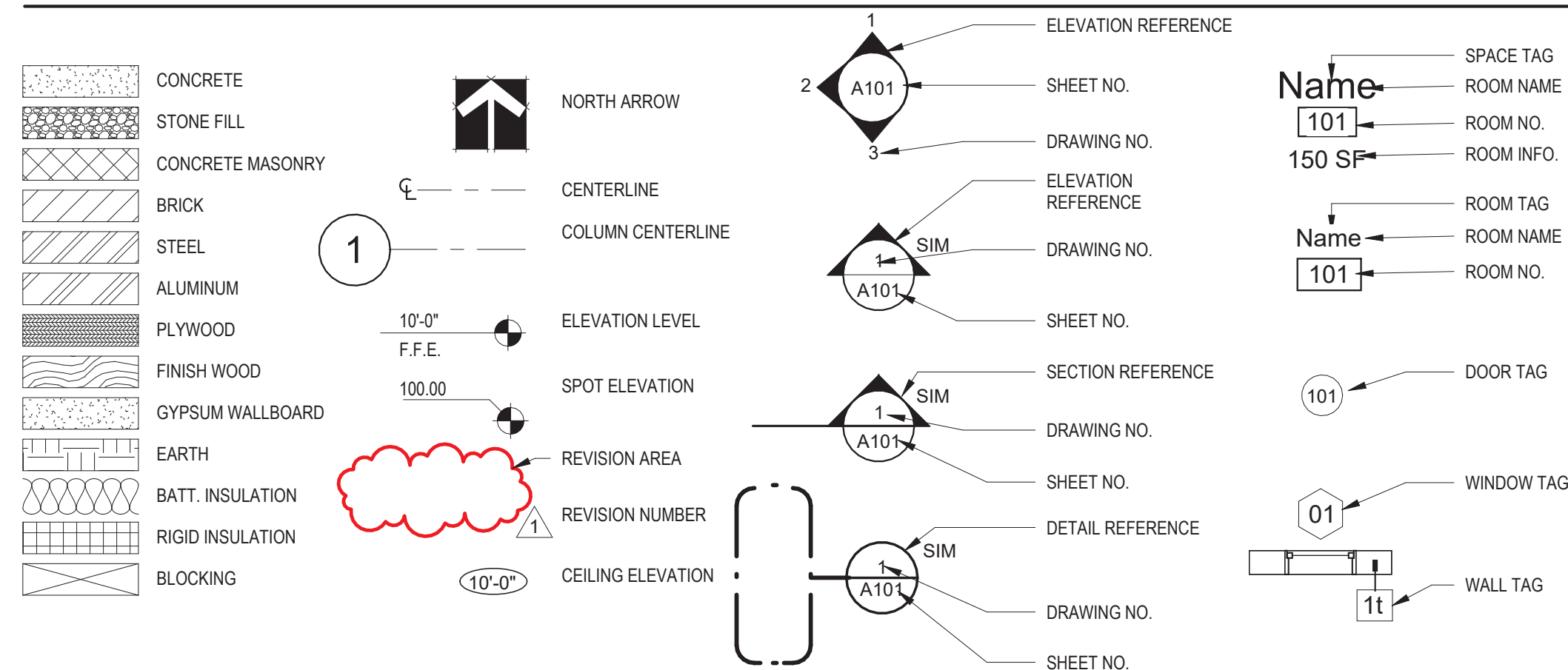


LEGEND



ABBREVIATIONS

|         |                          |          |   |          |                                 |         |                         |
|---------|--------------------------|----------|---|----------|---------------------------------|---------|-------------------------|
| A.B.    | ANCHOR BOLT              | E        | EAST                                    | INT.     | INTERIOR                        | REQD.   | REQUIRED                |
| ACOUSY  | ACOUSTICAL               | EA       | EASH                                    | J.B.     | JOIST BEARING                   | RESL.   | RESILIENT               |
| ACT     | ACOUSTICAL CEILING TILE  | E.B.     | EXPANSION BOLT                          | J.       | JOINT                           | REV.    | REVISION                |
| A.F.F.  | ABOVE FINISH FLOOR       | E.I.F.S. | EXTERIOR INSULATION FINISH SYSTEM       | LAM.     | LAMINATED                       | RM      | ROOM                    |
| ALUM    | ALUMINUM                 | E.J.     | EXPANSION JOINT                         | L.F.     | LINEAR FEET                     | R.O.    | ROUGH OPENING           |
| APPROX. | APPROXIMATELY            | EL.      | ELEVATION (FLOOR)                       | LG       | LONG LARGE                      | ROMTS.  | REQUIREMENTS            |
| ARCH.   | ARCHITECT, ARCHITECTURAL | ELEV.    | ELEVATION                               | LLH      | LONG LEG HORIZONTAL             | RTU     | ROOF TOP UNIT           |
| BD.     | BOARD                    | ELEC.    | ELECTRICAL                              | LLV      | LONG LEG VERTICAL               | R/WL    | RAIN WATER LEADER       |
| BLDNG.  | BUILDING                 | EQ.      | EQUAL                                   | L.P.     | LOW POINT                       | SCHED.  | SCHEDULE                |
| BLK.    | BLOCK                    | EQUIP.   | EQUIPMENT                               | MAS.     | MASONRY                         | S.F.    | SQUARE FEET             |
| BM.     | BEAM                     | EW.      | EACH WAY                                | MATL.    | MATERIAL                        | SHT.    | SHEET                   |
| B.O.S.  | BOTTOM OF STEEL          | EW.      | ELECTRIC WATER COOLER                   | MAX.     | MAXIMUM                         | SM.     | SMALL                   |
| BRC.    | MECHANICAL               | EXIST.   | EXISTING                                | MECH.    | MECHANICAL                      | S.M.S.  | SHEET METAL SCREW       |
| BS      | BOTH SIDES               | EXP.     | EXPOSED EXPANSION                       | MED.     | MEDIUM                          | SPECS   | SPECIFICATIONS          |
