bevel), Cleanliness (condition of steel surfaces), Tacking (tack weld quality and location), Backing type and fit (if applicable)		X			
	8. Configuration and finish of access holes	X				
	9. Fit-up of Fillet Welds: Inspection shall include: Dimensions (alignment, root opening, roof face, and bevel), Cleanliness (condition of steel surfaces), Tacking (tack weld quality and location)	X				
	10. Check welding equipment.	X				
5.4-2. Visual Welding Inspection - Inspection Tasks During Welding:	1. Control and Handling of Welding Consumables: Packaging and Exposure control)	X			**Testing** AWS - Certified Welding Inspector	
	2. No welding over cracked tack welds	X				
	3. Environmental Conditions: Wind speed within limits, and Precipitation and temperature.	X				
	4. WPS Followed: Observe Settings on welding equipment, Travel speed, Selected welding materials, Shielding gas type/flow rate, Preheat applied, Interpass temperature maintained (min and max), and Proper position (F,V,F,OH)	X				
	5. Welding Techniques: Interpass and final cleaning, Each pass within profile limitations, Each pass meets quality requirements.	X				
	6. Placement and installation of steel headed stud anchors.		X			
5.4-3. Visual Welding Inspection - Inspection Tasks After Welding	1. Welds Cleaned:	X			**Testing** AWS - Certified Welding Inspector	
	2. Size, Length, and Location of Welds:		X			
	3. Welds meet visual acceptance criteria: Crack prohibition, Weld/base-metal fusion, Crater cross section, Weld profiles, Weld size, Undercut, Porosity.		X			
	4. Arc strikes:		X			
	5. K-area		X			
	6. Weld access holes in rolled heavy shapes and built-up heavy shapes					
	7. Backing Removed and weld tabs removal (if required):		X			
	8. Repair Activities:		X			
	Document acceptance or rejection of welded joint or member		X			
	No prohibited welds have been added without the approval of the EOR	X				
5.5 Non-destructive Testing of Welds	**b. CJP Groove Welds:** Ultrasonic testing shall be performed on 100 percent of CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints, in materials 5/16 in thick or greater. Ultrasonic testing in materials less than 5/16 in thick is not required. Reduction of Rate of Ultrasonic Testing is permitted if the conditions of AISC 360-16 Appendix N.5.e are met.		X		**Testing** AWS - Certified Welding Inspector	Perform NDT for both in field and shop welds.
	c. Weld Joints Subjected to Fatigue: Welded joints requiring weld soundness to be established by Radiographic or Ultrasonic Inspections. Reduction rate is prohibited.		X			Perform NDT for both in field and shop welds.
5.6-1. Inspection of Bolting: Inspection Tasks Prior to Bolting	1. Manufacturer's certifications available for fastener materials.		X		**Testing**	
	2. Fasteners marked in accordance with ASTM requirements	X			**Testing**	
	3. Proper fasteners selected for the joint detail (grade, type, and bolt length if threads are excluded from shear plane).	X			**Testing**	
	4. Proper bolting procedure selected for joint detail.	X			**Testing**	
	5. Connecting elements: Verify elements are fabricated properly, including the appropriate faying surface condition and hole preparation, if specified, meets the applicable requirements	X			**Testing**	
	6. Pre-installation verification testing conducted for fastener assemblies and methods used	X			**Testing**	
	7. Proper storage provided for bolts, nuts, washers, and other fastener components	X			**Testing**	
5.6-2. Inspection of Bolting: Inspection Tasks During	1. Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are properly positioned	X			**Testing**	
	2. Joint brought to the snug tight condition prior to the pretensioning operation	X			**Testing**	
	3. Fastener component not turned by the wrench prevented from rotating	X			**Testing**	
	4. Bolts are pretensioned in accordance with the RCSC specification, progressing systematically from most rigid point toward free edges	X			**Testing**	
5.6-3. Inspection of Bolting: Inspection Tasks After Bolting	1. Document accepted and rejected connections:		X		**Testing**	

SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.4 MASONRY CONSTRUCTION (LEVEL 2)

Ite	Sub Item / Scope	Exten Cont.	Exten Periodic	Exten N/A	Agenc Qualification s	Comment
Minimum Verification Requirements	Prior to construction, verification of compliance of submittals (TMS 602 Art.1.5)				**Schaefe Submittal**	Require d
	Prior to construction, verification of f'm and f'AAC, except where specifically exempted by the code (TMS 602 Art.1.4b)				**Schaefe Submittal**	Require d
	During Construction, verification of slump flow and Visual Stability Index (VIS) when self-consolidating grout is delivered to the project site. (TMS 602: Art 1.5 &1.6.3)				**Testing**	Not Required
	During construction, verification of f'm and f'aac for every 5,000 sq. ft. (TMS 602 Art.1.4b)				**Testing**	Not Required
	During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout. (TMS 602 Art.1.4b)				**Testing**	Not Required
1. As masonry construction begins, verify that the following are in compliance:	a. Proportions of Site-Prepared Mortar (TMS 602 Art. 2.1, 2.6A & 2.6C)		X		**Testing**	
	b. Grade and size of prestressing tendons and anchorages (TMS 602 Art.2.4B & 2.4H)			X	**Testing**	
	c. Placement of reinforcement, connectors and anchor bolts. (TMS 602 Art.3.4 & 3.6A)		X		**Testing**	
	d. Prestressing technique (TMS 602 Art.3.6B)			X	**Testing**	
	e. Properties of thin-bed mortar for AAC masonry (TMS 602 Art.2.1 C.1)			X	**Testing**	Continuous for the first 5000 sq ft, and Periodic after
	f. Sample panel construction (TMS 602 Art.1.6D)		X		**Testing**	
2. Prior to Grouting, verify that the following are in compliance:	a. Grout Space: Verify grout space is clean. (TMS 602: Art 3.2D and 3.2F)		X		**Testing**	
	b. Placement of prestressing tendons and anchorages (TMS 602 Art. 2.4 & 3.6)			X	**Testing**	
	c. Placement of reinforcement, connectors and anchor bolts. (TMS 602 Art. 3.2E & 3.4)		X		**Testing**	
	d. Proportions of site-prepared grout and prestressing grout for bonded tendons. (TMS 602 Art. 2.6B & 2.4G.1.b)		X		**Testing**	
3. Verify compliance with the following during construction:	a. Materials and procedures with the approved submittals (TMS 602 Art. 1.5)		X		**Testing**	
	b. Placement of masonry units and mortar joint construction (TMS 602 Art. 3.3B)		X		**Testing**	
	c Size and Location of structural members (TMS 602 Art. 3.3F)		X		**Testing**	
	d. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction (TMS 402 Sec. 1.2.1€, 6.2.1 & 6.3.1)		X		**Testing**	
	e. Welding of reinforcement (TMS 402 Sec 6.1.6.1.2)			X	**Testing**	
	f. Preparation, construction, and protection of masonry during cold weather (temperature below 40F) or hot weather (temperature above 90F). (TMS 602 Art. 1.8C & 1.8D)		X		**Testing**	
	g. Application and measurement of prestressing force (TMS 602 Art.3.6 B)			X	**Testing**	
	h1. Placement of grout is in compliance (TMS 602 Art. 3.5)	X			**Testing**	
	h2. Placement of prestressing grout for bonded tendons is in compliance (TMS 602 Art. 3.5 & 3.6C)			X	**Testing**	
	i. Placement of AAC masonry units and construction of thin-bed mortar joints (TMS 602 Art. 3.3B.9 & 3.3F.1.b)			X	**Testing**	Continuous for the first 5000 sq ft, and Periodic after
4.	Observe preparation of grout specimens, mortar specimens, and/or prisms. (TMS 602: Art 1.4)			X	**Testing Agency** (compliance with ASTM C1093)	

SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.5 WOOD CONSTRUCTION

Ite	Sub Item / Scope	Exten Cont.	Exten Periodic	Exten N/A	Agenc Qualification s	Comment
Prefabricated Wood Structural Elements and Assemblies	**Fabrication and implementation procedures:** In addition to special inspections provided on site, provide special inspections indicated below on the premises of fabricator's shop. Verify that the fabricator maintains detailed fabrication and quality control procedures.			X	**As Noted Below**	Special inspections on the premises of the fabricator's shop are not required provided the fabricator is an Approved Fabricator in accordance with section 1704.2.5.1. Fabricator is required to submit documentation/certification that they are an Approved Fabricator.
1. High-Load Diaphragms	Inspect wood structural panel sheathing to ascertain wither it is of the grade and thickness shown on the approved building plans. Verify nominal size of framing members at adjoining panel edges, nail or staple diameter and length, the number of fastener lines and that the spacing between fasteners in each line and at the edge margins.			X	**Testing**	
2. Metal-Plate-Connected Wood Trusses Spanning 60 feet or Greater	Inspect temporary installation restrain/bracing and permanent truss member restraint/bracing.			X	**Testing**	

SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.6 SOILS

Ite	Sub Item / Scope	Cont.	Periodic	N/A	Agenc Qualification s	Comment
1. Bearing Materials	Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		X		**Testing** Under supervision of Licensed Geotechnical Engineer	
2.	Verify excavations are extended to proper depth and have reached proper material		X		**Testing** Under supervision of Licensed Geotechnical Engineer	
3. Fill Classification	Perform classification and testing of compacted fill materials		X		**Testing** Under supervision of Licensed Geotechnical Engineer	
4. Placement and Fill Compaction	During fill placement, verify use of proper materials and procedure in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.	X			**Testing** Under supervision of Licensed Geotechnical Engineer	
5. Subgrade	Prior to placement of compacted fill, inspect subgrade and verify that the site has been prepared properly		X		**Testing** Under supervision of Licensed Geotechnical Engineer	

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SPECIAL INSPECTIONS

S003

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SCHEDULE OF TENSION & COMPRESSION DEVELOPMENT AND LAP SPLICE LENGTHS

FOOTINGS (f'c = 3000PSI)

BAR SIZE	Ld		Ls		Ldh
	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	
	(in)	(in)	(in)	(in)	(in)
#3	17	22	22	28	8
#4	22	29	29	38	12
#5	28	36	36	47	16
#6	33	43	43	56	21
#7	48	63	63	81	27
#8	55	72	72	93	32
#9	62	81	81	105	39
#10	70	91	91	118	46
#11	78	101	101	131	54
#14	93	121	121	157	71

LAP AND DEVELOPMENT TABLE CRITERIA:

A. GRADE 60 UNCOATED REINFORCING STEEL
  i. FOR EPOXY COATED: MULTIPLY Ld, Ls BY 1.5; Ldh BY 1.2
B. NORMAL WEIGHT CONCRETE
  i. FOR LIGHTWEIGHT CONCRETE: MULTIPLY Ld, Ls, Ldh BY 1.33
C. CLEAR COVER GREATER THAN db
D. MIN 2*db CLEAR SPACING BETWEEN BARS

FOR BARS THAT DO NOT MEET THE CLEAR COVER OR CLEAR SPACING INDICATED:

#6 AND SMALLER: Ld = 66 BAR DIAMETERS; Ls = 86 BAR DIAMETERS
#7 AND LARGER: Ld = 83 BAR DIAMETERS; Ls = 107 BAR DIAMETERS
FOR TOP BARS MULTIPLY BY 1.3
MINIMUM Ld AND Ls = 12"

FOUNDATION WALLS (f'c = 4500PSI)

BAR SIZE	Ld		Ls		Ldh
	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	
	(in)	(in)	(in)	(in)	(in)
#3	12	12	16	16	7
#4	12	14	16	19	11
#5	14	18	18	23	15
#6	17	21	21	28	20
#7	24	31	31	40	24
#8	27	35	35	46	30
#9	34	44	44	57	36
#10	42	54	54	70	42
#11	50	65	65	84	50
#14	68	88	88	115	65

LAP AND DEVELOPMENT TABLE CRITERIA:

A. GRADE 60 UNCOATED REINFORCING STEEL
  i. FOR EPOXY COATED: MULTIPLY Ld, Ls BY 1.5; Ldh BY 1.2
B. NORMAL WEIGHT CONCRETE
  i. FOR LIGHTWEIGHT CONCRETE: MULTIPLY Ld, Ls, Ldh BY 1.33
C. 2" MIN CLEAR COVER
D. 4" MIN CLEAR SPACING BETWEEN BARS

FOR BARS THAT DO NOT MEET THE CLEAR COVER OR CLEAR SPACING INDICATED:

#6 AND SMALLER: Ld = 54 BAR DIAMETERS; Ls = 70 BAR DIAMETERS
#7 AND LARGER: Ld = 68 BAR DIAMETERS; Ls = 88 BAR DIAMETERS
FOR TOP BARS MULTIPLY BY 1.3
MINIMUM Ld AND Ls = 12"

EXTERIOR SLABS-ON-GROUND (f'c = 4000PSI)

BAR SIZE	Ld		Ls		Ldh
	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	
	(in)	(in)	(in)	(in)	(in)
#3	15	19	19	25	7
#4	19	25	25	33	11
#5	24	31	31	41	15
#6	29	37	37	49	20
#7	42	54	54	71	25
#8	48	62	62	81	30
#9	54	70	70	91	36
#10	61	79	79	102	43
#11	67	87	87	114	51
#14	81	105	105	136	66

LAP AND DEVELOPMENT TABLE CRITERIA:

A. GRADE 60 UNCOATED REINFORCING STEEL
  i. FOR EPOXY COATED: MULTIPLY Ld, Ls BY 1.5; Ldh BY 1.2
B. NORMAL WEIGHT CONCRETE
  i. FOR LIGHTWEIGHT CONCRETE: MULTIPLY Ld, Ls, Ldh BY 1.33
C. CLEAR COVER GREATER THAN db
D. MIN 2*db CLEAR SPACING BETWEEN BARS

FOR BARS THAT DO NOT MEET THE CLEAR COVER OR CLEAR SPACING INDICATED:

#6 AND SMALLER: Ld = 57 BAR DIAMETERS; Ls = 74 BAR DIAMETERS
#7 AND LARGER: Ld = 72 BAR DIAMETERS; Ls = 93 BAR DIAMETERS
FOR TOP BARS MULTIPLY BY 1.3
MINIMUM Ld AND Ls = 12"

LAP AND DEVELOPMENT TABLE NOTES & DEFINITIONS:

A. TOP BARS = HORIZ BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS
B. db = BAR DIAMETER
C. s = CENTER-TO-CENTER BAR SPACING
D. Ath = TOTAL AREA OF TIES OR STIRRUPS CONFINING HOOKED BARS
E. Ahs = TOTAL AREA OF HOOKED BARS BEING DEVELOPED
F. WHERE BARS OF DIFFERENT SIZES ARE SPLICED, Ls FOR THE LARGER BAR SHALL BE USED
G. ALL TENSION SPLICES SHALL BE CLASS B, UNLESS NOTED OTHERWISE
H. Ldh VALUES FOR #11 BARS AND SMALLER MAY BE REDUCED AS FOLLOWS (PER ACI 318-19)
  i. MULTIPLY BY 0.625 FOR (1) OR (2)
    (1) Ath ≥ 0.40Ahs
    (2) s ≥ 6db
  ii. MULTIPLY BY 0.80 FOR (3) OR (4)
    (3) HOOK TERMINATES IN COLUMN CORE & SIDE COVER NORMAL TO PLANE OF HOOK ≥ 2.5"
    (4) SIDE COVER NORMAL TO PLANE OF HOOK ≥ 6db
  iii. Ldh SHALL NOT BE LESS THAN THE LARGER OF 8db OR 6" WITH REDUCTIONS APPLIED

CONCRETE MIXTURE REQUIREMENTS

CONCRETE CLASS	DESCRIPTION	EXPOSURE CLASS F	S	W	C	MINIMUM f'c AT 28 DAYS (PSI)	MAXIMUM w/c RATIO	AIR CONTENT	MINIMUM CEMENTITIOUS MATERIAL (LB/CY)	REMARKS
A	FOOTINGS AND GRADE BEAMS	F0	S0	W0	C0	3000	--	--	--	--
B	FOUNDATION WALLS	F2	S0	W0	C1	4500	0.45	6% ±1.5%	--	--
C1	INTERIOR SLABS-ON-GROUND	F0	S0	W0	C0	4000	--	3% MAX	540	--
J	EXTERIOR RETAINING WALLS	F2	S0	W0	C1	4500	0.45	6% ±1.5%	--	--

CONCRETE MIXTURE NOTES:
A. PROVIDE MIX DESIGNS IN ACCORDANCE WITH ACI 301-16 FOR SPECIFIED EXPOSURE CLASS AND AGGREGATE.
B. NOMINAL MAX AGGREGATE SIZE = 3/4" UNLESS OTHERWISE NOTED
C. ALL CONCRETE SHALL BE NORMAL WEIGHT UNLESS OTHERWISE NOTED

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CONCRETE SCHEDULES & SPECIAL INSPECTIONS

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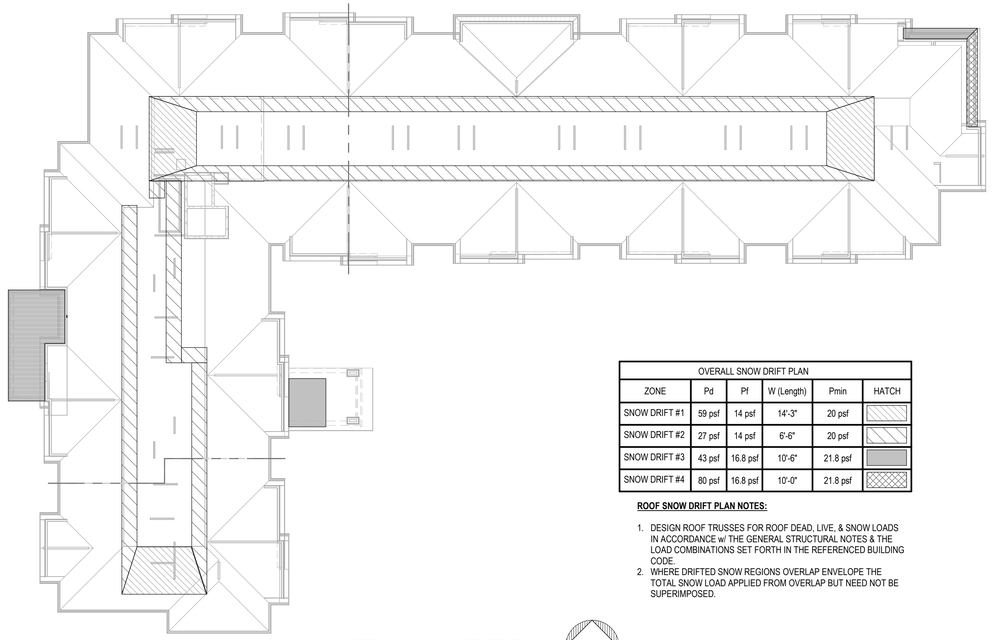


OVERALL SNOW DRIFT PLAN
1" = 20'-0"

NORTH

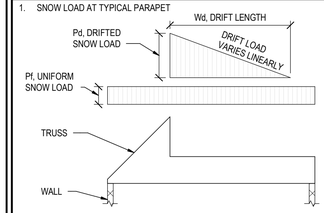
OVERALL SNOW DRIFT PLAN					
ZONE	Pd	Pf	W (Length)	Pmin	HATCH
SNOW DRIFT #1	59 psf	14 psf	14'-3"	20 psf	
SNOW DRIFT #2	27 psf	14 psf	6'-6"	20 psf	
SNOW DRIFT #3	43 psf	16.8 psf	10'-6"	21.8 psf	
SNOW DRIFT #4	80 psf	16.8 psf	10'-0"	21.8 psf	

ROOF SNOW DRIFT PLAN NOTES:

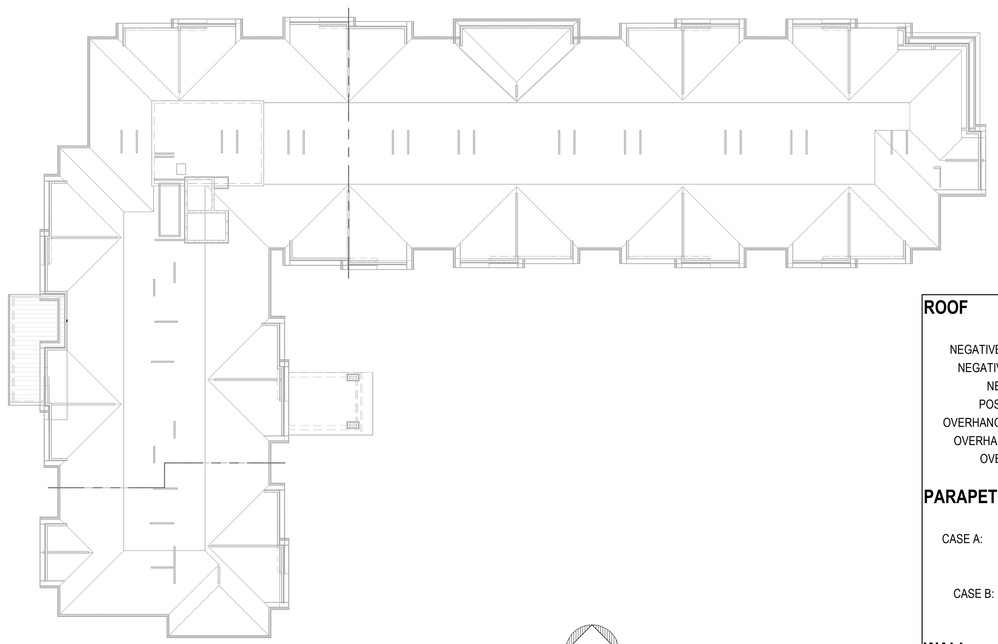
1. DESIGN ROOF TRUSSES FOR ROOF DEAD, LIVE, & SNOW LOADS IN ACCORDANCE w/ THE GENERAL STRUCTURAL NOTES & THE LOAD COMBINATIONS SET FORTH IN THE REFERENCED BUILDING CODE.
2. WHERE DRIFTED SNOW REGIONS OVERLAP ENVELOPE THE TOTAL SNOW LOAD APPLIED FROM OVERLAP BUT NEED NOT BE SUPERIMPOSED.

MANSARD ROOF TRUSS DRIFTED SNOW LOADING

1. SNOW LOAD AT TYPICAL PARAPET



NOTE:
COMBINE THESE DRIFTED SNOW LOADS WITH DEAD LOAD & WIND LOAD PER THE REFERENCED BUILDING CODE & GENERAL NOTES. SEE GENERAL NOTES FOR BALANCED SNOW LOAD. ALSO, INCLUDE RTU LOADS.



WIND UPLIFT PLAN
1" = 20'-0"

NORTH

ROOF	SURFACE PRESSURE (psf)							
AREA	2 sf	10 sf	20 sf	50 sf	100 sf	200 sf	300 sf	500 sf
NEGATIVE ZONE 1, 2E & 2R	-37.9	-37.9	-32.1	-24.5	-18.7	-18.7	-18.7	-18.7
NEGATIVE ZONE 2N, & 3R	-41.7	-41.7	-37.3	-31.4	-27.0	-22.6	-22.6	-22.6
NEGATIVE ZONE 3E	-64.7	-51.1	-45.3	-37.6	-31.8	-26.0	-22.6	-22.6
POSITIVE ALL ZONES	20.7	20.7	18.4	16.0	16.0	16.0	16.0	16.0
OVERHANG ZONE 1, 2E & 2R	-49.7	-49.7	-44.0	-36.4	-30.6	-30.6	-30.6	-30.6
OVERHANG ZONE 2N & 3R	-53.6	-53.6	-49.1	-43.3	-38.9	-34.4	-34.4	-34.4
OVERHANG ZONE 3E	-76.5	-63.0	-57.2	-49.5	-43.7	-37.8	-34.4	-34.4

PARAPET		SURFACE PRESSURE (psf)					
	AREA	2 sf	10 sf	100 sf	200 sf	300 sf	500 sf
CASE A:	ZONE 2E & 2R :	55.8	55.8	32.3	31.3	30.7	29.9
	ZONE 2N & 3R :	59.8	59.8	40.9	35.3	34.6	33.9
	ZONE 3E :	83.7	69.6	45.9	38.8	34.6	33.9
CASE B:	INTERIOR ZONE :	-41.8	-41.8	-34.8	-32.7	-31.4	-29.9
	CORNER ZONE :	-47.8	-47.8	-37.3	-34.1	-32.2	-29.9

WALL	SURFACE PRESSURE (psf)			
AREA	10 sf	100 sf	200 sf	500 sf
NEGATIVE ZONE 4	-24.5	-21.1	-20.1	-18.7
NEGATIVE ZONE 5	-30.2	-23.5	-21.4	-18.7
POSITIVE ZONE 4 & 5	22.6	19.2	18.2	16.8

UPLIFT PRESSURE LEGEND	
HATCH	NET UPLIFT (PSF)
	ZONE 1
	ZONE 2
	ZONE 3

COMPONENT & CLADDING WIND PRESSURE NOTES:

1. SEE GENERAL NOTES FOR WIND LOAD DESIGN CRITERIA.
2. SPECIFIED LOADS ARE GROSS ULTIMATE WIND UPLIFT PRESSURES.
3. UPLIFT PRESSURES ARE APPLIED PERPENDICULAR TO AND AWAY FROM THE SURFACE OF THE ROOF.
4. REFERENCE FIGURE 1 FOR MANSARD ROOF PRESSURES; REFERENCE FIGURE 2 FOR OVERHANGS.

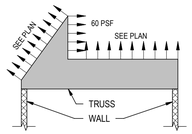


FIGURE 1: PARAPET

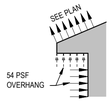


FIGURE 2: OVERHANG

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SNOW DRIFT AND WIND UPLIFT PLANS

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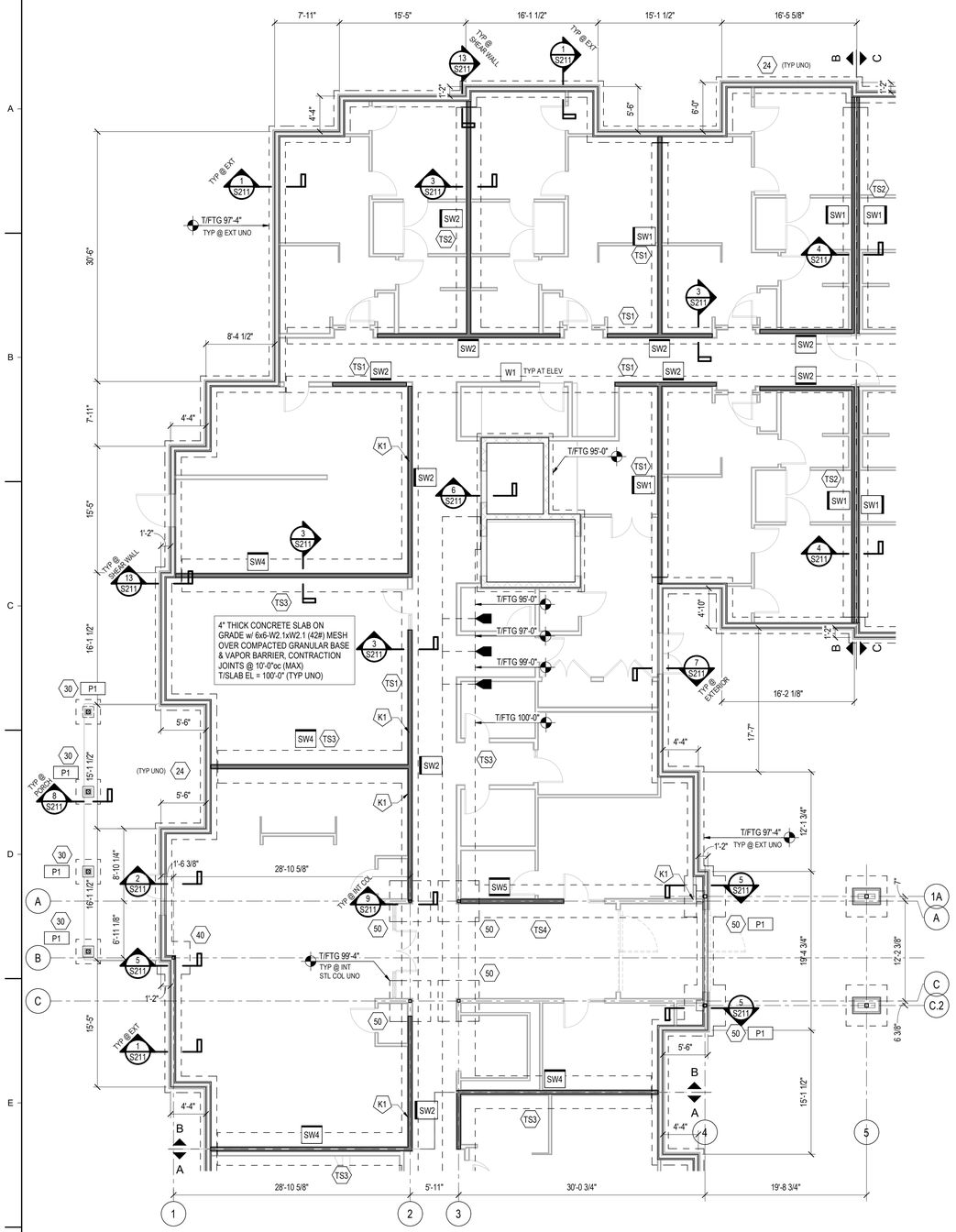
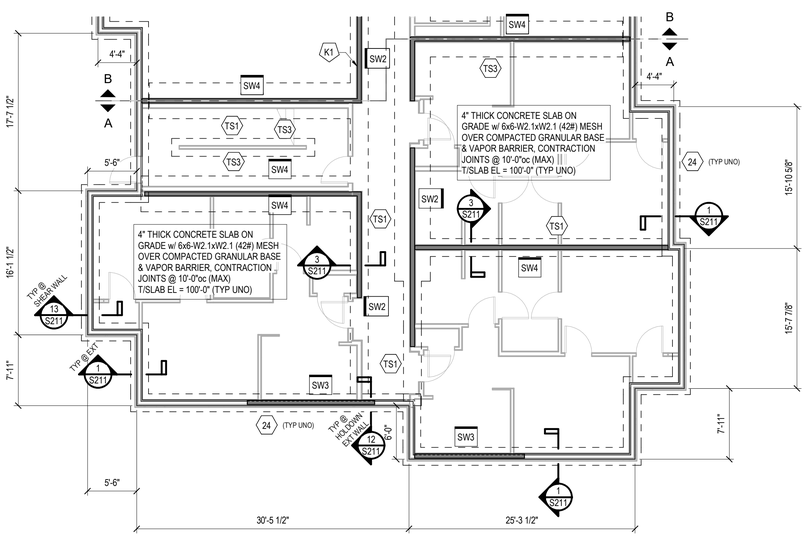


FOUNDATION PLAN - AREA B
1/8" = 1'-0"



FOUNDATION PLAN - AREA A
1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. REFERENCE PLAN ELEVATION 100'-0", REF. CIVIL FOR MEAN SEA LEVEL.
2. BACKGROUND ARCHITECTURAL LAYOUT:
   A. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS & ELEVATIONS.
   B. DIMENSIONS ARE TO FACE OF SHEATHING OR MASONRY, UNO.
3. SEE SHEET S002 FOR GENERAL NOTES, ABBREVIATIONS & LEGEND (SYMBOLS).
4. SLOPE SLAB TO FLOOR DRAINS, COORDINATE WITH ARCH DWGS AND PLUMBING DWGS.

FOUNDATION PLAN KEYNOTES: (Kn)

1. APPROXIMATE LOCATION OF HOLDOWN ABOVE, COORDINATE ROD LOCATION WITH SHEAR WALL EXTENTS ON UPPER FLOORS. EMEBD INTO FOUNDATION PER SHEAR WALL SCHEDULE.

FOOTING NOTES:

1. WHERE FOOTINGS INTERSECT, PROVIDE REINFORCING STEEL PER SCHEDULE & FOOTING SIZE SUCH THAT DIMENSIONS SHOWN IN SCHEDULE ARE MET OR EXCEEDED.
2. CENTER ALL COLUMN FOOTINGS UNDER COLUMN CENTERLINES, UNO ON PLAN OR SECTION.
3. CENTER ALL CMU WALL FOOTINGS UNDER WALL, TYP UNO IN PLAN OR SECTION.

CONTINUOUS FOOTING SCHEDULE

MARK	SIZE WIDTH (B)	SIZE THICKNESS (H)	REINFORCING	REMARKS
24	2'-0"	1'-6"	(2) #5 CONT TOP & BOT	
41	4'-0"	1'-0"	SEE SECTION	

ISOLATED FOOTING SCHEDULE

MARK	SIZE LENGTH (L)	SIZE WIDTH (B)	SIZE THICKNESS (H)	REINFORCING	REMARKS
30	3'-0"	3'-0"	1'-6"	(4) #5 EA WAY	
40	4'-0"	4'-0"	1'-6"	(6) #5 EA WAY	
50	5'-0"	5'-0"	1'-6"	(7) #5 EA WAY	

THICKENED SLAB SCHEDULE

MARK	SIZE WIDTH (B)	SIZE THICKNESS (H)	REINFORCING	REMARKS
TS1	2'-0"	1'-6"	(2) #5 CONT TOP & BOT	
TS2	3'-0"	1'-6"	(3) #5 CONT TOP & BOT	
TS3	4'-0"	1'-6"	(3) #5 CONT TOP & BOT	
TS4	4'-0"	2'-0"	(4) #5 CONT TOP & BOT	

PEDESTAL SCHEDULE

MARK	SIZE B	SIZE L	PATTERN	REINFORCING VERTICAL BARS	REINFORCING TIES	REMARKS
P1	1'-4"	1'-4"	A	(4) #6	#3 @ 10"oc	
P2	2'-0"	3'-4"	B	(6) #6	#3 @ 10"oc	

NOTES:

1. SEE RELATING SECTIONS FOR ADDITIONAL INFORMATION.
2. CENTER PEDESTAL ON COLUMN CENTERLINE (UNLESS NOTED OTHERWISE).
3. COORDINATE PEDESTAL ORIENTATION WITH FOUNDATION PLAN.
4. REINFORCING HAS 2" CLEARANCE TO EXTERIOR FACE OF CONCRETE.
5. WHERE ANCHOR BOLTS ARE PLACED IN THE TOP OF PEDESTAL, PLACE (3) #3 TIES (OR (2) #4 TIES) IN THE TOP 5" OF PEDESTAL, IN ADDITION TO SCHEDULED TIE REINFORCING.
6. EXTEND PEDESTAL REINFORCING TO 4" CLEAR OF BOTTOM OF FOOTING & TERMINATE w/ STANDARD HOOK.

PATTERN TYPES:

TYPE A TYPE B

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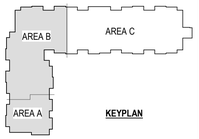
FOUNDATION PLAN - AREA A & B



KEYPLAN

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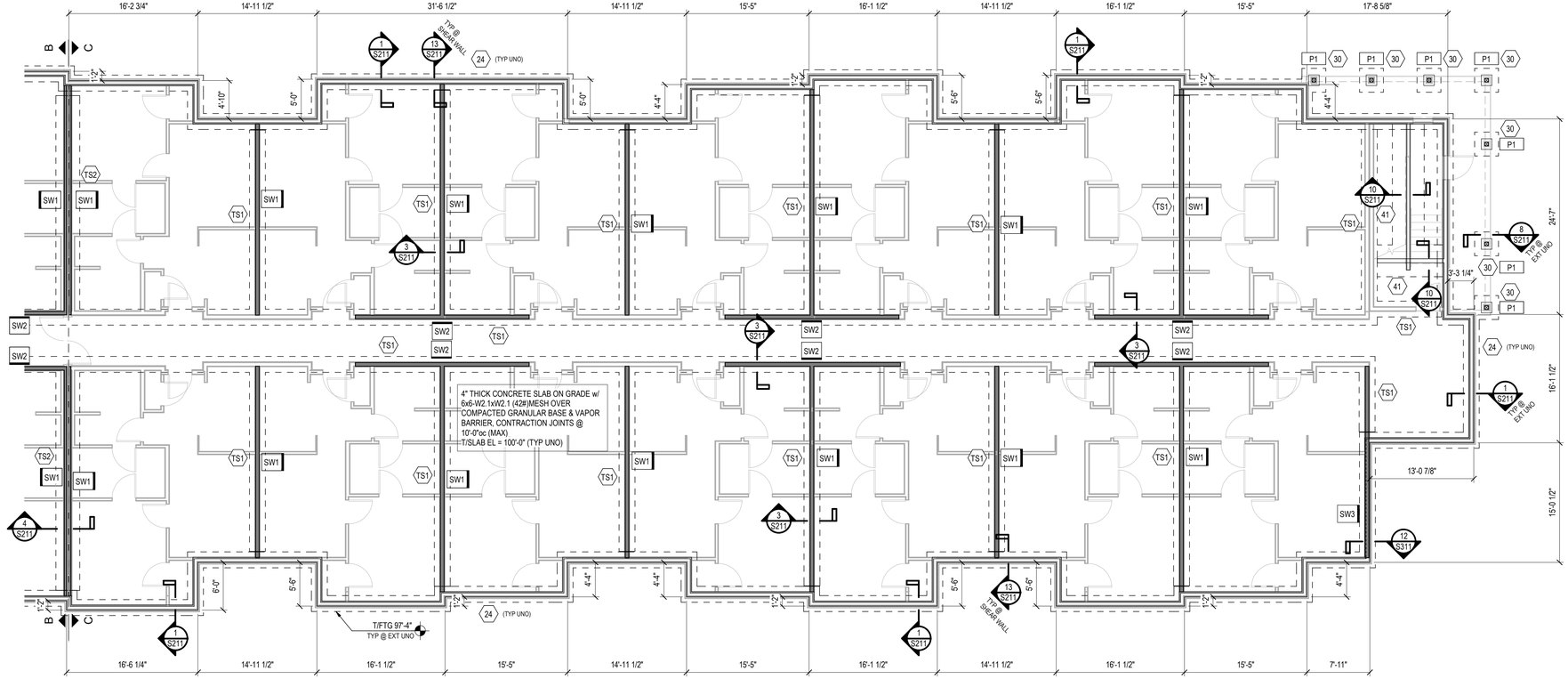


FOUNDATION PLAN - AREA C
1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. REFERENCE PLAN ELEVATION 100'-0", REF. CIVIL FOR MEAN SEA LEVEL.
2. BACKGROUND ARCHITECTURAL LAYOUT:
   A. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS & ELEVATIONS.
   B. DIMENSIONS ARE TO FACE OF SHEATHING OR MASONRY, UNO.
3. SEE SHEET S002 FOR GENERAL NOTES, ABBREVIATIONS & LEGEND (SYMBOLS).
4. SLOPE SLAB TO FLOOR DRAINS, COORDINATE WITH ARCH DWGS AND PLUMBING DWGS.

FOUNDATION PLAN KEYNOTES: (Kn)

1. APPROXIMATE LOCATION OF HOLDOWN ABOVE, COORDINATE ROD LOCATION WITH SHEAR WALL EXTENTS ON UPPER FLOORS. EMEBD INTO FOUNDATION PER SHEAR WALL SCHEDULE.

FOOTING NOTES:

1. WHERE FOOTINGS INTERSECT, PROVIDE REINFORCING STEEL PER SCHEDULE & FOOTING SIZE SUCH THAT DIMENSIONS SHOWN IN SCHEDULE ARE MET OR EXCEEDED.
2. CENTER ALL COLUMN FOOTINGS UNDER COLUMN CENTERLINES, UNO ON PLAN OR SECTION.
3. CENTER ALL CMU WALL FOOTINGS UNDER WALL, TYP UNO IN PLAN OR SECTION.

CONTINUOUS FOOTING SCHEDULE

MARK	SIZE WIDTH (B)	SIZE THICKNESS (H)	REINFORCING	REMARKS
24	2'-0"	1'-6"	(2) #5 CONT TOP & BOT	
41	4'-0"	1'-0"	SEE SECTION	

ISOLATED FOOTING SCHEDULE

MARK	SIZE LENGTH (L)	SIZE WIDTH (B)	SIZE THICKNESS (H)	REINFORCING	REMARKS
30	3'-0"	3'-0"	1'-6"	(4) #5 EA WAY	
40	4'-0"	4'-0"	1'-6"	(6) #5 EA WAY	
50	5'-0"	5'-0"	1'-6"	(7) #5 EA WAY	

PEDESTAL SCHEDULE

MARK	SIZE B	SIZE L	PATTERN	REINFORCING VERTICAL BARS	REINFORCING TIES	REMARKS
P1	1'-4"	1'-4"	A	(4) #6	#3 @ 10"oc	
P2	2'-0"	3'-4"	B	(6) #6	#3 @ 10"oc	

NOTES:

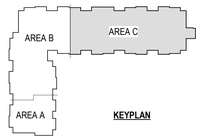
1. SEE RELATING SECTIONS FOR ADDITIONAL INFORMATION.
2. CENTER PEDESTAL ON COLUMN CENTERLINE (UNLESS NOTED OTHERWISE).
3. COORDINATE PEDESTAL ORIENTATION WITH FOUNDATION PLAN.
4. REINFORCING HAS 2" CLEARANCE TO EXTERIOR FACE OF CONCRETE.
5. WHERE ANCHOR BOLTS ARE PLACED IN THE TOP OF PEDESTAL, PLACE (3) #3 TIES (OR (2) #4 TIES) IN THE TOP 5" OF PEDESTAL, IN ADDITION TO SCHEDULED TIE REINFORCING.
6. EXTEND PEDESTAL REINFORCING TO 4" CLEAR OF BOTTOM OF FOOTING & TERMINATE w/ STANDARD HOOK.

PATTERN TYPES:

TYPE A TYPE B

THICKENED SLAB SCHEDULE

MARK	SIZE WIDTH (B)	SIZE THICKNESS (H)	REINFORCING	REMARKS
TS1	2'-0"	1'-6"	(2) #5 CONT TOP & BOT	
TS2	3'-0"	1'-6"	(3) #5 CONT TOP & BOT	
TS3	4'-0"	1'-6"	(3) #5 CONT TOP & BOT	
TS4	4'-0"	2'-0"	(4) #5 CONT TOP & BOT	



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Schaefer Project Number: 23-2168

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NO.	DATE	REVISION

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ISSUED FOR : BIDDING
DATE : 01/06/2026

FOUNDATION PLAN - AREA C

S102

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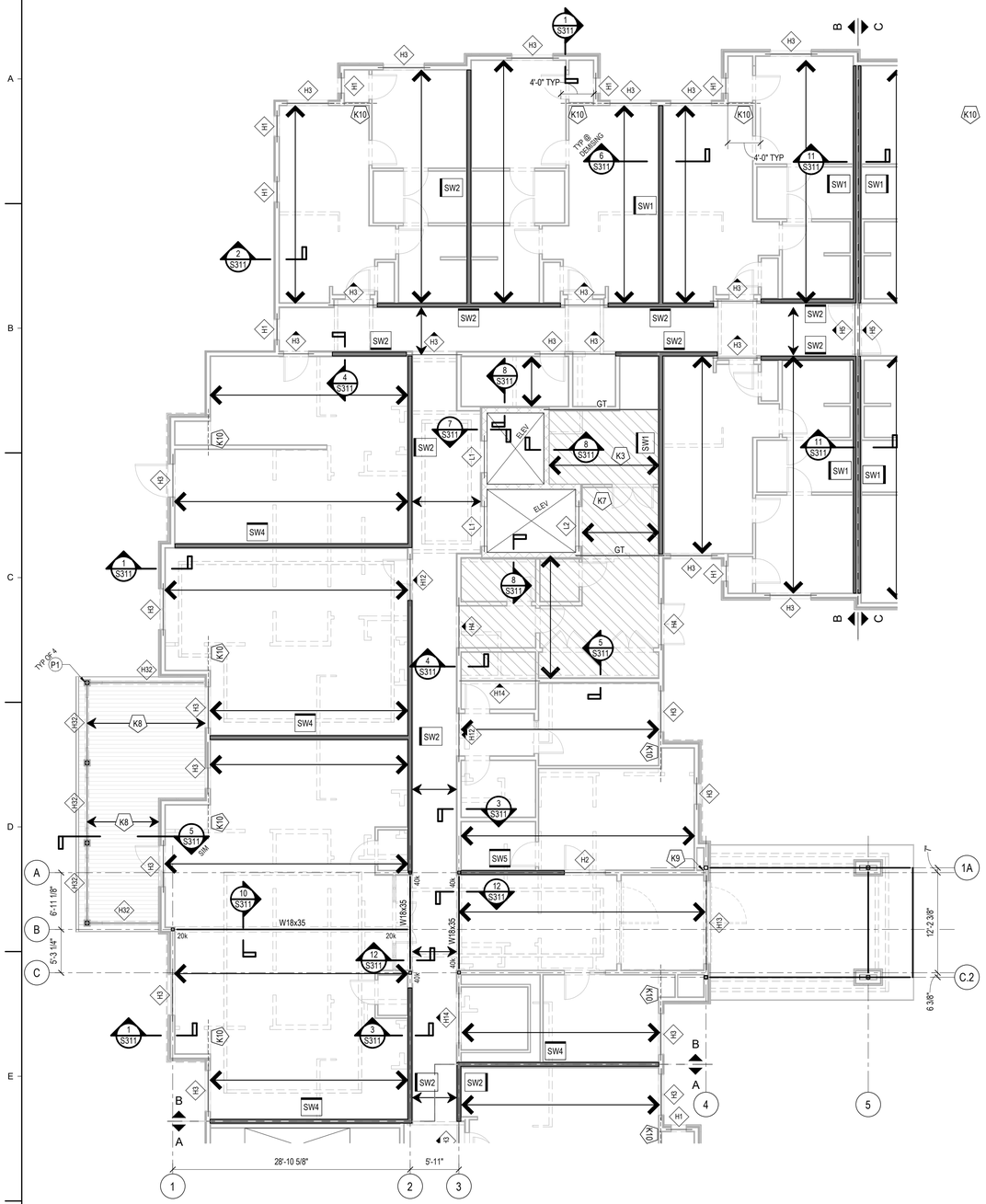
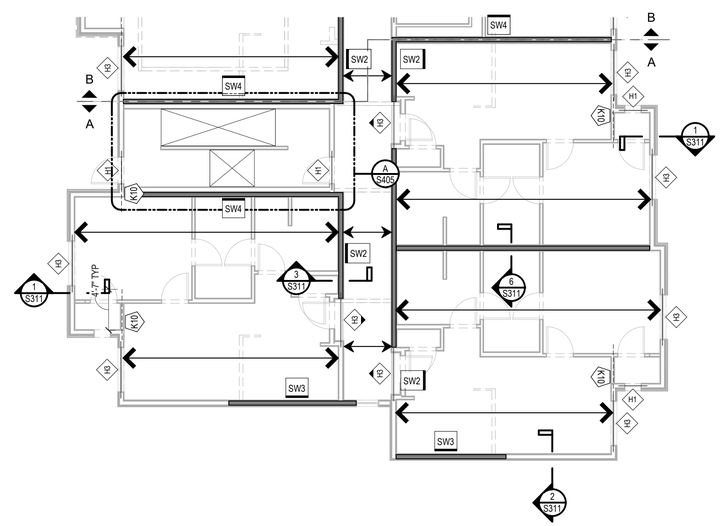


2ND FLOOR FRAMING PLAN - AREA B

1/8" = 1'-0"

NORTH



2ND FLOOR FRAMING PLAN - AREA A

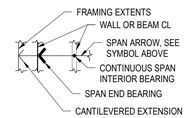
1/8" = 1'-0"

NORTH

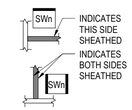
WOOD FRAMING LEGEND:

SYMBOL	DESCRIPTION
	24" DEEP WOOD FLOOR TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF OVERFRAMING TRUSSES @ 24"oc MAX. ATTACH EA OVERFRAMING TRUSS TO EA MAIN ROOF TRUSS BELOW w/ SIMPSON VTCR.
	2x10 JOISTS @ 24" oc w/ LUS28 EA END, TYPICAL UNLESS NOTED OTHERWISE.
	PT 2x10 JOISTS @ 24"oc w/ LUS28Z EA END, TYPICAL UNLESS NOTED OTHERWISE.
Hn	HEADER MARK, SEE HEADER SCHEDULE.
SWn	SHEAR WALL TYPE MARK. SOLID BLACK LINE INDICATES SHEATHING LOCATION ON WALL.
	SHEAR WALL EXTENTS. SEE PLAN FOR TYPE MARK.
Pn	WOOD POST, SEE SCHEDULE.

SPAN ARROW VISUAL DESCRIPTION:



SHEATHING SIDE VISUAL DESCRIPTION:



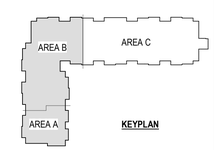
HEADER MARK VISUAL DESCRIPTION:

WOOD FLOOR & ROOF FRAMING PLAN NOTES:

1. T/FLOOR SHEATHING:
   A. SECOND FLOOR EL: 112'-1 7/8"
   B. THIRD FLOOR EL: 123'-4 1/2"
2. ROOF TRUSS BEARING EL: 132'-6 3/8"
3. T/STEEL EL 111'-10 1/8", UNLESS NOTED (±X'-XX") ON PLAN.
   A. STEEL FABRICATOR SHALL DESIGN BEAM END CONNECTIONS FOR UNFACTORED LOADS WHERE INDICATED ON PLAN.
4. BACKGROUND ARCHITECTURAL LAYOUT:
   A. LAYOUT SHOWN IS FLOOR BELOW.
   B. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS & ELEVATIONS.
   C. DIMENSIONS ARE TO FACE OF STUD OR MASONRY, UNO.
5. PROVIDE ADDITIONAL (2) 2x6 STUDS IN WALL AT EACH GUARDRAIL (DECK OR JULIET) CONNECTION TO WALL LOCATION, SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS. ADDITIONAL STUDS NOT REQUIRED IF CONNECTING TO WINDOW/DOOR OPENING JAMB.
6. REFERENCE UPPER LEVEL FLOOR & ROOF FRAMING PLANS & PLAN NOTES FOR ADDITIONAL LOCATIONS OF BEARING STUDS FROM ABOVE. PROVIDE WOOD STUDS & BLOCKING EQUAL TO OR WIDER THAN BEAM/GIRDER, CONTINUOUS TO BEAM/FOUNDATION.
7. PROVIDE (3) 2x6 BEARING STUDS UNLESS NOTED OTHERWISE AT EACH GIRDER TRUSS BEARING LOCATION. PROVIDE SOLID BLOCKING IN FLOOR SPACE, SEE "TYPICAL HOLDOWN AT GIRDER TRUSS" DETAIL ON TYPICAL FRAMING DETAILS SHEET. CONTINUE STUDS DOWN TO FOUNDATION OR BEAM.
8. TRUSS DESIGNER:
   A. SHEET S001-S002 STRUCTURAL NOTES & DESIGN CRITERIA.
   B. SHEET S004 COMPONENTS & CLADDING WIND LOADS.
   C. SHEET S004 DRIFTED SNOW LOADING PLANS.
   D. SHEET S002 HORIZONTAL DEFLECTION LIMITS.
   E. COORDINATE FINAL SIZE, LOCATION & WEIGHT OF RTU'S & ROOF OPENINGS w/ ARCHITECTURAL & MEP DRAWINGS PRIOR TO WOOD TRUSS SHOP DRAWING REVIEW.
9. REFER TO THE FOLLOWING:
   A. SHEET S001-S002 STRUCTURAL NOTES, ABBREVIATIONS & LEGENDS (SYMBOLS).
   B. SHEET S001-S002 WOOD SHEATHING & WOOD STRUCTURE NOTES.
   C. SHEET S401 WOOD STUD WALL SCHEDULE & TYPICAL FRAMING DETAILS.
   D. SHEET S402 WOOD SHEAR WALL SCHEDULE & TYPICAL SHEAR WALL DETAILS.
   E. SHEET S404 WOOD TRUSS PERMANENT BRACING.
   F. SHEET S601 MASONRY SCHEDULES & TYPICAL MASONRY DETAILS.
   G. SHEET S601 LOOSE-LAID VENEER LINTEL SCHEDULE.

FRAMING PLAN KEYNOTES

1. BEAM TO BEAR ON SIMPSON HUC68 HANGER ATTACHED TO GFCMU w/ (14) ¼" ø x 2-1/4" TITEN TURBO HEX SCREWS.
2. BEAM TO BEAR ON SIMPSON HUC210-3 HANGER ATTACHED TO GFCMU w/ (14) ¼" ø x 2-1/4" TITEN TURBO HEX SCREWS.
3. CROSS HATCH INDICATES 100 PSF DESIGN LIVE LOAD.
4. SIMPSON HB212-3 FROM HEADER TO STEEL BEAM.
5. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
6. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
7. TRUSS DESIGNER TO COORDINATE w/ MEP AND ELEVATOR SUPPLIER FOR ELEVATOR EQUIPMENT LOADING THIS AREA.
8. PT 2x12 @ 16"oc w/ LUS210Z EA END.
9. CONTINUE HOLDOWN FROM SHEAR WALL ABOVE DOWN TO FOUNDATION.
10. PREFABRICATED CANOPY BY SUPPLIER. PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS.
11. CONTINUOUS CS20 METAL STRAP. LAP END OF STRAP 10" MIN ON WALL TOP PLATES. ALIGN 2x FLATWISE BLOCKING UNDER STRAP.
12. W8x13 HOIST BEAM. COORDINATE FINAL SIZE AND LOCATION w/ ELEVATOR SUPPLIER AND ARCH.



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2ND FLOOR FRAMING PLAN - AREA A & B

S121

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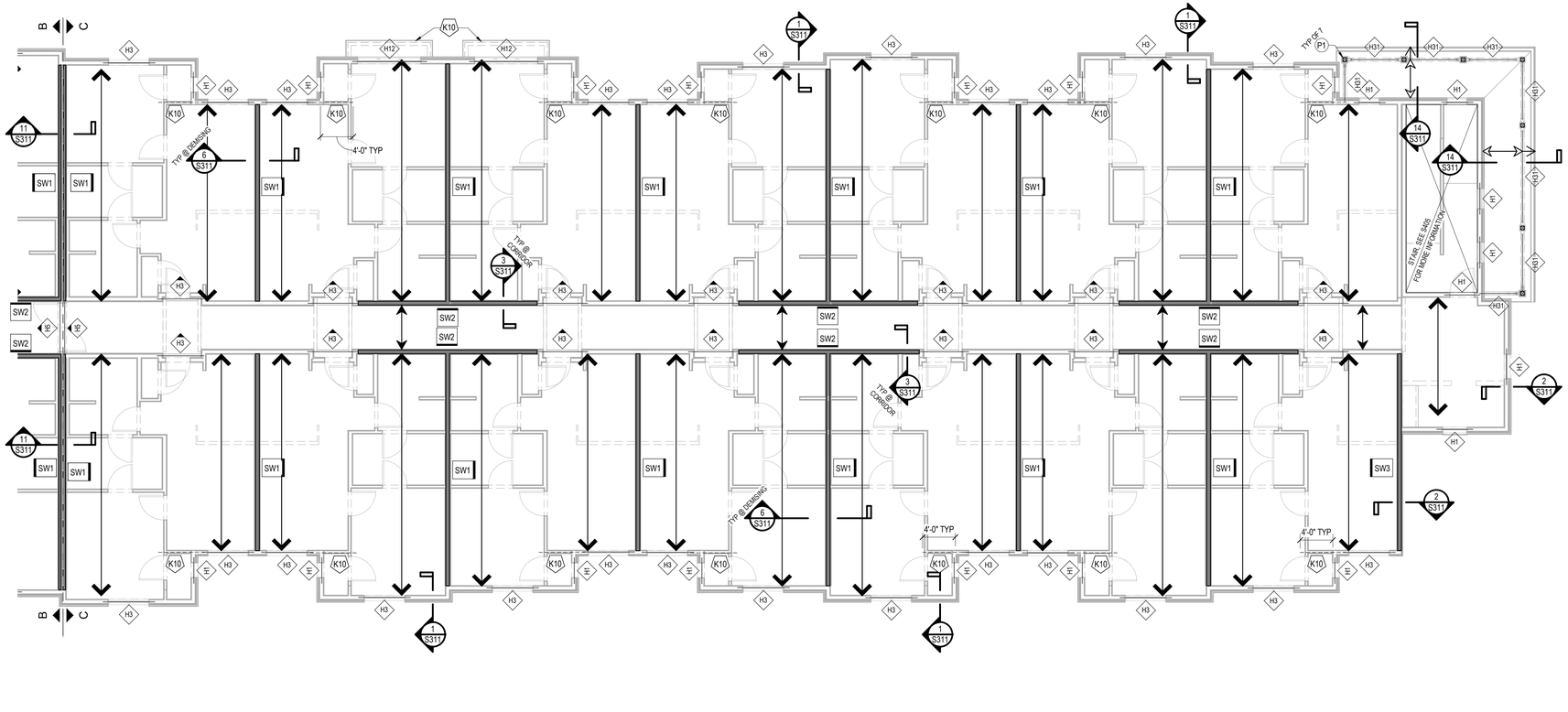

2ND FLOOR FRAMING PLAN - AREA C

1/8" = 1'-0"

NORTH

WOOD FLOOR & ROOF FRAMING PLAN NOTES:

1. T/FLOOR SHEATHING:
   A. SECOND FLOOR EL: 112'-1 7/8"
   B. THIRD FLOOR EL: 123'-4 1/2"
2. ROOF TRUSS BEARING EL: 132'-6 3/8"
3. T/STEEL EL 111'-10 1/8", UNLESS NOTED (±X'-XX") ON PLAN.
   A. STEEL FABRICATOR SHALL DESIGN BEAM END CONNECTIONS FOR UNFACTORED LOADS WHERE INDICATED ON PLAN.
4. BACKGROUND ARCHITECTURAL LAYOUT:
   A. LAYOUT SHOWN IS FLOOR BELOW.
   B. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS & ELEVATIONS.
   C. DIMENSIONS ARE TO FACE OF STUD OR MASONRY, UNO.
5. PROVIDE ADDITIONAL (2) 2x6 STUDS IN WALL AT EACH GUARDRAIL (DECK OR JULIET) CONNECTION TO WALL LOCATION, SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS. ADDITIONAL STUDS NOT REQUIRED IF CONNECTING TO WINDOW/DOOR OPENING JAMB.
6. REFERENCE UPPER LEVEL FLOOR & ROOF FRAMING PLANS & PLAN NOTES FOR ADDITIONAL LOCATIONS OF BEARING STUDS FROM ABOVE. PROVIDE WOOD STUDS & BLOCKING EQUAL TO OR WIDER THAN BEAM/GIRDER, CONTINUOUS TO BEAM/FOUNDATION.
7. PROVIDE (3) 2x6 BEARING STUDS UNLESS NOTED OTHERWISE AT EACH GIRDER TRUSS BEARING LOCATION. PROVIDE SOLID BLOCKING IN FLOOR SPACE, SEE "TYPICAL HOLDOWN AT GIRDER TRUSS" DETAIL ON TYPICAL FRAMING DETAILS SHEET. CONTINUE STUDS DOWN TO FOUNDATION OR BEAM.
8. TRUSS DESIGNER:
   A. SHEET S001-S002 STRUCTURAL NOTES & DESIGN CRITERIA.
   B. SHEET S004 COMPONENTS & CLADDING WIND LOADS.
   C. SHEET S004 DRIFTED SNOW LOADING PLANS.
   D. SHEET S002 HORIZONTAL DEFLECTION LIMITS.
   E. COORDINATE FINAL SIZE, LOCATION & WEIGHT OF RTU'S & ROOF OPENINGS w/ ARCHITECTURAL & MEP DRAWINGS PRIOR TO WOOD TRUSS SHOP DRAWING REVIEW.
9. REFER TO THE FOLLOWING:
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FRAMING PLAN KEYNOTES

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3. CROSS HATCH INDICATES 100 PSF DESIGN LIVE LOAD.
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5. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
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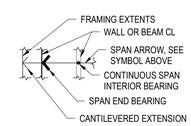
7. TRUSS DESIGNER TO COORDINATE w/ MEP AND ELEVATOR SUPPLIER FOR ELEVATOR EQUIPMENT LOADING THIS AREA.
8. PT 2x12 @ 16"oc w/ LUS210Z EA END.
9. CONTINUE HOLDOWN FROM SHEAR WALL ABOVE DOWN TO FOUNDATION.
10. PREFABRICATED CANOPY BY SUPPLIER. PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS.
11. CONTINUOUS CS20 METAL STRAP. LAP END OF STRAP 10" MIN ON WALL TOP PLATES. ALIGN 2x FLATWISE BLOCKING UNDER STRAP.
12. W8x13 HOIST BEAM. COORDINATE FINAL SIZE AND LOCATION w/ ELEVATOR SUPPLIER AND ARCH.

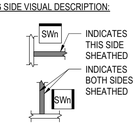
WOOD FRAMING LEGEND:

SYMBOL	DESCRIPTION
	24" DEEP WOOD FLOOR TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF OVERFRAMING TRUSSES @ 24"oc MAX. ATTACH EA OVERFRAMING TRUSS TO EA MAIN ROOF TRUSS BELOW w/ SIMPSON VTCR.
	2x10 JOISTS @ 24" oc w/ LUS28 EA END, TYPICAL UNLESS NOTED OTHERWISE.
	PT 2x10 JOISTS @ 24"oc w/ LUS28Z EA END, TYPICAL UNLESS NOTED OTHERWISE.
Hn	HEADER MARK, SEE HEADER SCHEDULE.
SWn	SHEAR WALL TYPE MARK. SOLID BLACK LINE INDICATES SHEATHING LOCATION ON WALL.
	SHEAR WALL EXTENTS. SEE PLAN FOR TYPE MARK.
Pn	WOOD POST, SEE SCHEDULE.

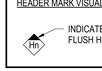
SPAN ARROW VISUAL DESCRIPTION:

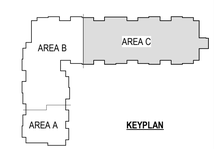


SHEATHING SIDE VISUAL DESCRIPTION:



HEADER MARK VISUAL DESCRIPTION:





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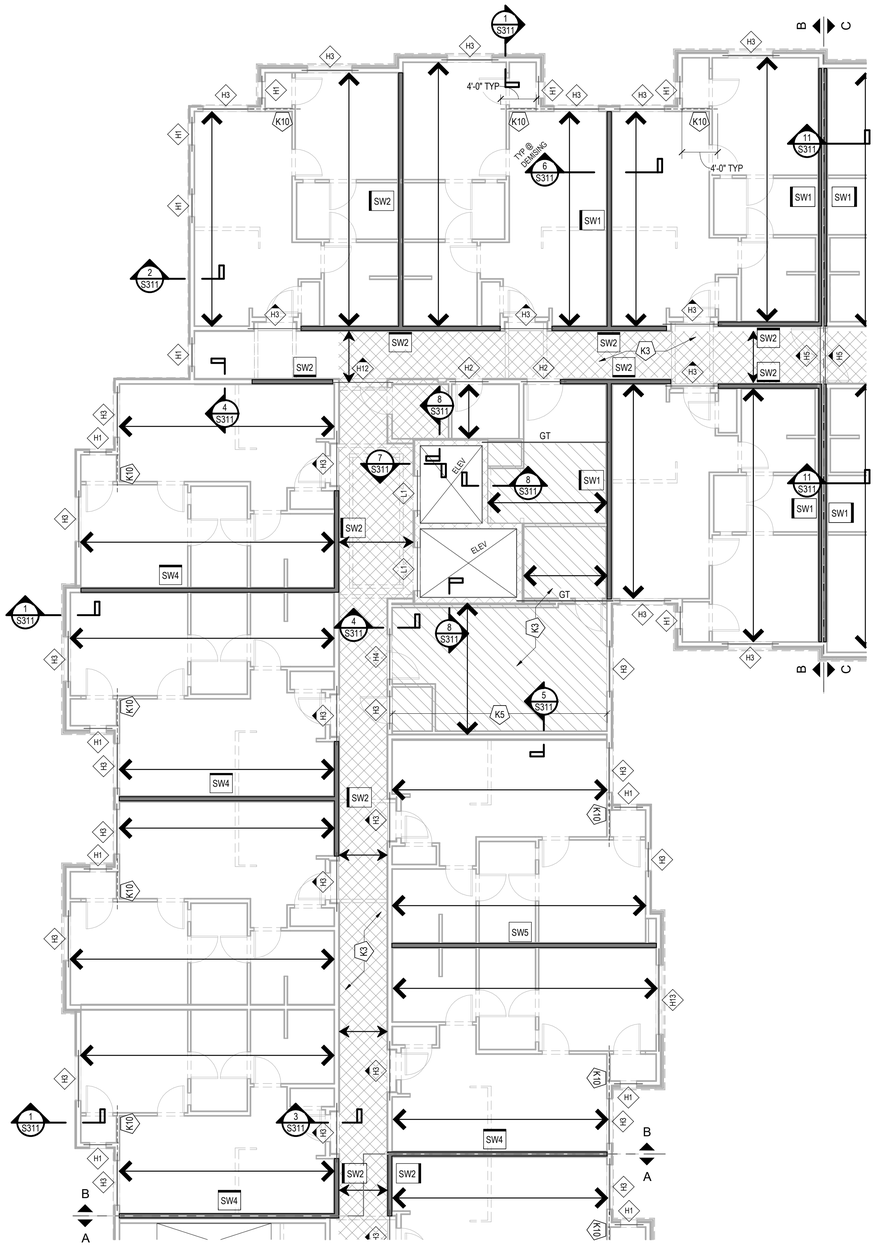
2ND FLOOR FRAMING PLAN - AREA C

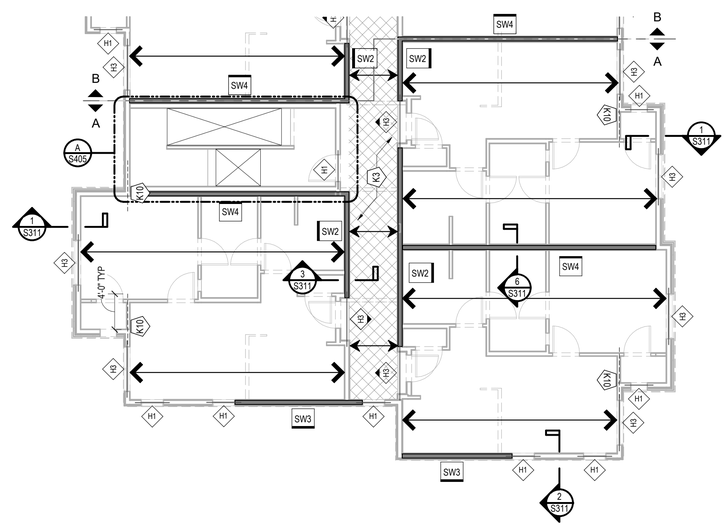
S122

1/15/2026 9:56:43 AM



3RD FLOOR FRAMING PLAN - AREA B
1/8" = 1'-0"

NORTH



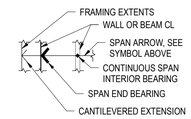
3RD FLOOR FRAMING PLAN - AREA A
1/8" = 1'-0"

NORTH

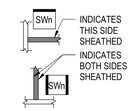
WOOD FRAMING LEGEND:

SYMBOL	DESCRIPTION
	24" DEEP WOOD FLOOR TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF OVERFRAMING TRUSSES @ 24"oc MAX. ATTACH EA OVERFRAMING TRUSS TO EA MAIN ROOF TRUSS BELOW w/ SIMPSON VTCR.
	2x10 JOISTS @ 24" oc w/ LUS28 EA END, TYPICAL UNLESS NOTED OTHERWISE.
	PT 2x10 JOISTS @ 24"oc w/ LUS28Z EA END, TYPICAL UNLESS NOTED OTHERWISE.
Hn	HEADER MARK, SEE HEADER SCHEDULE.
SWn	SHEAR WALL TYPE MARK. SOLID BLACK LINE INDICATES SHEATHING LOCATION ON WALL.
	SHEAR WALL EXTENTS. SEE PLAN FOR TYPE MARK.
Pn	WOOD POST, SEE SCHEDULE.

SPAN ARROW VISUAL DESCRIPTION:



SHEATHING SIDE VISUAL DESCRIPTION:



HEADER MARK VISUAL DESCRIPTION:

WOOD FLOOR & ROOF FRAMING PLAN NOTES:

1. T/FLOOR SHEATHING:
   A. SECOND FLOOR EL: 112'-1 7/8"
   B. THIRD FLOOR EL: 123'-4 1/2"
2. ROOF TRUSS BEARING EL: 132'-6 3/8"
3. T/STEEL EL 111'-10 1/8", UNLESS NOTED (±X'-XX") ON PLAN.
   A. STEEL FABRICATOR SHALL DESIGN BEAM END CONNECTIONS FOR UNFACTORED LOADS WHERE INDICATED ON PLAN.
4. BACKGROUND ARCHITECTURAL LAYOUT:
   A. LAYOUT SHOWN IS FLOOR BELOW.
   B. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS & ELEVATIONS.
   C. DIMENSIONS ARE TO FACE OF STUD OR MASONRY, UNO.
5. PROVIDE ADDITIONAL (2) 2x6 STUDS IN WALL AT EACH GUARDRAIL (DECK OR JULIET) CONNECTION TO WALL LOCATION, SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS. ADDITIONAL STUDS NOT REQUIRED IF CONNECTING TO WINDOW/DOOR OPENING JAMB.
6. REFERENCE UPPER LEVEL FLOOR & ROOF FRAMING PLANS & PLAN NOTES FOR ADDITIONAL LOCATIONS OF BEARING STUDS FROM ABOVE. PROVIDE WOOD STUDS & BLOCKING EQUAL TO OR WIDER THAN BEAM/GIRDER, CONTINUOUS TO BEAM/FOUNDATION.
7. PROVIDE (3) 2x6 BEARING STUDS UNLESS NOTED OTHERWISE AT EACH GIRDER TRUSS BEARING LOCATION. PROVIDE SOLID BLOCKING IN FLOOR SPACE, SEE "TYPICAL HOLDOWN AT GIRDER TRUSS" DETAIL ON TYPICAL FRAMING DETAILS SHEET. CONTINUE STUDS DOWN TO FOUNDATION OR BEAM.
8. TRUSS DESIGNER:
   A. SHEET S001-S002 STRUCTURAL NOTES & DESIGN CRITERIA.
   B. SHEET S004 COMPONENTS & CLADDING WIND LOADS.
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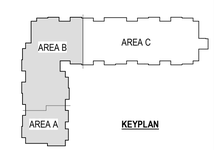
   D. SHEET S002 HORIZONTAL DEFLECTION LIMITS.
   E. COORDINATE FINAL SIZE, LOCATION & WEIGHT OF RTU'S & ROOF OPENINGS w/ ARCHITECTURAL & MEP DRAWINGS PRIOR TO WOOD TRUSS SHOP DRAWING REVIEW.
9. REFER TO THE FOLLOWING:
   A. SHEET S001-S002 STRUCTURAL NOTES, ABBREVIATIONS & LEGENDS (SYMBOLS).
   B. SHEET S001-S002 WOOD SHEATHING & WOOD STRUCTURE NOTES.
   C. SHEET S401 WOOD STUD WALL SCHEDULE & TYPICAL FRAMING DETAILS.
   D. SHEET S402 WOOD SHEAR WALL SCHEDULE & TYPICAL SHEAR WALL DETAILS.
   E. SHEET S404 WOOD TRUSS PERMANENT BRACING.
   F. SHEET S601 MASONRY SCHEDULES & TYPICAL MASONRY DETAILS.
   G. SHEET S601 LOOSE-LAID VENEER LINTEL SCHEDULE.

FRAMING PLAN KEYNOTES

1. BEAM TO BEAR ON SIMPSON HUC68 HANGER ATTACHED TO GFCMU w/ (14) ¼" ø x 2-1/4" TITEN TURBO HEX SCREWS.
2. BEAM TO BEAR ON SIMPSON HUC210-3 HANGER ATTACHED TO GFCMU w/ (14) ¼" ø x 2-1/4" TITEN TURBO HEX SCREWS.
3. CROSS HATCH INDICATES 100 PSF DESIGN LIVE LOAD.
4. SIMPSON HB212-3 FROM HEADER TO STEEL BEAM.
5. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
6. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
7. TRUSS DESIGNER TO COORDINATE w/ MEP AND ELEVATOR SUPPLIER FOR ELEVATOR EQUIPMENT LOADING THIS AREA.
8. PT 2x12 @ 16"oc w/ LUS210Z EA END.
9. CONTINUE HOLDOWN FROM SHEAR WALL ABOVE DOWN TO FOUNDATION.
10. PREFABRICATED CANOPY BY SUPPLIER. PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS.
11. CONTINUOUS CS20 METAL STRAP. LAP END OF STRAP 10" MIN ON WALL TOP PLATES. ALIGN 2x FLATWISE BLOCKING UNDER STRAP.
12. W8x13 HOIST BEAM. COORDINATE FINAL SIZE AND LOCATION w/ ELEVATOR SUPPLIER AND ARCH.



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Schaefer Project Number: 23-2168

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DATE : 01/06/2026

3RD FLOOR FRAMING PLAN - AREA A & B

S131

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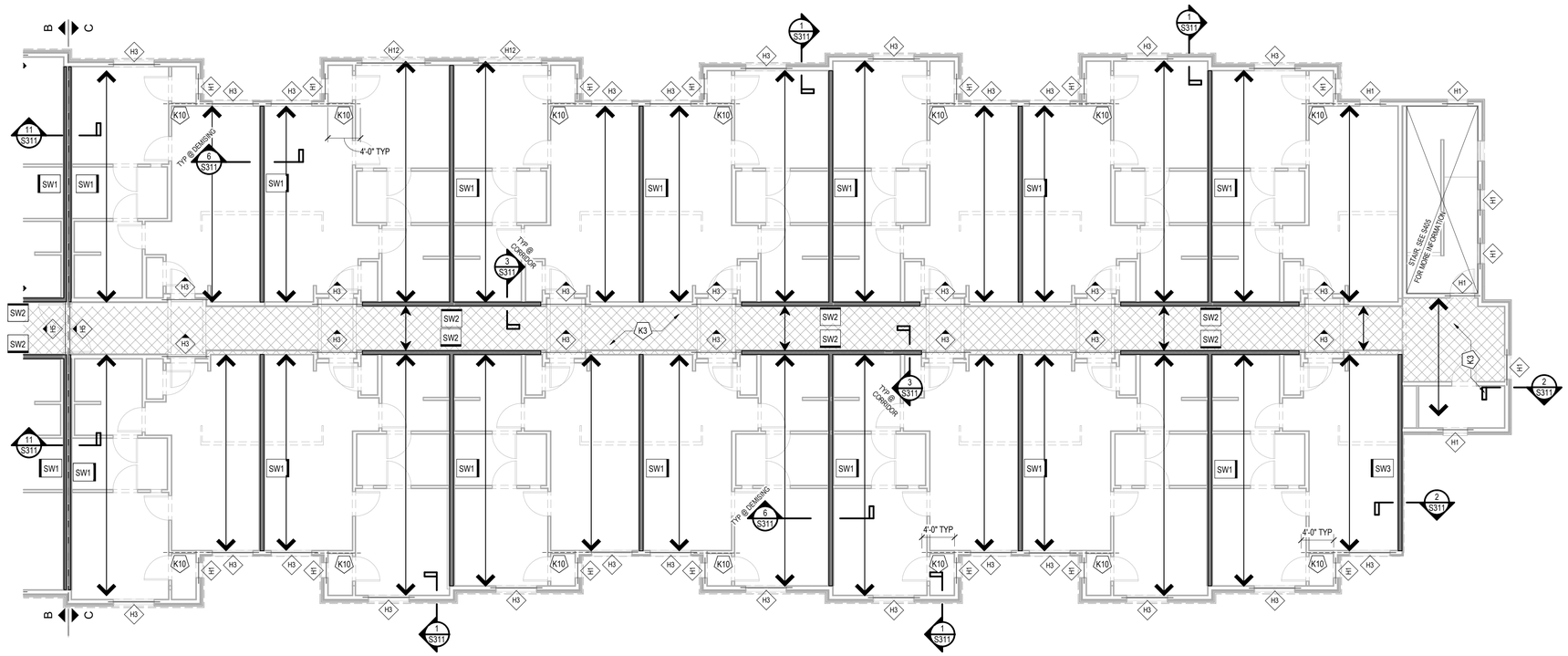

3RD FLOOR FRAMING PLAN - AREA C

1/8" = 1'-0"

NORTH

WOOD FLOOR & ROOF FRAMING PLAN NOTES:

1. T/FLOOR SHEATHING:
   A. SECOND FLOOR EL: 112'-1 7/8"
   B. THIRD FLOOR EL: 123'-4 1/2"
2. ROOF TRUSS BEARING EL: 132'-6 3/8"
3. T/STEEL EL 111'-10 1/8", UNLESS NOTED (±X'-XX") ON PLAN.
   A. STEEL FABRICATOR SHALL DESIGN BEAM END CONNECTIONS FOR UNFACTORED LOADS WHERE INDICATED ON PLAN.
4. BACKGROUND ARCHITECTURAL LAYOUT:
   A. LAYOUT SHOWN IS FLOOR BELOW.
   B. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS & ELEVATIONS.
   C. DIMENSIONS ARE TO FACE OF STUD OR MASONRY, UNO.
5. PROVIDE ADDITIONAL (2) 2x6 STUDS IN WALL AT EACH GUARDRAIL (DECK OR JULIET) CONNECTION TO WALL LOCATION, SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS. ADDITIONAL STUDS NOT REQUIRED IF CONNECTING TO WINDOW/DOOR OPENING JAMB.
6. REFERENCE UPPER LEVEL FLOOR & ROOF FRAMING PLANS & PLAN NOTES FOR ADDITIONAL LOCATIONS OF BEARING STUDS FROM ABOVE. PROVIDE WOOD STUDS & BLOCKING EQUAL TO OR WIDER THAN BEAM/GIRDER, CONTINUOUS TO BEAM/FOUNDATION.
7. PROVIDE (3) 2x6 BEARING STUDS UNLESS NOTED OTHERWISE AT EACH GIRDER TRUSS BEARING LOCATION. PROVIDE SOLID BLOCKING IN FLOOR SPACE, SEE "TYPICAL HOLDOWN AT GIRDER TRUSS" DETAIL ON TYPICAL FRAMING DETAILS SHEET. CONTINUE STUDS DOWN TO FOUNDATION OR BEAM.
8. TRUSS DESIGNER:
   A. SHEET S001-S002 STRUCTURAL NOTES & DESIGN CRITERIA.
   B. SHEET S004 COMPONENTS & CLADDING WIND LOADS.
   C. SHEET S004 DRIFTED SNOW LOADING PLANS.
   D. SHEET S002 HORIZONTAL DEFLECTION LIMITS.
   E. COORDINATE FINAL SIZE, LOCATION & WEIGHT OF RTU'S & ROOF OPENINGS w/ ARCHITECTURAL & MEP DRAWINGS PRIOR TO WOOD TRUSS SHOP DRAWING REVIEW.
9. REFER TO THE FOLLOWING:
   A. SHEET S001-S002 STRUCTURAL NOTES, ABBREVIATIONS & LEGENDS (SYMBOLS)
   B. SHEET S001-S002 WOOD SHEATHING & WOOD STRUCTURE NOTES.
   C. SHEET S401 WOOD STUD WALL SCHEDULE & TYPICAL FRAMING DETAILS.
   D. SHEET S402 WOOD SHEAR WALL SCHEDULE & TYPICAL SHEAR WALL DETAILS.
   E. SHEET S404 WOOD TRUSS PERMANENT BRACING.
   F. SHEET S601 MASONRY SCHEDULES & TYPICAL MASONRY DETAILS.
   G. SHEET S601 LOOSE-LAID VENEER LINTEL SCHEDULE.

FRAMING PLAN KEYNOTES

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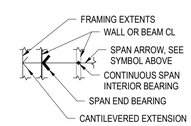
2. BEAM TO BEAR ON SIMPSON HUC210-3 HANGER ATTACHED TO GFCMU w/ (14) ¼" ø x 2-1/4" TITEN TURBO HEX SCREWS.
3. CROSS HATCH INDICATES 100 PSF DESIGN LIVE LOAD.
4. SIMPSON HB212-3 FROM HEADER TO STEEL BEAM.
5. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
6. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
7. TRUSS DESIGNER TO COORDINATE w/ MEP AND ELEVATOR SUPPLIER FOR ELEVATOR EQUIPMENT LOADING THIS AREA.
8. PT 2x12 @ 16"oc w/ LUS210Z EA END.
9. CONTINUE HOLDOWN FROM SHEAR WALL ABOVE DOWN TO FOUNDATION.
10. PREFABRICATED CANOPY BY SUPPLIER. PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS.
11. CONTINUOUS CS20 METAL STRAP. LAP END OF STRAP 10" MIN ON WALL TOP PLATES. ALIGN 2x FLATWISE BLOCKING UNDER STRAP.
12. W8x13 HOIST BEAM. COORDINATE FINAL SIZE AND LOCATION w/ ELEVATOR SUPPLIER AND ARCH.

WOOD FRAMING LEGEND:

SYMBOL	DESCRIPTION
	24" DEEP WOOD FLOOR TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF OVERFRAMING TRUSSES @ 24"oc MAX. ATTACH EA OVERFRAMING TRUSS TO EA MAIN ROOF TRUSS BELOW w/ SIMPSON VTCR.
	2x10 JOISTS @ 24" oc w/ LUS28 EA END, TYPICAL UNLESS NOTED OTHERWISE.
	PT 2x10 JOISTS @ 24"oc w/ LUS28Z EA END, TYPICAL UNLESS NOTED OTHERWISE.
Hn	HEADER MARK, SEE HEADER SCHEDULE.
SWn	SHEAR WALL TYPE MARK. SOLID BLACK LINE INDICATES SHEATHING LOCATION ON WALL.
	SHEAR WALL EXTENTS. SEE PLAN FOR TYPE MARK.
Pn	WOOD POST, SEE SCHEDULE.

SPAN ARROW VISUAL DESCRIPTION:



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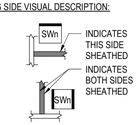

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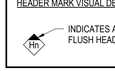

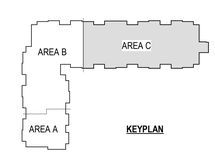

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3RD FLOOR FRAMING PLAN - AREA C

S132

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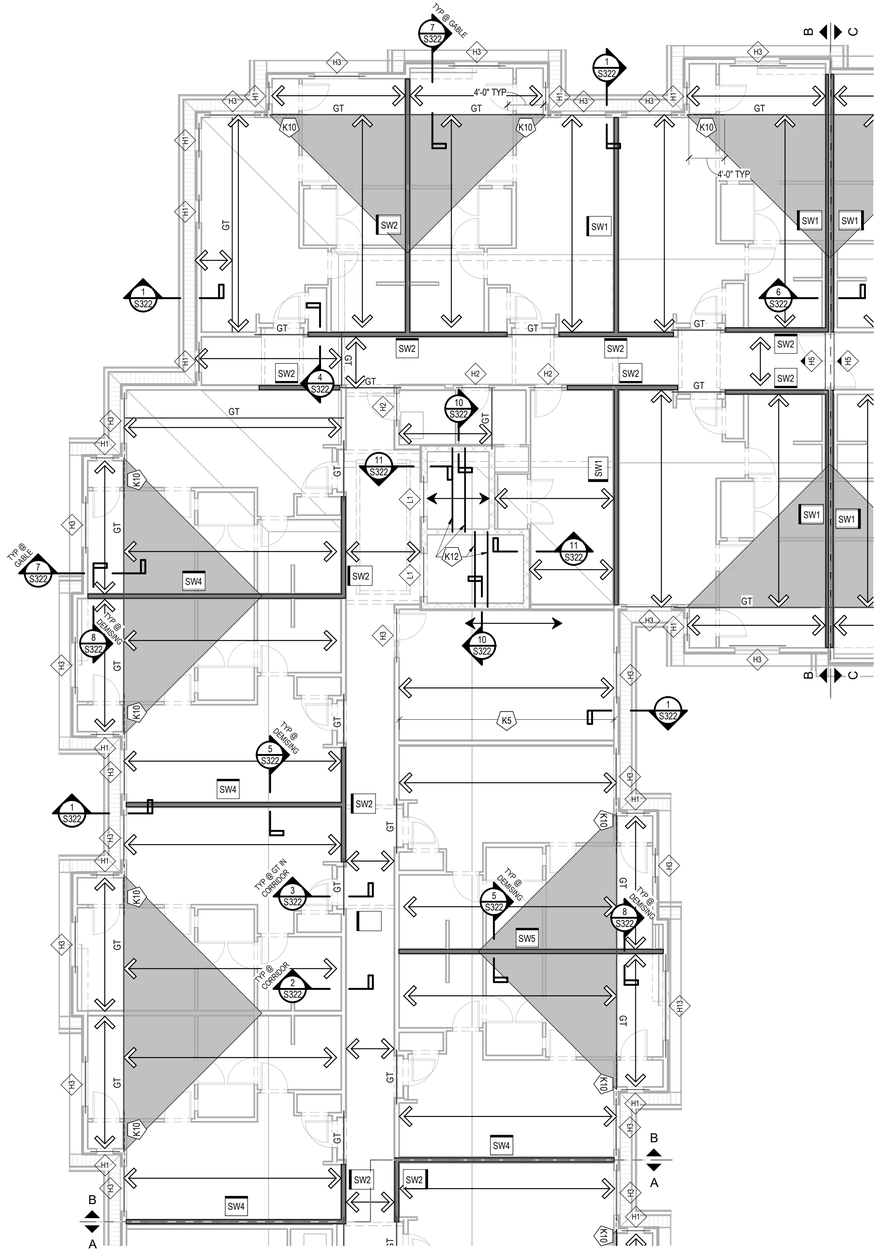
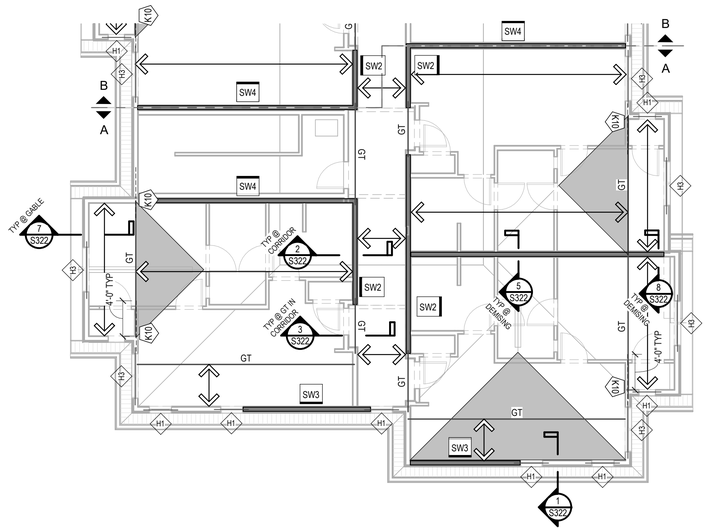


ROOF FRAMING PLAN - AREA B
1/8" = 1'-0"

NORTH



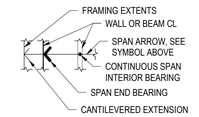
ROOF FRAMING PLAN - AREA A
1/8" = 1'-0"

NORTH

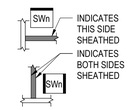
WOOD FRAMING LEGEND:

SYMBOL	DESCRIPTION
	24" DEEP WOOD FLOOR TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF OVERFRAMING TRUSSES @ 24"oc MAX. ATTACH EA OVERFRAMING TRUSS TO EA MAIN ROOF TRUSS BELOW w/ SIMPSON VTCR.
	2x10 JOISTS @ 24" oc w/ LUS28 EA END, TYPICAL UNLESS NOTED OTHERWISE.
	PT 2x10 JOISTS @ 24"oc w/ LUS28Z EA END, TYPICAL UNLESS NOTED OTHERWISE.
Hn	HEADER MARK, SEE HEADER SCHEDULE.
SWn	SHEAR WALL TYPE MARK. SOLID BLACK LINE INDICATES SHEATHING LOCATION ON WALL.
	SHEAR WALL EXTENTS. SEE PLAN FOR TYPE MARK.
Pn	WOOD POST, SEE SCHEDULE.

SPAN ARROW VISUAL DESCRIPTION:



SHEATHING SIDE VISUAL DESCRIPTION:



HEADER MARK VISUAL DESCRIPTION:

WOOD FLOOR & ROOF FRAMING PLAN NOTES:

1. T/FLOOR SHEATHING:
   A. SECOND FLOOR EL: 112'-1 7/8"
   B. THIRD FLOOR EL: 123'-4 1/2"
2. ROOF TRUSS BEARING EL: 132'-6 3/8"
3. T/STEEL EL 111'-10 1/8", UNLESS NOTED (±X'-XX") ON PLAN.
   A. STEEL FABRICATOR SHALL DESIGN BEAM END CONNECTIONS FOR UNFACTORED LOADS WHERE INDICATED ON PLAN.
4. BACKGROUND ARCHITECTURAL LAYOUT:
   A. LAYOUT SHOWN IS FLOOR BELOW.
   B. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS & ELEVATIONS.
   C. DIMENSIONS ARE TO FACE OF STUD OR MASONRY, UNO.
5. PROVIDE ADDITIONAL (2) 2x6 STUDS IN WALL AT EACH GUARDRAIL (DECK OR JULIET) CONNECTION TO WALL LOCATION, SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS. ADDITIONAL STUDS NOT REQUIRED IF CONNECTING TO WINDOW/DOOR OPENING JAMB.
6. REFERENCE UPPER LEVEL FLOOR & ROOF FRAMING PLANS & PLAN NOTES FOR ADDITIONAL LOCATIONS OF BEARING STUDS FROM ABOVE. PROVIDE WOOD STUDS & BLOCKING EQUAL TO OR WIDER THAN BEAM/GIRDER, CONTINUOUS TO BEAM/FOUNDATION.
7. PROVIDE (3) 2x6 BEARING STUDS UNLESS NOTED OTHERWISE AT EACH GIRDER TRUSS BEARING LOCATION. PROVIDE SOLID BLOCKING IN FLOOR SPACE, SEE "TYPICAL HOLDOWN AT GIRDER TRUSS" DETAIL ON TYPICAL FRAMING DETAILS SHEET. CONTINUE STUDS DOWN TO FOUNDATION OR BEAM.
8. TRUSS DESIGNER:
   A. SHEET S001-S002 — STRUCTURAL NOTES & DESIGN CRITERIA.
   B. SHEET S004 — COMPONENTS & CLADDING WIND LOADS.
   C. SHEET S004 — DRIFTED SNOW LOADING PLANS.
   D. SHEET S002 — HORIZONTAL DEFLECTION LIMITS.
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   B. SHEET S001-S002 — WOOD SHEATHING & WOOD STRUCTURE NOTES.
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   D. SHEET S402 — WOOD SHEAR WALL SCHEDULE & TYPICAL SHEAR WALL DETAILS.
   E. SHEET S404 — WOOD TRUSS PERMANENT BRACING.
   F. SHEET S601 — MASONRY SCHEDULES & TYPICAL MASONRY DETAILS.
   G. SHEET S601 — LOOSE-LAID VENEER LINTEL SCHEDULE.

FRAMING PLAN KEYNOTES

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2. BEAM TO BEAR ON SIMPSON HUC210-3 HANGER ATTACHED TO GFCMU w/ (14) ¼" ø x 2-1/4" TITEN TURBO HEX SCREWS.
3. CROSS HATCH INDICATES 100 PSF DESIGN LIVE LOAD.
4. SIMPSON HB212-3 FROM HEADER TO STEEL BEAM.
5. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
6. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
7. TRUSS DESIGNER TO COORDINATE w/ MEP AND ELEVATOR SUPPLIER FOR ELEVATOR EQUIPMENT LOADING THIS AREA.
8. PT 2x12 @ 16"oc w/ LUS210Z EA END.
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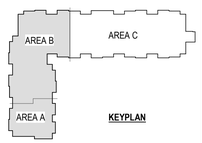
12. W8x13 HOIST BEAM. COORDINATE FINAL SIZE AND LOCATION w/ ELEVATOR SUPPLIER AND ARCH.



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ROOF FRAMING PLAN - AREA A & B

S141

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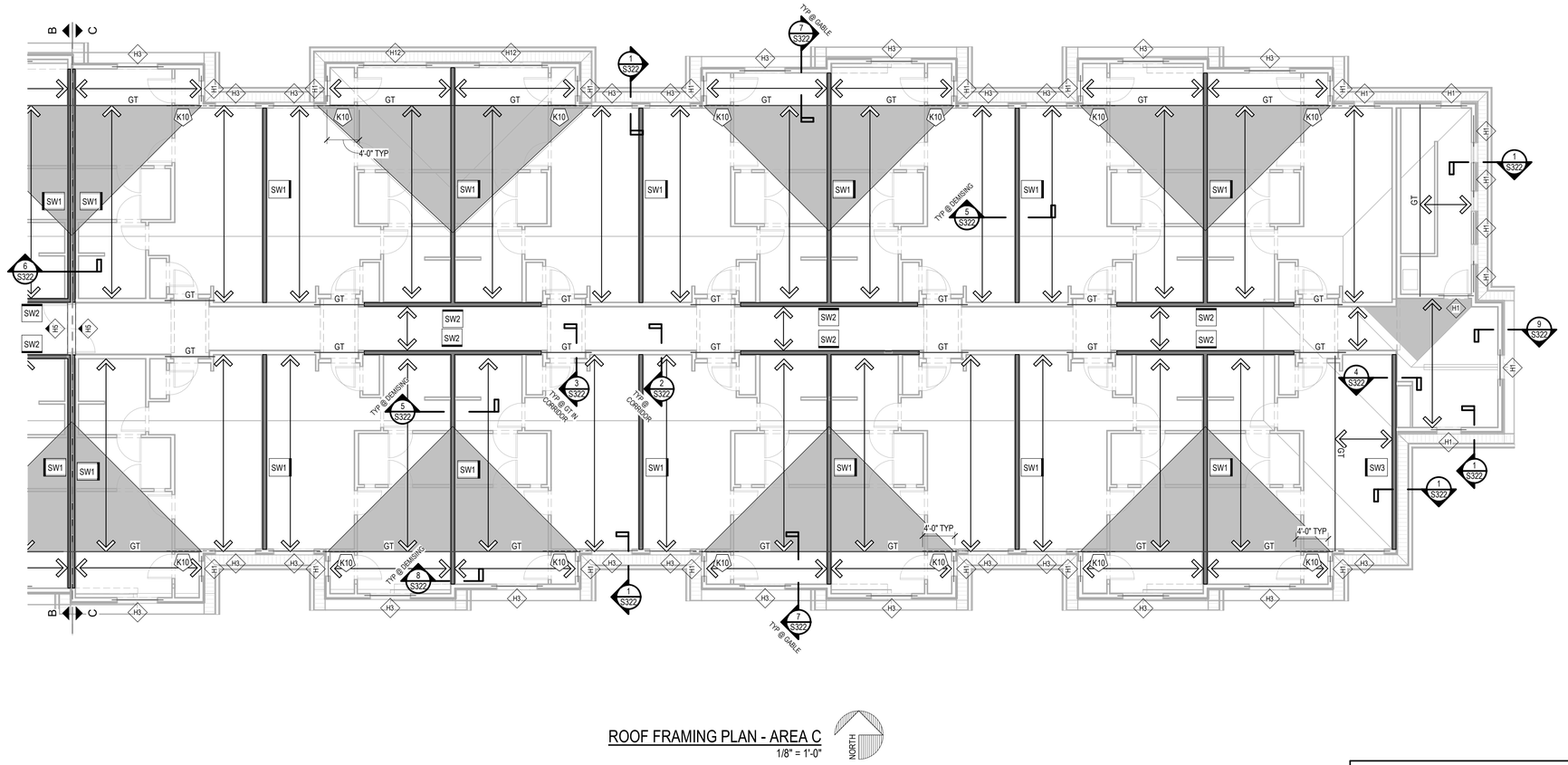

ROOF FRAMING PLAN - AREA C

1/8" = 1'-0"

NORTH

WOOD FLOOR & ROOF FRAMING PLAN NOTES:

1. T/FLOOR SHEATHING:
   A. SECOND FLOOR EL: 112'-1 7/8"
   B. THIRD FLOOR EL: 123'-4 1/2"
2. ROOF TRUSS BEARING EL: 132'-6 3/8"
3. T/STEEL EL 111'-10 1/8", UNLESS NOTED (±X'-XX") ON PLAN.
   A. STEEL FABRICATOR SHALL DESIGN BEAM END CONNECTIONS FOR UNFACTORED LOADS WHERE INDICATED ON PLAN.
4. BACKGROUND ARCHITECTURAL LAYOUT:
   A. LAYOUT SHOWN IS FLOOR BELOW.
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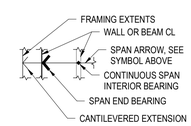
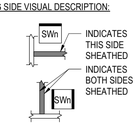
	WOOD ROOF OVERFRAMING TRUSSES @ 24"oc MAX. ATTACH EA OVERFRAMING TRUSS TO EA MAIN ROOF TRUSS BELOW w/ SIMPSON VTCR.
	2x10 JOISTS @ 24" oc w/ LUS28 EA END, TYPICAL UNLESS NOTED OTHERWISE.
	PT 2x10 JOISTS @ 24"oc w/ LUS28Z EA END, TYPICAL UNLESS NOTED OTHERWISE.
Hn	HEADER MARK, SEE HEADER SCHEDULE.
SWn	SHEAR WALL TYPE MARK. SOLID BLACK LINE INDICATES SHEATHING LOCATION ON WALL.
	SHEAR WALL EXTENTS. SEE PLAN FOR TYPE MARK.
Pn	WOOD POST, SEE SCHEDULE.

