# Sutton's Landing AA (10) Highway, Maysville, KY 41065

Developed By:

# Model Group

# **1826 RACE STREET** CINCINNATI, OHIO 45202

|     |         | Revision List |
|-----|---------|---------------|
| NO. | DATE    | DESCRIPTION   |
|     | 8.18.23 | Addendum 1    |
|     |         |               |
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| Maysville      |                   |              |               |                         |             |                         |     |                       |                        |               |  |  |
|----------------|-------------------|--------------|---------------|-------------------------|-------------|-------------------------|-----|-----------------------|------------------------|---------------|--|--|
| Gross Conditio | Gross Conditioned |              |               |                         |             |                         |     |                       |                        |               |  |  |
|                | First floor       | Second floor |               |                         | Storage     |                         |     |                       | Number of              |               |  |  |
| Building Type  |                   |              | Building Area | No. of storage<br>units | Area (S.F.) | Storage Total<br>(S.F.) | OLM | Building Area Total** | Number of<br>buildings | Total Sq. Ft. |  |  |
| Туре І         | 4,183.00          | 0.00         | 4,183.00      |                         |             |                         |     | 4,183.00              | 6.00                   | 25,098.00     |  |  |
| Type II        | 3,895.00          | 0.00         | 3,895.00      |                         |             |                         |     | 3,895.00              | 2.00                   | 7,790.00      |  |  |
| Type III       | 2,434.00          | 0.00         | 2,434.00      |                         |             |                         |     | 2,434.00              | 1.00                   | 2,434.00      |  |  |
| Clubhouse      | 3,694.00          |              | 3,694.00      |                         |             |                         |     | 3,694.00              | 1.00                   | 3,694.00      |  |  |
|                |                   |              |               |                         |             |                         |     |                       |                        |               |  |  |
|                |                   |              |               |                         |             |                         |     |                       |                        |               |  |  |
|                |                   |              |               |                         |             |                         |     | Proiect total         | 10.00                  | 39.016.00     |  |  |

| 1                   |            | 1                  | 1            |                             | Project tota | 10.00 | 39,016.00      |
|---------------------|------------|--------------------|--------------|-----------------------------|--------------|-------|----------------|
| Net Conditioned     |            |                    |              | ·                           |              |       |                |
| Туре                | Net Sq.Ft. | No. of<br>bedrooms | No. of units | Total number<br>of bedrooms |              | Тс    | tal Net Sq.Ft. |
| A - 3 BR Typ.       | 1,104.00   | 3.00               | 5.00         | 15.00                       |              |       | 5,520.00       |
| B - 1 BR Typ.       | 652.00     | 1.00               | 20.00        | 20.00                       |              |       | 13,040.00      |
| C - 2 BR Typ. *     | 886.00     | 2.00               | 11.00        | 22.00                       |              |       | 9,746.00       |
| Clubhouse           | 3,431.00   |                    |              | 0.00                        |              |       | 3,431.00       |
| A - 3 BR Accessible | 1,104.00   | 3.00               | 1.00         | 3.00                        |              |       | 1,104.00       |
| B - 1 BR Accessible | 652.00     | 1.00               | 2.00         | 2.00                        |              |       | 1,304.00       |
| C - 2 BR Accessible | 886.00     | 2.00               | 1.00         | 2.00                        |              |       | 886.00         |
| Total               |            |                    | 40.00        | 64.00                       | Total        |       | 35,031.00      |

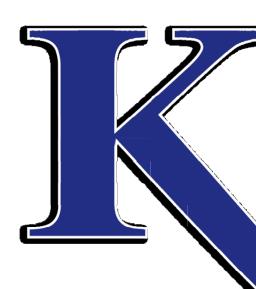
\* INDICATES 1 SIGHT/HEARING IMPAIRED UNIT.

<sup>1)</sup>Gross Conditioned - enclosed floor area (square feet) within the insulated building envelope (a.k.a., conditioned). Measured to the outside edge of exterior wall structural members (i.e., outside edge of wall studs). Does not include exterior covered floor area (e.g., covered porches, balconies, and exterior stairwells), parking garages, or unconditioned attic / basement space. For rental projects, includes unit(s) and common areas. <sup>2)</sup> Net Unconditioned - Enclosed area within the building envelope (but not typically insulated) that is not conditioned (e.g., unfinished basements), and exterior storage closets.

<sup>3</sup> Covered Exterior - Includes exterior covered porches, covered balconies, covered exterior stairwells, and covered breezeways. Also includes vehicle parking areas in parking garages.

<sup>4)</sup> Total Under Roof - Sum of all floor area (gross conditioned, net unconditioned, and covered exterior), which is covered

by the roof. Not to be mistaken with total ground cover, the total under roof includes the floor areas for multiple floors (stories), while ground cover would only include the ground floor area.





## Project Data

| CODE DATA  |                               |                    |         |     |
|--|-------------------------------|--------------------|---------|-----|
| Code: 2018 Kentucky Buil                         | ding Code                     |                    |         | ×^. |
| Occupancy/Use: R-2 Apar                          |                               | ommon Wall Rating: | {1 Hour |     |
| Construction Type: 5B                            | P                             | arapet Wall: N/A   | Curr    |     |
|  | : 2 stories, 7,000 SF allowed |                    |         |     |
| SITE DATA  |                               |                    |         |     |
| Site Area  | 12.6 Acres                    |                    |         |     |
| Parking, Total                                   | 94 Spaces (14 Accessible)     |                    |         |     |
|  |                               |                    |         |     |
| COMPLIANCE WITH DESIG                            | IN REQUIREMENTS               |                    |         |     |
|  |                               |                    |         |     |
| KHC Minimum Design , 2020                        | )                             |                    |         |     |
| KHC Minimum Design , 2020<br>ANSI - A117.1(2009) | )                             |                    |         |     |



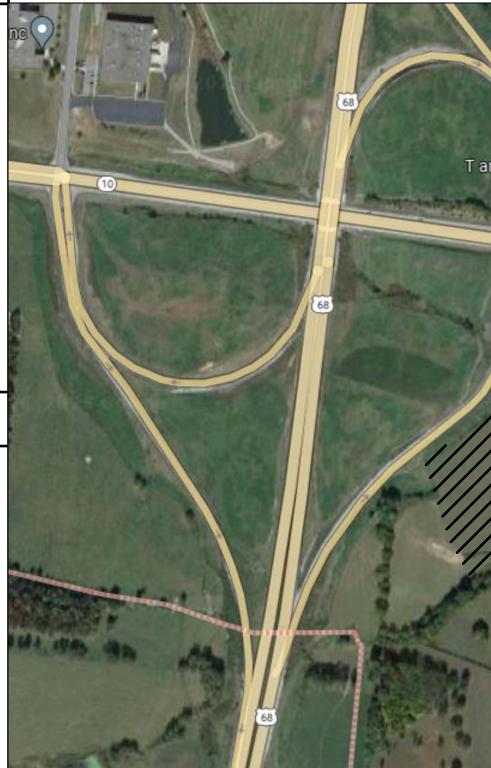
065 (10) Highway, AA

### General Requirements Notes

- 1. PRIOR TO STARTING CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL REGULATORY AUTHORITIES. FAILURE OF THE CONTRACTOR TO FOLLOW THIS PROCEDURE SHALL CAUSE THE CONTRACTOR TO ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATION OF THE WORK MANDATED BY ANY REGULATORY AUTHORITY.
- 2. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION OF ANY ITEM. FAILURE TO ADHERE TO THIS PROCEDURE SHALL PLACE FULL RESPONSIBILITY FOR ANY ERRORS DIRECTLY UPON THE CONTRACTOR.
- 3. CALL TOLL FREE 1-800-752-6007 TWO (2) WORKING DAYS BEFORE YOU DIG .
- 4. DUE TO NATURE OF THE WORK THE CONTRACTOR WILL NEED TO EXAMINE THE EXISTING SITE CONDITIONS PRIOR TO BIDDING.
- 5. WHEN "INSTALL" IS USED ON THIS DOCUMENT, IT IS TO MEAN: PROVIDE ITEM AND PLACE INTO USEABLE SERVICE WHILE OBSERVING ALL APPLICABLE CODES AND CONTRACT DOCUMENTS.

General Environmental Notes

1. THE CONTRACTOR SHALL AT NO TIME INCORPORATE ANY MATERIALS THAT ARE COMPOSED OF OR CONTAIN ANY AMOUNT OF ASBESTOS. THE SUBSTITUTION OF MATERIALS, WHICH ARE COMPOSED OF OR CONTAIN ANY AMOUNTS OF ASBESTOS, WILL IN NO CIRCUMSTANCES BE ACCEPTABLE. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR AND THE PROJECT ARCHITECT SHALL SUBMIT WRITTEN STATEMENTS OR CERTIFICATIONS ASSERTING THAT NO ASBESTOS CONTAINING MATERIALS WERE USED IN ANY PORTION OF THE CONSTRUCTION.



Vicinity Map

### Index to Drawings

| Sheet No. | Sheet Title   | Revision No.     | Sheet No. | Sheet Title                                 | Revision No. | Sheet No. | Sheet Title                         | Revision No. | Sheet No. | Sheet Title                               | Revision No. |
|-----------|---|------------------|-----------|---|--------------|-----------|-------------------------------------|--------------|-----------|---|--------------|
|           | Coversheet  | ⚠8/18/23         | A100      | Building Plans - Type I & I.A               | ⚠8/18/23     | S-0.1     | Structural Notes                    |              | P-0.1     | Plumbing Notes and Details                |              |
| G100      | General Information   |                  | A101      | Building Plans - Type II & III              | ⚠8/18/23     | S-1.0     | Structural Drawings                 |              | P-1.0     | Building Type I & I.A - Plumbing Plans    |              |
| G101      | General Information - ADA Requirements                      |                  | A102      | Clubhouse Building Plan - Details           | ⚠8/18/23     | S-1.1     | Structural Drawings                 |              | P-1.1     | Building Type II & III - Plumbing Plans   |              |
| G102      | Bldg. Envelope - Air Barrier/Air Sealing/Insulation Details |                  | A103      | Clubhouse Interior Elevations and Details   | ⚠8/18/23     | S-1.2     | Structural Drawings                 |              | P-1.2     | Unit Water Plan                           |              |
| G103      | Bldg. Envelope - Air Barrier/Air Sealing/Insulation Details |                  | A104      | Unit Type "A" - 1BR Accessible Plan         | ⚠8/18/23     | S-1.3     | Structural Drawings                 |              | P-1.2     | Unit DWV Plan                             | ⚠8/18/23     |
| G104      | Wall Types/UL Listings                                      | ⚠8/18/23         | A105      | Unit Type "A.1" - 1 BR Fair Housing/Typical | ⚠8/18/23     | S-1.4     | Structural Drawings                 |              |           | Clubhouse Building - Water Plan           |              |
| G105      | Code Requirements   | <u>∧</u> 8/18/23 | A106      | Unit Type "B" - 2 BR Accessible             | ⚠8/18/23     | S-1.5     | Structural Drawings                 |              | P-1.5     | Clubhouse Building - DWV Plan             |              |
| G106      | Code Requirements   | ₼8/18/23         | A107      | Unit Type "B.1" - 2 BR Fair Housing/Typical | ⚠8/18/23     | S-2.0     | Structural Drawings                 |              | P-1.6     | Unit Plans DWV Riser Diagrams             |              |
|           |   |                  |           | Unit Type "C" - 3 BR Accessible             | ⚠8/18/23     | S-2.1     | Structural Drawings                 |              | P-1.7     | Clubhouse DWV Riser Diagrams              |              |
| С         | Civil Cover Sheet   |                  | A109      | Unit Type "C.1" - 3 Fair Housing/Typical    | ⚠8/18/23     | S-2.2     | Structural Drawings                 |              |           |   |              |
| C0.0      | Existing Conditions   |                  | A110      | Building Roof Plans                         | ⚠8/18/23     | S-3.0     | Structural Details                  |              | E-0.1     | Electrical Details Notes, & Schedules     |              |
| C1.0      | Site Plan   | ₼8/18/23         | A111      | Building Roof Plans & Details               | ⚠8/18/23     | S-3.1     | Structural Details                  |              | E-0.2     | Panel Schedules                           |              |
| C2.0      | Grading Plan  |                  | A200      | Elevations: Buildings I & II                | ⚠8/18/23     |           |                                     |              | E-0.3     | Panel Schedules                           |              |
| C2.1      | Drainage Plan   | ₼8/18/23         | A201      | Elevations: Buildings III & Clubhouse       | ⚠ 8/18/23    | M-0.1     | Mechanical Notes and Details        |              | E-1.0     | Building Type I & I.A - Electrical Plans  |              |
| C2.2      | ESC Plan  |                  | A202      | Elevations: Stepped Buildings 4, 6 & 7      | ⚠ 8/18/23    | M-0.2     | HVAC Schedules                      |              | E-1.1     | Building Type II & III - Electrical Plans |              |
| C3.0      | Utilities Plan  |                  | A300      | Wall Sections                               | •            |           | Building Type I & I.A - HVAC Plans  |              | E-1.2     | Unit Lighting Plans                       | ⚠8/18/23     |
| C4.0      | Offsite Improvements - Road                                 | <u>∧</u> 8/18/23 | A301      | Wall / Porch - Sections & Details           | ∕∆8/18/23    | M-1.1     | Building Type II & III - HVAC Plans |              | E-1.3     | Unit Power Plans                          |              |
| C4.1      | Offsite Improvements - Water                                |                  | A302      | Clubhouse - Porch Sections                  | ⚠ 8/18/23    | M-1.2     | HVAC Unit Plans                     |              |           | Clubhouse Building - Lighting Plan        |              |
| C5.0      | Details   | ₼8/18/23         | A303      | Clubhouse - Porch Sections                  | ⚠8/18/23     | M-1.3     | Clubhouse Building - HVAC Plans     |              | E-1.5     | Clubhouse Building - Power Plan           |              |
| C5.1      | Details   | ⚠8/18/23         | A304      | Not Used                                    |              |           |                                     |              | E-1.6     | Meter Center Electrical Riser Diagram     |              |
| C5.2      | Details   | ₼8/18/23         | A400      | $(Door \& Window Details)^{2\Delta}$        | ⚠ 8/18/23    |           |                                     |              |           |   |              |
| C5.3      | Details   |                  | A401      | Door & Window Details                       |              |           |                                     |              |           |   |              |
| C5.4      | Notes   |                  | A500      | Building Exterior & Interior Details        | ⚠ 8/18/23    |           |                                     |              |           |   |              |
| L-100     | Landscape Plan  |                  |           |   |              |           |                                     |              |           |   |              |
| L-101     | Site Lighting Plan  |                  |           |   |              |           |                                     |              |           |   |              |
|           |   |                  |           |   |              |           |                                     |              |           |   |              |

# Architectural Symbols

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### - ELEVATION INDICATOR

#### - STRUCTURAL LINE

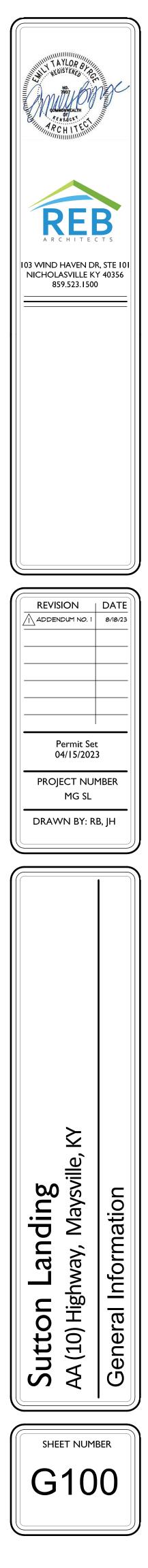
- WOOD OR METAL STUD WALL (LAR
- CONCRETE BLOCK
- FULL HEIGHT BRICK
- CONCRETE
- EXISTING CONSTRUCTION TO REMA
- PERIMETER OR RIGID INSULATION
- BATT INSULATION (LARGE SCALE)
- PARTY WALL/SHEAR WALL/FIRE SE W/ Sound Batts (Stc Wall Rating:
- DEMOLITION
- BRICK WAINSCOT
- EXTERIOR ELEVATION
- DOOR NUMBER
- WINDOW MARK
- ROOM NAME & NUMBER
- DETAIL INDICATOR

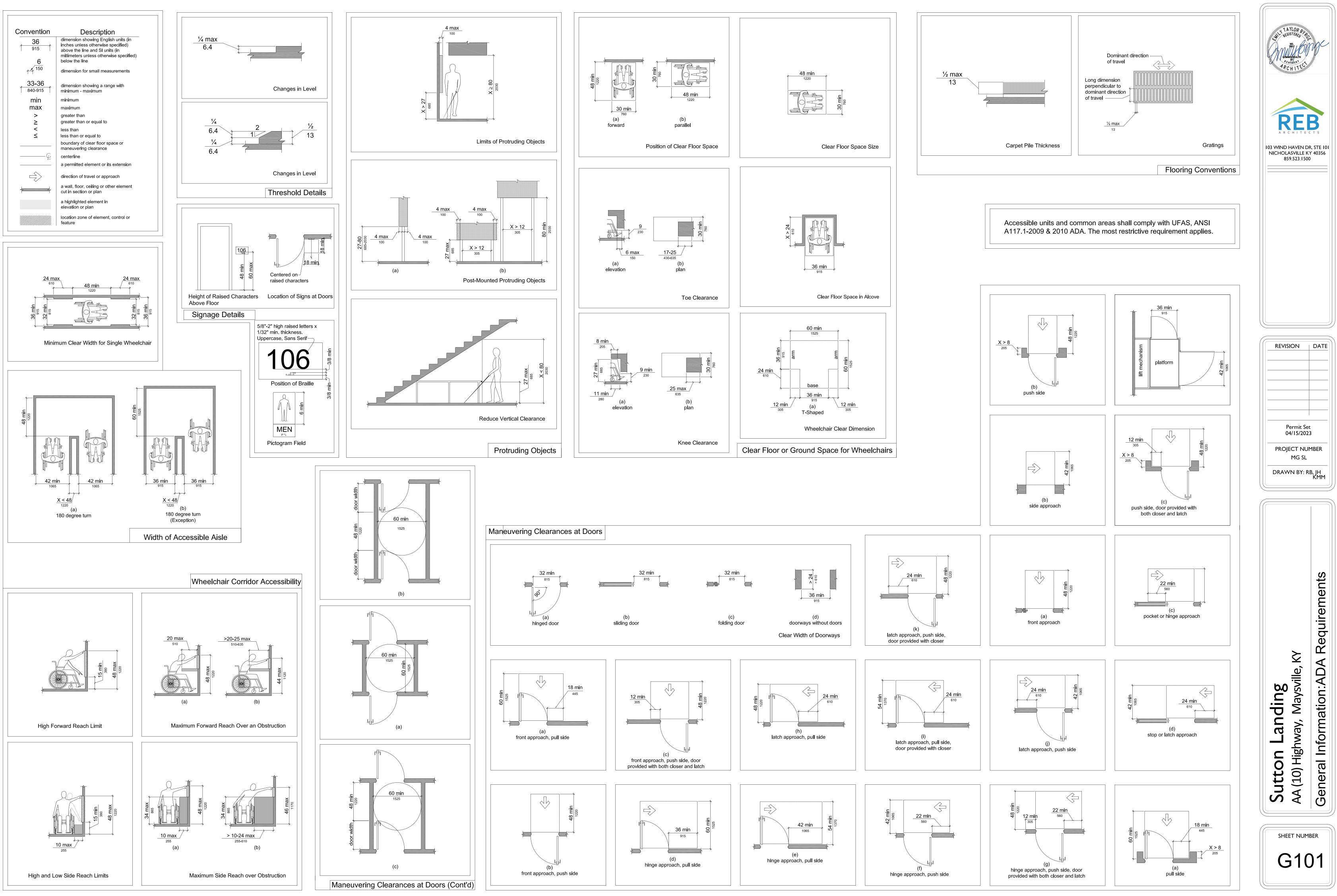
#### - MAJOR SECTION INDICATOR

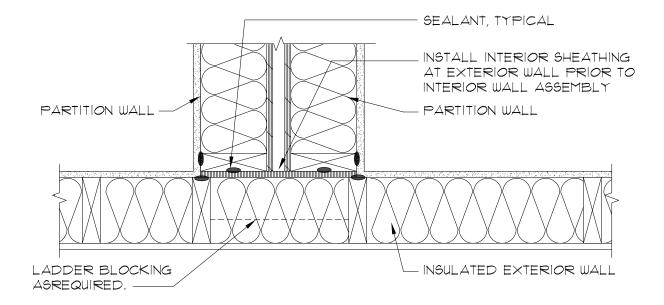
- MATCH LINE
- WALL/ PARTITION TYPE
- CODED DEMO NOTES
- CODED NOTES
- CEILING HEIGHT & TYPE
- FIRE RESISTANCE RATING - (1 HOUR)
- INTERIOR ELEVATION
- INDICATES PLAN NORTH
- ADDENDUM INDICATOR
- BID ALTERNATE INDICATOR
- MECHANICAL FLUE VENT
- V.T.R. PLUMBING VENT
- ROOF TURBINE VENTILATOR

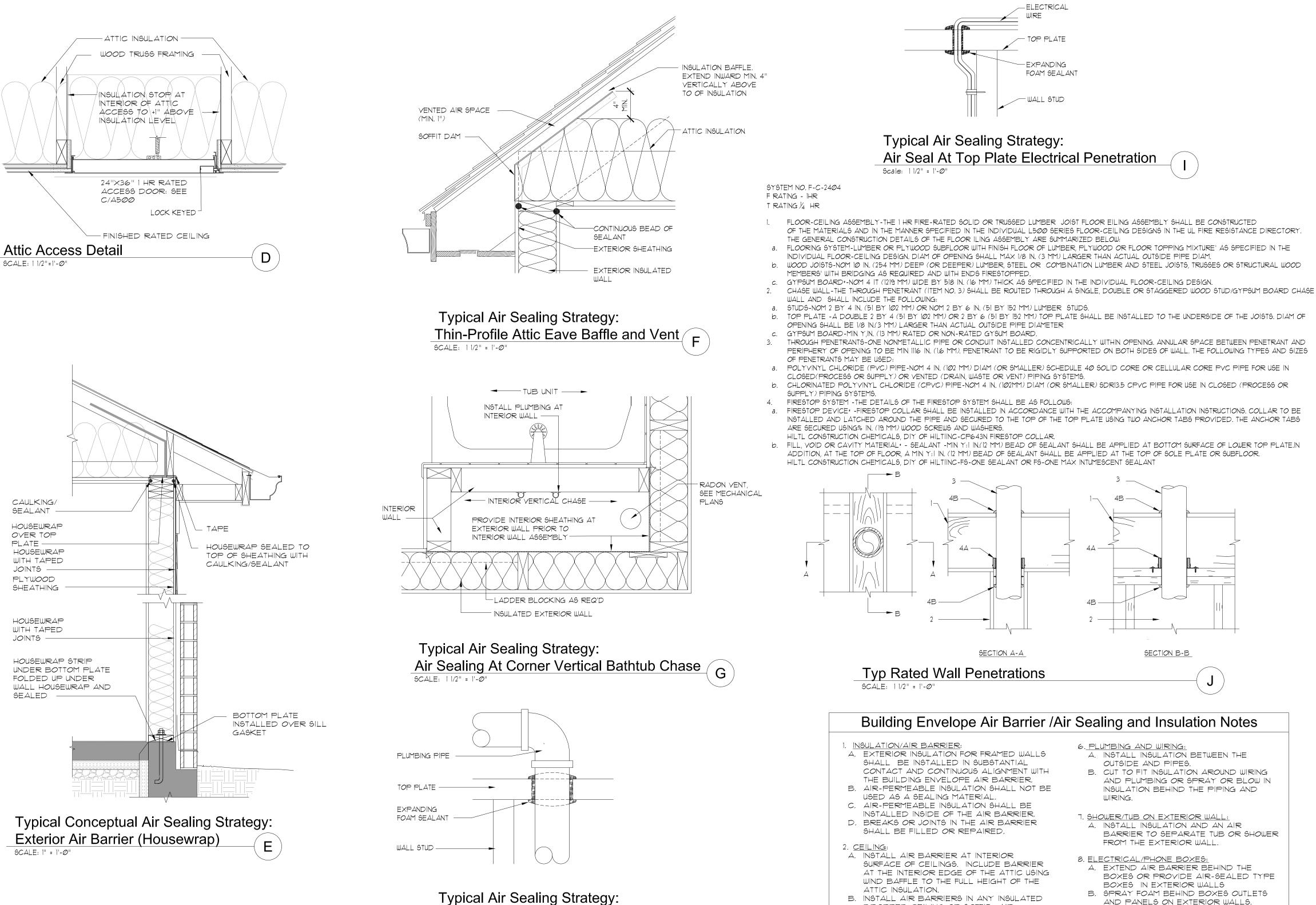
| nd F Signs 🧿           |             |                               | P.          |
|------------------------|-------------|-------------------------------|-------------|
|                        |             |                               | j.,         |
| MIT                    | мениян ст   | 60                            | If Manor Dr |
|                        | 12          | Kenton Station<br>Golf Course |             |
| Hospice of H<br>Care C | nton        |                               |             |
|                        | Polinte Way |                               | G&J<br>E    |

| ols        | Abbrev  | riations  |
|------------|---|---|
| RGE SCALE) | A<br>APPROX. APPROXIMATE<br>AT<br>B<br>BLK BLOCK<br>BM BEAM<br>BM BENCH MARK<br>BOTT BOTTOM<br>BR'G BEARING<br>G<br>C.B CATCH BASIN<br>C.J CONTROL JOINT<br>CLG CELLING<br>C.O CLEAN JUT<br>CONC CONTROL JOINT<br>CLG CONTROL JOINT<br>CLG CONTROL JOINT<br>CLG CONTROL JOINT<br>CLG CONTROL JOINT<br>CLG CONTROL JOINT<br>CONT CONTRUCTION<br>CONT CONTRUCTION<br>CONT CONTRUCTOR<br>CONT CONTRACTOR<br>CONT CONTRACTOR<br>E<br>E.A EACH<br>E.A EACH WAY<br>E.W.C ELECTRIC<br>E.W.C FLOOR DRAIN<br>FE FIRE EXTINGUISHER<br>FIN FINISH<br>FI FLOOR<br>FT'G FLOOR<br>FT'G GAUGE<br>GA GAUGE<br>GA GAUGE<br>GALV GALVANIZE<br>GL GLASS<br>H<br>HB HOSE BIBB<br>HDWE HARDWARE<br>HM HOLLOW METAL<br>HORIZ HORIZONTAL<br>HT HEIGHT<br>H.C HOLLOW CORE<br>I<br>ID INSIDE DIAMETER<br>INSUL INSULATION<br>INV INVERT | L<br>LAM LAMINATE<br>LAV LAVATORY<br>LONG LONGITUDINAL<br>M<br>MATIL MATERIAL<br>MAX: - MAXIMUM<br>MECH MECHANICAL<br>MANF MECHANICAL<br>MANF MINUPACTURER<br>MIN MINUPACTURER<br>MIN MISCELLANEOUS<br>M.O NOT IN CONTRACT<br>NO NUMBER<br>Q<br>O.C ON CENTER<br>O.D OUTSIDE DIAMETER<br>OPNIG OPENING<br>E<br>PL PROPERTY LINE<br>P.S.I SUBARE<br>P.S SUBARE FOOT<br>SHI VERTICAL<br>W<br>W - WITH |
|            | J<br>JT JOINT   | W/ - WITH<br>WD WOOD<br>W.C WATER CLOSET<br>WDW WINDOW<br>W.W.F WELDED WIRE FABRIC  |



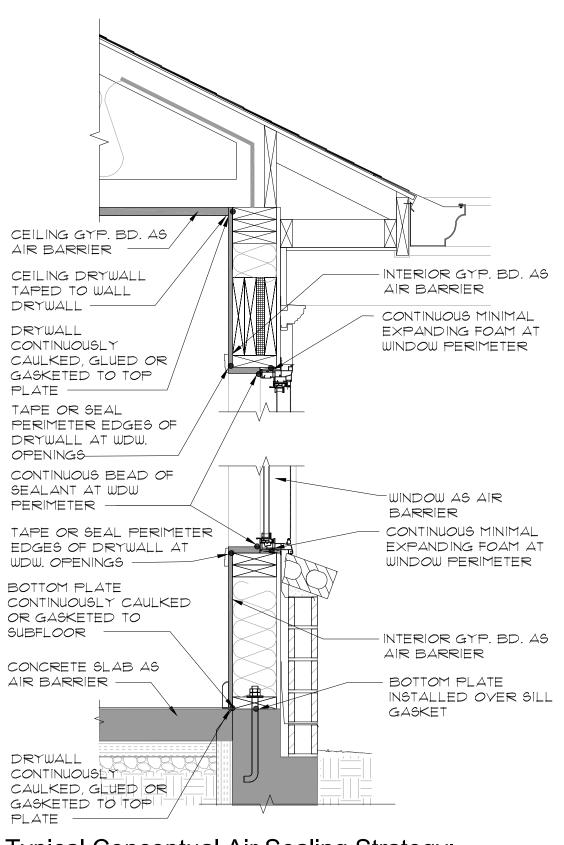




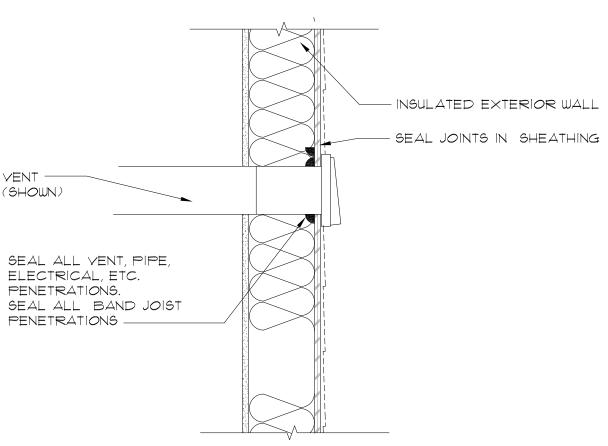


### Typical Air Sealing Strategy:

Air Seal at Common Wall Between Dwelling Units SCALE: 1 1/2" = 1'-Ø"



Typical Conceptual Air Sealing Strategy: Interior Air Barrier (Drywall & Framing) SCALE: 1" = 1'-Ø"

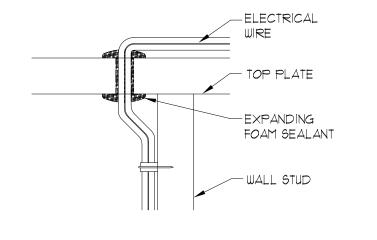


Typical Air Sealing Strategy: Air Seal at Penetrations through Building Envelope SCALE: 1 1/2" = 1'-Ø"

Air Seal At Top Plate Pipe Penetration

Scale: 11/2" = 1'-Ø"



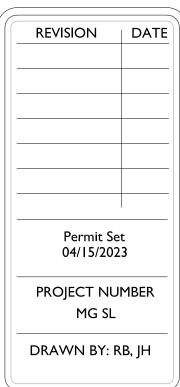


### Building Envelope Air Barrier /Air Sealing and Insulation Notes

- DROPPED CEILING OR SOFFIT. AIR BARRIER SHALL BE SUBSTANTIALLY
- ALIGNED WITH INSULATION AND GAPS SEALED. C. SEAL ATTIC ACCESS (EXCEPT UNVENTED
- ATTIC) 3. <u>WALLS:</u>
- A. INSTALL AIR BARRIER AT BOTH INTERIOR AND EXTERIOR SURFACE OF EXTERIOR WALLS
- B. INSTALL HOUSE WRAP SHINGLED AT HORIZONTAL JOINTS AND SEALED OR TAPED AT ALL JOINTS. C. INSULATED CORNERS AND HEADERS.
- D. SEAL JUNCTION OF FOUNDATION AND SILL PLATES.
- 4. SHAFTS AND PENETRATIONS: A. SEAL ALL DUCT SHAFTS, UTILITY PENETRATIONS, KNEE WALLS AND FLUE SHAFTS THAT OPEN TO EXTERIOR OR UNCONDITIONED SPACE.
- B. ALL PENETRATIONS TO UNCONDITIONED SPACES SHALL BE FULLY SEALED WITH SOLID BLOCKING OR FLASHING AS NEEDED AND CAPS SEALED WITH CAULK OR FOAM.
- 5. NARROW CAVITIES:
- A. BATTS IN NARROW CAVITIES SHALL BE CUT TO FIT, OR CAVITIES TO BE FILLED WITH SPRAYED OR BLOWN INSULATION.

- A. INSTALL INSULATION BETWEEN THE
- B. CUT TO FIT INSULATION AROUND WIRING AND PLUMBING OR SPRAY OR BLOW IN INSULATION BEHIND THE PIPING AND
- A. INSTALL INSULATION AND AN AIR BARRIER TO SEPARATE TUB OR SHOWER
- BOXES OR PROVIDE AIR-SEALED TYPE
- AND PANELS ON EXTERIOR WALLS.
- 9. COMMON WALLS: A. INSTALL AIR BARRIER IN COMMON WALL BETWEEN DWELLING UNITS.
- B. INSTALL SPRAY FOAM BEHIND BOXES, OUTLETS AND PANELS AT COMMON WALL BETWEEN DWELLING UNITS.
- C. SEAL ALL PENETRATIONS IN THE WALLS CEILINGS AND FLOORS OF RESIDENTIAL UNITS, AND VERTICAL CHASES ADJACENT TO DWELLING UNITS.
- 10. DOORS AND WINDOWS: A. SEAL SPACE BETWEEN THE WINDOW OR
- DOOR UNIT AND THE FRAMING WITH CAULK OR FOAM. B. APPLY WEATHER STRIPPING TO ALL
- EXTERIOR DOORS.
- II. HVAC REGISTER BOOTS: A. ALL HVAC REISTER BOOTS THAT PENETRATE THE BUILDING ENVELOPE SHALL BE SEALED TO THE SUBFLOOR OR DRYWALL
- 12. FOUNDATIONS: A. SEAL WITH POLYURETHANE CAULK OR EQUIVALENT AT SLAB OPENINGS, PENETRATIONS, AND CONTROL OR EXPANSION JOINTS.

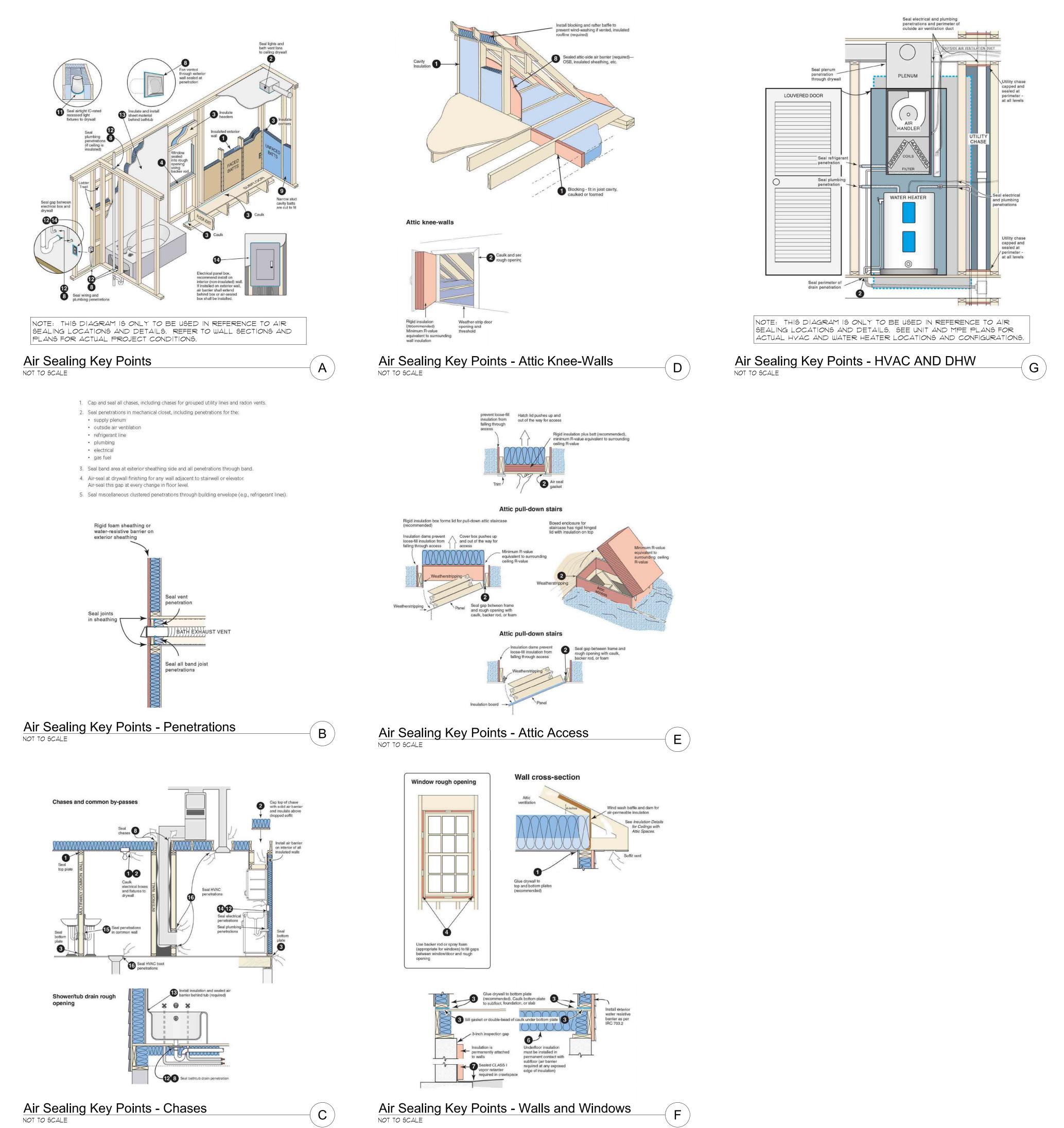






SHEET NUMBER

G102



### Building Envelope Air Barrier /Air Sealing and Insulation Notes

#### INSULATION/AIR BARRIER:

- A. EXTERIOR INSULATION FOR FRAMED WALLS SHALL BE INSTALLED IN SUBSTANTIAL CONTACT AND CONTINUOUS ALIGNMENT WITH THE BUILDING ENVELOPE AIR BARRIER. B. AIR-PERMEABLE INSULATION SHALL NOT BE USED AS A SEALING MATERIAL. C. AIR-PERMEABLE INSULATION SHALL BE INSTALLED INSIDE OF THE AIR BARRIER. D. BREAKS OR JOINTS IN THE AIR BARRIER
- SHALL BE FILLED OR REPAIRED. 2. <u>CEILING</u>:
- A, INSTALL AIR BARRIER AT INTERIOR SURFACE OF CEILINGS. INCLUDE BARRIER AT THE INTERIOR EDGE OF THE ATTIC USING WIND BAFFLE TO THE FULL HEIGHT OF THE ATTIC INSULATION.
- B. INSTALL AIR BARRIERS IN ANY INSULATED DROPPED CEILING OR SOFFIT. AIR BARRIER SHALL BE SUBSTANTIALLY ALIGNED WITH INSULATION AND GAPS SEALED.
- C. SEAL ATTIC ACCESS (EXCEPT UNVENTED ATTIC)

#### 3. <u>WALLS:</u>

- A. INSTALL AIR BARRIER AT BOTH INTERIOR AND EXTERIOR SURFACE OF EXTERIOR WALLS
- B. INSTALL HOUSE WRAP SHINGLED AT HORIZONTAL JOINTS AND SEALED OR TAPED AT ALL JOINTS. C. INSULATED CORNERS AND HEADERS.
- D. SEAL JUNCTION OF FOUNDATION AND SILL PLATES.

#### 4. SHAFTS AND PENETRATIONS:

- A. SEAL ALL DUCT SHAFTS, UTILITY PENETRATIONS, KNEE WALLS AND FLUE SHAFTS THAT OPEN TO EXTERIOR OR UNCONDITIONED SPACE.
- B. ALL PENETRATIONS TO UNCONDITIONED SPACES SHALL BE FULLY SEALED WITH SOLID BLOCKING OR FLASHING AS NEEDED AND CAPS SEALED WITH CAULK OR FOAM.

#### 5. NARROW CAVITIES:

A. BATTS IN NARROW CAVITIES SHALL BE CUT TO FIT, OR CAVITIES TO BE FILLED WITH SPRAYED OR BLOWN INSULATION.

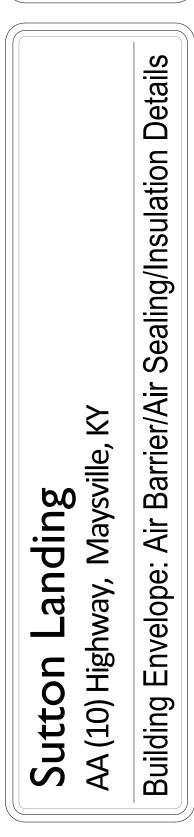
- 6. PLUMBING AND WIRING: A. INSTALL INSULATION BETWEEN THE
- OUTSIDE AND PIPES. B. CUT TO FIT INSULATION AROUND WIRING AND PLUMBING OR SPRAY OR BLOW IN INSULATION BEHIND THE PIPING AND WIRING.
- 1. SHOWER/TUB ON EXTERIOR WALL:
- A. INSTALL INSULATION AND AN AIR BARRIER TO SEPARATE TUB OR SHOWER FROM THE EXTERIOR WALL.
- 8. ELECTRICAL/PHONE BOXES: A. EXTEND AIR BARRIER BEHIND THE BOXES OR PROVIDE AIR-SEALED TYPE BOXES IN EXTERIOR WALLS
- B. SPRAY FOAM BEHIND BOXES OUTLETS AND PANELS ON EXTERIOR WALLS.
- 9. <u>COMMON WALLS:</u>
- A. INSTALL AIR BARRIER IN COMMON WALL BETWEEN DWELLING UNITS. B. INSTALL SPRAY FOAM BEHIND BOXES, OUTLETS AND PANELS AT COMMON WALL
- BETWEEN DWELLING UNITS. C. SEAL ALL PENETRATIONS IN THE WALLS CEILINGS AND FLOORS OF RESIDENTIAL UNITS, AND VERTICAL CHASES ADJACENT
- 10. DOORS AND WINDOWS:

TO DWELLING UNITS.

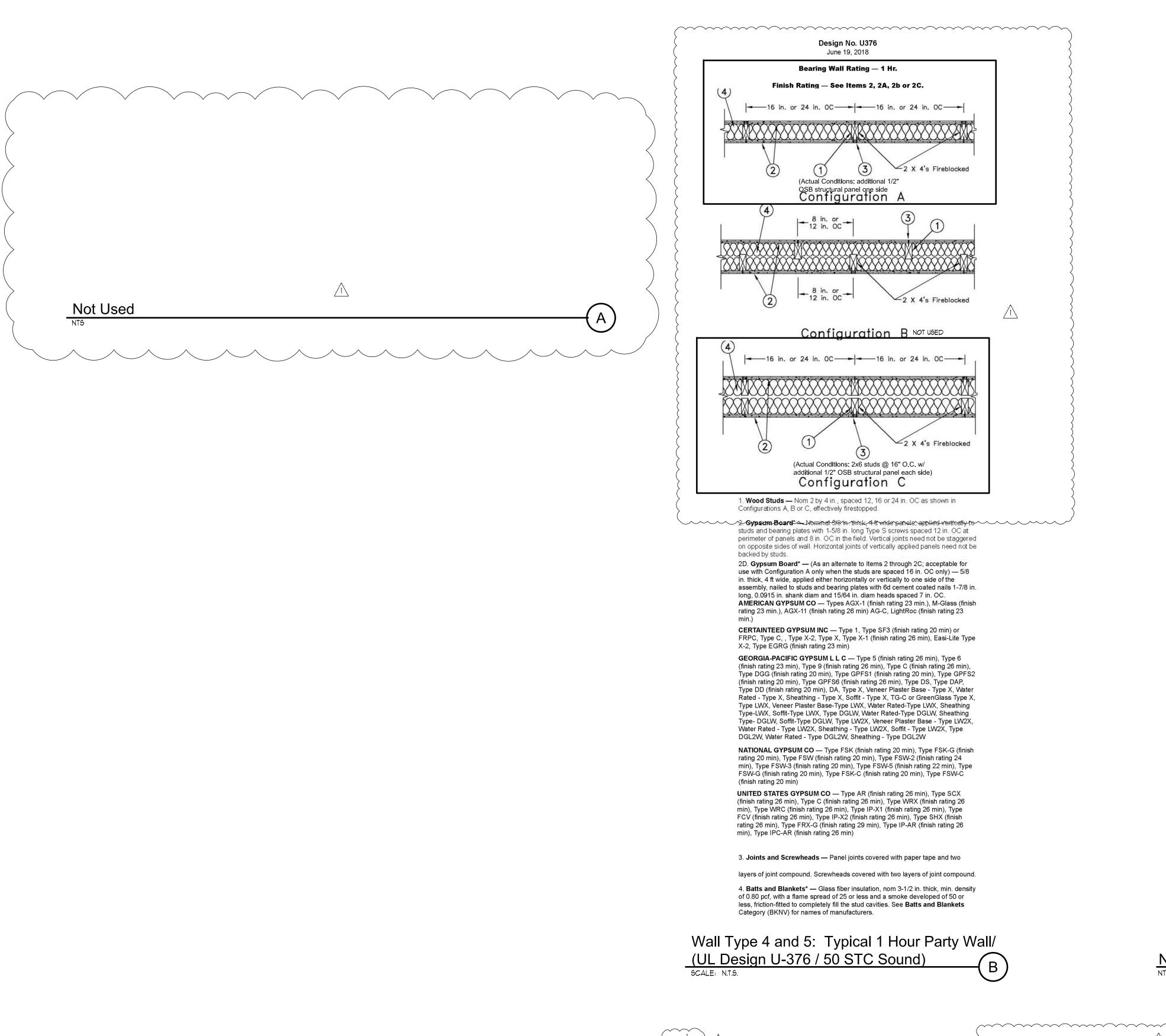
- A. SEAL SPACE BETWEEN THE WINDOW OR DOOR UNIT AND THE FRAMING WITH CAULK OR FOAM.
- B. APPLY WEATHER STRIPPING TO ALL EXTERIOR DOORS.
- 11. HVAC REGISTER BOOTS: A. ALL HVAC REISTER BOOTS THAT PENETRATE THE BUILDING ENVELOPE SHALL BE SEALED TO THE SUBFLOOR OR DRYWALL.
- 12. FOUNDATIONS: A. SEAL WITH POLYURETHANE CAULK OR EQUIVALENT AT SLAB OPENINGS, PENETRATIONS, AND CONTROL OR EXPANSION JOINTS.

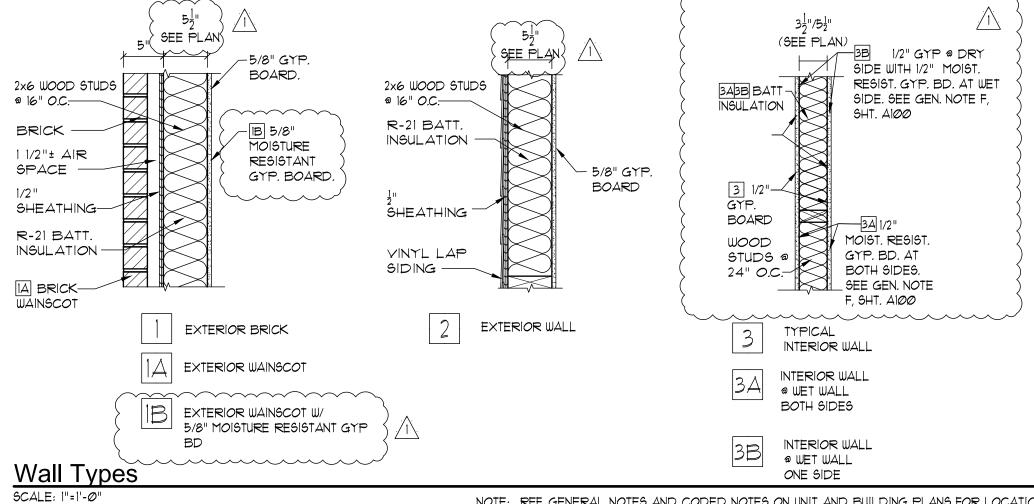


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| DRAWN BY          | ′: RB, JH |

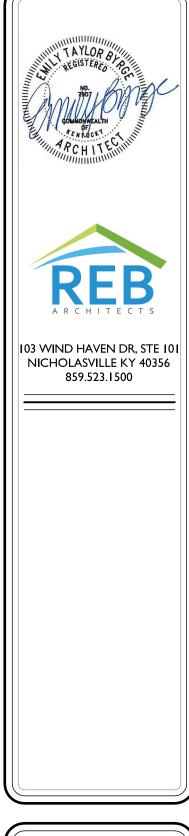


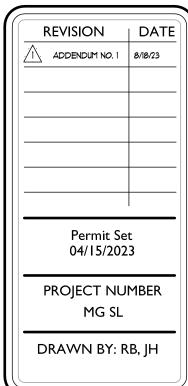


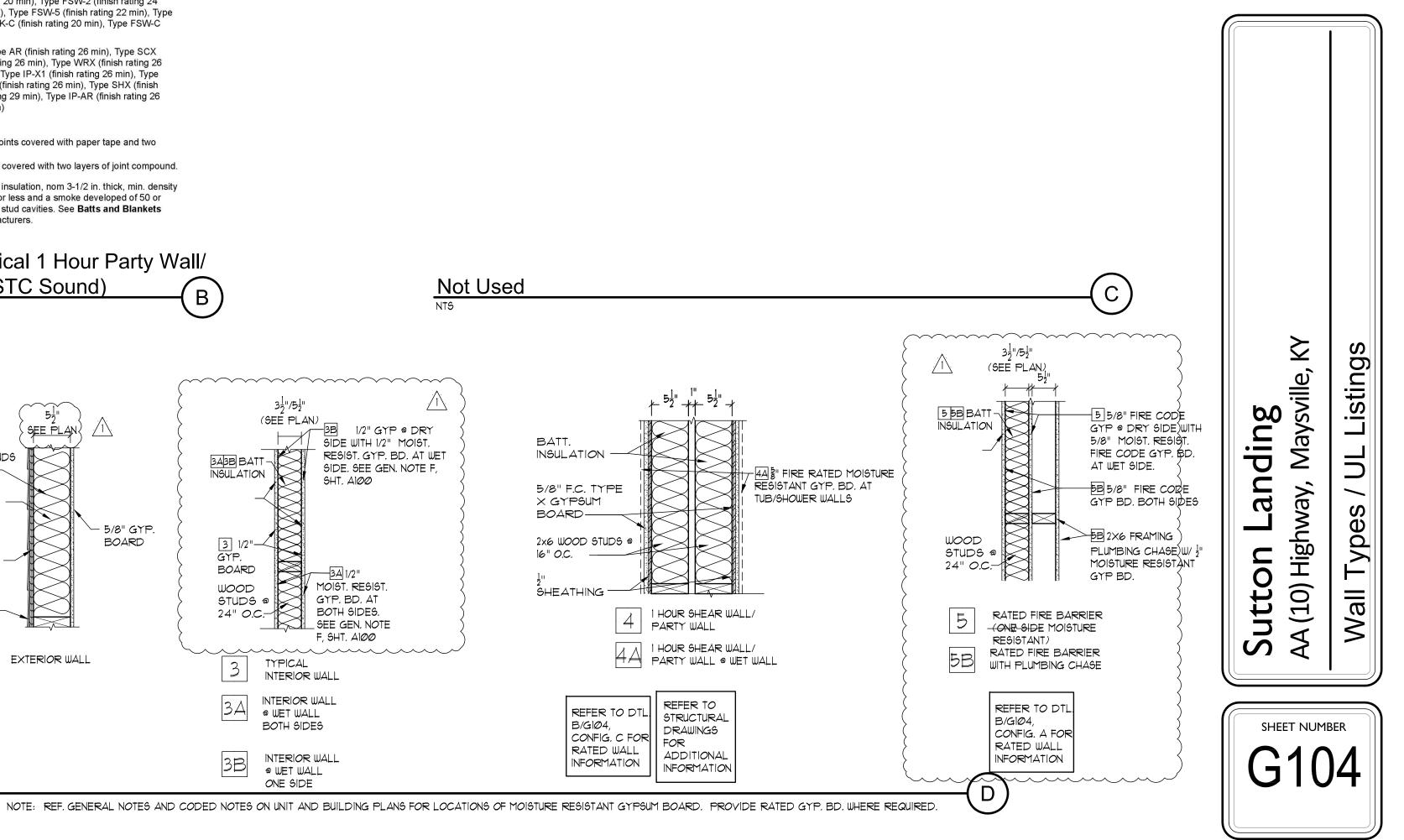


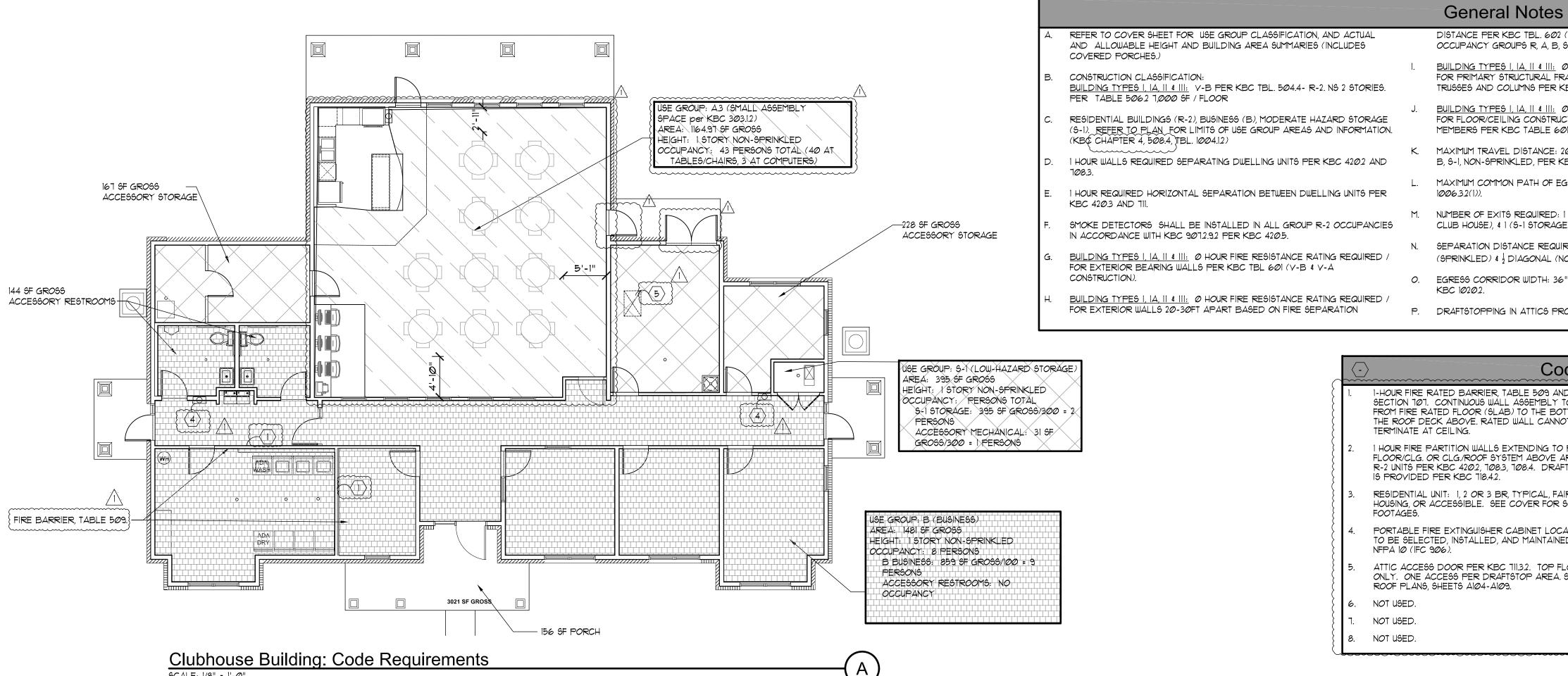


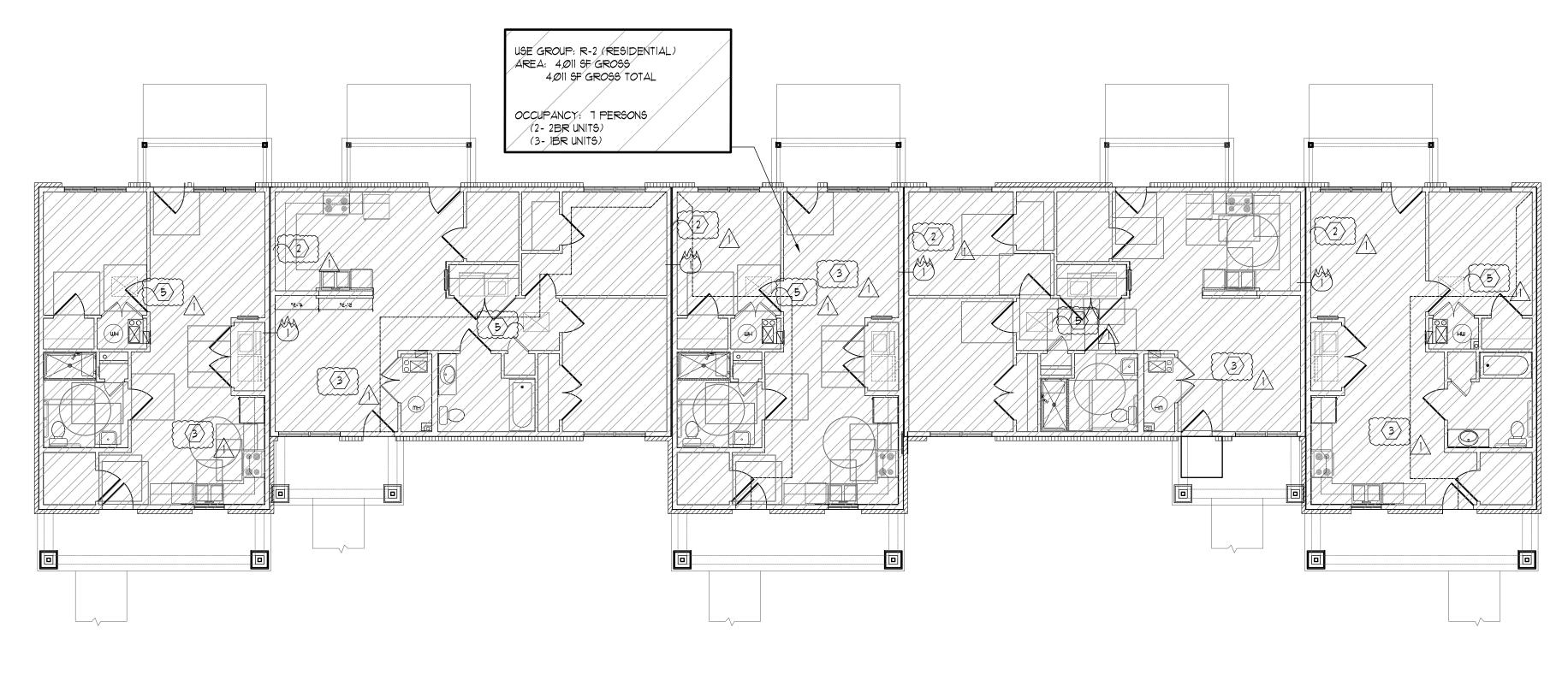
Not Used NTS











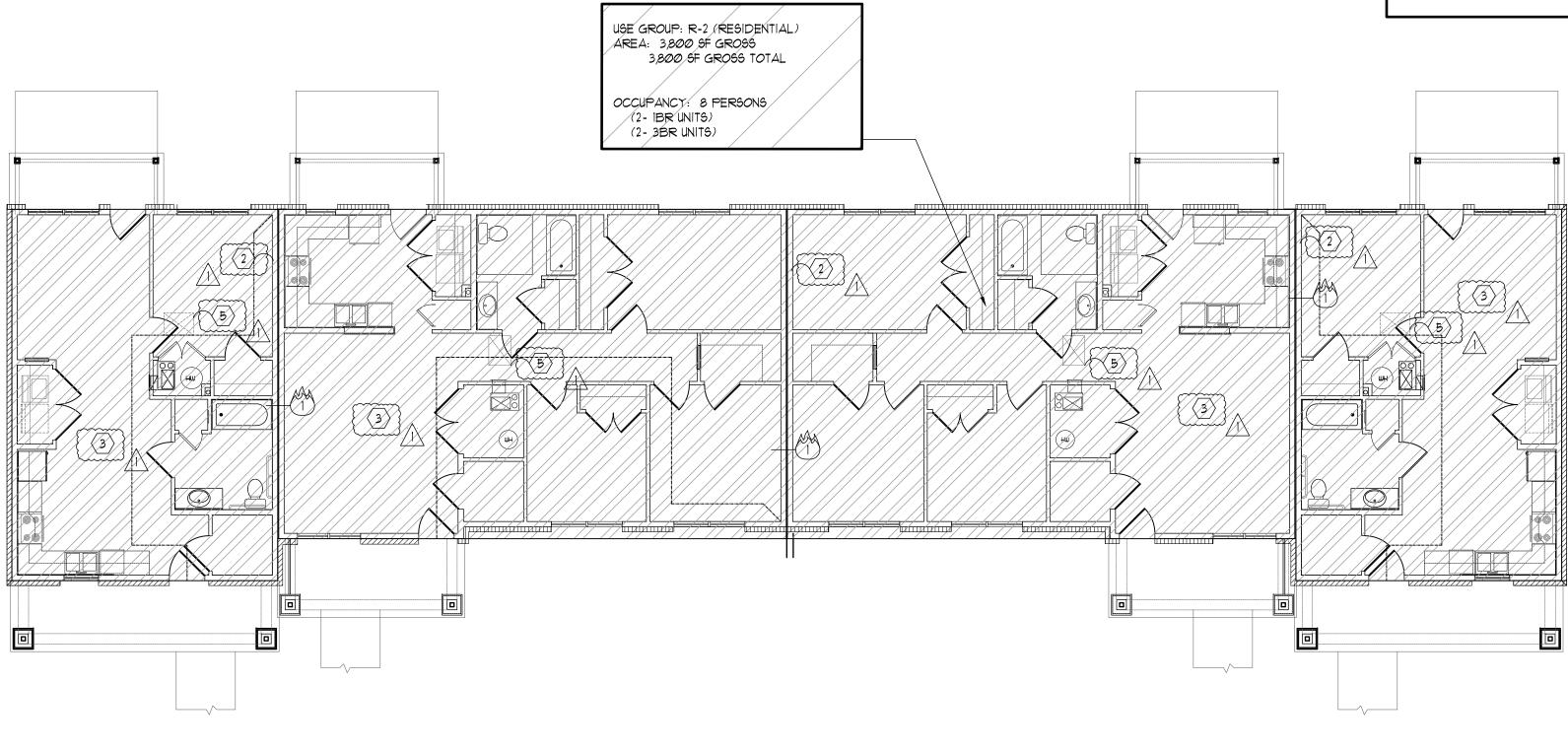
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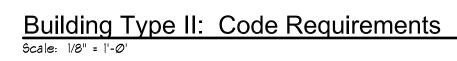
Building Type I: Code Requirements

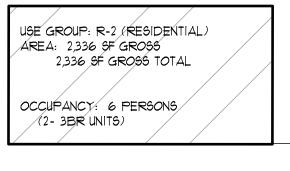
SCALE: 1/8" = 1'-Ø"

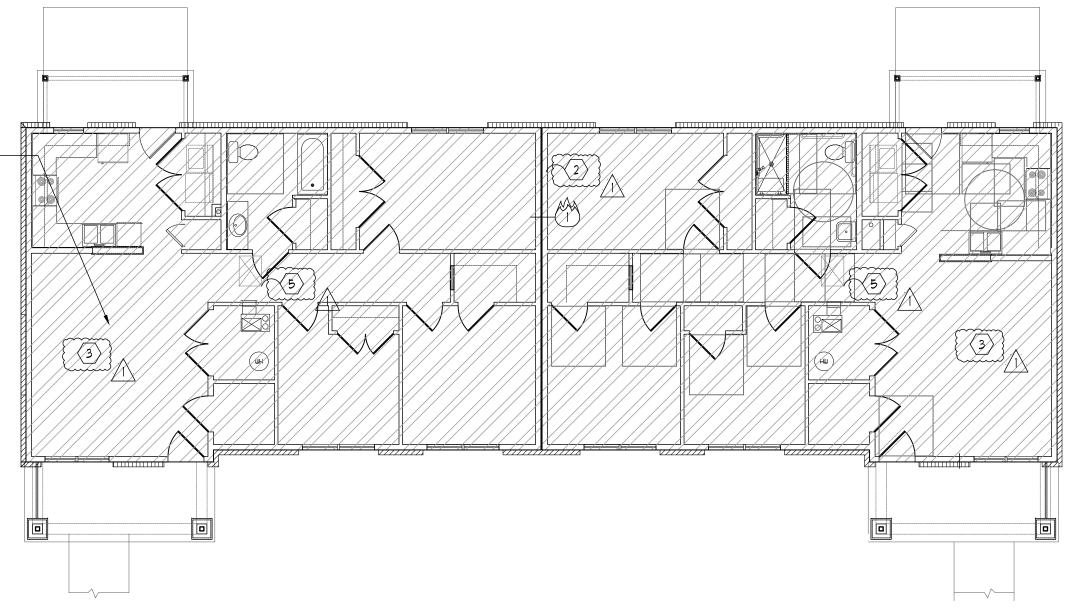
| S  |  |  |
|--|--|--|
| 2 (X=20-30 FT., V-B / V-A CONSTRUCTION,<br>3, 6-1).  | Q. PORTABLE FIRE EXTINGUISHERS SHALL BE SELECTED & INSTALLED PER   | TAYLOR BY  |
| Ø HOUR FIRE REGISTANCE RATING REQUIRED /<br>FRAME AND ANY AGGOCIATED BEAMS, GIRDERG,   | <ul> <li>NEPA 10 (IFC 906).</li> <li>NO PARAPET 16 REQUIRED PER KBC 105.11.</li> </ul>   | THE AND THE AN |
| KALLE AND ANT ASSOCIATED BEALS, GIRDERS,<br>KBC TBL. 601 (V-B / V-A CONSTRUCTION).<br>0 HOUR FIRE RESISTANCE RATING REQUIRED / | R. ATTIC ACCESS DOOR ALLOWED PER KBC 111.3.2.  | COLUMNOW PATT  |
| UCTION AND ASSOCIATED SECONDARY<br>501 (V-B / V-A CONSTRUCTION).   | 5. <u>BUILDING TYPES I, IA, II &amp; III &amp; CLUB HOUSE:</u> INTERIOR BEARING WALLS NO<br>RATING REQ'D, PER CONSTRUCTION TYPE V-B, KBC TABLE 601. REF. | - annum the  |
| 200 FEET (CLUBHOUSE-USE GROUP AREAS A,<br>KBC TBL. 1017.2).  | STRUCT. DWGS. FOR BEARING WALL LOCATIONS. SEE BUILDING PLANS FOR<br>WALL TYPES AND RATINGS.  |  |
| EGRESS TRAVEL: 50 FEET FOR GROUP R-2 (KBC  | T. SEE AIØØ-AIØ2 FOR WALL TYPES.   | REB  |
| : 1 (EACH R-2 RESIDENTIAL BUILDING WING), 2<br>GE ROOM), PER KBC 1016.3.1, TBL. 1016.3.2(2).                                   |  |  |
| UIRED BETWEEN EXITS: 1/3 DIAGONAL<br>(NON-SPRINKLED) PER KBC 1017.1.1  |  | 103 WIND HAVEN DR, STE 101<br>NICHOLASVILLE KY 40356   |
| 66" WITHIN DWELLING UNITS, 44" ELSEWHERE PER   |  | 859.523.1500   |
| PROVIDED PER KBC 118.4   |  |  |
| oded Notes   | Legend   |  |
| AND 9. NOT USED.   | PARTY WALL: 1 HOUR RATED   |  |
| NOT OF   | FIRE PARTITION WALL TO<br>EXTEND TO RATED FLOOR/CLG.<br>OR CLG./ROOF SYSTEM ABOVE  |  |
| O RATED  | FIRE EXTINGUISHER CABINET  |  |
| AFT STOP   | RESIDENTIAL OCCUPANCY  |  |
|  |  |  |
| CATION.<br>NED PER   | STORAGE OCCUPANCY  |  |
| FLOORS   |  |  |
|  |  | REVISION         DATE           1         ADDENDUM NO. 1         8/18/23   |
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|  |  | <b>Sutton Landing</b><br>AA (10) Highway, Maysville, KY<br>Code Requirements   |
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|----------------|
| G105           |









|    |   |    | General Notes  |
|----|---|----|--|
| А. | REFER TO COVER SHEET FOR USE GROUP CLASSIFICATION, AND ACTUAL<br>AND ALLOWABLE HEIGHT AND BUILDING AREA SUMMARIES (INCLUDES<br>COVERED PORCHES.)                                    |    | DISTANCE PER KBC TBL. 602 ()<br>OCCUPANCY GROUPS R, A, B, S-   |
| B. | CONSTRUCTION CLASSIFICATION:<br>BUILDING TYPES I, IA, II & III:<br>PER TABLE 5062 1,000 SF / FLOOR  | I. | <u>BUILDING TYPES I, IA, II &amp; III:</u> Ø<br>FOR PRIMARY STRUCTURAL FRA<br>TRUSSES AND COLUMNS PER KB |
| C. | RESIDENTIAL BUILDINGS (R-2), BUSINESS (B), MODERATE HAZARD STORAGE<br>(S-1). REFER TO PLAN FOR LIMITS OF USE GROUP AREAS AND INFORMATION.<br>(KB¢ CHAPTER 4, 508.4, )TBL. 1004.1.2) | J. | BUILDING TYPES I, IA, II & III: Ø<br>FOR FLOOR/CEILING CONSTRUCT<br>MEMBERS PER KBC TABLE 6ØI            |
| D. | I HOUR WALLS REQUIRED SEPARATING DWELLING UNITS PER KBC 420.2 AND<br>1083.  | K. | MAXIMUM TRAVEL DISTANCE: 20<br>B, S-1, NON-SPRINKLED, PER KB   |
| E. | 1 HOUR REQUIRED HORIZONTAL SEPARATION BETWEEN DWELLING UNITS PER<br>KBC 420.3 AND TIL   | L. | MAXIMUM COMMON PATH OF EGR<br>1006.3.2(1)).  |
| F. | SMOKE DETECTORS SHALL BE INSTALLED IN ALL GROUP R-2 OCCUPANCIES<br>IN ACCORDANCE WITH KBC 3012.3.2 PER KBC 420.5.   | M. | NUMBER OF EXITS REQUIRED: 1 (<br>CLUB HOUSE), \$ 1 (S-1 STORAGE  |
| G. | BUILDING TYPES I, IA, II & III: $\emptyset$ HOUR FIRE RESISTANCE RATING REQUIRED / FOR EXTERIOR BEARING WALLS PER KBC TBL 601 (V-B & V-A  | N. | SEPARATION DISTANCE REQUIRE (SPRINKLED) $\frac{1}{2}$ DIAGONAL (NO                                       |
| Ш  | CONSTRUCTION).<br>BUILDING TYPES I IA II 4 III. $\alpha$ hour fire registance rating required (   | О. | EGRESS CORRIDOR WIDTH: 36"<br>KBC 10202.   |

H. <u>BUILDING TYPES I, IA, II & III:</u> Ø HOUR FIRE RESISTANCE RATING REQUIRED / FOR EXTERIOR WALLS 20-30FT APART BASED ON FIRE SEPARATION

(A)

B

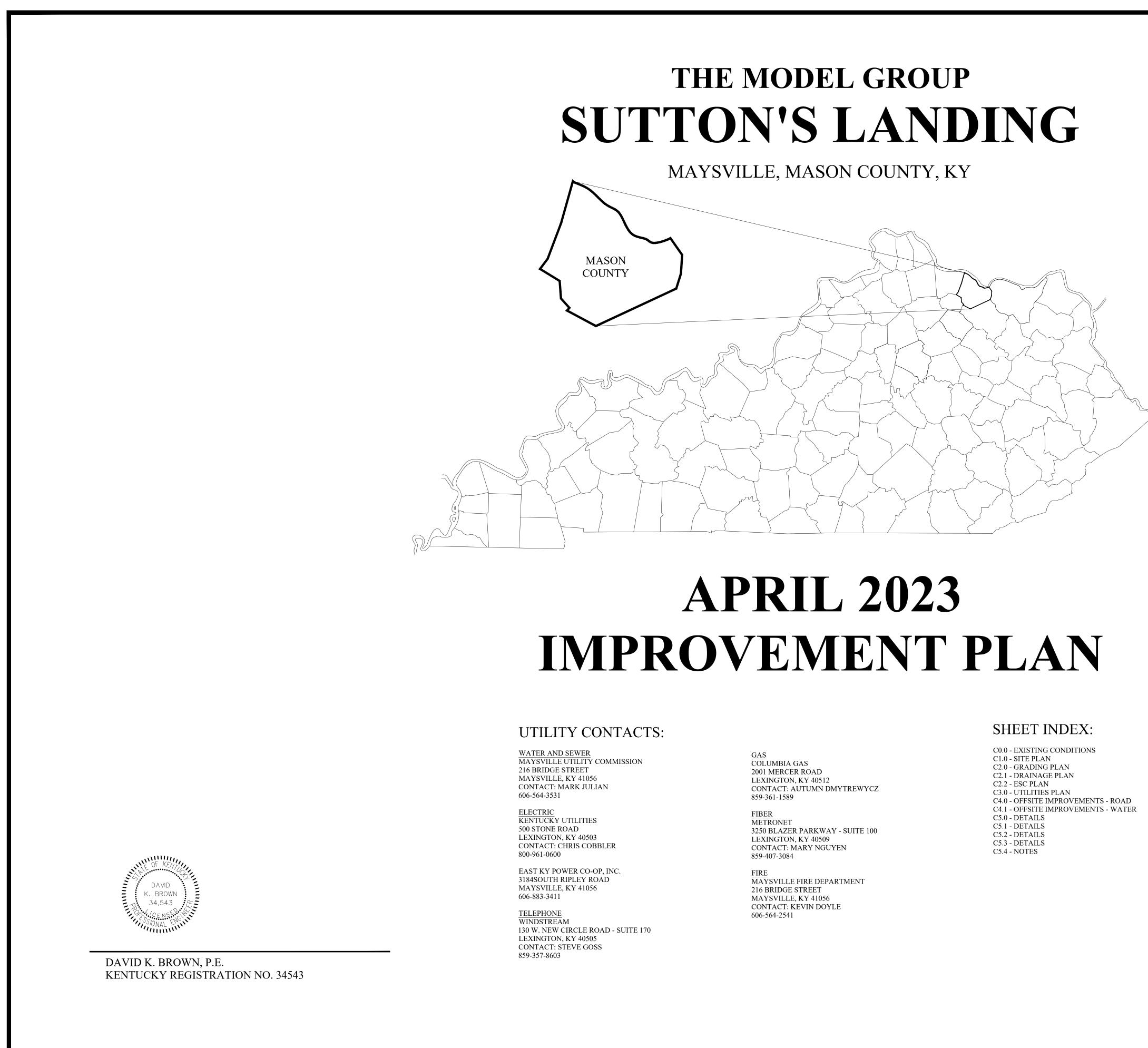
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|---|----|---|------------|-----------|---|---|
| ~ | -  | Coded N   | <br>Legend |           |   |   |
|   | 1. | 1-HOUR FIRE RATED BARRIER, TABLE 509 AND<br>SECTION 101. CONTINUOUS WALL ASSEMBLY TO BE<br>FROM FIRE RATED FLOOR (SLAB) TO THE BOTTOM OF<br>THE ROOF DECK ABOVE. RATED WALL CANNOT<br>TERMINATE AT CEILING. | 9,         | NOT USED. |   | PARTY WALL: I HOUR RATED<br>FIRE PARTITION WALL TO<br>EXTEND TO RATED FLOOR/CLG.<br>OR CLG./ROOF SYSTEM ABOVE |
|   | 2. | I HOUR FIRE PARTITION WALLS EXTENDING TO RATED<br>FLOOR/CLG. OR CLG./ROOF SYSTEM ABOVE AROUND<br>R-2 UNITS PER KBC 4202, 108.3, 108.4. DRAFT STOP<br>IS PROVIDED PER KBC 118.4.2.                           |            |           |   | FIRE EXTINGUISHER CABINET<br>RESIDENTIAL OCCUPANCY  |
|   | З. | RESIDENTIAL UNIT: 1,2 OR 3 BR, TYPICAL, FAIR<br>HOUSING, OR ACCESSIBLE. SEE COVER FOR SQUARE<br>FOOTAGES.   |            |           |   | ASSEMBLY OCCUPANCY  |
|   | 4. | PORTABLE FIRE EXTINGUISHER CABINET LOCATION.<br>TO BE SELECTED, INSTALLED, AND MAINTAINED PER<br>NEPA 10 (IFC 906).   |            | $\wedge$  |   | BUSINESS OCCUPANCY<br>STORAGE OCCUPANCY   |
|   | 5. | ATTIC ACCESS DOOR PER KBC 111.3.2. TOP FLOORS<br>ONLY. ONE ACCESS PER DRAFTSTOP AREA. SEE<br>ROOF PLANS, SHEETS A104-A103.  |            | <u> </u>  |   |   |
| } | 6. | NOT USED.   |            |           |   |   |
| { | ٦. | NOT USED.   |            |           | } |   |
| } | 8. | NOT USED.   |            |           |   |   |

|                      | General Notes   |   |  |
|----------------------|---|---|--|
| L.<br>M.<br>N.<br>O. | DISTANCE PER KBC TBL: 602 (X=20-30 FT, V-B / V-A CONSTRUCTION,<br>OCCUPANCY GROUPS R, A, B, S-1).<br>BUILDING TYPES I, IA, II 4 III: 0 HOUR FIRE RESISTANCE RATING REQUIRED /<br>FOR PRIMARY STRUCTURAL FRAME AND ANY ASSOCIATED BEAMS, GIRDERS,<br>TRUSSES AND COLUMNS PER KBC TBL: 601 (V-B / V-A CONSTRUCTION).<br>BUILDING TYPES I, IA, II 4 III: 0 HOUR FIRE RESISTANCE RATING REQUIRED /<br>FOR FLOOR/CEILING CONSTRUCTION AND ASSOCIATED SECONDARY<br>MEMBERS PER KBC TABLE 601 (V-B / V-A CONSTRUCTION).<br>MAXIMUM TRAVEL DISTANCE: 200 FEET (CLUBHOUSE-USE GROUP AREAS A,<br>B, S-1, NON-SPRINKLED, PER KBC TBL: 10112).<br>MAXIMUM COMMON PATH OF EGRESS TRAVEL: 50 FEET FOR GROUP R-2 (KBC<br>1006 32(1)).<br>NUMBER OF EXITS REQUIRED: 1 (EACH R-2 RESIDENTIAL BUILDING WING), 2<br>CLUB HOUSE), 4 1 (6-1 STORAGE ROOM), PER KBC 1016.31, TBL: 1016.32(2).<br>SEPARATION DISTANCE REQUIRED BETWEEN EXITS: 1/3 DIAGONAL<br>(SPRINKLED) 4 1 DIAGONAL (NON-SPRINKLED) PER KBC 1011.11<br>EGRESS CORRIDOR WIDTH: 36" WITHIN DWELLING UNITS, 44" ELSEWHERE PER<br>KBC 10202.<br>DRAFTSTOPPING IN ATTICS PROVIDED PER KBC 118.4. | PORTABLE FIRE EXTINGUIGHERS SHALL BE SELECTED & INSTALLED PER<br>NEPA 10 (IFC 906).<br>NO PARAPET IS REQUIRED PER KBC 105.11.<br>ATTIC ACCESS DOOR ALLOWED PER KBC 11132.<br>BUILDING TYPES I, IA, II & III & CLUB HOUGE: INTERIOR BEARING WALLS NO<br>RATING REQUD, PER CONSTRUCTION TYPE V-B, KBC TABLE 601. REF.<br>STRUCT. DWGS. FOR BEARING WALL LOCATIONS. SEE BUILDING PLANS FOR<br>WALL TYPES AND RATINGS.<br>SEE AI00-AI02 FOR WALL TYPES. | TAYLOR O<br>TOT<br>TOT<br>TOT<br>TOT<br>TOT<br>TOT<br>TOT<br>T |
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| DRAWN BY: R            | .B, JH  |

| Sutton Landing                 |
|--------------------------------|
| AA (10) Highway, Maysville, KY |
| Code Requirements              |

| SHEET | NUMBER |
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| G1    | 06     |

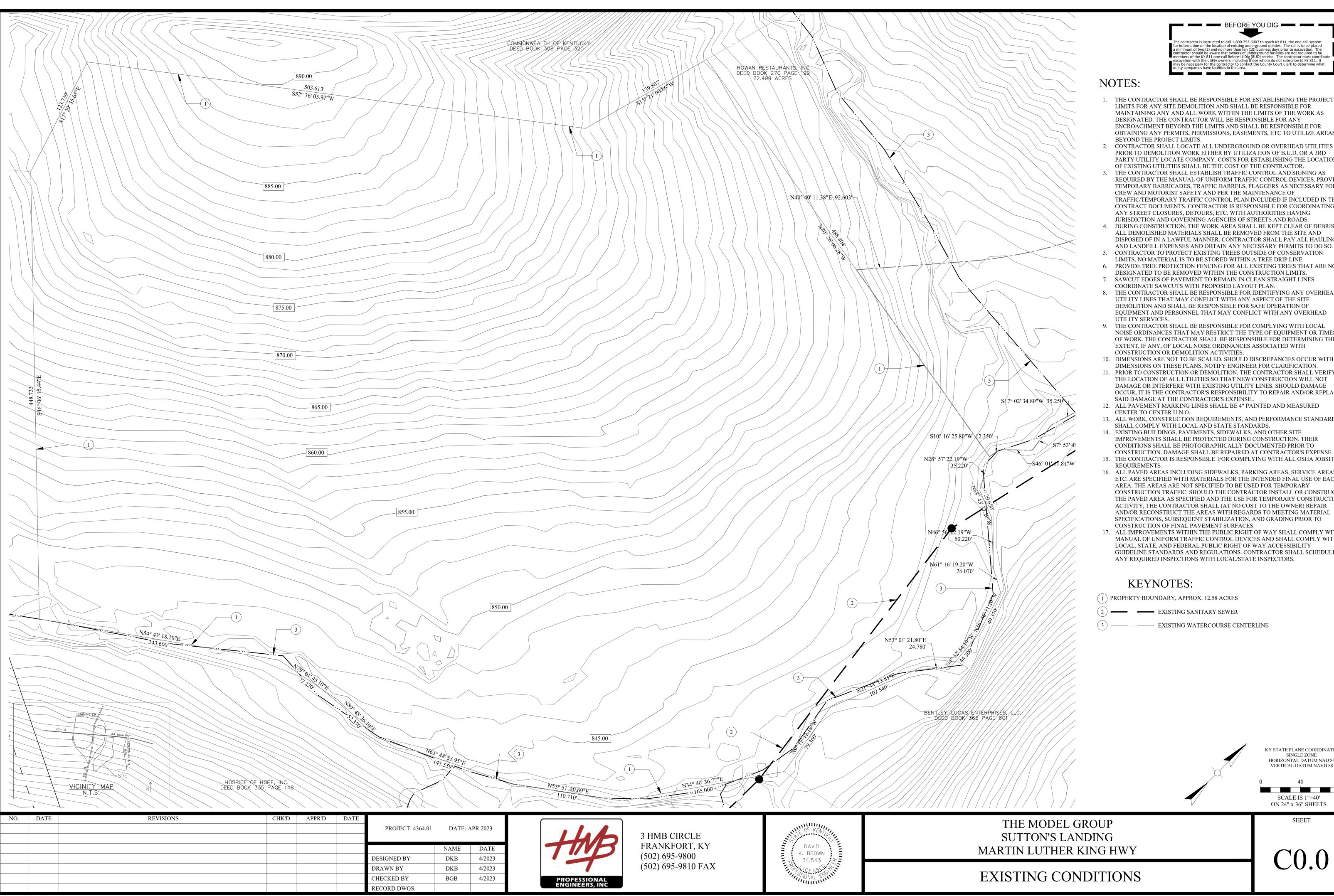


Plans Prepared By:



3 HMB Circle Frankfort, Kentucky

(502)695 - 9800Fax (502)695-9810



SUTTON'S LANDING MARTIN LUTHER KING HWY

**EXISTING CONDITIONS** 

- OF EXISTING UTILITIES SHALL BE THE COST OF THE CONTRACTOR. THE CONTRACTOR SHALL ESTABLISH TRAFFIC CONTROL AND SIGNING AS REQUIRED BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, PROVIDE TEMPORARY BARRICADES, TRAFFIC BARRELS, FLAGGERS AS NECESSARY FOR CREW AND MOTORIST SAFETY AND PER THE MAINTENANCE OF TRAFFIC/TEMPORARY TRAFFIC CONTROL PLAN INCLUDED IF INCLUDED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY STREET CLOSURES, DETOURS, ETC. WITH AUTHORITIES HAVING JURISDICTION AND GOVERNING AGENCIES OF STREETS AND ROADS. DURING CONSTRUCTION, THE WORK AREA SHALL BE KEPT CLEAR OF DEBRIS. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. CONTRACTOR SHALL PAY ALL HAULING AND LANDFILL EXPENSES AND OBTAIN ANY NECESSARY PERMITS TO DO SO. CONTRACTOR TO PROTECT EXISTING TREES OUTSIDE OF CONSERVATION LIMITS. NO MATERIAL IS TO BE STORED WITHIN A TREE DRIP LINE. PROVIDE TREE PROTECTION FENCING FOR ALL EXISTING TREES THAT ARE NOT DESIGNATED TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS. 7. SAWCUT EDGES OF PAVEMENT TO REMAIN IN CLEAN STRAIGHT LINES. COORDINATE SAWCUTS WITH PROPOSED LAYOUT PLAN. 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ANY OVERHEAD UTILITY LINES THAT MAY CONFLICT WITH ANY ASPECT OF THE SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR SAFE OPERATION OF EQUIPMENT AND PERSONNEL THAT MAY CONFLICT WITH ANY OVERHEAD UTILITY SERVICES. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH LOCAL NOISE ORDINANCES THAT MAY RESTRICT THE TYPE OF EQUIPMENT OR TIMES OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXTENT, IF ANY, OF LOCAL NOISE ORDINANCES ASSOCIATED WITH CONSTRUCTION OR DEMOLITION ACTIVITIES. 10. DIMENSIONS ARE NOT TO BE SCALED. SHOULD DISCREPANCIES OCCUR WITH DIMENSIONS ON THESE PLANS, NOTIFY ENGINEER FOR CLARIFICATION. 11. PRIOR TO CONSTRUCTION OR DEMOLITION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES SO THAT NEW CONSTRUCTION WILL NOT DAMAGE OR INTERFERE WITH EXISTING UTILITY LINES. SHOULD DAMAGE OCCUR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE SAID DAMAGE AT THE CONTRACTOR'S EXPENSE.. 12. ALL PAVEMENT MARKING LINES SHALL BE 4" PAINTED AND MEASURED CENTER TO CENTER U.N.O. 13. ALL WORK, CONSTRUCTION REQUIREMENTS, AND PERFORMANCE STANDARDS SHALL COMPLY WITH LOCAL AND STATE STANDARDS. 14. EXISTING BUILDINGS, PAVEMENTS, SIDEWALKS, AND OTHER SITE IMPROVEMENTS SHALL BE PROTECTED DURING CONSTRUCTION. THEIR CONDITIONS SHALL BE PHOTOGRAPHICALLY DOCUMENTED PRIOR TO CONSTRUCTION. DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. 15. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OSHA JOBSITE REQUIREMENTS. 16. ALL PAVED AREAS INCLUDING SIDEWALKS, PARKING AREAS, SERVICE AREAS, ETC. ARE SPECIFIED WITH MATERIALS FOR THE INTENDED FINAL USE OF EACH AREA. THE AREAS ARE NOT SPECIFIED TO BE USED FOR TEMPORARY CONSTRUCTION TRAFFIC. SHOULD THE CONTRACTOR INSTALL OR CONSTRUCT THE PAVED AREA AS SPECIFIED AND THE USE FOR TEMPORARY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL (AT NO COST TO THE OWNER) REPAIR AND/OR RECONSTRUCT THE AREAS WITH REGARDS TO MEETING MATERIAL SPECIFICATIONS, SUBSEQUENT STABILIZATION, AND GRADING PRIOR TO CONSTRUCTION OF FINAL PAVEMENT SURFACES. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT OF WAY SHALL COMPLY WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINE STANDARDS AND REGULATIONS. CONTRACTOR SHALL SCHEDULE ANY REQUIRED INSPECTIONS WITH LOCAL/STATE INSPECTORS. **KEYNOTES**: (1) PROPERTY BOUNDARY, APPROX. 12.58 ACRES EXISTING SANITARY SEWER - EXISTING WATERCOURSE CENTERLINE KY STATE PLANE COORDINATES. SINGLE ZONE HORIZONTAL DATUM NAD 83 VERTICAL DATUM NAVD 88 SCALE IS 1"=40' ON 24" x 36" SHEETS
- ENCROACHMENT BEYOND THE LIMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS, PERMISSIONS, EASEMENTS, ETC TO UTILIZE AREAS BEYOND THE PROJECT LIMITS. 2. CONTRACTOR SHALL LOCATE ALL UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO DEMOLITION WORK EITHER BY UTILIZATION OF B.U.D. OR A 3RD PARTY UTILITY LOCATE COMPANY. COSTS FOR ESTABLISHING THE LOCATION

LIMITS FOR ANY SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR MAINTAINING ANY AND ALL WORK WITHIN THE LIMITS OF THE WORK AS

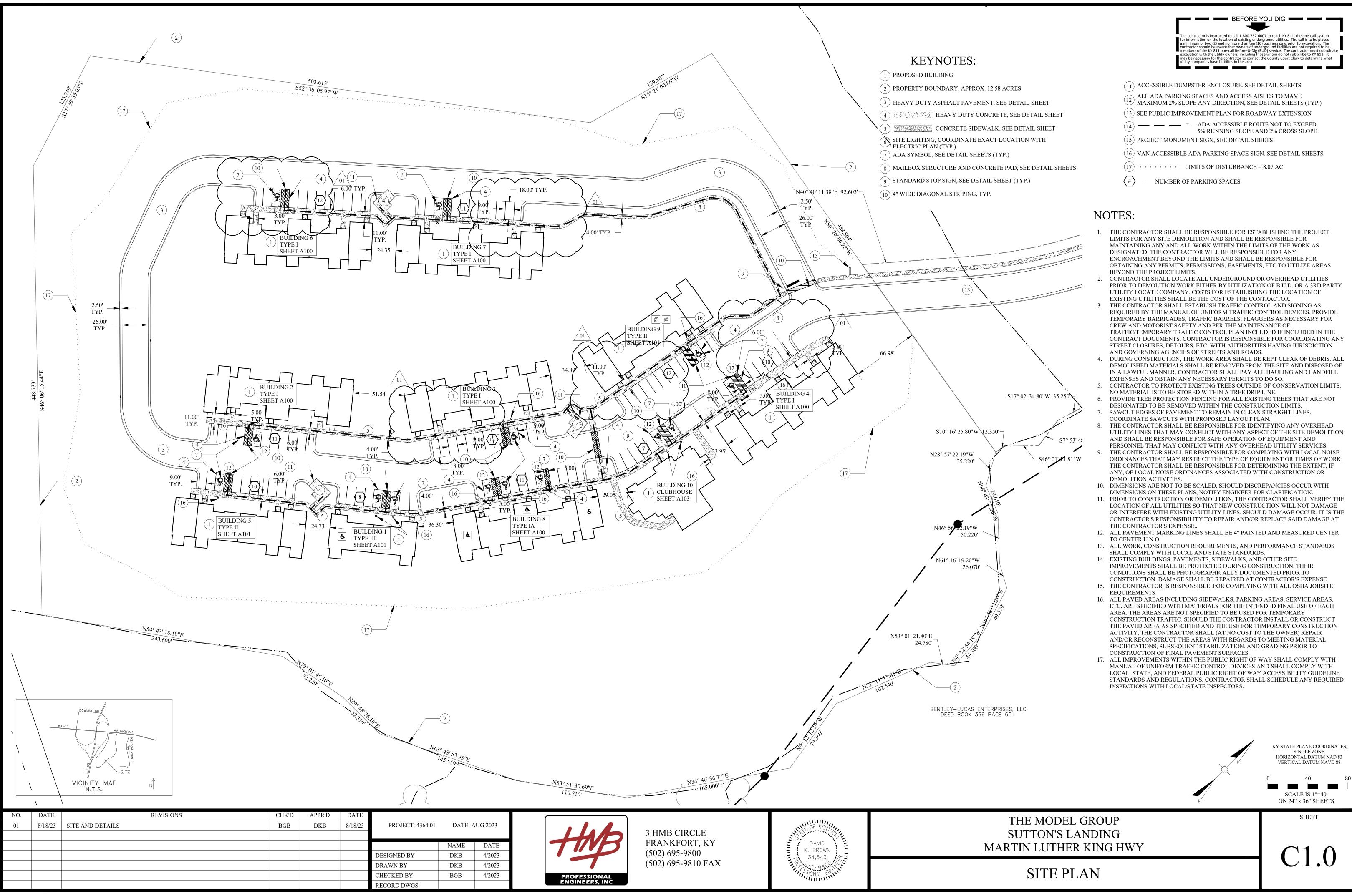
DESIGNATED. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY

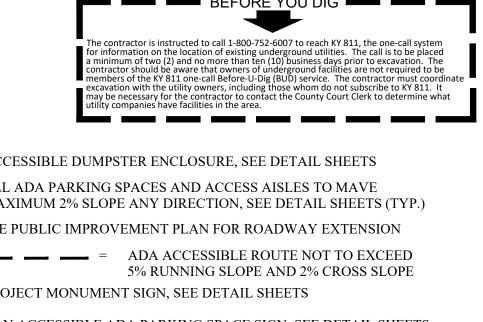
e contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system r information on the location of existing underground utilities. The call is to be placed ninimum of two (2) and no more than ten (10) business days prior to excavation. The tractor should be unace that buyers the underground facilities are not excavation be

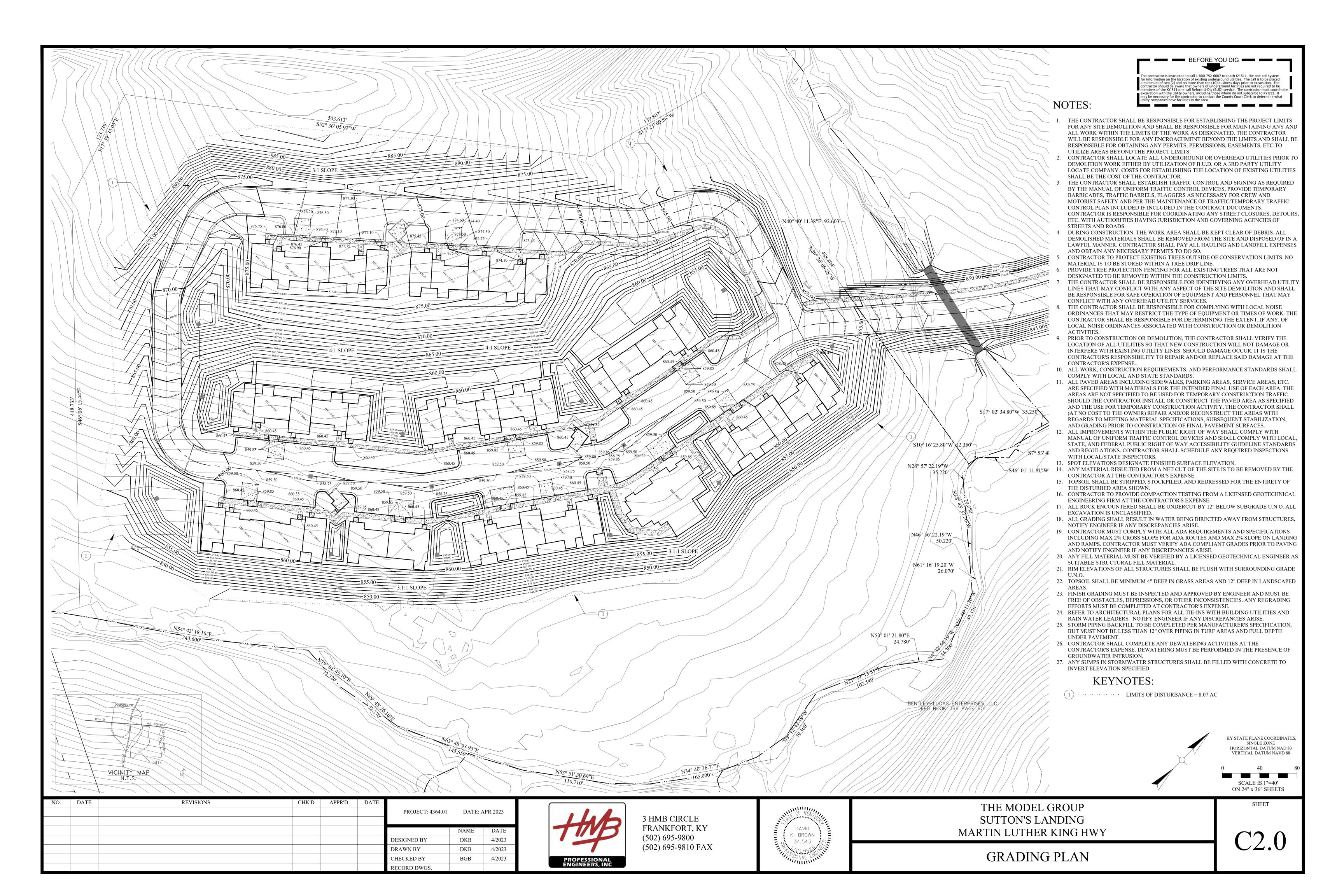
contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordina excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