| BTM.    | BOTTOM                   | EXT.     | EXTERIOR                                | MFR.     | MANUFACTURER                    | SQ.     | SQUARE                  |
| BUR.    | BUILT-UP ROOF            | F.D.     | FLOOR DRAIN                             | MIN.     | MINIMUM                         | S.S.    | STAINLESS STEEL         |
| C.I.    | CAST IRON                | F.E.     | FIRE EXTINGUISHER                       | MISC.    | MISCELLANEOUS                   | STD.    | STANDARD                |
| C.J.    | CONTROL JOINT            | F.F.E.   | FINISH FLOOR ELEVATION                  | M.O.     | MASONRY OPENING                 | STL.    | STEEL                   |
| C.T.    | CERAMIC TILE             | FD.      | FACE OF                                 | M.R.     | MOISTURE-RESISTANT              | STOR.   | STORAGE                 |
| CAB.    | CABINET                  | FIN.     | FINISH                                  | M.R.G.B. | MOISTURE-RESISTANT GYPSUM BOARD | STRUCT. | STRUCTURAL              |
| CEM.    | CEMENTITIOUS             | FL.FLR.  | FLOOR                                   | MTD.     | MOUNTED                         | SUSP.   | SUSPENDED               |
| CG      | CORNER GUARD             | FLUOR.   | FLUORESCENT                             | MTL.     | METAL                           | T       | TREAD                   |
| CLR.    | CLEAR                    | FN.      | FOUNDATION                              | N        | NORTH                           | T/B     | TOP & BOTTOM            |
| CNG.    | CILING                   | F.S.     | FLOOR SINK                              | N.G.     | NOT IN CONTRACT                 | TEL.    | TELEPHONE               |
| CMU.    | CONCRETE MASONRY UNIT    | FTG.     | FOOTING                                 | NO. #    | NUMBER                          | TO      | TOP OF                  |
| CO      | CLEAN OUT                | G.C.     | GENERAL CONTRACTOR                      | NTS      | NOT TO SCALE                    | T.O.M.  | TOP OF MASONRY          |
| COL.    | COLUMN                   | GA.      | GAUGE                                   | O.A.     | OVERALL                         | T.O.S.  | TOP OF STEEL            |
| CONC.   | CONCRETE                 | GALV.    | GALVANIZED                              | O.F.D.   | OVERFLOW DRAIN                  | TH      | THICKNESS               |
| CONST.  | CONSTRUCTION             | GEN.     | GENERAL                                 | OP.      | OPPOSITE                        | TRP.    | TYPICAL                 |