SPAN ARROW VISUAL DESCRIPTION:



SHEATHING SIDE VISUAL DESCRIPTION:



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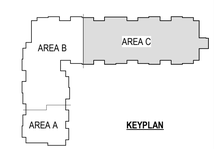

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Schaefer Project Number: 23-2168

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JOB NO. : 2025-21
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ROOF FRAMING PLAN - AREA C

S142

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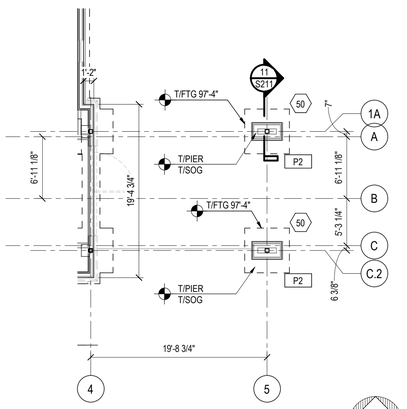
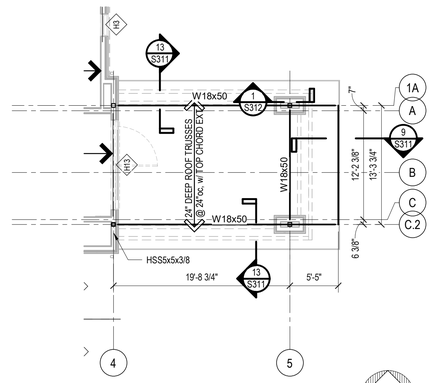


PORTE COCHERE FOUNDATION
1/8" = 1'-0"



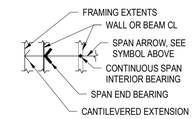
PORTE COCHERE FRAMING PLAN
1/8" = 1'-0"

NORTH

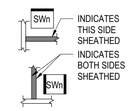
WOOD FRAMING LEGEND:

SYMBOL	DESCRIPTION
	24" DEEP WOOD FLOOR TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.
	WOOD ROOF OVERFRAMING TRUSSES @ 24"oc MAX. ATTACH EA OVERFRAMING TRUSS TO EA MAIN ROOF TRUSS BELOW w/ SIMPSON VTCR.
	2x10 JOISTS @ 24" oc w/ LUS28 EA END, TYPICAL UNLESS NOTED OTHERWISE.
	PT 2x10 JOISTS @ 24"oc w/ LUS28Z EA END, TYPICAL UNLESS NOTED OTHERWISE.
Hn	HEADER MARK, SEE HEADER SCHEDULE.
SWn	SHEAR WALL TYPE MARK. SOLID BLACK LINE INDICATES SHEATHING LOCATION ON WALL.
	SHEAR WALL EXTENTS. SEE PLAN FOR TYPE MARK.
Pn	WOOD POST, SEE SCHEDULE.

SPAN ARROW VISUAL DESCRIPTION:



SHEATHING SIDE VISUAL DESCRIPTION:



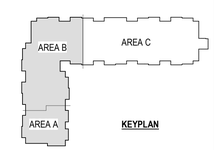
HEADER MARK VISUAL DESCRIPTION:

WOOD FLOOR & ROOF FRAMING PLAN NOTES:

1. T/FLOOR SHEATHING:
   A. SECOND FLOOR EL: 112'-1 7/8"
   B. THIRD FLOOR EL: 123'-4 1/2"
2. ROOF TRUSS BEARING EL: 132'-6 3/8"
3. T/STEEL EL 111'-10 1/8", UNLESS NOTED (±X'-XX") ON PLAN.
   A. STEEL FABRICATOR SHALL DESIGN BEAM END CONNECTIONS FOR UNFACTORED LOADS WHERE INDICATED ON PLAN.
4. BACKGROUND ARCHITECTURAL LAYOUT:
   A. LAYOUT SHOWN IS FLOOR BELOW.
   B. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS & ELEVATIONS.
   C. DIMENSIONS ARE TO FACE OF STUD OR MASONRY, UNO.
5. PROVIDE ADDITIONAL (2) 2x6 STUDS IN WALL AT EACH GUARDRAIL (DECK OR JULIET) CONNECTION TO WALL LOCATION, SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS. ADDITIONAL STUDS NOT REQUIRED IF CONNECTING TO WINDOW/DOOR OPENING JAMB.
6. REFERENCE UPPER LEVEL FLOOR & ROOF FRAMING PLANS & PLAN NOTES FOR ADDITIONAL LOCATIONS OF BEARING STUDS FROM ABOVE. PROVIDE WOOD STUDS & BLOCKING EQUAL TO OR WIDER THAN BEAM/GIRDER, CONTINUOUS TO BEAM/FOUNDATION.
7. PROVIDE (3) 2x6 BEARING STUDS UNLESS NOTED OTHERWISE AT EACH GIRDER TRUSS BEARING LOCATION. PROVIDE SOLID BLOCKING IN FLOOR SPACE, SEE "TYPICAL HOLDOWN AT GIRDER TRUSS" DETAIL ON TYPICAL FRAMING DETAILS SHEET. CONTINUE STUDS DOWN TO FOUNDATION OR BEAM.
8. TRUSS DESIGNER:
   A. SHEET S001-S002 STRUCTURAL NOTES & DESIGN CRITERIA.
   B. SHEET S004 COMPONENTS & CLADDING WIND LOADS.
   C. SHEET S004 DRIFTED SNOW LOADING PLANS.
   D. SHEET S002 HORIZONTAL DEFLECTION LIMITS.
   E. COORDINATE FINAL SIZE, LOCATION & WEIGHT OF RTU'S & ROOF OPENINGS w/ ARCHITECTURAL & MEP DRAWINGS PRIOR TO WOOD TRUSS SHOP DRAWING REVIEW.
9. REFER TO THE FOLLOWING:
   A. SHEET S001-S002 STRUCTURAL NOTES, ABBREVIATIONS & LEGENDS (SYMBOLS)
   B. SHEET S001-S002 WOOD SHEATHING & WOOD STRUCTURE NOTES.
   C. SHEET S401 WOOD STUD WALL SCHEDULE & TYPICAL FRAMING DETAILS.
   D. SHEET S402 WOOD SHEAR WALL SCHEDULE & TYPICAL SHEAR WALL DETAILS.
   E. SHEET S404 WOOD TRUSS PERMANENT BRACING.
   F. SHEET S601 MASONRY SCHEDULES & TYPICAL MASONRY DETAILS.
   G. SHEET S601 LOOSE-LAID VENEER LINTEL SCHEDULE.

FRAMING PLAN KEYNOTES

1. BEAM TO BEAR ON SIMPSON HUC68 HANGER ATTACHED TO GFCMU w/ (14) ¼" ø x 2-1/4" TITEN TURBO HEX SCREWS.
2. BEAM TO BEAR ON SIMPSON HUC210-3 HANGER ATTACHED TO GFCMU w/ (14) ¼" ø x 2-1/4" TITEN TURBO HEX SCREWS.
3. CROSS HATCH INDICATES 100 PSF DESIGN LIVE LOAD.
4. SIMPSON HB212-3 FROM HEADER TO STEEL BEAM.
5. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
6. INDICATES ADDITIONAL STUDS REQUIRED, SEE WALL SCHEDULE.
7. TRUSS DESIGNER TO COORDINATE w/ MEP AND ELEVATOR SUPPLIER FOR ELEVATOR EQUIPMENT LOADING THIS AREA.
8. PT 2x12 @ 16"oc w/ LUS210Z EA END.
9. CONTINUE HOLDOWN FROM SHEAR WALL ABOVE DOWN TO FOUNDATION.
10. PREFABRICATED CANOPY BY SUPPLIER. PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS.
11. CONTINUOUS CS20 METAL STRAP. LAP END OF STRAP 10" MIN ON WALL TOP PLATES. ALIGN 2x FLATWISE BLOCKING UNDER STRAP.
12. W8x13 HOIST BEAM. COORDINATE FINAL SIZE AND LOCATION w/ ELEVATOR SUPPLIER AND ARCH.



KEYPLAN

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PORTE COCHERE FOUNDATION & ROOF FRAMING PLAN

S151

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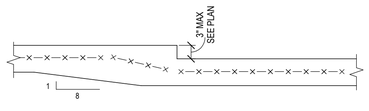
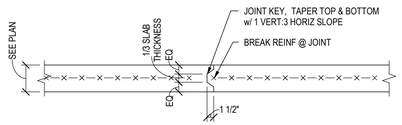


NOTE: CONTRACTOR SHALL VERIFY SLAB DEPRESSION DEPTH & EXTENTS w/ FINAL SELECTION OF FLOORING &/OR EQUIPMENT AT SLAB DEPRESSION

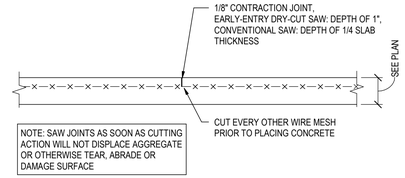
TYPICAL SLAB ON GRADE DEPRESSION ≤ 3"

NTS



SLAB ON GRADE TYPICAL CONSTRUCTION JOINT

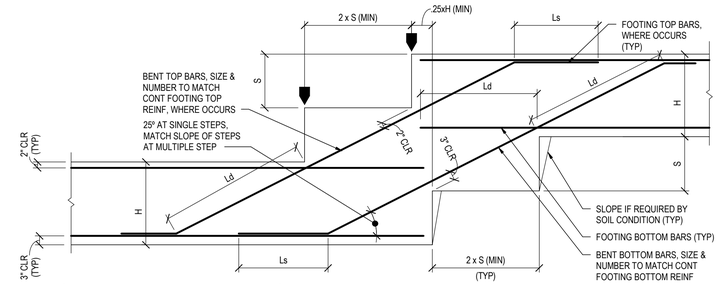
NTS



NOTE: SAW JOINTS AS SOON AS CUTTING ACTION WILL NOT DISPLACE AGGREGATE OR OTHERWISE TEAR, ABRADE OR DAMAGE SURFACE

SLAB ON GRADE TYPICAL CONTRACTION JOINT

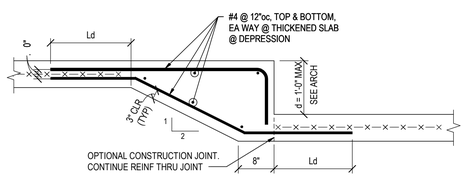
NTS



NOTES:
1. SEE PLAN FOR FTG SIZE & REINF
2. S = STEP IN FOOTING (TOP & BOTTOM), 2'-0" MAX
   H = DEPTH OF FOOTING

TYPICAL STEP IN FOOTING

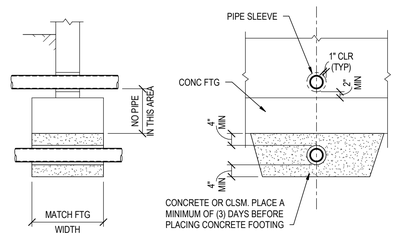
NTS



NOTE: CONTRACTOR SHALL VERIFY SLAB DEPRESSION DEPTH & EXTENTS w/ FINAL SELECTION OF FLOORING AND/OR EQUIPMENT AT SLAB DEPRESSION

TYPICAL SLAB ON GRADE DEPRESSION 3"< d ≤ 12"

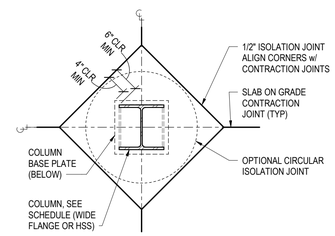
NTS



NOTES:
1. REINFORCE OPENINGS FOR SLEEVES OR GROUPS OF SLEEVES LARGER THAN 10" PER THE TYPICAL WALL OPENING DETAIL. "GROUPS" OF SLEEVES INCLUDES ALL SLEEVES SPACED CLOSER THAN ONE DIAMETER APART.
2. SEE MECHANICAL AND CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS AT SLEEVES.

TYPICAL PIPE SLEEVE THROUGH STRIP FOOTING

NTS



TYPICAL COLUMN BOX OUT ISOLATION JOINT

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TYPICAL FOUNDATION DETAILS & SECTIONS

S201

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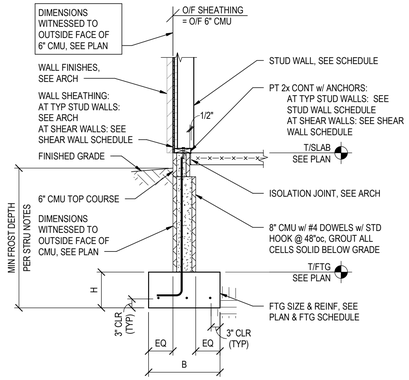
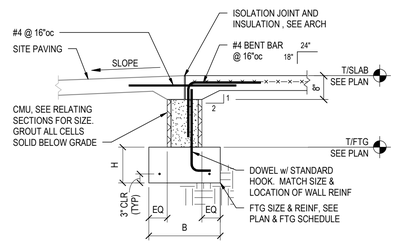


SECTION 1 / S211
1/2" = 1'-0"



SECTION 2 / S211
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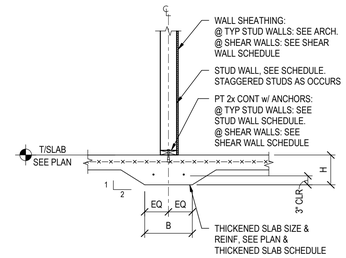

SECTION 3 / S211
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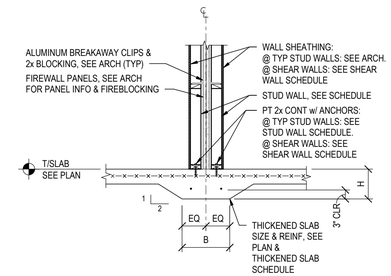

SECTION 4 / S211
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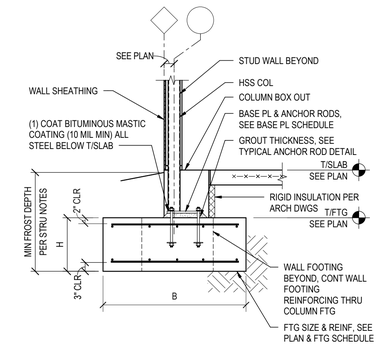

SECTION 5 / S211
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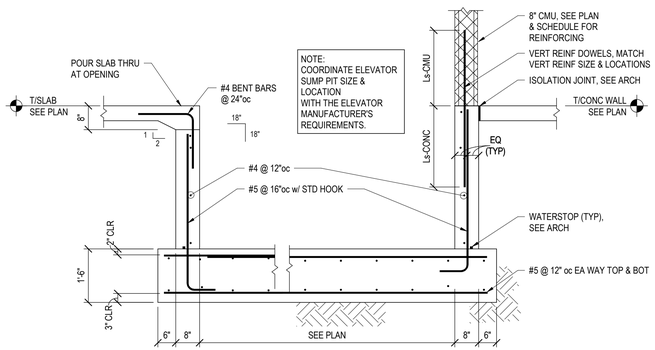

SECTION 6 / S211
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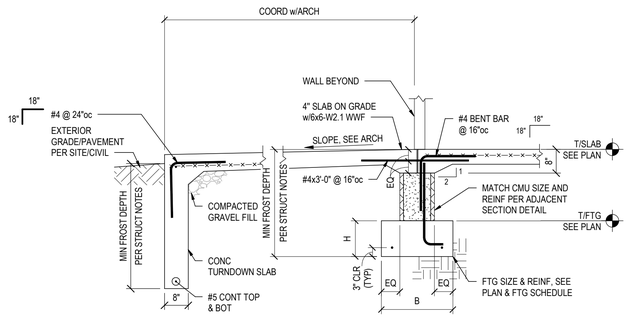

SECTION 7 / S211
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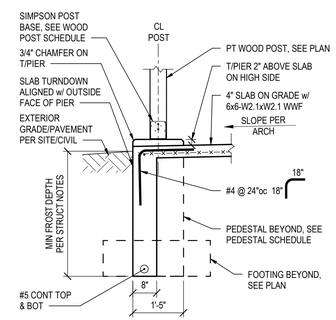

SECTION 8 / S211
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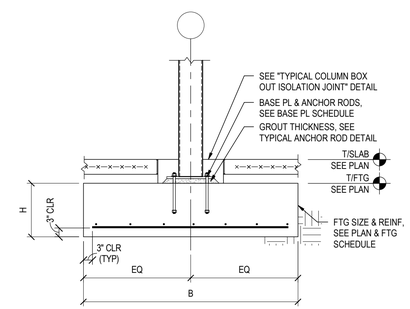
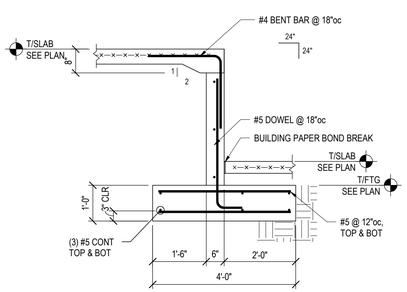


SECTION 9 / S211
1/2" = 1'-0"



SECTION 10 / S211
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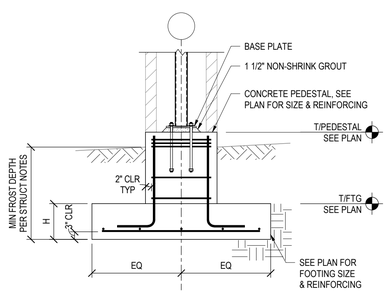

SECTION 11 / S211
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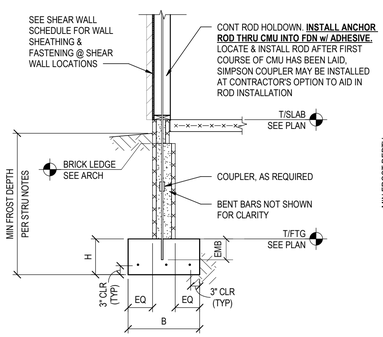
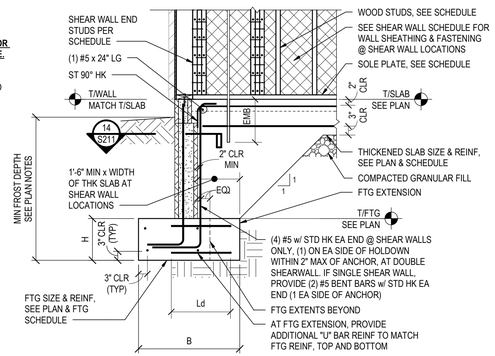


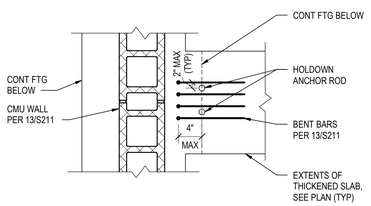
SECTION 12 / S211
1/2" = 1'-0"

NOTES:
1. SEE 1/S201 FOR BALANCE OF INFO.



SECTION 13 / S211
1/2" = 1'-0"

NOTES:
1. ADDITIONAL REINF IN THICKENED SLAB NOT SHOWN FOR CLARITY
2. DETAIL APPLIES TO DOUBLE SHEAR WALL. AT SINGLE SHEAR WALL, PROVIDE (1) BENT BAR EA SIDE OF ANCHOR



SECTION 14 / S211
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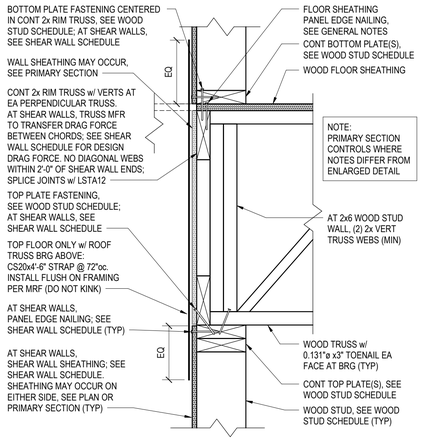
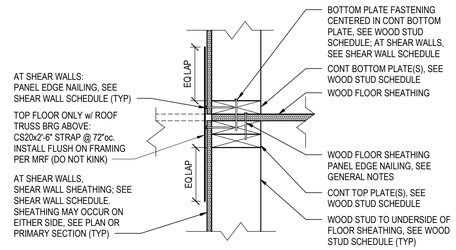
FOUNDATION DETAILS & SECTIONS

S211

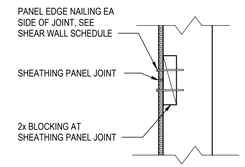
1/15/2026 9:57:11 AM



DETAIL 1 / S301
NTS



DETAIL 2 / S301
NTS



DETAIL 3 / S301
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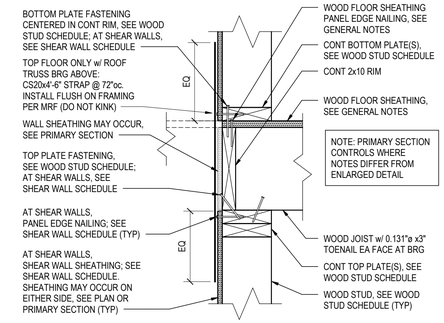
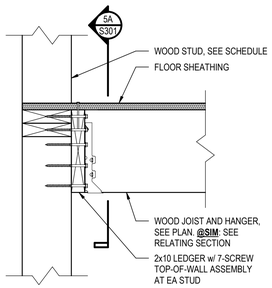


DETAIL 4 / S301
NTS



DETAIL 5 / S301
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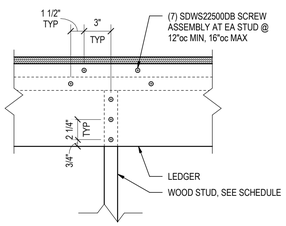
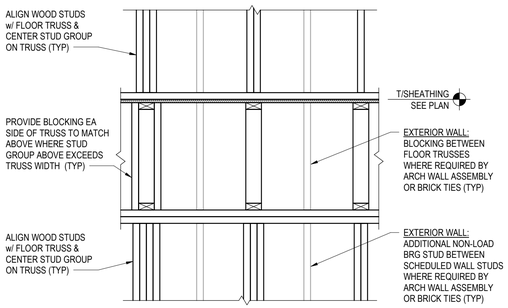
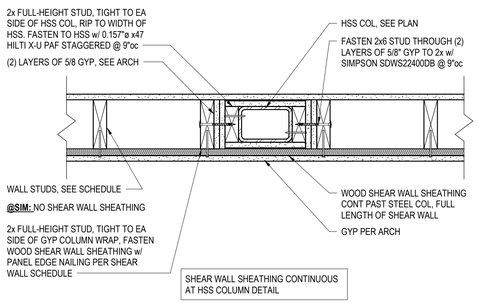


DETAIL 5A / S301
NTS



NOTE:
1. FRAMING BEYOND NOT SHOWN FOR CLARITY
2. PROVIDE STUD QUANTITIES INDICATED IN WOOD STUD SCHEDULE

SECTION 6 / S301
NTS



SHEAR WALL SHEATHING CONTINUOUS AT HSS COLUMN DETAIL

SECTION 7 / S301
NTS

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Schaefer Project Number: 23-2168

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1038 Salem Avenue Dayton, Ohio 45406

NATIONAL CHURCH RESIDENCES
2245 North Bank Drive Columbus, Ohio 43220

NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
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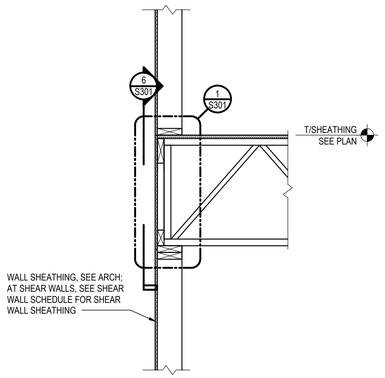
DATE : 01/06/2026

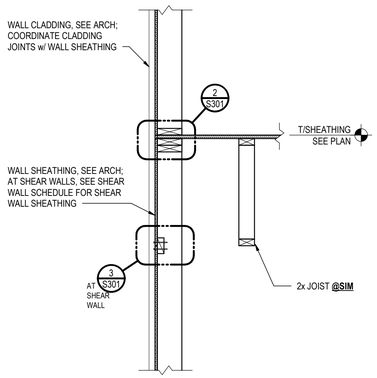
TYPICAL FLOOR FRAMING DETAILS

S301

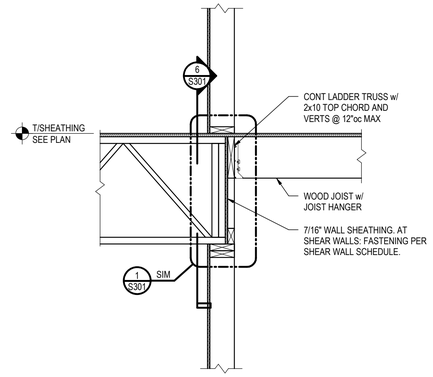
1/15/2026 9:57:12 AM



SECTION 1 / S311
NTS



SECTION 2 / S311
NTS



SECTION 3 / S311
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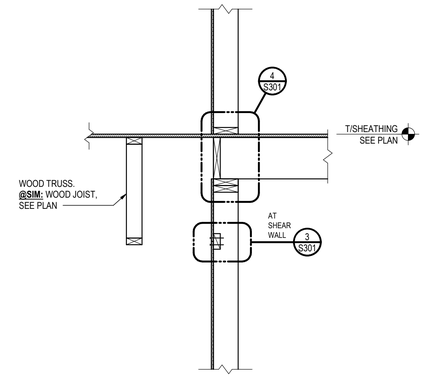

SECTION 4 / S311
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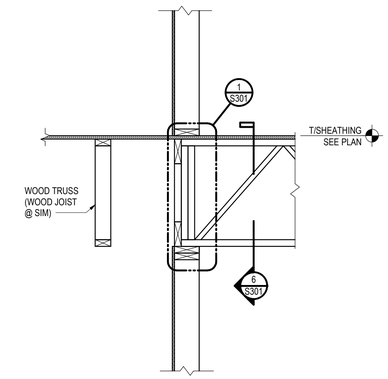
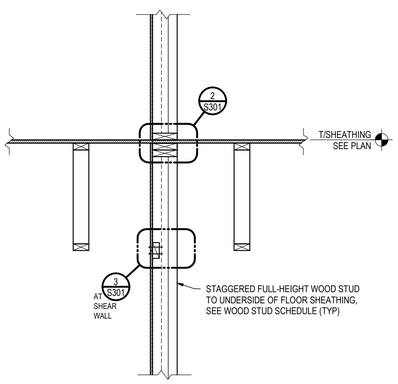
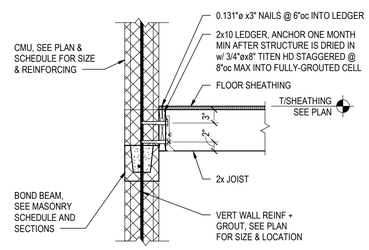


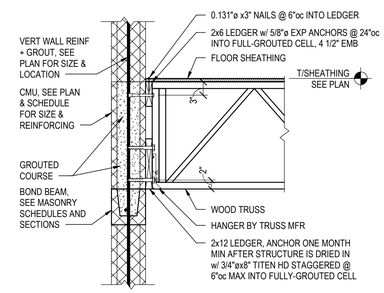
SECTION 5 / S311
NTS



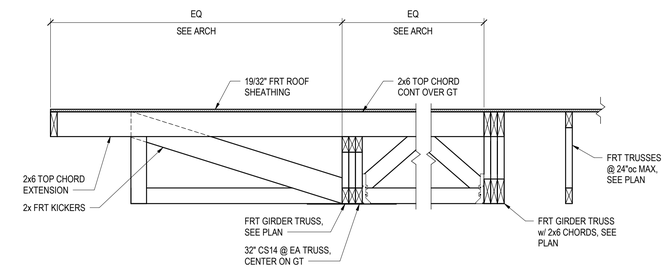
SECTION 6 / S311
NTS



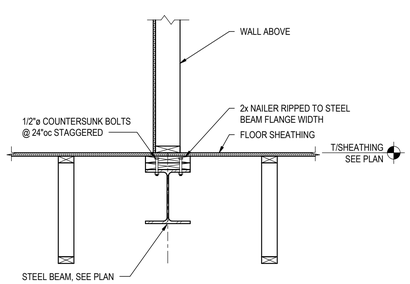
SECTION 7 / S311
3/4" = 1'-0"



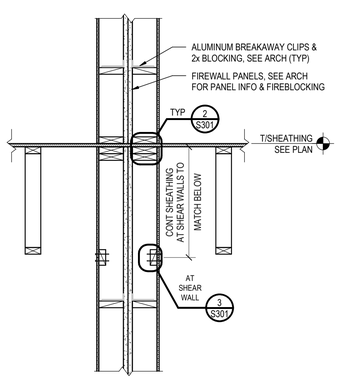
SECTION 8 / S311
3/4" = 1'-0"



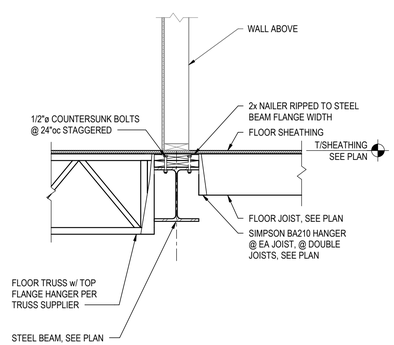
SECTION 9 / S311
3/4" = 1'-0"



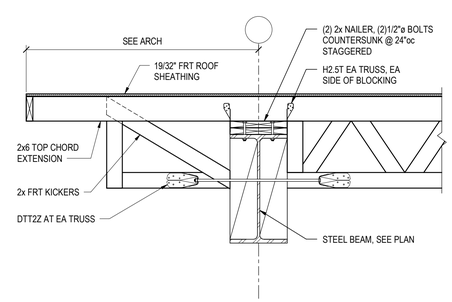
SECTION 10 / S311
NTS



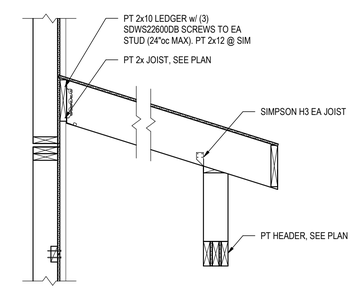
SECTION 11 / S311
NTS



SECTION 12 / S311
3/4" = 1'-0"



SECTION 13 / S311
3/4" = 1'-0"



SECTION 14 / S311
3/4" = 1'-0"

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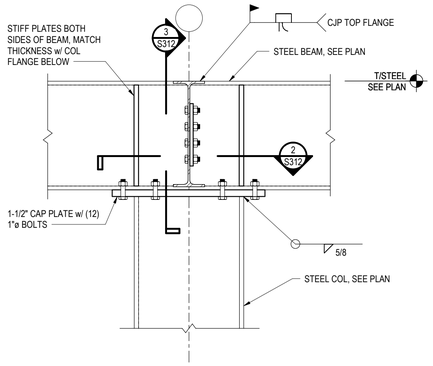
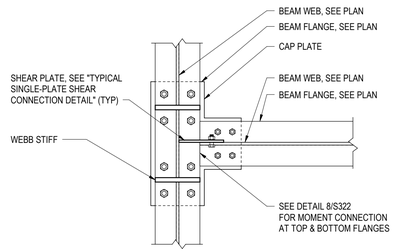
FLOOR FRAMING SECTIONS

S311

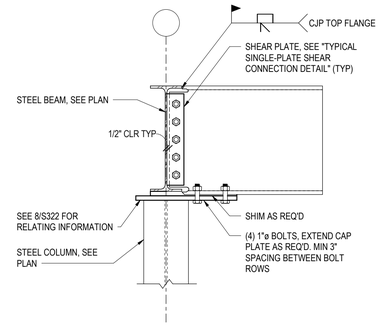
1/15/2026 9:57:15 AM



SECTION 1 / S312
3/4" = 1'-0"



SECTION 2 / S312
3/4" = 1'-0"



SECTION 3 / S312
3/4" = 1'-0"

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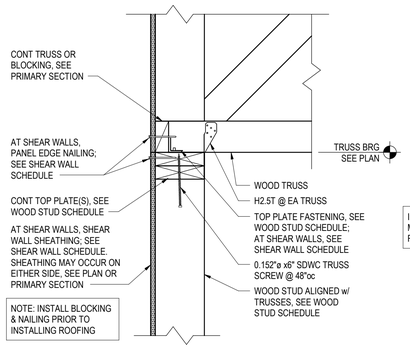
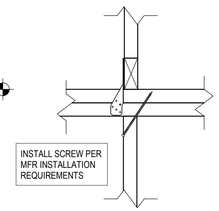
FLOOR FRAMING SECTIONS

S312

1/15/2026 9:57:16 AM



SECTION 1 / S321
NTS



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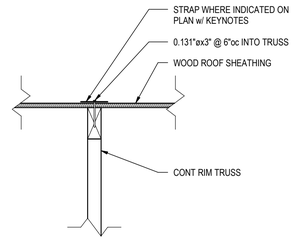

SECTION 2 / S321
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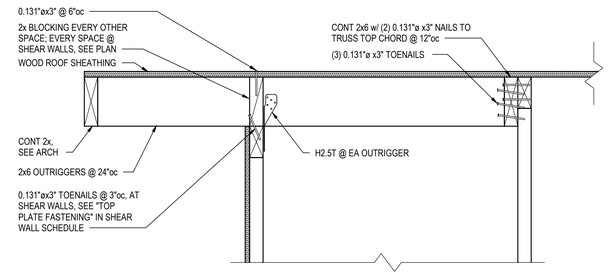

SECTION 3 / S321
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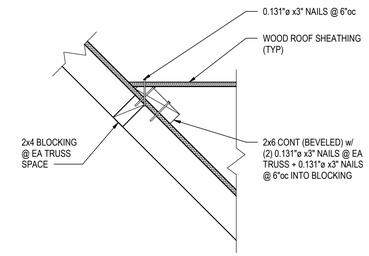

SECTION 4 / S321
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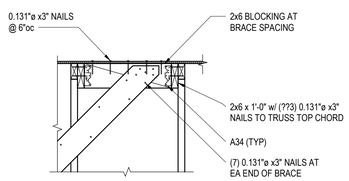
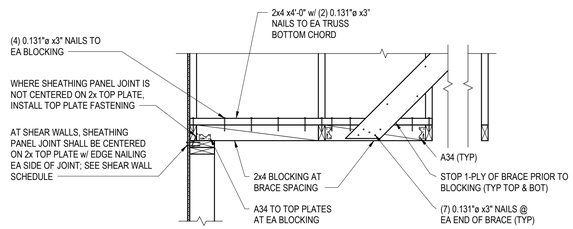
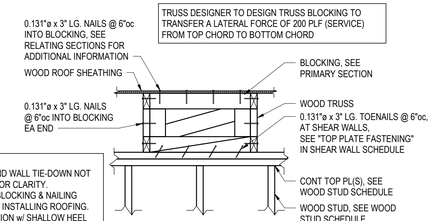


SECTION 5 / S321
3/4" = 1'-0"



SECTION 6 / S321
3/4" = 1'-0"



NOTE:
1. TRUSS AND WALL TIE-DOWN NOT SHOWN FOR CLARITY.
2. INSTALL BLOCKING & NAILING PRIOR TO INSTALLING ROOFING.
3. AT LOCATION w/ SHALLOW HEEL DEPTHS, TRUSS BLOCKING MAY BE REPLACED w/ FULL-DEPTH 2x BLOCKING.

SECTION 7 / S321
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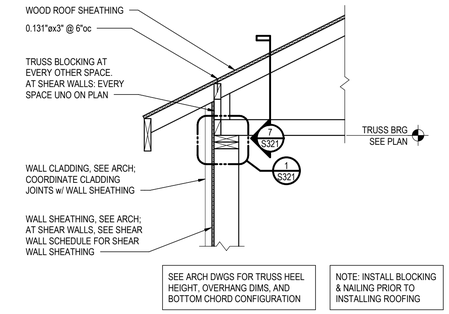
TYPICAL ROOF FRAMING DETAILS

S321

1/15/2026 9:57:17 AM



SECTION 1 / S322
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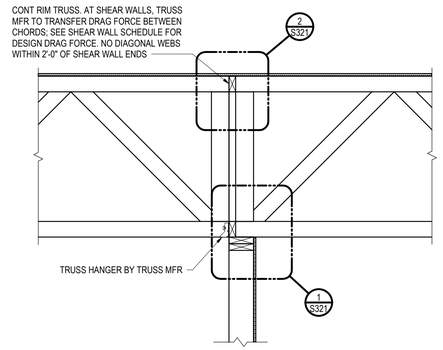

SECTION 2 / S322
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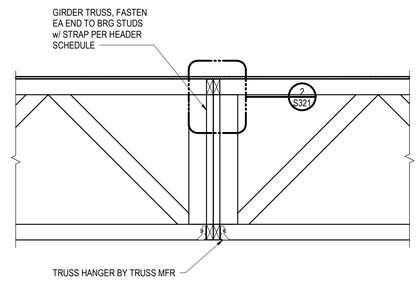

SECTION 3 / S322
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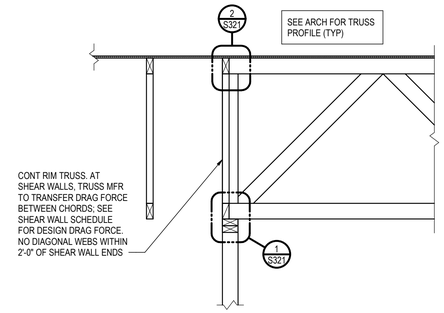

SECTION 4 / S322
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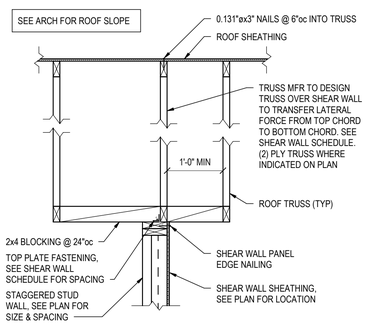

SECTION 5 / S322
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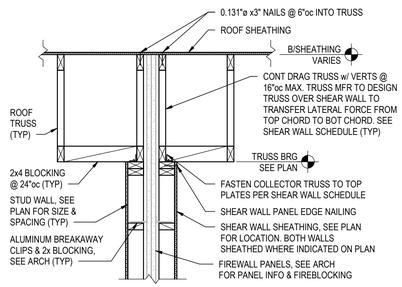

SECTION 6 / S322
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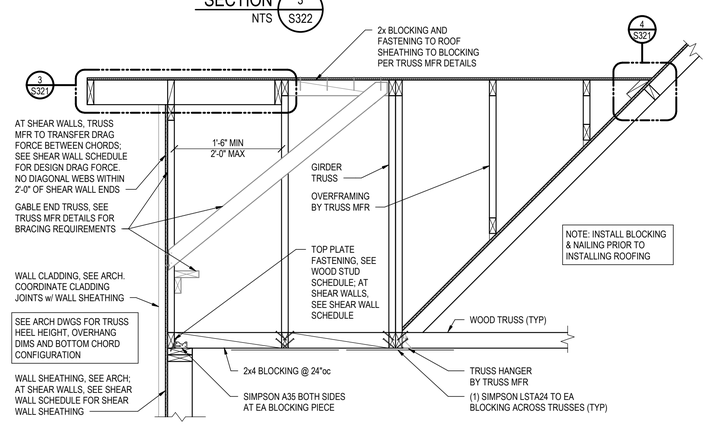

SECTION 7 / S322
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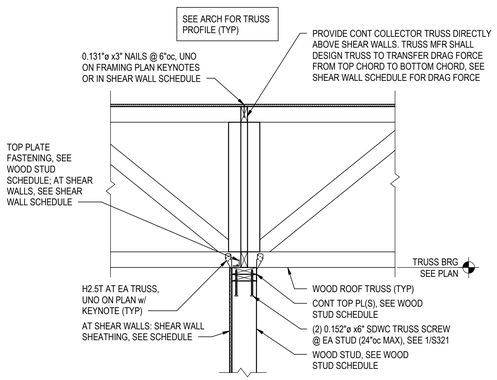

SECTION 8 / S322
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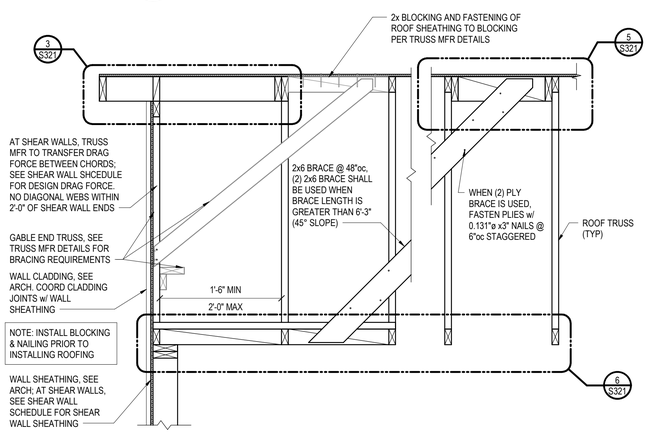
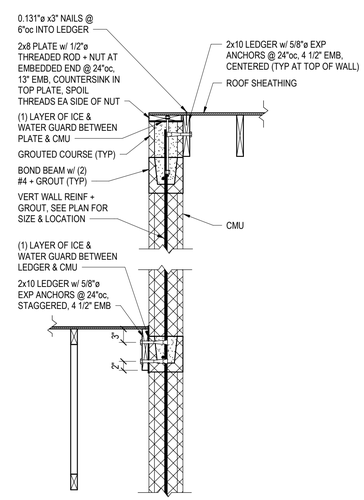
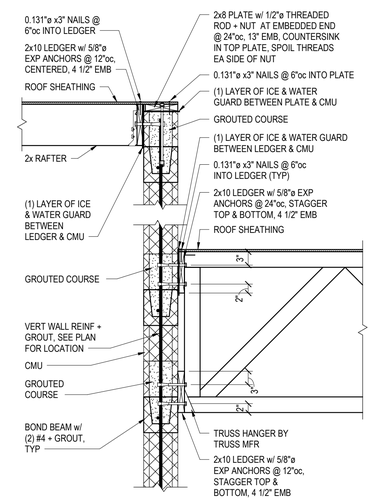


SECTION 9 / 3/4" = 1'-0"
NTS



SECTION 10 / 3/4" = 1'-0"
NTS



SECTION 11 / 3/4" = 1'-0"
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Schaefer Project Number: 23-2168

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1038 Salem Avenue Dayton, Ohio 45406

NATIONAL CHURCH RESIDENCES
2245 North Bank Drive Columbus, Ohio 43220

NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : BIDDING
DATE : 01/06/2026

ROOF FRAMING SECTIONS

S322

1/15/2026 9:57:20 AM

3-STORY WOOD STUD SCHEDULE

TYPE/ LOCATION	EXTERIOR (FRAMING NOT BRG ON WALL)	EXTERIOR (FRAMING BRG ON WALL)	CORRIDOR WALLS	DEMISING (TRUSS NOT BRG ON WALL)	DEMISING (TRUSS BRG ON WALL ONE SIDE)	DEMISING (TRUSS BRG ON WALL ONE SIDE) *AS INDICATED BY KEYNOTE 5
3RD FLR	(1) 2x6 @ 16" oc	(1) 2x6 @ 24" oc ALIGNED + (1) 2x6 @ 12" oc	(1) 2x6 @ 24" oc ALIGNED	(1) 2x4 @ 12" oc STAGGERED	(1) 2x4 @ 24" oc ALIGNED + (1) 2x4 @ 24" oc MAX OPP SIDE	(1) 2x4 @ 24" oc ALIGNED + (1) 2x4 @ 24" oc MAX OPP SIDE
2ND FLR	(1) 2x6 @ 16" oc	(1) 2x6 @ 24" oc ALIGNED + (1) 2x6 @ 12" oc	(1) 2x6 @ 24" oc ALIGNED	(1) 2x4 @ 12" oc STAGGERED	(1) 2x4 @ 24" oc ALIGNED + (1) 2x4 @ 24" oc MAX OPP SIDE	(2) 2x4 @ 24" oc ALIGNED + (1) 2x4 @ 24" oc MAX OPP SIDE
1ST FLR	(1) 2x6 @ 16" oc	(2) 2x6 @ 24" oc ALIGNED + (1) 2x6 @ 12" oc	(2) 2x6 @ 24" oc ALIGNED	(1) 2x4 @ 12" oc STAGGERED	(2) 2x4 @ 24" oc ALIGNED + (1) 2x4 @ 24" oc MAX OPP SIDE	-
BOTTOM PLATE FASTENING [1,2]	0.131"øx3" NAILS @ 6"oc	0.131"øx3" NAILS @ 6"oc	0.131"øx3" NAILS @ 16"oc	0.131"øx3" NAILS @ 16"oc	0.131"øx3" NAILS @ 16"oc	0.131"øx3" NAILS @ 16"oc
TOP PLATE FASTENING [1,2]	SEE BOTTOM PLATE FASTENING	SEE BOTTOM PLATE FASTENING	0.131"øx3" TOENAILS @ 16"oc	0.131"øx3" TOENAILS @ 16"oc	0.131"øx3" TOENAILS @ 16"oc	0.131"øx3" TOENAILS @ 16"oc
WALL BASE ANCHORAGE TO CONCRETE SLAB [2]	5/8"øx6" SIMPSON TITEN HD @ 48"oc	5/8"øx6" SIMPSON TITEN HD @ 48"oc	(2) PAF @ 24"oc	(2) PAF @ 24"oc	(2) PAF @ 24"oc	(2) PAF @ 24"oc

NOTES:
1. REFER TO ARCHITECTURAL FLOOR PLANS AND STRUCTURAL FRAMING PLANS FOR WALL TYPES AND EXTERIOR WALLS SEE SHEAR WALL SCHEDULE FOR FRAMING REQUIREMENTS.
2. REFER TO ENHANCED SECTIONS ON PLAN FOR BOTTOM AND TOP PLATE FASTENING REQUIREMENTS.

WOOD HEADER SCHEDULE

MARK	HEADER SIZE	BRG STUDS, BOTH ENDS: BRG STUD SIZE[1]	1ST FLR	2ND FLR	3RD FLR	NOTES
2x HEADER (1-10)						
H1	(3) 2x6	2x6	3	2	1	LSTA9 EACH END @ ROOF ONLY
H2	(3) 2x8	2x6	2	1	1	LSTA9 EACH END @ ROOF ONLY
H3	(3) 2x10	2x6	4	3	2	LSTA9 EACH END @ ROOF ONLY
H4	(3) 2x12	2x6	4	4	2	LSTA9 EACH END @ ROOF ONLY
H5	(2) 2x10	2x4	2	1	1	-
LVL HEADER (11-20)						
H11	(3) 1-3/4" x 7-1/4" LVL	2x6	4	-	-	-
H12	(3) 1-3/4" x 9-1/4" LVL	2x6	5	3	1	LSTA9 EACH END @ ROOF ONLY
H13	(3) 1-3/4" x 18" LVL	2x6	6	-	-	-
H14	(3) 1-3/4" x 11-1/4" LVL	2x6	3	-	-	-
PT HEADER (31-40)						
H31	(3) 2x10	2x6	3	-	-	FASTEN TO WOOD POST w/ SIMPSON HUC212-3Z
H32	(3) 2x12	2x6	3	-	-	FASTEN TO WOOD POST w/ SIMPSON HUC212-3Z

NOTES:
1. PROVIDE BRG STUDS / SUPPORTS PER THE SCHEDULE U.N.O ON THE PLANS.

WOOD POST SCHEDULE (Ps)

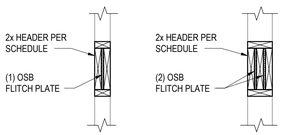
MARK	POST SIZE	NOTES
P1	PT 6x6 POST	POST BASE (UNO): SIMPSON ABU66Z w/5/8" x 6" TITEN HD w/STD GALV WASHER

NOTES:
1. SEE BEAM SCHEDULE OR PLAN FOR BEAM BEARING CONDITIONS AT POSTS.
2. CUT OUT BOTTOM PLATE @ PSL POST U.N.O

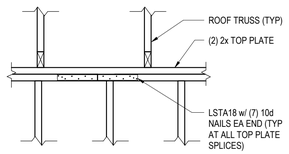
HEADER END STUD SCHEDULE

OPENING WIDTH UP TO	END STUD QTY, BOTH ENDS: EXTERIOR LB	EXTERIOR NLB	INTERIOR	
	2x6	2x6	2x6	2x4
3'-0"	2	2	1	1
6'-0"	2	4	1	1
9'-0"	3	5	-	-

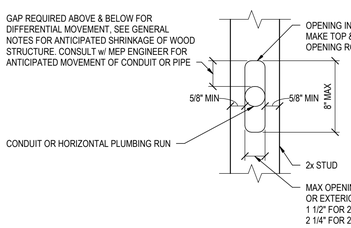
NOTES:
1. END STUDS ARE NOT REQUIRED AT FLUSH HEADERS OR HEADERS SUPPORTED BY POSTS.



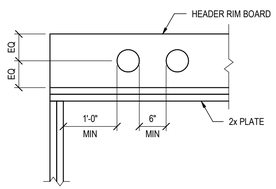
TYPICAL DROPPED 2x HEADER CONSTRUCTION DETAIL
NTS



TYPICAL TOP PLATE SPLICE DETAIL
NTS

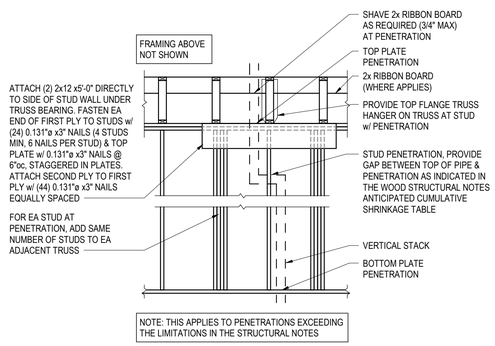


TYPICAL HORIZONTAL PENETRATION THRU WOOD STUDS
NTS



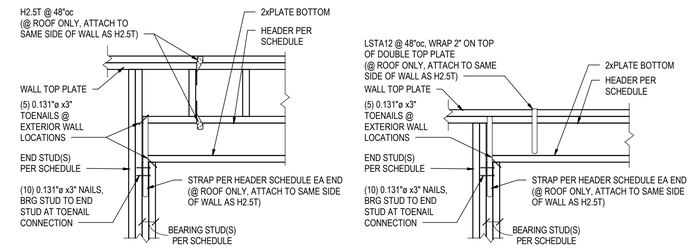
NOTES:
1. ALL PENETRATIONS ARE ROUND.
2. SEE MEP DRAWINGS FOR SIZE AND LOCATION OF PENETRATION.
3. CONTRACTOR TO SUBMIT FINAL SIZE & LOCATION OF ALL PENETRATIONS TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CUTTING HOLES.

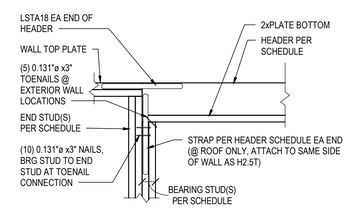
TYPICAL FLUSH HEADER PENETRATION DETAIL
NTS



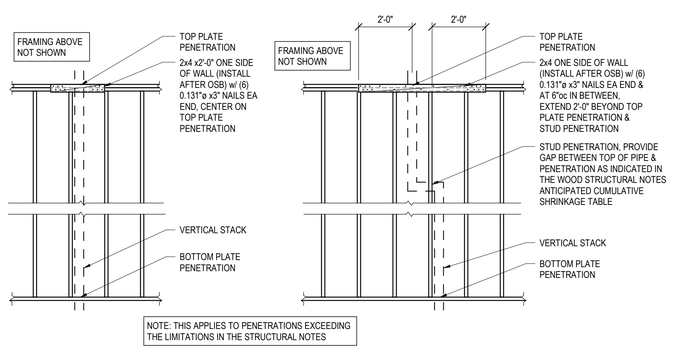
90º BEND IN VERTICAL STACK

PLUMBING STACK TOP PLATE/STUD PENETRATION DETAIL IN LOAD BEARING WALL
NTS





DROPPED HEADER (INTERIOR & EXTERIOR)

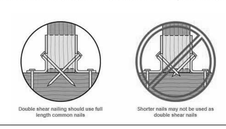


VERTICAL STACK

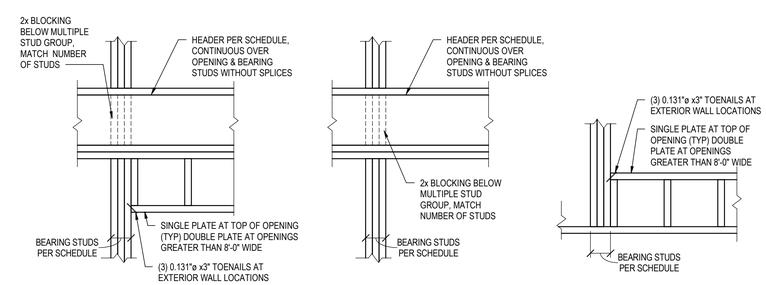
90º BEND IN VERTICAL STACK

PLUMBING STACK TOP PLATE/STUD PENETRATION DETAIL IN SHEAR WALL
NTS

THE FOLLOWING NOTES ARE IN ADDITION TO THE INFORMATION STATED IN THE WOOD SECTION OF THE GENERAL NOTES.
1. NAIL SIZES AS CALLED OUT IN THE STRUCTURAL DRAWINGS & FOR CONNECTIONS ARE AS FOLLOWS:
   A. 6d NAILS ARE 0.120"ø x1 3/4" LONG (MIN 3/8"ø HEAD)
   B. 8d NAILS ARE 0.131"ø x2 1/2" LONG.
   C. 10d NAILS ARE 0.148"ø x3" LONG.
   D. 16d NAILS ARE 0.162"ø x3 1/2" LONG.
2. PNEUMATIC GUN NAILS SHALL MEET THE DIAMETER & LENGTH AS SHOWN ABOVE REGARDLESS OF THE NAIL SIZE INDICATED BY THE PNEUMATIC GUN NAIL MANUFACTURER.
3. NAILS WITH EXTERIOR EXPOSURE OR FASTENED TO PRESSURE TREATED LUMBER MUST BE GALVANIZED.
4. FOR STRAPS:
   A. ALWAYS USE THE DIAMETER OF NAIL AS SPECIFIED BY . 1 1/2" LONG NAILS, INSTEAD OF FULL LENGTH NAILS, CAN BE USED IF STRAP IS FASTENED DIRECTLY TO THE FRAMING MEMBER WITHOUT SHEATHING IN BETWEEN. OTHERWISE FULL LENGTH NAILS AS SPECIFIED BY MUST BE USED.
5. FOR HANGERS:
   A. ALWAYS USE THE DIAMETER OF NAIL & MAXIMUM NAILING AS SPECIFIED BY .
      a. IF FASTENING TO A MULTIPLE PLY BEAM/HEADER, FULL LENGTH NAILS AS SPECIFIED BY MUST BE USED FOR FASTENING FROM THE HANGER FLANGE TO THE BEAM/HEADER.
      b. IF FASTENING TO A SINGLE PLY BEAM/HEADER, 1 1/2" LONG NAILS FASTENING FROM THE HANGER FLANGE TO THE BEAM/HEADER CAN BE USED INSTEAD OF FULL LENGTH NAILS AS SPECIFIED BY .
      c. IF HANGER IS A DOUBLE SHEAR HANGER, DIAGONAL NAILS MUST BE FULL LENGTH AS SPECIFIED BY REGARDLESS OF WHETHER OR NOT THE BEAM/HEADER IS SINGLE PLY OR MULTIPLE PLY, SEE IMAGE BELOW.



NAILING LENGTH NOTES



FLUSH HEADER

WINDOW SILL DETAIL

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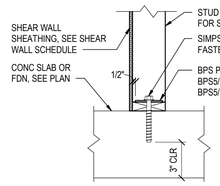
ISSUED FOR : BIDDING
DATE : 01/06/2026

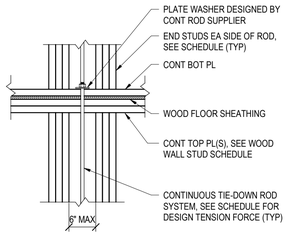
WOOD WALL & HEADERS SCHEDULES & TYPICAL DETAILS

S401

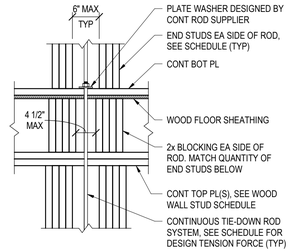
1/15/2026 9:57:21 AM



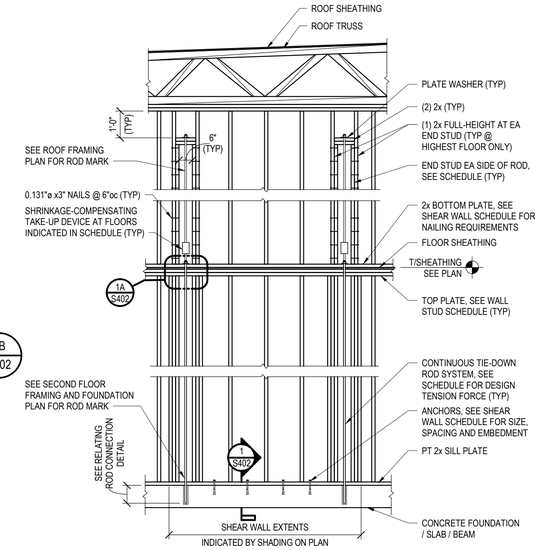
TYPICAL SHEAR WALL PLATE WASHER DETAIL (1 / S402)
NTS



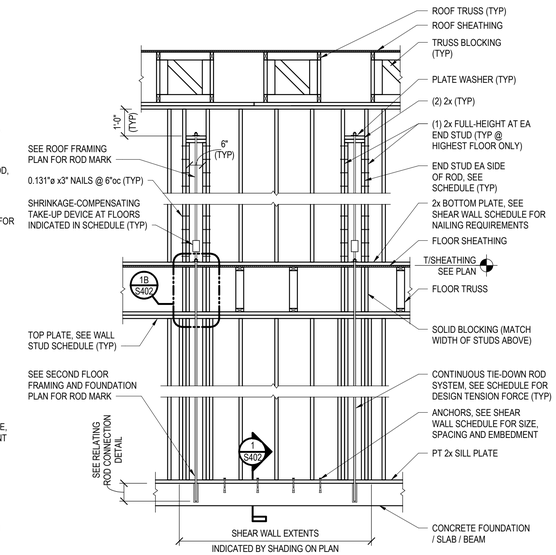
TYPICAL PLATE WASHER DETAIL @ BALLOON FRAMED WALL (1A / S402)
NTS



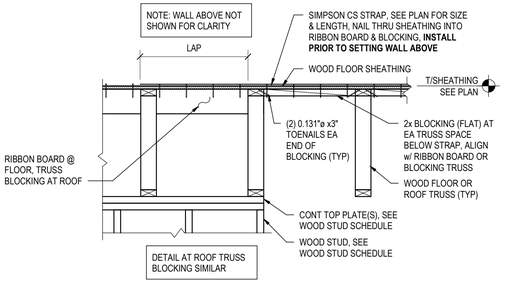
TYPICAL PLATE WASHER DETAIL @ PLATFORM FRAMED WALL (1B / S402)
NTS



SHEAR WALL DETAIL WITH CONTINUOUS TIE-DOWN ROD SYSTEM PARALLEL TO FLOOR FRAMING
NTS



SHEAR WALL DETAIL WITH CONTINUOUS TIE-DOWN ROD SYSTEM PERPENDICULAR TO FLOOR FRAMING
NTS



SECTION (2 / S402)
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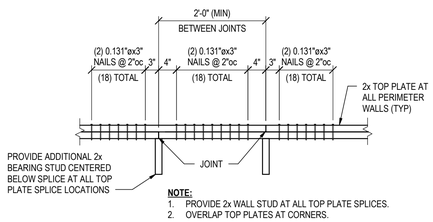
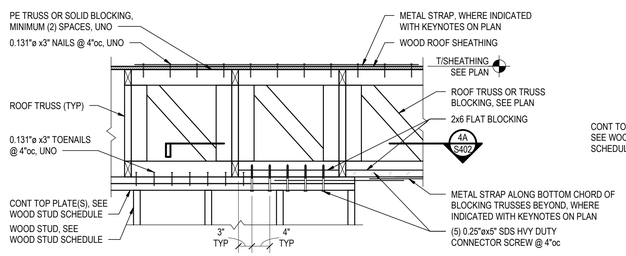
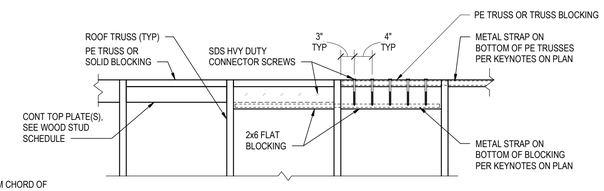


NOTE:
1. PROVIDE 2x WALL STUD AT ALL TOP PLATE SPLICES.
2. OVERLAP TOP PLATES AT CORNERS.

SECTION (3 / S402)
NTS

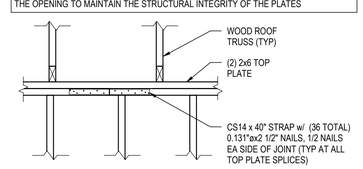


SECTION (4 / S402)
3/4" = 1'-0"



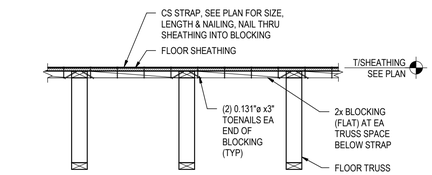
SECTION (4A / S402)
NTS

WHERE PLUMBING, HEATING AND AIR CONDITIONING LINES OR OTHER PIPES ARE PLACED IN PARTITIONS, AND NECESSITATING THE CUTTING OF SOLE OR TOP PLATES, PROVIDE A CS16 STRAP FASTENED TO EACH PLATE ACROSS AND TO EACH SIDE OF THE OPENING TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE PLATES



NOTE:
1. PROVIDE 2x WALL STUD AT ALL TOP PLATE SPLICES.
2. OVERLAP TOP PLATES AT CORNERS.

SECTION (5 / S402)
NTS



SECTION (6 / S402)
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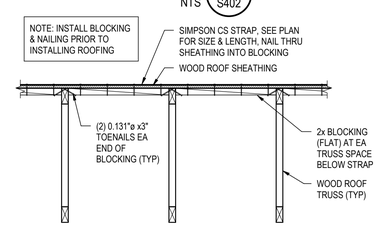

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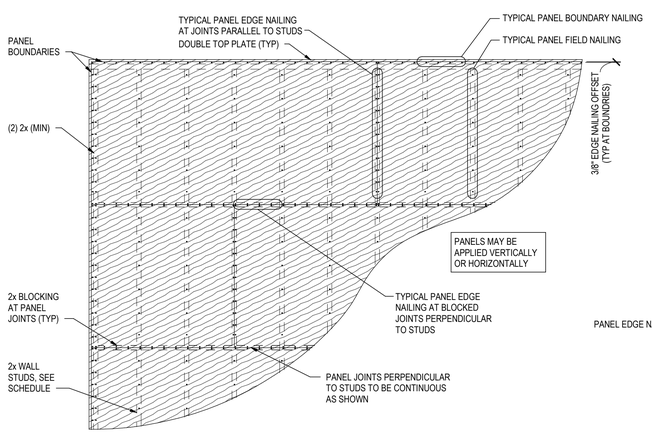
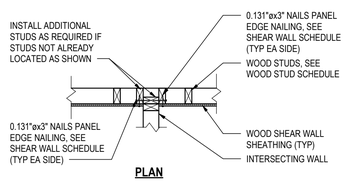
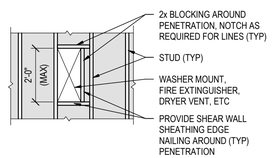


SHEAR WALL SHEATHING NAILING DETAIL
NTS



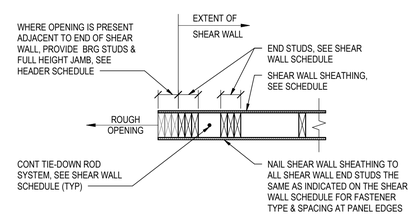
PLAN

TYPICAL SHEAR WALL SHEATHING INTERRUPTION
NTS

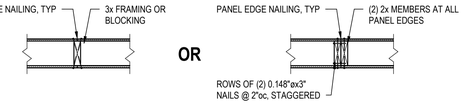


NOTES:
1. ALL PENETRATIONS ARE RECTANGULAR & HAVE 2x BLOCKING/STUDS ON ALL FOUR SIDES.
2. ALL PENETRATIONS ARE ONLY AS LARGE AS THEY NEED TO BE TO FIT SWITCHES, OUTLETS, ETC.
3. THERE IS NO LIMIT ON NUMBER OF PENETRATIONS 8" BY 8" AND SMALLER, BUT THEY NEED TO BE AT LEAST 2'-0" CLEAR HORIZONTALLY AND VERTICALLY.
4. FOR PENETRATIONS LARGER THAN 8" BY 8", CONTRACTOR TO SUBMIT FINAL SIZE AND LOCATION TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CUTTING HOLES.
5. NO PENETRATIONS WITHIN 2'-0" FROM THE ENDS OF SHEAR WALLS.
6. SEE MEP DRAWINGS FOR LOCATION AND SIZE OF PENETRATIONS.

TYPICAL PENETRATION THROUGH SHEAR WALL SHEATHING DETAIL
NTS



TYPICAL PLAN DETAIL FOR SHEAR WALL CONTINUOUS TIE-DOWN ROD SYSTEM ADJACENT TO ROUGH OPENING
NTS



STITCHED 2x MEMBER DETAIL @ SHEAR WALLS w/ 2"oc PANEL EDGE FASTENING
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Schaefer Project Number: 23-2168

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1038 Salem Avenue Dayton, Ohio 45406

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2245 North Bank Drive Columbus, Ohio 43220

NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : BIDDING
DATE : 01/06/2026

WOOD SHEAR WALL SCHEDULE & TYPICAL DETAILS

S402

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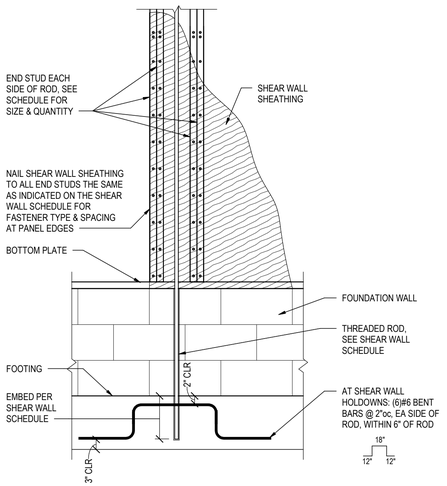
WOOD SHEAR WALL SCHEDULE

1	2	3	4	5	6	7	8	9	10	11	12	13	14
SHEAR WALL MARK	LEVEL	SHEATHING TYPE	BLOCKED PANEL EDGES	WALL PANEL EDGE FASTENING	WALL PANEL FIELD FASTENING	MAX WALL STUD SPACING	TOP PL FASTENING	BOTTOM PL FASTENING	ROOF/FLOOR SHEATHING FASTENING @ SHEAR WALL ELEMENT	HOLDOWN			TRUSS DRAG FORCE, PLF (ASD)
										CONTINUOUS ROD FORCE	HOLDOWN ANCHORAGE TO FOUNDATION	TOTAL END STUDS (1/2 EA SIDE OF ROD)	
SW1	3RD	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 6"oc	0.131"ø x3" @ 6"oc	24" oc	0.131"ø x3" TOENAILS @ 4" oc	SDWS22500DB @ 17" oc	0.131"ø x3"NAILS @ 6"oc	2700	-	(2) 2x6 / (2) 2x4	308
	2ND	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 6"oc	0.131"ø x3" @ 6"oc	24" oc	0.131"ø x3" TOENAILS @ 4" oc	SDWS22500DB @ 17" oc	0.131"ø x3"NAILS @ 6"oc	2700	-	(2) 2x6 / (2) 2x4	308
	1ST	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 6"oc	0.131"ø x3" @ 6"oc	24" oc	0.131"ø x3" TOENAILS @ 4" oc	5/8"øx6" EMB @ 26" oc	0.131"ø x3"NAILS @ 6"oc	6600	5/8"ø ROD x 8" EMBED	(2) 2x6 / (3) 2x4	308
SW2	3RD	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 4"oc	0.131"ø x3" @ 12"oc	16"oc	SIMPSON A34 @ 10" oc	SDWS22500DB @ 11" oc	0.131"ø x3"NAILS @ 3"oc	6600		(2) 2x6	490
	2ND	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 3"oc	0.131"ø x3" @ 12"oc	16"oc	SIMPSON A34 @ 8" oc	SDWS22500DB @ 8" oc	0.131"ø x3"NAILS @ 6"oc	9600	**3/4"ø ROD x 12" EMBED	(2) 2x6	630
	1ST	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 2"oc	0.131"ø x3" @ 12"oc	16"oc	SIMPSON A34 @ 6" oc	5/8"øx6" EMB @ 9" oc	0.131"ø x3"NAILS @ 6"oc	17000	1"ø ROD x 15" EMBED	(3) 2x6	823
SW3	3RD	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 4"oc	0.131"ø x3" @ 12"oc	16"oc	SIMPSON A34 @ 10" oc	SDWS22500DB @ 11" oc	0.131"ø x3"NAILS @ 4"oc	4200	-	(2) 2x6	490
	2ND	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 3"oc	0.131"ø x3" @ 12"oc	16"oc	SIMPSON A34 @ 8" oc	SDWS22500DB @ 8" oc	0.131"ø x3"NAILS @ 6"oc	9600	-	(2) 2x6	630
	1ST	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 2"oc	0.131"ø x3" @ 12"oc	16"oc	SIMPSON A34 @ 6" oc	5/8"øx6" EMB @ 9" oc	0.131"ø x3"NAILS @ 6"oc	21000	1-1/4"ø ROD x 15" EMBED	(6) 2x6	823
SW4	3RD	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 4"oc	0.131"ø x3" @ 6"oc	24" oc	0.131"ø x3" TOENAILS @ 3" oc	SDWS22500DB @ 12" oc	0.131"ø x3"NAILS @ 4"oc	4200	-	(2) 2x6	451
	2ND	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 3"oc	0.131"ø x3" @ 6"oc	24" oc	SIMPSON A34 @ 8" oc	SDWS22500DB @ 9" oc	0.131"ø x3"NAILS @ 6"oc	9600	-	(2) 2x6	580
	1ST	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 2"oc	0.131"ø x3" @ 6"oc	24" oc	SIMPSON A34 @ 6" oc	5/8"øx6" EMB @ 10" oc	0.131"ø x3"NAILS @ 6"oc	17000	1"ø ROD x 15" EMBED	(4) 2x6	754
SW5	3RD	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 4"oc	0.131"ø x3" @ 6"oc	24" oc	0.131"ø x3" TOENAILS @ 3" oc	SDWS22500DB @ 12" oc	0.131"ø x3"NAILS @ 4"oc	4200	-	(2) 2x6	451
	2ND	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 4"oc	0.131"ø x3" @ 6"oc	24" oc	0.131"ø x3" TOENAILS @ 3" oc	SDWS22500DB @ 12" oc	0.131"ø x3"NAILS @ 6"oc	9600	**3/4"ø ROD x 12" EMBED	(2) 2x6	451
	1ST	7/16" OSB ONE SIDE	YES	0.131"ø x3" @ 3"oc	0.131"ø x3" @ 6"oc	24" oc	SIMPSON A34 @ 8" oc	5/8"øx6" EMB @ 13" oc	0.131"ø x3"NAILS @ 6"oc	32200	1-3/8"ø ROD x 21" EMBED	(4) 1.5" x 5.5" VERSA STUD (1.8E)	580

SHEAR WALL SCHEDULE NOTES:

1. CONTINUOUS TIE-DOWN ROD SYSTEM BY SIMPSON OR CLP (OTHERS MAY BE CONSIDERED). SUPPLIER SHALL SELECT ALL COMPONENTS OF THE TIEDOWN SYSTEM TO RESIST THE DESIGN LOADS INDICATED IN THE SCHEDULE. SUPPLIER SHALL SUBMIT SHOP DRAWINGS AND EITHER PRODUCT DATA AND TESTING DATA, OR ENGINEERING CALCULATIONS INDICATING THE CAPACITY OF ALL OF THE SELECTED SYSTEM COMPONENTS. SHOP DRAWINGS SHALL BEAR THE SEAL OF A REGISTERED ENGINEER IN THE STATE OF THE PROJECT.
2. PROVIDE SHRINKAGE-COMPENSATING TAKE-UP DEVICES DESIGNED BY CONTINUOUS ROD SUPPLIER. TAKEUP DEVICE MUST BE CAPABLE OF ACCOMMODATING ESTIMATED SHRINKAGE SHOWN IN WOOD GENERAL NOTES.
3. PROVIDE PLATE WASHERS AT ALL FLOORS AND ROOF DESIGNED BY CONTINUOUS ROD SUPPLIER. REFER TO DETAILS THIS SHEET FOR BLOCKING/STUD SPACING AT PLATE WASHERS.
4. CONTRACTOR TO RE-TIGHTEN ALL PLATE WASHER NUTS (EXCLUDING AT TAKEUP DEVICES) LESS THAN ONE WEEK PRIOR TO DRYWALL BEING APPLIED.
5. REFER TO TYPICAL SHEAR WALL DETAILS AND ELEVATIONS ON THIS SHEET FOR ADDITIONAL INFORMATION.
6. REFER TO DETAILS THIS SHEET FOR END STUD CONFIGURATIONS AT SHEAR WALLS. @ ODD NUMBER OF STUDS, LOCATE ADDITIONAL STUD ON SIDE OF ROD TOWARDS MIDDLE OF THE WALL.
7. REFER TO DETAIL THIS SHEET FOR "TYPICAL SHEAR WALL SHEATHING INTERRUPTION DETAIL."
8. ANCHOR RODS FOR HOLDOWNS SHALL BE POST INSTALLED INTO FOUNDATION (NOT STEM WALL). REFER TO DETAILS THIS SHEET.
9. BOTTOM PLATE ANCHORS AT FOUNDATION SHALL BE SIMPSON TITEN HD ANCHORS UNLESS NOTED OTHERWISE.
10. AT FOUNDATION, INSTALL SIMPSON BPS PLATE WASHER AT EACH SHEAR WALL BOTTOM PLATE ANCHOR LOCATION PER DETAIL THIS SHEET.
11. REFER TO FRAMING SECTIONS FOR WHERE TOP/BOTTOM PLATE FASTENING IS REQUIRED.
12. * = FOR SCREW SPACING TIGTHER THAN 6"oc, PRE-DRILL AS REQUIRED TO PREVENT SPLITTING OF THE WOOD MEMBER.
13. * *= ONLY REQUIRED WHERE INDICATED BY KEYNOTE ON FOUNDATION PLAN.



TYPICAL ROD AT SHEAR WALL
END STUD CONNECTION
TO FOUNDATION (STEM) WALL DETAIL
3/4" = 1'-0"

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WOOD SHEAR WALL SCHEDULE & TYPICAL DETAILS

S403

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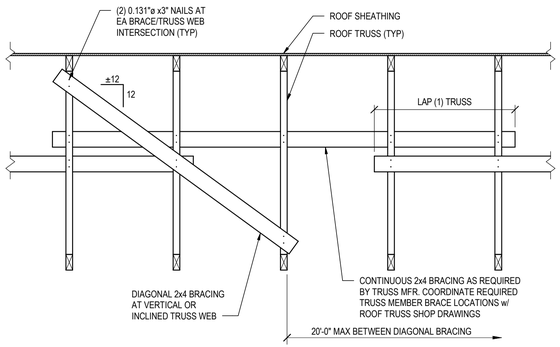
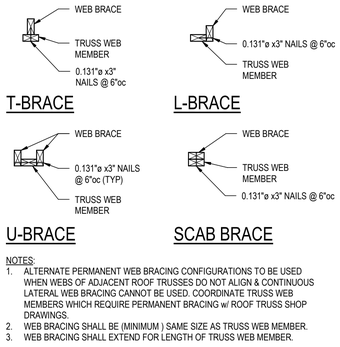


WOOD ROOF TRUSS WEB PERMANENT BRACING DETAIL

NTS

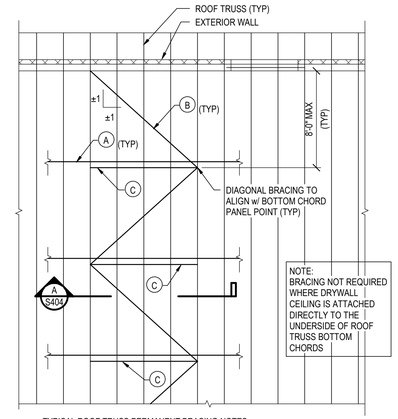


NOTES:

1. ALTERNATE PERMANENT WEB BRACING CONFIGURATIONS TO BE USED WHEN WEBS OF ADJACENT ROOF TRUSSES DO NOT ALIGN & CONTINUOUS LATERAL WEB BRACING CANNOT BE USED. COORDINATE TRUSS WEB MEMBERS WHICH REQUIRE PERMANENT BRACING w/ ROOF TRUSS SHOP DRAWINGS.
2. WEB BRACING SHALL BE (MINIMUM) SAME SIZE AS TRUSS WEB MEMBER.
3. WEB BRACING SHALL EXTEND FOR LENGTH OF TRUSS WEB MEMBER.

ALTERNATE PERMANENT WEB BRACING CONFIGURATIONS

NTS



TYPICAL ROOF TRUSS PERMANENT BRACING NOTES

1. (A) CONTINUOUS 2x4 ON TOP OF BOTTOM CHORD @ 8'-0"oc OR AT EA PANEL POINT OR AT SPACING REQUIRED BY TRUSS MFR, WHICHEVER IS MORE STRINGENT. CONNECT 2x4 TO TOP OF TRUSS BOTTOM CHORD w/ (2) 10d NAILS AT EA TRUSS. AT SPLICE, LAP 2x4'S AT LEAST (2) TRUSS SPACES.
2. (B) 2x4 ON TOP OF BOTTOM CHORD w/ (2) 10d NAILS AT EA TRUSS.
3. (C) VERTICAL 2x4 X-BRACING, SPACING TO MATCH (A) . SEE TYPICAL WOOD ROOF TRUSS PERMANENT BOTTOM CHORD AND SWAY BRIDGING DETAIL.
4. SPACE GROUPS OF WOOD ROOF TRUSS PERMANENT BOTTOM CHORD & SWAY BRACING FRAMING @ 20'-0"oc MAX.
5. SEE "TYPICAL WOOD ROOF TRUSS PERMANENT BOTTOM CHORD AND SWAY BRIDGING DETAIL", THIS SHEET, FOR ADDITIONAL INFORMATION.

TYPICAL ROOF TRUSS PERMANENT BRACING - PLAN VIEW

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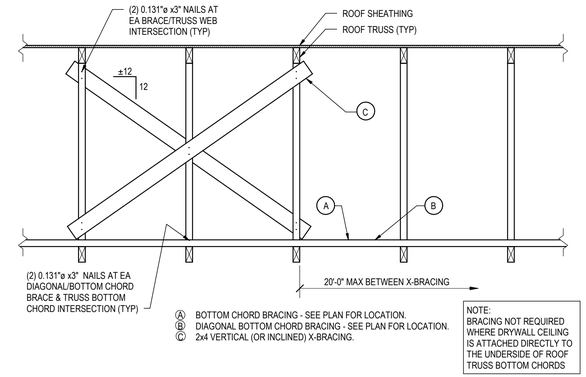

TYPICAL WOOD ROOF TRUSS PERMENANT BOTTOM CHORD AND SWAY BRIDGING DETAIL

NTS

A
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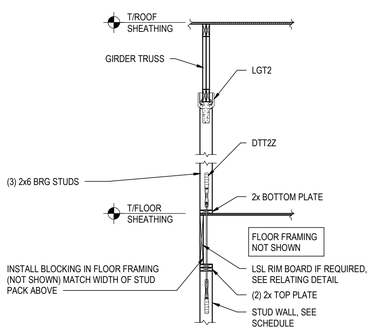
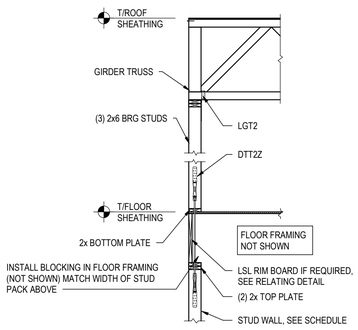


NOTE: WHERE GIRDER TRUSS BEARS ON HEADER, CONNECT GIRDER TRUSS TO HEADER AS STATED ABOVE, CONNECT HEADER TO BEARING STUDS w/ (1) LSTA18, CONNECT BEARING STUDS TO STUDS BELOW w/ (1) CS20x54 STRAPS w/ (7) 0.131"ø x3" NAILS EA END. SEE WOOD HEADER SCHEDULE THIS SHEET FOR ADDITIONAL INFORMATION

TYPICAL HOLDOWN AT PARALLEL GIRDER TRUSS

NTS

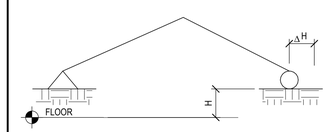


NOTE: WHERE GIRDER TRUSS BEARS ON HEADER, CONNECT GIRDER TRUSS TO HEADER AS STATED ABOVE, CONNECT HEADER TO BEARING STUDS w/ (1) LSTA18, CONNECT BEARING STUDS TO STUDS BELOW w/ (1) CS20x54 STRAPS w/ (7) 0.131"ø x3" NAILS EA END. SEE WOOD HEADER SCHEDULE THIS SHEET FOR ADDITIONAL INFORMATION

TYPICAL HOLDOWN AT PERPENDICULAR GIRDER TRUSS

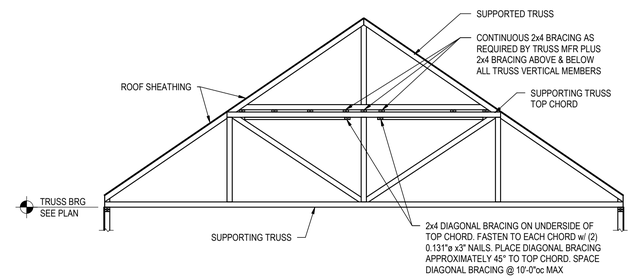
NTS

ROOF TRUSS HORIZONTAL SNOW / LIVE LOAD DEFLECTION LIMITS



H = WALL HEIGHT (ft)	ΔH = HORIZONTAL DEFLECTION LIMITS (in)
10	5/8
12.5	3/4

NOTE: IF ACTUAL WALL HEIGHT IS IN BETWEEN TABLE VALUES, USE ΔH BASED ON THE SHORTER WALL HEIGHT.



MULTI-PIECE TRUSS TOP CHORD BRACING

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TYPICAL WOOD ROOF TRUSS DETAILS

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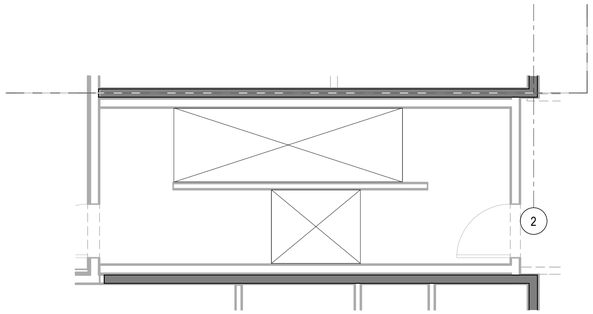


STAIR FRAMING PLAN

1/4" = 1'-0"

NORTH

STAIR FRAMING KEYNOTES: (Kn)

KA 2x10 CONT LANDING LEDGER, FASTEN TO WALL STUDS (THROUGH (2) LAYERS GYP AS OCCURS)) w/(3) SDWS22600DB SCREWS. WHERE FASTENERS CANNOT BE CENTERED ON STUDS, CONNECT TO BLOCKING BETWEEN STUDS. REF. SECTION 2/S405.

KB 2x10 LANDING JOISTS @ 16" oc w/ SIMPSON LU28 EA END. WHERE JOISTS BEAR AT CENTER WALL: 2x10 @ 24" oc.

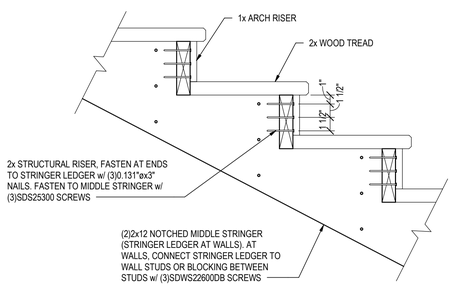
KC CENTER STAIR WALL: 2x6 STUDS @ 16" oc MAX. AT THIRD FLOOR FRAMING LEVEL, RUN STUDS CONT FROM SECOND FLOOR FRAMING, PAST 3RD FLOOR FRAMING TO TOP OF GUARDRAIL WALL. (2)2x6 TOP PL CONT FOR LENGTH OF GUARDRAIL WALL, SEE ARCH FOR ELEVATION.

KD 2x12 NOTCHED STRINGER LEDGER. REF. SECTION 1/S405, 2/S405 & 3/S405 FOR FASTENING AND ADDITIONAL BLOCKING AS REQUIRED

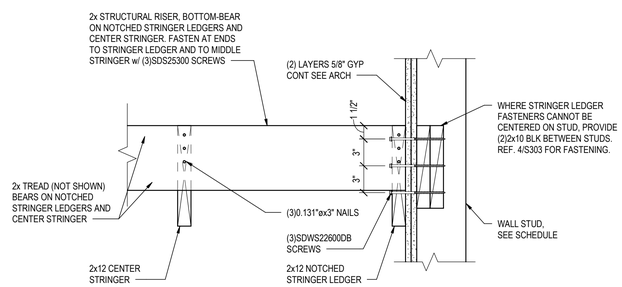
KE 2x STAIR TREADS w/ 2x STRUCTURAL RISER. REF. SECTION 1/S405 & 2/S405

KF 2x12 NOTCHED MIDDLE STRINGER. REF. SECTION 1/S405 & 2/S405.

KG (2)2x10 w/ HUC210-2 EA END.



SECTION 1 / S405
NTS



SECTION 2 / S405
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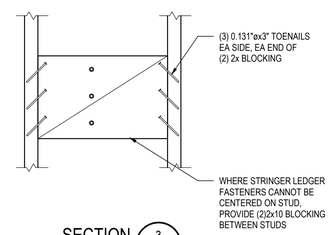

SECTION 3 / S405
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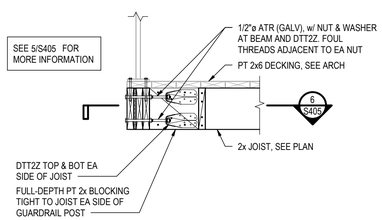
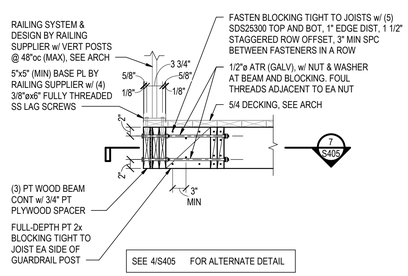
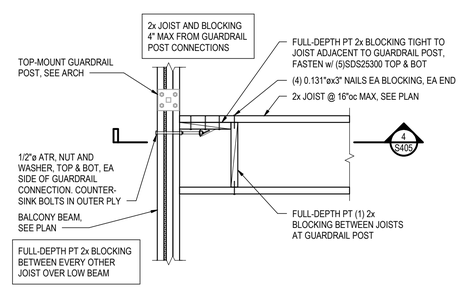


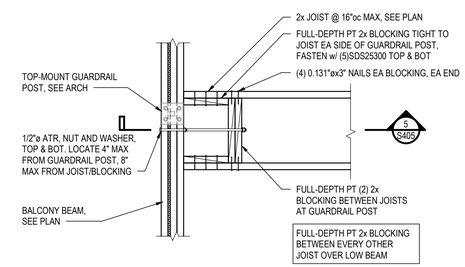
ALTERNATE BEAM RESTRAINT DETAIL 4 / S405
NTS



TYPICAL BEAM RESTRAINT DETAIL AT GUARDRAIL POSTS 5 / S405
NTS



ALTERNATE BEAM RESTRAINT DETAIL AT GUARDRAIL POSTS 6 / S405
NTS



TYPICAL BEAM RESTRAINT DETAIL AT GUARDRAIL POSTS 7 / S405
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STAIR FRAMING PLANS & DETAILS

S405

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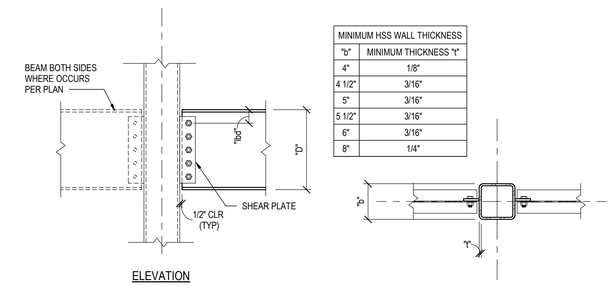
STEEL COLUMN SCHEDULE

LEVEL 2 T/STL										LEVEL 2 T/STL
110'-10 1/8" LEVEL 1	HSS4x4x1/2	HSS4x4x1/2	HSS4x4x1/2	HSS4x4x1/2	HSS4x4x1/2	HSS4x4x1/4	HSS5x5x3/8	HSS5x5x3/8	HSS5x5x3/8	110'-10 1/8" LEVEL 1
0"										0"
Column Locations	A-2	A-3	B-1	C-2	C-3	C.2-4	C.2-5	1A-4	1A-5	
BP TYPE	BP1	BP1	BP2	BP1	BP1	BP1	BP1	BP1	BP1	BP TYPE
BP SIZE (LxBxT)	12"x12"x3/4"	12"x12"x3/4"	12"x12"x3/4"	12"x12"x3/4"	12"x12"x3/4"	14"x14"x3/4"	14"x14"x3/4"	14"x14"x3/4"	14"x14"x3/4"	BP SIZE (LxBxT)
ANCHOR BOLT DIAMETER	3/4"ø	3/4"ø	3/4"ø	3/4"ø	3/4"ø	3/4"ø	3/4"ø	3/4"ø	3/4"ø	ANCHOR BOLT DIAMETER
ANCHOR BOLT EMBEDMENT	8"	8"	8"	8"	8"	8"	8"	8"	8"	ANCHOR BOLT EMBEDMENT



MINIMUM HSS WALL THICKNESS	
"b"	MINIMUM THICKNESS "t"
4"	1/8"
4 1/2"	3/16"
5"	3/16"
5 1/2"	3/16"
6"	3/16"
8"	1/4"

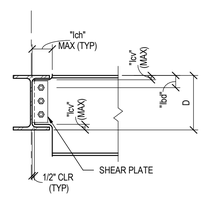
ELEVATION

PLAN VIEW

SHEAR PLATE, SEE "TYPICAL SINGLE-PLATE SHEAR CONNECTION DETAIL"

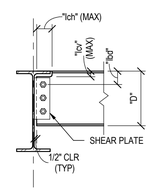
NOTES:
1. STEEL FABRICATOR SHALL DESIGN BEAM END CONNECTIONS PER STEEL GENERAL NOTES FOR UNFACTORED LOADS INDICATED ON PLAN. SUBMIT SIGNED AND SEALED SHOPS AND CALCS FOR REVIEW.

WIDE FLANGE BEAM TO HSS COLUMN SHEAR CONNECTION (3 / S501)
NTS

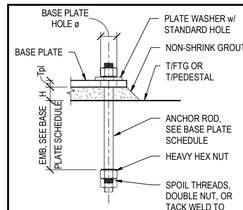


NOTES:
1. STEEL FABRICATOR SHALL DESIGN BEAM END CONNECTIONS PER STEEL GENERAL NOTES FOR UNFACTORED LOADS INDICATED ON PLAN. SUBMIT SIGNED AND SEALED SHOPS AND CALCS FOR REVIEW.

TYPICAL WIDE FLANGE BEAM TO WIDE FLANGE BEAM -BEAMS UNEQUAL DEPTH (4 / S501)
NTS



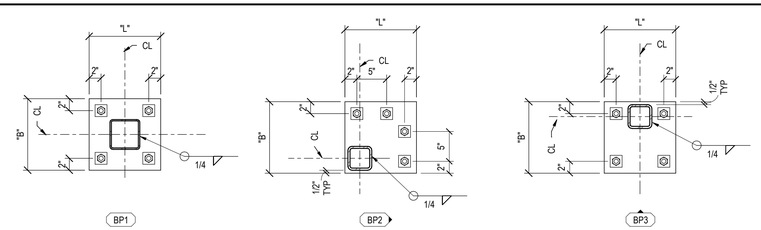
TYPICAL WIDE FLANGE BEAM TO WIDE FLANGE BEAM -BEAMS UNEQUAL DEPTH (5 / S501)
NTS



ANCHOR ROD ø	BASE PLATE HOLE ø	PLATE WASHER SIZE	GROUT THICKNESS (H)
3/4"	1 5/16"	2"x2"x1/4"	1 1/2"

TYPICAL CAST-IN-PLACE ANCHOR ROD DETAIL

BASE PLATE SCHEDULE



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Schaefer Project Number: 23-2168

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TYPICAL STEEL DETAILS & SCHEDULES

S501

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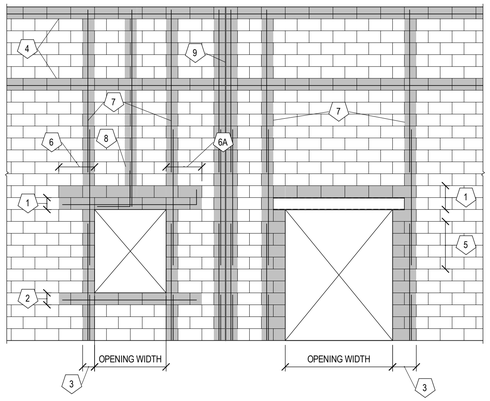
CMU WALL KEYNOTES:

1. SEE LINTEL SCHEDULE FOR LINTELS ABOVE OPENINGS. SEE PLAN FOR LINTEL MARKS.
2. PROVIDE (1) #5 SILL REINFORCING AT OPENINGS.
3. FOR JAMB REINFORCING AT OPENINGS, SEE DETAIL CALLED OUT ON "TYPICAL VERTICAL BARS ON EACH SIDE OF OPENINGS" ON THIS SHEET..
4. SEE RELATING WALL SECTIONS AND ELEVATIONS FOR BOND BEAM LOCATIONS AND REINFORCING. BOND BEAM REINFORCEMENT TO CONTINUE THRU CONTROL JOINTS.
5. SEE CMU WALL REINFORCING SCHEDULE FOR LAP SPLICE LENGTHS.
6. EXTEND HORIZONTAL REINFORCING THE GREATER OF 24 INCHES OR 40 BAR DIAMETERS BEYOND FACE OF OPENING.
   A. WHERE BARS ARE UNABLE TO EXTEND FULL LENGTH, TERMINATE BARS WITH STANDARD HOOK.
7. AT OPENINGS IN EXTERIOR WALLS, EXTEND VERTICAL REINFORCING TO TOP OF WALL. AT OPENINGS IN INTERIOR WALLS, EXTEND VERTICAL REINFORCING BEYOND FLOOR ABOVE EQUAL TO VERTICAL LAP LENGTH OR TO TOP OF WALL.
8. TYPICAL WALL REINFORCING ABOVE OPENINGS HAVE CORNER BARS (30 Db EA LEG OR 180 DEGREE HOOKS EA END) LAPPED AND TIED WITH HORIZONTAL LINTEL REINFORCING.
9. SEE PLANS FOR CONTROL JOINT LOCATIONS AND "TYPICAL VERTICAL BARS @ CONTROL JOINTS" ON THIS DRAWING.

TYPICAL WALL NOTES:

- TYPICAL WALL REINFORCING NOT SHOWN FOR CLARITY. SEE PLAN FOR MARKS AND SCHEDULE FOR TYPICAL GROUT, REINFORCING SIZE AND SPACING.

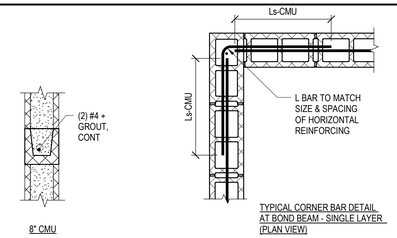


TYPICAL CMU WALL ELEVATION

TYPICAL MASONRY ELEVATION

NTS

TYPICAL BOND BEAM DETAILS

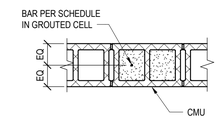


Wx	CMU WALL REINFORCING SCHEDULE			
MARK	CMU SIZE	TYPICAL VERTICAL REINFORCING	SPLICE LENGTH	SPLICE f'm
W1	8	(1) #5 @ 48"oc	20"	2000PSI

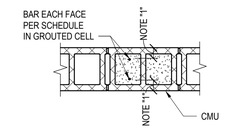
NOTES:

1. "Wx#" - INDICATES VERTICAL WALL REINFORCING.
2. SOLID GROUT ALL CELLS CONTAINING REINFORCING.
3. REINFORCING TO BE PLACED IN CENTER OF GROUTED CELL UNLESS NOTED OTHERWISE.
4. EXTEND REINFORCING FROM PLAN LEVEL SHOWN DOWN TO LEVEL BELOW AND LAP PER SCHEDULE IN MASONRY SECTION OF GENERAL STRUCTURAL NOTES. EXTEND DOWEL OR BENT BAR OUT OF CONCRETE WALL OR FOOTING TO PROVIDE LAP WITH EACH CMU VERTICAL REINFORCING BAR.
5. ALL ABOVE GRADE CMU WALLS ARE TYPE W1 UNO ON PLAN.
6. PROVIDE 8"x16" BOND BEAM w/ (2) CONT #4 @ EA FLOOR AND ROOF, SEE WOOD FRAMING SECTIONS.

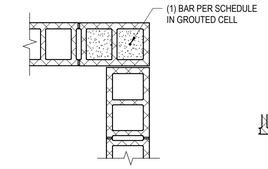
TYPICAL CMU REINFORCING PLAN DETAILS



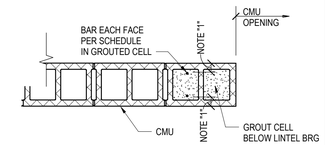
TYPICAL VERTICAL BAR CENTERED
DETAIL A/S601



TYPICAL VERTICAL BAR EACH FACE
DETAIL B/S601



TYPICAL VERTICAL BARS
@ CORNERS (MIN, UNO)



TYPICAL VERTICAL BARS ON EACH
SIDE OF OPENINGS (MIN, UNO)

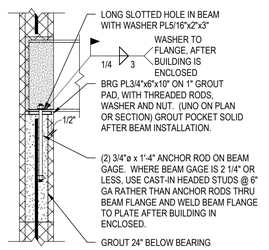
NOTES:

1. 8" CMU : 2 3/8" MAX (BUT MAINTAIN MIN 1/2" CLEAR BETWEEN BAR & FACE SHELL).
   12" CMU : 2 5/8" MAX (BUT MAINTAIN MIN 1/2" CLEAR BETWEEN BAR & FACE SHELL).