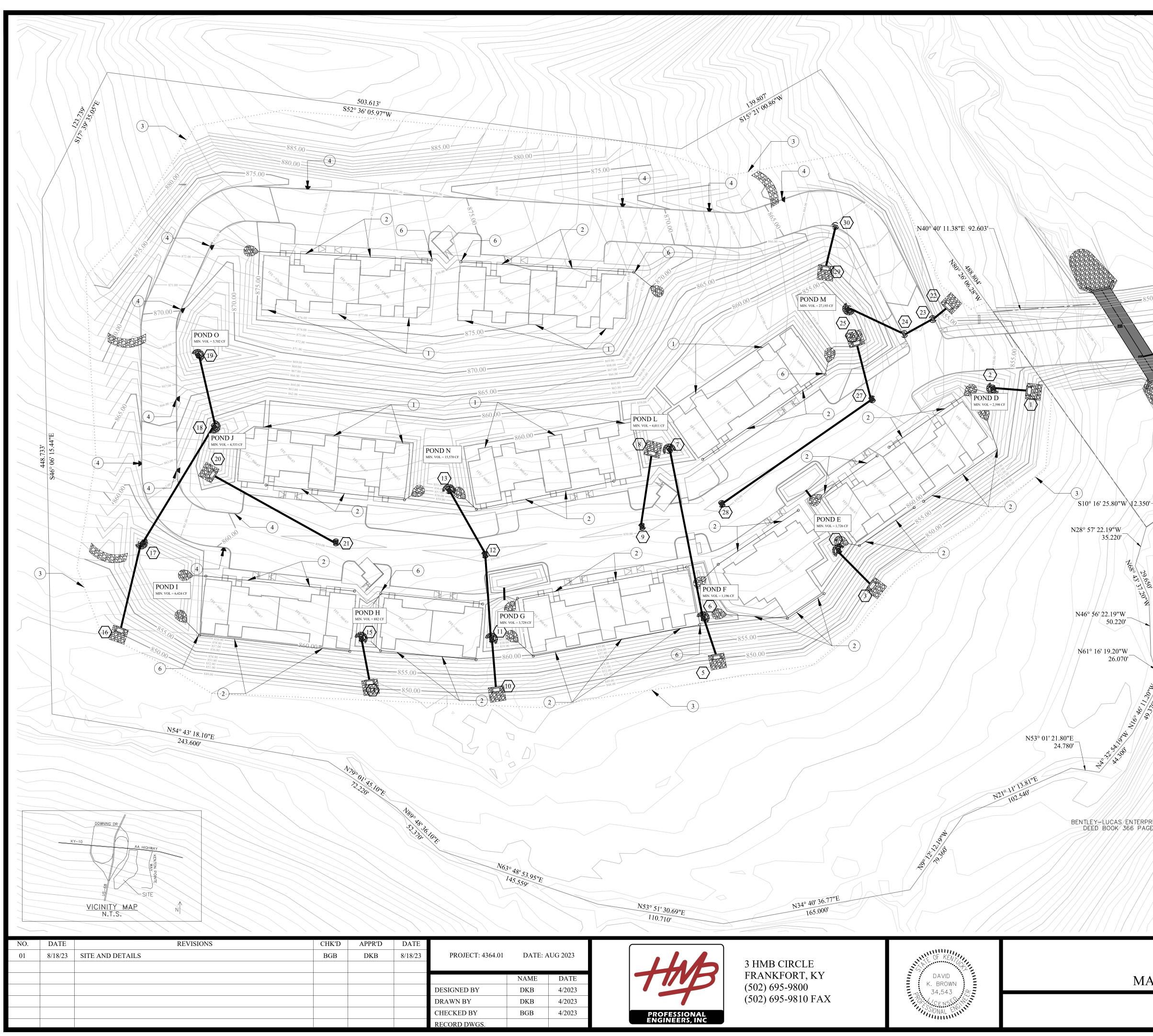
SHEET











#### BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinat excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

#### $\sqrt{}$ Proposed Storm Pipe Table Proposed Storm Structure Table Structures Size Material LF Slope Number Туре Rim Invert 2-1 | 12" | ADS N12 | 42 | 1.00% 852.00 Endwall 2 Overflow Structure 857.67 852.42 4-3 | 12" | ADS N12 | 42 | 1.00% 850.00 2 Endwall \_\_\_\_\_\_6-5 \_\_\_\_15" ADS N12 \_\_\_\_36 \_\_\_10.00% 4 Overflow Structure 859.67 850.42 7-6 | 12" | ADS N12 | 144 | 1.00% | 850.00 5 Endwall \_\_\_\_9-8 \_\_\_\_12" | ADS N12 | 60 | 1.00% [ 6 Overflow Structure 859.67 853.60 7 Overflow Structure 859.67 855.04 11-10 | 15" | ADS N12 | 40 | 8.00% K 12-11 12" ADS N12 70 1.00% 856.00 8 Endwall \_\_\_\_\_13-12 | \_\_\_\_\_12" | ADS N12 | \_\_62 | 1.00% / 9 Grated Area Inlet 858.75 856.60 15-14 | 12" | ADS N12 | 38 |10.00% 10 850.00 Endwall 11 Overflow Structure 859.67 853.20 17-16 | 15" | ADS N12 | 54 | 4.00% | 853.90 12 Grated Area Inlet 858.75 18-17 | 15" | ADS N12 | 116 | 1.00% 13 Overflow Structure 859.67 854.52 19-18 | 12" | ADS N12 | 74 | 15.00% | 852.00 14 Endwall 21-20 | 12" | ADS N12 | 116 | 1.00% | 15 Overflow Structure 859.67 855.80 23-22 | 15" | ADS N12 | 14 | 1.00% K 850.00 16 Endwall 24-23 | 15" | ADS N12 | 28 | 1.00% | 17 Overflow Structure 859.67 852.16 25-24 15" ADS N12 54 1.00% 853.32 18 Overflow Structure 859.67 19 Overflow Structure 869.00 864.42 27-26 | 12" | ADS N12 | 48 | 1.00% | 28-27 | 12" | ADS N12 | 156 | 1.00% | 855.00 20 Endwall 21 Grated Area Inlet 858.75 856.16 30-29 | 12" | ADS N12 | 36 | 1.00% 22 853.00 Endwall 01 Curb Inlet 858.75 853.14 23 24 Curb Inlet 858.75 853.42 25 Overflow Structure 859.67 853.96 854.00 Endwall 26 27 Grated Area Inlet 858.75 854.48 28 Grated Area Inlet 858.75 856.04

### **KEYNOTES:**

Endwall

S46° 01' 11.81"W 30 Curb Inlet 862.80 859.36

29

(1) ROOE DRAIN SPLASH TO GRADE WITH STONE END TREATMENT DETAIL SHEET ROOF DRAIN TO TIE TO MIN. 6" SDR-WITH STONE END TREATMENT, SEE DETAIL SHE

KY STATE PLANE COORDINATES, SINGLE ZONE

HORIZONTAL DATUM NAD 83 VERTICAL DATUM NAVD 88

SCALE IS 1"=40' ON 24" x 36" SHEETS

SHEET

C2.1

2' CURB ČUT FOR DRAINAGE WITH RIP RAP SPLASH BLOCK, SEE DET. <sup>/</sup> SHEET, TAPER CURB FROM 6" TO FLUSH OVER 1' 5) 6" SDR-35 SLEEVE TO CONNECT BOTH SIDES OF POND THROUGH SIDEWALK (6) ROOF DRAIN CLEANOUT (TYP.), SEE DETAIL SHEI

859.00

BENTLEY-LUCAS ENTERPRISES, LLC. DEED BOOK 366 PAGE 601

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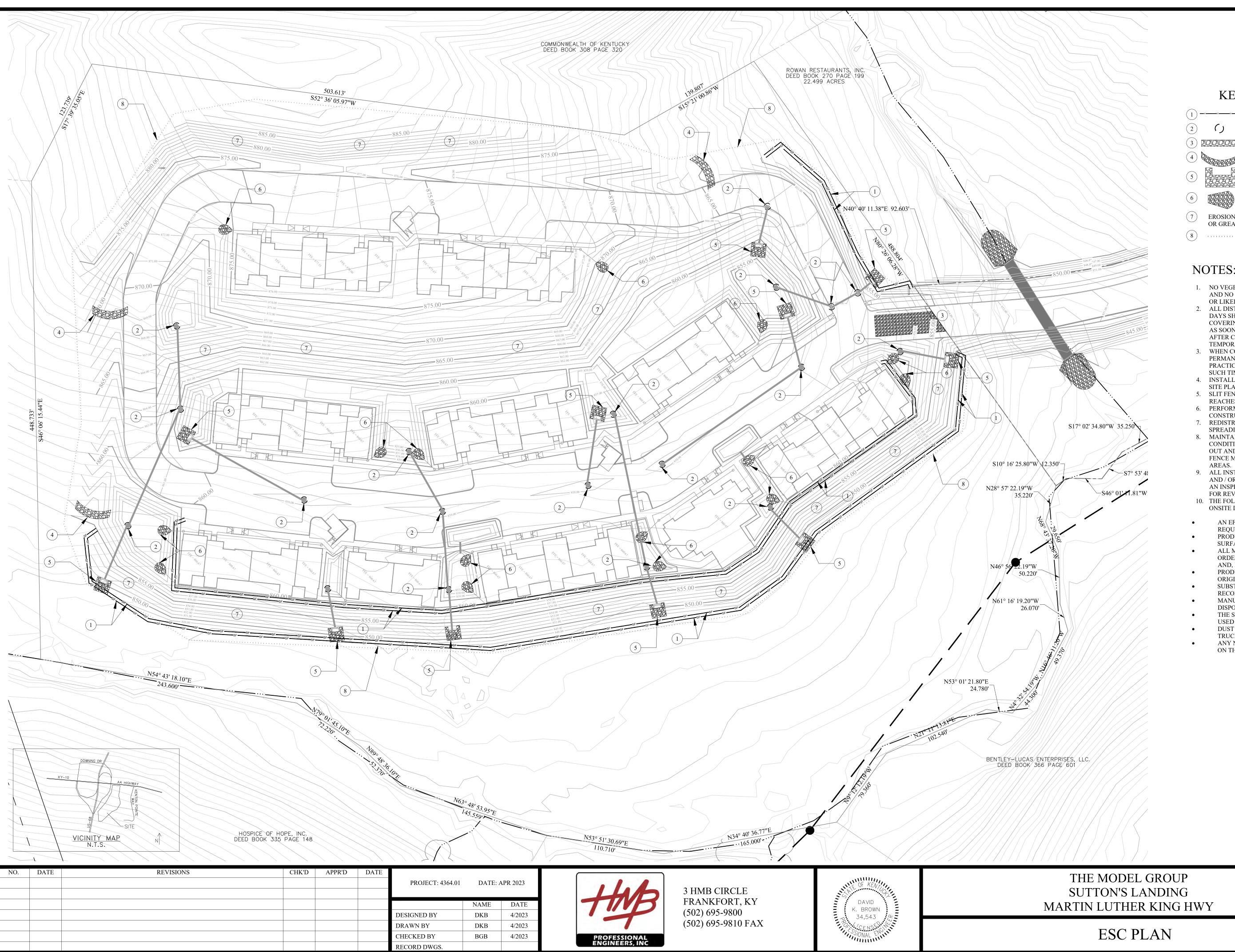
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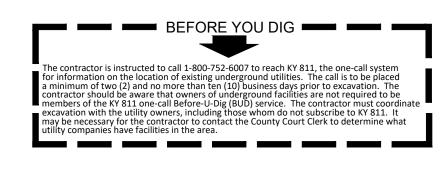
S17° 02' 34.80"W 35.250'-

—S7° 53' 4

THE MODEL GROUP SUTTON'S LANDING MARTIN LUTHER KING HWY

DRAINAGE PLAN





### **KEYNOTES**:

- INDICATES INLET PROTECTION, SEE DETAIL SHEET ()
- (3) CONSTRUCTION ENTRANCE, SEE DETAIL SHEET
- (4) ROCK CHECK DAM, SEE DETAIL SHEET
- RIP RAP OUTLET PROTECTION, SEE DETAIL SHEET
- STONE END TREATMENT, SEE DETAIL SHEET
- EROSION CONTROL MATTING REQUIRED ON ALL SLOPES 4:1 OR GREATER, SEE DETAIL SHEET
- LIMITS OF DISTURBANCE = 8.07 AC

### NOTES:

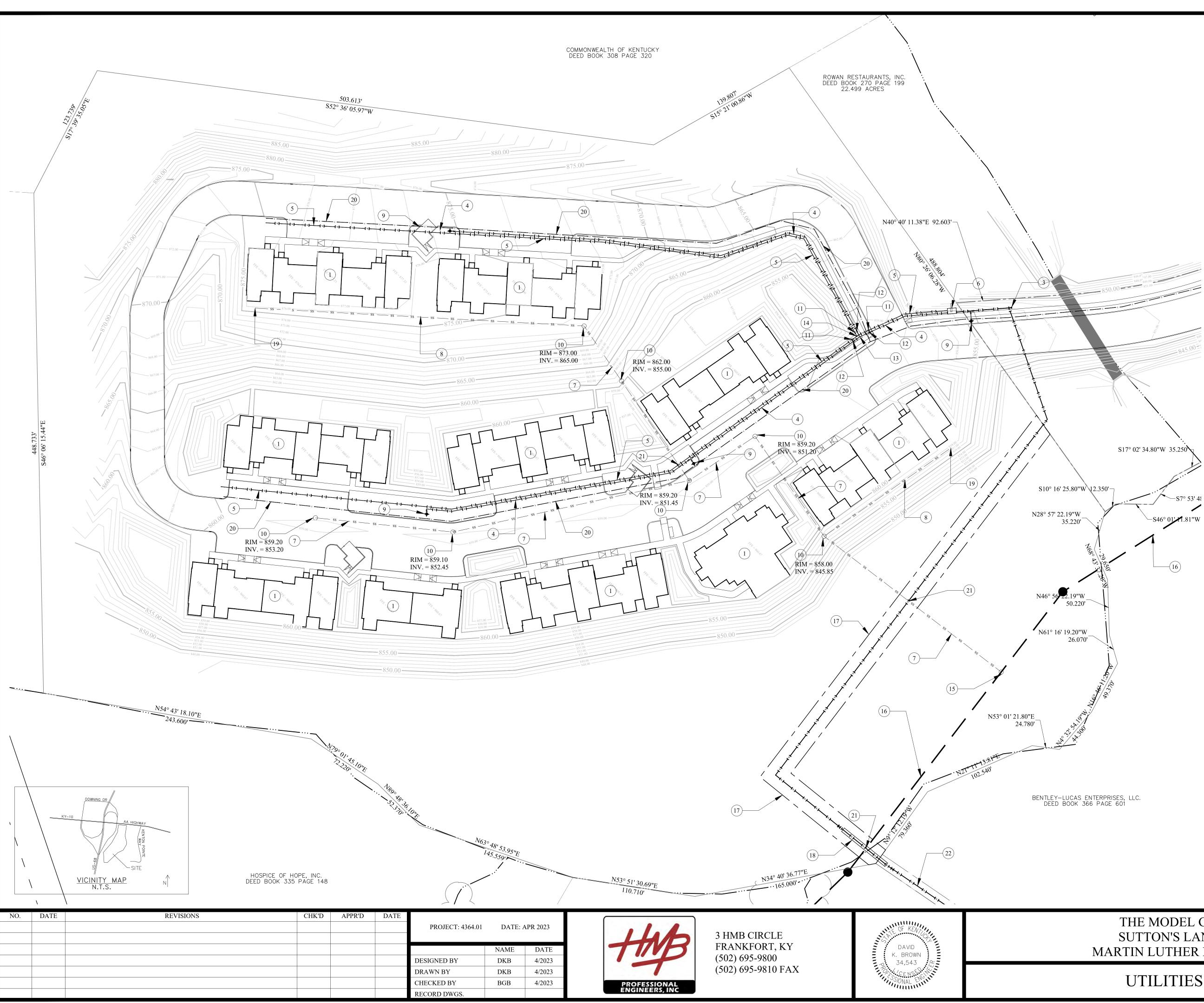
- 1. NO VEGETATION OR CONSTRUCTION DEBRIS SHALL BE BURIED ON SITE AND NO BURNING PITS SHALL BE PLACED IN FUTURE RIGHT - OF - WAY OR LIKELY BUILDING LOCATIONS OR SANITARY SEWER EASEMENTS.
- 2. ALL DISTURBED AREAS THAT REMAIN INACTIVE FOR MORE THAN 21 DAYS SHALL BE STABILIZES BY SEEDING, SODDING MULCHING, COVERING, OR BY OTHER EQUIVALENT EROSION CONTROL MEASURES AS SOON AS PRACTICABLE, BUT IN NO CASES MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS
- TEMPORARILY OR PERMANENTLY CEASED. 3. WHEN CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY, OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED, UNTIL
- SUCH TIME AS CONDITIONS PERMIT. 4. INSTALL SLIT FENCES FOR CURB INLET PROTECTION AS INDICATED ON SITE PLAN PRIOR TO ANY OTHER DISTURBANCES.
- 5. SLIT FENCE SHALL BE CLEANED/REPAIRED WHEN SLIT BUILDUP
- REACHES 1/3 SLIT FENCE HEIGHT. 6. PERFORM ROUGH GRADING OPERATION AS INDICATED ON
- CONSTRUCTION DRAWINGS.
- 7. REDISTRIBUTE TOPSOIL AND SOW GRASS SEED IMMEDIATELY AFTER SPREADING TOPSOIL. 8. MAINTAIN ALL EROSION CONTROL DEVICES IN FULLY FUNCTIONAL
- CONDITION UNTIL 90% OF THE CONTRIBUTING WATERSHED IS BUILT OUT AND/OR VEGETATIVE IS ACHIEVED. AT SUCH TIME THAT ALL SLIT FENCE MUST BE REMOVED, PROPERLY REGRADE AND SEED THESE AREAS.
- 9. ALL INSTALLED BMP MEASURES MUST BE INSPECTED EVERY 7 DAYS AND / OR WITHIN 24 HOURS OF A RAINFALL EVENT GREATER THAN 0.5". AN INSPECTION LOG SHALL BE KEPT ON SITE AND MADE AVAILABLE FOR REVIEW.
- 10. THE FOLLOW GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT:
- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT
- REQUIRED TO DO THE JOB PRODUCTS AND MATERIALS WILL BE STORED AWAY FROM THE
- SURFACE DRAINAGE SYSTEM. ALL MATERIALS STORED ONSITE WILL BE SORTED IN A NEAT, ORDERLY MANNER IN THEIR IN THEIR APPROPRIATE CONTAINER AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH TH ORIGINAL MANUFACTURE'S LABEL.
- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS
- RECOMMENDED BY THE MANUFACTURER.
- MANUFACTURES RECOMMENDATIONS FOR PROPER USE AND
- DISPOSAL WILL BE FOLLOWED.
- THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USED AND DISPOSAL OF MATERIALS ONSITE. DUST WILL BE CONTROLLED BY WATER SPRAYED FROM A TANKER
- TRUCK AS NEEDED DURING DRY WEATHER.
- ANY NEEDED DEWATERING SHALL BE FILTERED PRIOR TO RELEASE ON THE SURFACE.

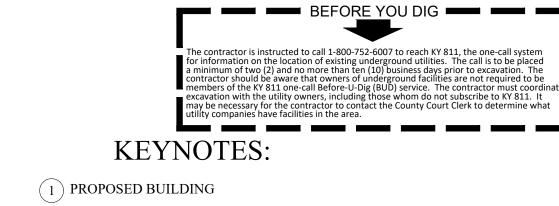
KY STATE PLANE COORDINATES, SINGLE ZONE HORIZONTAL DATUM NAD 83 VERTICAL DATUM NAVD 88

SCALE IS 1"=40' ON 24" x 36" SHEETS

SHEET







- (2) PROPERTY BOUNDARY, APPROX. x ACRES
- (3) 8" VALVE AND DEAD CAP FOR RESIDUAL PARCEL'S USE
- (4) 6" FIRE PROTECTION LINE
- (5) 2" DOMESTIC WATER LINE
- (6) DUAL SERVICE VAULT, SEE DETAIL SHEETS
- (7) 8" SANITARY SEWER LINE
- (8) 6" SANITARY SEWER LATERAL
- (9) PROPOSED FIRE HYDRANT ASSEMBLY, SEE DETAIL SHEETS
- (10) 4' DIAMETER SEWER MANHOLE, SEE DETAIL SHEETS
- (11) 2" GATE VALVE
- (12) 6" GATE VALVE
- (13) 6" x 6" x 6" TEE
- (14) 2" x 2" x 2" TEE
- CONNECT PROPOSED 8" SANITARY SEWER TO EXISTING 8" SANITARY
- SEWER WITH DOGHOUSE MANHOLE, SEE DETAIL SHEETS (16) EXISTING 8" SANITARY SEWER
- (17) PROPOSED 20' PUBLIC WATER LINE EASEMENT
- (18) APPROX 50 LF ENCASED CREEK CROSSING, SEE DETAIL SHEET
- (19) PROPOSED SANITARY SEWER CLEANOUT, SEE DETAIL SHEET
- (20) PROPOSED UNDERGROUND ELECTRIC SERVICE,
- COORDINATE WITH MEP PLANS
- (21) WATER/SEWER SEPARATION MUST BE MIN. 18" VERTICAL
- (22) PUBLIC WATER LINE EXTENSION, SEE SHEET C4.1

### UTILITY CONTACTS:

WATER AND SEWER MAYSVILLE UTILITY COMMISSION 216 BRIDGE STREET MAYSVILLE, KY 41056 CONTACT: MARK JULIAN 606-564-3531

ELECTRIC KENTUCKY UTILITIES 500 STONE ROAD LEXINGTON, KY 40503 CONTACT: CHRIS COBBLER 800-961-0600

EAST KY POWER CO-OP, INC. 3184SOUTH RIPLEY ROAD MAYSVILLE, KY 41056 606-883-3411

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<u>GAS</u> COLUMBIA GAS 2001 MERCER ROAD LEXINGTON, KY 40512 CONTACT: AUTUMN DMYTREWYCZ 859-361-1589

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FIRE MAYSVILLE FIRE DEPARTMENT 216 BRIDGE STREET MAYSVILLE, KY 41056 CONTACT: KEVIN DOYLE 606-564-2541

KY STATE PLANE COORDINATES, SINGLE ZONE HORIZONTAL DATUM NAD 83

VERTICAL DATUM NAVD 88

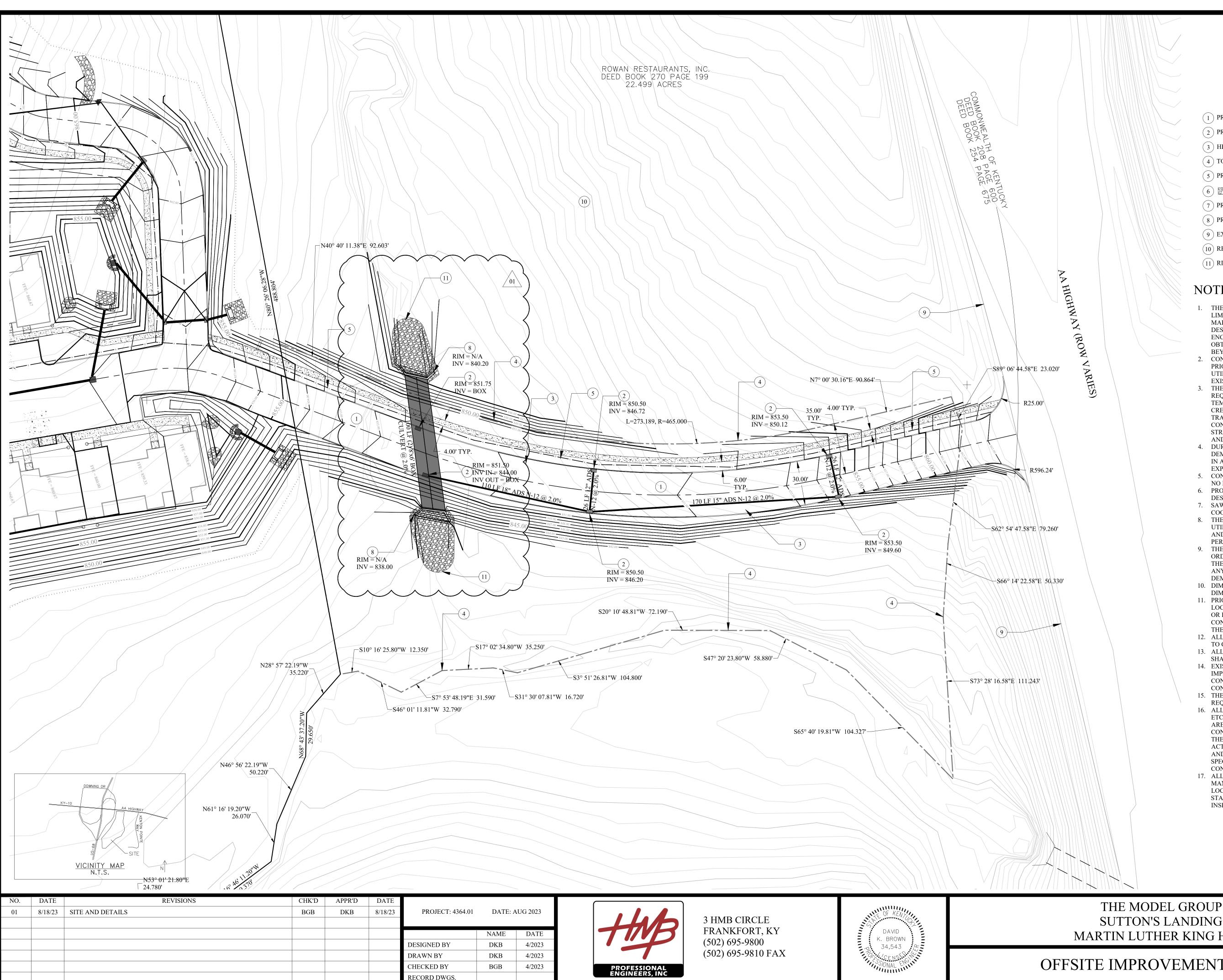
SCALE IS 1"=40' ON 24" x 36" SHEETS

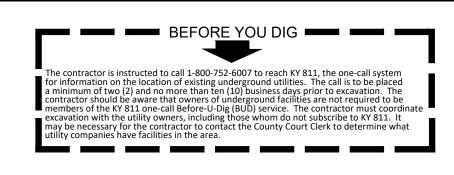
SHEET

C3.0



UTILITIES PLAN





### **KEYNOTES**:

- (1) PROPOSED PUBLIC ROADWAY (26' PAVEMENT WIDTH MAX. 10% SLOPE)
- (2) PROPOSED CURB INLET, SEE DETAIL SHEET
- (3) HEAVY DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET
- (4) TO BE DEDICATED PUBLIC ROW (WIDTH VARIES)
- (5) PROPOSED UNDERGROUND ELECTRIC, SEE ELECTRICAL PLANS
- (6) CONCRETE SIDEWALK, SEE DETAIL SHEET
- (7) PROPOSED 10' x 4' BOX CULVERT, SEE DETAIL SHEET
- (8) PROPOSED HEADWALL/ENDWALL, SEE DETAIL SHEET
- (9) EXISTING PAVEMENT EDGE
- (10) RESIDUAL PROPERTY, SEE PROPERTY PLAT
- (11) RIP RAP INLET/OUTLET PROTECTION, SEE DETAIL SHEET

### NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE PROJECT LIMITS FOR ANY SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR MAINTAINING ANY AND ALL WORK WITHIN THE LIMITS OF THE WORK AS DESIGNATED. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ENCROACHMENT BEYOND THE LIMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS, PERMISSIONS, EASEMENTS, ETC TO UTILIZE AREAS BEYOND THE PROJECT LIMITS.
- 2. CONTRACTOR SHALL LOCATE ALL UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO DEMOLITION WORK EITHER BY UTILIZATION OF B.U.D. OR A 3RD PARTY UTILITY LOCATE COMPANY. COSTS FOR ESTABLISHING THE LOCATION OF EXISTING UTILITIES SHALL BE THE COST OF THE CONTRACTOR.
- 3. THE CONTRACTOR SHALL ESTABLISH TRAFFIC CONTROL AND SIGNING AS REQUIRED BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, PROVIDE TEMPORARY BARRICADES, TRAFFIC BARRELS, FLAGGERS AS NECESSARY FOR CREW AND MOTORIST SAFETY AND PER THE MAINTENANCE OF TRAFFIC/TEMPORARY TRAFFIC CONTROL PLAN INCLUDED IF INCLUDED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY STREET CLOSURES, DETOURS, ETC. WITH AUTHORITIES HAVING JURISDICTION AND GOVERNING AGENCIES OF STREETS AND ROADS.
- 4. DURING CONSTRUCTION, THE WORK AREA SHALL BE KEPT CLEAR OF DEBRIS. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. CONTRACTOR SHALL PAY ALL HAULING AND LANDFILL EXPENSES AND OBTAIN ANY NECESSARY PERMITS TO DO SO.
- 5. CONTRACTOR TO PROTECT EXISTING TREES OUTSIDE OF CONSERVATION LIMITS. NO MATERIAL IS TO BE STORED WITHIN A TREE DRIP LINE. 6. PROVIDE TREE PROTECTION FENCING FOR ALL EXISTING TREES THAT ARE NOT
- DESIGNATED TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS. SAWCUT EDGES OF PAVEMENT TO REMAIN IN CLEAN STRAIGHT LINES.
- COORDINATE SAWCUTS WITH PROPOSED LAYOUT PLAN. 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ANY OVERHEAD UTILITY LINES THAT MAY CONFLICT WITH ANY ASPECT OF THE SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR SAFE OPERATION OF EQUIPMENT AND
- PERSONNEL THAT MAY CONFLICT WITH ANY OVERHEAD UTILITY SERVICES. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH LOCAL NOISE ORDINANCES THAT MAY RESTRICT THE TYPE OF EQUIPMENT OR TIMES OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXTENT, IF ANY, OF LOCAL NOISE ORDINANCES ASSOCIATED WITH CONSTRUCTION OR
- DEMOLITION ACTIVITIES. 10. DIMENSIONS ARE NOT TO BE SCALED. SHOULD DISCREPANCIES OCCUR WITH DIMENSIONS ON THESE PLANS, NOTIFY ENGINEER FOR CLARIFICATION.
- 11. PRIOR TO CONSTRUCTION OR DEMOLITION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES SO THAT NEW CONSTRUCTION WILL NOT DAMAGE OR INTERFERE WITH EXISTING UTILITY LINES. SHOULD DAMAGE OCCUR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE SAID DAMAGE AT THE CONTRACTOR'S EXPENSE.
- 12. ALL PAVEMENT MARKING LINES SHALL BE 4" PAINTED AND MEASURED CENTER TO CENTER U.N.O.
- 13. ALL WORK, CONSTRUCTION REQUIREMENTS, AND PERFORMANCE STANDARDS SHALL COMPLY WITH LOCAL AND STATE STANDARDS. 14. EXISTING BUILDINGS, PAVEMENTS, SIDEWALKS, AND OTHER SITE
- IMPROVEMENTS SHALL BE PROTECTED DURING CONSTRUCTION. THEIR CONDITIONS SHALL BE PHOTOGRAPHICALLY DOCUMENTED PRIOR TO
- CONSTRUCTION. DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. 15. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OSHA JOBSITE REQUIREMENTS
- 16. ALL PAVED AREAS INCLUDING SIDEWALKS, PARKING AREAS, SERVICE AREAS, ETC. ARE SPECIFIED WITH MATERIALS FOR THE INTENDED FINAL USE OF EACH AREA. THE AREAS ARE NOT SPECIFIED TO BE USED FOR TEMPORARY CONSTRUCTION TRAFFIC. SHOULD THE CONTRACTOR INSTALL OR CONSTRUCT THE PAVED AREA AS SPECIFIED AND THE USE FOR TEMPORARY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL (AT NO COST TO THE OWNER) REPAIR AND/OR RECONSTRUCT THE AREAS WITH REGARDS TO MEETING MATERIAL SPECIFICATIONS, SUBSEQUENT STABILIZATION, AND GRADING PRIOR TO CONSTRUCTION OF FINAL PAVEMENT SURFACES.
- 17. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT OF WAY SHALL COMPLY WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINE STANDARDS AND REGULATIONS. CONTRACTOR SHALL SCHEDULE ANY REQUIRED INSPECTIONS WITH LOCAL/STATE INSPECTORS.

KY STATE PLANE COORDINATES. SINGLE ZONE HORIZONTAL DATUM NAD 83 VERTICAL DATUM NAVD 88

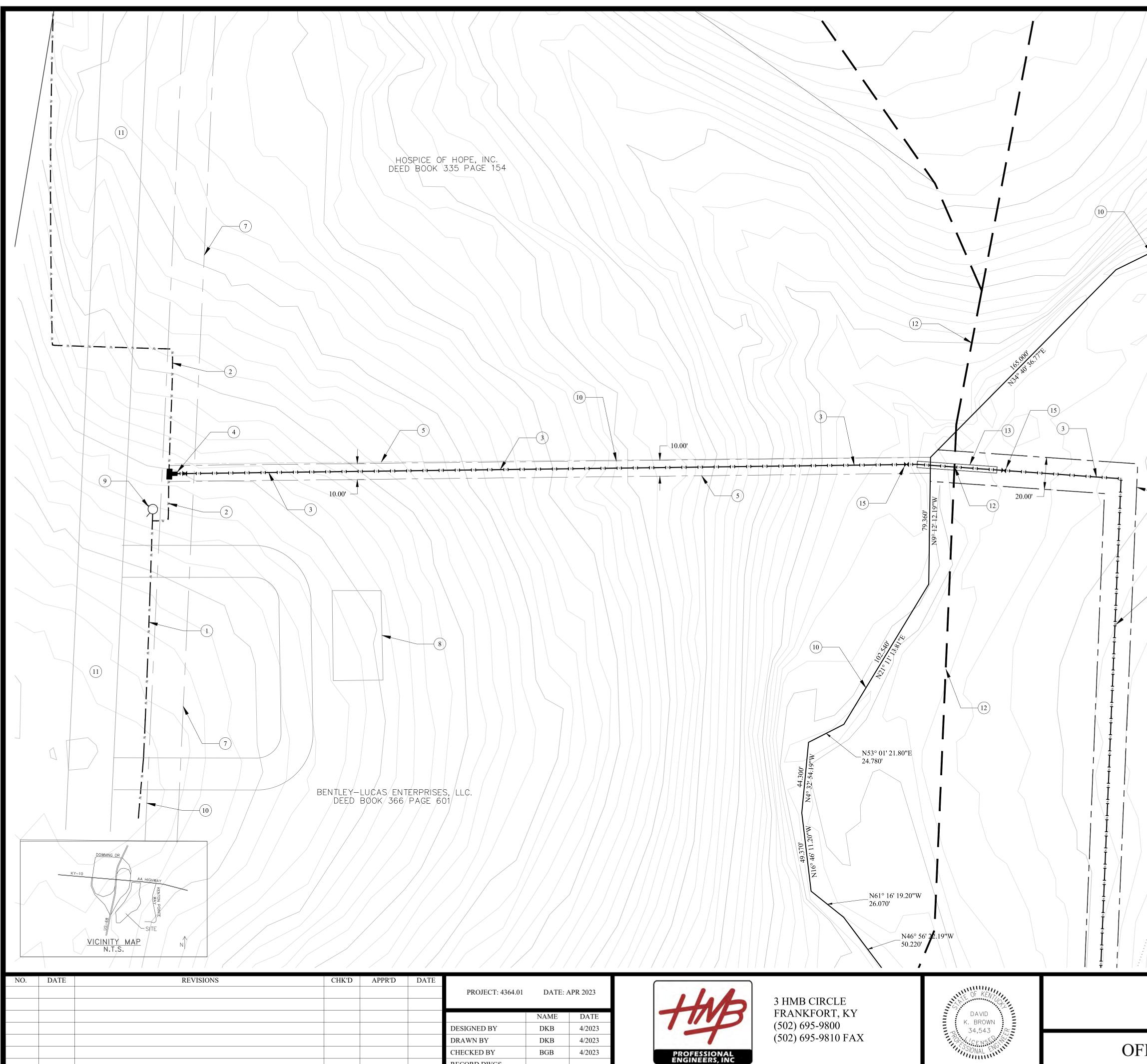
SCALE IS 1"=30' ON 24" x 36" SHEETS

SHEET

C4.0

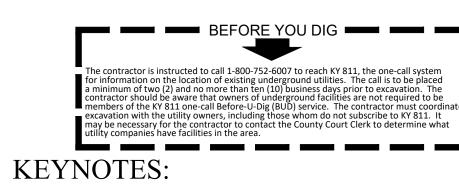
SUTTON'S LANDING MARTIN LUTHER KING HWY

OFFSITE IMPROVEMENTS - ROAD



RECORD DWGS





### (1) EXISTING 8" WATER LINE

- (2) EXISTING 12" WATER LINE
- (3) PROPOSED 8" SDR-21 CLASS 200 PVC WATER LINE
- (4) 12" x 8" TAPPING SLEEVE AND VALVE, SEE DETAIL SHEET
- (5) EXISTING 10' UTILITY EASEMENT
- (6) PROPOSED 20' PUBLIC WATER LINE EASEMENT, SEE SHEET C3.0
- (7) EXISTING EAST KY POWER COOP EASEMENT
- (8) EXISTING STRUCTURE
- (9) EXISTING FIRE HYDRANT ASSEMBLY
- (10) EXISTING PROPERTY LINE
- (11) EXISTING PUBLIC ROADWAY
- (12) EXISTING SANITARY SEWER LINE, WATER/SEWER SEPARATION MUST BE MIN. 18" VERTICAL
- APPROX. 50 LF CREEK CROSSING WITH 16" STEEL ENCASEMENT, SEE DETAIL SHEET
- 8" PUBLIC WATER LINE CONTINUES ON "SUTTON'S LANDING" PROPERTY, SEE SHEET C3.0 FOR CONTINUATION
- (15) PROPOSED 8" GATE VALVE

### UTILITY CONTACTS:

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ELECTRIC

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<u>FIBER</u> METRONET 3250 BLAZER PARKWAY - SUITE 100 LEXINGTON, KY 40509 CONTACT: MARY NGUYEN 859-407-3084

FIRE <u>FIRE</u> MAYSVILLE FIRE DEPARTMENT 216 BRIDGE STREET MAYSVILLE, KY 41056 CONTACT: KEVIN DOYLE 606-564-2541



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SCALE IS 1"=30' ON 24" x 36" SHEETS

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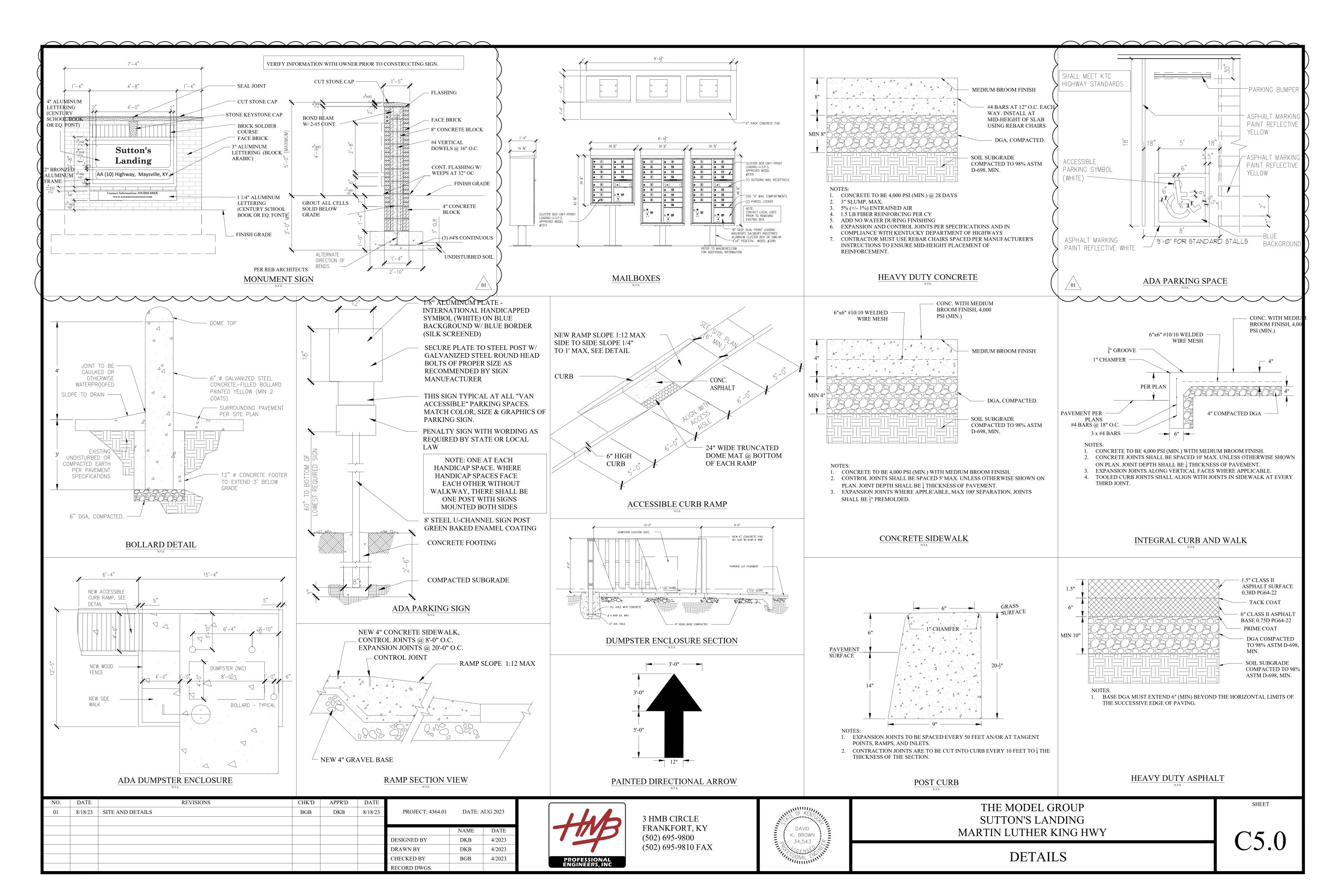
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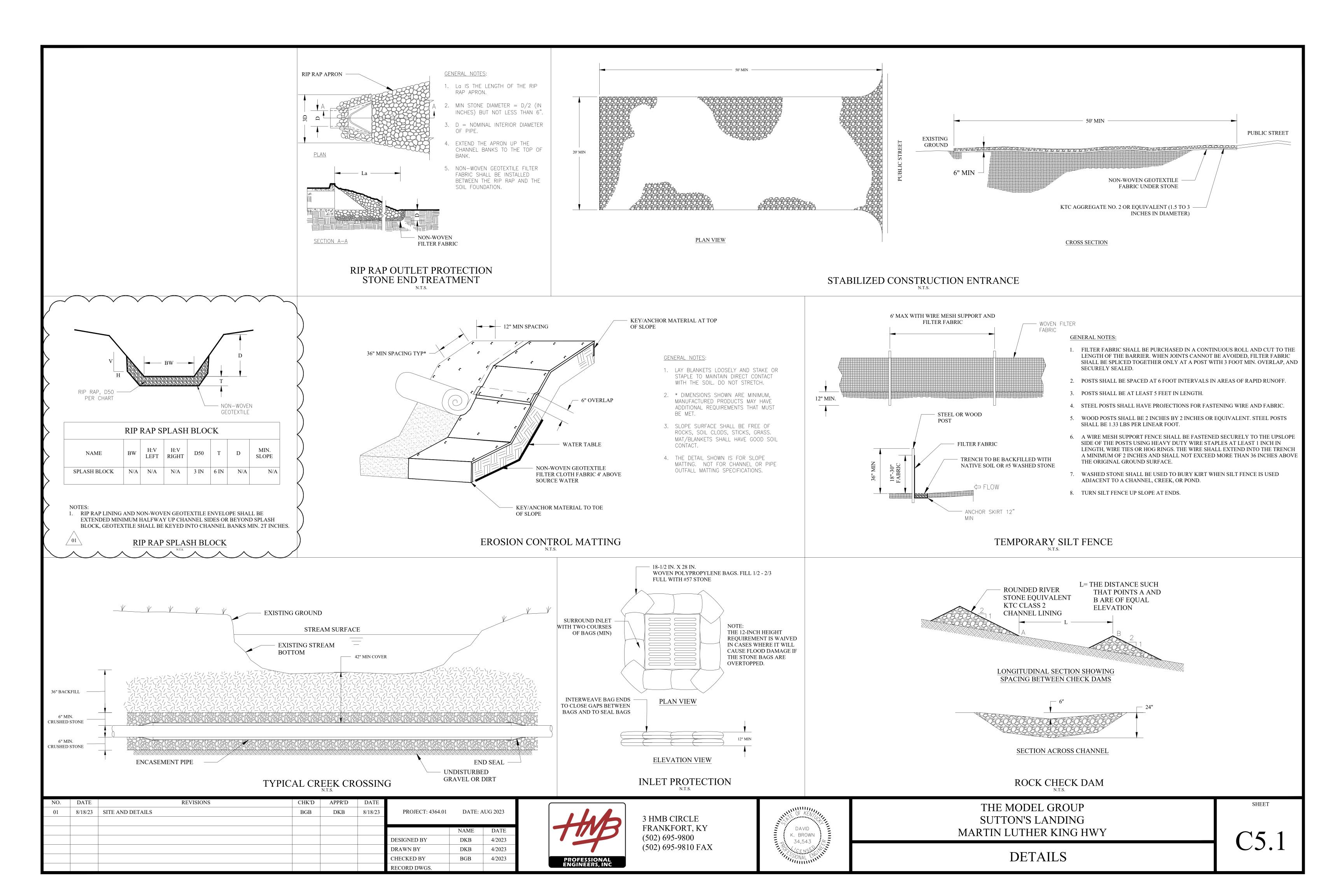
### OFFSITE IMPROVEMENTS - WATER

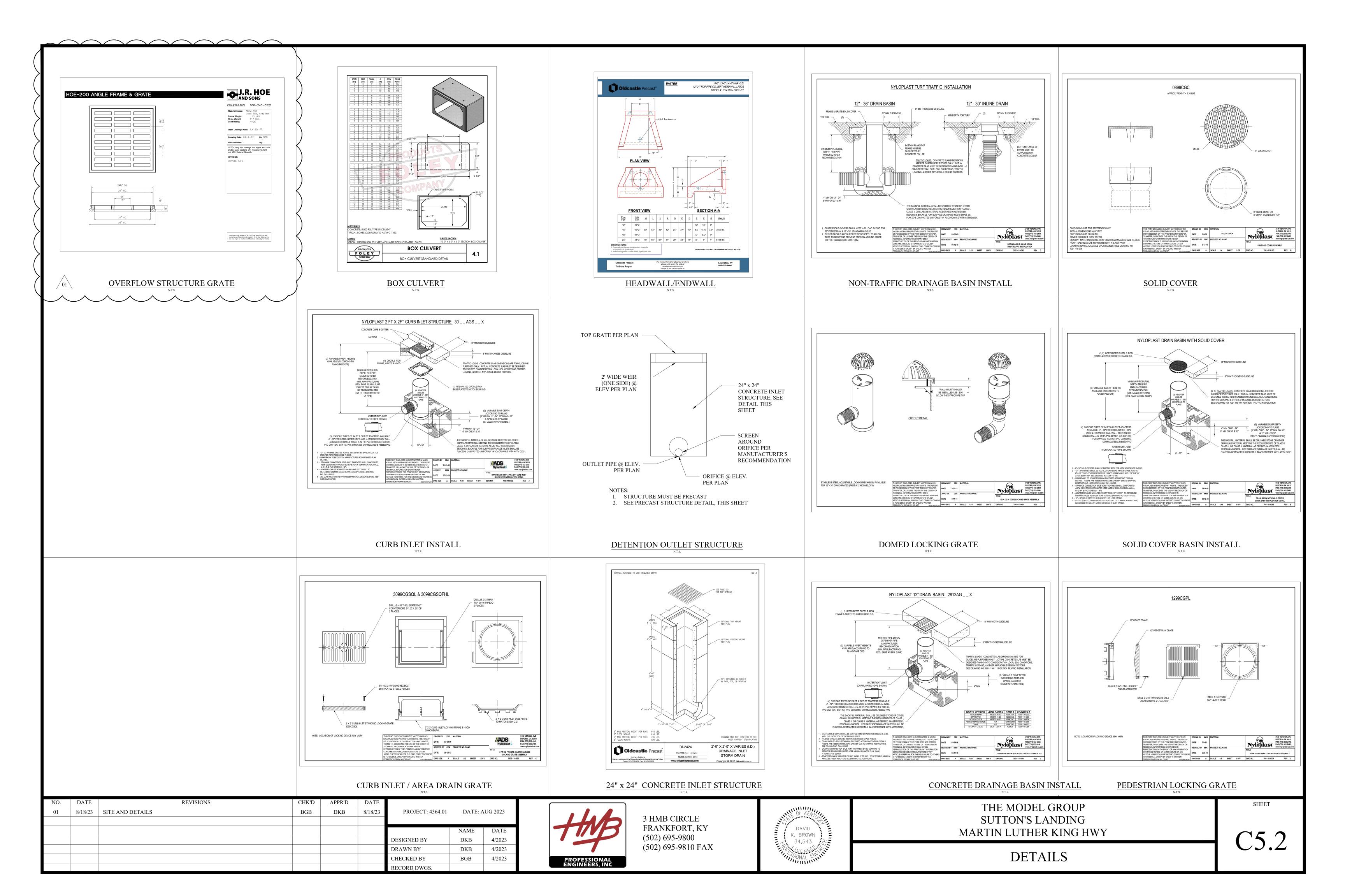
THE MODEL GROUP

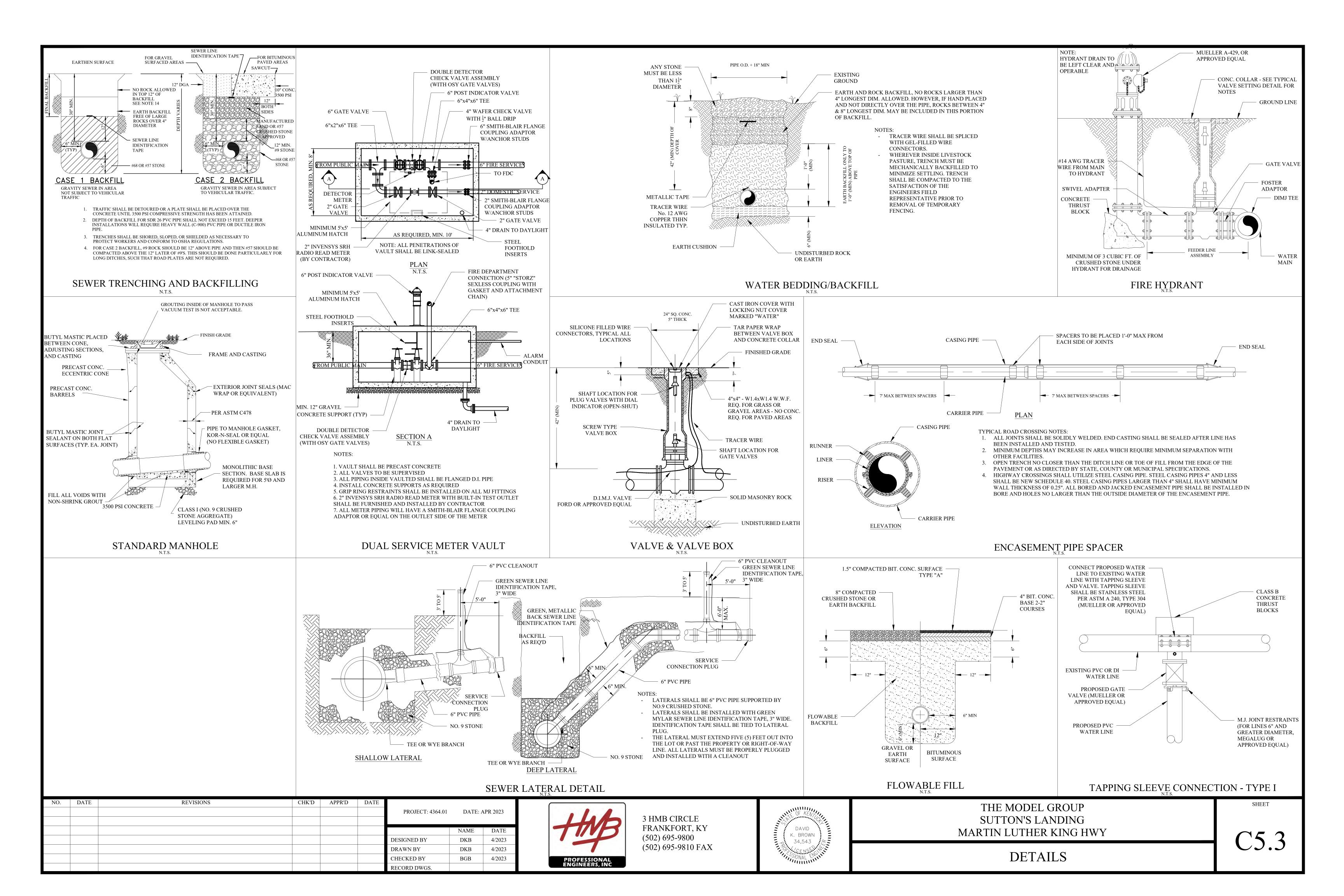
SUTTON'S LANDING

MARTIN LUTHER KING HWY









#### ACCESSIBILITY NOTES:

#### GENERAL NOTES:

- 1. SPECIAL ATTENTION SHALL BE GIVEN TO COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN (ADAAG), UFAS, ANSI A117.1-2003, KENTUCKY BUILDING CODE (KBC) AND APPLICABLE LOCAL LAWS AND REGULATIONS, LATEST EDITIONS.
- 2. IT IS ESSENTIAL THAT CONTRACTORS ARE AWARE OF THE SITE ACCESSIBILITY REQUIREMENTS. REB ARCHITECTS HAS DEVELOPED THESE NOTES AND DETAILS TO ASSURE THAT CONTRACTORS ARE AWARE OF THE REQUIREMENTS AT THE POINT IN TIME WHEN THEY ARE BIDDING THE PROJECT. IN ADDITION, REB ARCHITECTS HAS MADE A POINT IN THESE NOTES AND DETAILS, AS WELL AS IN OUR DRAWINGS, TO PROVIDE SLOPES / GRADES AND DIMENSIONS THAT COMPLY WITH THE ADAAG, OBC AND APPLICABLE LOCAL LAWS AND REGULATIONS, LATEST EDITIONS. IF THESE SLOPES / GRADES AND DIMENSIONS ARE NOT ACHIEVABLE, THE CONTRACTOR IS REQUIRED TO CONTACT THE OWNER IMMEDIATELY AND BEFORE MOVING FORWARD WITH THE WORK.
- 3. THE CONTRACTOR SHALL NOTIFY REB ARCHITECTS IMMEDIATELY OF ANY CONFLICT BETWEEN THESE NOTES AND DETAILS AND OTHER PROJECT DRAWINGS, WHETHER BY REB ARCHITECTS OR OTHERS. THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK FOR WHICH THE ALLEGED CONFLICT HAS BEEN DISCOVERED UNTIL SUCH ALLEGED CONFLICT HAS BEEN RESOLVED. NO CLAIM SHALL BE MADE BY THE CONTRACTOR FOR DELAY DAMAGES AS A RESULT OF RESOLUTION OF ANY SUCH CONFLICT(S).
- 4. THESE ACCESSIBILITY NOTES AND DETAILS ARE INTENDED TO DEPICT SLOPE AND DIMENSIONAL REQUIREMENTS ONLY. REFER TO SIDEWALK, CURBING, AND PAVEMENT DETAILS FOR ADDITIONAL INFORMATION.

#### ACCESSIBLE ROUTE NOTES:

- 1. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES + PUBLIC STREETS OR SIDEWALKS + AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY THEY SERVE.
- 2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE.
- 3. WALKING SURFACES SHALL HAVE A MAXIMUM RUNNING SLOPE OF 5.0% AND A MAXIMUM CROSS SLOPE OF 2.0%.
- 4. ANY WALKING SURFACE WITH A RUNNING SLOPE GREATER THAN 5.0% IS A RAMP AND SHALL COMPLY WITH THE GUIDELINES FOR RAMPS OR CURB RAMPS.
- 5. TRANSITIONS BETWEEN RAMPS, WALKS, LANDINGS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4 INCH MAXIMUM VERTICAL CHANGE IN LEVEL).
- 6. FLOOR SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
- THE MINIMUM CLEAR WIDTH SHALL BE THIRTY-TWO (32) INCHES FOR A ROUTE SEGMENT LENGTH LESS THAN TWENTY-FOUR (24) INCHES. CONSECUTIVE SEGMENTS OF THIRTY-TWO (32) INCHES IN WIDTH MUST BE SEPARATED BY A ROUTE SEGMENT FORTY-EIGHT (48) INCHES MINIMUM IN LENGTH AND THIRTY-SIX (36) INCHES MINIMUM IN WIDTH.
- 8. THE MINIMUM CLEAR WIDTH SHALL BE THIRTY-SIX (36) INCHES FOR A ROUTE SEGMENT LENGTH GREATER THAN TWENTY-FOUR (24) INCHES.
- 9. WHERE AN ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN FORTY-EIGHT (48) INCHES IN WIDTH, CLEAR WIDTH SHALL BE FORTY-TWO (42) INCHES MINIMUM APPROACHING THE TURN, FORTY-EIGHT (48) INCHES MINIMUM DURING THE TURN, AND FORTY-TWO (42) INCHES MINIMUM LEAVING THE TURN. THE CLEAR WIDTH APPROACHING AND LEAVING THE TURN MAY BE THIRTY-SIX (36) INCHES MINIMUM WHEN THE CLEAR WIDTH AT THE TURN IS SIXTY (60) INCHES MINIMUM.
- 10. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN SIXTY (60) INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF TWO HUNDRED (200) FEET MAXIMUM. PASSING SPACES SHALL BE EITHER A SIXTY (60) INCH MINIMUM BY SIXTY (60) INCH MINIMUM SPACE OR AN INTERSECTION OF TWO (2) WALKING SURFACES THAT PROVIDE A COMPLIANT T-SHAPED TURNING SPACE, PROVIDED THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND FORTY-EIGHT (48) INCHES MINIMUM BEYOND THE INTERSECTION.
- 11. DOORS, DOORWAYS AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH ADAAG AND ANY OTHER APPLICABLE CODE OR JURISDICTION REQUIREMENTS.
- 12. DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE BUILDING ENTRANCE SHALL BE PROVIDED AT INACCESSIBLE BUILDING ENTRANCES.
- 14. WHERE POSSIBLE, DRAINAGE INLETS SHALL NOT BE LOCATED ON AN ACCESSIBLE ROUTE IN THE EVENT THAT A DRAINAGE INLET MUST BE LOCATED ON AN ACCESSIBLE ROUTE, THE GRATE SHALL COMPLY WITH ADAAG REQUIREMENTS.

|                |              | DATE | APPR'D | CHK'D | REVISIONS | DATE | NO. |
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RAMP NOTES:

- 1. ANY PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 5% SHALL BE CONSIDERED A RAMP.
- 2. THE MAXIMUM RUNNING SLOPE FOR A RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0%.
- 3. THE CLEAR WIDTH OF A RAMP RUN SHALL BE THIRTY-SIX (36) INCHES MINIMUM. WHERE HANDRAILS ARE PROVIDED ON THE RAMP RUN, THE CLEAR WIDTH SHALL BE MEASURED BETWEEN THE HANDRAILS.
- 4. THE RISE FOR ANY RAMP RUN SHALL BE THIRTY (30) INCHES MAXIMUM.
- 5. LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF RAMPS. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2.0% IN ANY DIRECTION. THE LANDING CLEAR WIDTH
- SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. THE LANDING CLEAR LENGTH SHALL BE SIXTY (60) INCHES LONG MINIMUM. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING OF SIXTY (60) INCHES BY SIXTY (60) INCHES MINIMUM.
- 6 RAMP RUNS WITH A RISE GREATER THAN SIX (6) INCHES OR A HORIZONTAL PROJECTION GREATER THAN SEVENTY-TWO (72) INCHES SHALL HAVE HANDRAILS ON BOTH SIDES COMPLYING WITH ADAAG AND BC REQUIREMENTS.
- 1. FLOOR SURFACES OF RAMPS AND LANDINGS SHALL BE STABLE, FIRM AND SLIP RESISTANT.
- 8. EDGE PROTECTION COMPLYING WITH ADAAG AND BC REQUIREMENTS SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND ON EACH SIDE OF RAMP LANDINGS.
- 9. WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY ADAAG AND BC REQUIREMENTS SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA. WHERE DOORS THAT ARE SUBJECT TO LOCKING ARE ADJACENT TO A RAMP LANDING, LANDINGS SHALL BE SIZED TO PROVIDE A COMPLIANT TURNING SPACE.

ACCESSIBLE ENTRANCE NOTES:

- 1. ACCESSIBLE ENTRANCES SHALL BE PROVIDED AS REQUIRED BY UFAS & ANSI A117.1-2003 AND OTHER APPLICABLE JURISDICTION REQUIREMENTS.
- 2. ENTRANCE DOORS, DOORWAYS AND GATES SHALL COMPLY WITH UFAS & ANSI AIIT.I-2003 AND OTHER APPLICABLE JURISDICTION REQUIREMENTS AND SHALL BE ON AN ACCESSIBLE ROUTE.

CURB RAMP NOTES:

- I. THE MAXIMUM RUNNING SLOPE OF A CURB RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0%.
- 2. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 5%. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS AND STREETS SHALL BE AT THE SAME LEVEL.
- 3. THE CLEAR WIDTH OF A CURB RAMP SHALL BE SIXTY (60) INCHES MINIMUM, EXCLUSIVE OF FLARED SIDES, IF PROVIDED.
- LANDINGS SHALL BE PROVIDED AT THE TOP OF CURB RAMPS. THE CLEAR LENGTH OF THE LANDING SHALL BE THIRTY-SIX (36) INCHES MINIMUM. THE CLEAR WIDTH OF THE LANDING SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2% IN ANY DIRECTION.
- 5. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES.
- 6. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT EXCEED 10%. IF THE CLEAR LENGTH OF THE LANDING IS LESS THAN FORTY-EIGHT (48) INCHES THAN THE SLOPE OF THE FLARED SIDES SHALL NOT EXCEED 8.33%.
- CURB RAMPS AND THE FLARED SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES OR PARKING ACCESS AISLES, CURBS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
- 8. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.
- 9. CURB RAMPS SHALL HAVE A TWENTY-FOUR (24) INCH DEEP DETECTABLE WARNING COMPLYING WITH ADAAG, EXTENDING THE FULL WIDTH OF THE RAMP. REFER TO DETECTABLE WARNING DETAILS AND NOTES FOR PLACEMENT, ORIENTATION AND NOTES.
- 10 .FLOOR SURFACES OF CURB RAMPS SHALL BE DEEP GROOVED, ½ INCH WIDE BY ¼ INCH DEEP, ONE (1) INCH CENTERS TRANSVERSE TO THE RAMP.
- II .WHERE PROVIDED, STOP LINES SHALL BE LOCATED IN ADVANCE OF CURB RAMP.
- 12. WHERE PROVIDED, PEDESTRIAN ACTIVATED SIGNALS SHALL BE LOCATED ADJACENT TO THE SIDEWALK AND NOT ON THE SIDEWALK.
- 13. WHERE PROVIDED, DRAINAGE INLETS SHALL BE LOCATED UPSTREAM OF CURB RAMPS AND NOT IN THE RAMP AREA.
- 14. CURB RAMP TYPE AND LOCATION ARE PER PLAN.

DATE: APR 2023

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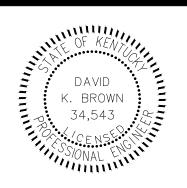
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3 HMB CIRCLE FRANKFORT, KY (502) 695-9800 (502) 695-9810 FAX



PARKING SPACE NOTES:

- 1. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTES OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE BUILDING ENTRANCE.
- 2. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE AT LEAST NINETY-SIX (96) INCHES WIDE. WHERE PARKING SPACES AND ACCESS AISLES ARE MARKED WITH LINES, THE WIDTH MEASUREMENTS SHALL BE MADE FROM CENTERLINE OF THE MARKINGS. WHERE PARKING SPACES OR ACCESS AISLES ARE NOT ADJACENT TO ANOTHER PARKING SPACE OR ACCESS AISLES, MEASUREMENTS SHALL BE PERMITTED TO INCLUDE THE FULL WIDTH OF THE LINE DEFINING THE PARKING SPACE OR ACCESS AISLE.
- 3. PARKING ACCESS AIGLES SHALL BE PART OF AN ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND SHALL COMPLY WITH PROVISIONS FOR ACCESSIBLE ROUTES. MARKED CROSSINGS SHALL BE PROVIDED WHERE THE ACCESSIBLE ROUTE MUST CROSS VEHICULAR TRAFFIC LANES. WHERE POSSIBLE, IT IS PREFERABLE THAT THE ACCESSIBLE ROUTE NOT PASS BEHIND PARKED VEHICLES.
- 4. TWO (2) ACCESSIBLE PARKING SPACES MAY SHARE A COMMON ACCESS AISLE.
- 5. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACE THEY SERVE.
- 6. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.
- ACCESS AIGLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AIGLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR ANGLED VAN PARKING SPACES WHICH SHALL HAVE ACCESS AIGLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.
- 8. FLOOR SURFACES OF PARKING SPACES AND ACCESS AIGLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT. ACCESS AIGLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
- 9. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ALL DIRECTIONS.
- 10. PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE.
- 11. 1/6 ACCCESSIBLE PARKING SPACES MUST BE DIMENSIONED FOR VANS AND PROVIDE ACCESS AISLES THAT ARE EITHER EIGHT (8) FEET IN WIDTH ADJACENT TO AN EIGHT (8) FOOT WIDE SPACE OR FIVE (5) FEET IN WIDTH ADJACENT TO AN ELEVEN (11) FOOT WIDE SPACE. VEHICULAR ROUTES SERVING VAN ACCESSIBLE SPACES SHALL PROVIDE A VERTICAL CLEARANCE OF NINETY-EIGHT (98) INCHES MINIMUM. SIGNS SHALL BE PROVIDED AT ENTRANCES TO PARKING FACILITIES INFORMING DRIVERS OF CLEARANCES AND THE LOCATION OF VAN ACCESSIBLE PARKING SPACES.
- 12. EACH ACCESSIBLE PARKING SPACE SHALL BE PROVIDED WITH SIGNAGE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. EACH ACCESS AIGLE SHALL BE PROVIDED WITH SIGNAGE READING "NO PARKING ANTTIME". SIGNS SHALL BE INSTALLED AT A MINIMUM CLEAR HEIGHT OF SEVENTY-TWO (12) INCHES (OR PER APPLICABLE JURISDICTION REQUIREMENTS) AND EIGHTY-FOUR (84) INCHES ABOVE GRADE AND SHALL NOT INTERFERE WITH AN ACCESSIBLE ROUTE FROM AN ACCESS AIGLE. SIGNS LOCATED WHERE THEY MAY BE HIT BY VEHICLES BEING PARKED SHALL BE INSTALLED WITH BOLLARD PROTECTION.
- 13. ACCESSIBLE PARKING SPACE, ACCESS AISLE STRIPING (PAINT WHITE), AND INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE PAINTED TO CONTRAST FROM THE PAVEMENT.

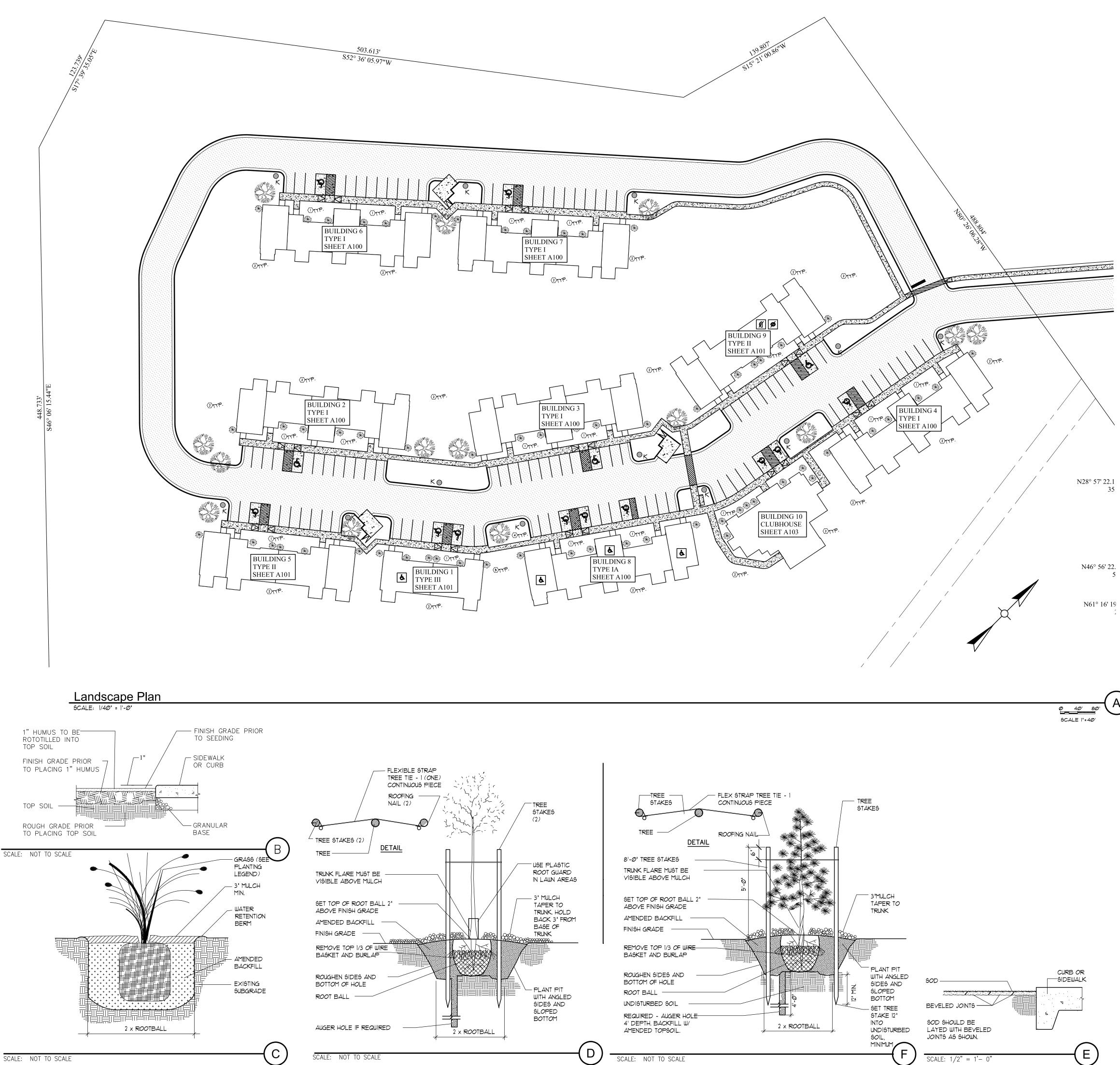
#### PASSENGER LOADING ZONE NOTES:

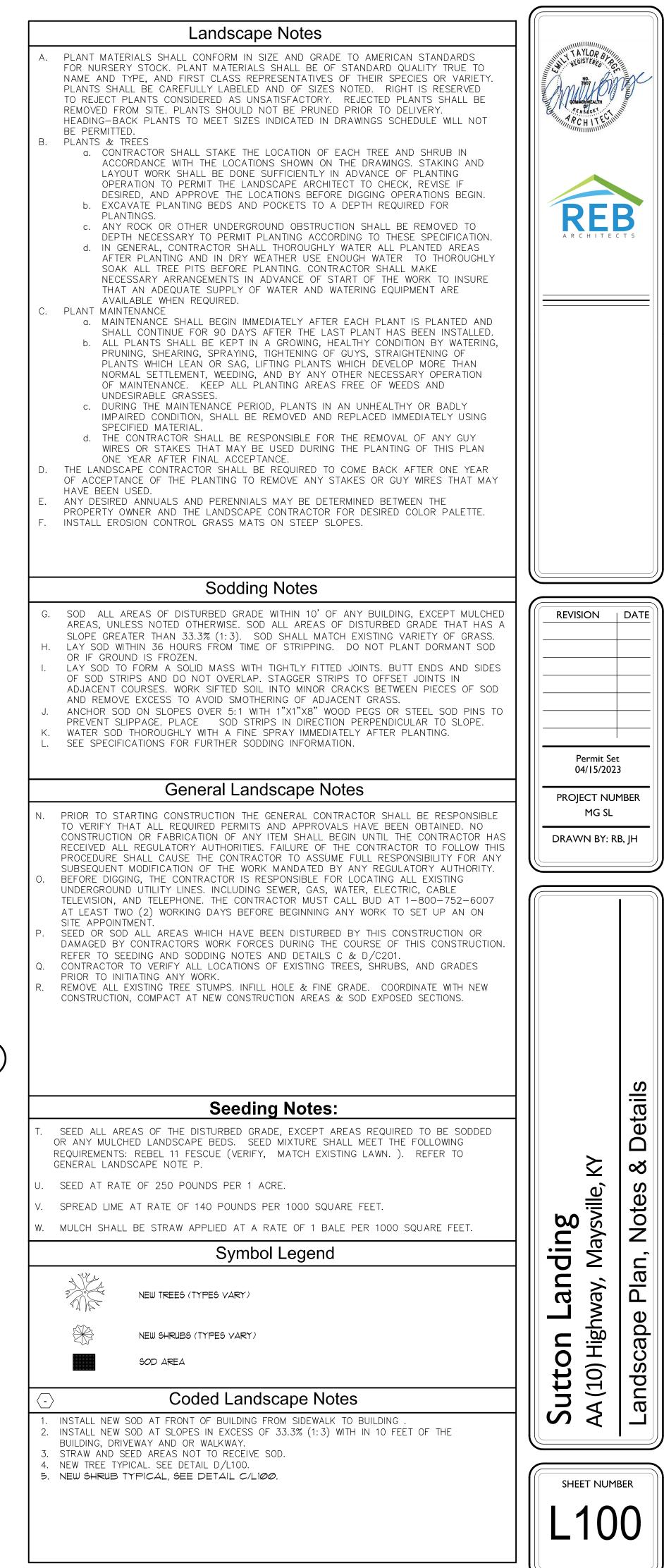
- 1. PASSENGER LOADING ZONES SHALL PROVIDE VEHICULAR PULL-UP SPACE NINETY-SIX (96) INCHES WIDE MINIMUM AND TWENTY (20) FEET LONG MINIMUM.
- 2. PASSENGER LOADING ZONES SHALL PROVIDE A CLEARLY MARKED ACCESS AIGLE THAT IS SIXTY (60) INCHES WIDE MINIMUM AND EXTENDS THE FULL LENGTH OF THE VEHICLE PULL-UP SPACE THEY SERVE.
- 3. ACCESS AIGLE SHALL ADJOIN AN ACCESSIBLE ROUTE AND NOT OVERLAP THE VEHICULAR WAY.
- 4. VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE LEVEL WITH SURFACE SLOPES NO EXCEEDING 2.0% IN ALL DIRECTIONS. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE PULL-UP SPACE THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
- 5. FLOOR SURFACES OF VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT.
- 6. VEHICLE PULL-UP SPACES, ACCESS AISLES SERVING THEM AND A VEHICULAR ROUTE FROM AN ENTRANCE TO THE PASSENGER LOADING ZONE, AND FROM THE PASSENGER LOADING ZONE TO A VEHICULAR EXIT SERVING THEM, SHALL PROVIDE A VERTICAL CLEARANCE OF ONE HUNDRED FOURTEEN (114) INCHES MINIMUM.

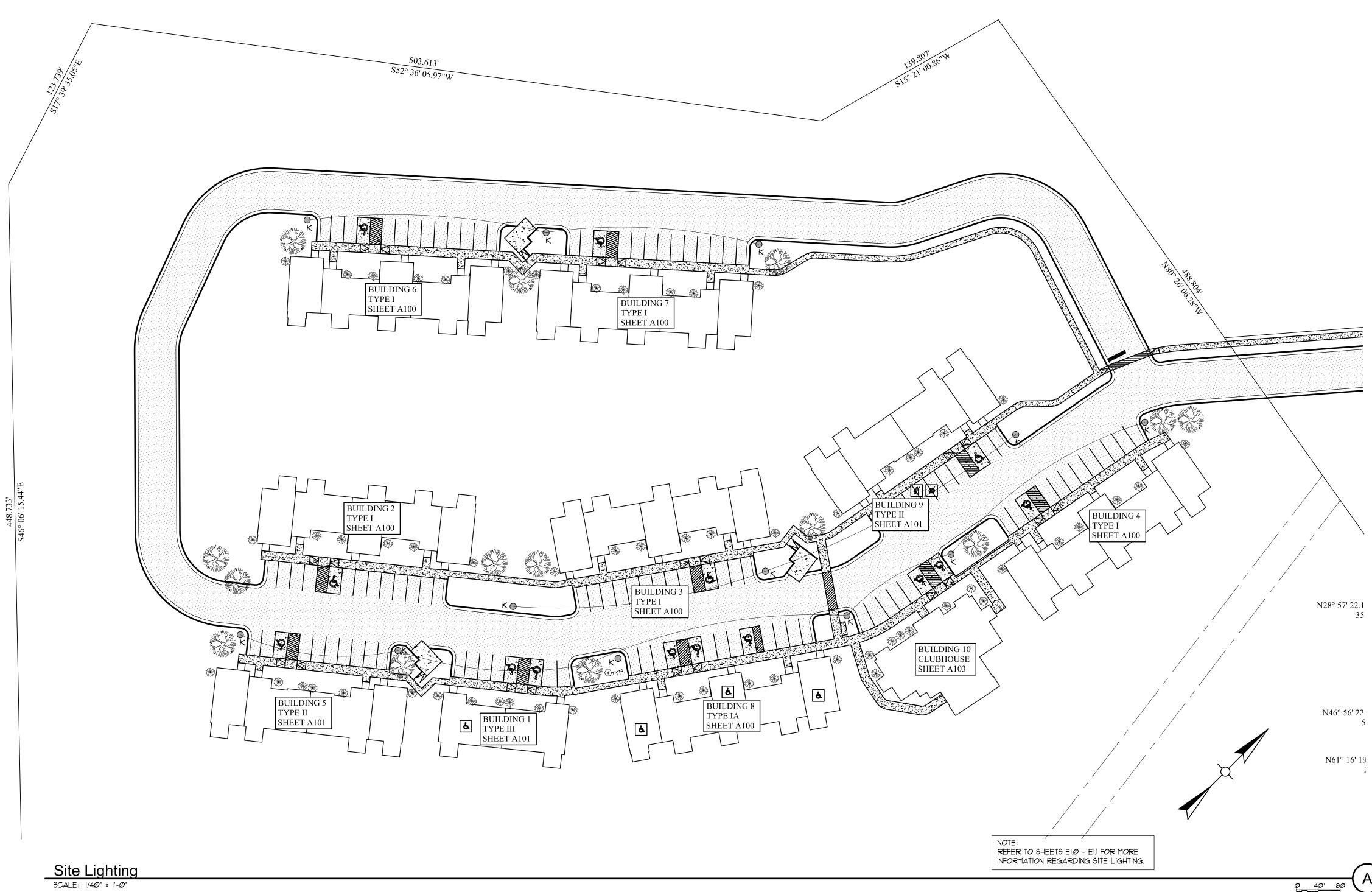
THE MODEL GROUP SUTTON'S LANDING MARTIN LUTHER KING HWY SHEET

C5.4

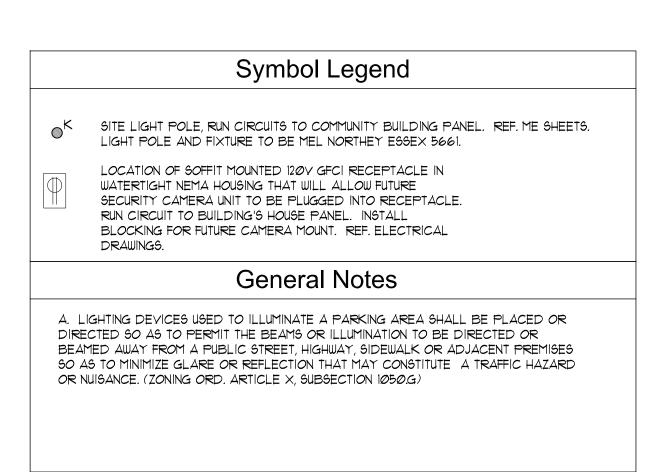
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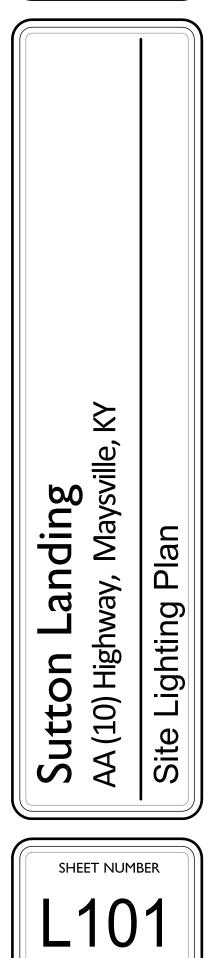


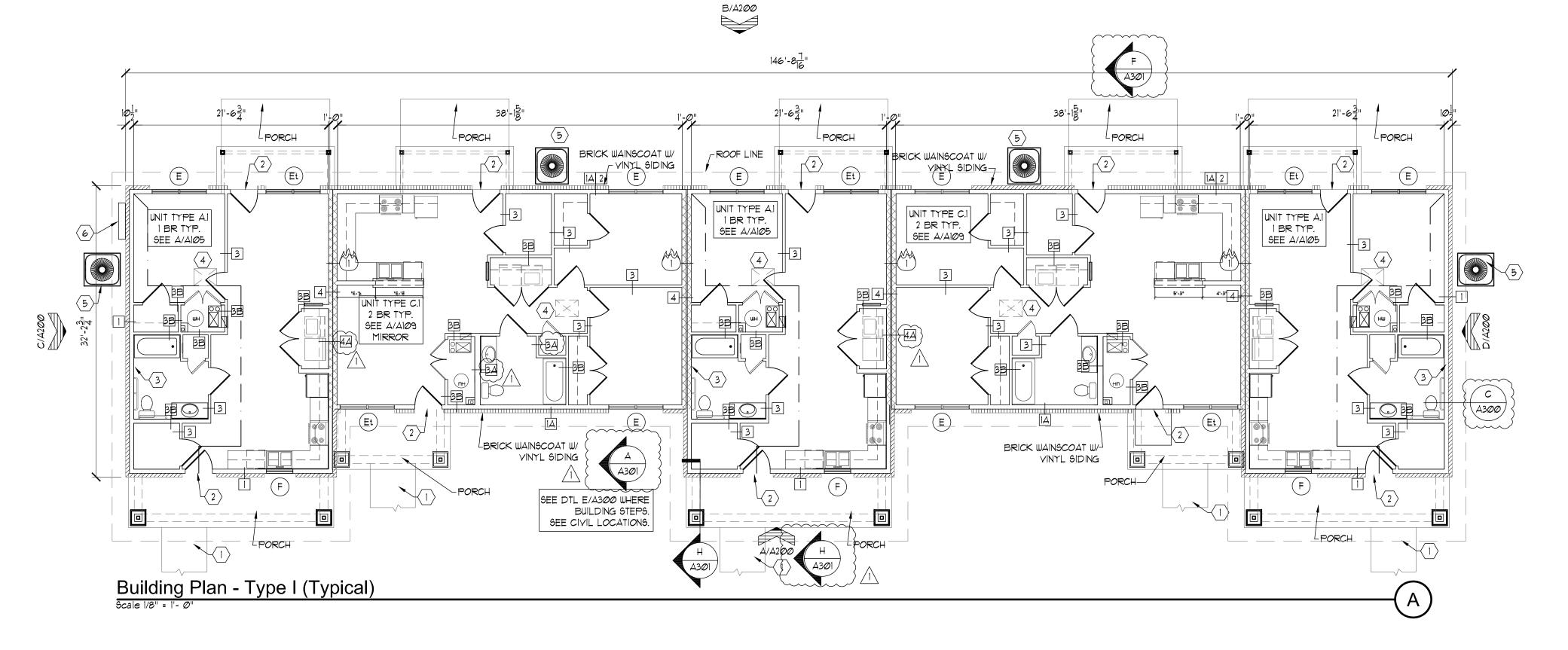
0\_\_\_\_40'\_\_80' GCALE 1"=40'



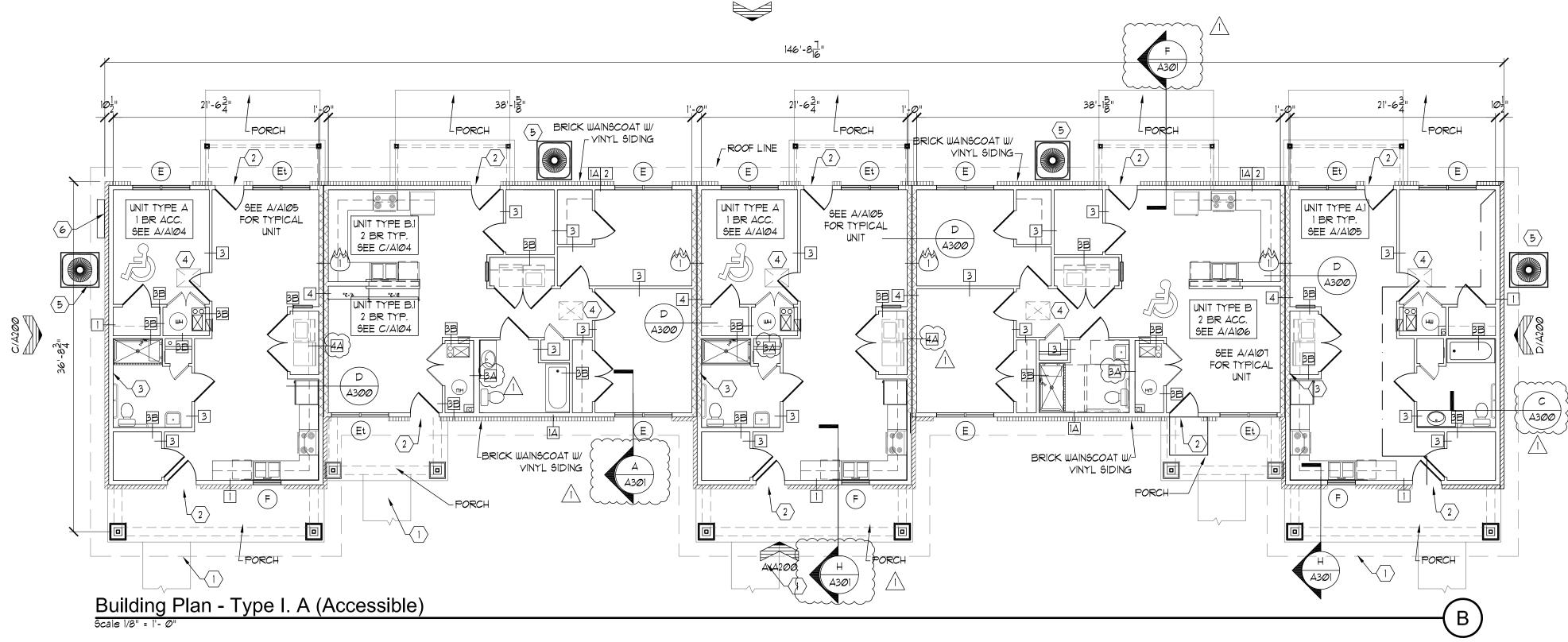


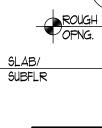
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| PROJECT NU             | MBER   |
| MG SL                  |        |
| DRAWN BY: R            | .B, JH |
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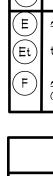


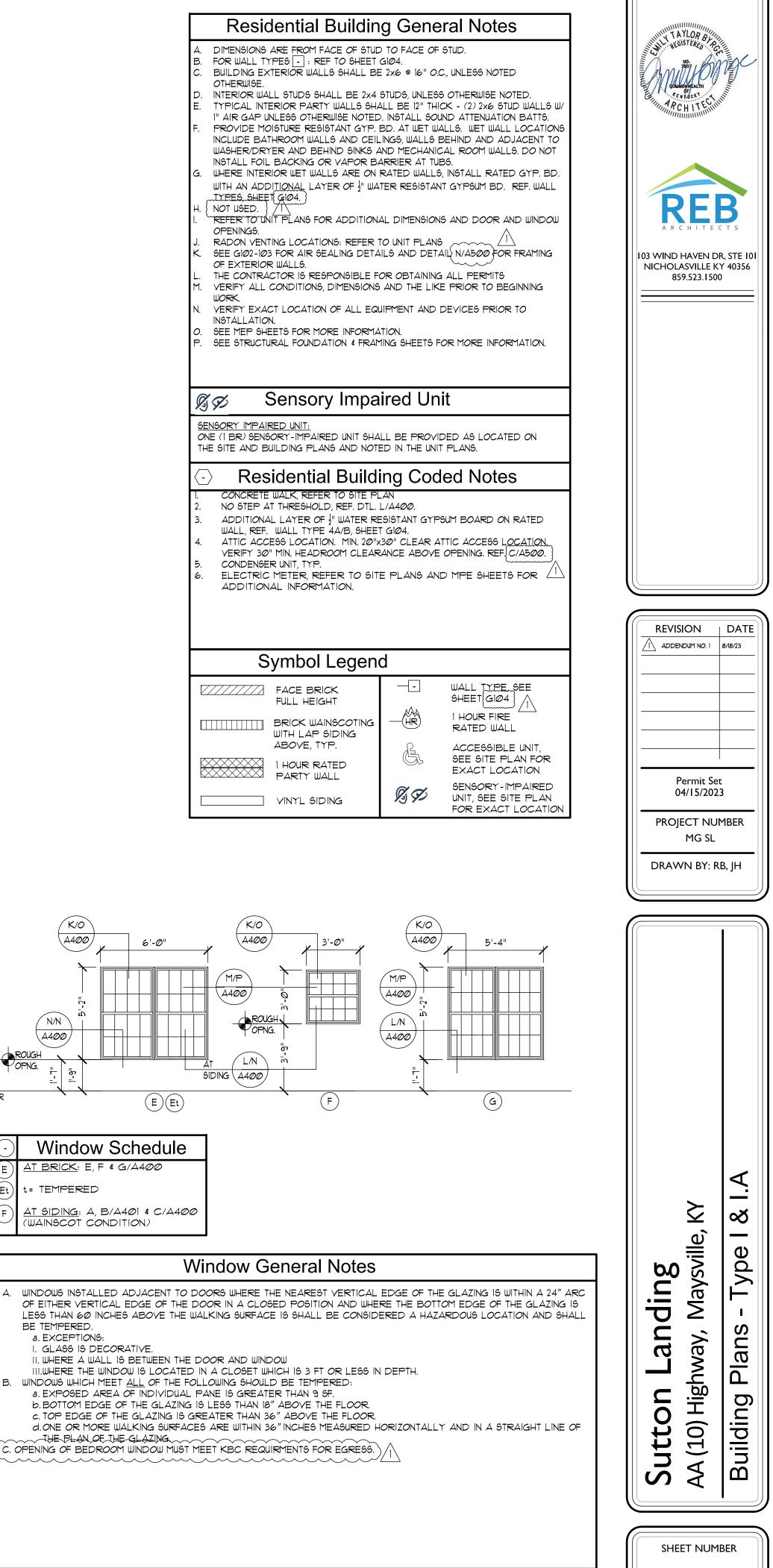


B/A2*ØØ* 

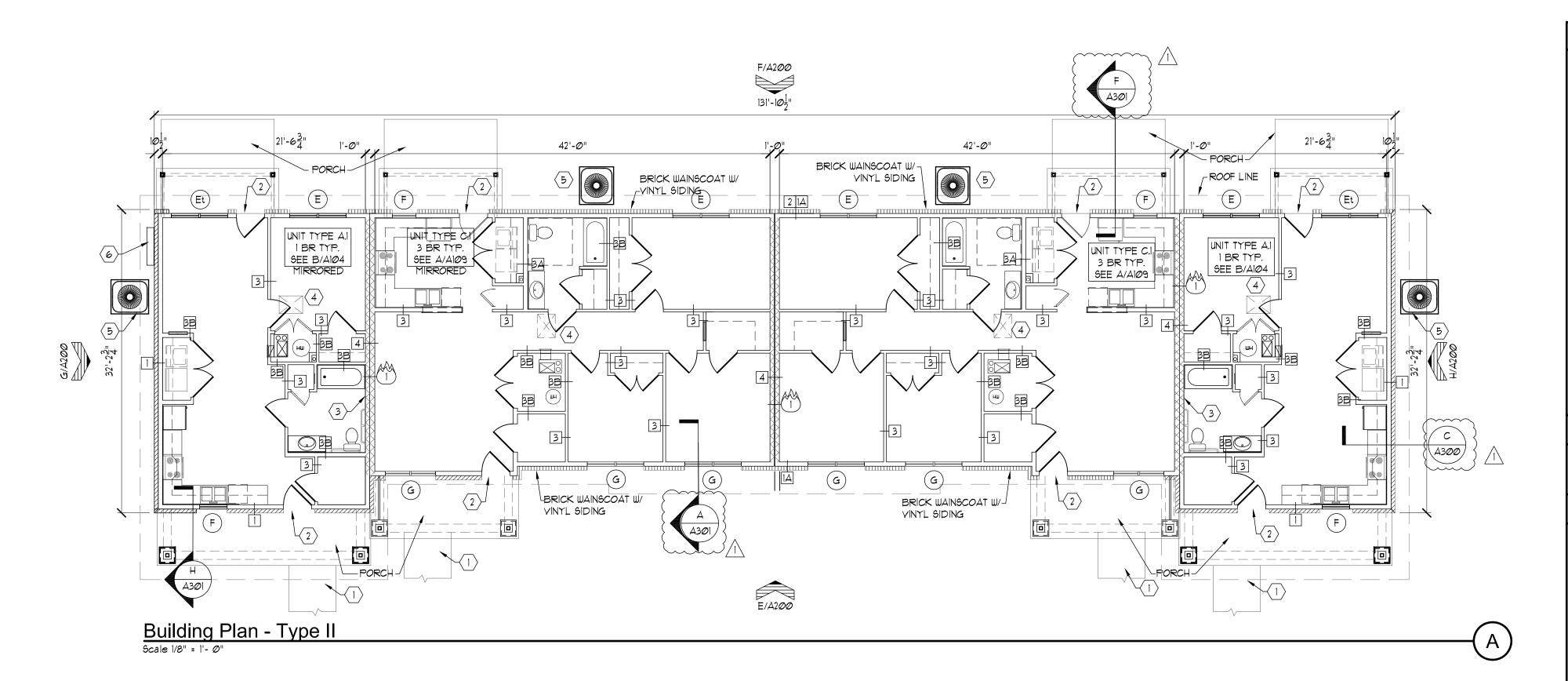


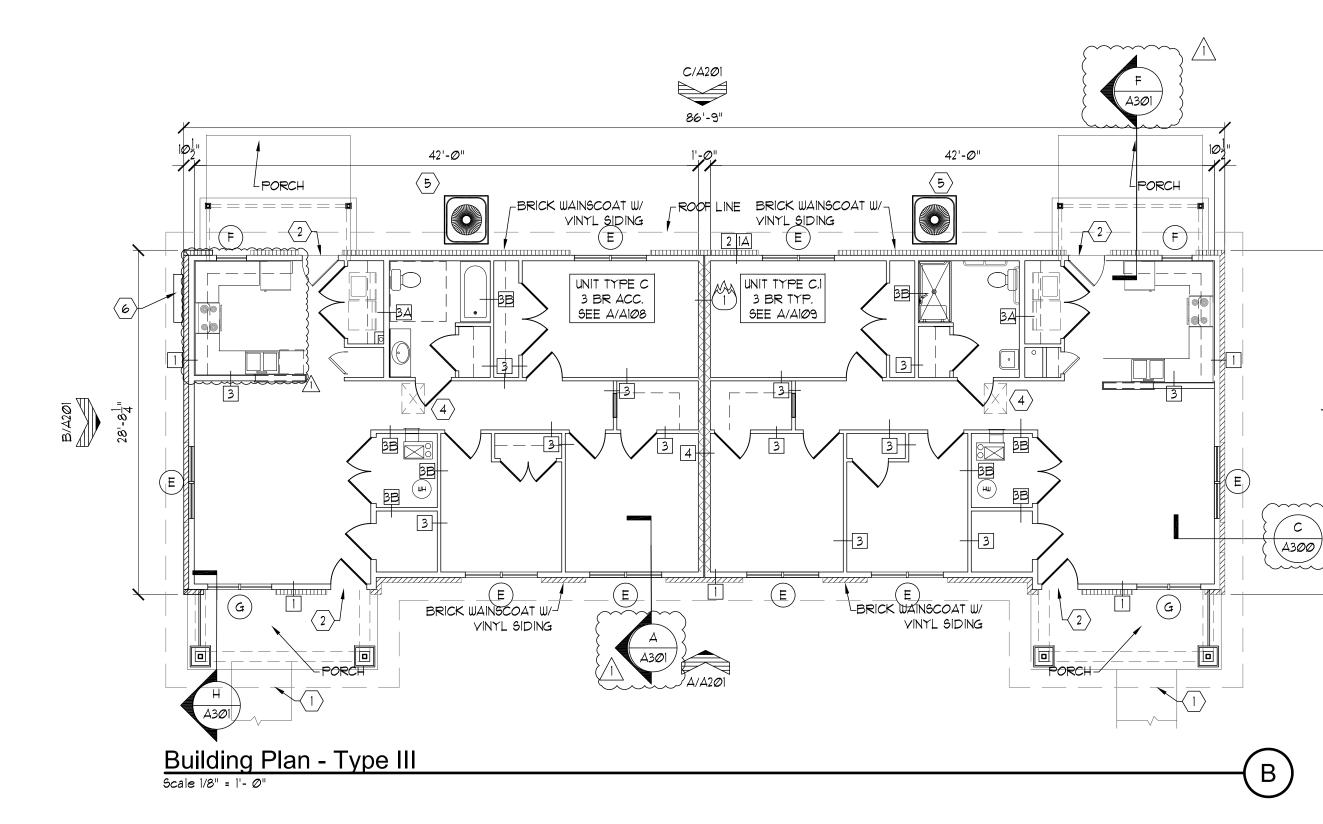






A100







- BUILDING EXTERIOR WALLS SHALL BE 2x6 @ 16" O.C., UNLESS NOTED
- OTHERWISE.
- INTERIOR WALL STUDS SHALL BE 2x4 STUDS, UNLESS OTHERWISE NOTED. TYPICAL INTERIOR PARTY WALLS SHALL BE 12" THICK (2) 2x6 STUD WALLS W/
- I" AIR GAP UNLESS OTHERWISE NOTED. INSTALL SOUND ATTENUATION BATTS. PROVIDE MOISTURE RESISTANT GYP. BD. AT WET WALLS. WET WALL LOCATIONS INCLUDE BATHROOM WALLS AND CEILINGS, WALLS BEHIND AND ADJACENT TO WASHER/DRYER AND BEHIND SINKS AND MECHANICAL ROOM WALLS. DO NOT INSTALL FOIL BACKING OR VAPOR BARRIER AT TUBS.
- WHERE INTERIOR WET WALLS ARE ON RATED WALLS, INSTALL RATED GYP. BD. WITH AN ADDITIONAL LAYER OF  $\frac{1}{2}$ " WATER RESISTANT GYPSUM BD. REF. WALL NOT USED.
- REFER TO UNIT PLANS FOR ADDITIONAL DIMENSIONS AND DOOR AND WINDOW OPENINGS. RADON VENTING LOCATIONS: REFER TO UNIT PLANS
- SEE GIØ2-IØ3 FOR AIR SEALING DETAILS AND DETAIL N/A500 FOR FRAMING OF EXTERIOR WALLS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS
- VERIFY ALL CONDITIONS, DIMENSIONS AND THE LIKE PRIOR TO BEGINNING WORK.
- VERIFY EXACT LOCATION OF ALL EQUIPMENT AND DEVICES PRIOR TO INSTALLATI*O*N.
- SEE MEP SHEETS FOR MORE INFORMATION. SEE STRUCTURAL FOUNDATION & FRAMING SHEETS FOR MORE INFORMATION.

#### Sensory Impaired Unit リン

SENSORY IMPAIRED UNIT: ONE (1 BR) SENSORY-IMPAIRED UNIT SHALL BE PROVIDED AS LOCATED ON THE SITE AND BUILDING PLANS AND NOTED IN THE UNIT PLANS.

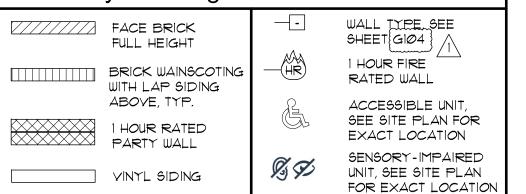
### **Residential Building Coded Notes**

- CONCRETE WALK, REFER TO SITE PLAN NO STEP AT THRESHOLD, REF. DTL. L/A400.
- ADDITIONAL LAYER OF  $\frac{1}{2}$ " WATER RESISTANT GYPSUM BOARD ON RATED WALL, REF. WALL TYPE 4A/B, SHEET GIØ4.
- ATTIC ACCESS LOCATION. MIN. 20"x30" CLEAR ATTIC ACCESS LOCATION VERIFY 30" MIN. HEADROOM CLEARANCE ABOVE OPENING. REF{C/A500.
- CONDENSER UNIT, TYP. ELECTRIC METER, REFER TO SITE PLANS AND MPE SHEETS FOR  $\perp$ ADDITIONAL INFORMATION.