| CONT.   | CONTINUOUS               | GL.      | GLASS GLAZING                           | OP.      | OUT TO OUT                      | U.L.    | UNDERWRITERS LABORATORY |
| CONTR.  | CONTRACTOR               | GWB.     | GYPSUM WALLBOARD                        | O.C.     | ON CENTER                       | U.O.N.  | UNLESS OTHERWISE NOTED  |
| CPT.    | CARPET                   | GYP.     | GYPSUM                                  | O.D.     | OUTSIDE DIAMETER                | V       | VOLT                    |
| CR      | CARTRIDGE RAIL           | H        | HIGH                                    | OPNG.    | OPENING                         | VCT     | VINYL COMPOSITION TILE  |
| CSX.    | COUNTERSINK              | HB       | HOSE BIBB                               | OPP.     | OPPOSITE                        | VERT.   | VERTICAL                |
| D       | DEPTH                    | HC       | HANDICAPPED                             | P        | PART                            | W       | WEST, WIND, WASTE, WIRE |
| DBL.    | DOUBLE                   | HW       | HARDWARE                                | PC.      | PIECE                           | W       | WITH                    |
| DEMO.   | DEMOLITION               | HM       | HOLLOW METAL                            | PL.      | PLATE                           | W.C.    | WATER CLOSET            |
| DET.    | DETAIL                   | HORIZ.   | HORIZONTAL                              | PLAS.    | PLASTER, PLASTIC                | WD.     | WOOD                    |
| DI.     | DIAMETER                 | H.P.     | HIGH POINT                              | PLYWD.   | PLYWOOD                         | WT      | WEIGHT                  |
| DN.     | DOWN                     | HT.      | HEIGHT                                  | PTD.     | PAINTED                         | WR, WR  | WATER HEATER            |
| DM.     | DIMENSION                | HVAC     | HEATING, VENTILATION & AIR CONDITIONING | QUAN.    | QUANTITY                        | W       | WITHIN                  |
| D.O.    | DOOR OPENING             | I.D.     | INTERIOR DIAMETER                       | Q.T.     | QUARRY TILE                     | W/O     | WITHOUT                 |
| D.S.    | DOOR SWING               | INCL.    | INCLUDE                                 | R        | RADIUS, RISER                   | WWF     | WELDED WIRE FABRIC      |
| DWG.    | DRAWING                  | INSUL.   | INSULATION                              | R.D.     | ROOF DRAIN                      | X       | EXISTING TO REMAIN      |
|         |                          |          |   | RENF.    | REINFORCING                     | XTR     | EXISTING TO BE REMOVED  |