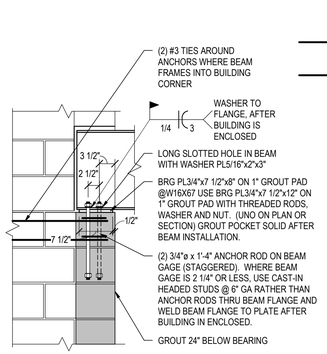
Ln	CMU LINTEL SCHEDULE		
MARK	DETAIL	DESCRIPTION	REMARKS
L1	1/S601	16" BOND BEAM w/ (2) #5 BOTTOM	
L2	2/S601	24" BOND BEAM w/ (2) #5 BOTTOM	

NOTES:

1. PROVIDE 8" BEARING EACH END OF LINTEL, UNO.
2. CENTER LINTEL UNDER CMU, UNO IN PLAN OR SECTION.



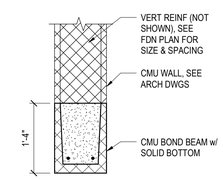
WALL PERPENDICULAR TO BEAM



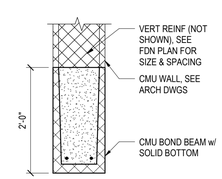
WALL PARALLEL TO BEAM

TYPICAL BEAM AND LINTEL BEARING DETAIL

NTS



DETAIL 1/S601
NTS



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TYPICAL MASONRY DETAILS & SCHEDULES

S601

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FIRE PROTECTION SHEET INDEX

Sheet Number	Sheet Name
FP001	FIRE PROTECTION COVER SHEET
FP111	FIRST FLOOR FIRE PROTECTION PLAN
FP112	SECOND FLOOR FIRE PROTECTION PLAN
FP113	THIRD FLOOR FIRE PROTECTION PLAN

FIRE PROTECTION GENERAL NOTES:

THE BUILDING SHALL BE FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13R. SPRINKLER SYSTEM LAYOUT AS SHOWN ON THESE DESIGN DOCUMENTS IS FOR BASIC SCOPE AND COORDINATION. LAYOUT IS SCHEMATIC AND FOR CRITERIA PURPOSES. FIRE SUPPRESSION CONTRACTOR SHALL SUPPLY REQUIRED HEADS ABOVE AND BELOW CEILING PLANES AND BUILDING ELEMENTS. PIPE SIZES SHOWN ON PLANS AND DETAILS ARE ESTIMATED PIPE SIZES.

A. THE DRAWINGS IN THIS SECTION ARE DIAGRAMMATIC AND ARE NOT INTENDED TO DEFINE QUANTITIES, EXACT LOCATIONS, OR EXACT CODIFIED REQUIREMENTS. THE DRAWINGS SHALL NOT BE SCALED. EXACT STATE AND LOCAL REQUIREMENTS SHALL BE VERIFIED BY AND ARE THE SOLE RESPONSIBILITY OF THIS CONTRACTOR. ANY INFORMATION WHICH DIRECTLY CONFLICTS WITH ANY OF THESE CODES OR ANY DISCREPANCIES FOUND IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT/ENGINEER.

B. FIRE PROTECTION PERMITS SHALL BE APPLIED FOR, OBTAINED AND PAID FOR BY THIS CONTRACTOR. THIS CONTRACTOR SHALL VERIFY THE DESIGN OF THE SYSTEM IDENTIFIED BY THE CONTRACT DOCUMENTS, AND BY VIRTUE OF COMPLETING THE WORK SHALL BE RESPONSIBLE FOR GUARANTEES THAT THE INSTALLED SYSTEMS WILL FUNCTION PROPERLY AS DESIGNATED BY THE CONTRACT DOCUMENTS.

C. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING THROUGH PENETRATION PROTECTION DEVICES AND FIRE STOPPING DEVICES AT ALL PIPES, LINES, WIRING, DUCTWORK, OR OTHER COMPONENTS THIS CONTRACTOR INSTALLS WHICH PENETRATE RATED WALLS OR FLOOR ASSEMBLIES.

D. SEE SITE DRAWINGS FOR ADDITIONAL REQUIREMENTS. FIRE SUPPRESSION CONTRACTOR MUST COORDINATE ALL ASPECTS OF THE FIRE SUPPRESSION SYSTEM INCLUDING ALL SITE WORK WITH THE WATER UTILITY AND FIRE AUTHORITY AS WELL AS ALL BUILDING ELEMENTS WITH THE ARCHITECTURAL DOMINANT FEATURES (AS DETERMINED BY THE ENGINEER OF RECORD), IN NO CASE MAY THE FIRE SUPPRESSION CONTRACTOR LOCATE PIPES, HEADS OR ELEMENTS OF THE FIRE SUPPRESSION SYSTEM THAT ARE NOT APPROVED BY SHOP DRAWING AND COORDINATED WITH ALL OTHER BUILDING ELEMENTS AND MOUNTED AS HIGH AS POSSIBLE.

E. SPRINKLER SYSTEM SHALL BE DESIGNED BY PROFESSIONAL ENGINEER/LICENSED FIRE SUPPRESSION DESIGNER CERTIFIED IN THE STATE HAVING JURISDICTION AND INSTALLED IN STRICT COMPLIANCE WITH NFPA13. THIS CONTRACTOR SHALL BE FAMILIAR WITH ALL NFPA13 REQUIREMENTS.

F. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SPRINKLER SYSTEM ENGINEERING AND PROVIDING HYDRAULIC CALCULATIONS FOR THE PROPOSED SYSTEM TO DETERMINE PROPER WATER SERVICE LINE SIZES. COMPLETE CALCULATIONS SHALL BE PROVIDED AS NEEDED FOR SITE UTILITY INSTALLATIONS AND PERMITS.

G. IT IS THE INTENT OF THE CONTRACT DOCUMENTS THAT THIS CONTRACTOR PROVIDE A COMPLETE, FUNCTIONAL SPRINKLER SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES.

H. EXACT SPRINKLER LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND FIXTURES. SEE REFLECTED CEILING PLAN FOR OTHER FIXTURE LOCATIONS.

I. INSTALL FLANGES OR FLANGE ADAPTERS ON VALVES, APPARATUS, AND EQUIPMENT HAVING NPS 2-1/2 (DN65) AND LARGER CONNECTIONS.

J. INSTALL "INSPECTOR'S TEST CONNECTIONS" IN SPRINKLER PIPING, COMPLETE WITH SHUTOFF VALVE, SIZED AND LOCATED ACCORDING TO NFPA 13R.

K. INSTALL SPRINKLER TAMPER AND FLOW SWITCHES AS REQUIRED BY NFPA 72 AT ALL VALVES AND FLOW LOCATIONS.

L. INSTALL ALARM DEVICES IN PIPING SYSTEMS.

M. INSTALL PIPING WITH GROOVED JOINTS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. CONSTRUCT RIGID PIPING JOINTS, UNLESS OTHERWISE INDICATED.

N. INSTALL PRESSURE GAGES ON RISER OR FEED MAIN. AT EACH SPRINKLER TEST CONNECTION, AND AT TOP OF EACH STANDPIPE. INCLUDE PRESSURE GAGES WITH CONNECTION NOT LESS THAN NPS 1/4 (DN8) AND WITH SOFT METAL SEATED GLOBE VALVE, ARRANGED FOR DRAINING PIPE BETWEEN GAGE AND VALVE. INSTALL GAGES TO PERMIT REMOVAL, AND INSTALL WHERE THEY WILL NOT BE SUBJECT TO FREEZING.

O. PERMITS: ALL WORK SHALL BE PROVIDED IN ACCORDANCE WITH CURRENT VERSION OF ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION (AHJ). CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND INSPECTIONS. CONTRACTOR SHALL BE FAMILIAR WITH LOCAL AHJ INTERPRETATIONS BEFORE THE BID. ALL ADDITIONAL COSTS RESULTING FROM CODE INTERPRETATION SHALL BE BORNE BY THE CONTRACTOR.

P. CONTRACT DOCUMENTS: DOCUMENTS ARE DEFINED AS DRAWINGS, SPECIFICATIONS, AND CHANGES RECORDED BY ADDENDA, ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS, BULLETINS, CHANGE ORDER, OR OTHER INSTRUCTION WHICH MAY BE TRANSMITTED TO MODIFY THE ORIGINAL INTENT OF THE WORK. THE DRAWINGS IN THIS SECTION ARE DIAGRAMMATIC AND ARE NOT INTENDED TO DEFINE EXACT QUANTITIES OR DETAILS. ALL PIPING LAYOUTS ARE SCHEMATIC AND SHOWN FOR GENERAL REFERENCE. DRAWINGS SHALL NOT BE SCALED. REFER TO THE SPECIFICATIONS FOR GENERAL REQUIREMENTS, FOR PRODUCT QUALITY, CONSTRUCTION AND FINISH, AND FOR ADDITIONAL INSTALLATION INSTRUCTIONS. CONCEALED CONDITIONS MAY OCCUR, AND ANY SCOPE CHANGE REQUIRED SHALL BE APPROVED BY THE OWNER, THE ARCHITECT, THE ENGINEER, AND THE GENERAL CONTRACTOR, PRIOR TO PROCEEDING.

Q. COORDINATION: CONFIRM SIZE AND LOCATION OF ALL WORK PRIOR TO BID AND CONSTRUCTION. VERIFY ALL CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION. VERIFY EXACT DIMENSIONS AND SEQUENCING OF THE WORK AND COORDINATE WITH THE BUILDING STRUCTURE AND WITH THE OTHER TRADES. PIPING SHALL BE INSTALLED ONLY AFTER COORDINATED WITH OTHER TRADES. CONCEAL PIPING WHENEVER POSSIBLE. INSTALL EQUIPMENT (AND PIPING) FOR EASY EQUIPMENT DISCONNECTION AND REPLACEMENT, TO FACILITATE SERVICE, MAINTENANCE, REPAIR, AND REPLACEMENT OF COMPONENTS, AND TO ELIMINATE INTERFERENCE WITH OTHER INSTALLATIONS. DASHED AREAS SHOWN IN FRONT OF, AND AROUND EQUIPMENT ARE AREAS REQUIRED FOR MAINTENANCE AND INSPECTION. THESE AREAS SHALL BE MAINTAINED CLEAR OF OBSTRUCTIONS TO 7'-0" A.F.F., OR TO THE HEIGHT OF THE EQUIPMENT (WHICHEVER IS LARGER). ALL ADDITIONAL COSTS RESULTING FROM LACK OF COORDINATION SHALL BE BORNE BY THE CONTRACTOR. PIPING SHALL NOT BE INSTALLED OVER ANY ELECTRIC PANEL OR EQUIPMENT. THIS CONTRACTOR IS RESPONSIBLE TO NOT INSTALL PIPING OVER ANY ELECTRIC PANEL OR EQUIPMENT. THIS CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL EQUIPMENT REQUIREMENTS WITH THE GENERAL CONTRACTOR AND ALL OTHER TRADES. ANY COST OR COORDINATION THAT IS CAUSED BY A PRODUCT OTHER THAN THE BASIS OF DESIGN SHALL BE BORNE BY THE SUBSTITUTING CONTRACTOR.

R. DEFINITIONS: "APPROVED" MEANS APPROVED BY THE ENGINEER AND OWNER BEFORE ORDER, PURCHASE, OR DELIVERY. "FURNISH" MEANS TO PURCHASE, ARRANGE FOR DELIVERY TO SITE, AND TO TAKE DELIVERY AT THE SITE. "INSTALL" MEANS TO PLACE IN POSITION FOR USE. "PROVIDE" MEANS TO FURN

S. INCIDENTALS: PROVIDE MATERIALS, LABOR, AND INCIDENTAL WORK (INCLUDING PROTECTION OF EXISTING, SURFACE PREPARATION, HANGARS, AND OTHER APPURTENANCES) TO PROVIDE COMPLETE WORKING SPRINKLER SYSTEMS FOR THE PROJECT. OFFSETS, ACCESSORIES, AND OTHER MISCELLANEOUS HARDWARE ARE NOT SHOWN, BUT SHALL BE INCLUDED AT NO ADDITIONAL COST WHERE REQUIRED TO COMPLETE THE SYSTEM. MAJOR DEVIATIONS FROM THE DESIGN SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER BEFORE ORDERING SUPPLIES OR STARTING WORK.

T. WARRANTY: TO OBTAIN FINAL PROJECT CERTIFICATES OF OCCUPANCY UPON COMPLETION OF THE WORK SCOPE, CONTRACTOR SHALL WARRANT THAT THE WORK HAS BEEN COMPLETED IN COMPLIANCE WITH ESTABLISHED CODES AND REGULATIONS. CERTIFICATE SHALL BE GIVEN TO OWNER AT PROJECT COMPLETION.

U. PENETRATIONS: PENETRATIONS THROUGH FIRE/SMOKE RATED CONSTRUCTION SHALL BE PROTECTED WITH A PRODUCT LISTED AND LABELED TO MAINTAIN THE FIRE /SMOKE RATING OF SYSTEM PENETRATED. PIPES, LINES, DRAINS, ETC., WHICH PENETRATE THROUGH WALLS, SLABS, MASONRY, ETC. SHALL DO SO THROUGH PIPE SLEEVES. ALL GAPS OUTSIDE AND INSIDE OF THE SLEEVES SHALL BE CAULKED OR BE TIGHTLY PACKED WITH INSULATION (BLANKET OR FOAM) IN ORDER TO MAINTAIN PROPER PROTECTION AGAINST HEAT LOSS, INFILTRATION, SOUND TRANSMISSION, ETC.

V. THE SPRINKLER SUBCONTRACTOR SHALL ENGAGE A STATE LICENSED SPRINKLER/FIRE PROTECTION SYSTEM DESIGNER FOR COMPLETE DESIGN OF THE FIRE PROTECTION SYSTEMS. PROVIDE FLOW TESTS, HYDRAULIC CALCULATIONS, DESIGN/SHOP DRAWINGS, SUBMITTALS, AND ANY OTHER ASSOCIATED DOCUMENTATION AND THEN APPLY, PAY FOR AND OBTAIN PERMITS NEEDED FOR CONSTRUCTION. REVIEW AND COORDINATE WITH OTHER TRADES, INCLUDING ARCHITECTURAL/STRUCTURAL WORK, THEN PROVIDE ALL LABOR AND MATERIALS TO CONSTRUCT THE SYSTEMS INCLUDING SURFACE PREP, PIPING, VALVES, FITTINGS, HEADS, HANGERS, INSERTS, ACCESSORIES, AND MISCELLANEOUS MATERIALS REQUIRED. LOCATE SPRINKLER HEADS IN THE AREAS, AND WITH SPACING TO MEET THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION, TO PROVIDE COMPLETE WORKING FIRE PROTECTION SYSTEMS FOR THE PROJECT. SHOP DRAWINGS SHALL BE REVIEWED BY ARCHITECT/ENGINEER PRIOR TO SUBMISSION.

W. FIRE DEPARTMENT CONNECTIONS SHALL HAVE A LISTED CHECK VALVE AND CONNECT TO THE SPRINKLER MAIN. COORDINATE EXACT FIRE DEPARTMENT CONNECTION REQUIREMENTS AND LOCATION WITH THE AUTHORITY HAVING JURISDICTION.

X. PROVIDE A TEST CONNECTION PIPE WITH AT LEAST 1IN. NOMINAL DIAMETER THAT TERMINATES IN AN ORIFICE EQUAL TO OR SMALLER THAN THE SAME SIZE AS THE SMALLEST SPRINKLER INSTALLED IN THE SYSTEM. A CONTROL VALVE AND DRAIN SHALL BE PROVIDED FOR THE TEST CONNECTION.

Y. SPRINKLERS HALL BE INSTALLED IN SPACES USED FOR HEATING AND AIR CONDITIONING EQUIPMENT, WASHERS, DRYERS, OR WATER HEATERS REGARDLESS OF SIZE.

Z. CONFIRM WITH OWNER WHERE SIDEWALL HEADS, PENDANT HEADS, AND RECESSED HEADS ARE TO BE USED.

AA. PROVIDE SPRINKLER HEADS IN CONCEALED SPACES OF NFPA 13 AREAS UNLESS THE SPRINKLER DESIGNER VERIFIES WITH THE ARCHITECT AND G.C. THAT NON-COMBUSTIBLE MATERIALS WERE USED IN THE CONSTRUCTION.

BB. NFPA13 8.15.3.1 STAIRWAYS OF COMBUSTIBLE CONSTRUCTION SHALL HAVE SPRINKLERS INSTALLED BENEATH ALL STAIRWAYS.

CC. NFPA13 8.15.3.2.1 STAIRWAYS OF NON-COMBUSTIBLE CONSTRUCTION SHALL HAVE SPRINKLERS INSTALLED AT THE TOP OF THE SHAFT AND UNDER THE FIRST LANDING ABOVE THE SHAFT.

DD. NFPA13 8.15.7.2 SPRINKLERS SHALL BE INSTALLED UNDER EXTERIOR ROOFS, CANOPIES AND PORTE-COCHERES EXCEEDING 4 FEET IN WIDTH UNLESS NON-COMBUSTIBLE, LIMITED COMBUSTIBLE, OR FIRE RETARDANT MATERIALS AND FINISHES ARE USED.

EE. NFPA13 21.20.19.2.1 SPRINKLERS SHALL BE INSTALLED IN CLOSETS LARGER THAN 12FT².

FF. THIS CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL EQUIPMENT REQUIREMENTS WITH THE GENERAL CONTRACTOR AND ALL OTHER TRADES. ANY COST OR COORDINATION THAT IS CAUSED BY A PRODUCT OTHER THAN THE BASIS OF DESIGN SHALL BE BORNE BY THE SUBSTITUTING CONTRACTOR.

VALVE APPLICATIONS

1. DRAWINGS INDICATE VALVE TYPES TO BE USED. WHERE SPECIFIC VALVE TYPES ARE NOT INDICATED, THE FOLLOWING REQUIREMENTS APPLY:
   a. FIRE-PROTECTION-SERVICE VALVES: UL LISTED AND FM APPROVED FOR APPLICATIONS WHERE REQUIRED BY NFPA 13.
      a. SHUTOFF DUTY: USE GATE VALVES.
   b. GENERAL-DUTY VALVES: FOR APPLICATIONS WHERE UL-LISTED AND FM-APPROVED VALVES ARE NOT REQUIRED BY NFPA 13.
      a. SHUTOFF DUTY: USE GATE, BALL, OR BUTTERFLY VALVES.
      b. THROTTLING DUTY: USE GLOBE, BALL, OR BUTTERFLY VALVES.

JOINT CONSTRUCTION

1. REFER TO DIVISION SECTION "COMMON WORK RESULTS FOR FIRE SUPPRESSION" FOR BASIC PIPING JOINT CONSTRUCTION.
2. DUCTILE-IRON-PIPING, GROOVED JOINTS: USE DUCTILE-IRON PIPE WITH RADIUS-CUT-GROOVED ENDS. DUCTILE-IRON, GROOVED-END FITTINGS; AND DUCTILE-IRON, KEYED COUPLINGS. ASSEMBLE JOINTS WITH COUPLINGS, GASKETS, LUBRICANT, AND BOLTS ACCORDING TO COUPLING MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. STEEL-PIPING, GROOVED JOINTS: USE SCHEDULE 40 STEEL PIPE WITH CUT OR ROLL-GROOVED ENDS AND SCHEDULE 30 OR THINNER STEEL PIPE WITH ROLL-GROOVED ENDS; STEEL, GROOVED-END FITTINGS; AND STEEL, KEYED COUPLINGS. ASSEMBLE JOINTS WITH COUPLINGS, GASKETS, LUBRICANT, AND BOLTS ACCORDING TO COUPLING MANUFACTURER'S WRITTEN INSTRUCTIONS. USE GASKETS LISTED FOR DRY-PIPE SERVICE FOR DRY PIPING.
4. DISSIMILAR-PIPING-MATERIAL JOINTS: CONSTRUCT JOINTS USING ADAPTERS OR COUPLINGS COMPATIBLE WITH BOTH PIPING MATERIALS. USE DIELECTRIC FITTINGS IF BOTH PIPING MATERIALS ARE METAL. REFER TO DIVISION 15 SECTION "COMMON WORK RESULTS FOR FIRE SUPPRESSION" FOR DIELECTRIC FITTINGS.

PIPING:

1. USE APPROVED FITTINGS TO MAKE CHANGES IN DIRECTION, BRANCH TAKEOFFS FROM MAINS AND REDUCTIONS IN PIPE SIZES.
2. INSTALL UNIONS ADJACENT TO EACH VALVE IN PIPES NPS 2 (DN50) AND SMALLER. UNIONS ARE NOT REQUIRED ON FLANGED DEVICES OR IN PIPING INSTALLATIONS USING GROOVED JOINTS.
3. INSTALL SPRINKLER PIPING WITH DRAINS FOR COMPLETE SYSTEM DRAINAGE.
4. INSTALL DRAIN VALVES ON PIPING SYSTEMS.
5. HANGERS AND SUPPORTS: COMPLY WITH NFPA 13 FOR HANGER MATERIALS. INSTALL ACCORDING TO NFPA 13R FOR SPRINKLER PIPING AND TO NFPA 14 FOR STANDPIPES.

COMMISSIONING

1. VERIFY THAT SPECIALTY VALVES, TRIM, FITTINGS, CONTROLS AND ACCESSORIES ARE INSTALLED AND OPERATE CORRECTLY.
2. VERIFY THAT AIR COMPRESSORS AND THEIR ACCESSORIES ARE INSTALLED AND OPERATE CORRECTLY.
3. VERIFY THAT SPECIFIED TESTS OF PIPING ARE COMPLETE.
4. VERIFY THAT POTABLE-WATER SUPPLIES HAVE CORRECT TYPES OF BACK FLOW PREVENTERS.
5. DRAIN DRY-PIPE SPRINKLER PIPING. (IF PRESENT)
6. PRESSURIZE AND CHECK DRY-PIPE SPRINKLER PIPING, AIR-PRESSURE MAINTENANCE DEVICES AND AIR COMPRESSORS.
7. VERIFY THAT FIRE DEPARTMENT CONNECTIONS HAVE THREADS COMPATIBLE WITH LOCAL FIRE DEPARTMENT EQUIPMENT.
8. FILL WET-PIPE SPRINKLER PIPING WITH WATER.
9. START AND RUN AIR COMPRESSORS. (IF PRESENT)
10. ADJUST OPERATING CONTROLS AND PRESSURE SETTINGS.
11. COORDINATE WITH FIRE ALARM TESTS. OPERATE AS REQUIRED.

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FIRE PROTECTION COVER SHEET

FP001

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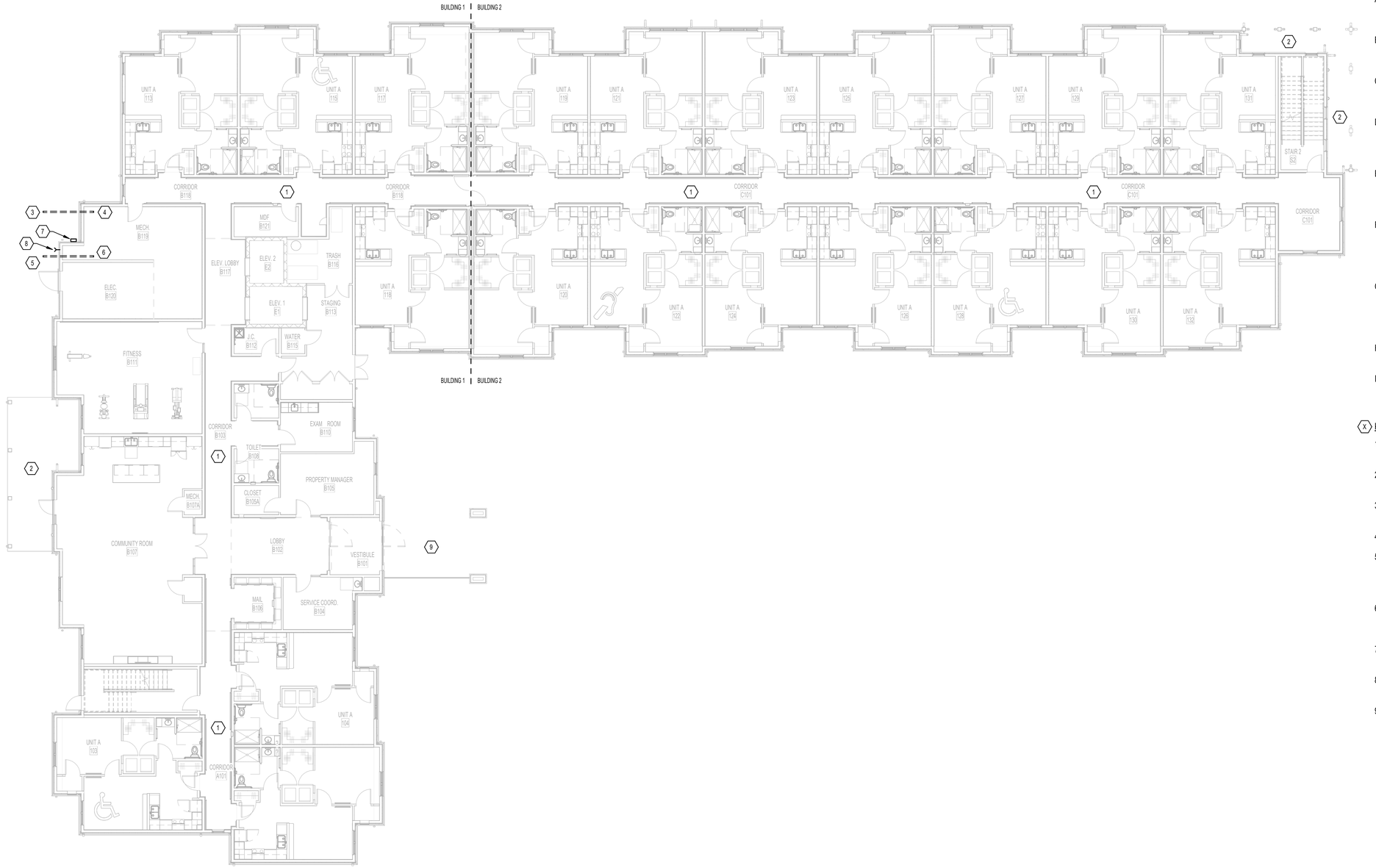

1 FIRST FLOOR - FIRE PROTECTION PLAN

3/32" = 1'-0"

GENERAL FIRE PROTECTION NOTES:

A. THE SPRINKLER SYSTEM DESIGN AND LAYOUT FOR USE GROUP R-2, SHALL BE IN COMPLIANCE WITH NFPA 13R. REFER TO ARCHITECTURAL CODE DRAWINGS.

B. THE ENTIRE BUILDING FACILITY SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM, INCLUDING UNCONDITIONED SPACES.

C. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING AND ROUTING SPRINKLER DISTRIBUTION PIPING THROUGHOUT THE FACILITY.

D. ALL CEILING MOUNTED SPRINKLER HEADS SHALL BE COORDINATED WITH THE ELECTRICAL AND MECHANICAL CONTRACTORS ALONG WITH THE ARCHITECTURAL CEILING PLANS.

E. ALL SPRINKLER HEADS LOCATED IN SOLID AND LAY-IN TYPE CEILING SYSTEMS, SHALL BE CONCEALED AND CENTERED IN THE MIDDLE OF THE CEILING PANELS, UNLESS NOTED OTHERWISE.

F. NO SPRINKLER PIPING SHALL BE ROUTED OVER ELECTRICAL SWITCHGEAR, ELECTRICAL PANELS OR TRANSFORMERS. COORDINATE WITH ELECTRICAL CONTRACTOR AND MAINTAIN CLEARANCES PER NFPA AND NEC REQUIREMENTS.

G. TAMPER PROOF SWITCHES SHALL BE PROVIDED ON FIRE SERVICE OS & Y VALVES IN THE METER PIT. COORDINATE WITH THE FIRE ALARM SYSTEM CONTRACTOR. REFER TO CIVIL SITE PLANS FOR METER PIT LOCATION AND PIPING DETAILS.

H. COORDINATE FIRE DEPARTMENT CONNECTION LOCATIONS WITH LOCAL FIRE MARSHALL.

I. REFERENCE CIVIL SITE PLANS FOR FIRE HYDRANT LOCATIONS.

(X) KEYED NOTES:

1. SPRINKLER DISTRIBUTION PIPING SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR.
2. PROVIDE DRY SIDEWALL SPRINKLER HEADS IN UNCONDITIONED PORCH SPACES.
3. DOMESTIC WATER SERVICE MAIN. REFER TO CIVIL UTILITY DRAWINGS FOR CONTINUATION.
4. REFER TO PLUMBING DRAWINGS FOR CONTINUATION.
5. FIRE SERVICE MAIN. THE SIZE SHALL BE DETERMINED BY THE FIRE PROTECTION CONTRACTOR AND HYDRAULIC CALCULATIONS. PIPE DEPTH SHALL BE BELOW THE FROST LINE. COORDINATE WITH SITE CONTRACTOR.
6. FIRE PROTECTION CONTRACTOR SHALL DETERMINE THE SIZE AND QUANTITY OF FIRE RISERS BASED ON FIRE SYSTEM HYDRAULIC CALCULATIONS.
7. KNOX BOX FOR FIRE DEPARTMENT ACCESS INTO THE BUILDING.
8. FIRE DEPARTMENT CONNECTION. COORDINATE LOCATION WITH FIRE MARSHAL.
9. PROVIDE DRY PENDENT SPRINKLER COVERAGE IN PORTE COCHERE.

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FIRST FLOOR FIRE PROTECTION PLAN

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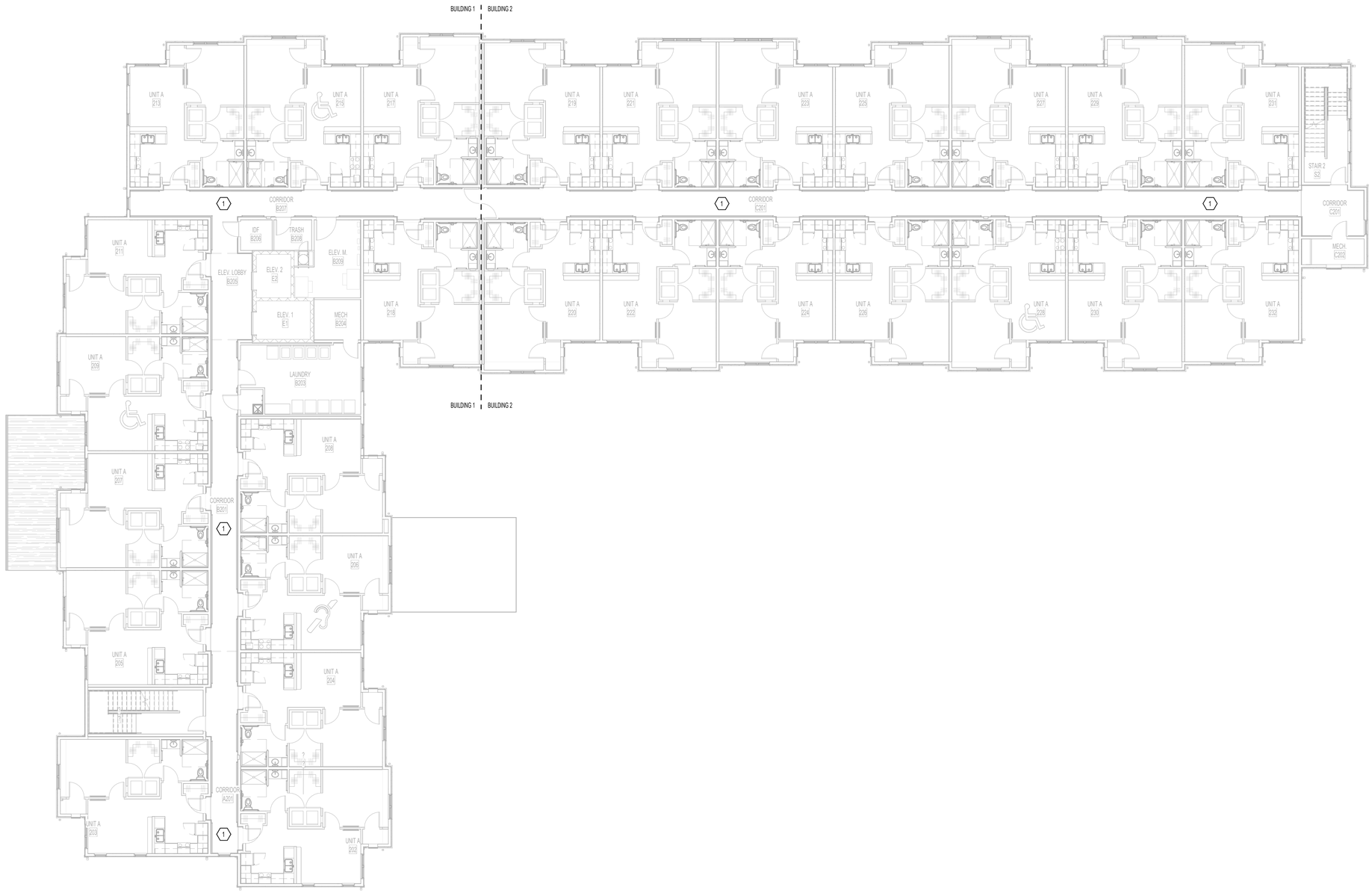

1 SECOND FLOOR - FIRE PROTECTION PLAN

3/32" = 1'-0"

GENERAL FIRE PROTECTION NOTES:

A. THE SPRINKLER SYSTEM DESIGN AND LAYOUT FOR USE GROUP R-2, SHALL BE IN COMPLIANCE WITH NFPA 13R. REFER TO ARCHITECTURAL CODE DRAWINGS.

B. THE ENTIRE BUILDING FACILITY SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM, INCLUDING UNCONDITIONED SPACES.

C. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING AND ROUTING SPRINKLER DISTRIBUTION PIPING THROUGHOUT THE FACILITY.

D. ALL CEILING MOUNTED SPRINKLER HEADS SHALL BE COORDINATED WITH THE ELECTRICAL AND MECHANICAL CONTRACTORS ALONG WITH THE ARCHITECTURAL CEILING PLANS.

E. ALL SPRINKLER HEADS LOCATED IN SOLID AND LAY-IN TYPE CEILING SYSTEMS, SHALL BE CONCEALED AND CENTERED IN THE MIDDLE OF THE CEILING PANELS, UNLESS NOTED OTHERWISE.

F. NO SPRINKLER PIPING SHALL BE ROUTED OVER ELECTRICAL SWITCHGEAR, ELECTRICAL PANELS OR TRANSFORMERS. COORDINATE WITH ELECTRICAL CONTRACTOR AND MAINTAIN CLEARANCES PER NFPA AND NEC REQUIREMENTS.

G. TAMPER PROOF SWITCHES SHALL BE PROVIDED ON FIRE SERVICE OS & Y VALVES IN THE METER PIT. COORDINATE WITH THE FIRE ALARM SYSTEM CONTRACTOR. REFER TO CIVIL SITE PLANS FOR METER PIT LOCATION AND PIPING DETAILS.

H. COORDINATE FIRE DEPARTMENT CONNECTION LOCATIONS WITH LOCAL FIRE MARSHALL.

I. REFERENCE CIVIL SITE PLANS FOR FIRE HYDRANT LOCATIONS.

(X) KEYED NOTES:

1. SPRINKLER DISTRIBUTION PIPING SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR.

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SECOND FLOOR FIRE PROTECTION PLAN

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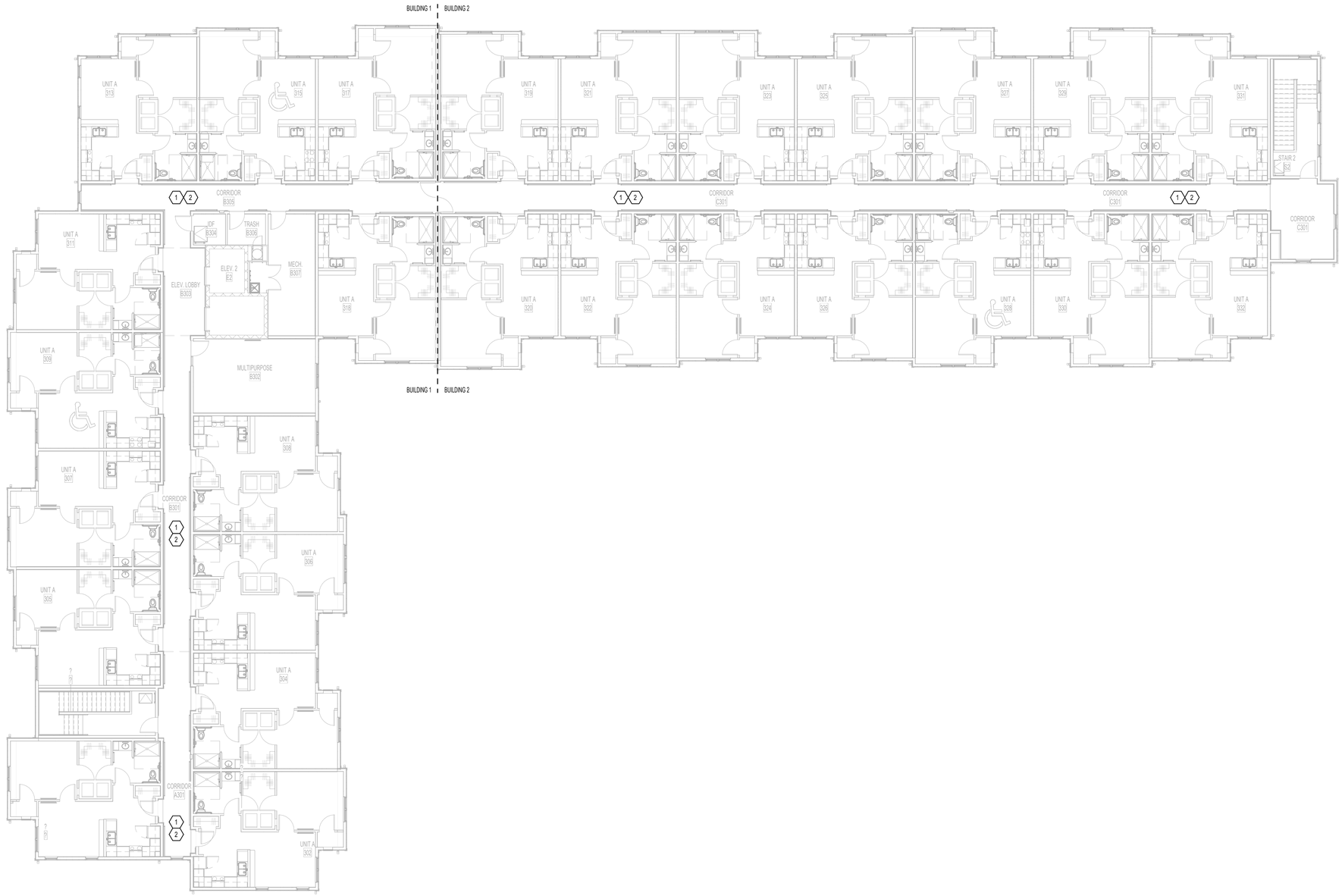

1 THIRD FLOOR - FIRE PROTECTION PLAN

3/32" = 1'-0"

GENERAL FIRE PROTECTION NOTES:

A. THE SPRINKLER SYSTEM DESIGN AND LAYOUT FOR USE GROUP R-2, SHALL BE IN COMPLIANCE WITH NFPA 13R. REFER TO ARCHITECTURAL CODE DRAWINGS.

B. THE ENTIRE BUILDING FACILITY SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM, INCLUDING UNCONDITIONED SPACES.

C. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING AND ROUTING SPRINKLER DISTRIBUTION PIPING THROUGHOUT THE FACILITY.

D. ALL CEILING MOUNTED SPRINKLER HEADS SHALL BE COORDINATED WITH THE ELECTRICAL AND MECHANICAL CONTRACTORS ALONG WITH THE ARCHITECTURAL CEILING PLANS.

E. ALL SPRINKLER HEADS LOCATED IN SOLID AND LAY-IN TYPE CEILING SYSTEMS, SHALL BE CONCEALED AND CENTERED IN THE MIDDLE OF THE CEILING PANELS, UNLESS NOTED OTHERWISE.

F. NO SPRINKLER PIPING SHALL BE ROUTED OVER ELECTRICAL SWITCHGEAR, ELECTRICAL PANELS OR TRANSFORMERS. COORDINATE WITH ELECTRICAL CONTRACTOR AND MAINTAIN CLEARANCES PER NFPA AND NEC REQUIREMENTS.

G. TAMPER PROOF SWITCHES SHALL BE PROVIDED ON FIRE SERVICE OS & Y VALVES IN THE METER PIT. COORDINATE WITH THE FIRE ALARM SYSTEM CONTRACTOR. REFER TO CIVIL SITE PLANS FOR METER PIT LOCATION AND PIPING DETAILS.

H. COORDINATE FIRE DEPARTMENT CONNECTION LOCATIONS WITH LOCAL FIRE MARSHALL.

I. REFERENCE CIVIL SITE PLANS FOR FIRE HYDRANT LOCATIONS.

(X) KEYED NOTES:

1. SPRINKLER DISTRIBUTION PIPING SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR.

2. PROVIDE DRY SPRINKLER HEAD COVERAGE IN UNCONDITIONED ATTIC SPACES. VERIFY SPRINKLER HEAD REQUIREMENTS WITH SPRINKLER CONTRACTOR.

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THIRD FLOOR FIRE PROTECTION PLAN

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PLUMBING NOTATIONS

140	140°F HOT WATER	HP	HORSE POWER
140R	140°F HOT WATER RETURN	HT	HEIGHT
AD	AREA DRAIN	INV	INVERT ELEVATION
AFF	ABOVE FINISH FLOOR	LAV	LAVATORY
AFG	ABOVE FINISHED GRADE	LF	LINEAR FOOT
BFP	BACKFLOW PREVENTER	MAX	MAXIMUM
BV	BALANCING VALVE	MC	MECHANICAL CONTRACTOR
BT	BATHTUB	MIN	MINIMUM
CO	CLEAN OUT	MS	MOP SINK
CS	CLINIC SINK	NTS	NOT TO SCALE
CWS	COMBINATION WATER SERVICE	OD	OVERFLOW DRAIN
DCW	DOMESTIC COLD WATER	PC	PLUMBING CONTRACTOR
DD	DECK DRAIN	RD	ROOF DRAIN
DDCV	DOUBLE DETECTOR CHECK VALVE	S	SINK
DF	DRINKING FOUNTAIN	SA	SHOCK ABSORBER
DHW	DOMESTIC HOT WATER	SAN	SANITARY
DHWR	DOMESTIC HOT WATER RETURN	SDL	SPRINKLER DRAIN LINE
DN	DOWN	SE	SEWAGE EJECTOR
DS	DOWNSPOUT	SF	SQUARE FOOT
DWH	DOMESTIC WATER HEATER	SH	SHOWER
EC	ELECTRICAL CONTRACTOR	SP	SUMP PUMP
ET	EXPANSION TANK	SS	SANITARY SEWER
EWC	ELECTRIC WATER COOLER	SSD	SUBSURFACE DRAINAGE
EWH	ELECTRIC WATER HEATER	STM	STORM
FCO	FLOOR CLEANOUT	SUC	SITE UTILITY CONTRACTOR
FD	FLOOR DRAIN	SW	SOFT WATER
FDC	FIRE DEPARTMENT CONNECTION	TD	TRENCH DRAIN
FDV	FIRE DEPARTMENT VALVE	TMV	THERMOSTATIC MIXING VALVE
FOG	FATS / OILS / GREASE	TP	TRAP PRIMER
FR	FIRE RISER	TS	TAMPER SWITCH
FS	FLOW SWITCH	TYP	TYPICAL
FSC	FIRE SUPPRESSION CONTRACTOR	UF	UTILITY FIXTURE
G	GAS (NATURAL)	UG	UNDERGROUND
GC	GENERAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
GCO	GRADE CLEANOUT	UR	URINAL
GPM	GALLONS PER MINUTE	V	VENT
GRD	GRADE	VR	VENT RISER
HB	HOSE BIBB	VTR	VENT THROUGH ROOF
HC	HVAC CONTRACTOR	WC	WATER CLOSET
HCO	HORIZONTAL CLEANOUT	WCO	WALL CLEANOUT
HD	HUB DRAIN	WH	WALL HYDRANT

PLUMBING SYMBOL LEGEND

NOTES:

1. NOT ALL SYMBOLS MAY APPLY.

1	PLAN KEY NOTE	X / XX.X	REFERENCE TAG
XX-X	EQUIPMENT DESIGNATION		
BFP	BACKFLOW PREVENTER		BALANCING VALVE
	BALL VALVE		BUTTERFLY VALVE
	CAP OFF EXISTING		CHECK VALVE
CO	CLEANOUT PLUG	DDCV	DOUBLE DETECTOR CHECK VALVE
	DRY-PIPE VALVE		FIRE ALARM VALVE
	FIRE DEPARTMENT CONNECTION		FIRE PROTECTION CONCEALED SPRINKLER
	FIRE PROTECTION PENDANT SPRINKLER		FIRE PROTECTION SPRINKLER WITH GUARD
	FIRE PROTECTION UPRIGHT SPRINKLER	CO	FLOOR CLEANOUT
	FLOOR DRAIN	FS	FLOW SWITCH
	GAS COCK		GATE VALVE
	MIXING VALVE		PIPING DOWN
	PIPING OUT BOTTOM		PIPING OUT TOP
	PIPING RISE OR DROP		PIPING UP
	PLUG VALVE		POINT OF CONNECTION
	PRE-ACTION VALVE		PRESSURE REDUCING VALVE
	RECIRCULATION PUMP		ROOF / OVERFLOW DRAIN
	SOLENOID VALVE		STRAINER
TS	SUPERVISED GATE VALVE		TEST PLUG
	THERMOMETER		UNION
	UTILITY METER - GAS / WATER		WALL HYDRANT / HOSE BIBB

SPECIAL NOTES:

- THE WORK TO BE PERFORMED ON THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE BUILD AMERICA, BUY AMERICA (BABA) ACT AND SHALL ENSURE THAT ALL IRON, STEEL, MANUFACTURED PRODUCTS, AND CONSTRUCTION MATERIALS USED ARE PRODUCED WITHIN THE UNITED STATES, UNLESS OTHERWISE EXEMPT OR SUBJECT TO AN APPROVED WAIVER.
- DOCUMENTATION SHALL BE MAINTAINED THAT DEMONSTRATES THE FOLLOWING:
  - a. ALL THE IRON, STEEL, MANUFACTURED PRODUCTS, AND CONSTRUCTION MATERIALS USED ARE PRODUCED IN THE UNITED STATES IN ACCORDANCE WITH HUD'S PHASED IMPLEMENTATION WAIVER, OR
  - b. THE PROJECT IS COVERED BY A HUD GENERAL WAIVER AND IS THERFORE EXEMPT FROM THE BUY AMERICA PREFERENCE (BAP), OR
  - c. A PROJECT / PRODUCT SPECIFIC WAIVER WAS REVIEWED BY HUD AND APPROVED BY THE MADE IN AMERICA OFFICE (MIAO).

PLUMBING LINETYPE LEGEND

GW	GW	GREASE WASTE
G	G	GAS
CW	CW	COLD WATER
HW	HW	HOT WATER
FP	FP	FIRE PROTECTION
HWR	HWR	HOT WATER RETURN
SAN	SAN	SANITARY
STM	STM	STORM
OD	OD	OVERFLOW DRAIN
V	V	VENT
		BELOW SLAB

PLUMBING SHEET INDEX

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P001	PLUMBING COVER SHEET
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P102	FOUNDATION ROUGH-IN PLAN - AREA C
P111	FIRST FLOOR SANITARY PLAN - AREA A & B
P112	FIRST FLOOR SANITARY PLAN - AREA C
P121	SECOND FLOOR SANITARY PLAN - AREA A & B
P122	SECOND FLOOR SANITARY PLAN - AREA C
P131	THIRD FLOOR SANITARY PLAN - AREA A & B
P132	THIRD FLOOR SANITAY PLAN - AREA C
P211	FIRST FLOOR WATER & GAS PLAN - AREA A & B
P212	FIRST FLOOR WATER & GAS PLAN - AREA C
P221	SECOND FLOOR WATER & GAS PLAN - AREA A & B
P222	SECOND FLOOR WATER & GAS PLAN - AREA C
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P501	PLUMBING DETAILS
P502	PLUMBING DETAILS
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P702	SANITARY ISOMETRIC

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PLUMBING COVER SHEET

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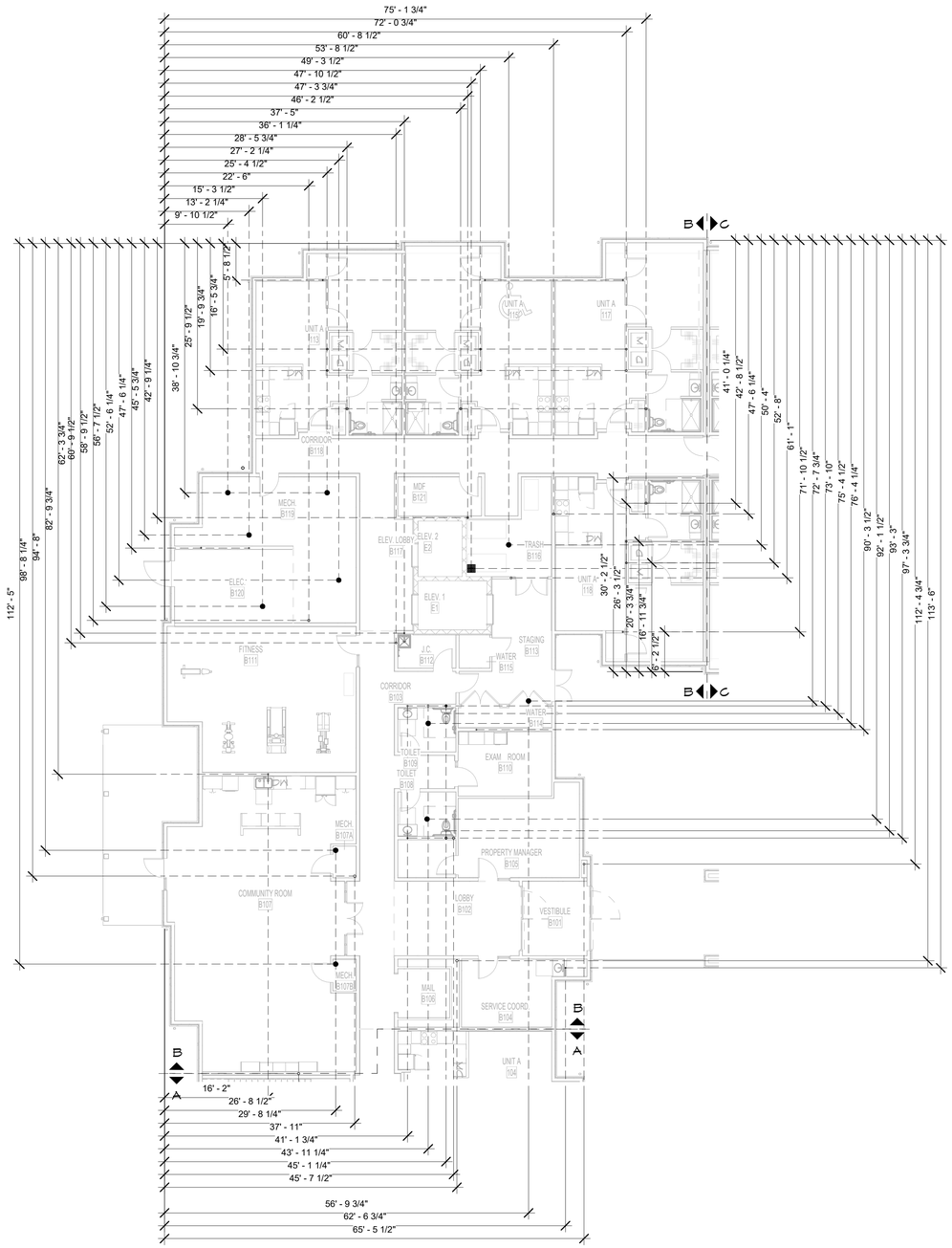
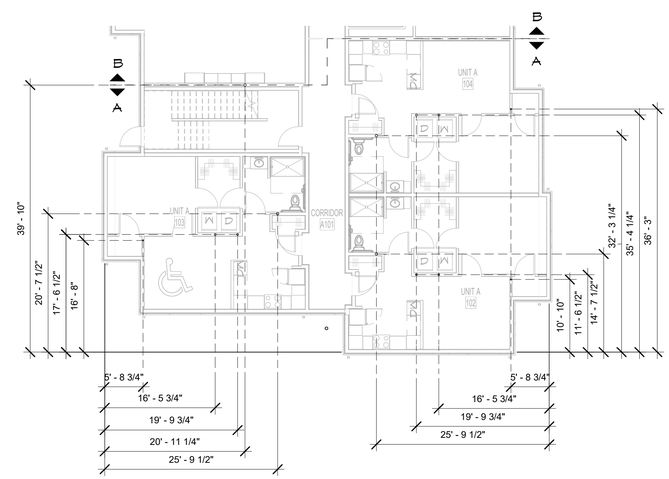


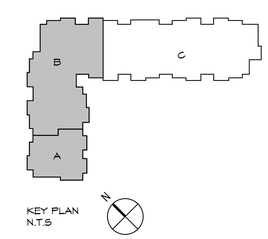
2 FOUNDATION PLAN - AREA B

3/32" = 1'-0"



1 FOUNDATION PLAN - AREA A

3/32" = 1'-0"



KEY PLAN
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FOUNDATION ROUGH-IN PLAN - AREA A & B

P101

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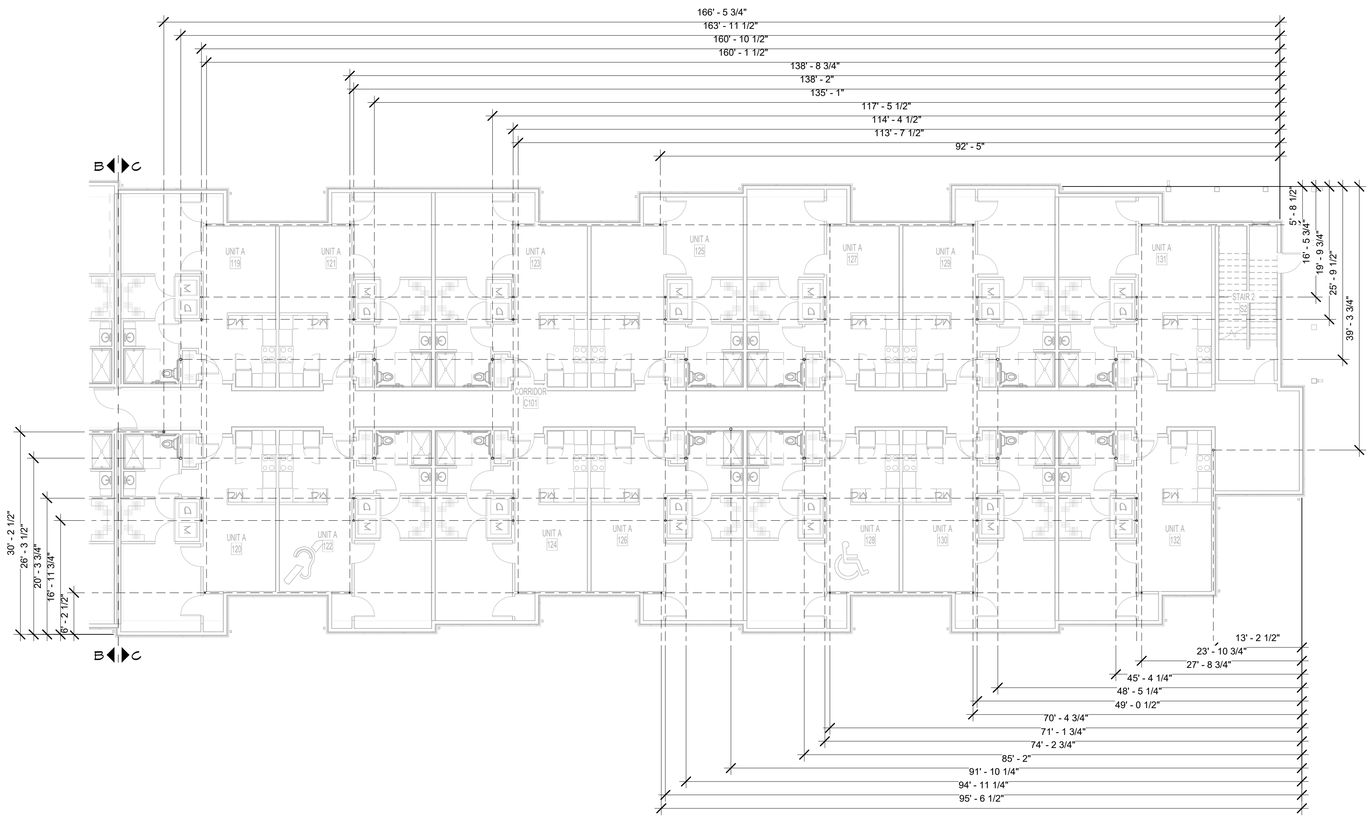
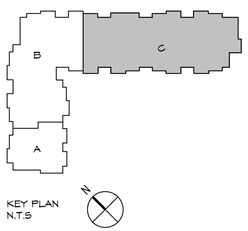


1 FOUNDATION PLAN - AREA C

3/32" = 1'-0"



KEY PLAN
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FOUNDATION ROUGH-IN PLAN - AREA C

P102

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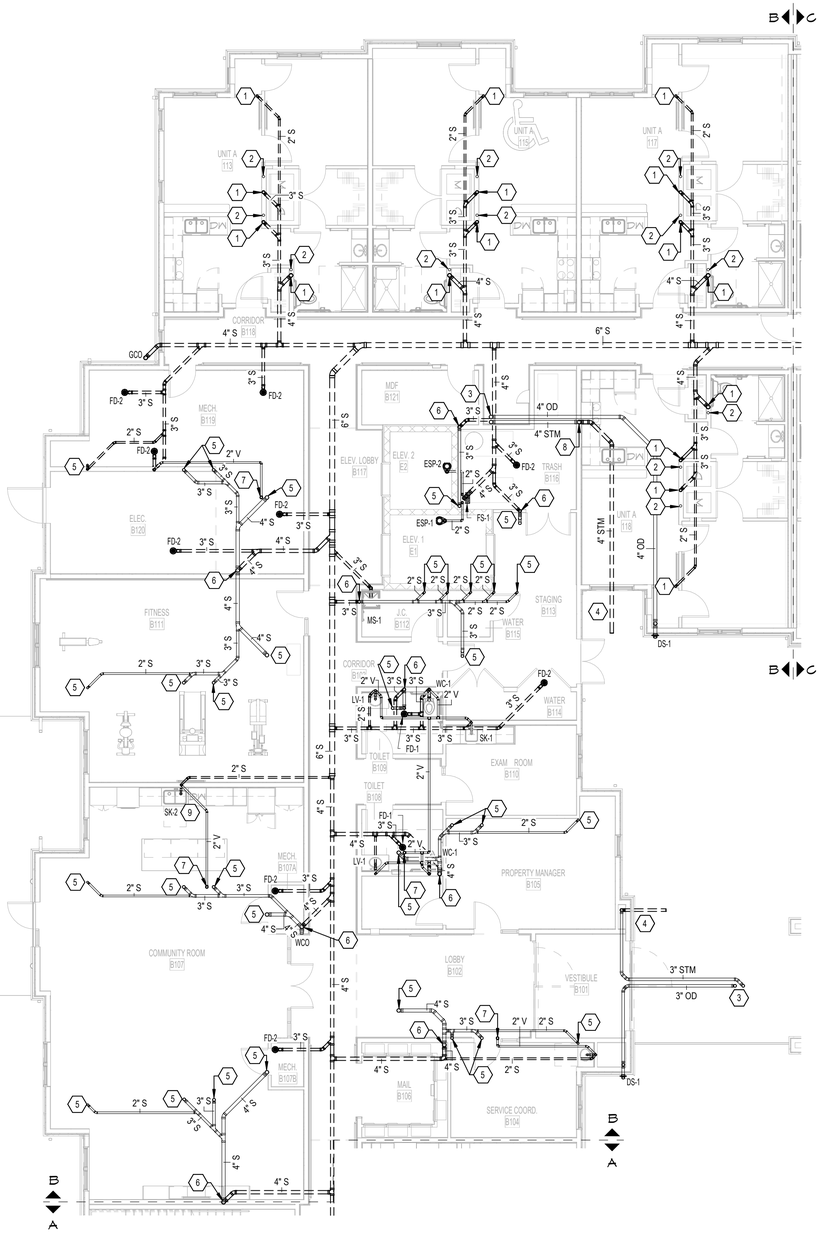
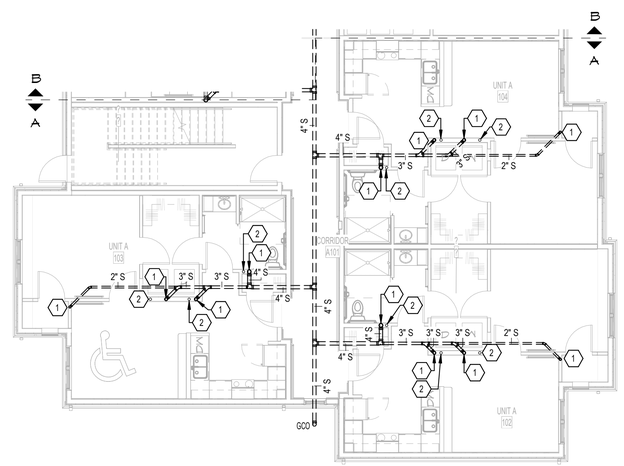
PLUMBING NOTES:

1. SANITARY STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.
2. VENT STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.
3. STORM AND OVERFLOW STACK. REFER TO UPPER FLOORS FOR CONTINUATION.
4. REFER TO CIVIL FOR CONTINUATION.
5. SANITARY DOWN FROM FLOOR ABOVE.
6. SANITARY DOWN TO BELOW SLAB.
7. VENT UP TO FLOOR ABOVE.
8. STORM DOWN TO BELOW SLAB.
9. ROUTE DISCHARGE FROM DISHWASHER TO SINK PER MANUFACTURERS RECOMMENDATIONS.



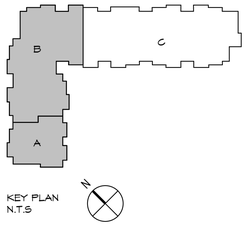
2 FIRST FLOOR SANITARY PLAN - AREA B

1/8" = 1'-0"



1 FIRST FLOOR SANITARY PLAN - AREA A

1/8" = 1'-0"



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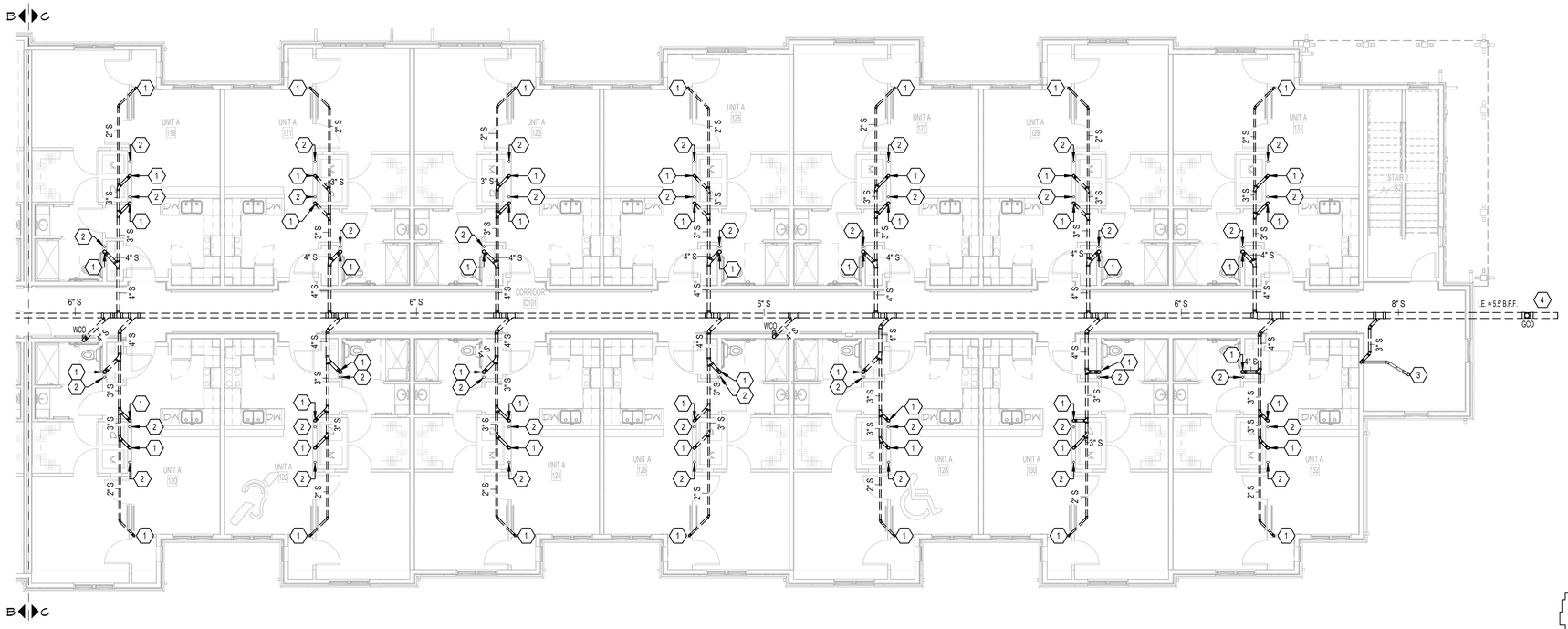
FIRST FLOOR SANITARY PLAN - AREA A & B

P111

1/14/2026 3:32:27 PM

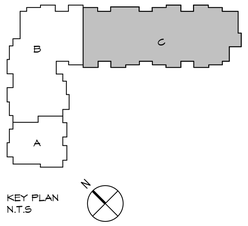
PLUMBING NOTES:

1. SANITARY STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.
2. VENT STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.
3. SANITARY DOWN FROM FLOOR ABOVE.
4. REFER TO CIVIL FOR CONTINUATION.



1 FIRST FLOOR SANITARY PLAN - AREA C

1/8" = 1'-0"



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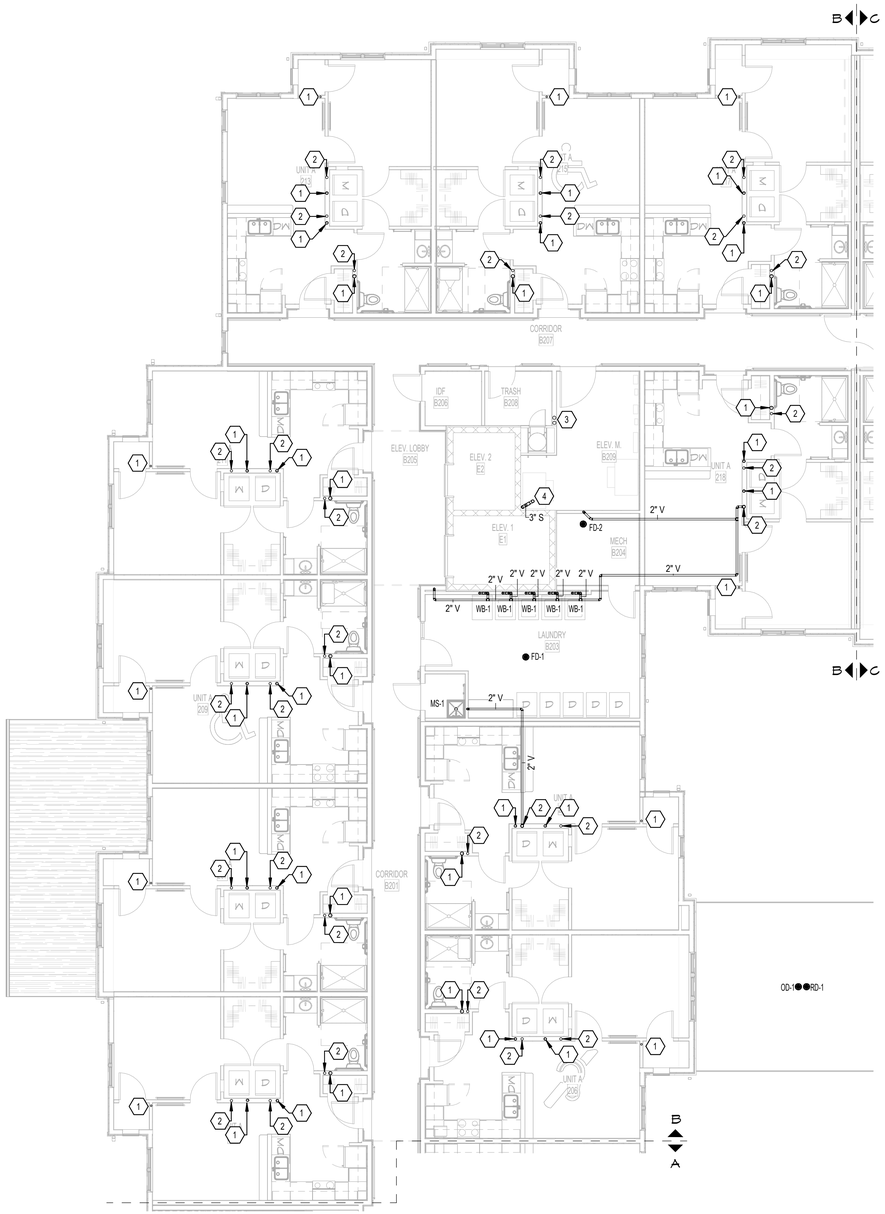
FIRST FLOOR SANITARY PLAN - AREA C

P112

1/14/2026 3:52:24 PM

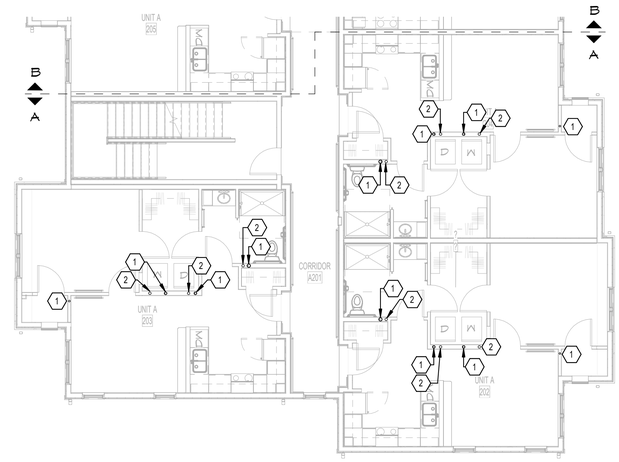
PLUMBING NOTES:

1. SANITARY STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.
2. VENT STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.
3. STORM AND OVERFLOW STACK. REFER TO UPPER AND LOWER FLOORS FOR CONTINUATION.
4. SANITARY DOWN FROM FLOOR ABOVE.



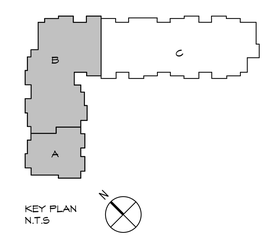
2 SECOND FLOOR SANITARY PLAN - AREA B

1/8" = 1'-0"



1 SECOND FLOOR SANITARY PLAN - AREA A

1/8" = 1'-0"



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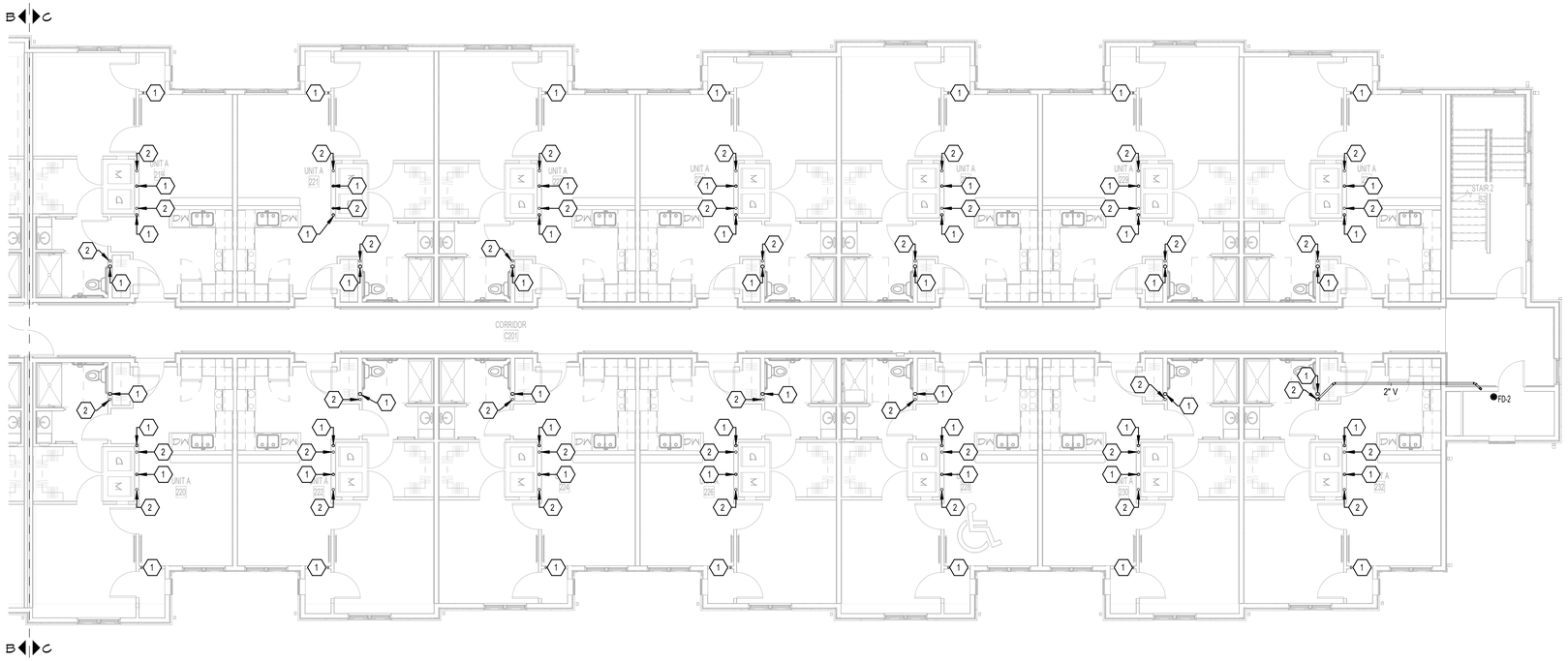
SECOND FLOOR SANITARY PLAN - AREA A & B

P121

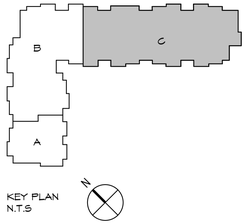
1/14/2026 3:32:39 PM

PLUMBING NOTES:

1. SANITARY STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.
2. VENT STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.



1 SECOND FLOOR SANITARY PLAN - AREA C
1/8" = 1'-0"



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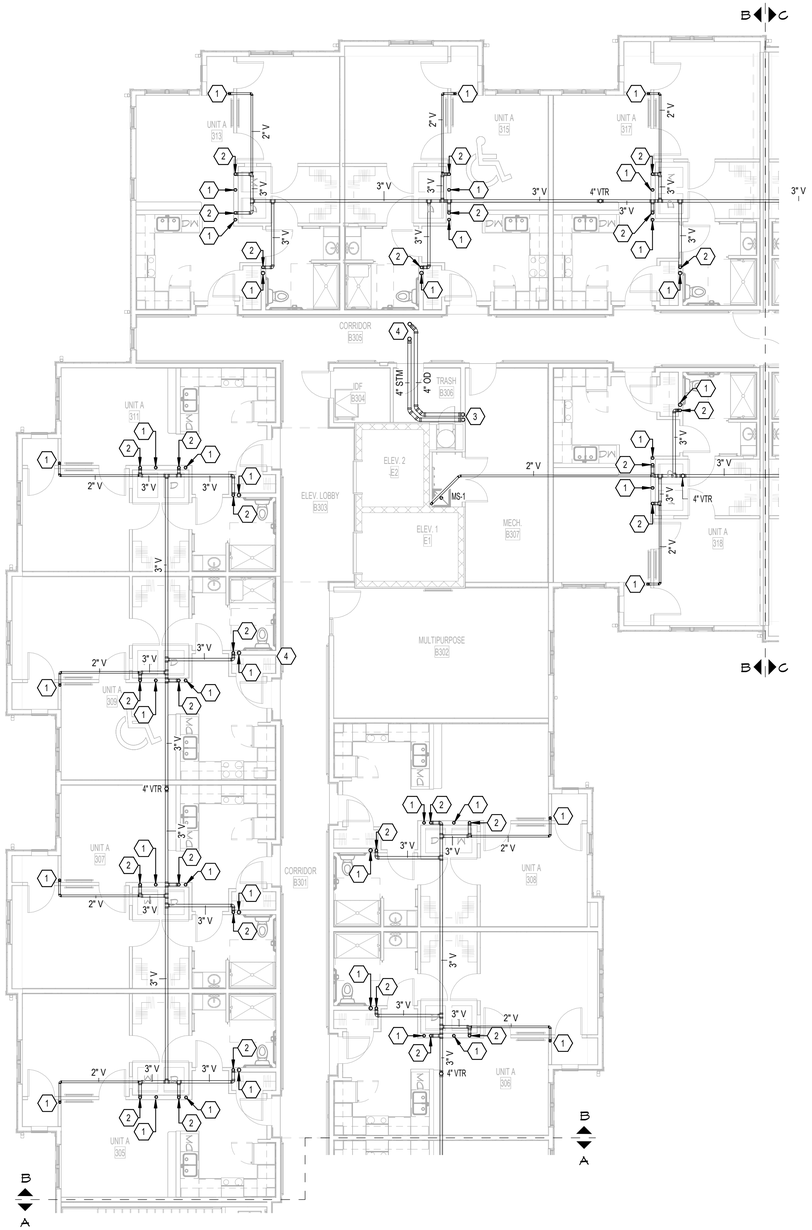
SECOND FLOOR SANITARY PLAN - AREA C

P122

1/14/2026 9:32:35 PM

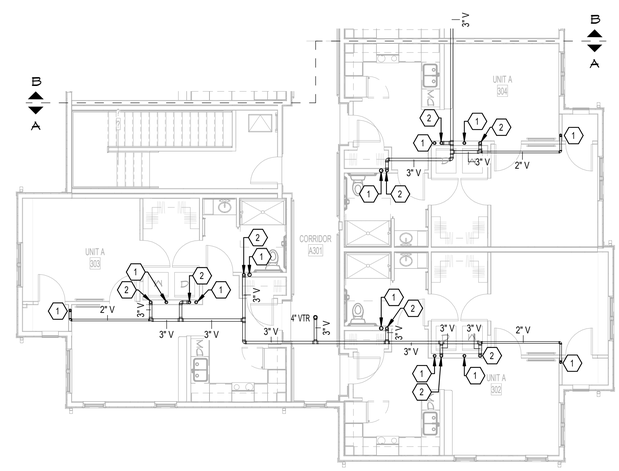
PLUMBING NOTES:

1. SANITARY STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.
2. VENT STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.
3. STORM AND OVERFLOW STACK. REFER TO LOWER FLOORS FOR CONTINUATION.
4. STORM AND OVERFLOW DOWN FROM DRAIN ABOVE.



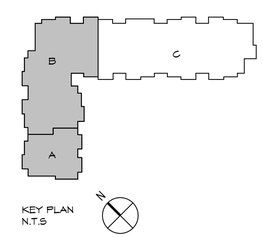
2 THIRD FLOOR SANITARY PLAN - AREA B

1/8" = 1'-0"



1 THIRD FLOOR SANITARY PLAN - AREA A

1/8" = 1'-0"



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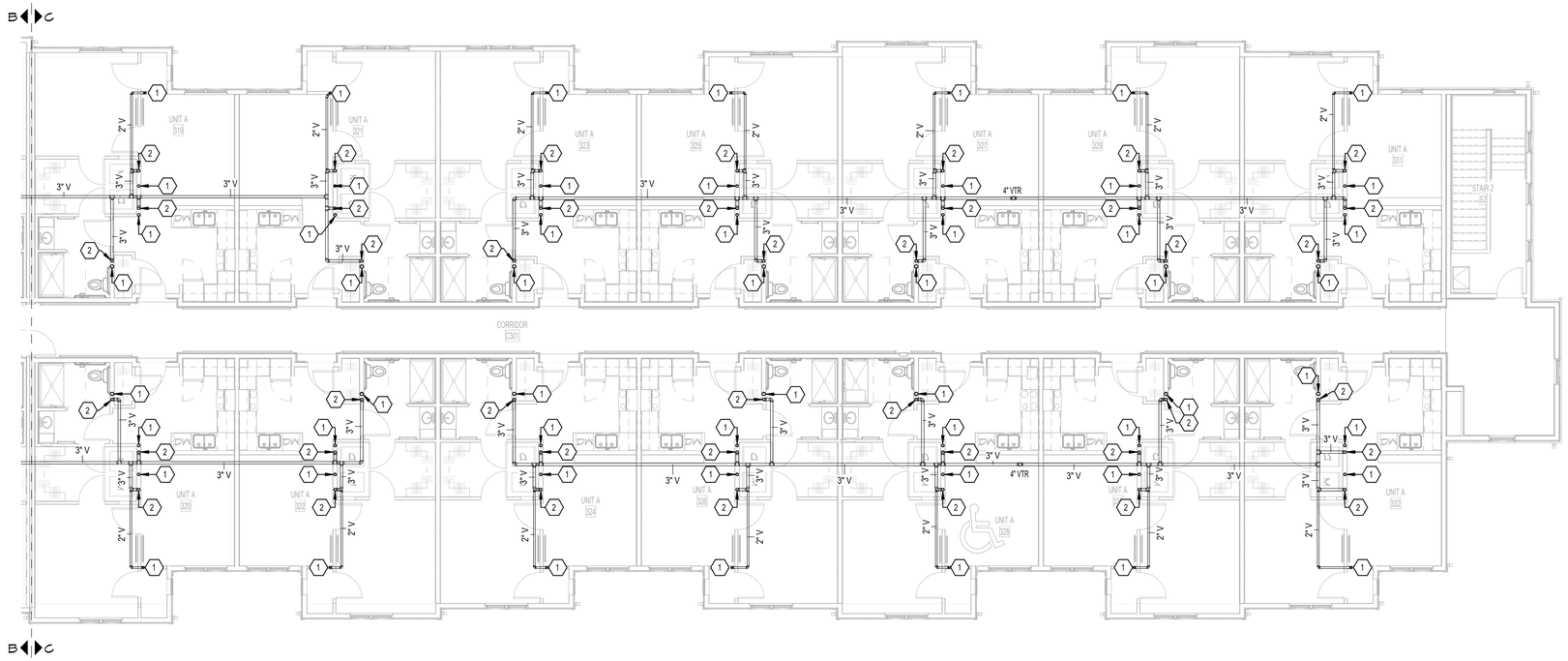
THIRD FLOOR SANITARY PLAN - AREA A & B

P131

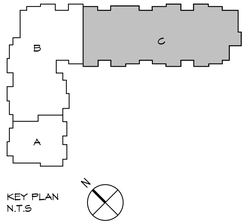
1/14/2026 3:52:34 PM

PLUMBING NOTES:

1. SANITARY STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.
2. VENT STACK. REFER TO TYPICAL UNIT PLANS AND ISOMETRICS FOR MORE INFORMATION.



1 THIRD FLOOR SANITARY PLAN - AREA C
1/8" = 1'-0"



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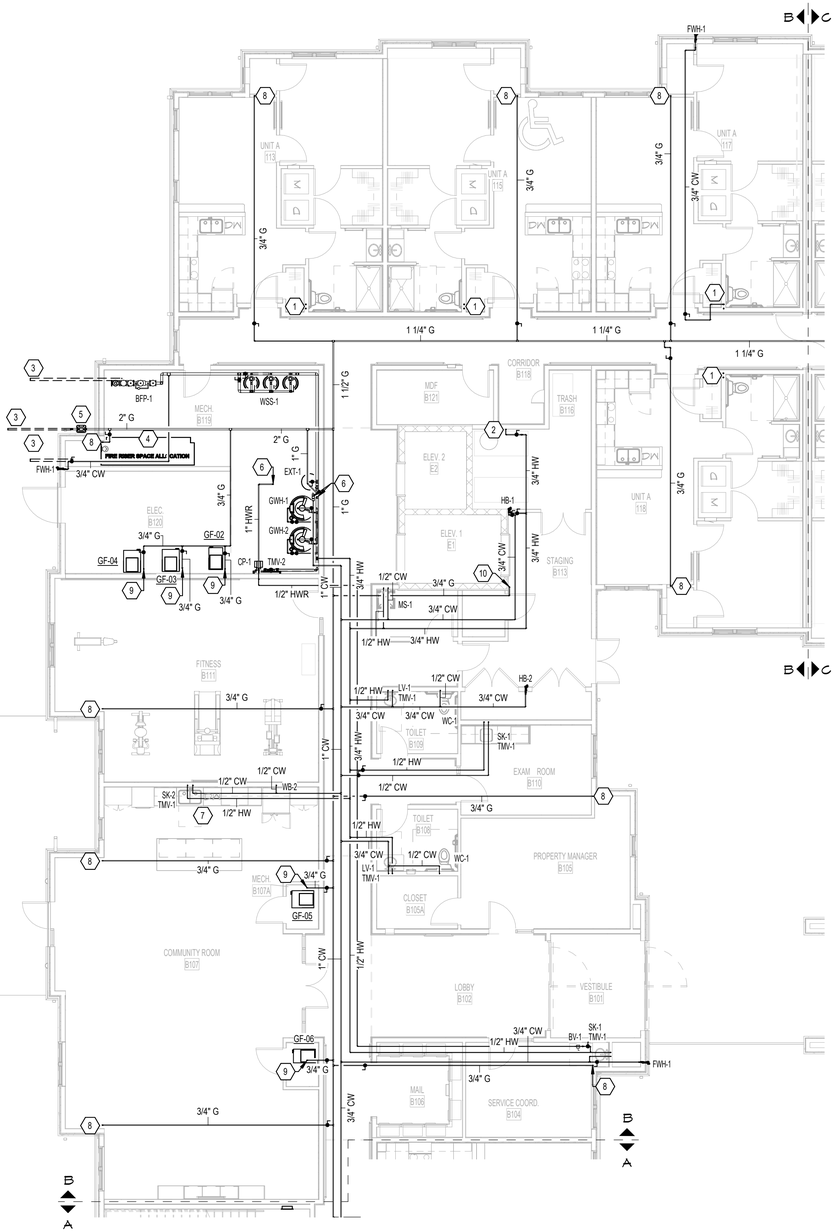
THIRD FLOOR SANITAY PLAN - AREA C

P132

1/14/2026 9:32:42 PM

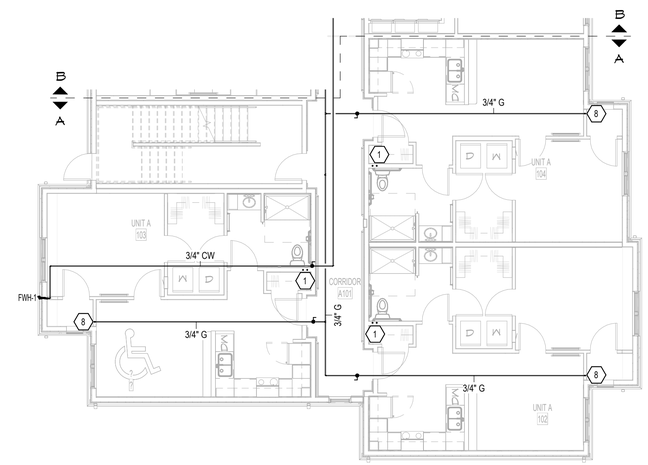
PLUMBING NOTES:

1. HOT AND COLD RISER. REFER TO TYPICAL UNIT PLANS AND WATER DIAGRAMS FOR MORE INFORMATION.
2. HOT WATER CONNECTION TO TRASH CHUTE SANITATION SYSTEM. CHUTE CONTROL VALVE SHALL BE LOCATED IN THIS ROOM. COORDINATE WITH OTHERS FOR EXACT SIZE, LOCATION AND CONNECTION OF CHUTE SANITATION SYSTEM.
3. REFER TO CIVIL FOR CONTINUATION.
4. FIRE SUPPRESSION SYSTEM DESIGNED BY OTHERS. SHOWN FOR REFERENCE ONLY.
5. PROVIDE GAS METER PER LOCAL GAS COMPANY REQUIREMENTS.
6. HOT, COLD AND HOT WATER RETURN PIPING UP TO FLOOR ABOVE.
7. ROUTE SUPPLY TO DISHWASHER FROM SINK.
8. GAS RISER. REFER TO TYPICAL UNIT PLANS AND WATER DIAGRAMS FOR MORE INFORMATION.
9. PROVIDE SHUTOFF VALVE, GAS COCK, DIRT LEG AND PRESSURE REGULATOR AT CONNECTION. PRESSURE REGULATOR SHALL BE VENTED TO THE OUTDOORS.
10. GAS PIPING UP TO FLOOR ABOVE.



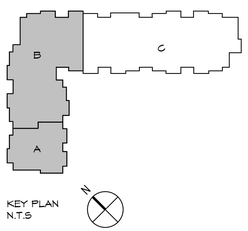
2 FIRST FLOOR WATER & GAS PLAN - AREA B

1/8" = 1'-0"



1 FIRST FLOOR WATER & GAS PLAN - AREA A

1/8" = 1'-0"



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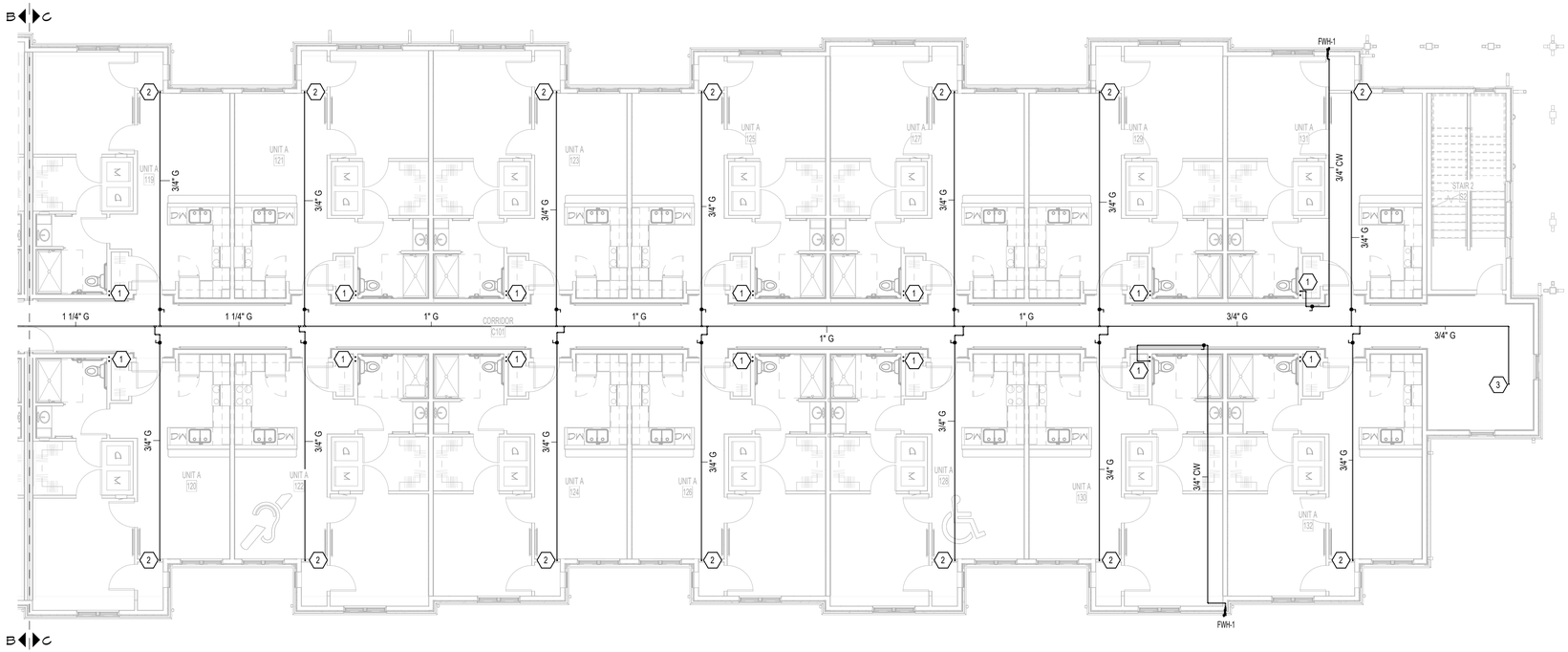
FIRST FLOOR WATER & GAS PLAN - AREA A & B

P211

1/14/2026 9:52:45 PM

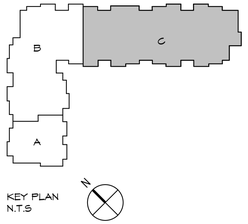
PLUMBING NOTES:

1. HOT AND COLD RISER. REFER TO TYPICAL UNIT PLANS AND WATER DIAGRAMS FOR MORE INFORMATION.
2. GAS RISER. REFER TO TYPICAL UNIT PLANS AND GAS DIAGRAMS FOR MORE INFORMATION.
3. GAS UP TO FLOOR ABOVE.



1 FIRST FLOOR WATER & GAS PLAN - AREA C

1/8" = 1'-0"



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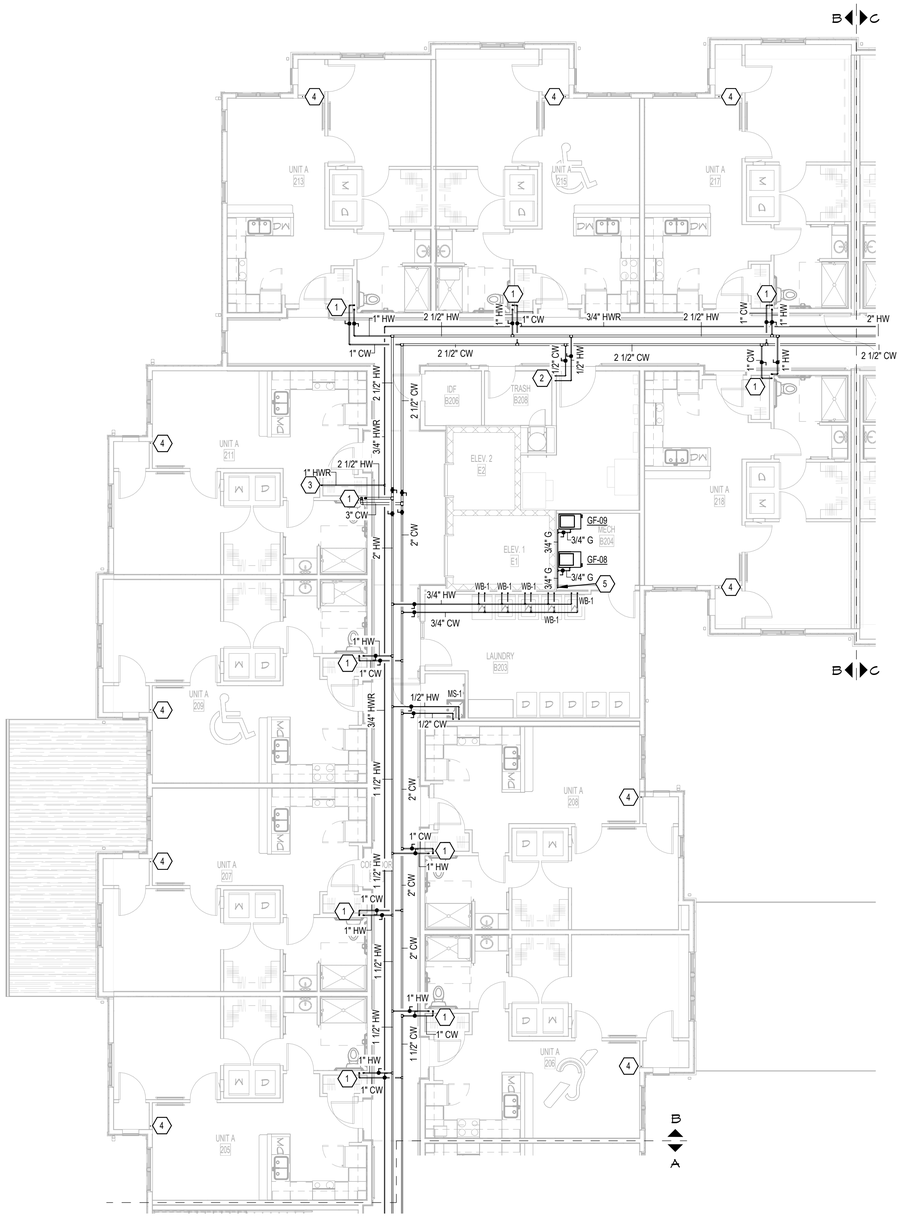
FIRST FLOOR WATER & GAS PLAN - AREA C

P212

1/14/2026 9:32:47 PM

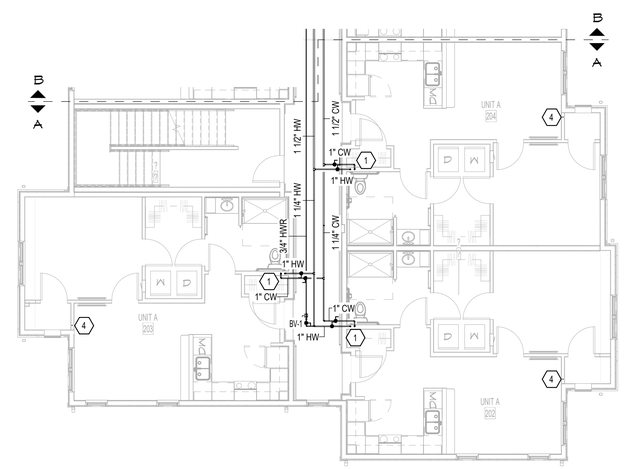
PLUMBING NOTES:

1. HOT AND COLD RISER. REFER TO TYPICAL UNIT PLANS AND WATER DIAGRAMS FOR MORE INFORMATION.
2. HOT AND COLD WATER UP TO FLOOR ABOVE.
3. HOT WATER RETURN DOWN TO FLOOR BELOW.
4. GAS RISER. REFER TO TYPICAL UNIT PLANS AND GAS DIAGRAMS FOR MORE INFORMATION.
5. GAS DOWN TO FLOOR BELOW AND UP TO FLOOR ABOVE.