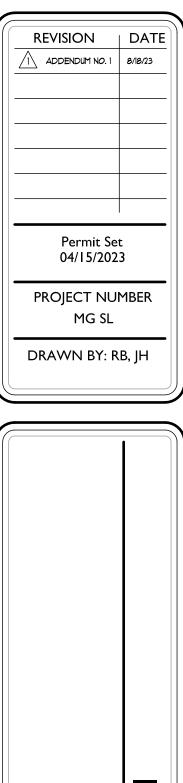
### Symbol Legend

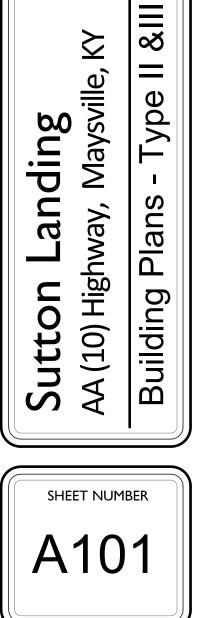
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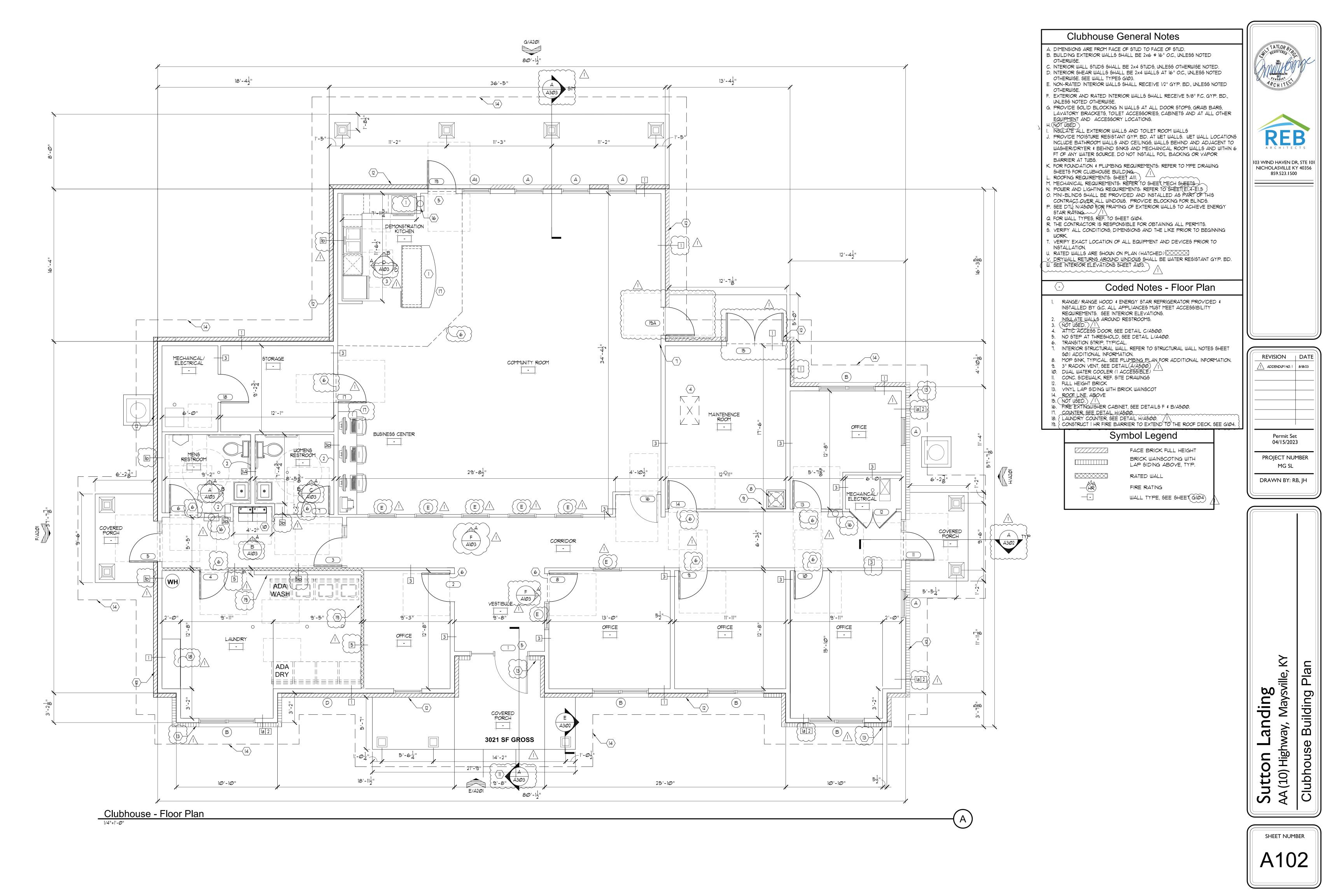
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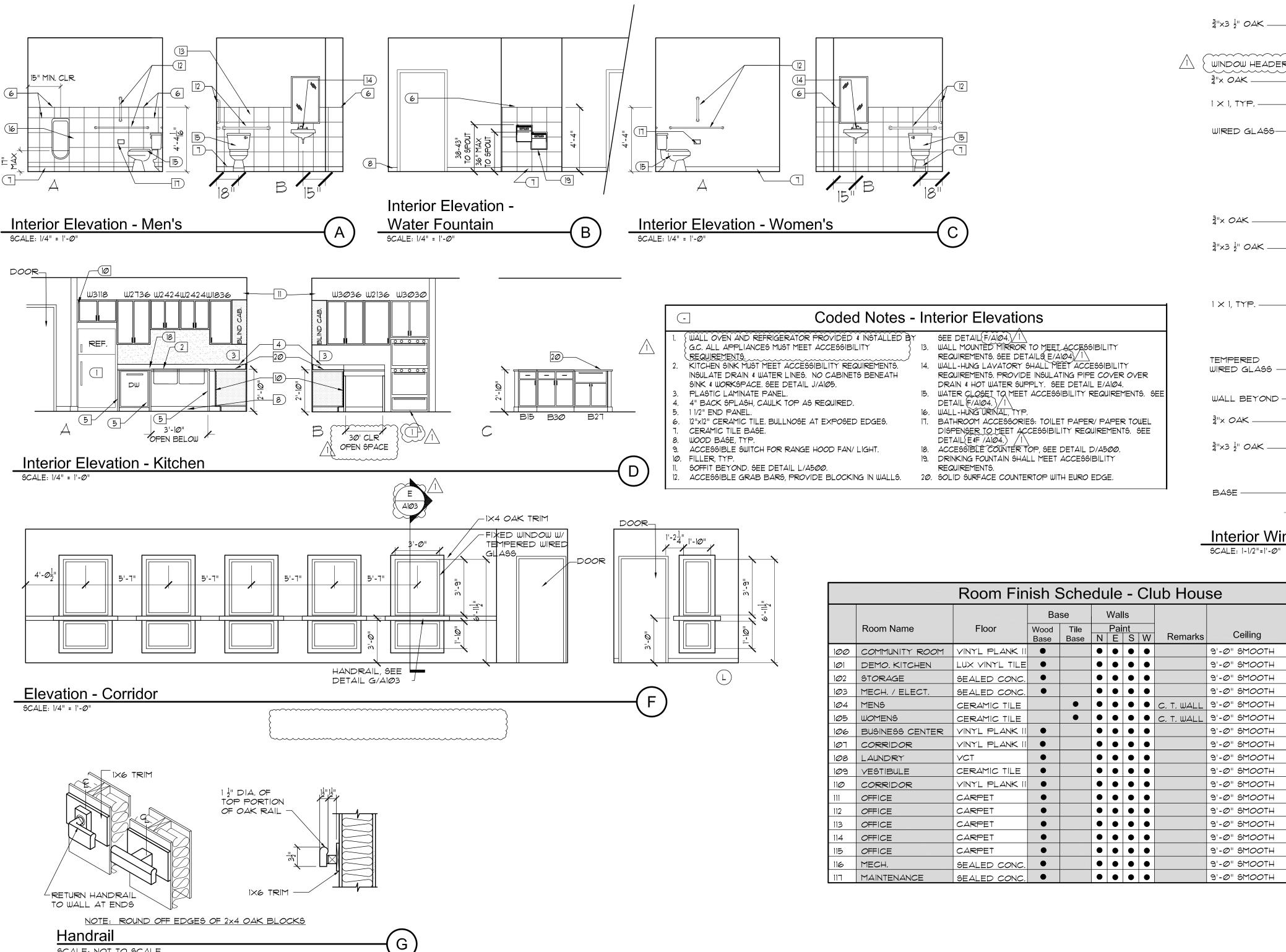


| TAYLOR OJ  |
|--|
| IO3 WIND HAVEN DR, STE IOI<br>NICHOLASVILLE KY 40356<br>859.523.1500 |
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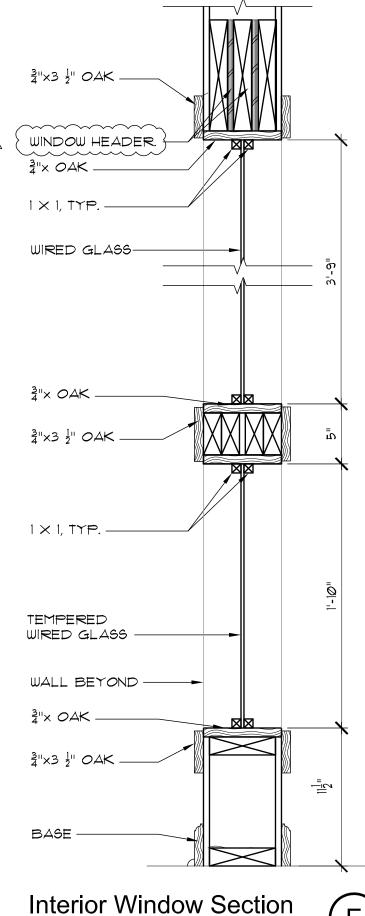


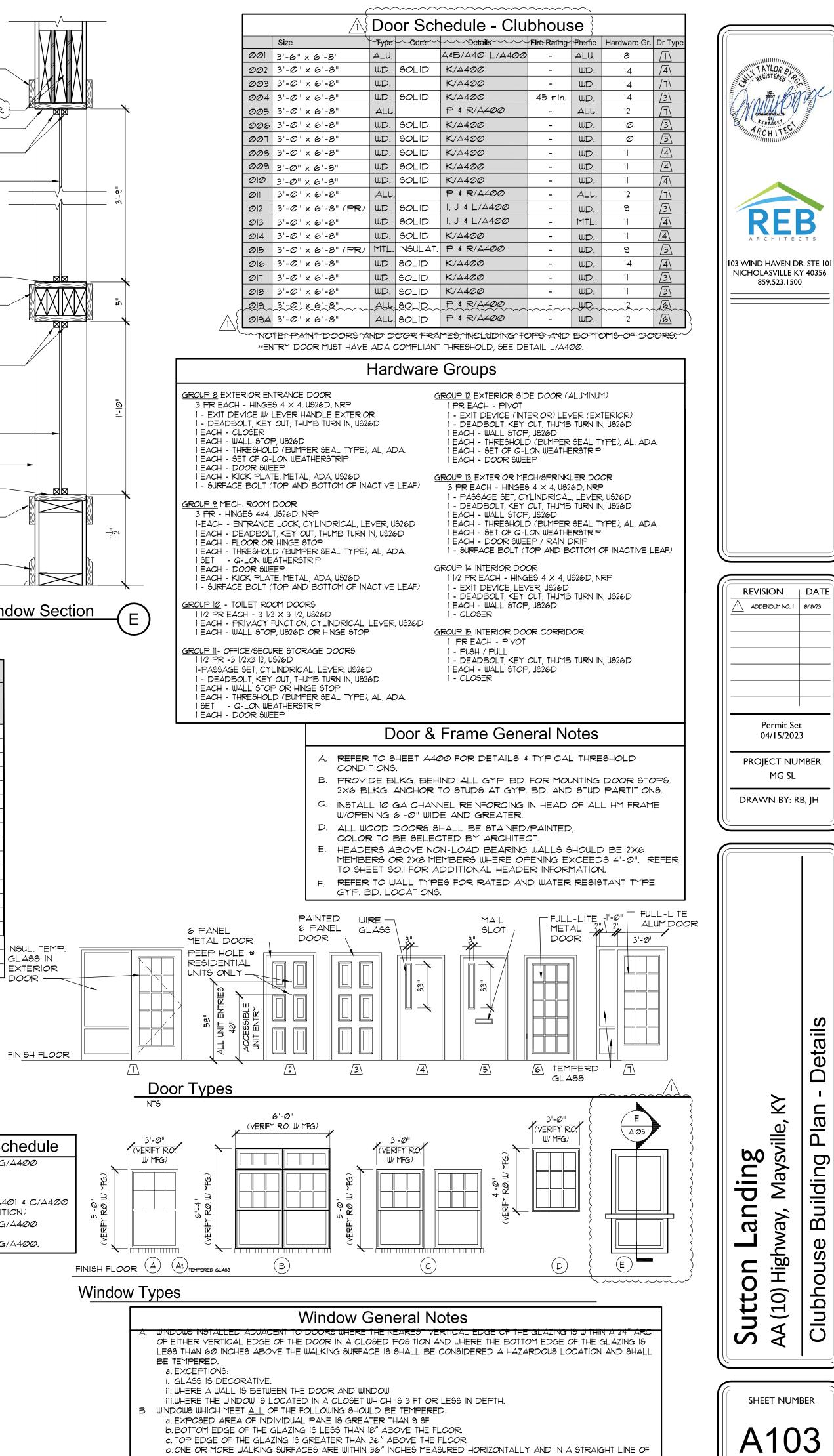


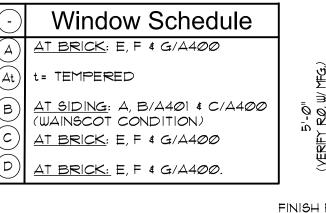




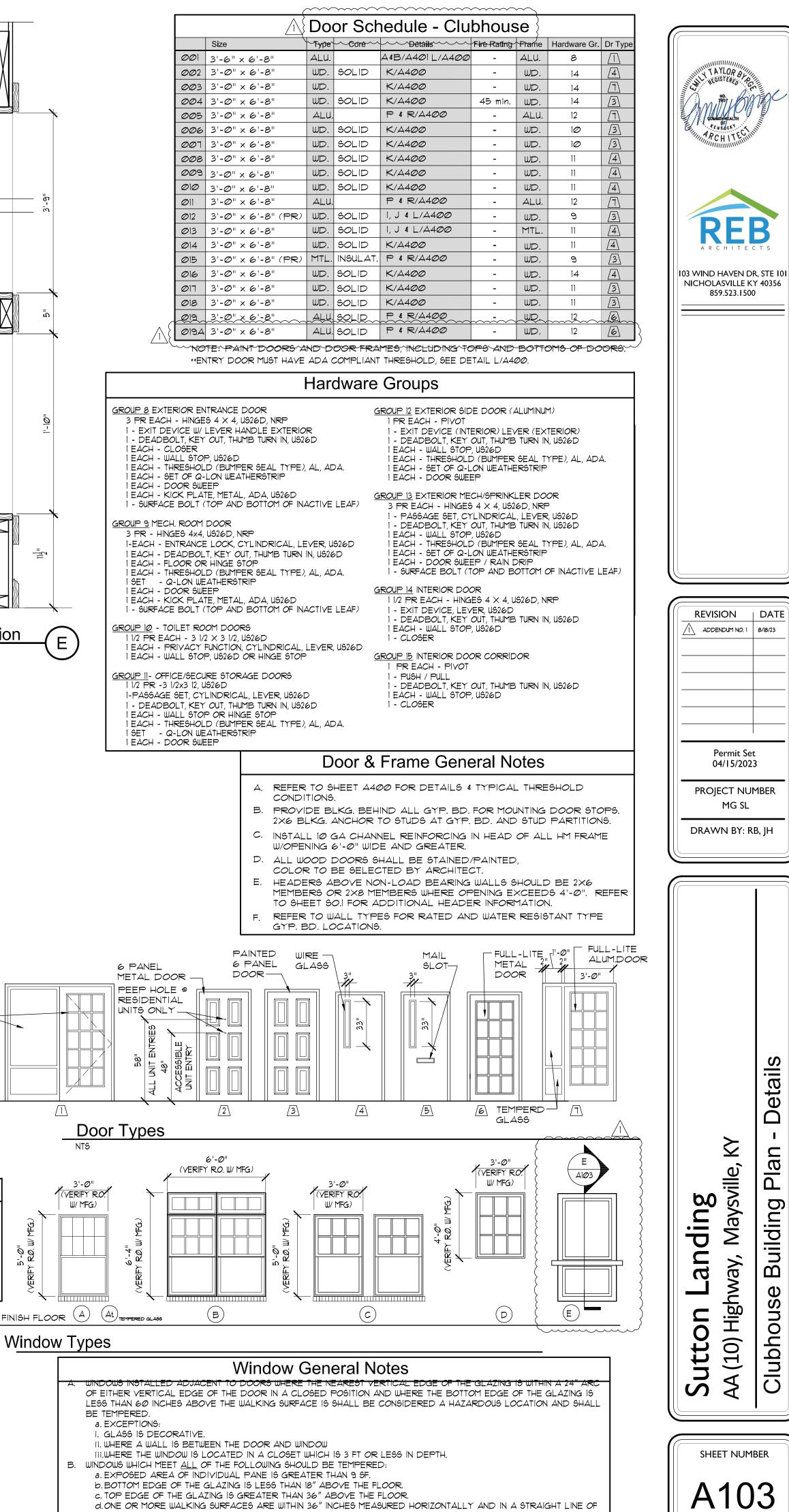
SCALE: NOT TO SCALE

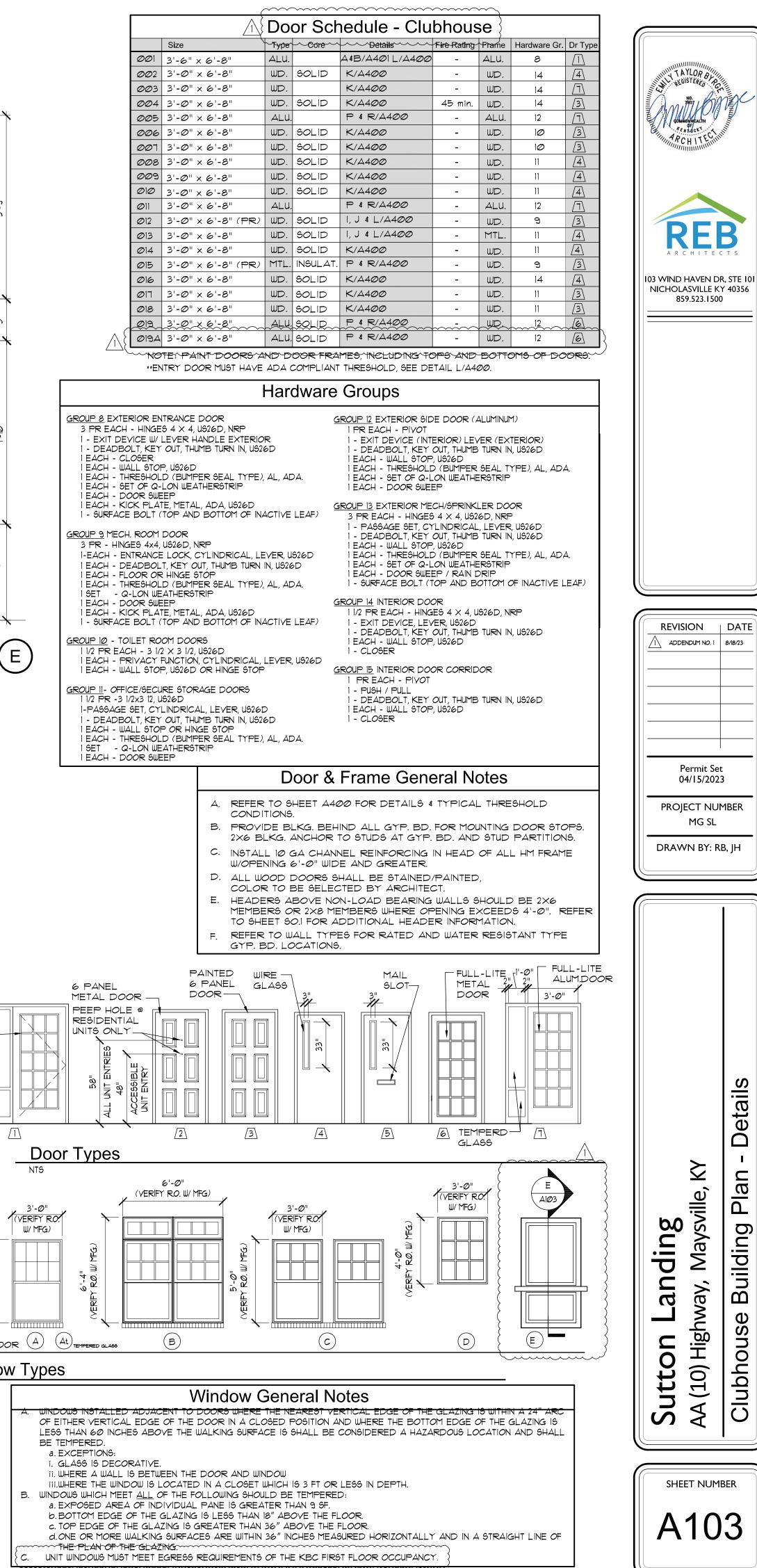


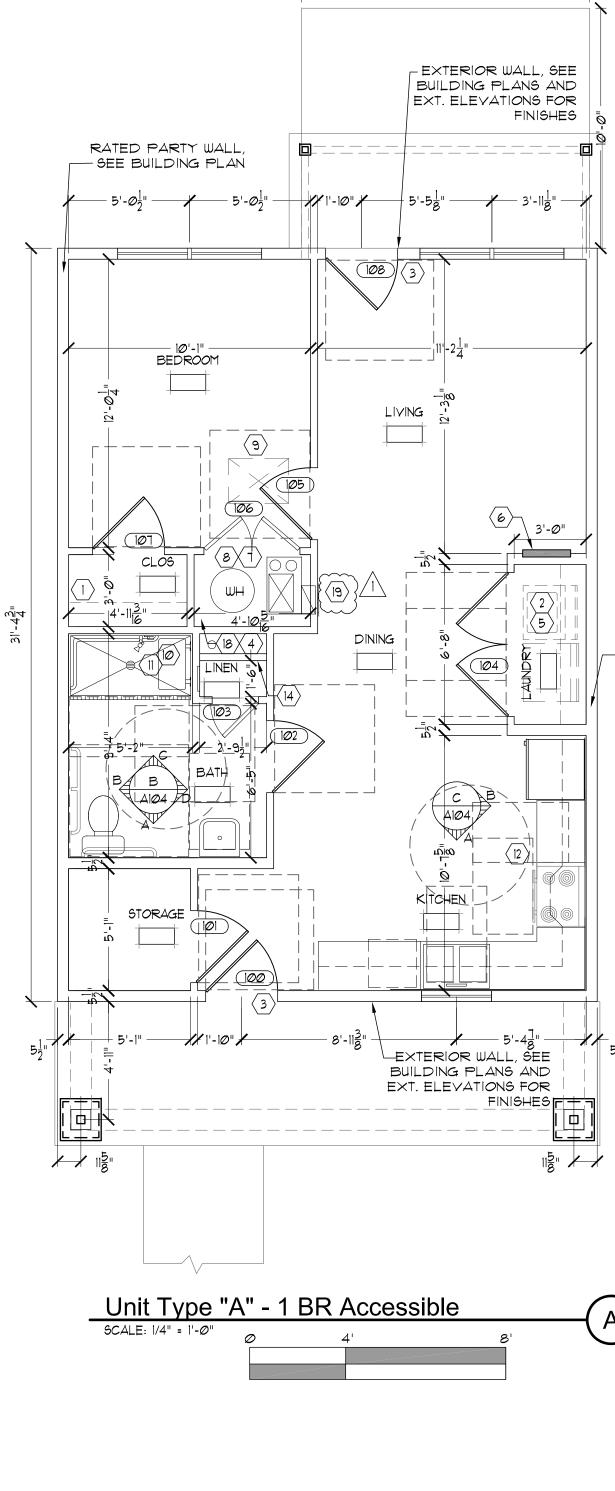


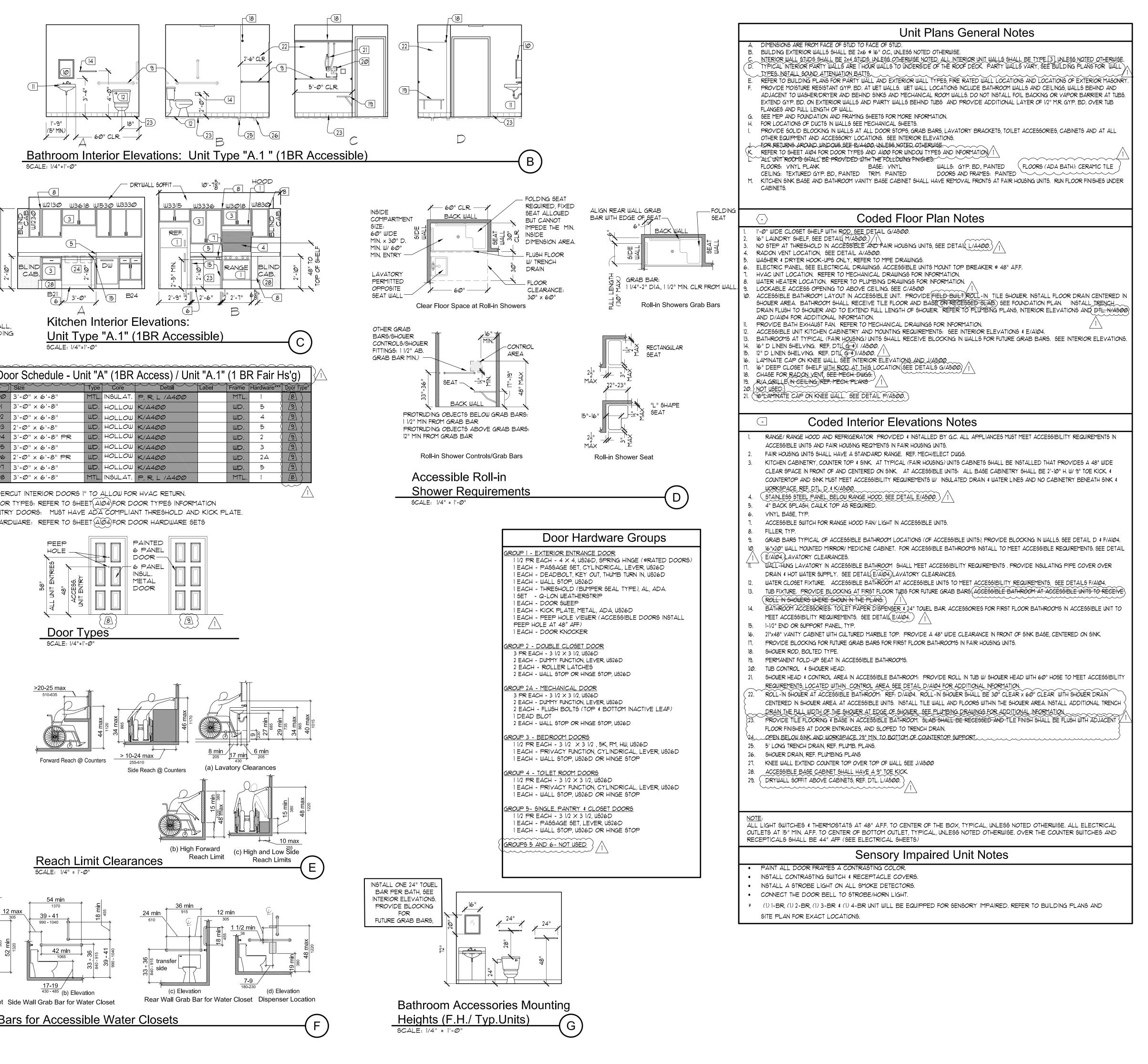


DOOR -



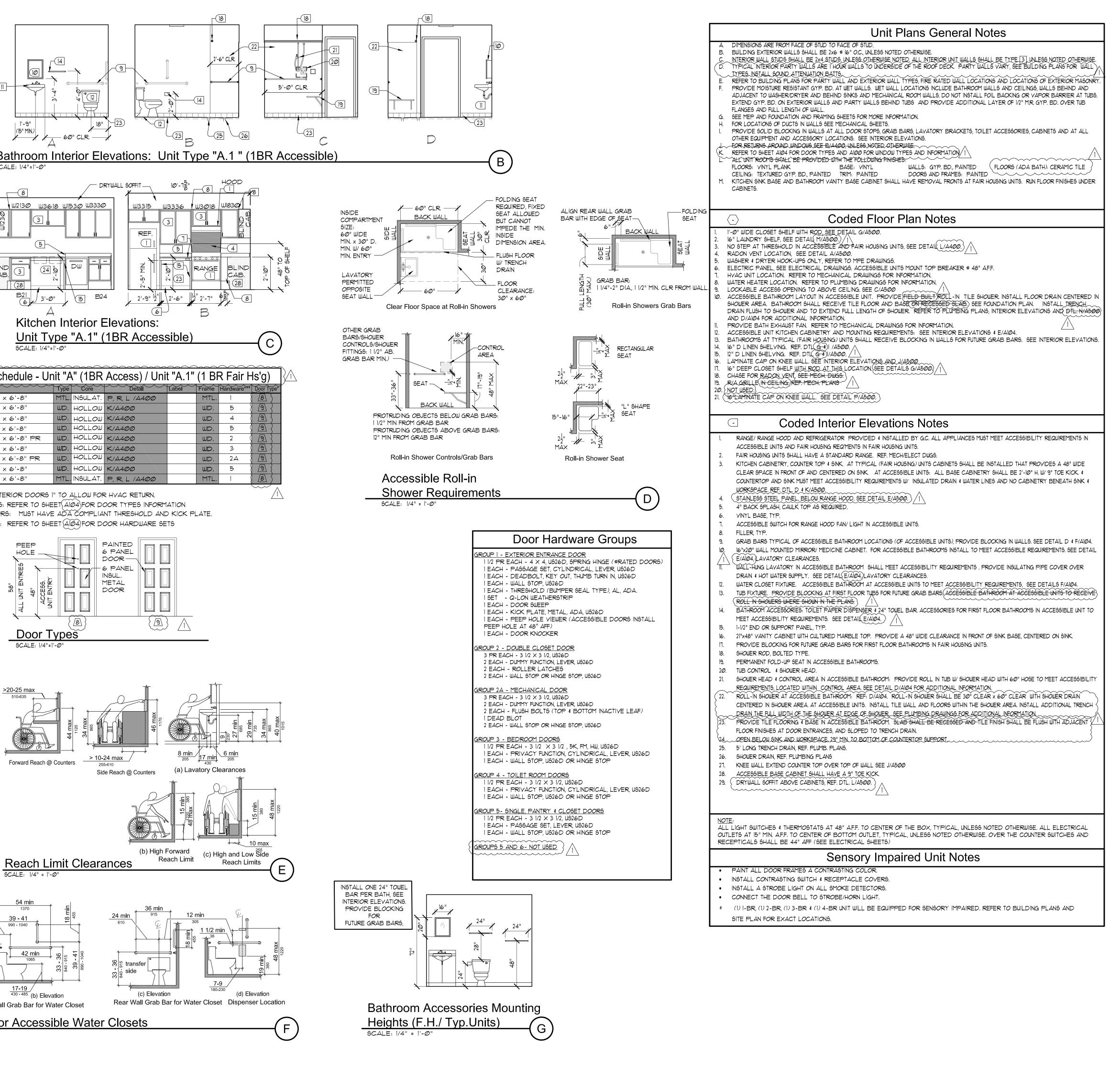


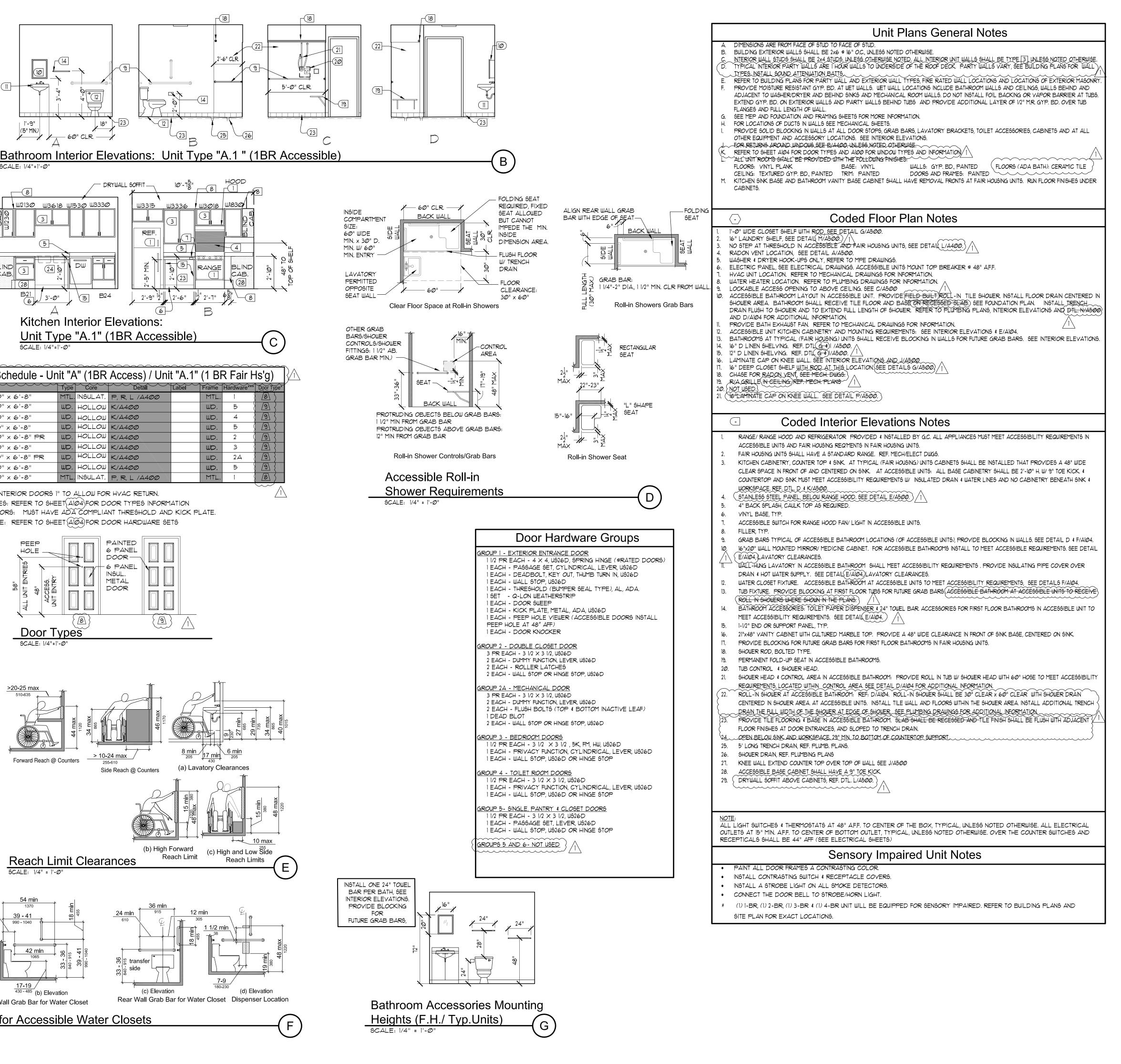


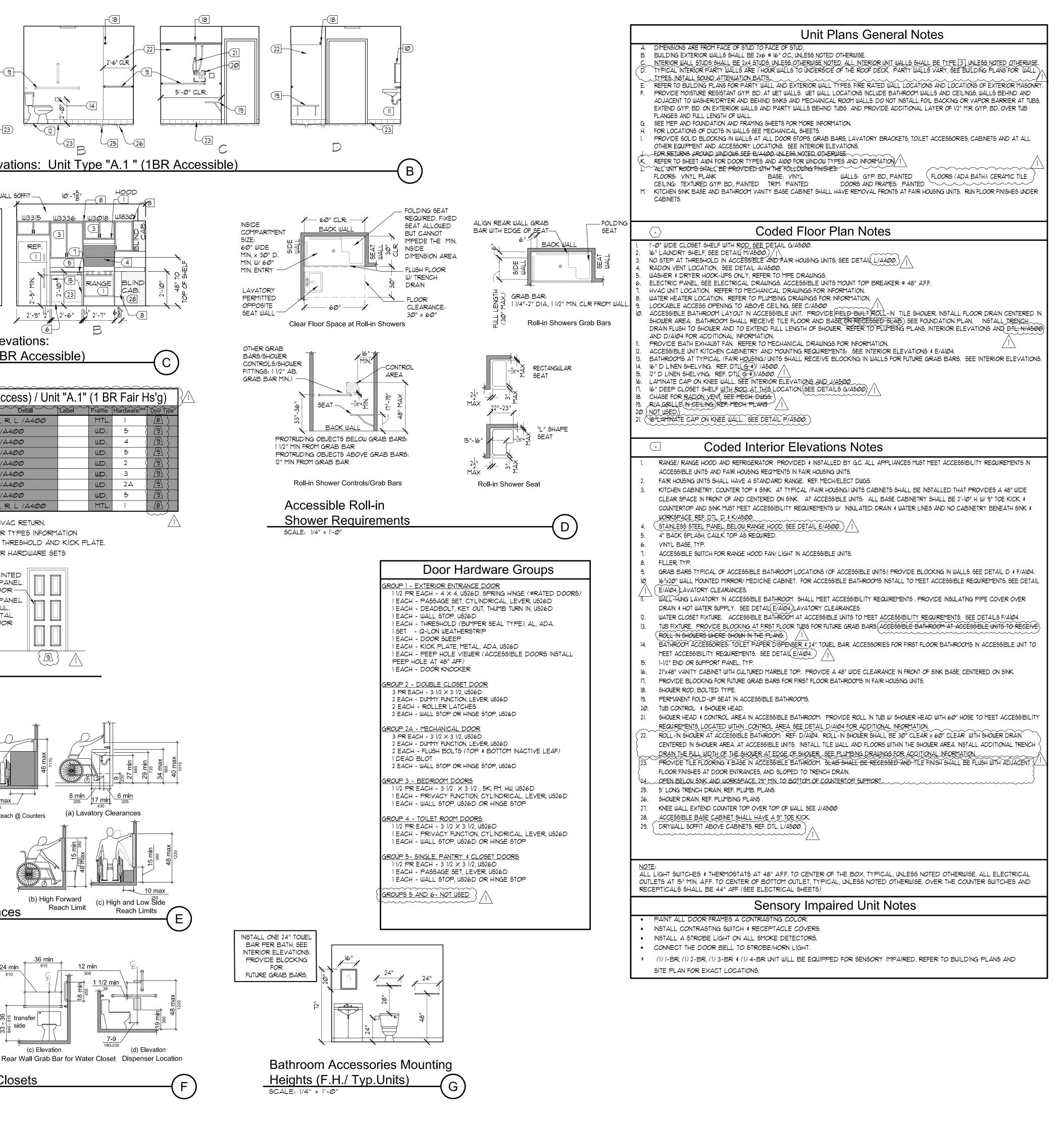


| $\sum$      | -)  | Size             | Туре | Core     | Detail        | Ĺ |
|-------------|-----|------------------|------|----------|---------------|---|
| $\setminus$ | 100 | 3'-Ø" × 6'-8"    | MTL. | INSULAT. | P, R, L /A400 |   |
|             | 101 | 3'-Ø" x 6'-8"    | WD.  | HOLLOW   | K/A4ØØ        |   |
|             | 1Ø2 | 3'-Ø" x 6'-8"    | WD.  | HOLLOW   | K/A4ØØ        |   |
|             | 1Ø3 | 2'-Ø" × 6'-8"    | WD.  | HOLLOW   | K/A4ØØ        |   |
|             | 104 | 3'-Ø" × 6'-8" PR | WD.  | HOLLOW   | K/A4ØØ        |   |
|             | 105 | 3'-Ø" × 6'-8"    | WD.  | HOLLOW   | K/A4ØØ        |   |
|             | 106 | 2'-Ø" × 6'-8" PR | WD.  | HOLLOW   | K/A4ØØ        |   |
|             | 107 | 3'-Ø" x 6'-8"    | WD.  | HOLLOW   | K/A4ØØ        |   |
|             | 108 | 3'-Ø" × 6'-8"    | MTL. | INSULAT. | P, R, L /A400 |   |

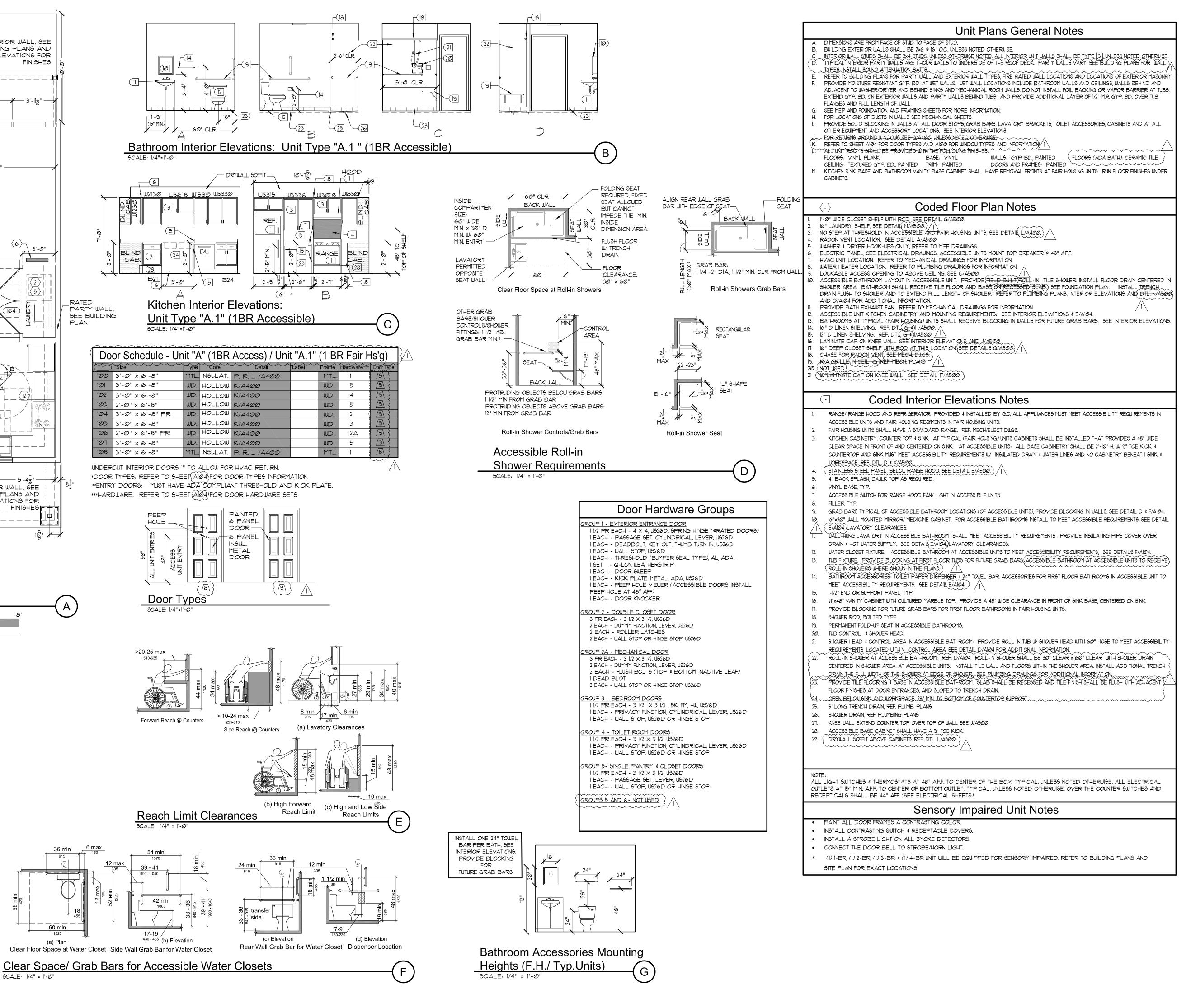
UNDERCUT INTERIOR DOORS I" TO ALLOW FOR HVAC RETURN.





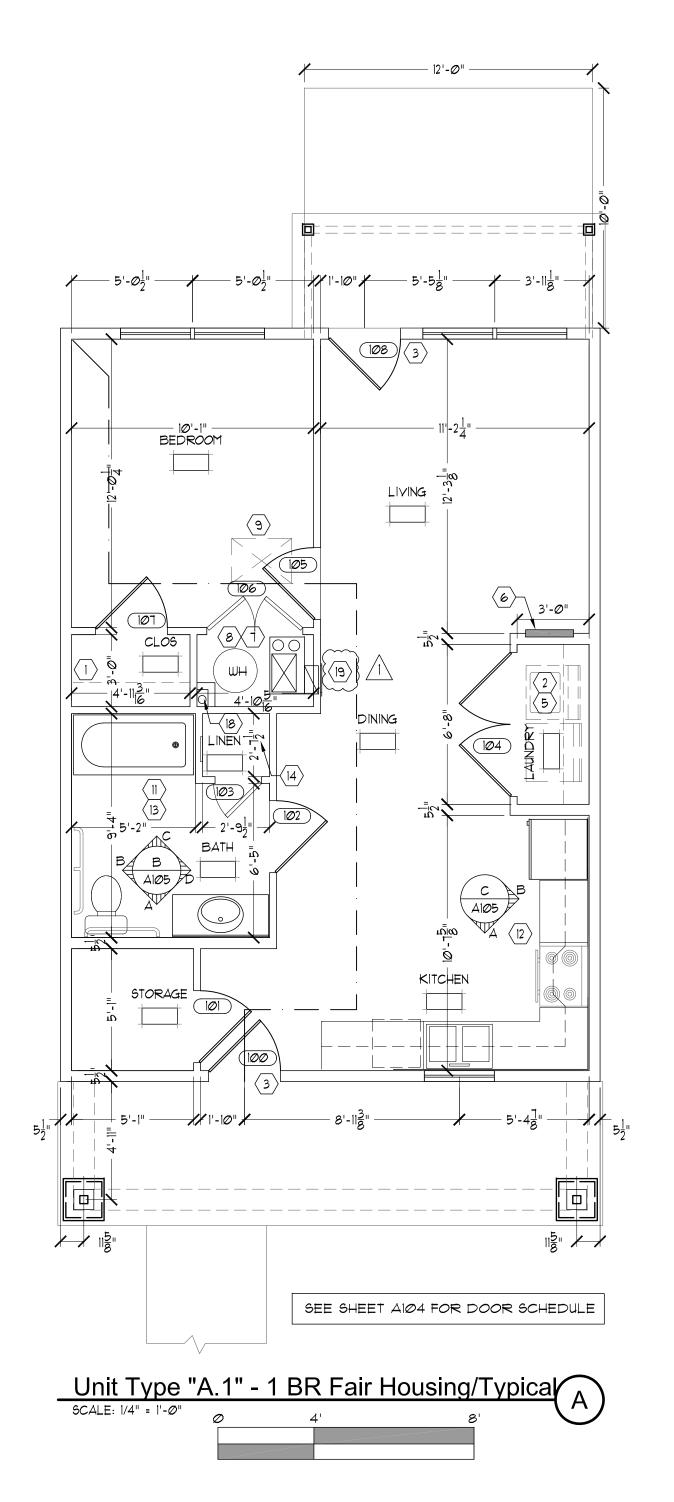


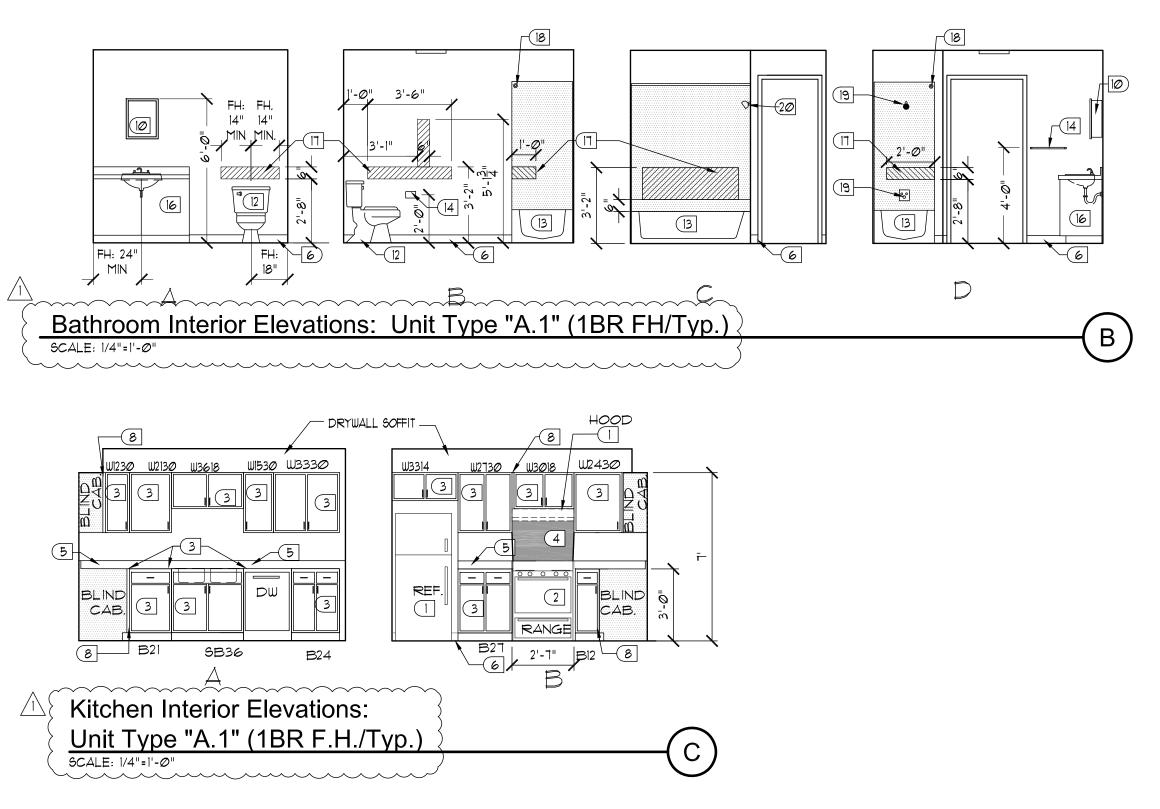


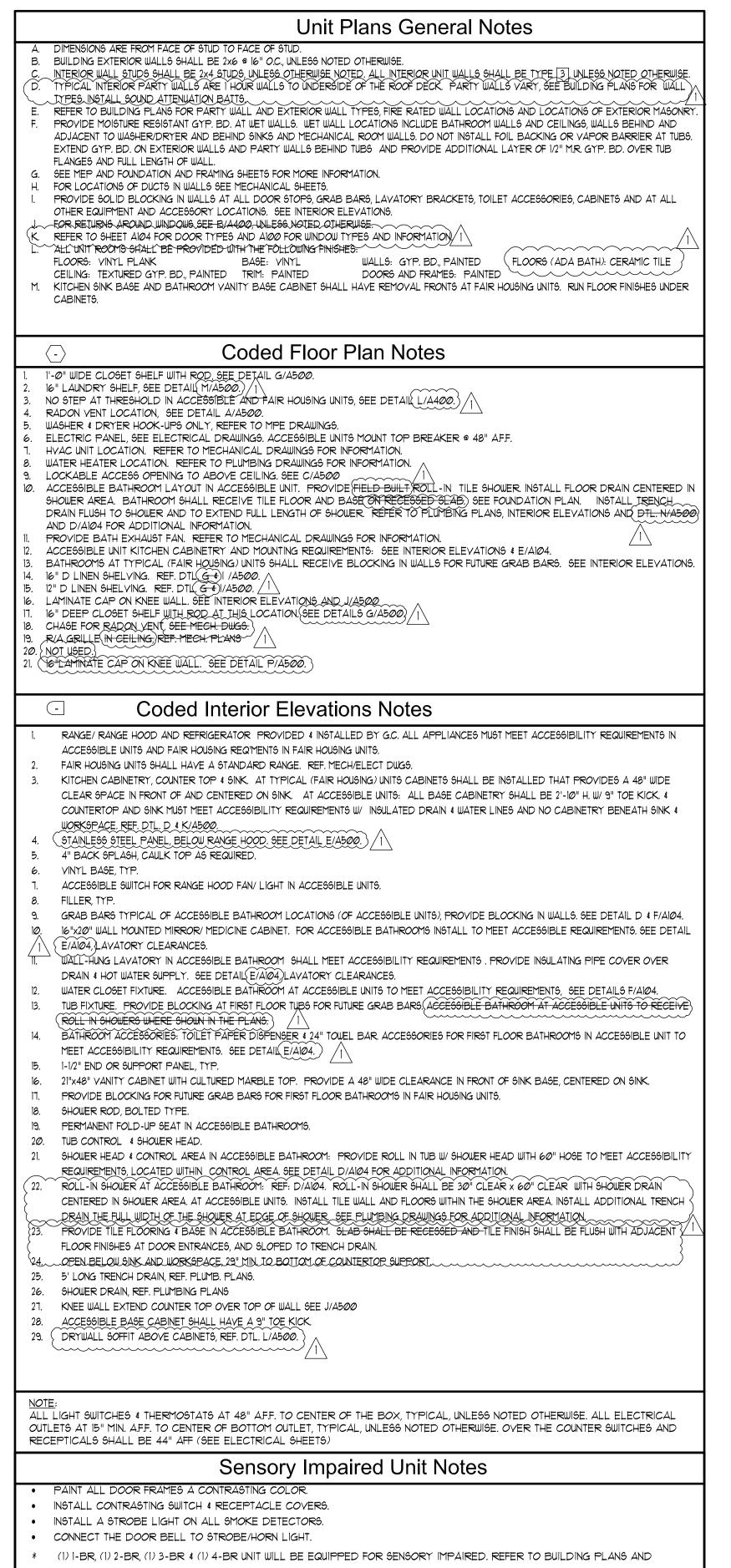


# AYLORA OF OF RCHITE REB 03 WIND HAVEN DR, STE 101 NICHOLASVILLE KY 40356 859.523.1500 REVISION | DATE ADDENDUM NO. 1 8/18/23 Permit Set 04/15/2023 PROJECT NUMBER MG SL DRAWN BY: RB, JH Plan Accessible $\geq$ Maysville, ding BR $\overline{}$ an , Yewr 4 Higt Type itto (10)Unit J S

SHEET NUMBER A104



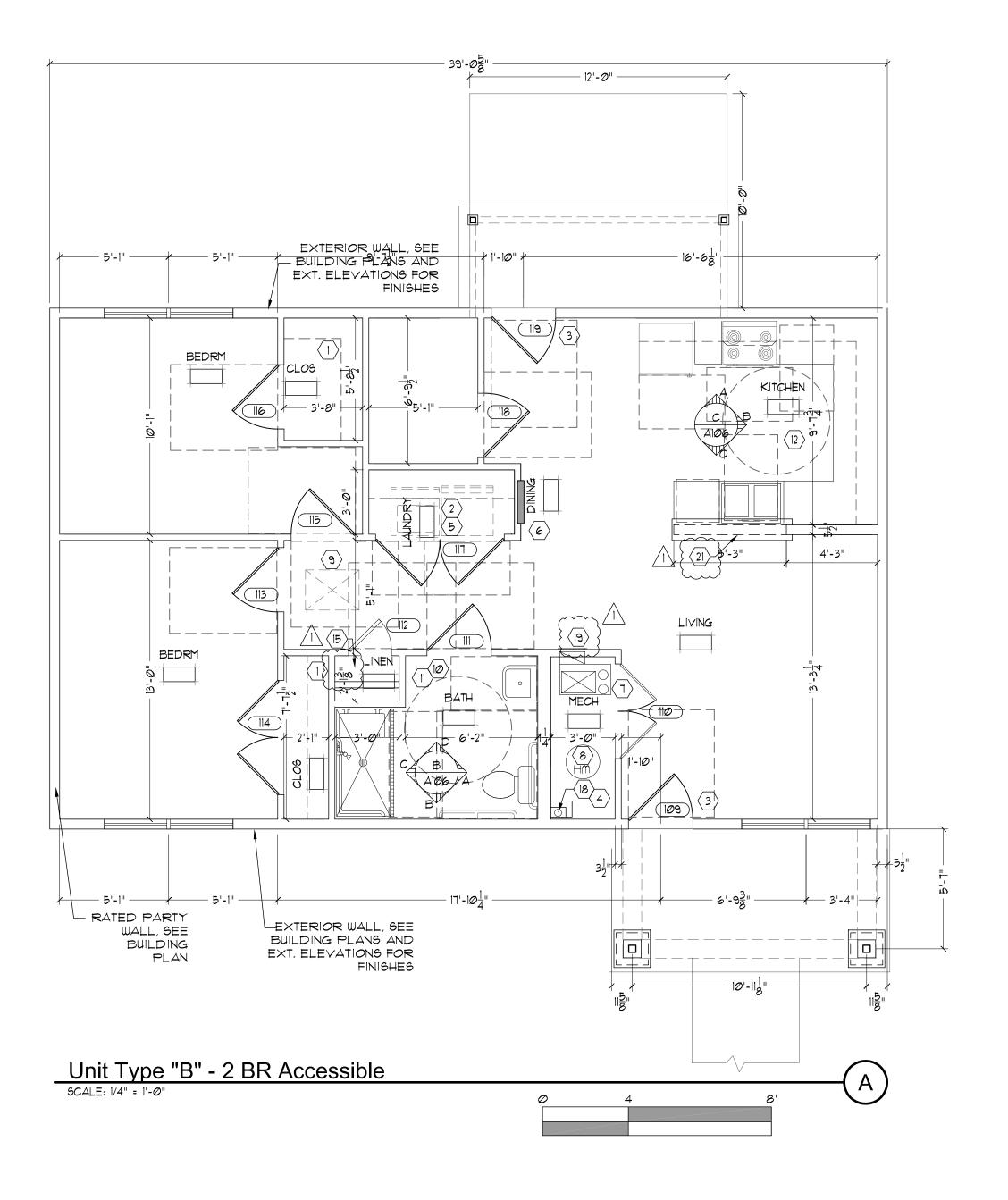


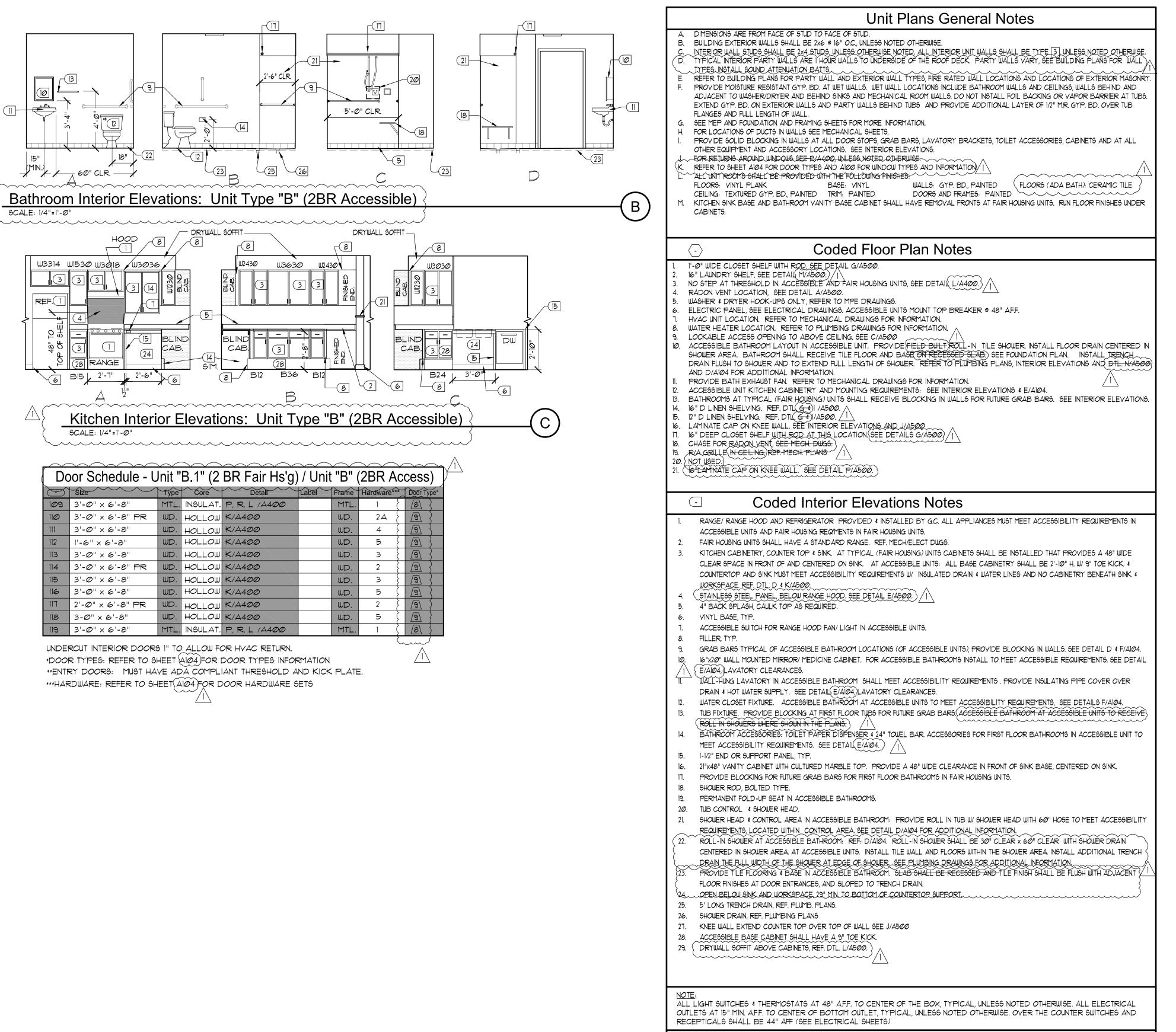


SITE PLAN FOR EXACT LOCATIONS.

## AYLORA TEN LOCK RCHITE REB 103 WIND HAVEN DR, STE 101 NICHOLASVILLE KY 40356 859.523.1500 REVISION | DATE ADDENDUM NO. 1 8/18/23 Permit Set 04/15/2023 PROJECT NUMBER MG SL DRAWN BY: RB, JH \_ypical Housing/T Fair $\geq$ /sville, BR ding May $\overline{\phantom{a}}$ 2 an , Yewr A" Type Higt utto (10)Unit 4 Z S







### Sensory Impaired Unit Notes

#### PAINT ALL DOOR FRAMES A CONTRASTING COLOR.

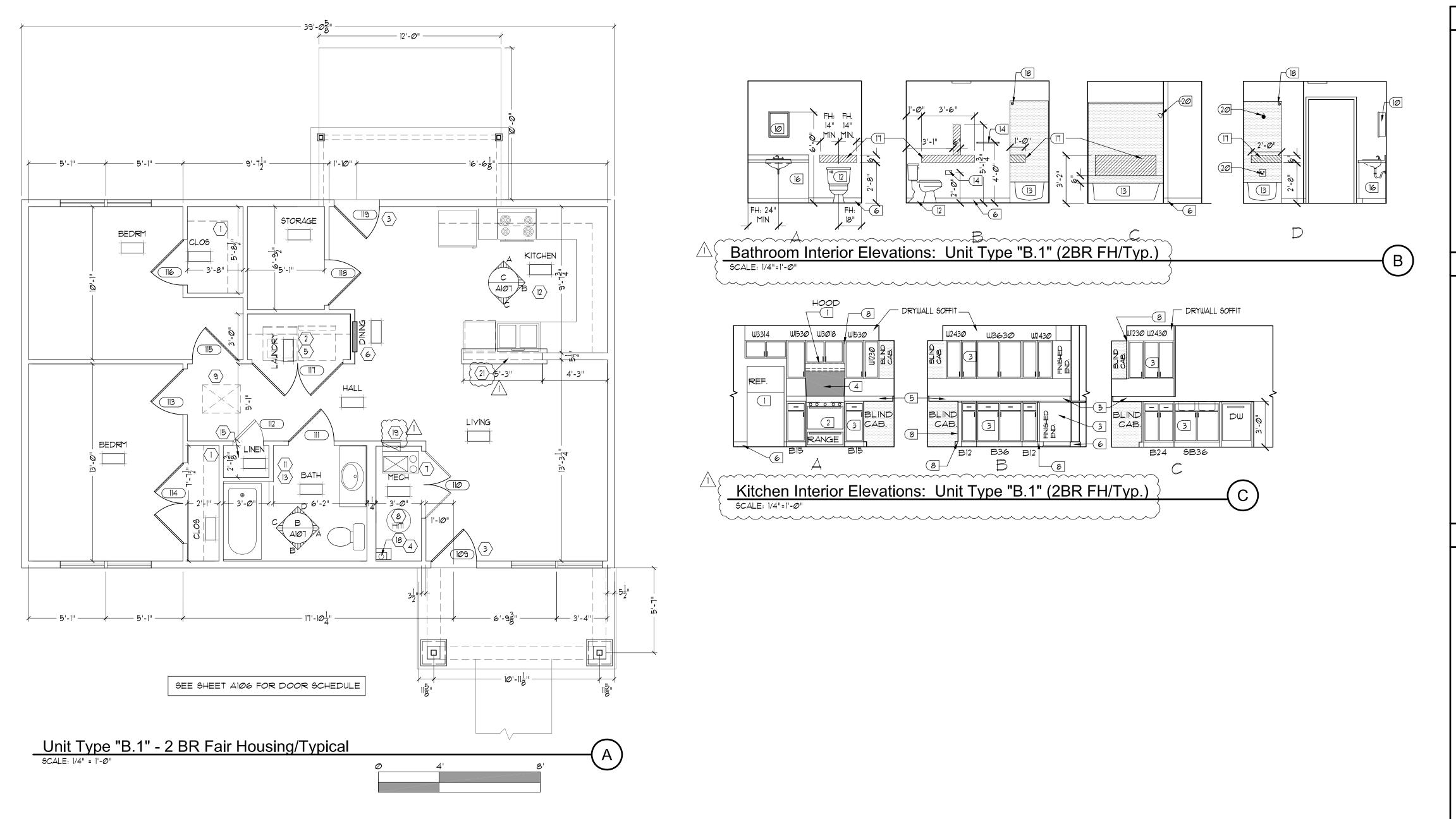
• INSTALL CONTRASTING SWITCH & RECEPTACLE COVERS. INSTALL A STROBE LIGHT ON ALL SMOKE DETECTORS.

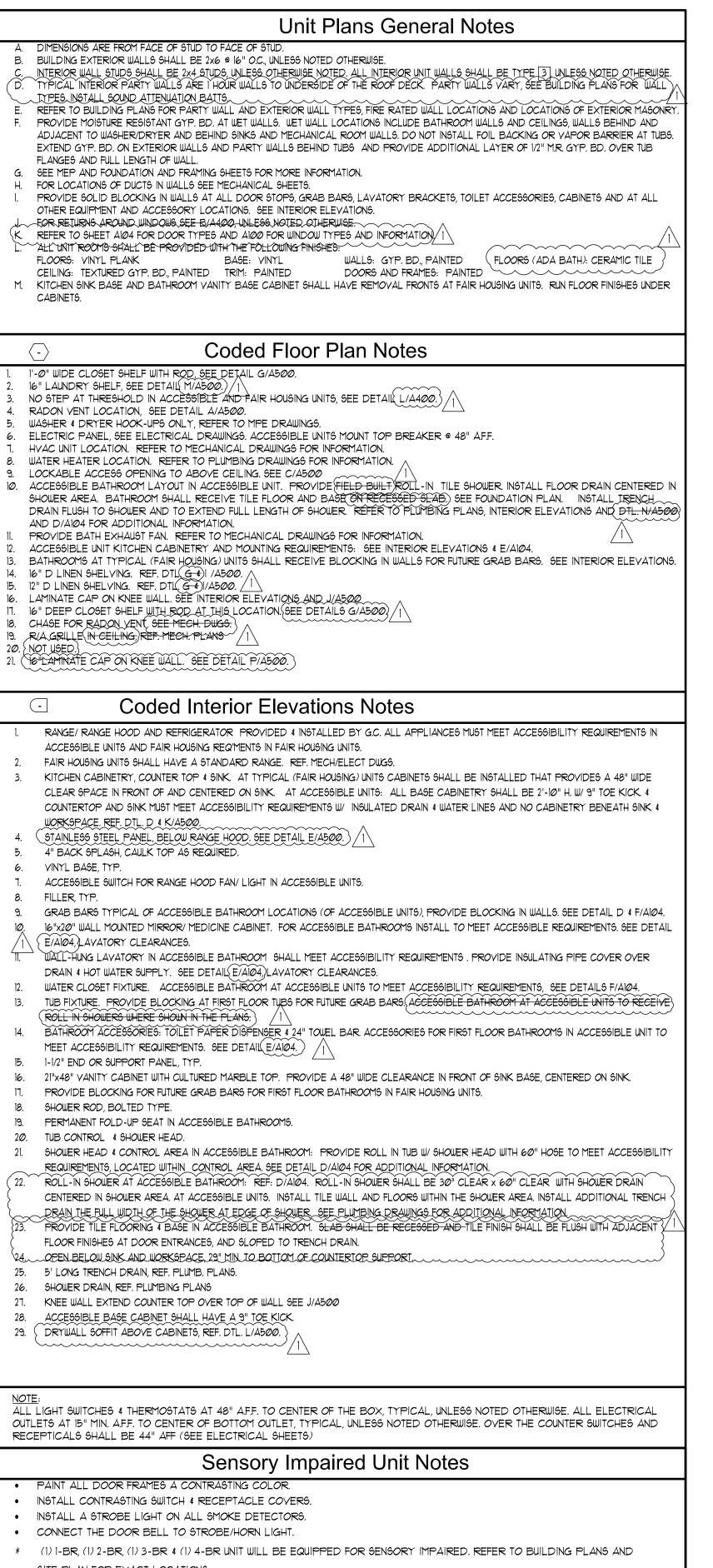
• CONNECT THE DOOR BELL TO STROBE/HORN LIGHT.

\* (1) 1-BR, (1) 2-BR, (1) 3-BR \$ (1) 4-BR UNIT WILL BE EQUIPPED FOR SENSORY IMPAIRED. REFER TO BUILDING PLANS AND SITE PLAN FOR EXACT LOCATIONS.

| IO3 WIND HAVEN DE<br>NICHOLASVILLE K<br>859.523.1500   | R, STE 101<br>Y 40356           |
|--|---------------------------------|
| REVISION<br>ADDENDUM NO. 1<br>Permit Set<br>04/15/202<br>PROJECT NUI<br>MG SL<br>DRAWN BY: R | 3<br>MBER                       |
| <b>Sutton Landing</b><br>AA (10) Highway, Maysville, KY                                      | Unit Type "B" - 2 BR Accessible |

| SHEET NUMBER |
|--------------|
| A106         |



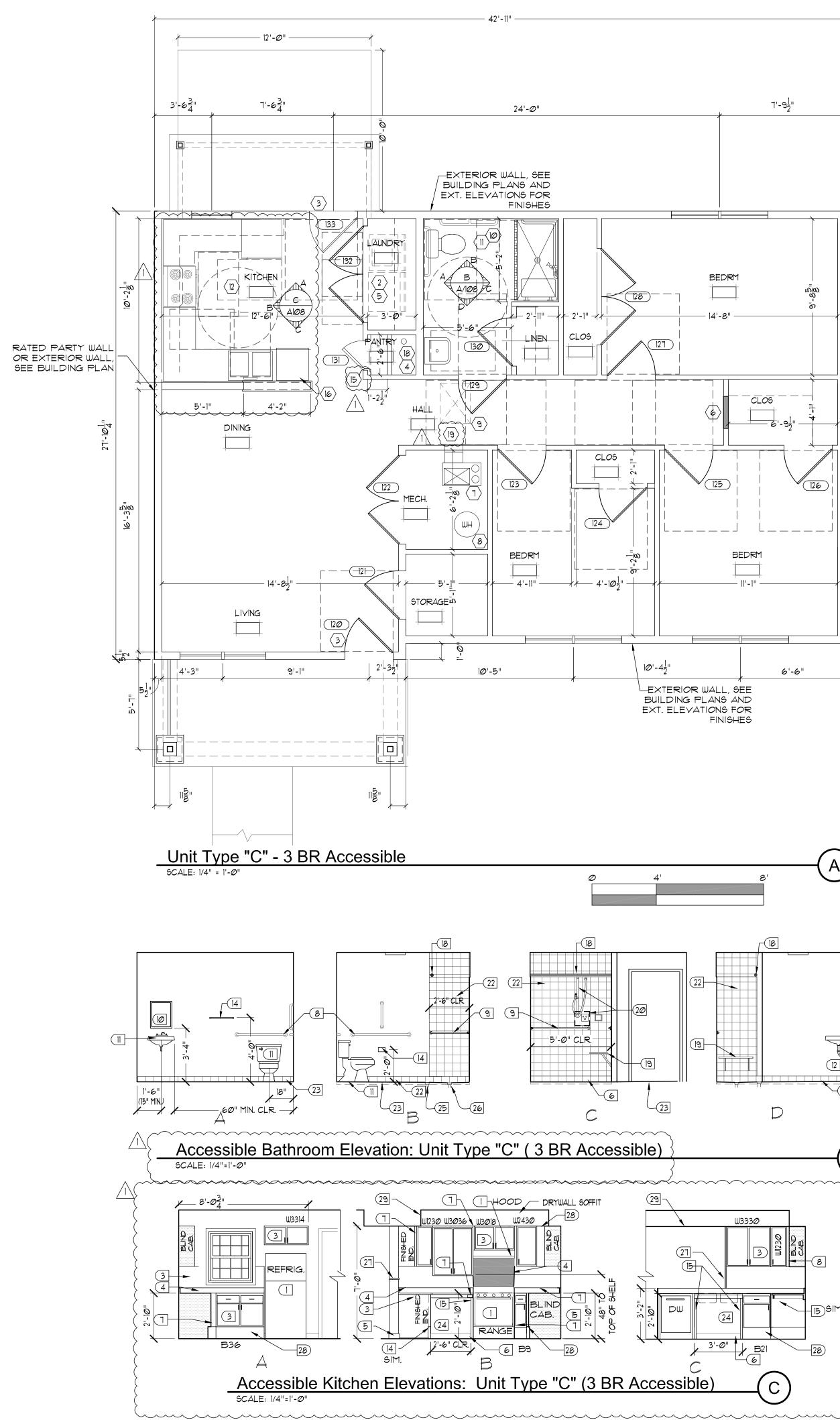


SITE PLAN FOR EXACT LOCATIONS.

|                | SION<br>NOUM NO. 1<br>Permit Set<br>14/15/202:<br>ECT NUN<br>MG SL | 3<br>MBER                                   |
|----------------|--|---|
| Sutton Landing | AA (10) Highway, Maysville, KY                                     | Unit Type "B.1" - 2 BR Fair Housing/Typical |

SHEET NUMBER

A10



| $\wedge$    | $\sim$           |                    | $\sim$ | $\sim$   | $\frown\frown\frown\frown$ |              | $\sim$ |                      |             |
|-------------|------------------|--------------------|--------|----------|----------------------------|--------------|--------|----------------------|-------------|
| <u> </u>    | Doc              | or Schedule -      | Uni    | t "C" (A | Access.) &                 | "C.1"        | (Fair  | <sup>·</sup> Hs'g) ( | (3 BR ) 🖡   |
|             | $\left( \right)$ | Size               | Туре   | Core     | Detail                     | Label        | Frame  | Hardware***          | Door Type** |
| $\wedge$    | 120              | 3'-0" x 6'-8"      | MTL.   | INSULAT. | P, R, L /A400              |              | MTL.   | 1                    | 8           |
| $\square$   | 121              | 3'-Ø" × 6'-8"      | WD.    | HOLLOW   | K/A4ØØ                     |              | WD.    | ŋ                    | <u>9</u>    |
|             | 122              | 2'-6" × 6'-8" (PR) | ۳D.    | HOLLOW   | K/A400                     |              | WD.    | 2A                   | 9           |
|             | 123              | 3'-Ø" x 6'-8" {    | WD.    | HOLLOW   | K/A4ØØ )                   | $  \land   $ | WD.    | ) 3                  | 9           |
| $\bigwedge$ | 124              | 3'-0" × 6'-8"      | ΰĎ.    | HOLLOW   | K/A4ØØ                     |              | Ĵ₽D.   | ъ                    | 9           |
|             | 125              | 3'-Ø" x 6'-8"      | WD.    | HOLLOW   | K/A400                     |              | WD.    | n                    | 9           |
|             | 126              | 3'-Ø" x 6'-8" {    | WD.    | HOLLOW   | K/A400 }                   |              | WD.    | ) 5                  | 9           |
|             | 127              | 3'-Ø" x 6'-8"      | WD.    | HOLLOW   | K/A400                     |              | UD.    | 3                    | 9           |
|             | 128              | 3'-Ø" x 6'-8" PR   | WD.    | HOLLOW   | K/A400                     |              | WD.    | 2                    | 9           |
|             | 129              | 3'-Ø" x 6'-8"      | WD.    | HOLLOW   | K/A4ØØ                     |              | WD.    | 4                    | 9           |
|             | 130              | 3'-Ø" x 6'-8"      | WD.    | HOLLOW   | K/A4ØØ                     |              | WD.    | ц                    | 9           |
|             | 131              | 1'-1Ø" × 6'-8"     | WD.    | HOLLOW   | K/A400                     |              | WD.    | ъ                    | 9           |
|             | 132              | 3'-Ø" × 6'-8" PR   | WD.    | HOLLOW   | K/A4ØØ                     |              | WD.    | 2                    | 9           |
|             | 133              | 3'-Ø" × 6'-8"      | WD.    | INSULAT. | K/A400                     |              | WD.    | 1                    | 8           |

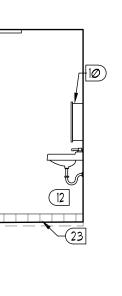
UNDERCUT INTERIOR DOORS I" TO ALLOW FOR HVAC RETURN.

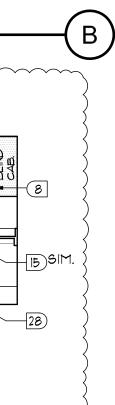
\*DOOR TYPES: REFER TO SHEET A104 FOR DOOR TYPES INFORMATION

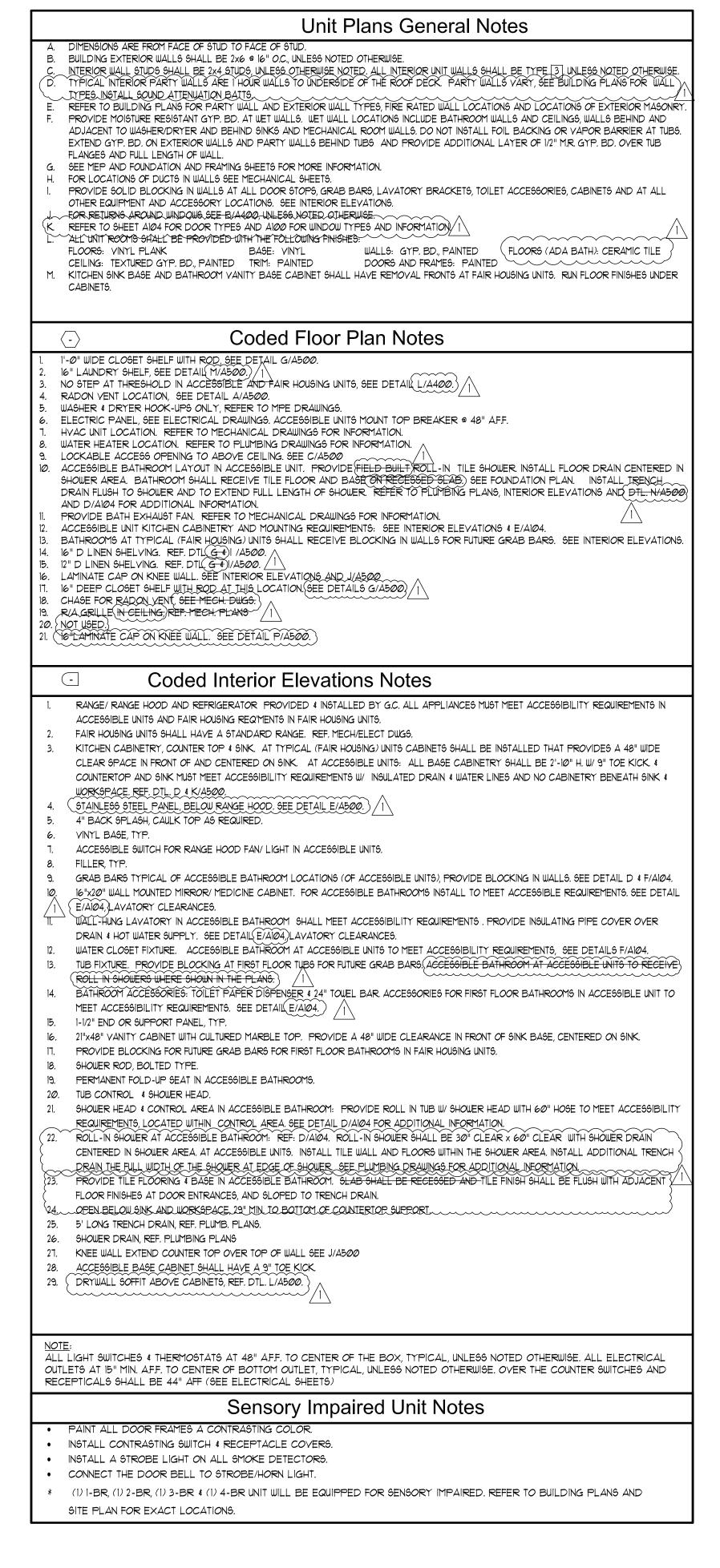
\*\*ENTRY DOORS: MUST HAVE ADA COMPLIANT THRESHOLD AND KICK PLATE.

\*\*\*HARDWARE: REFER TO SHEET (AIØ4) FOR DOOR HARDWARE SETS



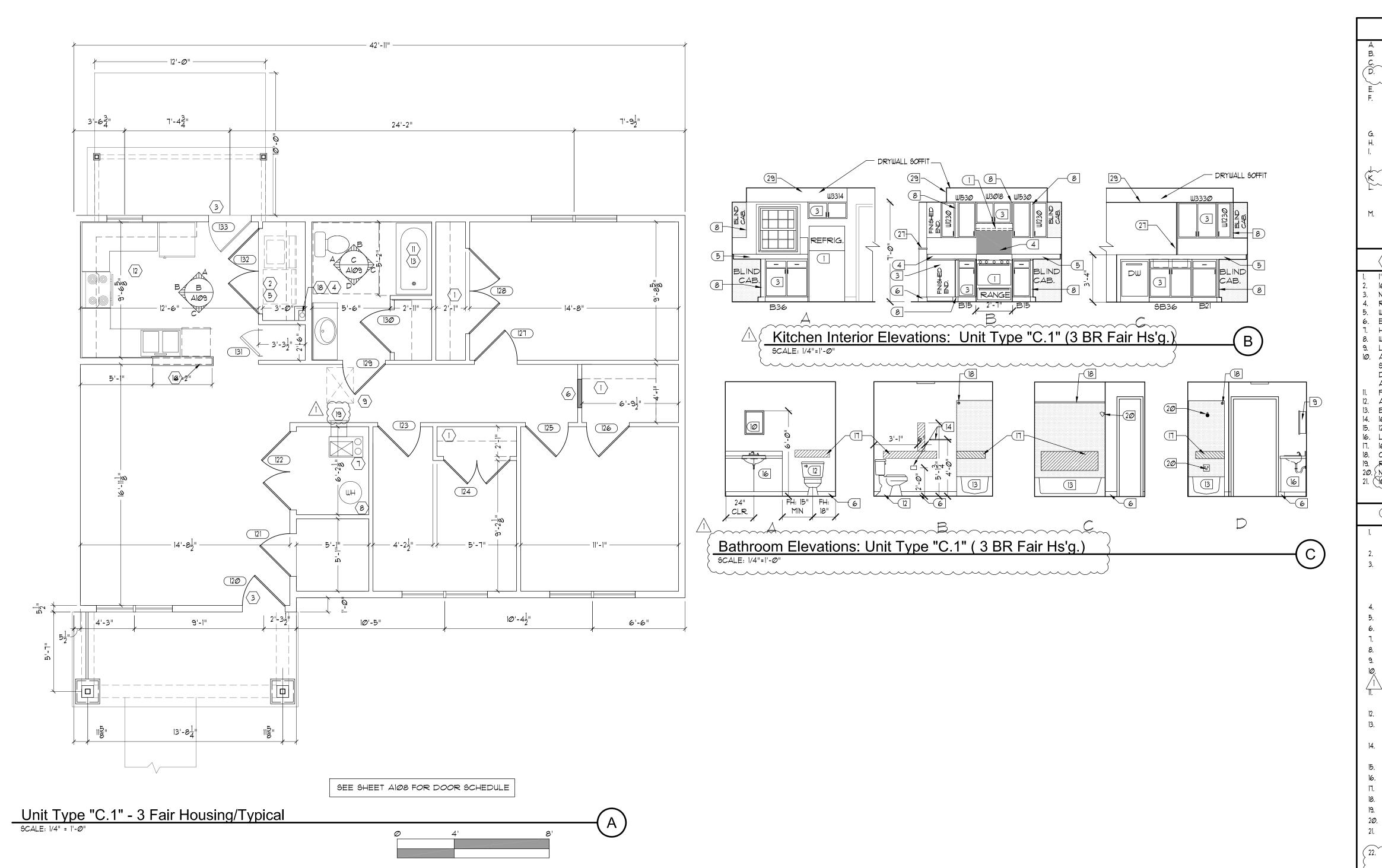


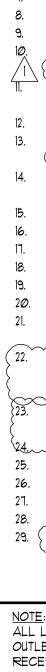




# AYLORA TEN LOCK RCHITE REB 103 WIND HAVEN DR, STE 101 NICHOLASVILLE KY 40356 859.523.1500 REVISION | DATE ADDENDUM NO. 1 8/18/23 Permit Set 04/15/2023 PROJECT NUMBER MG SL DRAWN BY: RB, JH Accessible $\overline{\Sigma}$ Maysville, ding ВR $\mathfrak{O}$ an , Yewr 0 L Hig Type utto (10)Unit S

SHEET NUMBER A108



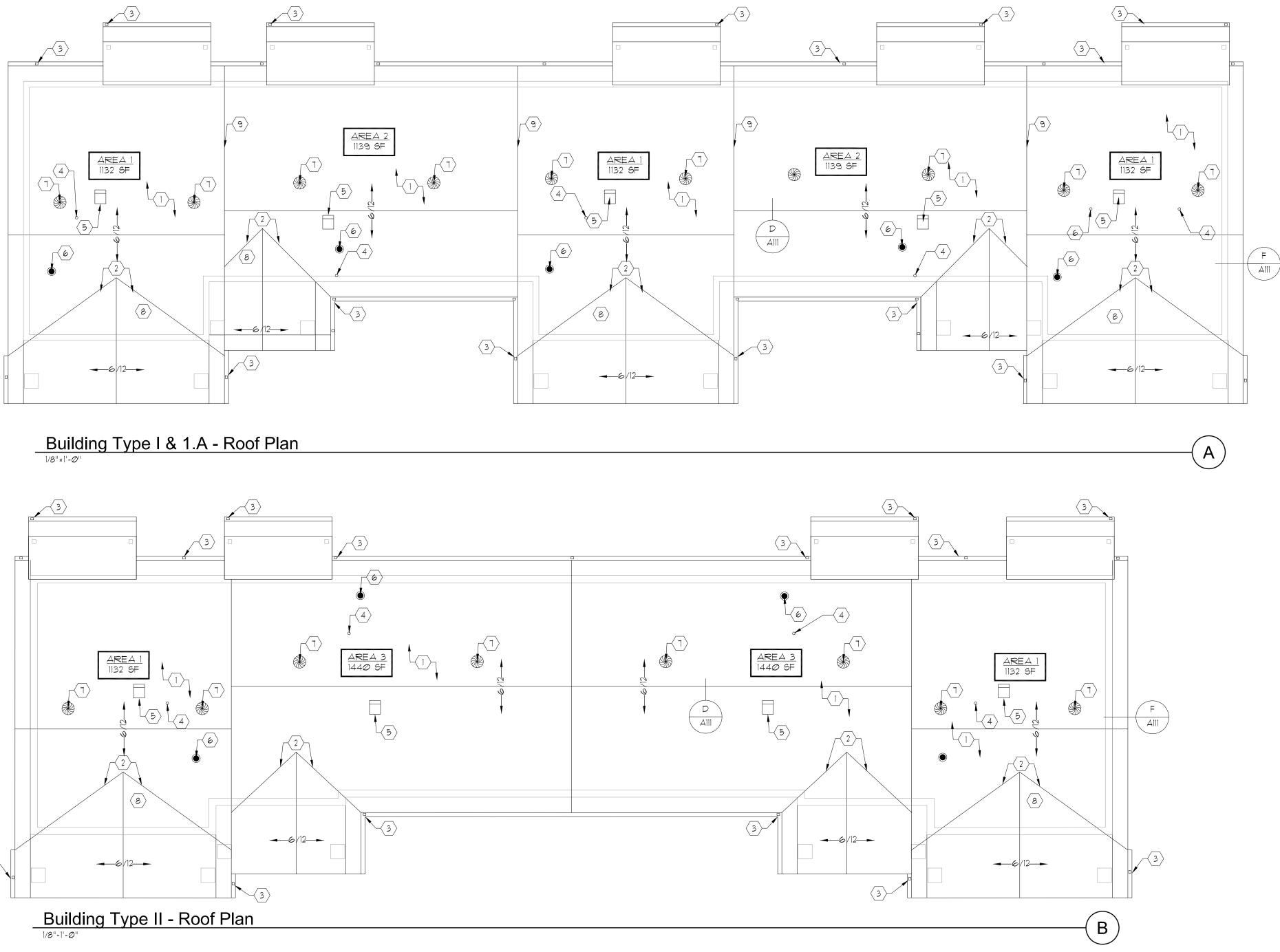


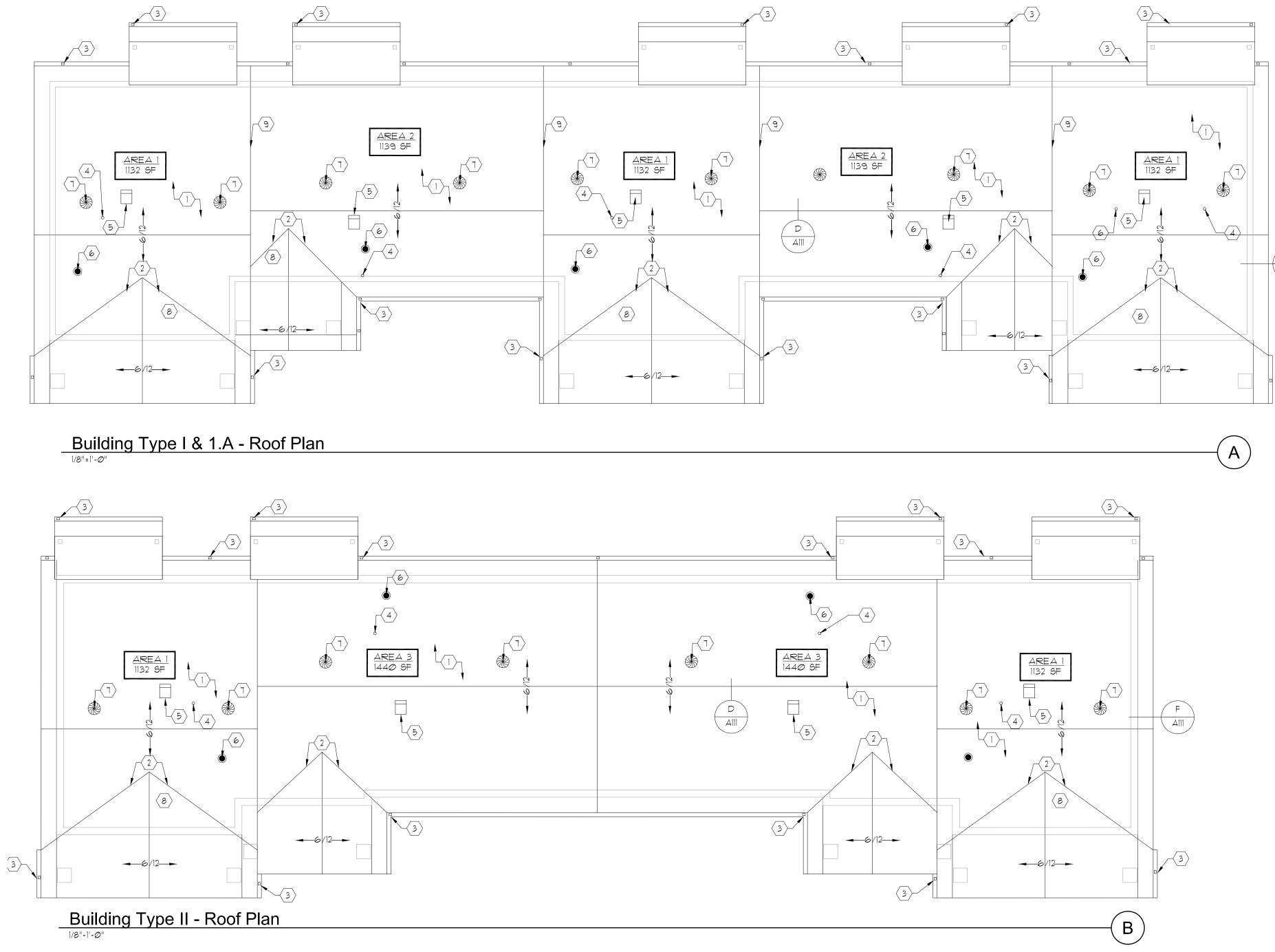
| Unit Plans General Notes   |   |
|--|---|
| <ul> <li>A. DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.</li> <li>B. BUILDING EXTERIOR WALLS SHALL BE 2x6 e 16" O.C., UNLESS NOTED OTHERWISE.</li> <li>C. INTERIOR WALLS SHALL BE 2x4 studs, UNLESS OTHERWISE NOTED ALL INTERIOR UNIT WALLS SHALL BE TYPE [3] UNLESS NOTED OTHERWISE.</li> <li>D. TYPICAL INTERIOR PARTY WALLS ARE I HOUR WALLS TO UNDERSIDE OF THE ROOF DECK PARTY WALLS VARY, SEE BUILDING PLANS FOR WALL<br/>TYPES. INSTALL SOUND ATTENUATION BATS.</li> <li>E. REFER TO BUILDING PLANS FOR PARTY WALL AND EXTERIOR WALL TYPES, FIRE RATED WALL LOCATIONS AND LOCATIONS OF EXTERIOR MASONRY.</li> <li>F. PROVIDE MOISTURE RESISTANT GYP. BD. AT WET WALLS WET WALL SOUND AND LOCATIONS OF EXTERIOR MASONRY.</li> <li>F. PROVIDE MOISTURE RESISTANT GYP. BD. AT WET WALLS WET WALL COM WALLS. DO NOT INSTALL FOLL BACKING, WALLS BEHIND AND<br/>ADJACENT TO WASHER/DRYTER AND BEHIND SINKS AND MECHANICAL ROOM WALLS. DO NOT INSTALL FOLL BACKING, WALPOR BARRIER AT TUBS.<br/>EXTEND GYP. BD. ON EXTERIOR WALLS AND PARTY WALLS BEHIND TUBS AND PROVIDE ADDITIONAL LAYER OF 1/2" MR GYP. BD. OVER TWB<br/>FLANGES AND FULL LENGTH OF WALL.</li> <li>G. SEE MEP AND FOUNDATION AND FRAMING SHEETS FOR MORE INFORMATION.</li> <li>H. FOR LOCATIONS OF DUCTS IN WALLS SEE MECHANICAL SHEETS.</li> <li>I. PROVIDE SOLID BLOCKING IN WALLS AT ALL DOOR STOPS, GRAB BARS, LAVATORY BRACKETS, TOILET ACCESSORIES, CABINETS AND AT ALL<br/>OTHER EQUIPMENT AND ACCESSORY LOCATIONS. SEE INTERIOR ELEVATIONS.</li> <li>J. ERETWISK-BROWING IN WALLS AT ALL DOOR STOPS, GRAB BARS, LAVATORY BRACKETS, TOILET ACCESSORIES, CABINETS AND AT ALL<br/>OTHER EQUIPMENT AND ACCESSORY LOCATIONS. SEE INTERIOR ELEVATIONS.</li> <li>J. FOR RETWISK-BROWING IN WALLS AT ALL DOOR STOPS, GRAB BARS, LAVATORY BRACKETS, TOILET ACCESSORIES, CABINETS AND AT ALL<br/>OTHER EQUIPMENT AND ACCESSORY LOCATIONS. SEE INTERIOR ELEVATIONS.</li> <li>J. CACHINT ROOMS SHALL BE PROVIDED WITHER AND BED OTHERWISE.</li> <li>K. KIEPER TO SHEET AND BAD ROAD DROWING INTERIOR TYPES AND INFORMATION.</li> <li>M. KITCHEN SINK BASE AND BATHROOM VANITY BASE CA</li></ul> | COMMONIVEALTH<br>STORE<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH<br>COMMONIVEALTH |
| Coded Floor Plan Notes   |   |
| <ol> <li>I'-Ø" WIDE CLOGET SHELF WITH ROD. SEE DETAIL G/A500.</li> <li>Io" LANDRY SHELF, SEE DETAIL M/A500.</li> <li>NO STEP AT THRESHOLD IN ACCESSIBLE AND FAIR HOUSING WITS, SEE DETAIL L/A400.</li> <li>RADON VENT LOCATION, SEE DETAIL A/A500.</li> <li>WASHER &amp; DRYTER HOOK-UPS ONLY, REFER TO MPE DRAWINGS.</li> <li>ELECTRIC PANEL, SEE ELECTRICAL DRAWINGS. ACCESSIBLE WITS MOUNT TOP BREAKER # 48" AFF.</li> <li>HVAC UNIT LOCATION, REFER TO PLUMBING DRAWINGS FOR INFORMATION.</li> <li>WATER HEATER LOCATION, REFER TO PLUMBING DRAWINGS FOR INFORMATION.</li> <li>UACKABLE ACCESS OPENING TO ABOVE CELLING. SEE C/A500</li> <li>ACCESSIBLE BATHROOM LAYOUT IN ACCESSIBLE UNIT. PROVIDE (FIELD BUILT FROLL-IN TILE SHOWER INSTALL FLOOR DRAIN CENTERED IN SHOURAR TOR SHOR TATION.</li> <li>ACCESSIBLE BATHROOM LAYOUT IN ACCESSIBLE UNIT. PROVIDE (FIELD BUILT FROLL-IN TILE SHOWER INSTALL FLOOR DRAIN CENTERED IN SHOULER AREA. BATHROOM SHALL RECEIVE TILE FLOOR AND BASE GYRERESSED CLAB. SEE FOUNDATION PLAN. INSTALL INSTALL TRENCH DRAIN FLUSH TO SHOWER AND TO EXTEND FULL LENGTH OF SHOWER. REFER TO PLUMBING PLANS, INTERIOR ELEVATIONS AND DT-INTERIOR THEORY AND DOINTING REQUIREMENTS: SEE INTERIOR ELEVATIONS AND DT-INTERIOR BLEVATIONS AND DT-INTERIOR ELEVATIONS AND DT-INTERIOR BLEVATIONS AND DT-INTERIOR BLEVATIONS.</li> <li>ACCESSIBLE UNIT KITCHEN CABINETRY AND MOUNTING REQUIREMENTS: SEE INTERIOR ELEVATIONS 4 E/AI04.</li> <li>BATHROOMS AT TYPICAL (FAIR HOUSING) UNITS SHALL RECEIVE BLOCKING IN WALLS FOR FUTURE GRAB BARS. SEE INTERIOR ELEVATIONS.</li> <li>IO" D LINEN SHELVING, REF. DTL G + I/A500.</li> <li>IO" D LINEN SHELVING, REF. DTL G + I/A500.</li> <li>IO" D LINEN SHELVING, REF. DTL G + I/A500.</li> <li>IO" D LINEN SHELVING, REF. DTL G + I/A500.</li> <li>IO" D LINEN SHELVING, REF. DTL G + I/A500.</li> <li>IO LINEN SHELVING, REF. DTL G + I/ANDRO.</li> <li>IO LINEN SHELVING, REF. DTL G + I/ANDRO.</li> <li>IO LINEN SHELVING, REF. DTL G + I/ADDO.</li> <li>IO L</li></ol>   |   |
| 21. (Tél LAMINATE CAP ON KNÉE WALL, SEE DÉTAIL P/4500.)  |   |
| Cocked Interior Elevations Notes     Ander Rawde Hood AND REINBERGING HONDED INSTALLED BY GC ALL APPLIANCES MUST HEET ACCESSIBLETY REQUEREMENTS IN ARX HOUSING UNITS     ANDER RAWGE HOOD AND REINBERGING HONDEN IN HARE HOUSING UNITS     FAIR HOUSING UNITS AND FAR HOUSING REINBENTS IN HARE HOUSING UNITS     FAIR HOUSING UNITS AND FAR HOUSING REINBENTS IN HARE HERE HEERLELED TUAG     KITCHIN CARTERY COUNTRE TO 4 NOR AT THECAL (FAIR HOUSING UNITS     CARTERY COUNTRE TO 4 AND CHIERED ON SINK AT THECAL (FAIR HOUSING UNITS     CARTERY THE HACE BEEN THE HACE BEEN THE HACE BEEN UNDE     CLEAR SPACE IN FRONT OF AND CHIERED ON SINK AT ACCESSIBLE UNITS. ALL EASE CARMETER HALL BE 1-0° H LUP '10° K CK +     COMMENTED AND SIN THEFT ACCESSIBLE THE REAL REGISTRY BUL HERE ALCEBORY     STANLESS THEET PACE BEEN FARME HOOD SAVE LINE ALL ESABORY     STANLESS THEET PACE BEEN FARME HOOD SAVE LINE ALL ESABORY     VINT BASE THE!     ACCESSIBLE BUTCH ROR FROME HOOD FAV LIGHT IN ACCESSIBLE UNITS.     FULLER TYP     GRAD BEEN FARME HOOD FAV LIGHT IN ACCESSIBLE UNITS.     FULLER TYP     GRAD BEEN FORLE LOT ANGE FROMENCIE CLEAREN CE     MUST BULL, HOUND INNERDIN RENOWN ENDINE CLEARANCES     MULTER ALL HOUND INNERDIN RENOWN ECOLOGIANUS (F ACCESSIBLE UNITS.) PROVIDE BLOCKING IN MALLS BEE DETAIL D + FAIRA4     BINDE MALL HOUND INNERDIN RENOWN E CLEAREN CESSIBLE UNITS.)     FORM IN THE MACESSIBLE BATHROOM INCLEARANCES     MULTER CHIEFY SEE TOTALE ACCESSIBLE BATHROOM SINGLE UNITS IN RECURPTIONS. REOVIDE NOLATING INFORMED REPORT     MAREY AUTORY IN ACCESSIBLE BATHROOM SINGLE UNITS.)     MULTER CHIEFY AND ALL THE HALT HOUND INFORM PROVIDE BLOCKING IN MALLS BEE DETAIL D + FAIRA4     MULTER CHARTER MAREY AND ALCOREGINEE BATHROOM SINGLE AND ALCE SEGNER FOR FIRST F. DORE BATHROOM SINGLE BATHROOM SINGLE BATHROOM SINGLE AND ALCE SEGNER FOR FIRST F. DORE BATHROOM SINGLE BATHROOM  | REVISION DATE   ADDENDUM NO. 1 Ø/IB/23   Ø/ID/23 Ø/IB/23   Permit Set 04/15/2023 PROJECT NUMBER MG SL DRAWN BY: RB, JH IDRAWN BY: RB, JH  |
| NOTE:<br>ALL LIGHT SWITCHES & THERMOSTATS AT 48" AFF. TO CENTER OF THE BOX, TYPICAL, UNLESS NOTED OTHERWISE. ALL ELECTRICAL<br>OUTLETS AT IS" MIN. AFF. TO CENTER OF BOTTOM OUTLET, TYPICAL, UNLESS NOTED OTHERWISE. OVER THE COUNTER SWITCHES AND<br>RECEPTICALS SHALL BE 44" AFF (SEE ELECTRICAL SHEETS)<br>PAINT ALL DOOR FRAMES A CONTRASTING COLOR.<br>NISTALL CONTRASTING SWITCH & RECEPTACLE COVERS.<br>NISTALL A STROBE LIGHT ON ALL SMOKE DETECTORS.<br>CONNECT THE DOOR BELL TO STROBE/HORN LIGHT.<br>* (1) 1-BR, (1) 2-BR, (1) 3-BR & (1) 4-BR UNIT WILL BE EQUIPPED FOR SENSORY IMPAIRED. REFER TO BUILDING PLANS AND<br>SITE PLAN FOR EXACT LOCATIONS.  | <b>Sutton Landing</b><br>AA (10) Highway, Maysville,<br>Unit Type "C.1" - 3 Fair  |

### Sensory Impaired Unit Notes

# SHEET NUMBER A109

Unit Type





### Roof Plan General Not

- A. \*\*VENTILATOR QUANTITY CALCULATIONS ARE BASE MANUFACTURERS VENTILATION SELECTION GUIDE. " B. ROOF TOP TURBINE VENTILATORS TO BE SPACED TYPICAL DISTANCE APART AT 24" BELOW CENTE
- RIDGE OR DRAFTWALL REFER TO MANUFACTURER'S SPECIFICATIONS. C. REFER TO SHEET AIII FOR ROOF PLAN DETAILS. D. REFER TO MPE DRAWINGS FOR ALL VTR AND ROOF
- PENETRATION DRAWINGS AND DETAILS. E. FOR OVERHANG DIMENSIONS REFER TO WALL SECT STARTING AT SHEET A300.
- F. REFER TO WALL SECTIONS FOR INFORMATION ON R. NON RATED SOFFITS AND EXTERIOR PORCH CEILIN STARTING AT SHEET A300.
- G. PROVIDE DRAFTSTOP IN ATTIC, WITH 2x FRAMING @ MAX. AND 1/2" GYP. BD. AS REQ'D. SEAL ALL PE PROVIDE ACCESS OPENINGS TO EACH COMPARTN DRAFTSTOP W/ PARTY WALLS BELOW IN LOCATION ON THE ROOF PLAN. REF. WALL SECTIONS FOR AL

INFORMATION STARTING AT SHEET A300.