GENERAL NOTES

- GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND IN THE PLANS, DETAILS AND/OR SPECIFICATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL BEAR RESPONSIBILITY FOR VERIFYING COMPLIANCE OF SHOP DRAWINGS WITH THE CONTRACT DOCUMENTS PRIOR TO ORDERING MATERIALS OR BEGINNING FABRICATION.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK INCLUDED IN THE CONTRACT DOCUMENTS. ALL CORRESPONDENCE FROM THE SUBCONTRACTORS SHALL BE THROUGH THE GENERAL CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES AND STATUTES, WHETHER SPECIFICALLY REFERENCED BY THE PLANS OR NOT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND SECURING REQUIRED INSPECTIONS.
- BUILDING SIGNAGE IS TO BE PROVIDED UNDER SEPARATE CONTRACT BY OTHERS.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SIGNAGE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (A.D.A.), ICC/ANSI A117.1-2009, AND THE LATEST EDITION OF THE NORTH CAROLINA BUILDING CODE.
- ALL MATERIALS ARE TO BE NEW UNLESS OTHERWISE NOTED.
- ANY DEFECTIVE WORK AND ANY DAMAGE RESULTING THEREFROM SHALL BE REPAIRED AT NO COST TO THE OWNER.
- ALTHOUGH THESE DRAWINGS ARE DRAWN TO SCALE, NO DIMENSIONS ARE TO BE DETERMINED BY SCALING THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- CONTRACTOR IS RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING OF ALL REFUSE FROM THE PROJECT.
- NO SMOKING WILL BE PERMITTED INSIDE THE PROJECT AREA.
- CONTRACTOR SHALL PROVIDE BLOCKING AS REQUIRED TO SUPPORT ALL CONTRACTOR-SUPPLIED AND OWNER-SUPPLIED WALL-HUNG EQUIPMENT OR CASEWORK. CONFIRM LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- THE ADJACENT SITE MAY BE OCCUPIED BY THE PUBLIC DURING CONSTRUCTION. THE G.C. SHALL TAKE ALL PRECAUTIONS NECESSARY TO SAFEGUARD THE HEALTH AND WELFARE OF THE PUBLIC. ALL REQUIRED MEANS OF EGRESS SHALL BE KEPT CLEAR AND ACCESSIBLE AT ALL TIMES.
- THE GENERAL CONTRACTOR SHALL THOROUGHLY REVIEW MANUFACTURER'S LITERATURE AND SHOP DRAWINGS FOR ALL FIXTURES AND/OR EQUIPMENT (WHETHER PROVIDED BY THE OWNER, TENANT OR CONTRACTOR) PRIOR TO ROUGH-IN FOR UTILITIES. CONFIRM ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
- LABEL ALL FIRE-RATED WALLS ABOVE CEILING AS REQUIRED BY NC BUILDING CODE 2018, SECTION 703.7. SUGGESTED WORDING: "\_\_\_, HR RATED FIRE AND/OR SMOKE BARRIER. PROTECT ALL OPENINGS."
- G.C. SHALL PROVIDE KNOX BOX, IF REQUIRED BY LOCAL JURISDICTION.

SEPARATE CONTRACTS:

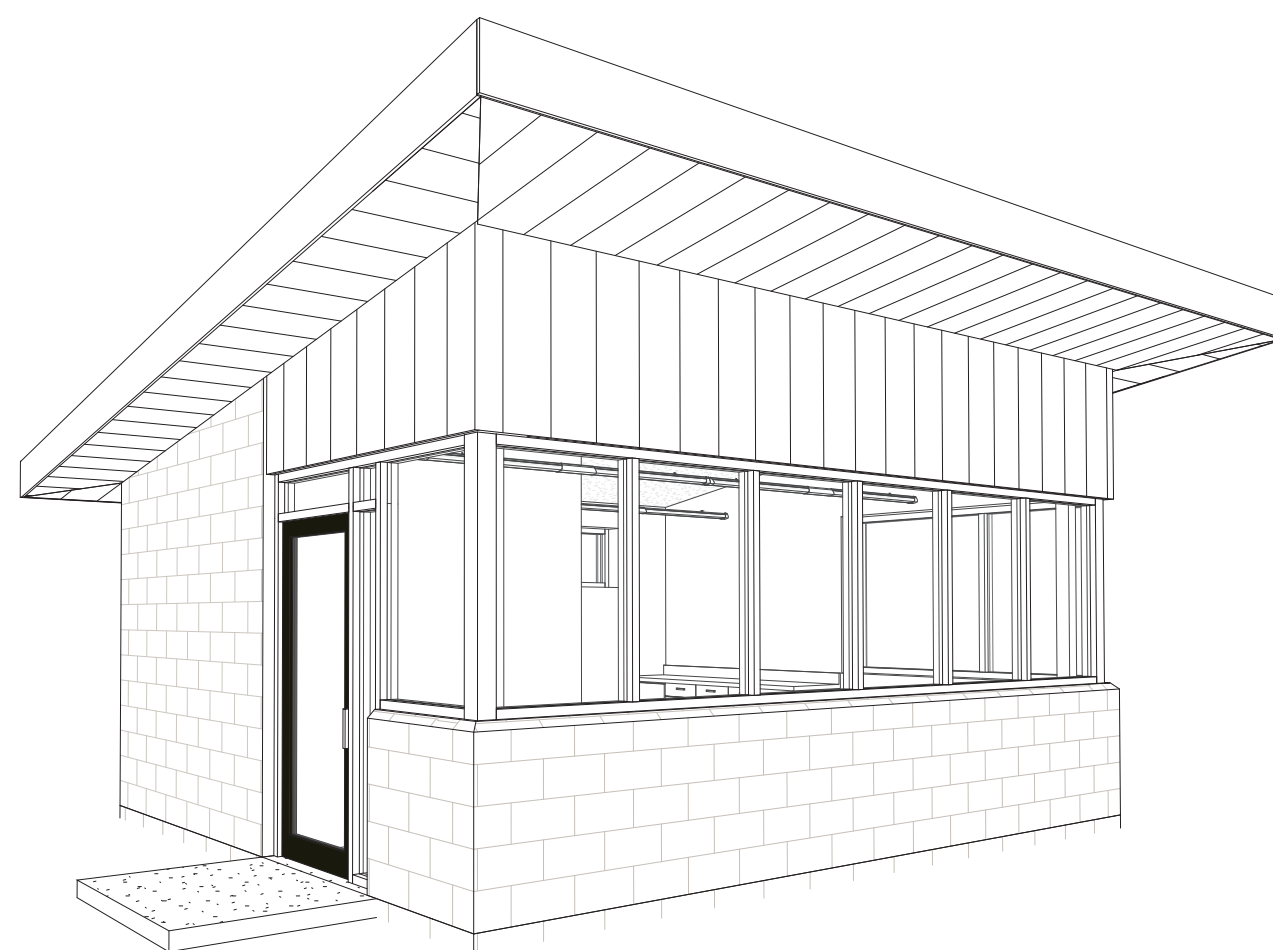
INCLUDING, BUT NOT LIMITED TO:

SECURITY AND TELECOMMUNICATIONS : THE OWNER SHALL CONTRACT WITH SEPARATE FIRMS TO PROVIDE SECURITY AND TELECOMMUNICATIONS EQUIPMENT AND INSTALLATION. GENERAL CONTRACTOR SHALL PROVIDE BOXES AND CONDUIT AS INDICATED IN THESE DRAWINGS.