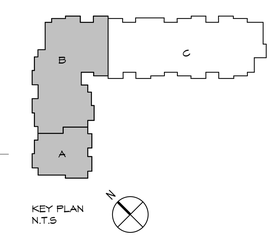
2 SECOND FLOOR WATER & GAS PLAN - AREA B

1/8" = 1'-0"



1 SECOND FLOOR WATER & GAS PLAN - AREA A

1/8" = 1'-0"



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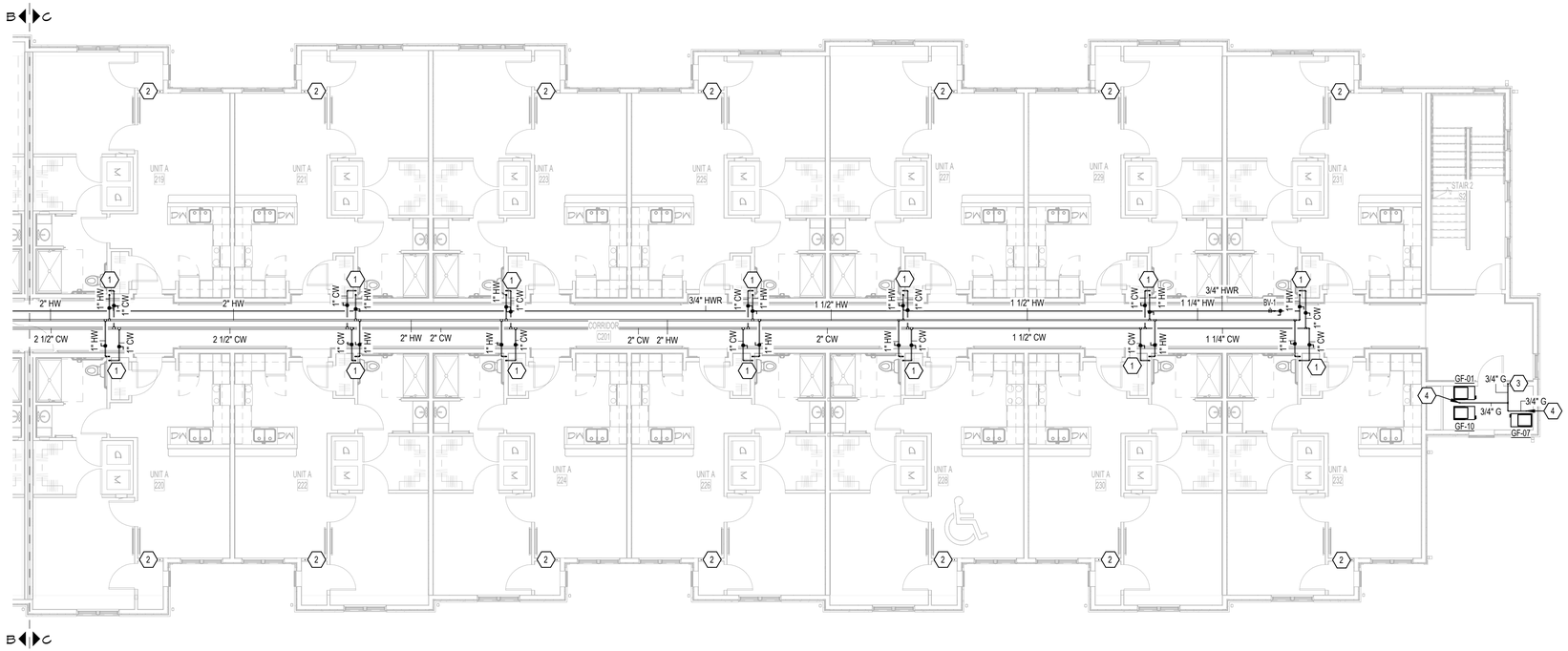
SECOND FLOOR WATER & GAS PLAN - AREA A & B

P221

1/14/2026 3:32:50 PM

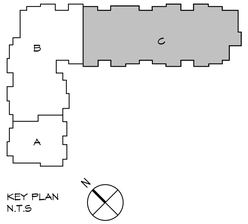
PLUMBING NOTES:

1. HOT AND COLD RISER. REFER TO TYPICAL UNIT PLANS AND WATER DIAGRAMS FOR MORE INFORMATION.
2. GAS RISER. REFER TO TYPICAL UNIT PLANS AND GAS DIAGRAMS FOR MORE INFORMATION.
3. GAS UP FROM FLOOR BELOW.
4. PROVIDE SHUTOFF VALVE, GAS COCK, DIRT LEG AND PRESSURE REGULATOR AT CONNECTION. PRESSURE REGULATOR SHALL BE VENTED TO THE OUTDOORS.



1 SECOND FLOOR WATER & GAS PLAN - AREA C

1/8" = 1'-0"



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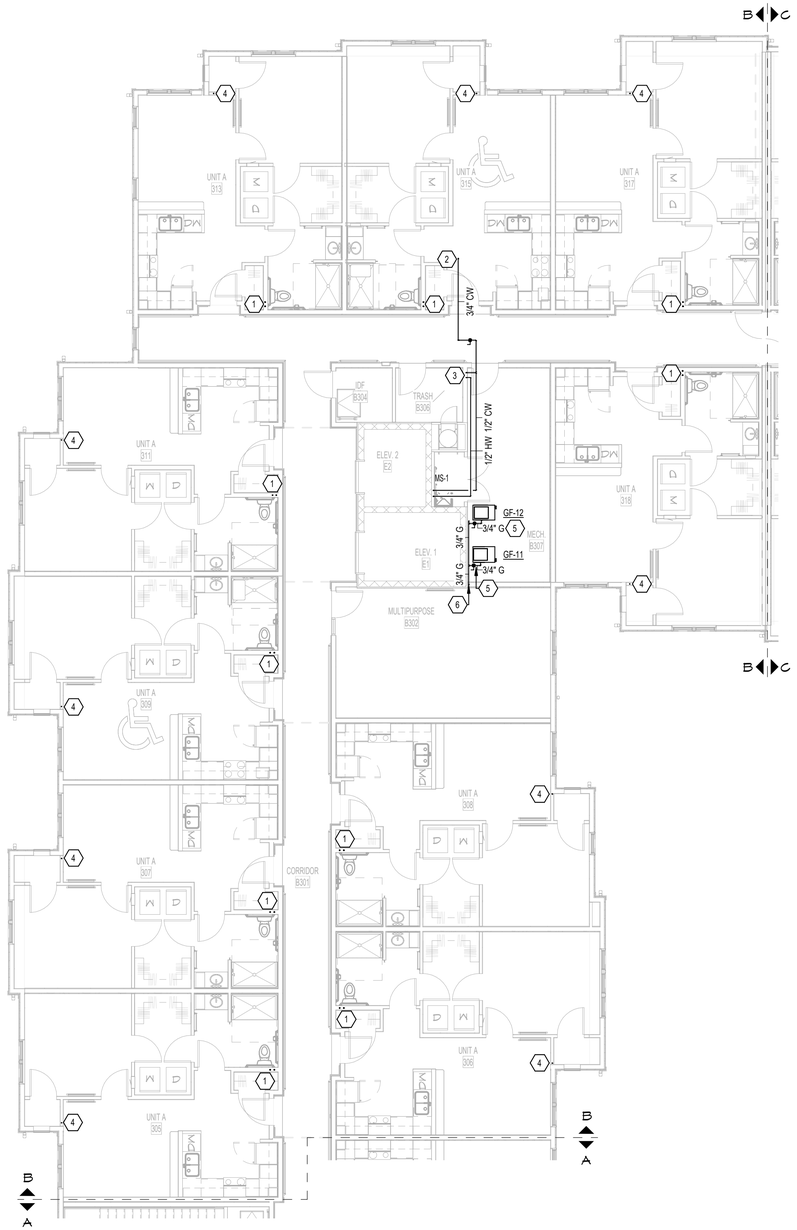
SECOND FLOOR WATER & GAS PLAN - AREA C

P222

1/14/2026 9:32:52 PM

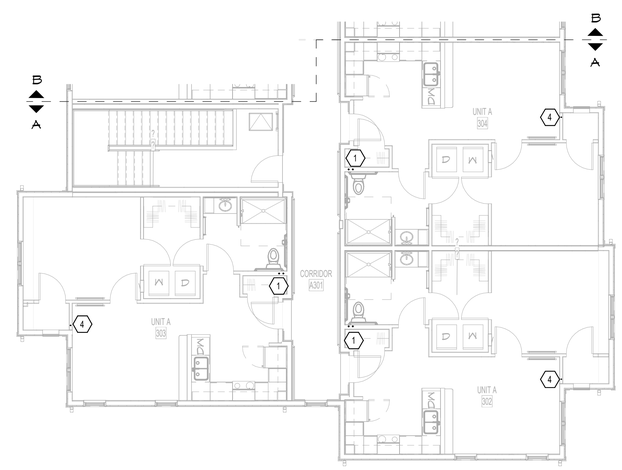
PLUMBING NOTES:

1. HOT AND COLD RISER. REFER TO TYPICAL UNIT PLANS AND WATER DIAGRAMS FOR MORE INFORMATION.
2. WATER UP TO HYDRANT ON ROOF.
3. WATER DOWN TO FLOOR BELOW.
4. GAS RISER. REFER TO TYPICAL UNIT PLANS AND GAS DIAGRAMS FOR MORE INFORMATION.
5. PROVIDE SHUTOFF VALVE, GAS COCK, DIRT LEG AND PRESSURE REGULATOR AT CONNECTION. PRESSURE REGULATOR SHALL BE VENTED TO THE OUTDOORS.
6. GAS UP FROM FLOOR BELOW.



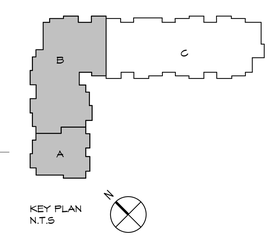
2 THIRD FLOOR WATER & GAS PLAN - AREA B

1/8" = 1'-0"



1 THIRD FLOOR WATER & GAS PLAN - AREA A

1/8" = 1'-0"



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1038 Salem Avenue Dayton, Ohio 45406

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2245 North Bank Drive
Columbus, Ohio 43220

NO.	DATE	REVISION

JOB NO. : PES 25222

PHASE : CONSTRUCTION DOCUMENTS

ISSUED FOR : 80% OWNER REVIEW

DATE : 01/07/26

THIRD FLOOR WATER & GAS PLAN - AREA A & B

P231

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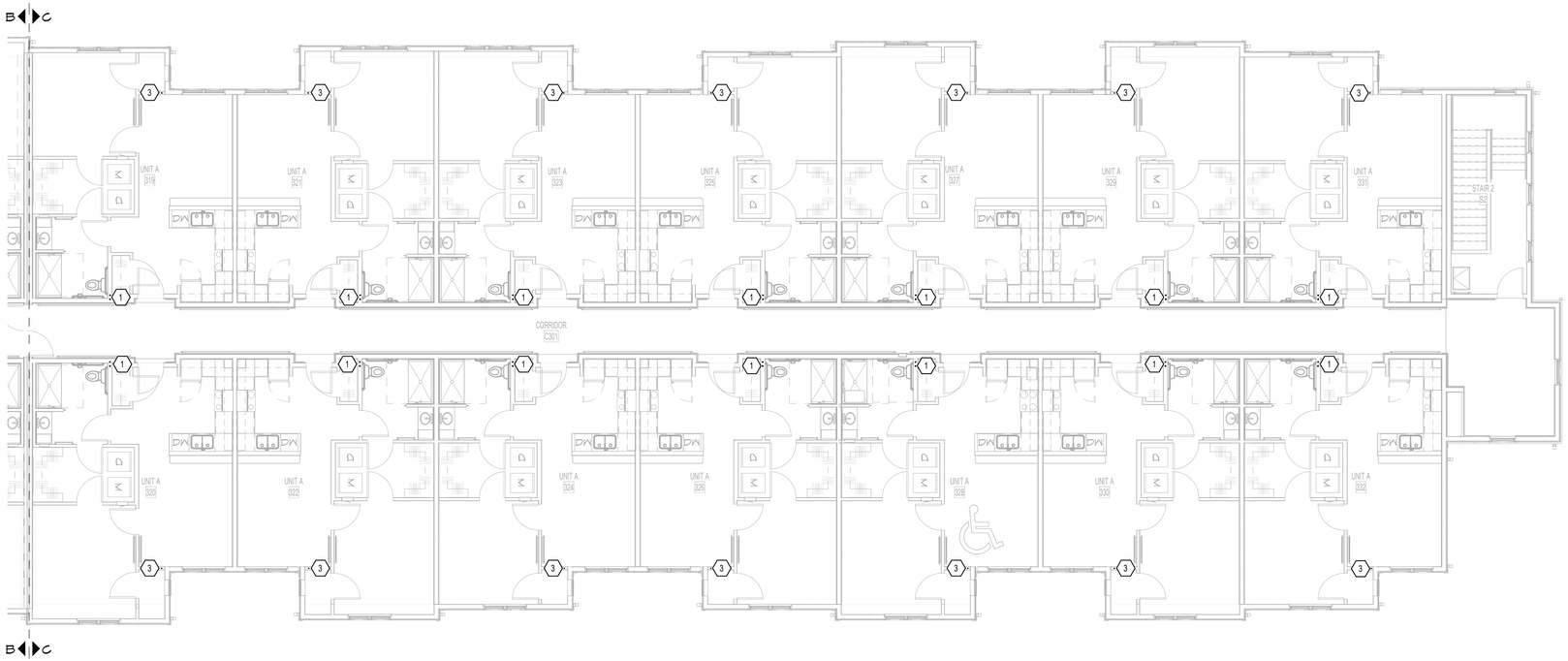
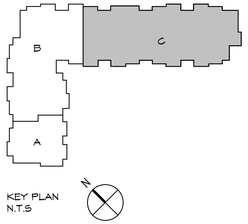
PLUMBING NOTES:

1. HOT AND COLD RISER. REFER TO TYPICAL UNIT PLANS AND WATER DIAGRAMS FOR MORE INFORMATION.
2. WATER UP TO HYDRANT ON ROOF.
3. GAS RISER. REFER TO TYPICAL UNIT PLANS AND GAS DIAGRAMS FOR MORE INFORMATION.



1 THIRD FLOOR WATER & GAS PLAN - AREA C

1/8" = 1'-0"



KEY PLAN
N.T.S

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THIRD FLOOR WATER & GAS PLAN - AREA C

P232

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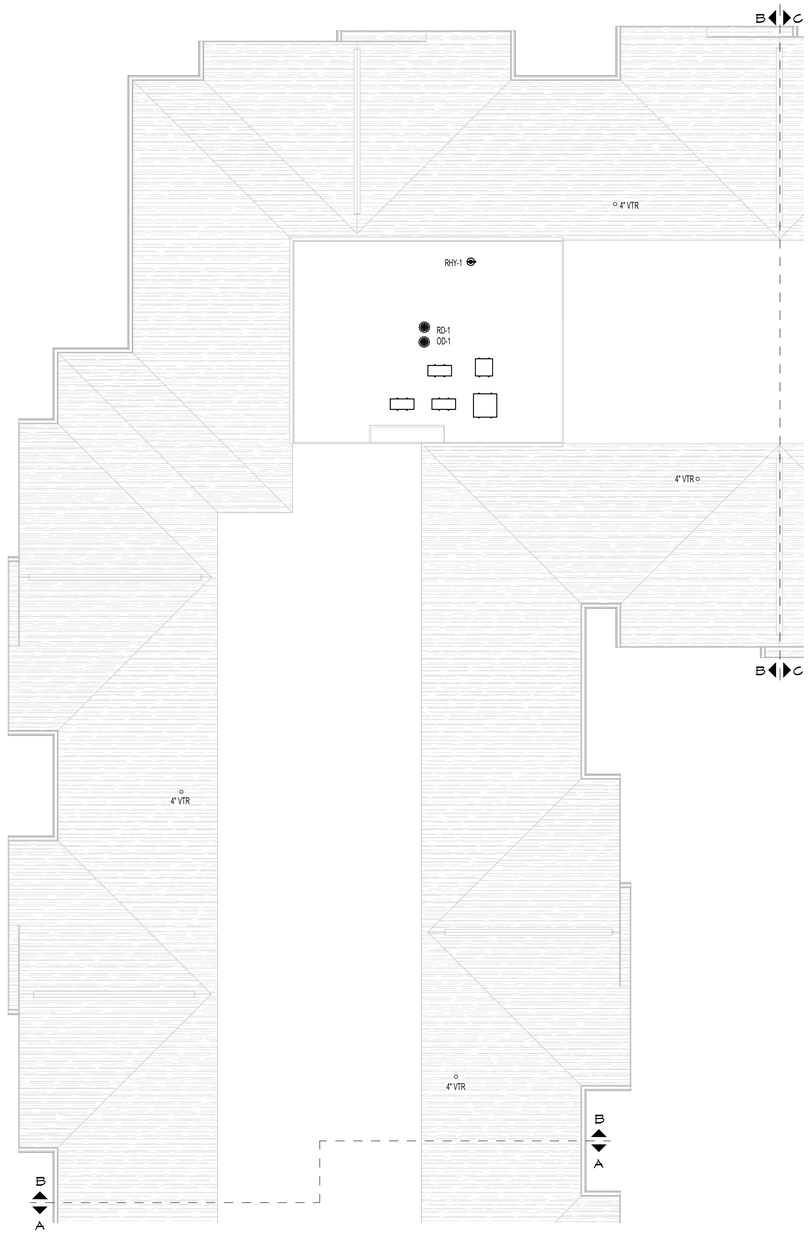
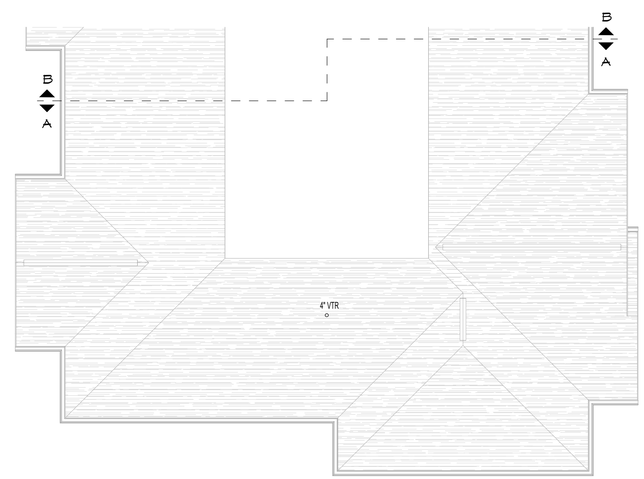


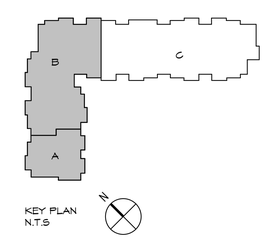
2 PLUMBING ROOF PLAN - AREA B

1/8" = 1'-0"



1 PLUMBING ROOF PLAN - AREA A

1/8" = 1'-0"



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ROOF PLUMBING PLAN - AREA A & B

P311

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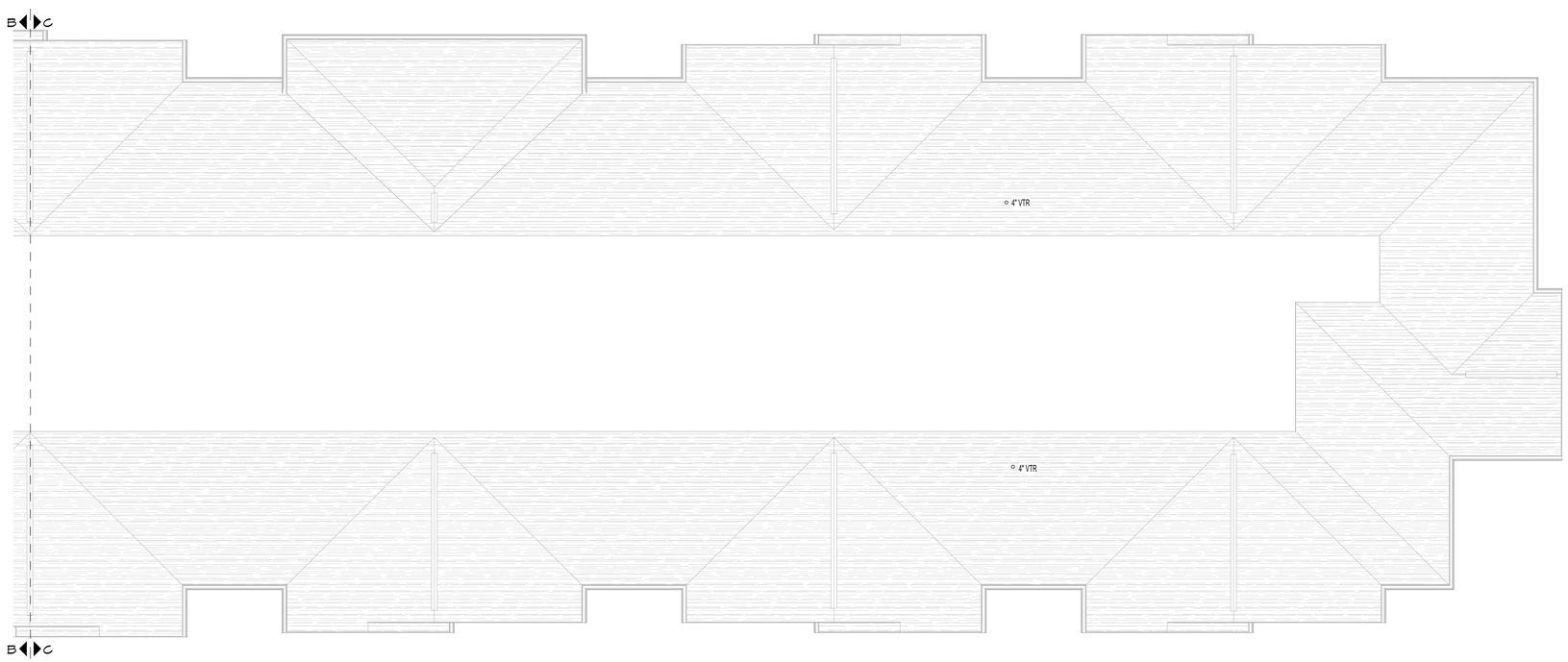
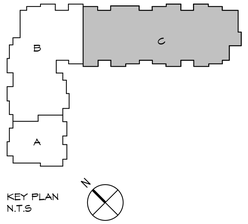


1 PLUMBING ROOF PLAN - AREA C

1/8" = 1'-0"



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ROOF PLUMBING PLAN - AREA C

P312

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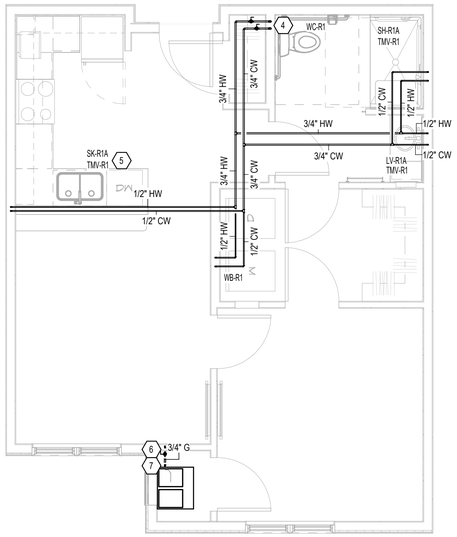
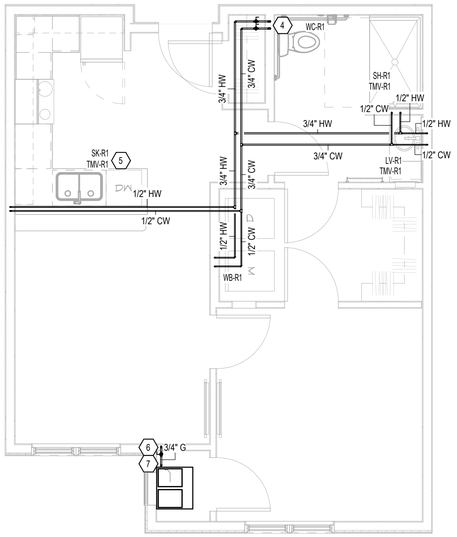
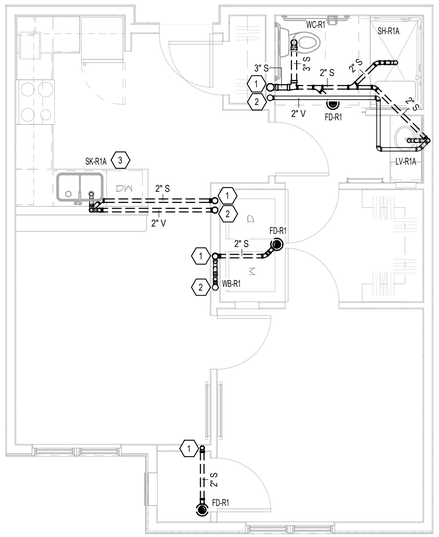


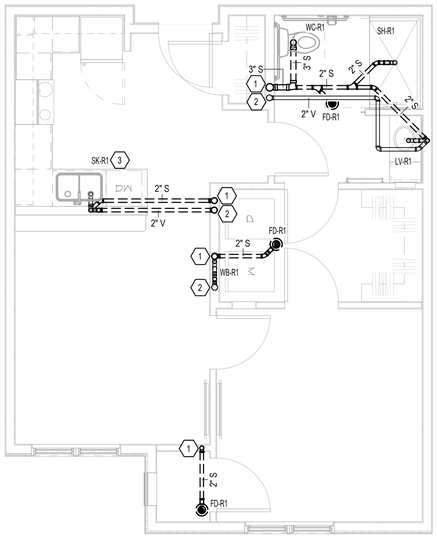
4 TYPICAL UNIT A (ADA) WATER UNIT PLAN
1/4" = 1'-0"



3 TYPICAL UNIT A WATER UNIT PLAN
1/4" = 1'-0"



2 TYPICAL UNIT A (ADA) SANITARY & VENT UNIT PLAN
1/4" = 1'-0"



1 TYPICAL UNIT A SANITARY & VENT UNIT PLAN
1/4" = 1'-0"

PLUMBING NOTES:

1. SANITARY STACK. REFER TO OVERALL PLANS AND SANITARY ISOMETRICS FOR MORE INFORMATION.
2. VENT STACK. REFER TO OVERALL PLANS AND SANITARY ISOMETRICS FOR MORE INFORMATION.
3. ROUTE DISCHARGE FROM DISHWASHER TO SINK PER MANUFACTURER'S RECOMMENDATIONS.
4. WATER RISER. REFER TO OVERALL PLANS AND WATER DIAGRAMS FOR MORE INFORMATION.
5. ROUTE SUPPLY TO DISHWASHER FROM SINK PER MANUFACTURER'S RECOMMENDATIONS.
6. GAS RISER. REFER TO OVERALL PLANS AND GAS DIAGRAMS FOR MORE INFORMATION.
7. PROVIDE SHUTOFF VALVE, GAS COCK, DIRT LEG AND PRESSURE REGULATOR AT CONNECTION OF FURNACE. REGULATOR SHALL BE VENTED TO THE OUTDOORS.

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TYPICAL PLUMBING PLANS

P411

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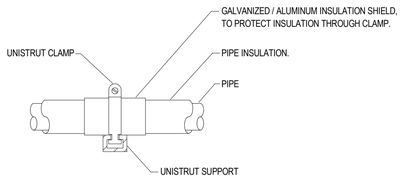
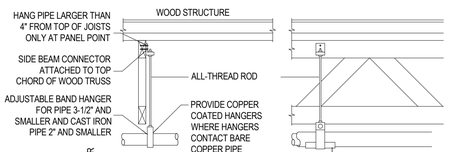




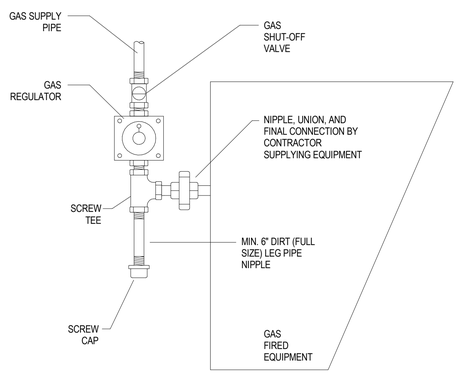
PIPE SIZE	COPPER TUBING HANGER SPACING	CPVC PIPE/TUBING HANGER SPACING	PVC PIPE HANGER SPACING	STEEL PIPE HANGER SPACING
1/2"	6'	3'	4'	12'
3/4"	6'	3'	4'	12'
1"	6'	3'	4'	12'
1-1/4"	6'	4'	4'	12'
1-1/2"	10'	4'	4'	12'
2"	10'	4'	4'	12'
2-1/2"	10'	4'	4'	12'
3"	10'	4'	4'	12'
4"	10'	4'	4'	12'

PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. SLOPE ALL WATER PIPING SLIGHTLY TOWARD DRAINABLE LOCATIONS. HANGER SPACING FOR PIPE SIZES: AS INDICATED IN TABLE. CAST IRON: 5' (10' WHERE 10' LENGTHS OF PIPE ARE INSTALLED) AND WITHIN 12" OF ALL JOINTS.

ROD SIZES FOR PIPE SIZE: 2" AND SMALLER=3/8", 2 1/2" TO 3"=1/2", 4"=5/8". LOCATE HANGERS WITHIN 1'-0" OF VALVES AND FITTINGS. PROVIDE SUPPLEMENTAL STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS WITHIN 1'-0" OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. CHAINS AND PERFORATED STRAP IRON AND STEEL ARE NOT ACCEPTABLE. DO NOT SUSPEND PIPE FROM JOIST BRACING MEMBERS. REFER TO CODES AND SPECIFICATIONS FOR FURTHER INFORMATION. PROVIDE SEISMIC BRACING IF/AS REQUIRED BY LOCAL AUTHORITIES.

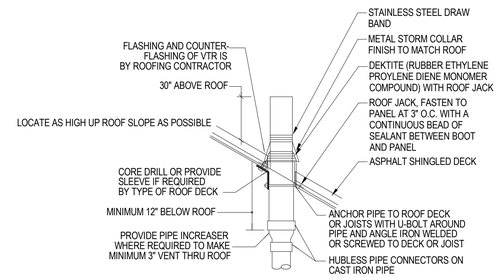
8 PIPE HANGER DETAIL

NTS



7 GAS CONNECTION DETAIL

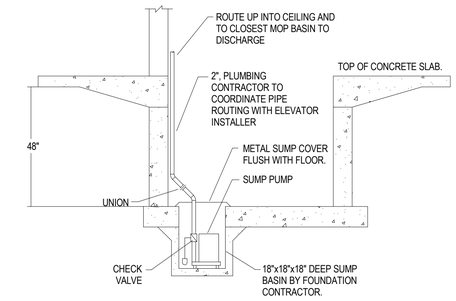
NTS



REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

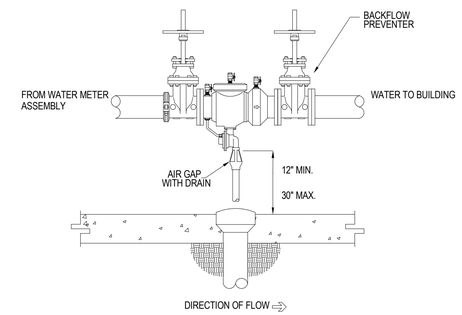
6 VENT THROUGH ROOF DETAIL

NTS



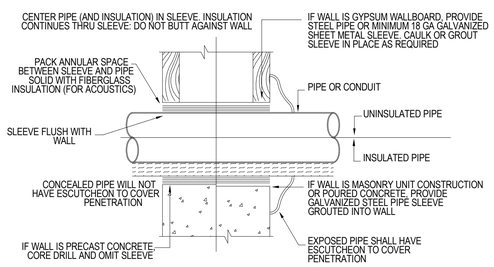
9 ELEVATOR SUMP PUMP DETAIL

NTS



5 BACKFLOW PREVENTER DETAIL

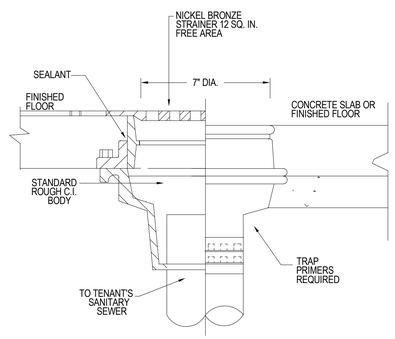
NTS



REFER TO ARCHITECTURAL DRAWINGS FOR WALL LOCATIONS. REFER TO SPECIFICATIONS FOR ALTERNATIVE INSTALLATIONS.

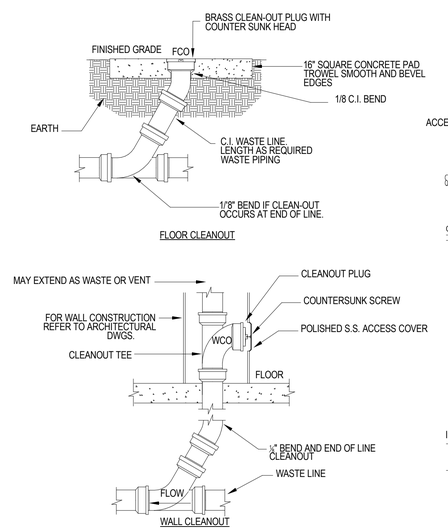
4 NON-RATED PENTRATION DETAIL

NTS



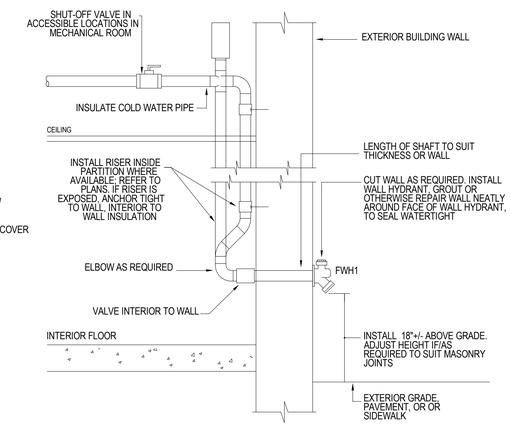
3 FLOOR DRAIN DETAIL

NTS



2 CLEANOUT DETAILS

NTS



1 FREEZEPROOF WALL HYDRANT

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PLUMBING DETAILS

P501

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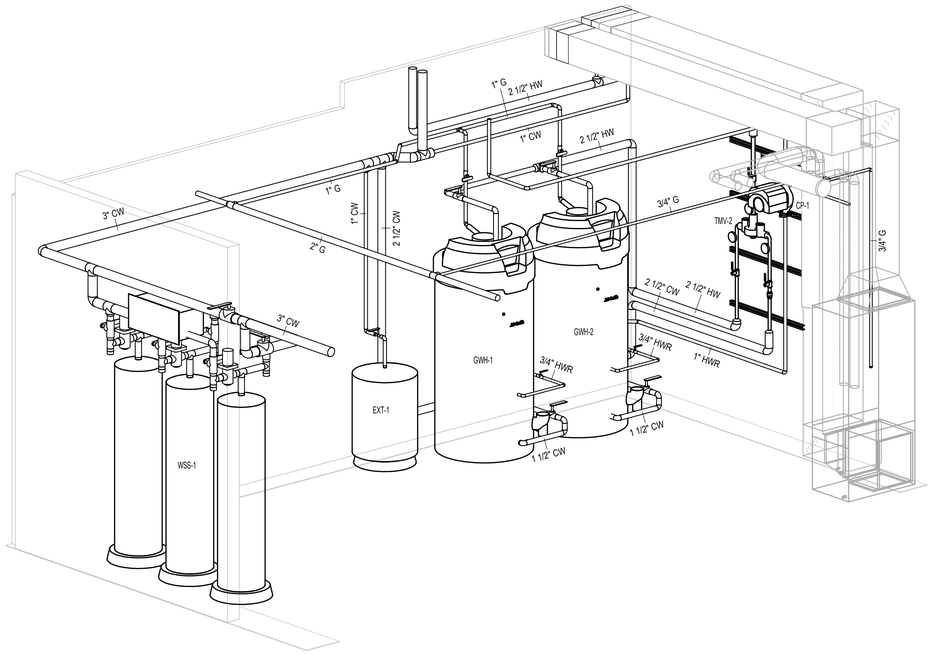

1 WATER ROOM ISOMETRIC

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PLUMBING DETAILS

P502

1/14/2026 9:32:54 PM

SPECIALTIES SCHEDULE

TAG	FIXTURE	DESCRIPTION	PIPING CONNECTIONS		FLOW GPM	LOCATION	REFERENCE PRODUCT
			INLET	OUTLET			
EXT-1	EXPANSION TANK 10.3 GALLON	FABRICATED STEEL SHELL, DIAPHRAGM BLADDER, MAXIMUM WORKING PRESSURE IS 150 PSIG, MAXIMUM ALLOWABLE WORKING TEMPERATURE IS 200 F MAX	3/4"	-			AMTROL ST-25V
WSS-1	WATER SOFTENING SYSTEM	CHEMICAL-FREE SCALE PREVENTION AND PROTECTION, NO CONTROL VALVE, THREE UNIT SYSTEM	3"	3"	75 ea	MECH ROOM	WATTS ONEFLOW SYSTEM OF1665-75, M7100662, O.C.# 68105650

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	DESCRIPTION	FAUCETS/ FITTINGS	TRIM	ACCESSORIES	REFERENCE PRODUCT
DS-1	DOWNSPOUT NOZZLE	NICKEL BRONZE BODY, OPTIONAL THREADED OR NO-HUB INLET AND DECORATIVE FACE OF WALL FLANGE AND OUTLET NOZZLE				ZURN Z199
FCO	FLOOR CLEANOUT	ADJUSTABLE LEVELING FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATER TIGHT ABS TAPERED THREAD PLUG, ROUND SCORIATED SECURED TOP, NO HUB CONNECTION				ZURN Z1400-BZ-NH
FD-1	FLOOR DRAIN FINISHED AREAS	DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, NICKEL BRONZE TOP, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND TOP ASSEMBLY, EZ1 DRAINAGE SERIES COMPRISED OF CONCRETE SHIELD UP TO 1" OF VERTICAL POST POUR ADJUSTMENT, 1 3/4" TO 3 1/4" EXTENSION ADAPTER AVAILABLE			RECTORSEAL SS3009V	ZURN Z415-BZ1
FD-2	FLOOR DRAIN UTILITY AREAS	DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, SEEPAGE PAN, MEMBRANE FLASHING CLAMP WITH SEEPAGE SLOTS, ADJUSTABLE EXTENSION FRAME WITH HEAVY-DUTY CAST IRON DEEP FLANGE SLOTTED GRATE			RECTORSEAL SS3009V	ZURN Z520-NH
FS-1	FLOOR SINK	12" X 12" SQUARE GRATE TOP, 9" DEEP, DURA-COATED CAST IRON BODY, BOTTOM OUTLET, LOOSE SET CAST IRON SECONDARY STRAINER, NO HUB, ACID RESISTING EPOXY COATED FINISH			RECTORSEAL SS3009V	ZURN Z566-NL-GT
FWH-1	FREEZEPROOF WALL HYDRANT ENCASED	ENCASED ECOLOTROL "ANTI-SIPHON" AUTOMATIC DRAINING WALL HYDRANT FOR FLUSH INSTALLATION, NON-FREEZE TYPE INTEGRAL BACKFLOW PREVENTER, BRONZE CASING, ALL BRONZE INTERIOR PARTS				ZURN Z1300
HB-1	HOSE BIB	ANTI-SIPHON VACUUM BREAKER, BRASS EXTERIOR FINISH, WHEEL HANDLE WITH OPTIONAL LOOSE KEY TEE, BRASS CONSTRUCTION WITH ADJUSTABLE PACKING NUT, TEFLON IMPREGNATED PACKING AND STANDARD 'O' RING				WOODFORD MODEL 122
HB-2	HOSE BIB	ANTI-SIPHON VACUUM BREAKER, BRASS EXTERIOR FINISH, WHEEL HANDLE WITH OPTIONAL LOOSE KEY TEE, BRASS CONSTRUCTION WITH ADJUSTABLE PACKING NUT, TEFLON IMPREGNATED PACKING AND STANDARD 'O' RING				WOODFORD MODEL 74
MS-1	MOP SINK	HIGH IMPACT RESISTANT, ONE PIECE MOLDED DURASTONE STRUCTURAL FIBERGLASS, 24" X 24" X 10" DEEP, 3-1/2" DRAIN OPENING, REMOVABLE STAINLESS STEEL STRAINER	CHICAGO FAUCETS 897-RCF			MUSTEE 63M
RD-1 OD-1	COMBINATION ROOF DRAIN AND OVERFLOW	12" DIAMETER COMBINATION MAIN ROOF DRAIN AND OVERFLOW DRAIN WITH LOW SILHOUETTE DOMES AND DOUBLE TOP-SET DECK PLATE, DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP / GRAVEL GUARDS, DOUBLE TOP-SET DECK PLATE AND LOW SILHOUETTE CAST IRON DOME STRAINERS				ZURN Z164
RHY-1	SANITARY ROOF HYDRANT	ASSE 1057 LISTED, THE UNIT IS BACKFLOW PROTECTED WITH A FIELD TESTED ASSE 1052 DOUBLE CHECK BACKFLOW PREVENTER, NO DRAIN LINE REQUIRED, 3/4" NPT FEMALE INLET CONNECTION, MAXIMUM WORKING PRESSURE - 100 PSI, MAXIMUM TEMPERATURE - 120 F				WOODFORD SRH-MS
TMV-1	THERMOSTATIC MIXING VALVE POINT-OF-USE	HOT WATER INLET TEMPERATURE: 120 DEG F TO 180 DEG F, MINIMUM INLET TEMPERATURE DIFFERENTIAL: 5 DEG F, TEMPERATURE RANGE: 80 DEG F TO 120 DEG F, MINIMUM FLOW: 0.25 GPM,CHECK VALVE ON INLETS, STRAINER STOP CHECKS ON INLETS. ASSE 1070 RATED				WATTS LFUSG-B M3
TMV-2	THERMOSTATIC MIXING VALVE MASTER CONTROLLER	THERMOSTATIC TYPE MASTER MIXING CONTROL VALVE, BRONZE BODY CONSTRUCTION WITH CORROSION RESISTANT COMPONENTS, SLIDING PISTON CONTROL MECHANISM, STAINLESS STEEL PISTON AND LINE, UNION END STOPS. ASSE 1017				ACORN CONTROLS MV17-2
WB-1	WALL BOX	PLASTIC WASHER WALL BOX, WITH SINGLE LEVER VALVE AND INTEGRAL HAMMER ARRESTERS, FIRE RATED, BOX IS PVC RESIN & INTUMESCENT PAD ATTACHED, 1/2" MIP / SWEAT CONNECTION, VALVES COMPLY WITH ASME A112.18.1, HAMMER ARRESTERS COMPLY WITH ASSE 1010				GUY GRAY FR12SS
WB-2	WALL BOX	PLASTIC ICE MAKER OUTLET BOX, WITH LEAD FREE BRASS PLATED QUARTER-TURN BALL VALVE AND INTEGRAL HAMMER ARRESTER, FIRE RATED, BOX IS PVC RESIN & INTUMESCENT PAD ATTACHED, 1/2" MIP / SWEAT CONNECTION, VALVES COMPLY WITH NSF / ANSI 372 (ANNEX G) AND THE U.S. SAFE DRINKING WATER ACT				GUY GRAY FRIB12ABSHA
WCO	WALL CLEANOUT	DURA-COATED CAST IRON BODY WITH GAS AND WATER TIGHT ABS TAPERED THREAD PLUG, ROUND SMOOTH, STAINLESS STEEL ACCESS COVER WITH SECURING VANDAL PROOF SCREW, NO HUB CONNECTION				ZURN Z1441-VP

CIRCULATING PUMP SCHEDULE

TAG	FIXTURE	DESCRIPTION	PIPING CONNECTIONS		ELECTRICAL REQUIREMENTS					FLOW GPM	TDH FEET	PUMP RPM	LOCATION	REFERENCE PRODUCT
			DISCHARGE	SUCTION	AMPS	VOLT	PH	HZ	HP					
CP-1	DOMESTIC HOT WATER CIRCULATING PUMP IN-LINE	BRONZE OR CAST IRON BODY, SEALED PRECISION STEEL BALL BEARINGS, PERMANENTLY LUBRICATED, 30% GLASS FILLED NORY IMPELLAR, STAINLESS STEEL ROTOR AND SHAFT, EPDM DIAPHRAGM, 225 F MAX WATER TEMPERATURE, 150 PSI MAX WORKING PRESSURE	1"	1"	2.1	115	1	60	1/6	10	25	3300	MECH ROOM	BELL & GOSSETT PL-45B

SUMP PUMP SCHEDULE

TAG	FIXTURE	DESCRIPTION	PIPING CONNECTIONS			ELECTRICAL REQUIREMENTS					FLOW GPM	TDH FEET	LOCATION	REFERENCE PRODUCT
			DISCHARGE	SUCTION	VENT	AMPS	VOLT	PH	HZ	HP				
ESP-1&2	ELEVATOR SUMP PUMP (OIL SMART)	ONE (1) NON-AUTOMATIC PUMP WITH 1.5" NPT VERTICAL DISCHARGE, VORTEX IMPELLER, EPOXY POWDER COATED CAST IRON HOUSING, 20' POWER CORD; • ONE (1) 2" CAST IRON CHECK VALVE AND ONE (1) 2" BRASS FULL PORT BALL VALVE • ONE (1) UL LISTED HIGH WATER/OIL PRESENCE ALARM WITH AUDIBLE AND VISUAL ALARMS, SENSOR PROBE, AUXILIARY DRY CONTACTS, 20' CORD, 20 AMP RELAY AND NEMA 4X CONSTRUCTION. SYSTEM WILL ALARM IF THE PRESENCE OF HYDROCARBONS EXISTS. • ONE (1) 24" X 36" POLYETHYLENE BASIN WITH 0.25" EPOXY POWDER COATED STEEL PERFORATED LID INCLUDING 0.5" WEEP HOLES THROUGHOUT, 2" DISCHARGE FLANGE, PUMP CORD SEAL AND GASKET MATERIAL	2"	BASE	NO	10.5	115	1	60	1/2	50	21	ELEVATOR PIT	ZOELLER MODEL 940-0007

BALANCING VALVE SCHEDULE

TAG	FIXTURE	DESCRIPTION	PIPING CONNECTIONS		SET TEMP.	LOCATION	REFERENCE PRODUCT
			INLET	OUTLET			
BV-1	HOT WATER RETURN BALANCING VALVE	SELF-ACTING THERMOSTATIC RECIRCULATION VALVE WHICH AUTOMATICALLY AND CONTINUOUSLY MAINTAINS THE END OF EACH DOMESTIC HOT WATER SUPPLY LINE AT THE SPECIFIED WATER TEMPERATURE	3/4"	3/4"	140 DEGREES	SEE PLANS	CIRCUITSOLVER CSUA-3/4-140-CV1

BACKFLOW PREVENTER SCHEDULE

TAG	FIXTURE	DESCRIPTION	PIPING CONNECTIONS			SERVICE FLOW (GPM)	PRESSURE LOSS (PSI)	DEVICE LOCATION	EQUIPMENT SERVES	REFERENCE PRODUCT
			IN	OUT	DRAIN					
BFP-1	REDUCED PRESSURE BACKFLOW PREVENTER	ASSE LISTED 1013, 304 STAINLESS STEEL MAIN BODY, TWO INDEPENDENTLY OPERATING SPRING LOADED CHECK VALVES, STAINLESS STEEL SPRINGS, DIAPHRAGM TYPE DIFFERENTIAL PRESSURE RELIEF VALVE, AIR GAP FITTING	3"	3"	2"	170	8	MECHANICAL ROOM	BUILDING	WATTS 957-FS

COMMON AREA PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	DESCRIPTION	REFERENCE PRODUCT	COLOR	NOTES
LV-1	BASIN	VITEROUS CHINA RETANGULAR BASIN, WITH OVERFLOW	PROFLO PF1812UWH	WHITE	
	FAUCET	SINGLE HANDLE DECK MOUNT	PROFLO PFWSC3017ZBN	BRUSH NICKEL	
WC-1	WATER CLOSET	ADA HEIGHT TOILET	PROFLO PFCT303HEWH	WHITE	PROFLO PFTSCOFE2000WH
SK-1	SINK	SINGLE BOWL, STAINLESS STEEL CONSTRUCTION, CENTER DRAIN, SOUND-ABSORPTION UNDERSIDE	PROFLO PFSR252264	STAILESS STEEL	
	FAUCET	SINGLE HANDLE DECK MOUNT	PROFLO PFXC3107ZBN	BRUSH NICKEL	
SK-2	SINK	DOUBLE BOWL, STAINLESS STEEL CONSTRUCTION, CENTER DRAIN, SOUND-ABSORPTION UNDERSIDE	ELKAY EELUHAD321650	STAINLESS STEEL	
	FAUCET	SINGLE HANDLE DECK MOUNT WITH PULL OUT SPRAY	PROFLO PFXC7017ZBN	BRUSH NICKEL	
WB-1	WALL BOX	FIRE RATED WALL BOX	IPS CORP I82567		

RESIDENT UNIT PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	DESCRIPTION	REFERENCE PRODUCT	COLOR	NOTES
LV-R1	BASIN	VITEROUS CHINA OVAL BASIN, WITH OVERFLOW	PROFLO PF20174WH	WHITE	
	FAUCET	SINGLE HANDLE, 1.2 GPM MAX FLOW, DECK MOUNTED	PROFLO PFWSC3017ZBN	BRUSH NICKEL	
LV-R1A	BASIN	VITEROUS CHINA OVAL BASIN, WITH OVERFLOW	PROFLO PF20174WH	WHITE	
	FAUCET	SINGLE HANDLE, 1.2 GPM MAX FLOW, DECK MOUNTED	PROFLO PFWSCM1M1087ZBN	BRUSH NICKEL	
SH-R1	SHOWER	ONE-PIECE .75 THRSH BARRIER FREE	BESTBATH LBS6030B75B75B	WHITE	
	HAND HELD SHOWER	SHOWER KIT W/ 36" SLIDE BAR	MOEN M52236GBM15CBN	BRUSH NICKEL	
	SHOWER DIVERTER	SINGLE HANDLE	PROFLO PF7600SZBN	BRUSH NICKEL	
SH-R1A	SHOWER	ONE-PIECE ROLL IN SHOWER	BESTBATH LBS26333A75FTB	WHITE	
	HAND HELD SHOWER	SHOWER KIT W/ 36" SLIDE BAR	MOEN M52236GBM15CBN	BRUSH NICKEL	
	SHOWER DIVERTER	SINGLE HANDLE	PROFLO PF7600SZBN	BRUSH NICKEL	
WC-R1	WATER CLOSET	ADA HEIGHT TOILET	PROFLO PFCT303HEWH	WHITE	PROFLO PFTSEC2000WH
SK-R1	SINK	DOUBLE BOWL, 22 GAUGE STAINLESS STEEL CONSTRUCTION, CENTER DRAIN, SOUND-ABSORPTION UNDERSIDE	PROFLO PFSR3322264	STAINLESS STEEL	
	FAUCET	SINGLE HANDLE WITH PULL OUT SPRAY	PROFLO PFXC4117ZBN	BRUSH NICKEL	
SK-R1A	SINK	DOUBLE BOWL, STAINLESS STEEL CONSTRUCTION, CENTER DRAIN, SOUND-ABSORPTION UNDERSIDE	DAYTON DGE2333214	STAINLESS STEEL	
	FAUCET	SINGLE HANDLE WITH PULL OUT SPRAY	PROFLO PFXC4117ZBN	BRUSH NICKEL	
WB-R1	WALL BOXX	FIRE RATED WALL BOX	IPS CORP I82567		
FD-R1	FLOOR DRAIN	DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, SEEPAGE PAN, MEMBRANE FLASHING CLAMP WITH SEEPAGE SLOTS, ADJUSTABLE EXTENSION FRAME WITH HEAVY-DUTY CAST IRON DEEP FLANGE SLOTTED GRATE	ZURN Z415-BZ1		
TMV-R1	FLOOR DRAIN	DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, SEEPAGE PAN, MEMBRANE FLASHING CLAMP WITH SEEPAGE SLOTS, ADJUSTABLE EXTENSION FRAME WITH HEAVY-DUTY CAST IRON DEEP FLANGE SLOTTED GRATE	WATTS LFUSG-B M3		

GAS-FIRED WATER HEATER SCHEDULE

TAG	FIXTURE	DESCRIPTION	PIPING CONNECTIONS							GAS REQUIREMENTS			TANK CAPACITY	RECOVERY CAPACITY (GPH)		LOCATION	REFERENCE PRODUCT
			CW	HW	GAS	VENT	VOLT	PH	HZ	TYPE	BTUH	PRESSURE	GALLONS	GALLONS	TEMP RISE		
GWH-1 GWH-2	GAS-FIRED WATER HEATER TANK TYPE COMMERICAL	GLASS LINED WELDED STEEL TANK, HEAVY GAUGE CERAMIC COATING OVER BONDERIZED UNDERCOAT STEEL JACKET, FOAM INSULATION, DIGITAL TEMP READOUT, PRESET POWER BURNER, SUBMERGED COMBUSTION CHAMBER, SPIRAL WOUND FLUE TUBE	1 1/2"	1 1/2"	3/4"	3"	120	1	60	NAT	199,900	7" W.C.	100	261	90 DEG	MECH ROOM	AO SMITH CYCLONE BTH-199(A)

NOTES
A) FLUE SIZES INDICATED ARE FOR 50' MAXIMUM DEVELOPED LENGTH. REFER TO MANUFACTURER'S DATA FOR ADDITIONAL REQUIREMENTS.

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PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% OWNER REVIEW
DATE : 01/07/26

PLUMBING SCHEDULES

P601

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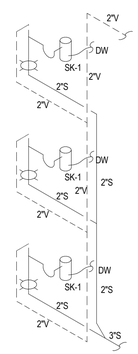
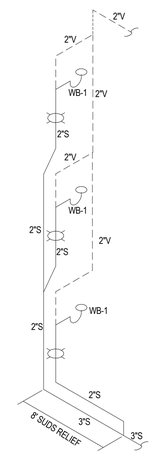


6 TYPICAL KITCHEN SINK ISOMETRIC



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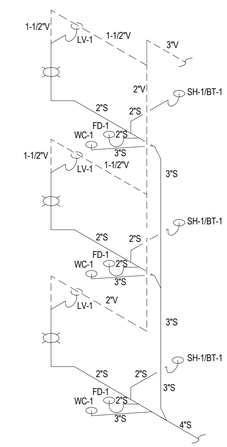

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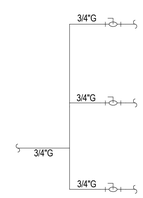
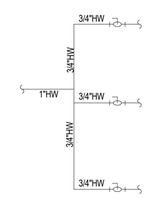
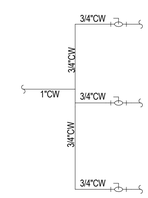


3 TYPICAL GAS RISER



2 TYPICAL HOT WATER RISER



1 TYPICAL COLD WATER RISER

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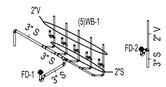
PLUMBING ISOMETRICS AND RISERS

P701

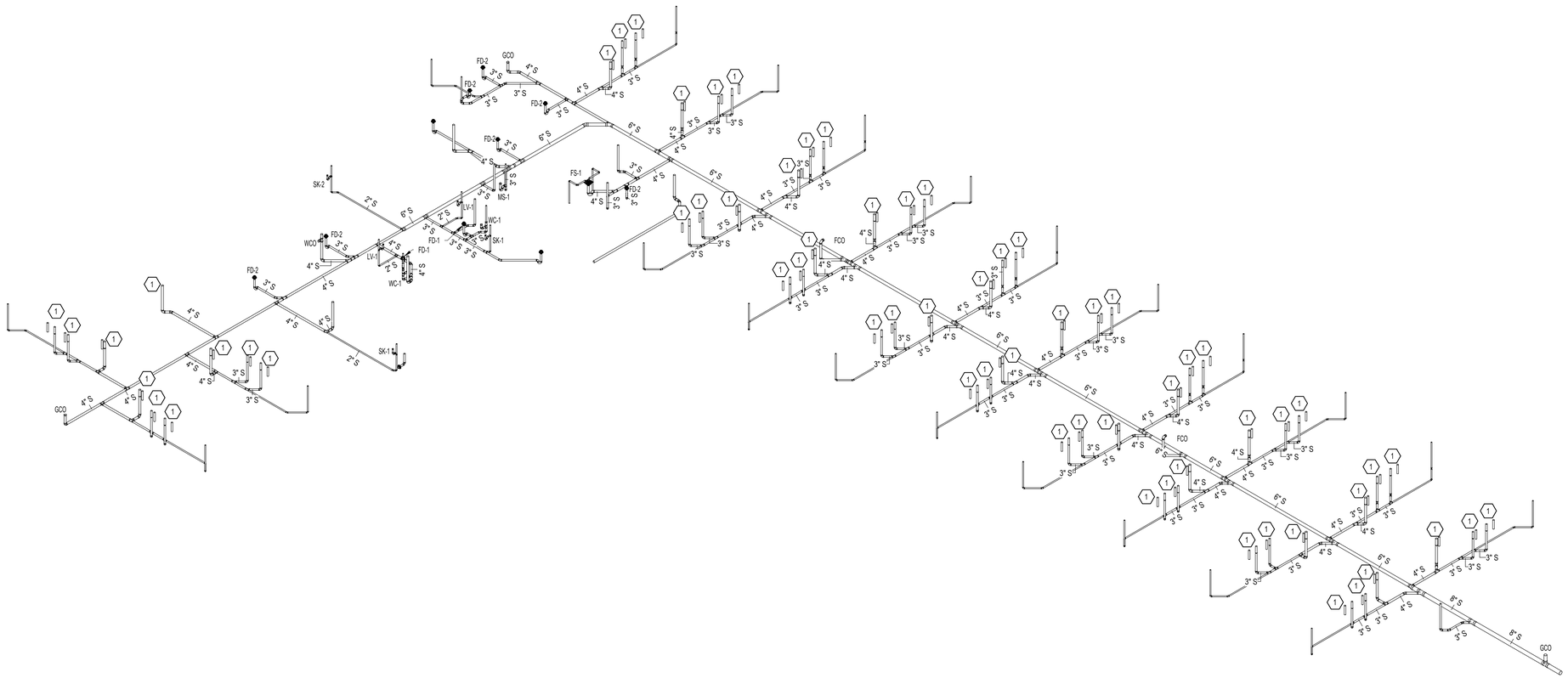
1/14/2026 3:32:54 PM

PLUMBING NOTES:

1. SANITARY AND VENT STACKS. REFER TO TYPICAL SANITARY ISOMETRICS AND OVERALL PLANS FOR MORE INFORMATION.



2 LAUNDRY ROOM SANITARY ISOMETRIC



1 FIRST FLOOR SANITARY ISOMETRIC

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SANITARY ISOMETRIC

P702

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A.) - HVAC GENERAL NOTES:

1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE 2021 OHIO MECHANICAL CODE, THE 2021 OHIO BUILDING CODE, THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, STATE AMENDMENTS, NFPA 90A, 96, 101, UNDERWRITERS LABORATORIES AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.

2. THE LOCATIONS, ARRANGEMENT AND EXTENT OF EQUIPMENT, DEVICES, CONDUIT, AND OTHER APPURTENANCES RELATED TO THE INSTALLATION OF MECHANICAL WORK SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL NOT SCALE DRAWINGS, BUT SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS OF BUILDING COMPONENTS. SHOULD A CONFLICT EXIST BETWEEN THE ARCHITECTURAL AND ENGINEERING DRAWINGS REGARDING DIMENSIONS AND SCALE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF THE DISCREPANCY.

3. THE CONSTRUCTION DOCUMENTS SHALL BE COMPRISED OF BOTH PLANS AND SPECIFICATIONS; THEREFORE, ALL HVAC WORK PERFORMED SHALL CONFORM TO THE REQUIREMENTS DESCRIBED IN BOTH. NEITHER SHALL TAKE PRECEDENCE OVER THE OTHER, BUT RATHER, THEY SHALL BE AN EXTENSION OF EACH OTHER. SHOULD A CONFLICT EXIST BETWEEN THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF THE DISCREPANCY.

4. MATERIALS, EQUIPMENT OR LABOR NOT INDICATED BUT WHICH CAN BE REASONABLY INFERRED TO BE NECESSARY FOR A COMPLETE INSTALLATION SHALL BE PROVIDED. DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO INDICATE EVERY ITEM OF MATERIAL, EQUIPMENT, OR LABOR REQUIRED TO PRODUCE A COMPLETE AND PROPERLY OPERATING INSTALLATION.

5. ANY WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO NEW CONDITION.

6. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH UNDERWRITER'S APPROVAL, MANUFACTURER'S RECOMMENDATIONS, GOOD ENGINEERING PRACTICE, AND ALL APPLICABLE CODE REQUIREMENTS.

7. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.

8. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 4 YEAR MANUFACTURER'S WARRANTY FOR A 5-YEAR TOTAL WARRANTY.

9. INSTALL GRADE MOUNTED OUTDOOR AIR CONDITIONING EQUIPMENT LEVEL ON 4" THICK REINFORCED CONCRETE PADS, EXTENDING 6" ON ALL SIDES BEYOND UNIT PERIMETER.

10. EQUIPMENT SHALL BE LOCATED AT LEAST 10'-0" FROM ALL ROOF EDGES OR OPEN SIDES OF A WALKING SURFACE WHERE SUCH OPEN SIDE IS MORE THAN 30" ABOVE THE ADJACENT SURFACE. WHERE EQUIPMENT IS WITHIN 10'-0" OF SUCH DROPOFFS, FALL PROTECTION GUARDS SHALL BE PROVIDED. GUARDS SHALL BE MINIMUM 42" TALL AND EXTEND AT LEAST 30" BEYOND EACH END OF THE EQUIPMENT. GUARD SHALL BE CONSTRUCTED SO AS TO PREVENT THE PASSAGE OF A 21" SPHERE AND SHALL COMPLY WITH LOADING REQUIREMENTS OF THE IBC.

11. AIR HANDLING AND FAN COIL UNITS LOCATED ABOVE THE LOWEST LEVEL FINISHED FLOOR SHALL BE INSTALLED WITH AN AUXILIARY CONDENSATE DRAIN PAN UNDER THE UNIT. PROVIDE AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION IN SECONDARY DRAIN PAN. INSTALL MINIMUM 4' X 4' X 3/4" THICK PLYWOOD SERVICE PLATFORM ON SERVICE SIDE OF UNITS LOCATED IN ATTIC SPACES.

12. PANCAKE STYLE AIR HANDLERS LOCATED ABOVE TOILET AREAS SHALL BE INSTALLED IN A MINIMUM 14-INCH DEEP INSIDE CLEAR FURRDOWN RETURN AIR PLENUM. REFERENCE ARCHITECTURAL PLANS.

13. MOUNT TOP OF THERMOSTATS AND OTHER CONTROL DEVICES 46" AFF UNLESS NOTED OTHERWISE. PROVIDE CLEAR LOCKING COVER FOR ALL PUBLIC AREA THERMOSTATS. COORDINATE THERMOSTAT LOCATIONS WITH OTHER TRADES.

14. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, PIPING, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.

15. ALL PIPE AND DUCT PENETRATIONS OF FIRE AND/OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE THE ASSEMBLY TO ITS ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY TREMCO, HILTI, 3M OR APPROVED EQUAL.

16. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEMS. ACCESS PANELS IN CEILING AND WALLS SHALL BE PROVIDED WHERE SHOWN ON THE DRAWINGS OR NECESSARY TO ACCESS DAMPERS, VALVES, ETC. COORDINATE EXACT LOCATION OF ALL ACCESS PANELS WITH THE ARCHITECT DURING THE SHOP DRAWING PROCESS.

17. ALL MECHANICAL EQUIPMENT SHALL BE LABELED WITH A SEMI-RIGID PLASTIC LAMINATE NAMEPLATE WITH 2" HIGH WHITE LETTERS ON A BLACK BACKGROUND SECURELY AFFIXED TO THE EQUIPMENT. THE NAMEPLATE SHALL SHOW THE EQUIPMENT TAG USED ON THESE DRAWINGS. ON RESIDENTIAL PROJECTS, THE NAMEPLATE ON THE OUTDOOR EQUIPMENT SHALL INDICATE THE APARTMENT OR CONDOMINIUM UNIT NUMBER IT SERVES AS WELL AS THE EQUIPMENT ID TAG.

18. REFER TO ARCHITECTURAL PLANS FOR FLOOR AND CEILING ASSEMBLY UL RATINGS AND DETAILS.

19. WHERE PLANS CALL FOR UNDERCUT DOORS IN FIRE-RATED WALLS, UNDERCUT SHALL NOT EXCEED 3/4" PER NFPA-80.

20. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS; DUCTWORK DRAWN THE SCALE SHOWN ON THE DRAWINGS; REFRIGERANT PIPING AND CONTROL WIRING SCHEMATICS CERTIFIED BY THE AIR CONDITIONING EQUIPMENT MANUFACTURER; LONG LINE REFRIGERANT PIPING APPLICATIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT SPLIT SYSTEM LONG-LINE APPLICATION GUIDELINE.

(B) - MECHANICAL/ELECTRICAL COORDINATION:

1. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN. SHOP DRAWING SUBMITTALS SHALL CLEARLY STATE THAT THE ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT HAS BEEN COORDINATED WITH THE ELECTRICAL CONTRACT DOCUMENTS AND THE ELECTRICAL CONTRACTOR.

2. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND THE ELECTRICAL DRAWINGS.

3. ALL REQUIRED CONTROL WIRING (INCLUDING POWER WIRING REQUIRED FOR CONTROL PANELS, DEVICES, ETC.) NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK. WIRING IN HVAC PLENUM SPACES SHALL BE INSTALLED ACCORDING TO CODE REQUIREMENTS.

4. UNLESS NOTED OTHERWISE, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED WITH THE EQUIPMENT IT SERVES AND INSTALLED BY THE MECHANICAL CONTRACTOR. MOTOR STARTERS FOR HVAC EQUIPMENT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

(C) - AIR DISTRIBUTION:

1. SUPPLY, RETURN, OUTSIDE, AND EXHAUST AIR DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEETMETAL IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION. WHERE DUCTWORK PENETRATES A 1-HR FIRE-RATED ASSEMBLY, MINIMUM 26 GAGE GALVANIZED STEEL SHALL BE USED FOR THE ENTIRE LENGTH OF THE DUCT. ALL JOINTS AND SEAMS IN ALL SHEETMETAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER.

2. ALL EXPOSED DUCTWORK TO HAVE MILL PHOSPHATIZED FINISH TO BE PAINTED BLACK BY OTHERS.

3. ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE PER SMACNA STANDARDS.

4. FLEXIBLE DUCTWORK SHALL BE THERMAFLEX M-KE (U.L. 181 LISTED, CLASS 1 FLEXIBLE AIR DUCT). PROVIDE MINIMUM INSULATION VALUE OF R-6, R-8 WHEN LOCATED OUTSIDE THE THERMAL ENVELOPE OF THE BUILDING. AIR CONNECTORS ARE NOT ACCEPTABLE. FLEX DUCT DIAMETER SHALL MATCH DEVICE NECK DIAMETER. PROVIDE ROUND GALVANIZED STEEL DUCT RUNOUTS TO MAINTAIN A MAXIMUM FLEXIBLE DUCT LENGTH OF 8'-0" (EXCEPT IN RESIDENTIAL APPLICATIONS LENGTH SHALL BE AS INDICATED). FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED.

5. ROUND AND FLEXIBLE SUPPLY AIR DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH A SPIN-IN FITTING WITH SCOOP AND BALANCING DAMPER. IN RESIDENTIAL SPACES, TAB-TYPE FITTINGS ARE ACCEPTABLE, AND AIRFLOW SHALL BE BALANCED AT THE AIR DEVICES.

6. TAPE, BED AND SEAL AIR TIGHT ALL PENETRATIONS FROM RETURN AIR PLENUMS TO NON RETURN AIR PLENUMS THAT ARE REQUIRED DUE TO DUCTWORK, PIPING OR OTHER ITEMS.

7. EXHAUST AND OUTDOOR AIR INTAKE DUCTWORK SHALL BE FURNISHED WITH A BUILT-IN BACK-DRAFT DAMPER (GRAVITY TYPE UNLESS NOTED OTHERWISE ON PLANS) AND MESH INSECT SCREEN (EXCEPT DRYER VENTS).

8. DRYER VENT DUCTWORK SHALL BE 4-INCH ROUND AND BE 26 GAUGE GALVANIZED STEEL INSTALLED WITH LONGITUDINAL SEAMS FACING UP AND MALE CRIMPED END INSTALLED IN THE DIRECTION OF FLOW. ROUTE DRYER VENT TO THE EXTERIOR WALL CAP AS DIRECT AS POSSIBLE. DO NOT SECURE DUCTWORK WITH SHEET METAL SCREWS.

9. PORTIONS OF DUCTWORK AND PIPE INSULATION VISIBLE THROUGH AIR DISTRIBUTION DEVICES IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.

10. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS.

11. INSTALL FIRE DAMPERS IN ALL THROUGH PENETRATIONS IN FIRE-RATED WALLS, FLOOR AND CEILINGS. IN DYNAMIC SYSTEMS (SYSTEMS NOT DESIGNED TO STOP OPERATING DURING A FIRE EVENT), FIRE DAMPERS SHALL BE THE DYNAMIC TYPE WITH BLADES OUT OF THE AIRSTREAM WHERE POSSIBLE. FOR SYSTEMS DESIGNED TO STOP OPERATING DURING A FIRE EVENT, STATIC FIRE DAMPERS SHALL BE ALLOWED. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES.

12. WHERE DUCTS PENETRATE FIRE-RATED WALLS AND HAVE DUCT OPENINGS SERVING SPACES ON BOTH SIDES OF THE RATED WALL, FIRE/SMOKE DAMPERS SHALL BE PROVIDED AT FIRE-RATED WALL PENETRATION.

13. INSTALL CEILING RADIATION DAMPERS AT DIFFUSERS MOUNTED IN FIRE-RATED CEILING ASSEMBLIES. WHERE DUCTWORK PENETRATES THE MEMBRANE OF A FIRE-RATED CEILING ASSEMBLY, INSTALL DUCT-DROP RATED CEILING RADIATION DAMPER. DAMPER SHALL BE DYNAMIC RATED OR SYSTEM SHALL BE DESIGNED TO STOP OPERATING DURING A FIRE EVENT. ALL DAMPERS SHALL BE U.L. 555C LABELED. ALL DAMPERS SHALL BE SPECIFICALLY LISTED (MAKE AND MODEL) AS APPROVED FOR USE IN THE UL LISTING OF THE FIRE-RESISTANCE-RATED CEILING ASSEMBLY PENETRATED.

14. INSTALL SMOKE DAMPERS IN ALL DUCT PENETRATIONS THROUGH SMOKE-RATED WALLS. WHERE DUCTS PENETRATE WALLS THAT CARRY BOTH FIRE AND SMOKE RATINGS, THE DAMPERS INSTALLED SHALL BE COMBINATION FIRE AND SMOKE DAMPERS. ALL DAMPERS SHALL BE U.L. 555 AND/OR 555S LABELED.

15. DUCT ACCESS DOORS: PROVIDE ACCESS DOORS IN DUCTWORK AT EACH FIRE, SMOKE, FIRE/SMOKE, OR DUCT-DROP RATED CEILING RADIATION DAMPER LOCATION.

16. LOCATIONS OF GRILLES, REGISTERS, & DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH CEILING GRID, LIGHT FIXTURES, SPRINKLER HEADS, SPEAKERS, SMOKE ALARMS, ETC. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.

17. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR AND WATER QUANTITIES SHOWN ON THE DRAWINGS (NOT APPLICABLE TO DWELLING UNITS). SUBMIT CERTIFIED (AABC OR NEBB) TEST AND BALANCE REPORT TO THE ARCHITECT FOR APPROVAL. NOT APPLICABLE TO DWELLING UNITS.

(D) - PIPING:

1. REFRIGERANT PIPING SHALL BE TYPE L OR REFRIGERATION SERVICE COPPER TUBING WITH BRAZED JOINTS.

2. REFRIGERANT LINE SET ACCESS PORTS SHALL HAVE LOCKING CAPS.

3. CONDENSATE FROM ALL AIR CONDITIONING EQUIPMENT SHALL BE TRAPPED AND ROUTED TO THE NEAREST FLOOR DRAIN OR OTHER PLUMBING DRAIN AS SHOWN ON PLANS. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC (EXCEPT CPVC IN HVAC PLENUMS). CONDENSATE SHALL BE PUMPED AS REQUIRED.

4. ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS.

(E) - INSULATION:

1. DUCT INSULATION:

2. DUCT WRAP SHALL BE UL LISTED FIBERGLASS BLANKET INSULATION WITH FOIL VAPOR BARRIER. PUNCTURES AND TEARS IN THE FOIL JACKET SHALL BE PATCHED WITH FOIL TAPE TO MAINTAIN THE INTEGRITY OF THE VAPOR BARRIER. INSULATE SHEET METAL DUCTWORK IN THE THICKNESSES AND DENSITIES AS LISTED BELOW:

   A. SHEET METAL SUPPLY, RETURN, AND OUTSIDE AIR DUCTWORK: R-6 MINIMUM INSTALLED.
   B. EXHAUST DUCTWORK ROUTED WITHIN THE BUILDING THERMAL ENVELOPE SHALL NOT BE INSULATED UNLESS NOTED OTHERWISE.
   C. ALL SHEET METAL DUCT LOCATED OUTSIDE THE THERMAL ENVELOPE OF THE BUILDING: R-8 MINIMUM INSTALLED.

3. LINE ALL SHEETMETAL DUCTWORK A MINIMUM OF 10'-0" DOWNSTREAM OF ALL AIR HANDLING UNITS, FAN COIL UNITS AND TERMINAL UNITS. THE LEADING EDGE OF THE DUCT LINER SHALL HAVE A SHEETMETAL NOSING.

(F) - SEQUENCE OF OPERATION:

1. CONSTANT VOLUME DIRECT EXPANSION (DX) SYSTEM

   A. HEATING/COOLING = SYSTEM SHALL BE CONTROLLED BY AN ON/OFF/AUTO THERMOSTAT (7-DAY PROGRAMMABLE UNLESS NOTED OTHERWISE). THE FAN SHALL OPERATE CONTINUOUSLY. WHEN THE SPACE TEMPERATURE DEVIATES OUTSIDE THE THERMOSTAT SETPOINT, HEATING OR COOLING SHALL ENGAGE UNTIL THE SPACE TEMPERATURE RETURNS TO THE SETPOINT.
      a. IN DWELLING UNITS, FAN CYCLING IN 'AUTO' MODE SHALL BE ALLOWED.

(G) - SYSTEM COMMISSIONING:

1. PRIOR TO THE FINAL MECHANICAL AND PLUMBING INSPECTIONS, AN APPROVED AGENCY CONTRACTED BY THE OWNER SHALL COMMISSION ALL MECHANICAL SYSTEMS AS DESCRIBED BELOW. EXCEPTION: EQUIPMENT SERVING INDIVIDUAL DWELLING OR SLEEPING UNITS.

2. ALL AIR-MOVING SYSTEMS WITH A FAN MOTOR GREATER THAN 1 HP SHALL BE BE TESTING AND BALANCED. ALL SUPPLY AIR DUCTS SHALL HAVE A MANUAL VOLUME DAMPER. ALL DAMPERS SHALL FIRST BE ADJUSTED SO AS TO LIMIT THROTTLING LOSSES, THEN FAN POWER SHALL BE ADJUSTED TO ACHIEVE DESIGN AIRFLOWS SHOWN ON PLANS.

   A. ALL SYSTEMS WITH FAN MOTORS OF 1 HP OR LESS WITH SUPPLY AIR DUCTS INDICATED ELSEWHERE IN THESE DOCUMENTS TO HAVE MANUAL VOLUME DAMPERS SHALL BE BALANCED TO DELIVER THE AIRFLOWS SHOWN ON PLANS, BUT ARE NOT REQUIRED TO BE INCLUDED IN THE PRELIMINARY OR FINAL COMMISSIONING REPORT GIVEN TO THE OWNER AND INSPECTOR.

3. ALL SYSTEMS WITH SUPPLY AIR ECONOMIZERS SHALL RECEIVE A FULL FUNCTION TESTING TO CONFIRM COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND PERFORMANCE SETPOINTS DESCRIBED ON PLANS. TESTING SHALL INCLUDE ALL MODES AND SEQUENCE OF OPERATION, INCLUDING UNDER FULL-LOAD, PART-LOAD, AND THE FOLLOWING EMERGENCY CONDITIONS:

   A. ALL MODES AS DESCRIBED IN THE SEQUENCE OF OPERATION.
   B. REDUNDANT OR AUTOMATIC BACK-UP MODE.
   C. PERFORMANCE OF ALARMS.
   D. MODE OF OPERATION UPON A LOSS OF POWER AND RESTORATION OF POWER.

4. A "PRELIMINARY COMMISSIONING REPORT" DETAILING ALL TESTING ACTIVITIES, ITEMIZED LIST OF DEFICIENCIES, DEFERRED TESTS NOT PERFORMED DUE TO CLIMATIC CONDITIONS, AND CLIMATIC CONDITIONS AT THE TIME OF TESTING SHALL BE PROVIDED TO THE OWNER (OR OWNER'S AGENT) AND THE CODE OFFICIAL.

   A. THE BUILDING OWNER (OR OWNER'S AGENT) MUST ISSUE A LETTER OF TRANSMITTAL TO THE CODE OFFICIAL ACKNOWLEDGING RECEIPT OF THE PRELIMINARY COMMISSIONING REPORT BEFORE THE BUILDING WILL BE CONSIDERED ELIGIBLE FOR FINAL INSPECTION.

5. CONTRACTOR SHALL PROVIDE THE BUILDING OWNER (OR OWNER'S AGENT) WITH AN OPERATIONS AND MAINTENANCE MANUAL INCLUDING THE FOLLOWING:

   A. SUBMITTAL DATA STATING EQUIPMENT SIZE AND SELECTED OPTION FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
   B. MANUFACTURER'S OPERATIONS MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. EXCEPT EQUIPMENT NOT FURNISHED AS PART OF THE PROJECT. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
   C. NAME AND ADDRESS OF AT LEAST ONE SERVICE AGENCY.
   D. HVAC AND SERVICE HOT WATER CONTROLS SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS AND CONTROL SEQUENCE DESCRIPTIONS. DESIRED OR FIELD-DETERMINED SET POINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT CONTROL DEVICES OR, FOR DIGITAL CONTROL SYSTEMS, IN SYSTEM PROGRAMMING INSTRUCTIONS.
   E. A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SET POINTS.

6. A "FINAL COMMISSIONING REPORT" DETAILING ALL TESTING PROCEDURES AND RESULTS SHALL BE DELIVERED TO THE BUILDING OWNER (OR OWNER'S AGENT). THE FINAL REPORT SHALL INCLUDE ALL INFORMATION AS DESCRIBED ABOVE IN THE PRELIMINARY REPORT, EXCEPT THAT NO DEFERRED TESTS SHALL BE PERMITTED.

SPECIAL NOTES:

- THE WORK TO BE PERFORMED ON THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE BUILD AMERICA, BUY AMERICA (BABA) ACT AND SHALL ENSURE THAT ALL IRON, STEEL, MANUFACTURED PRODUCTS, AND CONSTRUCTION MATERIALS USED ARE PRODUCED WITHIN THE UNITED STATES, UNLESS OTHERWISE EXEMPT OR SUBJECT TO AN APPROVED WAIVER.
- DOCUMENTATION SHALL BE MAINTAINED THAT DEMONSTRATES THE FOLLOWING:
  - a. ALL THE IRON, STEEL, MANUFACTURED PRODUCTS, AND CONSTRUCTION MATERIALS USED ARE PRODUCED IN THE UNITED STATES IN ACCORDANCE WITH HUD'S PHASED IMPLEMENTATION WAIVER, OR
  - b. THE PROJECT IS COVERED BY A HUD GENERAL WAIVER AND IS THERFORE EXEMPT FROM THE BUY AMERICA PREFERENCE (BAP), OR
  - c. A PROJECT / PRODUCT SPECIFIC WAIVER WAS REVIEWED BY HUD AND APPROVED BY THE MADE IN AMERICA OFFICE (MIAO).

MECHANICAL NOTATIONS

AC	AIR CONDITIONING	DWG	DRAWING	HVAC	HEATING / VENTING / AIR CONDITIONING	RG#	RETURN AIR GRILLE
AFF	ABOVE FINISHED FLOOR	EC	ELECTRICAL CONTRACTOR	HWP	HOT WATER PUMP	REQ'D	REQUIRED
AFG	ABOVE FINISHED GRADE	EF-#	EXHAUST FAN	HWR	HOT WATER RETURN	RM	ROOM
AHU-#	AIR HANDLING UNIT	EFF	EFFICIENCY	HWS	HOT WATER SUPPLY	RPM	REVOLUTIONS PER MINUTE
ALT	ALTERNATIVE	EG-#	EXHAUST GRILLE	INSUL	INSULATION / INSULATE	S	SMOKE DAMPER
AMB	AMBIENT	EL	ELEVATION	KW	KILOWATTS	SA	SUPPLY AIR
APPROX	APPROXIMATE	ELEC	ELECTRIC(AL)	L	LENGTH / LONG	SD-#	SUPPLY AIR DIFFUSER
ARCH	ARCHITECT(URAL)	ELEV	ELEVATOR	LVR	LOUVER	SG-#	SUPPLY AIR GRILLE
AUTO	AUTOMATIC	EQUIP	EQUIPMENT	MAX	MAXIMUM	SP	STATIC PRESSURE
BHP	BRAKE HORSEPOWER	ETR	EXISTING TO REMAIN	MC	MECHANICAL CONTRACTOR	SPEC(S)	SPECIFICATION(S)
BLDG	BUILDING	EXH	EXHAUST	MECH	MECHANICAL	STD	STANDARD
CD-#	CEILING DIFFUSER	EXIST/EX	EXISTING	MFR	MANUFACTURER	TEMP	TEMPERATURE
CFM	CUBIC FEET PER MINUTE	EXT	EXTERIOR	MIN	MINIMUM	TYP	TYPICAL
CL	CENTERLINE	FC-#	FAN COIL UNIT	MISC	MISCELLANEOUS	UH-#	UNIT HEATER
CLG	CEILING	FD	FIRE DAMPER	NO / #	NUMBER	UNO	UNLESS NOTED OTHERWISE
COL	COLUMN	FPM	FEET PER MINUTE	NTS	NOT TO SCALE	V	VENT
COND	CONDENSATE	F/S	COMBINATION FIRE/SMOKE DAMPER	OA	OUTSIDE AIR	VAV	VARIABLE AIR VOLUME
CU-#	CONDENSING UNIT	FT	FEET	OC	ON CENTER	VD	VOLUME DAMPER
D	DEPTH / DEEP	GA	GAUGE	OD	OUTSIDE DIAMETER	VEL	VELOCITY
DB	DRY BULB TEMPERATURE	GALV	GALVANIZE(D)	PC	PLUMBING CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE
DCW	DOMESTIC COLD WATER	GAL	GALLON	PSI	POUNDS PER SQUARE INCH	VIF	VERIFY IN FIELD
DHW	DOMESTIC HOT WATER	GC	GENERAL CONTRACTOR	PVC	POLYVINYL CHLORIDE	VTR	VENT THROUGH ROOF
DIA / Ø	DIAMETER	GF-#	GAS FURNACE	R	RADIUS	W	WIDTH / WIDE
DIFF	DIFFUSER	GPM	GALLONS PER MINUTE	RA	RETURN AIR	W/	WITH
DWG	DRAWING	GWH-#	GAS WATER HEATER	RG-#	RETURN AIR GRILLE	W/O	WITHOUT
DIA / Ø	DIAMETER	H	HEIGHT / HIGH	R	RADIUS	WB	WET BULB TEMPERATURE
DIFF	DIFFUSER	HP	HORSE POWER	RA	RETURN AIR		

MECHANICAL SYMBOL LEGEND

NOTE: NOT ALL SYMBOLS MAY APPLY.

1	KEYED PLAN NOTE	X / XX.X	REFERENCE TAG
XX.##	EQUIPMENT DESIGNATION		
XX | Ø CFM	AIR TERMINAL TAG		DIRECTION OF AIR FLOW
	POINT OF CONNECTION		CONTINUATION
H	HUMIDISTAT	T	THERMOSTAT
C	CO2 SENSOR	S	REMOTE SENSOR
	RECTANGULAR SUPPLY DUCT RISER		ROUND SUPPLY DUCT RISER
	RECTANGULAR RETURN DUCT RISER		ROUND RETURN DUCT RISER
	RECTANGULAR EXHAUST DUCT RISER		ROUND EXHAUST DUCT RISER
	90 DEGREE TURNING VANE		45 DEGREE TURNING VANE
	RECTANGULAR DUCT TAKEOFF		ROUND DUCT TAKEOFF
SD	DUCT WITH SMOKE DAMPER	FD	DUCT WITH FIRE DAMPER
F/S	DUCT WITH FIRE / SMOKE DAMPER		CEILING RADIATION DAMPER
M	MOTORIZED DAMPER		VOLUME DAMPER
	SUPPLY AIR DIFFUSER		RETURN AIR GRILLE / REGISTER
	EXHAUST AIR GRILLE / REGISTER		
DOUBLE LINE DUCTWORK			
	NEW DUCTWORK		NEW DUCTWORK RAN IN RATED ASSEMBLY
	RADIUS ELBOW		MITERED ELBOW WITH TURNING VANES
	90 DEGREE RETURN AIR ELBOW UP/DOWN		90 DEGREE SUPPLY AIR ELBOW UP/DOWN
	SIZE TRANSITION		90 DEGREE EXHAUST AIR ELBOW UP/DOWN
	SHAPE TRANSITION		ROUND DUCT TAKEOFF
	TEE WITH SQUARE ELBOWS, TURNING VANES, AND SPLITTER DAMPER		FLEXIBLE DUCT TAP
	RECTANGULAR DUCT BEVELED TAP		ROUND DUCT TAKEOFF WITH DAMPER

MECHANICAL LINETYPE LEGEND

	GENERAL NEW
	DUCT INSULATED IN TRUSS SPACE
	GENERAL EXISTING
CD	CONDENSATE DRAIN

ALL OTHER LINETYPES DENOTED WITH:
(AB) = ABANDONED; (D) = DEMO; (EX) = EXISTING

MECHANICAL SHEET INDEX

Sheet Number	Sheet Name
M001	MECHANICAL COVER SHEET
M111	FIRST FLOOR MECHANICAL PLAN - AREA A & B
M112	FIRST FLOOR MECHANICAL PLAN - AREA C
M121	SECOND FLOOR MECHANICAL PLAN - AREA A & B
M122	SECOND FLOOR MECHANICAL PLAN - AREA C
M131	THIRD FLOOR MECHANICAL PLAN - AREA A & B
M132	THIRD FLOOR MECHANICAL PLAN - AREA C
M201	MECHANICAL ROOF PLAN
M401	TYPICAL UNITS MECHANICAL PLANS
M402	ENLARGED MECHANICAL PLANS
M501	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES
M602	MECHANICAL OUTSIDE AIR CALCULATIONS
M801	MECHANICAL COMCHECK

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JOB NO. : PES 25222
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% OWNER REVIEW
DATE : 01/07/26

MECHANICAL COVER SHEET

M001

1/14/2026 3:24:32 PM

GENERAL NOTES:

A. ALL DUCTWORK IS TO BE INSTALLED BELOW THE TRUSSES UNLESS NOTED OTHERWISE.

B. ALL DUCTWORK SHOWN DASHED IS TO BE INSTALLED IN THE TRUSS SPACE

C. COORDINATE ALL DAMPER LOCATIONS AND PENETRATIONS WITH ARCHITECTURAL DRAWINGS.

PLAN NOTES (ALL NOTES MAY NOT APPLY TO ALL PLANS):

1. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. PROVIDE CODE REQUIRED AIR GAP. REFER TO PLUMBING PLANS FOR EXACT LOCATION.
2. ROUTE OUTSIDE AIR DUCTWORK, SIZED PER PLAN, TO EXTERIOR WALL AND TERMINATE VIA WALL CAP. MAINTAIN 10'-0" OF CLEARANCE FROM ALL EXHAUST.
3. ROUTE COMBUSTION AIR AND FLUE PIPING FROM GAS FURNACE TO EXTERIOR WALL. TERMINATE VIA CONCENTRIC VENT KIT.
4. ROUTE 4"Ø EXHAUST DUCTWORK TO EXTERIOR WALL. PROVIDE CEILING RADIATION DAMPER AT THE RATED CEILING MEMBRANE PENETRATION. TERMINATE WITH WALL CAP.
5. CONNECT OUTSIDE AIR LOUVER TO MECHANICAL EQUIPMENT AND MOUNT ON EXTERIOR WALL. MAINTAIN 10'-0" OF CLEARANCE FROM ALL EXHAUST.
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7. ROUTE 8"Ø OUTSIDE AIR INTAKE DUCTWORK FROM MECHANICAL UNIT TO EXTERIOR WALL CAP AS SHOWN. PROVIDE FIRE SMOKE/DAMPER AT RATED LID PENETRATION.
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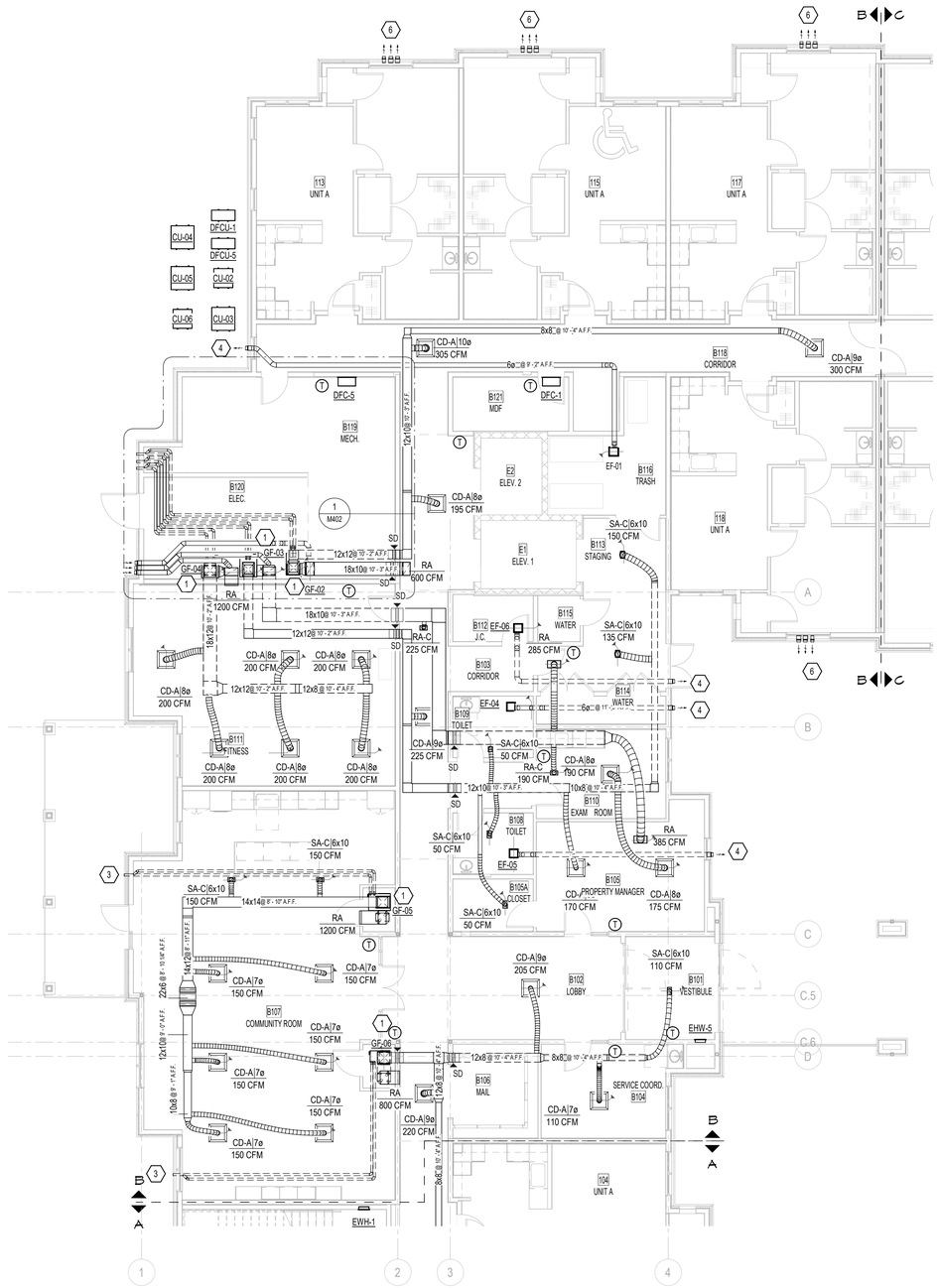
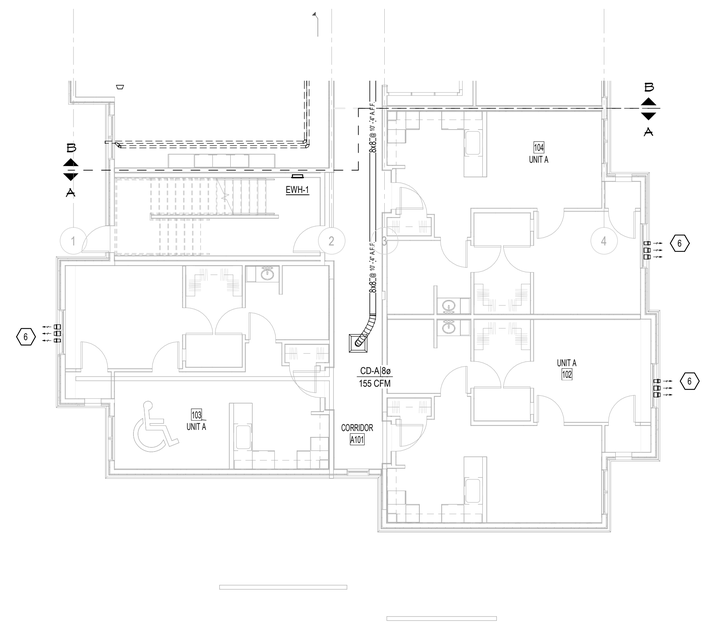
10. ROUTE UNIT EXHAUST DUCTWORK UP THROUGH ROOF. TERMINATE WITH ROOF CAP.