### Ventilation Calculat

<u>AREA 1: 1132 SF - DRAFTSTOF</u> VENTILATION REQ'D: | |150 (₩/ VAPOR BARRIER)= & |132 x 0.0066=7.4 SF 3.7 SF @ VENTILATORS 3.7 SF REQ'D @ SOFFIT VENTILATION PROVIDED: SOFFIT - 10 SI/ 144 SI (1 SF)=0 135 SF SOFFIT × 0.06944= 9.3 STATIC EXHAUST VENT = .35 SF AREA 2: 1139 SF - DRAFTSTO VENTILATION REQ'D: | 150 (W/ ∨APOR BARRIER)= Ø: |138 × Ø.ØØ66=1.5 SF 3.6465 SF @ VENTILATORS

3.6465 SF REQ'D @ SOFFIT VENTILATION PROVIDED:

SOFFIT - 10 SI/ 144 SI (1 SF)=0 124,09 SF SOFFIT x 0.06944= WHIRLYBIRD VENTILATORS B

| otes   | Roof Plan   | Coded Notes  | Symbol Legend   | TAYLOR ALL   |
|--|---|--|---|--|
| AGED ON<br>E. "LOMANCO"<br>ED AT EQUAL<br>VTERLINE OF<br>ER'S<br>OOF<br>ECTIONS<br>N RATED AND<br>ILINGS<br>G @ 24" O.C.<br>PERIMETERS.<br>RTMENT.ALIGN<br>TIONS SHOWN<br>E ADDITIONAL | <ul> <li>ON SHEET AIII FOR ,</li> <li>2. ROOF VALLEY. SEE</li> <li>3. ALUMINUM GUTTER A</li> <li>4. RADON VENT, TYP.</li> <li>5. BATHROOM EXHAUS</li> <li>6. VENT THRU ROOF, S</li> <li>1. ROOF TURBINE VEN<br/>E/AIII</li> <li>8. PROVIDE OPENING</li> </ul> | AND DOWNSPOUL<br>SEE DETAIL A/A500 &C/AIII.<br>ST VENT ON ROOF, TYP.<br>EE DETAIL C/AIII<br>TILATOR, TYP. SEE DETAIL<br>THROUGH SHEATHING FOR<br>PORCH ROOF TO ROOF BELOW. | <ul> <li>NEW PLUMBING VTR</li> <li>NEW RADON VENT</li> <li>NEW MECHANICAL<br/>VENT</li> <li>NEW WIND<br/>TURBINE</li> </ul> | REBB<br>ARCHITECTS<br>103 WIND HAVEN DR, STE 101<br>NICHOLASVILLE KY 40356 |
|  |   |  |   | 859.523.1500   |
| ations - Buil  | ding Type I & 1.A   | Ventilation Calcula  | ations - Building Type I  | I  |
| OPPED  |   | AREA 1: 1132 SF - DRAFTSTO   | DPPED   |  |
| 0.0066   |   | VENTILATION REQ'D:<br>$\frac{1}{150}$ (W/ VAPOR BARRIER)=<br>1132 × 0.0066=1.4 SF<br>3.1 SF @ VENTILATORS<br>3.1 SF REQ'D @ SOFFIT<br>VENTILATION PROVIDED                 | 0.0066  |  |
| )= <i>0.0</i> 69444  |   | VENTILATION PROVIDED:<br>SOFFIT - 10 SI/ 144 SI (1 SF)   |   |  |
| 9.3 SF<br>SF EA = 2 VENT   |   | 135 SF SOFFIT × 0.06944= 9<br>STATIC EXHAUST VENT = .35 S  |   |  |
|  |   | AREA 3: 1165 SF - DRAFTST<br>VENTILATION REQ'D:  | OPPED   |  |
| 0.0066   |   | <br> 150 (W/ VAPOR BARRIER)=<br> 165 × 0.0663=7.689 SF   | 0.0066  |  |
| -  |   | 3.8445 SF @ VENTILATORS<br>3.8445 SF REQ'D @ SOFFIT  |   |  |
| )=0.069444   |   | VENTILATION PROVIDED:<br>SOFFIT - 10 SI/ 144 SI (1 SF)   | =0.069444   |  |
| 4= 12,15 SF  |   | 124.15 SF SOFFIT × 0.06944   | = 8.6624 SF   |  |

| <b>Sutton Landing</b><br>AA (10) Highway, Maysville, KY<br>Building Roof Plans | ~ |        | C |
|--|---|--------|---|
| vay, N<br>Roof F   |   | -an    |   |
|  |   | vay, N |   |
|  |   |        |   |
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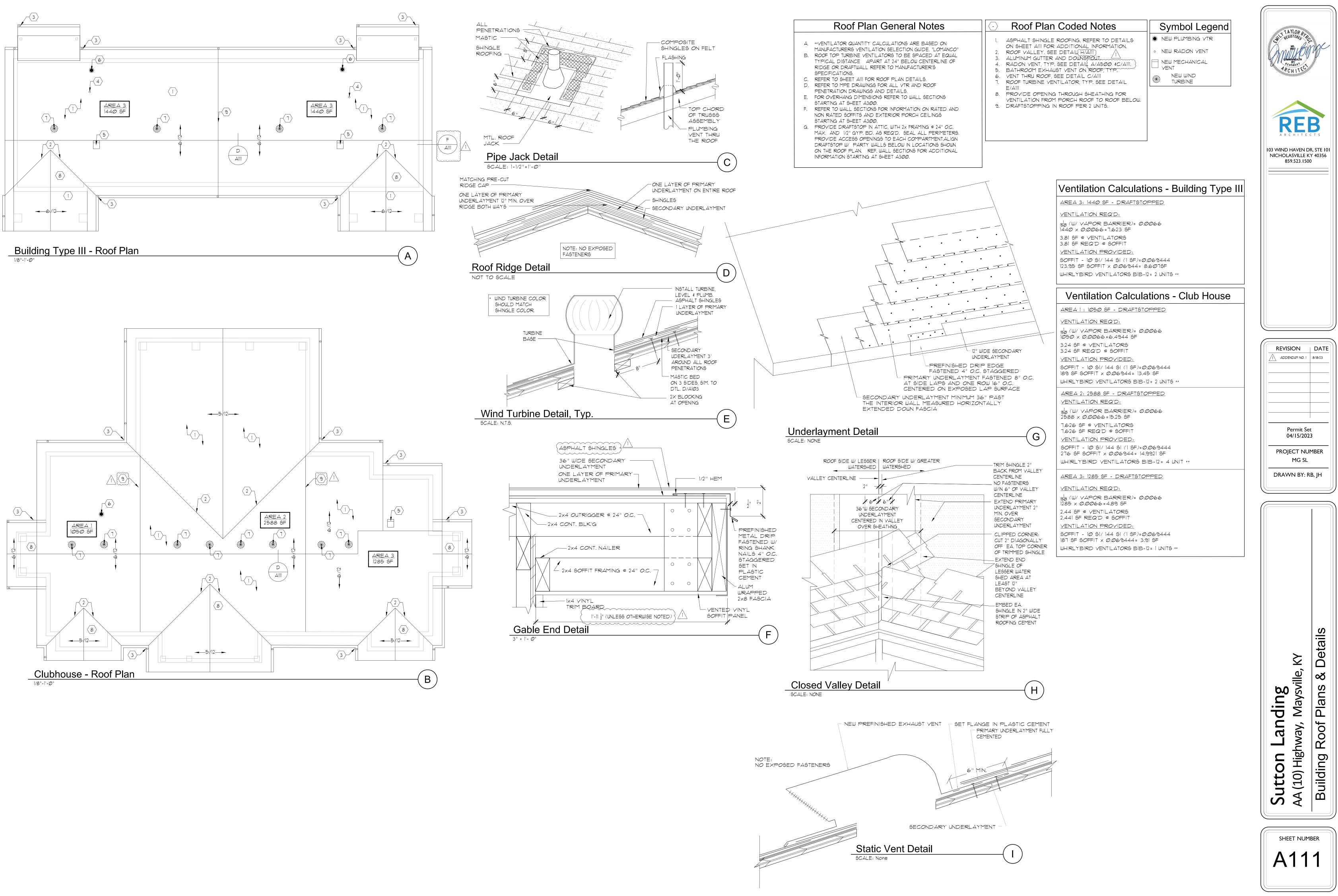
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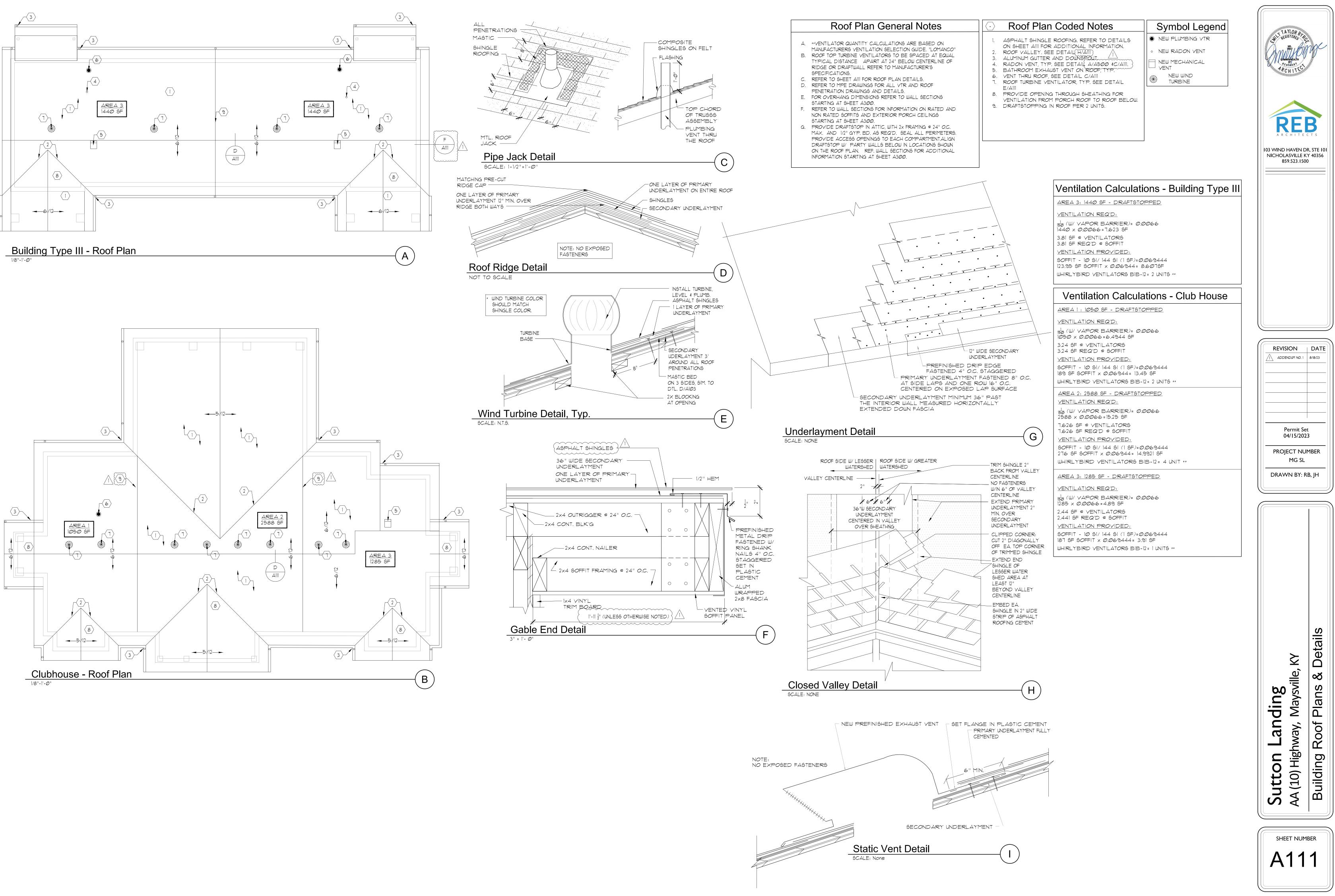
04/15/2023

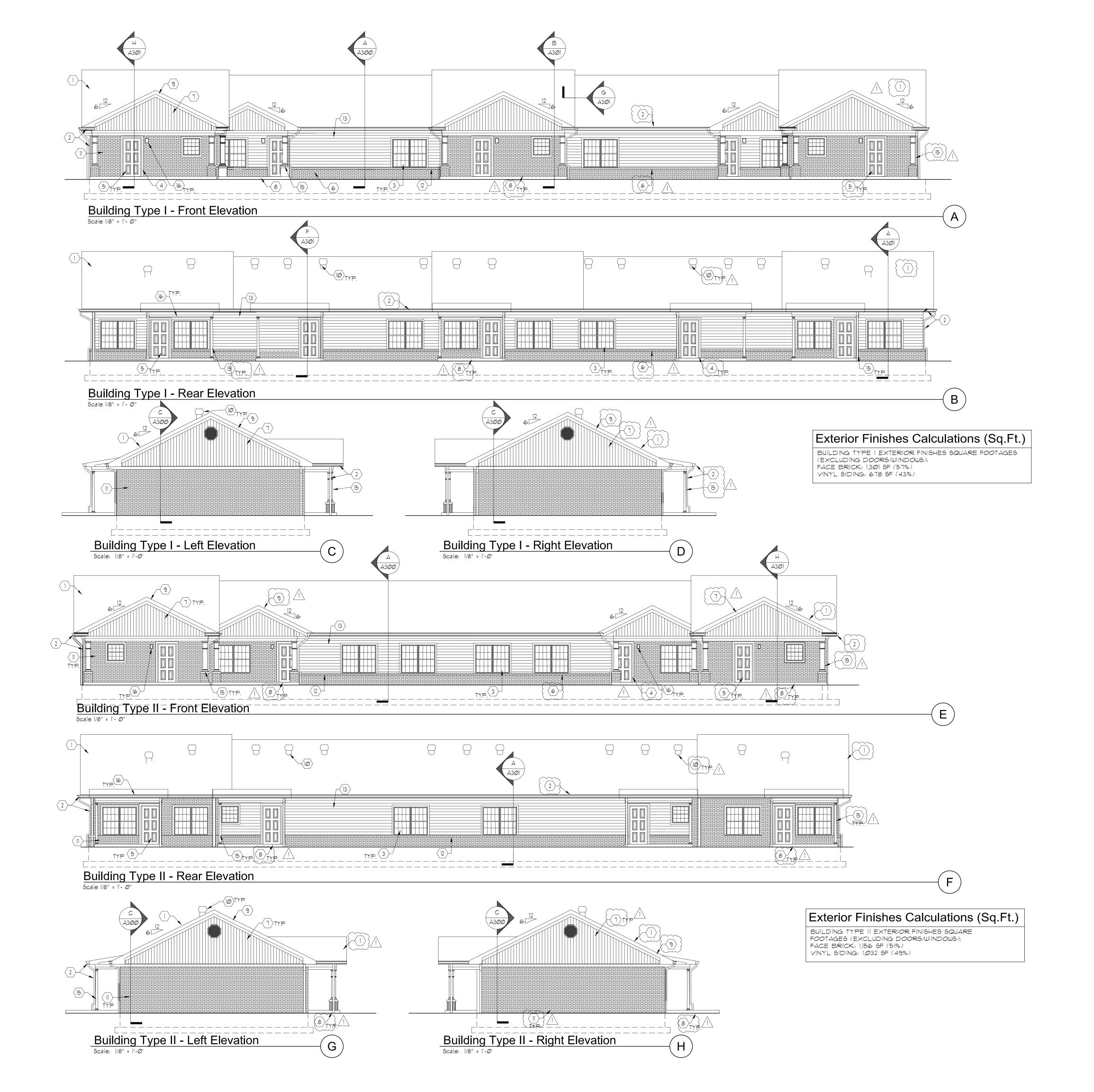
PROJECT NUMBER MG SL

DRAWN BY: RB, JH



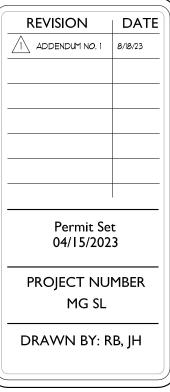






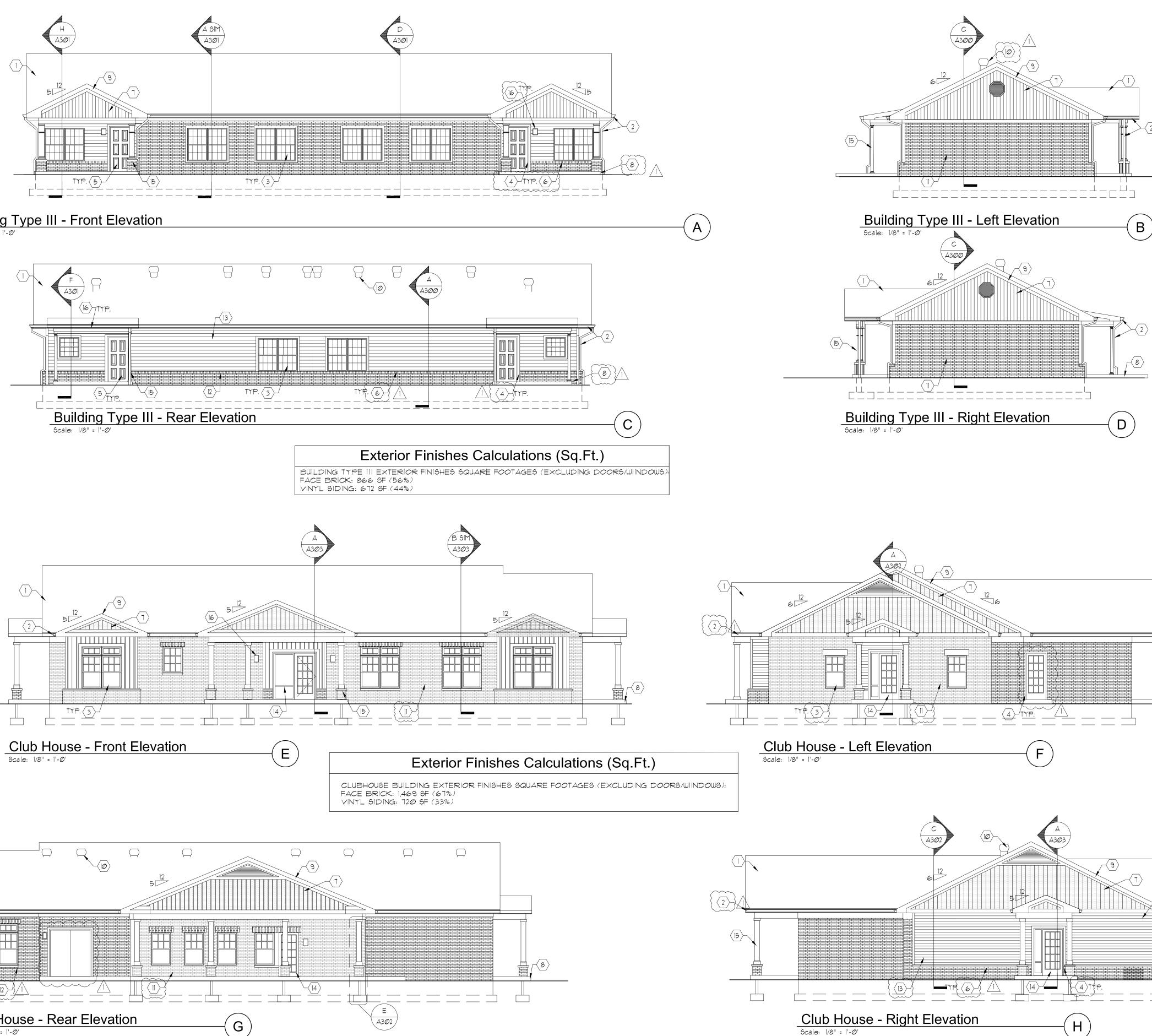
- **General Notes** A. DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.B. EXTERIOR WALL STUDS SHALL BE 5 1/2", UNLESS OTHERWISE NOTED. C. INTERIOR WALL STUDS SHALL BE 3 1/2", UNLESS OTHERWISE NOTED. D. TYPICAL INTERIOR PARTY WALL SHALL BE 8" THICK- (2) 2×4 STUD WALLS W/ I" AIR GAP. INSTALL SOUND ATTENUATION BATTS , UNLESS OTHERWISE NOTED. REFER TO UNIT PLANS FOR LOCATIONS OF DOOR AND WINDOW OPENINGS REFER TO UNIT PLANS FOR ADDITIONAL DIMENSIONS. G. SEE UNIT PLANS FOR LOCATION OF RADON VENTING. H. SEE UNIT PLANS FOR LOCATION OF ATTIC ACCESS. STORAGE AREAS: REFER TO DOOR SCHEDULE & FINISH SCHEDULE ON SHEETS A109 FOR DOOR AND ROOM FINISH INFORMATION. SEE DETAIL A/A301 FOR FRAMING OF EXTERIOR WALLS FOR ENERGY RATINGS. K. INSTALL FIRE CODE DRYWALL AND ADDITIONAL LAYER OF  $\frac{1}{2}^{\prime\prime}$  water resistant gypsum board behind tubs. When located on party wall. Exterior Elevation Coded Notes ASPHALT SHINGLE ROOFING, TYP. SEE ROOF PLANS. - COLOR - WEATHERED WOOD ALUMINUM GUTTER & DOWNSPOUTS, SEE ROOF PLANS, VINTL WINDOW, TTP. ALUMINUM-FACED TRIM, TYP. COLOR WHITE METAL DOOR, TYP. COLOR WHITE BRICK WAINSCOT WITH ROWLOCK CAP, TYP. VERTICAL VINYL SIDING.
- CONCRETE PORCH STOOP, COORDINATE STOOP HEIGHT, GRADING & SIDEWALK, PROVIDE LEVEL CONDITIONS AT ALL UNITS.
   METAL FASCIA SEE POOE PLANS
- 9. METAL FASCIA, SEE ROOF PLANS.
  10. WIND TURBINE, SEE ROOF PLANG FOR ADDITIONAL INFORMATION.
- 11. FACE BRICK, FULL HEIGHT.
- FULL ROWLOCK SILL, TYP.
   HORIZONTAL VINYL SIDING.
- 14. FULL-LITE GLASS ENTRANCE DOOR. SEE SCHEDULE FOR
- ADDITIONAL INFORMATION.
- 15. 6" FIBER GLASS COLUMN.16. EXTERIOR LIGHT, BUILDING-MOUNTED, SEE ELECTRICAL PLANS.
- PL4



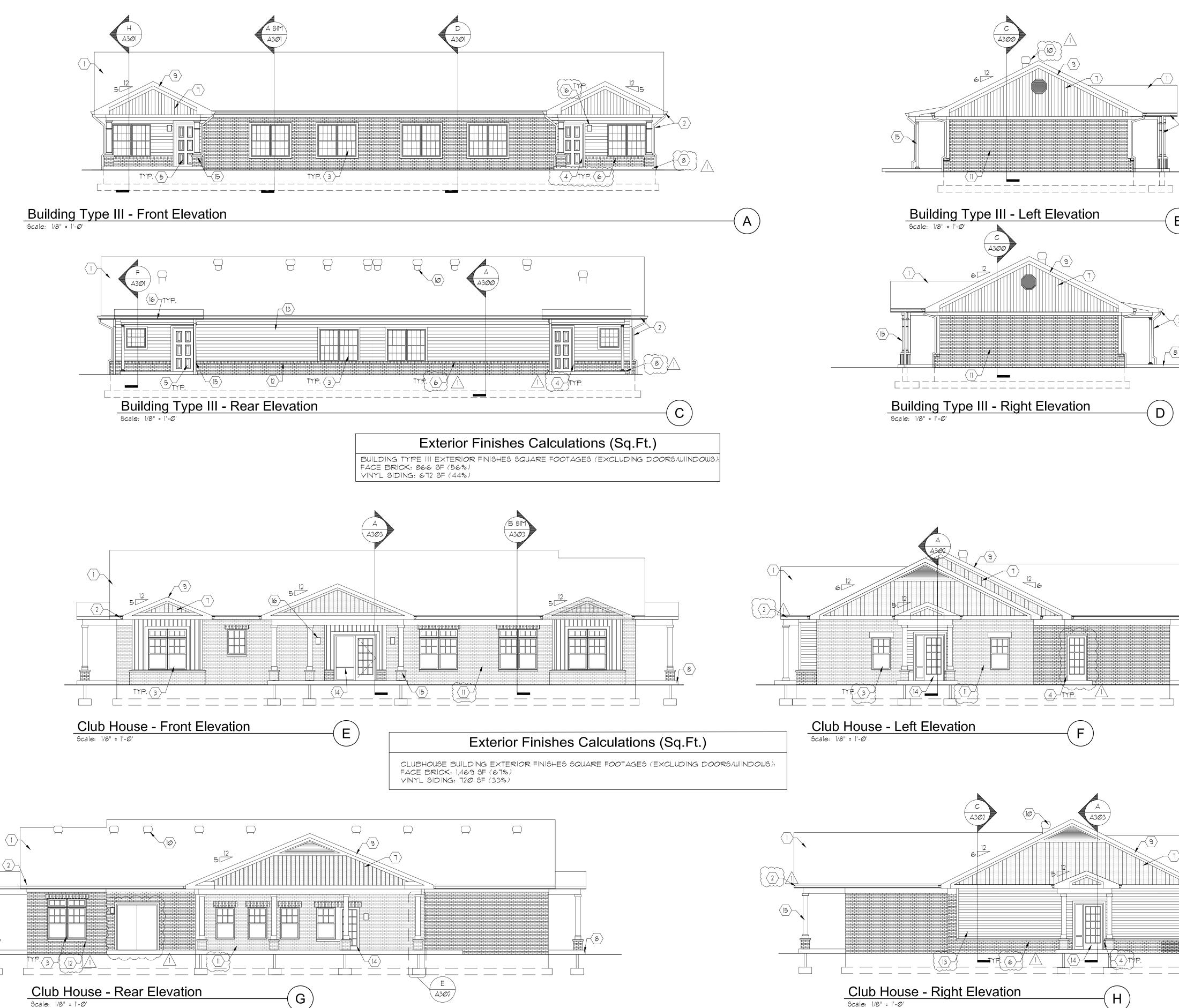


| <b>Sutton Landing</b><br>AA (10) Highway, Maysville, KY<br>Elevations: Buildings I & II |                                |
|---|--------------------------------|
| >   |                                |
|   | AA (10) Highway, Maysville, KY |
|   |                                |



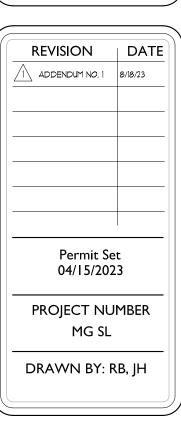


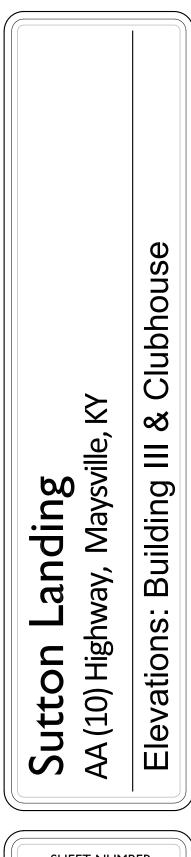




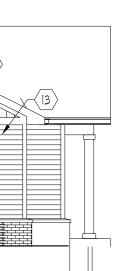
|                | General Notes   |   |
|----------------|---|---|
| <u> </u>       | General notes   | WILL TAYLOR P.  |
| Д.<br>В.       | DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.<br>Exterior wall studs shall be 5 1/2" , u.n.Less otherwise<br>Noted.   | HE HE GISTERED  |
| C.             | INTERIOR WALL STUDS SHALL BE 3 1/2", UNLESS OTHERWISE<br>NOTED.   | COMMONWEALTH  |
| D.             | TYPICAL INTERIOR PARTY WALL SHALL BE 8" THICK- (2) 2x4<br>STUD WALLS W/ 1" AIR GAP. INSTALL SOUND ATTENUATION<br>BATTS, UNLESS OTHERWISE NOTED.   | APCHITECTION  |
| E.             | REFER TO UNIT PLANS FOR LOCATIONS OF DOOR AND WINDOW<br>OPENINGS  |   |
| F.<br>G.<br>H. | REFER TO UNIT PLANS FOR ADDITIONAL DIMENSIONS.<br>SEE UNIT PLANS FOR LOCATION OF RADON VENTING.<br>SEE UNIT PLANS FOR LOCATION OF ATTIC ACCESS.<br>STORAGE AREAS: REFER TO DOOR SCHEDULE & FINISH |   |
| 1.             | SCHEDULE ON SHEETS A109 FOR DOOR AND ROOM FINISH<br>INFORMATION.  | REB   |
| J.             | SEE DETAIL A/A301 FOR FRAMING OF EXTERIOR WALLS FOR<br>ENERGY RATINGS.  | ARCHITECTS  |
| K.             | INSTALL FIRE CODE DRYWALL AND ADDITIONAL LAYER OF $\frac{1}{2}$ " water resistant gypsum board behind tubs, when Located on Party Wall.   | 103 WIND HAVEN DR, STE 10<br>NICHOLASVILLE KY 40356<br>859.523.1500 |
| ->             | Exterior Elevation Coded Notes  |   |
|                | ASPHALT SHINGLE ROOFING, TYP. SEE ROOF PLANS COLOR  |   |
| 2.             | - WEATHERED WOOD<br>ALUMINUM GUTTER & DOWNSPOUTS. SEE ROOF PLANS.   |   |
|                | VINTL WINDOW, TYP.<br>ALUMINUM-FACED TRIM, TYP. COLOR WHITE   |   |
|                | METAL DOOR, TYP. COLOR WHITE  |   |
|                | BRICK WAINSCOT WITH ROWLOCK CAP, TYP.   |   |
|                | VERTICAL VINYL SIDING.<br>CONCRETE PORCH STOOP. COORDINATE STOOP HEIGHT,  |   |
|                | GRADING & SIDEWALK. PROVIDE LEVEL CONDITIONS AT ALL<br>UNITS.   |   |
|                | METAL FASCIA, SEE ROOF PLANS.   |   |
|                | WIND TURBINE, SEE ROOF PLANS FOR ADDITIONAL<br>INFORMATION.   |   |
|                | FACE BRICK, FULL HEIGHT.  |   |
|                | FULL ROWLOCK SILL, TYP.   |   |
| 13.            | HORIZONTAL VINYL SIDING.  |   |

- ADDITIONAL INFORMATION. 15. 6" FIBER GLASS COLUMN. 16. EXTERIOR LIGHT, BUILDING-MOUNTED, SEE ELECTRICAL
- PLANS.



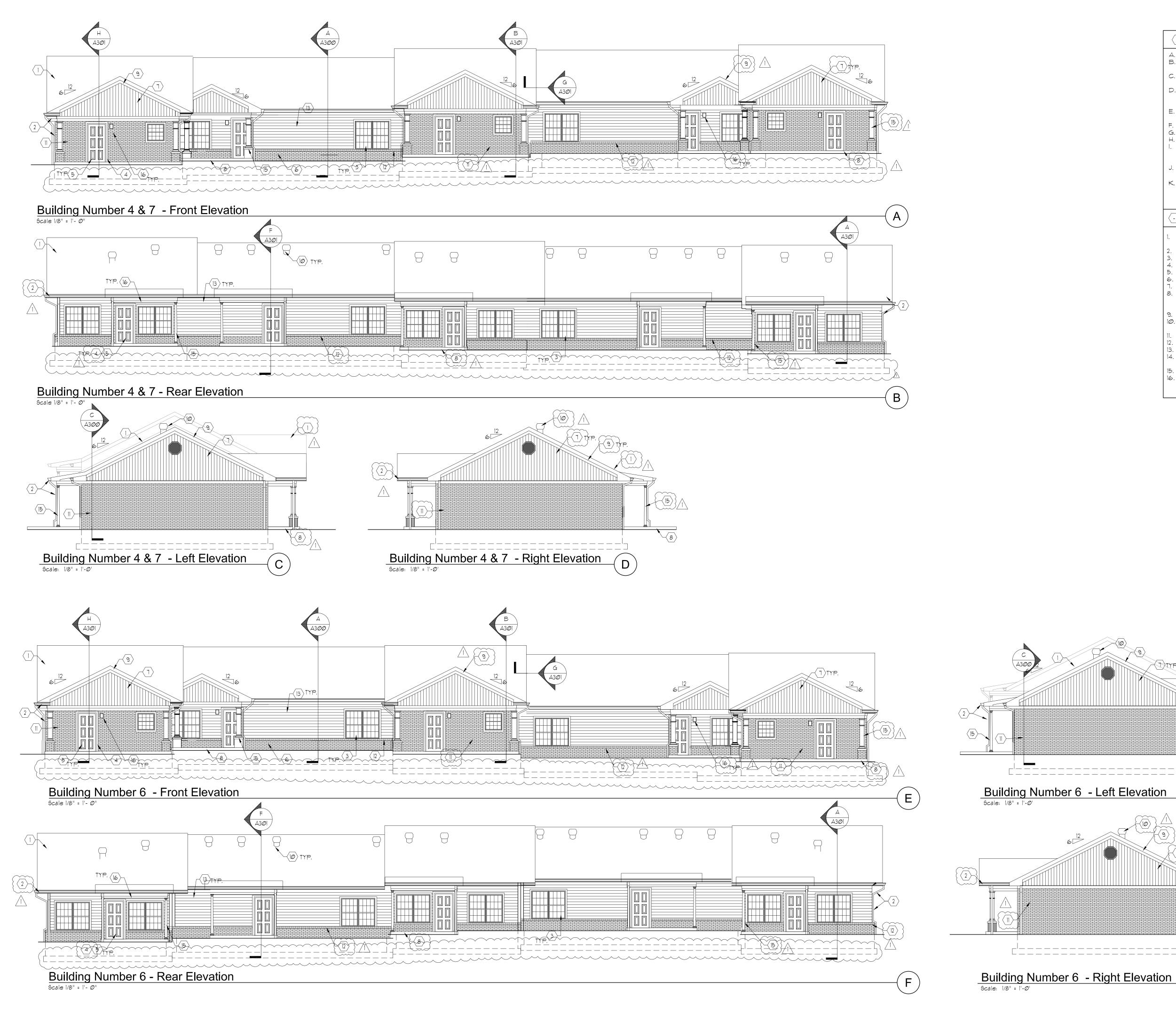


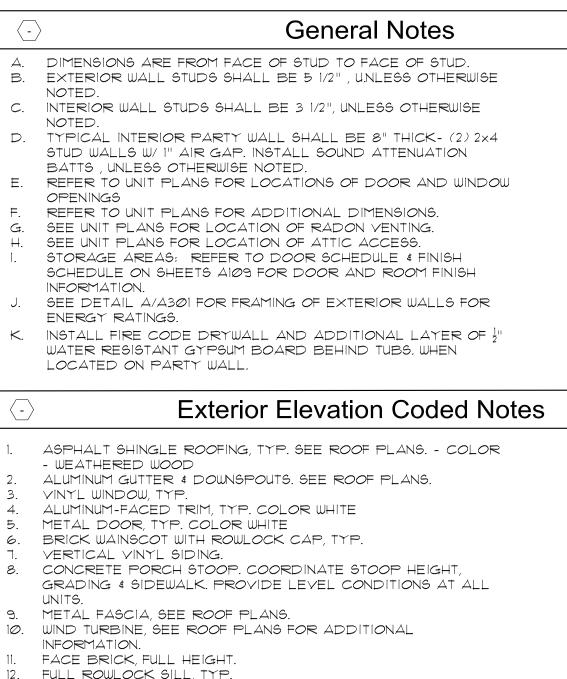




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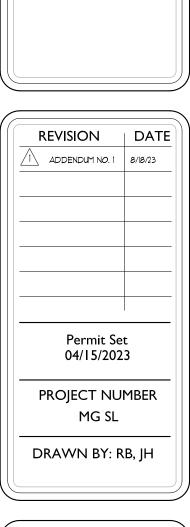
8





- FULL ROWLOCK SILL, TYP.
- HORIZONTAL VINYL SIDING.
- FULL-LITE GLASS ENTRANCE DOOR, SEE SCHEDULE FOR
- ADDITIONAL INFORMATION.
- 5. 6" FIBER GLASS COLUMN. EXTERIOR LIGHT, BUILDING-MOUNTED, SEE ELECTRICAL



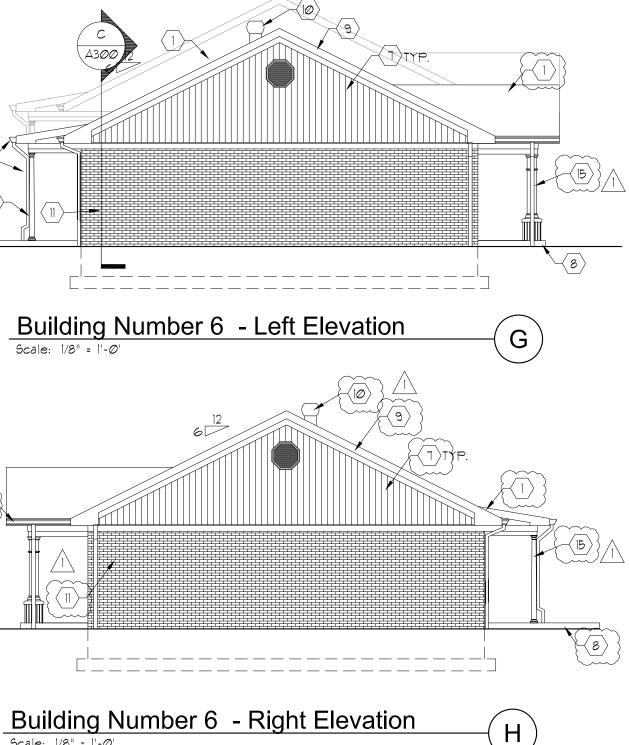


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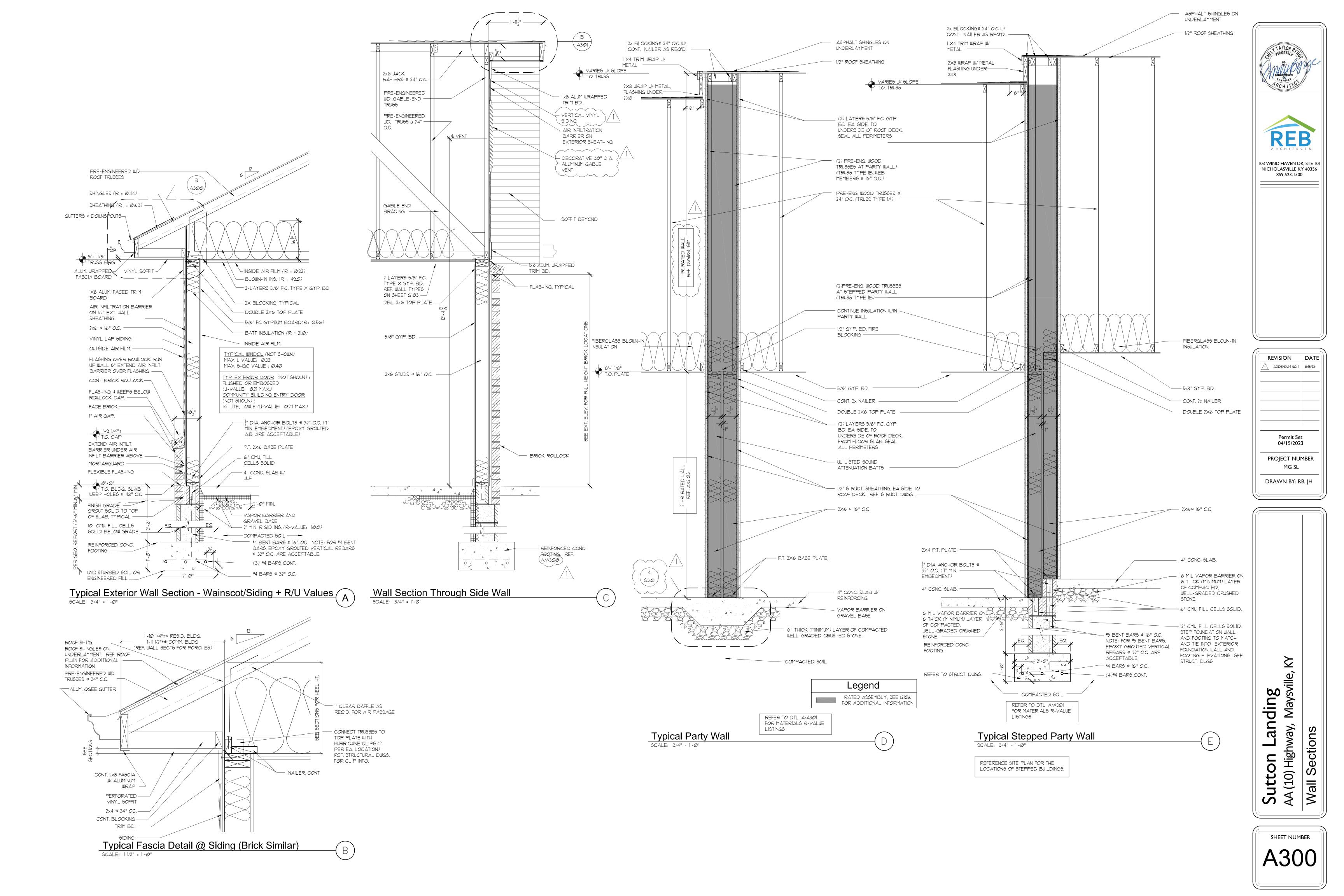
ARCHITECT

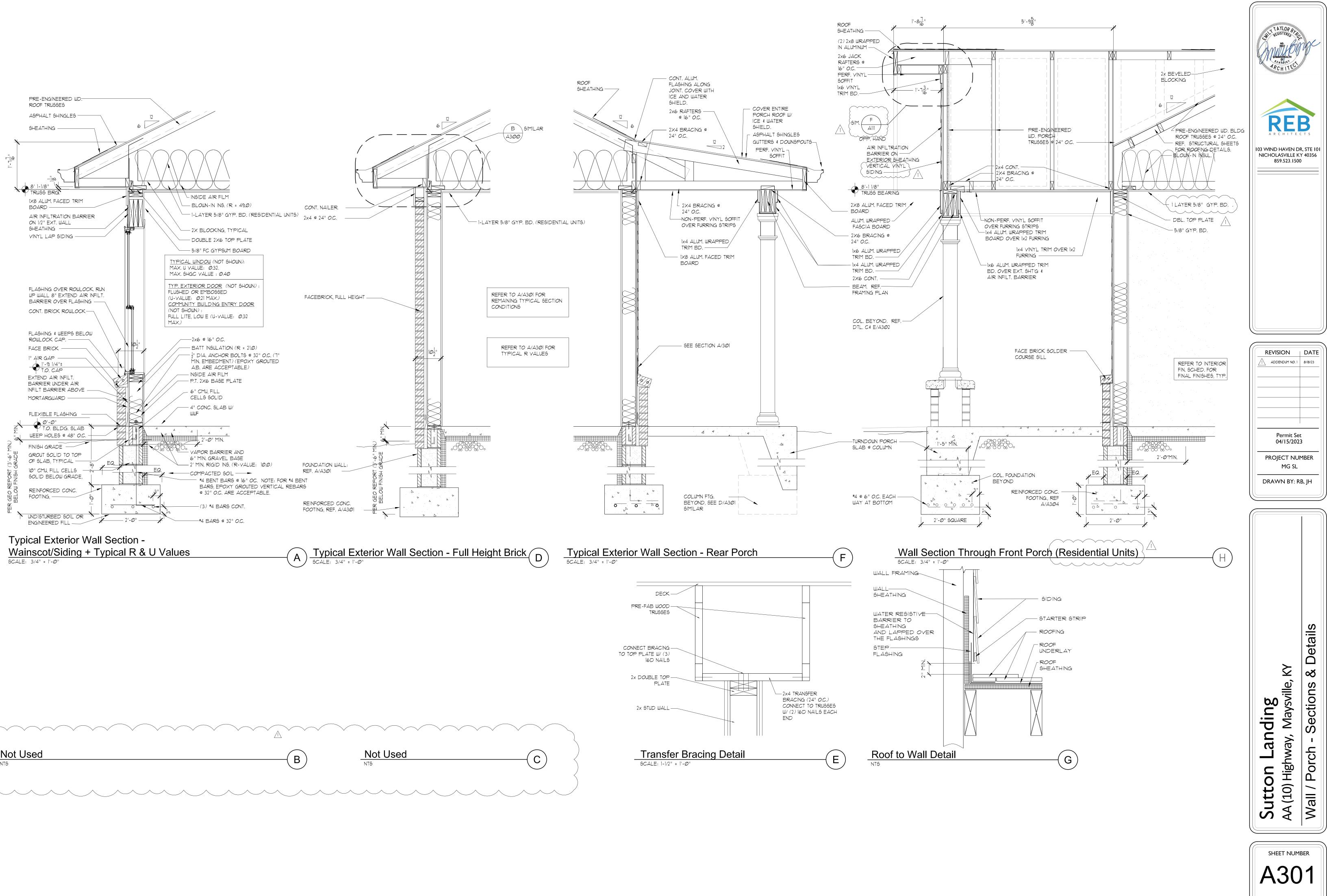
103 WIND HAVEN DR, STE 101

NICHOLASVILLE KY 40356 859.523.1500

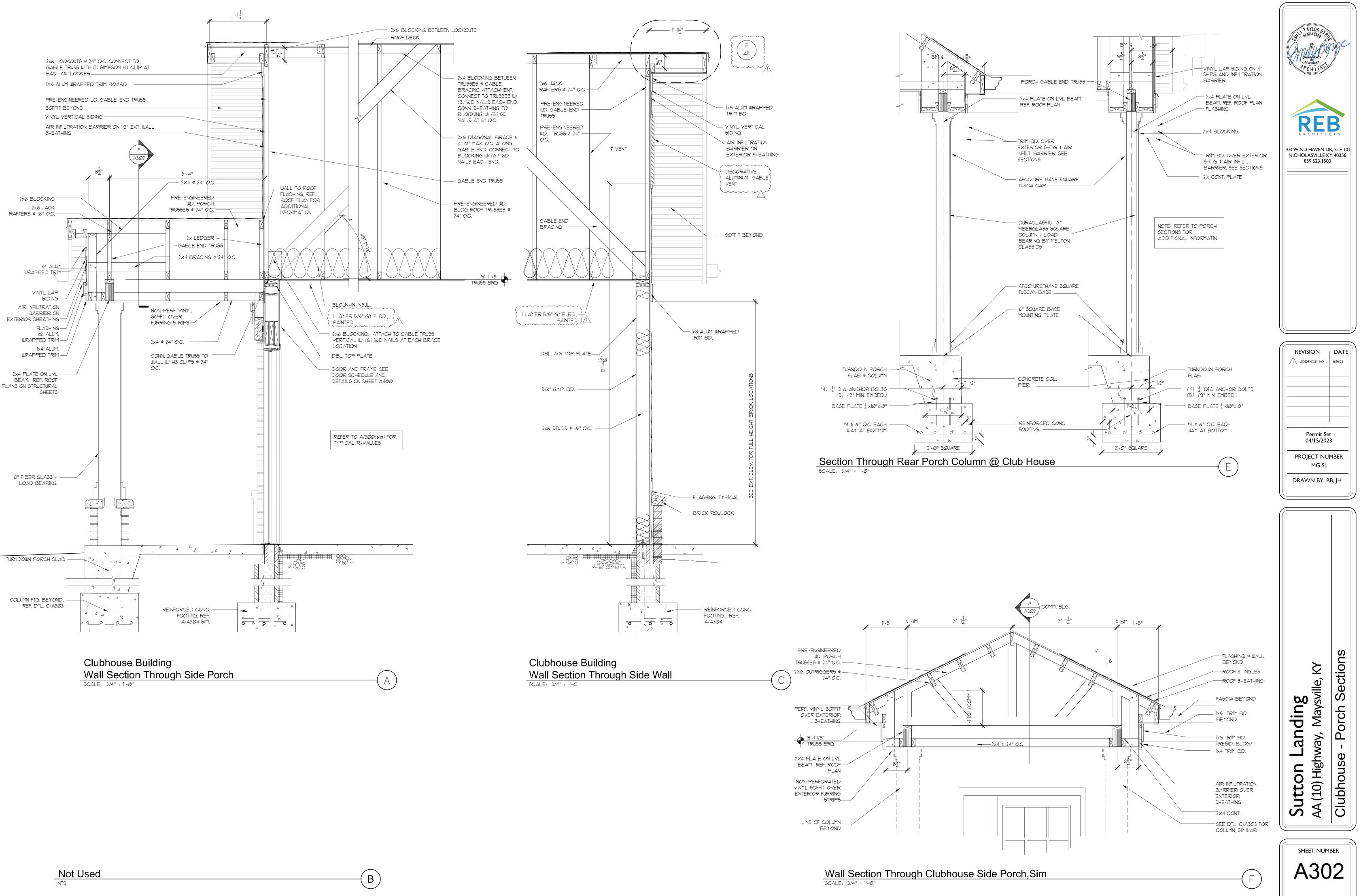


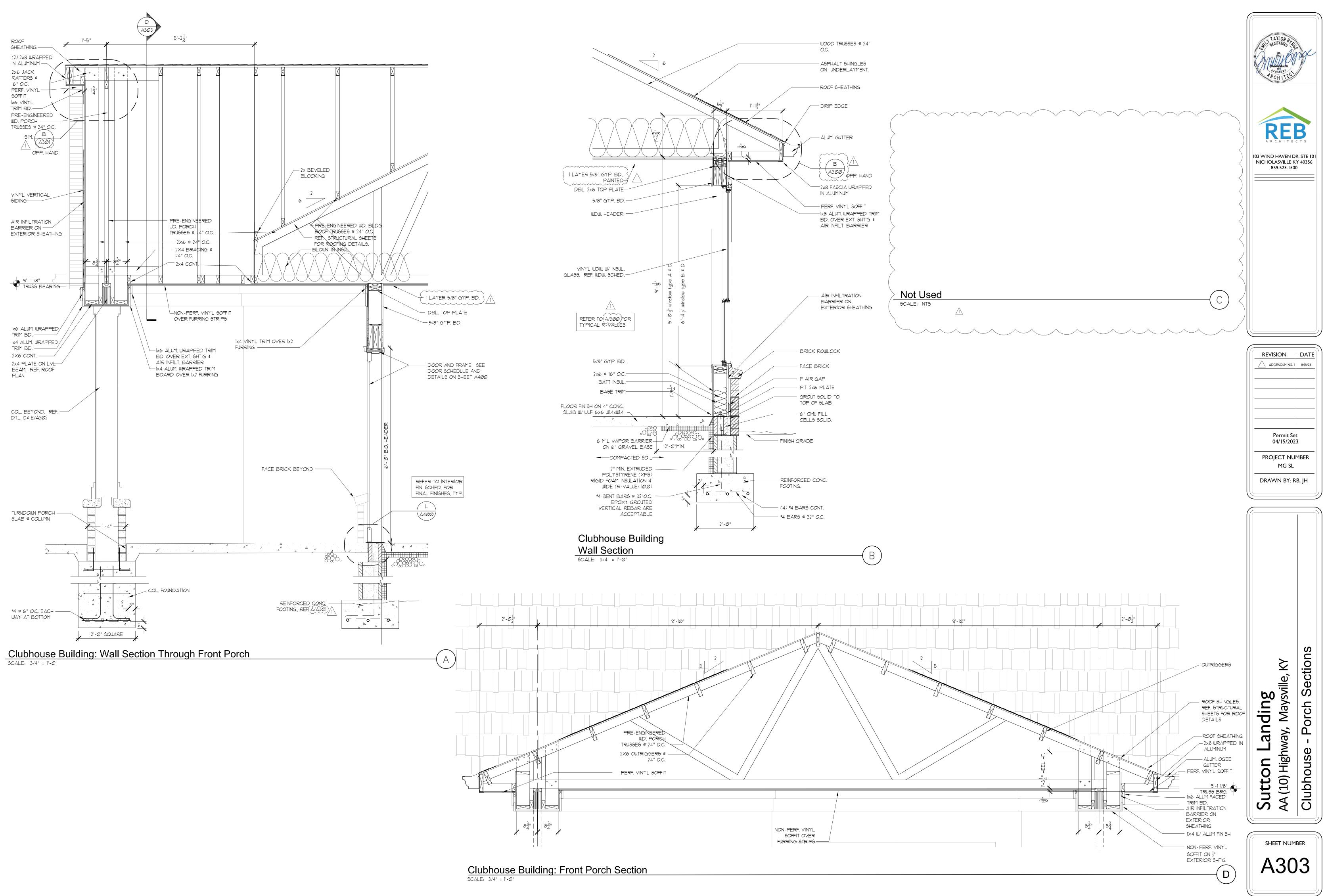
| <b>utton L</b><br>A (10) Highv<br>Elevations |
|--|
|--|

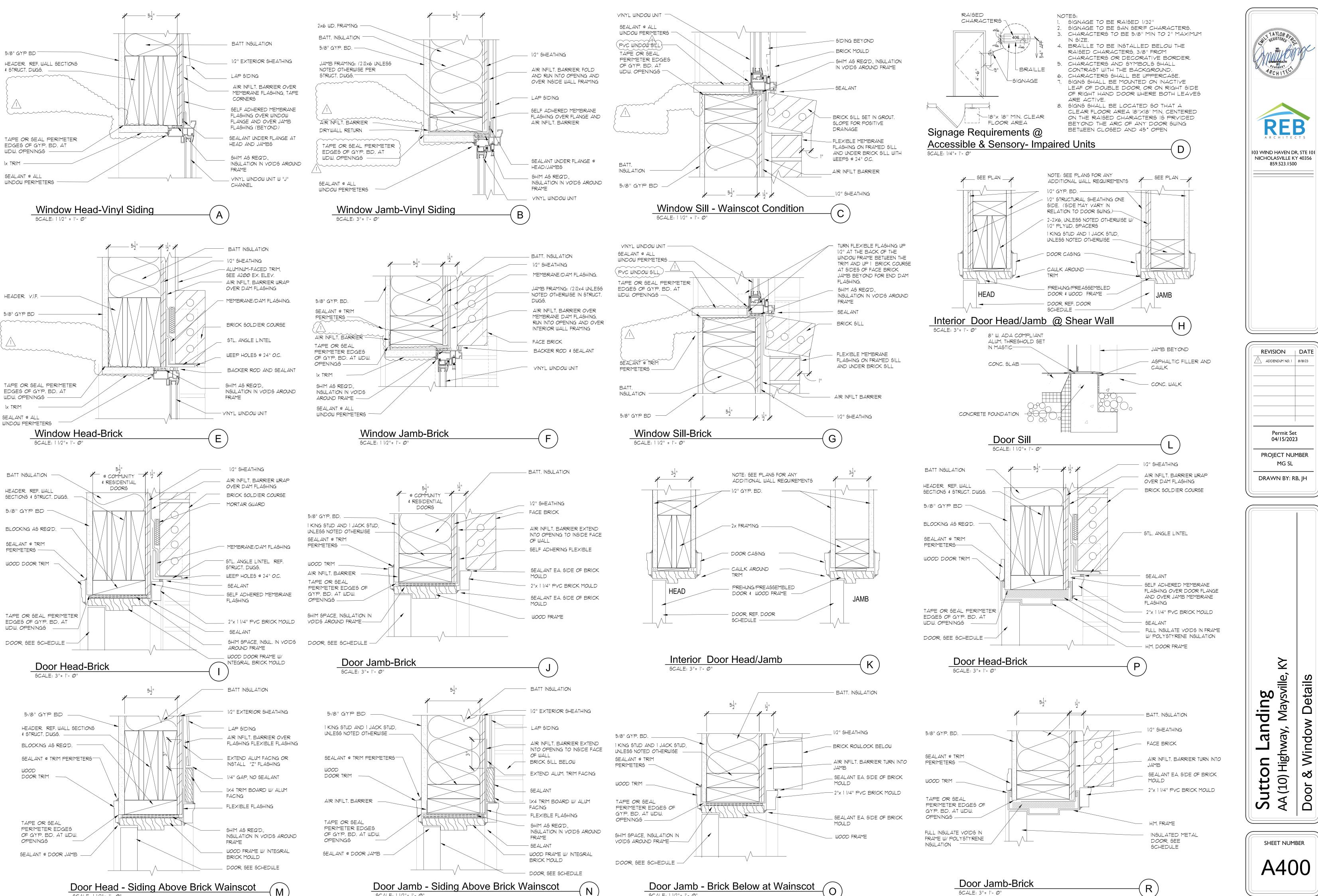




Not Used



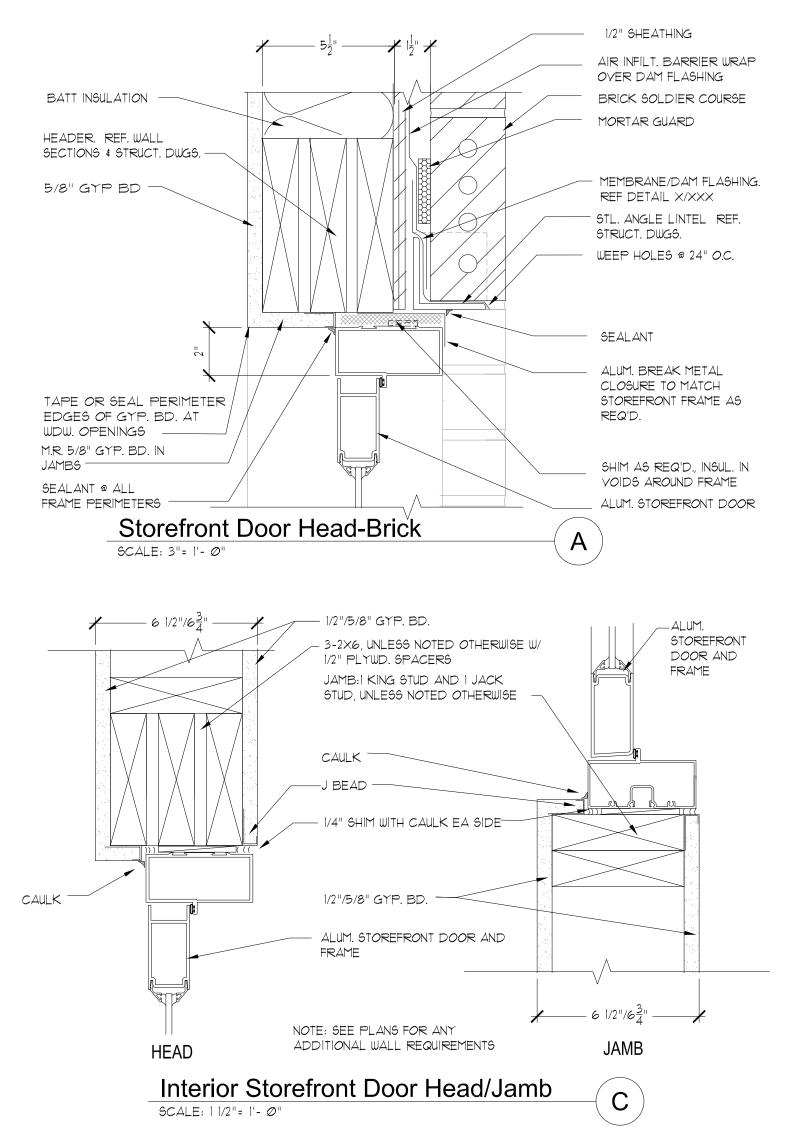


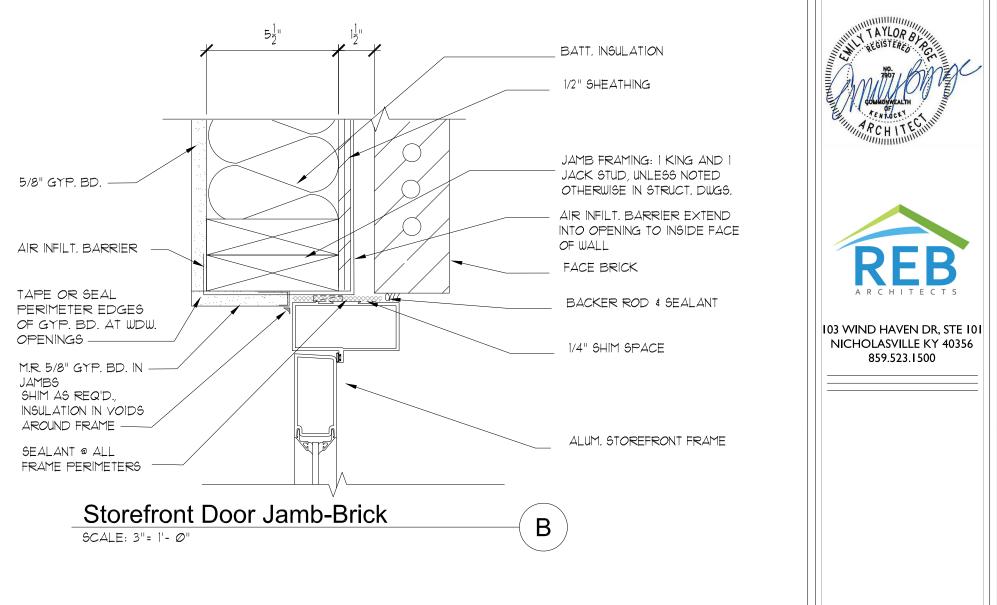


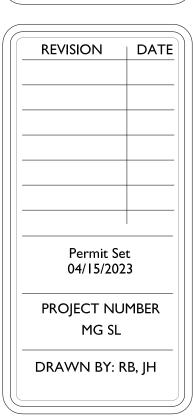
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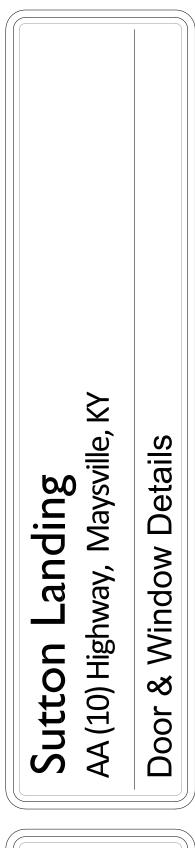
SCALE: 1 1/2"= 1'- Ø"

SCALE: 1 1/2"= 1'- Ø"

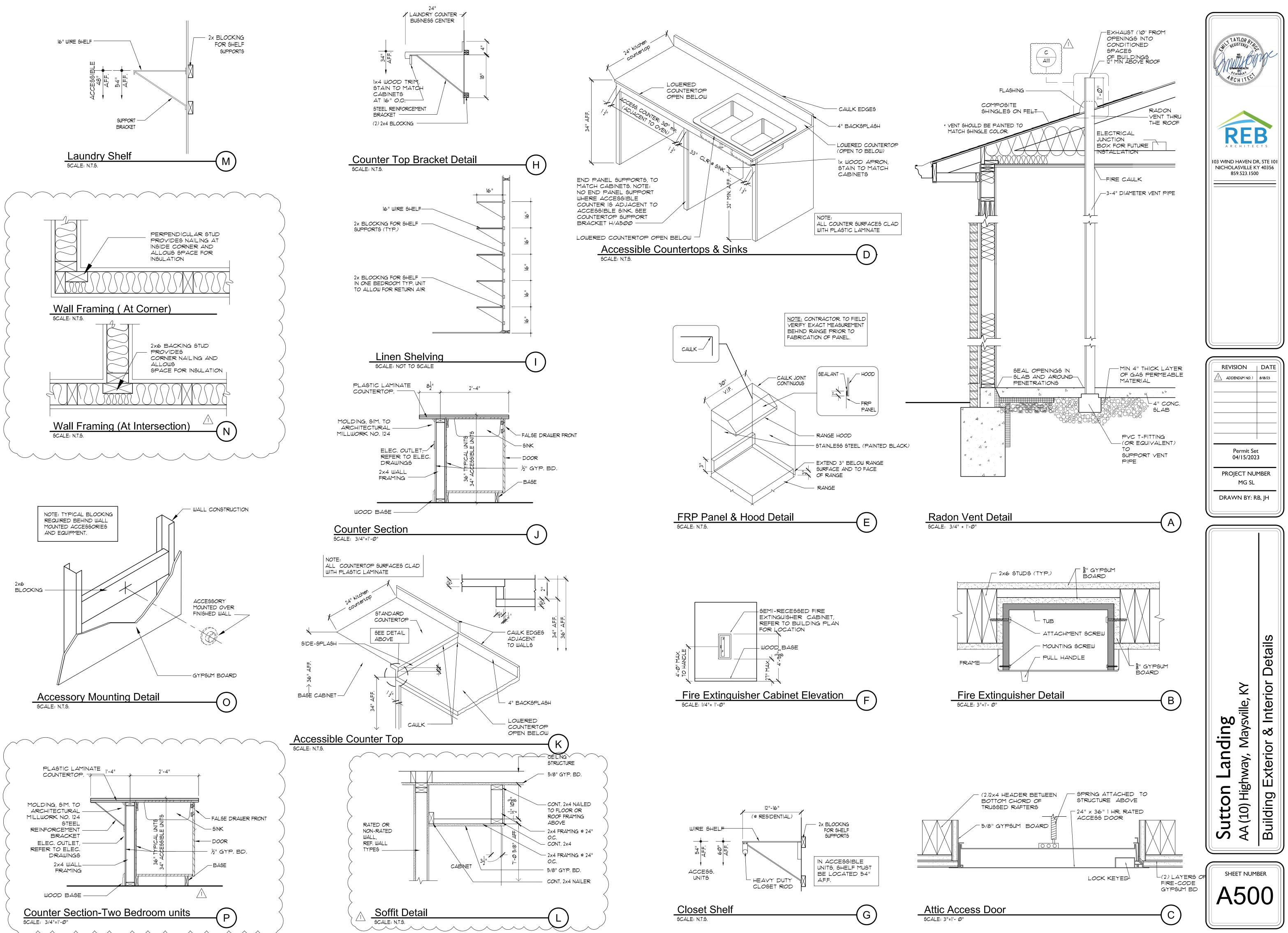


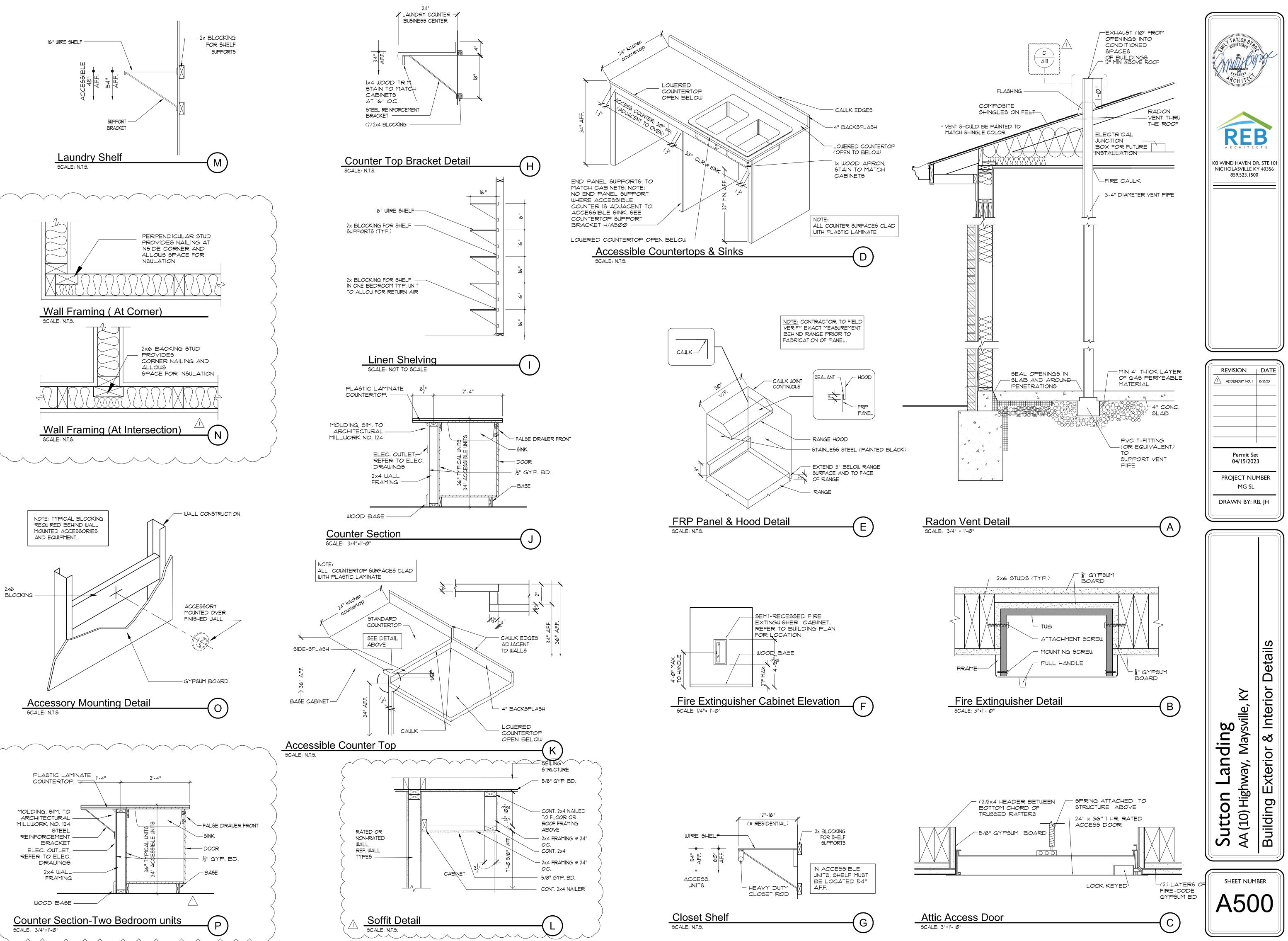


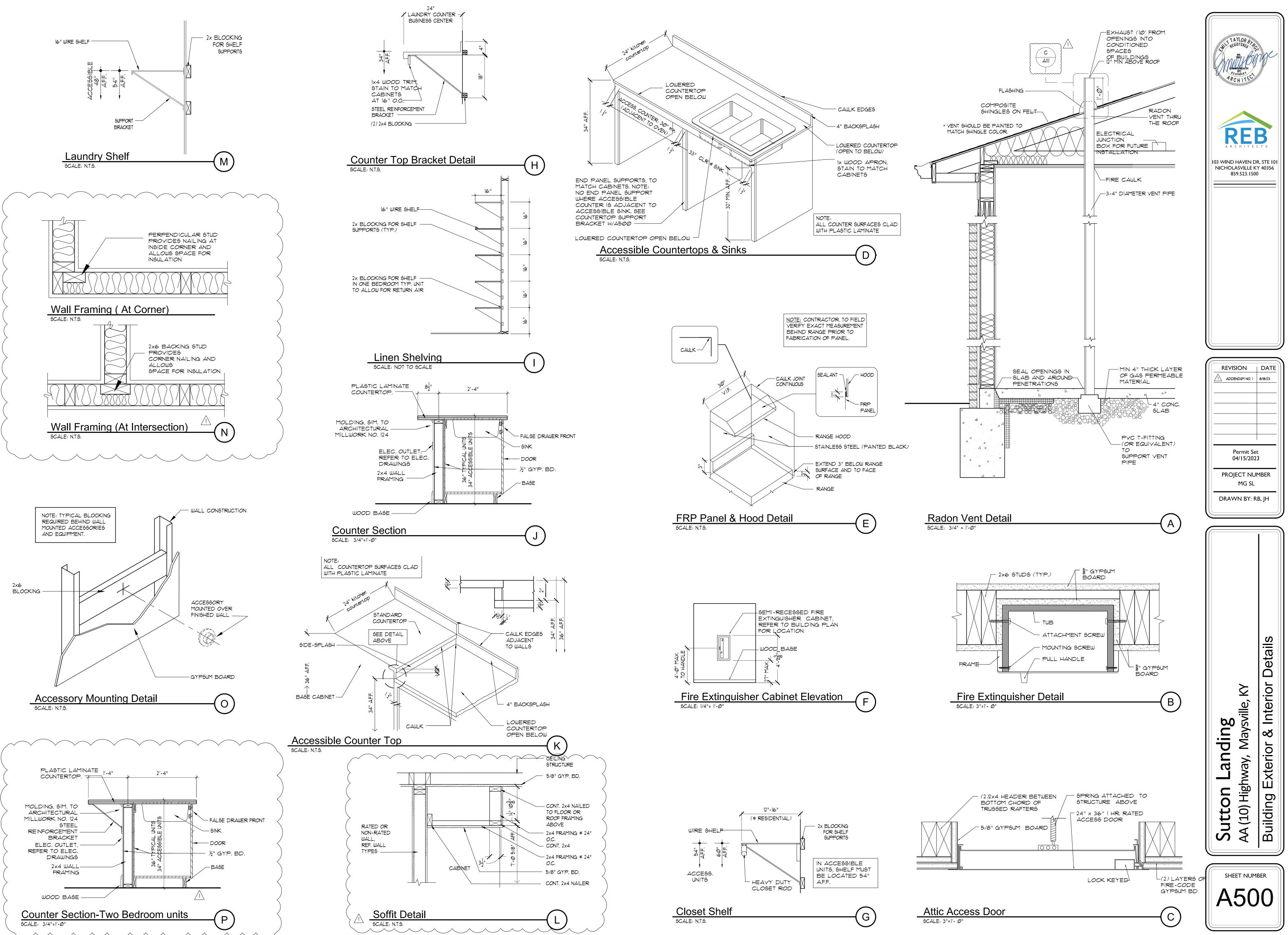












| 1.0 | DESIGN  | 6.0 | MASONRY:  |
|-----|---|-----|---|
| 1.1 | DESIGN PER KBC 2018   | 6.1 | UNITS AND MORTAR:   |
| 1.2 | BUILDING OCCUPANCY CATEGORY II  |     | 6.1.1 UNIT SHAPES SHALL INCLUDE, BUT NOT BE LIMITED TO  |
| 0.0 |   |     | PLUMBING/CONDUIT, BOND, LINTEL AND BULLNOSE UNI   |
|     | LOADINGS:<br>GRAVITY LOADS  |     | 6.1.2 HOLLOW LOAD-BEARING UNITS SHALL CONFORM TO AS   |
| Ζ.  | 2.1.1 ROOF LIVE LOAD: 20 PSF  |     | LIGHT WEIGHT BLOCKS ARE ALLOWED.  |
|     | 2.1.2 ROOF DEAD LOAD  |     | 6.1.3 ALL UNITS SHALL BE LAID IN A RUNNING BOND PATTE<br>6.1.4 ALL MORTAR SHALL CONFORM TO ASTM C270, TYPE S  |
|     | 2.1.2.1 TOP CHORD: 10 PSF   |     | 6.1.5 MORTAR SHALL BE APPLIED IN A FULL SHOVEL BED A  |
| 0.0 | 2.1.2.2 BOTTOM CHORD: 10 PSF  |     | SHALL BE TOOLED TO A FLUSH PATTERN.   |
| 2.2 | SNOW LOAD:  |     | 6.1.6 GROUT SHALL HAVE A MIN. COMP. STRENGTH OF 2000  |
|     | 2.2.1 PG=15 PSF<br>2.2.2 CE=1.0   | 6.2 | MASONRY REINFORCEMENT:  |
|     | $2.2.3 \mid = 1.0$  |     | 6.2.1 10" CMU WALLS:  |
|     | 2.2.4 CT=1.0  |     | 6.2.1.1 HORIZONTAL REINFORCEMENT: (2) $\frac{3}{16}$ " $\phi$ B/  |
|     | 2.2.5 FLAT ROOF=10.5 PSF  |     | 6.2.1.2 8" DEEP BOND BEAM AT ALL FLOOR LEVE   |
| 2.3 | WIND LOAD:  |     | HAVE (1) #4 BAR CONTINUOUS.<br>6.2.1.3 VERTICAL REINFORCEMENT #4 BARS @ 32'                                   |
|     | 2.3.1 Vult=115 MPH (RISK CATEGORY II)   |     | 6.2.2 #4 BAR LAP SPLICES SHALL BE 24" MIN.  |
|     | 2.3.2 Vasd=90 MPH (RISK CATEGORY II)<br>2.3.3 Iw = 1.0  |     | 6.2.3 #5 BAR LAP SPLICES SHALL BE 30" MIN.  |
|     | 2.3.4 EXPOSURE CATEGORY C   |     | 6.2.4 W1.7 WIRE LAP SPLICES SHALL BE 8" MIN.  |
| 2.4 | SEISMIC LOAD:   |     | 6.2.5 A VERTICAL BAR EQUAL TO THE SIZE OF THE SPECIFI   |
|     | 2.4.1 Is=1.0  |     | OF THE END, CORNER, TEE OR OPENING OF ANY WALL  |
|     | 2.4.2 OCCUPANCY CATEGORY II<br>2.4.3 Ss=0.168, S1=0.079   |     | 6.2.6 REINFORCING BARS SHALL HAVE A MINIMUM YIELD STR   |
|     | 2.4.4 SITE CLASS D  |     | A706.<br>6.2.7 REINFORCING WIRE SHALL BE ASTM A185.   |
|     | 2.4.5 SDS=0.179, SD1=0.126  |     | 6.2.8 ALL CORES AND VOIDS CONTAINING REINFORCEMENT S  |
|     | 2.4.6 SEISMIC DESIGN CATEGORY B   |     | 6.2.9 ALL OPENINGS SHALL BE PROVIDED AN 8" DEEP LINTE   |
|     | 2.4.7 WOOD FRAMED WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR  |     | LEAST 8" PAST EACH EDGE OF OPENING.   |
|     | SHEAR RESISTANCE (R=6.5)  |     |   |
|     | 2.4.8 BASE SHEAR V=0.028W (Cs=0.028)<br>2.4.9 EQUIVALENT LATERAL FORCE PROCEDURE  | 7.0 | STRUCTURAL STEEL:   |
|     | 2.4.9 EQUIVALENT LATERAL FORGE PROCEDURE  |     |   |
| 3.0 | FOUNDATION  | 7.1 | ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL   |
|     |   |     | OF THE AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION<br>BUILDINGS AND THE AISC CODE OF STANDARD PRACTICE FO |
|     | SOIL ALLOWABLE BEARING 2,000 PSF  | 7.2 | STRUCTURAL STEEL MATERIAL TO BE:  |
| 3.2 | SOIL LATERAL BEARING 150 PSF/F.   |     | 7.2.1 PLATES – ASTM A36   |
|     | LATERAL SLIDING COEFFICIENT OF FRICTION 0.25<br>FOOTINGS SHALL BEAR A MINIMUM OF 3' BELOW FINAL GRADE OR 1' BELOW UNDISTURBED |     | 7.2.2 SHAPES – ASTM A36 OR ASTM A992  |
| J.4 | SOIL OR ENGINEERED FILL, WHICHEVER IS DEEPER.   |     | 7.2.3 STRUCTURAL TUBE – ASTM A500 GR. B, $Fy = 46$ KS   |
|     | Sole on choinelenes fiel, minorieven to beer en.  |     | 7.2.4 PIPE – ASTM A53 GR. B, Fy = 35 KSI<br>7.2.5 BOLTS – ASTM A325-N   |
| 4.0 | CONCRETE:   |     | 7.2.6 ANCHOR BOLTS – ASTM A323-10<br>7.2.6 ANCHOR BOLTS – ASTM F1554 GR. 36                                   |
|     |   |     | 7.2.7 EPOXY GROUTED ANCHOR BOLTS SHALL BE HILTI HIT I   |
| 4.1 | CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF:  |     | 7.2.8 ALL BOLTING SHALL BE SUPPLIED WITH A $1-1/2$ " DIA.   |
|     | 4.1.1 FOOTINGS – 3,500 PSI<br>4.1.2 SLABS ON GRADE – 4,000 PSI  |     | WELDING ELECTRODES SHALL BE E-70XX OR EQUIVALENT FO   |
|     | 4.1.3 WALLS - 4,000 PSI   | 7.4 | ALL WELDING SHALL BE DONE BY A QUALIFIED WELDER IN A  |
| 4.2 | REINFORCING STEEL SHALL HAVE A MINIMUM SPECIFIED YIELD STRENGTH OF 60,000 PSI.  |     | AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE.   |
|     | DADS SHALL DE DED ASTM A615 OD A706 WEIDED WIDE EADDIG SHALL DE DED ASTM  |     |   |

A185. 4.3 REINFORCING COVER SHALL BE: 4.3.1 3" MINIMUM FROM THE BOTTOM OF SLABS ON GRADE AND FOOTINGS 4.3.2 2" MINIMUM FROM THE TOP OR SIDES OF SLABS ON GRADE AND FOOTINGS

BARS SHALL BE PER ASTM A615 OR A706. WELDED WIRE FABRIC SHALL BE PER ASTM

- 4.4 LAP SPLICES SHALL BE: 4.4.1 30" FOR #5 REINFORCING BARS
- 4.4.2 24" FOR #4 REINFORCING BARS
- 4.4.3 8" FOR 6X6 W.W.F.

STRUCTURAL NOTES:

- 4.5 ALL EXPOSED FORMED SURFACES SHALL BE PROVIDED A RUBBED FINISH AFTER REMOVAL OF FORMS.
- 4.6 ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED WITH 6% AIR.
- 4.7 ALL BEARING SURFACES SHALL BE LEVEL (WITHIN  $\frac{1}{8}$ " IN 12).
- 4.8 AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS, PROVIDE BENT BARS OF EQUAL SIZE AND AT SAME SPACING AS TYPICAL REINFORCING AROUND CORNER AND/OR INTO ABUTTING WALL. BARS SHALL HAVE EMBEDMENT OF 24 DIAMETERS (12" MINIMUM) PAST INSIDE EDGE OF CORNER.
- 5.0 WOOD AND TIMBER:
- 5.1 ALL LUMBER SIZES ARE NOMINAL UNLESS NOTED OTHERWISE.
- 5.2 WOOD MATERIAL SHALL BE SPIB NO.2 UNLESS NOTED OTHERWISE. 5.3 COLUMNS AND OTHER MEMBERS IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- 5.4 USE STANDARD NAILING SCHEDULES, UNLESS NOTED OTHERWISE.
- 5.5 ALL NAILS SHALL BE COMMON, UNLESS NOTED OTHERWISE 5.6 BOLTS SHALL BE ASTM A307.
- 5.7 TRUSS MANUFACTURER SHALL SUBMIT TRUSS SHOP DRAWINGS WITH ENGINEER'S STAMP.
- TRUSSES SHALL BE DESIGNED FOR LOADS IDENTIFIED ABOVE.
- 5.8 ALL ROOF AND WALL SHEATHING USED SHALL HAVE A MINIMUM 24/16 SPAN RATING.
- 5.9 ALL FLOOR SHEATHING USED SHALL HAVE A MINIMUM 48/24 SPAN RATING. 5.10 FASTENERS IN CONTACT WITH PRESSURE TREATED MATERIAL SHALL BE QUALIFIED FOR USE WITH THE PRESSURE TREATED MATERIAL

|                        |                                      | DIM          | TABLE 5B<br>ENSIONAL LUMBER REQUIREMENTS   |
|------------------------|--------------------------------------|--------------|--|
| AP                     | PLICATION                            | Diiii        | SPECIES AND GRADE  |
| DIMENSION LUMBER       | SOLID BLOCKING, TOP                  | 2X4          | DOUGLAS FIR-LARCH #2, SOUTHERN PINE #2 OR BETTER   |
|                        | PLATES, STRUTS, AND<br>MISC. FRAMING | 2X6<br>2X8   | DOUGLAS FIR-LARCH #2, SOUTHERN PINE #2 OR BETTER<br>DOUGLAS FIR-LARCH #2, SOUTHERN PINE #2 OR BETTER                     |
|                        |                                      | 2X10         | DOUGLAS FIR-LARCH #2, SOUTHERN PINE #2 OR BETTER   |
|                        | SILL PLATE (TREATED)                 | 2X12<br>2X4  | DOUGLAS FIR-LARCH #2, SOUTHERN PINE #2 OR BETTER<br>GRADE SHALL BE STANDARD OR BETTER DOUGLAS FIR-LARCH OR SOUTHERN PINE |
|                        |                                      | 2X6          | DOUGLAS FIR-LARCH #2 OR SOUTHERN PINE #2   |
|                        |                                      | 2X8<br>2X10  | DOUGLAS FIR-LARCH #2 OR SOUTHERN PINE #2   |
|                        |                                      | 2X10<br>2X12 | DOUGLAS FIR-LARCH #2 OR SOUTHERN PINE #2<br>DOUGLAS FIR-LARCH #2 OR SOUTHERN PINE #2                                     |
| TRUSSES                | ALL MEMBERS                          |              | AS DESIGNED BY TRUSS MANUFACTURER  |
| EXTERIOR BEARING       | 2X4                                  |              | DOUGLAS FIR-LARCH #2, SOUTHERN PINE #2, SPRUCE-PINE-FIR #2, OR BETTER  |
| WALLS AND COLUMNS      | 2X6                                  |              | DOUGLAS FIR-LARCH #2, SOUTHERN PINE #2, SPRUCE-PINE-FIR #2, OR BETTER  |
| INTERIOR BEARING WALLS | ALL SIZES                            |              | DOUGLAS FIR-LARCH #2, SOUTHERN PINE #2, SPRUCE-PINE-FIR #2, OR BETTER  |
| INTERIOR NON-          | ALL SIZES                            |              | STANDARD, UTILITY, CONSTRUCTION GRADE OR BETTER.   |
| BEARING WALLS          |                                      |              | SPECIES SHALL BE DOUGLAS FIR-LARCH, SOUTHERN PINE, OR SPRUCE-PINE-FIR  |
| LAMINATED VENEER       | 1 3/4" X 11 1/4" AND SMALLER         |              | TRUSJOIST OR BETTER  |
| LUMBER                 | 1 3/4" X 11 7/8" AND LA              | ARGER        | TRUSJOIST OR BETTER  |
| NOTES:                 |                                      |              |  |

1. SPECIES AND GRADE SHALL BE AS IDENTIFIED IN THE TABLE.

SPECIAL STRUCTURAL INSPECTIONS:

THE SIZE AND OCCUPANCY OF THIS BUILDING MAKE IT SUBJECT TO THE SPECIAL INSPECTION REQUIREMENTS OF CHAPTER 17 OF THE 2018 KENTUCKY BUILDING CODE. BASED ON THOSE CODE REQUIREMENTS THE FOLLOWING SPECIAL INSPECTIONS WILL BE REQUIRED:

- 1. INSPECTION OF FABRICATOR: FABRICATORS (WOOD TRUSSES) SHALL BE INSPECTED IN ACCORDANCE WITH KBC 2018, SECTION 1704.2.5.1, UNLESS ALREADY APPROVED PER THE REQUIREMENTS OF KBC 2018, SECTION 1704.2.5.2. IF APPROVED FABRICATORS ARE USED THEY MUST, UPON COMPLETION OF FABRICATION, SUBMIT A CERTIFICATE OF COMPLIANCE STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. FABRICATORS MUST SUBMIT EVIDENCE OF THEIR APPROVAL FOR REVIEW AND ACCEPTANCE PRIOR TO BEGINNING ANY FABRICATION WORK.
- 2. <u>CONCRETE CONSTRUCTION:</u> CONCRETE CONSTRUCTION SHALL BE INSPECTED IN ACCORDANCE WITH KBC 2018, SECTION 1705.3. THIS REQUIREMENT APPLIES TO ALL FOOTINGS, FOUNDATION WALLS AND CONCRETE SLABS AS DETAILED ON THESE STRUCTURAL DRAWINGS.
- 3. MASONRY CONSTRUCTION: MASONRY CONSTRUCTION SHALL BE INSPECTED IN ACCORDANCE WITH KBC 2018, SECTION 1705.4. THESE REQUIREMENTS APPLY TO ALL MASONRY AS DETAILED ON THESE STRUCTURAL DRAWINGS.
- 4. <u>SOILS:</u> SOILS SHALL BE INSPECTED IN ACCORDANCE WITH KBC 2018, SECTION 1705.6. THESE REQUIREMENTS APPLY TO ALL SOILS WHICH THE BUILDING STRUCTURE WILL BE FOUNDED ON.
- 5. <u>STEEL:</u> STEEL CONSTRUCTION SHALL BE INSPECTED IN ACCORDANCE WITH KBC 2018 SECTION 1705.2. THESE REQUIREMENTS APPLY TO ALL STRUCTURAL STEEL CONSTRUCTION AS DETAILED ON THESE STRUCTURAL DRAWINGS.

INCLUDE, BUT NOT BE LIMITED TO, STRETCHER, CORNER, SASH, BOND, LINTEL AND BULLNOSE UNITS. NING UNITS SHALL CONFORM TO ASTM C90 WITH A NOMINAL FACE SIZE OF 8"X16".

LAID IN A RUNNING BOND PATTERN UNLESS NOTED OTHERWISE. CONFORM TO ASTM C270, TYPE S WITH MIN. COMP. STRENGTH OF 1800 PSI. PPLIED IN A FULL SHOVEL BED AND BEAD FASHION FOR  $rac{3}{3}$ " THICK JOINTS, WHICH A MIN. COMP. STRENGTH OF 2000 PSI.

TAL REINFORCEMENT: (2)  $\frac{3}{16}$ °Ø BARS AT EACH COURSE. BOND BEAM AT ALL FLOOR LEVELS, TOP OF WALL AND ANY STRUCTURAL SHALL REINFORCEMENT #4 BARS @ 32" O.C.

JAL TO THE SIZE OF THE SPECIFIED VERTICAL BARS SHALL BE PLACED WITHIN 8" , TEE OR OPENING OF ANY WALL OR FOUNDATION. HALL HAVE A MINIMUM YIELD STRENGTH OF 50,000 PSI AND BE ASTM A615 OR

S CONTAINING REINFORCEMENT SHALL BE GROUTED SOLID. BE PROVIDED AN 8" DEEP LINTEL WITH (1) #4 BAR. LINTEL SHALL EXTEND AT

BRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION IS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.