# ATTENDANT BUILDING

# PARKTON SOLID WASTE CONVENIENCE CENTER

PARKTON RD. | PARKTON NC, NC 28371



ISSUED: 04/11/2025 FOR CONSTRUCTION

INDEX OF DRAWINGS

| Sheet #                             | DESCRIPTION                                    | SHEET DATE | REVISION | REVISION DATE |
|-------------------------------------|--|------------|----------|---------------|
| <b>GENERAL</b>                      |  |            |          |               |
| G101                                | COVER SHEET                                    | 04/11/2025 |          |               |
| G102                                | BUILDING CODE SUMMARY                          | 04/11/2025 |          |               |
| <b>ARCHITECTURAL</b>                |  |            |          |               |
| A101                                | FLOOR PLAN                                     | 04/11/2025 |          |               |
| A201                                | ROOF & REFLECTED CEILING PLAN                  | 04/11/2025 |          |               |
| A301                                | EXTERIOR ELEVATIONS                            | 04/11/2025 |          |               |
| A401                                | WINDOW & DOOR SCHEDULE                         | 04/11/2025 |          |               |
| A501                                | INTERIOR ELEVATIONS                            | 04/11/2025 |          |               |
| A601                                | BUILDING SECTIONS                              | 04/11/2025 |          |               |
| A701                                | WALL SECTIONS                                  | 04/11/2025 |          |               |
| <b>ARCHITECTURAL SPECIFICATIONS</b> |  |            |          |               |
| AS-001                              | SPECIFICATIONS                                 | 04/11/2025 |          |               |
| AS-002                              | SPECIFICATIONS                                 | 04/11/2025 |          |               |
| <b>STRUCTURAL</b>                   |  |            |          |               |
| S101                                | FOUNDATION AND FRAMING PLANS                   | 04/02/2025 |          |               |
| S201                                | SECTIONS AND DETAILS                           | 04/02/2025 |          |               |
| <b>PLUMBING</b>                     |  |            |          |               |
| P101                                | PLUMBING PLAN                                  | 04/10/2025 |          |               |
| <b>MECHANICAL</b>                   |  |            |          |               |
| M101                                | MECHANICAL PLAN                                | 04/10/2025 |          |               |
| <b>ELECTRICAL</b>                   |  |            |          |               |
| E001                                | ELECTRICAL NOTES, LEGEND, DETAILS              | 04/11/2025 |          |               |
| E101                                | ELECTRICAL PLANS, POWER RISER, PANEL SCHEDULES | 04/11/2025 |          |               |
| E201                                | SITE PLAN                                      | 04/11/2025 |          |               |

**ARCHITECT:**  
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 WAKE FOREST NC, 27587  
 P: (919) 876-5331  
 eddie@gontramarchitecture.com

**STRUCTURAL ENGINEER:**

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 709 W. JONES ST.  
 RALEIGH NC, 27603  
 P: (919) 832-5680  
 brian@rosslinden.com

**PLUMBING, MECHANICAL AND ELECTRICAL ENGINEERS:**

**ATLANTEC ENGINEERS, P.A. now IMEG**  
 3221 BLUE RIDGE RD., SUITE 113  
 RALEIGH, NC 27612  
 P: (919) 571-1111  
 David.J.Whitney@imegcorp.com

**CIVIL ENGINEERING:**

**SMITH GARDNER, INC**  
 14 N. BOYLAN AVE  
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 P: (919) 828-0577



**GONTRAM ARCHITECTURE, INC.**

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ATTENDANT BUILDING  
 PARKTON SOLID WASTE  
 CONVENIENCE CENTER  
 PARKTON RD. | PARKTON NC, NC 28371

ISSUED: 04/11/2025 FOR CONSTRUCTION

| Rev. | Date | Description |
|------|------|-------------|
|      |      |             |
|      |      |             |
|      |      |             |
|      |      |             |

DRAWN BY: PJA  
 APPROVED: E.JG

PROJECT NO.: 24077  
 RECORD:

CONTENTS:  
 COVER SHEET

SHEET:  
**G101**

**BUILDING CODE SUMMARY**

**2018 APPENDIX B**  
**BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS**  
(EXCEPT FOR 1 AND 2- FAMILY DWELLINGS AND TOWNHOUSES)

NAME OF PROJECT: ATTENDANT BUILDING PARKTON CONVENIENCE CENTER  
ADDRESS: PARKTON ROAD, FAYETTEVILLE, NC ZIP CODE: 28306  
PROPOSED USE: ATTENDANT BUILDING  
OWNER OR AUTHORIZED AGENT: AMANDA BADER PHONE: (910) 321-6920 E-MAIL: abader@cumberland.nc.us  
OWNED BY:  CITY/COUNTY  PRIVATE  STATE  
CODE ENFORCEMENT JURISDICTION:  CITY, FAYETTEVILLE  COUNTY  STATE