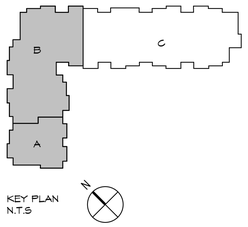
2 FIRST FLOOR - MECHANICAL PLAN - AREA B

1/8" = 1'-0"



1 FIRST FLOOR - MECHANICAL PLAN - AREA A

1/8" = 1'-0"



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FIRST FLOOR MECHANICAL PLAN - AREA A & B

M111

1/14/2026 3:24:35 PM

GENERAL NOTES:

A. ALL DUCTWORK IS TO BE INSTALLED BELOW THE TRUSSES UNLESS NOTED OTHERWISE.

B. ALL DUCTWORK SHOWN DASHED IS TO BE INSTALLED IN THE TRUSS SPACE

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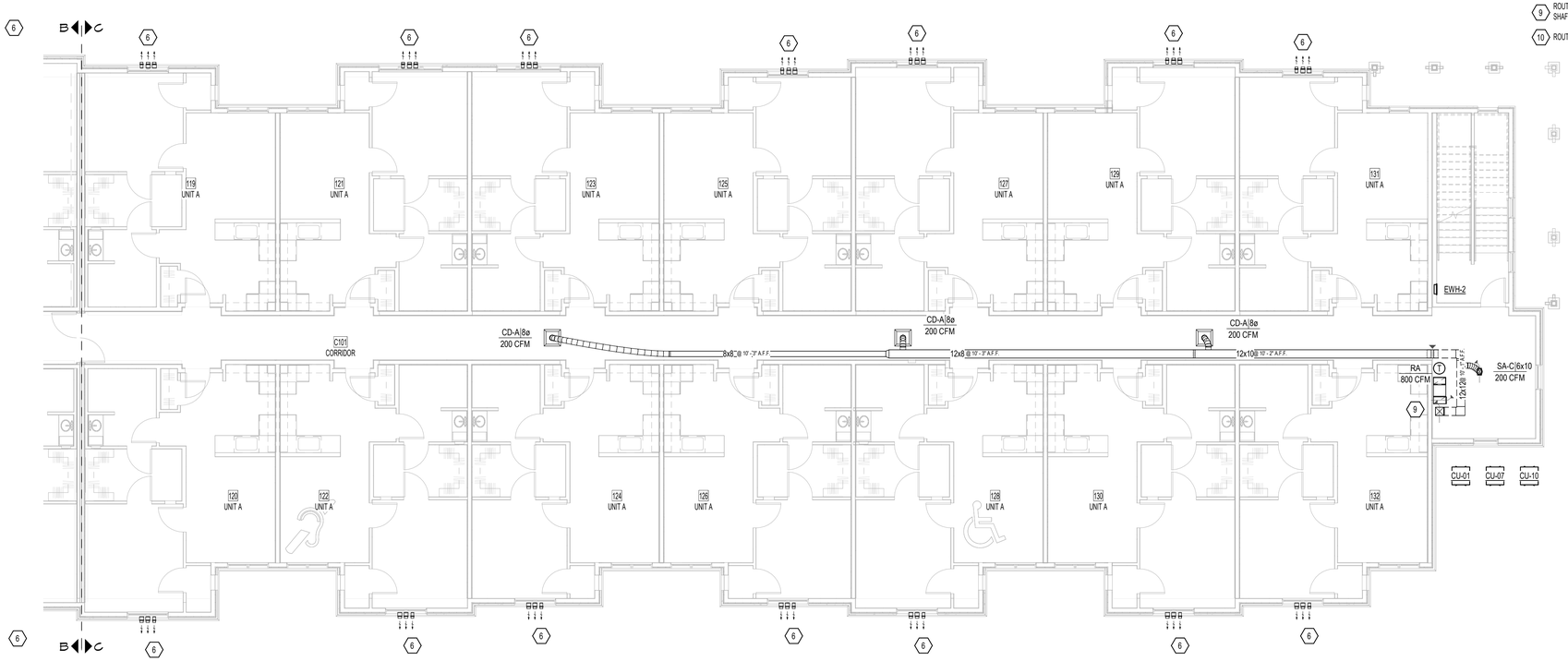
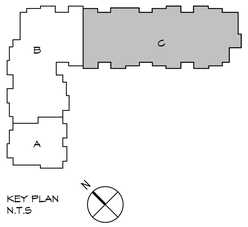


1 FIRST FLOOR - MECHANICAL PLAN - AREA C

1/8" = 1'-0"



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FIRST FLOOR MECHANICAL PLAN - AREA C

M112

1/14/2026 3:24:36 PM

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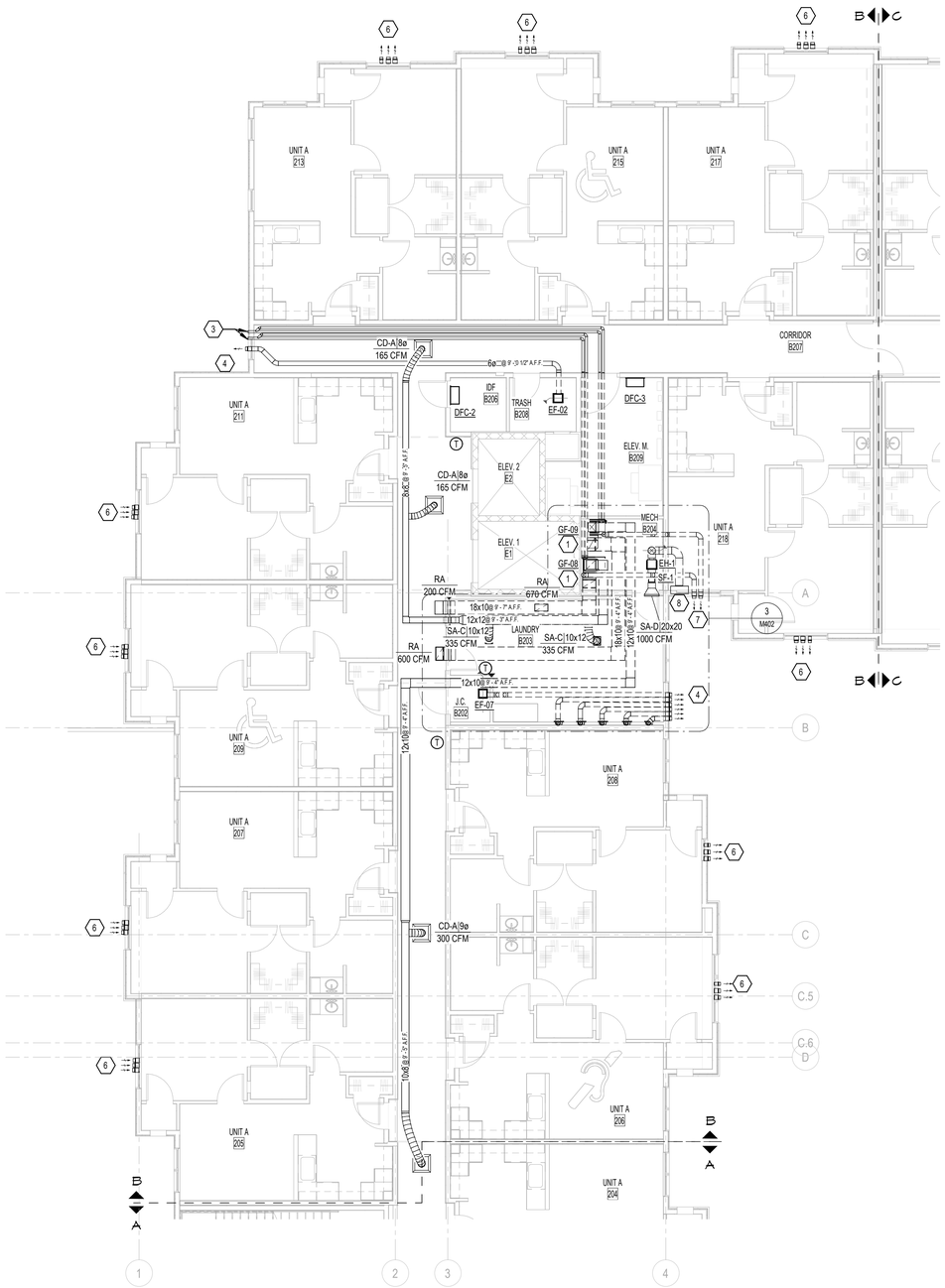
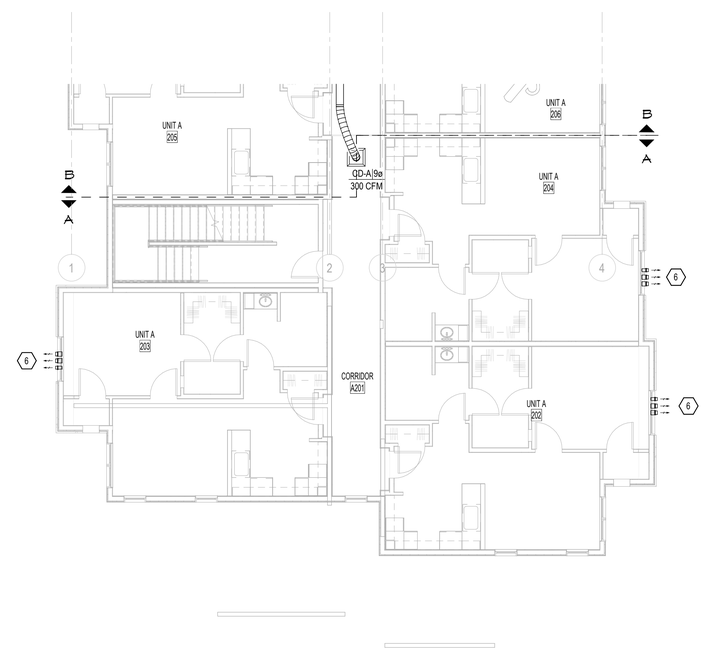


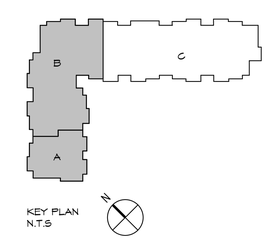
2 SECOND FLOOR - MECHANICAL PLAN - AREA B

1/8" = 1'-0"



1 SECOND FLOOR - MECHANICAL PLAN - AREA A

1/8" = 1'-0"



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SECOND FLOOR MECHANICAL PLAN - AREA A & B

M121

1/14/2026 3:24:30 PM

GENERAL NOTES:

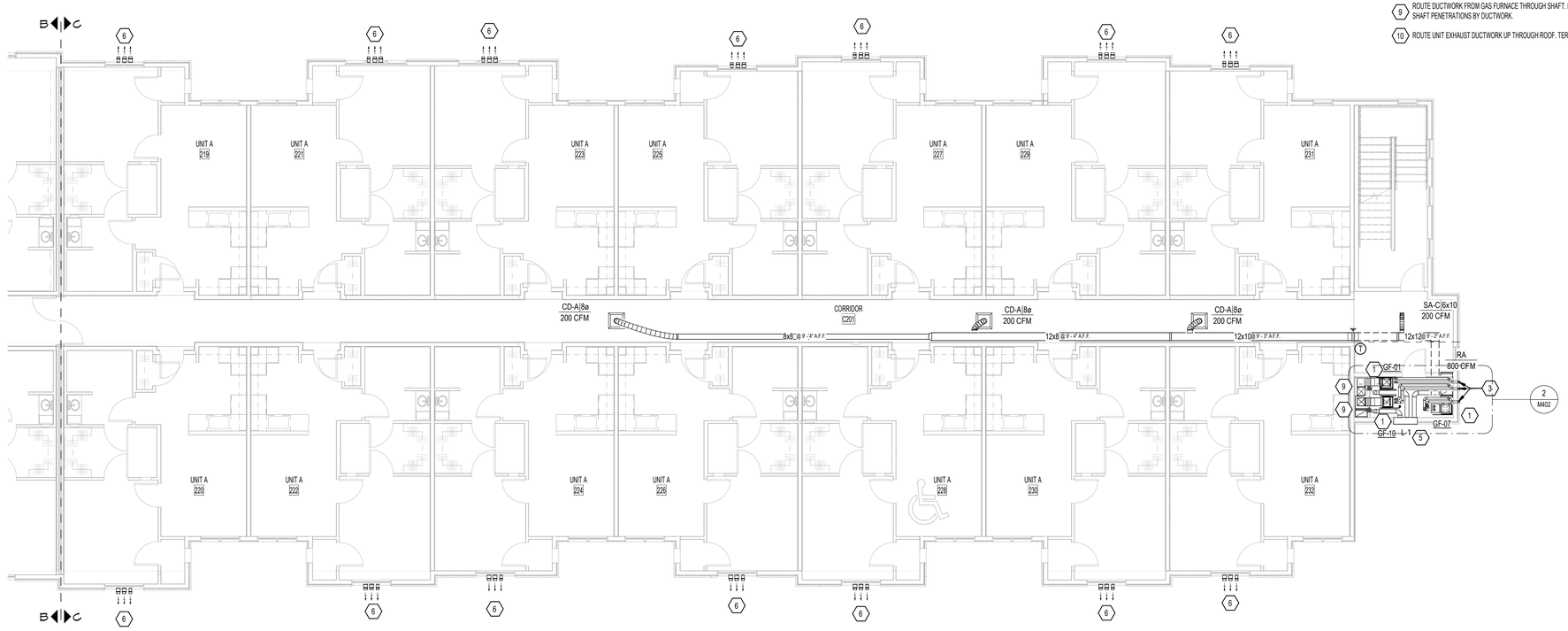
A. ALL DUCTWORK IS TO BE INSTALLED BELOW THE TRUSSES UNLESS NOTED OTHERWISE.

B. ALL DUCTWORK SHOWN DASHED IS TO BE INSTALLED IN THE TRUSS SPACE

C. COORDINATE ALL DAMPER LOCATIONS AND PENETRATIONS WITH ARCHITECTURAL DRAWINGS.

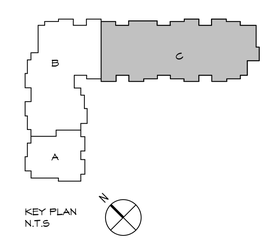
PLAN NOTES (ALL NOTES MAY NOT APPLY TO ALL PLANS):

1. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. PROVIDE CODE REQUIRED AIR GAP. REFER TO PLUMBING PLANS FOR EXACT LOCATION.
2. ROUTE OUTSIDE AIR DUCTWORK, SIZED PER PLAN, TO EXTERIOR WALL AND TERMINATE VIA WALL CAP. MAINTAIN 10'-0" OF CLEARANCE FROM ALL EXHAUST.
3. ROUTE COMBUSTION AIR AND FLUE PIPING FROM GAS FURNACE TO EXTERIOR WALL. TERMINATE VIA CONCENTRIC VENT KIT.
4. ROUTE 4"Ø EXHAUST DUCTWORK TO EXTERIOR WALL. PROVIDE CEILING RADIATION DAMPER AT THE RATED CEILING MEMBRANE PENETRATION. TERMINATE WITH WALL CAP.
5. CONNECT OUTSIDE AIR LOUVER TO MECHANICAL EQUIPMENT AND MOUNT ON EXTERIOR WALL. MAINTAIN 10'-0" OF CLEARANCE FROM ALL EXHAUST.
6. EXHAUST AIR DUCT TO BE TERMINATED AT THIS LOCATION. REFER TO MECHANICAL UNIT PLANS FOR MORE INFORMATION. MAINTAIN CODE REQUIRED 10'-0" FROM ANY OUTSIDE AIR INTAKE DUCT TERMINATIONS.
7. ROUTE 8"Ø OUTSIDE AIR INTAKE DUCTWORK FROM MECHANICAL UNIT TO EXTERIOR WALL CAP AS SHOWN. PROVIDE FIRE SMOKE/DAMPER AT RATED LID PENETRATION.
8. ROUTE MAKEUP AIR DUCTWORK TO EXTERIOR WALL AND TERMINATE VIA LOUVER. MAINTAIN 10'-0" CLEARANCE FROM ALL EXHAUST.
9. ROUTE DUCTWORK FROM GAS FURNACE THROUGH SHAFT. PROVIDE FIRE/SMOKE DAMPER AT ALL SHAFT PENETRATIONS BY DUCTWORK.
10. ROUTE UNIT EXHAUST DUCTWORK UP THROUGH ROOF. TERMINATE WITH ROOF CAP.



1 SECOND FLOOR - MECHANICAL PLAN - AREA C

1/8" = 1'-0"



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SECOND FLOOR MECHANICAL PLAN - AREA C

M122

1/14/2026 3:24:40 PM

GENERAL NOTES:

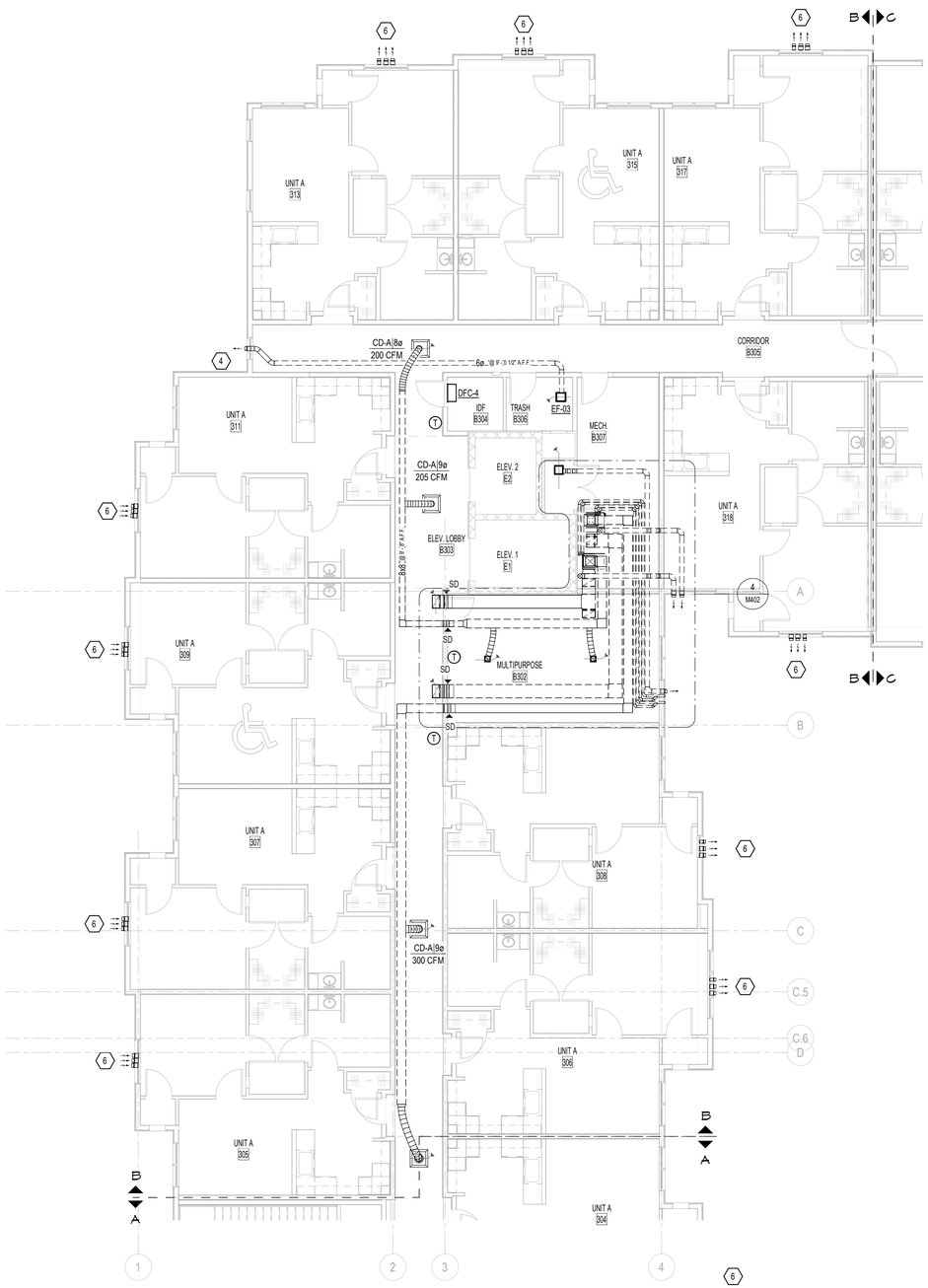
A. ALL DUCTWORK IS TO BE INSTALLED BELOW THE TRUSSES UNLESS NOTED OTHERWISE.

B. ALL DUCTWORK SHOWN DASHED IS TO BE INSTALLED IN THE TRUSS SPACE

C. COORDINATE ALL DAMPER LOCATIONS AND PENETRATIONS WITH ARCHITECTURAL DRAWINGS.

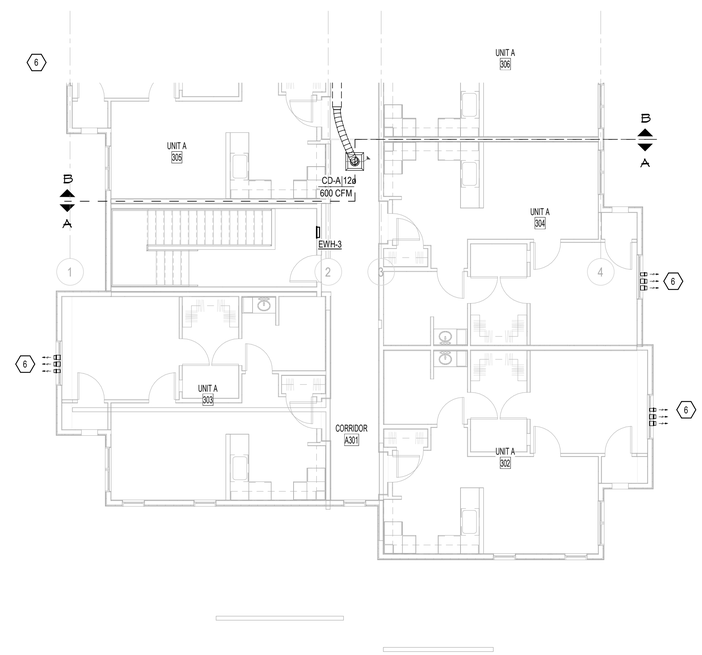
PLAN NOTES (ALL NOTES MAY NOT APPLY TO ALL PLANS):

1. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. PROVIDE CODE REQUIRED AIR GAP. REFER TO PLUMBING PLANS FOR EXACT LOCATION.
2. ROUTE OUTSIDE AIR DUCTWORK, SIZED PER PLAN, TO EXTERIOR WALL AND TERMINATE VIA WALL CAP. MAINTAIN 10'-0" OF CLEARANCE FROM ALL EXHAUST.
3. ROUTE COMBUSTION AIR AND FLUE PIPING FROM GAS FURNACE TO EXTERIOR WALL. TERMINATE VIA CONCENTRIC VENT KIT.
4. ROUTE 4"Ø EXHAUST DUCTWORK TO EXTERIOR WALL. PROVIDE CEILING RADIATION DAMPER AT THE RATED CEILING MEMBRANE PENETRATION. TERMINATE WITH WALL CAP.
5. CONNECT OUTSIDE AIR LOUVER TO MECHANICAL EQUIPMENT AND MOUNT ON EXTERIOR WALL. MAINTAIN 10'-0" OF CLEARANCE FROM ALL EXHAUST.
6. EXHAUST AIR DUCT TO BE TERMINATED AT THIS LOCATION. REFER TO MECHANICAL UNIT PLANS FOR MORE INFORMATION. MAINTAIN CODE REQUIRED 10'-0" FROM ANY OUTSIDE AIR INTAKE DUCT TERMINATIONS.
7. ROUTE 8"Ø OUTSIDE AIR INTAKE DUCTWORK FROM MECHANICAL UNIT TO EXTERIOR WALL CAP AS SHOWN. PROVIDE FIRE SMOKE/DAMPER AT RATED LID PENETRATION.
8. ROUTE MAKEUP AIR DUCTWORK TO EXTERIOR WALL AND TERMINATE VIA LOUVER. MAINTAIN 10'-0" CLEARANCE FROM ALL EXHAUST.
9. ROUTE DUCTWORK FROM GAS FURNACE THROUGH SHAFT. PROVIDE FIRE/SMOKE DAMPER AT ALL SHAFT PENETRATIONS BY DUCTWORK.
10. ROUTE UNIT EXHAUST DUCTWORK UP THROUGH ROOF. TERMINATE WITH ROOF CAP.



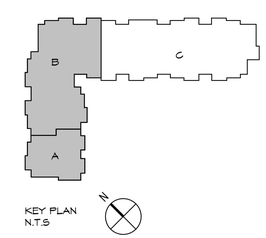
2 THIRD FLOOR - MECHANICAL PLAN - AREA B

1/8" = 1'-0"



1 THIRD FLOOR - MECHANICAL PLAN - AREA A

1/8" = 1'-0"



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THIRD FLOOR MECHANICAL PLAN - AREA A & B

M131

1/14/2026 3:24:41 PM

GENERAL NOTES:

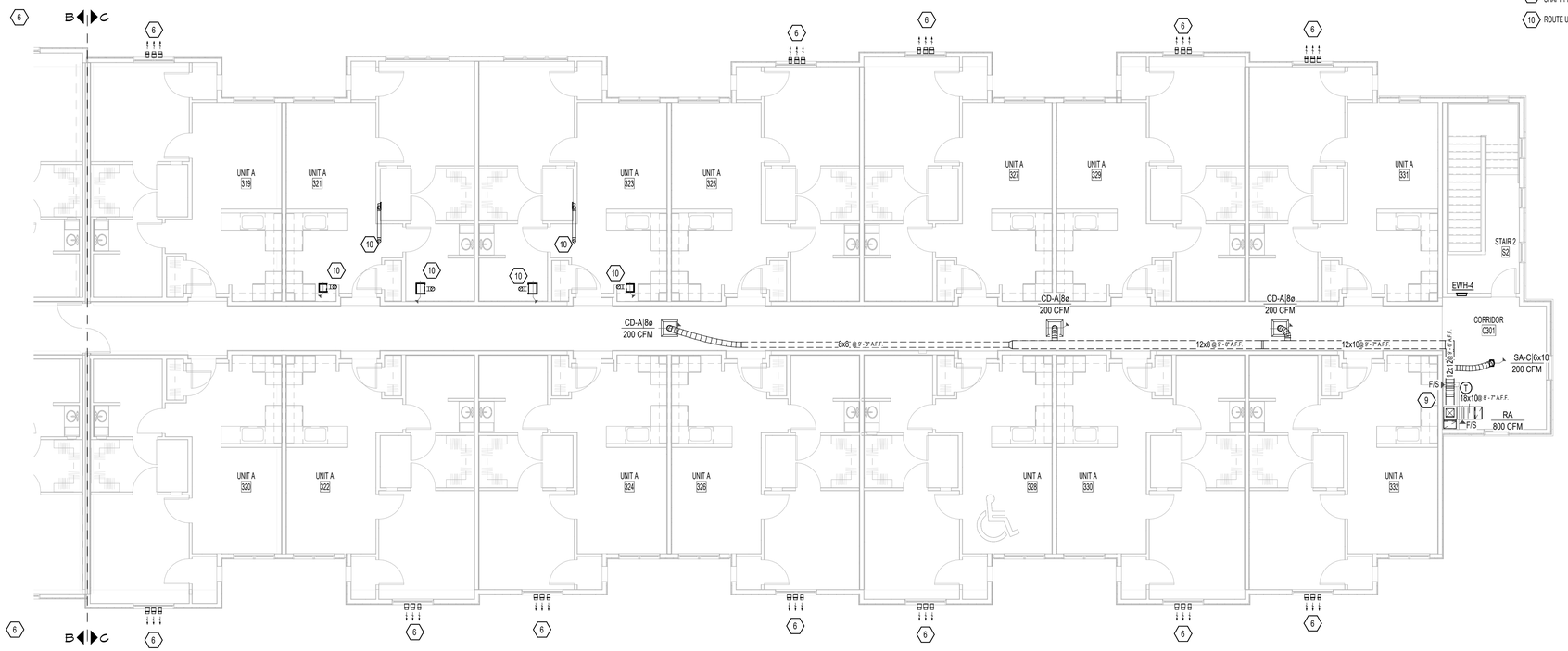
A. ALL DUCTWORK IS TO BE INSTALLED BELOW THE TRUSSES UNLESS NOTED OTHERWISE.

B. ALL DUCTWORK SHOWN DASHED IS TO BE INSTALLED IN THE TRUSS SPACE

C. COORDINATE ALL DAMPER LOCATIONS AND PENETRATIONS WITH ARCHITECTURAL DRAWINGS.

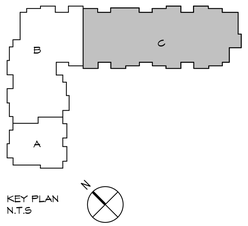
PLAN NOTES (ALL NOTES MAY NOT APPLY TO ALL PLANS):

1. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. PROVIDE CODE REQUIRED AIR GAP. REFER TO PLUMBING PLANS FOR EXACT LOCATION.
2. ROUTE OUTSIDE AIR DUCTWORK, SIZED PER PLAN, TO EXTERIOR WALL AND TERMINATE VIA WALL CAP. MAINTAIN 10'-0" OF CLEARANCE FROM ALL EXHAUST.
3. ROUTE COMBUSTION AIR AND FLUE PIPING FROM GAS FURNACE TO EXTERIOR WALL. TERMINATE VIA CONCENTRIC VENT KIT.
4. ROUTE 4"Ø EXHAUST DUCTWORK TO EXTERIOR WALL. PROVIDE CEILING RADIATION DAMPER AT THE RATED CEILING MEMBRANE PENETRATION. TERMINATE WITH WALL CAP.
5. CONNECT OUTSIDE AIR LOUVER TO MECHANICAL EQUIPMENT AND MOUNT ON EXTERIOR WALL. MAINTAIN 10'-0" OF CLEARANCE FROM ALL EXHAUST.
6. EXHAUST AIR DUCT TO BE TERMINATED AT THIS LOCATION. REFER TO MECHANICAL UNIT PLANS FOR MORE INFORMATION. MAINTAIN CODE REQUIRED 10'-0" FROM ANY OUTSIDE AIR INTAKE DUCT TERMINATIONS.
7. ROUTE 8"Ø OUTSIDE AIR INTAKE DUCTWORK FROM MECHANICAL UNIT TO EXTERIOR WALL CAP AS SHOWN. PROVIDE FIRE SMOKE/DAMPER AT RATED LID PENETRATION.
8. ROUTE MAKEUP AIR DUCTWORK TO EXTERIOR WALL AND TERMINATE VIA LOUVER. MAINTAIN 10'-0" CLEARANCE FROM ALL EXHAUST.
9. ROUTE DUCTWORK FROM GAS FURNACE THROUGH SHAFT. PROVIDE FIRE/SMOKE DAMPER AT ALL SHAFT PENETRATIONS BY DUCTWORK.
10. ROUTE UNIT EXHAUST DUCTWORK UP THROUGH ROOF. TERMINATE WITH ROOF CAP.



1 THIRD FLOOR - MECHANICAL PLAN - AREA C

1/8" = 1'-0"



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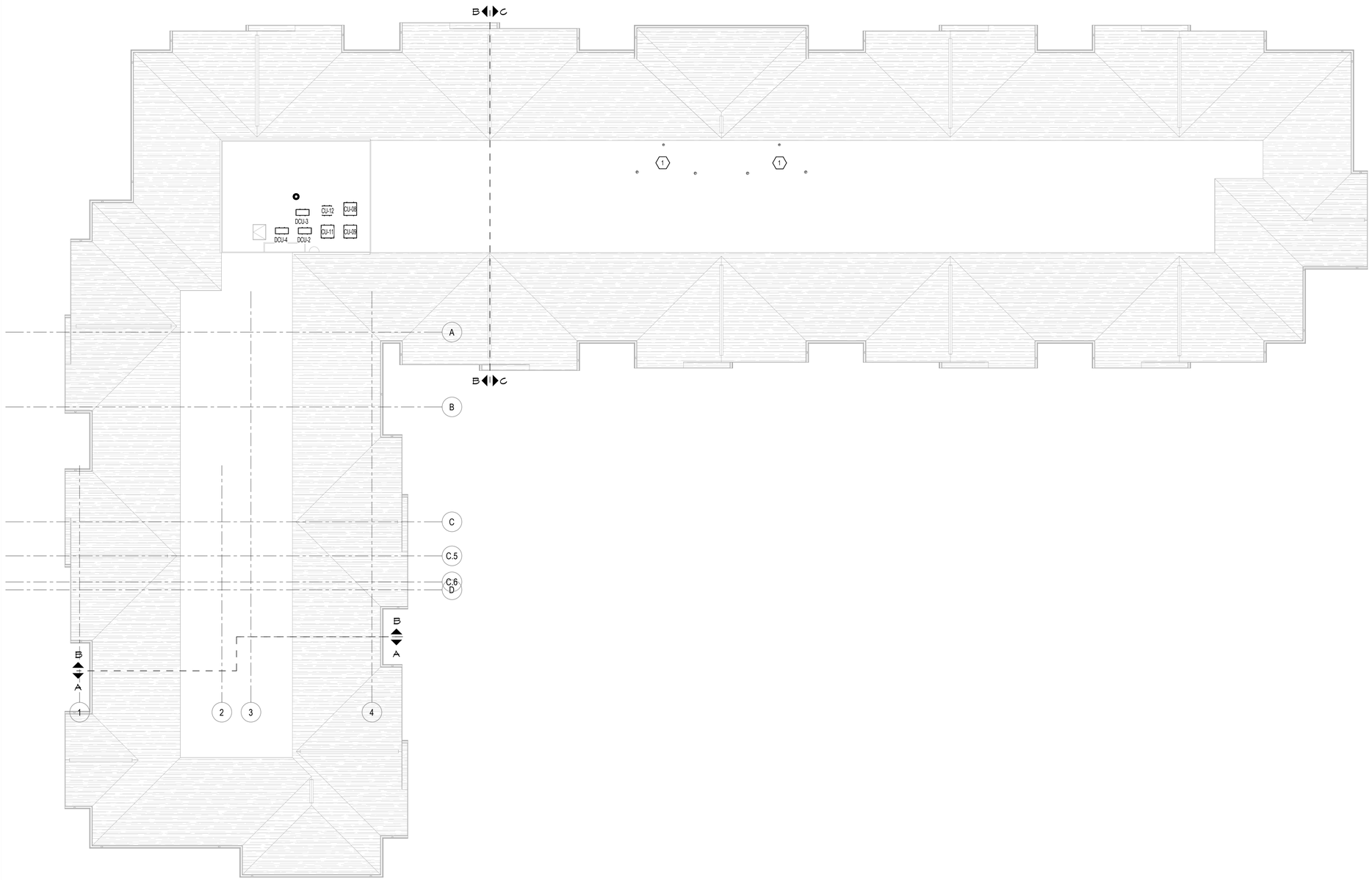
THIRD FLOOR MECHANICAL PLAN - AREA C

M132

1/14/2026 3:24:42 PM

PLAN NOTES:

1 EXHAUST AIR OUTLET UP THROUGH ROOF. TERMINATE VIA ROOF CAP. MAINTAIN 10'-0" CLEARANCE FROM ALL MECHANICAL INTAKES. REFERENCE SHEET M131 FOR DUCTWORK CONTINUATION.



1 MECHANICAL ROOF PLAN

3/32" = 1'-0"

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MECHANICAL ROOF PLAN

M201

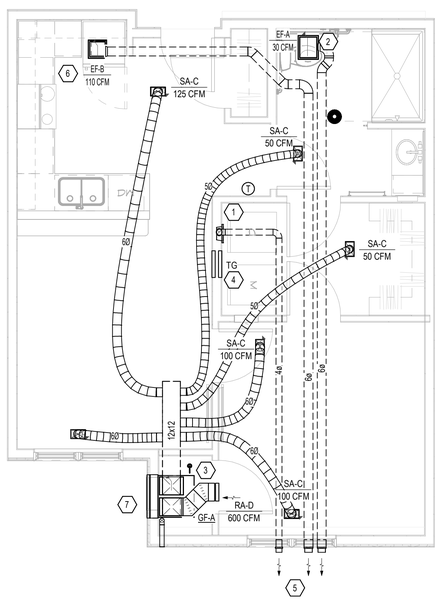
1/14/2026 3:24:43 PM

PLAN NOTES:

1. ROUTE 4"Ø DRYER EXHAUST FROM VENT BOX UP THROUGH WALL WITH FIRE CAULK AT TOP PLATE PENETRATION. ROUTE THROUGH STRUCTURE TO EXTERIOR WALL CAP. REFER TO OVERALL FLOOR PLANS FOR EXHAUST ROUTING ON UPPER FLOORS.
2. MOUNT EXHAUST FAN IN CEILING OF BATHROOM. PROVIDE CEILING RADIATION DAMPER AT RATED CEILING MEMBRANE PENETRATION. ROUTE 4"Ø EXHAUST DUCT FROM EXHAUST FAN THROUGH STRUCTURE TO EXTERIOR WALL CAP. REFER TO OVERALL FLOOR PLANS FOR EXHAUST ROUTING ON UPPER FLOORS.
3. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. PROVIDE CODE REQUIRED AIR GAP. REFER TO PLUMBING PLANS FOR EXACT LOCATION OF FLOOR DRAIN.
4. PROVIDE RETURN GRILLE IN WALL. COORDINATE WITH ARCHITECT FOR MOUNTING HEIGHT.
5. EXHAUST TERMINATIONS SHALL MAINTAIN A MINIMUM OF 10'-0" CLEARANCE FROM AIR INTAKES.
6. MOUNT EXHAUST FAN IN CEILING OF KITCHEN. PROVIDE CEILING RADIATION DAMPER AT RATED CEILING MEMBRANE PENETRATION. ROUTE 6"Ø EXHAUST DUCT FROM EXHAUST FAN THROUGH STRUCTURE TO EXTERIOR WALL CAP. REFER TO OVERALL FLOOR PLANS FOR EXHAUST ROUTING ON UPPER FLOORS.
7. PROVIDE OUTSIDE AIR LOUVER TO SERVE MECHANICAL UNIT. MAINTAIN A MINIMUM OF 10'-0" CLEARANCE FROM AIR EXHAUSTS

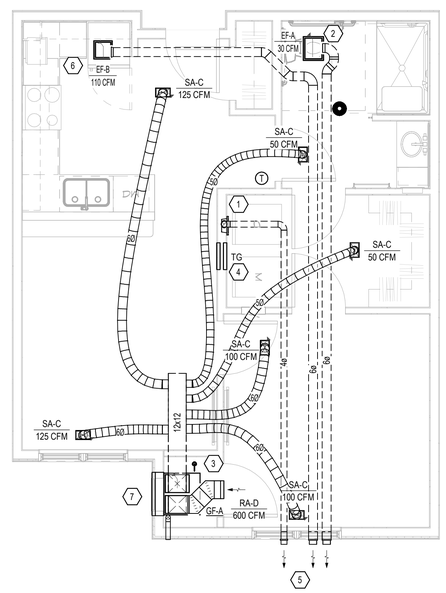
GENERAL NOTES:

1. ALL RIGID DUCTWORK TO BE MOUNTED AT SIMILAR ELEVATION. COORDINATE EXACT ELEVATION WITH ARCHITECT.



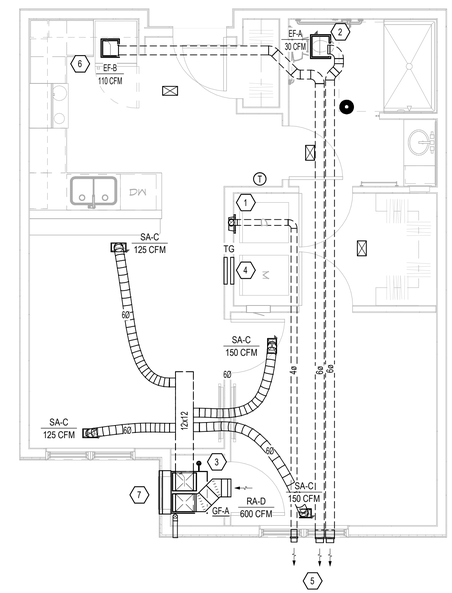
3 TYPICAL UNIT A TYPE B MECHANICAL PLAN

1/4" = 1'-0"



2 TYPICAL UNIT A TYPE A MECHANICAL UNIT PLAN

1/4" = 1'-0"



1 TYPICAL UNIT A MECHANICAL UNIT PLAN

1/4" = 1'-0"

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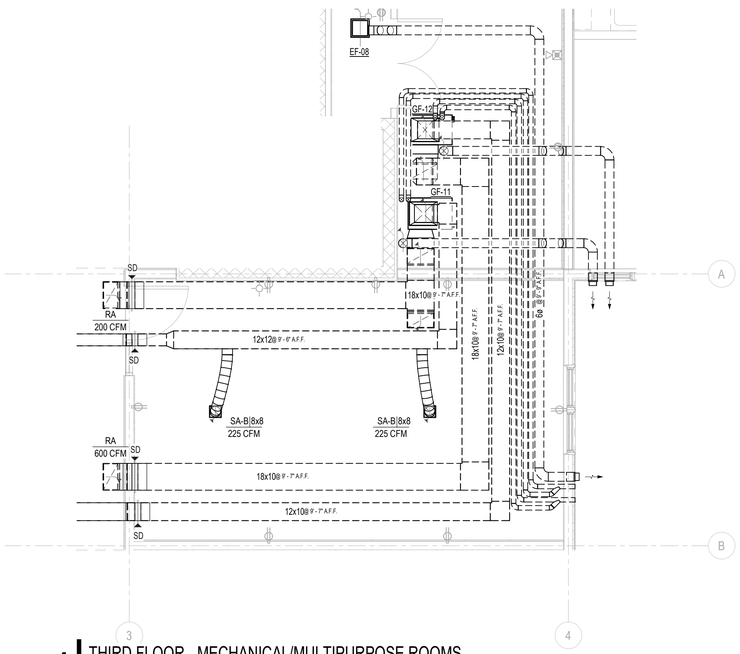
TYPICAL UNITS MECHANICAL PLANS

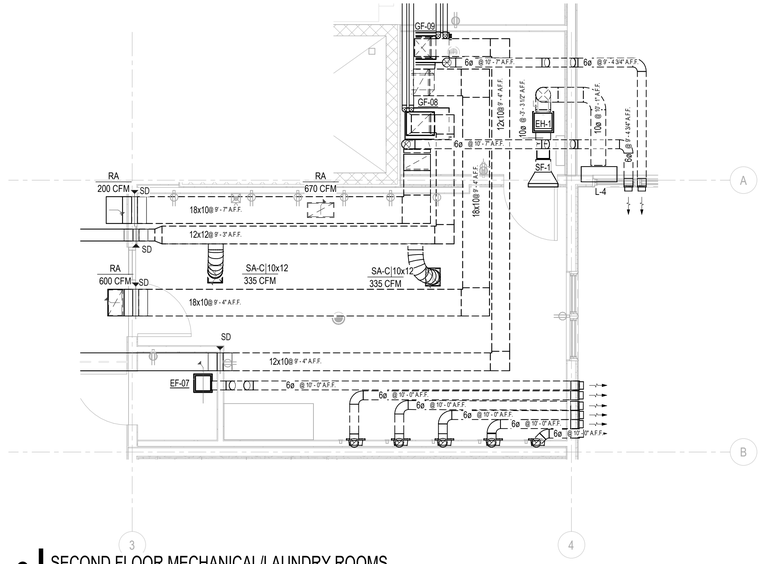
M401

1/14/2026 3:24:44 PM



4 THIRD FLOOR - MECHANICAL/MULTIPURPOSE ROOMS

1/4" = 1'-0"



3 SECOND FLOOR MECHANICAL/LAUNDRY ROOMS

1/4" = 1'-0"

GENERAL NOTES:

A. ALL DUCTWORK IS TO BE INSTALLED BELOW THE TRUSSES UNLESS NOTED OTHERWISE.

B. ALL DUCTWORK SHOWN DASHED IS TO BE INSTALLED IN THE TRUSS SPACE

C. COORDINATE ALL DAMPER LOCATIONS AND PENETRATIONS WITH ARCHITECTURAL DRAWINGS.

PLAN NOTES (ALL NOTES MAY NOT APPLY TO ALL PLANS):

1. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. PROVIDE CODE REQUIRED AIR GAP. REFER TO PLUMBING PLANS FOR EXACT LOCATION.
2. ROUTE OUTSIDE AIR DUCTWORK, SIZED PER PLAN, TO EXTERIOR WALL AND TERMINATE VIA WALL CAP. MAINTAIN 10'-0" OF CLEARANCE FROM ALL EXHAUST.
3. ROUTE COMBUSTION AIR AND FLUE PIPING FROM GAS FURNACE TO EXTERIOR WALL. TERMINATE VIA CONCENTRIC VENT KIT.
4. ROUTE 4"Ø EXHAUST DUCTWORK TO EXTERIOR WALL. PROVIDE CEILING RADIATION DAMPER AT THE RATED CEILING MEMBRANE PENETRATION. TERMINATE WITH WALL CAP.
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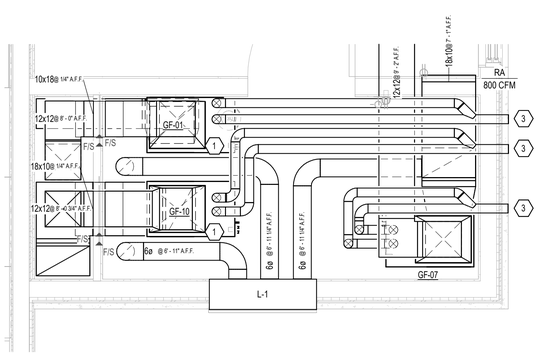
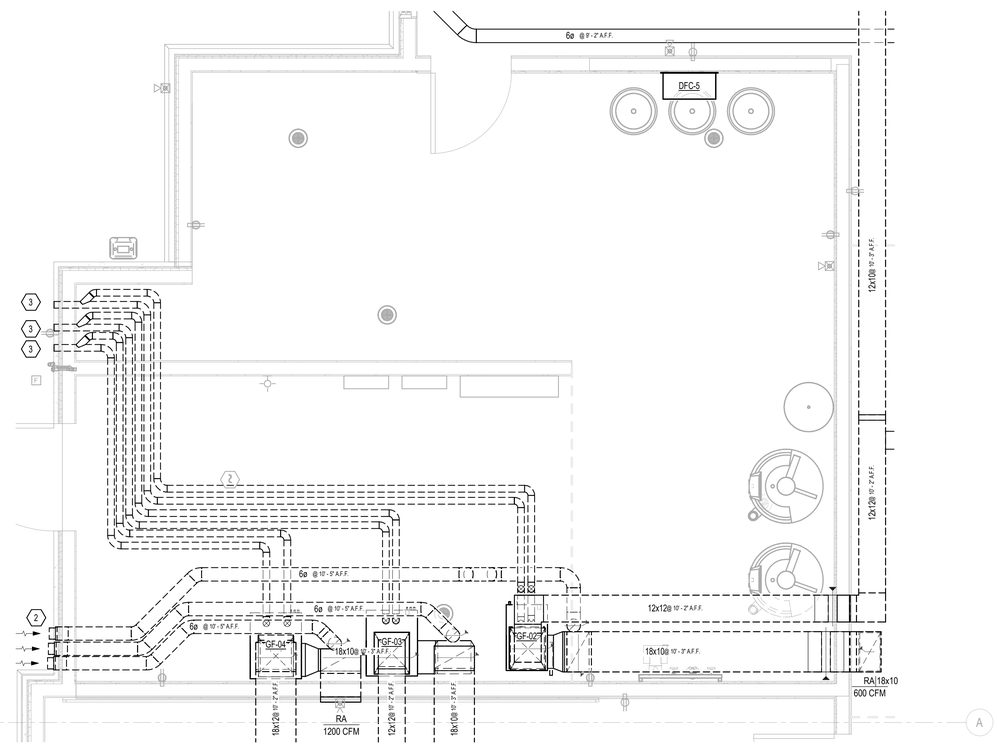
8. ROUTE MAKEUP AIR DUCTWORK TO EXTERIOR WALL AND TERMINATE VIA LOUVER. MAINTAIN 10'-0" CLEARANCE FROM ALL EXHAUST.
9. ROUTE DUCTWORK FROM GAS FURNACE THROUGH SHAFT. PROVIDE FIRE/SMOKE DAMPER AT ALL SHAFT PENETRATIONS BY DUCTWORK.
10. ROUTE UNIT EXHAUST DUCTWORK UP THROUGH ROOF. TERMINATE WITH ROOF CAP.



2 SECOND FLOOR MECHANICAL ROOM

1/2" = 1'-0"



1 FIRST FLOOR MECHANICAL ROOM

3/8" = 1'-0"

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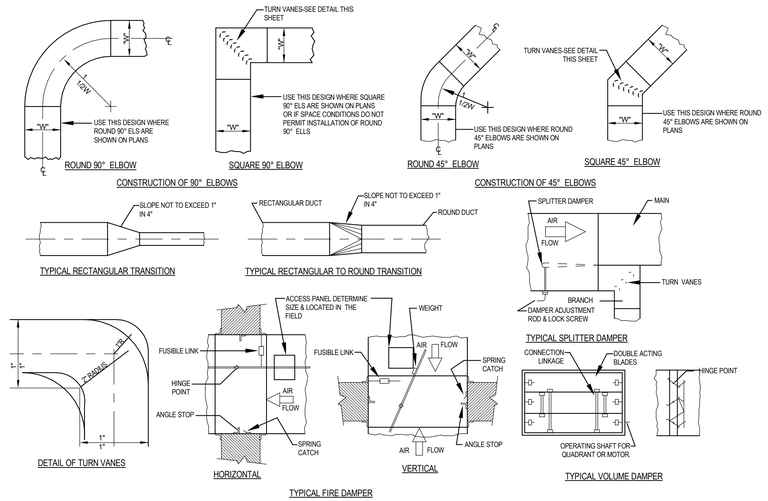
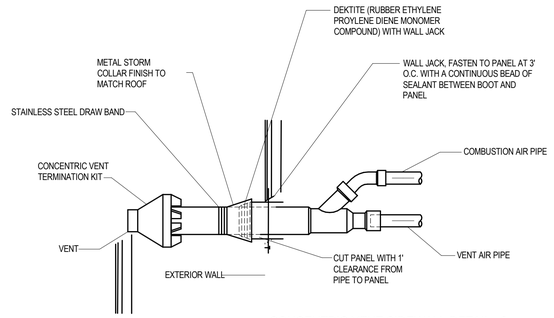
ENLARGED MECHANICAL PLANS

M402

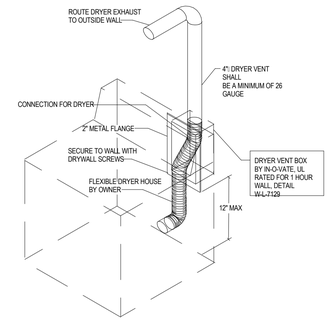
1/14/2026 3:24:46 PM



TYPICAL DUCT DETAILS | 10
NTS | M501

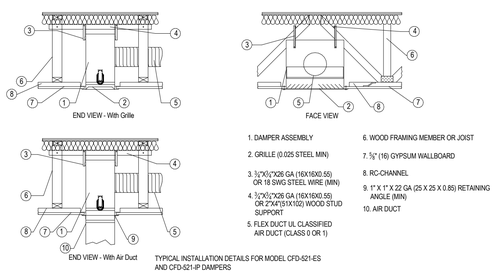


CONCENTRIC VENT SIDEWALL DETAIL | 9
NTS | M501

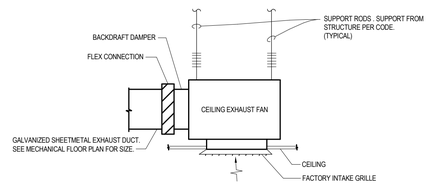


NOTES:
1. PROVIDE RATED BOX WHEN INSTALLED IN RATED WALL.
2. COORDINATE VENT BOX LOCATION W/ DRYER OUTLET.

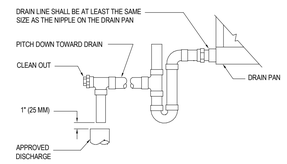
DRYER VENT DROP BOX DETAIL | 8
NTS | M501



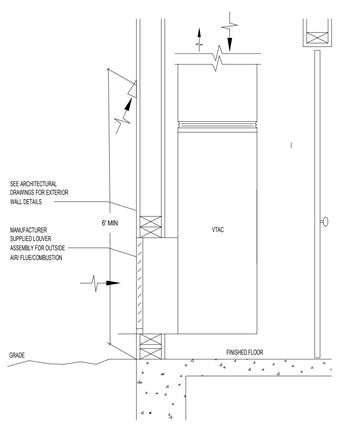
TYPICAL FIRE-RATED CEILING DIFFUSER | 7
NTS | M501



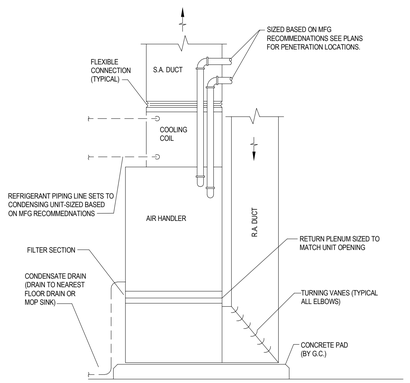
CEILING EXHAUST FAN DETAIL | 6
NTS | M501



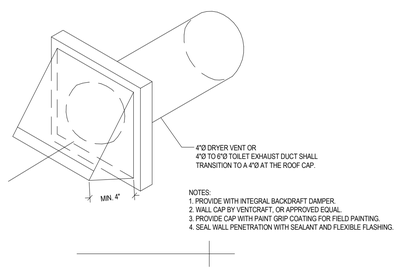
CONDENSATE DRAIN PIPING DETAIL | 5
NTS | M501



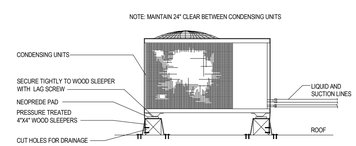
TYPICAL VTAC DETAIL | 4
NTS | M501



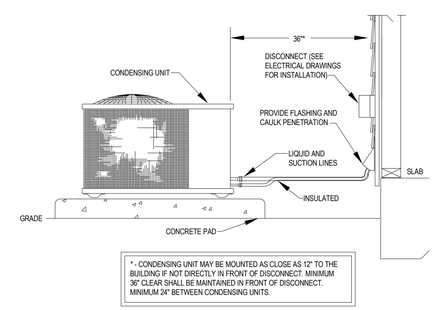
TYPICAL VERTICAL AIR HANDLER IN CLOSET DETAIL | 3
NTS | M501



NOTES:
1. PROVIDE WITH INTEGRAL BACKDRAFT DAMPER.
2. WALL CAP BY VENTCRAFT, OR APPROVED EQUAL.
3. PROVIDE CAP WITH PAINT GRIP COATING FOR FIELD PAINTING.
4. SEAL WALL PENETRATION WITH SEALANT AND FLEXIBLE FLASHING.



TYPICAL ROOF MOUNTED OUTDOOR UNIT | 2
NTS | M501



*- CONDENSING UNIT MAY BE MOUNTED AS CLOSE AS 12" TO THE BUILDING IF NOT DIRECTLY IN FRONT OF DISCONNECT. MINIMUM 36" CLEAR SHALL BE MAINTAINED IN FRONT OF DISCONNECT. MINIMUM 24" BETWEEN CONDENSING UNITS.

TYPICAL GRADE MOUNTED OUTDOOR UNIT | 1
NTS | M501

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MECHANICAL DETAILS

M501

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ELECTRIC HEATERS

DESIGNATION	SERVES	KW OUT	MANUFACTURER	MODEL NUMBER	ACCESSORIES	VOLT	Ø
EH-1	LAUNDRY MUA	7.5	FANTECH	MUAH 10/10 HEATER 10", 10kW	1,4,5,6,7	208	1
EWH-1	STAIR	3.6	QMARK	AWH4504	1,2,3	208	1
EWH-2	STAIR	3.6	QMARK	AWH4504	1,2,3	208	1
EWH-3	STAIR	3.6	QMARK	AWH4504	1,2,3	208	1
EWH-4	STAIR	3.6	QMARK	AWH4504	1,2,3	208	1
EWH-5	VESTIBULE	3.6	QMARK	AWH4504	1,2,3	208	1

NOTES:
A. MOUNT WALL HEATERS AT 18" AFF UNLESS NOTED OTHERWISE ON PLANS.
B. MOUNT UNIT HEATERS AT 12" BFC UNLESS NOTED OTHERWISE ON PLANS.
C. MOUNT BASEBOARD HEATERS AT FLOOR LEVEL.

ACCESSORIES:
1. FACTORY NON-FUSED DISCONNECT
2. FACTORY INTERNAL THERMOSTAT
3. RECESS TRIM KIT
4. PROVIDE SCR CONTROLS.
5. EH-1 TO BE PROVIDED WITH SF-1
6. PROVIDE WITH AIRFLOW PROVING SWITCH.
7. PROVIDE WITH DUCT MOUNTED THERMOSTAT

DUCTLESS DX SPLIT SYSTEM AIR CONDITIONER

INDOOR UNIT TAG	OUTDOOR UNIT TAG	SERVES	TOTAL CFM	O.A. CFM	COOLING @ AMBIENT (F)	TOTAL COOLING MBH	SENS. COOLING MBH	EAT DB/WB	LAT DB/WB	SEER (EER)	MANUFACTURER	MODEL NUMBER INDOOR / OUTDOOR	ACCESSORIES	ELECTRICAL OUTDOOR VOLT	Ø	MCA	MOCP
DFC-1	DCU-1	MDF	425	0	90	12	9.7	90/73	66/59	20.8 (12)	MITSUBISHI	PKA-A12KA7 / PUY-A12NHA7	1,2,3,4,5	208	1	11	28
DFC-2	DCU-2	IDF	425	0	90	12	9.7	90/73	66/59	20.8 (12)	MITSUBISHI	PKA-A12KA7 / PUY-A12NHA7	1,2,3,4,5	208	1	11	28
DFC-3	DCU-3	ELEV M.	425	0	90	12	9.7	90/73	66/59	20.8 (12)	MITSUBISHI	PKA-A12KA7 / PUY-A12NHA7	1,2,3,4,5	208	1	11	28
DFC-4	DCU-4	IDF	425	0	90	12	9.7	90/73	66/59	20.8 (12)	MITSUBISHI	PKA-A12KA7 / PUY-A12NHA7	1,2,3,4,5	208	1	11	28
DFC-5	DCU-5	WATER	425	0	90	12	9.7	90/73	66/59	20.8 (12)	MITSUBISHI	PKA-A12KA7 / PUY-A12NHA7	1,2,3,4,5	208	1	11	28

NOTES:
A. ALL SYSTEMS SHALL USE R-32 REFRIGERANT.
B. ALL EQUIPMENT SHALL BE INSTALLED SO AS TO MAINTAIN ALL CODE AND MANUFACTURER REQUIRED CLEARANCES FOR SERVICE, ACCESS, AND OPERATION.
C. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

ACCESSORIES:
1. FACTORY WALL SLEEVE
2. WIRED 7-DAY PROGRAMMABLE THERMOSTAT WITH MANUAL OVERRIDE, SETBACK, AND TIME DELAY RELAY.
3. REPLACEABLE AIR FILTER IN INTEGRAL FILTER RACK.
4. CONDENSATE DRAIN KIT.
5. ELECTRICAL SUB-BASE WITH DISCONNECT SWITCH.

FANS

DESIGNATION	SERVES	CONTROL	CFM	ESP (IN WG)	DRIVE TYPE	MOTOR WATTS (HP)	MANUFACTURER	MODEL NUMBER	ACCESSORIES	VOLT	Ø
EF-01	TRASH	SWITCH	80 CFM	0.25	DIRECT	9.5	PANASONIC	FV-0511VKS3S	1,2,3,4,5	120	1
EF-02	TRASH	SWITCH	80 CFM	0.25	DIRECT	9.5	PANASONIC	FV-0511VKS3S	1,2,3,4,5	120	1
EF-03	TRASH	SWITCH	80 CFM	0.25	DIRECT	9.5	PANASONIC	FV-0511VKS3S	1,2,3,4,5	120	1
EF-04	RESTROOM	SWITCH	80 CFM	0.25	DIRECT	9.5	PANASONIC	FV-0511VKS3S	1,2,3,4,5	120	1
EF-05	RESTROOM	SWITCH	80 CFM	0.25	DIRECT	9.5	PANASONIC	FV-0511VKS3S	1,2,3,4,5	120	1
EF-06	J. CL.	SWITCH	80 CFM	0.25	DIRECT	9.5	PANASONIC	FV-0511VKS3S	1,2,3,4,5	120	1
EF-07	J. CL.	SWITCH	80 CFM	0.25	DIRECT	9.5	PANASONIC	FV-0511VKS3S	1,2,3,4,5	120	1
EF-08	J. CL.	SWITCH	80 CFM	0.25	DIRECT	9.5	PANASONIC	FV-0511VKS3S	1,2,3,4,5	120	1
EF-A	RESIDENT UNIT BATH	DUAL	30 CFM	0.25	DIRECT	5.6	PANASONIC	FV-0511VKS3S	1,2,3,4,5	120	1
EF-B	RESIDENT UNIT KITCHEN	SWITCH	110 CFM	0.25	DIRECT	12.9	PANASONIC	FV-0511VKS3S	1,2,4,5,9	120	1
SF-1	LAUNDRY MUA	DRYER	1000 CFM	0.25	DIRECT	49	FANTECH	MUAS 1200	1,2,3,6,7,8	120	1

NOTES:
A. ALL FANS TO HAVE OSHA GUARDS.
B. ALL EQUIPMENT SHALL BE INSTALLED SO AS TO MAINTAIN ALL CODE AND MANUFACTURER REQUIRED CLEARANCES FOR SERVICE, ACCESS, AND OPERATION.
C. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
D. CONTROL TYPE:
CONTINUOUS = ALWAYS ON.
DRYER = DRYER = FAN OPERATES AT 400 CFM WHEN 2 DRYERS ARE RUNNING SIMULTANEOUSLY. FAN OPERATES AT 600 CFM WHEN 3 DRYERS ARE RUNNING SIMULTANEOUSLY.
SWITCH = DEDICATED ON / OFF WALL SWITCH LOCATED IN SPACE SERVED.
DUAL = FAN OPERATES CONTINUOUSLY AT 30 CFM WITH DEDICATED SWITCH FOR 50 CFM OPERATION.

ACCESSORIES:
1. GRAVITY BACKDRAFT DAMPER.
2. GALVANIZED BIRDSCREEN.
3. PRE-WIRED NON-FUSED SERVICE DISCONNECT.
4. SPEED CONTROLLER.
5. CEILING RADIATION DAMPER.
6. VARIABLE FREQUENCY DRIVE.
7.MERV 10 FILTER BOX
8. OUTSIDE AIR ELECTRIC DUCT HEATER EH-1

NATURAL GAS-FIRED DX SPLIT SYSTEMS

INDOOR UNIT TAG	OUTDOOR UNIT TAG	AREA SERVED	NOM. TONS	SUPPLY FAN DATA: SUPPLY AIR	OUTSIDE AIR	MOTOR ESP	MOTOR HP (BHP)	COOLING DATA: AMBIENT COOLING TEMPERATURE (F°)	TOTAL COOLING CAP.	SENS. COOLING CAP.	EAT DB (F°)	EAT WB (F°)	LAT DB (F°)	LAT WB (F°)	SEER2 (EER2)	HEATING DATA: AMBIENT HEATING TEMPERATURE (F°)	GAS INPUT BTUH	GAS OUTPUT BTUH	EAT DB (F°)	LAT DB (F°)	FURNACE EFFICIENCY	MANUFACTURER	COOLING COIL MODEL NUMBER	INDOOR / OUTDOOR MODEL NUMBERS	ACCESSORIES	INDOOR UNIT WEIGHT (LBS.)	OUTDOOR UNIT WEIGHT (LBS.)	ELECTRICAL DATA: INDOOR CIRCUIT #1 VOLTS	Ø	MCA	MOCP	OUTDOOR CIRCUIT VOLTS	Ø	MCA	MOCP
GF-01	CU-1	CORRIDOR	2	800 CFM	72 CFM	0.30 in-wg	0.5	90	22587.0 Btu/h	15444.0 Btu/h	80	67	62	58	15 (12)	5	40000.0 Btu/h	39000.0 Btu/h	62	107	98	TEMPSTAR	EVMSX24M17A	N96MMN0401712A / N5AS524AKAWA	1,2,3,4,5,6,7	130	120	115	1	10 A	15 A	208	1	14 A	20 A
GF-02	CU-2	CORRIDOR	2	800 CFM	48 CFM	0.30 in-wg	0.5	90	22587.0 Btu/h	15444.0 Btu/h	80	67	62	58	15 (12)	5	40000.0 Btu/h	39000.0 Btu/h	64	109	98	TEMPSTAR	EVMSX24M17A	N96MMN0401712A / N5AS524AKAWA	1,2,3,4,5,6,7	130	120	115	1	10 A	15 A	208	1	14 A	20 A
GF-03	CU-3	AMMENITY	3	1200 CFM	86 CFM	0.30 in-wg	0.75	90	32282.0 Btu/h	25254.0 Btu/h	80	67	62	58	15.5 (13.5)	5	60000.0 Btu/h	58000.0 Btu/h	63	106	97	TEMPSTAR	EVMSX36M17A	N96MMN0601716A/ N5AS536AKDWA	1,2,3,4,5,6,7	108	149	115	1	15 A	15 A	208	1	18 A	30 A
GF-04	CU-4	AMMENITY	3	1200 CFM	168 CFM	0.30 in-wg	0.75	90	32282.0 Btu/h	25254.0 Btu/h	80	67	62	58	15.5 (13.5)	5	60000.0 Btu/h	58000.0 Btu/h	59	104	97	TEMPSTAR	EVMSX36M17A	N96MMN0601716A/ N5AS536AKDWA	1,2,3,4,5,6,7	108	149	115	1	15 A	15 A	208	1	18 A	30 A
GF-05	CU-5	AMMENITY	3	1200 CFM	132 CFM	0.30 in-wg	0.75	90	32282.0 Btu/h	25254.0 Btu/h	80	67	62	58	15.5 (13.5)	5	60000.0 Btu/h	58000.0 Btu/h	61	106	97	TEMPSTAR	EVMSX36M17A	N96MMN0601716A/ N5AS536AKDWA	1,2,3,4,5,6,7	108	149	115	1	15 A	15 A	208	1	18 A	30 A
GF-06	CU-6	AMMENITY	2	800 CFM	100 CFM	0.30 in-wg	0.5	90	22587.0 Btu/h	15444.0 Btu/h	80	67	62	58	15 (12)	5	40000.0 Btu/h	39000.0 Btu/h	60	105	98	TEMPSTAR	EVMSX24M17A	N96MMN0401712A / N5AS524AKAWA	1,2,3,4,5,6,7	130	120	115	1	10 A	15 A	208	1	14 A	20 A
GF-07	CU-07	CORRIDOR	2	800 CFM	64 CFM	0.30 in-wg	0.5	90	22587.0 Btu/h	15444.0 Btu/h	80	67	62	58	15 (12)	5	40000.0 Btu/h	39000.0 Btu/h	63	108	98	TEMPSTAR	EVMSX24M17A	N96MMN0401712A / N5AS524AKAWA	1,2,3,4,5,6,7	130	120	115	1	10 A	15 A	208	1	14 A	20 A
GF-08	CU-08	CORRIDOR / LAUNDRY	2.5	1000 CFM	120 CFM	0.30 in-wg	0.5	90	29538.0 Btu/h	22968.0 Btu/h	80	67	61	58	14.5 (12)	5	40000.0 Btu/h	39000.0 Btu/h	60	97	98	TEMPSTAR	EVMSX30M17A	N96MMN0401410A/ N5AS530AKAWA	1,2,3,4,5,6,7	108	149	115	1	10 A	15 A	208	1	17 A	25 A
GF-09	CU-09	CORRIDOR	1.5	600 CFM	42 CFM	0.30 in-wg	0.5	90	17574.0 Btu/h	11993.0 Btu/h	80	67	62	58	14.5 (12)	5	40000.0 Btu/h	39000.0 Btu/h	64	124	98	TEMPSTAR	EVMSX24M17A	N96MMN0401712A / N5AS518AKAWA	1,2,3,4,5,6,7	130	109	115	1	10 A	15 A	208	1	11 A	15 A
GF-10	CU-10	CORRIDOR	2	800 CFM	72 CFM	0.30 in-wg	0.5	90	22587.0 Btu/h	15444.0 Btu/h	80	67	62	58	15 (12)	5	40000.0 Btu/h	39000.0 Btu/h	62	107	98	TEMPSTAR	EVMSX24M17A	N96MMN0401712A / N5AS524AKAWA	1,2,3,4,5,6,7	130	120	115	1	10 A	15 A	208	1	14 A	20 A
GF-11	CU-11	CORRIDOR / MULTIPURPOSE	2.5	1000 CFM	89 CFM	0.30 in-wg	0.5	90	29538.0 Btu/h	22968.0 Btu/h	80	67	61	58	14.5 (12)	5	40000.0 Btu/h	39000.0 Btu/h	62	98	98	TEMPSTAR	EVMSX30M17A	N96MMN0401410A/ N5AS530AKAWA	1,2,3,4,5,6,7	108	149	115	1	10 A	15 A	208	1	17 A	25 A
GF-12	CU-12	CORRIDOR	1.5	600 CFM	36 CFM	0.30 in-wg	0.5	90	17574.0 Btu/h	11993.0 Btu/h	80	67	62	58	14.5 (12)	5	40000.0 Btu/h	39000.0 Btu/h	64	124	98	TEMPSTAR	EVMSX24M17A	N96MMN0401712A / N5AS518AKAWA	1,2,3,4,5,6,7	130	109	115	1	10 A	15 A	208	1	11 A	15 A

NOTES:
A. ALL SYSTEMS SHALL USE R-454B REFRIGERANT.
B. ALL EQUIPMENT SHALL BE INSTALLED SO AS TO MAINTAIN ALL CODE AND MANUFACTURER REQUIRED CLEARANCES FOR SERVICE, ACCESS, AND OPERATION.
C. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
D. ADJUST AIR HANDLER BLOWER SPEED TAP IN FIELD AS NEEDED TO PROVIDE TOTAL CFM SHOWN IN SCHEDULE.
E. PROVIDE MOTORIZED DAMPER FOR OUTSIDE AIR INTAKE DUCTWORK.

ACCESSORIES:
1. FACTORY CONCENTRIC VENT KIT.
2. 7-DAY PROGRAMMABLE THERMOSTAT WITH MANUAL OVER-RIDE, SETBACK, AND TIME DELAY RELAY.
3. MERV 6 FILTER IN INTEGRAL FILTER RACK.
4. FACTORY-MOUNTED THERMAL EXPANSION VALVE IF REQUIRED FOR SPECIFIED SEER RATING.
5. TWO-STAGE HEATING AND VARIABLE SPEED BLOWER.
6. PROVIDE SAFE-T-SWITCH FOR SECONDARY CONDENSATE.
7. LOCKABLE REFRIGERANT SERVICE PORT CAPS.

NATURAL GAS-FIRED VERTICAL TERMINAL AIR CONDITIONERS

DESIGNATION	AREA SERVED	NOM. TONS	SUPPLY FAN DATA: SUPPLY AIR	OUTSIDE AIR	MOTOR ESP	MOTOR HP (BHP)	COOLING DATA: AMBIENT COOLING TEMPERATURE (F°)	TOTAL COOLING CAP.	SENS. COOLING CAP.	EAT DB (F°)	EAT WB (F°)	LAT DB (F°)	LAT WB (F°)	SEER2 (EER2)	HEATING DATA: AMBIENT HEATING TEMPERATURE (F°)	GAS INPUT BTUH	GAS OUTPUT BTUH	EAT DB (F°)	LAT DB (F°)	FURNACE EFFICIENCY	MANUFACTURER	MODEL NUMBER	ACCESSORIES	ELECTRICAL DATA: INDOOR CIRCUIT #1 VOLTS	Ø	MCA	MOCP
GF-A	RESIDENT UNIT	1.5	600 CFM	60 CFM	0.50 in-wg	0.12	90	12000.0 Btu/h	9000.0 Btu/h	80	67	58	56	11.7(10.5)	5	15000.0 Btu/h	12000.0 Btu/h	62	80	80	MAGICPAK	MGE915-7-11-12NP-01A	1,2,3,4,5,6,7,8	1	208	8 A	15 A

NOTES:
A. ALL SYSTEMS SHALL USE R-454B REFRIGERANT.
B. ALL EQUIPMENT SHALL BE INSTALLED SO AS TO MAINTAIN ALL CODE AND MANUFACTURER REQUIRED CLEARANCES FOR SERVICE, ACCESS, AND OPERATION.
C. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ACCESSORIES:
1. FACTORY WALL SLEEVE
2. 7-DAY PROGRAMMABLE THERMOSTAT WITH MANUAL OVER-RIDE, SETBACK, AND TIME DELAY RELAY.
3. MERV 6 FILTER IN INTEGRAL FILTER RACK.
4. ARCHITECTURAL EXTERIOR WALL LOUVER .
5. FACTORY SUB BASE.
6. FACTORY CONDENSATE SLINGER.
7. FACTORY-INSTALLED ELECTRIC HEAT KIT WITH THERMAL OVERLOADS.
8. FACTORY POWER CORD.

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DATE : 01/07/26

MECHANICAL SCHEDULES

M601

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IMC TABLE 403.3 - GF-01

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-01	C101	1139 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	9	68	800 CFM	72
									68	800 CFM	72

IMC TABLE 403.3 - GF-02

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
AHU-02	B117	144 SF	ELEV. LOBBY	0 SF	0	0 CFM	0.06 CFM/SF	6	9	195 CFM	12
GF-02	B118	473 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	6	28	605 CFM	36
									37	800 CFM	48

IMC TABLE 403.3 - GF-03

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-03	B103B	258 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	7	15	240 CFM	17
GF-03	B105	242 SF	PROPERTY MANAGER	200 SF	1.212493	5 CFM	0.06 CFM/SF	7	21	335 CFM	23
GF-03	B105A	53 SF	CL	0 SF	0	0 CFM	0.00 CFM/SF	7	0	50 CFM	4
GF-03	B108	62 SF	TOILET	0 SF	0	0 CFM	0.00 CFM/SF	7	0	50 CFM	4
GF-03	B109	62 SF	RR	0 SF	0	0 CFM	0.00 CFM/SF	7	0	50 CFM	4
GF-03	B110	146 SF	EXAM ROOM	200 SF	0.728883	5 CFM	0.06 CFM/SF	7	12	190 CFM	13
GF-03	B113	206 SF	STAGING	200 SF	1.031407	5 CFM	0.06 CFM/SF	7	18	285 CFM	20
									66	1200 CFM	85

IMC TABLE 403.3 - GF-04

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-04	B111	625 SF	FITNESS	100 SF	6.249989	20 CFM	0.06 CFM/SF	14	162	1200 CFM	168
									162	1200 CFM	168

IMC TABLE 403.3 - GF-05

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-05	B107	1179 SF	COMMUNITY ROOM	100 SF	11.765764	5 CFM	0.06 CFM/SF	11	130	1200 CFM	132
									130	1200 CFM	132

IMC TABLE 403.3 - GF-06

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-06	A101	239 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	12	14	155 CFM	19
GF-06	B101	116 SF	VESTIBULE	100 SF	1.158659	5 CFM	0.06 CFM/SF	12	13	110 CFM	14
GF-06	B102	226 SF	LOBBY	100 SF	2.260603	5 CFM	0.06 CFM/SF	12	25	205 CFM	25
GF-06	B103A	192 SF	LOBBY	100 SF	1.924544	5 CFM	0.06 CFM/SF	12	21	175 CFM	22
GF-06	B104	153 SF	SERVICE CORD.	200 SF	0.76735	5 CFM	0.06 CFM/SF	12	13	110 CFM	14
GF-06	B106	98 SF	MAIL	0 SF	0	0 CFM	0.06 CFM/SF	12	6	45 CFM	6
									92	800 CFM	100

IMC TABLE 403.3 - GF-07

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-07	C201	1069 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	8	64	800 CFM	64
									64	800 CFM	64

IMC TABLE 403.3 - GF-08

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-08	B201B	56 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	12	3	25 CFM	3
GF-08	B203	307 SF	LAUNDRY	100 SF	3.071597	25 CFM	0.00 CFM/SF	12	77	670 CFM	80
GF-08	B205	147 SF	ELEV. LOBBY	0 SF	0	0 CFM	0.06 CFM/SF	12	9	75 CFM	9
GF-08	B207	440 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	12	26	230 CFM	28
									115	1000 CFM	120

IMC TABLE 403.3 - GF-09

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-09	A201	239 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	7	14	300 CFM	21
GF-09	B201A	298 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	7	18	300 CFM	21
									32	600 CFM	42

IMC TABLE 403.3 - GF-10

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-10	C301	1128 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	9	68	800 CFM	72
									68	800 CFM	72

IMC TABLE 403.3 - GF-11

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-11	B301B	89 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	9	5	60 CFM	5
GF-11	B302	348 SF	MULTIPURPOSE	100 SF	3.478089	5 CFM	0.06 CFM/SF	9	38	435 CFM	39
GF-11	B303	147 SF	ELEV. LOBBY	0 SF	0	0 CFM	0.06 CFM/SF	9	9	105 CFM	9
GF-11	B305	440 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	9	26	300 CFM	27
GF-11	B307	219 SF	MECH	0 SF	0	0 CFM	0.00 CFM/SF	9	0	100 CFM	9
									78	1000 CFM	89

IMC TABLE 403.3 - GF-12

UNIT	ROOM NUMBER	AREA	SERVES	AREA / PERSON	NO. OF PEOPLE	OUTSIDE AIR / PERSON	OUTSIDE AIR / AREA	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
GF-12	A301	239 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	6	14	315 CFM	19
GF-12	B301A	265 SF	CORRIDOR	0 SF	0	0 CFM	0.06 CFM/SF	6	16	285 CFM	17
									30	600 CFM	36

IMC TABLE 403.3 - TYPICAL UNIT PLANS

UNIT	AREA	SERVES	VOLUME OF AREA	CFM PER AC/H	NO. OF PEOPLE	OUTSIDE AIR / PERSON	BALANCE OA %	OA REQUIRED	SA PROVIDED	OA PROVIDED
AHU-A	602 SF	UNIT A	4817 CF	0.35	2	15 CFM	5	30	600 CFM	30

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NO.	DATE	REVISION

JOB NO. : PES 25222
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% OWNER REVIEW
DATE : 01/07/26

MECHANICAL OUTSIDE AIR CALCULATIONS

M602

1/14/2026 3:24:44 PM

COM*check* Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: 25222 NCR Salem
Location: Columbus, Ohio
Climate Zone: 4a
Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)

Credits: 10.0 Required 0.0 Proposed

Mechanical Systems List

Quantity	System Type & Description
3	1.5 Ton (Single Zone) Heating: 1 each - Duct Furnace, Gas, Capacity = 40 kBtu/h Proposed Efficiency = 98.00% Ec, Required Efficiency: 80.00 % Ec Cooling: 1 each - Split System, Capacity = 17 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 14.50 SEER2, Required Efficiency = 13.40 SEER2 Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 2 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 2 Supply, Constant Volume, 600 CFM, 0.5 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
4	2 Ton (Single Zone): Heating: 1 each - Duct Furnace, Gas, Capacity = 40 kBtu/h Proposed Efficiency = 98.00% Ec, Required Efficiency: 80.00 % Ec Cooling: 1 each - Split System, Capacity = 22 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 15.00 SEER2, Required Efficiency = 13.40 SEER2 Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 800 CFM, 0.5 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
2	2.5 Ton (Single Zone): Heating: 1 each - Duct Furnace, Gas, Capacity = 40 kBtu/h Proposed Efficiency = 98.00% Ec, Required Efficiency: 80.00 % Ec Cooling: 1 each - Split System, Capacity = 29 kBtu/h, Air-Cooled Condenser, Unknown Economizer Proposed Efficiency = 14.50 SEER2, Required Efficiency = 13.40 SEER2 Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 4 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 3 Supply, Constant Volume, 1000 CFM, 0.5 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
3	3 Ton (Single Zone): Heating: 1 each - Duct Furnace, Gas, Capacity = 60 kBtu/h Proposed Efficiency = 97.00% Ec, Required Efficiency: 80.00 % Ec Cooling: 1 each - Split System, Capacity = 32 kBtu/h, Air-Cooled Condenser, Unknown Economizer Proposed Efficiency = 15.50 SEER2, Required Efficiency = 13.40 SEER2 Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 3 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Quantity	System Type & Description
	Fans: FAN 4 Supply, Constant Volume, 1200 CFM, 0.8 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
5	DFC (Single Zone w/ PerimeterSystem): Cooling: 1 each - Packaged Terminal Unit, Capacity = 12 kBtu/h, Air-Cooled Condenser, Unknown Economizer Proposed Efficiency = 12.00 EER, Required Efficiency = 10.40 EER Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 5 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 5 Supply, Constant Volume, 425 CFM, 0.1 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COM*check* Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2021 IECC

Requirements: 97.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical and service water heating systems and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks. Hot water system sized per manufacturer's sizing guide.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41][1]	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.12.3 [ME61][1]	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.4 [ME142][1]	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.6 [ME143][1]	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.9 [ME144][1]	Large diameter fans where installed shall be tested and labeled in accordance with AMCA 230.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.13.1 [ME71][1]	Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3 [ME55][1]	HVAC equipment efficiency verified.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Mechanical Systems list for values.*
C403.2.2 [ME59][1]	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.1 [ME59][1]	Demand control ventilation provided for spaces >500 ft2 and >15 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.2 [ME115][1]	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.6 [ME141][1]	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.4 [ME57][1]	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.5 [ME116][1]	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.12.1	HVAC ducts and plenums insulated in accordance with C403.11.1 and	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.12.2 [ME60][1]	C403.11.2, verification may need to occur during Foundation Inspection.		
C403.4.1.4 [ME63][1]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3.3 [ME35][1]	Hot gas bypass limited to: <=240 kBtu/h - 50% >240 kBtu/h - 25%	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.2.1 [ME53][1]	Air outlets and zone terminal devices have means for air balancing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3.1	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.11.3.2 [ME123][1]	condensing unit, have fan-powered condensers that comply with Sections C403.11.3.1 and refrigeration compressor systems that comply with C403.11.3.2.		

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.7 [EL26][1]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.8 [EL27][1]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency rating is marked on the motor by manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.9.1 C405.9.2 [EL28][1]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.10 [EL29][1]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.1.1 [EL30][1]	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.11, C405.11.1 [EL31][1]	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.3 [FI8][1]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.1.1 [FI50][1]	HVAC systems and equipment design loads calculated in accordance with ANSI/ASHRAE/ACCA Standard 183 or by an approved equivalent computational procedure	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3.1 [FI27][1]	HVAC systems and equipment capacity does not exceed calculated loads.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.1 [FI47][1]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.2 [FI38][1]	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.3 [FI20][1]	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.2 [FI39][1]	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.2.1, C403.4.2.2 [FI40][1]	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.2.3 [FI41][1]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents shall include manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.1 [FI28][1]	Commissioning plan developed by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.3.1 [FI31][1]	HVAC equipment, systems and system-to-system relationships have been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Unitary or packaged HVAC equipment without supply air economizers.
C408.2.3.2 [FI10][1]	HVAC and service water heating control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.4 [FI29][1]	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5 [FI7][1]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.1 [FI43][1]	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.2 [FI30][1]	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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MECHANICAL COMCHECK

M801

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NOTE: ALL SYMBOLS MAY NOT APPLY (TYPICAL FOR ALL SYMBOL LEGENDS)

ELECTRICAL SYMBOL LEGEND

XX	CODED PLAN NOTE	XX / XXX	DETAIL # / SHEET # — REFERENCE TAG
XX	EQUIPMENT DESIGNATION		
MDP-22	CIRCUIT DESIGNATION / PANEL DESIGNATION - CIRCUIT NUMBER		
K	ELECTRIC UTILITY KEY BOX	$3	WALL SWITCH-NUMBER INDICATES 2 POLE, 3 OR 4 WAY (NO NUMBER FOR SINGLE POLE) LOWER CASE LETTER INDICATES FIXTURE(S) TO BE CONTROLLED BY SWITCH
F/L	FAN/LIGHT COMBINATION FIXTURE	$a	
	EXHAUST FAN	$D	DIMMER SWITCH
J	JUNCTION BOX	$F	CEILING FAN SPEED CONTROL SWITCH
	NON-FUSED DISCONNECT SWITCH	$K	KEY-OPERATED SWITCH
	FUSED DISCONNECT SWITCH	$M	MOTOR RATED DISCONNECT SWITCH
	MOTOR	$OS	OCCUPANCY SENSOR WALL SWITCH
	PUSH BUTTON	$OR	OVERRIDE SWITCH
B	BUZZER/BELL	$PL	SWITCH WITH PILOT LIGHT
LVT	LOW VOLTAGE TRANSFORMER	$T	TIMER SWITCH
	SINGLE RECEPTACLE 20A, 120V	OS	WALL MOUNT OCCUPANCY SENSOR
	SPECIAL RECEPTACLE	OS	CEILING MOUNT OCCUPANCY SENSOR
	DUPLEX RECEPTACLE 20A, 120V	SP	SWITCH PACK FOR OCCUPANCY SENSOR
	QUADRUPLEX RECEPTACLE 20A, 120V	Pc	PHOTOCELL
	GFCI DUPLEX RECEPTACLE 20A, 120V	TC	TIMECLOCK
	GFCI QUADRUPLEX RECEPTACLE 20A, 120V	#A	CURRENT LIMITING DEVICE - NUMBER INDICATES MAX AMPERAGE OF DEVICE
	IG DUPLEX RECEPTACLE 20A, 120V	W	¾" CONDUIT STUB AND BOX FOR WALL PHONE WIRING BY OTHERS
	IG QUADRUPLEX RECEPTACLE 20A, 120V		¾" CONDUIT STUB AND BOX FOR PHONE WIRING BY OTHERS
	SPLIT WIRED DUPLEX RECEPTACLE 20A, 120V		¾" CONDUIT STUB AND BOX FOR DATA WIRING BY OTHERS
	SPLIT WIRED QUADRUPLEX RECEPTACLE 20A, 120V		¾" CONDUIT STUB AND BOX FOR DATA/PHONE WIRING BY OTHERS
TL	TWISTLOCK RECEPTACLE	TV	TELEVISION OUTLET
	FLUSH MTD AS INDICATED BY BOX AROUND DEVICE, FLR=FLOOR, CLG=CEILING	WA	WIRELESS ACCESS
	SURFACE MOUNT PANELBOARD/LOADCENTER	MB	MEDIA BOX DEMARC LOCATION
	FLUSH MOUNT PANELBOARD/LOADCENTER	CO	120V CARBON MONOXIDE ALARM WITH SOUNDER BASE AND BATTERY BACK-UP
M	UTILITY SERVICE METER	SA	120V SMOKE ALARM WITH SOUNDER BASE AND BATTERY BACK-UP
	PLUGMOLD - SEE PLAN VIEW FOR SPECIFIC LENGTHS	SA CO	120V COMBINATION SMOKE ALARM / CARBON MONOXIDE ALARM WITH SOUNDER BASE AND BATTERY BACK-UP
ANNC	GENERATOR ANNUNCIATOR		
PP	POWER POLE		
UPS	UNINTERRUPTIBLE POWER SUPPLY		

ELECTRICAL NOTATIONS

AC	ABOVE COUNTER	LV	LOW VOLTAGE
AFF	ABOVE FINISHED FLOOR	MBJ	MAIN BONDING JUMPER
AFG	ABOVE FINISHED GRADE	MC	MECHANICAL CONTRACTOR
BPS	BOLTED PRESSURE SWITCH	MTD	MOUNTED
CLG	CEILING MOUNTED	NTS	NOT TO SCALE
CKT	CIRCUIT	(PART)	INDICATES CIRCUIT USED ELSEWHERE
EC	ELECTRICAL CONTRACTOR	PC	PLUMBING CONTRACTOR
EM	EMERGENCY	SSBJ	SUPPLY-SIDE BONDING JUMPER
ETR	EXISTING TO REMAIN	SUC	SITE UTILITY CONTRACTOR
FLR	FLOOR MOUNTED	TYP	TYPICAL
FSC	FIRE SUPPRESSION CONTRACTOR	UG	UNDERGROUND
GC	GENERAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	WP	WEATHERPROOF
GFEP	GROUND FAULT EQUIPMENT PROTECTION	WG	WIRE GUARD
GND	GROUND	WR	WEATHER RESISTANT
HC	HVAC CONTRACTOR	XX"	DIMENSIONED HEIGHT
IG	ISOLATED GROUND		

FIRE ALARM SYMBOL LEGEND

FACP	FIRE ALARM CONTROL PANEL	NAC #	NOTIFICATION CIRCUIT POWER BOOSTER PANEL # = UNIT NUMBER
FAA	FIRE ALARM ANNUNCIATOR	BATT	BATTERY CABINET
EVAC	VOICE EVACUATION CONTROL UNIT	ARCM	AREA OF REFUGE EM COMMUNICATION SYSTEM - MASTER UNIT
MIC	REMOTE VOICE EVACUATION MICROPHONE	ARCR	AREA OF REFUGE EM COMMUNICATION SYSTEM - REMOTE UNIT
F	MANUAL PULL STATION	AIM	ADDRESSABLE INPUT MODULE
	SMOKE DETECTOR		HEAT DETECTOR
	SMOKE DETECTOR IN DUCT	RTS	REMOTE TEST STATION
FD	FIRE DEPARTMENT KEY BOX	V	VIBRATING BELL
H	HORN		HORN STROBE COMBINATION
	WALL MOUNT STROBE		CEILING MOUNT STROBE
H	CEILING MOUNT HORN		CEILING MOUNT HORN STROBE COMBINATION
WF	WATER FLOW SWITCH	DH	DOOR HOLDER
VS	VALVE SUPERVISORY SWITCH	DCL	DOOR CLOSER
PS	PRESSURE SWITCH		

ELECTRICAL LINETYPE LEGEND

	SWITCH LEG
UGE	UNDERGROUND ELECTRIC
LV	LOW VOLTAGE
UGLV	UNDERGROUND LOW VOLTAGE

MAIN ELECTRICAL GENERAL NOTES:

A. ALL ELECTRICAL INSTALLATIONS MUST COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL STATE AND LOCAL CODES.

B. ELECTRICAL SERVICE TO BE INSTALLED IN COMPLIANCE WITH NEC ARTICLE 230.

C. CONTRACTOR SHALL OBTAIN FAULT CURRENT INFORMATION FROM UTILITY COMPANY AND PERFORM SHORT CIRCUIT CALCULATIONS. SIZE FUSES AND EQUIPMENT A.I.C. RATINGS ACCORDINGLY.

D. CONTRACTOR SHALL INSTALL A SEPARATE EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC TABLE 250.122 FOR ALL BRANCH CIRCUITS INSTALLED IN NON-METALLIC CONDUITS. METALLIC CONDUITS MAY BE USED AS EQUIPMENT GROUNDING CONDUCTORS PER NEC.

E. CONTRACTOR SHALL VERIFY ALL WIRE SIZING DUE TO VOLTAGE DROP CAUSED BY IN-FIELD ROUTING / INSTALLATION DISTANCES.

F. SERVICE ENTRANCE EQUIPMENT SHALL BE GROUNDED WITH A SEPARATE COPPER OR ALUMINUM CONDUCTOR AS INDICATED ON THE DRAWINGS AND PER NEC ARTICLE 250.52(A). GROUNDING CONDUCTOR SHALL ALSO BE CONNECTED TO A 5/8" DIAMETER X 8'-0" LONG GROUND ROD FOR SUPPLEMENTAL GROUNDING PER NEC ARTICLE 250.54.

G. CONTRACTOR IS RESPONSIBLE FOR LABELING ALL PANELS, DISCONNECTS, LIGHTING CONTROLLERS, ETC., AND ALL CIRCUIT BREAKERS IN THE DISTRIBUTION PANELS PRIOR TO PROJECT COMPLETION. PROVIDE A TYPED DIRECTORY OF ALL CIRCUITS. BREAKERS USED FOR SWITCHING SHALL BE RATED ACCORDINGLY.

H. CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEC REQUIRED EQUIPMENT DISCONNECTS (NOT ALL DISCONNECTS MAY BE SHOWN ON THE DRAWINGS). CONTRACTOR SHALL VERIFY ALL DISCONNECT SIZING WITH EACH EQUIPMENT NAMEPLATE RATING.

I. CONTRACTOR IS RESPONSIBLE TO SECURE AND PAY FOR ALL PERMITS. CONTRACTOR SHALL COMPLY WITH ALL STATE, LOCAL, AND NATIONAL CODES. CONTRACTOR SHALL SCHEDULE INSPECTIONS SO JOB PROGRESS IS NOT DELAYED.

J. CONTRACTOR SHALL SUPPLY AND INSTALL ALL EQUIPMENT IN NEW CONDITION AND U.L. LISTED UNLESS NOTED OTHERWISE.

K. CONTRACTOR SHALL MAKE ARRANGEMENTS WITH LOCAL POWER COMPANY FOR THE INSTALLATION OF NEW ELECTRICAL SERVICE AND METER. INSTALL NEW SERVICE DISTRIBUTION EQUIPMENT AS SPECIFIED ON ELECTRICAL DRAWINGS.

L. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES AND ARCHITECTURAL DRAWINGS TO ELIMINATE CONFLICTS.

M. PRIOR TO CONSTRUCTION START, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND OPERATION MANUALS FOR ALL EQUIPMENT AND ACCESSORIES FOR OWNER APPROVAL.

N. CONTRACTOR SHALL PERFORM ALL WORK IN A NEAT AND PROFESSIONAL MANNER.

O. PROVIDE FLEXIBLE CONDUIT FOR ALL VIBRATING EQUIPMENT. PROVIDE FLEXIBLE CONDUIT FOR LIGHT FIXTURE CONNECTIONS.

P. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ELECTRICAL EQUIPMENT INFORMATION WITH MANUFACTURERS. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL ELECTRICAL CONNECTIONS OR SERVICES TO EQUIPMENT WHICH ARE NOT SHOWN ON DRAWINGS.

Q. ALL PENETRATIONS OF WALL, ROOF, AND CEILINGS TO BE SEALED AS REQUIRED WITH U.L. APPROVED FIRE SEALANT TO MAINTAIN FIRE RATING AS REQUIRED. ALL ROOF PENETRATIONS, IF APPLICABLE, ARE TO BE COORDINATED WITH THE OWNER'S DESIGNATED ROOFING CONTRACTOR.

R. ELECTRICAL EQUIPMENT EXPOSED TO WEATHER CONDITIONS SHALL BE WEATHERPROOF TYPE. CONDUIT EXPOSED TO WEATHER CONDITIONS OR IN CONTACT WITH CONCRETE SHALL BE POLYVINYL CHLORIDE (PVC) OR GALVANIZED HEAVY WALL STEEL (GRC).

S. ALL EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT AS WELL AS WEATHERPROOF PER NEC 406.9.

T. CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS TO THE OWNER IF INSTALLATION VARIES FROM THE CONTRACT DRAWINGS.

U. ANY CONDUIT AND WIRE SIZES SHOWN ARE MINIMUMS. CONTRACTOR SHALL INCREASE SIZES (DUE TO VOLTAGE DROP, QUANTITY OF CURRENT CARRYING CONDUCTORS IN THE SAME CONDUIT/RACEWAY, ETC.) AS REQUIRED BY THE NEC.

V. ROOFTOP EQUIPMENT (IF APPLICABLE): CONTRACTOR SHALL INSTALL A WEATHERPROOF DISCONNECT FOR EACH UNIT. CONDUITS SHALL ENTER THE UNDERSIDE OF EACH HVAC UNIT FROM WITHIN THE CURBED AREA FOR THAT UNIT (THEREBY AVOIDING PENETRATIONS THROUGH THE ROOF MEMBRANE). IF J-BOX IS USED FOR SUPPLYING POWER TO MULTIPLE UNITS, THE J-BOX MUST BE LOCATED WITHIN 25 FEET OF EACH UNIT'S DISCONNECT PER THE NE.C. ARTICLE 240.21(B)(2). CONTRACTOR SHALL SUPPLY AND INSTALL A 120 VAC WEATHERPROOF GFCI RECEPTACLE WITHIN 25' OF EACH UNIT.

W. ALL CONTRACTORS, PRIOR TO BID SUBMISSION PROCESS, SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITIONS THAT DIFFER FROM THAT SHOWN ON THIS PLAN SHALL BE REPORTED TO THE ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATIONS TO SCOPE OF WORK WHICH RESULT FROM CONTRACTOR'S NEGLECT TO VISIT THE SITE PRIOR TO BID SUBMISSION SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY.

SPECIAL NOTES:

- THE WORK TO BE PERFORMED ON THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE BUILD AMERICA, BUY AMERICA (BABA) ACT AND SHALL ENSURE THAT ALL IRON, STEEL, MANUFACTURED PRODUCTS, AND CONSTRUCTION MATERIALS USED ARE PRODUCED WITHIN THE UNITED STATES, UNLESS OTHERWISE EXEMPT OR SUBJECT TO AN APPROVED WAIVER.
- DOCUMENTATION SHALL BE MAINTAINED THAT DEMONSTRATES THE FOLLOWING:
  - a. ALL THE IRON, STEEL, MANUFACTURED PRODUCTS, AND CONSTRUCTION MATERIALS USED ARE PRODUCED IN THE UNITED STATES IN ACCORDANCE WITH HUD'S PHASED IMPLEMENTATION WAIVER, OR
  - b. THE PROJECT IS COVERED BY A HUD GENERAL WAIVER AND IS THERFORE EXEMPT FROM THE BUY AMERICA PREFERENCE (BAP), OR
  - c. A PROJECT / PRODUCT SPECIFIC WAIVER WAS REVIEWED BY HUD AND APPROVED BY THE MADE IN AMERICA OFFICE (MIAO).

ELECTRICAL SHEET INDEX

SHEET NO.	SHEET DESCRIPTION
E001	ELECTRICAL COVER SHEET
E002	SITE ELECTRICAL PLAN
E003	SITE PHOTOMETRIC
E004	SITE LIGHTING INFORMATION
E005	SITE LIGHTING INFORMATION
E006	SITE LIGHTING INFORMATION
E007	SITE LIGHTING INFORMATION
E008	SITE LIGHTING INFORMATION
E111	FIRST FLOOR LIGHTING PLANS
E112	FIRST FLOOR LIGHTING PLAN
E121	SECOND FLOOR LIGHTING PLANS
E122	SECOND FLOOR LIGHTING PLAN
E131	THIRD FLOOR LIGHTING PLANS
E132	THIRD FLOOR LIGHTING PLAN
E211	FIRST FLOOR POWER PLANS
E212	FIRST FLOOR POWER PLAN
E221	SECOND FLOOR POWER PLANS
E222	SECOND FLOOR POWER PLAN
E231	THIRD FLOOR POWER PLANS
E232	THIRD FLOOR POWER PLAN
E241	ROOF POWER PLAN
E311	FIRST FLOOR FIRE ALARM PLANS
E312	FIRST FLOOR FIRE ALARM PLAN
E321	SECOND FLOOR FIRE ALARM PLANS
E322	SECOND FLOOR FIRE ALARM PLAN
E331	THIRD FLOOR FIRE ALARM PLANS
E332	THIRD FLOOR FIRE ALARM PLAN
E401	TYPICAL UNIT ELECTRICAL PLANS
E501	ELECTRICAL DETAILS
E502	ELECTRICAL DETAILS
E503	ELECTRICAL DETAILS
E504	ELECTRICAL DETAILS
E601	ELECTRICAL SCHEDULES
E602	PANEL SCHEDULES
E701	ELECTRICAL ONE-LINE DIAGRAM
E801	ENERGY CODE COMPLIANCE
E802	ENERGY CODE COMPLIANCE

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NO.	DATE	REVISION

JOB NO. : PES 25222
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% OWNER REVIEW
DATE : 01/07/26

ELECTRICAL COVER SHEET

E001

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GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. SEE MAIN ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

C. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO ROUGH-IN.

D. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL FIXTURES AND DEVICES PRIOR TO ROUGH-IN.

E. VERIFY THE COLOR OF ALL FIXTURES, DEVICES, AND COVER PLATES WITH OWNER.

F. PROVIDE PHOTOCELL CONTROL THROUGH THE LIGHTING CONTROL PANEL FOR ALL EXTERIOR LIGHTING AND SIGNAGE. COORDINATE ALL SETTINGS WITH OWNER.

G. ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE THE EXACT LOCATIONS OF ALL UTILITY COMPANY CONNECTION POINTS AND REQUIREMENTS. VERIFY ALL REQUIREMENTS WITH LOCAL UTILITY COMPANIES.

PLAN NOTES:

1. PROPOSED LOCATION OF UTILITY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL PROVIDE CONCRETE PAD PER LOCAL UTILITY COMPANY SPECIFICATIONS. PROTECTION BOLLARDS SHALL BE BY GENERAL CONTRACTOR. FINAL LOCATION SHALL BE AS DETERMINED BY LOCAL UTILITY COMPANY.

2. PROVIDE (2) 4" CONDUITS TO UTILITY EASEMENT FOR PRIMARY ELECTRIC CABLING. COORDINATE EXACT LOCATION AND ROUTING WITH UTILITY COMPANY. PRIMARY ELECTRIC CABLING, INSTALLATIONS, TERMINATIONS, ETC. BY LOCAL UTILITY COMPANY.

3. PROVIDE CONDUIT AND SECONDARY SERVICE CONDUCTORS FOR ELECTRICAL SERVICE. SEE RISER DIAGRAM FOR CONDUIT AND FEEDER SIZES.

4. PROPOSED LOCATION OF ELECTRICAL SERVICE EQUIPMENT.

5. PROVIDE (2) 4" CONDUITS AND (1) 2" CONDUIT WITH PULL STRING FOR INCOMING TELECOMMUNICATIONS SERVICES. FIELD VERIFY CONDUIT BUILDING ENTRANCE LOCATION, AND CONDUIT ROUTING WITHIN BUILDING PRIOR TO BID. COORDINATE ALL REQUIREMENTS WITH OWNER/ARCHITECT AND SERVING UTILITY.

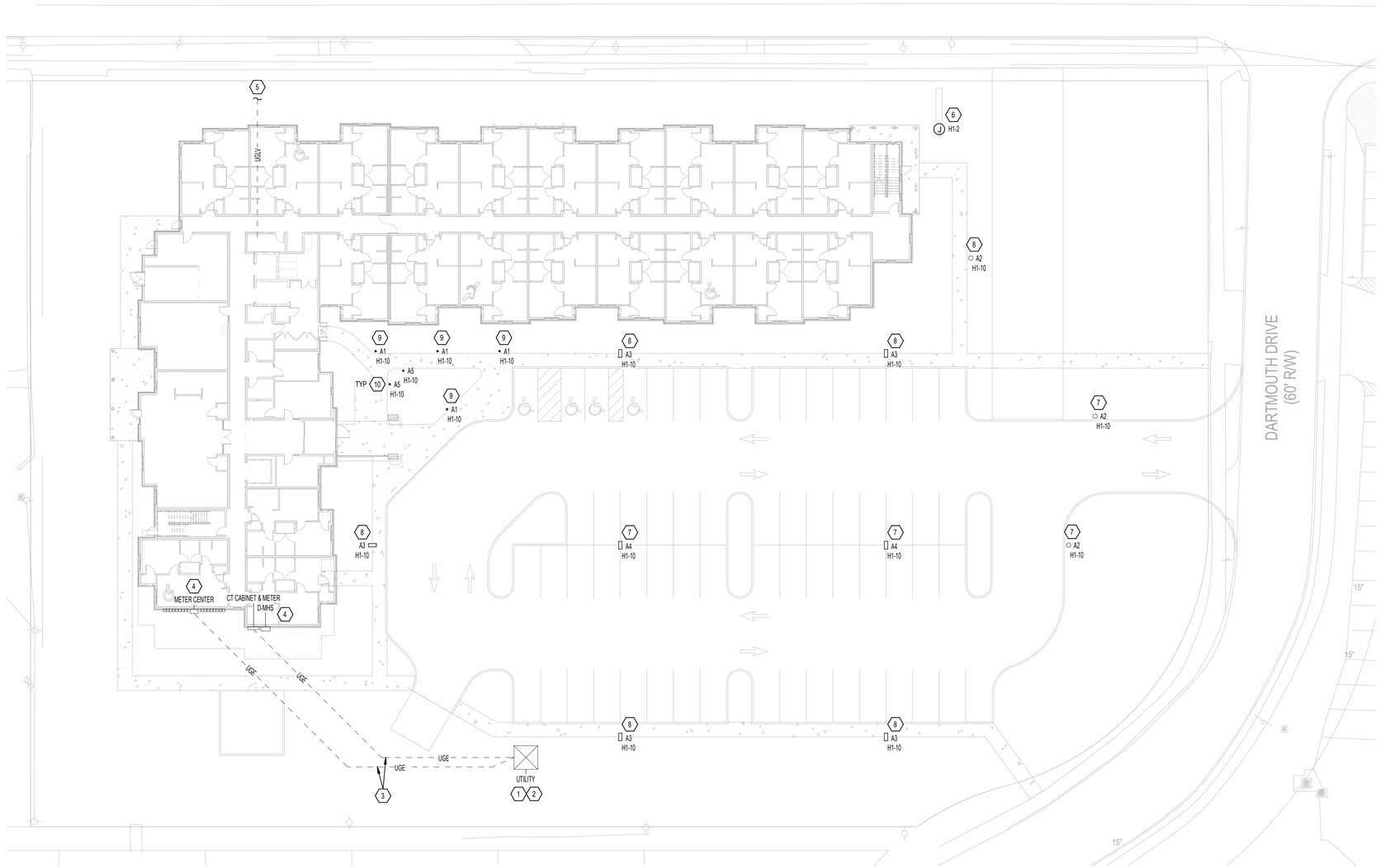
6. PROVIDE WP JUNCTION BOX, 1-1/2" CONDUIT, AND 120V CONNECTION FOR POWER TO MONUMENT SIGN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.

7. PROVIDE CONCRETE POLE BASE PER DETAIL #1 ON SHEET E504. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.

8. PROVIDE CONCRETE POLE BASE PER DETAIL #2 ON SHEET E504. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.

9. PROVIDE CONCRETE POLE BASE PER DETAIL #3 ON SHEET E504. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.

10. PROVIDE CONCRETE MOUNTING BASE AND NECESSARY HARDWARE FOR FLAG POLE LIGHT FIXTURES. VERIFY EXACT LOCATIONS PRIOR TO ROUGH-IN.



1 SITE ELECTRICAL PLAN

1" = 20'-0"

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SITE ELECTRICAL PLAN

E002

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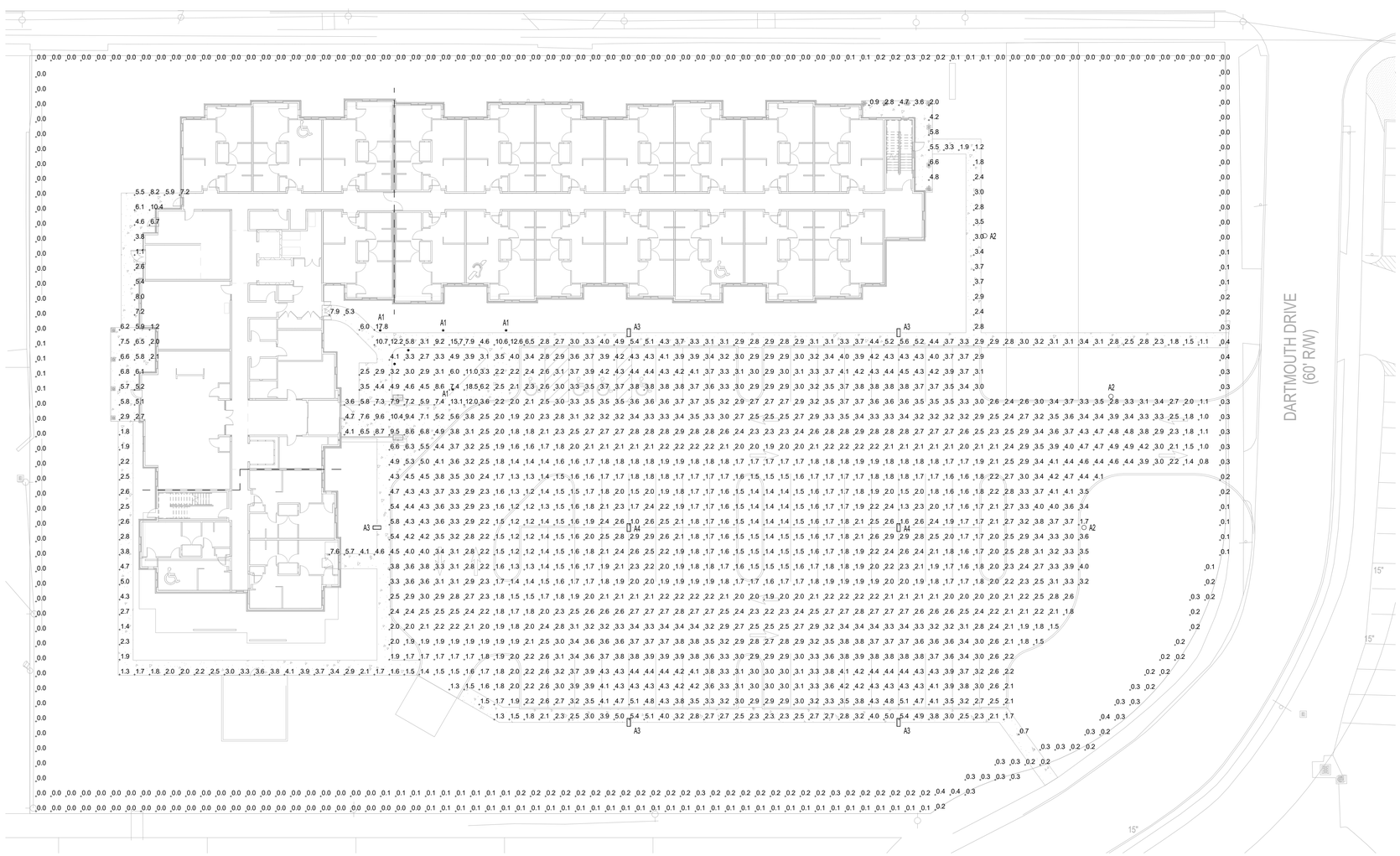
PHOTOMETRIC STATISTICS:

ZONE - VEHICULAR USE AREAS & PEDESTRIAN PATHS
- REQUIREMENT = MINIMUM 0.5FC AT GRADE
- RESULTS = MIN - 0.7FC / AVG - 3.0FC

ZONE - PROPERTY LINE ALONG RESIDENTIAL BORDER
- REQUIREMENT = MAXIMUM 0.5FC AT 3.5FT ABOVE GRADE
- RESULTS = MAX - 0.3FC / AVG - 0.1FC

ZONE - PROPERTY LING ALONG STREET
- REQUIREMENT = MAXIMUM 0.5FC AT GRADE
- RESULTS = MAX - 0.4FC / AVG - 0.1FC



1 SITE PHOTOMETRIC
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SITE PHOTOMETRIC

E003

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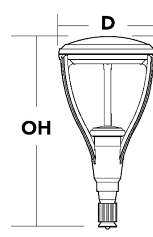
FIXTURE A2 - POST TOP

MRP LED
LED Area Luminaire

NIGHTTIME FRIENDLY · A+ CAPABLE · BAA · BABA

Specifications

EPA:	1.125 ft² (0.105 m²)
Luminaire Height:	6-3/8" (16.2 cm)
Overall Height:	32" (81.3 cm)
Diameter:	18" (45.7 cm)
Weight (max):	37.5 lbs (17 kg)



Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: MRP LED 42C 700 40K SR5 MVOLT DDBXD

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
MRP LED	42C 42 LEDs (one engine)	350 350mA 530 530mA 700 700mA 1000 1000mA (1A)	30K 3000K 40K 4000K 50K 5000K	SR2 Type II SR3 Type III SR4 Type IV SR5 Type V	MVOLT [1] 120 [2] 208 [2] 240 [2] 277 [2] 347 [2] 480 [2]	**Shipped included** (blank) Fits 4" OD round pole **Shipped separately** [3] MRPT20 2-3/8" tenon slipfitter MRPT25 2-7/8" tenon slipfitter **Shipped separately** [3] MRPT30 3-1/2" tenon slipfitter MRPT35 4" tenon slipfitter MRPF3 3" OD round pole adapter MRPF5 5" OD round pole adapter [4]

Control options		Other options	Finish (required)
Shipped installed PER NEMA twist-lock receptacle only (control ordered separate) PER5 Five-wire receptacle only (control ordered separate) [5] PER7 Seven-wire receptacle only (control ordered separate) [5]	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [6]	SF Single fuse (120, 277, 347V) [2] DF Double fuse (208, 240, 480V) [2]	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

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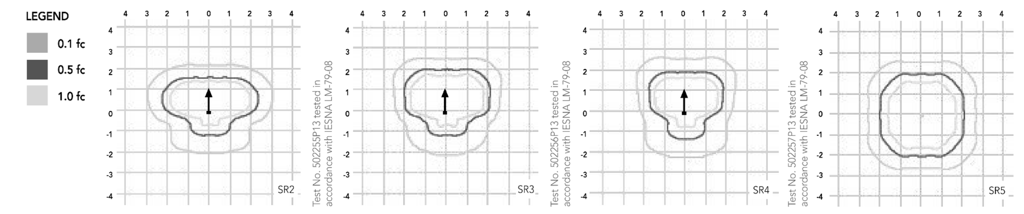
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's MRP LED homepage.

Isofootcandle plots are considered to be representative of available optical distributions.



FEATURES & SPECIFICATIONS

INTENDED USE
Streets, walkways, parking lots and surrounding areas.

CONSTRUCTION
Single-piece die-cast aluminum housing with nominal wall thickness of .012". Die-cast top access doorframe has impact-resistant, tempered glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum and white. Available in textured and non-textured finishes.

OPTICS
Precision acrylic refractive optics for optimum light distribution through the flat glass lens. Light engines are available in standard 3000K (70 CRI) or optional 4000K (70 CRI) or 5000K (70 CRI) configurations.

ELECTRICAL
Light engine consists of 42 high-efficacy LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low for operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Standard post-top mounting configuration fits into a 4" OD open pole top (round pole only). Multiple options and accessories are available for other mounting needs.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient. **U.S. Patent No. D556,357.**

GOVERNMENT PROCUREMENT
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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Ordering Information

Accessories
Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [7]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [7]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [7]
DSHORT SBK U	Shorting cap [7]
MRPT20 DDBXD U	2-3/8" tenon slipfitter (specify finish)
MRPT25 DDBXD U	2-7/8" tenon slipfitter (specify finish)
MRPT30 DDBXD U	3-1/2" tenon slipfitter (specify finish)
MRPT35 DDBXD U	4" tenon slipfitter (specify finish)
MRPF3 DDBXD U	3" OD round pole adapter (specify finish)
MRPF5 DDBXD U	5" OD round pole adapter (specify finish) [3]

For more control options, visit DTL and ROAM online.

NOTES
1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
3 Also available as a separate accessory; see Accessories information at left.
4 Maximum pole wall thickness is 0.156".
5 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
6 DMG not available with PER, PER5 or PER7.
7 Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K Lumens	B	U	G	LPW	40K Lumens	B	U	G	LPW	50K Lumens	B	U	G	LPW
42C (42 LEDs)	530	75W	SR2	5,456	1	2	1	73	6,605	1	2	1	88	6,671	1	2	1	89
			SR3	5,436	1	1	1	72	6,581	1	1	2	88	6,647	1	1	2	89
			SR4	5,399	1	1	1	72	6,537	1	1	2	87	6,602	1	1	2	88
			SR5	5,748	3	1	3	77	6,959	3	1	3	83	7,029	3	1	3	94
	700	100W	SR2	6,630	1	2	1	66	8,026	2	2	2	80	8,106	2	2	2	81
			SR3	6,605	1	1	2	66	7,997	1	2	2	80	8,077	1	2	2	81
			SR4	6,561	1	1	2	66	7,943	1	2	2	79	8,022	1	2	2	80
			SR5	6,985	3	1	3	70	8,456	3	2	3	85	8,541	3	2	3	85
	1000	151W	SR2	8,165	2	2	2	54	9,885	2	2	2	65	9,983	2	2	2	66
			SR3	8,135	1	2	2	54	9,848	2	2	2	65	9,947	2	2	2	66
			SR4	8,080	2	2	2	54	9,782	2	2	2	65	9,880	2	2	2	65
			SR5	8,602	3	2	3	57	10,414	4	2	4	70	10,518	4	2	4	70

PER Table

Control	PER (3 wire)	PER5 (5 wire)	PER5 Wire 4/Wire5	PER7 (7 wire)	PER7 Wire 4/Wire5	PER7 Wire 6/Wire7
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	⊘	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof* with Motion	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture

✓ Recommended
⊘ Will not work
⚠ Alternate
*Futureproof means: Ability to change controls in the future.

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.06
10°C	50°F	1.04
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.96

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **MRP LED 42C 700** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.96	0.92	0.85

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FIXTURE A1 - BOLLARD

D-Series
LED Bollard

NIGHTTIME FRIENDLY · LED lighting facts · BAA · BABA

Catalog Number

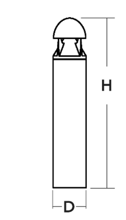
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Diameter:	8" Round (20.3 cm)
Height:	42" (106.7 cm)
Weight (max):	27 lbs (12.25 kg)



Introduction

The D-Series LED Bollard is a stylish, energy-saving, long-life solution designed to perform the way a bollard should—with zero uplight. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

Ordering Information

EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT DDBXD

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Control options	Other options	Finish (required)
DSXB LED	**Asymmetric** 12C 12 LEDs[1] **Symmetric** 16C 16 LEDs[2]	350 350 mA 450 450 mA [3,4] 530 530 mA 700 700 mA	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted AMBLW Amber limited wavelength [3,4]	ASY Asymmetric [1] SYM Symmetric [2]	MVOLT [5] 120 [5] 208 [5] 240 [5] 277 [5] 347 [4]	**Shipped installed** PE Photoelectric cell, button type DMG 00-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ELCW Emergency battery backup[6]	**Shipped installed** SF Single fuse (120, 277, 347V) [4,7] DF Double fuse (208, 240V) [4,7] H24 24" overall height H30 30" overall height H36 36" overall height FG Ground-fault festoon outlet L/AB Without anchor bolts L/AB4 4-bolt retrofit base without anchor bolts [8]	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Accessories
Ordered and shipped separately.

MRAB U Anchor bolts for DSXB [8]

NOTES
1 Only available in the 12C, ASY version.
2 Only available in the 16C, SYM version.
3 Only available with 450 AMBLW version.
4 Not available with ELCW.
5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
6 Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
7 Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
8 MRAB U not available with L/AB4 option.

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Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engines	Drive Current	System Watts	3000 K Lumens	LPW	B	U	G	4000 K Lumens	LPW	B	U	G	5000 K Lumens	LPW	B	U	G	Limited Wavelength Amber Lumens	LPW	B	U	G
Asymmetric (12 LEDs)	350	16	1,194	75	1	0	1	1,283	80	1	0	1	1,291	81	1	0	1					
	530	22	1,719	78	1	0	1	1,847	84	1	0	1	1,859	85	1	0	1					
	700	31	2,173	70	1	0	1	2,335	75	1	0	1	2,349	76	1	0	1					
	Amber 450	16																348	22	1	0	1
Symmetric (16 LEDs)	350	20	1,558	78	1	0	0	1,674	84	1	0	0	1,685	84	1	0	0					
	530	28	2,232	80	2	0	1	2,397	86	2	0	1	2,412	86	2	0	1					
	700	39	2,802	72	2	0	1	3,009	77	2	0	1	3,028	78	2	0	1					
	Amber 450	20																419	21	1	0	1

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.98	0.97	0.95

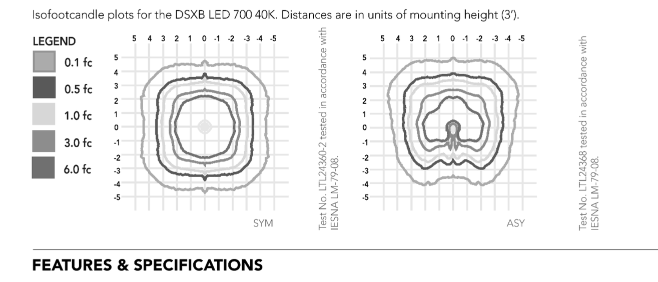
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A) 120	208	240	277	347
12C	350	16W	0.158	0.118	0.114	0.109	0.105
	530	22W	0.217	0.146	0.136	0.128	0.118
	700	31W	0.296	0.185	0.168	0.153	0.139
	Amber 450	16W	0.161	0.120	0.115	0.110	0.106
16C	350	20W	0.197	0.137	0.128	0.121	0.114
	530	28W	0.282	0.178	0.162	0.148	0.135
	700	39W	0.385	0.231	0.207	0.185	0.163
	Amber 450	20W	0.199	0.139	0.130	0.123	0.116

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Bollard homepage.

Isofootcandle plots for the DSXB LED 700 40K. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE
The rugged construction and maintenance-free performance of the D-Series LED Bollard is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

CONSTRUCTION
One-piece 8-inch-round extruded aluminum shaft with thick side walls for extreme durability, and die-cast aluminum reflector and top cap. Die-cast aluminum mounting ring allows for easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3-5/8" max. bolt circle template ensure stability. Overall height is 42" standard.

FINISH
Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Two 0% uplight optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL
Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS
CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

GOVERNMENT PROCUREMENT
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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Columbus, Ohio 43220

NO.	DATE	REVISION

JOB NO. : PES 25222
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% OWNER REVIEW
DATE : 01/07/26

SITE LIGHTING INFORMATION

E004

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FIXTURES A3 & A4 - AREA LIGHTS

D-Series Size 1
LED Area Luminaire

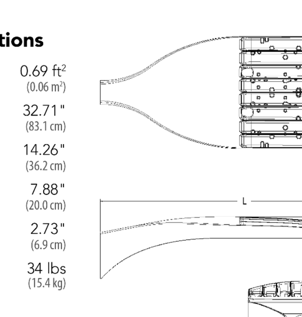
DLC LISTED PREMIUM · DLC LISTED · NIGHTTIME FRIENDLY · ida · BAA · BABA

Catalog Number	
Notes	
Type	

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Design Select options indicated by this color background.

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series
- DSX1 LED

LEDs
- Forward optics: P1, P2, P3, P4, P5, P6, P7, P8, P9
- Rotated optics: P10[1], P11[1], P12[1], P13[1]

Color temperature[2] / **Color Rendering Index[2]**

(this section 70CRI only)

30K	3000K	70CRI
40K	4000K	70CRI
50K	5000K	70CRI
27K	2700K	80CRI
30K	3000K	80CRI
35K	3500K	80CRI
40K	4000K	80CRI
50K	5000K	80CRI

Distribution

AFR	Automotive front row
T1S	Type I short
T2M	Type II medium
T3M	Type III medium
T3LG	Type III low glare[3]
T4M	Type IV medium
T4LG	Type IV low glare[3]
TFTM	Forward throw medium
T5M	Type V medium
T5LG	Type V low glare
T5W	Type V wide
BLC3	Type III backlight control[3]
BLC4	Type IV backlight control[3]
LCCO	Left corner cutoff[3]
RCCO	Right corner cutoff[3]

Voltage

MVOLT	(120V-277V)[4]
HVOLT	(347V-480V)[5,6]
XVOLT	(277V - 480V)[7,8]
120[16,26]	
208[16,26]	
240[16,26]	
277[16,26]	
347[16,26]	
480[16,26]	

Mounting

Shipped included

SPA	Square pole mounting (#8 drilling)
RPA	Round pole mounting (#8 drilling)
SPA5	Square pole mounting #5 drilling[9]
RPA5	Round pole mounting #5 drilling[9]
SPA8N	Square narrow pole mounting #8 drilling
WBA	Wall bracket[10]
MA	Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options

Shipped installed

NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[11,12,20,21]
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc[13,20,21]
PER	NEMA twist-lock receptacle only (controls ordered separate)[14]
PER5	Five-pin receptacle only (controls ordered separate)[14,21]
PER7	Seven-pin receptacle only (controls ordered separate)[14,21]
FAO	Field adjustable output[15,21]
BL30	Bi-level switched dimming, 30%[16,21]
BL50	Bi-level switched dimming, 50%[16,21]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[17]
DS	Dual switching[18,19,21]

Other options

Shipped installed

SPD20KV	20KV surge protection
HS	Houseside shield (black finish standard)[22]
L90	Left rotated optics[1]
R90	Right rotated optics[1]
CCE	Coastal Construction[23]
HA	50°C ambient operation[24]
BAA	Buy America(n) Act and/or Build America Buy America Qualified
SF	Single fuse (120, 277, 347V)[26]
DF	Double fuse (208, 240, 480V)[26]

Shipped separately

EGSR	External Glare Shield (reversible, field install required, matches housing finish)
BSDB	Bird Spikes (field install required)

Finish *(required)*

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

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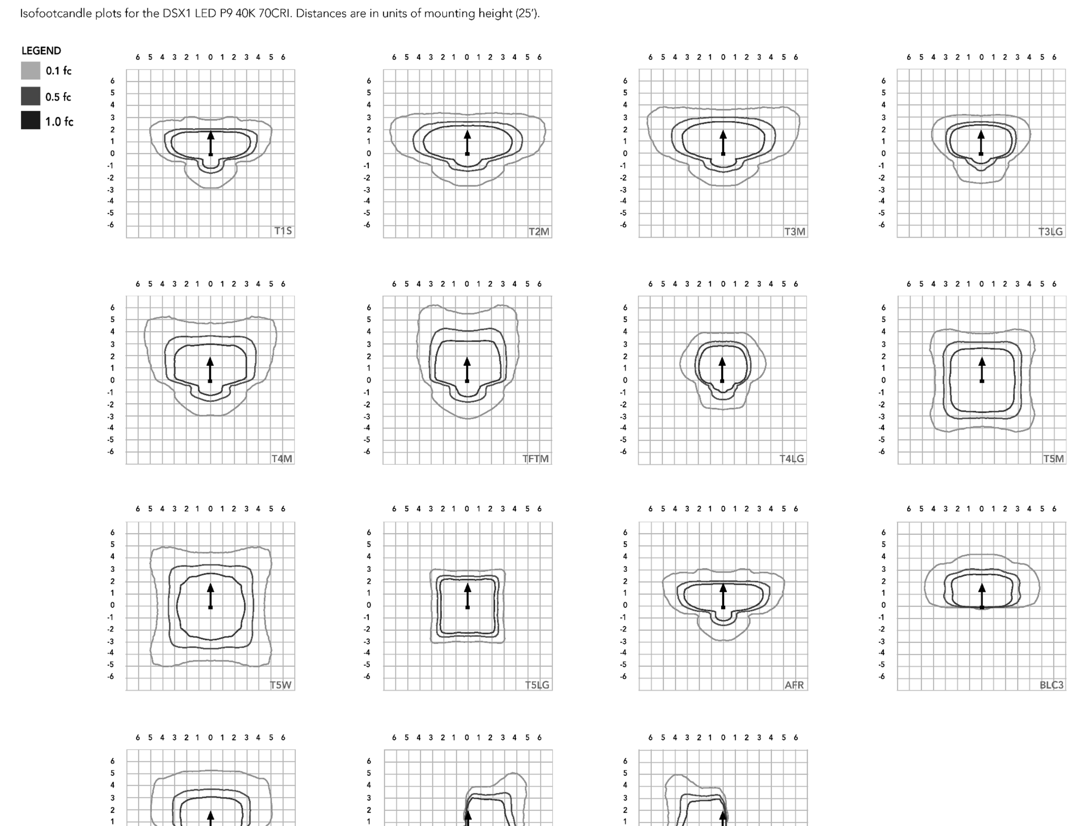
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').



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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79.
Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI) Lumens	B	U	G	LPW	40K (4000K, 70 CRI) Lumens	B	U	G	LPW	50K (5000K, 70 CRI) Lumens	B	U	G	LPW
P4	124W	30	1250	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
				T2M	15,207	3	0	4	123	15,849	3	0	4	128	16,158	3	0	4	130
				T3M	15,383	2	0	4	124	16,032	2	0	4	129	16,345	2	0	4	132
				T3LG	13,742	2	0	2	111	14,321	2	0	2	116	14,600	2	0	2	118
				T4M	15,613	2	0	4	126	16,272	2	0	4	131	16,589	2	0	4	134
				T4LG	14,200	2	0	2	115	14,799	2	0	2	119	15,087	2	0	2	122
				TFTM	15,721	2	0	4	127	16,384	2	0	4	132	16,703	2	0	4	135
				T5M	16,063	4	0	2	130	16,741	4	0	2	135	17,067	4	0	2	138
				T5W	16,324	5	0	3	132	17,013	5	0	3	137	17,344	5	0	3	140
				T5LG	16,110	3	0	2	130	16,790	4	0	2	135	17,117	4	0	2	138
				BLC3	11,190	0	0	3	90	11,662	0	0	3	94	11,889	0	0	3	96
				BLC4	11,557	0	0	3	93	12,044	0	0	3	97	12,279	0	0	4	99
				RCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				LCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				AFR	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
P5	138W	30	1400	T1S	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
				T2M	16,723	3	0	4	121	17,428	3	0	4	126	17,768	3	0	4	129
				T3M	16,917	3	0	4	122	17,630	3	0	4	128	17,974	3	0	4	130
				T3LG	15,111	2	0	2	109	15,749	2	0	2	114	16,055	2	0	2	116
				T4M	17,169	3	0	5	124	17,893	3	0	5	130	18,242	3	0	5	132
				T4LG	15,615	2	0	2	113	16,274	2	0	2	118	16,591	2	0	2	120
				TFTM	17,288	2	0	4	125	18,017	2	0	5	130	18,368	3	0	5	133
				T5M	17,664	5	0	3	128	18,410	5	0	3	133	18,768	5	0	3	136
				T5W	17,951	5	0	3	130	18,708	5	0	3	135	19,073	5	0	3	138
				T5LG	17,716	4	0	2	128	18,463	4	0	2	134	18,823	4	0	2	136
				BLC3	12,305	0	0	3	89	12,824	0	0	3	93	13,074	0	0	3	95
				BLC4	12,709	0	0	4	92	13,245	0	0	4	96	13,503	0	0	4	98
				RCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				LCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				AFR	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
P6	165W	40	1250	T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135
				T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
				T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127
				T3LG	17,604	2	0	2	107	18,347	2	0	2	111	18,704	2	0	2	113
				T4M	20,001	3	0	5	121	20,845	3	0	5	126	21,251	3	0	5	129
				T4LG	18,191	2	0	2	110	18,959	2	0	2	115	19,328	2	0	2	117
				TFTM	20,140	3	0	5	122	20,989	3	0	5	127	21,398	3	0	5	129
				T5M	20,579	5	0	3	125	21,447	5	0	3	130	21,865	5	0	3	132
				T5W	20,912	5	0	3	127	21,795	5	0	3	132	22,219	5	0	3	134
				T5LG	20,638	4	0	2	125	21,509	4	0	2	130	21,928	4	0	2	133
				BLC3	14,335	0	0	3	87	14,940	0	0	3	90	15,231	0	0	3	92
				BLC4	14,805	0	0	4	90	15,430	0	0	4	93	15,731	0	0	4	95
				RCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				LCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				AFR	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135

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Ordering Information

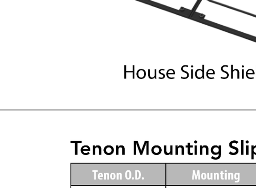
Accessories
Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V)[25]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V)[25]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V)[25]
DSHORT SBK	Shorting cap[25]
DSX1HS P#	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGSR (FINISH)	External glare shield (specify finish)
DSX1BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

NOTES
1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in packages P1 or P10. XVOLT not available with P1 ,P2, P5, P7, P9, P10, P11 and P13 when combined with option NLTAIR2 PIRHN or PIR. XVOLT not available with fusing (SF or DF).
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this link
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT.
13 PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS.
14 PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120 or 277V.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
18 DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
19 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
20 Reference Motion Sensor Default Settings table on page 4 to see functionality.
21 Reference Controls Options table on page 4.
22 HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
23 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
24 Option HA not available with performance packages P4, P5, P7, P8, P9 and P13.
25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
26 Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

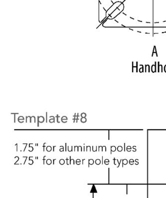
Shield Accessories

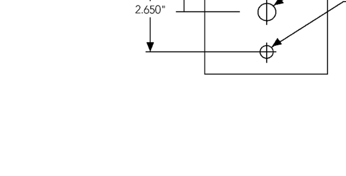
External Glare Shield (EGSR)



House Side Shield (HS)

Drilling





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09

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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.81

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A) 120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

LED Color Temperature / Color Rendering Multipliers

	70 CRI Lumen Multiplier	Availability	80CRI Lumen Multiplier	Availability	90CRI Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CLAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

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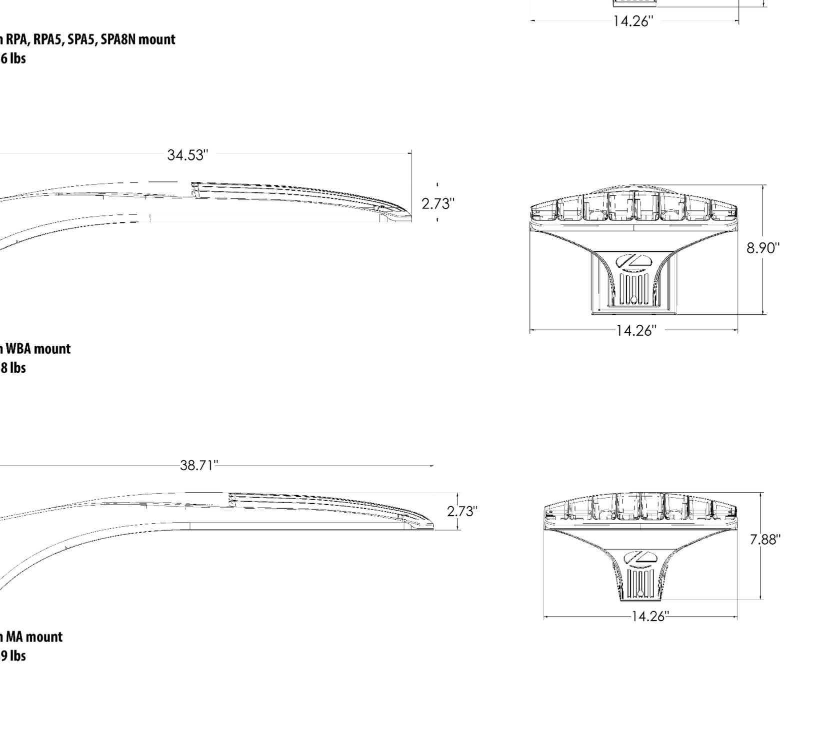
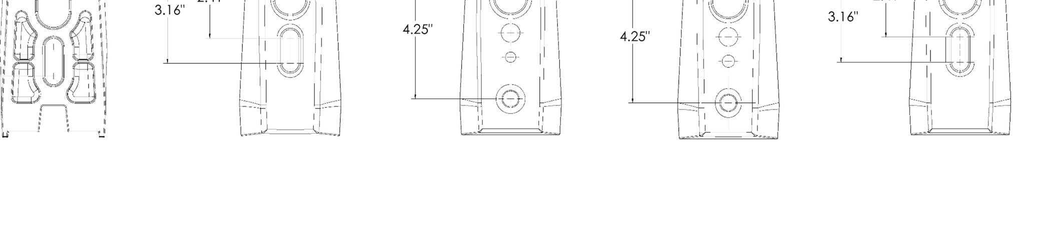
Dimensions



DSX1 with RPA, RPA5, SPA5, SPA8N mount
Weight: 36 lbs

DSX1 with WBA mount
Weight: 38 lbs

DSX1 with MA mount
Weight: 39 lbs



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NO.	DATE	REVISION

JOB NO. : PES 25222
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% OWNER REVIEW
DATE : 01/07/26

SITE LIGHTING INFORMATION

E005

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FIXTURE W1 - WALLPACK

WPX LED
Wall Packs

Specifications

Front View   Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location A	Side Conduit Location B	Weight
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1 — 1,550 Lumens, 11W[1] WPX1 LED P2 — 2,900 Lumens, 24W WPX2 LED — 6,000 Lumens, 47W WPX3 LED — 9,200 Lumens, 69W	30K — 3000K 40K — 4000K 50K — 5000K	MVOLT — 120V - 277V 347 — 347V[3]	(blank) — None E4WH — Emergency battery backup, CEC compliant (4W, 0°C min)[2] E14WC — Emergency battery backup, CEC compliant (14W, -20°C min)[2] PE — Photocell[3]	DDBXD — Dark bronze DWHXD — White DBLXD — Black Note : For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES
1. All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
2. Battery pack options only available on WPX1 and WPX2.
3. Battery pack options not available with 347V or PE options.

FEATURES & SPECIFICATIONS

INTENDED USE
The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION
WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection).
All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION
WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards. The WPX is intended for installation on flat wall surfaces. Other applications may void warranty

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

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Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

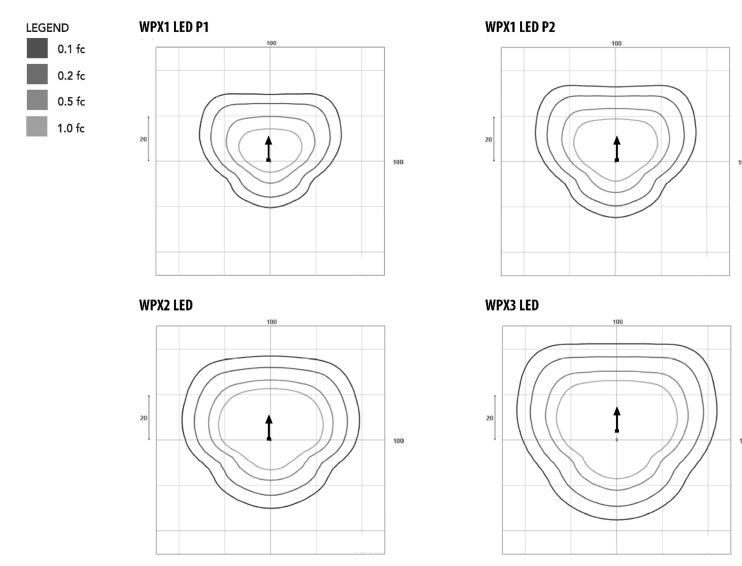
Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT **E4WH** DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT **E14WC** DDBXD

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WPX LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards



Mounting Height = 12 Feet.

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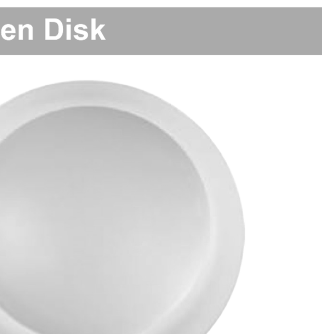
FIXTURE S2 - DOWNLIGHT

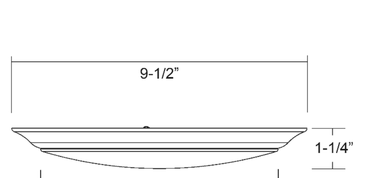
Catalog #:		Type
Project:		Date
Prepared by:		

8554
120V

9" LED High Lumen Disk

8554 - 9" LED High Lumen Disk





DESCRIPTION

The 8554 is a 9" LED Disk Light that makes upgrading to an energy efficient LED solution easier than ever. Flexible for use in both retrofit and new construction applications, and suitable for use in wet locations, this is a ideal choice for most any residential or light-commercial application.

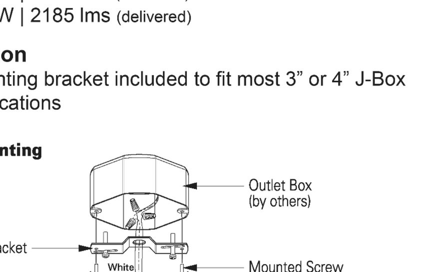
DESIGN FEATURES

Construction
- Durable aluminum construction
- Frosted polycarbonate lens

Electrical
- 120V - 60Hz
- Contact factory for 277V or other CCT colors
- Dimmable TRIAC or ELV, 10-100%
- 50,000 hour projected life
- 3000K or 4000K | 90 CRI
- 16.1W | 1183 lms (delivered)
- 30.5W | 2185 lms (delivered)

Installation
- Mounting bracket included to fit most 3" or 4" J-Box applications

J-Box Mounting



Dimensions
- 9-1/2" W x 1-1/4" H

Certifications
- CSAus for use in wet locations
- CEC JA8 Compliant
- LED Light Source: 5 Year Limited Warranty
- Other Components: 1 Year Limited Warranty

ORDERING GUIDE *Example: 8554WH-90-3K*

Model #	Finish	Wattage	CRI	CCT
8554	WH		-90	
8554	WH : White	-16 : 16W (blank) : 30W	-90 : 90 CRI	-3K : 3000K -4K : 4000K

Other finishes available as a special order.

WET · JA8 TITLE 24 · CSA US · LED Light Source · Other Components

TEL: 800.937.6925 | Fax: 800.207.9509 | www.rplighting.com

Specifications and dimensions subject to change without notice.

10/8/24 R8

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NO.	DATE	REVISION

JOB NO. : PES 25222
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% OWNER REVIEW
DATE : 01/07/26

SITE LIGHTING INFORMATION

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LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Round Straight Steel is a general purpose light pole for up to 30-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of 0.120" uniform wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 42,000 psi. Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly round in cross-section down length of shaft with no taper. Standard shaft diameters are 3", 4", 4.5" and 5". 6" diameter shaft available by quote. Shaft wall thickness of .180" is available with certain tube diameters.

Pole Top: Options include tenon top, drilled for side mount fixture, 4" tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable press-fit, black, low density polyethylene top cap.

Handhole: A reinforced handhole with grounding provision is provided at 12" or 18" from the base end of the pole assembly on side A. Every handhole includes a cover and cover attachment hardware. 2.5" x 5" rectangular handhole is provided on pole.

Base Cover: A two-piece ABS round plastic full base cover is provided with each pole assembly. Additional base cover options are available upon factory request. Options include fabricated two-piece sheet steel. All base covers are finished to match pole.

Anchor Base/Bolts: Anchor base is fabricated from hot-rolled carbon steel plate that conforms with ASTM A36. Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end. All anchor bolts are hot-dipped galvanized a minimum of 12" nominal on the threaded end. Anchor bolts are made of steel rod having a minimum yield strength of 55,000 psi and a yield strength of 75,000 psi to 95,000 psi.

HARDWARE – All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH – Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

GOVERNMENT PROCUREMENT —

BAA – Buy American(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

Anchor Base Poles

RSS

ROUND STRAIGHT STEEL

BAA BABA

RSS Round Straight Steel Pole

TECHNICAL INFORMATION — EPA (ft²) with 1.3 gust

Catalog number	Nominal shaft length (ft.)*	Pole shaft size (in. x ft.)	Wall thickness (in.)	80 mph	Max weight	90 mph	Max weight	100 mph	Max weight	Approximate ship weight (lbs.)
RSS 8 4-5B	8	4.5 x 8.0	0.120	24.7	630	19.7	495	16.0	430	55
RSS 10 3B	10	3.0 x 10.0	0.120	10.0	250	7.7	190	6.0	175	55
RSS 10 4B	10	4.0 x 10.0	0.120	19.3	480	15	375	12.2	305	70
RSS 10 4-5B	10	4.5 x 10.0	0.120	24.5	615	19.5	490	15.8	395	75
RSS 12 3B	12	3.0 x 12.0	0.120	7.7	195	5.8	145	4.4	130	60
RSS 12 4B	12	4.0 x 12.0	0.120	15.0	390	11.8	300	9.5	240	80
RSS 12 4-5B	12	4.5 x 12.0	0.120	19.8	495	15.7	395	12.7	320	85
RSS 14 3B	14	3.0 x 14.0	0.120	6.0	175	4.4	130	3.3	90	70
RSS 14 4B	14	4.0 x 14.0	0.120	12.2	305	9.4	250	7.6	195	90
RSS 14 4-5B	14	4.5 x 14.0	0.120	16.2	405	12.8	320	10.3	260	95
RSS 15 4-5B	15	4.5 x 15.0	0.120	12.0	300	9.5	250	7.5	200	96
RSS 16 3B	16	3.0 x 16.0	0.120	4.6	125	3.2	100	2.3	60	80
RSS 16 4B	16	4.0 x 16.0	0.120	9.6	250	7.4	185	5.9	150	100
RSS 16 4-5B	16	4.5 x 16.0	0.120	13.1	330	10.2	265	8.2	205	105
RSS 18 3B	18	3.0 x 18.0	0.120	3.4	90	2.3	60	1.4	70	90
RSS 18 4B	18	4.0 x 18.0	0.120	7.6	190	5.7	180	4.5	130	110
RSS 18 4-5B	18	4.5 x 18.0	0.120	10.5	265	8.2	210	6.5	165	115
RSS 20 3B	20	3.0 x 20.0	0.120	2.4	100	1.4	75	--	--	100
RSS 20 4B	20	4.0 x 20.0	0.120	6.0	150	4.45	150	3.45	125	120
RSS 20 4-5B	20	4.5 x 20.0	0.120	8.5	215	6.6	165	5.2	130	130
RSS 20 5B	20	5.0 x 20.0	0.120	11.75	300	9.1	230	7.25	180	145
RSS 22 4-5B	22	4.5 x 22.0	0.120	6.0	150	4.5	125	3.75	100	134
RSS 25 4B	25	4.0 x 25.0	0.120	2.85	100	1.95	75	1.35	75	145
RSS 25 4-5B	25	4.5 x 25.0	0.120	4.8	130	3.6	90	2.7	90	145
RSS 25 5B	25	5.0 x 25.0	0.120	7.25	180	5.5	150	4.25	150	180
RSS 30 4-5B	30	4.5 x 30.0	0.120	2.3	80	1.5	75	1.0	60	185
RSS 30 5B	30	5.0 x 30.0	0.120	4.2	150	3	125	2.25	100	210

NOTE: EPA values are based ASCE 7-93 wind map.
*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

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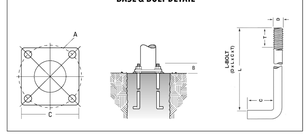
RSS Round Straight Steel Pole

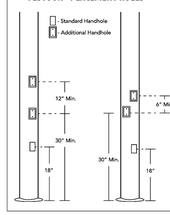
ANCHORAGE AND TEMPLATE INFORMATION

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Bolt size (in.) D x L x C
3"	7.5" - 8.5"	3.50"-3.75"	10.50"	ABTEMPLATE P050041	AB18-0	3/4 x 18 x 3
4"	7.5" - 8.5"	3.50"-3.75"	10.50"	ABTEMPLATE P050041	AB18-0	3/4 x 18 x 3
4.5"	7.5" - 8.5"	3.50"-3.75"	10.50"	ABTEMPLATE P050041	AB18-0	3/4 x 18 x 3
5"	7.5" - 8.5"	3.50"-3.75"	10.50"	ABTEMPLATE P050041	AB18-0	3/4 x 18 x 3

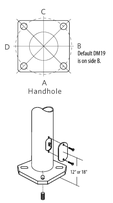
BASE & BOLT DETAIL



ROUND STEEL HANDHOLE AND FESTOON - PLACEMENT RULES



HANDHOLE DETAIL



IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

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RSS Round Straight Steel Pole

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** RSS 20 4-5B DM32AS DDBXD

RSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness [1]	Mounting[2]	Options	Finish
RSS	8'-30' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	3B 3" 11ga (.120") 4B 4" 11ga (.120") 4-5B 4.5" 11ga (.120") 5B 5" 11ga (.120") (See technical information table for complete ordering information.)	Tenon mounting PT Open top T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) DSX/RSX/OMEGA[3] Drill mounting[4] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM32AS 3 at 120° DM39AS 3 at 90° DM49AS 4 at 90° BAD drill mounting [5,6] DM19BAD 1 at 90° DM28BAD 2 at 180° DM29BAD 2 at 90° DM32BAD 3 at 120° DM39BAD 3 at 90° DM49BAD 4 at 90° ESX Drill mounting [7] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM32ESX 3 at 120° DM39ESX 3 at 90° DM49ESX 4 at 90° Arm drill mounting To be added as series + drill orientations **EX:** 5MAC19 for 5MAC arm drilling 1 at 90°	Shipped installed VD Vibration damper[1] JHxy J-Hook for cable strain relief[8] HAxy Horizontal arm bracket (1 fixture)[2,9] FDLxy Festoon outlet less electrical[9,10] FDLGFCXxy Festoon with GFCI outlet and in-use cover[9,11] CPL12/xy 1/2" coupling[1] CPL34/xy 3/4" coupling[1] CPL1/xy 1" coupling[1] NPL12/xy 1/2" threaded nipple[1] NPL34/xy 3/4" threaded nipple[1] NPL1/xy 1" threaded nipple[1] EHRxy Extra handhole[12,13] STLHHC Steel handhole cover (standard is plastic, finish is smooth)[12] FBCSTL2PC 2-Piece steel base cover (standard is plastic)[12] IC Interior coating[12] L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy American(n) Act Compliant[14] VMxy/original order# Match pole to prior order or project[15]	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes[13] [PAINT] GALV Paint over galvanizing VP30 3 year warranty extension VP53 5-year warranty extension RAL#### Use designated Lithonia Lighting nomenclature in brochure Custom color Nomenclature assigned through Customer Care "Custom Color Process"

Accessories: *Order as separate catalog number.*	
PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD wEFI	Field installed vibration damper (snake style)

NOTES:

1. Wall thickness will be signified with a "B" (11-Gauge) or a "F" (7-Gauge) in nomenclature. "B" - .120" | "F" - .180"
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
   Example: DM28 (T20)
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. DM19BAD, DM28BAD and DM32BAD require a minimum top O.D. of 4".
   DM29BAD, DM39BAD and DM49BAD require a minimum top O.D of 5.25".
5. YD not available with 3" pole. On 4" and 5" poles, YD cannot be installed if provisions (EHR, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
   Example: Pole height is 20ft, if provision cannot be placed above 16ft.
6. Specify location and orientation when ordering option.
   For "L": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a ":".
   Example: 5ft = 5 and 2ft 8in = 2ft 3
   For "y": Specify orientation from handhole (A,B,C,D). Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 0° B ", orientation C = CPL12/3-8C
7. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arms at the same height, specify with HAxy.
   Example: HA20B(3)
8. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
9. Festoon option that comes with GFCI and in-use cover. GFCI and in-use cover ship separately from pole.
10. Combination of tenon-top and drill mount includes extra handhole. EHR includes cover.
11. Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.
12. N/A with GALV.
13. Use when mill certifications are required.
14. 14. Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders. *Example: VM.1010. 3x.2h4*
15. Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

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RSS Round Straight Steel Pole

TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013

Series	Mounting Height (ft.)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
RSS	8	4-5B	18.5	463	15	375	13	325	11	275	9.5	238	8	200	7	175	55
RSS	10	3B	6	150	5	125	4	100	3.5	88	2.5	63	2	50	2	50	55
RSS	10	4B	12	300	9.5	238	8	200	6.5	163	5.5	138	5	125	4.5	113	70
RSS	10	4-5B	15.5	388	12.5	313	10.5	263	9	225	7.5	188	6.5	163	6	150	75
RSS	12	3B	5	125	4	100	3	75	2.5	63	2	50	1.5	38	1	25	60
RSS	12	4B	10	250	8	200	6.5	163	5.5	138	4.5	113	4	100	3.5	88	80
RSS	12	4-5B	13	325	10.5	263	9	225	7.5	188	6.5	163	5.5	138	4.5	113	85
RSS	14	3B	4	100	3	75	2.5	63	2	50	1.5	38	1	25	0.5	13	70
RSS	14	4B	8.5	213	6.5	163	5.5	138	4	100	3.5	88	3	75	2.5	63	90
RSS	14	4-5B	11	275	9	225	7	175	6	150	5	125	4.5	113	4	100	95
RSS	15	4-5B	10	250	8	200	6.5	163	5.5	138	4.5	113	4	100	3.5	88	96
RSS	16	3B	3	75	2.5	63	1.5	38	1	25	0.5	13	0.5	13	-	-	80
RSS	16	4B	7	175	5.5	138	4	100	3	75	2.5	63	2	50	2	50	100
RSS	16	4-5B	9	225	7	175	6	150	5	125	4	100	3.5	88	3	75	105
RSS	18	3B	2.5	63	1.5	38	1	25	0.5	13	-	-	-	-	-	-	90
RSS	18	4B	5.5	138	4	100	3	75	2.5	63	2	50	1.5	38	1	25	110
RSS	18	4-5B	7.5	188	6	150	4.5	113	4	100	3	75	2.5	63	2	50	115
RSS	20	3B	2	50	1	25	0.5	13	-	-	-	-	-	-	-	-	100
RSS	20	4B	4.5	113	3	75	2	50	1.5	38	1	25	1	25	0.5	13	120
RSS	20	4-5B	6	150	4.5	113	3.5	88	3	75	2.5	63	2	50	1.5	38	130
RSS	20	5B	8	200	6.5	163	5.5	138	4.5	113	3.5	88	3	75	2.5	63	145
RSS	22	4-5B	5	125	3.5	88	2.5	63	2	50	1.5	38	1	25	1	25	134
RSS	25	4B	2.5	63	1	25	0.5	13	-	-	-	-	-	-	-	-	145
RSS	25	4-5B	3.5	88	2	50	1.5	38	1	25	0.5	13	-	-	-	-	145
RSS	25	5B	5	125	3.5	88	3	75	2	50	1.5	38	1.5	38	1	25	180
RSS	30	4-5B	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	185
RSS	30	5B	2.5	63	1.5	38	1	25	0.5	13	-	-	-	-	-	-	210

NOTE: AASHTO 2013 design criteria is the most common EPA and uses wind map ASCE7-05. Please review the project Spec document to determine the correct design criteria for the poles on your jobsite.
*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

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Columbus, Ohio 43220

NO.	DATE	REVISION

JOB NO. : PES 25222
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% OWNER REVIEW
DATE : 01/07/26

SITE LIGHTING INFORMATION

E007

1/14/2026 2:24:03 PM

LITHONIA LIGHTING

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — **Quick Ship orders ship in 10 days, to meet a maximum 14-day delivery time.**
Square Straight Steel is a general purpose light pole for up to 25-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —
Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 53 KSI (11-gauge, .12"), or 50 KSI (7-gauge, .18"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4" and 5".

Pole Top: Options include tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap..

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A color matched durable ABS plastic two-piece full base cover, is provided with each pole assembly.

Anchor Base/Nuts: Anchor base is fabricated from steel that meets ASTM A36 standards. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Exterior parts are protected by a TGIC or Urethane polyester powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. Extra durable standard powder-coat finishes include Dark Bronze, Black and Natural Aluminum colors.

GOVERNEMENT PROCUREMENT —
BAA – Buy American(a) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

ANCHOR BASE POLES

SSS QS

SQUARE STRAIGHT STEEL – QUICK SHIP

BAA BABA

ORDERING INFORMATION

Example: SSS QS 20 4C DM19AS DDBXD

SSS	QS					
Series	**Quick Ship**	**Pole Length (ft.)**	**Nominal shaft size/wall thickness[1]**	**Mounting[2]**	**Finish**	**Options**
SSS	QS	10 10' 12 12' 14 14' 16 16' 18 18' 20 20' 25 25'	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) DSX/RSX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum	STLTMP Steel anchor bolt template (standard is paper) L/RB Less anchor bolts (Include when anchor bolts are not needed) VM/original order# Match pole to prior order or project.[4]

Accessories: *Order as separate catalog number.*	
PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DSX/RSX drillings
FVD xxFT	Field installed vibration damper (snake style)

PROGRAM RULES:
1. Only options listed in the ordering tree are valid for the Quick Ship program.
2. Nomenclature must include "QS" after "SSS" to be qualified for Quick Ship. *Example: SSS QS 20 4C DM19AS DDBXD*
3. Total order quantity cannot exceed 10 poles.
4. Anchor bolts will be shipped separately.
5. Quick Ship orders cannot have "Not Before Date" or "Ship Date".
6. Quick ship orders cannot have standard pole lines.
7. All pole orders must include "Call Before Number" to avoid delays.
8. Only customers in USA are eligible.

NOTES:
1. Wall thickness will be signified with a "C" (11-Gauge) or a "G" (7-Gauge) in nomenclature. "C" = 0.12" | "G" = 0.18".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole. *Example: DM28/T20.*
3. Refer to the luminaire spec sheet for the correct drilling template pattern and orientation compatibility.
4. Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders.
Example: VM/010-36784

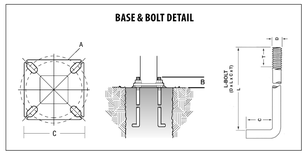
Square Straight Steel Poles – QUICK SHIP

ANCHORAGE AND TEMPLATE INFORMATION

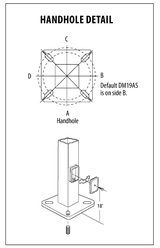
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description*	Anchor bolt description	Bolt size (in.) D x L x C	Anchor bolt/ Template Combo
4"C	8" – 9"	3.25"- 3.75"	8" - 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	3/4 x 18 x 3	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8" - 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	3/4 x 30 x 3	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	1 x 36 x 4	ABSSS-5

* Paper template standard. Add STL to end of description for the steel template.

BASE & BOLT DETAIL



HANDHOLE DETAIL



IMPORTANT INSTALLATION NOTES:
- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

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Square Straight Steel Poles – QUICK SHIP

TECHNICAL INFORMATION — EPA (ft²) with 1.3 gust

Catalog Number	Nominal Shaft Length (ft.)	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in.)	Gauge	EPA (ft²) with 1.3 gust: 80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	Approximate ship weight (lbs.)
SSS QS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	75
SSS QS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	90
SSS QS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	100
SSS QS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	115
SSS QS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	125
SSS QS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	140
SSS QS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	198
SSS QS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	185
SSS QS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	265
SSS QS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	170
SSS QS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	245
SSS QS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	225
SSS QS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	360

NOTE: EPA values are based ASCE 7-93 wind map.

TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013

Series	Mounting Height (ft.)[a]	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25	-	-	205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25	-	-	445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 design criteria is the most common EPA and uses wind map ASCE7-05. Please review the project Spec document to determine the correct design criteria for the poles on your jobsite.

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SITE LIGHTING INFORMATION

E008

1/14/2026 2:24:05 PM

GENERAL NOTES:

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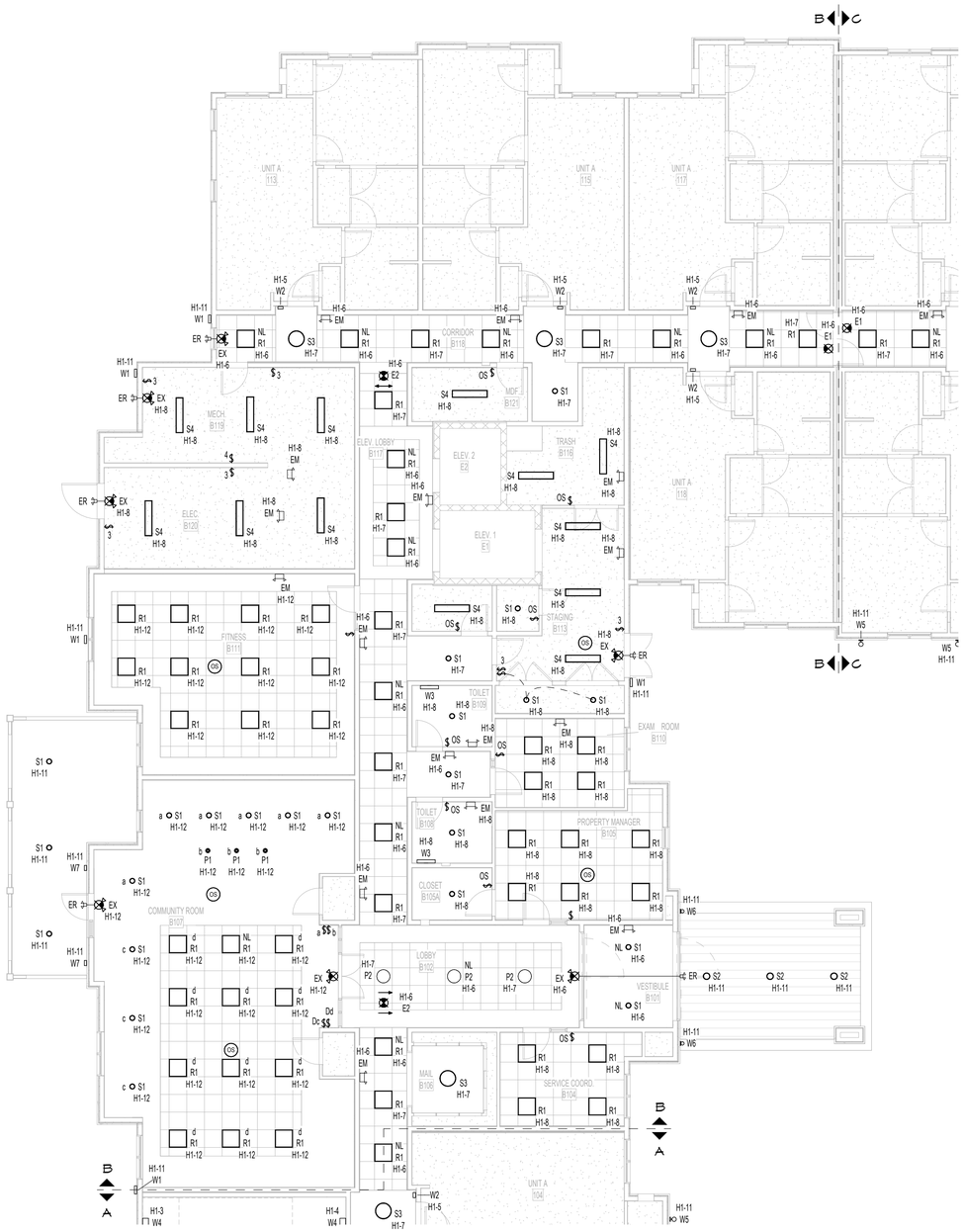
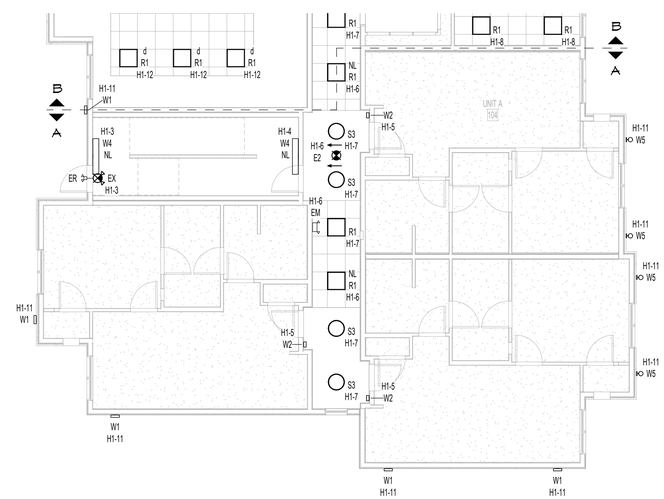


2 FIRST FLOOR LIGHTING PLAN - AREA B

1/8" = 1'-0"



1 FIRST FLOOR LIGHTING PLAN - AREA A

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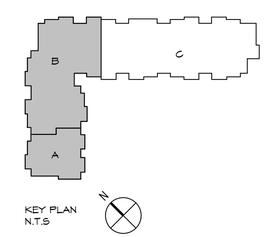

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FIRST FLOOR LIGHTING PLANS

E111

1/14/2026 2:24:07 PM

GENERAL NOTES:

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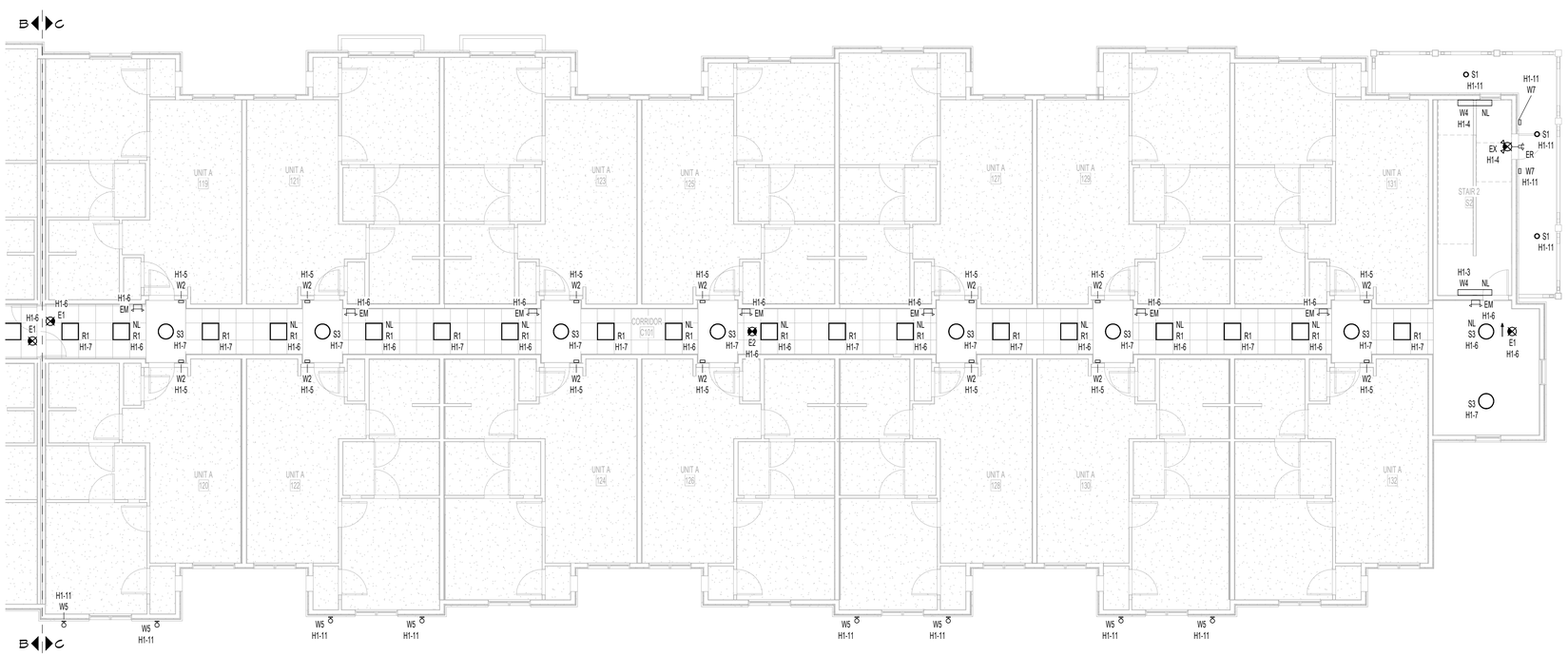
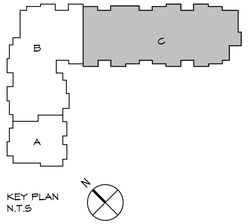


1 FIRST FLOOR LIGHTING PLAN - AREA C

1/8" = 1'-0"



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FIRST FLOOR LIGHTING PLAN

E112

1/14/2026 2:24:08 PM

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. SEE MAIN ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

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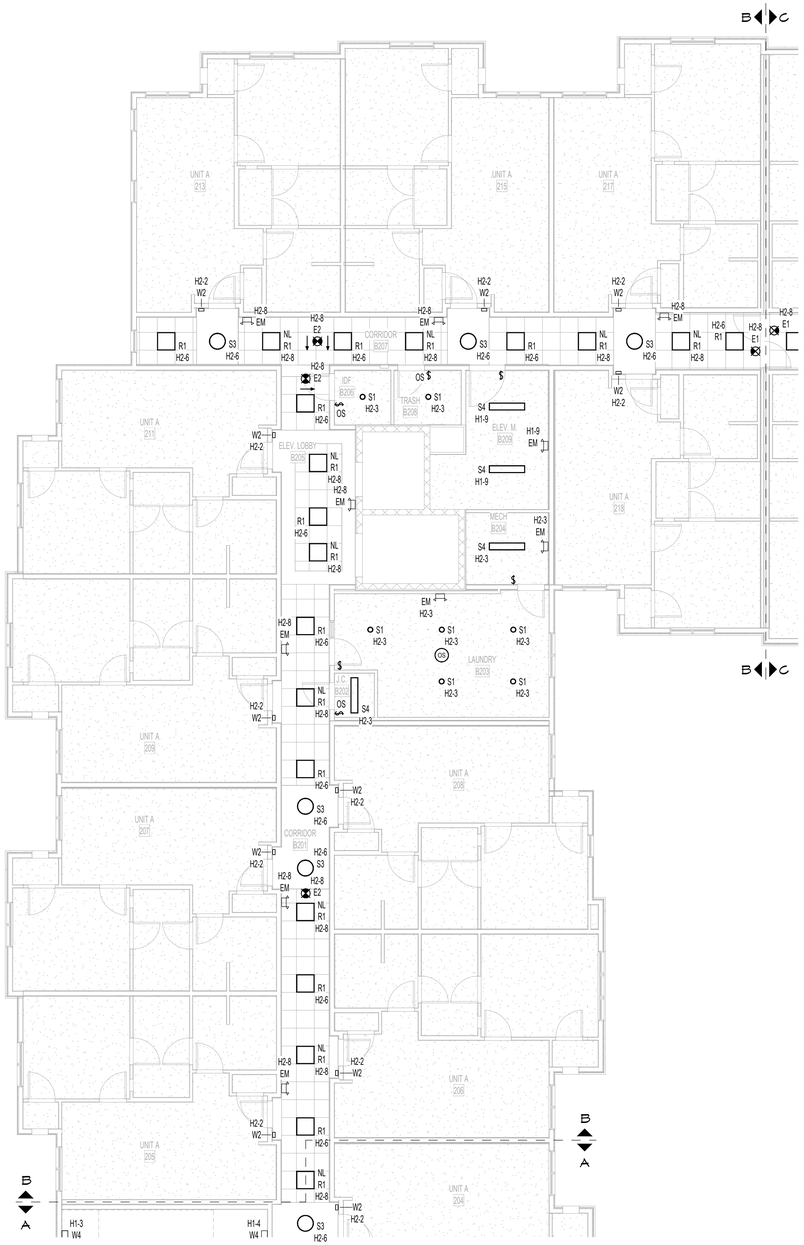
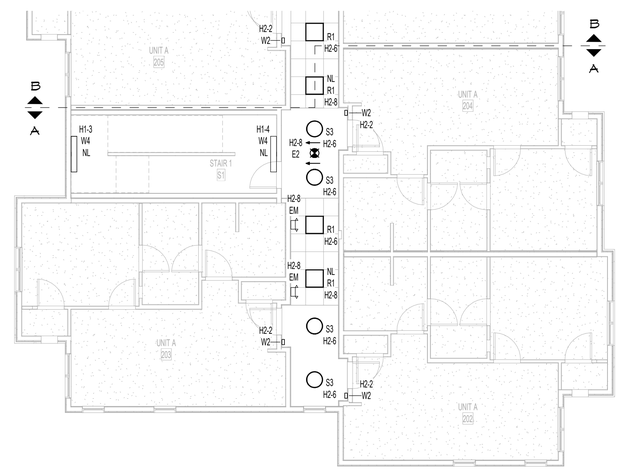


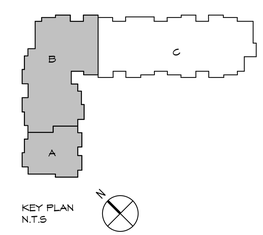
2 SECOND FLOOR LIGHTING PLAN - AREA B

1/8" = 1'-0"



1 SECOND FLOOR LIGHTING PLAN - AREA A

1/8" = 1'-0"



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SECOND FLOOR LIGHTING PLANS

E121

1/14/2026 2:24:09 PM

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. SEE MAIN ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

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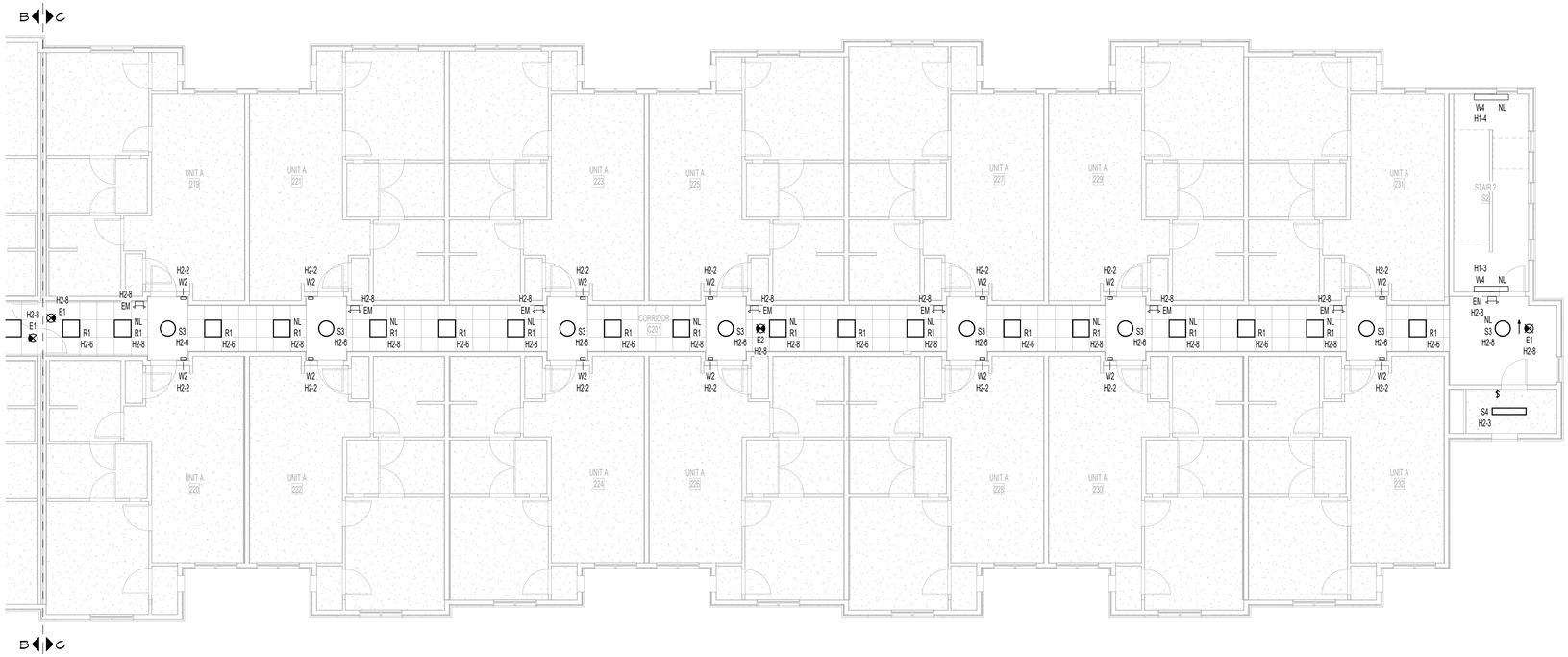
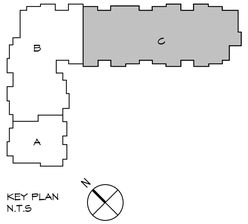


1 SECOND FLOOR LIGHTING PLAN - AREA C

1/8" = 1'-0"



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SECOND FLOOR LIGHTING PLAN

E122

1/14/2026 2:24:10 PM

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

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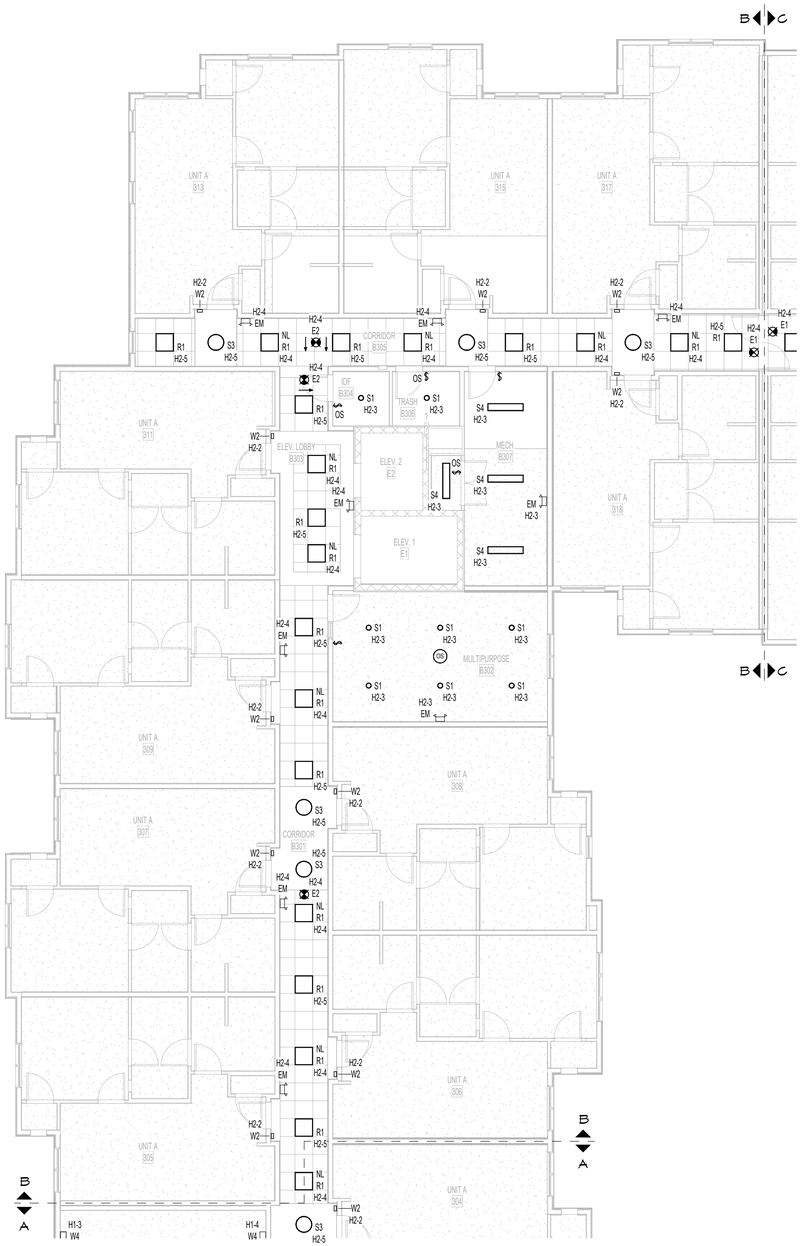
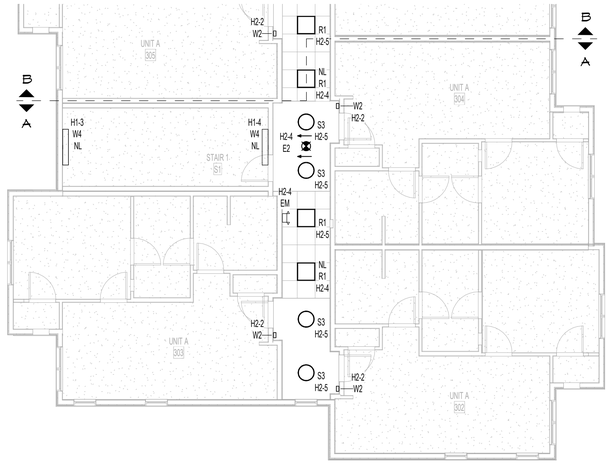


2 THIRD FLOOR LIGHTING PLAN - AREA B

1/8" = 1'-0"



1 THIRD FLOOR LIGHTING PLAN - AREA A

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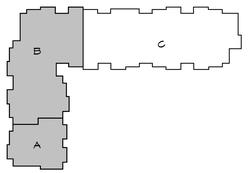

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THIRD FLOOR LIGHTING PLANS

E131

1/14/2026 2:24:11 PM

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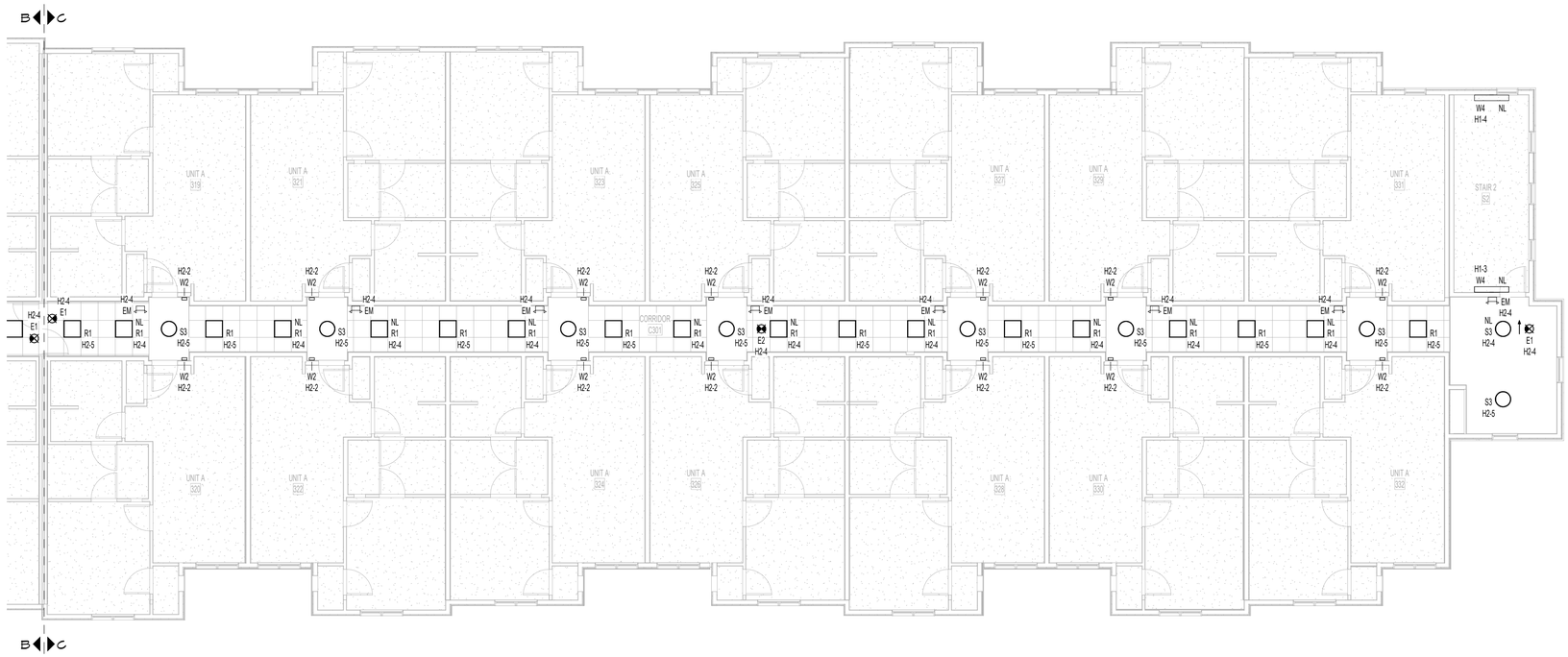
K. FOR ALL OCCUPANCY SENSORS, PROVIDE SWITCHPACK AND ALL OTHER REQUIRED HARDWARE WHERE NECESSARY. COORDINATE ALL SETTINGS WITH OWNER PRIOR TO ROUGH-IN.

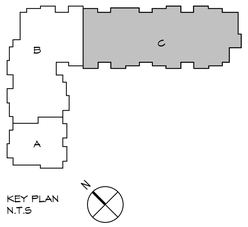
L. PROVIDE PHOTOCELL CONTROL THROUGH THE LIGHTING CONTROL PANEL FOR ALL EXTERIOR LIGHTING AND SIGNAGE. COORDINATE ALL SETTINGS WITH OWNER.

M. PROVIDE LIGHTING CONTROL PANEL(S) TO CONTROL ALL LIGHTING AND TENANT SIGNAGE. PROVIDE OVERRIDE TIMER SWITCH FOR AFTER HOURS CONTROL. SEE SHEET E601 FOR CONTROLS SCHEDULE AND MORE INFORMATION.



1 THIRD FLOOR LIGHTING PLAN - AREA C

1/8" = 1'-0"



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JOB NO. : PES 25222

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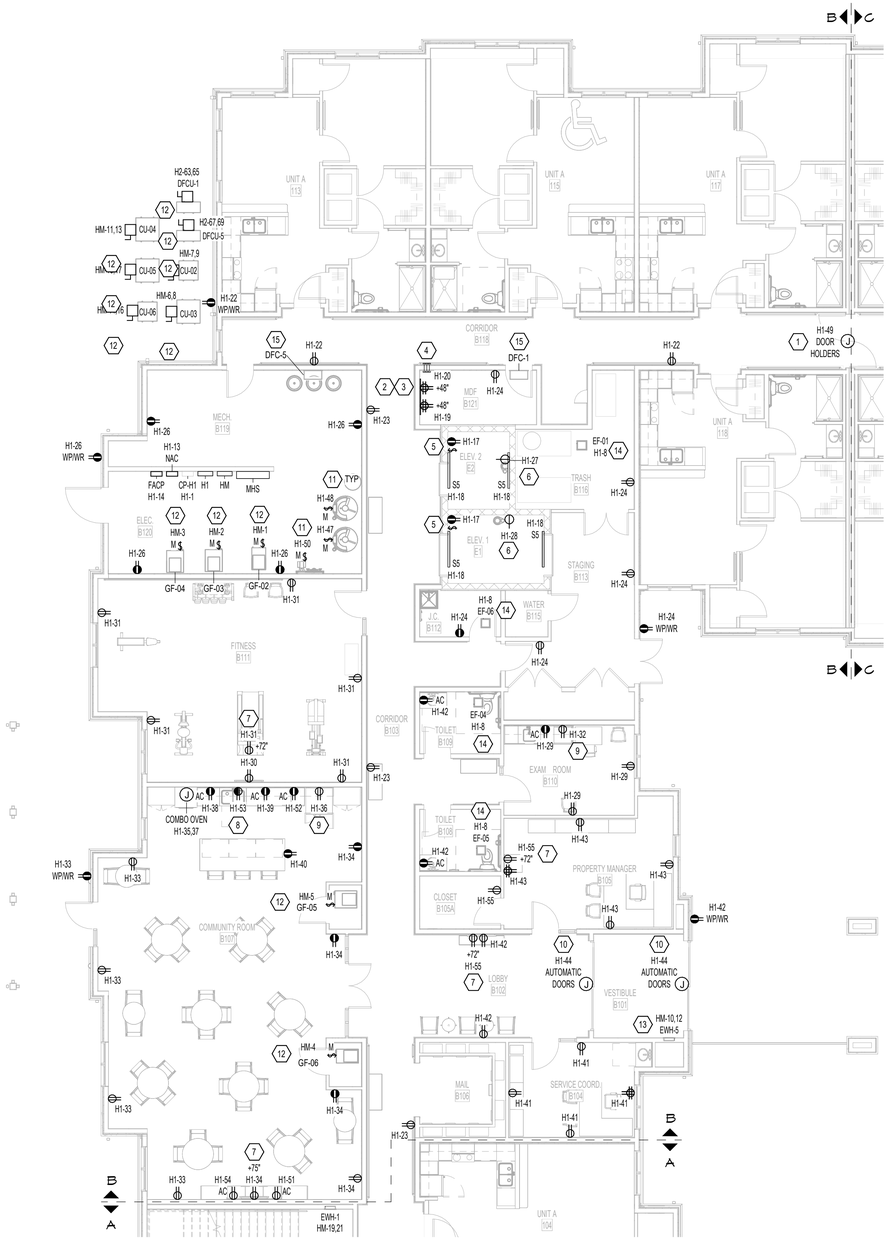
DATE : 01/07/26

THIRD FLOOR LIGHTING PLAN

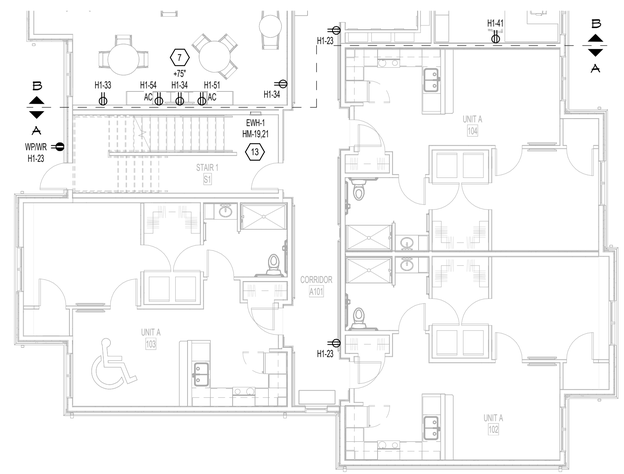
E132

1/14/2026 2:24:12 PM



2 FIRST FLOOR POWER PLAN - AREA B

1/8" = 1'-0"



1 FIRST FLOOR POWER PLAN - AREA A

1/8" = 1'-0"

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. SEE MAIN ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

C. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO ROUGH-IN.

D. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL FIXTURES AND DEVICES PRIOR TO ROUGH-IN.

E. VERIFY THE COLOR OF ALL FIXTURES, DEVICES, AND COVER PLATES WITH OWNER.

PLAN NOTES:

1. PROVIDE JUNCTION BOX WITH 120V CIRCUIT FOR CONNECTION TO MAGNETIC DOOR HOLD-OPEN DEVICES. COORDINATE WITH FIRE ALARM DESIGN.

2. PROVIDE 3/4" FIRE RATED PLYWOOD BACKBOARD FROM THE FLOOR TO 96" AFF FOR THE MOUNTING OF LOW-VOLTAGE EQUIPMENT. INCLUDE 12"x4"x1/4" COPPER GROUND BAR ON BACKBOARD. BOND GROUND BAR TO THE SERVICE GROUNDING ELECTRODE SYSTEM VIA #4 CU.

3. PROVIDE (3) 3" CONDUIT SLEEVES FROM THIS IT ROOM TO THE IT ROOM ON THE FLOOR ABOVE. INCLUDE FIRE SEALING OF CONDUIT SLEEVES.

4. PROVIDE (3) 3" CONDUIT SLEEVES FROM THE IT ROOM TO THE CORRIDOR CEILING AREA FOR LOW-VOLTAGE CABLING. INCLUDE FIRE SEALING OF CONDUIT SLEEVES.

5. PROVIDE SERVICE LIGHTS AND GFCI RECEPTACLE. MOUNT IN ELEVATOR SHAFT PER ELEVATOR EQUIPMENT SUPPLIER RECOMMENDATIONS. LUMINAIRE SHALL NOT BE CONNECTED TO THE SAME CIRCUIT AS THE SERVICE RECEPTACLE(S).

6. PROVIDE SIMPLEX RECEPTACLE FOR ELEVATOR SUMP PUMP. VERIFY ALL ELECTRICAL REQUIREMENTS AND EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.

7. COORDINATE TELEVISION MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

8. PROVIDE RECEPTACLE LOCATED BELOW KITCHEN SINK FOR CONNECTION OF DISHWASHER. ELECTRICAL CONTRACTOR SHALL PROVIDE A CORD KIT AS NEEDED. PROVIDE AFCI / GFCI DUAL FUNCTION TYPE CIRCUIT BREAKER FOR THIS CIRCUIT.

9. PROVIDE GFCI TYPE BREAKER FOR THIS CIRCUIT.

10. PROVIDE ELECTRICAL CONNECTION FOR AUTOMATIC DOOR OPENER AND INTERCONNECT WITH PUSH BUTTONS. VERIFY EXACT LOCATION OF ALL EQUIPMENT PRIOR TO ROUGH-IN.

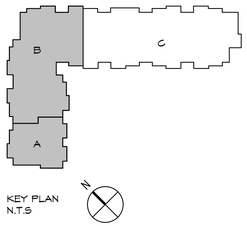
11. PROVIDE ELECTRICAL CONNECTION AND ACCESSIBLE SAFETY SWITCH TO SERVE PLUMBING EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.

12. PROVIDE ELECTRICAL CONNECTION AND ACCESSIBLE SAFETY SWITCH TO SERVE MECHANICAL EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

13. PROVIDE ELECTRICAL CONNECTION TO SERVE MECHANICAL EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

14. PROVIDE ELECTRICAL CONNECTION TO SERVE EXHAUST FAN. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. CONNECT WITH LIGHTING FOR CIRCUITRY AND CONTROLS.

15. PROVIDE INTERCONNECTION BETWEEN INDOOR AND OUTDOOR HVAC EQUIPMENT. VERIFY LOCATION AND ALL REQUIREMENTS OF EQUIPMENT PRIOR TO ROUGH-IN.



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FIRST FLOOR POWER PLANS

E211

1/14/2026 2:24:15 PM

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. SEE MAIN ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

C. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO ROUGH-IN.

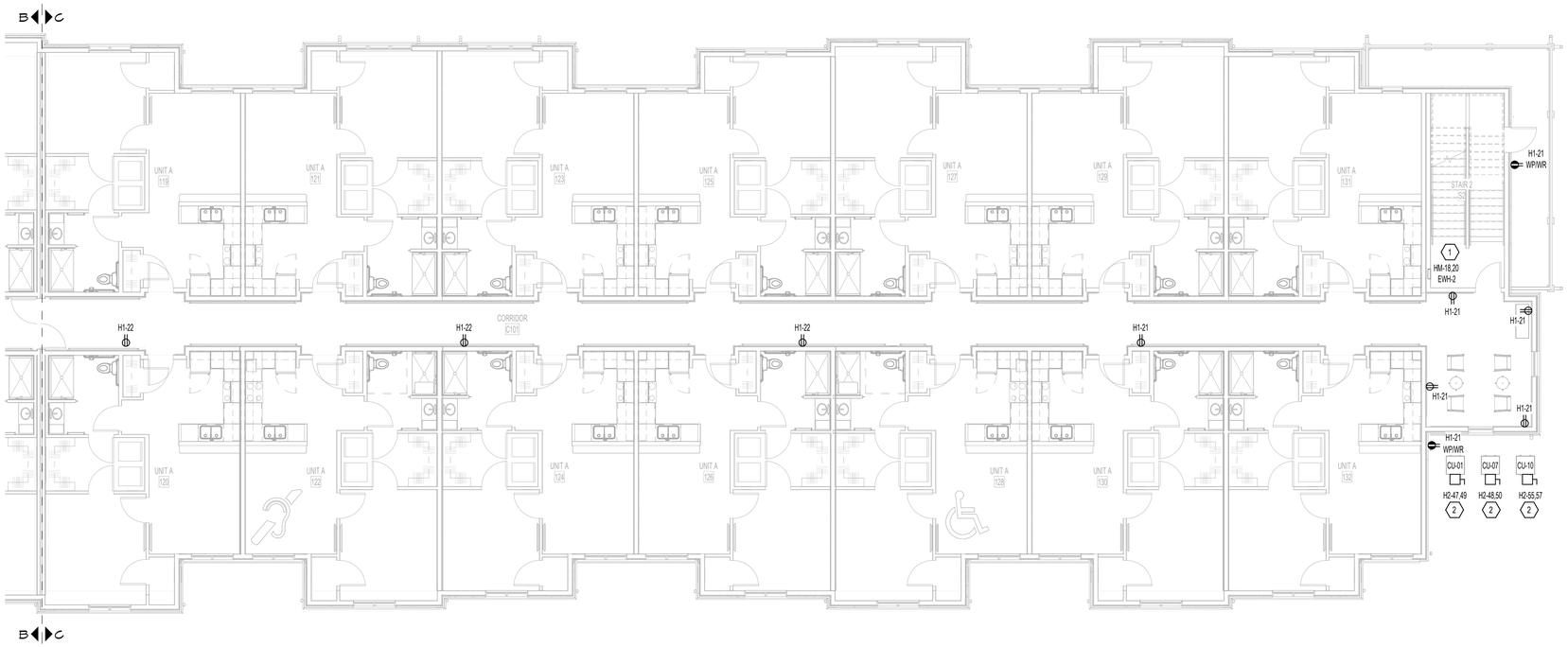
D. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL FIXTURES AND DEVICES PRIOR TO ROUGH-IN.

E. VERIFY THE COLOR OF ALL FIXTURES, DEVICES, AND COVER PLATES WITH OWNER.

PLAN NOTES:

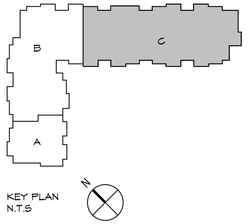
1. PROVIDE ELECTRICAL CONNECTION TO SERVE MECHANICAL EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

2. PROVIDE ELECTRICAL CONNECTION AND ACCESSIBLE SAFETY SWITCH TO SERVE MECHANICAL EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.