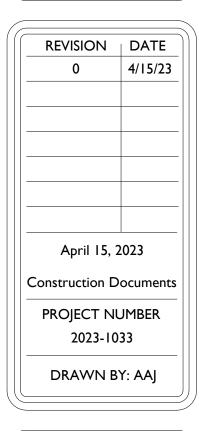
ASTM A500 GR. B, Fy = 46 KSI

<u>STRUCTURAL NOTES (CONT.):</u>

HOR BOLTS SHALL BE HILTI HIT HY200, OR APPROVED EQUIVALENT E SUPPLIED WITH A 1-1/2" DIA. WASHERS

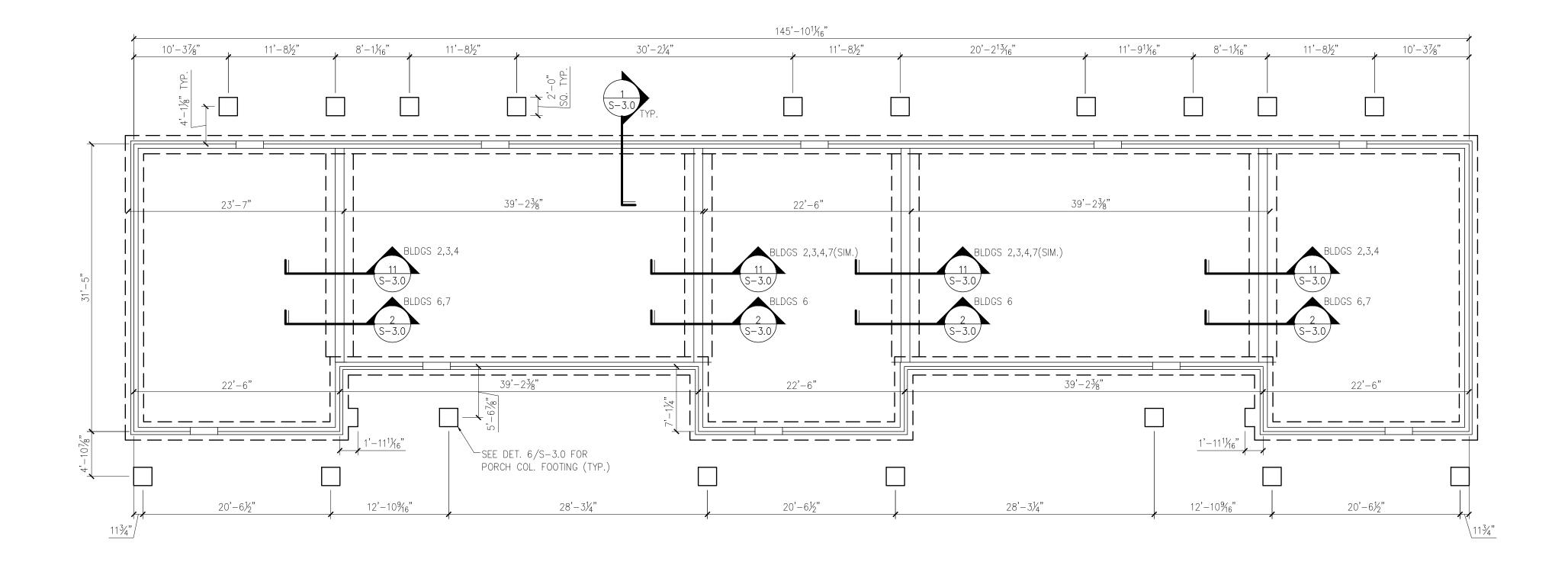
. BE E-70XX OR EQUIVALENT FOR PROCESS USED NE BY A QUALIFIED WELDER IN ACCORDANCE WITH THE LATEST EDITION OF THE

| THE MANNER AND THE  |
|---|
| MICHAEL H.<br>HENDRIX<br>3074<br>VCENSCUT<br>VCENSCUT<br>VAL  |
|   |
| REB   |
| 103 WIND HAVEN DR, STE. 101<br>NICHOLASVILLE, KY 40356<br>859.523.1500                                      |
| 1733 Campus Plaza Court,<br>Suite 10<br>Bowling Green, KY 42101<br>Phone: 270-796-3052<br>Fax: 270-842-3102 |

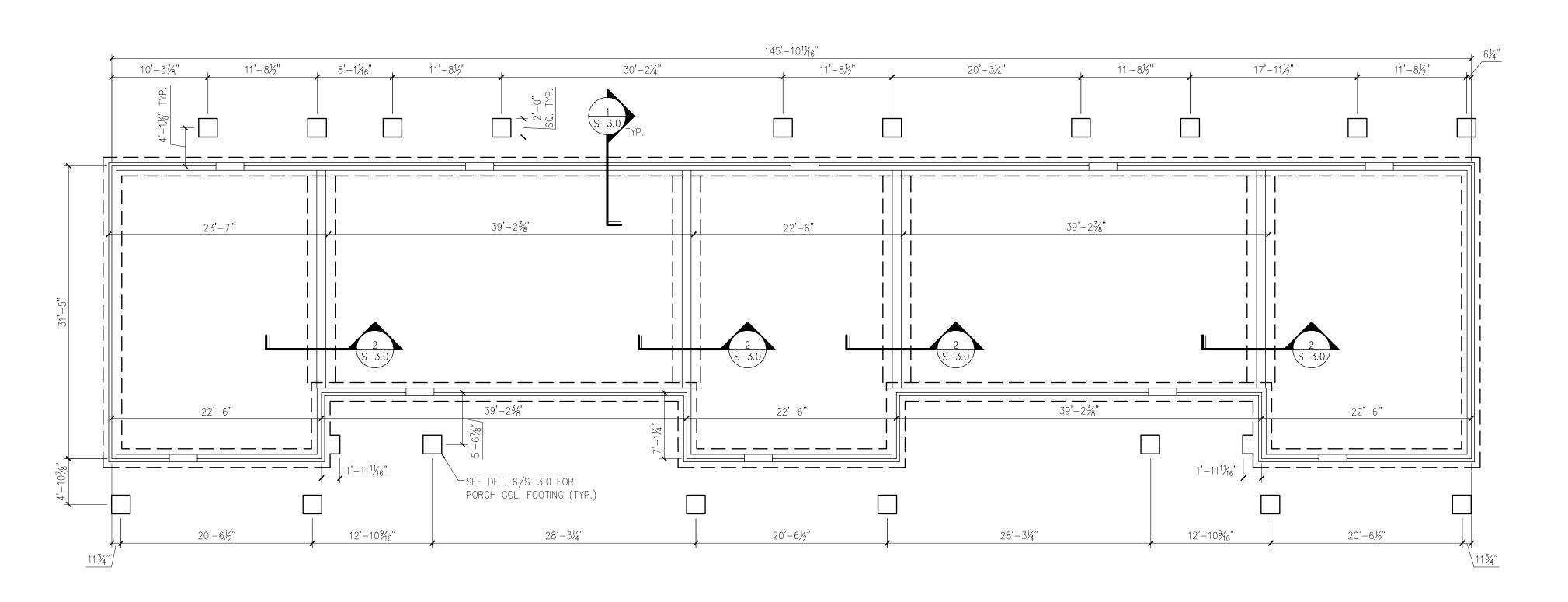




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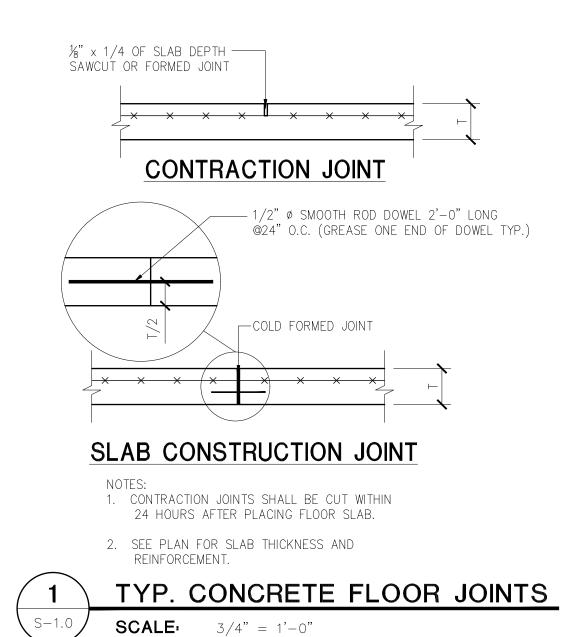
### BLDG TYPE I, BLDG'S 2,3,4,6,7 FDN PLANS

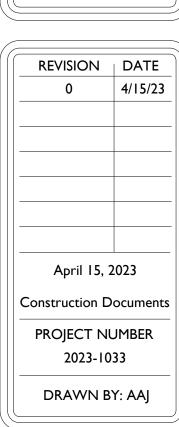
### BLDG TYPE Ia, BLDG 8 FDN PLAN В

**SCALE:** 1/8" = 1'-0"



- 1. ALL SLABS ARE 4" CONCRETE W/6"X6" W1.4XW1.4 W.W.F. ON 6 MIL. VAPOR BARRIER AND 4" COMPACTED STONE BASE. (SLAB ELEV. FOR EACH BUILDING REFERENCED TO 100'-0", SEE CIVIL FOR ACTUAL ELEVATIONS.)
- 2. CONSTRUCTION/CONTROL JOINTS SHALL BE A MAX. OF 20'-0" ON CENTER (JOINTS SHALL FOLLOW WALLS WHERE POSSIBLE). JOINTS SHALL BÈ INSTALLED WITH IN 24 HRS OF CONCRETE PLÁCEMENT (SEE DET. 1/S–1.0)
- 3. DIMENSIONS AT FOUNDATION WALLS ARE TAKEN FROM EXTERIOR FACE OF 6" CMU WALL.
- 4. THE GEOTECHNICAL ENGINEER SHALL VERIFY MOISTURE CONTENT OF THE SOIL SUB-GRADE PRIOR TO STONE BASE PLACEMENT IN THE BUILDING PAD FOR COMPLIANCE WITH THE GEOTECHNICAL REPORT.





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ARCHITECTS

103 WIND HAVEN DR, STE. 101

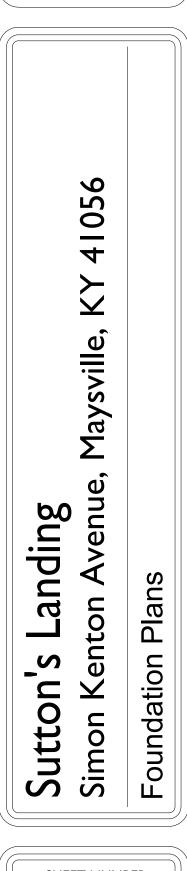
NICHOLASVILLE, KY 40356

859.523.1500

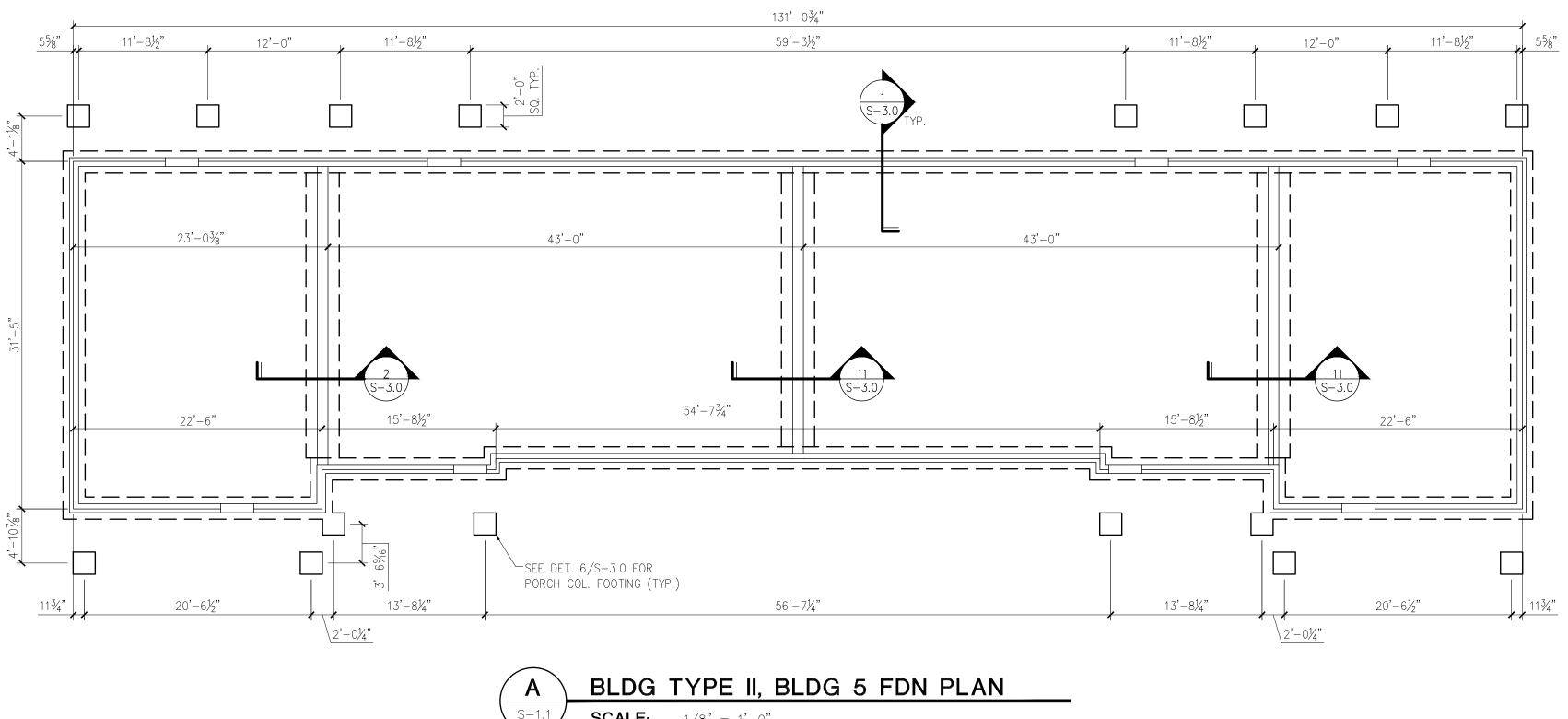
Engineering

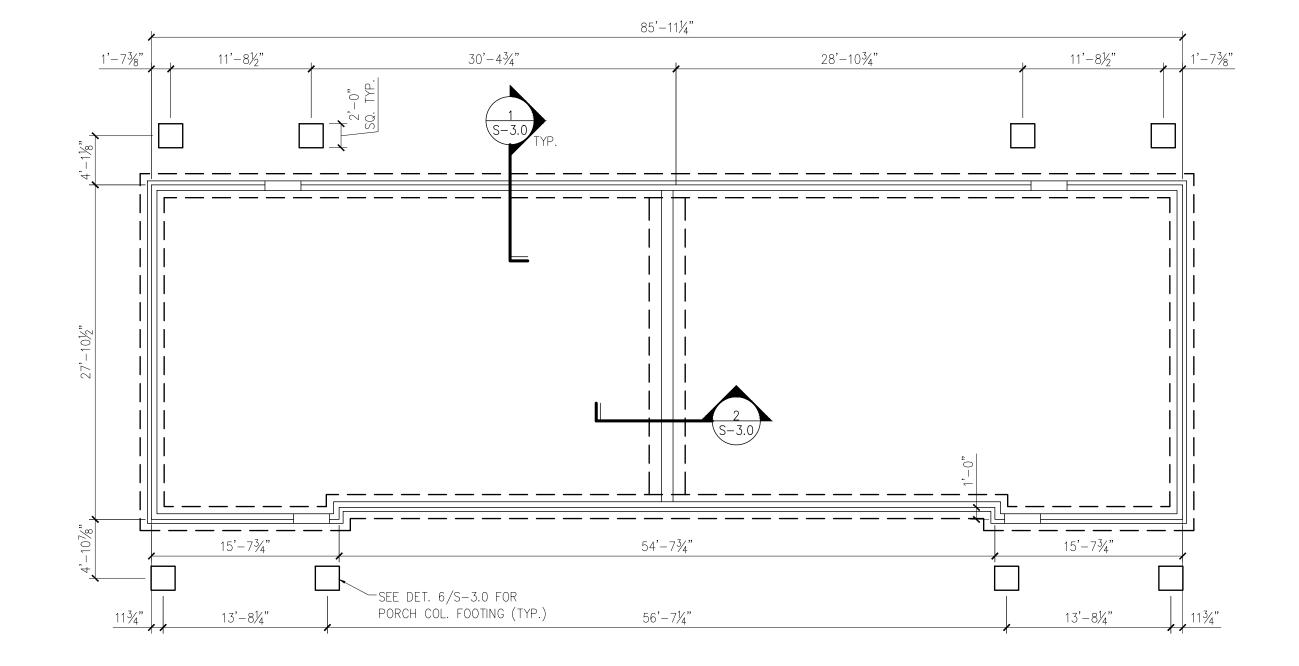
1733 Campus Plaza Court, Suite 10 Bowling Green, KY 42101 Phone: 270-796-3052 Fax: 270-842-3102

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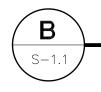








**SCALE:** 1/8" = 1'-0"



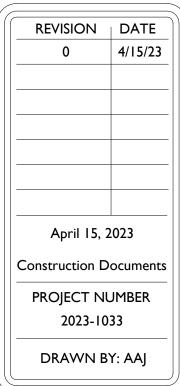
BUILDING TYPE III FOUNDATION PLAN

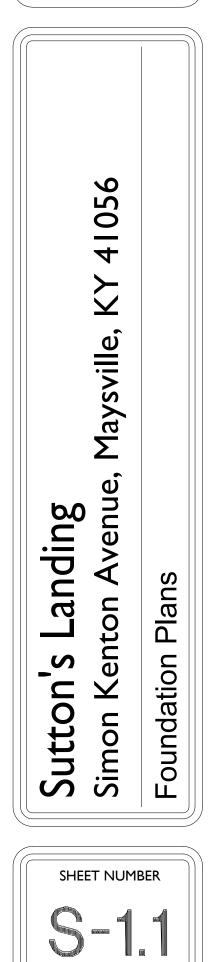
**SCALE:** 1/8" = 1'-0"

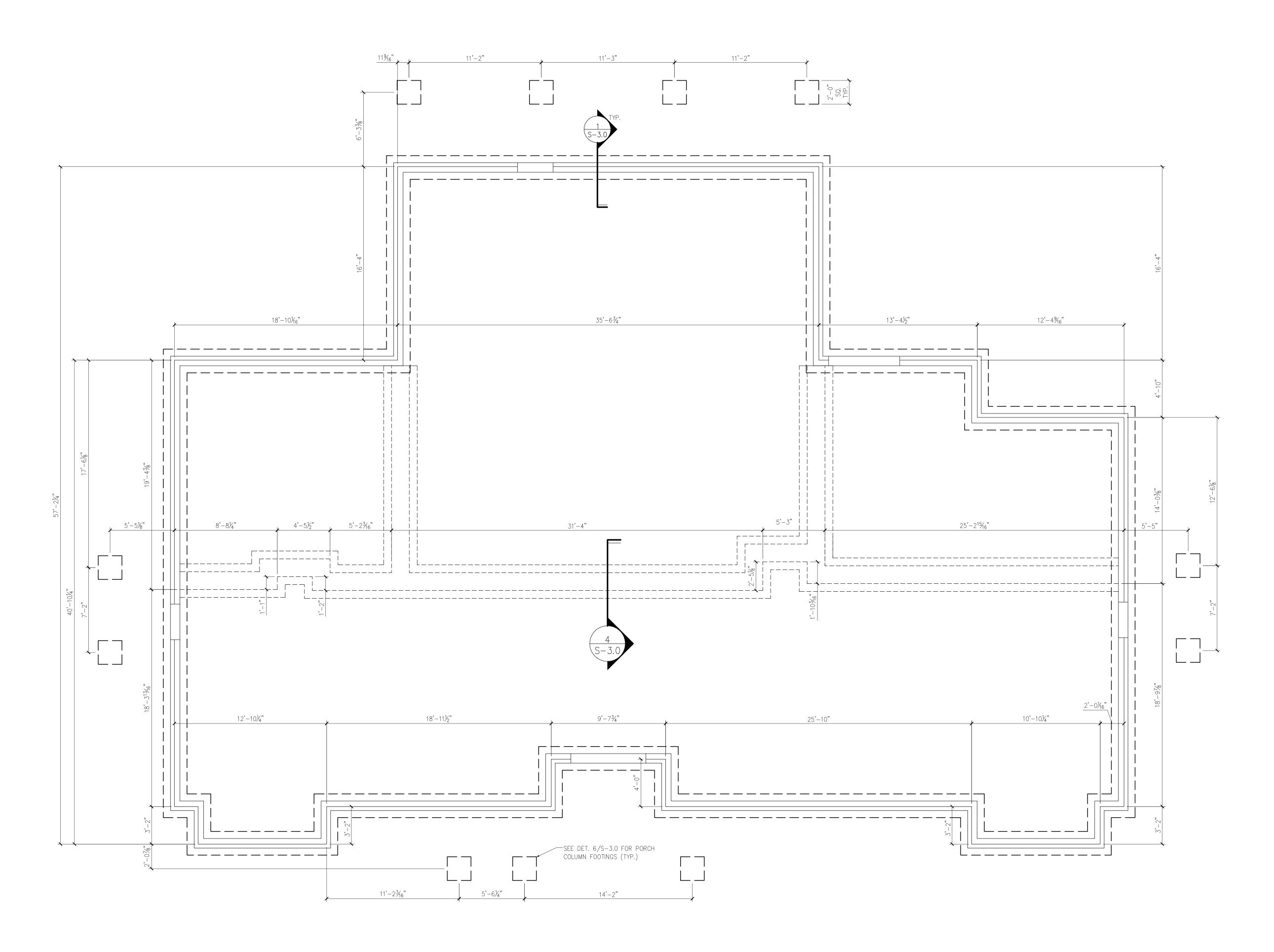
FOUNDATION/SLAB NOTES:

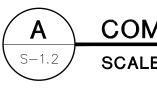
- ALL SLABS ARE 4" CONCRETE W/6"X6" W1.4XW1.4 W.W.F. ON 6 MIL. VAPOR BARRIER AND 4" COMPACTED STONE BASE. (SLAB ELEV. FOR EACH BUILDING REFERENCED TO 100'-0", SEE CIVIL FOR ACTUAL ELEVATIONS.)
- 2. CONSTRUCTION/CONTROL JOINTS SHALL BE A MAX. OF 20'-0" ON CENTER (JOINTS SHALL FOLLOW WALLS WHERE POSSIBLE). JOINTS SHALL BE INSTALLED WITH IN 24 HRS OF CONCRETE PLACEMENT (SEE DET. 1/S-1.0)
- 3. DIMENSIONS AT FOUNDATION WALLS ARE TAKEN FROM EXTERIOR FACE OF 6" CMU WALL.
- 4. THE GEOTECHNICAL ENGINEER SHALL VERIFY MOISTURE CONTENT OF THE SOIL SUB-GRADE PRIOR TO STONE BASE PLACEMENT IN THE BUILDING PAD FOR COMPLIANCE WITH THE GEOTECHNICAL REPORT.











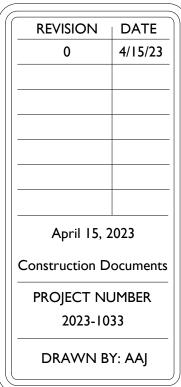
### COMMUNITY BUILDING FOUNDATION PLAN

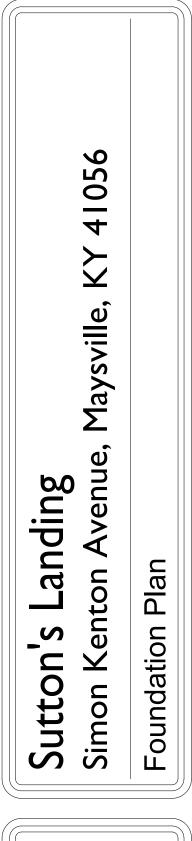
**SCALE:** 1/4" = 1'-0"

FOUNDATION/SLAB NOTES:

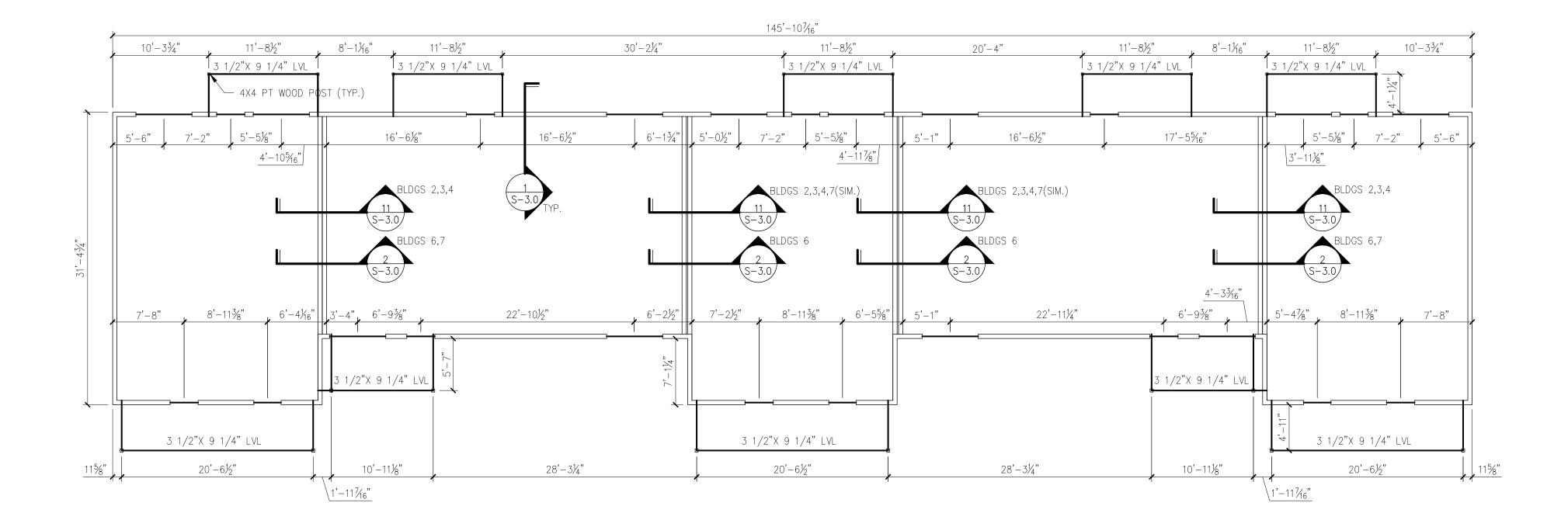
- ALL SLABS ARE 4" CONCRETE W/6"X6" W1.4XW1.4 W.W.F. ON 6 MIL. VAPOR BARRIER AND 4" COMPACTED STONE BASE. (SLAB ELEV. FOR EACH BUILDING REFERENCED TO 100'-0", SEE CIVIL FOR ACTUAL ELEVATIONS.)
- 2. CONSTRUCTION/CONTROL JOINTS SHALL BE A MAX. OF 20'-0" ON CENTER (JOINTS SHALL FOLLOW WALLS WHERE POSSIBLE). JOINTS SHALL BE INSTALLED WITH IN 24 HRS OF CONCRETE PLACEMENT (SEE DET. 1/S-1.0)
- DIMENSIONS AT FOUNDATION WALLS ARE TAKEN FROM EXTERIOR FACE OF 6" CMU WALL.
- 4. THE GEOTECHNICAL ENGINEER SHALL VERIFY MOISTURE CONTENT OF THE SOIL SUB-GRADE PRIOR TO STONE BASE PLACEMENT IN THE BUILDING PAD FOR COMPLIANCE WITH THE GEOTECHNICAL REPORT.



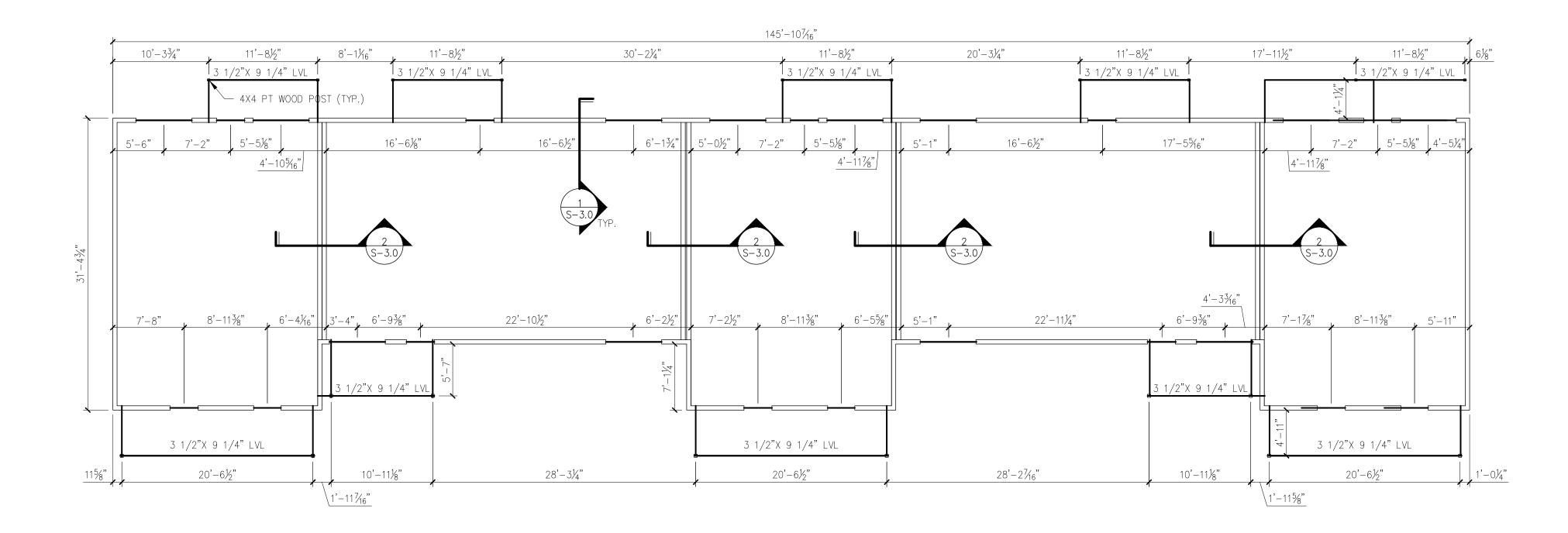




| $\left[ \right]$ | SHEET NUMBER | $\left \right $ |
|------------------|--------------|-----------------|
|                  | <u>S-1.2</u> |                 |









**SCALE:** 1/8" = 1'-0"

S-1.3

BUILDING TYPES I & IA STRUCTURAL WALL NOTES:

1. WALLS AND OTHER STRUCTURE SHOWN ON THIS DRAWING ARE NECESSARY TO SUPPORT VERTICAL AND LATERAL LOADS. CHANGES TO THESE WALLS SHALL BE COORDINATED WITH THE STRUCTURAL ENGINEER. FOR OTHER WALLS AND COMPLETE WALL ARRANGEMENT SEE ARCHITECTURAL DRAWINGS.

2. ALL EXTERIOR WOOD FRAMED WALLS SHOWN ON THIS DRAWING SHALL BE 2X6 CONSTRUCTION @ 16" O.C., U.N.O. ALL INTERIOR WOOD FRAMED WALLS SHALL BE 2X4 CONSTRUCTION @ 16" O.C., UNLESS OTHERWISE SPECIFIED ON THE ARCHITECTURAL DRAWINGS. ALL WALLS SHOWN ON THESE STRUCTURAL PLANS SHALL HAVE A MINIMUM OF 1 SIDE SHEATHED WITH 1/2" NOM. OSB, UNLESS OTHERWISE NOTED.

3. OSB SHEATHING SHALL BE CONNECTED TO WOOD MEMBERS WITH 8D NAILS AT A MAXIMUM OF 6" O.C SPACING. ORIENT SHEETS VERTICALLY AND ENSURE ALL EDGES ARE AGAINST FRAMING MATERIAL. PROVIDE 2X BLOCKING EQUAL TO THE WALL DIMENSION AT ANY FREE EDGES OF A SHEET.

4. DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. COORDINATE ACTUAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.

5. TOP OF WALL/BEAM ELEVATION IS  $108'-1\frac{1}{8}$ " UNLESS NOTED OTHERWISE.

6. LVL MEANS 2.0E MICROLLAM LVL AS MANUFACTURED BY TRUSJOIST.

7. BEAMS THAT FRAME INTO THE END OF A WALL SHALL BEAR IN A BEAM POCKET PER DETAIL 4/S-3.1.

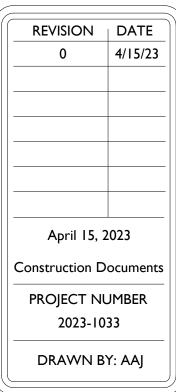
8. ALL FIRST FLOOR STRUCTURAL WALLS SHALL BE CONNECTED TO THE FOUNDATION AND OR SLAB WITH 1/2" DIA. ANCHOR BOLTS (EPOXY GROUTED BOLTS ALLOWED) SPACED AT NO MORE THAN 32" O.C. ONE ANCHOR BOLT SHALL BE LOCATED WITHIN 6" OF EACH END OF ANY SOLE PLATE OR WALL SEGMENT. ANCHOR BOLTS SHALL HAVE A  $3^{"}X3^{"}X4^{"}$  SQUARE WASHER ON TOP OF SILL PLATE. EACH SOLE PLATE SHALL HAVE A MINIMUM OF TWO (2) ANCHOR BOLTS.

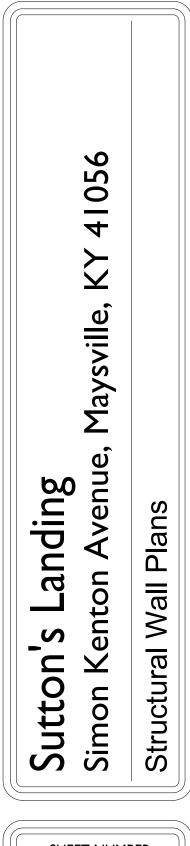
9. FOR COMPLETE STRUCTURAL NOTES SEE DRAWING S-0.1.

10. ALL WALL OPENINGS IN FIRST FLOOR STRUCTURAL WALLS SHALL HAVE A HEADER CONSTRUCTED IN ACCORDANCE WITH THE HEADER TABLE BELOW FOR THE WIDTH OF THE OPENING FRAMED, UNLESS INDICATED OTHERWISE ON THE PLAN. BRICK LINTELS FOR OPENINGS IN THE BRICK VENEER SHALL BE AS INDICATED IN THE TABLE (BRICK LINTELS ARE LOOSE LINTELS)

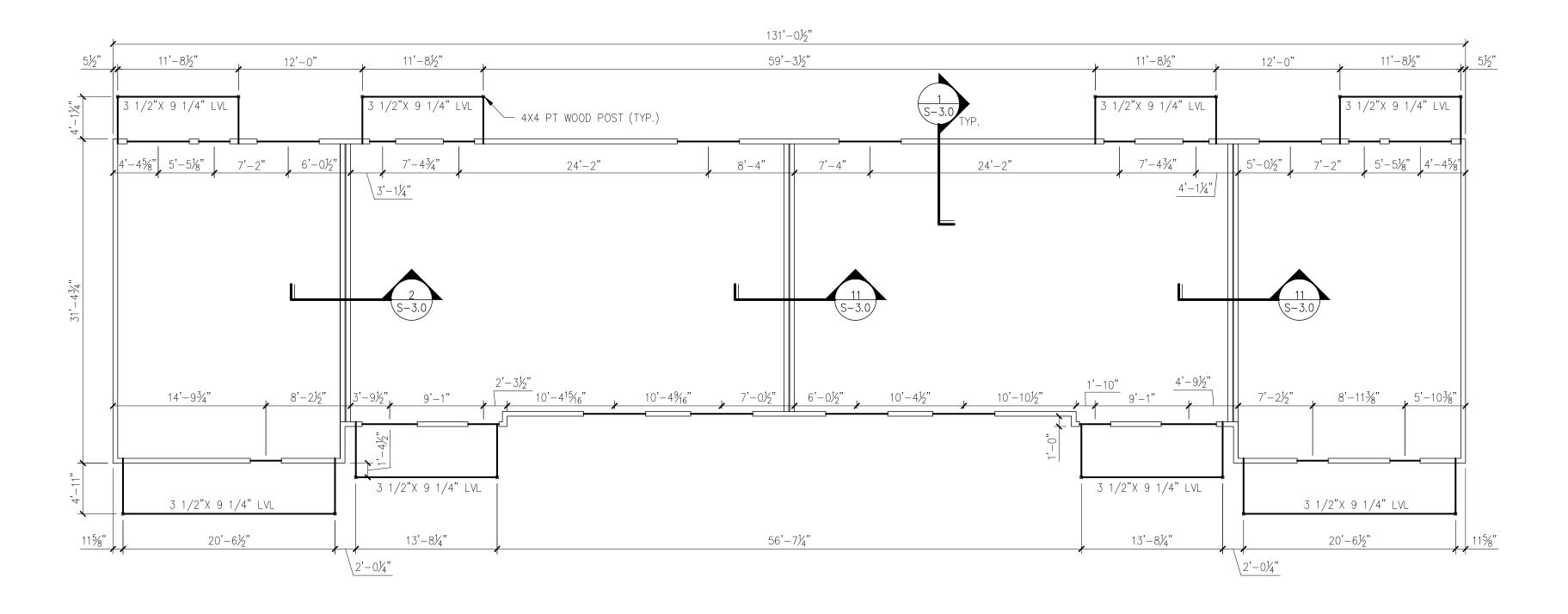
| OPENING  | HEADER                | JACK             | KING             | BRICK            |
|----------|-----------------------|------------------|------------------|------------------|
| SIZE     | SIZE                  | STUDS            | STUDS            | LINTELS          |
| <= 6'-4" | (2) 2X10'S            | (1) STUD         | (2) STUDS        | L5X3X1/4 LLV     |
| <= 8'-4" | (2) 1-3/4"X9-1/4" LVL | (2) STUDS        | (3) STUDS        | L5X3X1/4 LLV     |
| > 8'-4"  | SEE DRAWING OR        | see drawing or   | see drawing or   | SEE DRAWING OR   |
| 201      | CONTACT ENGINEER      | CONTACT ENGINEER | CONTACT ENGINEER | CONTACT ENGINEER |



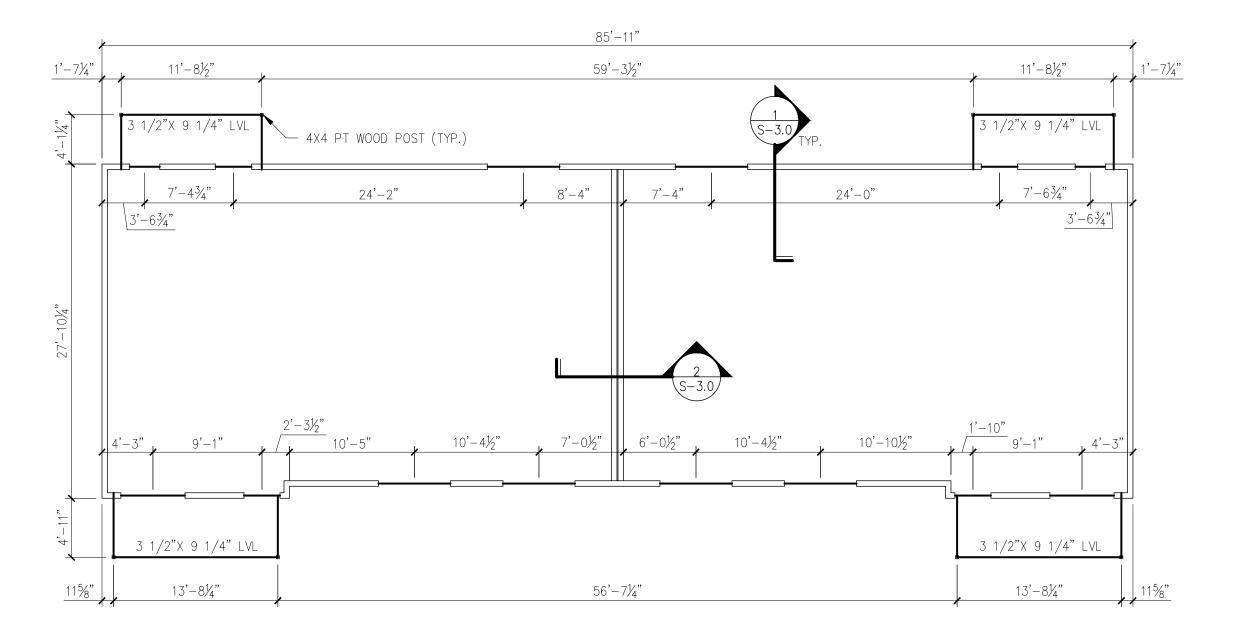












## BUILDING TYPE II STRUCTURAL WALL PLAN



BUILDING TYPES II & III STRUCTURAL WALL NOTES:

1. WALLS AND OTHER STRUCTURE SHOWN ON THIS DRAWING ARE NECESSARY TO SUPPORT VERTICAL AND LATERAL LOADS. CHANGES TO THESE WALLS SHALL BE COORDINATED WITH THE STRUCTURAL ENGINEER. FOR OTHER WALLS AND COMPLETE WALL ARRANGEMENT SEE ARCHITECTURAL DRAWINGS.

2. ALL EXTERIOR WOOD FRAMED WALLS SHOWN ON THIS DRAWING SHALL BE 2X6 CONSTRUCTION @ 16" O.C., U.N.O. ALL INTERIOR WOOD FRAMED WALLS SHALL BE 2X4 CONSTRUCTION @ 16" O.C., UNLESS OTHERWISE SPECIFIED ON THE ARCHITECTURAL DRAWINGS. ALL WALLS SHOWN ON THESE STRUCTURAL PLANS SHALL HAVE A MINIMUM OF 1 SIDE SHEATHED WITH 1/2" NOM. OSB, UNLESS OTHERWISE NOTED.

3. OSB SHEATHING SHALL BE CONNECTED TO WOOD MEMBERS WITH 8D NAILS AT A MAXIMUM OF 6" O.C SPACING. ORIENT SHEETS VERTICALLY AND ENSURE ALL EDGES ARE AGAINST FRAMING MATERIAL. PROVIDE 2X BLOCKING EQUAL TO THE WALL DIMENSION AT ANY FREE EDGES OF A SHEET.

4. DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. COORDINATE ACTUAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.

5. TOP OF WALL/BEAM ELEVATION IS  $108'-1\frac{1}{8}$ " UNLESS NOTED OTHERWISE.

6. LVL MEANS 2.0E MICROLLAM LVL AS MANUFACTURED BY TRUSJOIST.

7. BEAMS THAT FRAME INTO THE END OF A WALL SHALL BEAR IN A BEAM POCKET PER DETAIL 4/S-3.1.

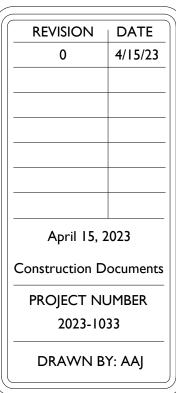
8. ALL FIRST FLOOR STRUCTURAL WALLS SHALL BE CONNECTED TO THE FOUNDATION AND OR SLAB WITH 1/2" DIA. ANCHOR BOLTS (EPOXY GROUTED BOLTS ALLOWED) SPACED AT NO MORE THAN 32" O.C. ONE ANCHOR BOLT SHALL BE LOCATED WITHIN 6" OF EACH END OF ANY SOLE PLATE OR WALL SEGMENT. ANCHOR BOLTS SHALL HAVE A 3"X3"X4" SQUARE WASHER ON TOP OF SILL PLATE. EACH SOLE PLATE SHALL HAVE A MINIMUM OF TWO (2) ANCHOR BOLTS.

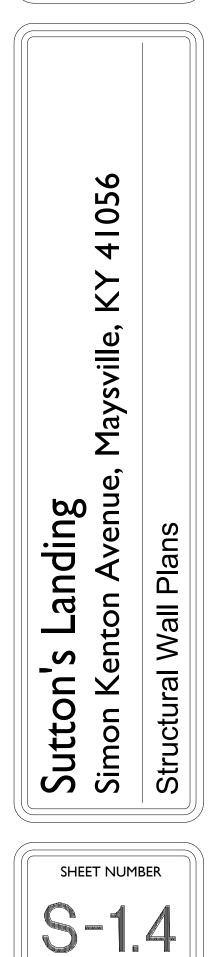
9. FOR COMPLETE STRUCTURAL NOTES SEE DRAWING S-0.1.

10. ALL WALL OPENINGS IN FIRST FLOOR STRUCTURAL WALLS SHALL HAVE A HEADER CONSTRUCTED IN ACCORDANCE WITH THE HEADER TABLE BELOW FOR THE WIDTH OF THE OPENING FRAMED, UNLESS INDICATED OTHERWISE ON THE PLAN. BRICK LINTELS FOR OPENINGS IN THE BRICK VENEER SHALL BE AS INDICATED IN THE TABLE (BRICK LINTELS ARE LOOSE LINTELS)

| OPENING  | HEADER                | JACK             | KING             | BRICK            |
|----------|-----------------------|------------------|------------------|------------------|
| SIZE     | SIZE                  | STUDS            | STUDS            | LINTELS          |
| <= 6'-4" | (2) 2X10'S            | (1) STUD         | (2) STUDS        | L5X3X1/4 LLV     |
| <= 8'-4" | (2) 1-3/4"X9-1/4" LVL | (2) STUDS        | (3) STUDS        | L5X3X1/4 LLV     |
| > 8'-4"  | SEE DRAWING OR        | see drawing or   | see drawing or   | see drawing or   |
| / 0      | CONTACT ENGINEER      | CONTACT ENGINEER | CONTACT ENGINEER | CONTACT ENGINEER |







COMMUNITY BUILDING STRUCTURAL WALL NOTES:

1. WALLS AND OTHER STRUCTURE SHOWN ON THIS DRAWING ARE NECESSARY TO SUPPORT VERTICAL AND LATERAL LOADS. CHANGES TO THESE WALLS SHALL BE COORDINATED WITH THE STRUCTURAL ENGINEER. FOR OTHER WALLS AND COMPLETE WALL ARRANGEMENT SEE ARCHITECTURAL DRAWINGS.

2. ALL EXTERIOR WOOD FRAMED WALLS SHOWN ON THIS DRAWING SHALL BE 2X6 CONSTRUCTION @ 16" O.C., U.N.O. ALL INTERIOR WOOD FRAMED WALLS SHALL BE 2X4 CONSTRUCTION @ 16" O.C., UNLESS OTHERWISE SPECIFIED ON THE ARCHITECTURAL DRAWINGS. ALL WALLS SHOWN ON THESE STRUCTURAL PLANS SHALL HAVE A MINIMUM OF 1 SIDE SHEATHED WITH 1/2" NOM. OSB, UNLESS OTHERWISE NOTED.

3. OSB SHEATHING SHALL BE CONNECTED TO WOOD MEMBERS WITH 8D NAILS AT A MAXIMUM OF 6" O.C SPACING. ORIENT SHEETS VERTICALLY AND ENSURE ALL EDGES ARE AGAINST FRAMING MATERIAL. PROVIDE 2X BLOCKING EQUAL TO THE WALL DIMENSION AT ANY FREE EDGES OF A SHEET.

4. DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. COORDINATE ACTUAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.

5. TOP OF WALL/BEAM ELEVATION IS  $108'-1\frac{1}{8}"$  UNLESS NOTED OTHERWISE.

6. LVL MEANS 2.0E MICROLLAM LVL AS MANUFACTURED BY TRUSJOIST.

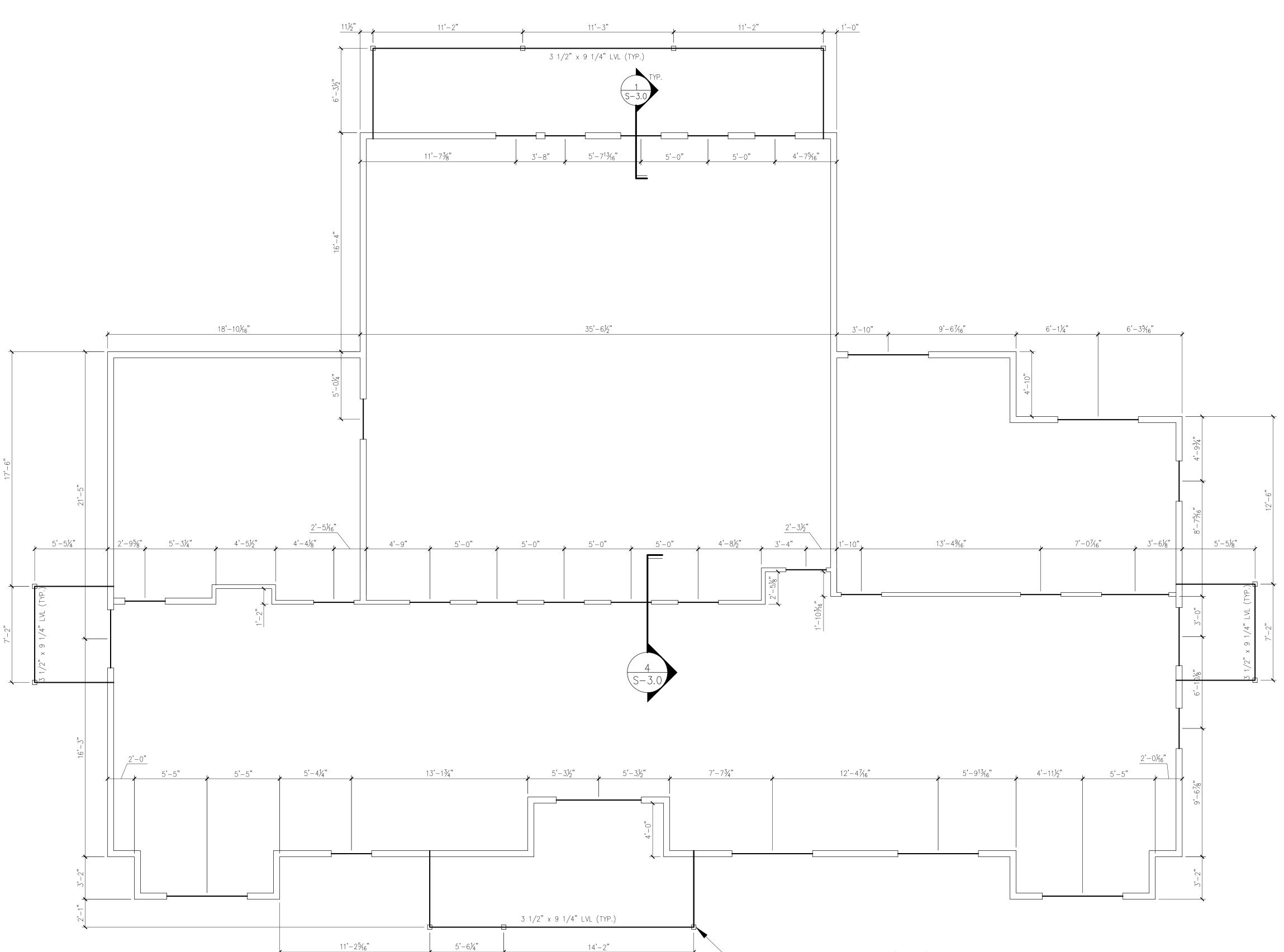
7. BEAMS THAT FRAME INTO THE END OF A WALL SHALL BEAR IN A BEAM POCKET PER DETAIL 4/S-3.1.

8. ALL FIRST FLOOR STRUCTURAL WALLS SHALL BE CONNECTED TO THE FOUNDATION AND OR SLAB WITH 1/2" DIA. ANCHOR BOLTS (EPOXY GROUTED BOLTS ALLOWED) SPACED AT NO MORE THAN 32" O.C. ONE ANCHOR BOLT SHALL BE LOCATED WITHIN 6" OF EACH END OF ANY SOLE PLATE OR WALL SEGMENT. ANCHOR BOLTS SHALL HAVE A 3"X3"X $\frac{1}{4}$ " SQUARE WASHER ON TOP OF SILL PLATE. EACH SOLE PLATE SHALL HAVE A MINIMUM OF TWO (2) ANCHOR BOLTS.

9. FOR COMPLETE STRUCTURAL NOTES SEE DRAWING S-0.1.

10. ALL WALL OPENINGS IN FIRST FLOOR STRUCTURAL WALLS SHALL HAVE A HEADER CONSTRUCTED IN ACCORDANCE WITH THE HEADER TABLE BELOW FOR THE WIDTH OF THE OPENING FRAMED, UNLESS INDICATED OTHERWISE ON THE PLAN. BRICK LINTELS FOR OPENINGS IN THE BRICK VENEER SHALL BE AS INDICATED IN THE TABLE (BRICK LINTELS ARE LOOSE LINTELS)

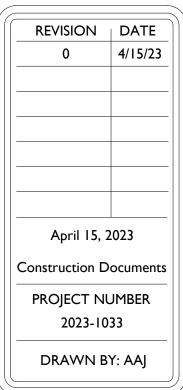
| OPENING  | HEADER                | JACK             | KING             | BRICK            |
|----------|-----------------------|------------------|------------------|------------------|
| SIZE     | SIZE                  | STUDS            | STUDS            | LINTELS          |
| <= 6'-4" | (2) 2X10'S            | (1) STUD         | (2) STUDS        | L5X3X1/4 LLV     |
| <= 8'-4" | (2) 1-3/4"X9-1/4" LVL | (2) STUDS        | (3) STUDS        | L5X3X1/4 LLV     |
| > 8'-4"  | SEE DRAWING OR        | SEE DRAWING OR   | SEE DRAWING OR   | SEE DRAWING OR   |
|          | CONTACT ENGINEER      | CONTACT ENGINEER | CONTACT ENGINEER | CONTACT ENGINEER |

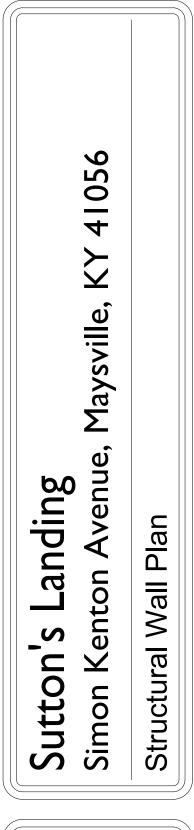


A COMMUNITY BUILDING STRUCTURAL WALL PLAN S-1.5 SCALE 1/4" = 1'-0"

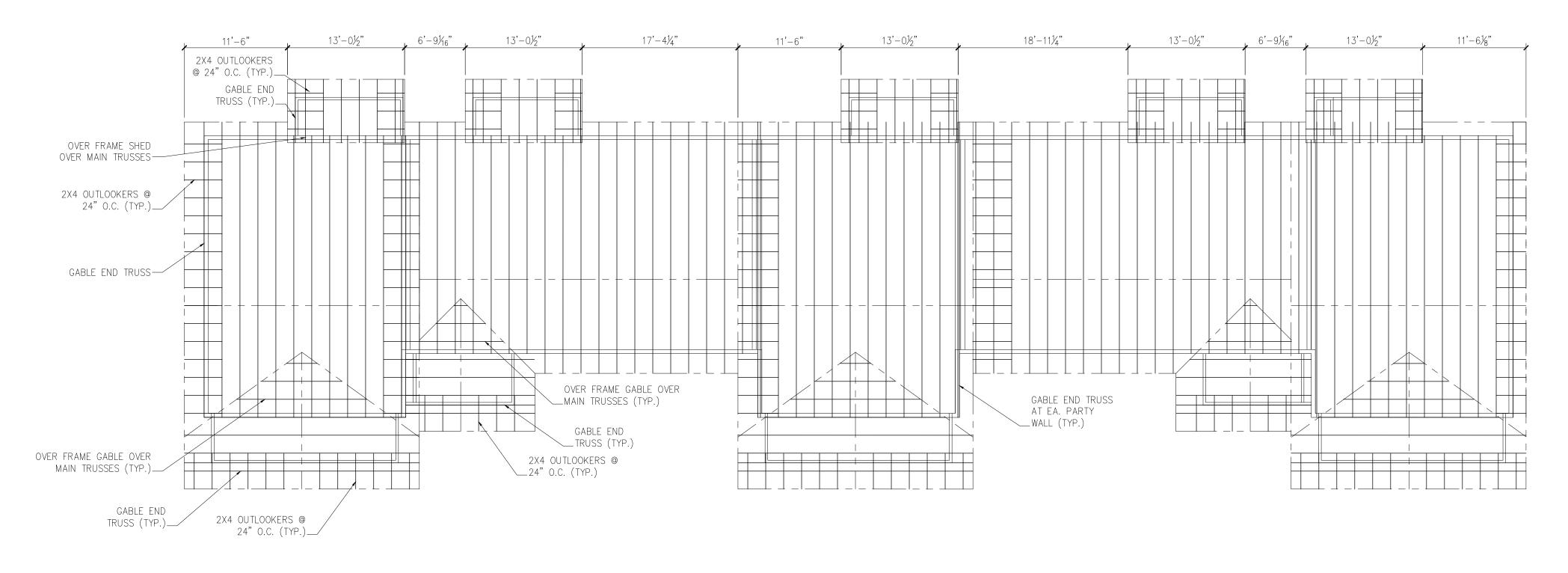
─ 4X4 PT WOOD POST (TYP.)



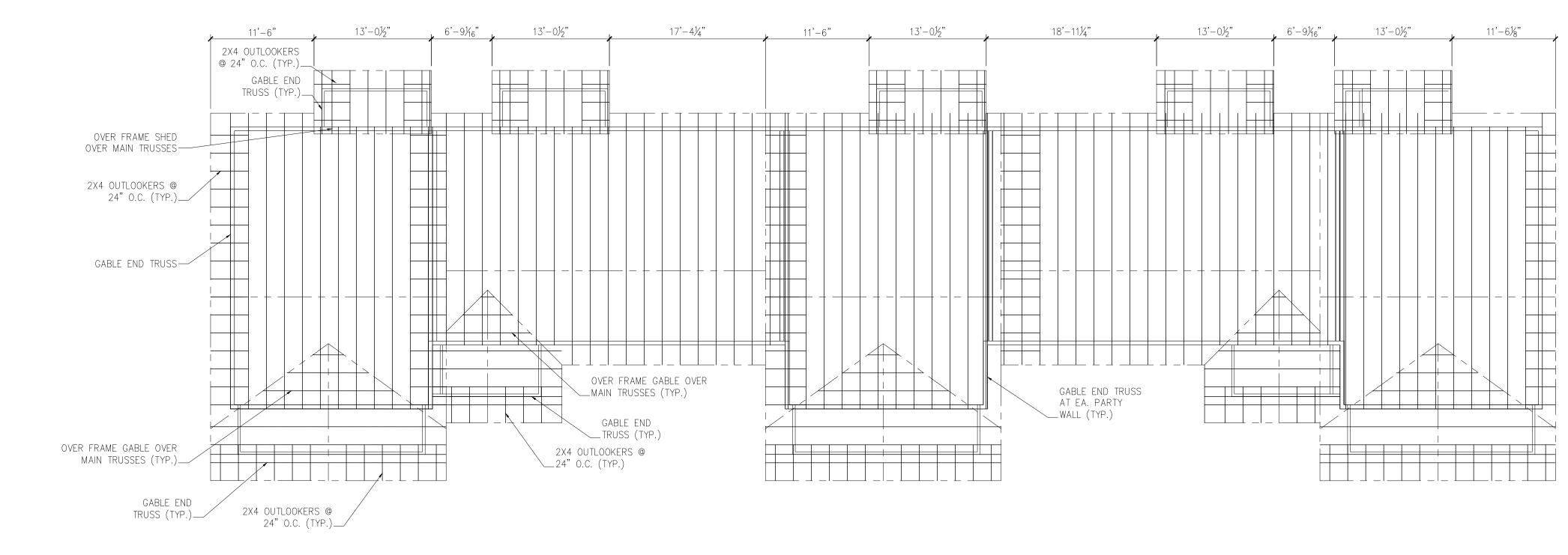




SHEET NUMBER







BUILDING TYPE I ROOF FRAMING PLAN



ROOF STRUCTURE NOTES:

1. ROOF SHALL BE FRAMED USING PREFABRICATED TRUSSES SPACED @ 24" O.C., UNLESS INDICATED OTHERWISE ON THE DRAWING.

2. ROOF DECKING TO BE 1/2" T&G PLYWOOD OR OSB W/ 24/16 MIN. SPAN RATING. CONNECT TO ROOF FRAMING WITH 8D NAILS AT 6" MAX. SPACING.

3. DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. COORDINATE ACTUAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.

4. FOR COMPLETE STRUCTURAL NOTES SEE DRAWING S-0.1.

5. TRUSS MANUFACTURER TO DESIGN TRUSSES FOR LOADING INDICATED ON DRAWING S-0.1.

6. BOTTOM CHORD OF ALL TRUSSES SHALL BE BRACED AT A MAX. OF 6'-0'' O.C (STARTING AT CENTER AND WORKING TO ENDS) W/ 2X4 MATERIAL. BRACING SPLICES SHALL OVERLAP A MINIMUM OF TWO TRUSS SPACES. ATTACH BRACING TO TRUSSES WITH (2) 10D NAILS.

7. TOP CHORD OF TRUSSES NOT CONNECTED TO THE ROOF DECK SHALL BE BRACED AT A MAX. OF 3'-0" O.C. (STARTING AT CENTER AND WORKING TO ENDS) W/ 2X4 MATERIAL. BRACING SPLICES SHALL OVERLAP A MINIMUM OF TWO TRUSS SPACES. ATTACH BRACING TO TRUSSES WITH (2) 10D NAILS.

8. ALL ROOF TRUSSES WILL BEAR AT 108–1 $\frac{1}{8}$ ", EXCEPT THOSE THAT ARE SUPPORTED ON OTHER TRUSSES OR NOTED OTHERWISE ON THE DRAWINGS.

9. VERTICAL MEMBERS, DIAGONAL MEMBERS AND JOINT LOCATIONS OF TRUSSES MUST BE BRACED PER THE TRUSS SHOP DRAWINGS. COORDINATE SPECIFIC BRACING REQUIREMENTS WITH THE TRUSS SHOP DRAWINGS. BRACING SHALL BE CONSTRUCTED OF 2X4 MATERIAL.

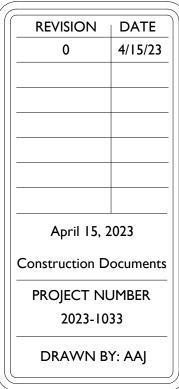
10. ALL TRUSSES SHALL BE CONNECTED TO SUPPORTING STRUCTURE AT EACH SUPPORT LOCATION WITH (2) H3 SIMPSON STRONGTIES CLIPS WITH (4) 8D NAILS INTO EACH MEMBER CONNECTED FOR EACH CLIP USED. (SEE DETAIL 9/S-3.0).

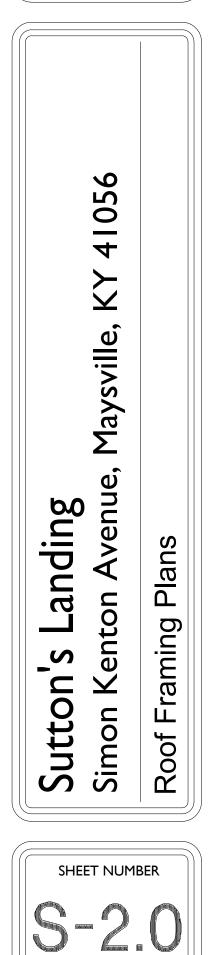
11. TRUSSES SHALL BE BRACED AGAINST OVERTURNING USING ONE OF THE FOLLOWING METHODS:1. FULL DEPTH 2X BLOCKING BETWEEN TRUSSES AT SUPPORT WALL

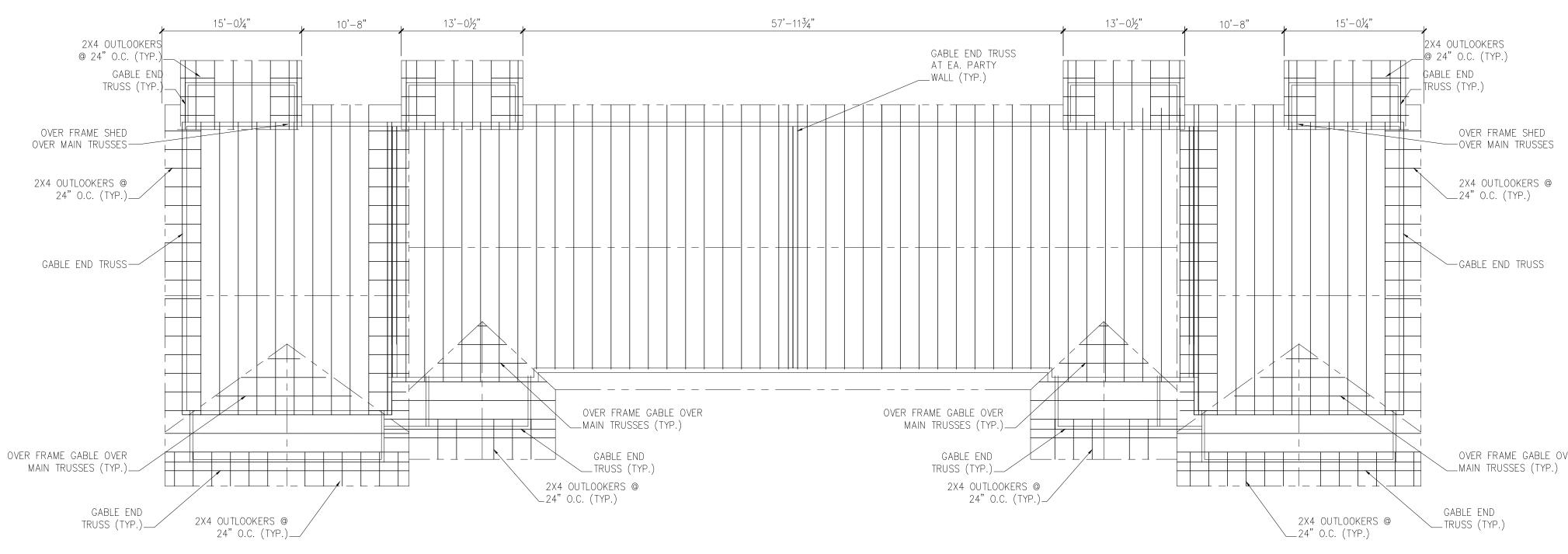
2X BLOCKING MATERIAL DETAIL 3/S-3.1
 3. BRACED BY PERPENDICULAR TRUSSES.

12. TRUSSES PARALLEL TO SUPPORT WALLS SHALL BE ATTACHED TO THE WALL WITH (1) H3 SIMPSON STRONGTIE CLIP EVERY  $2^{2}-0^{2}$ . IF WALL IS NOT DIRECTLY BELOW TRUSS THEN DETAIL 2/S-3.1 SHALL BE USED FOR CONNECTION.

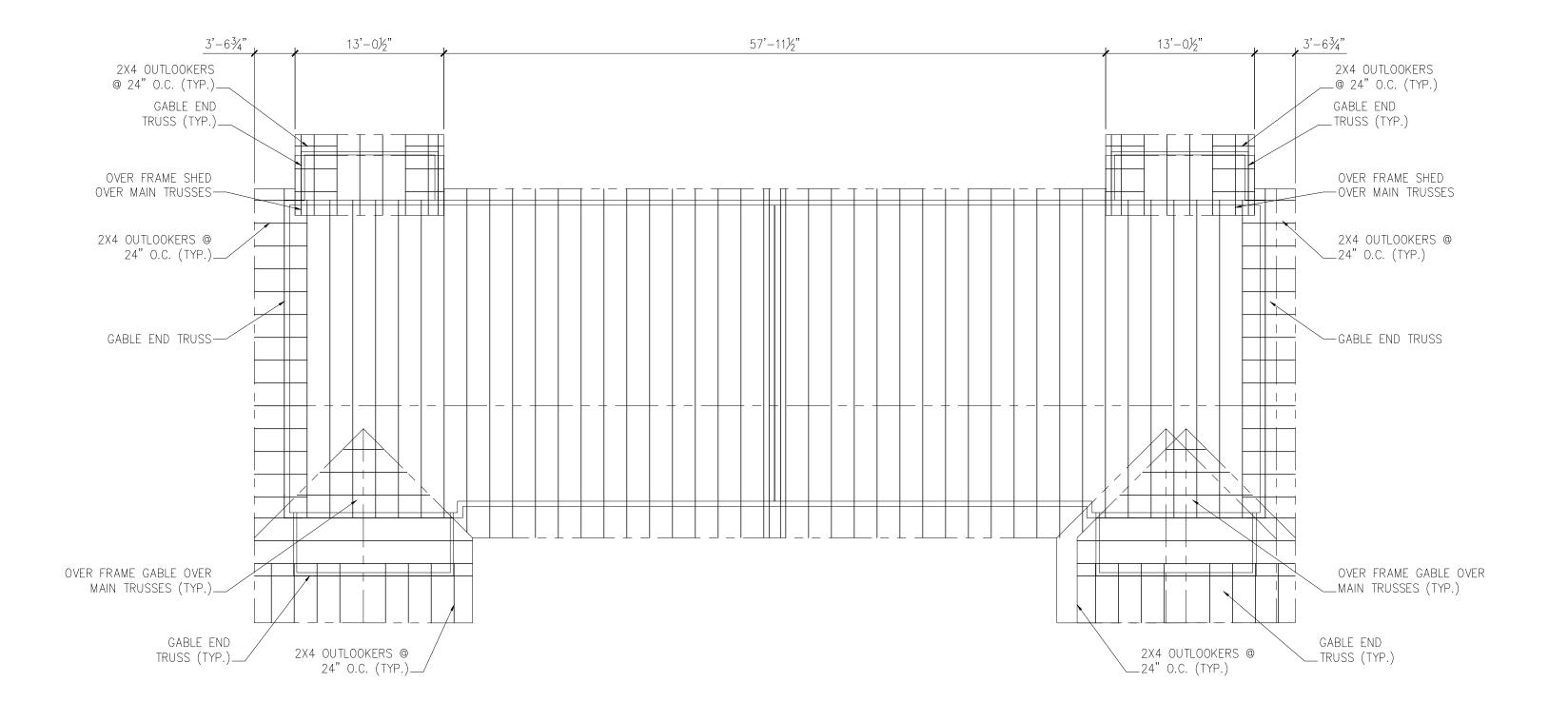












## BUILDING TYPE II ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"



ROOF STRUCTURE NOTES:

1. ROOF SHALL BE FRAMED USING PREFABRICATED TRUSSES SPACED @ 24" O.C., UNLESS INDICATED OTHERWISE ON THE DRAWING.

2. ROOF DECKING TO BE 1/2" T&G PLYWOOD OR OSB W/ 24/16 MIN. SPAN RATING. CONNECT TO ROOF FRAMING WITH 8D NAILS AT 6" MAX. SPACING.

3. DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. COORDINATE ACTUAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.

4. FOR COMPLETE STRUCTURAL NOTES SEE DRAWING S-0.1.

5. TRUSS MANUFACTURER TO DESIGN TRUSSES FOR LOADING INDICATED ON DRAWING S-0.1.

6. BOTTOM CHORD OF ALL TRUSSES SHALL BE BRACED AT A MAX. OF 6'-0" O.C (STARTING AT CENTER AND WORKING TO ENDS) W/ 2X4 MATERIAL. BRACING SPLICES SHALL OVERLAP A MINIMUM OF TWO TRUSS SPACES. ATTACH BRACING TO TRUSSES WITH (2) 10D NAILS.

7. TOP CHORD OF TRUSSES NOT CONNECTED TO THE ROOF DECK SHALL BE BRACED AT A MAX. OF 3'-0" O.C. (STARTING AT CENTER AND WORKING TO ENDS) W/ 2X4 MATERIAL. BRACING SPLICES SHALL OVERLAP A MINIMUM OF TWO TRUSS SPACES. ATTACH BRACING TO TRUSSES WITH (2) 10D NAILS.

8. ALL ROOF TRUSSES WILL BEAR AT 108–1 $\frac{1}{8}$ ", EXCEPT THOSE THAT ARE SUPPORTED ON OTHER TRUSSES OR NOTED OTHERWISE ON THE DRAWINGS.

9. VERTICAL MEMBERS, DIAGONAL MEMBERS AND JOINT LOCATIONS OF TRUSSES MUST BE BRACED PER THE TRUSS SHOP DRAWINGS. COORDINATE SPECIFIC BRACING REQUIREMENTS WITH THE TRUSS SHOP DRAWINGS. BRACING SHALL BE CONSTRUCTED OF 2X4 MATERIAL.

10. ALL TRUSSES SHALL BE CONNECTED TO SUPPORTING STRUCTURE AT EACH SUPPORT LOCATION WITH (2) H3 SIMPSON STRONGTIES CLIPS WITH (4) 8D NAILS INTO EACH MEMBER CONNECTED FOR EACH CLIP USED. (SEE DETAIL 9/S-3.0).

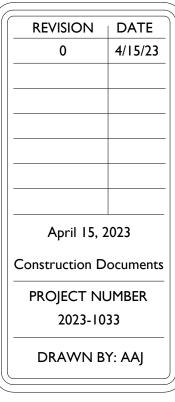
11. TRUSSES SHALL BE BRACED AGAINST OVERTURNING USING ONE OF THE FOLLOWING METHODS: 1. FULL DEPTH 2X BLOCKING BETWEEN TRUSSES AT SUPPORT WALL

2. 2X BLOCKING MATERIAL DETAIL 3/S-3.1 3. BRACED BY PERPENDICULAR TRUSSES.

12. TRUSSES PARALLEL TO SUPPORT WALLS SHALL BE ATTACHED TO THE WALL WITH (1) H3 SIMPSON STRONGTIE CLIP EVERY 2'-0". IF WALL IS NOT DIRECTLY BELOW TRUSS THEN DETAIL 2/S-3.1 SHALL BE USED FOR CONNECTION.

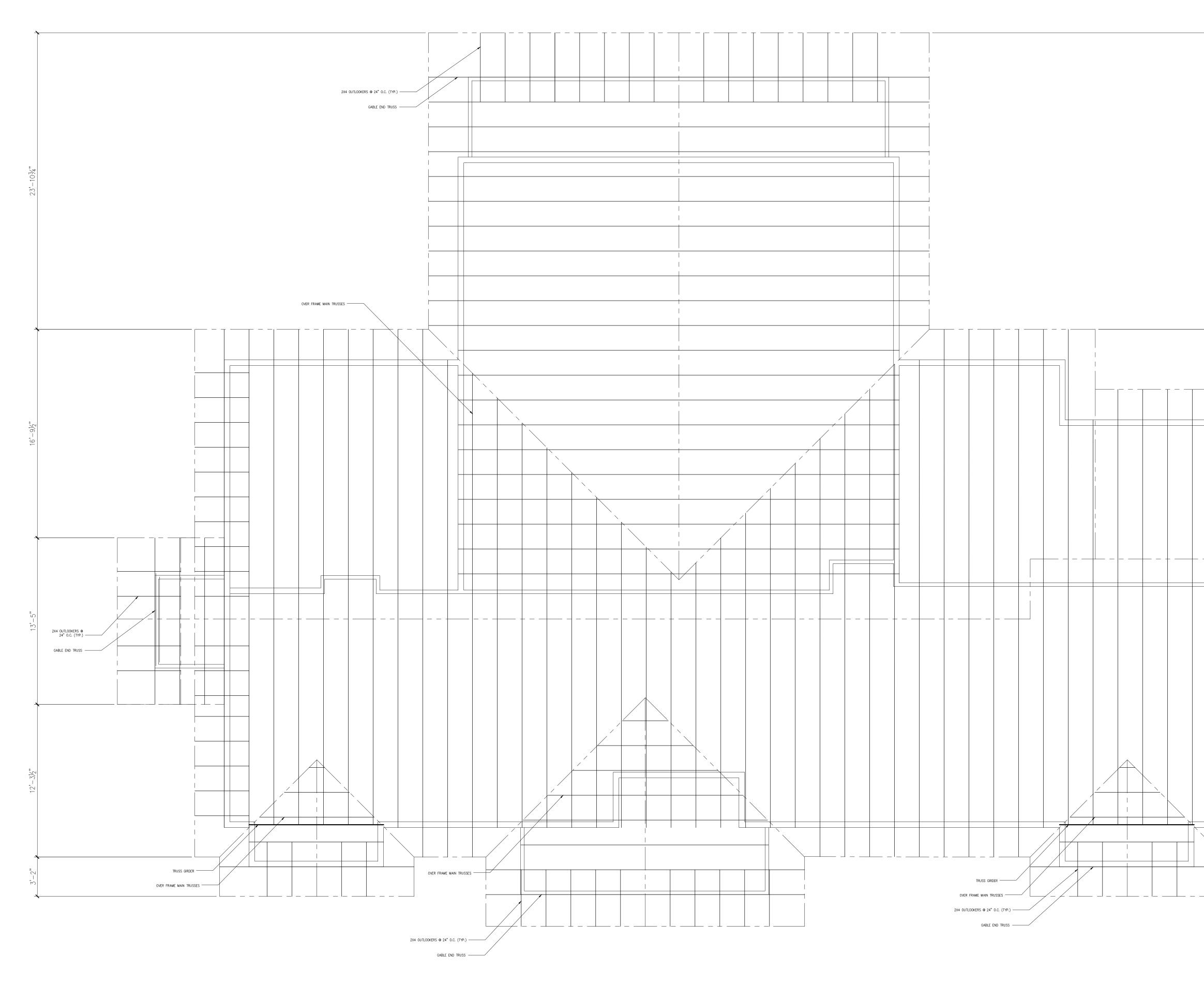
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| SHE | <br>Sutton's Landing                     |
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|     | Simon Kenton Avenue, Maysville, KY 41056 |
| BER | <br>Roof Framing Plans                   |
| )   |  |

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| 5-2.1        |  |





## COMMUNITY BUILDING ROOF FRAMING PLAN

ROOF STRUCTURE NOTES:

1. ROOF SHALL BE FRAMED USING PREFABRICATED TRUSSES SPACED @ 24" O.C., UNLESS INDICATED OTHERWISE ON THE DRAWING.

2. ROOF DECKING TO BE 1/2" T&G PLYWOOD OR OSB W/ 24/16 MIN. SPAN RATING. CONNECT TO ROOF FRAMING WITH 8D NAILS AT 6" MAX. SPACING.

3. DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. COORDINATE ACTUAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.

4. FOR COMPLETE STRUCTURAL NOTES SEE DRAWING S-0.1.

5. TRUSS MANUFACTURER TO DESIGN TRUSSES FOR LOADING INDICATED ON DRAWING S-0.1.

6. BOTTOM CHORD OF ALL TRUSSES SHALL BE BRACED AT A MAX. OF 6'—0" O.C (STARTING AT CENTER AND WORKING TO ENDS) W/ 2X4 MATERIAL. BRACING SPLICES SHALL OVERLAP A MINIMUM OF TWO TRUSS SPACES. ATTACH BRACING TO TRUSSES WITH (2) 10D NAILS.

7. TOP CHORD OF TRUSSES NOT CONNECTED TO THE ROOF DECK SHALL BE BRACED AT A MAX. OF 3'-0" O.C. (STARTING AT CENTER AND WORKING TO ENDS) W/ 2X4 MATERIAL. BRACING SPLICES SHALL OVERLAP A MINIMUM OF TWO TRUSS SPACES. ATTACH BRACING TO TRUSSES WITH (2) 10D NAILS.

8. ALL ROOF TRUSSES WILL BEAR AT 108–1 $\frac{1}{8}$ ", EXCEPT THOSE THAT ARE SUPPORTED ON OTHER TRUSSES OR NOTED OTHERWISE ON THE DRAWINGS.

9. VERTICAL MEMBERS, DIAGONAL MEMBERS AND JOINT LOCATIONS OF TRUSSES MUST BE BRACED PER THE TRUSS SHOP DRAWINGS. COORDINATE SPECIFIC BRACING REQUIREMENTS WITH THE TRUSS SHOP DRAWINGS. BRACING SHALL BE CONSTRUCTED OF 2X4 MATERIAL.

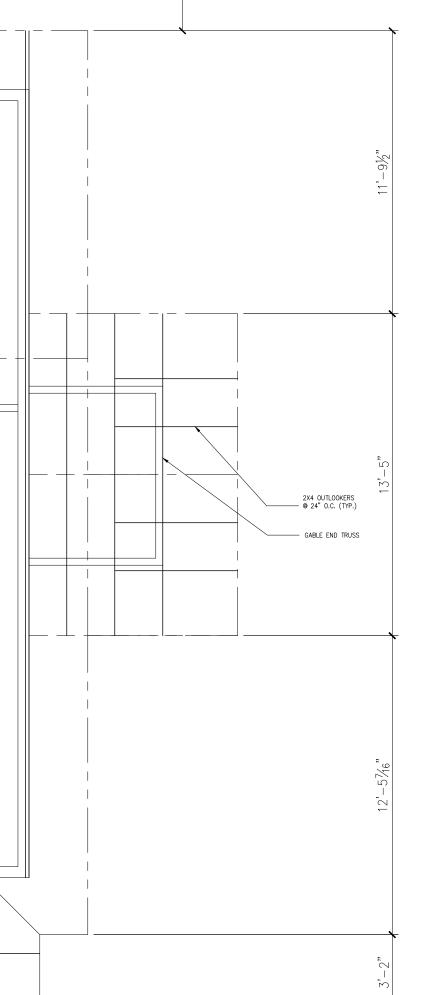
10. ALL TRUSSES SHALL BE CONNECTED TO SUPPORTING STRUCTURE AT EACH SUPPORT LOCATION WITH (2) H3 SIMPSON STRONGTIES CLIPS WITH (4) 8D NAILS INTO EACH MEMBER CONNECTED FOR EACH CLIP USED. (SEE DETAIL 9/S-3.0).

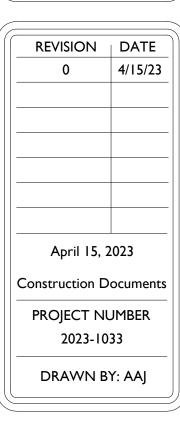
11. TRUSSES SHALL BE BRACED AGAINST OVERTURNING USING ONE OF THE FOLLOWING METHODS: 1. FULL DEPTH 2X BLOCKING BETWEEN TRUSSES AT SUPPORT WALL

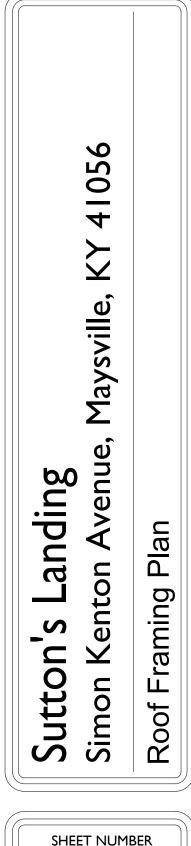
2. 2X BLOCKING MATERIAL DETAIL 3/S-3.1 3. BRACED BY PERPENDICULAR TRUSSES.

12. TRUSSES PARALLEL TO SUPPORT WALLS SHALL BE ATTACHED TO THE WALL WITH (1) H3 SIMPSON STRONGTIE CLIP EVERY 2'-0". IF WALL IS NOT DIRECTLY BELOW TRUSS THEN DETAIL 2/S-3.1 SHALL BE USED FOR CONNECTION.

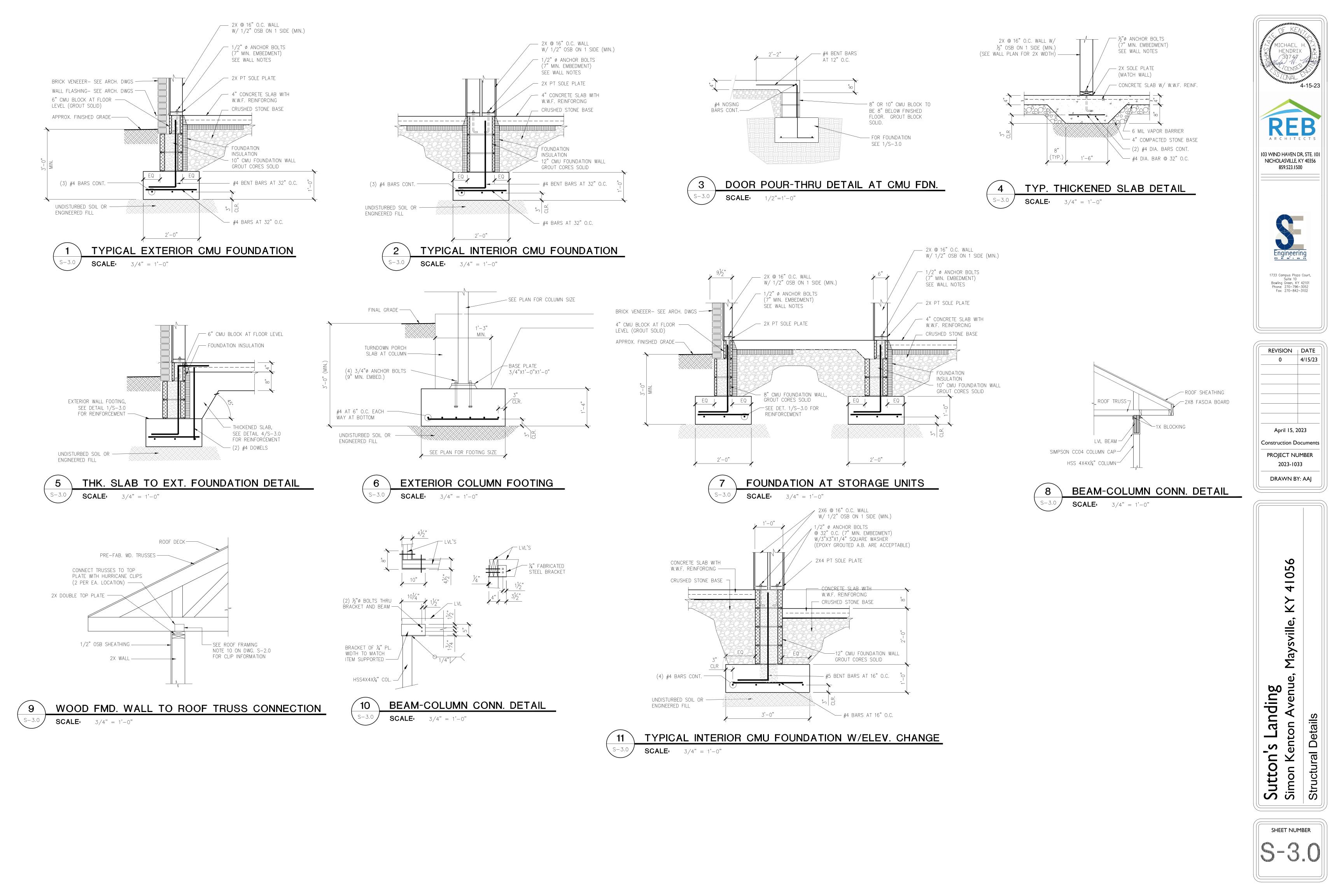


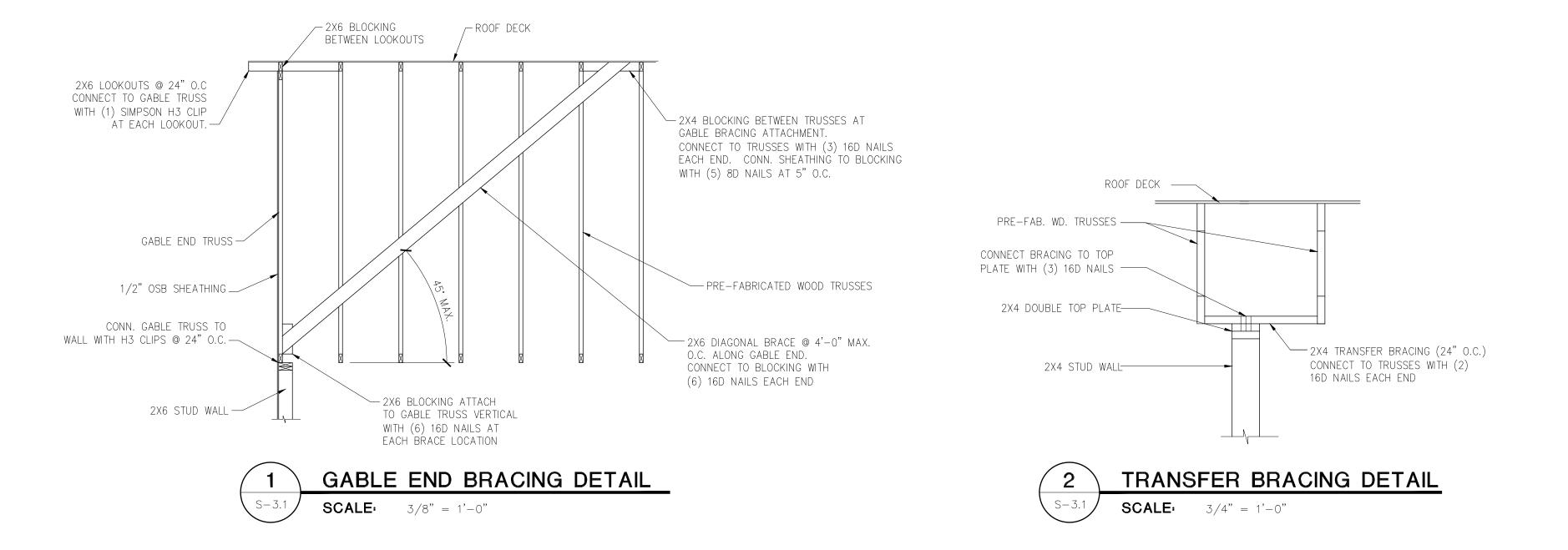


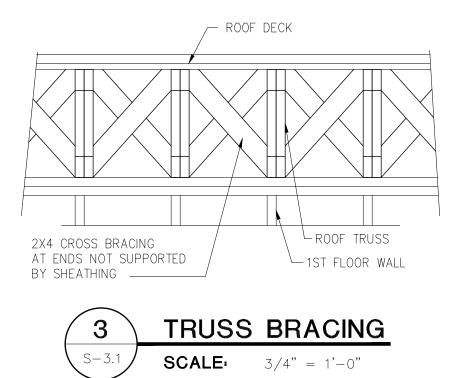


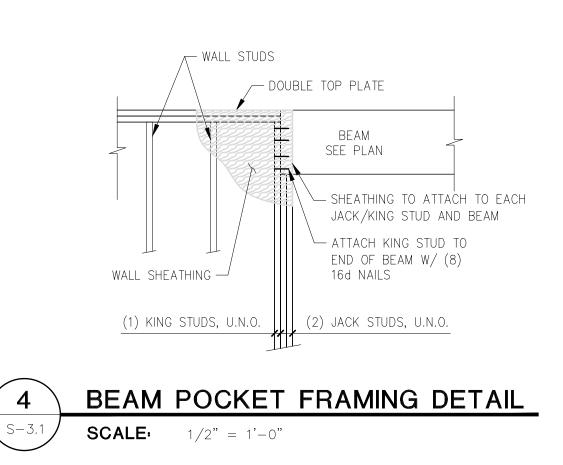


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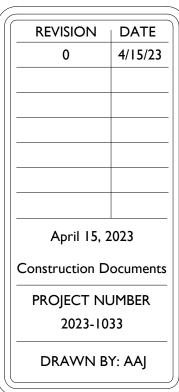


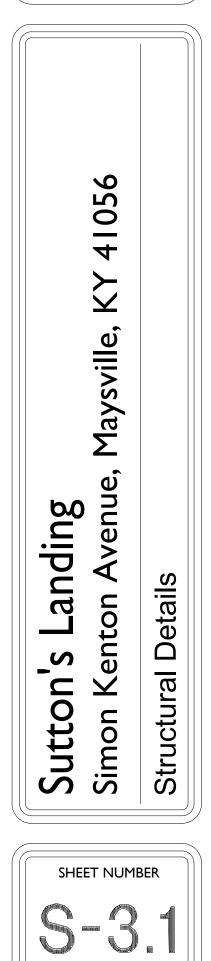












MECHANICAL NOTES

1. THESE DRAWINGS HAVE BEEN DEVELOPED FROM THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY ALL FIELD CONDITIONS. DIMENSIONS, CLEARANCES, LOCATION OF EXISTING UTILITIES, ETC. PRIOR TO BIDDING, FABRICATION, OR INSTALLATION. DO NOT SCALE FROM THESE DRAWINGS.

- 2. COORDINATE INSTALLATION AMONG TRADES TO AVOID INTERFERENCES. WHERE PIPING AND DUCTWORK ARE ROUTED TOGETHER, INSTALL PIPING BELOW DUCTWORK FOR MAINTENANCE ACCESSIBILITY. INSTALL ALL MECHANICAL SYSTEM COMPONENTS TO PERMIT INSTALLATION OF CEILINGS AT HEIGHTS INDICATED ON THE ARCHITECTURAL DRAWINGS.
- 3. INSTALL ALL HVAC EQUIPMENT PER MANUFACTURER RECOMMENDATIONS, INCLUDING REQUIRED MAINTENANCE CLEARANCES. PIPING, DUCTWORK, AND CONDUIT ROUTING SHALL NOT BLOCK REQUIRED ACCESS TO EQUIPMENT DOORS OR PANELS.
- 4. DESIGN BASIS FOR HVAC SYSTEMS, INCLUDING ASSOCIATED PIPING AND ELECTRICAL WORK, IS THE SCHEDULED EQUIPMENT. SUBSTITUTION OF OTHER EQUIPMENT MAY REQUIRE CHANGES IN PIPING, ELECTRICAL POWER SUPPLY, MAINTENANCE CLEARANCES, STRUCTURAL SUPPORTS, ETC. ALL SUCH CHANGES SHALL BE COORDINATED THROUGHOUT ALL TRADES, AND SHALL BE PERFORMED WITH NO EXTENSION OF SCHEDULE, AND AT NO ADDITIONAL COST TO THE OWNER.
- 5. ARCHITECTURAL GLAZING USED AS THE DESIGN BASIS FOR HVAC LOADS WAS INSULATED LOW E, MAXIMUM U VALUE 0.40 AND A SOLAR HEAT GAIN COEFFICIENT OF 0.40. SUBSTITUTION OF OTHER GLAZING PRODUCTS MAY RESULT IN INADEQUATE COOLING, AND SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR EVALUATION.

6. MOUNT OUTDOOR EQUIPMENT INSTALLED AT GRADE ON 4" THICK REINFORCED CONCRETE PADS. ANCHOR TO PAD.

7. NOT USED.

8. NOT USED.

DU

- 9. PROVIDE CONDENSER COIL GUARDS FOR ALL EXTERIOR MOUNTED AC EQUIPMENT
- 10. FABRICATE NEW DUCTWORK FROM MILL GALVANIZED STEEL SHEET. MATERIAL GAGES, FABRICATION DETAILS, INSTALLATION AND DUCT SUPPORT SHALL BE IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS. SEAL ALL JOINTS PER SMACNA STANDARDS. DUCTS SHALL BE OF LOCK FORMING QUALITY-GALVANIZED STEEL OF NOT LESS THE FOLLOWING GAUGES UNLESS OTHERWISE NOTED ON DRAWINGS.

| CT | WIDEST DIMENSION | U.S. STANDARD GAUGE |  |
|----|------------------|---------------------|--|
|    | 0"-12"           | 26                  |  |
|    | 13"-30"          | 24                  |  |
|    | 31"-54"          | 22                  |  |
|    | 55"-84"          | 20                  |  |
|    | 85"-UP           | 18                  |  |
|    |                  |                     |  |

- 11. THE INDICATED DUCT ROUTING AND SIZES ARE DIAGRAMMATIC. DO NOT FABRICATE FROM THESE DRAWINGS. FIELD VERIFY ROUTING AND AVAILABLE CLEARANCES. WHERE REQUIRED BY FIELD CONDITIONS, DUCTWORK MAY BE RE-SIZED UTILIZING ASHRAE/SMACNA EQUIVALENT SIZES. NOTIFY ENGINEER AND OBTAIN APPROVAL FOR REQUIRED ROUTING AND SIZE CHANGES PRIOR TO BEGINNING FABRICATION.
- 12. SMACNA EQUIVALENT ROUND DUCT OR RECTANGULAR DUCT SIZES MAY BE SUBSTITUTED FOR THE DUCT SIZES INDICATED ON THE PLANS. RECTANGULAR SUBSTITUTIONS SHALL MAINTAIN A MAXIMUM OF 3:1 ASPECT RATIO.
- 13. RIGID SUPPLY, RETURN, OUTSIDE AIR, AND EXHAUST DUCTWORK INSULATION SHALL BE PROVIDED WITH FACTORY APPLIED REINFORCED FOIL VAPOR BARRIER. INSULATION AND VAPOR BARRIER SHALL HAVE A FIRE SMOKE RATING OF 25/50. APPLY INSULATION PER SMACNA STANDARDS.
- A. DUCT INSULATION
- 1. DUCT INSULATION SHALL BE AS FOLLOWS, UNLESS OTHERWISE STATED ON PLANS.
- a. FLAME SPREAD INDEX SHALL NOT EXCEED 25 AND SMOKE DEVELOPED 50. b. R-FACTOR FOR BUBBLE WRAP INSULATION SHALL NOT BE LESS THAN 5.2 AND SHALL BE NOT LESS THAN 6.9 PER HANDWRITTEN SHEET.
- C. INTERIOR DUCT WORK IN CONDITIONED SPACE SHALL HAVE INSULATION OF 1" THICK FOIL BACKED FIBERGLASS.
- d. INTERIOR DUCT WORK IN UNCONDITIONED SPACE SHALL HAVE INSULATION OF 2" THICK FOIL BACKED FIBERGLASS (MIN R-6). e. EXTERIOR DUCTWORK SHALL BE INSULATED TO R-8 OR BETTER WITH CLOSED CELL INSULATION AND EXTERNALLY WEATHER PROOFED WITH FOSTER'S WEATHERPROOFING MASTIC SYSTEM OR APPROVED EQUIVALENT.
- B. INSTALLATION OF DUCTWORK INSULATION
- 1. GENERAL: INSTALL INSULATION PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES TO ENSURE THAT INSULATION SERVES ITS INTENDED PURPOSE. 2. INSTALL INSULATION MATERIALS WITH SMOOTH AND EVEN SURFACES
- 3. CLEAN AND DRY DUCTWORK PRIOR TO INSULATION. BUTT INSULATION JOINTS FIRMLY TOGETHER TO ENSURE COMPLETE AND TIGHT FIT OVER SURFACES TO BE COVERED a. MAINTAIN INTEGRITY OF VAPOR-BARRIER ON DUCTWORK INSULATION, AND PROTECT TO ENSURE COMPLETE AND TIGHT FIT OVER SURFACES TO
- BE COVERED. b. EXTEND DUCTWORK INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS AND SIMILAR DUCTWORK PENETRATIONS, EXCEPT WHERE OTHERWISE INDICATED
- C. DO NOT COMPRESS INSULATION TO LESS THAN 75% ITS ORIGINAL THICKNESS
- 14. PROVIDE DOUBLE THICKNESS TURNING VANES IN ALL MITERED ELBOWS AND TEES.

15. NOT USED.

- 16. INSULATED FLEXIBLE DUCT SHALL BE UL LISTED, CONSTRUCTED OF A CPE INNER LINER, COATED SPRING STEEL WIRE HELIX WITH FIBERGLASS BLANKET. AND VAPOR BARRIER EQUAL TO THERMAFLEX G-KM BY FLEXIBLE TECHNOLOGIES. INSULATION SHALL HAVE A FIRE SMOKE RATING OF 25/50.
- 17. FLEX DUCT IS ALLOWED TO BE USED IN LENGTHS LONGER THAN FIVE FEET. FLEXIBLE DUCTS MUST MEET UL181 CLASS I, ASTM E84. INSTALLED PER IMC SECTION 304.1.
- 18. SECURE FLEXIBLE DUCT CONNECTIONS WITH STAINLESS STEEL WORM GEAR CLAMPS OR 36" ZIP TIE/TORQUE AND CUT. WRAP WITH DUCT TAPE.
- 19. INSTALL INDOOR FURNACES ON 18 INCH HIGH (OR HIGHER IF CALLED FOR ON PLAN), ANGLE REINFORCED GALVANIZED STEEL PLENUMS INTERNALLY INSULATED WITH 1-INCH THICK DUCTLINER. SET PLENUMS ON A 1/4 INCH THICK NEOPRENE ISOLATION PAD. CONFIGURE UNITS FOR BOTTOM RETURN. 20. NOT USED.
- 21. SEE REFLECTED CEILING PLAN FOR FINAL LIGHT FIXTURE LOCATIONS AND DIMENSIONS. ADJUST DUCTWORK/DIFFUSER LOCATIONS AS REQUIRED TO SUIT LIGHTING ARRANGEMENT.

22. PIPING MATERIALS AND FITTINGS SHALL BE AS FOLLOWS:

- REFRIGERANT PIPING SHALL EITHER BE TYPE I, HARD DRAWN, COPPER TUBING PER ASTM B88 OR CONTINUOUS SOFT DRAWN LINE SET FROM
- INTERIOR TO EXTERIOR UNIT (NO JOINTS ALLOWED).
- COIL AND FURNACE CONDENSATE DRAIN PIPING SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD FITTINGS.
- 23. INSULATE COIL CONDENSATE DRAIN AND REFRIGERANT SUCTION PIPING WITH 1/2 INCH CLOSED CELL FOAM, "ARMAFLEX" OR EQUAL.
- 24. PITCH CONDENSATE PIPING TO DRAIN A MINIMUM OF 1/8th INCH PER FOOT. PROVIDE P-TRAPS PER A/C UNIT MANUFACTURER INSTALLATION MANUAL. 25. ROUTE CONDENSATE PIPING TO NEAREST FLOOR DRAIN, OPEN RECEPTACLE, OR MOP SINK WITH AIR GAP PER CODE.
- 26. SUPPORT HORIZONTAL PIPING FROM STRUCTURE WITHIN 1 FOOT OF ELBOWS AND AT THE MAXIMUM INTERVALS SPECIFIED BELOW:

| and some menagements in the                                   |  | 1 |
|---|--|---|
| NOMINAL PIPE SIZE<br>1/2 TO 1-1/4 INCH<br>1-1/2 TO 2-1/2 INCH | DISTANCE BETWEEN SUPPORTS<br>6'-0"<br>10'-0" |   |
| 3 TO 4 INCH   | 12'-0"                                       |   |
| PVC   | 4'-0"  |   |

SUPPORT VERTICAL PIPING WITH RISER CLAMPS WITHIN 1 FOOT OF ELBOWS AND BENDS.

- MECHANICAL NOTES (CONT.)

29. NOT USED.

- MOTORIZED OUTSIDE AIR DAMPERS OR ECONOMIZERS ARE PROVIDED, DAMPER SHALL CLOSE, ECONOMIZER OFF.
- THAN RETURN AIR.

OWNER

- 38. CHECK OUT AND START UP

- INSTRUCTIONS
- CONTRACT

- 41. WARRANTY

42. AIR DISTRIBUTION DEVICES

43. FLEXIBLE CONNECTIONS

- - ACROSS THE CONNECTION.

44. BALANCING DEVICES

- AFTER FINAL BALANCING.
- DUCTWORK.
- PLANS,

45. MISCELLANEOUS DUCT REQUIREMENTS

- OWNER AND MECHANICAL ENGINEER. EXTRACTORS WITH EXTERNAL ADJUSTMENT.

- INSTRUCTIONS.
- NEW CONSTRUCTION AND ADAPTIVE REUSE STRUCTURES. QUALITY (ASHRAE 62.2 OR ASHRAE 62.1). C.1. UNITS SHALL BE SELECTED BY KHC FOR TESTING. D. DIAGNOSTIC TESTING SHALL BE REPORTED BY ONE OF THE FOLLOWING METHODS: D.1. DOCUMENTATION FROM A LICENSED AND CERTIFIED HERS RATER. D.2 D.3. DUCT SYSTEMS AND TOTAL AIR INFILTRATION.