1 FIRST FLOOR POWER PLAN - AREA C

1/8" = 1'-0"



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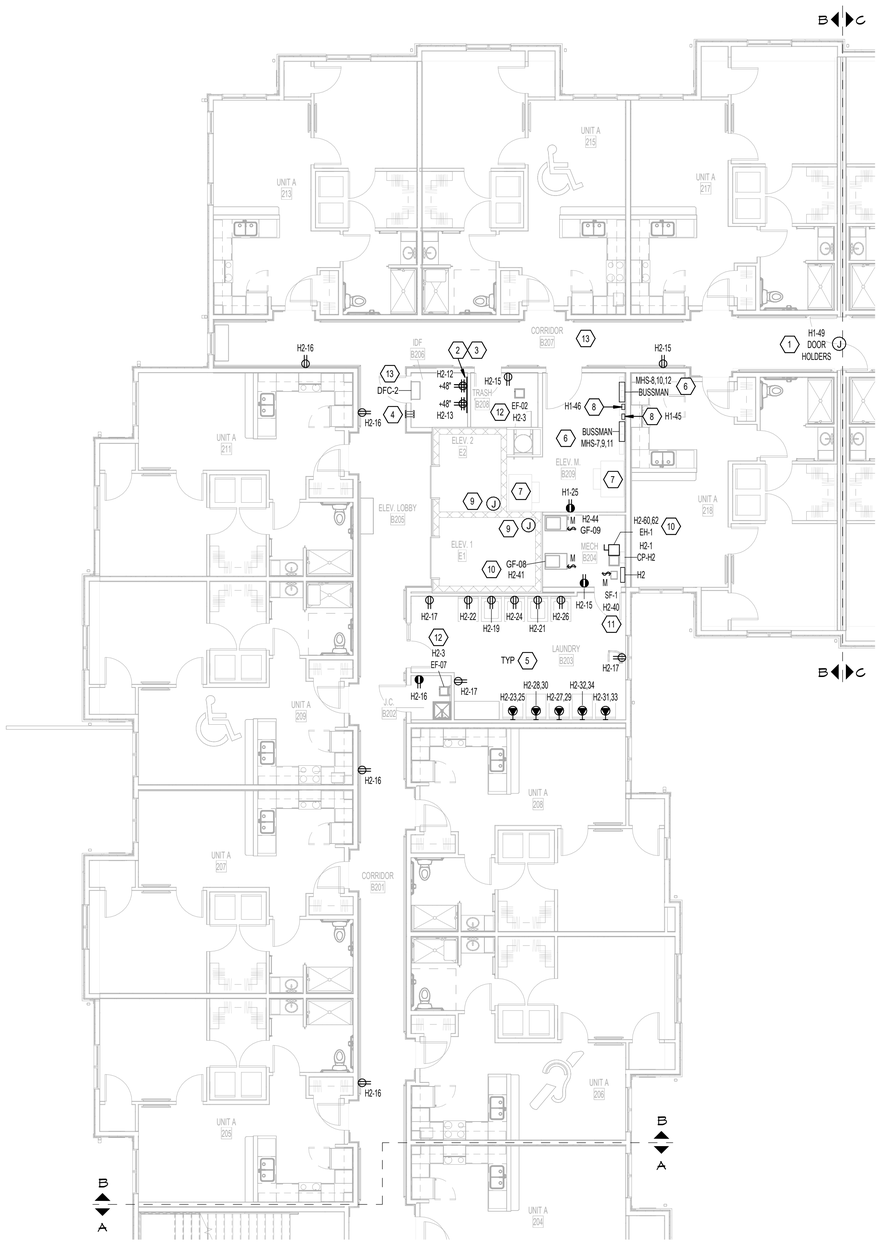
FIRST FLOOR POWER PLAN

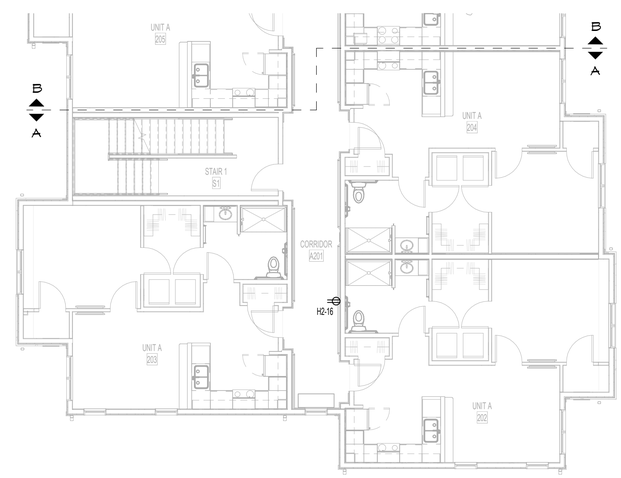
E212

1/14/2026 2:24:16 PM



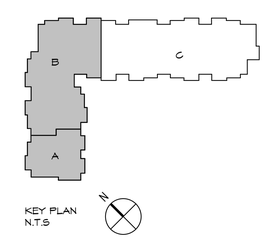
2 SECOND FLOOR POWER PLAN - AREA B

1/8" = 1'-0"



1 SECOND FLOOR POWER PLAN - AREA A

1/8" = 1'-0"



KEY PLAN
N.T.S

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. SEE MAIN ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

C. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO ROUGH-IN.

D. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL FIXTURES AND DEVICES PRIOR TO ROUGH-IN.

E. VERIFY THE COLOR OF ALL FIXTURES, DEVICES, AND COVER PLATES WITH OWNER.

PLAN NOTES:

1. PROVIDE JUNCTION BOX WITH 120V CIRCUIT FOR CONNECTION TO MAGNETIC DOOR HOLD-OPEN DEVICES. COORDINATE WITH FIRE ALARM DESIGN.

2. PROVIDE 3/4" FIRE RATED PLYWOOD BACKBOARD FROM THE FLOOR TO 96" AFF FOR THE MOUNTING OF LOW-VOLTAGE EQUIPMENT. INCLUDE 12"x4"x1/4" COPPER GROUND BAR ON BACKBOARD. BOND GROUND BAR TO THE SERVICE GROUNDING ELECTRODE SYSTEM VIA #4 CU.

3. PROVIDE (3) 3" CONDUIT SLEEVES FROM THIS IT ROOM TO THE IT ROOM ON THE FLOOR ABOVE. INCLUDE FIRE SEALING OF CONDUIT SLEEVES.

4. PROVIDE (3) 3" CONDUIT SLEEVES FROM THE IT ROOM TO THE CORRIDOR CEILING AREA FOR LOW-VOLTAGE CABLING. INCLUDE FIRE SEALING OF CONDUIT SLEEVES.

5. PROVIDE GFCI TYPE BREAKER FOR ALL WASHER AND DRYER CIRCUITS IN THIS LAUNDRY ROOM.

6. PROVIDE BUSSMAN QUICK-SPEC ELEVATOR POWER MODULE FUSED SAFETY SWITCH IN ACCESSIBLE LOCATION OUTSIDE OF THE ELEVATOR SHAFT. INTERCONNECT WITH FIRE ALARM SYSTEM. VERIFY ALL ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.

7. PROPOSED LOCATION OF THE ELEVATOR CONTROLLER. VERIFY LOCATION WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

8. PROVIDE SAFETY SWITCH FOR ELEVATOR CAB LIGHTING AND FANS. VERIFY ALL ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.

9. PROVIDE J-BOX FOR CIRCUIT CONNECTION OF THE ELEVATOR CAB LIGHTING AND FANS. VERIFY LOCATION WITH ELEVATOR CONSULTANT PRIOR TO ROUGH-IN.

10. PROVIDE ELECTRICAL CONNECTION AND ACCESSIBLE SAFETY SWITCH TO SERVE MECHANICAL EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

11. PROVIDE ELECTRICAL CONNECTION AND ACCESSIBLE SAFETY SWITCH TO SERVE CONTINUOUS EXHAUST FAN. INTERCONNECT WITH LAUNDRY MAKE-UP AIR SYSTEM. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

12. PROVIDE ELECTRICAL CONNECTION TO SERVE EXHAUST FAN. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. CONNECT WITH LIGHTING FOR CIRCUITRY AND CONTROLS.

13. PROVIDE INTERCONNECTION BETWEEN INDOOR AND OUTDOOR HVAC EQUIPMENT. VERIFY LOCATION AND ALL REQUIREMENTS OF EQUIPMENT PRIOR TO ROUGH-IN.

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SECOND FLOOR POWER PLANS

E221

1/14/2026 2:24:18 PM

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. SEE MAIN ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

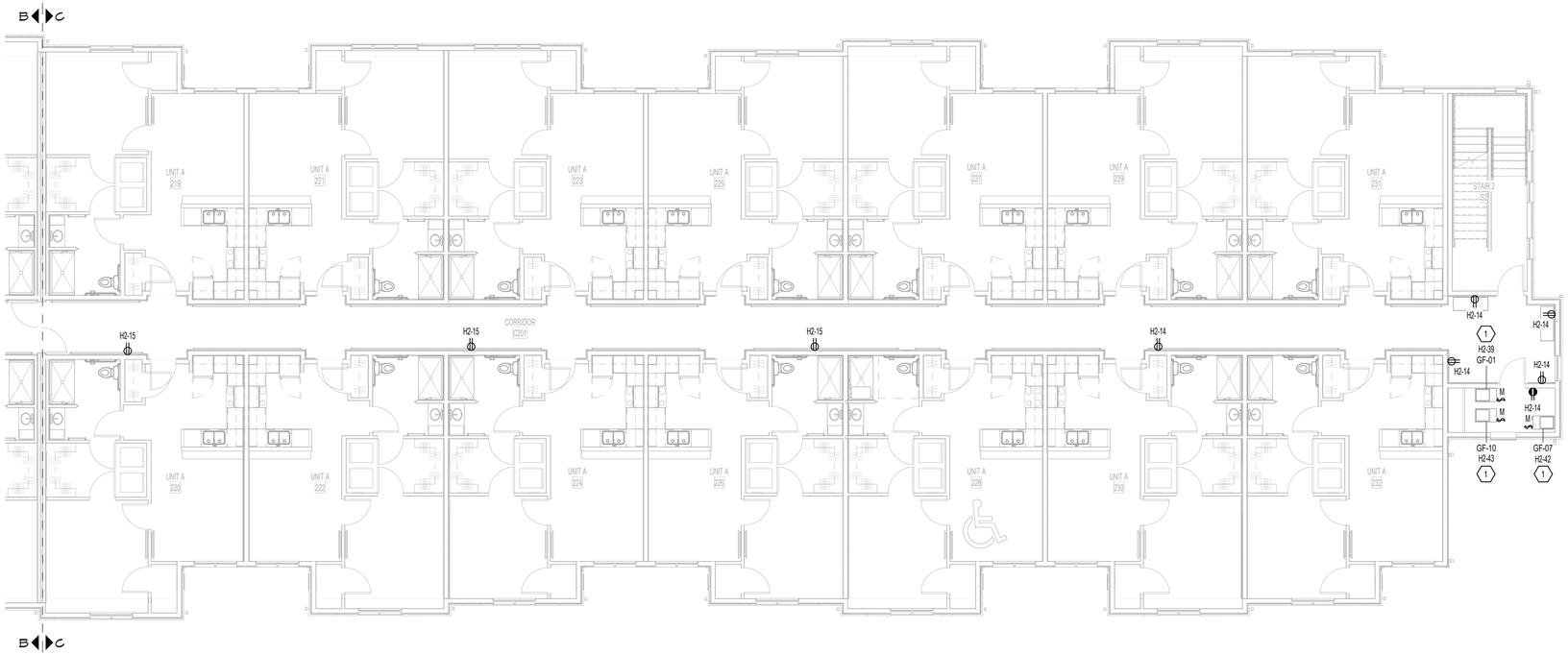
C. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO ROUGH-IN.

D. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL FIXTURES AND DEVICES PRIOR TO ROUGH-IN.

E. VERIFY THE COLOR OF ALL FIXTURES, DEVICES, AND COVER PLATES WITH OWNER.

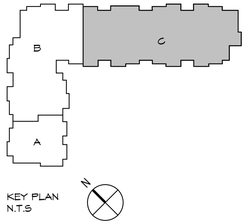
PLAN NOTES:

1. PROVIDE ELECTRICAL CONNECTION AND ACCESSIBLE SAFETY SWITCH TO SERVE MECHANICAL EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.



1 SECOND FLOOR POWER PLAN - AREA C

1/8" = 1'-0"



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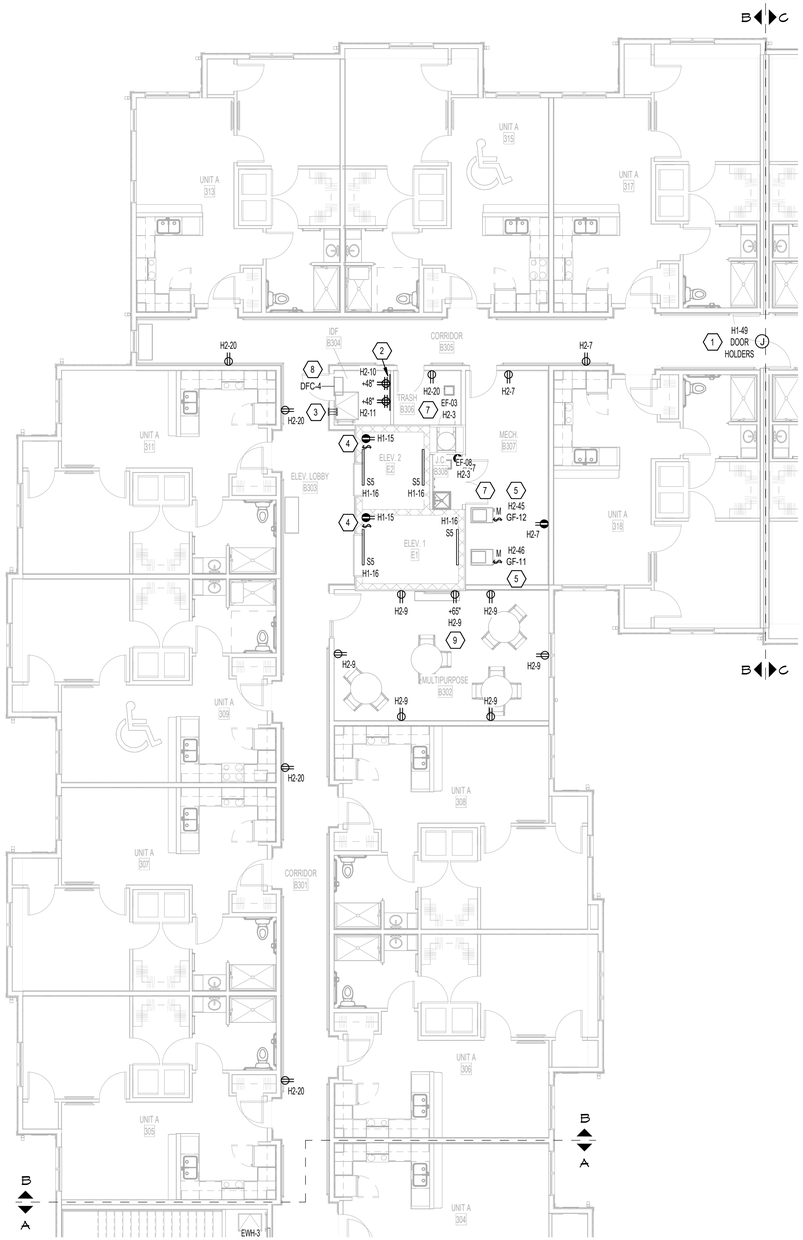
SECOND FLOOR POWER PLAN

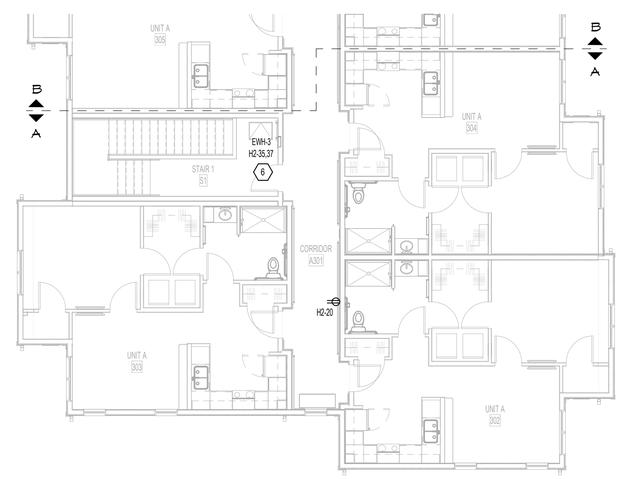
E222

1/14/2026 2:24:19 PM



2 THIRD FLOOR POWER PLAN - AREA B

1/8" = 1'-0"



1 THIRD FLOOR POWER PLAN - AREA A

1/8" = 1'-0"

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. SEE MAIN ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

C. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO ROUGH-IN.

D. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL FIXTURES AND DEVICES PRIOR TO ROUGH-IN.

E. VERIFY THE COLOR OF ALL FIXTURES, DEVICES, AND COVER PLATES WITH OWNER.

PLAN NOTES:

1. PROVIDE JUNCTION BOX WITH 120V CIRCUIT FOR CONNECTION TO MAGNETIC DOOR HOLD-OPEN DEVICES. COORDINATE WITH FIRE ALARM DESIGN.

2. PROVIDE 3/4" FIRE RATED PLYWOOD BACKBOARD FROM THE FLOOR TO 96" AFF FOR THE MOUNTING OF LOW-VOLTAGE EQUIPMENT. INCLUDE 12"x4"x1/4" COPPER GROUND BAR ON BACKBOARD. BOND GROUND BAR TO THE SERVICE GROUNDING ELECTRODE SYSTEM VIA #4 CU.

3. PROVIDE (3) 3" CONDUIT SLEEVES FROM THE IT ROOM TO THE CORRIDOR CEILING AREA FOR LOW-VOLTAGE CABLING. INCLUDE FIRE SEALING OF CONDUIT SLEEVES.

4. PROVIDE SERVICE LIGHTS AND GFCI RECEPTACLE. MOUNT IN ELEVATOR SHAFT PER ELEVATOR EQUIPMENT SUPPLIER RECOMMENDATIONS. LUMINAIRE SHALL NOT BE CONNECTED TO THE SAME CIRCUIT AS THE SERVICE RECEPTACLE(S).

5. PROVIDE ELECTRICAL CONNECTION AND ACCESSIBLE SAFETY SWITCH TO SERVE MECHANICAL EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

6. PROVIDE ELECTRICAL CONNECTION TO SERVE MECHANICAL EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

7. PROVIDE ELECTRICAL CONNECTION TO SERVE EXHAUST FAN. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. CONNECT WITH LIGHTING FOR CIRCUITRY AND CONTROLS.

8. PROVIDE INTERCONNECTION BETWEEN INDOOR AND OUTDOOR HVAC EQUIPMENT. VERIFY LOCATION AND ALL REQUIREMENTS OF EQUIPMENT PRIOR TO ROUGH-IN.

9. COORDINATE TELEVISION MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

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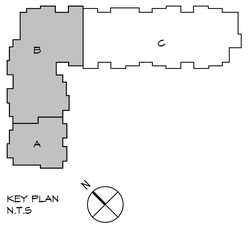
THIRD FLOOR POWER PLANS



KEY PLAN
N.T.S

E231

1/14/2026 2:24:21 PM

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. SEE MAIN ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

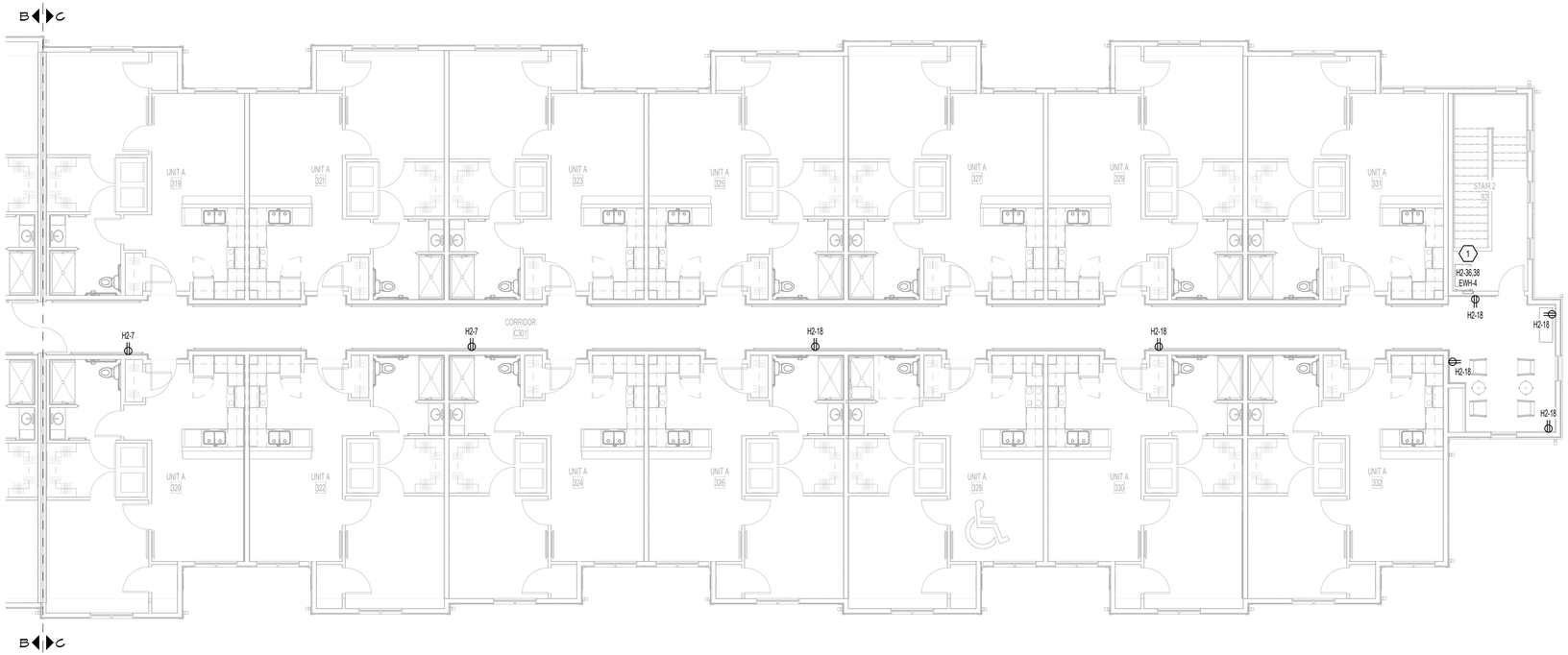
C. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO ROUGH-IN.

D. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL FIXTURES AND DEVICES PRIOR TO ROUGH-IN.

E. VERIFY THE COLOR OF ALL FIXTURES, DEVICES, AND COVER PLATES WITH OWNER.

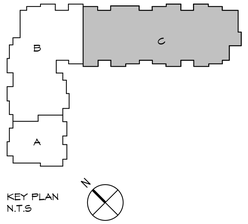
PLAN NOTES:

1. PROVIDE ELECTRICAL CONNECTION TO SERVE MECHANICAL EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.



1 THIRD FLOOR POWER PLAN - AREA C

1/8" = 1'-0"



KEY PLAN
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THIRD FLOOR POWER PLAN

E232

1/14/2026 2:24:23 PM

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. SEE MAIN ELECTRICAL GENERAL NOTES FOR MORE INFORMATION.

C. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO ROUGH-IN.

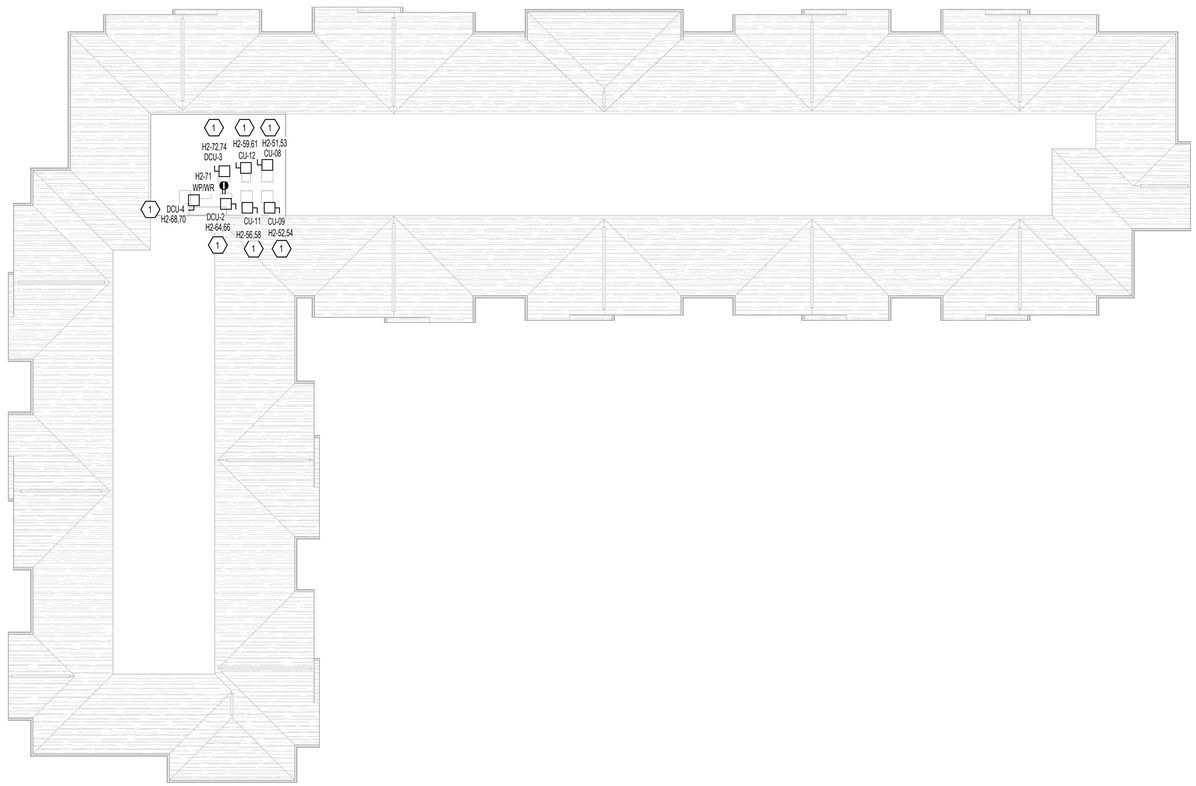
D. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL FIXTURES AND DEVICES PRIOR TO ROUGH-IN.

E. VERIFY THE COLOR OF ALL FIXTURES, DEVICES, AND COVER PLATES WITH OWNER.

PLAN NOTES:

1. PROVIDE ELECTRICAL CONNECTION AND ACCESSIBLE SAFETY SWITCH TO SERVE MECHANICAL EQUIPMENT. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER'S NAMEPLATE AND COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

2. PROVIDE INTERCONNECTION BETWEEN INDOOR AND OUTDOOR HVAC EQUIPMENT. VERIFY LOCATION AND ALL REQUIREMENTS OF EQUIPMENT PRIOR TO ROUGH-IN.



1 ROOF POWER PLAN

1/16" = 1'-0"

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ROOF POWER PLAN

E241

1/14/2026 2:24:23 PM

FIRE ALARM GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL EQUIP ALL DWELLING AND SLEEPING UNITS WITH THE CAPACITY TO SUPPORT VISUAL ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH ALL APPLICABLE CODES. COORDINATE WITH ARCHITECT/OWNER PRIOR TO ALL ROUGH-INS.

B. CONTRACTOR SHALL INSTALL TAMPER SWITCHES ON ALL VALVES BETWEEN RISER AND CITY MAIN. TIE TAMPER SWITCHES TO FACP. REFERENCE CIVIL FOR EXACT LOCATIONS OF ALL VALVES LOCATED 5' OR MORE OUTSIDE THE BUILDING.

C. PROVIDE AREA OF RESCUE ASSISTANCE 2-WAY CALL SYSTEM INCLUDING A MASTER BOX AND REMOTE BOXES. EACH REMOTE BOX SHALL TRANSMIT TO THE MASTER BOX AT 24-HOUR STAFFED LOCATION. VERIFY LOCATION OF ALL DEVICES PRIOR TO ROUGH-IN.

** NOTE **

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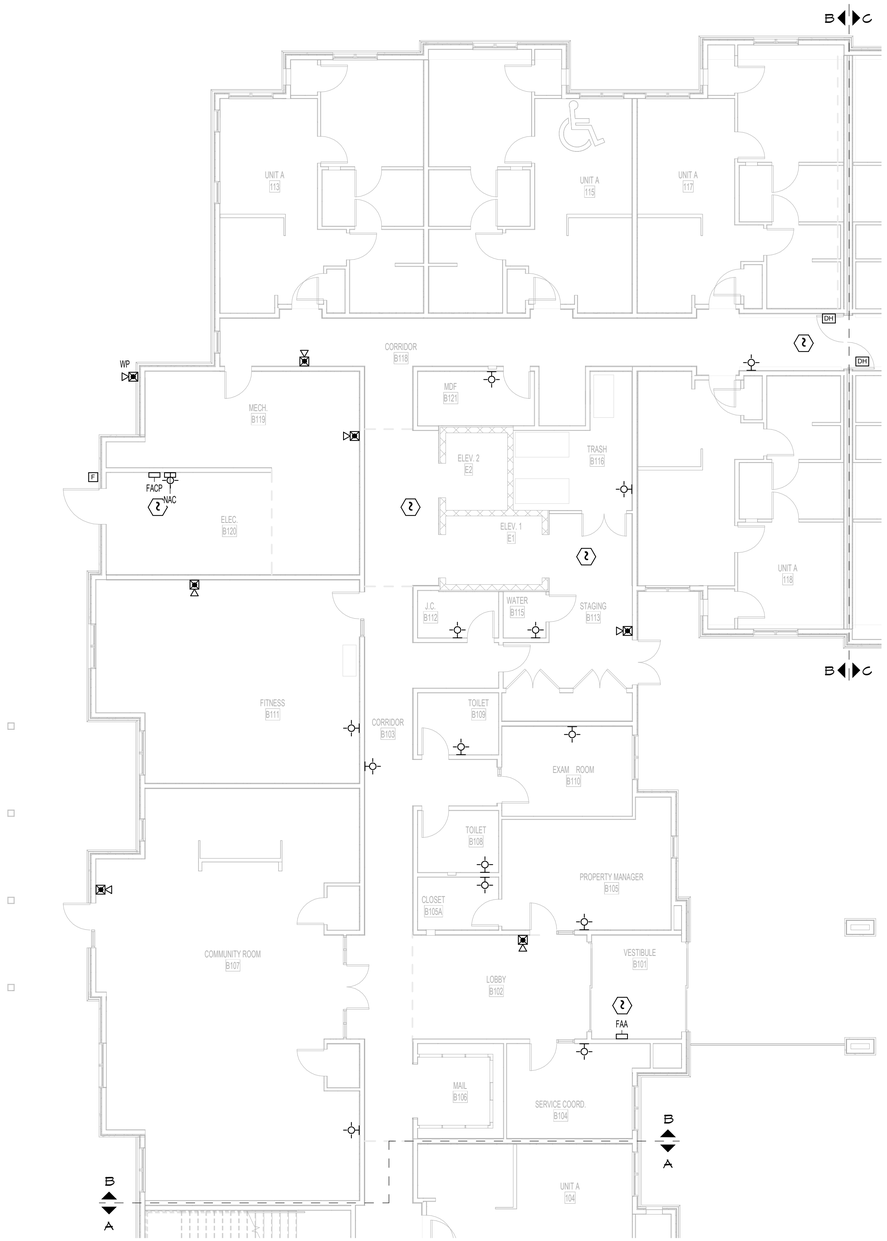
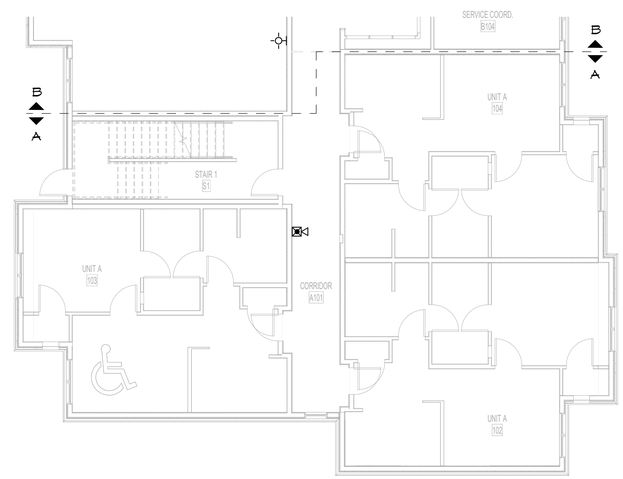


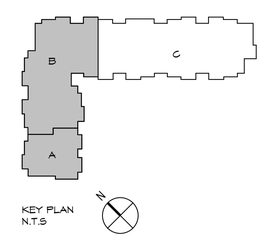
2 FIRST FLOOR FIRE ALARM PLAN - AREA B

1/8" = 1'-0"



1 FIRST FLOOR FIRE ALARM PLAN - AREA A

1/8" = 1'-0"



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FIRST FLOOR FIRE ALARM PLANS

E311

1/14/2026 2:24:24 PM

FIRE ALARM GENERAL NOTES:

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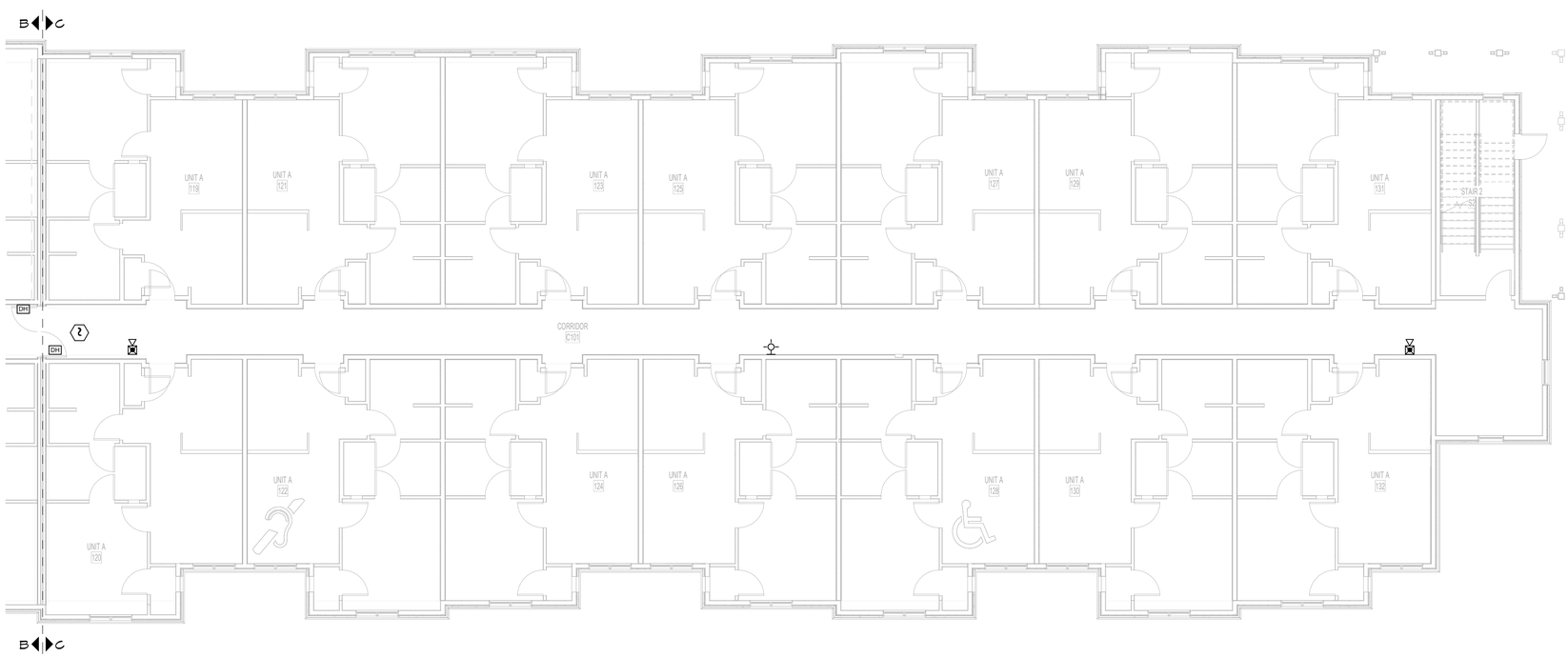
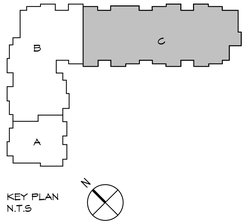


1 FIRST FLOOR FIRE ALARM PLAN - AREA C

1/8" = 1'-0"



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FIRST FLOOR FIRE ALARM PLAN

E312

1/14/2026 2:24:24 PM

FIRE ALARM GENERAL NOTES:

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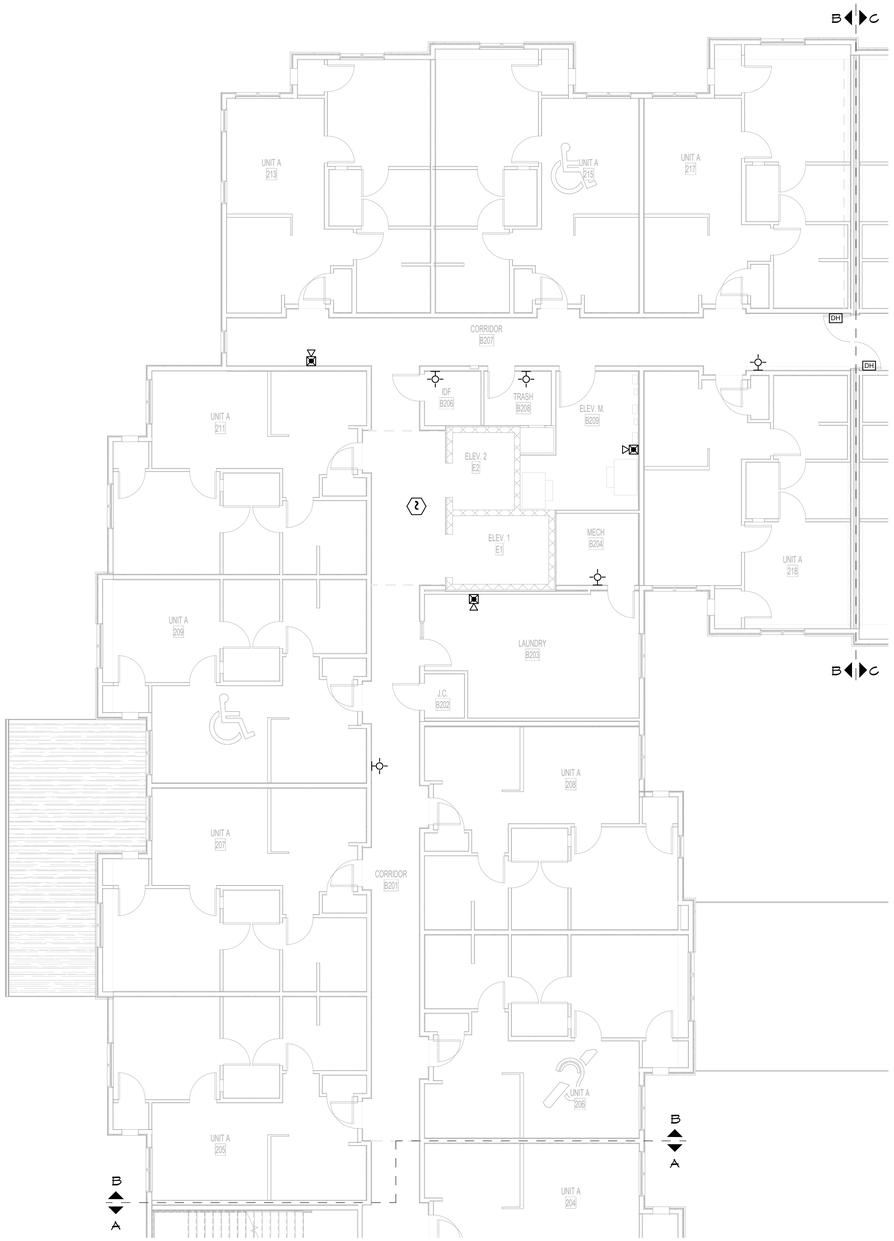
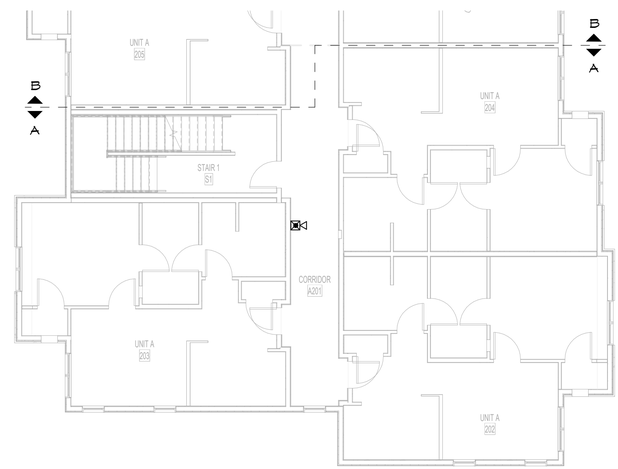


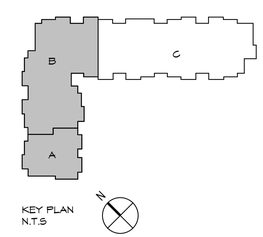
2 SECOND FLOOR FIRE ALARM PLAN - AREA B

1/8" = 1'-0"



1 SECOND FLOOR FIRE ALARM PLAN - AREA A

1/8" = 1'-0"



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SECOND FLOOR FIRE ALARM PLANS

E321

1/14/2026 2:24:25 PM

FIRE ALARM GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL EQUIP ALL DWELLING AND SLEEPING UNITS WITH THE CAPACITY TO SUPPORT VISUAL ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH ALL APPLICABLE CODES. COORDINATE WITH ARCHITECT/OWNER PRIOR TO ALL ROUGH-INS.

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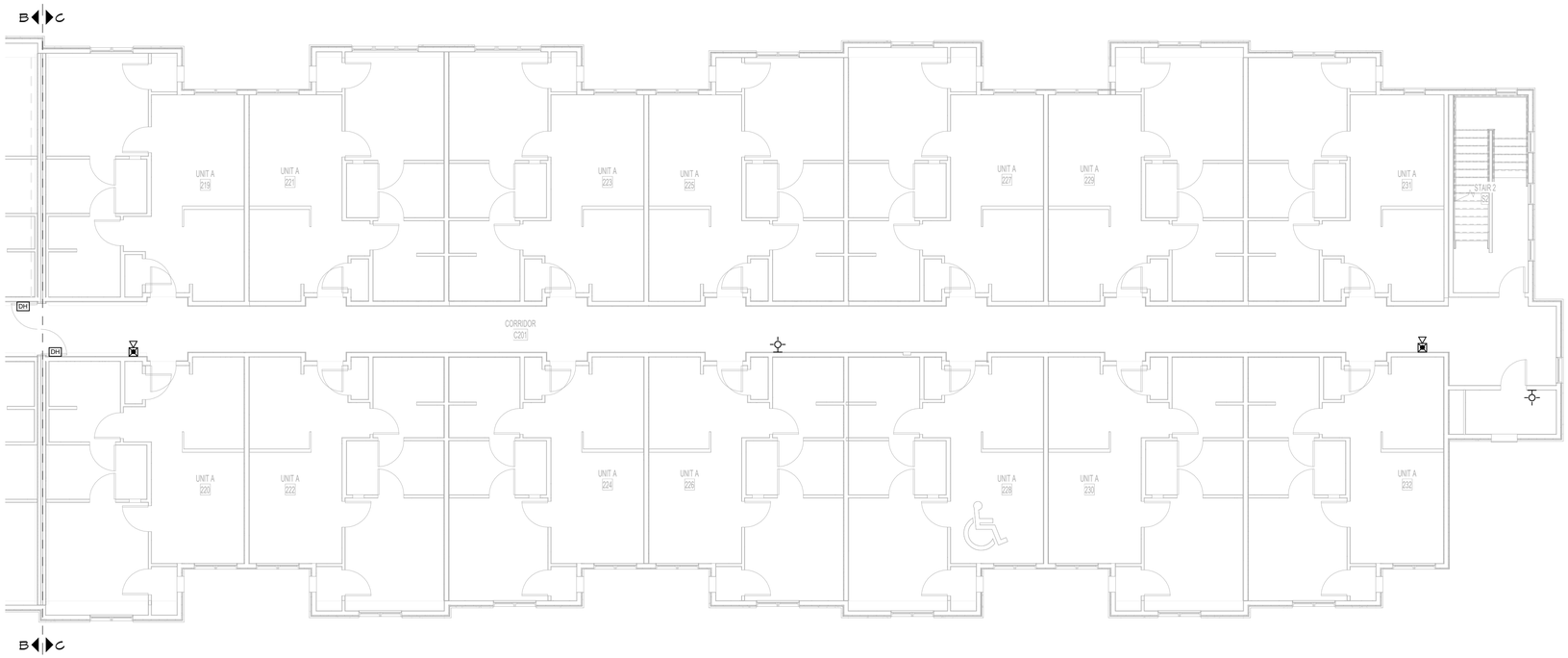
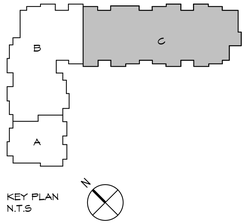


1 SECOND FLOOR FIRE ALARM PLAN - AREA C

1/8" = 1'-0"



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SECOND FLOOR FIRE ALARM PLAN

E322

1/14/2026 2:24:26 PM

FIRE ALARM GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL EQUIP ALL DWELLING AND SLEEPING UNITS WITH THE CAPACITY TO SUPPORT VISUAL ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH ALL APPLICABLE CODES. COORDINATE WITH ARCHITECT/OWNER PRIOR TO ALL ROUGH-INS.

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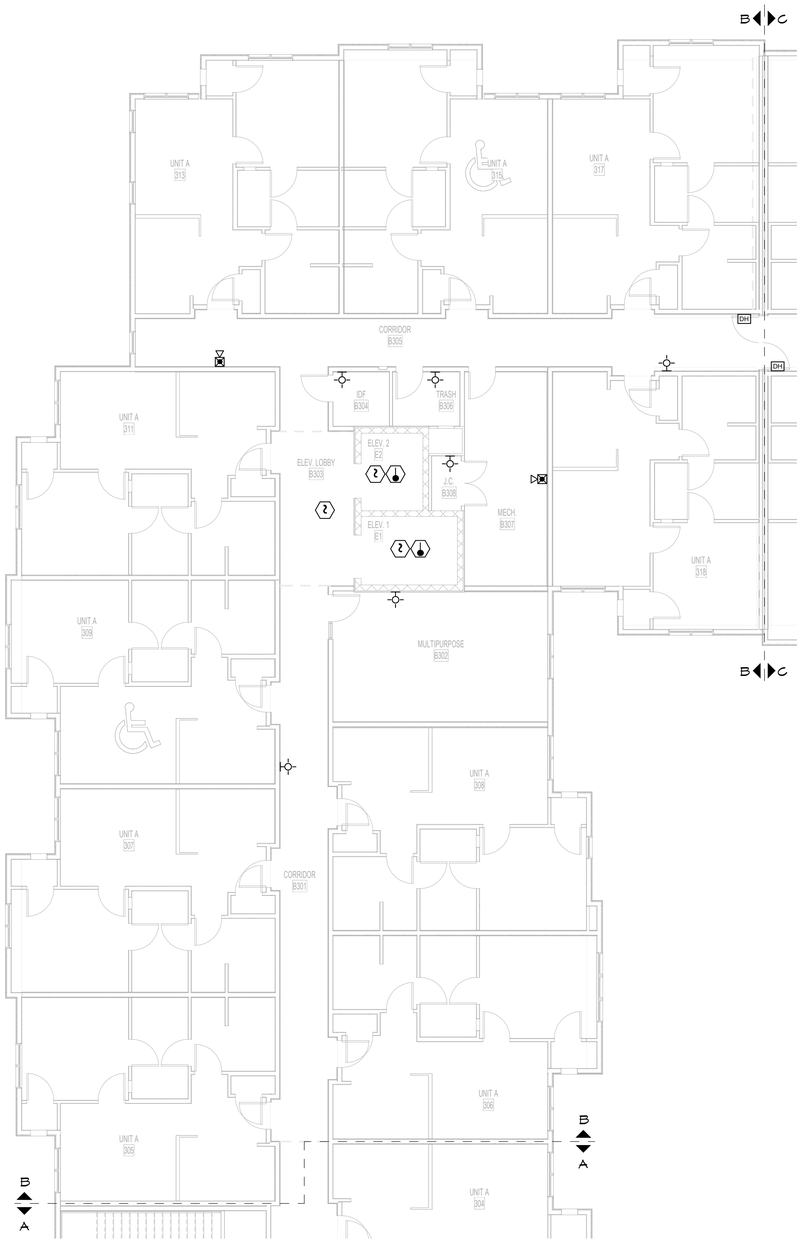
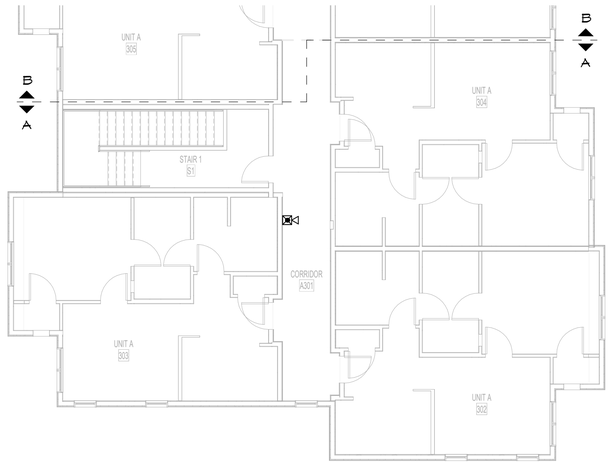


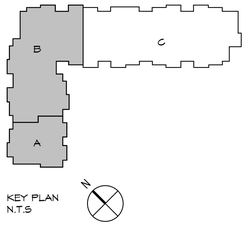
2 THIRD FLOOR FIRE ALARM PLAN - AREA B

1/8" = 1'-0"



1 THIRD FLOOR FIRE ALARM PLAN - AREA A

1/8" = 1'-0"



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THIRD FLOOR FIRE ALARM PLANS

E331

1/14/2026 2:24:21 PM

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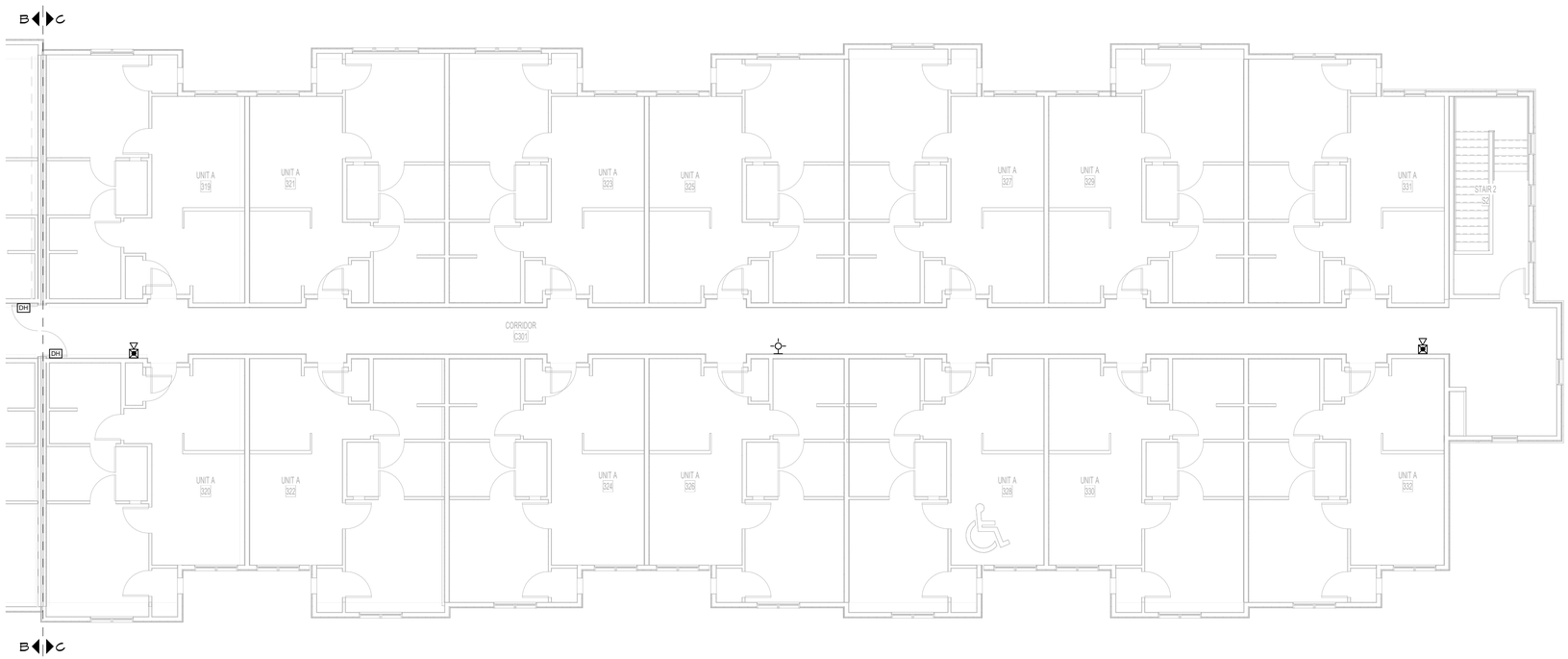
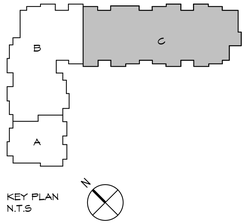


1 THIRD FLOOR FIRE ALARM PLAN - AREA C

1/8" = 1'-0"



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THIRD FLOOR FIRE ALARM PLAN

E332

1/14/2026 2:24:21 PM

DWELLING UNIT LOAD CALCS	Part IV - NEC 220.82																			
	(B)(1)				(B)(3)a			(B)(3)b	(B)(3)c	(B)(4)	220.82(B)				(C)(1)	220.82(C)	220.82(A)		
UNIT TYPE	SQUARE FEET	GENERAL LIGHTING & RECEPTACLES	SMALL APPLIANCE LOAD	LAUNDRY LOAD	REFRIGERATOR	DISHWASHER	MICROWAVE	RANGE	DRYER	OTHER APPLIANCES	GENERAL LOAD SUB-TOTAL	FIRST 10000VA AT 100%	REMAINDER AT 40%	NET COMPUTED GENERAL LOAD	100% AIR CONDITIONING AND COOLING	LARGEST HVAC LOAD	NET COMPUTED GENERAL LOAD PLUS LARGEST HVAC LOAD (VA)	OPTIONAL DEMAND LOAD CURRENT (AMPS)	UNIT OCPD
A	670	2010	3000	1500	1200	1100	1200	9000	5000	0	24010	10000	5604	15604	1381	1381	16985	82	100
A-ADA	670	2010	3000	1500	1200	1100	1200	9000	5000	0	24010	10000	5604	15604	1381	1381	16985	82	100
																	VOLTAGE	208	
																	PHASE	1	

PANEL - UA2

LOCATION: SEE UNIT PLANS
SUPPLY FROM: SEE POWER PLANS
MOUNTING: RECESSED
RATING: NEMA 1

OCP: 100 A
VOLTS: 120/208
PHASE: 1
WIRES: 3
MAINS TYPE: MLO

CKT NO.	LOAD SERVED	CKT BKR		CKT BKR	LOAD SERVED	CKT NO.
1	REFRIGERATOR	15 A		40 A	RANGE	2
3	SMALL APPLIANCE	20 A				4
5	SMALL APPLIANCE	20 A		30 A	DRYER	6
7	RANGE HOOD	20 A				8
9	DISHWASHER	20 A		15 A	VTAC	10
11	LAUNDRY	20 A				12
13	COMMON AREA	15 A		20 A	MICROWAVE	14
15	BATHROOM GFCI	20 A		--	BLANK SPACE	16
17	BEDROOM	15 A		--	BLANK SPACE	18
19	BLANK SPACE	--		--	BLANK SPACE	20
21	BLANK SPACE	--		--	BLANK SPACE	22
23	BLANK SPACE	--		--	BLANK SPACE	24
25	BLANK SPACE	--		--	BLANK SPACE	26
27	SPD	30 A		--	BLANK SPACE	28
29				--	BLANK SPACE	30

NOTES:

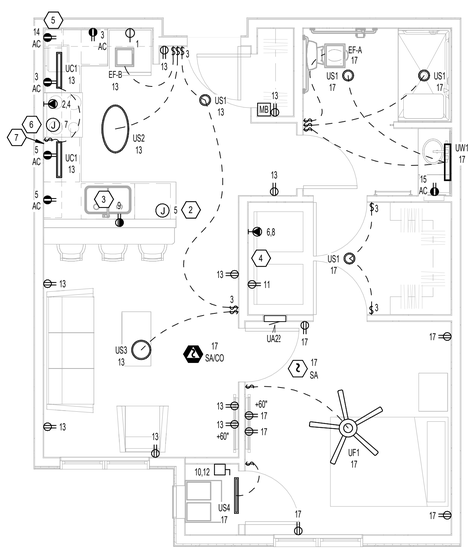
PANEL - UA1

LOCATION: SEE UNIT PLANS
SUPPLY FROM: SEE POWER PLANS
MOUNTING: RECESSED
RATING: NEMA 1

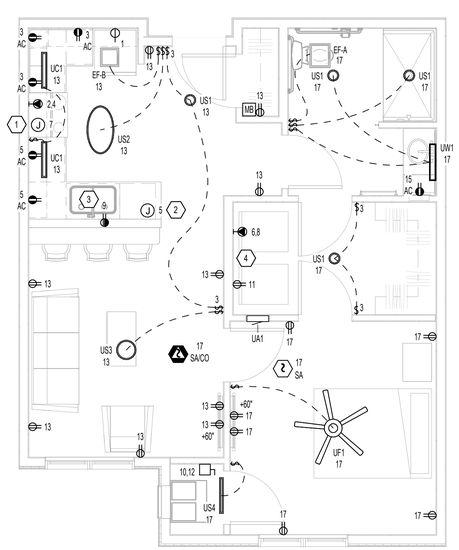
OCP: 100 A
VOLTS: 120/208
PHASE: 1
WIRES: 3
MAINS TYPE: MLO

CKT NO.	LOAD SERVED	CKT BKR		CKT BKR	LOAD SERVED	CKT NO.
1	REFRIGERATOR	15 A		40 A	RANGE	2
3	SMALL APPLIANCE	20 A				4
5	SMALL APPLIANCE	20 A		30 A	DRYER	6
7	MICROWAVE / HOOD	20 A				8
9	DISHWASHER	20 A		15 A	VTAC	10
11	LAUNDRY	20 A				12
13	COMMON AREA	15 A		--	BLANK SPACE	14
15	BATHROOM GFCI	20 A		--	BLANK SPACE	16
17	BEDROOM	15 A		--	BLANK SPACE	18
19	BLANK SPACE	--		--	BLANK SPACE	20
21	BLANK SPACE	--		--	BLANK SPACE	22
23	BLANK SPACE	--		--	BLANK SPACE	24
25	BLANK SPACE	--		--	BLANK SPACE	26
27	SPD	30 A		--	BLANK SPACE	28
29				--	BLANK SPACE	30

NOTES:



2 TYPICAL UNIT A (ADA) ELECTRICAL PLAN
1/4" = 1'-0"



1 TYPICAL UNIT A ELECTRICAL PLAN
1/4" = 1'-0"

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED THE MOST CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE, STATE CODE(S) AND LOCAL CODE(S).

B. WHEN CONFLICTS OCCUR BETWEEN THE PLANS AND OR SPECS WITH ANY LOCAL CODES, THE MOST STRINGENT REQUIREMENTS APPLY.

C. SEE MAIN ELECTRICAL GENERAL NOTES, SYMBOL LEGEND, LUMINAIRE SCHEDULE, LINETYPE LEGEND, AND ELECTRICAL NOTATIONS ON THE ELECTRICAL COVER SHEET FOR MORE INFORMATION.

D. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL FIXTURES AND DEVICES PRIOR TO ROUGH-IN. SEE DETAILS ON E5 SERIES SHEETS FOR STANDARD MOUNTING HEIGHTS.

E. ALL OUTLETS, SWITCHES, AND COVER PLATES SHALL BE WHITE IN COLOR.

F. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO ROUGH-IN.

G. NO RECEPTACLES SHALL BE MOUNTED BACK TO BACK.

H. ALL RECEPTACLES IN THE KITCHEN AND BATHROOM(S) SHALL BE GFCI PROTECTED. ALL RECEPTACLES LOCATED OUTSIDE SHALL BE GFCI TYPE AND SHALL HAVE WEATHERPROOF WHILE-IN-USE COVERS.

I. IN ALL AREAS SPECIFIED IN NEC 210.52, ALL 15 AND 20 AMP, 120 VOLT RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. PROVIDE ARC FAULT CIRCUIT BREAKERS PER NEC 210.12.

J. PROVIDE SAFETY SWITCHES FOR ALL HVAC AND PLUMBING EQUIPMENT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. VERIFY EXACT REQUIREMENTS WITH MANUFACTURERS NAMEPLATE. COORDINATE EXACT LOCATION WITH MECHANICAL AND PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.

K. DEVICES INSTALLED IN FIRE SEPARATION WALLS / CEILINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LISTING AND LABELING OF THE RATED ASSEMBLY. DO NOT INSTALL OUTLET BOXES WITHIN THE SAME STUD SPACE.

L. LIGHT FIXTURES INSTALLED IN CLOSETS SHALL CONFORM TO NEC ARTICLE 410.16.

M. ALL PRODUCTS USED FOR FIRE-STOP SYSTEMS SHALL BE RATED FOR COMMERCIAL CONSTRUCTION.

N. PROVIDE CATV / TELEPHONE / DATA BACK BOX, ROUGH-IN ONLY, UNLESS NOTED OTHERWISE.

O. SMOKE ALARMS SHALL BE CONNECTED TOGETHER SO THAT WHEN ONE SMOKE ALARM WITHIN A RESIDENCE SOUNDS, ALL SMOKE ALARMS WITHIN THAT RESIDENCE SOUND. LOCATE CEILING MOUNTED SMOKE ALARMS PER THE LATEST NFPA 72 GUIDELINES AND THE MANUFACTURERS' PUBLISHED RECOMMENDATIONS FOR THE SPECIFIC TYPE OF DETECTOR. PROVIDE HORNS IN ALL SLEEPING AREAS WITH A FUNDAMENTAL FREQUENCY OF 520hz.

P. EQUIP ALL HEARING IMPAIRED DWELLING UNITS WITH THE CAPACITY TO SUPPORT VISUAL ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH ALL APPLICABLE CODES. COORDINATE WITH ARCHITECT / OWNER PRIOR TO ALL ROUGH-INS.

Q. PANEL DESIGNATIONS WERE LEFT OFF EACH CIRCUIT TAG. THE NUMBER SHOWN NEXT TO EACH DEVICE / FIXTURE REPRESENTS THE CIRCUIT NUMBER AS SHOWN IN THE PANEL SCHEDULE FOR THIS UNIT TYPE.

R. ALL LOADCENTERS SHALL BE MOUNTED SO THAT ALL CIRCUIT BREAKERS ARE WITHIN THE REACH RANGES FOR AN UNOBSTRUCTED FORWARD OR SIDE REACH. SEE ACCESSIBILITY DETAILS FOR REACH RANGES.

S. RECEPTACLE FOR ELECTRIC RANGE / DRYER MUST BE PROVIDED WITH A GROUNDED CONDUCTOR AND AN EQUIPMENT GROUNDING CONDUCTOR PER THE NATIONAL ELECTRICAL CODE. COORDINATE MOUNTING HEIGHT PRIOR TO ROUGH-IN.

T. ALL 125V THROUGH 250V RECEPTACLES INSTALLED IN LOCATIONS SPECIFIED PER NEC 210.8(A)(1) THROUGH 210.8(A)(11) SHALL HAVE GROUND FAULT PROTECTION FOR PERSONNEL.

U. PROVIDE SURGE PROTECTION PER NEC 230.67.

PLAN NOTES:

1. PROVIDE CONNECTION FOR COMBINATION MICROWAVE / RANGE HOOD. VERIFY EXACT REQUIREMENTS WITH MANUFACTURERS NAMEPLATE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
2. PROVIDE ROUGH-IN FOR A DUPLEX RECEPTACLE TO SERVE THE KITCHEN ISLAND / PENINSULA. COORDINATE LOCATION WITH GENERAL CONTRACTOR.
3. PROVIDE RECEPTACLE LOCATED BELOW KITCHEN SINK FOR CONNECTION OF DISHWASHER. ELECTRICAL CONTRACTOR SHALL PROVIDE A CORD KIT AS NEEDED. PROVIDE AFCI / GFCI DUAL FUNCTION TYPE CIRCUIT BREAKER FOR THIS CIRCUIT.
4. PROVIDE AFCI / GFCI DUAL FUNCTION TYPE CIRCUIT BREAKERS FOR THE LAUNDRY EQUIPMENT CIRCUITS.
5. PROVIDE DEDICATED CIRCUIT AND RECEPTACLE FOR COUNTER TOP MICROWAVE. VERIFY EXACT REQUIREMENTS WITH MANUFACTURERS NAMEPLATE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
6. PROVIDE CONNECTION FOR RANGE HOOD. VERIFY EXACT REQUIREMENTS WITH MANUFACTURERS NAMEPLATE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
7. PROVIDE SWITCHES FOR HOOD LIGHT AND FAN AT ACCESSIBLE LOCATION IN ALL ADA APARTMENTS. VERIFY ADA APARTMENTS WITH ARCHITECT.

DEVICE INFORMATION:

DOORBELL ALL UNITS - EDWARDS #T005-G5
PHONE OUTLET - LEVITON #40249-W
PLATE COVER DECORA 1-GANG - LEVITON #PJ26-W
PLATE COVER DECORA 2-GANG - LEVITON #PJ262-W
PLATE COVER DECORA 3-GANG - LEVITON #PJ263-W
PLATE COVER DUPLEX - LEVITON #PJ8-W
RECEPTACLE GFCI - LEVITON #SFTR1-W
RECEPTACLE STANDARD - LEVITON #TS320-W
SMOKE ALARMS / CO - BRK #SMCO100V-AC
SWITCH STANDARD - LEVITON #5601-2W
SWITCH 3-WAY - LEVITON #5603-2W

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TYPICAL UNIT ELECTRICAL PLANS

E401

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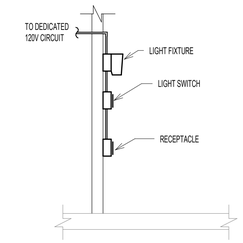
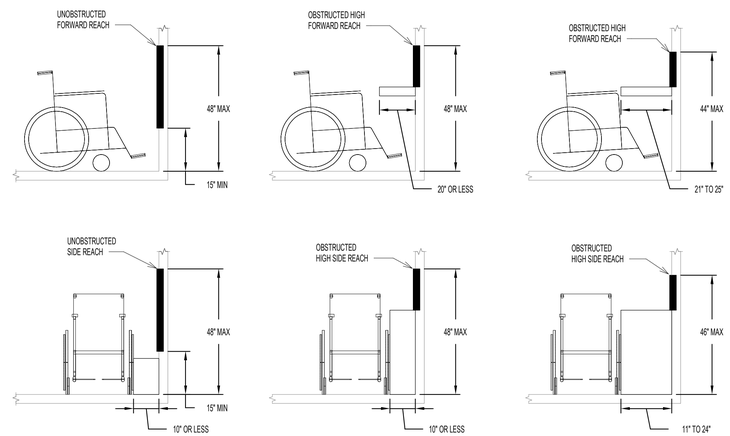


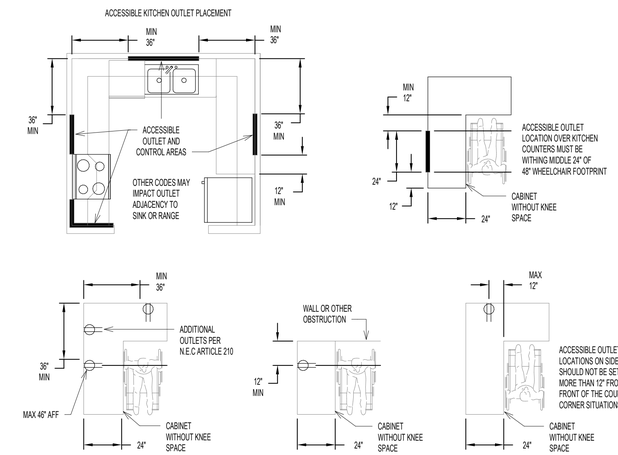
6 ELEVATOR SHAFT LIGHT & RECEPTACLE DETAIL

NTS



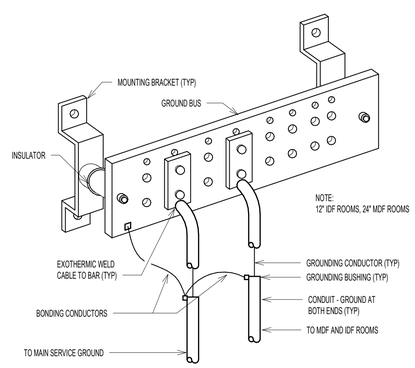
5 DEVICE MOUNTING DETAILS - ADA PER NEC ANNEX J

NTS



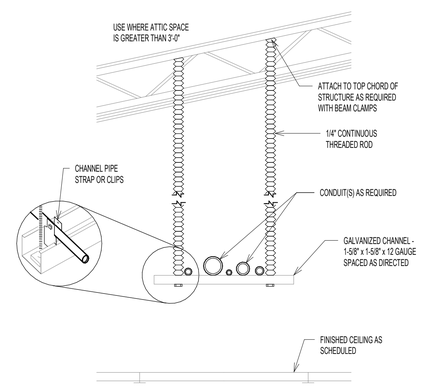
4 DEVICE MOUNTING DETAILS - ADA AT COUNTERTOPS

NTS



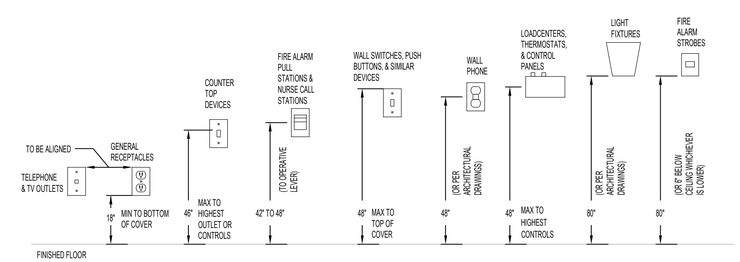
3 GROUND BUS DETAIL - COMMUNICATIONS

NTS



2 CONDUIT SUPPORT DETAIL

NTS



OTHER DEVICES (TO CENTER)	AFF (UNO)
REFRIGERATOR	VERIFY
WASHER AND DRYER	VERIFY
MICROWAVE / RANGE HOOD	78"
RANGE	12"
DISHWASHER	12"
DISPOSER	12"

EXCEPTION:

THESE REQUIREMENTS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL AND COMMUNICATIONS SYSTEMS RECEPTACLES ARE NOT NORMALLY INTEDED FOR USE BY BUILDING OCCUPANTS.

FOR CONTOLS OR OUTLETS REQUIRED TO BE ACCESSIBLE, REFER TO ACCESSIBLE MOUNTING DETAILS.

1 DEVICE MOUNTING DETAILS - GENERAL

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ELECTRICAL DETAILS

E501

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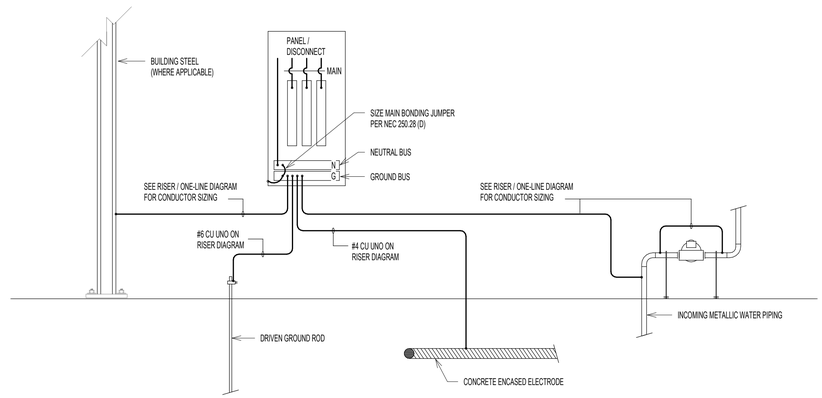
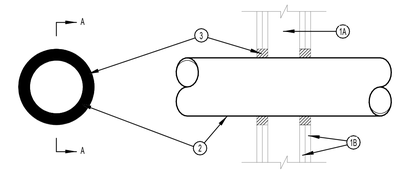


6 GROUNDING ELECTRODE SYSTEM AT SERVICE MAIN DETAIL

NTS



SECTION A-A

1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. OC. WHEN STEEL STUDS ARE USED AND THE DIAM OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. WIDER AND 4 TO 6 IN. HIGHER THAN THE DIAM OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.

B. GYPSUM BOARD* – 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 32-1/4 IN. FOR STEEL STUD WALLS. MAX DIAM OF OPENING IS 14-1/2 IN. FOR WOOD STUD WALLS. THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.

2. THROUGH-PENETRANTS – ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 2-1/4 IN. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

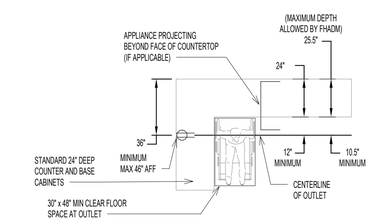
A. STEEL PIPE – NOM 30 IN DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE – NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. CONDUIT – NOM 4 IN DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. DIAM STEEL CONDUIT.
D. COPPER TUBING – NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
E. COPPER PIPE – NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. FILL, VOID OR CAVITY MATERIAL* – SEALANT – MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC – FS-ONE SEALANT
*BEARING THE UL CLASSIFICATION MARK

4 FIRE RATED WALL PENETRATION DETAIL

NTS



NOTE: ELECTRICAL OUTLETS ON WALLS OVER CABINETS MUST BE A MINIMUM OF 36" FROM A CORNER

FIGURE 1: ELECTRICAL OUTLETS OVER CABINETS AND/OR COUNTERTOPS AT CORNER CONDITIONS - FAIR HOUSING ACT DESIGN MANUAL (FHADM) PAGE 5.8

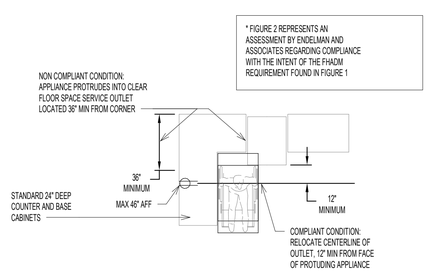
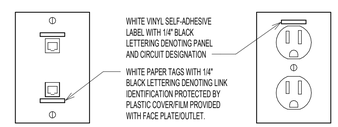


FIGURE 2: ALTERNATIVE LOCATION FOR ELECTRICAL OUTLETS OVER CABINETS AND/OR COUNTERTOPS AT CORNER CONDITIONS *

3 FAIR HOUSING ACT DESIGN MANUAL PAGE 5.8

NTS

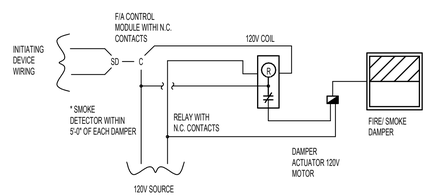


5 IDENTIFICATION DETAILS - DEVICES

NTS

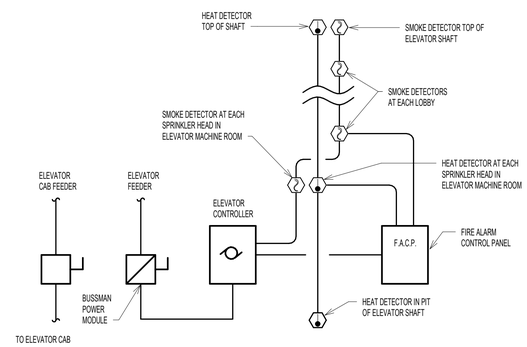
NOTE:

1. DIVISION 26 CONTRACTOR SHALL COORDINATE WITH DIVISION 23 CONTRACTORS AND PROVIDE SMOKE DETECTOR, CONTROL MODULE, RELAY, 120 VOLT CIRCUIT AND WIRING. SEE MECHANICAL DRAWINGS FOR EXACT QUANTITY AND LOCATION. 120 VOLT CIRCUIT SHALL BE FROM 1P-20A, 120V CIRCUIT IN CORRIDOR TO CONTROLS.
2. GENERAL CONTRACTOR MAY ASSIGN THE ABOVE WORK TO EACH DIVISION AS DESIRED. HE SHALL BE REQUIRED TO PROVIDE A COMPLETE, OPERATING FIRE MARSHAL APPROVED SYSTEM.
3. *WITH FULL COVERAGE SMOKE DETECTION & APPROVAL FROM FIRE MARSHALL. THIS REQUIREMENT MAY BE DELETED AND DAMPER MAY BE CONTROLLED BY AN ALTERNATE SMOKE DETECTOR, LOCATION.



2 FIRE / SMOKE DAMPER WIRING DETAIL

NTS



NOTES:

1. WIRING IS TYPICAL FOR EACH ELEVATOR.
2. COORDINATE OPERATION OF ELEVATOR WITH AUTHORITY HAVING JURISDICTION FOR USE AS MEANS OF EGRESS.
3. EACH SMOKE DETECTOR SHALL HAVE A CONTACT CONNECTED TO EACH ELEVATOR CONTROLLER IN THE BANK OF ELEVATORS
4. HEAT DETECTORS SHALL HAVE AUXILLARY CONTACT TO SHUNT TRIP ELEVATOR CONTROLLER POWER UPON ACTIVATION.
5. INCLUDE CONDUIT AND WIRING FROM GENERATOR TRANSFER SWITCH TO ELEVATOR CONTROLLER FOR GENERATOR STATUS MONITIORING (IF APPLICABLE).

1 ELEVATOR CONTROL SCHEMATIC DETAIL

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ELECTRICAL DETAILS

E502

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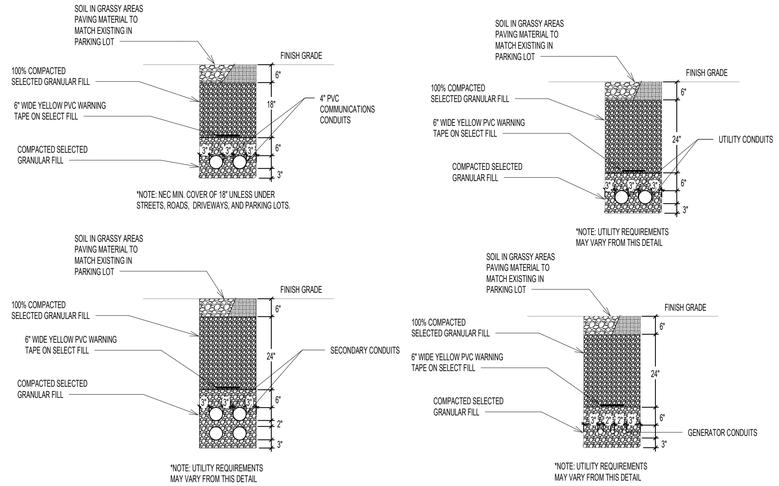
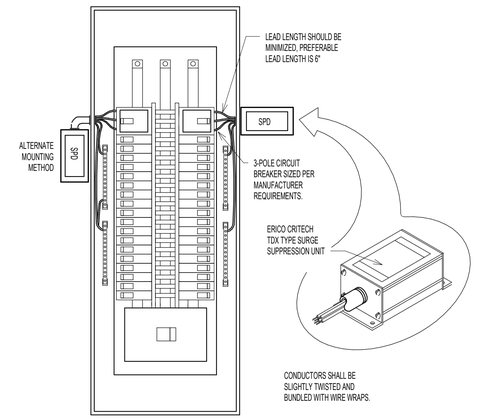


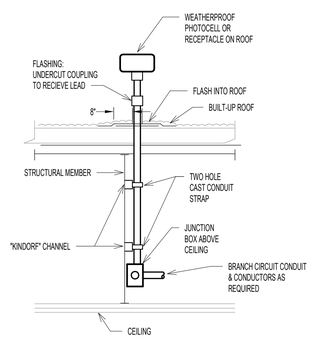
5 TRENCHING DETAILS

NTS



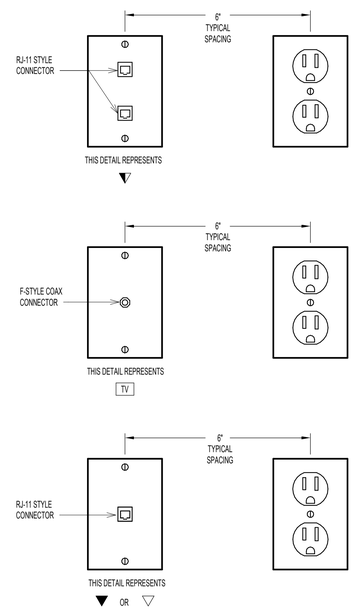
4 SURGE PROTECTION DEVICE (SPD) DETAIL

NTS



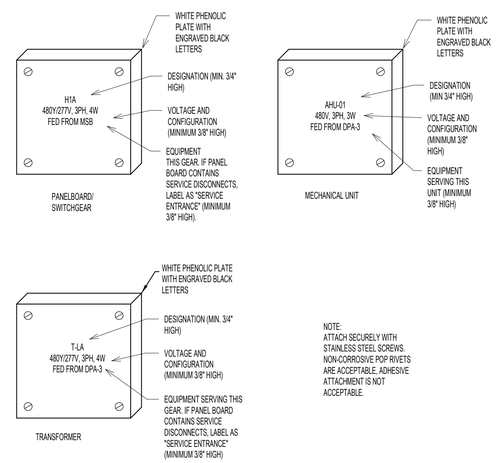
3 ROOF MOUNTED PHOTOCELL OR RECEPTACLE DETAIL

NTS



2 OUTLET DETAILS

NTS



NOTE:
ATTACH SECURELY WITH STAINLESS STEEL SCREWS. NON-CORROSIVE POP RIVETS ARE ACCEPTABLE. ADHESIVE ATTACHMENT IS NOT ACCEPTABLE.

1 IDENTIFICATION DETAILS - EQUIPMENT

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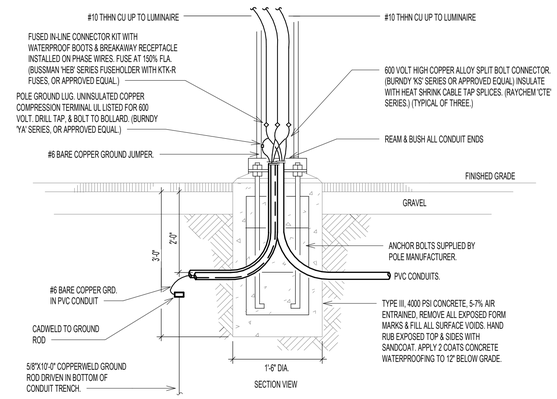
ELECTRICAL DETAILS

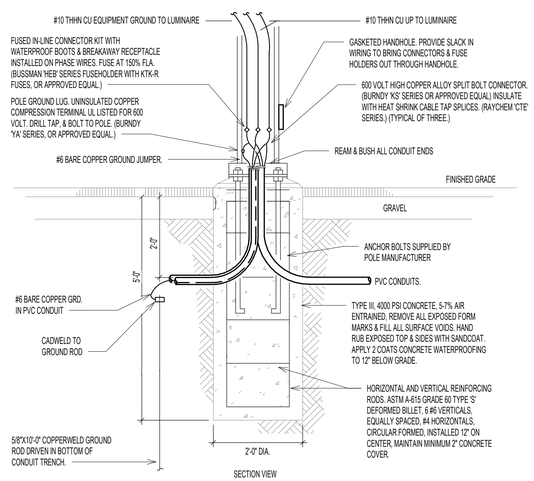
E503

1/14/2026 2:24:29 PM



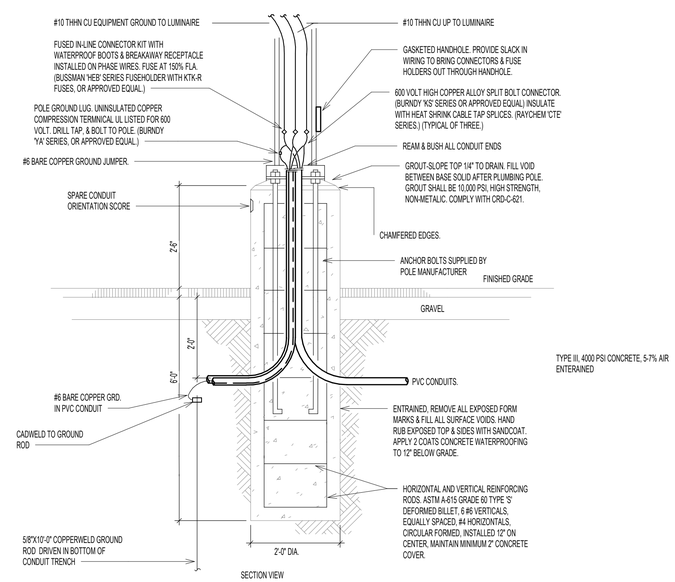
3 SITE LIGHTING BOLLARD BASE DETAIL

NTS



2 SITE LIGHTING POLE BASE DETAIL - FLUSH

NTS



1 SITE LIGHTING POLE BASE DETAIL - 2.5FT

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NO.	DATE	REVISION

JOB NO. : PES 25222
PHASE : CONSTRUCTION DOCUMENTS
ISSUED FOR : 80% OWNER REVIEW
DATE : 01/07/26

ELECTRICAL DETAILS

E504

1/14/2026 2:24:50 PM

CONTROLS SCHEDULE

PROVIDE RELAY CONTROL PANEL(S) ACUITY ARP SERIES (OR EQUAL) WITH QUANTITY OF RELAYS AS SHOWN BELOW.

COORDINATE WITH OWNER FOR ADDITIONAL CICUITS TO BE CONTROLLED.

PROVIDE SYSTEM START-UP, PROGRAMMING, AND TRAINING FOR THE OWNER.

CONTROL TYPE	PANEL	CIRCUIT	CIRCUIT DESCRIPTION	VOLTAGE	CONTROLLED VIA
CP-H1	H1	2	MONUMENT SIGN	120 V	TIMECLOCK / PHOTOCELL
CP-H1	H1	5	UNIT ENTRY LIGHTING	120 V	TIMECLOCK
CP-H1	H1	7	CORRIDOR LIGHTING	120 V	TIMECLOCK
CP-H1	H1	10	SITE LIGHTING	120 V	TIMECLOCK / PHOTOCELL
CP-H1	H1	11	EXTERIOR LIGHTING	120 V	TIMECLOCK / PHOTOCELL
CP-H2	H2	2	UNIT ENTRY LIGHTING	120 V	TIMECLOCK
CP-H2	H2	5	CORRIDOR LIGHTING	120 V	TIMECLOCK
CP-H2	H2	6	CORRIDOR LIGHTING	120 V	TIMECLOCK
NONE	H1	3	STAIR LIGHTING	120 V	N/A
NONE	H1	4	STAIR LIGHTING	120 V	N/A
NONE	H1	6	NL LIGHTING	120 V	N/A
NONE	H2	4	NL LIGHTING	120 V	N/A
NONE	H2	8	NL LIGHTING	120 V	N/A
OTHER	H1	8	BOH LIGHTING	120 V	OCC SENSOR
OTHER	H1	9	ELEVATOR MACHINE ROOM LTG	120 V	MANUAL SWITCH
OTHER	H1	12	AMENITY LIGHTING	120 V	OCC SENSOR
OTHER	H2	3	BOH LIGHTING	120 V	OCC SENSOR

LUMINAIRE SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	VOLTAGE	LAMP TYPE	KELVIN	WATTS	LUMENS	MOUNTING TYPE	DESCRIPTION / REMARKS
A1	LITHONIA	DSXB LED 12C 700 40K ASY MVOLT	120	LED	4000	31 VA	2335	GROUND	AREA LIGHT BOLLARD
A2	LITHONIA	MRP LED 42C 700 40K SR5 MVOLT / RSS 12 4B PT	120	LED	4000	100 VA	7997	12' POLE	AREA LIGHT POST TOP TYPE V DISTRIBUTION
A3	LITHONIA	DSX1 LED P4 40K 80CRI T3M MVOLT SPA HS / SSS QS 20 4C DM19AS	120	LED	4000	124 VA	16032	20' POLE	AREA LIGHT TYPE III DISTRIBUTION WITH HOUSE SIDE SHIELD
A4	LITHONIA	DSX1 LED P4 40K 80CRI T5W MVOLT SPA / SSS QS 20 4C DM19AS	120	LED	4000	124 VA	17013	20' POLE	AREA LIGHT TYPE V DISTRIBUTION
A5	LITHONIA	ESXF1 AL0 SWW2 KY DDB 3000L 4000K UNV 80CRI	120	LED	4000	19 VA	3099	KNUCKLE & YOKE	FLAG POLE FLOOD LIGHT
E1	RP LIGHTING	RXL33-RW	120	LED	N/A	4 VA	N/A	RECESSED	EDGE-LIT EXIT SIGN - 1-SIDED
E2	RP LIGHTING	RXL34-RW	120	LED	N/A	4 VA	N/A	RECESSED	EDGE-LIT EXIT SIGN - 2-SIDED
EM	ELCO LIGHTING	EE80L	120	LED	N/A	4 VA	N/A	SURFACE	EMERGENCY EGRESS LIGHT
ER	RP LIGHTING	RH20	3.6	LED	N/A	0 VA	N/A	SURFACE	EMERGENCY EGRESS REMOTE LIGHT
EX	RP LIGHTING	RXEL39-1RW	120	LED	N/A	3 VA	N/A	SURFACE	EXIT SIGN / EGRESS COMBO WITH REMOTE HEAD CAPABILITY
P1	GENERATION LIGHTING	61160EN3-962	120	LED	3000	9 VA	800	PENDANT	MINI PENDANT - VERIFY MOUNTING HEIGHT WITH OWNER
P2	PROGRESS LIGHTING	P350168-009	120	LED	3000	45 VA	2550	PENDANT	CEILING LIGHT - CEILINGS 9FT OR ABOVE - PROVIDE LED EQUIVALENT BULBS
R1	LITHONIA	CPANL 2X2 ALO1 SWW7 M4	120	LED	3500	31 VA	3300	RECESSED	2x2 LED PANEL
S1	RP LIGHTING	8556WH-HO-90-3K	120	LED	3000	15 VA	1170	SURFACE	DOWNLIGHT
S2	RP LIGHTING	8554WH-90-4K	120	LED	4000	30 VA	2185	SURFACE	PORTE COCHERE DOWNLIGHT
S3	PROGRESS LIGHTING	P3612-0930K9	120	LED	3000	51 VA	3633	SURFACE	CEILING LIGHT - CEILINGS LOWER THAN 9FT
S4	LITHONIA	FML4W 48 5000LM 840 ZT MVOLT	120	LED	4000	53 VA	5000	SURFACE	4FT LINEAR WRAP
S5	LITHONIA	CSS L48 ALO3 MVOLT SWW3 80CRI	120	LED	4000	37 VA	5585	SURFACE	4FT STRIP
UC1	AFX	T5L2-24LAJWH	120	LED	3000	9 VA	717	SURFACE	UNIT UNDERCABINET LIGHT
UF1	RP LIGHTING	1045LED-1BNBN	120	LED	3000	60 VA	1460	FAN BOX	UNIT 52" CEILING FAN - PROVIDE RP LIGHTING #WC-16 SERIES CONTROLLER
US1	RP LIGHTING	8556WH-HO-90-3K	120	LED	3000	15 VA	1170	SURFACE	UNIT DOWNLIGHT
US2	FERGUSON	MISENO FLSATLOLEDCCTBN	120	LED	3000	34 VA	2400	SURFACE	UNIT SATURN CEILING LIGHT
US3	PROGRESS LIGHTING	P3632-0930K9	120	LED	3000	29 VA	2197	SURFACE	UNIT CEILING LIGHT
US4	LITHONIA	CSS L24 ALO15 MVOLT SWW3 80CRI	120	LED	4000	16 VA	2129	SURFACE	UNIT 2FT STRIP
UW1	FERGUSON	MISENO FLVL1000L24LED30BN	120	LED	3000	23 VA	2000	WALL	UNIT VANITY LIGHT
W1	LITHONIA	WPX1 LED P2 40K MVOLT E14WC	120	LED	4000	24 VA	2912	WALL	WALLPACK WITH BATTERY BACK-UP
W2	FERGUSON	MISENO FLWL120LED30BN	120	LED	3000	10 VA	600	WALL	UNIT ENTRY SCONCE
W3	FERGUSON	MISENO FLVL1000L24LED30BN	120	LED	3000	23 VA	2000	WALL	VANITY LIGHT
W4	MARK ARCHITECTURAL LIGHTING	PLLW7 LSL 4FT MSL4 I80CRI I40K I900LMF SCT 120 EC FLEP	120	LED	4000	38 VA	3672	WALL	STAIRWELLS WITH BATTERY BACK-UP
W5	PROGRESS LIGHTING	P5641-31/30K	120	LED	3000	30 VA	1355	WALL	EXTERIOR CYLINDER DOWNLIGHT
W6	PROGRESS LIGHTING	P563001-020-30K	120	LED	3000	24 VA	1484	WALL	EXTERIOR CYLINDER UPLIGHT / DOWNLIGHT
W7	FERGUSON	MISENO FLEL110LED30G	120	LED	3000	10 VA	500	WALL	EXTERIOR SCONCE

Part IV - NEC 220.84

METER CENTER	(C)(1)				(C)(3)a					(C)(3)b	(C)(3)c	(C)(4)		UNIT TOTAL	UNIT COUNTS				TOTALIZED LOADS
UNIT TYPE	SQUARE FEET	GENERAL LIGHTING & RECEPTACLES	SMALL APPLIANCE LOAD	LAUNDRY LOAD	REFRIGERATOR	DISHWASHER	MICROWAVE	RANGE	DRYER	OTHER APPLIANCES	HVAC LOAD	LARGEST HVAC LOAD	TOTAL CONNECTED LOAD (PER UNIT)	1ST FLOOR	2ND FLOOR	3RD FLOOR	UNIT TOTAL	TOTAL CONNECTED LOAD (VA)
A	670	2010	3000	1500	1200	1100	1200	9000	5000	0	1381	1381	25391	18	24	24	66	1675814
A-ADA	670	2010	3000	1500	1200	1100	1200	9000	5000	0	1381	1381	25391	3	3	3	9	228520

DWELLING UNIT TOTALS	75	1904334
DEMAND FACTOR (TABLE 220.84)		0.23
DWELLING UNIT DEMAND LOAD	437997	VA
HOUSE DEMAND LOAD (N/A)	0	VA
TOTAL DEMAND LOAD	437997	VA
TOTAL DEMAND LOAD CURRENT	1216	AMPS

208
3

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ELECTRICAL SCHEDULES

E601

1/14/2026 2:24:30 PM

PANEL - HM

LOCATION: ELEC B114
SUPPLY FROM: MHS
MOUNTING: SURFACE
RATING: NEMA 1

OCP: 225 A
VOLTS: 120/208 Wye
PHASE: 3
WIRES: 4
MAINS TYPE: MLO

NOTES:

CKT NO.	LOAD SERVED	CKT BKR	A (VA)		B (VA)		C (VA)		CKT BKR	LOAD SERVED	CKT NO.
1	GF-02	15 A	920	1380					15 A	GF-03	2
3	GF-04	15 A			1380	920			15 A	GF-06	4
5	GF-05	15 A					1380	1498	30 A	CU-03	6
7	CU-02	20 A	1165	1498							8
9					1165	1800			25 A	EWH-5	10
11	CU-04	30 A					1498	1800			12
13			1498	1165					20 A	CU-06	14
15	CU-05	30 A			1498	1165					16
17							1498	1800	25 A	EWH-2	18
19	EWH-1	25 A	1800	1800							20
21					1800	0			20 A	SPARE	22
23	SPARE	20 A					0	0	20 A	SPARE	24
25	SPARE	20 A	0	0					20 A	SPARE	26
27	SPARE	20 A			0	0			20 A	SPARE	28
29	BLANK SPACE	--					--	--	--	BLANK SPACE	30
31	BLANK SPACE	--	--	--					--	BLANK SPACE	32
33	BLANK SPACE	--			--	--			--	BLANK SPACE	34
35	BLANK SPACE	--					--	--	--	BLANK SPACE	36
37	BLANK SPACE	--	--	--					--	BLANK SPACE	38
39	BLANK SPACE	--			--	--			--	BLANK SPACE	40
41	BLANK SPACE	--					--	--	--	BLANK SPACE	42
	TOTAL LOAD:		11225		9727		9473				

LOAD TYPE	CONNECTED	DEMAND...	DEMAND	TOTALS	
NEC Continuous	0 VA	0.00%	0 VA		
NEC Non-Coincident	5980 VA	0.01%	1 VA	CONNECTED (VA)	30425
NEC HVAC	24445 VA	100.00%	24445 VA	CONNECTED (AMPS)	84
NEC Kitchen Equip	0 VA	0.00%	0 VA		
NEC Misc Equip	0 VA	0.00%	0 VA	DEMAND (VA)	24445
NEC Motor	0 VA	0.00%	0 VA	DEMAND (AMPS)	68
NEC Receptacle	0 VA	0.00%	0 VA		
NEC Resident Room	0 VA	0.00%	0 VA		
NEC Residential	0 VA	0.00%	0 VA		

PANEL - H2

LOCATION: MECH B204
SUPPLY FROM: MHS
MOUNTING: SURFACE
RATING: NEMA 1

OCP: 400 A
VOLTS: 120/208 Wye
PHASE: 3
WIRES: 4
MAINS TYPE: MLO

NOTES:

CKT NO.	LOAD SERVED	CKT BKR	A		B		C		CKT BKR	LOAD SERVED	CKT NO.
1	CP-H2	20 A	150	540					20 A	UNIT ENTRY LIGHTING	2
3	BOH LIGHTING	20 A			644	798			20 A	NL LIGHTING	4
5	CORRIDOR LIGHTING	20 A					1456	1405	20 A	CORRIDOR LIGHTING	6
7	RECEPTACLES	20 A	1080	802					20 A	NL LIGHTING	8
9	RECEPTACLES	20 A			1330	1200			20 A	IT EQUIPMENT	10
11	IT EQUIPMENT	20 A					1200	1200	20 A	IT EQUIPMENT	12
13	IT EQUIPMENT	20 A	1200	1080					20 A	RECEPTACLES	14
15	RECEPTACLES	20 A			1080	1080			20 A	RECEPTACLES	16
17	RECEPTACLES	20 A					540	1080	20 A	RECEPTACLES	18
19	WASHER	20 A	1500	1080					20 A	RECEPTACLES	20
21	WASHER	20 A			1500	1500			20 A	WASHER	22
23	DRYER	30 A					2500	1500	20 A	WASHER	24
25			2500	1500					20 A	WASHER	26
27	DRYER	30 A			2500	2500			30 A	DRYER	28
29							2500	2500			30
31	DRYER	30 A	2500	2500					30 A	DRYER	32
33					2500	2500					34
35	EWH-3	25 A					1800	1800	25 A	EWH-4	36
37			1800	1800							38
39	GF-01	15 A			920	49			15 A	SF-1	40
41	GF-08	15 A					920	920	15 A	GF-07	42
43	GF-10	15 A	920	920					15 A	GF-9	44
45	GF-12	15 A			920	920			15 A	GF-11	46
47	CU-01	20 A					1165	1165	20 A	CU-07	48
49			1165	1165							50
51	CU-08	25 A			1414	915			15 A	CU-9	52
53							1414	915			54
55	CU-10	15 A	915	1414					25 A	CU-11	56
57					915	1414					58
59	CU-12	15 A					915	3750	50 A	EH-1	60
61			915	3750							62
63	DFCU-1	20 A			915	915			20 A	DCU-2	64
65							915	915			66
67	DFCU-5	20 A	915	915					20 A	DCU-4	68
69					915	915					70
71	ROOFTOP RECEPTACLES	20 A					180	915	20 A	DCU-3	72
73	SPARE	20 A	0	915							74
75	SPARE	20 A			0	0			20 A	SPARE	76
77	SPARE	20 A					0	0	20 A	SPARE	78
79	BLANK SPACE	--	--	0					20 A	SPARE	80
81	BLANK SPACE	--			--	--			--	BLANK SPACE	82
83	BLANK SPACE	--					--	--	--	BLANK SPACE	84
	TOTAL LOAD:		33942		30261		33571				

LOAD TYPE	CONNECTED	DEMAND...	DEMAND	TOTALS	
NEC Continuous	5763 VA	125.00%	7204 VA		
NEC Non-Coincident	6440 VA	0.01%	1 VA	CONNECTED (VA)	97774
NEC HVAC	39741 VA	100.00%	39741 VA	CONNECTED (AMPS)	271
NEC Kitchen Equip	0 VA	0.00%	0 VA		
NEC Misc Equip	37550 VA	100.00%	37550 VA	DEMAND (VA)	92775
NEC Motor	0 VA	0.00%	0 VA	DEMAND (AMPS)	258
NEC Receptacle	8280 VA	100.00%	8280 VA		
NEC Resident Room	0 VA	0.00%	0 VA		
NEC Residential	0 VA	0.00%	0 VA		

PANEL - H1

LOCATION: ELEC B114
SUPPLY FROM: MHS
MOUNTING: SURFACE
RATING: NEMA 1

OCP: 225 A
VOLTS: 120/208 Wye
PHASE: 3
WIRES: 4
MAINS TYPE: MLO

NOTES:

CKT NO.	LOAD SERVED	CKT BKR	A		B		C		CKT BKR	LOAD SERVED	CKT NO.
1	CP-H1	20 A	150	1200					20 A	MONUMENT SIGN	2
3	STAIR LIGHTING	20 A			231	231			20 A	STAIR LIGHTING	4
5	UNIT ENTRY LIGHTING	20 A					210	914	20 A	NL LIGHTING	6
7	CORRIDOR LIGHTING	20 A	1509	1328					20 A	BOH LIGHTING	8
9	ELEVATOR MACHINE ROOM LTG	20 A			110	1330			20 A	SITE LIGHTING	10
11	EXTERIOR LIGHTING	20 A					844	885	20 A	AMENITY LIGHTING	12
13	NAC PANEL	20 A	550	550					20 A	FACP	14
15	ELEVATOR SHAFT REC	20 A			360	148			20 A	ELEVATOR SHAFT LTG	16
17	ELEVATOR SHAFT REC	20 A					360	148	20 A	ELEVATOR SHAFT LTG	18
19	IT EQUIPMENT	20 A	1200	1200					20 A	IT EQUIPMENT	20
21	RECEPTACLES	20 A			1260	1080			20 A	RECEPTACLES	22
23	RECEPTACLES	20 A					900	1080	20 A	RECEPTACLES	24
25	ELEVATOR MACHINE ROOM REC	20 A	180	900					20 A	RECEPTACLES	26
27	ELEVATOR SUMP PUMP	20 A			1208	1208			20 A	ELEVATOR SUMP PUMP	28
29	RECEPTACLES	20 A					540	1200	20 A	FITNESS EQUIPMENT	30
31	RECEPTACLES	20 A	1150	750					20 A	UC REFRIGERATOR	32
33	RECEPTACLES	20 A			900	970			20 A	RECEPTACLES	34
35	COMBO OVEN	20 A					600	1200	20 A	REFRIGERATOR	36
37			600	1500					20 A	SMALL APPLIANCE	38
39	SMALL APPLIANCE	20 A			1500	1500			20 A	SMALL APPLIANCE	40
41	RECEPTACLES	20 A					900	900	20 A	RECEPTACLES	42
43	RECEPTACLES	20 A	900	1000					20 A	AUTOMATIC DOORS	44
45	ELEVATOR CAB	20 A			750	750			20 A	ELEVATOR CAB	46
47	GAS WATER HEATER	15 A					650	650	15 A	GAS WATER HEATER	48
49	DOOR HOLDERS	20 A	450	242					15 A	CP-1	50
51	SMALL APPLIANCE	20 A			1500	1500			20 A	SMALL APPLIANCE	52
53	DISHWASHER	20 A					1080	1500	20 A	SMALL APPLIANCE	54
55	RECEPTACLES	20 A	680	0					20 A	SPARE	56
57	SPARE	20 A			0	0			20 A	SPARE	58
59	SPARE	20 A					0	0	20 A	SPARE	60
61	SPARE	20 A	0	--					--	BLANK SPACE	62
63	BLANK SPACE	--			--	--			--	BLANK SPACE	64
65	BLANK SPACE	--					--	--	--	BLANK SPACE	66
67	BLANK SPACE	--	--	--					--	BLANK SPACE	68
69	BLANK SPACE	--			--	--			--	BLANK SPACE	70
71	BLANK SPACE	--					--	--	--	BLANK SPACE	72
	TOTAL LOAD:		16039		16535		14561				

LOAD TYPE	CONNECTED	DEMAND...	DEMAND	TOTALS	
NEC Continuous	10306 VA	125.00%	12883 VA		
NEC Non-Coincident	0 VA	0.00%	0 VA	CONNECTED (VA)	47135
NEC HVAC	32 VA	100.00%	32 VA	CONNECTED (AMPS)	131
NEC Kitchen Equip	13230 VA	65.00%	8600 VA		
NEC Misc Equip	9092 VA	100.00%	9092 VA	DEMAND (VA)	44352
NEC Motor	2415 VA	112.50%	2717 VA	DEMAND (AMPS)	123
NEC Receptacle	12060 VA	91.46%	11030 VA		
NEC Resident Room	0 VA	0.00%	0 VA		
NEC Residential	0 VA	0.00%	0 VA		

PANEL - MHS

LOCATION: ELEC B114
SUPPLY FROM: UTILITY
MOUNTING: SURFACE
RATING: NEMA 1

OCP: 1000 A
VOLTS: 120/208 Wye
PHASE: 3
WIRES: 4
MAINS TYPE: MLO

NOTES:

CKT NO.	LOAD SERVED	CKT BKR	A (VA)		B (VA)		C (VA)		CKT BKR	LOAD SERVED	CKT NO.
1	PANEL H1	225 A	16039	11225					225 A	PANEL HM	2
3					16535	9727					4
5							14561	9473			6
7	ELEVATOR 1	300 A	13690	10568					225 A	ELEVATOR 2	8
9					13690	10568					10
11							13690	10568			12
13	PANEL H2	400 A	33942	0					200 A	SPARE	14
15					30261	0					16
17							33571	0			18
19	BLANK SPACE	--	--	--					--	BLANK SPACE	20
21	BLANK SPACE	--			--	--			--	BLANK SPACE	22
23	BLANK SPACE	--					--	--	--	BLANK SPACE	24
25	BLANK SPACE	--	--	--					--	BLANK SPACE	26
27	BLANK SPACE	--			--	--			--	BLANK SPACE	28
29	BLANK SPACE	--					--	--	--	BLANK SPACE	30
31	BLANK SPACE	--	--	--					--	BLANK SPACE	32
33	BLANK SPACE	--			--	--			--	BLANK SPACE	34
35	BLANK SPACE	--					--	--	--	BLANK SPACE	36
37	BLANK SPACE	--	--	--					--	BLANK SPACE	38
39	BLANK SPACE	--			--	--			--	BLANK SPACE	40
41	BLANK SPACE	--					--	--	--	BLANK SPACE	42
	TOTAL LOAD:		85463		80780		81862				

LOAD TYPE	CONNECTED	DEMAND...	DEMAND	TOTALS	
NEC Continuous	16069 VA	125.00%	20086 VA		
NEC Non-Coincident	12420 VA	0.01%	1 VA	CONNECTED (VA)	248105
NEC HVAC	64218 VA	100.00%	64218 VA	CONNECTED (AMPS)	689
NEC Kitchen Equip	13230 VA	65.00%	8600 VA		
NEC Misc Equip	46642 VA	100.00%	46642 VA	DEMAND (VA)	240170
NEC Motor	75187 VA	113.66%	85454 VA	DEMAND (AMPS)	667
NEC Receptacle	20340 VA	74.58%	15170 VA		
NEC Resident Room	0 VA	0.00%	0 VA		
NEC Residential	0 VA	0.00%	0 VA		

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PANEL SCHEDULES

E602

1/14/2026 2:24:31 PM

FEEDER SCHEDULE & FAULT CURRENT CALCULATIONS

ALL DISTANCES ARE ESTIMATES - EC SHALL VERIFY ALL FEEDER DISTANCES AND PERFORM NEW FAULT CURRENT CALCULATIONS IF THE LENGTH DEVIATES FROM THAT SHOWN HERE

SOME FEEDERS MAY HAVE BEEN INCREASED IN SIZE DUE TO CONDUCTOR LENGTH - EC SHALL PROVIDE CIRCUIT BREAKERS WITH LUG PROVISIONS TO ACCOMMODATE ELECTRICAL FEEDERS ACCORDINGLY

FEEDER TAG	EQUIPMENT FED BY FEEDER	ESTIMATED DISTANCE (FT) OF FEEDER	FEEDER DESCRIPTION (NOT TO EXCEED 3% VOLTAGE DROP)	AVAILABLE FAULT CURRENT AT EQUIPMENT	MINIMUM A.I.C. RATING OF EQUIPMENT
F-DMHS	DMHS	120	THREE SETS OF (4) 600 MCM AL, EACH SET IN 4" CONDUIT	39982	65,000 A.I.C.
F-MHS	MHS	150	THREE SETS OF (4) 600 MCM AL AND #4/0 AL GND, EACH SET IN 5" CONDUIT	23383	42,000 A.I.C.
F-H1	H1	15	(4) 300 MCM AL AND #2 AL GND IN 3" CONDUIT	19325	42,000 A.I.C.
F-H2	H2	65	TWO SETS OF (4) 250 MCM AL AND #1 AL GND, EACH SET IN 2-1/2" CONDUIT	15363	22,000 A.I.C.
F-HM	HM	5	(4) 300 MCM AL AND #2 AL GND IN 3" CONDUIT	21854	42,000 A.I.C.
F-MC	MC	140	FIVE SETS OF (4) 600 MCM AL AND 350 MCM AL GND, EACH SET IN 5" CONDUIT	48192	65,000 A.I.C.
F-LC	LC	30	(3) #2 AL AND #4 AL GND IN SER CABLE	10195	14,000 A.I.C.