27. INSTALL REFRIGERANT PIPING PER ANSI B31.5 AND LOCAL MECHANICAL CODE. CLEAN, DEHYDRATE, TEST, AND CHARGE LINES PER A/C MANUFACTURER INSTALLATION SPECIFICATIONS. ROUTE PIPING FROM CONDENSING UNITS INSIDE EXTERIOR WALL AND ABOVE CEILING TO AC UNITS. 28. ALL PIPING PENETRATIONS THROUGH NON-RATED CONSTRUCTION SHALL BE SLEEVED. SEAL PENETRATIONS THROUGH EXTERIOR WALL WEATHERTIGHT WITH SILICONE SEALANT. PROVIDE ESCUTCHEONS AT EXPOSED INTERIOR LOCATIONS. ALL PIPING PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED PER UL DETAIL. SEE ARCHITECTURAL FOR LOCATIONS OF RATED CONSTRUCTION.

30. NEW THERMOSTATS SHALL BE 7-DAY PROGRAMMABLE AND SHALL BE PROGRAMMED TO PERFORM THE FOLLOWING SEQUENCES OF OPERATION: UN-OCCUPIED MODE: SYSTEM SHALL CYCLE TO MAINTAIN SET-POINTS OF 80 DEGREES F COOLING AND 65 DEGREES F HEATING. WHERE

 OCCUPIED MODE: FAN SHALL RUN CONTINUOUSLY TO PROVIDE REQUIRED VENTILATION. SYSTEM COOLING AND HEATING SHALL CYCLE AS REQUIRED TO MAINTAIN SET-POINTS OF 74 DEGREES F COOLING AND 70 DEGREES F HEATING. WHERE MOTORIZED OUTSIDE AIR DAMPERS OR ECONOMIZERS ARE PROVIDED, DAMPER SHALL OPEN TO MINIMUM POSITION WHEN FAN RUNS. ECONOMIZER SHALL OPERATE IF OUTSIDE AIR ENTHALPY IS LOWER

31. COMPLETED HVAC SYSTEMS SHALL BE BALANCED BY THE CONTRACTOR. CONTRACTOR SHALL REPORT TO THE ENGINEER/ARCHITECT ON BEHALF OF THE

32. BALANCE ALL HVAC SYSTEMS BY ADJUSTING FAN SPEEDS AND DAMPERS TO PROVIDE DESIGN CFM AT ALL INLETS AND OUTLETS, INCLUDING OUTSIDE AIR QUANTITIES AND AS OTHERWISE REQUIRED FOR THE OWNER'S SATISFACTION.

33. NEW MECHANICAL EQUIPMENT SHALL NOT BE UTILIZED FOR SPACE CONDITIONING DURING CONSTRUCTION. EQUIPMENT SHALL BE OPERATED ONLY AS REQUIRED TO PROVIDE PROPER START-UP, CHECK-OUT, BALANCE, ETC. IN ORDER TO MEET 'SUBSTANTIAL COMPLETION' GOALS AND PROVIDE A COMPLETE WORKING SYSTEM TO TURN OVER TO OWNER.

34. MECHANICAL EQUIPMENT SHALL BE AS INDICATED ON THE DRAWINGS. EQUIPMENT OTHER THAN SCHEDULED BRAND AND MODEL MAY BE CONSIDERED PER FULL COMPLIANCE WITH SCHEDULE AND SPECIFICATIONS. MECHANICAL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY CHANGES AND/OR COSTS ASSOCIATED WITH USING PRODUCTS OTHER THAN THOSE SCHEDULED. HVAC SUPPLIER SHALL HAVE AVAILABLE FACTORY SERVICE TECHNICIANS WITHIN 100 MILE RADIUS OF JOBSITE AND OFFER 24 HR/7 DAY SERVICE, MAINTENANCE AND REPAIRS.

35. EQUIPMENT SUBMITTED, INCLUDING THE SPECIFIED EQUIPMENT SHALL BE FACTORY DIRECT FROM THE MANUFACTURER'S COMMERCIAL SALES OFFICE, INCLUDING FACTORY DIRECT WARRANTY AND SUPPORT. EQUIPMENT SUBMITTED FOR APPROVAL DURING THE SUBMITTAL PROCESS SHALL BE SUBMITTED COMPLETE WITH MANUFACTURER PERFORMANCE DATA AT THE DESIGN CONDITIONS. SUBMITTAL DATA SHALL BE PROVIDED FROM FACTORY AUTHORIZED REPRESENTATIVES. MANUFACTURER CATALOG STANDARD CUT SHEETS ARE NOT ACCEPTABLE. MANUFACTURERS' DESIGNATED DEALERS AND/OR WHOLESALERS ARE NOT A SUBSTITUTE FOR FACTORY SERVICE AND SUPPORT.

36. PROVIDE REQUIRED SEISMIC BRACING AND SUPPORTS PER INTERNATIONAL BUILDING CODE.

37. EXHAUST FAN OPERATION IS TO BE PER EXHAUST FAN SCHEDULE.

A. COMPLETELY CHECK THE UNIT AND TEST ALL REFRIGERANT PIPING INCLUDING EVACUATION, DEHYDRATION AND CHARGING B. COMPLETELY CHECK THE ENTIRE CONTROL WIRING SYSTEM, INCLUDING CONTROLS, STARTERS AND INTERLOCKS C. START THE SYSTEM MAKING ALL NECESSARY ADJUSTMENTS IN CONTROLS, ETC., FOR COMPLETELY AUTOMATIC OPERATION. D. UPON COMPLETION OF ALL WORK TESTS, THE CONTRACTOR SHALL INSTRUCT THE OWNER OR HIS/HER REPRESENTATIVE(S) FULLY IN THE OPERATIONS, ADJUSTMENT AND MAINTENANCE OF ALL EQUIPMENT FURNISHED. THE TIME AND A LIST OF REPRESENTATIVES REQUIRED TO BE PRESENT WILL BE AS DIRECTED. TURN OVER ALL SPECIAL WRENCHES, KEYS, ETC., TO THE OWNER AT THIS TIME. E. THE CONTRACTOR SHALL FURNISH THREE (3) COMPLETE BOUND SETS OF TYPEWRITTEN AND/OR BLUEPRINTED INSTRUCTIONS FOR OPERATING AND MAINTAINING ALL SYSTEMS AND EQUIPMENT INCLUDED IN THE CONTRACT. ALL INSTRUCTIONS SHALL BE SUBMITTED IN DRAFT, FOR APPROVAL, PRIOR TO FINAL ISSUE, MANUFACTURER'S ADVERTISING LITERATURE OF CATALOGS ALONE WILL NOT BE ACCEPTABLE FOR OPERATING AND MAINTENANCE

F. THE CONTRACTOR, IN THE INSTRUCTIONS, SHALL INCLUDE A PREVENTIVE MAINTENANCE SCHEDULE FOR THE EQUIPMENT FURNISHED UNDER THE

39. ALL MECHANICAL WORK SHALL BE PERFORMED BY A KENTUCKY LICENSED MECHANICAL CONTRACTOR.

40. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 KENTUCKY BUILDING CODE

A. IN ADDITION TO THE MECHANICAL CONTRACTOR'S ONE YEAR LABOR WARRANTY AND GUARANTEE; THE AIR CONDITIONING MANUFACTURER SHALL PROVIDE A WRITTEN ONE-YEAR WARRANTY ON THAT MANUFACTURER'S EQUIPMENT COVERING ALL PARTS AND AN ADDITIONAL FOUR-YEAR WARRANTY ON THE COMPRESSOR. WARRANTIES SHALL START ON DATE OF FINAL ACCEPTANCE.

A. REGISTERS, GRILLS, OR DIFFUSERS, SHALL BE AS SPECIFIED (OR EQUIVALENT) AND OF THE TYPES LISTED HEREIN OR AS SHOWN ON THE PLANS. B. EACH REGISTER OR GRILL SHALL BE PROVIDED WITH A SPONGE RUBBER GASKET. C. SIZES, TOGETHER WITH AIR QUANTITIES, ARE SHOWN ON THE DRAWINGS OR ARE SCHEDULED HEREIN.

D. ALL SUPPLY DIFFUSERS ARE TO INCLUDE AN ADJUSTABLE DAMPER. E. DIFFUSERS AND REGISTERS SHALL BE CENTERED (IN BOTH DIRECTIONS) IN THE CEILING TILE, WHERE APPLICABLE.

A. FLEXIBLE CONNECTIONS SHALL BE DURO-DYNE, ELGEN, OR VENTFABRICS "VENTGLASS", 4" LONG (MINIMUM), FIRE RESISTANT, AND SUPPORTED AT EACH END WITH AN ANGLE OR BAND IRON FRAME WHICH SHALL BE SECURELY ATTACHED TO DUCTWORK, FANS, ETC., TO FORM AN AIRTIGHT INSTALLATION. FLEXIBLE CONNECTIONS SHALL NOT CONTAIN ASBESTOS

B. PROVIDE FLEXIBLE CONNECTIONS ON THE INLET AND DISCHARGE SIDES OF ALL AIR HANDLING EQUIPMENT CONNECTED BY DUCTWORK. ALLOW AT LEAST 1" SLACK IN EACH CONNECTION TO INSURE THAT NO VIBRATION IS TRANSMITTED THROUGH THE CONNECTION. SEAL ALL CONNECTIONS: AIR LEAKS WILL NOT BE ACCEPTABLE. VIBRATION SEPARATION: PROVIDE FLEXIBLE DUCT CONNECTORS WHERE DUCTWORK CONNECTS TO AIR HANDLERS, FANS, AND BLOWERS. CONNECTORS SHALL BE AT LEAST 4" LONG WITH METAL SECURING STRIPS ON EACH END. PROVIDE A GROUNDING STRAP

A. DAMPER QUADRANT SHALL HAVE AN INDICATOR SHOWING OPEN AND CLOSED CONDITIONS. PROPERLY LABEL ALL DAMPERS AS TO POSITION

B. SPLITTER DAMPERS SHALL BE PROVIDED AT EACH DUCTWORK SPLIT. DAMPERS SHALL BE OF THE PIVOTING BLADE TYPE WITH EXTERNAL ADJUSTMENT AND RAKING DEVICE. DAMPER POSITION SHALL BE VISUALLY INDICATED. LABEL FINAL POSITIONS BY PAINTING ARROWS ON THE

C. OUTDOOR AIR DAMPERS SHALL BE PROVIDED AND ADJUSTED TO SUPPLY A MINIMUM OF 10% OUTDOOR AIR TO EACH SYSTEM, OR AS INDICATED ON

A. DUCT HANGERS SHALL BE RODS OR STRAPS OF ADEQUATE SIZE AND SPACING TO PROVIDE PROPER SUPPORT FOR THE DUCTWORK. PROVIDE SUITABLE BRACING TO PREVENT DUCTWORK FROM VIBRATING OR SWAYING. HANGERS SHALL BE OF THE SAME MATERIAL AS THE DUCTWORK. ANY DUCTWORK FOUND TO VIBRATE SHALL BE REINFORCED OR REWORKED AS REQUIRED BY THE CONTRACTOR TO THE SAME SATISFACTION OF THE

B. EXTRACTORS: PROVIDE EXTRACTORS OF PROPER DESIGN AT ALL BRANCH DUCT TAKE-OFFS. THE DEVICE SHALL PROPORTION, DEFLECT, AND DIRECT AIR OF THE CORRECT QUANTITIES TO PRODUCE THE INDICATED DELIVERY CFM WITHOUT OBJECTIONABLE NOISE OR PRESSURE DROP. PROVIDE

C. DUCT ACCESS DOORS: PROVIDE ACCESS FOR EACH MANUAL OR MOTORIZED DAMPER, FIRE DAMPER AND ELSEWHERE AS NECESSARY FOR ACCESS TO THE DUCT INTERIOR. EQUIP DOORS WITH HAND OPERATED ADJUSTABLE TENSION CATCHES AND FULL PERIMETER GASKETS. D. TEST OPENINGS: PROVIDE GASKET AND CAPPED TEST OPENINGS FOR TEST EQUIPMENT ON ENTERING AND LEAVING THE SIDES OF THE AIR-HANDLING UNITS. TEST OPENINGS SHALL BE EQUAL TO YOUNG REGULATOR NO.1110.

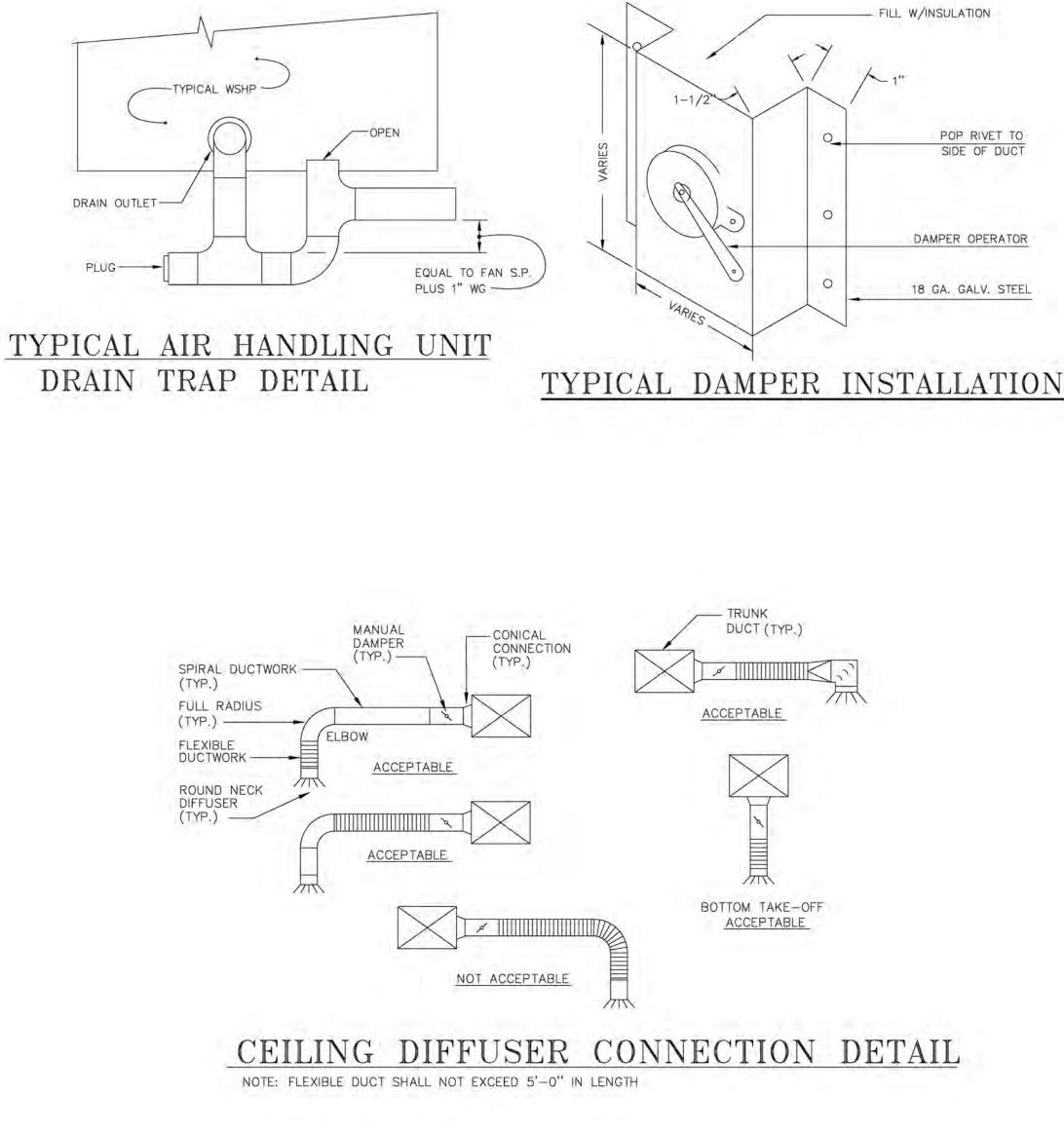
E. ALL CROSS SECTION DUCT AND ROUND PIPE JOINTS SHALL BE SEALED WITH HARDCAST, INC., VERSA GRIP VG-102, AS PER MANUFACTURER'S

ENVELOPE TESTING: TO BE COORDINATED AND PAID FOR BY THE CONTRACTOR.

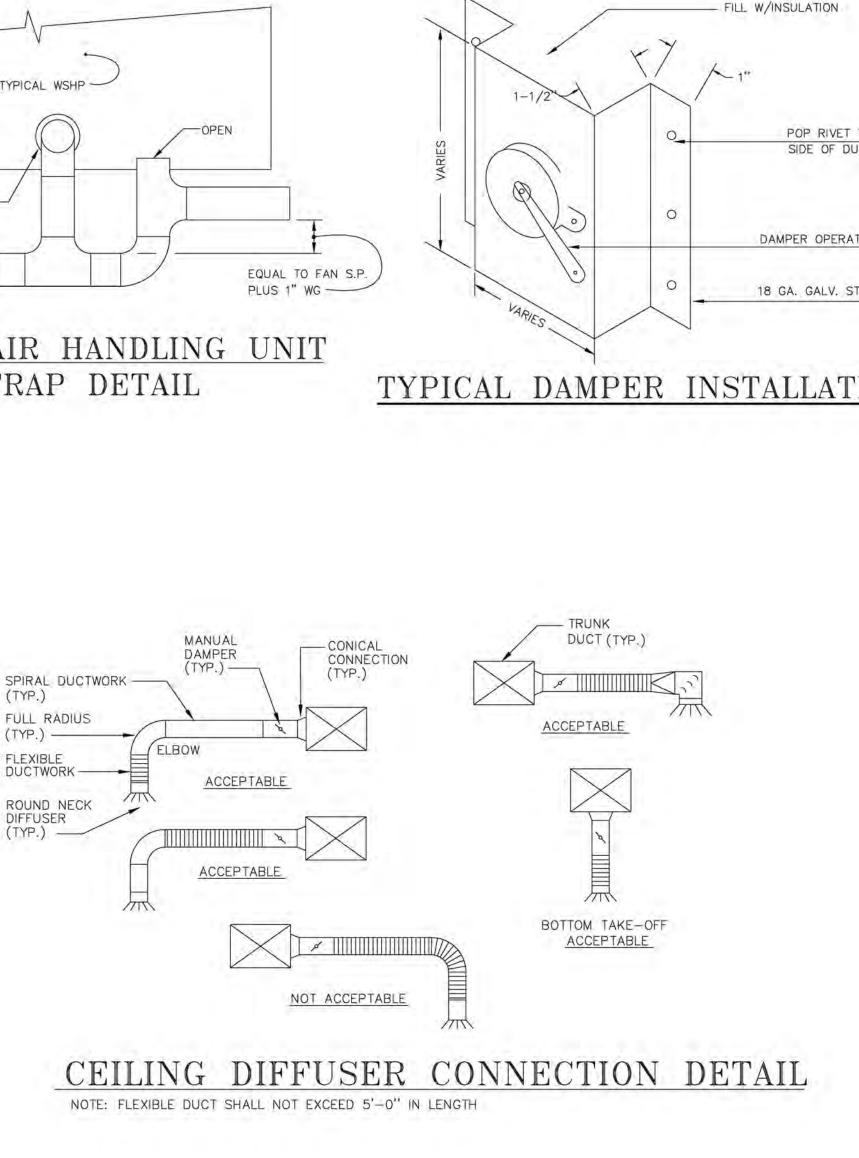
A. BUILDING ENVELOPE LEAKAGE TESTING MUST BE COMPLETED IN ACCORDANCE WITH THE 2012 IECC AND REPORTED TO KHC FOR ALL B. TESTING MUST ALSO VERIFY COMPLIANCE WITH THE APPLICABLE ASHRAE STANDARD FOR VENTILATION AND ACCEPTABLE INDOOR AIR C. A MINIMUM OF TEN PERCENT OF THE TOTAL UNITS SHALL BE TESTED AT OR BEFORE FINAL INSPECTION.

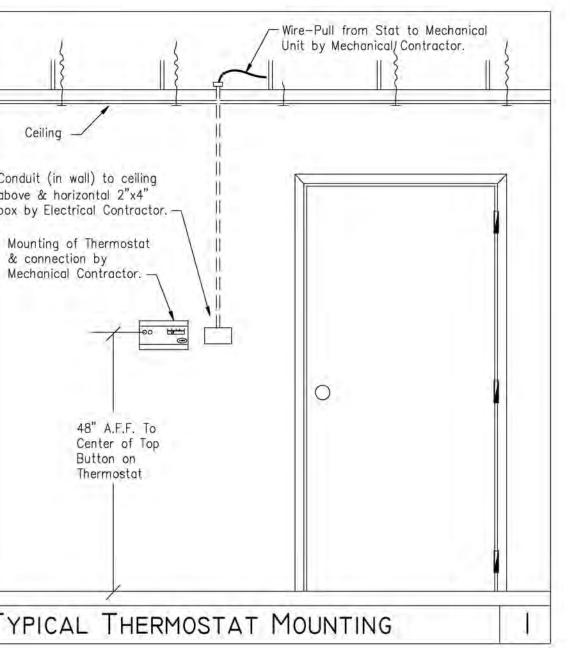
DOCUMENTATION FROM A BUILDING ANALYST, LICENSED AND CERTIFIED, BY THE BUILDING PERFORMANCE INSTITUTE. DOCUMENTATION FROM A LICENSED AND CERTIFIED HVAC CONTRACTOR, QUALIFIED IN PRESSURE DIAGNOSTIC TESTING OF THE

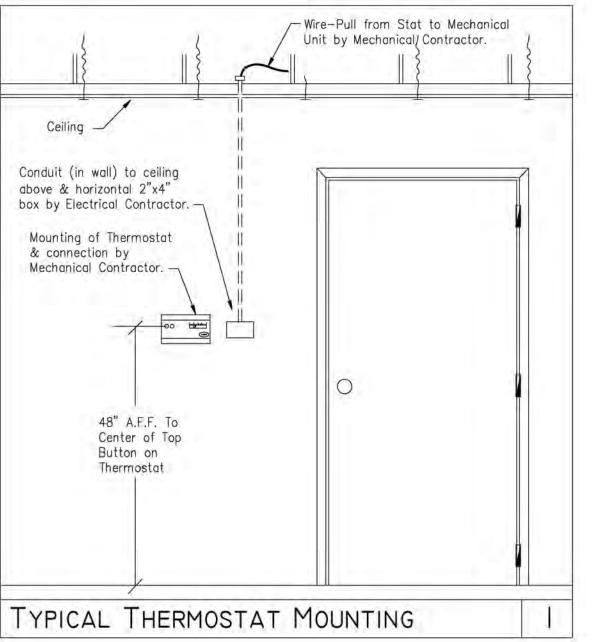
D.4. DOCUMENTATION FROM A WEATHERIZATION ASSISTANCE PROGRAM TRAINED DWELLING NEEDS EVALUATOR OR ENERGY AUDITOR.

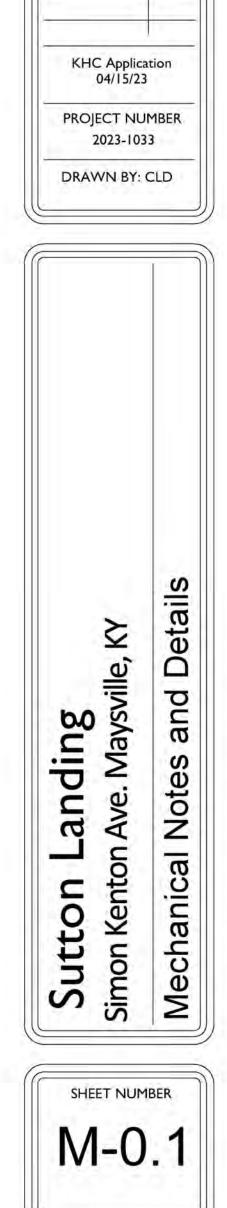


# DRAIN TRAP DETAIL











|          |                     |      |          |         |              |             |             |                 | SPLIT SYST                  | TEM HVAC UN                    | IITS                               |            |         |         |                |             |              |          |             |       |
|----------|---------------------|------|----------|---------|--------------|-------------|-------------|-----------------|-----------------------------|--------------------------------|------------------------------------|------------|---------|---------|----------------|-------------|--------------|----------|-------------|-------|
| NDOOR U  | NITS                |      |          |         |              | 34          | 2 De        |                 |                             |                                |                                    | -          | OUTDOOF | UNITS   |                |             |              |          |             |       |
| MARK     | NOM. CAP.<br>(TONS) | CFM  | O.A. CFM | MAKE    | MODEL NUMBER | ORIENTATION | FAN VOLTAGE | FAN<br>MCA/MOCP | ELECTRIC HEATER<br>PART NO. | FAN/ELECTRIC<br>HEATER VOLTAGE | FAN/ELECTRIC<br>HEATER<br>MCA/MOCP | CONDENSATE | MARK    | MAKE    | MODEL NUMBER   | SEER / HSPF | VOLTAGE      | MCA/MOCP | ACCESSORIES | NOTES |
| AHU-1    | 1.5                 | 600  | 45       | CARRIER | FX4DNF025000 | VERTICAL    | INCLUDED W  | /ITH HEATER     | KFCEH2401C05                | 230/1/60                       | 28.4/30                            | 3/4"       | HP-1    | CARRIER | 25SCA518A0030  | 16/9        | 208-230/1/60 | 13.4/20  | 1-5         | 1-6   |
| AHU-2    | 2                   | 800  | 60       | CARRIER | FX4DNF031000 | VERTICAL    | INCLUDED W  | /ITH HEATER     | KFCEH2501C08                | 230/1/60                       | 48.5/50                            | 3/4"       | HP-2    | CARRIER | 25SCA524A0030  | 16/9        | 208-230/1/60 | 14.5/25  | 1-5         | 1-6   |
| AHU-3    | 4                   | 1600 | 250      | CARRIER | FX4DNF061000 | VERTICAL    | INCLUDED W  | /ITH HEATER     | KFCEH3101C15                | 208/1/60                       | 58.5/60, 25/25                     | 3/4"       | HP-3    | CARRIER | 25SCA5248A0030 | 15.5/9      | 208-230/1/60 | 32.8/50  | 1-5         | 1-6   |
| AHU-4    | 4                   | 1600 | 80       | CARRIER | FX4DNF061000 | VERTICAL    | INCLUDED W  | /ITH HEATER     | KFCEH3301C20                | 208/1/60                       | 58.5/60, 50/50                     | 3/4"       | HP-4    | CARRIER | 25SCA5248A0030 | 15.5/9      | 208-230/1/60 | 32.8/50  | 1-5         | 1-6   |
| ACCESSOR | IES:                |      | ÷        |         |              |             |             |                 | NOTES:                      |                                |                                    |            |         |         |                |             |              |          |             |       |

1. PROVIDE 5 YEAR COMPRESSOR WARRANTY.

2. PROVIDE HEAD PRESSURE CONTROL.

3. PROVIDE MOUNTING SUBBASE FOR VERTICAL MOUNTING.

4. PROVIDE NEOPRENE IN SHEAR VIBRATION ISOLATORS FOR FLOOR MOUNT 5. PROVIDE 7 DAY HEAT/COOL PROGRAMMABLE THERMOSTAT

MEETING THESE STANDARDS, INCLUDING ENERGY EFFICIENCY ARE ACCEPTABLE.

6. PROVIDE STANDARD FILTRATION ON AHU RETURN.

|      |             |            | GRIL               | LES, DIFFUSERS, AND V | ENTILATORS   |
|------|-------------|------------|--------------------|-----------------------|--|
| MARK | SERVICE     | SIZE       | LOCATION           | MANUFACTURER/MODEL    | REMARKS  |
| S-1  | SUPPLY      | 12"X8"     | SIDEWALL / CEILING | HART & COOLEY/682     | TWO-WAY SIDEWALL/CEILING DIFFUSER                                    |
| S-2  | SUPPLY      | 10"X4"     | SIDEWALL / CEILING | HART & COOLEY/682     | TWO-WAY SIDEWALL/CEILING DIFFUSER                                    |
| S-3  | SUPPLY      | 14"X8"     | SIDEWALL / CEILING | HART & COOLEY/682     | TWO-WAY SIDEWALL/CEILING DIFFUSER                                    |
| R-1  | RETURN      | 20"X20"    | SIDEWALL           | HART & COOLEY/673     | FIXED BLADE RETURN AIR FILTER GRILLE (BOTTOM OF GRILLE AT 0'-6" AFF) |
| R-2  | RETURN      | 24"X24"    | SIDEWALL           | HART & COOLEY/673     | FIXED BLADE RETURN AIR FILTER GRILLE (BOTTOM OF GRILLE AT 0'-6" AFF) |
| R-3  | RETURN      | 20"X20"    | CEILING            | HART & COOLEY/672     | FIXED BLADE RETURN AIR GRILLE  |
| R-4  | RETURN      | 24"X24"    | CEILING            | HART & COOLEY/672     | FIXED BLADE RETURN AIR GRILLE  |
| R-5  | RETURN      | 14"X8"     | CEILING            | HART & COOLEY/672     | FIXED BLADE RETURN AIR GRILLE  |
| R-6  | RETURN      | 10"X8"     | CEILING            | HART & COOLEY/672     | FIXED BLADE RETURN AIR GRILLE  |
| E-1  | EXHAUST     | 13"X10.25" | CEILING            | INCLUDED WITH EF-1    | SEE EXHAUST FAN SCHEDULE   |
| E-2  | EXHAUST     | 13"X10.25" | CEILING            | INCLUDED WITH EF-2    | SEE EXHAUST FAN SCHEDULE   |
| E-3  | EXHAUST     | 13"X10.25" | CEILING            | INCLUDED WITH EF-3    | SEE EXHAUST FAN SCHEDULE   |
| E-4  | EXHAUST     | 24"X24"    | EXTERIOR WALL      | RUSKIN/ELBD813        | COMBINATION LOUVER/BACKDRAFT DAMPER                                  |
| E-K1 | EXHAUST     | 11 22 (2)  | HOOD               | INLCLUDE WITH EF-K1   | SEE EXHAUST FAN SCHEDULE   |
| E-K2 | EXHAUST     |            | HOOD               | INLCLUDE WITH EF-K2   | SEE EXHAUST FAN SCHEDULE   |
| 0A-1 | OUTSIDE AIR | 18"X14"    | EXTERIOR WALL      | RUSKIN/ELBD812        | COMBINATION LOUVER/BACKDRAFT DAMPER                                  |
| OA-2 | OUTSIDE AIR | 18"X12"    | EXTERIOR WALL      | RUSKIN/ELBD812        | COMBINATION LOUVER/BACKDRAFT DAMPER                                  |
| OA-3 | OUTSIDE AIR | 6"         | EXTERIOR WALL      | BROAN/634M            | ROUND FRESH AIR INLET ROOF CAP W/ BIRD SCREEN, BACKDRAFT DAMPER      |
| TF-1 | SUPPLY      | 10"X8"     | CEILING            | HART & COOLEY/672     | TWO-WAY SIDEWALL/CEILING DIFFUSER                                    |
| TF-2 | SUPPLY      | 20"X20"    | CEILING            | HART & COOLEY/672     | TWO-WAY SIDEWALL/CEILING DIFFUSER                                    |

|       | FRESH AIR VENTILATION SYSTEM |          |              |       |            |  |  |
|-------|------------------------------|----------|--------------|-------|------------|--|--|
| AHU   | UNIT                         | OA (CFM) | MANUFACTURER | MODEL | THERMOSTAT | NOTES  |  |
| AHU-1 | A, A.1                       | 30       | HONEYWELL    | Y8150 | RTH8500D   | INCLUDES W8150A CONTROL, EARD6TZ DAMPER, AT120 TRANSFORMER |  |
| AHU-1 | B, B.1                       | 45       | HONEYWELL    | Y8150 | RTH8500D   | INCLUDES W8150A CONTROL, EARD6TZ DAMPER, AT120 TRANSFORMER |  |
| AHU-2 | C, C.1                       | 60       | HONEYWELL    | Y8150 | RTH8500D   | INCLUDES W8150A CONTROL, EARD6TZ DAMPER, AT120 TRANSFORMER |  |

| EXHAUST FAN SCHEDULE |          |           |         |            |                   |  |  |
|----------------------|----------|-----------|---------|------------|-------------------|--|--|
| MARK                 | MFG.     | MODEL     | CFM     | VOLTS/AMPS | ACCESSORIES/NOTES |  |  |
| EF-1                 | AIR KING | FRAK80    | 80      | 120V/0.3A  | 1,2,4,6,8,10      |  |  |
| EF-2                 | AIR KING | FRAK80    | 50      | 120V/0.3A  | 1,2,3,5,6         |  |  |
| EF-3                 | AIR KING | FRAK100   | 100     | 120V/0.3A  | 1,2,3,5,6         |  |  |
| EF-K1                | AIR KING | ESQZ2308  | 100/250 | 120V/0.6A  | 7,9               |  |  |
| EF-K2                | AIR KING | ESZ308ADA | 100/250 | 120V/0.6A  | 7,9               |  |  |

ACCESSORIES/NOTES: 1. BIRD SCREEN

2. BACK-DRAFT DAMPER

**3. EXHAUSTED THRU SIDEWALL** 

4. EXHAUSTED THRU ROOF.

6. ENERGY STAR

7. SWITCHES INCLUDED ON HOOD, CONTRACTOR SHALL LOCATE

PARALLEL SWITCHES FOR HOODS IN ADA REQUIREMENTS.

8. CONTROLLED BY "AIR CYCLER SMARTEXHAUST" TIMER SWITCH IN RESTROOM.

5. AUTOMATICALLY CONTROLLED WITH LIGHTING CIRCUIT. 9. PROVIDE CF-08 CHARCOAL FILTER FOR RECIRCULATING HOOD. 10. ASHRAE 62.2 COMPLIANT

|  | DUCT SIZE CHART                         |                           |                        |
|--|---|---------------------------|------------------------|
| SUPPLY AIR AND<br>EXHAUST ROUND DUCT<br>DIAMETER (IN.) | RETURN AIR ROUND DUCT<br>DIAMETER (IN.) | MIN. AIR<br>FLOW<br>(CFM) | MAX. AIR<br>FLOW (CFM) |
| 4  | 5                                       | 0                         | 70                     |
| 5  | 6                                       | 70                        | 110                    |
| 6  | 8                                       | 110                       | 150                    |
| 8  | 10                                      | 150                       | 275                    |
| 10   | 12                                      | 275                       | 425                    |
| 12   | 14                                      | 425                       | 620                    |
| 14   | 16                                      | 620                       | 840                    |
| 16   | 18                                      | 840                       | 1100                   |
| 18   | 20                                      | 1100                      | 1700                   |
| 20   | 22                                      | 1700                      | 2100                   |
| 22   | 24                                      | 2100                      | 3100                   |
| 24   | 26                                      | 3100                      | 3700                   |
| 26   | 28                                      | 3700                      | 4350                   |
| 28   | 30                                      | 4350                      | 5050                   |
| 30   | 32                                      | 5050                      | 5800                   |
| 32   | 36                                      | 5800                      | 7700                   |
| 36   | 40                                      | 7700                      | 9750                   |

NOTES:

1. EQUIVALENT AREA RECTANGULAR DUCT WITH NO LARGER THAN 2:1 W/H OR H/W RATIO MAY BE USED IN LIEU OF ROUND DUCT.

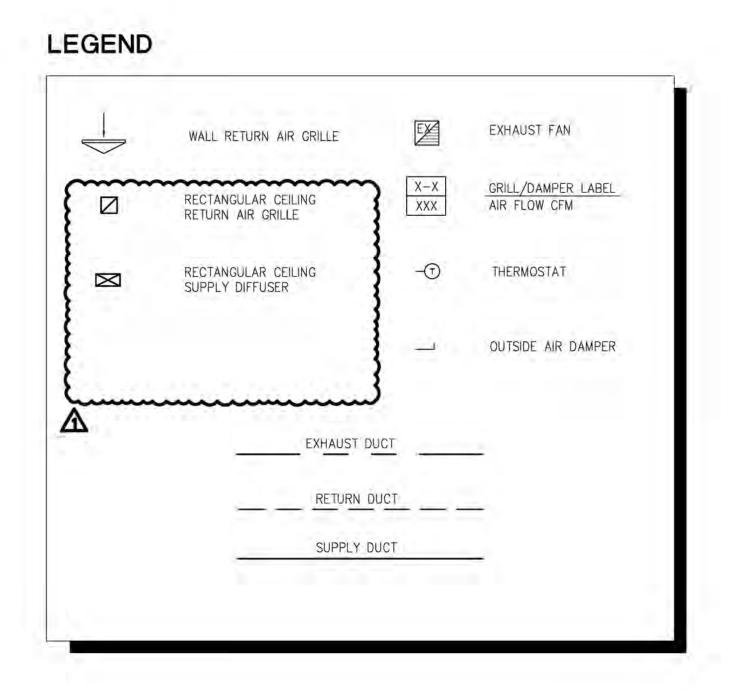
1. PROVIDE FLEXIBLE CONNECTION BETWEEN AIR HANDLING UNIT AND DUCT WORK.

2. ROUTE CONDENSATE LINES TO NEAREST FLOOR DRAIN, OPEN RECEPTACLE, MOP SINK, OR EXTERIOR.

3. PROVIDE 4" THICK CONCRETE PAD FOR OUTDOOR UNITS.

4. ROUTE REFRIGERANT PIPING FROM OUTDOOR UNITS TO INDOOR UNIT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

5. MANUFACTURER SPECIFIED IS TO ESTABLISH MINIMUM STANDARD FOR EQUIPMENT. EQUIPMENT OF OTHER MANUFACTURERS

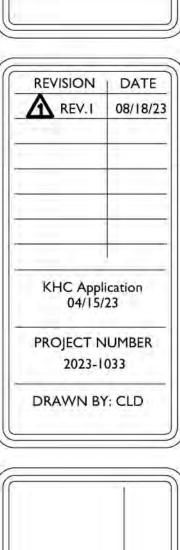


| Sutton<br>Simon Kent<br>HVAC So |
|---------------------------------|
| F Sim SI                        |

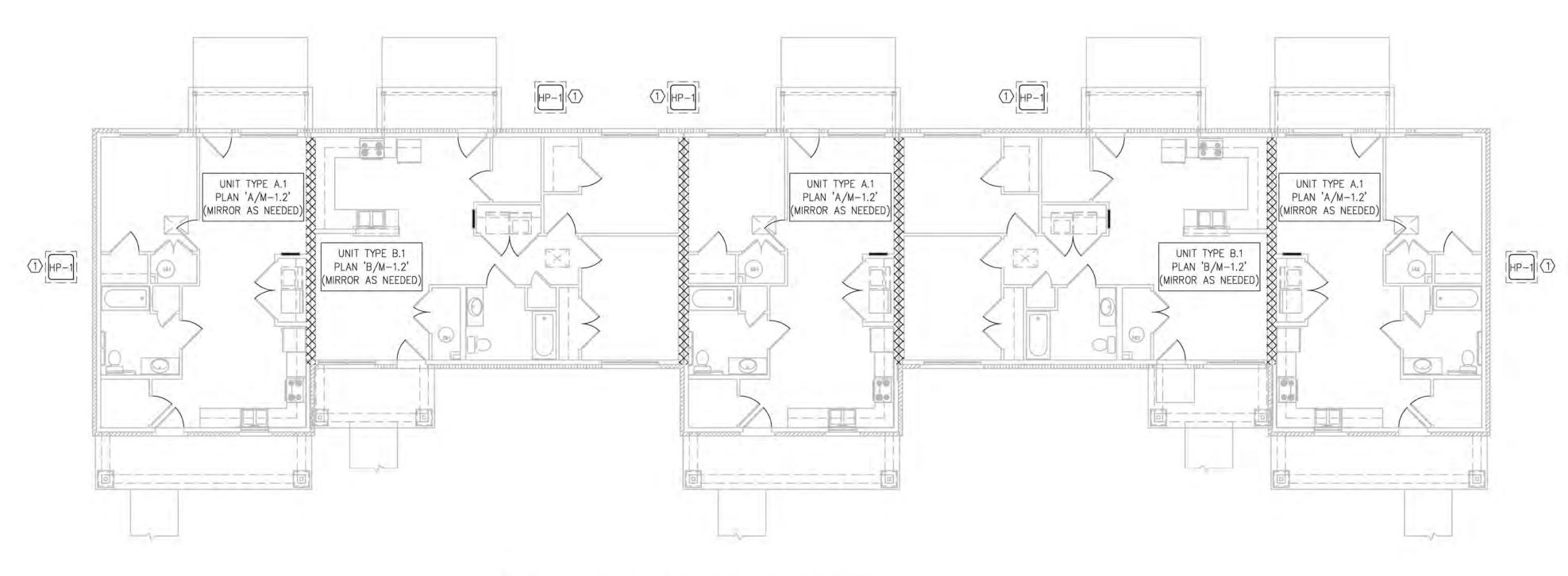
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Schedules

Landing on Ave. Maysville, H

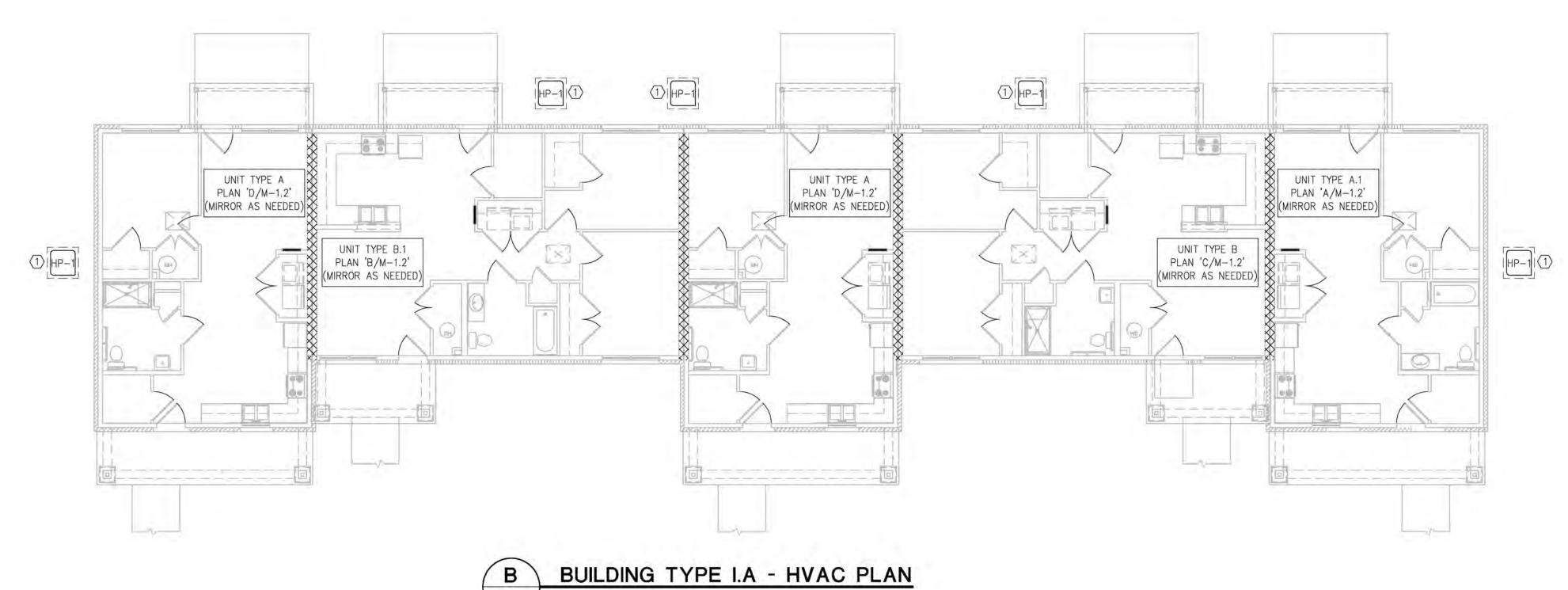


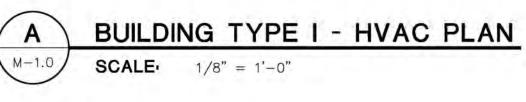




(#) HVAC KEY NOTES:

1. HP-1 PLACED ON 4" THICK CONCRETE PAD OR FIBERGLASS PAD. MAINTAIN 24" CLEARANCE FROM BUILDING WALL AND 18" BETWEEN UNITS FOR SERVICE. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN.

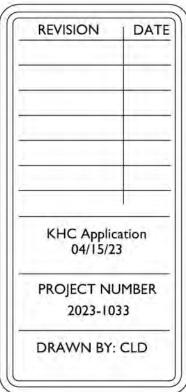




**SCALE** 1/8" = 1'-0"

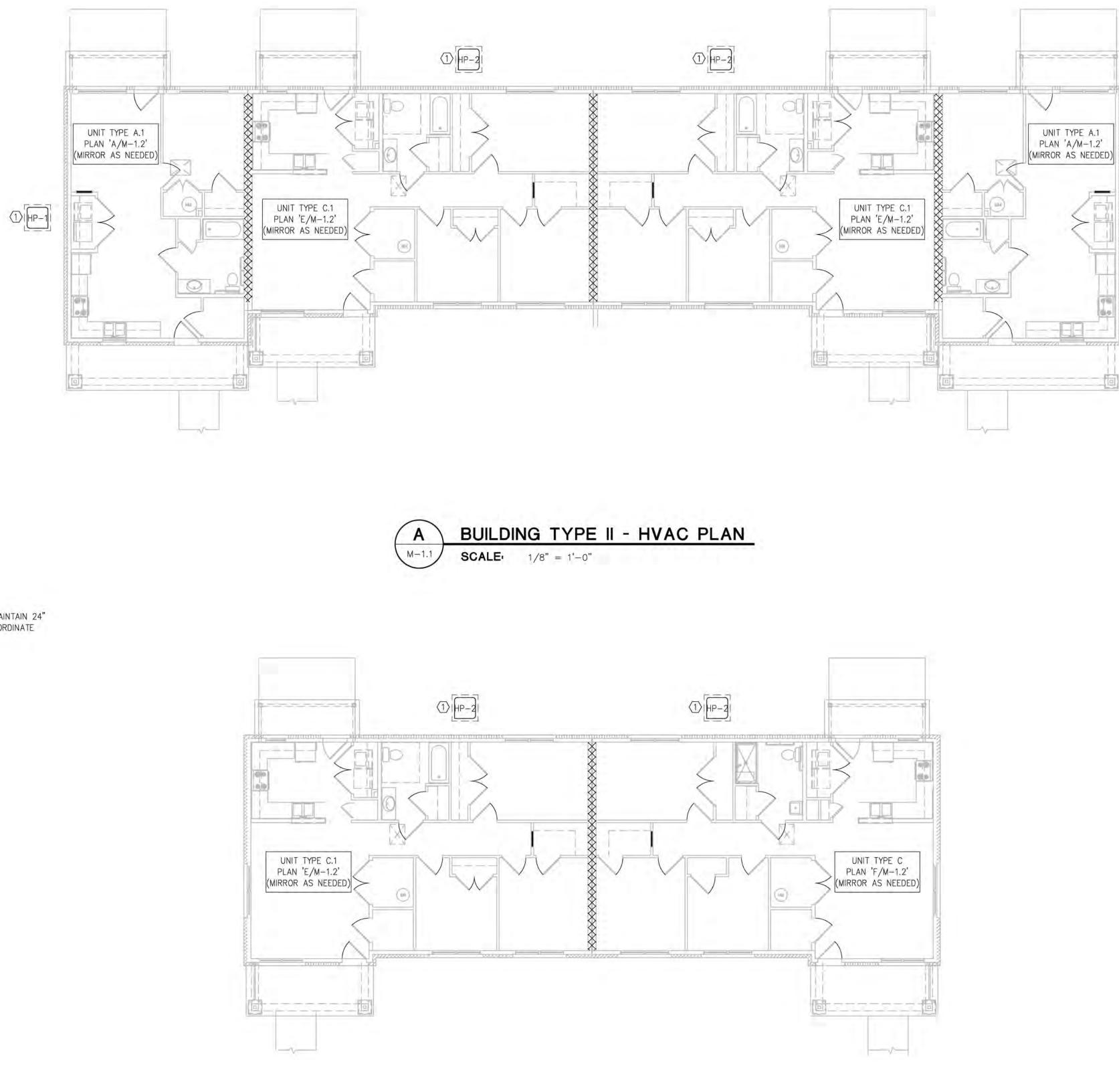
M-1.0





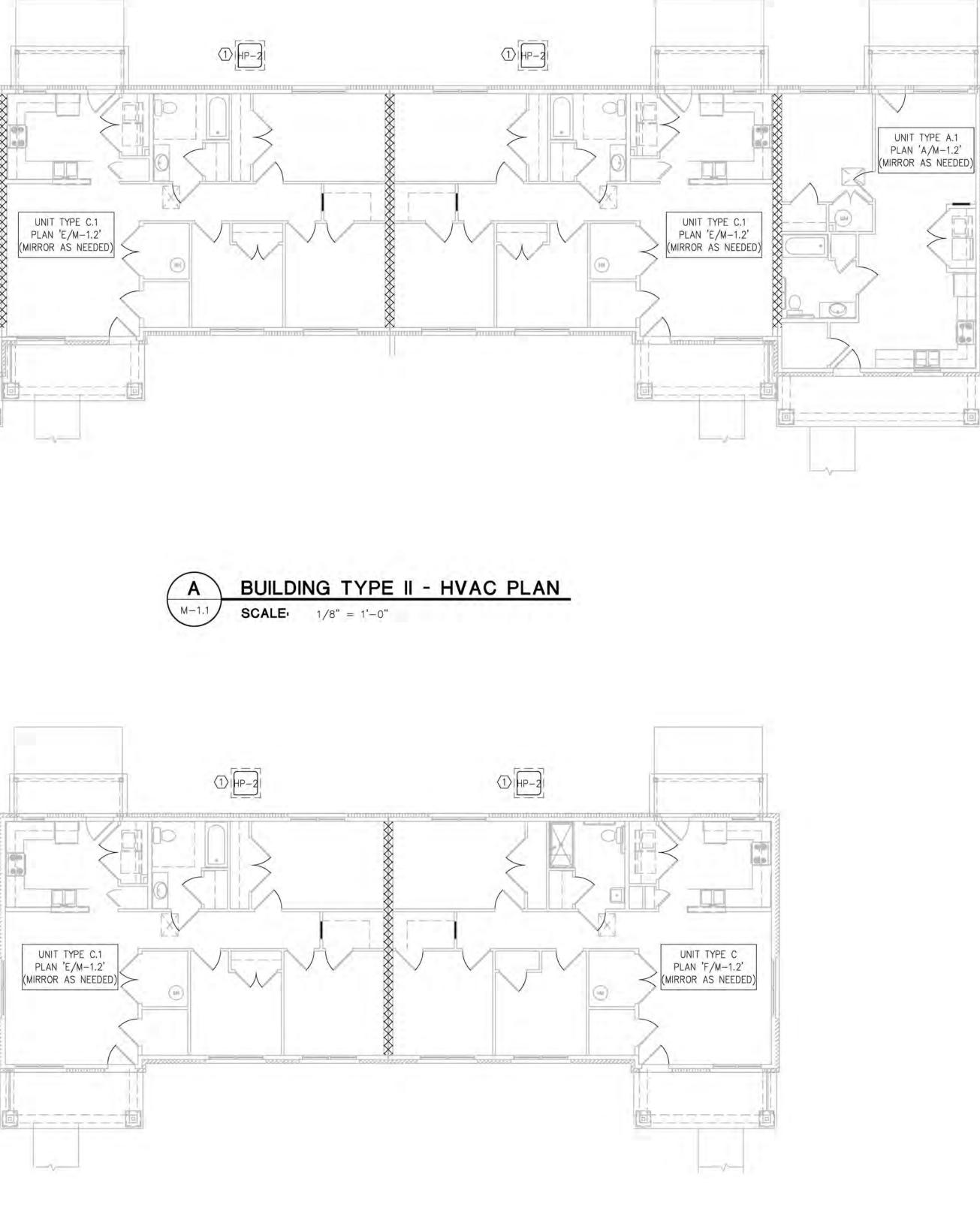


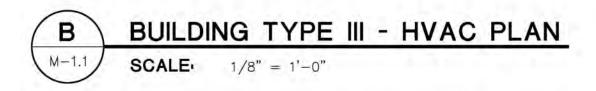




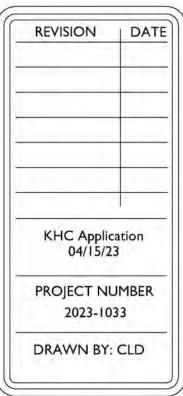
(#) HVAC KEY NOTES:

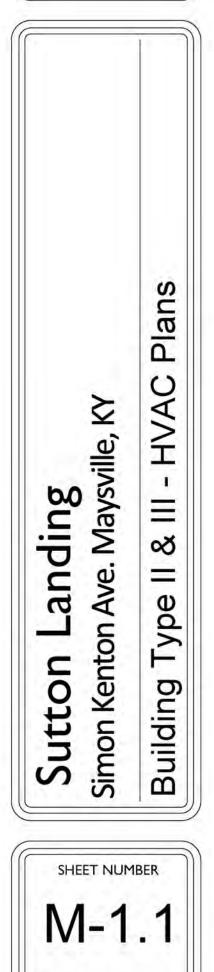
HP-1 & HP-2 PLACED ON 4" THICK CONCRETE PAD OR FIBERGLASS PAD. MAINTAIN 24" CLEARANCE FROM BUILDING WALL AND 18" BETWEEN UNITS FOR SERVICE. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN.

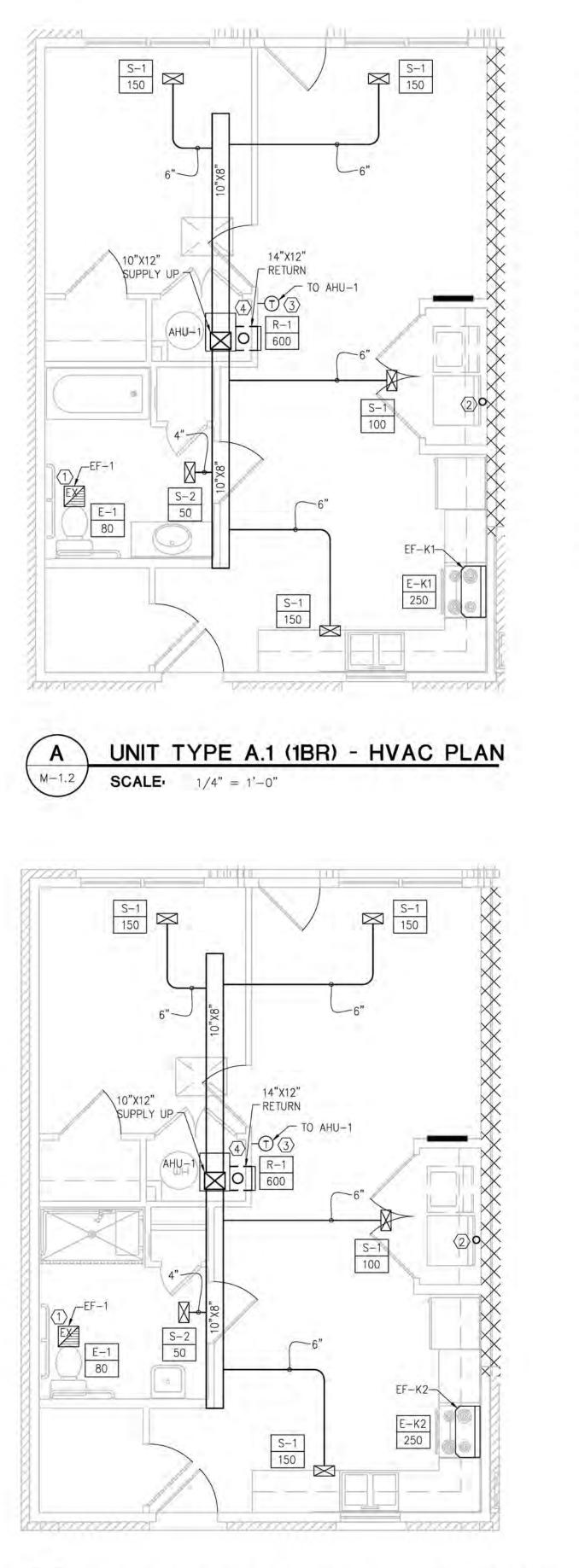


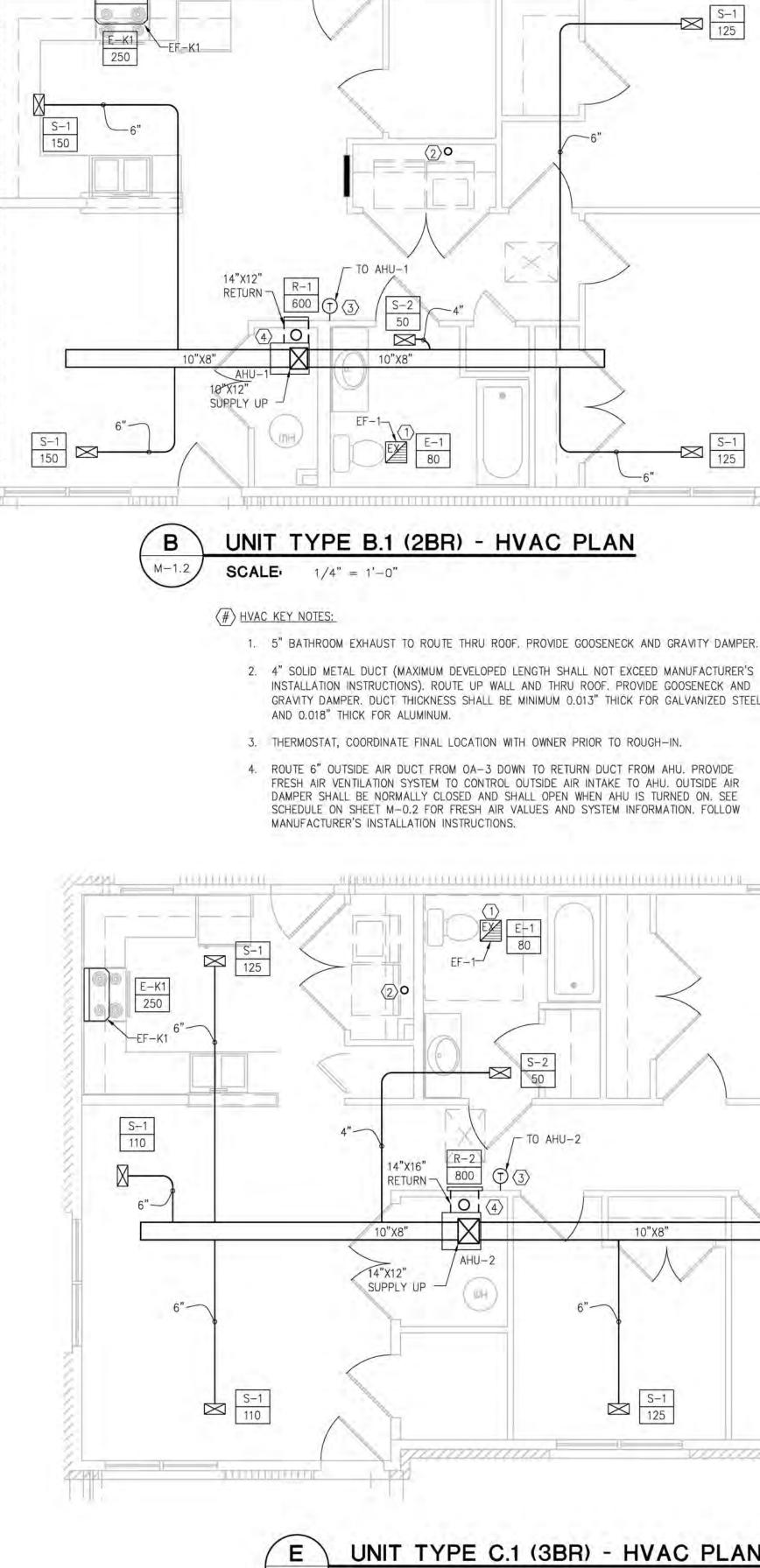




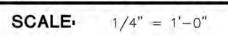






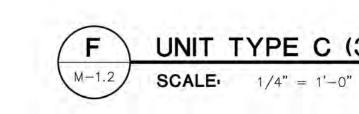


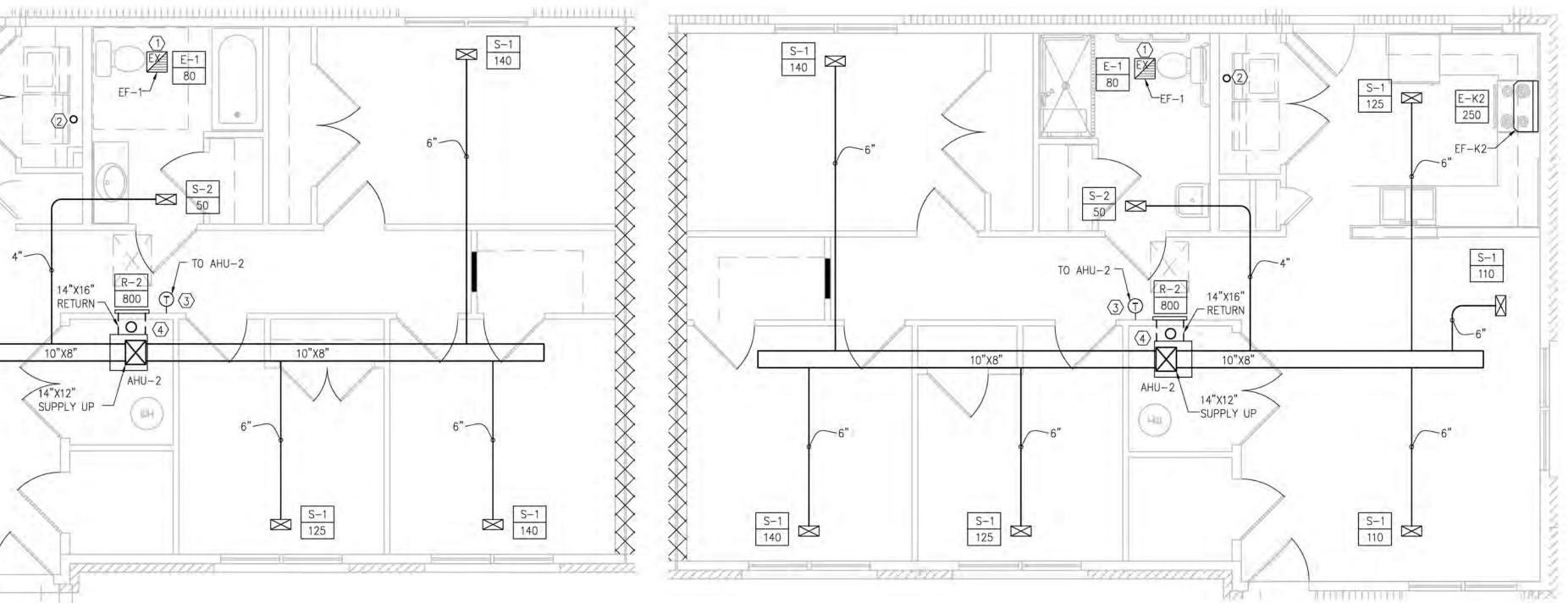




M-1.2







4. ROUTE 6" OUTSIDE AIR DUCT FROM OA-3 DOWN TO RETURN DUCT FROM AHU. PROVIDE DAMPER SHALL BE NORMALLY CLOSED AND SHALL OPEN WHEN AHU IS TURNED ON. SEE SCHEDULE ON SHEET M-0.2 FOR FRESH AIR VALUES AND SYSTEM INFORMATION. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

FRESH AIR VENTILATION SYSTEM TO CONTROL OUTSIDE AIR INTAKE TO AHU. OUTSIDE AIR

3. THERMOSTAT, COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN.

GRAVITY DAMPER. DUCT THICKNESS SHALL BE MINIMUM 0.013" THICK FOR GALVANIZED STEEL AND 0.018" THICK FOR ALUMINUM.

INSTALLATION INSTRUCTIONS). ROUTE UP WALL AND THRU ROOF. PROVIDE GOOSENECK AND

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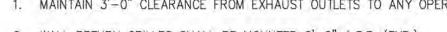
10"X8"

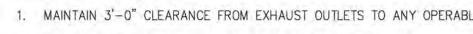
2. 4" SOLID METAL DUCT (MAXIMUM DEVELOPED LENGTH SHALL NOT EXCEED MANUFACTURER'S

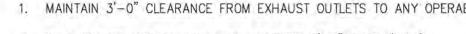
HVAC PLAN GENERAL NOTES:

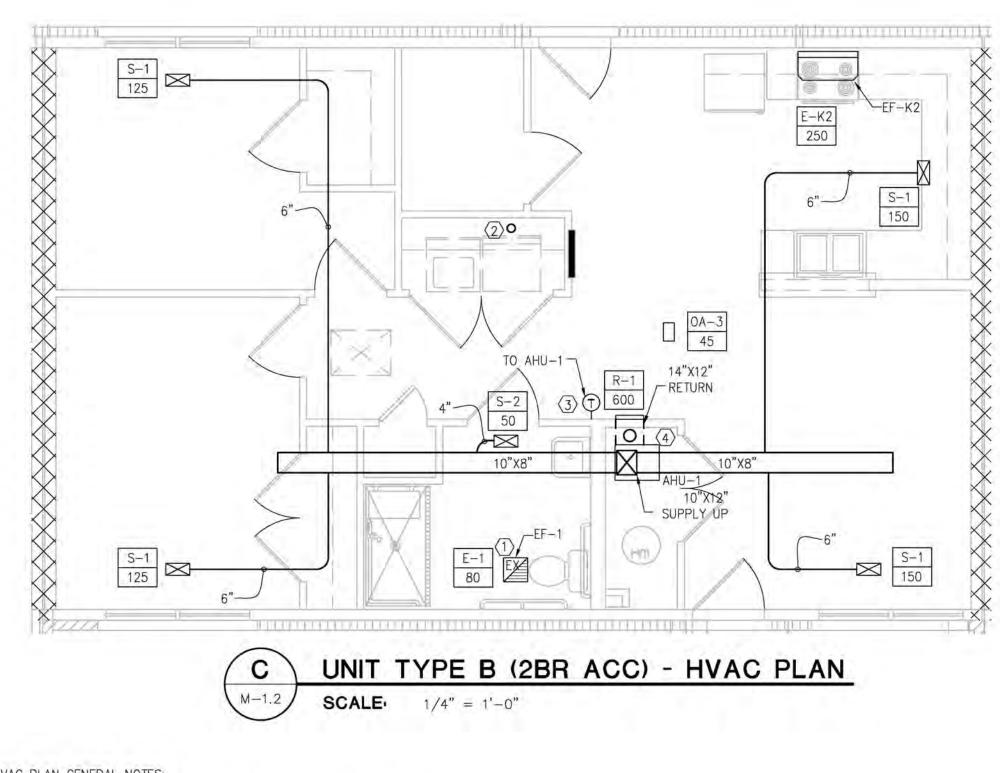
1. MAINTAIN 3'-0" CLEARANCE FROM EXHAUST OUTLETS TO ANY OPERABLE OPENINGS INTO THE BUILDING.

- 2. WALL RETURN GRILLES SHALL BE MOUNTED 0'-6" A.F.F. (TYP.)

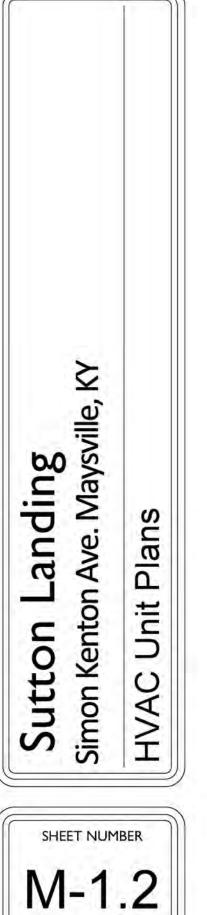




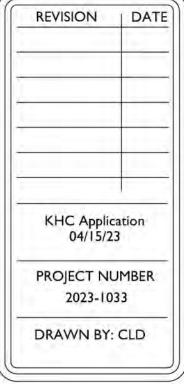


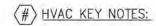




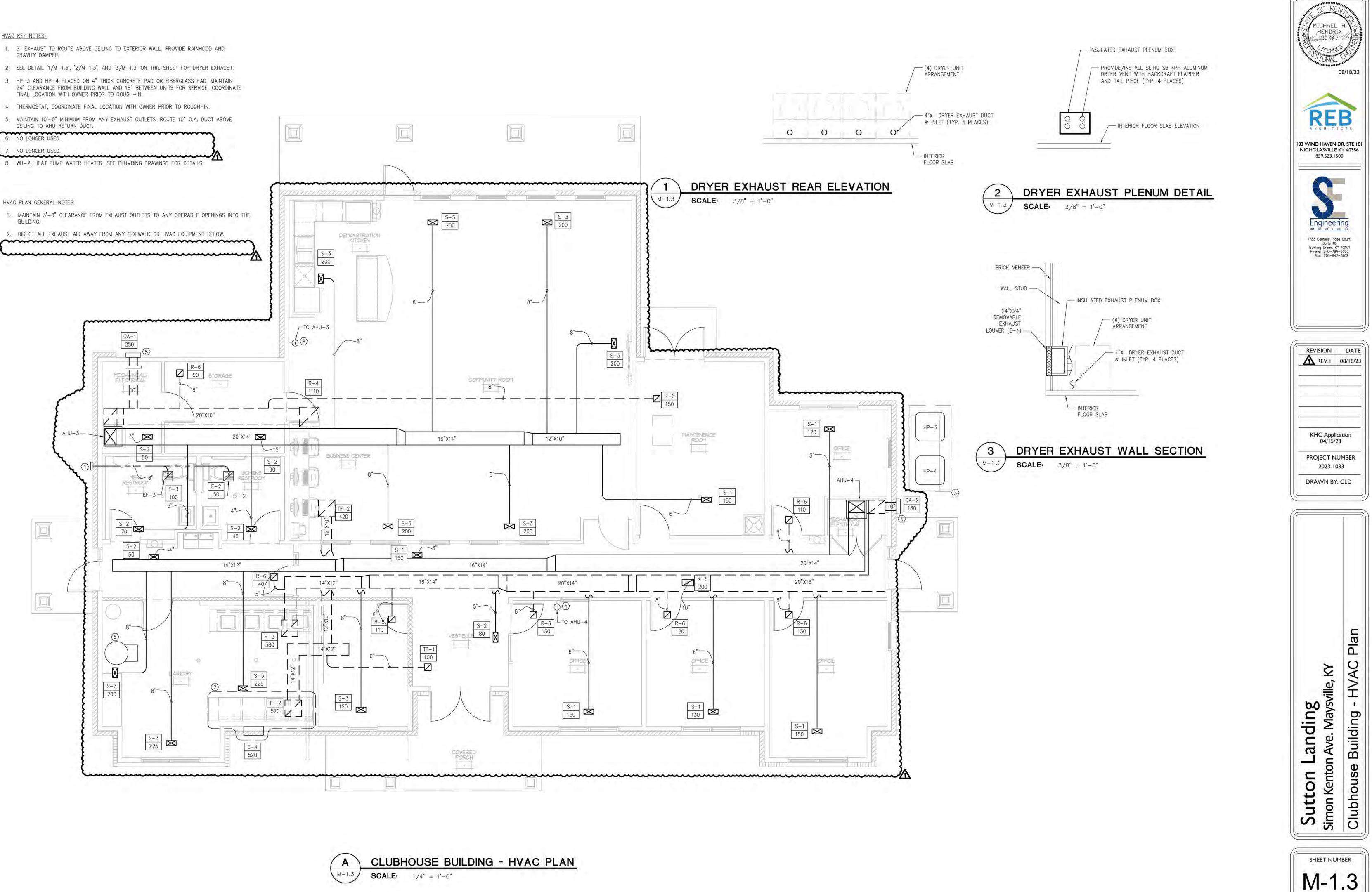


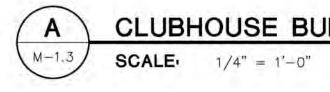






- 3. HP-3 AND HP-4 PLACED ON 4" THICK CONCRETE PAD OR FIBERGLASS PAD. MAINTAIN 24" CLEARANCE FROM BUILDING WALL AND 18" BETWEEN UNITS FOR SERVICE. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN.





### INSTALLATION NOTES:

1. ALL WATER SUPPLY PIPING SHALL BE AS SHOWN ON THE PLANS AND SHALL BE ROUTED UNDER SLAB ENTERING THE BUILDING. WATER LINES SUPPLYING APARTMENT FIXTURES SHALL BE ROUTED ABOVE FIRST FLOOR CEILING AND BELOW SECOND FLOOR, AND IN INTERIOR WALLS/CABINETS AS REQUIRED.

2. ALL INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MATERIAL NOTES AND 2020 KENTUCKY STATE PLUMBING CODE.

3. ALL HOT WATER PIPING SHALL BE INSULATED WITH MIN. R-3 FIBERGLASS INSULATION. ALL COLD WATER PIPING IN UNCONDITIONED SPACE SHALL BE INSULATED WITH MIN. 1" FIBERGLASS INSULATION.

4. INSTALL STOPS IN SUPPLY TO ALL FIXTURES.

5. INSTALL PROPER VALVES AT ALL EQUIPMENT.

6. ALL VENTS, CLEANOUTS, AND PLUMBING AS REQ'D BY STATE PLUMBING CODE.

7. PIPING TO BE CONCEALED IN ALL FINISHED AREAS.

8. CONTRACTOR TO VERIFY ALL DIMENSIONS BEFORE STARTING WORK.

9. ALL EQUIPMENT INSTALLED AS PER CERTIFIED SHOP DRAWING FROM MANUFACTURER.

10. PROVIDE ACCESS PANELS FOR CONCEALED VALVES.

11. AIR CHAMBER AT EACH FIXTURE TO PREVENT WATER HAMMER.

12. FIXTURES SHOWN ARE AN INDICATION OF INTENDED QUALITY, OWNER MAY SELECT OTHER FIXTURES AT THEIR DISCRETION.

13. CONTRACTOR SHALL PROVIDE A 1 YEAR WARRANTY ON PARTS AND LABOR FOR ALL WORK PROVIDED. WARRANTY SHALL COMMENCE UPON FINAL ACCEPTANCE.

14. WATER LINES SHALL NOT BE ROUTED IN EXTERIOR WALLS EXCEPT TO SUPPLY HOSE BIBBS.

15. PROVIDE FLOOR DRAIN AND HUB DRAIN TRAP SEALS OR TRAP PRIMERS AS REQUIRED BY LOCAL CODES.

### MATERIALS

DOMESTIC WATER PIPE - TYPE L COPPER, SCH. 80 PVC OR PEX WASTE AND VENT PIPING - SCHEDULE 40 PVC

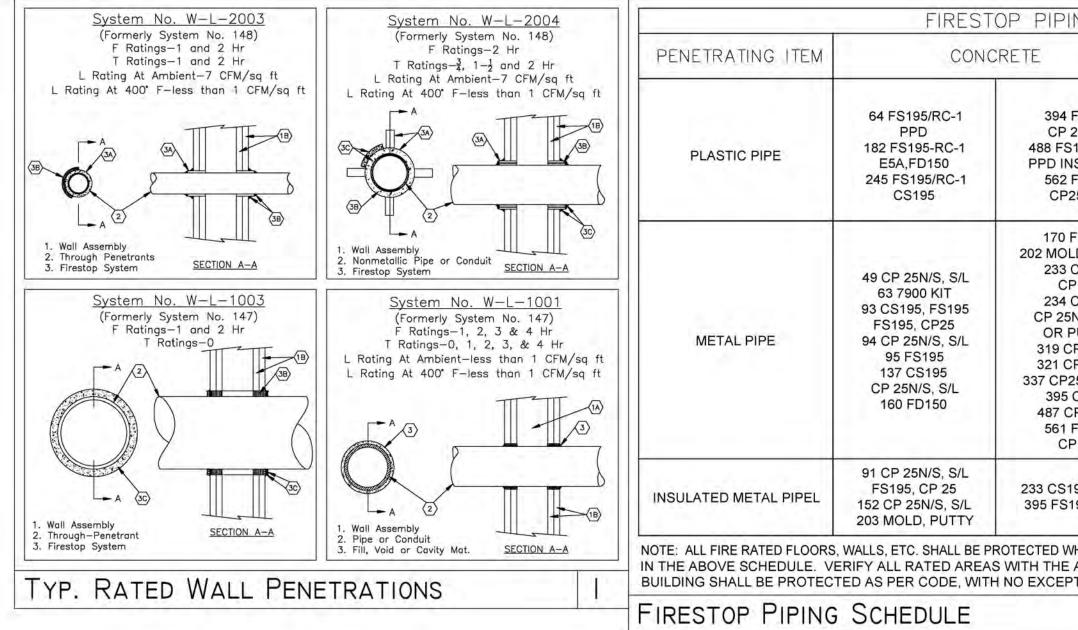
### GENERAL MATERIAL NOTES:

COPPER PIPE FITTINGS SHALL BE WROT COPPER, SOCKET TYPE, MIL-F-1183 WITH 95/5 SOLDER OR "NO LEAD" SOLDER FOR POTABLE WATER.

PVC PIPE FITTINGS 4" AND SMALLER SHALL BE ASTM D-1785, TYPE 1, GRADE 1, SOCKET TYPE WITH ASTM D-2564 SOLVENT CEMENT.

DIELECTRIC UNIONS OR FLANGED UNIONS SHALL BE USED WHEN JOINING DISSIMILAR PIPE MATERIAL.

| ITEM     | PLUMBING FIXTURE SCHEDULE<br>DESCRIPTION   |
|----------|--|
| BP-1     | BACKFLOW PREVENTER PER CODE  |
| DF-1     | DRINKING FOUNTAIN  |
|          | ELKAY, MODEL EZSTL8LFC   |
|          | BI LEVEL, WALL MOUNT, ADA  |
|          | 115V/60HZ, 8.0GPH, 370 WATTS   |
|          | ZURN Z8700 P-TRAP  |
|          | ZURN ZH8822 STOP VALVES  |
| DW-1     | DISHWASHER, ADA (CLUBHOUSE)  |
|          | GE GDT225SSLSS   |
| FD-1     | FLOOR DRAIN  |
|          | ZURN FD2210-PV3  |
| 0.91     | 3" PVC P-TRAP (FIELD ASSEMBLE)   |
| FHB-1    | FREEZELESS HOSE BIBB (KEY TURN)  |
| 6.2°     | WOODFORD MODEL 65  |
| GD-1     | GARBAGE DISPOSAL   |
| K        | GE GFC325V   |
| HB-1     | WALL HYDRANT   |
|          | WOODFORD MODEL 75  |
| KS-1     | TWO COMPARTMENT SINK   |
|          | CMI 481-5476   |
|          | DELTA 100-DST, SINGLE HANDLE FAUCET  |
|          | PROVIDE DRAIN, STRAINER, P-TRAP, & SUPPLIES WITH STOP VALVES                             |
| KS-2     | TWO COMPARTMENT SINK, ADA  |
|          | CMI 482-6507   |
|          | DELTA 100-DST, SINGLE HANDLE FAUCET  |
|          | PROVIDE DRAIN, STRAINER, P-TRAP, & SUPPLIES WITH STOP VALVES                             |
| KS-3     | TWO COMPARTMENT SINK, ADA (CLUBHOUSE)  |
|          | ELKAY LRAD372255, 4-HOLE   |
| 1 41/ 1  | CLEVELAND FAUCET GROUP CA40514C FAUCET, 1.5 GPM  |
| LAV-1    | WALL-MOUNT LAVATORY, ADA   |
|          | AMERICAN STANDARD LUCERNE 0355.012   |
| LAV-2    | PROVIDE P-TRAP, PRE-MOLDED INSULATION ON SUPPLIES AND TRAP                               |
| 1 4 1/ 2 | DELTA 520-GPM-DST, CENTERSET SINGLE HANDLE FAUCET<br>WALL HUNG LAVATORY, ADA (CLUBHOUSE) |
| LAV-2    | AMERICAN STANDARD 9024.004EC   |
|          | 1-1/4" P-TRAP, PRE-MOLDED INSULATION ON SUPPLY AND TRAP                                  |
|          | CLEVELAND FAUCET GROUP CA40710 FAUCET, 1.2 GPM   |
| LAV-3    | CULTURED MARBLE TOP WITH INTEGRAL BOWL TO CABINET BASE                                   |
| LAV-J    | PROVIDE P-TRAP   |
|          | DELTA 500-DST, CENTERSET SINK FAUCET, 1.2 GPM  |
| MS-1     | MOP SINK   |
| 1115 1   | FIAT MSB-2424, 24"x24"x10" HIGH, MOLDED STONE  |
|          | 830-AA SERVICE FAUCET W/ VAC. BREAKER  |
|          | 832-AA HOSE AND HOSE BRACKET   |
|          | 889-CC MOP HANGER, 1453-BB STRAINER  |
| OR       | OPEN RECEPTACLE  |
|          | SEE DETAIL '3/P-0.1'   |
| SH-1     | ROLL-IN ONE-PIECE SHOWER   |
|          | 1603BFSD (60"X34") ACRYLX ALCOVE, CENTER DRAIN   |
|          | DELTA T13420PD FAUCET (1.75 GPM)   |
|          | ZURN FD2210-PV2 DRAIN, 2" PVC P-TRAP (FIELD ASSEMBLE)                                    |
| TB-1     | ONE PIECE TUB & SHOWER COMBINATON  |
|          | OASIS TS4P6030.FH ONE PIECE TUB/SHOWER (60"X30")   |
|          | DELTA T13420PD FAUCET (1.75 GPM)   |
|          | PROVIDE DRAIN AND TUB/SHOWER VALVE   |
| UR-1     | URINAL - WALL HUNG, 1 GPF  |
|          | KOHLER K-4991-ET   |
|          | ZURN Z6003-WS1 MANUAL FLUSH VALVE  |
| W-1      | WASHING MACHINE OUTLET BOX   |
|          | OATEY, MODEL 38532   |
|          | 2" DRAIN OPENING FITS PVC 40 DWV PIPE WITH 1/4 TURN BRASS BALL VALVE                     |
|          | ASTM F1807 PEX   |
| WC-1     | 2-PIECE TOILET, FLOOR MOUNTED, ADA, 1.28 GPF   |
|          | CMI 571-6915 BOWL (ELONGATED)  |
|          | CMI 571-6914 TANK  |
|          | TOILET SEAT NOT INCLUDED   |

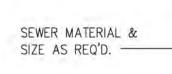


|      | $\sim$ |    |     |      |
|------|--------|----|-----|------|
|      | -      |    | NI  | •    |
| 1.00 |        |    | •   | _    |
|      | F      | FG | FGF | EGEN |

|        | COLD WATER         |
|--------|--------------------|
|        | HOT WATER          |
|        | WATER UNDERSLAB    |
|        | BACKFLOW PREVENTER |
| प्रदूध | SHUTOFF VALVE      |

JOSAM CAST IRON CLEANOUT W. / COVER -FINISHED GRADE OR PAVING -

EXTENSION - SAME SIZE AS SEWER UP TO 4" DIA.



P-0.1

VACUUM RELIEF VALVE OR DIP TUBE CONNECTION -

THERMOMETER \_\_

HOT WATER TO SYSTEM -

BALL VALVE (TYP.)

GALVANIZED NIPPLE (TYP.)

DRAIN PAN -----

18" STEEL STAND

FINISH FLOOR LINE

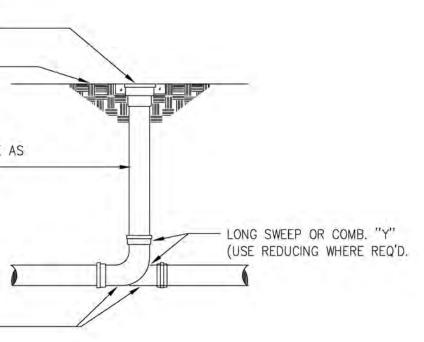
2 P-0.1

3 P-0.1 SCALE NONE

| PLUMBING OPENIN | IG COUNT |
|-----------------|----------|
| BUILDING I      | 30       |
| BUILDING I.A    | 30       |
| BUILDING II     | 24       |
| BUILDING III    | 12       |
| CLUBHOUSE       | 20       |
| PROJECT TOTAL:  | 116      |

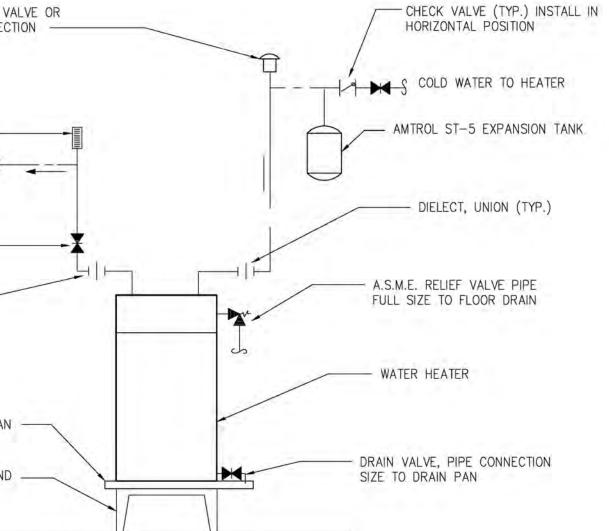
| Item No. | Manuf.   | Model No. | Volt/Phase      | Watts | Remarks                     | Notes |
|----------|----------|-----------|-----------------|-------|-----------------------------|-------|
| WH-1     | RICHMOND | 6E40-D    | 240V/1PH        | 4500  | 40 GALLON ELECTRIC, 0.93 EF | 1,2   |
| WH-2     | AO SMITH | CAHP-120  | 240V/1PH        | 12000 | 119 GALLON ELEC HEAT PUMP   | 1     |
| NOTES:   |          |           | 1.1.1.1.1.1.1.1 |       |                             | 1.00  |

|   | GYPSUM   | WOOD FLR/CEIL.   |
|---|--|--|
| FS195<br>25WB<br>S195;RC-1<br>NSULATE<br>FS195<br>225WB   | 148 FS195/RC-1<br>570 CS195<br>FS195<br>CP25WB                               | 160 FS195/RC-1<br>CS195/PPD<br>167 FS195/RC-1<br>PPD<br>446 FS195/RC-1<br>PPD<br>451 FS195/RC-1<br>PPD |
| FD150<br>PLD, PUTTY<br>CS195<br>CS195<br>5N/S, S/L<br>PUTTY<br>CP25WB<br>CP25WB<br>25N/S, S/L<br>5 CP 25<br>CP25WB<br>FS195<br>FS195<br>CP 25<br>CP25 | 147 CP 25<br>322 CP25WB<br>328 CP 25N/S S/L<br>569 FD150<br>FS195<br>CP 25WB | 159 CS195, CP 25<br>E5A<br>169 CP 25N/S, S/L<br>453 CP 25WB  |
| 195, FS195<br>3195, CP25  | 147 FS195, CP 25<br>566 FS195, CP 25WB<br>567 FS195, CP 252B<br>568 CP 25WB  | 454 FS195<br>CP 25WB   |



### EXTERIOR CLEAN-OUT DETAIL

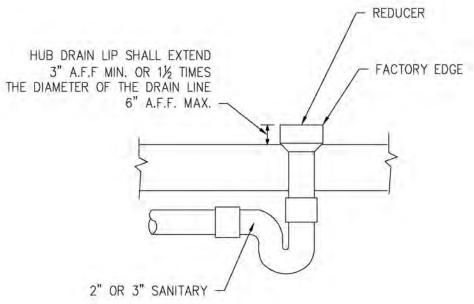
SCALE NONE



NOTE: COORDINATE INSTALLATION WITH WATER HEATER MANUFACTURER'S RECOMMENDATIONS, STATE AND LOCAL CODES.

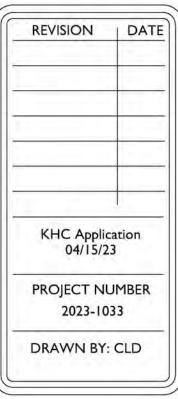
### ELECTRIC WATER HEATER DETAIL

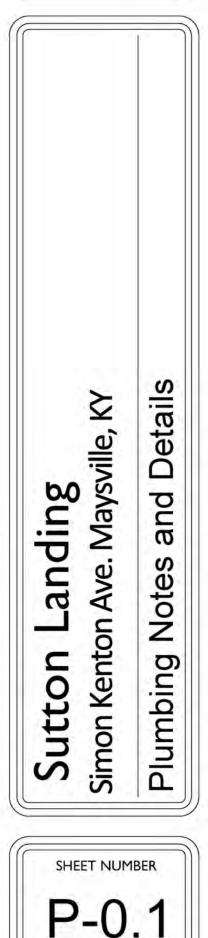
SCALE. NONE

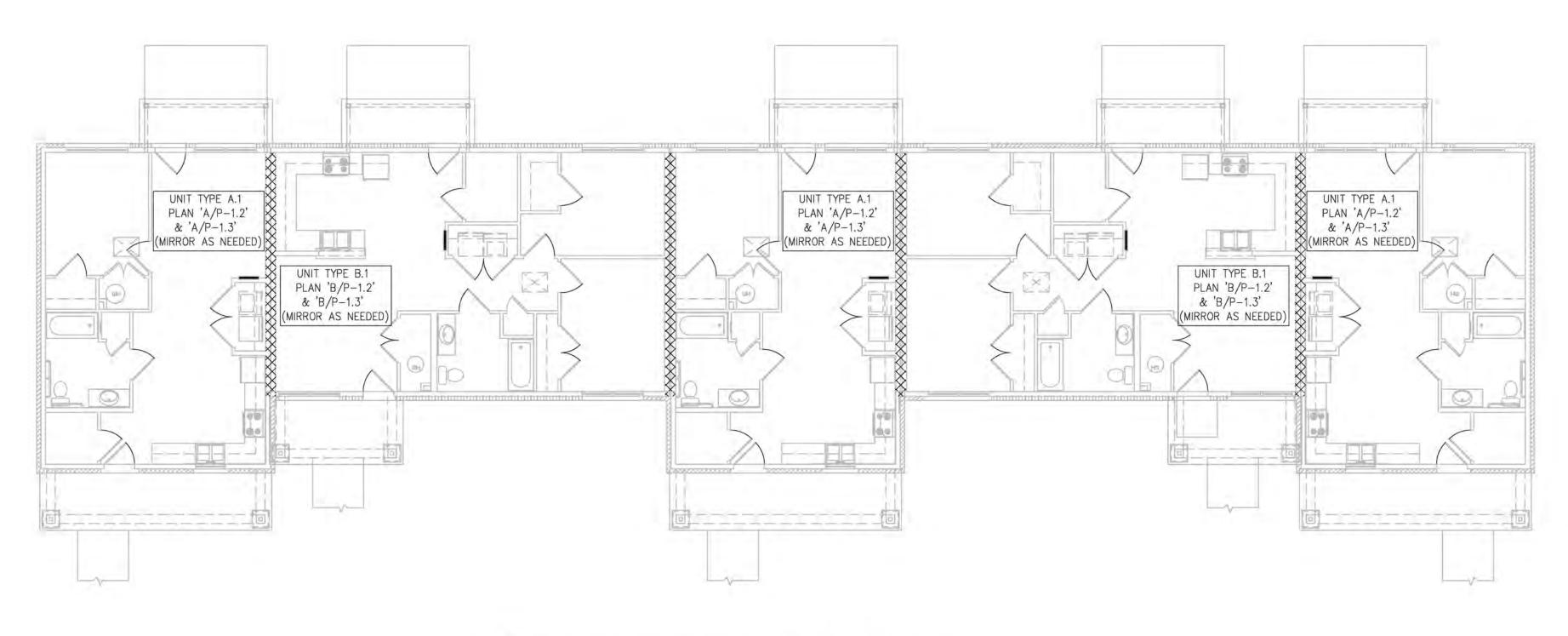


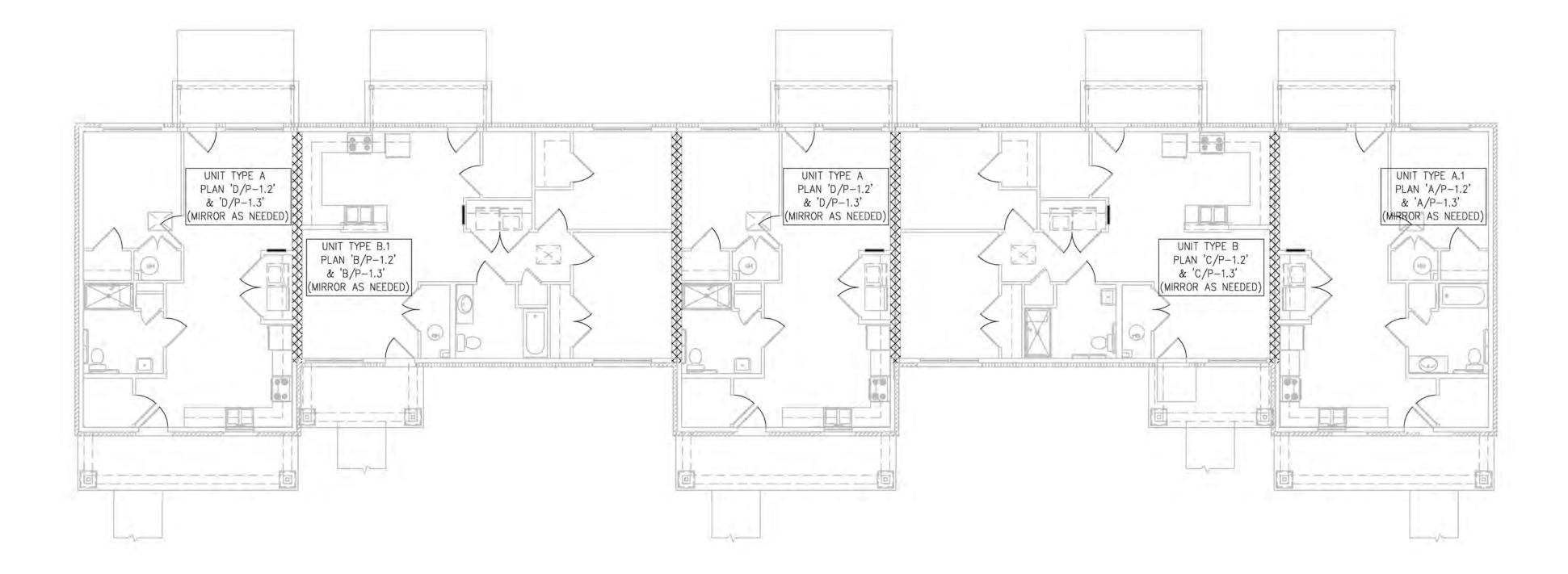
## TYP. OPEN RECEPTACLE DETAIL

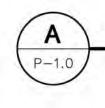




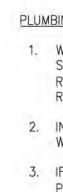








BUILDING TYPE I - PLUMBING PLAN **SCALE** 1/8" = 1'-0"





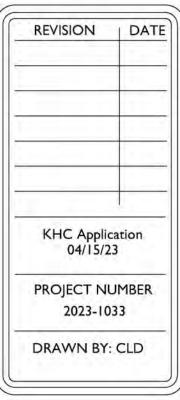
SCALE 1/8" = 1'-0" PLUMBING GENERAL NOTES:

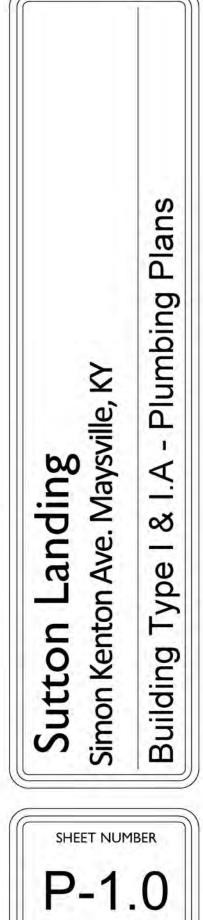
1. WATER LINES ENTERING BUILDING SHALL BE ROUTED UNDER SLAB. WATER LINES SUPPLYING APARTMENT FIXTURES SHALL BE ROUTED ABOVE CEILING AND IN INTERIOR WALLS/CABINETS AS REQUIRED.

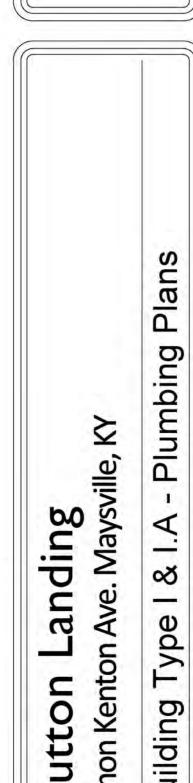
2. INSTALLATION OF WATER PIPING IN EXTERIOR WALLS IS PROHIBITED, EXCEPT TO SUPPLY HOSE BIBBS.

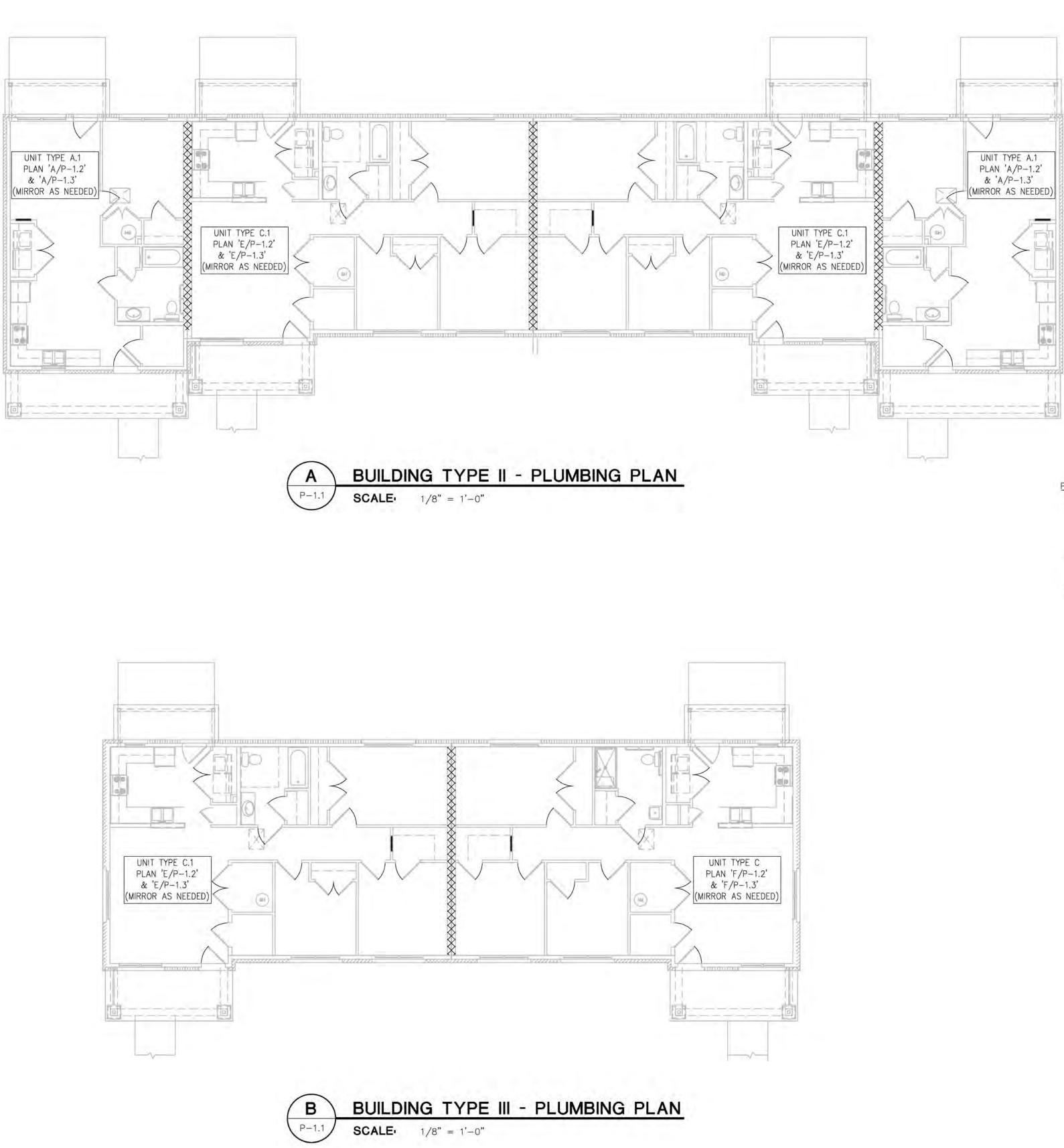
3. IF SERVICE WATER PRESSURE ON SITE IS ABOVE 60 PSI, INSTALL PRESSURE REGULATING VALVE (PRV) BEFORE CONNECTING TO ANY FIXTURE.