GENERAL NOTES:

A. ALL WORK SHALL MEET OR EXCEED ALL NEC STANDARDS.

B. EC SHALL VERIFY ALL WIRE SIZING DUE TO IN FIELD ROUTING AND VOLTAGE DROP.

C. ALL 15A-20A CIRCUITS SHALL HAVE A MINIMUM #12 CU WIRE.

D. ALL BRANCH CIRCUIT WIRING SHALL BE COPPER UNLESS NOTED OTHERWISE.

E. PROVIDE APPROPRIATELY RATED EQUIPMENT, BREAKERS, FUSES, ETC. BASED ON SHORT CIRCUIT CALCULATIONS AND FAULT CURRENT INFORMATION FROM LOCAL UTILITY.

F. PROVIDE TYPE WRITTEN CIRCUIT DIRECTORY FOR EACH PANELBOARD.

G. PROVIDE PLACARD ON EACH PIECE OF DISTRIBUTION EQUIPMENT INDICATING EQUIPMENT DESIGNATION, VOLTAGE AND PHASE IDENTIFICATION. PLACARD SHALL BE ENGRAVED PHENOLIC WITH 1/4" TALL LETTERS. INCLUDE THE MAXIMUM AVAILABLE FAULT CURRENT ON EACH SERVICE MAIN EQUIPMENT.

H. COORDINATE ALL SERVICE CONDUIT AND ROUTING WITH LOCAL UTILITY.

I. COORDINATE ALL METERING REQUIREMENTS WITH LOCAL UTILITY.

J. COORDINATE THE ALLOWABLE MINIMUM AND MAXIMUM MOUNTING HEIGHT OF THE METER(S) WITH LOCAL UTILITY.

K. PROVIDE INTERSYSTEM BONDING PROVISIONS IN ACCORDANCE WITH NEC 250.94 FOR ALL SERVICES.

L. ALL NON-DWELLING UNIT FEEDERS SIZED USING 75C COLUMN FROM NEC 310.15(B)(16). CONTRACTOR TO VERIFY THAT ALL TERMINATIONS ARE RATED FOR 75C. IF ANY FEEDER IS INSTALLED IN THERMAL INSULATION OR HAS TERMINATIONS NOT RATED FOR 75C, CONTRACTOR SHALL SIZE FEEDERS USING 60C COLUMN.

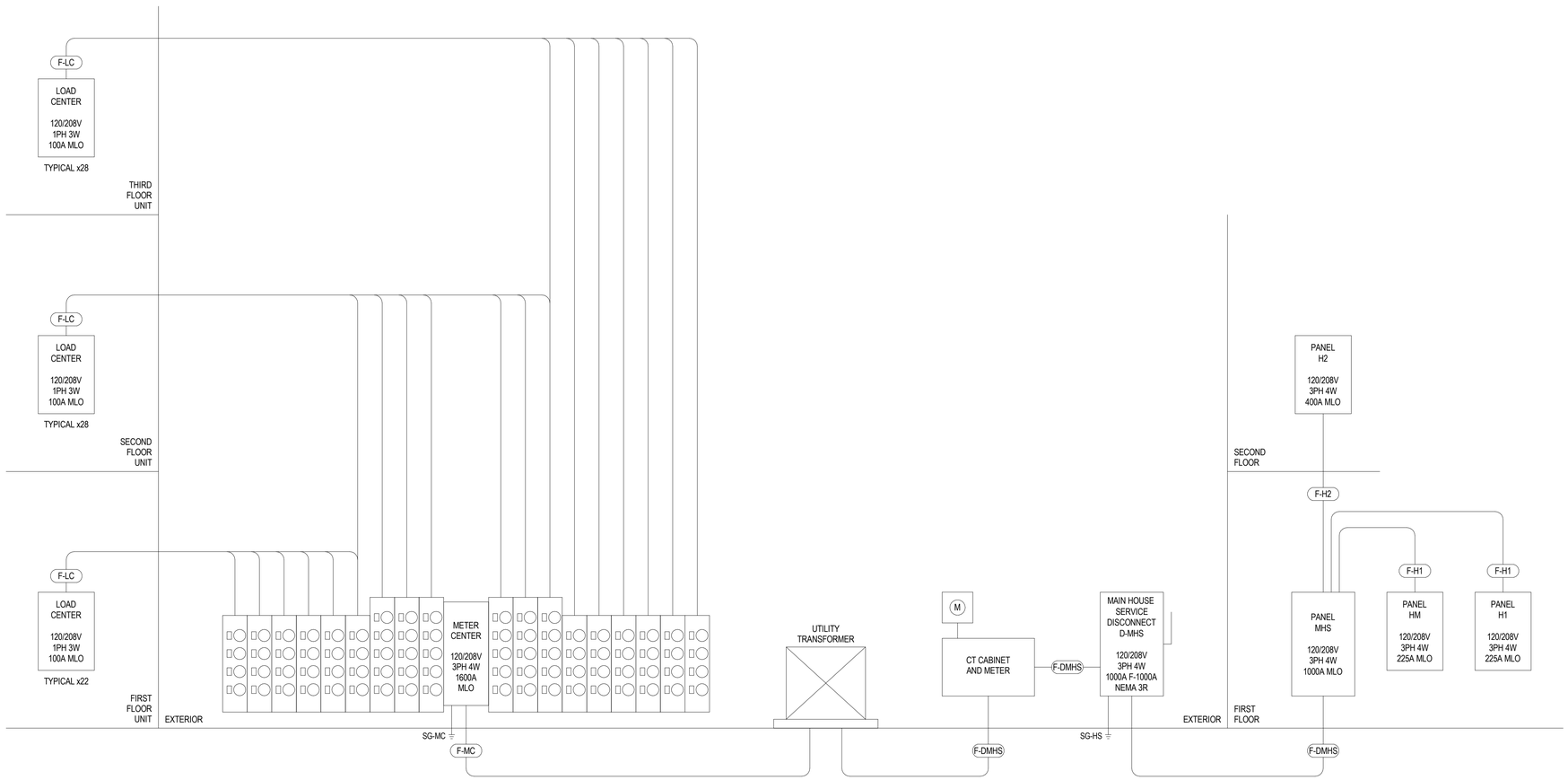
M. ALL DWELLING UNIT SER CABLE FEEDERS SIZED PER NEC 310.15(B)(7).

N. IN OTHER THAN TYPE III, IV, & V CONSTRUCTION, ALL SER CABLE MUST BE INSTALLED IN RACEWAY IN ACCORDANCE WITH 338.10(B)(4)(a) AND (b) AS WELL AS 334.10(5).

O. SEE OVERALL BUILDING PLANS FOR DETERMINING WHICH RESIDENCE BELONG ON WHICH METER CENTER.

P. EC SHALL PROVIDE MAIN CIRCUIT BREAKERS TO MEET THE REQUIREMENTS OF NEC 240.87.

Q. PROVIDE SURGE PROTECTION PER NEC 230.67.



1 RISER DIAGRAM

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NO.	DATE	REVISION

JOB NO. : PES 25222

PHASE : CONSTRUCTION DOCUMENTS

ISSUED FOR : 80% OWNER REVIEW

DATE : 01/07/26

ELECTRICAL ONE-LINE DIAGRAM

E701

1/14/2026 2:24:51 PM

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	25222 - Salem Ave Senior Community
Location:	Dayton, Ohio
Climate Zone:	5a
Project Type:	New Construction
Project No:	68451
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site:
1038 Salem Avenue
Dayton , Ohio 45406

Owner/Agent:

Designer/Contractor:
Robert Rudolph
PE-Services
Lebanon , Ohio 45036
513-836-3810

Notes:

Building Area

Description	Floor Area
1-Multifamily (Multifamily) : Nonresidential	68345

Interior Lighting Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	25222 - Salem Ave Senior Community
Location:	Dayton, Ohio
Climate Zone:	5a
Project Type:	New Construction

Construction Site:
1038 Salem Avenue
Dayton , Ohio 45406

Owner/Agent:

Designer/Contractor:
Robert Rudolph
PE-Services
Lebanon , Ohio 45036
513-836-3810

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-CORRIDORS (Common Space Types:Corridor/Transition <8 ft wide)	10560	0.41	
2-COMMUNITY ROOM (Common Space Types:Dining Area - General)	1255	0.43	
3-MEP ROOMS (Common Space Types:Electrical/Mechanical)	1840	0.43	
4-OFFICES (Common Space Types:Office - Enclosed)	675	0.74	
5-RESTROOMS (Common Space Types:Restrooms)	155	0.63	
6-STAIRS (Common Space Types:Stairwell)	1440	0.49	
7-LAUNDRY (Common Space Types:Laundry/Washing Area)	335	0.53	
8-FITNESS (Gymnasium/Fitness Center:Exercise Area)	690	0.9	
9-MULTIPURPOSE (Common Space Types:Conference/Meeting/Multipurpose)	390	0.97	
Total Allowed Watts:			30755

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
1-CORRIDORS (Common Space Types:Corridor/Transition <8 ft wide)			
P2: P2: LED:	3	45	135
R1: R1: LED:	126	31	3906
S3: S3: LED:	49	51	2499
W2: W2: LED:	78	10	780
S1: S1: LED:	5	15	75
2-COMMUNITY ROOM (Common Space Types:Dining Area - General)			
P1: P1: LED:	3	9	27
R1: R1: LED:	12	31	372
S1: S1: LED:	9	15	135
3-MEP ROOMS (Common Space Types:Electrical/Mechanical)			
S4: S4: LED:	22	53	1166

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
S1: S1: LED:	7	15	105
4-OFFICES (Common Space Types:Office - Enclosed)			
R1: R1: LED:	14	31	434
S1: S1: LED:	1	15	15
5-RESTROOMS (Common Space Types:Restrooms)			
W3: W3: LED:	2	23	46
S1: S1: LED:	2	15	30
6-STAIRS (Common Space Types:Stairwell)			
W4: W4: LED:	12	38	456
7-LAUNDRY (Common Space Types:Laundry/Washing Area)			
S1: S1: LED:	5	15	75
8-FITNESS (Gymnasium/Fitness Center:Exercise Area)			
R1: R1: LED:	11	31	341
9-MULTIPURPOSE (Common Space Types:Conference/Meeting/Multipurpose)			
S1: S1: LED:	6	15	90
Total Proposed Watts:			10687

Proposed Interior Lighting Controls

Fixture	Lighting Control
1-CORRIDORS (Common Space Types:Corridor/Transition <8 ft wide)	
P2: P2: LED:	Interior Timeswitch, Manual Control
R1: R1: LED:	Interior Timeswitch, Manual Control
S3: S3: LED:	Interior Timeswitch, Manual Control
W2: W2: LED:	Interior Timeswitch, Manual Control
S1: S1: LED:	Interior Timeswitch, Manual Control
2-COMMUNITY ROOM (Common Space Types:Dining Area - General)	
P1: P1: LED:	Occupancy Sensor, Manual Control
R1: R1: LED:	Occupancy Sensor, Manual Control
S1: S1: LED:	Occupancy Sensor, Manual Control
3-MEP ROOMS (Common Space Types:Electrical/Mechanical)	
S4: S4: LED:	Occupancy Sensor, Manual Control
S1: S1: LED:	Occupancy Sensor, Manual Control
4-OFFICES (Common Space Types:Office - Enclosed)	
R1: R1: LED:	Occupancy Sensor, Manual Control
S1: S1: LED:	Occupancy Sensor, Manual Control
5-RESTROOMS (Common Space Types:Restrooms)	
W3: W3: LED:	Occupancy Sensor, Manual Control
S1: S1: LED:	Occupancy Sensor, Manual Control
6-STAIRS (Common Space Types:Stairwell)	
W4: W4: LED:	Interior Timeswitch, Manual Control
7-LAUNDRY (Common Space Types:Laundry/Washing Area)	
S1: S1: LED:	Occupancy Sensor, Manual Control
8-FITNESS (Gymnasium/Fitness Center:Exercise Area)	
R1: R1: LED:	Occupancy Sensor, Manual Control
9-MULTIPURPOSE (Common Space Types:Conference/Meeting/Multipurpose)	
S1: S1: LED:	Occupancy Sensor, Manual Control

Fixture	Lighting Control
S1: S1: LED:	Occupancy Sensor, Manual Control

Interior Lighting PASSES: Design 65% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title **Signature** **Date**

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	25222 - Salem Ave Senior Community
Location:	Dayton, Ohio
Climate Zone:	5a
Project Type:	New Construction
Exterior Lighting Zone:	Neighborhood business district (LZ2)

Construction Site:
1038 Salem Avenue
Dayton , Ohio 45406

Owner/Agent:

Designer/Contractor:
Robert Rudolph
PE-Services
Lebanon , Ohio 45036
513-836-3810

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / ft2	D Tradable Wattage	E Allowed Watts (B X C)
DRIVE (Driveway)	15694 ft2	0.04	No	627.76
PARKING (Parking area)	10206 ft2	0.04	No	408.24
SIDEWALKS (Walkway < 10 feet wide)	1113 ft of walkway length	0.50	No	556.5
DOORS (Pedestrian and vehicular entrances and exits)	33 ft of door width	14.00	No	462.0
ENTRY CANOPY (Entry canopy)	300 ft2	0.25	No	75.0
Total Tradable Watts (a):				2129.5
Base Site Allowance (b):				400
Total Allowed Watts:				2529.5

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A base site allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
DRIVE (Driveway, 15694 ft2): Tradeable Wattage				
A3 / A4: A3 / A4: LED:	0	5	124	620
PARKING (Parking area, 10206 ft2): Tradeable Wattage				
A3 / A4: A3 / A4: LED:	0	2	124	248
SIDEWALKS (Walkway < 10 feet wide, 1113 ft of walkway length): Tradeable Wattage				
A1: A1: LED:	0	4	31	124
A2: A2: LED:	0	3	100	300
W5: W5: LED:	0	6	30	180
S1: S1: LED:	0	6	15	90
W1: W1: LED:	0	6	24	144

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
A5: A5: LED:	0	2	19	38
DOORS (Pedestrian and vehicular entrances and exits, 33 ft of door width): Tradeable Wattage				
W1: W1: LED:	0	4	24	96
W6: W6: LED:	0	2	24	48
W7: W7: LED:	0	4	10	40
ENTRY CANOPY (Entry canopy, 300 ft2): Tradeable Wattage				
S2: S2: LED:	0	3	30	90
Total Tradable Proposed Watts:				2018

Proposed Exterior Lighting Controls

Fixture	Lighting Control
DRIVE (Driveway, 15694 ft2)	
A3 / A4: A3 / A4: LED:	Daylight Shutoff, Exterior Timeswitch
PARKING (Parking area, 10206 ft2)	
A3 / A4: A3 / A4: LED:	Daylight Shutoff, Exterior Timeswitch
SIDEWALKS (Walkway < 10 feet wide, 1113 ft of walkway length)	
A1: A1: LED:	Daylight Shutoff, Exterior Timeswitch
A2: A2: LED:	Daylight Shutoff, Exterior Timeswitch
W5: W5: LED:	Daylight Shutoff, Exterior Timeswitch
S1: S1: LED:	Daylight Shutoff, Exterior Timeswitch
W1: W1: LED:	Daylight Shutoff, Exterior Timeswitch
A5: A5: LED:	Daylight Shutoff, Exterior Timeswitch
DOORS (Pedestrian and vehicular entrances and exits, 33 ft of door width)	
W1: W1: LED:	Daylight Shutoff, Exterior Timeswitch
W6: W6: LED:	Daylight Shutoff, Exterior Timeswitch
W7: W7: LED:	Daylight Shutoff, Exterior Timeswitch
ENTRY CANOPY (Entry canopy, 300 ft2)	
S2: S2: LED:	Daylight Shutoff, Exterior Timeswitch

Exterior Lighting PASSES: Design 20% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2021 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title **Signature** **Date**

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NO.	DATE	REVISION

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DATE : 01/07/26

ENERGY CODE COMPLIANCE

E801

1/14/2026 2:24:56 PM

Inspection Checklist

Energy Code: 2021 IECC

Requirements: 59% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1 series, E601
C103.2 [PR8][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E002, E1 SERIES, E601

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1 series, E601
C405.2.7 [EL28][1]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E002, E1 SERIES, E601
C405.7 [EL26][2]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.8 [EL27][2]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.9.1, C405.9.2 [EL28][2]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.10 [EL29][2]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.1.1 [EL30][2]	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.11, C405.11.1 [EL31][2]	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.12 [EL32][2]	Buildings with gross conditioned floor area > 25,000 ft2 will be equipped with a energy monitoring system in compliance with C405.12.1 through C405.12.5.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1 series, E601

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1 series, E601
C405.2.2, C405.2.2.1 [EL21][2]	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1 series, E601
C405.2.4, C405.2.4.1, C405.2.4.2 [EL23][2]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.2.5 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1 series, E601

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][3]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.5.1 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Exterior Lighting fixture schedule for values*
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.2.5 [FI16][3]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1 series, E601

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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ENERGY CODE COMPLIANCE

E802

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TECHNOLOGY SYSTEMS ABBREVIATIONS

AAC	ABOVE ACCESSIBLE CEILING
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APC	ANGLE POLISHED CONNECTOR
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BC	BONDING CONDUCTOR
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS
BFG	BELOW FINISH GRADE
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BMS	BUILDING MANAGEMENT SYSTEM
CAD	COMPUTER-AIDED DESIGN
CAT	CATEGORY
CATV	COMMUNITY ANTENNA TELEVISION (CABLE TELEVISION)
CCTV	CLOSED-CIRCUIT TELEVISION
CM	COMMUNICATIONS GENERAL-PURPOSE CABLE
CMP	COMMUNICATIONS PLENUM CABLE
CMR	COMMUNICATIONS RISER CABLE
COAX	COAXIAL CABLE
CP	CONSOLIDATION POINT
CPE	CUSTOMER PREMISES EQUIPMENT
CRAC	COMPUTER ROOM AIR CONDITIONING
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
DAS	DISTRIBUTED ANTENNA SYSTEM
dB	DECIBEL
dBmV	DECIBEL MILLIVOLT
DVR	DIGITAL VIDEO RECORDER
EF	ENTRANCE FACILITY
ER	EQUIPMENT ROOM
FTP	FOIL TWISTED-PAIR
GC	GENERAL CONTRACTOR
GE	GROUNDING EQUALIZER
GEC	GROUNDING EQUALIZER CONDUCTOR
HC	HORIZONTAL CROSS-CONNECT
HDMI	HIGH DEFINITION MULTIMEDIA INTERFACE
HH	HANDHOLE
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
IC	INTERMEDIATE CROSS-CONNECT
ID	INSIDE DIAMETER
IDC	INSULATION DISPLACEMENT CONNECTOR
IG	ISOLATED GROUND
I/O	INPUT/OUTPUT (DEVICE)
IP	INTERNET PROTOCOL
IS	INFORMATION SYSTEMS
IT	INFORMATION TECHNOLOGY
ITS	INFORMATION TECHNOLOGY SYSTEMS
KVM	KEYBOARD / VIDEO / MOUSE
LAN	LOCAL AREA NETWORK
LCD	LIQUID CRYSTAL DISPLAY
LED	LIGHT-EMITTING DIODE
MC	MAIN CROSS-CONNECT
MD	MAIN DISTRIBUTOR
MDF	MAIN DISTRIBUTION FRAME
MH	MAINTENANCE HOLE
MM	MULTIMODE
MUTOA	MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY
+N	INDICATES MOUNTING HEIGHT (N) TO CENTER OF DEVICE AFF
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NI	NOT IN CONTRACT
NTS	NOT TO SCALE
NVR	NETWORK VIDEO RECORDER
OD	OUTSIDE DIAMETER
OFE	OWNER-FURNISHED EQUIPMENT
OEM	ORIGINAL EQUIPMENT MANUFACTURER
OFCR	OPTICAL FIBER CONDUCTIVE RISER CABLE
OFNP	OPTICAL FIBER NONCONDUCTIVE PLENUM CABLE
OFNR	OPTICAL FIBER NONCONDUCTIVE RISER CABLE
OLT	OPTICAL LINE TERMINAL
ONT	OPTICAL NETWORK TERMINAL
OSP	OUTSIDE PLANT
OTDR	OPTICAL TIME DOMAIN REFLECTOMETER
PA	PUBLIC ADDRESS
PBX	PRIVATE BRANCH EXCHANGE
PoE	POWER OVER ETHERNET
PON	PASSIVE OPTICAL NETWORK
POS	POINT OF SALE
PR	PAIR
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK
PTZ	PAN, TILT, AND ZOOM
PVC	POLYVINYL CHLORIDE
QoS	QUALITY OF SERVICE
RCDD	REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
REX	REQUEST TO EXIT
RF	RADIO FREQUENCY
RFID	RADIO FREQUENCY IDENTIFICATION
RGB	RED, GREEN, BLUE
RU	RACK UNIT
RX	RECEIVER
SCS	STRUCTURED CABLING SYSTEM
ScTP	SCREENED TWISTED-PAIR
SFF	SMALL FORM FACTOR
S/TP	SCREENED / FOIL TWISTED-PAIR
SM	SINGLE MODE
STP	SHIELDED TWISTED-PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TELECOMMUNICATIONS CLOSET
TDD	TELECOMMUNICATIONS DEVICE FOR THE DEAF
TDMM	TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL
TE	TELECOMMUNICATIONS ENCLOSURE
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TO	TELECOMMUNICATIONS OUTLET
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TX	TRANSMITTER
U/FTP	UNSHIELDED TWISTED-PAIR WITH FOIL SCREENED TWISTED-PAIR CONDUCTORS
UL	UNDERWRITERS LABORATORIES INC.
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
USOC	UNIVERSAL SERVICE ORDER CODE
UTP	UNSHIELDED TWISTED-PAIR
U/UTP	UNSHIELDED TWISTED-PAIR WITH UNSHIELDED TWISTED-PAIR CONDUCTORS
VLAN	VIRTUAL LAN
VoIP	VOICE OVER INTERNET PROTOCOL
VPN	VIRTUAL PRIVATE NETWORK
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WLAN	WIRELESS LOCAL AREA NETWORK

TECHNOLOGY SYMBOLS

1. SOME SYMBOLS MAY NOT BE USED.
2. MOUNTING HEIGHTS ARE TO CENTER U.N.O.

SYMBOL	DESCRIPTION	MOUNTING HEIGHT UNLESS NOTED OTHERWISE
	AUDIO/VISUAL SYMBOLS	
MONITOR *	VIDEO MONITOR DISPLAY DEVICE; REFER TO SPEC 27 41 05 * = SCREEN DIAGONAL	----
	VOICE/DATA SYMBOLS	
AP *	WIRELESS ACCESS POINT, (2) CAT6A UTP W = WALL MOUNTED	IN CEILING
▼ 1	1 PORT, WALL MOUNT, (1) CAT6 UTP	18"
▼ 2	2 PORT, WALL MOUNT, (2) CAT6 UTP	18"
▼ 3	3 PORT, WALL MOUNT, (3) CAT6 UTP	18"
▼ 4	4 PORT, WALL MOUNT, (4) CAT6 UTP	18"
▼ P	DATA OUTLET FOR PRINTER, (1) CAT6 UTP	COORD. HT
▼ W	WALL PHONE, (1) CAT6 UTP FOR VOICE	46"
TV *	TELEVISION OUTLET, (1) CAT6 UTP, (1) RG6 COAX U = UNIT TELEVISION OUTLET, (1) CAT6 UTP, (1) RG6 COAX	60" 18"
	SECURITY SYMBOLS	
	INTERIOR SECURITY SYSTEM CAMERA, (1) CAT6 UTP EXTERIOR SECURITY SYSTEM CAMERA, (1) CAT6 UTP CEILING MOUNTED; WALL MOUNTED; "PTZ" = PAN, TILT, ZOOM,	92" 144"
CR	SECURITY SYSTEM CARD READER, INCLUDES DOOR POSITION SWITCH(ES)	46"
DM	DOOR MONITOR, PROPPED OPEN LOCAL ALARM	----
IC B : IC D	INTERCOM; BASE, DOOR STATION	46"
P	SECURITY SYSTEM DOOR POSITION SWITCH	----
	MISCELLANEOUS SYMBOLS	
	SBB (SECONDARY BONDING BUSBAR)	90"
	PBB (PRIMARY BONDING BUSBAR)	90"
EZ *	EZ PATH SERIES 44+ MULTIGANG FIRESTOP, QUANTITY OF GANGS AS REQUIRED TO ALLOW 30% SPARE CAPACITY. S = EZ PATH SERIES 33NEZ MULTIGANG SMOKE & ACOUSTICAL PATHWAY. QUANTITY OF GANGS AS REQUIRED TO ALLOW 30% SPARE CAPACITY.	ABOVE CEILING
	8' H X 4' W X 3/4" A/C QUALITY OR BETTER PLYWOOD BACKBOARD IN TR SPACES, MOUNT 8" AFF 4' WIDE BY 8' TALL AT SPECIFIED LOCATIONS, PAINT FRONT BACK AND SIDES WITH TWO COATS FIRE RETARDANT PAINT.	104"
2W B : 2W C	TWO-WAY EMERGENCY COMMUNICATIONS SYSTEM; BASE, CALL STATION, (1) CAT6 UTP	48"

SYMBOL LIST GENERAL INFORMATION

1. DASHED SYMBOLS INDICATE EXISTING DEVICES TO BE REMOVED.
2. SOLID SYMBOLS WITH LIGHT LINEWEIGHT INDICATE EXISTING DEVICES TO REMAIN.
3. DASHED SYMBOLS WITH SUBSCRIPT "RL" INDICATE EXISTING DEVICES TO BE RELOCATED.
4. SOLID SYMBOLS WITH SUBSCRIPT "RD" INDICATE RELOCATED DEVICES.

DEVICE SUFFIXES

AC	ABOVE COUNTER
C	CEILING MOUNTED OUTLET
F	FLOOR MOUNTED OUTLET
S	SURFACE RACEWAY OUTLET
M	MODULAR FURNITURE OUTLET
W	WALL MOUNTED
WG	WIRE GUARD
WP	WEATHER PROOF

SCOPE OF WORK NOTES

1. ALL CATEGORY CABLING AS SPECIFIED IN DIVISION 27 AND/OR DIVISION 28, INCLUDING BUT NOT LIMITED TO CABLING FOR CCTV, ACCESS CONTROL, AV-OVER-IP, CONTROL, NETWORK, AND HDBASET, SHALL BE PROVIDED BY DIVISION 27 STRUCTURED CABLING CONTRACTOR. ALL CATEGORY CABLING FOR DIVISION 27 AND DIVISION 28 APPLICATIONS SHALL COMPLY WITH INSTALLATION, TESTING, AND CERTIFICATION REQUIREMENTS PER SPECIFICATION SECTION 27 10 00. SEE TECHNOLOGY MATRIX FOR ADDITIONAL DETAILS.

TECHNOLOGY GENERAL NOTES

1. DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK
2. WHEREVER THE WORD "PROVIDE" IS USED IT SHALL MEAN TO "FURNISH AND INSTALL".
3. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ESTABLISH A STANDARD OF QUALITY. THE OWNER RESERVES THE RIGHT TO APPROVE METHODS AND MATERIAL NOT REFLECTED HEREIN.
4. CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND VERIFY THAT CONDITIONS ARE AS INDICATED. CONTRACTOR SHALL INCLUDE IN HIS BID COSTS REQUIRED TO MAKE HIS WORK MEET EXISTING CONDITIONS.
5. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE OWNER.
6. WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE AND NATIONAL CODES, ORDINANCES AND STANDARDS.
7. PROVIDE RECORD DRAWINGS. INCLUDE ALL ADDENDUM ITEMS, CHANGE ORDERS, ALTERATIONS, REROUTINGS, ETC.
8. VERIFY EXACT LOCATION OF EQUIPMENT PRIOR TO ROUGH-IN.
9. ALL CABLING THAT PASSES THROUGH OR ORIGINATES IN EXPOSED CEILING SPACES SHALL BE INSTALLED IN LISTED METALLIC RACEWAYS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS. RACEWAYS IN SLAB-ON-GRADE OR BELOW GRADE SHALL BE SCHEDULE 40 PVC. TRANSITIONS FROM BELOW TO ABOVE GRADE SHALL BE WITH RIGID STEEL ELBOWS. EMT FITTINGS SHALL BE WITH MALLEABLE IRON OR STEEL. CONNECTORS SHALL BE INSULATED THROAT TYPE.
10. THERE SHALL BE NO MORE THAN TWO 90 DEGREE BENDS BETWEEN PULL BOXES. PULL BOXES AND CABLE TRAYS SHOWN ON DRAWINGS SHALL BE CONSIDERED THE MINIMUM REQUIREMENTS. CONTRACTOR SHALL INSTALL PULL BOXES ACCORDING TO FIELD CONDITIONS.
11. ALL CABLING ABOVE ACCESSIBLE CEILING AREAS, WHERE NOT IN CABLE TRAY, SHALL BE SUPPORTED WITH A J-HOOK SUPPORT SYSTEM. J-HOOK SPACING SHALL VARY BETWEEN 4' AND 5' ON CENTER. J-HOOK SHALL NOT BE SUPPORTED BY OR OTHERWISE ATTACHED TO THE SUSPENDED CEILING GRID WIRES OR ANY OTHER BUILDING ANCILLARY SYSTEM SUCH AS ELECTRICAL OR PLUMBING CONDUITS.
12. REFER TO ARCHITECTURAL PLANS FOR WALL CONSTRUCTION.
13. RACEWAYS SHALL BE RUN AS INCONSPICUOUSLY AS POSSIBLE. VERTICAL RUNS SHALL OCCUR IN CORNERS OF ROOMS. HORIZONTAL RUNS SHALL OCCUR ALONG BASEBOARD OF WALL WITH VERTICAL RUNS UP TO THE DEVICE BOXES BRANCHING OUT OF CORNER BOXES, TEES OR ELBOWS.
14. ALL CONDUITS IN AREAS WITHOUT SUSPENDED CEILINGS SHALL BE RUN AS INCONSPICUOUSLY AS POSSIBLE, HIDDEN BEHIND BEAMS, CLOSE TO DECK, ETC. OBTAIN APPROVAL OF CONDUIT RUNS BELOW BEAMS WITH OWNER'S REPRESENTATIVE.
15. ADD STEEL BRIDGING BETWEEN PURLINS/JOISTS/BEAMS AS NECESSARY TO SUPPORT THE WEIGHT OF SUSPENDED DEVICES AND FIXTURES.
16. ALL DEVICES IN CEILINGS IN A ROOM SHALL BE ALIGNED.
17. AT EXISTING LOCATION WHERE WALL FURRING DEPTH IS TOO SHALLOW FOR A STANDARD DEPTH JUNCTION BOX, CONTRACTOR SHALL CHISEL OUT SURROUNDING MATERIAL SO THAT BOX IS FLUSH WITH WALL. WHERE CONDUIT IS TOO DEEP, CONTRACTOR SHALL CHANNEL OUT SURROUNDING MATERIAL. EXPOSED SURFACE MOUNTED CONDUIT AND JUNCTION BOXES ARE PROHIBITED.
18. PROVIDE SURFACE RACEWAY SIZE ADEQUATE FOR QUANTITY OF DATA CABLES.
19. COORDINATE WITH OWNER FOR EXACT MOUNTING HEIGHT AND LOCATION OF ALL WALL-MOUNTED SECURITY CAMERAS.
20. FOR ALL EXTERIOR NETWORK DEVICES CONNECTED WITH CATEGORY CABLING, PROVIDE SURGE PROTECTION DEVICE IN TECHNOLOGY ROOM (OR NEAR TELECOMMUNICATIONS ENCLOSURE SERVING NETWORK DEVICE, IF THERE IS NO TECHNOLOGY ROOM).
21. REFER TO SITE PLANS FOR SITE REQUIREMENTS.
22. PROVIDE ONE 2 INCH SLEEVE INTO EACH ROOM FROM THE CORRIDOR WHERE WALLS GO UP TO THE FLOOR OR ROOF DECK ABOVE, UNLESS OTHERWISE NOTED. SLEEVE ELEVATION SHALL BE ABOVE HEIGHT OF SUSPENDED CEILING, AS CLOSE TO FLOOR OR ROOF DECK AS POSSIBLE.
23. ALL DEVICES SHOWN IN CASEWORK/MILLWORK FOR SLAB-ON-GRADE FLOORS THAT ARE NOT OTHERWISE SHOWN TO BE FED FROM THE WALL OR A SERVICE POLE SHALL PLAN FOR CABLING TO BE INDOOR/OUTDOOR OR OSP-RATED.
24. FOR ALL FLOOR BOXES AND "POKE THRU" DEVICES, PROVIDE A PATHWAY FOR FUTURE LOW-VOLTAGE CABLING, REGARDLESS IF ANY DATA OR A/V IS CALLED OUT OR NOT. FOR FLOOR BOXES, THIS SHOULD BE A CONDUIT OVER TO AND UP THE WALL AT A STRUCTURAL COLUMN TO AN ACCESSIBLE CEILING. FOR "POKE THRU'S" WITH OPEN OR HARD LID CEILING BELOW, THIS SHOULD BE A CONDUIT TO AN ACCESSIBLE CEILING. FOR "POKE THRU'S" WITH LAY-IN CEILING BELOW, NO ADDITIONAL CONDUIT IS REQUIRED AS THE CURRENT / FUTURE CABLING CAN USE J-HOOKS.
25. REFER TO T700 SERIES DRAWINGS FOR DETAILS AND DIAGRAMS REGARDING AV CABLING AND DEVICES THAT MAY NOT BE SHOWN ON THE FLOOR PLANS.

MAXIMUM CABLE CONDUIT FILL TABLE

TECHNOLOGY CABLE TYPE	NOMINAL CABLE O.D.	CONDUIT SIZE								
		0.75"	1"	1.25"	1.5"	2"	2.5"	3"	3.5"	4"
CAT6A PLENUM	0.309"	1	3	4	6	12	19	27	38	50
CAT6A NON-PLENUM	0.309"	1	3	4	6	12	19	27	38	50
CAT6 PLENUM	0.237"	3	5	8	12	21	33	48	65	85
CAT6 NON-PLENUM	0.234"	3	5	8	12	21	33	48	66	87
CAT6 OSP	0.251"	2	4	6	10	18	28	41	56	73
RG6 PLENUM	0.233"	3	5	8	12	21	33	48	66	87
RG11 PLENUM	0.348"	N/A	1	3	4	7	12	17	24	31

1. FOR ALL VOICE/DATA APPLICATIONS, EXCEPT FOR INDIVIDUAL SECURITY DEVICES, 1" MINIMUM CONDUIT IS REQUIRED.
2. CONDUIT FILL CALCULATIONS ARE BASED ON 25% SPARE FUTURE CAPACITY.
3. FOR MIXED CABLE TYPES IN THE SAME CONDUIT, PERFORM CONDUIT FILL CALCULATIONS FOR MAXIMUM CROSS-SECTIONAL AREA OF 30%.
4. VERIFY ALL CABLE TYPES ARE OF SIMILAR O.D. AS BASIS OF DESIGN.

TECHNOLOGY SHEET INDEX

SHEET NUMBER	SHEET NAME
T000	TECHNOLOGY SYMBOLS AND LEGENDS
T100	SITE PLAN
T401	FIRST FLOOR TECHNOLOGY PLAN
T402	SECOND FLOOR TECHNOLOGY PLAN
T403	THIRD FLOOR TECHNOLOGY PLAN
T404	ROOF PLAN
T405	TECHNOLOGY UNIT PLAN
T406	TECHNOLOGY ENLARGED PLAN
T701	TECHNOLOGY DETAILS
T702	TECHNOLOGY DETAILS
T703	TECHNOLOGY DETAILS

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2245 North Bank Drive Columbus, Ohio 43220

NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : DESIGN DEVELOPMENT
ISSUED FOR : REVIEW
DATE : REVIEW

TECHNOLOGY SYMBOLS AND LEGENDS

T000

KORDA
KORDA / NEMETH ENGINEERING
WWW.KORDA.COM
DRAWN BY: Author
DESIGNED BY: Designer
CHECKED BY: Checker
PROJECT NUMBER: 2025-0539

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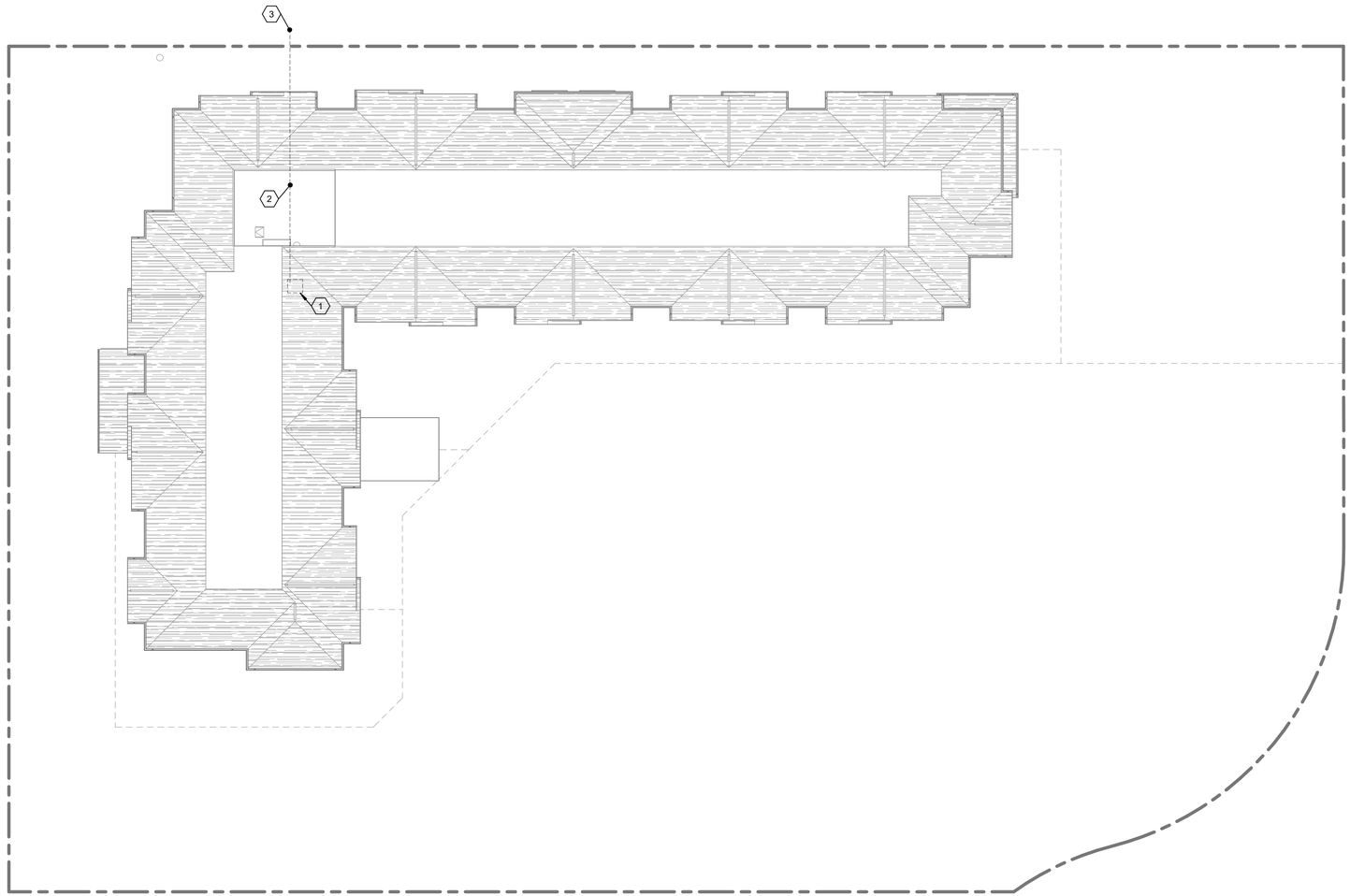

1 SITE PLAN

SITE PLAN

SCALE: 1" = 20'-0"

0 20' 40' 60'

GENERAL NOTES

1.

CODED NOTES

1. APPROXIMATE LOCATION OF FIRST FLOOR MDF ROOM.
2. (2) 4" CONDUIT FOR TECHNOLOGY. PROVIDE 2-CELL FABRIC INNERDUCT IN EACH CONDUIT. COORDINATE FINAL LOCATION WITH TECHNOLOGY SERVICE PROVIDER.
3. TECHNOLOGY HAND HOLD. COORDINATE FINAL LOCATION WITH TECHNOLOGY SERVICE PROVIDER.

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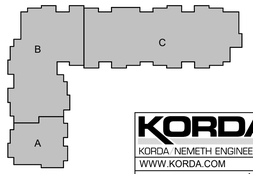
SITE PLAN

T100



KEY PLAN
N.T.S

KORDA
KORDA / NEMETH ENGINEERING
WWW.KORDA.COM

DRAWN BY:	Author
DESIGNED BY:	Designer
CHECKED BY:	Checker
PROJECT NUMBER:	2025-0539

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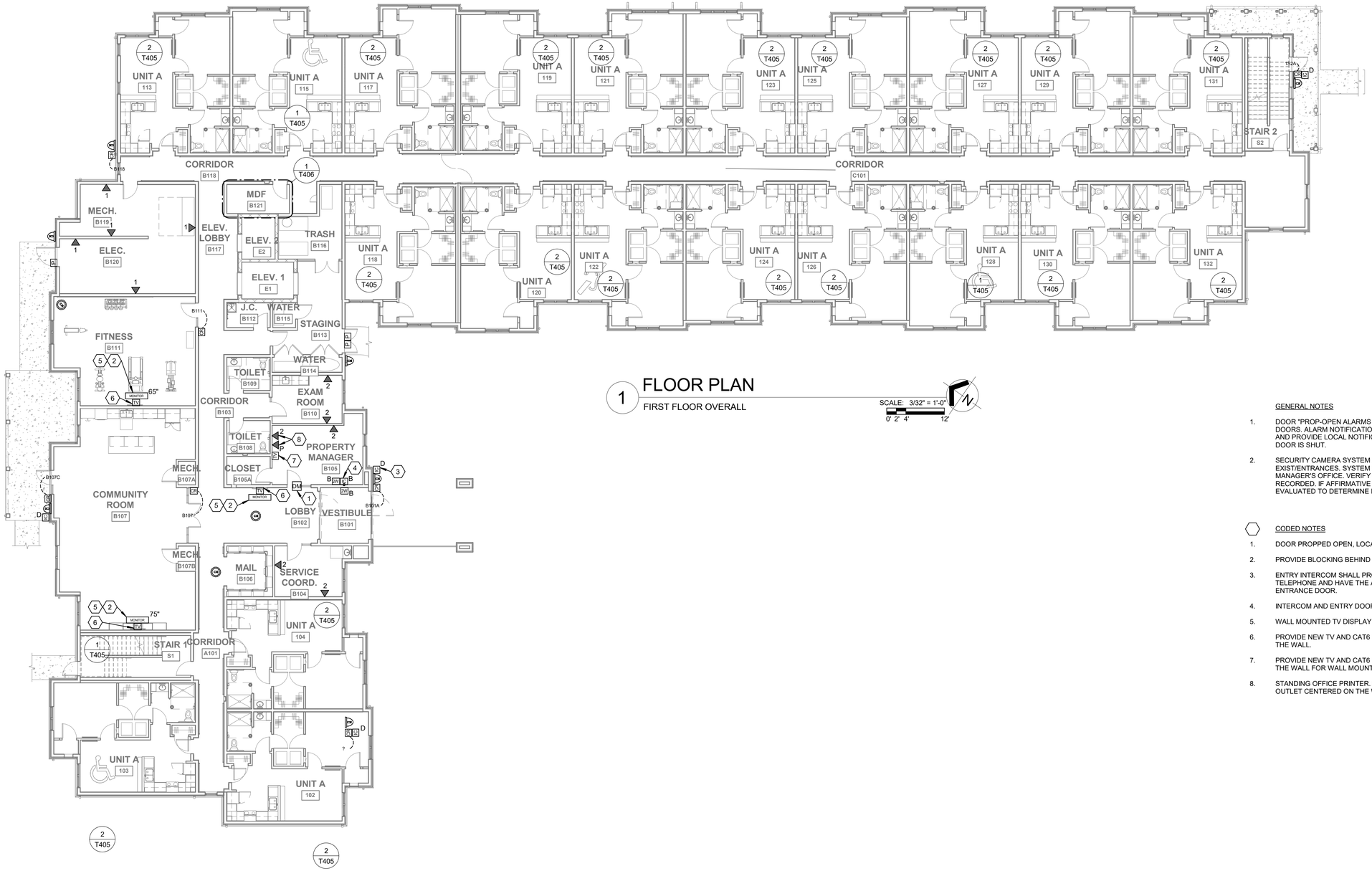


1 FLOOR PLAN

FIRST FLOOR OVERALL

SCALE: 3/32" = 1'-0"

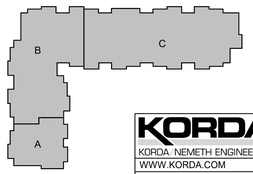
0' 2' 4' 12'

GENERAL NOTES

1. DOOR "PROP-OPEN ALARMS SHALL BE PROVIDED AT ALL EXTERIOR DOORS. ALARM NOTIFICATION SHALL GO TO THE MANAGER'S OFFICE AND PROVIDE LOCAL NOTIFICATION. ALARM SHALL SILENCE WHEN DOOR IS SHUT.
2. SECURITY CAMERA SYSTEM SHALL MONITOR ALL BUILDING EXIST/ENTRANCES. SYSTEM SHALL BE MONITORED FROM THE MANAGER'S OFFICE. VERIFY WITH NCR IF THE VIDEO SHALL BE RECORDED. IF AFFIRMATIVE THE EXISTING SYSTEM SHALL BE EVALUATED TO DETERMINE IF AN UPGRADE IN REQUIRED.

CODED NOTES

1. DOOR PROPPED OPEN, LOCAL ALARM.
2. PROVIDE BLOCKING BEHIND DISPLAY MONITOR MOUNTING.
3. ENTRY INTERCOM SHALL PROVIDE THROUGH TO RESIDENT'S TELEPHONE AND HAVE THE ABILITY TO RELEASE THE BUILDING ENTRANCE DOOR.
4. INTERCOM AND ENTRY DOOR RELEASE IN MANAGER'S OFFICE.
5. WALL MOUNTED TV DISPLAY MOUNTED ABOVE CREDENZA.
6. PROVIDE NEW TV AND CAT6 OUTLET AT 72" A.F.F. AND CENTERED ON THE WALL.
7. PROVIDE NEW TV AND CAT6 OUTLET AT 72" A.F.F. AND CENTERED ON THE WALL FOR WALL MOUNTED SECURITY MONITOR.
8. STANDING OFFICE PRINTER. PROVIDE NEW PRINTER AND CAT6 OUTLET CENTERED ON THE WALL AT CODE HEIGHT.



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FIRST FLOOR TECHNOLOGY PLAN

T401

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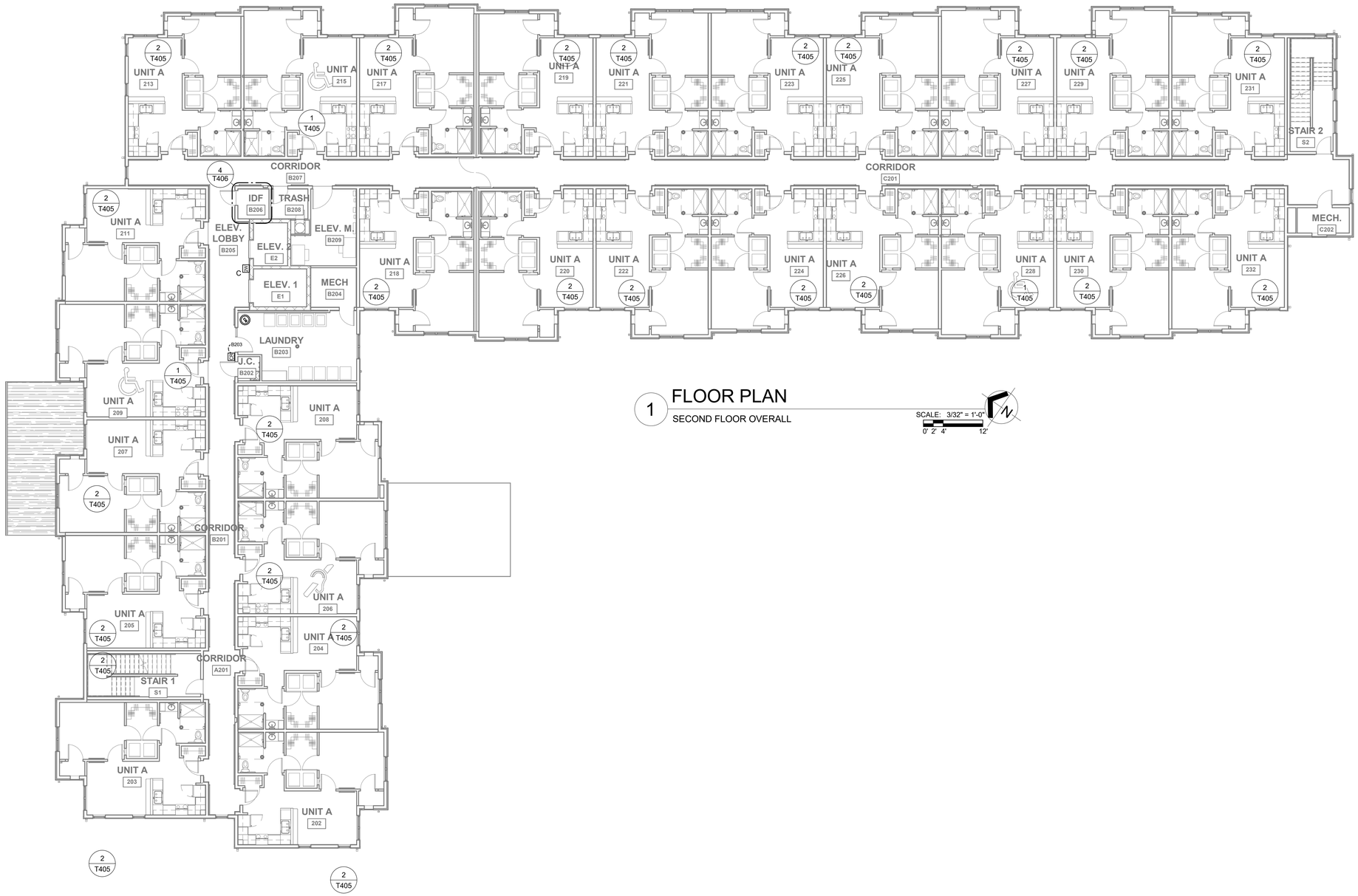
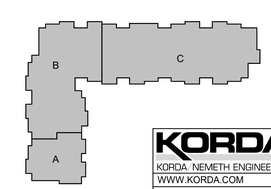


1 FLOOR PLAN

SECOND FLOOR OVERALL

SCALE: 3/32" = 1'-0"

0' 2' 4' 12'



KEY PLAN
N.T.S

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SECOND FLOOR TECHNOLOGY PLAN

T402

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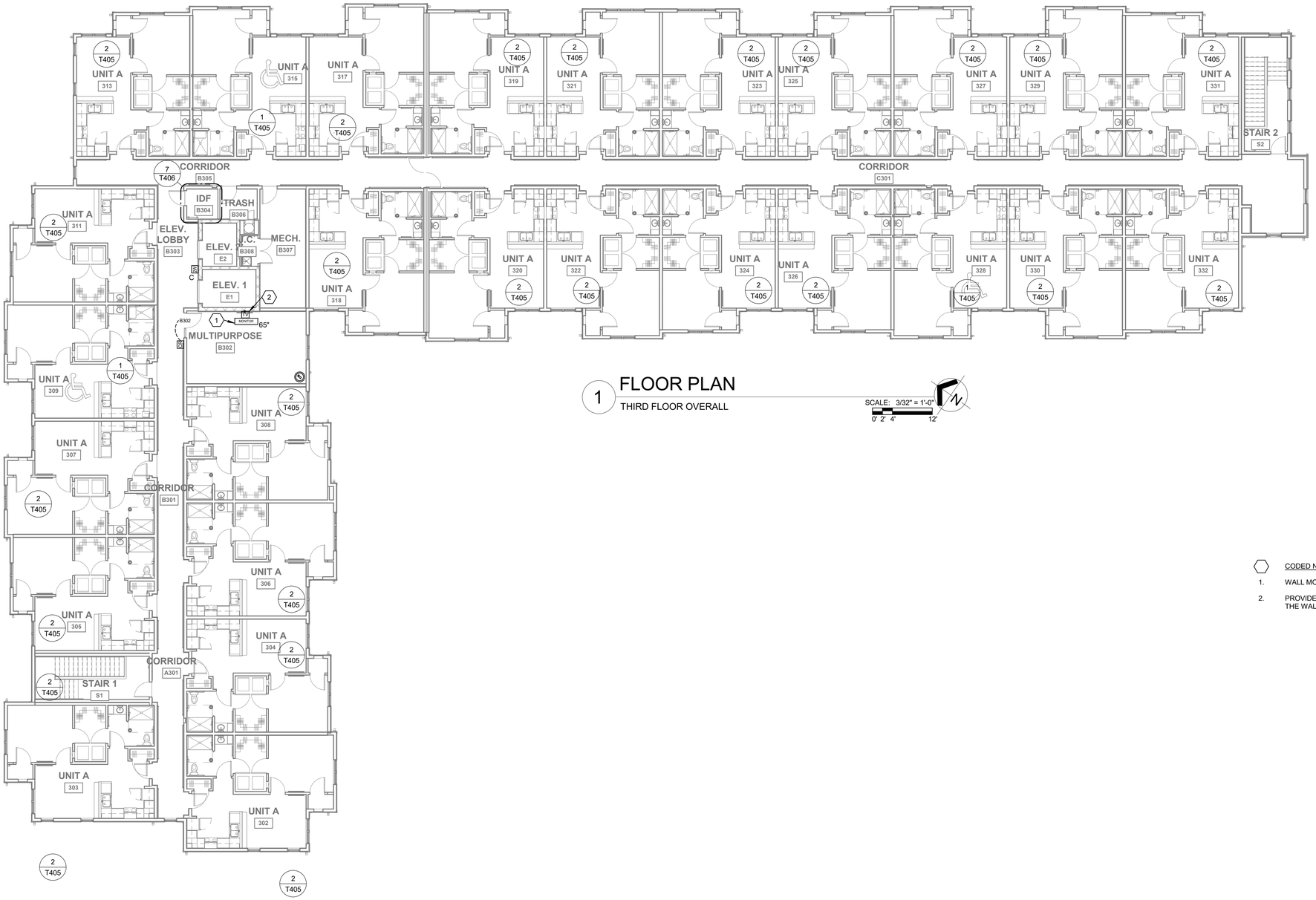


1 FLOOR PLAN

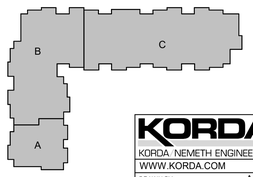
THIRD FLOOR OVERALL

SCALE: 3/32" = 1'-0"

0' 2' 4' 12'

CODED NOTES

1. WALL MOUNTED TV DISPLAY MOUNTED ABOVE CREDENZA.
2. PROVIDE NEW TV AND CAT6 OUTLET AT 72" A.F.F. AND CENTERED ON THE WALL.



KEY PLAN
N.T.S

KORDA

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THIRD FLOOR TECHNOLOGY PLAN

T403

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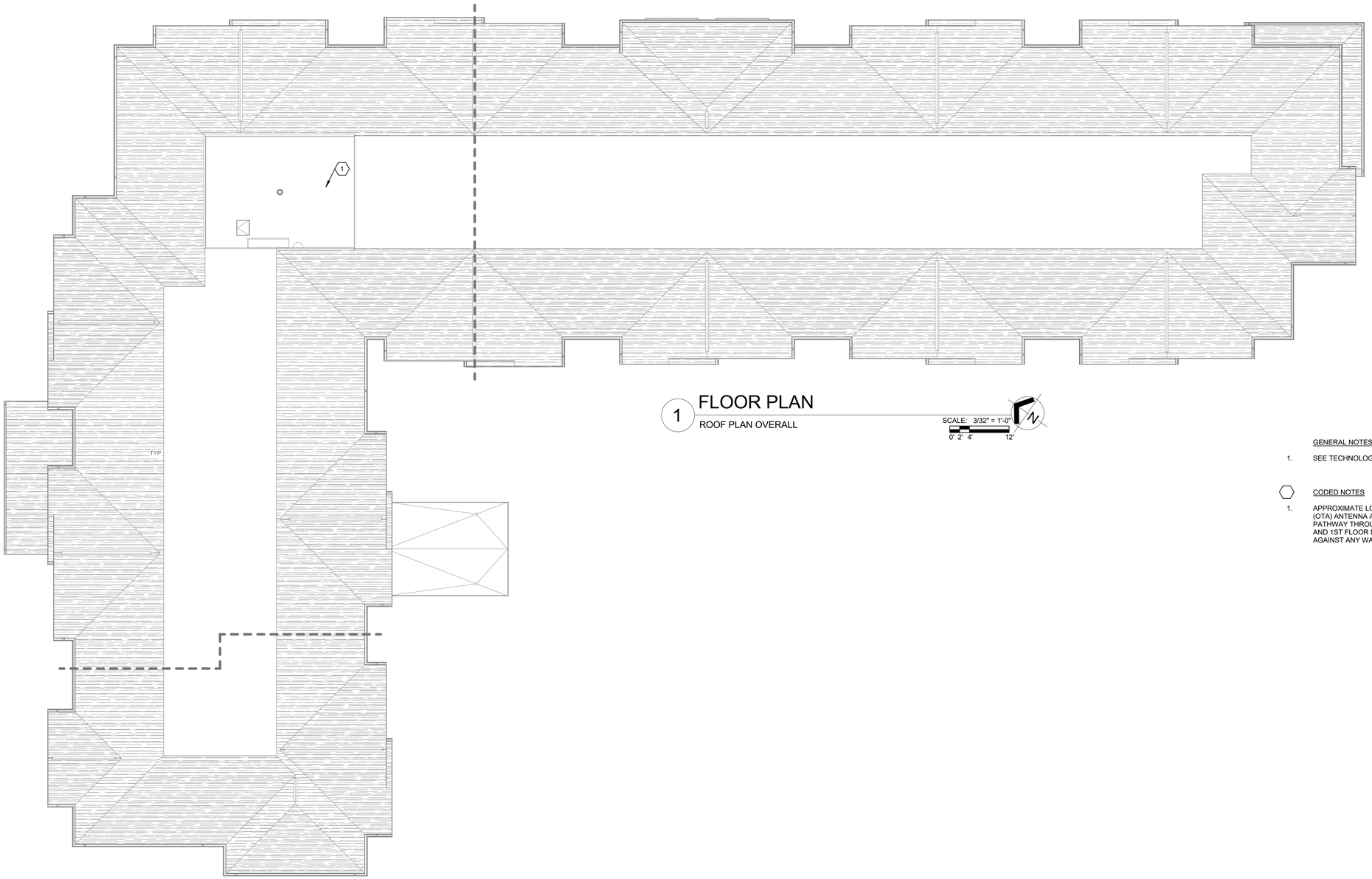


1 FLOOR PLAN

ROOF PLAN OVERALL

SCALE: 3/32" = 1'-0"

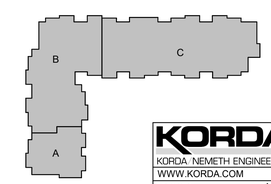
0' 2' 4' 12'

GENERAL NOTES

1. SEE TECHNOLOGY MATRIX FOR ADDITIONAL DETAILS.

CODED NOTES

1. APPROXIMATE LOCATION OF ROOF PENETRATION FOR OVER THE AIR (OTA) ANTENNA AND ERRC ANTENNA (IF REQUIRED). PROVIDE PATHWAY THROUGH THE STACKED 3RD AND 2ND FLOOR IDF ROOMS AND 1ST FLOOR MDF ROOM. ROOF PENETRATION SHALL BE SEALED AGAINST ANY WATER, MOISTURE, AND DIRT EGRESS.



KEY PLAN
N.T.S

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NO.	DATE	REVISION

JOB NO. : 2025-21

PHASE : DESIGN DEVELOPMENT

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DATE : REVIEW

ROOF PLAN

T404

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DESIGNED BY:	Designer
CHECKED BY:	Checker
PROJECT NUMBER:	2025-0539

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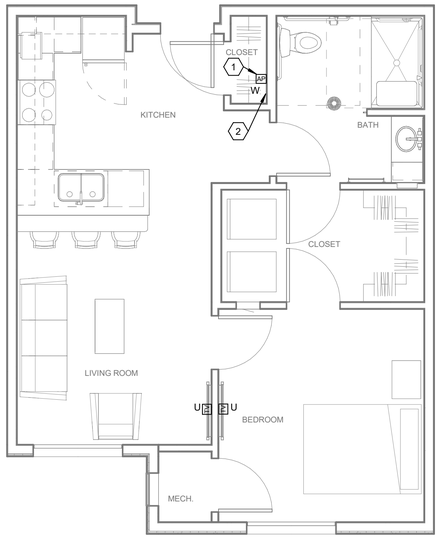
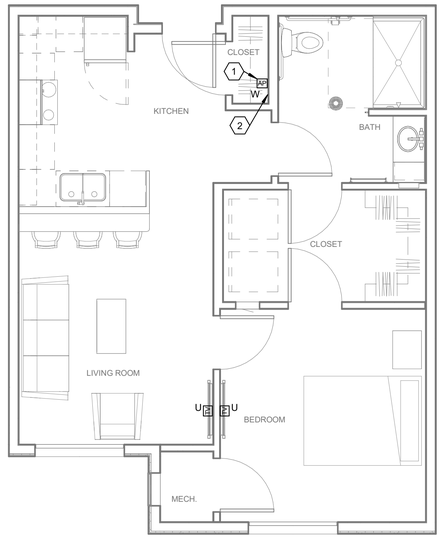


1 ENLARGED PLAN

FLOOR PLAN - UNIT A (TYPE A)

SCALE: 1/4" = 1'-0"
0' 1' 2' 4'



2 ENLARGED PLAN

FLOOR PLAN - UNIT A (TYPE B)

SCALE: 1/4" = 1'-0"
0' 1' 2' 4'

CODED NOTES

1. ROUGH-IN FOR FUTURE WIRELESS ACCESS POINT.
2. CABLING FROM MDF/IDF TO RESIDENT MEDIA PANEL. SEE TECHNOLOGY MATRIX FOR ADDITIONAL INFORMATION.

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TECHNOLOGY UNIT PLAN

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DESIGNED BY: Designer
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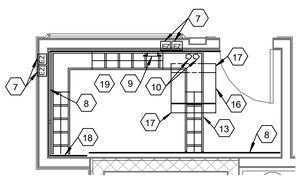
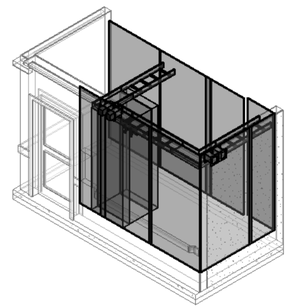


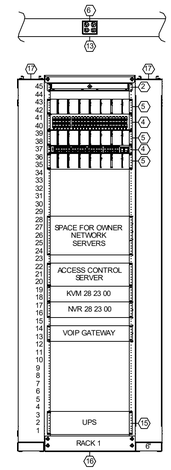
1 ENLARGED PLAN
FIRST FLOOR MDF ROOM B115

SCALE: 1/4" = 1'-0"
0' 1' 2' 4'



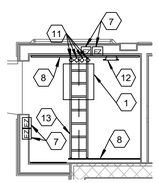
2 3D VIEW
FIRST FLOOR MDF ROOM

N.T.S.



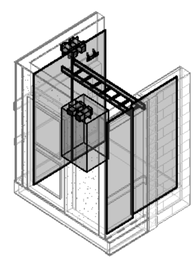
3 ELEVATION
FIRST FLOOR MDF RACK

SCALE: 3/4" = 1'-0"
0' 6" 1' 2' 3'



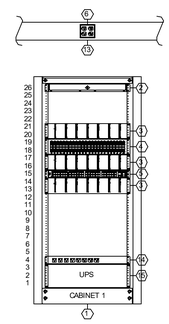
4 ENLARGED PLAN
SECOND FLOOR IDF ROOM B206

SCALE: 1/4" = 1'-0"
0' 1' 2' 4'



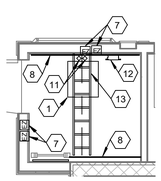
5 3D VIEW
SECOND FLOOR IDF

N.T.S.



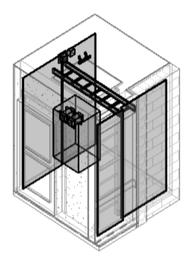
6 ELEVATION
SECOND FLOOR IDF RACK

SCALE: 3/4" = 1'-0"
0' 6" 1' 2' 3'



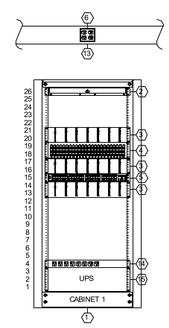
7 ENLARGED PLAN
THIRD FLOOR IDF ROOM B304

SCALE: 1/4" = 1'-0"
0' 1' 2' 4'



8 3D VIEW
THIRD FLOOR IDF

N.T.S.



9 ELEVATION
THIRD FLOOR IDF RACK

SCALE: 3/4" = 1'-0"
0' 6" 1' 2' 3'

GENERAL NOTES

1. ALL POWER DISTRIBUTION EQUIPMENT AND ACTIVE NETWORK ELECTRONICS WITHIN RACK SHALL BE BONDED TO RACK BONDING BUSBAR OR DIRECTLY TO THE RACK FRAME USING STRANDED COPPER WIRE WITH EITHER NO INSULATION OR GREEN INSULATION. IF NON-INSULATED WIRE IS USED, GREEN TAPE WRAP SHALL BE APPLIED AT EACH TERMINATION POINT. REFER TO TELECOMMUNICATIONS BONDING DETAILS.
2. SEE TECHNOLOGY MATRIX FOR ADDITIONAL INFORMATION.

CODED NOTES

1. 26RU WALL-MOUNTED EQUIPMENT SWING-OUT CABINET.
2. 1U COMBINATION FIBER SPLICE TRAY / PATCH PANEL.
3. 2U HORIZONTAL CABLE MANAGER.
4. 2U 48 PORT CAT-6 PATCH PANEL.
5. NETWORK ELECTRONICS BY OWNER.
6. POWER OUTLET (MOUNT WITH OUTLETS FACING REAR SIDE OF LADDER RACK).
7. EZ-PATH SERIES 44+ FIRE-RATED PATHWAY (OR HILTI 4" SPEED SLEEVE).
8. PLYWOOD BACKBOARD. PROVIDED BY DIVISION 26 CONTRACTOR.
9. PRIMARY BONDING BUSBAR (PBB).
10. 4" CONDUIT.
11. 3" CONDUIT.
12. SECONDARY BUS BAR (SBB).
13. LADDER RACK CABLE TRAY.
14. POWER DISTRIBUTION UNIT (PDU).
15. UNINTERRUPTIBLE POWER SUPPLY (UPS).
16. 45 RU FLOOR MOUNTED EQUIPMENT RACK.
17. 6" VERTICAL CABLE MANAGER.
18. BUILDING ACCESS SYSTEM CONTROL PANEL.
19. SPACE RESERVED FOR FUTURE TECHNOLOGY EQUIPMENT RACK.

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TECHNOLOGY ENLARGED PLAN

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DESIGNED BY:	Designer
CHECKED BY:	Checker
PROJECT NUMBER:	2025-0539

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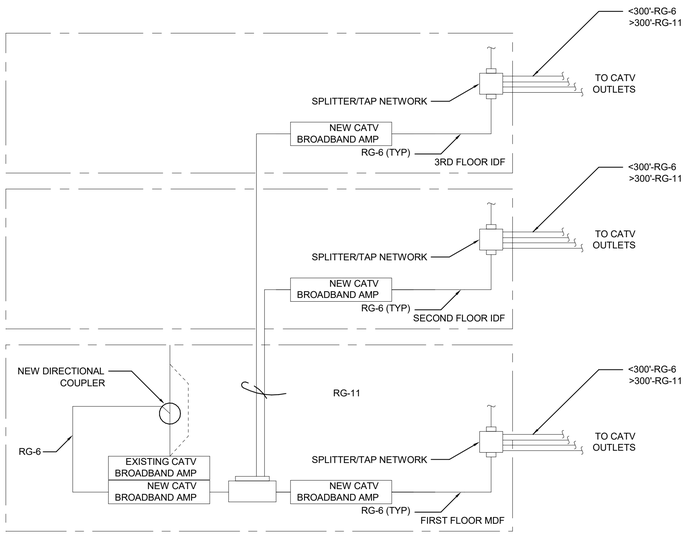
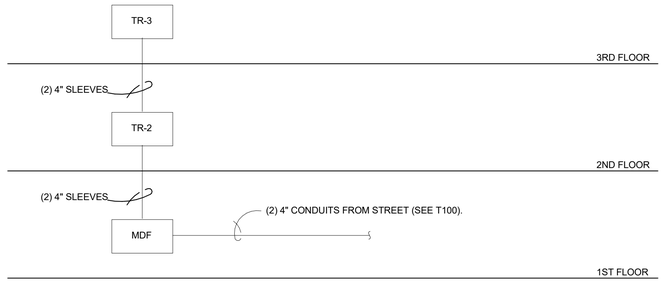


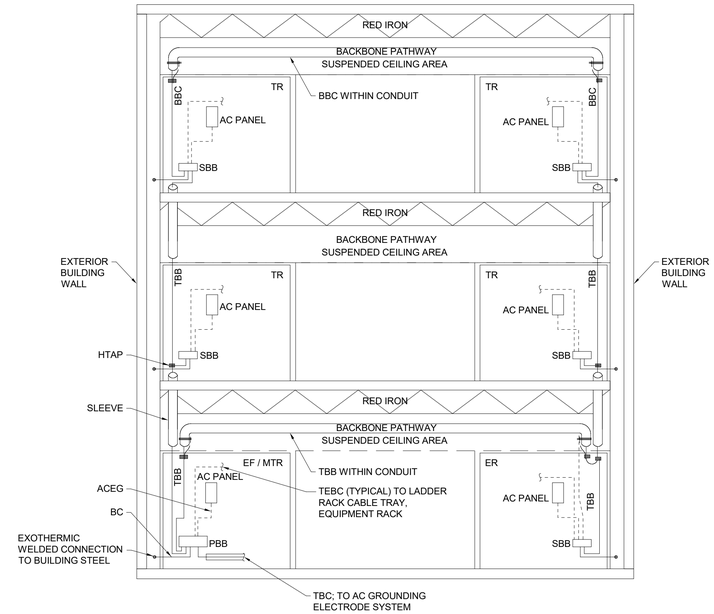
1 DIAGRAM

CATV SYSTEM SCHEMATIC N.T.S.



2 DIAGRAM

TECHNOLOGY CONDUIT RISER N.T.S.



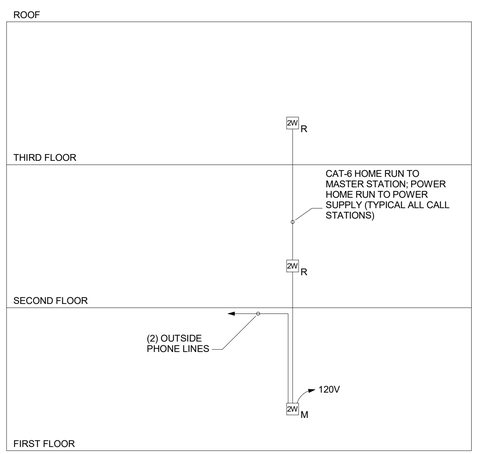
3 DETAIL

TELECOMMUNICATIONS BONDING INFRASTRUCTURE N.T.S.

ABBREVIATIONS		DIVISION	SIZE
ACEG	ALTERNATING CURRENT EQUIPMENT GROUND	26	6 AWG
BBC	BACKBONE BONDING CONDUCTOR	26	26 05 27
BC	BONDING CONDUCTOR	26	4/0 AWG
EF	ENTRANCE FACILITY	N/A	N/A
ER	EQUIPMENT ROOM	N/A	N/A
GEC	GROUNDING ELECTRODE CONDUCTOR	26	6 AWG
MTR	MAIN TELECOMMUNICATIONS ROOM	N/A	N/A
PBB	PRIMARY BONDING BUSBAR	26	26 05 27
RBB	RACK BONDING BUSBAR	27	26 05 27
SBB	SECONDARY BONDING BUSBAR	26	26 05 27
SBC	SECONDARY BONDING CONDUCTOR	26	26 05 27
TBB	TELECOMMUNICATIONS BONDING BACKBONE	26	26 05 27
TBC	TELECOMMUNICATIONS BONDING CONDUCTOR	26	26 05 27
TEBC	TELECOMMUNICATION EQUIPMENT BONDING CONDUCTOR	27	26 05 27
TR	TELECOMMUNICATIONS ROOM	N/A	N/A

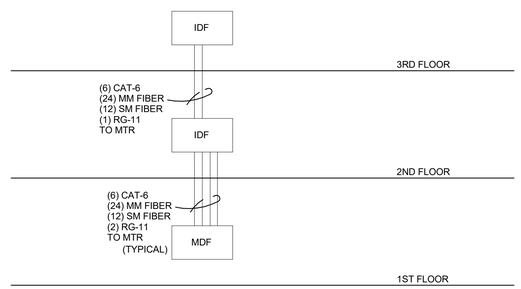
GENERAL NOTES

1. ROOMS, QUANTITY OF FLOORS, AND EQUIPMENT SHOWN ARE REPRESENTATIONAL.
2. REFER TO ENLARGED ROOM PLAN(S) FOR ACTUAL EQUIPMENT COUNTS AND LOCATIONS.
3. BOND ALL RACKS, CONDUITS, CONDUIT SLEEVES, CABLE TRAYS, METALLIC CABLE SHEATHS, AND ALL EQUIPMENT PER CURRENT VERSION OF ANSI/TIA 607.
4. REFER TO FLOOR PLANS FOR TECHNOLOGY ROOM LOCATIONS.



4 DETAIL

2-WAY EMERGENCY COMMUNICATIONS SYSTEM N.T.S.



5 DIAGRAM

DATA/VOICE RISER N.T.S.

GENERAL NOTES

1. UNLESS NOTED, ALL FIBER OPTIC CABLES SHALL BE MULTI-MODE 50/125 OM3 ARMORED TYPE.
2. VERTICAL BACKBONE INSTALLED IN 4" CONDUIT SUPPLIED IN DIVISION 26.
3. HORIZONTAL BACKBONE INSTALLED IN CONDUITS, CABLE TRAY OR OTHER APPROVED SUPPORT.
4. ALL BACKBONE CABLE FROM TR'S SHALL BE EXTENDED TO MTR.

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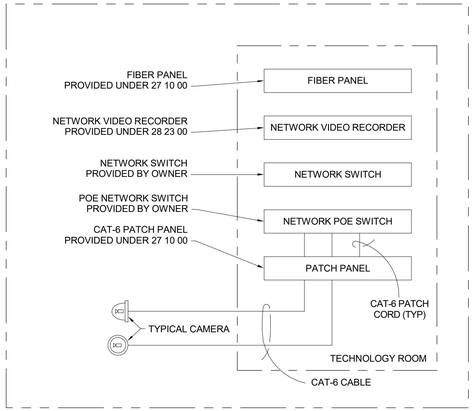
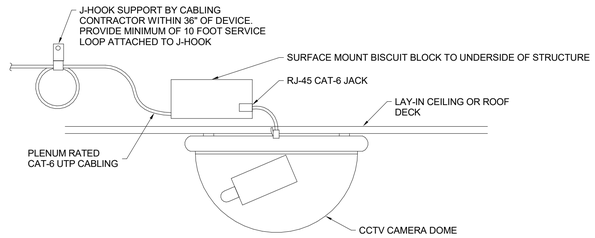


9 DIAGRAM

IP VIDEO SURVEILLANCE RISER — N.T.S.

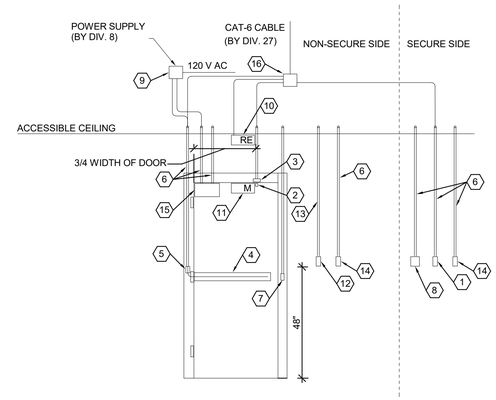
NOTES

1. CONTRACTOR SHALL VERIFY CABLING REQUIREMENTS PRIOR TO INSTALLATION.
2. DIAGRAM IS FOR REFERENCE ONLY. CONTRACTOR SHALL SUBMIT FOR APPROVAL A SPECIFIC DIAGRAM.
3. CONTRACTOR SHALL COORDINATE EXACT POWER SUPPLY CONNECTIONS AND CIRCUIT TO UPS.
4. CONTRACTOR SHALL SUPPLY ALL PATCH CABLES AND INTERCONNECTIONS OF THE SYSTEM COMPLY WITH SECTION 27 10 00 FOR CABLING.



2 DETAIL

CCTV CAMERA - STANDARD CONNECTION — N.T.S.



3 DETAIL

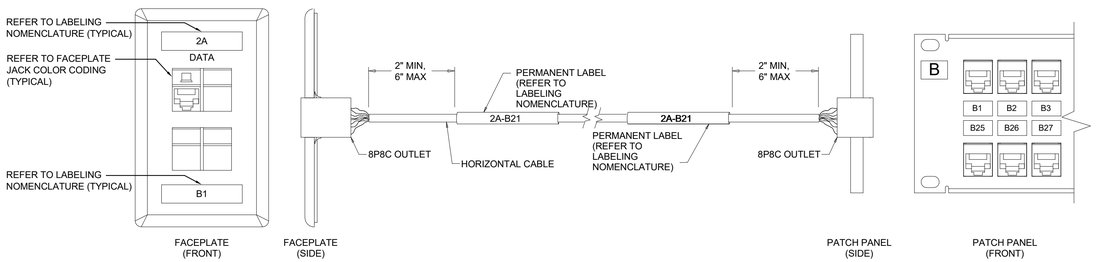
SINGLE DOOR SECURITY DEVICE — N.T.S.

GENERAL NOTES

1. EACH DOOR DOES NOT CONTAIN EACH DEVICE DEPICTED. SEE DOOR HARDWARE SCHEDULE AND FLOOR PLANS FOR MORE INFORMATION.
2. ALL REFERENCES TO DIV. 28 ARE NOT IN CONTRACT. THIS CONTRACT INCLUDES ROUGH-IN, POWER, AND NETWORK CABLE REQUIREMENTS.

CODED NOTES

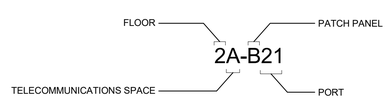
1. CARD READER BY DIV. 28. BACKBOX BY DIV. 26.
2. DOOR CONTACT BY DIV. 28.
3. BACKBOX AND 3/4" CONDUIT FROM BACKBOX TO ABOVE ACCESSIBLE CEILING BY DIV. 26. UTILIZE FOR DOOR CONTACT (AND MAG LOCK IF APPLICABLE).
4. ELECTRIC CRASH BAR (IF APPLICABLE) INSTALLED BY DIV. 8 AND WIRED TO POWER SUPPLY BY DIV. 28.
5. BACKBOX MOUNTED IN DOOR FRAME (IF ELECTRIC CRASH BAR UTILIZED) BY DIV. 26.
6. 3/4" CONDUIT FROM BACKBOX TO ABOVE CEILING (IF DEVICE UTILIZED) BY DIV. 26.
7. BACKBOX AND 3/4" CONDUIT FROM TO ABOVE ACCESSIBLE CEILING FOR DOOR STRIKE (IF APPLICABLE) BY DIV. 26.
8. KEYPAD BY DIV. 28. 4- SQUARE MASONRY BACKBOX BY DIV. 26.
9. POWER SUPPLY INSTALLED AND WIRED TO 120 V AC BY DIV. 26.
10. REQUEST TO EXIT MOTION DETECTOR (IF APPLICABLE) BY DIV. 28. MOUNT TO CEILING CENTERED ABOVE DOORWAY WHENEVER POSSIBLE. IF CEILING MOUNT IS NOT POSSIBLE WALL MOUNT WITH A SINGLE GANG BOX AT 108" AND EXTEND A 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING BY DIV. 26.
11. MAGNETIC DOOR LOCK (IF APPLICABLE) BY DIV. 8. UTILIZE SAME CONDUIT AS DOOR CONTACT. PROVIDE FIRE ALARM TIE IN TO RELEASE MAG LOCK UPON ACTIVATION OF FIRE ALARM.
12. REQUEST TO EXIT BUTTON (IF APPLICABLE) BY DIV. 28. SINGLE GANG MASONRY BACKBOX (IF APPLICABLE) BY DIV. 26.
13. 3/4" CONDUIT FROM BACKBOX TO ABOVE ACCESSIBLE CEILING (IF MAG LOCK UTILIZED) BY DIV. 26.
14. WALL ACTUATOR STATION FOR DOOR OPERATOR BY DIV 8. SINGLE GANG MASONRY BACKBOX BY DIV. 26.
15. POWER OPERATED DOOR OPERATOR (IF WALL ACTIVATOR UTILIZED) BY DIV. 8.
16. DOOR CONTROLLER BY DIV. 28.



9 DETAIL

TYPICAL CABLE LABELING AT OUTLET AND PATCH PANEL — SCALE

LABELING NOMENCLATURE



1A = MAIN TECHNOLOGY ROOM
2A = TECHNOLOGY ROOM

OUTLET TYPE AND PATCH PANEL TYPE SERVED FROM:
W = WIRELESS ACCESS POINT PATCH PANEL

FACEPLATE JACK COLOR CODING

COLOR	DESCRIPTION
BLUE	DATA
WHITE	ANALOG VOICE

1. ALL WORK AREA OUTLET FACEPLATE JACKS AND PATCH PANEL JACK LABELS SHALL BE COLOR-CODED.

2. ALL TR / MTR PATCH CABLES SHALL BE COLOR-CODED AS LISTED ABOVE.

3. ALL CAT-6 HORIZONTAL CABLING SHALL BE BLUE. ALL FIBER CABLING SHALL BE YELLOW.

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DESIGNED BY:	Designer
CHECKED BY:	Checker
PROJECT NUMBER:	2025-0539

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Technology Matrix				
Scope Item	System/Mfr	Vendor/Installer	Procured By	Comments
Structured Wiring - For Building and Units - Structed Wiring is required to be installed by GC for all items procured by owner	N/A	TBD - Bid Out by GC	GC	This system supports wired connectivity for Information Technology Systems. The Structure Wiring has been designed to NOT be application specific. This means that it can be used as the wired connections for numerous applications such as telephone systems, computer networks, call systems, cable TV services, building-to-building communications, intercom systems, access control systems, security camera systems, wireless access points, building information systems, etc. The intent of this unifying approach is to eliminate multiple low-voltage vendors performing duplicate work. Each unit gets - 2 RG6 cables going back to the IDF - 1 for the OTA and 1 for Cable. 1 Cat6 cables going back to the IDF. - Need based on Telecom Partner Agreements per Choice.
Business Network - For Building - Office PCs - Office network / Printer / copier	TBD	Property Management / Ops Director / Prelude	Owner	This system attaches to the Structured Wiring system provided as part of the Base Building. Prelude need only provide/install connecting cables between devices and the work area outlets (WAOs) and provide/install connecting cables at switching fabric to be furnished in the respective Telecommunications Rooms. FFE Procurement and Design Leader comes up with a plan for drop locations. Need to circulate plane to Property Management in advance to confirm locations and quantities of Outlets/Cabling. A/E to provide Low Volt Connection points.
Resident Common Area Wifi - - Provided by Owner - Business Center		Unmanaged - Layout per Architect or Managed per Choice Selection	GC	This system attaches to the Structured Wiring system provided as part of the Base Building. Only running infurstructure to each floor for potential future install of wireless access points if wanted or if required by QAP. For Example - Building wide wifi provided by owner.
Cable TV / Internet - Resident Unit System	Cable System Provider	Choice	Owner	Wire cabling from IDF to Resident Media Panel is accounted for in the Structured Wiring scope of work. Service provider must install amplifiers & taps in Telecommunication Rooms as well as backbone infrastructure to interconnect such equipment to their building feed.
Fiber Internet	Fiber Provider	Choice	Owner	Fiber to be installed by fiber provider
Call System - For Units	Navicall	Jayson Wickard Advanced Communications jwickard@myadvancedcomm.com 419-464-7548	GC	This system is wireless-based yet requires low voltage power at select transceiver locations throughout building. It is quite possible to power these locations using passive PoE over the Structured Wiring to eliminate the need for randomly placed 120VAC outlets for this purpose. Above-ceiling WAOs are located proximate to likely transceiver placements. Only if required. If not required, existing system is to be removed by GC.
Telephone System - For Property Management Operations	TBD	Choice - Run By Service Providers	Owner	Dependant on Provider Agreement if on Site.
Telephone System - For Building Systems	TBD	Equipment Installer	GC	Communications systems for building systems such as Area of Refuge, Elevator, Life Safety items, Hotbox Communications etc. Service for Elevator / Alarm systems - Preferred to be cell service provided by installer. Voip through internet provider if necessary.
Door Entry / Access Control	Butterfly	Butterfly Certified Installed	GC	Accounted for in the Structured Wiring scope of work and the modified EC scope of work. Butterfly requires Internet Connection. Needs to be planned in Structured Wiring Scope
Security Camera System	TBD	Per Architect Plans - Camera Specs to be Provided	GC	System to be installed by GC selected Low Volt contractor. Cameras to be installed in standard locations identified on drawings. - PoE (Power over ethernet) - NVR - Local Storage
ERRC - First Responders RF System Requires Base Building rough-in Site conditions dictate need	TBD		Roughin by GC Implementation by GC as needed (Life-Safety domain)	Testing by GC prior to Drywall. Install of Conduit if needed. Re-testing after drywall install and pull wires if needed. Install of system as Add/Alt by GC if required.
Fire Alarm Panel	TBD	TBD	GC	Non-Proprietary System - Honeywell Silent Night Recommended.
OTA Antenna	TBD	TBD	GC	OTA Antenna Fully wired with splitters and homeruns to tennants units on 2nd Coax drop. Fully functional in all units.
Identified vendors / installers and systems are preferred by the owner. Any deviation to these should be provided as an alternate to the project for owner review.				
Structed Wiring is required to be installed by GC for all items procured by owner				

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NO.	DATE	REVISION

JOB NO. : 2025-21
PHASE : DESIGN DEVELOPMENT
ISSUED FOR : REVIEW
DATE : REVIEW

TECHNOLOGY DETAILS

T703

KORDA
KORDA/NEMETH ENGINEERING
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DRAWN BY: Author
DESIGNED BY: Designer
CHECKED BY: Checker
PROJECT NUMBER: 2025-0539

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