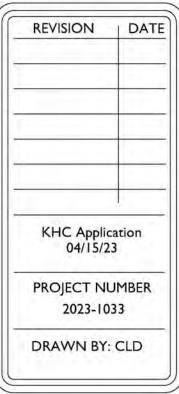




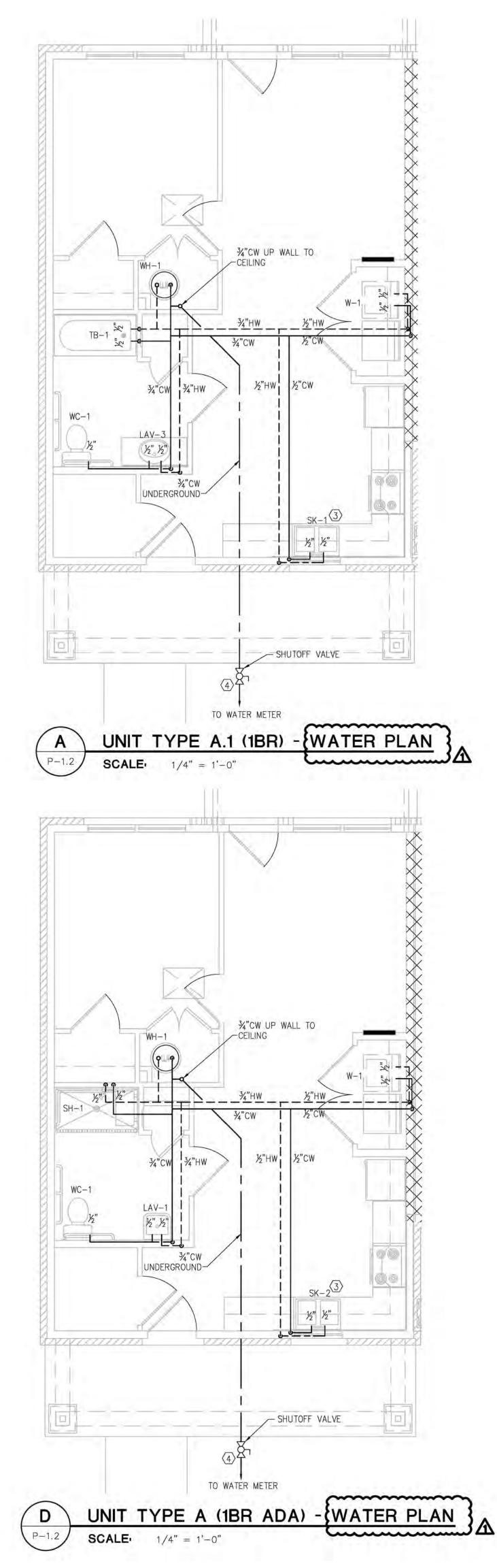
PLUMBING GENERAL NOTES:

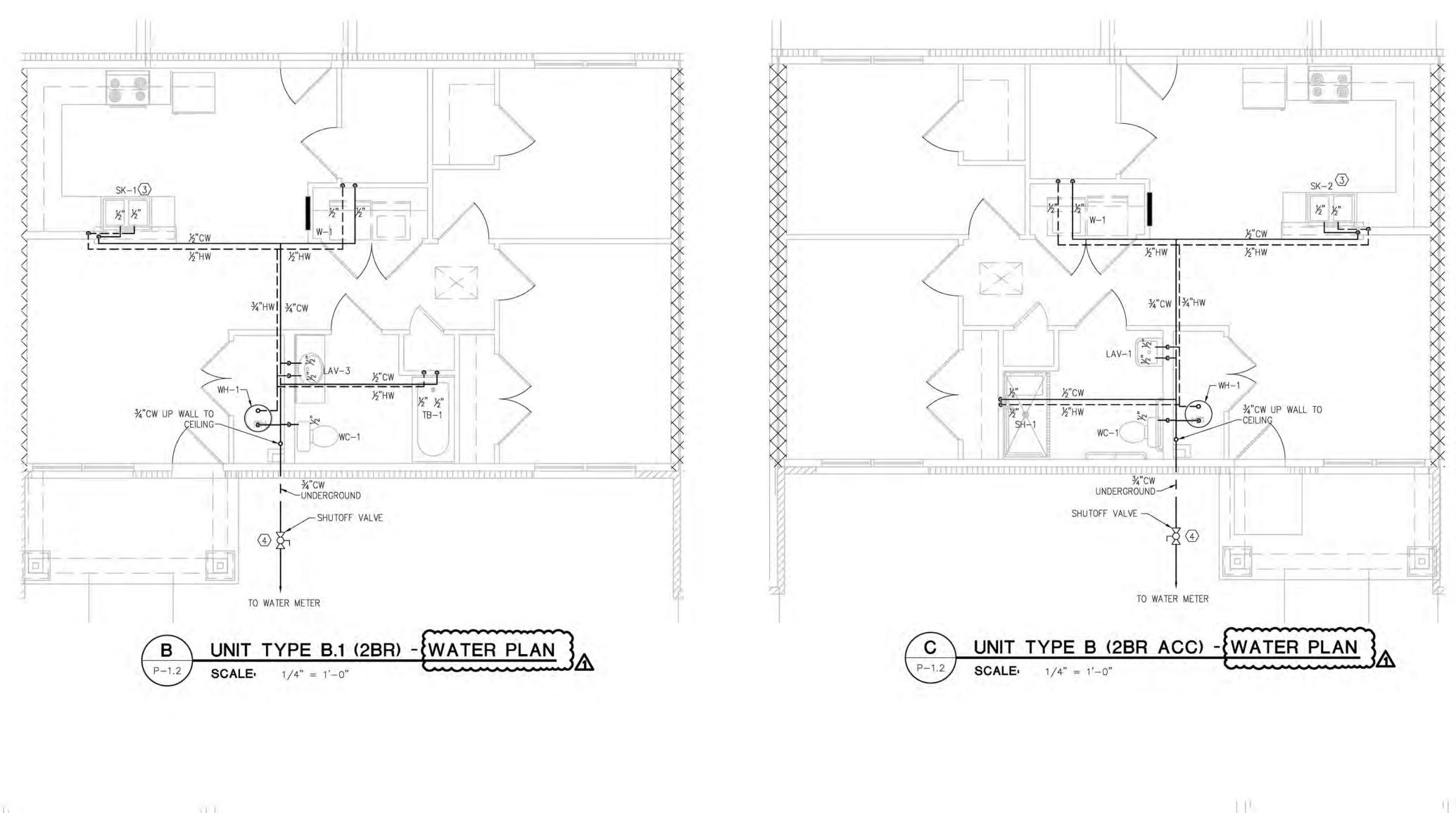
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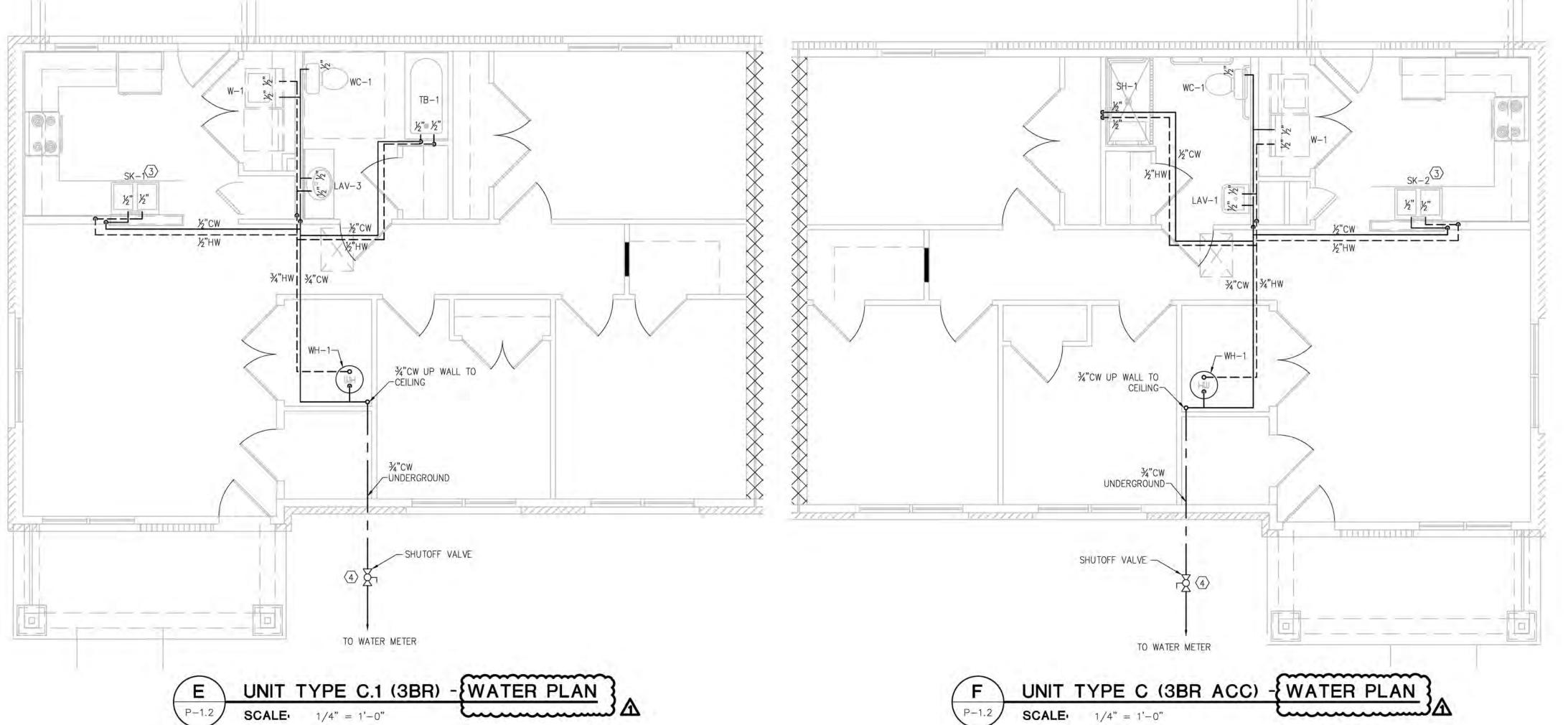




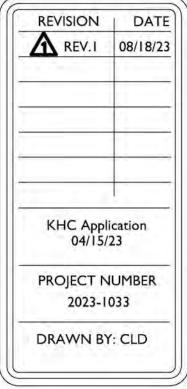
| -anding<br>Ave. Maysville, KY<br>De II & III - Plumbing |                |                                 | Plans                                   |
|---|----------------|---------------------------------|---|
| Sutton L<br>Simon Kenton<br>Building Tvr                | Sutton Landing | Simon Kenton Ave. Maysville, KY | Building Type II & III - Plumbing Plans |

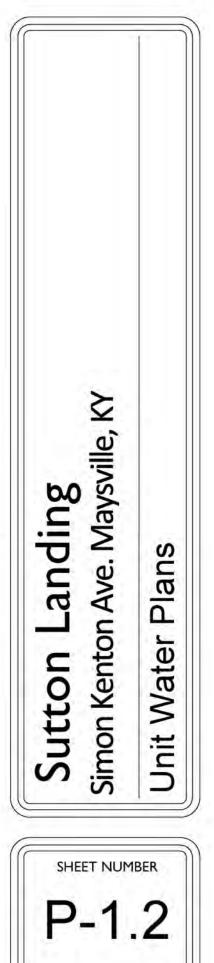


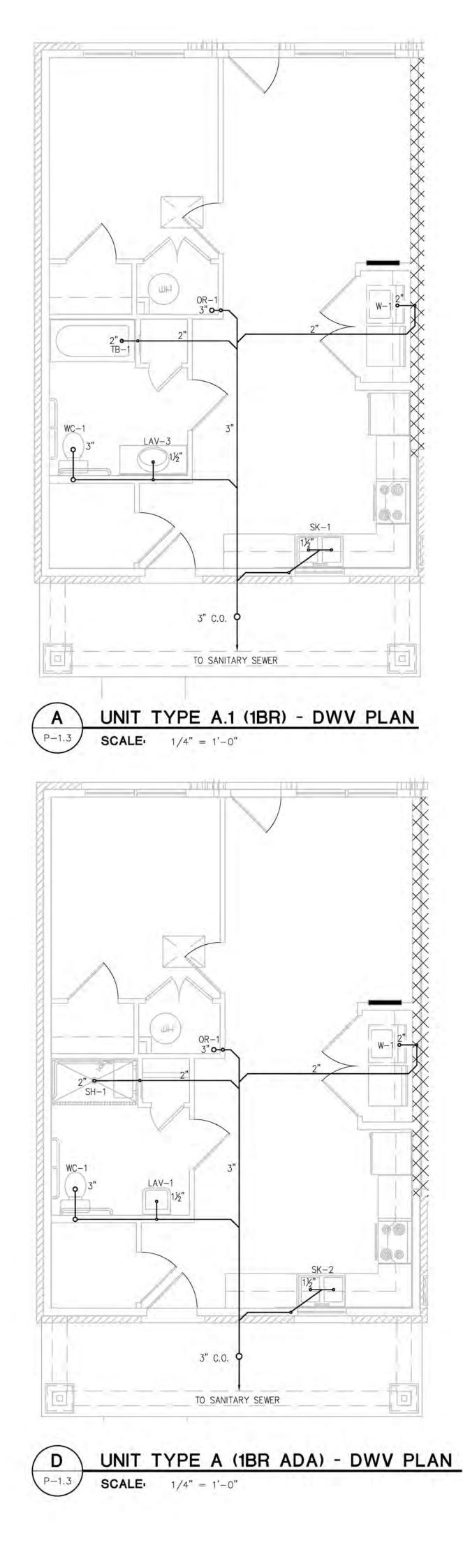


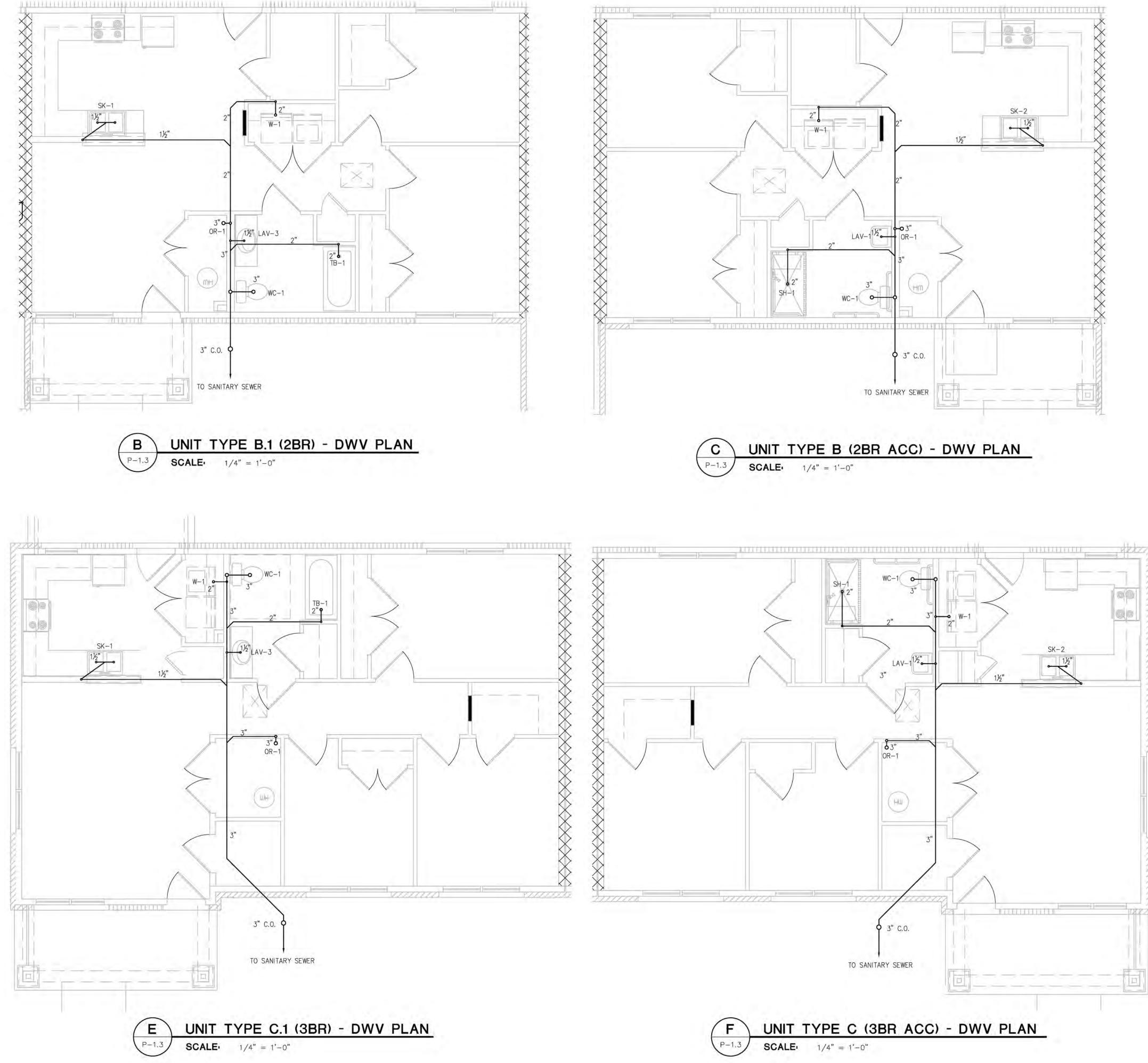


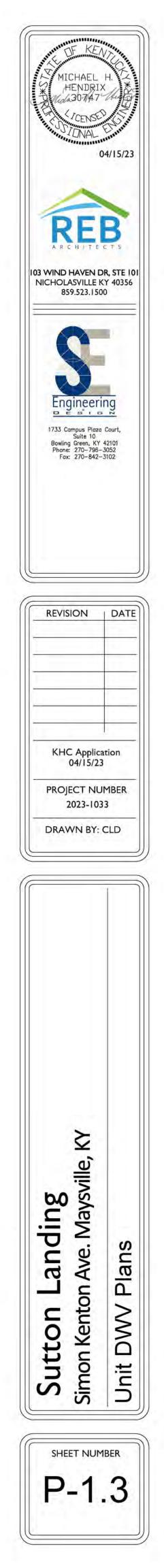


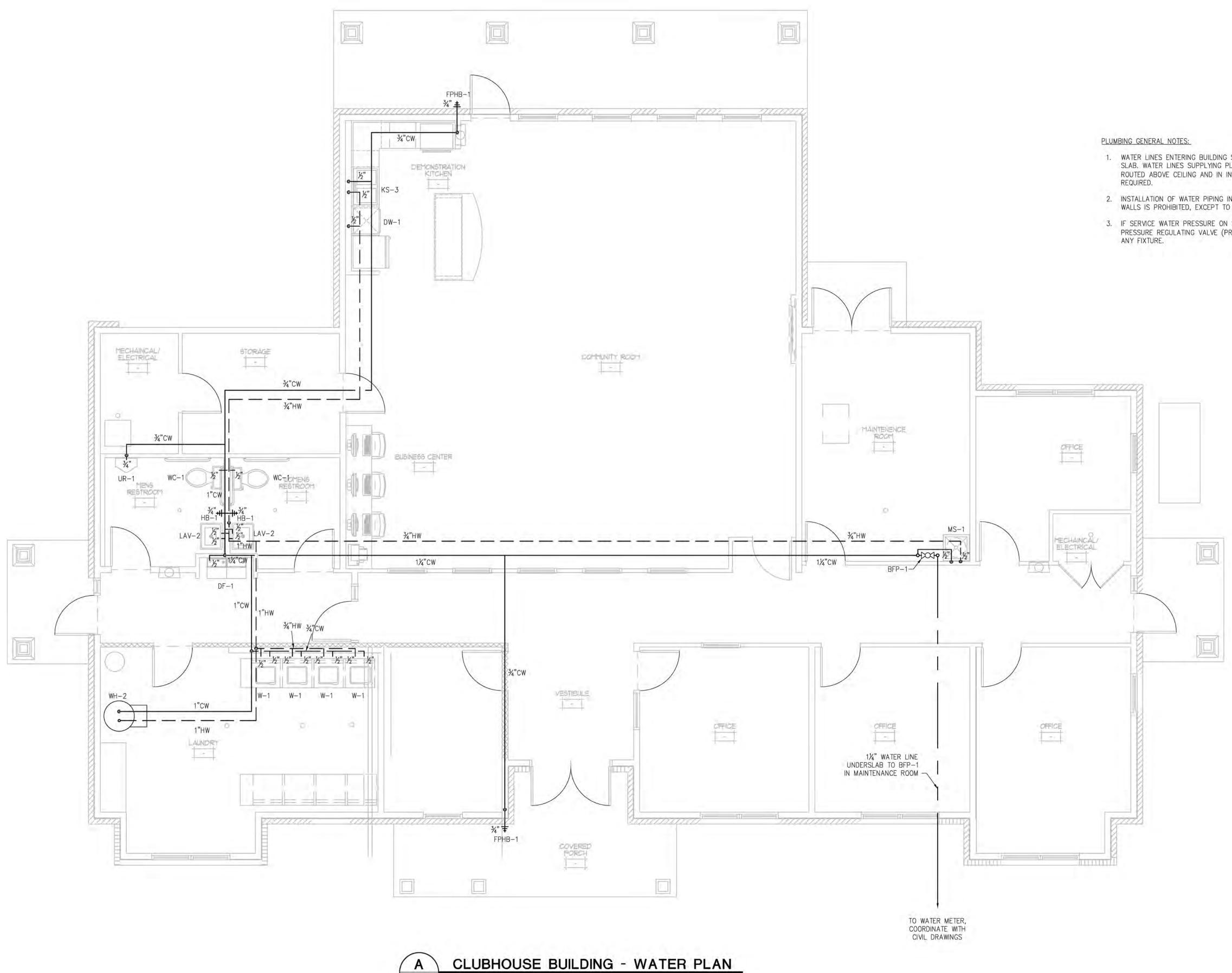










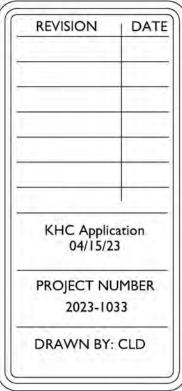


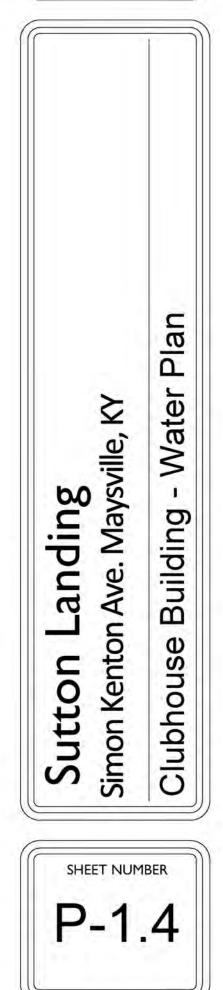
SCALE 1/4" = 1'-0"

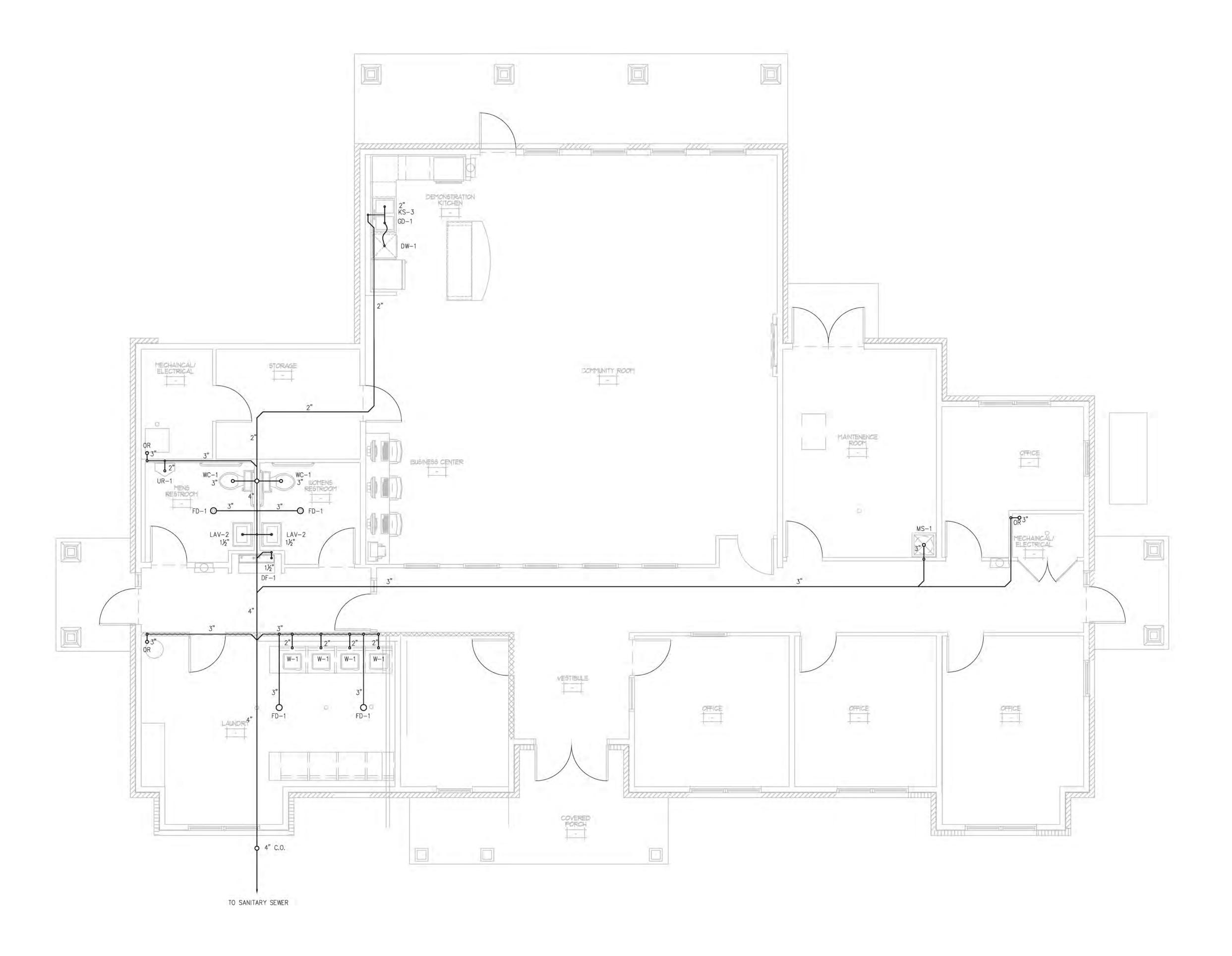
P-1.4

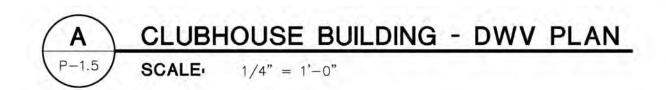
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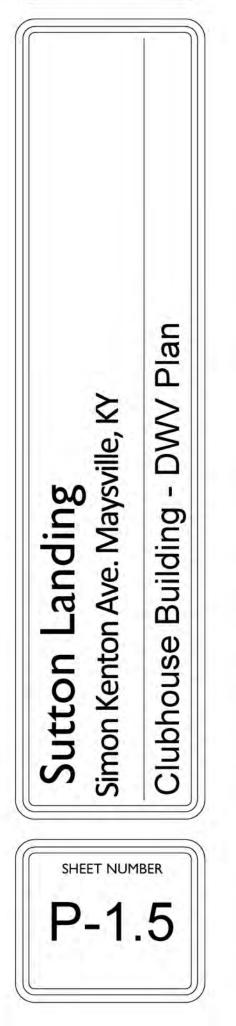


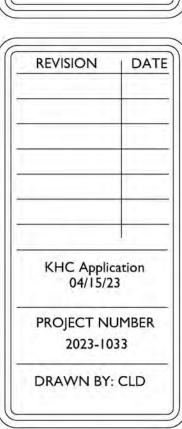




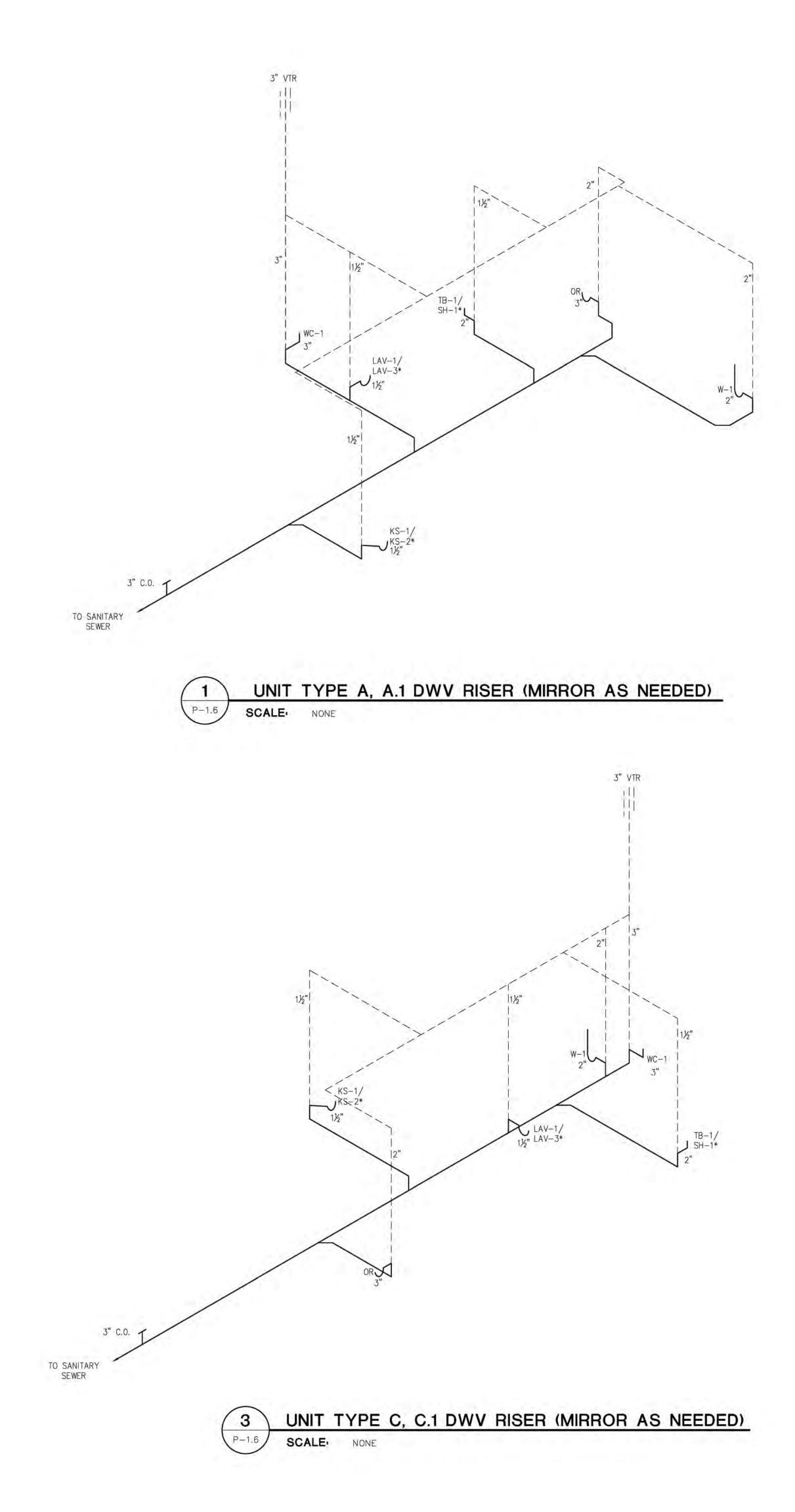


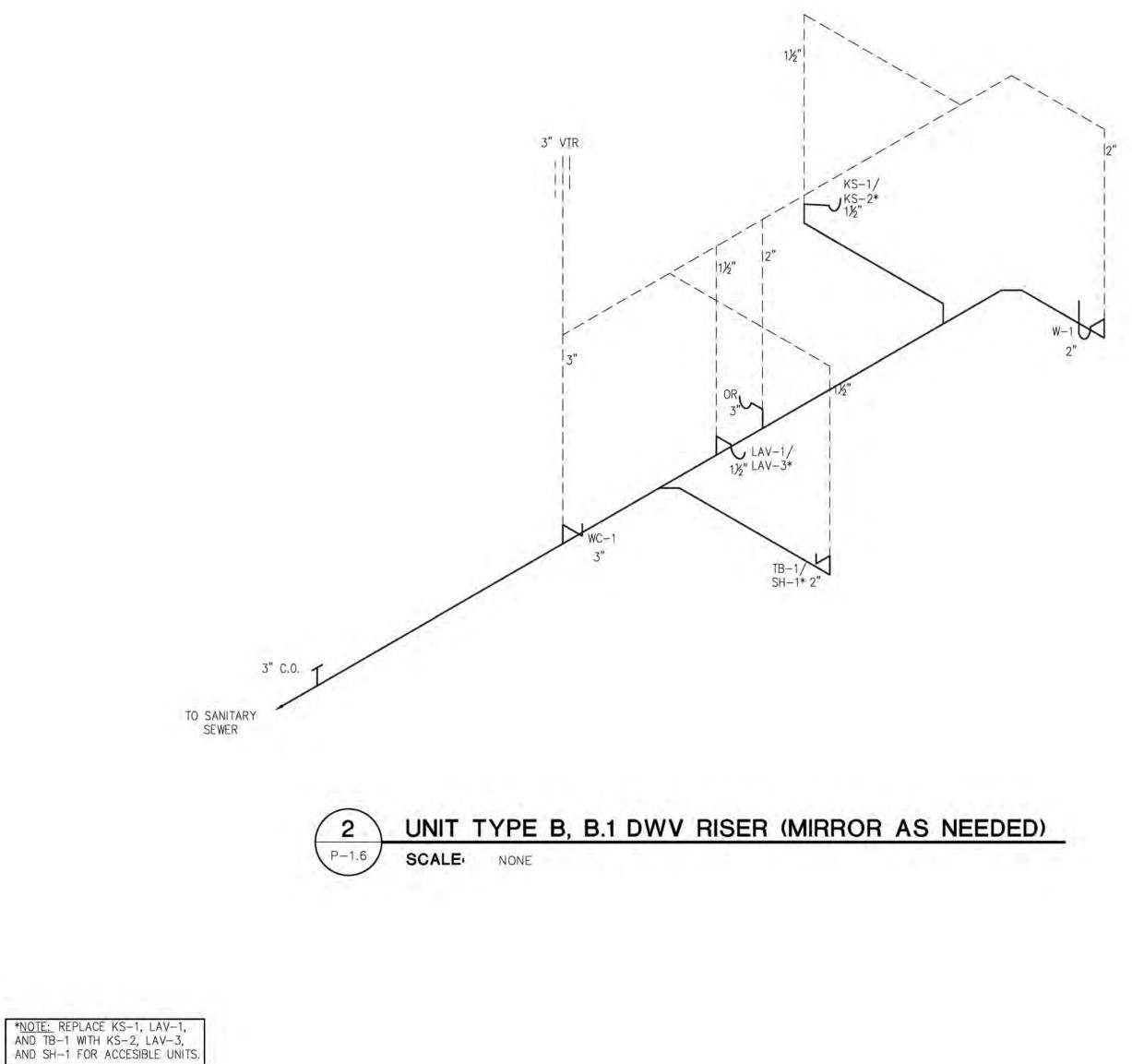




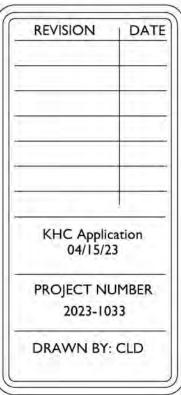


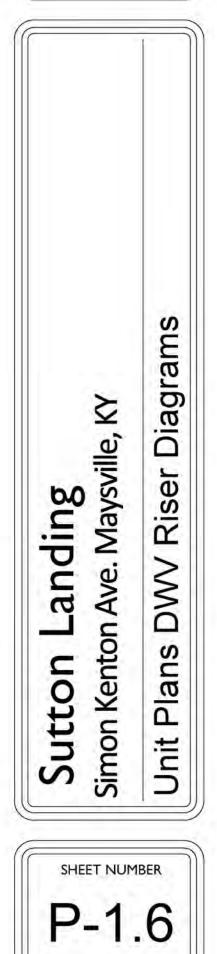


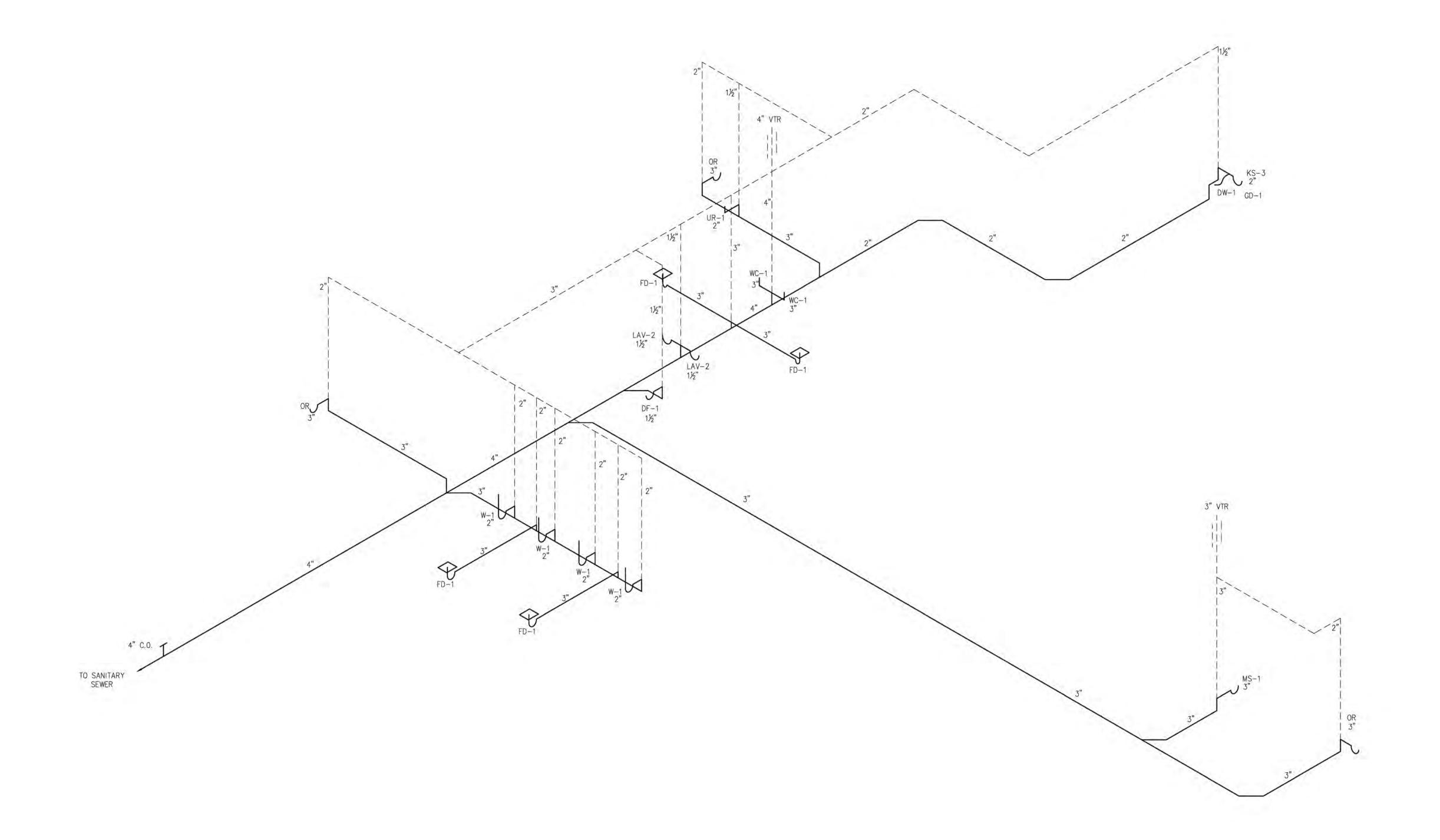




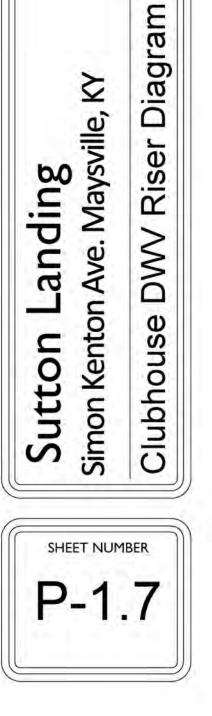


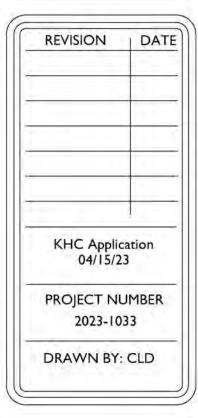












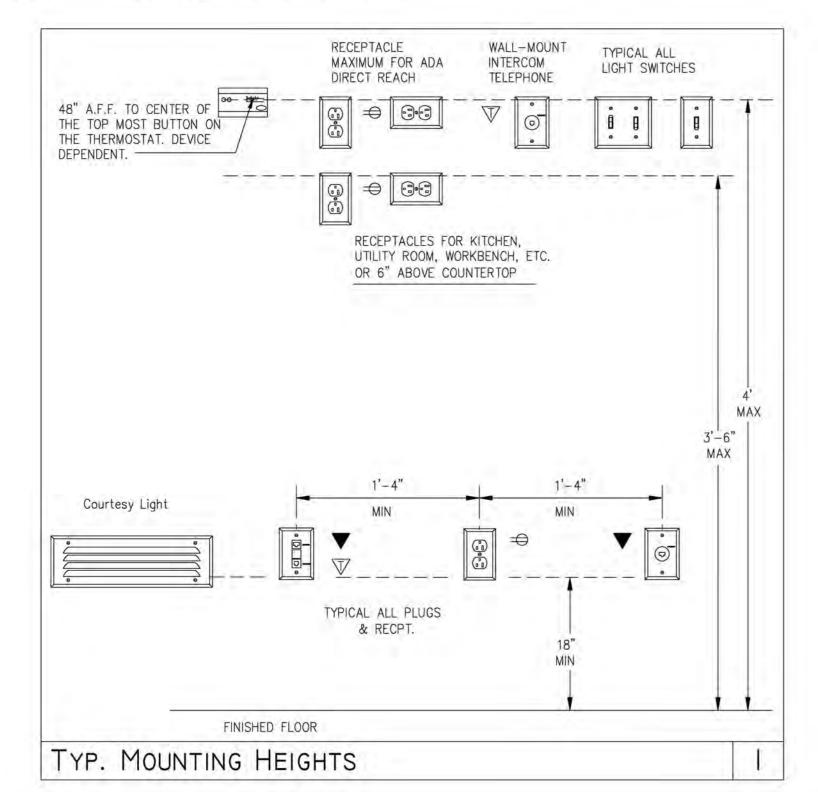


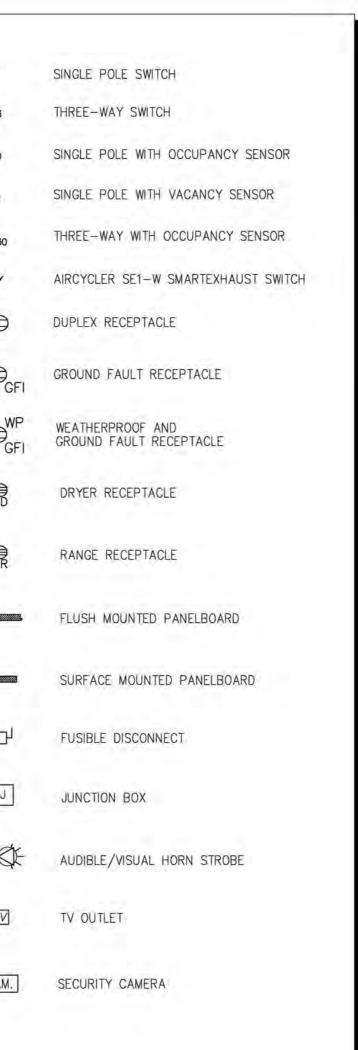
### ELECTRICAL GENERAL NOTES:

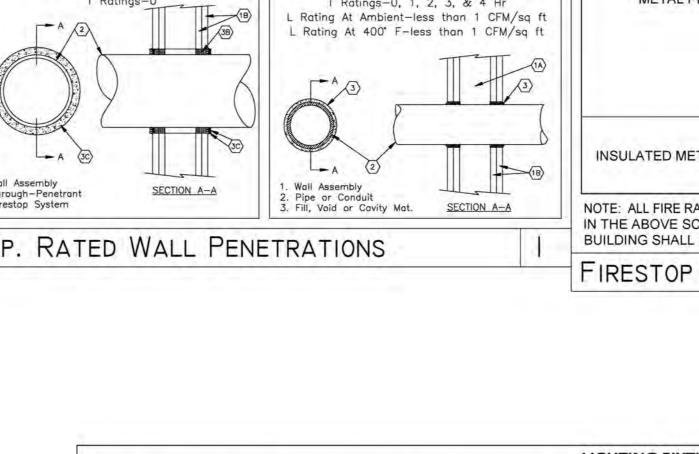
- 1. PROTECT MOTORS 1/2 H.P. OR LESS W/BUSSMAN "SSU" UNIT, FUSED AS REQUIRED BY N.E.C. (120 ONLY).
- 2. TO AVOID SOUND TRANSMISSION BETWEEN ROOMS, DO NOT USE "THRU-THE-WALL" OUTLET BOXES, STAGGER BOXES. MOUNT OUTLET BOXES W/ONE STUD BETWEEN THEM.
- 3. JUNCTIONS FOR DATA, TELEPHONE OR T.V. OUTLETS SHALL BE SINGLE GANG BOXES.
- 4. LEAVE PULL CORDS OR CABLES IN ALL EMPTY CONDUITS W/CONNECTORS OR BUSHINGS AT BOTH ENDS.
- 5. PROVIDE SEPARATE NEUTRALS FOR EACH 20A 120v G.F.I. CIRCUIT. INCREASE NEUTRAL ONE WIRE SIZE FOR COMBINED BRANCH CIRCUITS.
- 6. THE CONTRACTOR SHALL NOTE THAT THE DRAWINGS INDICATE ONLY THE EXTENT DIAGRAMMATICALLY OF THE WORK INTENDED TO BE PERFORMED. WORK INTENDED, HAVING MINOR DETAILS OBVIOUSLY OMITTED SHALL BE FURNISHED & INSTALLED COMPLETE TO PERFORM THE PROPER FUNCTIONS OF THE ELECTRICAL SYSTEMS INTENDED.
- 7. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO COORDINATE W/ALL OTHER TRADES ANY CHANGES IN THE ORIGINAL DRAWINGS OR SPECS, THIS SHALL INCLUDE NO. OR SIZE OF STARTERS, DISCONNECT SWITCHES, FUSES, BREAKERS, CONDUCTORS & CONDUIT.
- 8. PRIOR TO ELECTRICAL ROUGH-IN, THE ELECTRICAL CONTRACTOR MUST HAVE AN APPROVED SET OF MECHANICAL SHOP DRAWINGS. COORDINATE THESE DRAWINGS W/THE MECHANICAL CONTRACTOR AND THE ELECTRICAL ENGINEER. AS A RESULT OF THIS COORDINATION, MINOR CHANGES TO THE ELECTRICAL SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AT NO ADDED EXPENSE TO THE OWNER.
- 9. SYSTEM MANUFACTURERS, (SUCH AS FIRE ALARM, T.V., ETC.) SHALL FURNISH ONE LINE DIAGRAM INDICATING NO. AND SIZE OF CONDUCTORS, CONDUITS AND DEVICES ALONG W/EACH COPY OF THE SHOP DRAWINGS. ALL ELECTRICAL SYSTEMS SHALL BE IN METALLIC CONDUIT UNLESS OTHERWISE NOTED.
- 10. CENTERLINE OF LIGHT SWITCHES SHALL BE AT 44" A.F.F., UNLESS NOTED OTHERWISE.
- 11. BOTTOM OF RECEPTACLES SHALL BE AT 18" A.F.F., UNLESS NOTED OTHERWISE. RECEPTACLES SHOWN AT COUNTERS SHALL BE AT HEIGHT INDICATED IN EQUIPMENT SCHEDULE.
- 12. COORDINATE FINAL LOCATIONS OF CAMERA'S, MONITORS, TV JACKS, TELEPHONE JACKS AND DATA JACKS WITH THE OWNER PRIOR TO CONDUIT ROUGH-IN.
- 13. EXIT AND EMERGENCY LIGHTS SHALL BE POWERED FROM LOCAL CIRCUITS.
- 14. ALL 15- AND 20-AMPERE, 125- AND 250-VOLT NONLOCKING-TYPE IN THE AREAS SPECIFIED IN 2017 NEC 406.12(1) THROUGH (7) SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES.
- ELECTRICAL SPECIFICATIONS:
- 1. ALL WIRING SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND APPLICABLE STATE AND LOCAL CODES.
- 2. PROVIDE GROUNDING AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.
- 3. ALL MATERIAL SHALL BE SPECIFICATION GRADE AND DESIGNED FOR THE INTENDED USE. COLORS SHALL BE SELECTED BY THE OWNER.
- 4. THE CONTRACTOR SHALL GUARANTEE THE ENTIRE ELECTRICAL SYSTEM TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
- 5. AS FAR AS PRACTICAL, RUN ALL WIRING CONCEALED. WHERE IT MUST BE RUN EXPOSED THE WIRING SHALL BE PARALLEL TO THE BUILDING LINES IN A NEAT WORKMANLIKE MANNER.
- 6. THHN WIRING SHALL BE MINIMUM SIZE #12 RUN IN ELECTRICAL METALLIC TUBING USING COMPRESSION FITTINGS.
- 7. WIRING CONDUCTORS SHALL BE COPPER, TYPE THHN, 600 VOLT, #12 AWG MINIMUM. #8 AWG AND LARGER SHALL BE STRANDED CONDUCTORS AND #10 AWG AND SMALLER SHALL BE SOLID. USE OF ALUMINUM WIRE IS PROHIBITED.
- 8. INCANDESCENT LIGHTING FIXTURE WIRE SHALL BE 150° C RATED.
- 9. ROMEX, BX, ETC. SHALL ONLY BE PERMITTED IN AREAS COMPLIANT WITH THE APPLICABLE NATIONAL ELECTRICAL CODE.
- 10. LIGHT FIXTURES SHALL BE PROVIDED WITH ENERGY SAVING LAMPS.
- 11. SEE SHEET E-0.2 AND E-0.3 FOR VOLTAGE DROP AND AIC CALCULATIONS.

### LEGEND

|                   | 1' X 4' LED WRAPAROUND FIXTURE  | S               |
|-------------------|---|-----------------|
|                   | X = FIXTURE LETTER IN TABLE   | S <sub>3</sub>  |
| ®x                | RECESSED CAN LIGHT $X = FIXTURE LETTER IN TABLE$  | So              |
| $\bigcirc$        | MELON SHAPED CEILING MOUNT LIGHT $X = FIXTURE LETTER IN TABLE$                                      | S <sub>V</sub>  |
| A                 |   | S <sub>30</sub> |
| Ox                | CIRCULAR BATHROOM LIGHT $X = FIXTURE$ LETTER IN TABLE   | \$              |
| Øx                | CEILING CAN LIGHT $X = FIXTURE$ LETTER IN TABLE   | €               |
|                   |   | €               |
| └──┘ <sub>x</sub> | BATHROOM VANITY OR CLOSET LIGHT $X = FIXTURE$ LETTER IN TABLE                                       | €               |
| $\boxtimes_{x}$   | CANOPY MOUNT LIGHT FIXTURE<br>X = FIXTURE LETTER IN TABLE   | <b>€</b>        |
| $\otimes \infty$  | EXTERIOR REMOTE EMERGENCY LIGHT $X = FIXTURE$ LETTER IN TABLE                                       | ŧ               |
| $\sim$            | COMBO EMERGENCY/EXIT LIGHT $X = FIXTURE$ LETTER IN TABLE  | -               |
| $Q_{1}$           | EMERGENCY LIGHT<br>X = FIXTURE LETTER IN TABLE  |                 |
|                   |   |                 |
| x (SM)            | SMOKE DETECTOR  | 50              |
| Ø                 | PHOTO CELL  |                 |
|                   |   | SC              |
| Δ                 | DATA/TELEPONE OUTLET — SINGLE GANG<br>BOX, 3/4"Ø CONDUIT TO BE STUBBED<br>ABOVE CEILING/BELOW FLOOR | TV              |
| Ø                 | EXHAUST FAN   |                 |
|                   |   |                 |
|                   |   |                 |



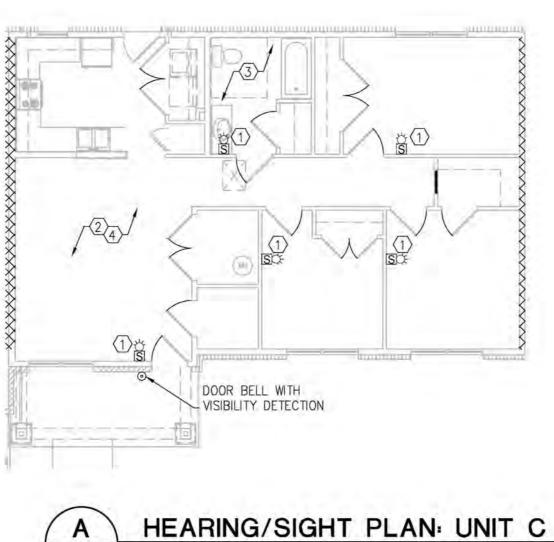




|      |                     |                            | LIGHTING FIXTURE SCH  | HEDULE                 |  |
|------|---------------------|----------------------------|-----------------------|------------------------|--|
| TYPE | MANUFACTURER        | CATALOG NUMBER             | LAMPS (VOLT/QYT/TYPE) | MOUNTING               | DESCRIPTION  |
| А    | Generation Lighting | 75436EN-05                 | 120/3/10W A19 LED     | Ceiling Mount          | Three Light LED Ceiling Flush Mount- Energy Star       |
| В    | Generation Lighting | 75435EN-05                 | 120 / 2 / 10W A19 LED | Ceiling Mount          | Two Light LED Ceiling Flush Mount- Energy Star         |
| С    | Progress            | P8222-28-30K               | 120/1/17W LED         | Ceiling Mount          | LED Flush Mount- Energy Star                           |
| D    | Generation Lighting | 4424603EN3-05              | 120 / 3 / 9W A19 LED  | Wall Mount             | 3 Lamp Bathroom LED Bar Light- Energy Star             |
| E    | Nicor               | 10377EB                    | 120/2/32W Fluorescent | Ceiling Mount          | 1'x 4' Flush Mount Fluorescent Wraparound - Energy Sta |
| F    | American Lighting   | GC-C1-40-DB                | 120 / 1 / 40W LED     | Exterior Ceiling Mount | LED Flush Mount Canopy Light                           |
| G    | Nuvo                | 60-582                     | 120 / 1 / 18W GU24    | Exterior Wall          | Exterior Coach Light (Energy Efficient Bulbs)          |
| J    | Cooper              | PR815D010-PR8M12MDMW-4000K | 120/1/15W LED         | Recessed               | 8" LED Can Light - Energy Star                         |
| XR   | Compass             | CCRRC                      | 120/-/Included        | Surface Mount          | LED Combo Exit/Emergency Light w/ Remote Capacity      |
| RH   | Compass             | CORD                       | 120/-/Included        | Surface Mount          | LED Exterior Remote Emergency Light                    |
| OE   | Compass             | CU2SO                      | 120/-/Included        | Surface Mount          | Outdoor LED Emergency Light                            |
| EM   | Compass             | CU2                        | 120/-/Included        | Surface Mount          | LED Emergency Light                                    |

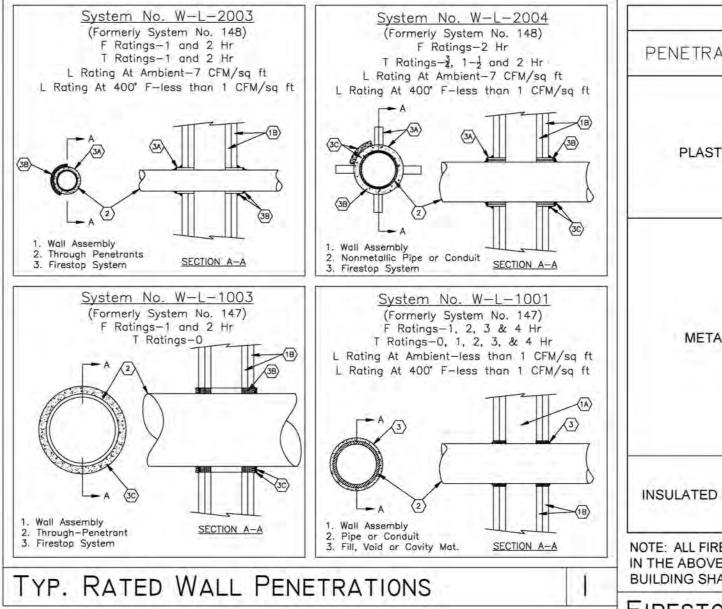
(#) ELECTRICAL KEY NOTES:

- 1. DOORBELL SHALL BE INTERCONNECTED WITH STROBE LIGHTS LOCATED IN LIVING ROOMS, BATHROOMS, AND BEDROOMS. STROBE LIGHTS SHALL FLASH TO ALERT RESIDENT.
- 2. SMOKE DETECTORS IN HEARING/SIGHT IMPAIRED ROOMS SHALL BE EQUIPPED WITH FLASHING STROBES. SEE UNIT PLANS ON SHEETS E-1.0 THRU E-1.4 FOR SMOKE DETECTOR LOCATIONS.
- 3. PROVIDE REMOTE VISUAL SIGNAL IN BATHROOMS THAT IS TIED TO SMOKE ALARMS. SEE SHEETS E-1.0 THRU E-1.4 FOR SMOKE DETECTOR LOCATIONS.
- 4. SEE ARCHITECTURAL DRAWING FOR LOCATION OF ACCESSIBLE UNIT & HEARING/SIGHT IMPAIRED ROOMS.



SCALE: 1/4" = 1'-0"

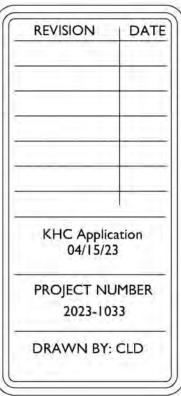
E-0.1

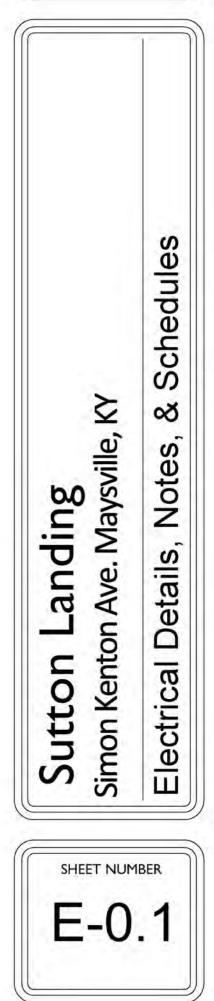


| 95 FS195         319 CP25WB         569 FD150         169 CP 25N/S, S/L           137 CS195         321 CP25WB         S21 CP25WB         FS195         453 CP 25WB           160 FD150         395 CP 25         395 CP 25         CP 25WB         CP 25WB         453 CP 25WB           160 FD150         487 CP25WB         395 CP 25         CP 25WB         CP 25WB         CP 25WB         453 CP 25WB           0 METAL PIPEL         91 CP 25N/S, S/L         233 CS195, FS195         147 FS195, CP 25         454 FS195           152 CP 25N/S, S/L         233 CS195, FS195         566 FS195, CP 25         454 FS195         CP 25WB           203 MOLD, PUTTY         395 FS195, CP25         568 CP 25WB         CP 25WB         CP 25WB           RE RATED FLOORS, WALLS, ETC. SHALL BE PROTECTED WHERE PIPING PENETRATES WITH 3M SYSTEMS AS NOTED         CP 25WB         CP 25WB  | ATING ITEM      | CONC  | RETE  | GYPSUM   | WOOD FLR/C  | EIL      |
|---|-----------------|---|---|--|---|----------|
| Image: Application of the protect of the pr | STIC PIPE       | PPD<br>182 FS195-RC-1<br>E5A,FD150<br>245 FS195/RC-1  | CP 25WB<br>488 FS195;RC-1<br>PPD INSULATE<br>562 FS195  | 570 CS195<br>FS195                                   | CS195/PPD<br>167 FS195/RC<br>PPD<br>446 FS195/RC<br>PPD<br>451 FS195/RC | -1<br>-1 |
| D METAL PIPELFS195, CP 25<br>152 CP 25N/S, S/L<br>203 MOLD, PUTTY233 CS195, FS195<br>395 FS195, CP25566 FS195, CP 25WB<br>567 FS195, CP 252B<br>568 CP 25WB454 FS195<br>CP 25WBRE RATED FLOORS, WALLS, ETC. SHALL BE PROTECTED WHERE PIPING PENETRATES WITH 3M SYSTEMS AS NOTED   | AL PIPE         | 63 7900 KIT<br>93 CS195, FS195<br>FS195, CP25<br>94 CP 25N/S, S/L<br>95 FS195<br>137 CS195<br>CP 25N/S, S/L | 202 MOLD, PUTTY<br>233 CS195<br>CP 25<br>234 CS195<br>CP 25N/S, S/L<br>OR PUTTY<br>319 CP25WB<br>321 CP25WB<br>337 CP25N/S, S/L<br>395 CP 25<br>487 CP25WB<br>561 FS195 | 322 CP25WB<br>328 CP 25N/S S/L<br>569 FD150<br>FS195 | E5A<br>169 CP 25N/S, 5  | S/L      |
|   | D METAL PIPEL   | FS195, CP 25<br>152 CP 25N/S, S/L   |   | 566 FS195, CP 25WB<br>567 FS195, CP 252B             | 2. 2. 3. A 1. 2. 1 A 1. 2. 1  |          |
| /E SCHEDULE. VERIFY ALL RATED AREAS WITH THE ARCHITECTURAL PLANS. ALL RATINGS THROUGHOUT TH<br>HALL BE PROTECTED AS PER CODE, WITH NO EXCEPTIONS.   | /E SCHEDULE. VE | ERIFY ALL RATED AREAS   | S WITH THE ARCHITECT  |  |   | THE      |

NOTE FOR ALL MOLTIFAMILET DWELLING BOLDINGS. IF INTERIOR EIGHTING FIXTORES ARE NOT ENERGY STAR RATED, THEN ENERGY STAR RATED AND EISTED BOLDS MOST BE USE







| M    | OUNT:  | SURF  | ACE  | 120   | /240  | 1-PHASE, 3W | M   | ETER      | R CE | INTER                             | RI                | CAPACITY               | 400A       |           | V. 1  | ROP:   | 0.68% |      |
|------|--------|-------|------|-------|-------|-------------|-----|-----------|------|-----------------------------------|-------------------|------------------------|------------|-----------|-------|--------|-------|------|
| LOCA | TION:  | PLAN  | WEST | SIDE  | OF BU | ILDING I    | LL  | LUGS: MCB |      | в                                 | DEMAND LOAD: 325A |                        |            | AV. F.    | AULT: | 18,518 | 3 A   |      |
| CKT  | LTG    | REC   | HVAC | RES   | NP    | DESCRIPTION | AMP | POL       | φ    | AMP                               | POLE              | DESCRIPTION            | LTG        | REC       | HVAC  | RES    | NP    | CKT  |
| 1    | 0.0    | 0.0   | 3.4  | 14.5  | 1.6   | PANEL A     | 125 | 2         | A    | 125                               | 2                 | PANEL B                | 0.0        | 0.0       | 3.4   | 14.5   | 1.6   | 2    |
| 3    | 0.0    | 0.0   | 3.4  | 12.3  | 1.6   | FANELA      | 125 | -         | В    | 125                               | 2                 | PANEL D                | 0.0        | 0.0       | 3.4   | 13.4   | 1.6   | 4    |
| 5    | 0.0    | 0.0   | 3.4  | 14.5  | 1.6   | PANEL A     | 125 | 2         | A    | 125                               | 2                 | PANEL B                | 0.0        | 0.0       | 3.4   | 14.5   | 1.6   | 6    |
| 7    | 0.0    | 0.0   | 3.4  | 12.3  | 1.6   | FANEL A     | 125 | -         | В    | 125                               | -                 | PANEL D                | 0.0        | 0.0       | 3.4   | 13.4   | 1.6   | 8    |
| 9    | 0.0    | 0.0   | 3.4  | 14.5  | 1.6   | PANEL A     | 125 | 2         | A    | 60                                | 2                 | PANEL H1               | 0.0        | 0.6       | 0.1   | 0.0    | 0.0   | 10   |
| 11   | 0.0    | 0.0   | 3.4  | 12.3  | 1.6   | CANEL A     | 125 | 4         | В    | 00                                | -                 | FANELIN                | 0.7        | 0.0       | 0.0   | 0.0    | 0.0   | 12   |
| DI   |        |       | CE.  | LOAD  | TYPE  | CONNECTED   |     | DEMAND    |      | DEMA                              | ND FORMULA        |                        | TOTAL LOAD |           |       | )      |       |      |
| Pr   | HASE E | SALAN | UE . | LIGH  | TING  | 0.7 KVA     |     | 0.9 KVA   |      | LOAD X 125% NEC 210.19 CONTINUOUS |                   |                        | S          | CONNECTED |       | DEN    | AND   |      |
| ф    | LC     | AD    | %    | RECEP | TACLE | 0.6 KVA     |     | 0.6 KVA   |      | 10KVA + 50% REMAINDER NEC 220.44  |                   |                        |            | 187.6 KVA |       | 78.1KV |       |      |
| A    | 98.3   | KVA   | 52%  | HV    | AC    | 34.2 KVA    |     | 15.4      | KVA  |                                   | LOAD              | X 45% NEC 220.84 (5 UN | VITS)      |           | 781   | .8A    | 32    | 5.3A |
| в    | 89.3   | KVA   | 48%  | R     | ES    | 136.0 KVA   |     | 61.2      | KVA  | 1                                 | LOAD              | X 45% NEC 220.84 (5 U  | VITS)      |           |       | 11     |       |      |
|      |        |       |      | N     | P     | 16.1 KVA    |     | 0.0       | (VA  | []                                | 0 NON             | COINCIDENTAL LOADS     | NEC 220.   | 60        | 1     |        |       |      |

| M    | DUNT:  | SURF | ACE  | 120   | 240   | 1-PHASE, 3W | ME       | TER       | CEN | NTER                            | I.A                               | CAPACITY               | 400A     |     | V. I       | DROP:               | 0.68%   | ķ.  |  |
|------|--------|------|------|-------|-------|-------------|----------|-----------|-----|---------------------------------|-----------------------------------|------------------------|----------|-----|------------|---------------------|---------|-----|--|
| LOCA | TION:  | PLAN | WEST | SIDE  | OF BU | ILDING I.A  | LL       | LUGS: MCB |     |                                 | в                                 | DEMAND LOAD: 325A      |          |     |            | AV. FAULT: 18,518 A |         |     |  |
| CKT  | LTG    | REC  | HVAC | RES   | NP    | DESCRIPTION | AMP      | POLI      | ф   | AMP                             | POLE                              | DESCRIPTION            | LTG      | REC | HVAC       | RES                 | NP      | CKT |  |
| 1    | 0.0    | 0.0  | 3.4  | 14.5  | 1.6   | PANEL A     | 125      | 2         | A   | 125                             | 2                                 | PANEL B                | 0.0      | 0.0 | 3.4        | 14.5                | 1.6     | 2   |  |
| 3    | 0.0    | 0.0  | 3.4  | 12.3  | 1.6   | PANEL A     | 125      | 2         | в   | 125                             | - 2                               | PANEL D                | 0.0      | 0.0 | 3.4        | 13.4                | 1.6     | 4   |  |
| 5    | 0.0    | 0.0  | 3.4  | 14.5  | 1.6   | PANEL A     | 125      | 2         | A   | 125                             | 2                                 | PANEL B                | 0.0      | 0.0 | 3.4        | 14.5                | 1.6     | 6   |  |
| 7    | 0.0    | 0.0  | 3.4  | 12.3  | 1.6   | PANELA      | 125      | 4         | В   | 125                             | -                                 | PANEL D                | 0.0      | 0.0 | 3.4        | 13.4                | 1.6     | 8   |  |
| 9    | 0.0    | 0.0  | 3.4  | 14.5  | 1.6   | PANEL A     | 125      | 2         | Α   | 60                              | 2                                 | PANEL H1               | 0.0      | 0.6 | 0.1        | 0.0                 | 0.0     | 10  |  |
| 11   | 0.0    | 0,0  | 3,4  | 12.3  | 1.6   | FANELA      | 125      | -         | В   | 00                              | 2                                 | FANEL III              | 0.7      | 0.0 | 0.0        | 0.0                 | 0.0     | 12  |  |
|      |        |      |      | LOAD  | TYPE  | CONNECTED   | DEMAND   |           |     | )                               | DEMAND FORMULA                    |                        |          |     | TOTAL LOAD |                     |         |     |  |
| Pr   | IASE E | ALAN | CE   | LIGH  | TING  | 0.7 KVA     | -        | 0.9       | (VA |                                 | LOAD X 125% NEC 210.19 CONTINUOUS |                        |          |     | CONNECTED  |                     | DEMAND  |     |  |
| ф    | LO     | AD   | %    | RECEP | TACLE | 0.6 KVA     | 0.6 KVA  |           |     |                                 | 10KVA + 50% REMAINDER NEC 220.44  |                        |          |     | 187.6 KVA  |                     | 78.1KVA |     |  |
| Α    | 98.3   | KVA  | 52%  | HV    | AC    | 34.2 KVA    | 1111-2-1 | 15.4 KVA  |     | LOAD X 45% NEC 220.84 (5 UNITS) |                                   |                        |          | 781 | .8A        | 325                 | 5.3A    |     |  |
| В    | 89.3   | KVA  | 48%  | R     | ES    | 136.0 KVA   |          | 61.2      | KVA |                                 | LOAD                              | X 45% NEC 220.84 (5 UN | NITS)    |     |            |                     |         |     |  |
|      | -      |      |      | N     | P     | 16.1 KVA    | 1.1      | 0.0 H     | (VA |                                 | 0 NON                             | COINCIDENTAL LOADS     | NEC 220. | 60  | 1          |                     |         |     |  |

| M    | OUNT:  | SURF | ACE  | 120   | 240   | 1-PHASE, 3W | M        | ETER      | CE   | NTER | 11                                 | CAPACITY              | : 400A  |            | V. 0      | DROP:  | 0.64%  | ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) |
|------|--------|------|------|-------|-------|-------------|----------|-----------|------|------|------------------------------------|-----------------------|---------|------------|-----------|--------|--------|---|
| LOCA | TION:  | PLAN | WEST | SIDE  | OF BU | ILDING II   | LL       | LUGS: MCB |      |      | в                                  | DEMAND LOAD           |         | AV. F      | AULT:     | 15,723 | 3 A    |   |
| CKT  | LTG    | REC  | HVAC | RES   | NP    | DESCRIPTION | AMP      | POLE      | φ    | AMP  | POLE                               | DESCRIPTION           | LTG     | REC        | HVAC      | RES    | NP     | CKT                                     |
| 1    | 0.0    | 0.0  | 5.8  | 14.7  | 1.7   | PANEL A     | 125      | 2         | A    | 125  | 2                                  | PANEL C               | 0.0     | 0.0        | 5.8       | 14.7   | 1.7    | 2                                       |
| 3    | 0.0    | 0.0  | 5.8  | 14.1  | 1.7   | PANELA      | 125      | 4         | в    | 125  | -                                  | FANEL C               | 0.0     | 0.0        | 5.8       | 14.1   | 1.7    | 4                                       |
| 5    | 0.0    | 0.0  | 5.8  | 14.7  | 1.7   | PANEL A     | 125      | 2         | Α    | 125  | 2                                  | PANEL C               | 0.0     | 0.0        | 5.8       | 14.7   | 1.7    | 6                                       |
| 7    | 0.0    | 0.0  | 5.8  | 14.1  | 1.7   | PANELA      | 125      | 4         | в    | 125  | -                                  | PANEL C               | 0.0     | 0.0        | 5.8       | 14.1   | 1.7    | 8                                       |
| 9    | 0.0    | 0.6  | 0.1  | 0.0   | 0.0   | PANEL H2    | 60       | 2         | A    | -    |                                    |                       | 1       |            |           |        | -      | 10                                      |
| 11   | 0.7    | 0.0  | 0.0  | 0.0   | 0.0   | FAMEL 112   | 00       | 4         | В    | h    |                                    |                       | 1.1.1.1 | 1.1        |           |        | 1      | 12                                      |
| DL   | ASE E  |      | 25   | LOAD  | TYPE  | CONNECTED   |          | DEMAND D  |      |      |                                    | ND FORMULA            | 1       | TOTAL LOAD |           |        | 2      |   |
| F    | IASE E | ALAN | CE   | LIGH  | TING  | 0.7 KVA     | 0.9 KVA  |           |      | 1    | LOAD X 125% NEC 210.19 CONTINUOUS  |                       |         | S          | CONNECTED |        | DEMAN  |   |
| ф    | LO     | AD   | %    | RECEP | TACLE | 0.6 KVA     | 0.6 KVA  |           |      | 0.11 | 10KVA + 50% REMAINDER NEC 220.44   |                       |         |            | 176.7 KVA |        | 74.1KV |   |
| Α    | 89.6   | KVA  | 51%  | HV    | AC    | 46.7 KVA    | 21.0 KVA |           | 1.51 | LOAD | X 45% NEC 220.84 (4 U              | INITS)                |         | 736.4A     |           | 309.0/ |        |   |
| в    | 87.1   | KVA  | 49%  | MI    | SC    | 114.9 KVA   |          | 51.7      | KVA  | 121  | LOAD                               | X 45% NEC 220.84 (4 U | INITS)  | -          |           |        | -      |   |
|      | -      |      |      | N     | P     | 13.9 KVA    |          | 0.0 1     | (VA  | 1.11 | 0 NONCOINCIDENTAL LOADS NEC 220.60 |                       |         |            | 1         |        |        |   |

| M   | OUNT:                          | SURF | ACE  | 120   | /240    | 1-PHASE, 3W | M          | ETER    | CE  | NTER | .01                                | CAPACITY            | : 400A  |                     | V. C  | DROP:  | 0.36% | 1   |
|-----|--------------------------------|------|------|-------|---------|-------------|------------|---------|-----|------|------------------------------------|---------------------|---------|---------------------|-------|--------|-------|-----|
| OCA | TION:                          | PLAN | WEST | SIDE  | OF BU   | ILDING III  | LUGS: MCB  |         |     | в    | DEMAND LOAD: 174A                  |                     |         | AV. FAULT: 11,415 A |       |        |       |     |
| CKT | LTG                            | REC  | HVAC | RES   | NP      | DESCRIPTION | AMP        | POLE    | ф   | AMP  | POLE                               | DESCRIPTION         | LTG     | REC                 | HVAC  | RES    | NP    | CKT |
| 1   | 0.0                            | 0.0  | 5.8  | 14.7  | 1.7     | PANEL C     | 125        | 2       | Α   | 125  | 2                                  | PANEL C             | 0.0     | 0.0                 | 5.8   | 14.7   | 1.7   | 2   |
| 3   | 0.0                            | 0.0  | 5.8  | 14.1  | 1.7     | FANELO      | 125        | -       | В   | 125  | -                                  | FANELO              | 0.0     | 0.0                 | 5.8   | 14.1   | 1.7   | 4   |
| 5   | 0.0                            | 0.6  | 0.1  | 0.0   | 0.0     | PANEL H3    | 60         | 2       | Α   |      |                                    |                     | 10.7.71 | 11.5                |       | 1      |       | 6   |
| 7   | 0.7                            | 0.0  | 0.0  | 0.0   | 0.0     | FANEL HS    | INEL HS 60 |         | В   |      |                                    |                     |         | 1                   |       |        |       | 8   |
|     |                                |      | CF.  | LOAD  | TYPE    | CONNECTED   |            | DEM     | AND | )    | DEMAN                              | ND FORMULA          | 1       |                     | 1     | TOTAL  | LOAD  | 5   |
| Pr  | PHASE BALANCE LIGHTING 0.7 KVA |      |      |       | 0.7 KVA | 0.9 KVA LOA |            |         |     |      | LOAD X 125% NEC 210.19 CONTINUOUS  |                     |         |                     | ECTED | DEMAND |       |     |
| ф   | LO                             | AD   | %    | RECEP | TACLE   | 0.6 KVA     | 12 1 24    | 0.6 KVA |     |      |                                    | + 50% REMAINDER NE  |         | 89.1 KVA            |       | 41.9   | KVA   |     |
| Α   | 45.1                           | KVA  | 51%  | HV    | AC      | 23.4 KVA    | 11.7 KVA 1 |         |     | 10.1 | LOAD X                             | 50% NEC 220.84 (2 U |         | 371.1A              |       | 174    | 4.4A  |     |
| В   | 43.9                           | KVA  | 49%  | R     | ES      | 57.4 KVA    |            | 28.7    | KVA | -    | LOAD X                             | 50% NEC 220.84 (2 U | NITS)   | -                   |       |        |       |     |
|     | -                              |      |      | N     | P       | 7.0 KVA     |            | 0.0 K   | (VA |      | 0 NONCOINCIDENTAL LOADS NEC 220.60 |                     |         |                     | 1     |        |       |     |

# A 9 C 11 C 13 A 15 A 13 A 17 B 19 B 21 23 23 PHASE BALANCE ¢ LOAD A 19.5 KVA 5: B 17.3 KVA 4 NOTES: MOUNT: FLUSH LOCATION: UNIT B D CKT LTG REC HV. CKT LTG R D 3 D 5 D 7 A 9 C 11 C 13 C 15 A 19 B 21 B 23 PHASE BALANCE ф LOAD A 19.5 KVA 5 B 18.4 KVA 45 -NOTES:

| M    | OUNT:  | FLUS   | н   | 120/  | 240  | 1-PHASE, 3W  | P  | ANEL   |   | (   | 0   | CAPACITY:  | 125A  |   | V. [  | DROP:  | VARIE  | S   | 4   |
|------|--|--|---|---|--|--|--|--|---|---|---|--|---|---|---|--|--|---|---|
| LOCA | TION:  | UNIT   | C HALI  | WAY   |  |  | LL   | JGS:   |   | ML  | 0   | DEMAND LOAD:   | 121A  |   | AV. F   | AULT:  | VARIE  | S   | NOTES   |
| CKT  | LTG  | REC  | HVAC  | RES   | NP   | DESCRIPTION  | AMP  | POLE   | φ   | AMP   | POLE  | DESCRIPTION  | LTG   | REC   | HVAC  | RES  | NP   | CKT   | 2   |
| 1    |  |  |   | 4.8   |  | PC RANGE   | 50   | 2  | A   | 25  | 2   | HP.2   |   |   |   | -  | 1.7  | 2   | 1   |
| 3    | 10.000   |  |   | 4.8   |  | NG. NANGE  | 50   | 2  | в   | 20  | 2   | 10.2   |   | 11.1  |   | 1.1.2.1  | 1.7  | 4   | 12  |
| 5    |  | _  |   | 2.3   |  | WH-1   | 30   | 2  | A   | 50  | 2   | AHIL2  |   |   | 5.8   |  |  | 6   |   |
| 7    |  |  |   | 2.3   |  | WI-1   | 30   | -  | В   | 30  | -   | Ano-2  |   |   | 5.8   |  |  | 8   | 1.1   |
| 9    |  |  |   | 1.5   | 7-23   | RC. REFRIGERATOR   | 20   | 1  | A   | 20  | 2   | DEVER  |   |   | 1   | 2.1  |  | 10  |   |
| 11   |  |  |   | 1.5   |  | RC. KITCHEN COUNTER #1   | 20   | 1  | в   | 30  | -   | DRIER  | 1   |   |   | 2.1  |  | 12  |   |
| 13   | 1  |  | () — — — ()   | 0.5   |  | RC. KITCHEN COUNTER #2   | 20   | 1  | A   | 20  | 1   | RC. WASHER   |   |   | 1   | 1.5  |  | 14  |   |
| 15   | 1  |  | h   | 0.4   |  | RC. KITCHEN COUNTER #3   | 20   | 1  | в   | 20  | 1   | LTS. & SMOKE   |   |   | 1.1.1   | 0.6  | h  | 16  |   |
| 17   |  |  | -   | 0.4   |  | RC. STORAGE / HALL   | 20   | 1  | A   | 20  | 1   | RC. BEDROOM 1  |   |   |   | 0.7  |  | 18  |   |
| 19   |  | -  | 1   | 0.9   |  | RC. LIVING ROOM  | 20   | 1  | в   | 20  | 1   | RC. BEDROOM 2  |   |   | 1   | 0.7  |  | 20  |   |
| 21   | 1  |  | · · · · · ·   | 0.2   |  | RC. BATH   | 20   | 1  | A   | 20  | 1   | RC. BEDROOM 3  | 1   | 1.1   | 1.1.1.1.1.1.1   | 0.7  | A  | 22  |   |
| 23   |  |  |   | 0.4   |  | RC, PORCH  | 20   | 1  | B   | 20  | 1   | KITCHEN HOOD   |   |   |   | 0.4  |  | 24  |   |
|      |  |  | 05  | LOAD  | TYPE   | CONNECTED  |  | DEMA   | AND   | 6 <u>.                                    </u>  | DEMA  | AND FORMULA  | -   |   | 0.000   | TOTAL  | LOAD   | )   | Γ   |
| PF   | HASEE  | SALAN  | CE  | LIGH  | TING   | 0.0 KVA  | 1  | 0.0 K  | (VA   |   | INCLU   | JDED IN MISC SECTION   | _   |   | CONN  | ECTED  | DEM  | AND   | 1   |
| ф    | LO   | AD   | %   | RECEP   | TACLE  | 0.0 KVA  |  | 0.0 K  | (VA   | 1   | INCLU   | JDED IN MISC SECTION   |   |   | 43.8  | KVA  | 29.1   | KVA   |   |
| Α    | 22.2   | KVA  | 51%   | HV  | AC   | 11.6 KVA   | 1.0.00   | 11.6   | KVA   | 90 TH   | LOAD  | X 100% NEC 220.82 (C)  |   |   | 182   | .7A  | 121  | .4A   | 1   |
| В    | 21.6   | KVA  | 49%   | RE  | S  | 28.7 KVA   |  | 17.5   | KVA   | 100   | 10KV  | A + 40% REMAINDER NEC 220.8  | 2 (B)   |   |   | RLEN   | AME:   |   | 1   |
| 1    |  |  | 1.2   | N   | P  | 3.5 KVA  |  | 0.0 H  | (VA   | 100   | 0 NON   | COINCIDENTAL LOADS NEC 22  | 0.60  |   | 1   |  |  |   |   |
|      | LOCA<br>CKT<br>1<br>3<br>5<br>7<br>9<br>11<br>13<br>15<br>17<br>19<br>21<br>23<br>Pł<br>¢<br>A | LOCATION:<br>CKT LTG<br>1<br>3<br>5<br>7<br>9<br>11<br>13<br>15<br>17<br>19<br>21<br>23<br>PHASE E<br>$ \phi LO A 22.2 $ | LOCATION: UNIT<br>CKT LTG REC<br>1<br>3<br>5<br>7<br>9<br>11<br>13<br>15<br>17<br>19<br>21<br>23<br>PHASE BALAN<br>Ø LOAD<br>A 22.2 KVA | CKT         LTG         REC         HVAC           1         3         5         5           7         5         7         7           9         9         9         11           13         15         17         19           17         19         12         12           23         PHASE BALANCE         %         A         22.2 KVA         51% | LOCATION:         UNIT C HALLWAY           CKT         LTG         REC         HVAC         RES           1         4.8         4.8         4.8         4.8           3         4.8         2.3         7         2.3           7         2.3         9         1.5         11           11         1.5         1.5         1.5         1.5           11         1.5         0.4         1.5         1.4           15         0.4         0.2         2.3         0.4           17         0.4         19         0.9         2.1         0.2           23         0.4         0.2         2.3         0.4           PHASE BALANCE         LOAD         LOAD         LIGH           Ø         LOAD         %         RECEP           A         22.2 KVA         51%         HV           B         21.6 KVA         49%         RE | LOCATION:         UNIT C HALLWAY           CKT         LTG         REC         HVAC         RES         NP           1         4.8         4.8         5         2.3         7         2.3         7         2.3         9         1.5         11         1.5         11         1.5         11         1.5         11         1.5         11         1.5         13         0.5         15         0.4         17         0.4         19         0.9         21         0.2         23         0.4         17         0.4         19         0.2         23         0.4         17         0.4         19         0.2         23         0.4         17         0.4         17         0.4         17         0.4         17         0.4         17         0.4         19         0.2         23         0.4         10 | LOCATION:         UNIT C HALLWAY           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION           1         4.8         RC. RANGE         RC. RANGE         RC. RANGE         RC. RANGE           3         4.8         RC. RANGE         RC. RANGE         RC. RANGE           5         2.3         WH-1         RC. REPRIGERATOR           9         1.5         RC. REPRIGERATOR           11         1.5         RC. KITCHEN COUNTER #1           13         0.5         RC. KITCHEN COUNTER #2           15         0.4         RC. STORAGE / HALL           19         0.4         RC. STORAGE / HALL           19         0.9         RC. LIVING ROOM           21         0.2         RC. BATH           23         0.4         RC. PORCH           PHASE BALANCE           LOAD         %           RECEPTACLE         0.0 KVA $\phi$ LOAD         %           A         22.2 KVA         51%         HVAC         11.6 KVA           B         21.6 KVA         49%         RES         28.7 KVA | LOCATION:         UNIT C HALLWAY         LU           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP           1         4.8         RC. RANGE         50         5         2.3         WH-1         30           9         2.3         WH-1         30         30         30         30         30         30         30           9         1.5         RC. REFRIGERATOR         20         30 | LOCATION:         UNIT C HALLWAY         LUGS:           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE           1         4.8         RC. RANGE         50         2           5         2.3         WH-1         30         2           9         1.5         RC. REFRIGERATOR         20         1           11         1.5         RC. KITCHEN COUNTER #1         20         1           13         0.5         RC. KITCHEN COUNTER #1         20         1           15         0.4         RC. KITCHEN COUNTER #1         20         1           15         0.4         RC. KITCHEN COUNTER #1         20         1           15         0.4         RC. KITCHEN COUNTER #3         20         1           17         0.4         RC. STORAGE / HALL         20         1           19         0.9         RC. LIVING ROOM         20         1           23         0.4         RC. PORCH         20         1           24         0.2         RC. BATH         20         1           23         0.4         RC. PORCH         20         1 | LOCATION:         UNIT C HALLWAY         LUGS:           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         Φ           1         4.8         RC. RANGE         50         2         A           3         4.8         RC. RANGE         50         2         A           5         2.3         WH-1         30         2         A           9         1.5         RC. REFRIGERATOR         20         1         A           11         1.5         RC. KITCHEN COUNTER#1         20         1         B           9         0.5         RC. KITCHEN COUNTER#1         20         1         B           13         0.5         RC. KITCHEN COUNTER#3         20         1         B           17         0.4         RC. STORAGE / HALL         20         1         A           19         0.9         RC. LIVING ROOM         20         1         B           21         0.2         RC. BATH         20         1         A           23         0.4         RC. PORCH         20         1         B           21         0.2         RC. | LOCATION:         UNIT C HALLWAY         LUGS:         MLU           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         \$\phi\$         AMP           1         4.8         RC. RANGE         50         2         \$\begin{pmatrix} A & B & B & B & B & B & B & B & B & B & | LOCATION:         UNIT C HALLWAY         LUGS:         MLO           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE $\phi$ A $\phi$ $z$ <td>LOCATION:         UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD:           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         AMP         POLE         DESCRIPTION         AMP         POLE         DESCRIPTION         AMP         POLE         DESCRIPTION         AMP         POLE         DESCRIPTION         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCR</td> <td>LOCATION:         UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD:         121A           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         <math>\phi</math>         AMP         <math>\phi</math> <math>A</math> <math>A</math> <math>\phi</math> <math>A</math> <math>A</math> <math>\phi</math> <math>A</math> <math>A</math></td> <td>LOCATION:         UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD:         121A           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         Φ         AMP         POLE         DESCRIPTION         LTG         REC           1         4.8         RC. RANGE         50         2         A         B         25         2         HP-2         Image: Comparison of the comparis</td> <td>LOCATION:         UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD:         121A         AV. F           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         AMP         POLE         DESCRIPTION         LTG         REC         HVAC           1         4.8         RC. RANGE         50         2         A         B         25         2         HP-2         1</td> <td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td> <td>LOCATION:         UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD:         121A         AV. FAULT:         VARIE           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         0         AMP         POLE         DESCRIPTION         LTG         REC         HVAC         RES         NP           1         4.8         RC. RANGE         50         2         A         25         2         HP-2         1.7         1.7           3         2.3         WH-1         30         2         A         25         2         AHU-2         5.8         1.7           9         1.5         RC. REFRIGERATOR         20         1         A         30         2         AHU-2         5.8         1.7           11         1.5         RC. KITCHEN COUNTER#1         20         1         A         30         2         DRYER         2.1         1.15           13         0.5         RC. KITCHEN COUNTER#1         20         1         RC. WASHER         1.5         1.5           17         0.4         RC. STORAGE / HALL         20         1         RC. BEDROOM 1         0.7         0.</td> <td>LOCATION: UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD: 121A         AV. FAULT: VARIES           CKT         LTG         RC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         Φ         AMP         POLE         DESCRIPTION         LTG         RC         HVAC         RES         NP         CKT           1         4.8         RC. RANGE         50         2         A         25         2         HP-2         1.7         2           3         4.8         RC. RANGE         50         2         A         25         2         HP-2         5.8         6           7         2.3         WH-1         30         2         A         50         2         AHU-2         5.8         6           9         1.5         RC. REFRIGERATOR         20         1         A         30         2         DRYER         2.1         10           11         0.5         RC. KITCHEN COUNTER #1         20         1         B         20         1         RC. WASHER         2.1         12           13         0.5         RC. KITCHEN COUNTER #1         20         1         A         20         1</td> | LOCATION:         UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD:           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         AMP         POLE         DESCRIPTION         AMP         POLE         DESCRIPTION         AMP         POLE         DESCRIPTION         AMP         POLE         DESCRIPTION         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCRIPTION         AMP         DESCR | LOCATION:         UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD:         121A           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE $\phi$ AMP $\phi$ $A$ $A$ $\phi$ $A$ $A$ $\phi$ $A$ | LOCATION:         UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD:         121A           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         Φ         AMP         POLE         DESCRIPTION         LTG         REC           1         4.8         RC. RANGE         50         2         A         B         25         2         HP-2         Image: Comparison of the comparis | LOCATION:         UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD:         121A         AV. F           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         AMP         POLE         DESCRIPTION         LTG         REC         HVAC           1         4.8         RC. RANGE         50         2         A         B         25         2         HP-2         1 | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | LOCATION:         UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD:         121A         AV. FAULT:         VARIE           CKT         LTG         REC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         0         AMP         POLE         DESCRIPTION         LTG         REC         HVAC         RES         NP           1         4.8         RC. RANGE         50         2         A         25         2         HP-2         1.7         1.7           3         2.3         WH-1         30         2         A         25         2         AHU-2         5.8         1.7           9         1.5         RC. REFRIGERATOR         20         1         A         30         2         AHU-2         5.8         1.7           11         1.5         RC. KITCHEN COUNTER#1         20         1         A         30         2         DRYER         2.1         1.15           13         0.5         RC. KITCHEN COUNTER#1         20         1         RC. WASHER         1.5         1.5           17         0.4         RC. STORAGE / HALL         20         1         RC. BEDROOM 1         0.7         0. | LOCATION: UNIT C HALLWAY         LUGS:         MLO         DEMAND LOAD: 121A         AV. FAULT: VARIES           CKT         LTG         RC         HVAC         RES         NP         DESCRIPTION         AMP         POLE         Φ         AMP         POLE         DESCRIPTION         LTG         RC         HVAC         RES         NP         CKT           1         4.8         RC. RANGE         50         2         A         25         2         HP-2         1.7         2           3         4.8         RC. RANGE         50         2         A         25         2         HP-2         5.8         6           7         2.3         WH-1         30         2         A         50         2         AHU-2         5.8         6           9         1.5         RC. REFRIGERATOR         20         1         A         30         2         DRYER         2.1         10           11         0.5         RC. KITCHEN COUNTER #1         20         1         B         20         1         RC. WASHER         2.1         12           13         0.5         RC. KITCHEN COUNTER #1         20         1         A         20         1 |

| 2  | M    | OUNT: | FLUS  | H       | 120    | /240  | 1-PHASE, 3W            | P   | ANEL  | 1   |     | 4     | CAPACITY                   | : 125A    |        | V. 1   | DROP:    | VARIE | S   | 8     |
|----|------|-------|-------|---------|--------|-------|------------------------|-----|-------|-----|-----|-------|----------------------------|-----------|--------|--------|----------|-------|-----|-------|
|    | LOCA | TION: | UNIT  | A LIVII | NG RO  | OM    |                        | L   | JGS:  | 6   | ML  | 0     | DEMAND LOAD                | ): 98A    | -77.1  | AV. F  | AULT:    | VARIE | S   | NOTES |
| f. | CKT  | LTG   | REC   | HVAC    | RES    | NP    | DESCRIPTION            | AMP | POLE  | ф   | AMP | POLE  | DESCRIPTION                | LTG       | REC    | HVAC   | RES      | NP    | CKT | z     |
| đ  | 1    |       |       | 1       | 4.8    |       | RC. RANGE              | 50  | 2     | A   | 20  | 2     | HP-1                       | 11.2.2.11 |        |        |          | 1.6   | 2   | D     |
| 1  | 3    |       |       |         | 4.8    |       | NC. NAINGE             | 50  | -     | в   | 20  | -     | HF-1                       | 1         |        |        |          | 1.6   | 4   | 0     |
| 1  | 5    |       |       |         | 2.3    |       | WH-1                   | 30  | 2     | A   | 30  | 2     | AHU-1                      |           | 11.11  | 3.4    |          |       | 6   | D     |
|    | 7    | 7 — P |       |         | 2.3    |       | WH-1                   | 50  | -     | в   | 30  | -     | AHO-1                      | 1.1       | 10.0   | 3.4    | (e.g ) - |       | 8   | 0     |
| 1  | 9    |       | 1     |         | 1.5    |       | RC. REFRIGERATOR       | 20  | 1     | A   | 30  | 2     | DRYER                      |           | 1      |        | 2.1      |       | 10  | 11.4  |
| 5  | 11   |       |       | 1       | 1.5    | 1     | RC. KITCHEN COUNTER #1 | 20  | 1     | в   | 30  | -     | DRIER                      |           | 1      | 1      | 2.1      |       | 12  | 1.1   |
| 5  | 13   |       |       |         | 0.5    | 1     | RC. KITCHEN COUNTER #2 | 20  | 1     | A   | 20  | 1     | RC. WASHER                 | 1         | 11111  | 11.000 | 1.5      |       | 14  | C     |
|    | 15   |       |       |         | 0.5    |       | RC. ENTRY / STORAGE    | 20  | 1     | В   | 20  | 1     | LTS. & SMOKE               |           | 1 + 1  | 1      | 0.5      |       | 16  | A     |
| Č. | 17   |       |       |         | 0.7    |       | RC. LIVING ROOM        | 20  | 1     | A   | 20  | 1     | RC. BEDROOM 1              | 1.000     | 12 2 1 | 12221  | 0.7      |       | 18  | A     |
| 5  | 19   |       |       |         | 0.2    |       | RC. BATH               | 20  | 1     | В   | 20  | 1     | KITCHEN HOOD               |           | 1.0.0  |        | 0.4      |       | 20  | A     |
| 5  | 21   | 1     |       |         | 0.4    |       | RC. PORCH              | 20  | 1     | A   | 20  | 1     | SPARE                      |           | 1.111  | 117    | 12       |       | 22  | 1     |
|    | 23   |       |       | 1       | 741-13 |       | SPARE                  | 20  | 1     | В   |     | 1.5.0 | SPACE                      |           | 1      | 1      |          | 1000  | 24  | 174   |
| 1  | -    |       |       | 05      | LOAD   | TYPE  | CONNECTED              |     | DEM   | AND | )   | DEM/  | AND FORMULA                |           | 1      | 1      | TOTAL    | LOAD  |     |       |
|    | PF   | ASE E | SALAN | CE      | LIGH   | TING  | 0.0 KVA                | -   | 0.0 1 | (VA | 1   | INCLU | IDED IN MISC SECTION       |           |        | CONN   | ECTED    | DEM   | AND |       |
|    | φ    | LO    | AD    | %       | RECEP  | TACLE | 0.0 KVA                |     | 0.0 1 | (VA |     | INCLU | IDED IN MISC SECTION       |           | _      | 36.8   | KVA      | 23.5  | KVA |       |
|    | Α    | 19.5  | KVA   | 53%     | HV     | AC    | 6.8 KVA                | -   | 6.8 H | (VA |     | LOAD  | X 100% NEC 220.82 (C)      |           |        | 153    | .3A      | 98    | .0A |       |
|    | в    | 17.3  | KVA   | 47%     | R      | ES    | 26.8 KVA               | 1   | 16.7  | KVA |     | 10KV  | A + 40% REMAINDER NEC 220. | 82 (B)    |        | 1.1    | FILEN    | AME:  | 1   |       |
|    | 1000 |       | 1     | 1       | N      | P     | 3.2 KVA                |     | 0.0   | (VA |     | 0 NON | COINCIDENTAL LOADS NEC 2   | 20.60     |        | 1      |          |       |     |       |

A. ARC-FAULT PROTECTED CIRCUIT (OR ARC-FAULT PROTECTED RECEPTACLE) B. GFI PROTECTED CIRCUIT (OR GFI PROTECTED RECEPTACLE)

C. ARC-FAULT & GFI CIRCUIT (OR GFI/ARC-FAULT PROTECTED RECEPTACLE) D. SIZE BREAKER PER EQUIPMENT MANUFACTURER'S REQUIREMENTS

| 1    | 120/  | /240  | 1-PHASE, 3W            | P     | ANEL   |     | 1   | В    | CAPACITY:                   | 125A  |     | V. 1    | DROP: | VARIE | S   | so l |
|------|-------|-------|------------------------|-------|--------|-----|-----|------|-----------------------------|-------|-----|---------|-------|-------|-----|------|
| DINI | NG    |       |                        | LI    | JGS:   |     | ML  | 0    | DEMAND LOAD:                | 100A  |     | AV. F   | AULT: | VARIE | S   | NOTE |
| HVAC | RES   | NP    | DESCRIPTION            | AMP   | POLE   | ф   | AMP | POL  | DESCRIPTION                 | LTG   | REC | HVAC    | RES   | NP    | CKT | Z    |
|      | 4.8   |       | RC. RANGE              | 50    |        | A   | 20  | 2    | HD 4                        |       |     | 1. 2.21 |       | 1.6   | 2   | D    |
|      | 4.8   | 1     | RC. RANGE              | 50    | 2      | В   | 20  | 1 4  | HP-1                        |       |     | 10.01   |       | 1.6   | 4   | 10   |
|      | 2.3   |       | WH-1                   | 30    | 2      | A   | 30  | 2    | AUL 4                       |       |     | 3.4     |       |       | 6   | D    |
|      | 2.3   | 1.1   | WH-1                   | 30    | 2      | в   | 30  | 2    | AHU-1                       |       |     | 3.4     | 1     |       | 8   | D    |
|      | 1.5   | -     | RC. REFRIGERATOR       | 20    | 1      | A   | 30  |      | DOWED                       |       |     | 1.1     | 2.1   |       | 10  |      |
| 1    | 1.5   |       | RC. KITCHEN COUNTER #1 | 20    | 1      | в   | 30  | 2    | DRYER                       | a     |     | 11      | 2.1   | 1     | 12  | 1    |
|      | 0.5   | 1     | RC. KITCHEN COUNTER #2 | 20    | 1      | A   | 20  | 1    | RC. WASHER                  |       |     |         | 1.5   |       | 14  | C    |
|      | 0.4   |       | RC. KITCHEN COUNTER #3 | 20    | 1      | в   | 20  | 1    | LTS. & SMOKE                |       |     | 1       | 0.5   |       | 16  | A    |
|      | 0.5   |       | RC. STORAGE / HALL     | 20    | 1      | A   | 20  | 1    | RC. BEDROOM 1               |       |     |         | 0.7   |       | 18  | A    |
|      | 0.7   |       | RC. LIVING ROOM        | 20    | 1      | В   | 20  | 1    | RC. BEDROOM 2               |       | -   |         | 0.7   |       | 20  | A    |
|      | 0.2   |       | RC. BATH               | 20    | 1      | A   | 20  | 1    | KITCHEN HOOD                |       |     | 1       | 0.4   |       | 22  | A    |
|      | 0.4   |       | RC. PORCH              | 20    | 1      | в   |     | 1.00 | SPACE                       | 1     |     | 1       |       |       | 24  | -    |
|      | LOAD  | TYPE  | CONNECTED              | 1.00  | DEMA   | ND  | )   | DEN  | AND FORMULA                 |       |     |         | TOTAL | LOAD  | )   |      |
| E    | LIGH  | TING  | 0.0 KVA                | 1.0   | 0.0 K  | VA  |     | INCL | UDED IN MISC SECTION        |       |     | CONN    | ECTED | DEM   | AND |      |
| %    | RECEP | TACLE | 0.0 KVA                |       | 0.0 K  | VA  | 2   | INCL | UDED IN MISC SECTION        |       |     | 37.9    | KVA   | 24.0  | KVA | 1    |
| 51%  | HV    | AC    | 6.8 KVA                | 1.7.7 | 6.8 K  | VA  | -   | LOA  | X 100% NEC 220.82 (C)       |       | Ť.  | 158     | .0A   | 99    | .9A | 1    |
| 49%  | RE    | ES    | 27.9 KVA               | 1.1   | 17.2 1 | (VA |     | 10K  | A + 40% REMAINDER NEC 220.8 | 2 (B) |     |         | FILEN | AME:  |     |      |
|      | N     | P     | 3.2 KVA                | 111   | 0.0 K  | VA  | 1   | 0 NC | NCOINCIDENTAL LOADS NEC 22  | 0.60  | 1   |         |       |       |     |      |

A. ARC-FAULT PROTECTED CIRCUIT (OR ARC-FAULT PROTECTED RECEPTACLE) B. GFI PROTECTED CIRCUIT (OR GFI PROTECTED RECEPTACLE) C. ARC-FAULT & GFI CIRCUIT (OR GFI/ARC-FAULT PROTECTED RECEPTACLE) D. SIZE BREAKER PER EQUIPMENT MANUFACTURER'S REQUIREMENTS

B. GFI PROTECTED CIRCUIT (OR GFI PROTECTED RECEPTACLE)

C. ARC-FAULT & GFI CIRCUIT (OR GFI/ARC-FAULT PROTECTED RECEPTACLE)

D. SIZE BREAKER PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.

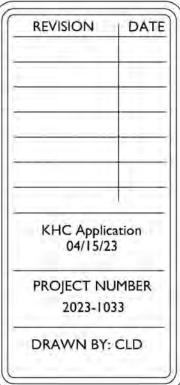
| 21.21 | M       | DUNT: | FLUS       | Η          | 120/     | 240        | 1-PHASE, 3W           | P   | ANEL | -          | 1     | D  | CAPACITY:                  | 600A |     | V. I       | DROP:  | 0.57%      |          |
|-------|---------|-------|------------|------------|----------|------------|-----------------------|-----|------|------------|-------|--|----------------------------|------|-----|------------|--------|------------|----------|
| 9     | LOCA    | TION: | COMM       | UNITY      | BUILD    | DING M     | AINTENANCE ROOM       | L   | JGS: | 10         | MC    | в  | DEMAND LOAD:               | 459A |     | AV. F      | AULT:  | 31,098     | Α        |
|       | CKT     | LTG   | REC        | HVAC       | MISC     | NP         | DESCRIPTION           | AMP | POLE | Ęφ         | AMP   | POLE                                     | DESCRIPTION                | LTG  | REC | HVAC       | MISC   | NP         | CKT      |
|       | 1       |       |            |            |          | 3.4<br>3.4 | HP-3                  | 50  | 2    | B          | 50    | 2  | HP-4                       |      |     |            |        | 3.4<br>3.4 | 2 4      |
|       | 5       |       |            | 6.7<br>6.7 |          |            | AHU-3 (#1)            | 60  | 2    | AB         | 60    | 2  | AHU-4 (#1)                 |      |     | 6.7<br>6.7 |        |            | 6<br>8   |
|       | 9<br>11 |       |            | 5.8<br>5.8 |          |            | AHU-3 (#2)            | 25  | 2    | AB         | 50    | 2  | AHU-4 (#2)                 |      |     | 2.9<br>2.9 |        |            | 10<br>12 |
|       | 13      |       | 0.2        | -          |          | 1          | MECH/ELEC LEFT RC     | 20  | 1    | A          | 20    | 1  | STORAGE                    | -    | 0.4 |            |        |            | 14       |
| 1     | 15      | 1     | 0.2        | 1          | 1 = 1    | 1 - 1      | EXTERIOR RC           | 20  | 1    | в          | 20    | 1  | RESTROOM RC                | D    | 0.4 |            | 1      |            | 16       |
|       | 17      |       | 0,4        | 1          | 1        |            | BUSINESS CENTER RC    | 20  | 1    | A          | 20    | 1  | BUSINESS CENTER RC         | 1    | 0.4 |            | 1      | 1          | 18       |
|       | 19      |       | 0.4        |            | 1.0      |            | BUSINESS CENTER RC    | 20  | 1    | B          | 20    | 1  | BUSINESS CENTER PRINTER    | -    | 0.4 |            |        |            | 20       |
|       | 21      |       |            | 1          | 0.5      | 1 1        | DRINKING FOUNTAIN     | 20  | 1    | A          | -     |  | 20100                      |      |     |            | 2.1    |            | 22       |
|       | 23      |       | 0.7        | 1.000      | 1        | 1.1        | CORRIDOR/VESTIBULE RC | 20  | 1    | В          | 30    | 2  | DRYER                      |      |     |            | 2.1    |            | 24       |
|       | 25      |       |            | 1          | 1.5      |            | RC. WASHER            | 20  | 1    | A          | 20    |  | 00%50                      |      |     |            | 2.1    |            | 26       |
|       | 27      | ·     |            | 1          | 1.5      | 1          | RC. WASHER            | 20  | 1    | В          | 30    | 2  | DRYER                      |      |     |            | 2.1    | ·          | 28       |
| -     | 29      |       |            | 1 1 1 1    | 1.5      |            | RC. WASHER            | 20  | 1    | A          |       |  | DDVCD                      | -    |     |            | 2.1    |            | 30       |
|       | 31      |       |            |            | 1.5      |            | RC. WASHER            | 20  | 1    | в          | 30    | 2  | DRYER                      | 1    | -   |            | 2.1    |            | 32       |
| 1     | 33      | -     |            |            | 8.0      | 1 2 3      | 14/11 0               | 00  |      | A          | 20    |  | 2272                       |      |     |            | 2.1    |            | 34       |
|       | 35      | 1.0   | 1.1        | 1          | 8.0      | 10 - 1     | WH-2                  | 90  | 2    | B          | 30    | 2  | DRYER                      |      | -   |            | 2.1    |            | 36       |
|       | 37      |       | 0.5        |            |          |            | LAUNDRY RC            | 20  | 1    | A          | 20    | 1  | COMMUNITY ROOM RC          |      | 0.5 |            |        |            | 38       |
|       | 39      |       | 0.7        |            | 1000     | 11 2 3     | OFFICE RC             | 20  | 1    | B          | 20    | 1  | COMMUNITY ROOM RC          | 1    | 0.7 |            |        | -          | 40       |
|       | 41      |       | 0.7        |            |          | 1          | OFFICE RC             | 20  | 1    | A          | 20    | 1  | ELECTRIC FIREPLACE         |      |     |            | 1.5    |            | 42       |
|       | 43      |       | 0.7        | 1          |          | 1          | OFFICE RC             | 20  | 1    | B          | 20    | 1  | MAINTENANCE ROOM RC        | -    | 0.5 |            |        |            | 44       |
|       | 45      |       | 0.7        |            | 1        | 1          | OFFICE RC             | 20  | 1    | A          | 20    | 1  | CAMERA SERVER RC           |      | 0.5 | -          |        |            | 46       |
|       | 47      |       |            | 1          | 0.5      | 1          | REFRIGERATOR RC       | 20  | 1    | В          | 20    | 1  | OFFICE RC                  |      | 0.7 |            |        |            | 48       |
| -     | 49      |       |            |            | 1.5      |            | DISHWASHER            | 20  | 1    | A          | 20    | 1  | GARBAGE DISPOSAL           |      |     |            | 0.5    |            | 50       |
| 1     | 51      |       | 0,4        |            | 11.75.11 | 1000       | KITCHEN COUNTER RC    | 20  | 1    | B          | 20    | 1  | ISLAND COUNTER RC          |      | 0.4 |            |        |            | 52       |
|       | 53      |       | 0.4        |            |          | 1          | KITCHEN COUNTER RC    | 20  | 1    | A          | 20    | 1  | BACK PORCH RC              |      | 0.2 |            |        |            | 54       |
|       | 55      |       |            | 1          | 4.8      | -          | RC. RANGE             | 40  | 2    | B          | 20    | 1  | INTERIOR LTS               | 1.0  | 1   |            |        |            | 56       |
|       | 57      |       |            | 1          | 4.8      | 1          | RC. RANGE             | 40  | -    | A          | 20    | 1  | INTERIOR LTS               | 1.0  |     | 1.1        |        |            | 58       |
|       | 59      | 0.3   | 11.75      | 1.000      | 11771    | 1          | EXTERIOR LTS          | 20  | 1    | В          | 20    | 1  | SPARE                      |      |     |            | 11.001 | 1          | 60       |
|       | 61      |       | 0.4        |            |          | 11.1       | EXTERIOR RC           | 20  | 1    | A          | 20    | 1  | SPARE                      | 1    |     |            |        |            | 62       |
|       | 63      |       | 11         | 1          | 1        | 1          | SPARE                 | 20  | 1    | B          | 20    | 1  | SPARE                      | 1    | 1   | 1          |        |            | 64       |
|       | 65      |       |            | 1          |          | 1.2.1      | SPACE                 |     |      | A          |       | 1. 11                                    | SPACE                      |      |     | 11         |        | 1          | 66       |
| ĺ     | 67      |       |            |            | 10.00    |            | SPACE                 |     | 1.1. | В          |       | 1  | SPACE                      |      |     |            |        |            | 68       |
| 1     | 69      |       |            |            | 11-1-1   | 1          | SPACE                 |     |      | A          |       | 11 11                                    | SPACE                      |      |     |            |        |            | 70       |
| 1     | 71      |       |            | 1.111      |          |            | SPACE                 |     |      | В          | 17.11 | H. M.                                    | SPACE                      |      |     |            |        |            | 72       |
|       |         |       |            |            | LOAD     | TYPE       | CONNECTED             | 123 | DEM  | AND        | )     | DEMA                                     | ND FORMULA                 |      |     |            | TOTAL  | LOAD       | 9        |
|       |         | ASE E | ALAN       | UE .       | LIGH     | TING       | 2.3 KVA               |     | 2.3  | <b>KVA</b> |       | LOAD                                     | X 100% NEC 220.42          |      |     | CONN       | ECTED  | DEM        | AND      |
|       | ф       | LO    | AD         | %          | RECEP    | TACLE      | 11.5 KVA              | 1   | 10.8 | KVA        |       | 10KVA                                    | + 50% REMAINDER NEC 220.44 |      |     | 124.6      | KVA    | 110.1      | KVA      |
|       | A       | 1.00  | KVA        | 51%        | HV       | 1          | 44.2 KVA              | -   | 44.2 |            |       | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | X 100% (USED IN MCA CALCUL |      | -   |            | .1A    | 458        |          |
|       |         |       | a chiefe a | 1.12.      |          |            |                       | -   |      |            | _     |  |                            |      | _   | 515        |        | 1.00       | .UA      |
|       | В       | 61.1  | KVA        | 49%        | MIS      |            | 52.9 KVA              |     | 52.9 | 1.001      |       |  | X 100% NEC210.19 NON-CONT. |      |     | 1          | FILEN  | AME:       | 10.0     |
|       | NOTE    |       |            |            | N        | P          | 13.7 KVA              |     | 0.0  | KVA        |       | 0 NON                                    | COINCIDENTAL LOADS NEC 220 | 0.60 |     | 1.1        |        |            | -        |

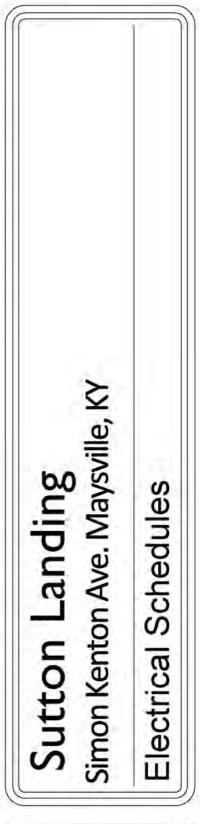
| ŝ     | M    | DUNT:        | SURF    | ACE   | 120/  | 240   | 1-PHASE, 3W       | P   | ANEL  | ÷   | H   | 11    | CAPACITY                    | : 60A  |     | V, I   | ROP:   | 0.00%  |     | 5     |
|-------|------|--------------|---------|-------|-------|-------|-------------------|-----|-------|-----|-----|-------|-----------------------------|--------|-----|--------|--------|--------|-----|-------|
| NOTES | LOCA | TION:        | PLAN    | WEST  | SIDE  | OF BU | ILDING 1          | L   | UGS:  |     | ML  | 0     | DEMAND LOAD                 | : 6A   |     | AV. F. | AULT:  | 16,431 | I A | NOTES |
| z     | CKT  | LTG          | REC     | HVAC  | MISC  | NP    | DESCRIPTION       | AMP | POLE  | ф   | AMP | POLE  | DESCRIPTION                 | LTG    | REC | HVAC   | MISC   | NP     | CKT | Z     |
| A     | 1    | - Protection | 0.4     |       | 1     | 1.111 | RC. OUTDOOR       | 20  | 1     | A   | 20  | 1     | RC. ATTIC                   | 1.     | 0.2 |        |        | 1      | 2   | A     |
|       | 3    | 0.2          |         | 1     |       | 1.11  | LTS. ATTIC        | 20  | 1     | в   | 20  | 1     | LTS. PARKING LOT            | 0.5    |     | 1      | 11.001 | 1      | 4   |       |
|       | 5    | 1.1          | · · · · | 0.1   |       |       | FUTURE RADON VENT | 20  | 1     | A   | 20  | 1     | SPARE                       |        |     |        | 1      |        | 6   |       |
|       | 7    |              |         | - 1.1 |       | 121   | SPARE             | 20  | _1    | В   | 20  | 1     | SPARE                       |        |     |        |        |        | 8   |       |
|       | 9    |              |         | 1     |       |       | SPACE             |     |       | A   |     | _     | SPACE                       | 1000   |     |        | 1      |        | 10  |       |
|       | 11   |              |         |       |       | 17.1  | SPACE             | 1.1 | -     | В   |     |       | SPACE                       | -      |     | 0      |        | 1      | 12  |       |
|       |      |              |         | 05    | LOAD  | TYPE  | CONNECTED         |     | DEM   | AND | )   | DEMA  | AND FORMULA                 |        |     |        | TOTAL  | LOAD   | )   |       |
|       | Pr   | ASEE         | BALAN   | UE .  | LIGH  | TING  | 0.7 KVA           | 11  | 0.9   | (VA | 121 | LOAD  | X 125% NEC 210.19 CONTINUE  | ous    |     | CONN   | ECTED  | DEN    | AND |       |
|       | ф    | LO           | DAD     | %     | RECEP | TACLE | 0.6 KVA           |     | 0.6 1 | (VA |     | 10KV  | A + 50% REMAINDER NEC 220.4 | 44     |     | 1.41   | (VA    | 1.5    | KVA |       |
|       | Α    | 0.7          | KVA     | 49%   | HV    | AC    | 0.1 KVA           |     | 0.1 1 | (VA |     | LOAD  | X 80% (USED MCA IN CALCUL   | ATION) | -   | 5.8    | BA     | 6.     | 4A  |       |
|       | В    | 0.7          | KVA     | 51%   | MIS   | SC    | 0.0 KVA           |     | 0.0   | (VA |     | LOAD  | X 100% NEC 210.19 NON-COM   | NT.    |     |        | FILEN  | AME:   |     | Γ.    |
|       |      | -            | -       |       | N     | P     | 0.0 KVA           | 1   | 0.0   | (VA | 1   | 0 NON | ICOINCIDENTAL LOADS NEC 2   | 20.60  |     | 1      |        |        |     |       |

| L | M    | DUNT: | SURF  | ACE  | 120/  | 240   | 1-PHASE, 3W       | P   | ANEL | -          | H     | 12    | CAPACITY                   | : 60A  |     | V. I  | DROP: | 0.00%  | i   | 4     |
|---|------|-------|-------|------|-------|-------|-------------------|-----|------|------------|-------|-------|----------------------------|--------|-----|-------|-------|--------|-----|-------|
| Ī | LOCA | TION: | PLAN  | WEST | SIDE  | F BU  | ILDING 2          | L   | JGS: | 2.8.2      | ML    | 0     | DEMAND LOAD                | : 6A   |     | AV. F | AULT: | 14,192 | 2 A | NOTES |
| ſ | CKT  | LTG   | REC   | HVAC | MISC  | NP    | DESCRIPTION       | AMP | POL  | ф          | AMP   | POLE  | DESCRIPTION                | LTG    | REC | HVAC  | MISC  | NP     | CKT | 12    |
| t | 1    |       | 0.4   | 1    | T     | _     | RC. OUTDOOR       | 20  | 1    | A          | 20    | 1     | RC. ATTIC                  |        | 0.2 |       |       | 1.     | 2   |       |
|   | 3    | 0.2   |       | 1773 | 1     | 1 11  | LTS. ATTIC        | 20  | 1    | В          | 20    | 1     | LTS. PARKING LOT           | 0.5    |     |       |       | 1      | 4   | 1.    |
| Ĩ | 5    |       |       | 0.1  |       |       | FUTURE RADON VENT | 20  | 1    | A          | 20    | 1     | SPARE                      | 11 -   |     | 12    |       |        | 6   | 11    |
| Ī | 7    |       |       | 1.0  |       |       | SPARE             | 20  | 1    | В          | 20    | 1     | SPARE                      |        |     |       |       |        | 8   |       |
|   | 9    |       |       | 1    | -     | 1     | SPACE             | -   | 1    | A          |       |       | SPACE                      |        |     |       |       |        | 10  |       |
|   | 11   | _     |       | 1    |       |       | SPACE             |     |      | В          |       |       | SPACE                      |        |     |       |       |        | 12  | ji T  |
| ſ | DI   |       |       | 05   | LOAD  | TYPE  | CONNECTED         |     | DEM. | AND        | )     | DEMA  | AND FORMULA                | 1.00   |     | 1.1.1 | TOTAL | LOAD   | )   |       |
| l | PF   | ASEE  | BALAN | CE   | LIGH  | TING  | 0.7 KVA           |     | 0.9  | (VA        |       | LOAD  | X 125% NEC 210.19 CONTINU  | OUS    |     | CONN  | ECTED | DEN    | AND | 1     |
| ľ | ф    | LO    | AD    | %    | RECEP | TACLE | 0.6 KVA           |     | 0.6  | <b>KVA</b> |       | 10KV  | A + 50% REMAINDER NEC 220. | 44     |     | 1.4   | KVA   | 1.5    | KVA | 1     |
| ľ | Α    | 0.7   | KVA   | 49%  | HV    | AC    | 0.1 KVA           | -   | 0.1  | <b>KVA</b> |       | LOAD  | X 80% (USED MCA IN CALCUI  | ATION) |     | 5.    | BA    | 6.     | 4A  |       |
| t | в    | 0.7   | KVA   | 51%  | MIS   | SC    | 0.0 KVA           | 1   | 0.01 | ٨VA        | 1.2.5 | LOAD  | X 100% NEC 210.19 NON-COM  | NT.    |     | 1.1.1 | FILEN | AME:   |     | 1     |
| t | - 14 | 1     |       | 10.5 | N     | P     | 0.0 KVA           | 1   | 0.0  | (VA        | -     | 0 NON | ICOINCIDENTAL LOADS NEC 2  | 20.60  |     | 1     |       |        |     |       |

|       | M    | DUNT: | SURF    | ACE     | 120/  | 240   | 1-PHASE, 3W       | P   | ANEL  | 2.  | H     | 13     | CAPACITY                 | : 60A  |     | V. (  | DROP: | 0.00%  |     |
|-------|------|-------|---------|---------|-------|-------|-------------------|-----|-------|-----|-------|--------|--------------------------|--------|-----|-------|-------|--------|-----|
|       | LOCA | TION: | PLAN    | WEST    | SIDE  | OF BU | LDING 3           | L   | JGS:  |     | ML    | 0      | DEMAND LOAD              | : 6A   |     | AV. F | AULT: | 10,586 | 6 A |
| 1.1.1 | CKT  | LTG   | REC     | HVAC    | MISC  | NP    | DESCRIPTION       | AMP | POL   | φ   | AMP   | POLE   | DESCRIPTION              | LTG    | REC | HVAC  | MISC  | NP     | CKT |
|       | 1    | _     | 0.4     |         | 1.1.1 | 1     | RC. OUTDOOR       | 20  | 1     | A   | 20    | 1      | RC. ATTIC                |        | 0.2 | 1 - 1 | 1     | 1.1    | 2   |
|       | 3    | 0.2   | 1.1     | 100.000 |       |       | LTS. ATTIC        | 20  | 1     | В   | 20    | 1      | LTS. PARKING LOT         | 0.5    |     | 0     | 1.    |        | 4   |
| Ĩ,    | 5    |       | 1       | 0.1     | 1     | 1.1.1 | FUTURE RADON VENT | 20  | 1     | A   | 20    | 1      | SPARE                    |        |     | i i   | 12-11 |        | 6   |
|       | 7    |       |         |         |       |       | SPARE             | 20  | 1     | В   | 20    | 1      | SPARE                    | _      |     |       | 11 11 |        | 8   |
|       | 9    |       |         |         |       |       | SPACE             | 1   |       | A   |       |        | SPACE                    |        |     |       |       |        | 10  |
| 1     | 11   |       | 1 m     | 1.1     |       | -     | SPACE             | 111 |       | В   |       |        | SPACE                    |        |     | 2     |       |        | 12  |
| 1     |      |       |         | 05      | LOAD  | TYPE  | CONNECTED         |     | DEM   | AND | 1     | DEMAN  | ND FORMULA               |        |     | 1.00  | TOTAL | LOAD   | )   |
|       | Pr   | ASE   | BALAN   | CE      | LIGH  | TING  | 0.7 KVA           | 111 | 0.9 H | (VA | Del 1 | LOADX  | 125% NEC 210.19 CONTINU  | ous    |     | CONN  | ECTED | DEM    | AND |
|       | ф    | LC    | DAD     | %       | RECEP | TACLE | 0.6 KVA           | 1   | 0.6   | (VA |       | 10KVA  | + 50% REMAINDER NEC 220. | 44     |     | 1.41  | KVA   | 1.5    | KVA |
|       | A    | 0.7   | KVA     | 49%     | HV    | AC    | 0.1 KVA           | 1   | 0.1 1 | (VA |       | LOAD X | 80% (USED MCA IN CALCUL  | ATION) | -   | 5.8   | BA    | 6.     | 4A  |
|       | В    | 0.7   | KVA     | 51%     | MIS   | SC    | 0.0 KVA           | 1   | 0.0   | (VA |       | LOADX  | 100% NEC 210.19 NON-COM  | NT.    |     | . 1   | FILEN | AME:   |     |
|       | F    |       |         | - 11    | N     | P     | 0.0 KVA           |     | 0.0   | (VA | 61    | 0 NONC | COINCIDENTAL LOADS NEC 2 | 20.60  |     |       |       |        |     |
| Ň     | NOTE |       | and the |         |       | 4.5.5 |                   |     |       |     |       |        |                          |        |     |       |       |        | -   |







# SHEET NUMBER E-0.2

| DANCI             | FEE  | DER   | OHMS/K-FT      | LENGTH | z          | 1040  | VDDOD  | v     | %V-   | AIC      |
|-------------------|------|-------|----------------|--------|------------|-------|--------|-------|-------|----------|
| PANEL             | AWG  | SETS  | NEC T9         | LENGTH |            | LOAD  | V-DROP | v     | DROP  | RATING   |
| METER CENTER I    | #500 | 1     | 0.050 OHM/K-FT | 50 FT  | 0.0025 OHM | 325 A | 1.63 V | 240 V | 0.68% | 18,518 A |
| METER CENTER I.A  | #500 | 1     | 0.050 OHM/K-FT | 50 FT  | 0.0025 OHM | 325 A | 1.63 V | 240 V | 0.68% | 18,518 A |
| METER CENTER II   | #500 | 1     | 0.050 OHM/K-FT | 50 FT  | 0.0025 OHM | 309 A | 1.54 V | 240 V | 0.64% | 15,723 A |
| METER CENTER III  | #500 | 1     | 0.050 OHM/K-FT | 50 FT  | 0.0025 OHM | 174 A | 0.87 V | 240 V | 0.36% | 11,415 A |
| PANEL H1          | #6   | 1     | 0.450 OHM/K-FT | 2 FT   | 0.0009 OHM | 6 A   | 0.01 V | 240 V | 0.00% | 16,431 A |
| PANEL H2          | #6   | 1     | 0.450 OHM/K-FT | 2 FT   | 0.0009 OHM | 6 A   | 0.01 V | 240 V | 0.00% | 14,192 A |
| PANEL H3          | #6   | 1     | 0.450 OHM/K-FT | 2 FT   | 0.0009 OHM | 6 A   | 0.01 V | 240 V | 0.00% | 10,586 A |
| PANEL A (APT #1)  | #1   | 1     | 0.160 OHM/K-FT | 40 FT  | 0.0064 OHM | 100 A | 1.28 V | 240 V | 0.53% | 10,154 A |
| PANEL B (APT #2)  | #1   | 1     | 0.160 OHM/K-FT | 55 FT  | 0.0088 OHM | 100 A | 1.76 V | 240 V | 0.73% | 8,683 A  |
| PANEL A (APT #3)  | #1   | 1     | 0.160 OHM/K-FT | 100 FT | 0.0160 OHM | 100 A | 3.20 V | 240 V | 1.33% | 6,053 A  |
| PANEL B (APT #4)  | #1   | 0.011 | 0.160 OHM/K-FT | 120 FT | 0.0192 OHM | 100 A | 3.84 V | 240 V | 1.60% | 5,334 A  |
| PANEL A (APT #5)  | #1   | 1     | 0.160 OHM/K-FT | 140 FT | 0.0224 OHM | 100 A | 4.47 V | 240 V | 1.86% | 4,769 A  |
| PANEL A (APT #6)  | #1   | 1     | 0.160 OHM/K-FT | 40 FT  | 0.0064 OHM | 100 A | 1.28 V | 240 V | 0.53% | 10,154 A |
| PANEL B (APT #7)  | #1   | 1     | 0.160 OHM/K-FT | 55 FT  | 0.0088 OHM | 100 A | 1.76 V | 240 V | 0.73% | 8,683 A  |
| PANEL A (APT #8)  | #1   | 1     | 0.160 OHM/K-FT | 100 FT | 0.0160 OHM | 100 A | 3.20 V | 240 V | 1.33% | 6,053 A  |
| PANEL B (APT #9)  | #1   | 1     | 0.160 OHM/K-FT | 120 FT | 0.0192 OHM | 100 A | 3.84 V | 240 V | 1.60% | 5,334 A  |
| PANEL A (APT #10) | #1   | 1     | 0.160 OHM/K-FT | 140 FT | 0.0224 OHM | 100 A | 4.47 V | 240 V | 1.86% | 4,769 A  |
| PANEL A (APT #11) | #1   | 1     | 0.160 OHM/K-FT | 20 FT  | 0.0032 OHM | 100 A | 0.64 V | 240 V | 0.27% | 13,116 A |
| PANEL C (APT #12) | #1   | 1     | 0.160 OHM/K-FT | 70 FT  | 0.0112 OHM | 100 A | 2.24 V | 240 V | 0.93% | 7,584 A  |
| PANEL C (APT #13) | #1   | 1     | 0.160 OHM/K-FT | 90 FT  | 0.0144 OHM | 121 A | 3.50 V | 240 V | 1.46% | 6,109 A  |
| PANEL A (APT #14) | #1   | 1     | 0.160 OHM/K-FT | 145 FT | 0.0232 OHM | 121 A | 5.63 V | 240 V | 2.35% | 4,447 A  |
| PANEL C (APT #15) | #1   | 1     | 0.160 OHM/K-FT | 50 FT  | 0.0080 OHM | 121 A | 1.94 V | 240 V | 0.81% | 8,389 A  |
| PANEL C (APT #16) | #1   | 1     | 0.160 OHM/K-FT | 65 FT  | 0.0104 OHM | 121 A | 2.52 V | 240 V | 1.05% | 7,359 A  |
| PANEL D           | #350 | 2     | 0.060 OHM/K-FT | 50 FT  | 0.0015 OHM | 459 A | 1.38 V | 240 V | 0.57% | 31,098 A |

NOTES: 1. VOLTAGE DROP CALCULATIONS ARE BASED ON TABLE 9 OF THE NEC FOR EFFECTIVE Z AT 0.85 PF, UNCOATED COPPER WIRES IN STEEL CONDUIT (WORST CASE). 2. FEEDER LENGTH'S ARE ESTIMATED, CONTACT ENGINEER IF ANY LENGTHS WILL BE <u>SHORTER</u> THAN ESTIMATED. 3. LOAD IS THE DEMAND LOAD OF THE PANEL OR TRANSFORMER. 4. AIC RATING MAY BE REVISED IF FAULT ON PRIMARY SIDE OF TRANSFORMER OR UTILITY TRANSFORMER IMPEDANCE IS KNOWN.

EQUATION: Z = (OHMS/K-FT) \* (K-FT/1000') \* (LENGTH) / (SETS) V-DROP = Z \*2\* LOAD

| SERVICE E   | ENTRANCE   | CALCULAT  | ION   |
|---|--|---|---|
| OLTAGE (L-L):   | 240V   | I-FLA=[RATED K\   | /A * 1000]/   |
| HASE (PH):  | 1  | [V-LL*SQR   | T(PHASE)]   |
| MPS:  | 400A   | I-FLA=  | 4170  |
| ULL LOAD KVA:   | 78.1KVA  |   | 41/A  |
| RANSFORMER:   | 100.0KVA   | M=100/%Z=   | 62.50   |
| IPEDANCE (%Z):  | 1.6%Z  | I-SC=I-FLA*M=   | 26,042 A  |
| AILABLE AT SECO<br>ALCULATION IF LA   | ONDARY OF TRANSFO<br>RGER THAN CALCUL  | CONTACT UTILITY AND VI<br>ORMER. CONTACT ENGIN<br>ATED.<br>CALCULATION (METER                   | EER FOR RE-   |
| VAILABLE AT SECO<br>ALCULATION IF LA<br>UTILITY TRANS   | ONDARY OF TRANSFO<br>RGER THAN CALCUL  | ORMER. CONTACT ENGIN<br>ATED.   | EER FOR RE-   |
| VAILABLE AT SECO<br>ALCULATION IF LA<br>UTILITY TRANS<br>SERVICE I  | ONDARY OF TRANSFO<br>RGER THAN CALCUL  | ORMER. CONTACT ENGIN<br>ATED.<br>CALCULATION (METER   | R CENTER I  |
| VAILABLE AT SECO<br>ALCULATION IF <u>LA</u><br><u>UTILITY TRANS</u><br>SERVICE I<br>OLTAGE (L-L):         | ONDARY OF TRANSFO<br>RGER THAN CALCUL<br>FORMER FAULT C                                  | ORMER. CONTACT ENGIN<br>ATED.<br>CALCULATION (METER<br>CALCULAT<br>I-FLA=[RATED K)              | R CENTER I  |
| VAILABLE AT SECO<br>ALCULATION IF LA<br>UTILITY TRANS<br>SERVICE I  | ONDARY OF TRANSFO<br>RGER THAN CALCUL<br>FORMER FAULT C                                  | ORMER. CONTACT ENGIN<br>ATED.<br>CALCULATION (METER<br>CALCULAT<br>I-FLA=[RATED KV<br>[V-LL*SQR | R CENTER II<br>TION<br>/A * 1000]/<br>RT(PHASE)]        |
| VAILABLE AT SECO<br>ALCULATION IF LA<br>UTILITY TRANS<br>SERVICE I<br>OLTAGE (L-L):<br>HASE (PH):         | ONDARY OF TRANSFO<br>RGER THAN CALCUL<br>FORMER FAULT O<br>ENTRANCE<br>240V<br>1         | ORMER. CONTACT ENGIN<br>ATED.<br>CALCULATION (METER<br>CALCULAT<br>I-FLA=[RATED K)              | R CENTER II<br>TION<br>/A * 1000]/<br>RT(PHASE)]        |
| VAILABLE AT SECO<br>ALCULATION IF LA<br>UTILITY TRANS<br>SERVICE I<br>OLTAGE (L-L):<br>HASE (PH):<br>MPS: | ONDARY OF TRANSFO<br>RGER THAN CALCUL<br>FORMER FAULT O<br>ENTRANCE<br>240V<br>1<br>400A | ORMER. CONTACT ENGIN<br>ATED.<br>CALCULATION (METER<br>CALCULAT<br>I-FLA=[RATED KV<br>[V-LL*SQR | R CENTER II<br>TION<br>/A * 1000]/<br>T(PHASE)]<br>313A |

| TARTING I-SC:   | 26,042 A   | IMPEDANCE BASED ON   | 3 SINGLE   |
|---|--|--|--|
| OLTAGE (L-L):   | 240V   | CONDUCTORS IN NON-N  | AGNETIC  |
| HASE (PH):  | 1  | CONDUIT  |  |
| EEDER SIZE:   | 500  | CALCULAT   | ION  |
| EEDER MATERIAL:   | CU   | *f=[SQRT(PHASE)*L*IS-C   | ;]/  |
| ARALLEL SETS (Q):   | 1  | [Q*C*V-LL]   | 8  |
| EEDER LENGTH (L):   | 50FT   | f=   | 0.406  |
| EET PER OHMS (C):   | 26,706 FT/OHMS   | M=1/(1+f)=   | 0.711  |
|   | and the second second second   | I-SC=I-SC*M=   | 18,518 A   |
| INE-NEUTRAL (OR V*L<br>FEEDER   | L/2)<br>FAULT CALCULA  | R LENGTH IS DOUBLED A  | R II)  |
| INE-NEUTRAL (OR V*L   | _L/2)  |  |  |
| INE-NEUTRAL (OR V*L<br>FEEDER<br>TARTING I-SC:  | L/2)<br>FAULT CALCULA<br>20,833 A  | TION (METER CENTE  | RII)<br>3 SINGLE   |
| INE-NEUTRAL (OR V*L<br>FEEDER<br>TARTING I-SC:<br>OLTAGE (L-L):   | L/2)<br>FAULT CALCULA  | TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N   | RII)<br>3 SINGLE   |
| INE-NEUTRAL (OR V*L<br>FEEDER<br>TARTING I-SC:<br>OLTAGE (L-L):<br>HASE (PH):   | L/2)<br>FAULT CALCULA<br>20,833 A<br>240V<br>1                           | TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT  | ER II)<br>3 SINGLE<br>MAGNETIC                                 |
| INE-NEUTRAL (OR V*L<br>FEEDER<br>TARTING I-SC:<br>OLTAGE (L-L):<br>HASE (PH):<br>EEDER SIZE:  | L/2)<br>FAULT CALCULA<br>20,833 A<br>240V<br>1<br>500                    | IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT<br>CALCULAT   | ER II)<br>3 SINGLE<br>MAGNETIC                                 |
| INE-NEUTRAL (OR V*L<br>FEEDER<br>TARTING I-SC:<br>OLTAGE (L-L):<br>HASE (PH):<br>EEDER SIZE:<br>EEDER MATERIAL:   | L/2)<br>FAULT CALCULA<br>20,833 A<br>240V<br>1<br>500<br>CU              | TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br><u>CALCULAT</u><br>*f=[SQRT(PHASE)*L*IS-C         | ER II)<br>3 SINGLE<br>MAGNETIC                                 |
| INE-NEUTRAL (OR V*L<br>FEEDER<br>TARTING I-SC:<br>OLTAGE (L-L):<br>HASE (PH):<br>EEDER SIZE:<br>EEDER MATERIAL:   | L/2)<br>FAULT CALCULA<br>20,833 A<br>240V<br>1<br>500                    | IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT<br>CALCULAT   | ER II)<br>3 SINGLE<br>MAGNETIC                                 |
| INE-NEUTRAL (OR V*L<br>FEEDER<br>TARTING I-SC:<br>OLTAGE (L-L):<br>HASE (PH):<br>EEDER SIZE:<br>EEDER MATERIAL:<br>ARALLEL SETS (Q):                      | L/2)<br>FAULT CALCULA<br>20,833 A<br>240V<br>1<br>500<br>CU              | ATION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL] | ER II)<br>3 SINGLE<br>MAGNETIC                                 |
| INE-NEUTRAL (OR V*L<br>FEEDER<br>TARTING I-SC:<br>OLTAGE (L-L):<br>HASE (PH):<br>EEDER SIZE:<br>EEDER MATERIAL:<br>ARALLEL SETS (Q):<br>EEDER LENGTH (L): | L/2)<br>FAULT CALCULA<br>20,833 A<br>240V<br>1<br>500<br>CU<br>1<br>1    | ATION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL] | ER II)<br>3 SINGLE<br>MAGNETIC<br>TION<br>TJ/<br>0.325         |
| INE-NEUTRAL (OR V*L   | L/2)<br>FAULT CALCULA<br>20,833 A<br>240V<br>1<br>500<br>CU<br>1<br>50FT | TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]              | ER II)<br>3 SINGLE<br>MAGNETIC<br>TION<br>D/<br>0.325<br>0.755 |

| SERVICE EN  | ITRANCE  | CALCULAT   | ION   |
|---|--|--|---|
| VOLTAGE (L-L):  | 240V   | I-FLA=[RATED K\  | /A * 1000]/   |
| PHASE (PH):   | 1  | [V-LL*SQR  | T(PHASE)]   |
| AMPS:   | 400A   | I-FLA=   | 4174  |
| FULL LOAD KVA:  | 78.1KVA  |  | 1 C 21 1 -  |
| TRANSFORMER:  | 100.0KVA   | M=100/%Z=  | 12  |
| IMPEDANCE (%Z):   | 1.6%Z  | I-SC=I-FLA*M=  | 26,042 A  |
| AVAILABLE AT SECON<br>CALCULATION IF LARC   | IDARY OF TRANSFO   | ONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.   | EER FOR RE-   |
| SERVICE EN  |  | CALCULAT   |   |
|   |  |  |   |
| VOLTAGE (L-L):  | 240V   | I-FLA=[RATED K   |   |
| PHASE (PH):<br>AMPS:  | 1  | [V-LL*SQR  | T(PHASE)]   |
| FULL LOAD KVA:  | 400A<br>41.9KVA  | I-FLA=   | 208A  |
| TRANSFORMER:  | 50.0KVA  | M=100/%Z=  | 66 67   |
| IMPEDANCE (%Z):   | 1.5%Z  | I-SC=I-FLA*M=  |   |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC  | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL   |  | ERIFY I-SC<br>IEER FOR RE-  |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC  | TRACTOR SHALL O<br>IDARY OF TRANSFO<br>GER THAN CALCUL   | ONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE  | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)  |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:  | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL   | ONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.   | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE  |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC  | TRACTOR SHALL O<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A  | ONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON  | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE  |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):  | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V  | ONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M   | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE<br>IAGNETIC  |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):   | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1   | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT   | ERIFY I-SC<br>EER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC   |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:   | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500  | ONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT<br><u>CALCULAT</u>   | ERIFY I-SC<br>EER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC   |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:   | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500  | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]   | ERIFY I-SC<br>EER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC   |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):   | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500<br>CU<br>1   | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]   | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC<br>TION<br>E)/<br>0.406  |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):   | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500<br>CU<br>1<br>500<br>CU<br>1<br>50FT   | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]   | ERIFY I-SC<br>EER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC<br>10N<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10                              |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):<br>FEET PER OHMS (C):<br>*f FOR SINGLE PHASE<br>LINE-NEUTRAL (OR V*1  | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500<br>CU<br>1<br>500<br>CU<br>1<br>50FT<br>26,706 FT/OHMS<br>SYSTEMS, FEEDER<br>LL/2)   | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f=<br>M=1/(1+f)=<br>I-SC=I-SC*M=<br>R LENGTH IS DOUBLED A  | ERIFY I-SC<br>EER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC<br>10N<br>CJ/<br>0.406<br>0.711<br>18,518 A<br>ND VOLTAGE   |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):<br>FEET PER OHMS (C):<br>*f FOR SINGLE PHASE<br>LINE-NEUTRAL (OR V*I<br>FEEDER  | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500<br>CU<br>1<br>50FT<br>26,706 FT/OHMS<br>SYSTEMS, FEEDER<br>LL/2)<br>FAULT CALCULA  | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f=<br>M=1/(1+f)=<br>I-SC=I-SC*M=<br>R LENGTH IS DOUBLED A  | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC<br>10N<br>2)<br>0.406<br>0.711<br>18,518 A<br>ND VOLTAGE<br>R III)   |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LAR<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):<br>FEET PER OHMS (C):<br>*f FOR SINGLE PHASE<br>LINE-NEUTRAL (OR V*I<br>FEEDER<br>STARTING I-SC:   | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500<br>CU<br>1<br>50FT<br>26,706 FT/OHMS<br>SYSTEMS, FEEDER<br>LL/2)<br>FAULT CALCULA<br>13,889 A  | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f=<br>M=1/(1+f)=<br>I-SC=I-SC*M=<br>R LENGTH IS DOUBLED A<br>TION (METER CENTE<br>IMPEDANCE BASED ON   | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC<br>10N<br>2)/<br>0.406<br>0.711<br>18,518 A<br>ND VOLTAGE<br>R III)<br>3 SINGLE                                  |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):<br>FEET PER OHMS (C):<br>*f FOR SINGLE PHASE<br>LINE-NEUTRAL (OR V*I<br>FEEDER<br>STARTING I-SC:<br>VOLTAGE (L-L):  | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500<br>CU<br>1<br>50FT<br>26,706 FT/OHMS<br>SYSTEMS, FEEDER<br>LL/2)<br>FAULT CALCULA<br>13,889 A<br>240V  | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f=<br>M=1/(1+f)=<br>I-SC=I-SC*M=<br>R LENGTH IS DOUBLED A<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N  | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC<br>10N<br>2)/<br>0.406<br>0.711<br>18,518 A<br>ND VOLTAGE<br>R III)<br>3 SINGLE                                  |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):<br>FEEDER LENGTH (L):<br>FEET PER OHMS (C):<br>*f FOR SINGLE PHASE<br>LINE-NEUTRAL (OR V*I<br>FEEDER<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):   | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500<br>CU<br>1<br>50FT<br>26,706 FT/OHMS<br>SYSTEMS, FEEDEF<br>LL/2)<br>FAULT CALCULA<br>13,889 A<br>240V<br>1   | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f=<br>M=1/(1+f)=<br>I-SC=I-SC*M=<br>R LENGTH IS DOUBLED A<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-N<br>CONDUIT   | RIFY I-SC<br>EER FOR RE-<br>RIA<br>3 SINGLE<br>MAGNETIC<br>10N<br>0.406<br>0.711<br>18,518 A<br>ND VOLTAGE<br>R III)<br>3 SINGLE<br>MAGNETIC                                  |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):<br>FEET PER OHMS (C):<br>*f FOR SINGLE PHASE<br>LINE-NEUTRAL (OR V*I<br>FEEDER<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:   | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500<br>CU<br>1<br>50FT<br>26,706 FT/OHMS<br>SYSTEMS, FEEDER<br>LL/2)<br>FAULT CALCULA<br>13,889 A<br>240V<br>1<br>500  | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f=<br>M=1/(1+f)=<br>I-SC=I-SC*M=<br>R LENGTH IS DOUBLED A<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT   | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC<br>10N<br>2)<br>0.406<br>0.711<br>18,518 A<br>ND VOLTAGE<br>R III)<br>3 SINGLE<br>MAGNETIC                       |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):<br>FEET PER OHMS (C):<br>*f FOR SINGLE PHASE<br>LINE-NEUTRAL (OR V*I<br>FEEDER<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:   | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500<br>CU<br>1<br>50FT<br>26,706 FT/OHMS<br>SYSTEMS, FEEDER<br>LL/2)<br>FAULT CALCULA<br>13,889 A<br>240V<br>1<br>500<br>CU  | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br><u>CALCULAT</u><br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f=<br>M=1/(1+f)=<br>I-SC=I-SC*M=<br>A LENGTH IS DOUBLED A<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br><u>CALCULAT</u><br>*f=[SQRT(PHASE)*L*IS-C       | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC<br>10N<br>2)<br>0.406<br>0.711<br>18,518 A<br>ND VOLTAGE<br>R III)<br>3 SINGLE<br>MAGNETIC                       |
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| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):<br>FEEDER SINGLE PHASE<br>LINE-NEUTRAL (OR V*I<br>FEEDER<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):                                       | TRACTOR SHALL O         IDARY OF TRANSFO         GER THAN CALCULA         FAULT CALCULA         26,042 A         240V         1         500         CU         1         50FT         26,706 FT/OHMS         SYSTEMS, FEEDEF         LL/2)         FAULT CALCULA         13,889 A         240V         1         500         CU         13,889 A         240V         1         500         CU         1         500FT   | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f=<br>M=1/(1+f)=<br>I-SC=I-SC*M=<br>R LENGTH IS DOUBLED A<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f= | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC<br>10N<br>2)<br>0.406<br>0.711<br>18,518 A<br>ND VOLTAGE<br>R III)<br>3 SINGLE<br>MAGNETIC<br>10N<br>2)<br>0.217 |
| BUSSMANN SPD. CON<br>AVAILABLE AT SECON<br>CALCULATION IF LARC<br>FEEDER I<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):<br>FEET PER OHMS (C):<br>*f FOR SINGLE PHASE<br>LINE-NEUTRAL (OR V*I<br>FEEDER<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER SIZE:<br>FEEDER SIZE:<br>FEEDER SIZE:<br>FEEDER SIZE:<br>FEEDER SIZE: | TRACTOR SHALL C<br>IDARY OF TRANSFO<br>GER THAN CALCUL<br>FAULT CALCULA<br>26,042 A<br>240V<br>1<br>500<br>CU<br>1<br>50FT<br>26,706 FT/OHMS<br>SYSTEMS, FEEDER<br>LL/2)<br>FAULT CALCULA<br>13,889 A<br>240V<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>500<br>CU<br>1<br>1<br>1<br>500<br>CU<br>1<br>1<br>1<br>500<br>CU<br>1<br>1<br>1<br>500<br>CU<br>1<br>1<br>1<br>500<br>CU<br>1<br>1<br>1<br>1<br>500<br>CU<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>500<br>CU<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | CONTACT UTILITY AND VI<br>DRMER. CONTACT ENGIN<br>ATED.<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f=<br>M=1/(1+f)=<br>I-SC=I-SC*M=<br>R LENGTH IS DOUBLED A<br>TION (METER CENTE<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]<br>f= | ERIFY I-SC<br>IEER FOR RE-<br>R I.A)<br>3 SINGLE<br>MAGNETIC<br>10N<br>0.406<br>0.711<br>18,518 A<br>ND VOLTAGE<br>R III)<br>3 SINGLE<br>MAGNETIC<br>10N<br>0.217<br>0.822    |

| FEEI                | DER FAULT CAL | CULATION (PANEL H1)  | 6        |
|---------------------|---------------|--|----------|
| STARTING I-SC:      | 18,518 A      | IMPEDANCE BASED ON   | 3 SINGLE |
| /OLTAGE (L-L):      | 240V          | CONDUCTORS IN NON-M  | AGNETIC  |
| PHASE (PH):         | 1             | CONDUIT  | 2012 C   |
| EEDER SIZE:         | 6             | CALCULAT   | ION      |
| EEDER MATERIAL:     | CU            | *f=[SQRT(PHASE)*L*IS-C   | ;)/      |
| PARALLEL SETS (Q):  | 1             | [Q*C*V-LL]   |          |
| EEDER LENGTH (L):   | 02FT          | f=   | 0.127    |
| EET PER OHMS (C):   | 2,430 FT/OHMS | M=1/(1+f)=   | 0.887    |
|                     |               | I-SC=I-SC*M=   | 16,431 A |
| INE-NEUTRAL (OR V*I | LL/2)         | R LENGTH IS DOUBLED A  |          |
| FEEL                | DER FAULT CAL | CULATION (PANEL A**)   |          |
| STARTING I-SC:      | VARIES        | IMPEDANCE BASED ON   | 3 SINGLE |
| /OLTAGE (L-L):      | 240V          | CONDUCTORS IN NON-M  | AGNETIC  |
| PHASE (PH):         | 1             | CONDUIT  |          |
| EEDER SIZE:         | 1             | CALCULAT   | ION      |
|                     |               | The second secon |          |

|   | 4              | CALCULAT                                | ION           |
|---|----------------|---|---------------|
| FEEDER SIZE:                            | 1              | CALCULATION<br>*f=[SQRT(PHASE)*L*IS-C]/ |               |
| EEDER MATERIAL:                         | CU             |   |               |
| PARALLEL SETS (Q):                      | 1              | [Q*C*V-LL]                              |               |
| FEEDER LENGTH (L):                      | *SEE TABLE     | f=                                      | VARIES        |
| FEET PER OHMS (C):                      | 7,493 FT/OHMS  | M=1/(1+f)=                              | VARIES        |
| 1.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 | A strange with | I-SC=I-SC*M=                            | **SEE TABLE   |
| *f FOR SINGLE PHASE                     | SYSTEMS, FEEDE | R LENGTH IS DOUBLED A                   | ND VOLTAGE IS |
| INE NEUTRAL (OD V/*                     | 1./01          |   |               |

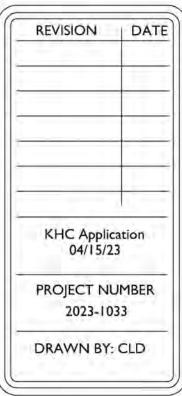
LINE-NEUTRAL (OR V\*LL/2)

| STARTING I-SC:   | 15,723 A   | IMPEDANCE BASED ON  | 3 SINGLE  |
|--|--|---|---|
| VOLTAGE (L-L):   | 240V   | CONDUCTORS IN NON-MAGNETIC  |   |
| PHASE (PH):  | 1  | CONDUIT   |   |
| FEEDER SIZE:   | 6  | CALCULAT  | ION   |
| FEEDER MATERIAL:   | CU   | *f=[SQRT(PHASE)*L*IS-C  | γ.  |
| PARALLEL SETS (Q):   | 1  | [Q*C*V-LL]  |   |
| FEEDER LENGTH (L):   | 02FT   | f=  | 0.108   |
| FEET PER OHMS (C):   | 2,430 FT/OHMS  | M=1/(1+f)=  | 0.903   |
|  |  | I-SC=I-SC*M=  | 14,192 A  |
| LINE-NEUTRAL (OR V*L   | L/2)<br>DER FAULT CALC   | CULATION (PANEL B**)  |   |
| LINE-NEUTRAL (OR V*L   | _L/2)  | CULATION (PANEL B**)  |   |
| LINE-NEUTRAL (OR V*L   | L/2)<br>DER FAULT CALC   | ULATION (PANEL B**)   | 3 SINGLE  |
| LINE-NEUTRAL (OR V*L<br>FEED<br>STARTING I-SC:<br>VOLTAGE (L-L):   | DER FAULT CALC   | CULATION (PANEL B**)  | 3 SINGLE  |
| LINE-NEUTRAL (OR V*L<br>FEED<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):  | DER FAULT CALC   | ULATION (PANEL B**)<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M  | 3 SINGLE<br>IAGNETIC                                  |
| LINE-NEUTRAL (OR V*L<br>FEED<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:  | L/2)<br>DER FAULT CALC<br>VARIES<br>240V<br>1                                    | CULATION (PANEL B**)<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT  | 3 SINGLE<br>IAGNETIC                                  |
| LINE-NEUTRAL (OR V*L<br>FEED<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:  | DER FAULT CALC   | ULATION (PANEL B**)<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT   | 3 SINGLE<br>IAGNETIC                                  |
| LINE-NEUTRAL (OR V*L<br>FEED<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):  | L/2)<br>DER FAULT CALC<br>VARIES<br>240V<br>1<br>1<br>CU                         | CULATION (PANEL B**)<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br><u>CALCULAT</u><br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL] | 3 SINGLE<br>IAGNETIC                                  |
| LINE-NEUTRAL (OR V*L<br>FEED<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):                                      | DER FAULT CALC   | CULATION (PANEL B**)<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br><u>CALCULAT</u><br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL] | 3 SINGLE<br>IAGNETIC<br>ION<br>J/<br>VARIES           |
| *f FOR SINGLE PHASE<br>LINE-NEUTRAL (OR V*L<br>STARTING I-SC:<br>VOLTAGE (L-L):<br>PHASE (PH):<br>FEEDER SIZE:<br>FEEDER MATERIAL:<br>PARALLEL SETS (Q):<br>FEEDER LENGTH (L):<br>FEET PER OHMS (C): | L/2)<br>DER FAULT CALC<br>VARIES<br>240V<br>1<br>1<br>1<br>CU<br>1<br>*SEE TABLE | CULATION (PANEL B**)<br>IMPEDANCE BASED ON<br>CONDUCTORS IN NON-M<br>CONDUIT<br>CALCULAT<br>*f=[SQRT(PHASE)*L*IS-C<br>[Q*C*V-LL]        | 3 SINGLE<br>IAGNETIC<br>ION<br>J/<br>VARIES<br>VARIES |

| SERVICE E       | INTRANCE      | CALCU  | JLATION         |
|-----------------|---------------|--|-----------------|
| VOLTAGE (L-L):  | 240V          | I-FLA=[RATED KVA * 1000]/  |                 |
| PHASE (PH):     | 1             | [V-LL*SQRT(PHASE)]   |                 |
| AMPS:           | 600A          | I-FLA= 696A  | 606 A           |
| FULL LOAD KVA:  | 110.1KVA      | I-FLA-   | DADA            |
| TRANSFORMER:    | 167.0KVA      | M=100/%Z=  | 62.50           |
| IMPEDANCE (%Z): | 1.6%Z         | I-SC=I-FLA*M=  | 43,490 A        |
| BUSSMANN SPD. C | ONTRACTOR SHA | TED TRANSFORMER S<br>LL CONTACT UTILITY<br>NSFORMER. CONTACT<br>CULATED. | AND VERIFY I-SC |

| STARTING I-SC:                            | 43,490 A       | IMPEDANCE BASED          | ON 3 SINGLE |
|---|----------------|--------------------------|-------------|
| VOLTAGE (L-L):                            | 240V           | CONDUCTORS IN N          | ON-MAGNETIC |
| PHASE (PH):                               | 1              | CONDUIT                  |             |
| FEEDER SIZE:                              | 350            | CALCULATION              |             |
| FEEDER MATERIAL:                          | CU             | *f=[SQRT(PHASE)*L*IS-C]/ |             |
| PARALLEL SETS (Q):                        | 2              | [Q*C*V-LL]               | 1. T.       |
| FEEDER LENGTH (L):                        | 50FT           | f=                       | 0.398       |
| FEET PER OHMS (C):                        | 22,737 FT/OHMS | M=1/(1+f)=               | 0.715       |
|   |                | I-SC=I-SC*M=             | 31,098 A    |
| FEET PER OHMS (C):<br>*f FOR SINGLE PHASE |                | I-SC=I-SC*M=             | 31,098 A    |

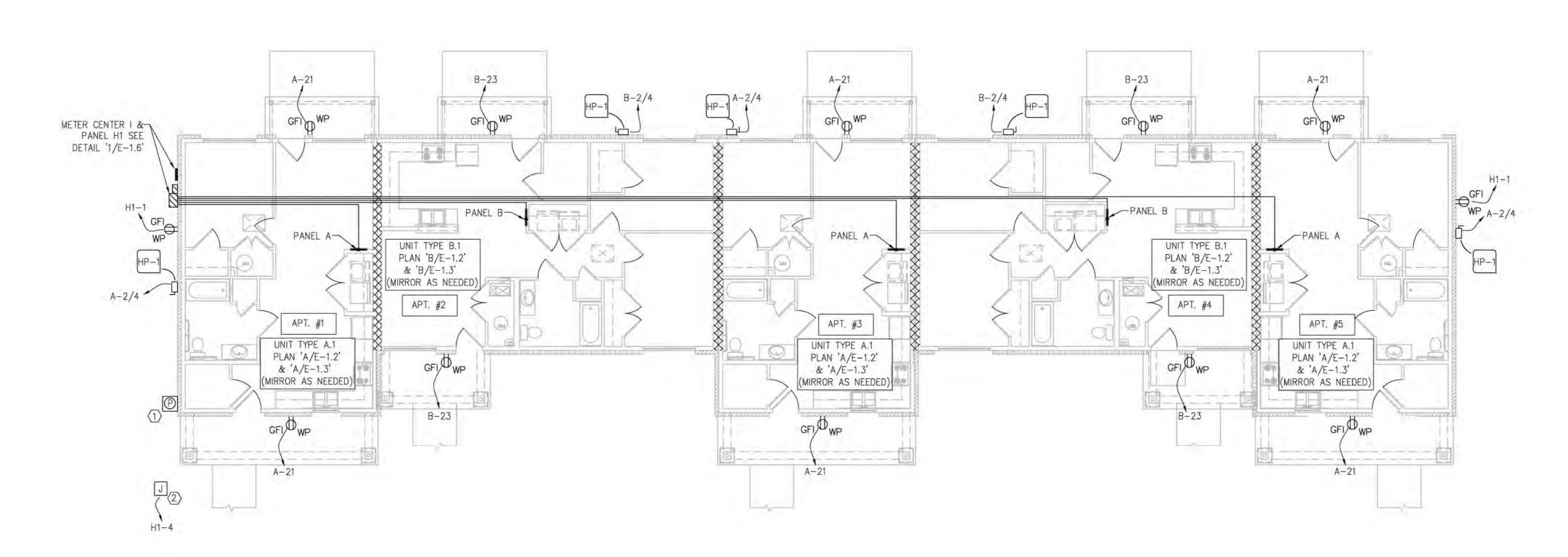
|      | STATUSE KENZE   |
|------|---|
| ST   | IAN BLAKE   |
| Pro- | En TIPPALE  |
|      | S ONAL CONTRACT   |
|      | 04/15/23  |
|      | -   |
| 3    | REB   |
|      | ARCHUTECTS  |
|      | WIND HAVEN DR, STE 101<br>CHOLASVILLE KY 40356<br>859.523.1500      |
|      |   |
|      |   |
|      |   |
|      | Engineering   |
|      | 1733 Campus Plaza Court,<br>Suite 10                                |
| 19   | Bowling Green, KY 42101<br>Phone: 270-796-3052<br>Fax: 270-842-3102 |
|      |   |
|      |   |
|      |   |
|      |   |



|                | 7                               |                      |
|----------------|---------------------------------|----------------------|
| Sutton Landing | Simon Kenton Ave. Maysville, KY | Electrical Schedules |

| FEED   | ER FAULT CAL    | CULATION (PANE             | L H3)            |
|--|-----------------|----------------------------|------------------|
| STARTING I-SC:   | 11,415 A        | IMPEDANCE BASED            | ON 3 SINGLE      |
| VOLTAGE (L-L):   | 240V            | CONDUCTORS IN NON-MAGNETIC |                  |
| PHASE (PH):  | 1               | CONDUIT                    |                  |
| FEEDER SIZE:   | 6               | CALCU                      | JLATION          |
| FEEDER MATERIAL:   | CU              | *f=[SQRT(PHASE)*L          | *IS-C]/          |
| PARALLEL SETS (Q):   | 1               | [Q*C*V-LL]                 |                  |
| FEEDER LENGTH (L):   | 02FT            | f=                         | 0.078            |
| FEET PER OHMS (C):   | 2,430 FT/OHMS   | M=1/(1+f)=                 | 0.927            |
| and the second |                 | I-SC=I-SC*M=               | 10,586 A         |
| *f FOR SINGLE PHASE  | E SYSTEMS, FEED | DER LENGTH IS DOUL         | BLED AND VOLTAGE |
| IS LINE-NEUTRAL (OR  | V*LL/2)         |                            |                  |

| STARTING I-SC:     | VARIES        | IMPEDANCE BASED ON 3 SINGLE<br>CONDUCTORS IN NON-MAGNETIC |             |
|--------------------|---------------|---|-------------|
| VOLTAGE (L-L):     | 240V          |   |             |
| PHASE (PH):        | 1             | CONDUIT   |             |
| FEEDER SIZE:       | 1             | CALCULATION   |             |
| FEEDER MATERIAL:   | CU            | *f=[SQRT(PHASE)*L*IS-C]/                                  |             |
| PARALLEL SETS (Q): | 1             | [Q*C*V-LL]  |             |
| FEEDER LENGTH (L): | *SEE TABLE    | f=  | VARIES      |
| FEET PER OHMS (C): | 7,493 FT/OHMS | M=1/(1+f)=  | VARIES      |
|                    |               | I-SC=I-SC*M=  | **SEE TABLE |

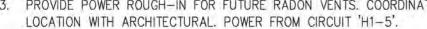


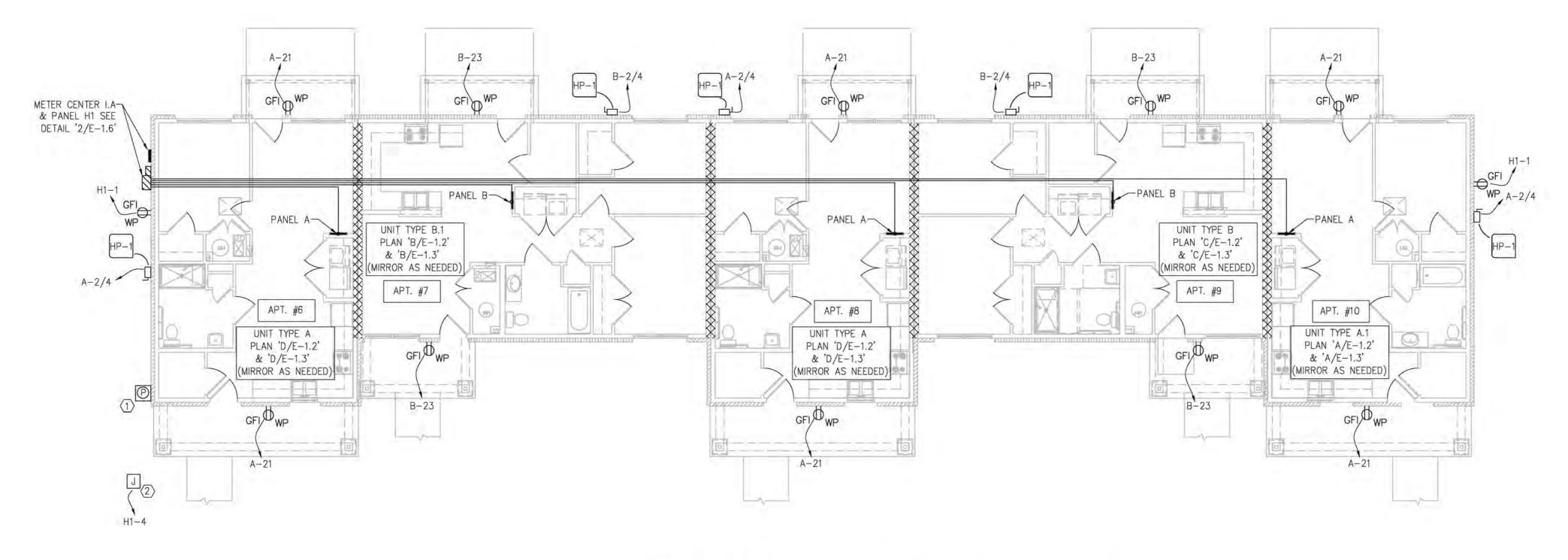
(#) ELECTRICAL KEY NOTES:

- 1. EXTERIOR LIGHTS TO BE CONTROLLED BY PHOTOCELL. COORDINATE OPTIMAL LOCATION.
- 2. PROVIDE POWER TO PARKING LOT LIGHTS. COORDINATE LOCATIONS WITH SITE LIGHTING PLAN. ROUTE THROUGH PHOTOCELL.

ELECTRICAL GENERAL NOTES:

- PROVIDE KEYLESS HOLDER AND CFL W/SWITCH IN ATTIC AT EACH ATTIC SCUTTLE. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS. POWER FROM CIRCUIT 'H1-3'.
- PROVIDE GFI RECEPTACLE IN ATTIC NEAR EACH ATTIC SCUTTLE. COORDINATE LOCATION WITH ARCHITECTURAL, POWER FROM CIRCUITS 'H1-2'.
- 3. PROVIDE POWER ROUGH-IN FOR FUTURE RADON VENTS. COORDINATE

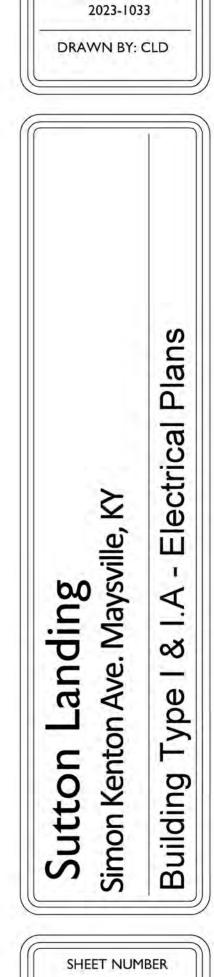






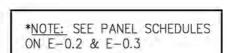




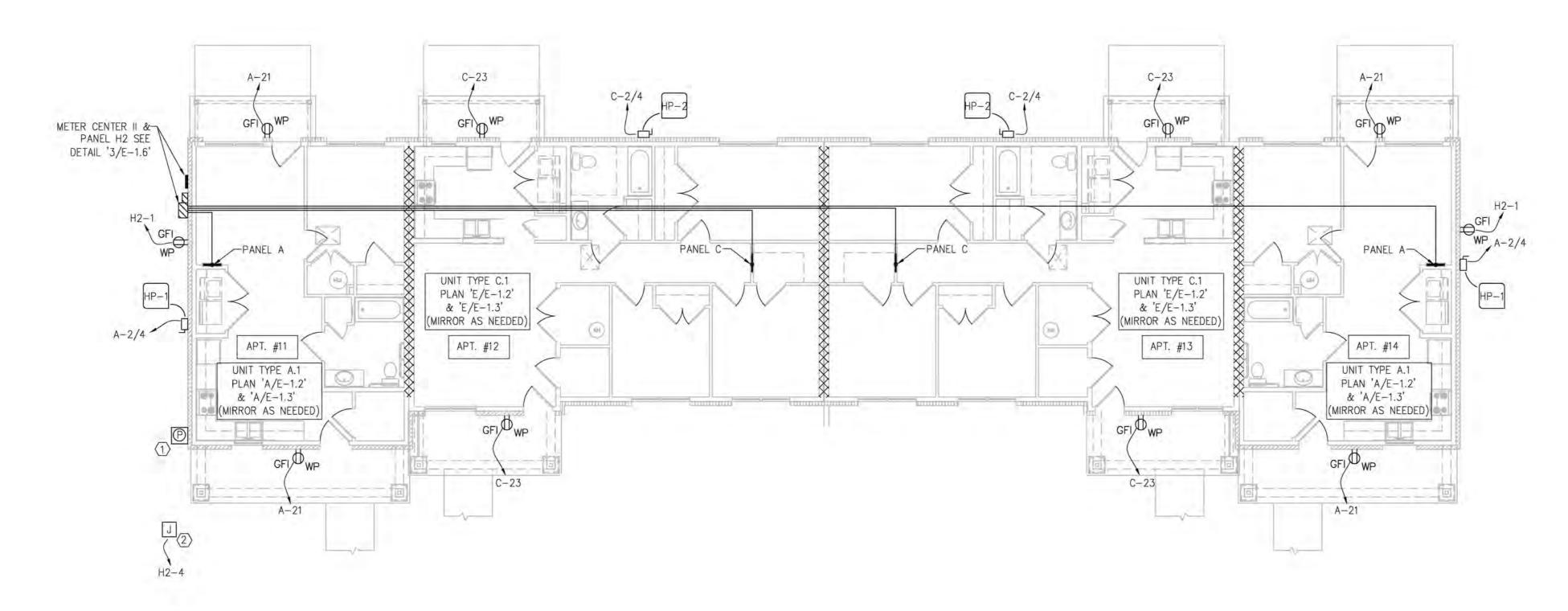


KHC Application 04/15/23

PROJECT NUMBER





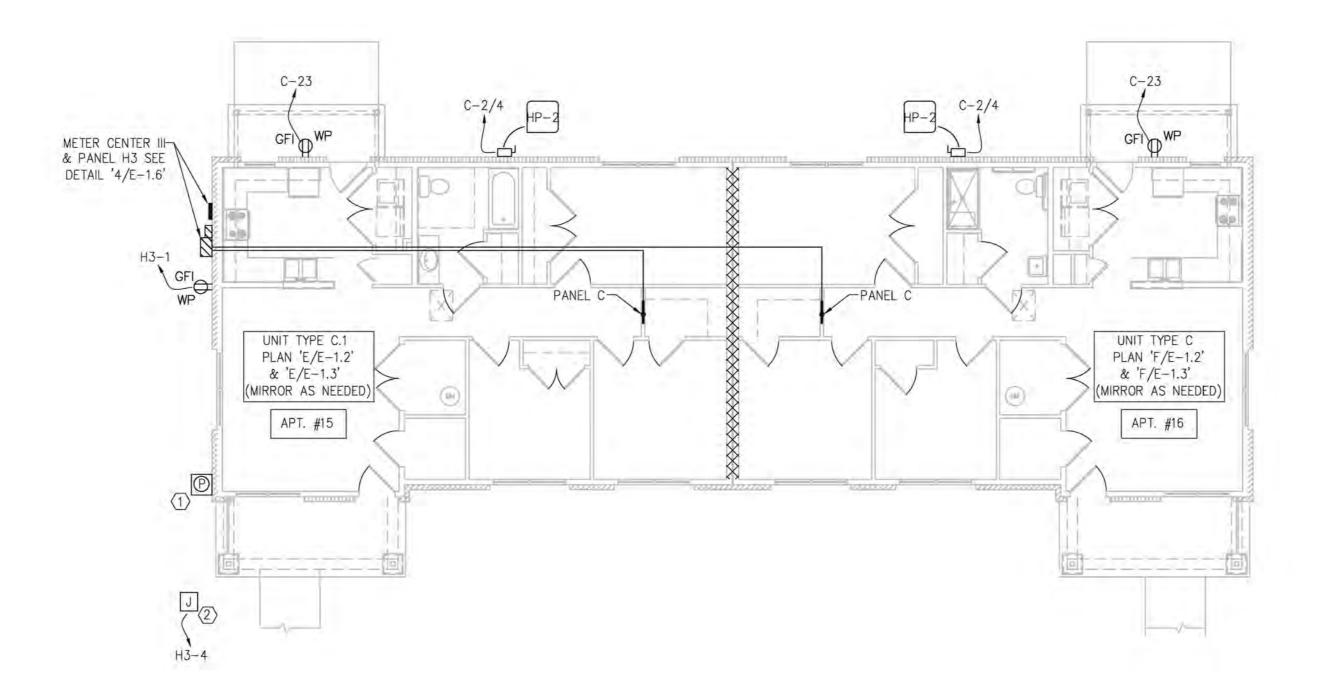


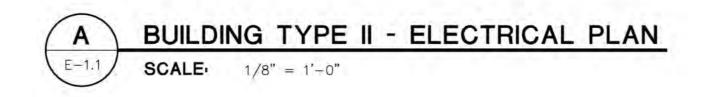
(#) ELECTRICAL KEY NOTES:

- 1. EXTERIOR LIGHTS TO BE CONTROLLED BY PHOTOCELL. COORDINATE OPTIMAL LOCATION.
- 2. PROVIDE POWER TO PARKING LOT LIGHTS. COORDINATE LOCATIONS WITH SITE LIGHTING PLAN. ROUTE THROUGH PHOTOCELL.

ELECTRICAL GENERAL NOTES:

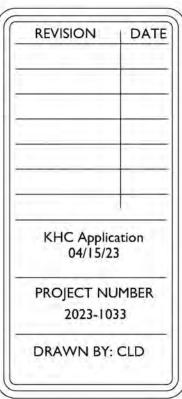
- PROVIDE KEYLESS HOLDER AND CFL W/SWITCH IN ATTIC AT EACH ATTIC SCUTTLE. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS. POWER FROM CIRCUIT 'H2-3' OR 'H3-3'.
- PROVIDE GFI RECEPTACLE IN ATTIC NEAR EACH ATTIC SCUTTLE. COORDINATE LOCATION WITH ARCHITECTURAL. POWER FROM CIRCUITS 'H2-2' OR 'H3-2'.
- PROVIDE POWER ROUGH-IN FOR FUTURE RADON VENTS. COORDINATE LOCATION WITH ARCHITECTURAL. POWER FROM CIRCUIT 'H2-5' OR 'H3-5'.

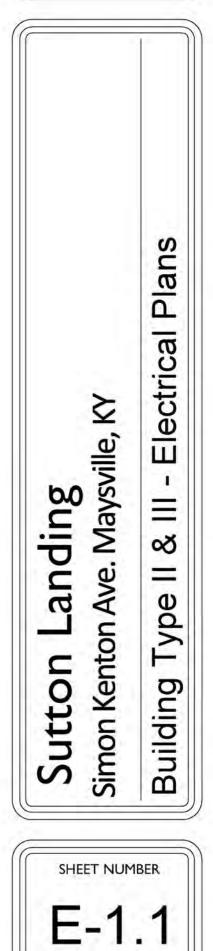




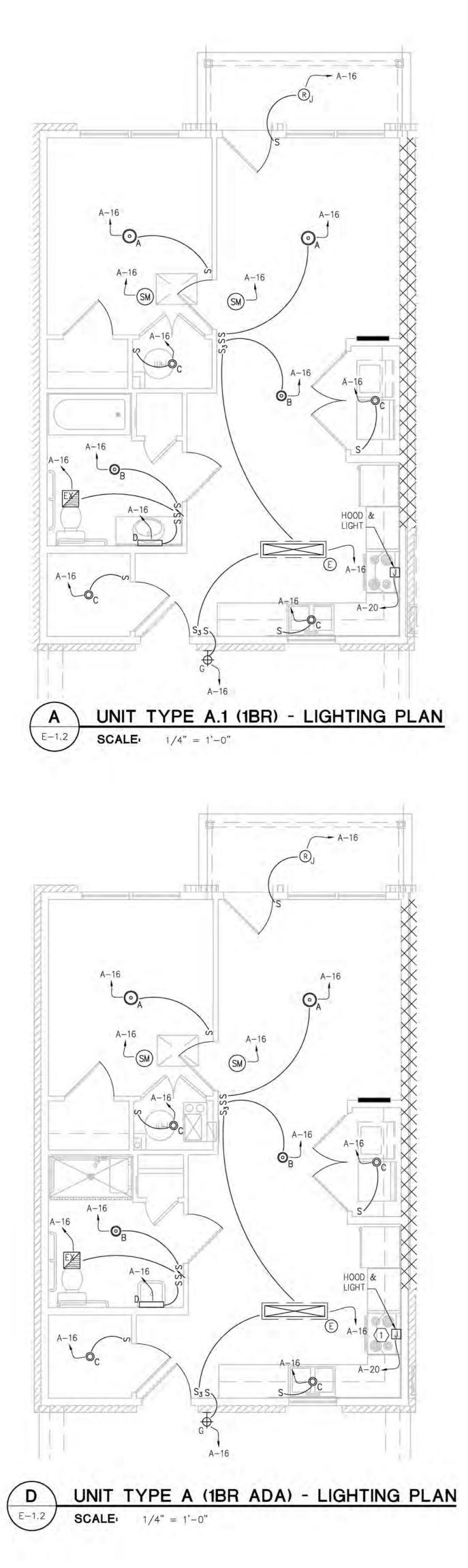


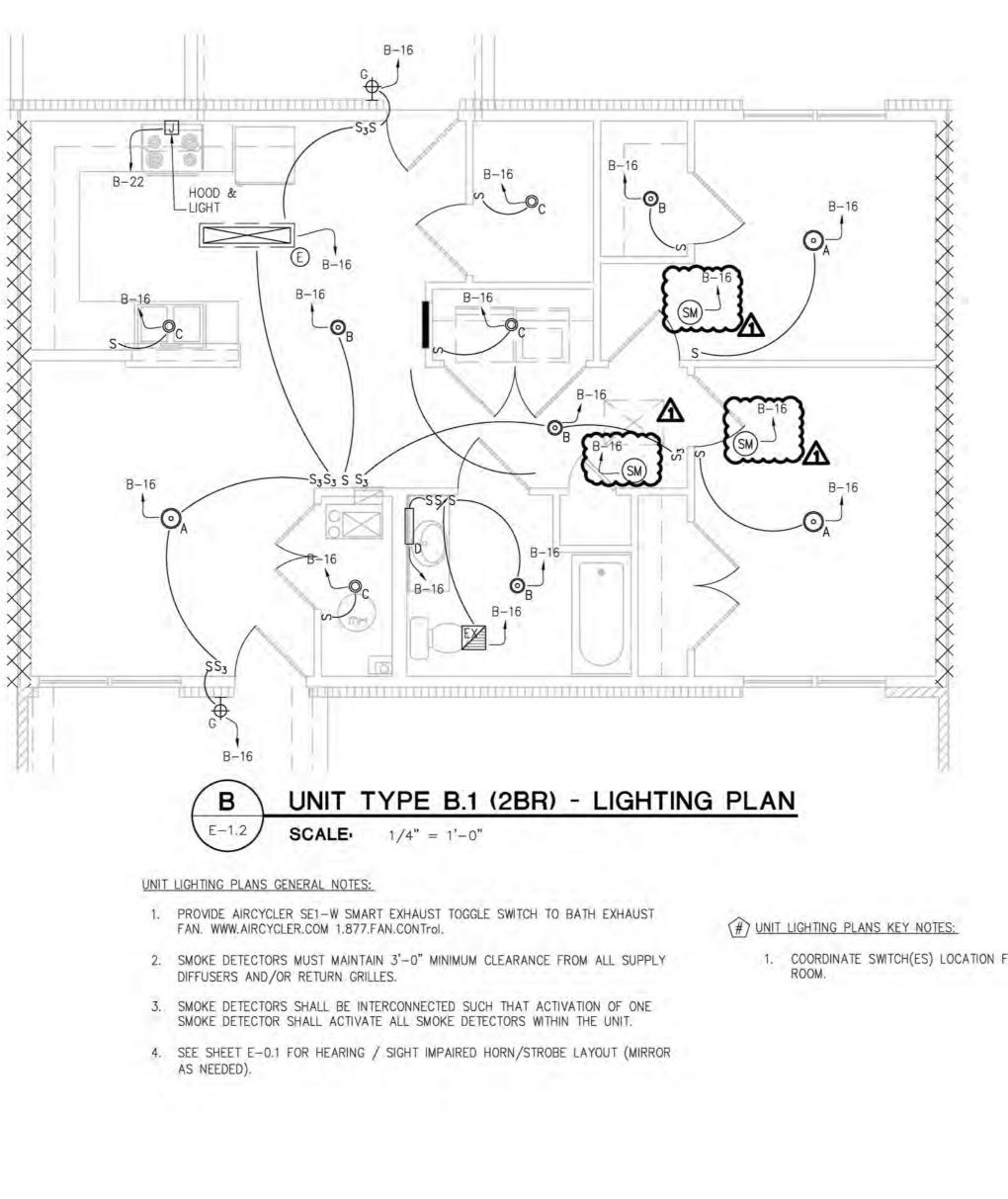


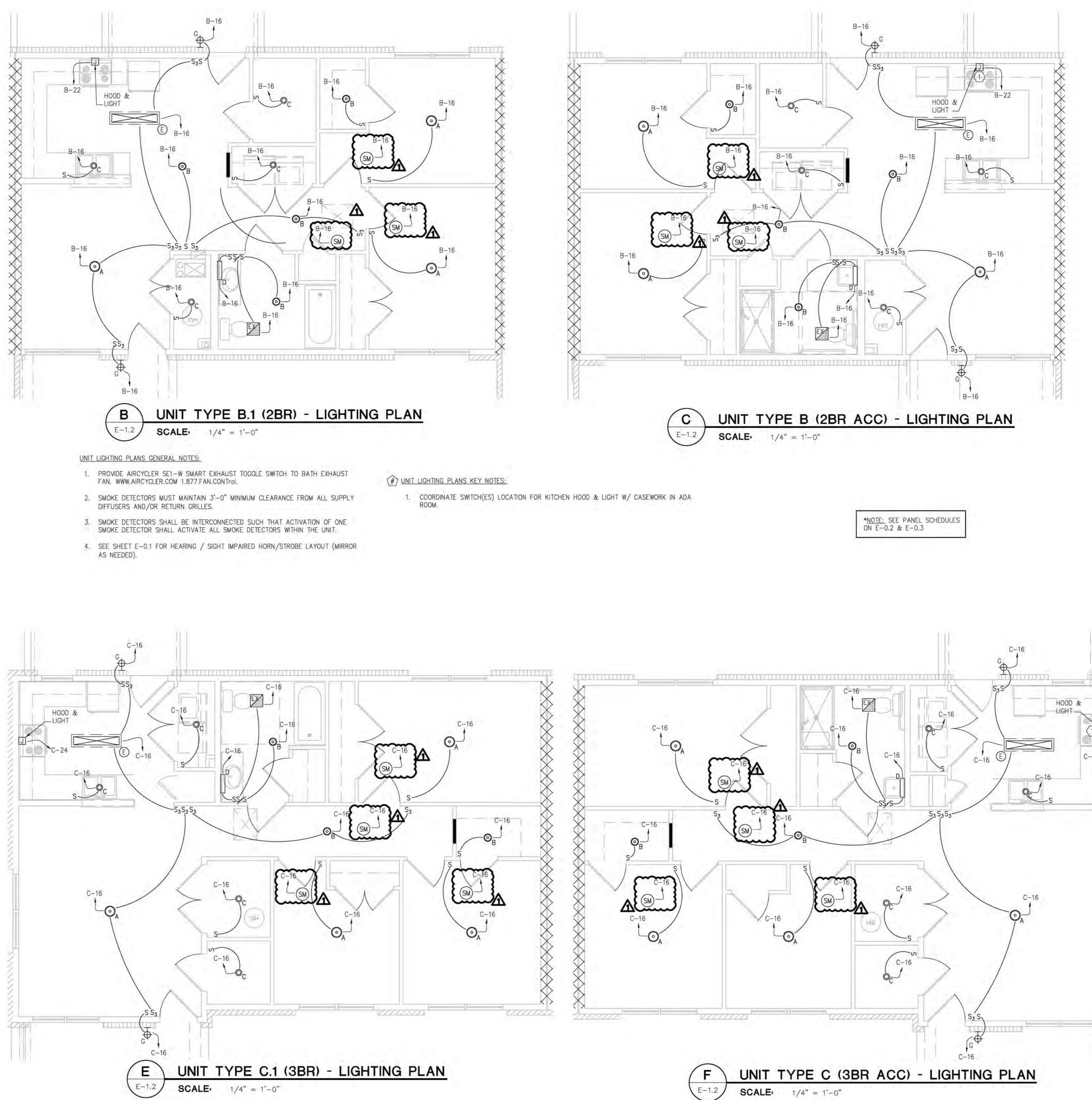


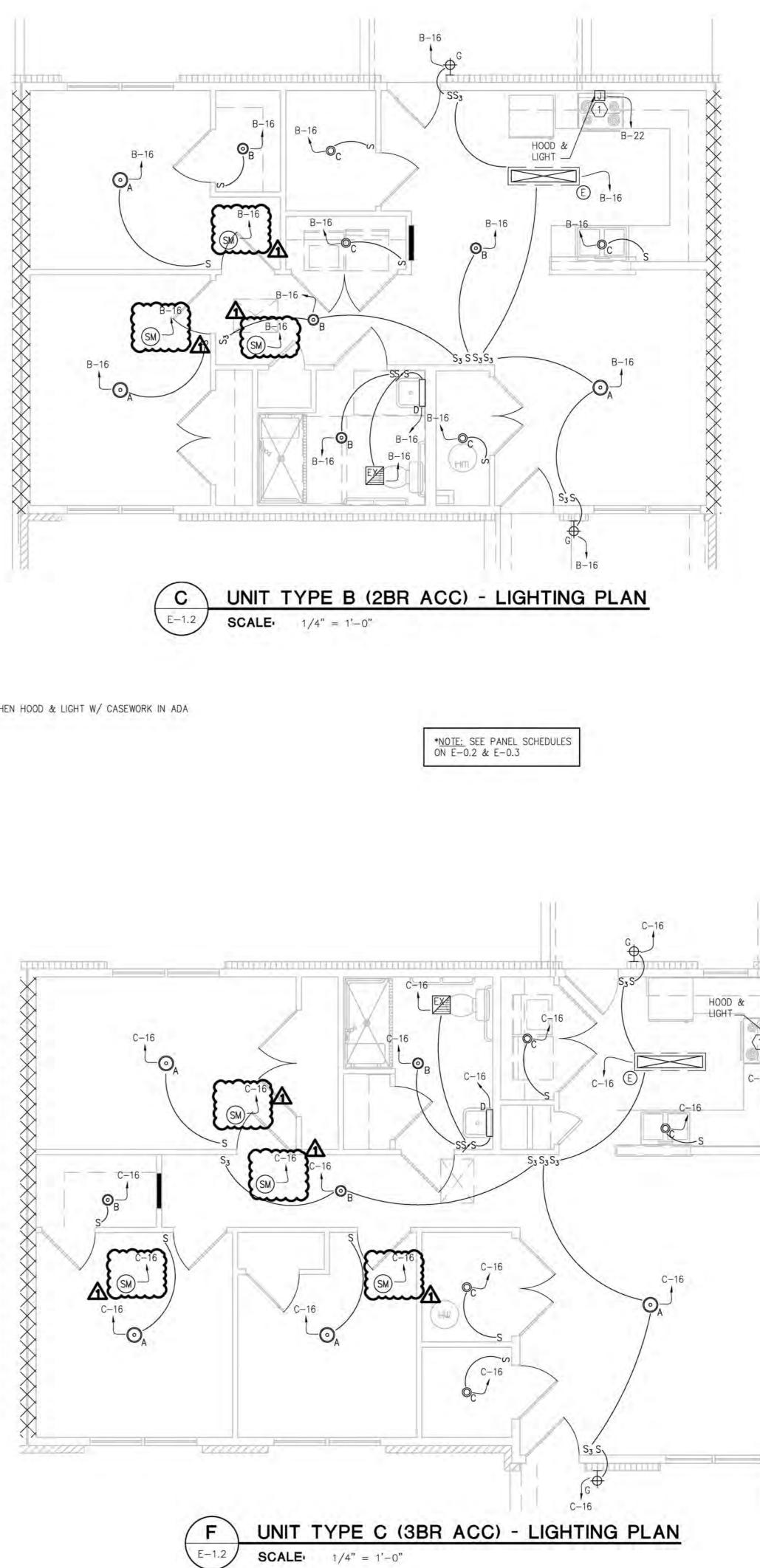


\*<u>NOTE:</u> SEE PANEL SCHEDULES ON E-0.2 & E-0.3



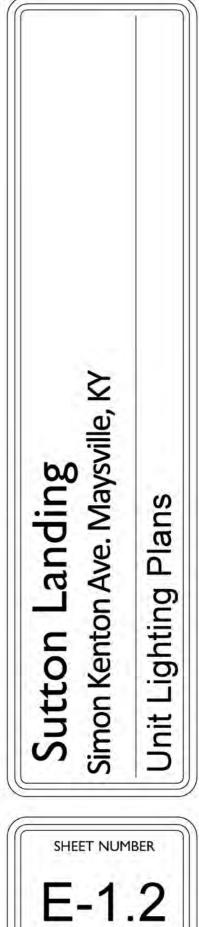


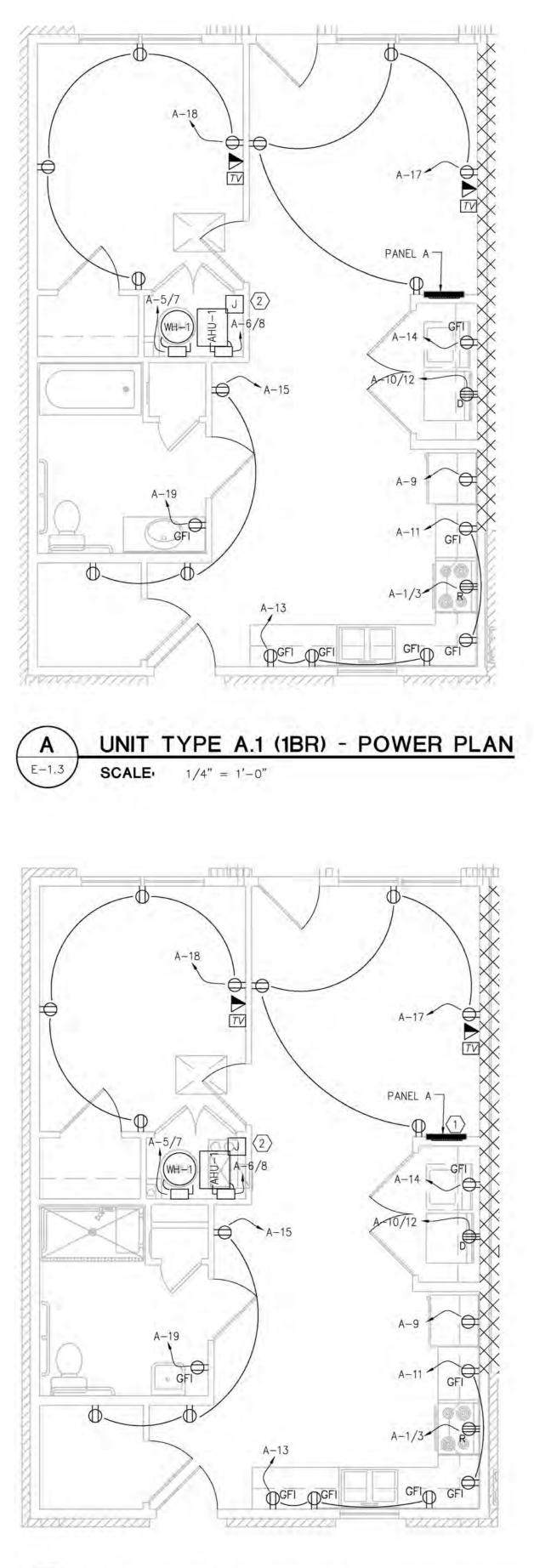


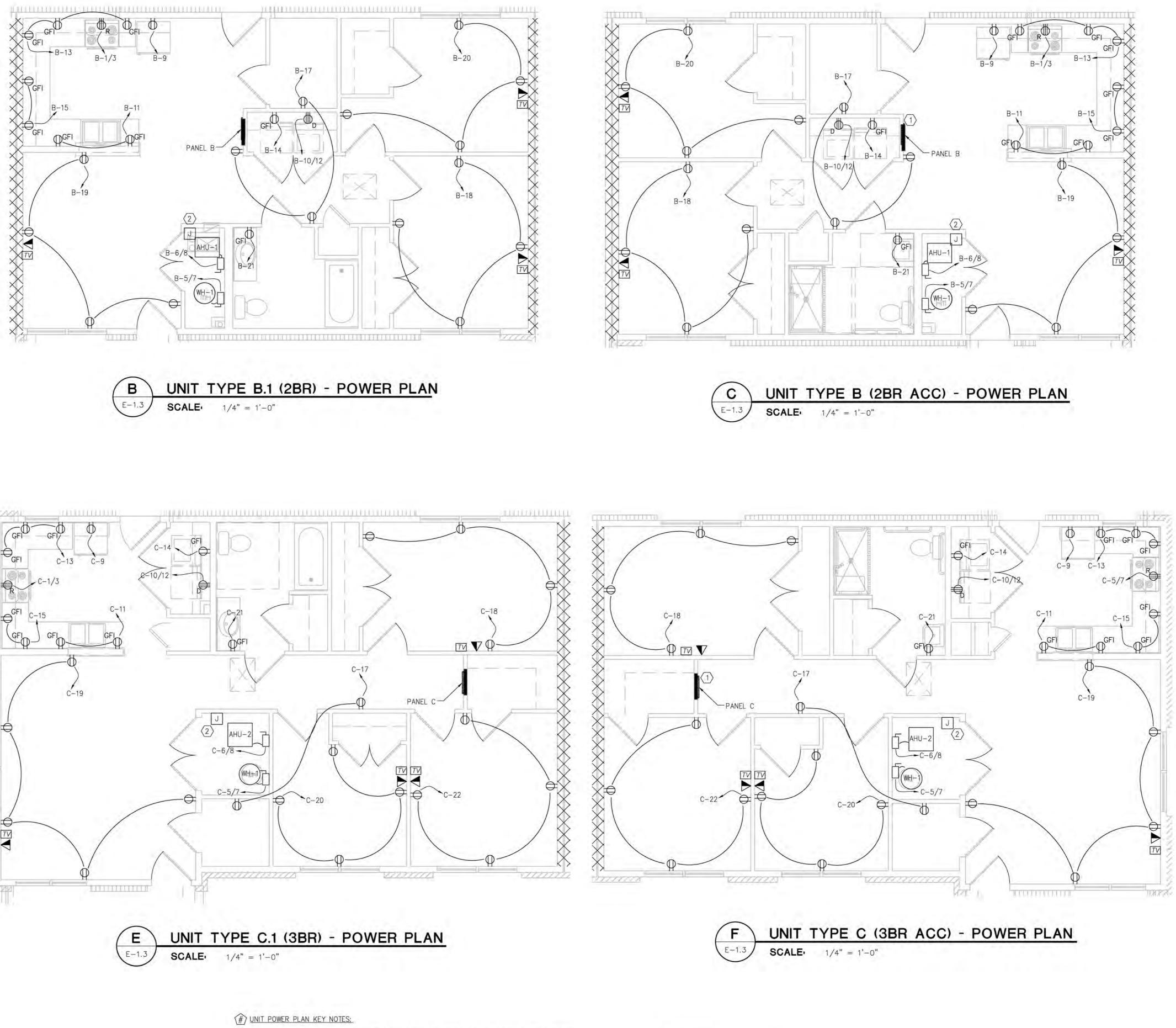


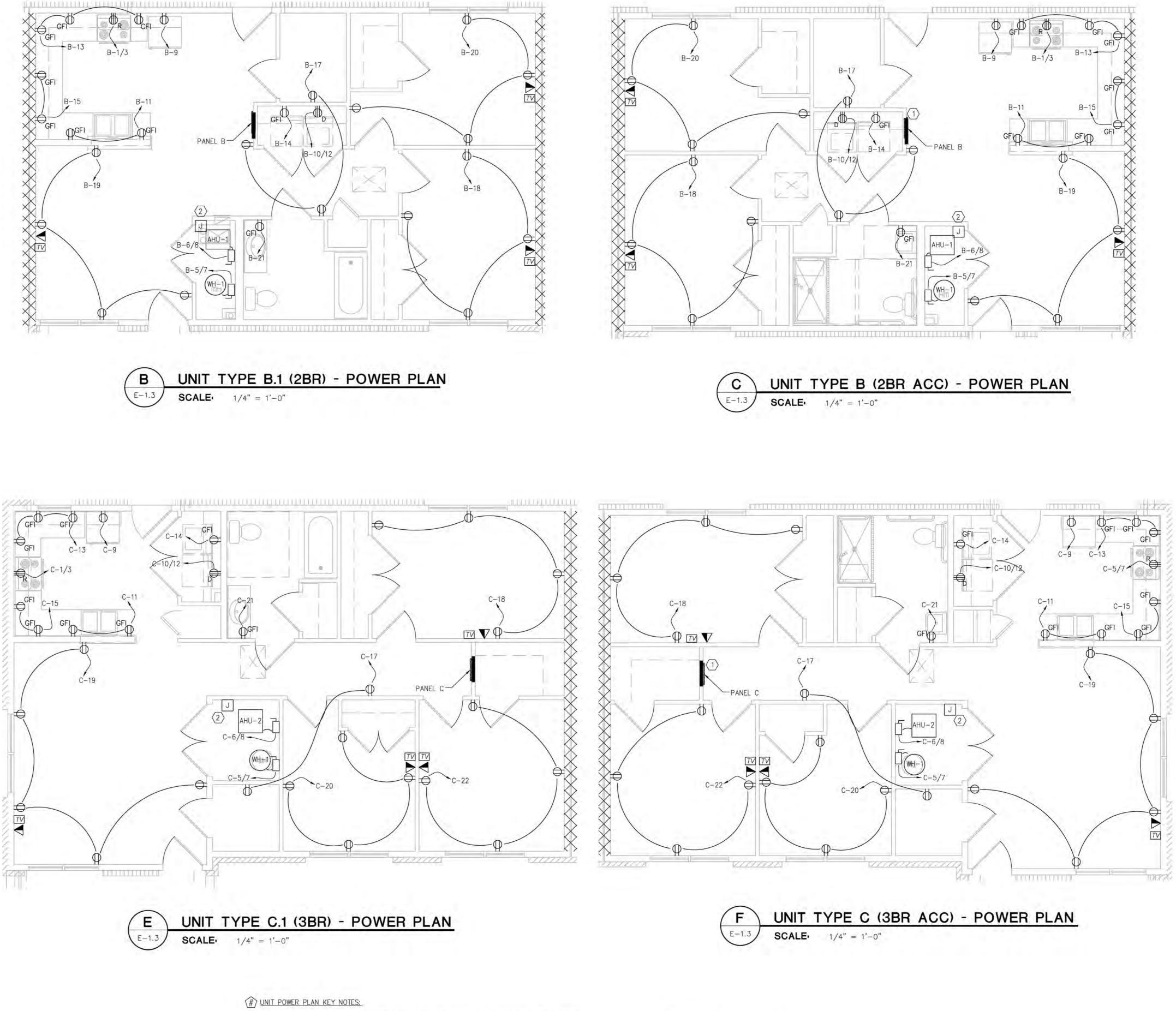


PROJECT NUMBER 2023-1033 DRAWN BY: CLD











1. ELECTRICAL PANELS IN ACCESSIBLE UNITS SHALL BE MOUNTED 48" A.F.F. TO TOP BREAKER.

PROVIDE POWER TO FRESH AIR VENTILATION SYSTEM FROM LOCAL CIRCUIT. DAMPER SHALL BE NORMALLY CLOSED AND SHALL BE OPENED WHEN ASSOCIATED AHU IS OPERATING. UTILIZE OPTIONAL DRY CONTACTS ON AHU AND/OR THERMOSTAT. CONTRACTOR SHALL PROVIDE AND INSTALL RELAY, CONTROL WIRING, AND POWER AS REQUIRED.