CONTACT: EDMUND J. GONTRAM III, AIA GONTRAM ARCHITECTURE INC.  
DESIGNER: FIRM NAME LICENSE# TELEPHONE# E-MAIL  
ARCHITECT: GONTRAM ARCHITECTURE INC. EDMUND J. GONTRAM III, AIA 7177 (919) 876-5331 eddie@gontramarchitecture.com  
CIVIL: SMITH GARDNER JESSE C. LI 5489 (919) 638-6077 jesse@gontramarch.com  
ELECTRICAL: ATLANTIC ENGINEERS NEW/MEG DAVID J. WHITNEY 17382 (919) 851-1111 David.J.Whitney@megcorp.com  
FIRE ALARM: (NOT APPLICABLE) (NOT APPLICABLE)  
PLUMBING: ATLANTIC ENGINEERS NEW/MEG PATRICK J. MACCABE, PE 51195 (919) 571-1111 Patrick.J.Maccabe@megcorp.com  
MECHANICAL: ATLANTIC ENGINEERS NEW/MEG PATRICK J. MACCABE, PE 51195 (919) 571-1111 Patrick.J.Maccabe@megcorp.com  
SPRINK-STAMP: (NOT APPLICABLE) (NOT APPLICABLE)  
STRUCTURAL: BOSS LIMBES ENGINEERS BRIAN H. BOSS, PE 25539 (919) 832-6680 brian@bosslimb.com  
RET./WAL>5' H: (NOT APPLICABLE) (NOT APPLICABLE)  
OTHER: (NOT APPLICABLE) (NOT APPLICABLE)

2018 NC BUILDING CODE:  NEW BUILDING  ADDITION  RENOVATION  1st TIME INTERIOR COMPLETION  
 SHELL/CORE  PHASED CONSTRUCTION - SHELL/CORE  
2018 NC EXISTING BUILDING CODE:  PRESCRIPTIVE  REPAIR  CHAPTER 14  
 ALTERATION - LEVEL  HISTORIC PROPERTY  CHANGE OF USE  
CONSTRUCTED: (date) \_\_\_\_\_ CURRENT OCCUPANCY(S) (Ch.3) B \_\_\_\_\_  
RENOVATED: (date) \_\_\_\_\_ PROPOSED OCCUPANCY(S) (Ch.3) B \_\_\_\_\_  
OCCUPANCY CATEGORY (Table 1604.5): Current: II Proposed: II

**SCOPE OF WORK:**  
NEW CONSTRUCTION OF 326 SF ATTENDANT BUILDING FOR LANDFILL CONVENIENCE CENTER

**BASIC BUILDING DATA**  
CONSTRUCTION TYPE:  I-A  I-A  II-A  III-A  IV  V-A  
 I-B  II-B  III-B  V-B  
SPRINKLERS:  NO  PARTIAL  YES  NFPA 13  NFPA 13R  NFPA 13D  
STANDPIPES:  NO  YES CLASS:  I  II  III  WET  DRY  
FIRE DISTRICT:  NO  YES FLOOD HAZARD AREA:  NO  YES  
SPECIAL INSPECTIONS REQUIRED: NO

**GROSS BUILDING AREA TABLE**

| FLOOR     | EXISTING (SQ. FT.) | NEW (SQ. FT.) | SUB-TOTAL |
|-----------|--------------------|---------------|-----------|
| 4TH FLOOR |                    |               |           |
| 3RD FLOOR |                    |               |           |
| 2ND FLOOR |                    |               |           |
| 1ST FLOOR | 326                |               |           |
| BASEMENT  |                    |               |           |
| TOTAL     | 326                |               |           |

PROJECT AREA: 326 SF

**ALLOWABLE AREA**  
PRIMARY OCCUPANCY CLASSIFICATION(S):  
ASSEMBLY:  A-1  A-2  A-3  A-4  A-5  
BUSINESS   
EDUCATIONAL   
FACTORY:  F-1 Moderate  F-2 Low  
HIGH-HAZARD:  H-1 (Detonate)  H-2 (Deflagrate)  H-3 (Combust)  H-4 (Health)  H-5 (HPM)  
INSTITUTIONAL:  I-1 Condition  I  2  
 I-3 Condition  1  2  3  4  5  
 I-4  
MERCANTILE   
RESIDENTIAL:  R-1  R-2  R-3  R-4  
STORAGE:  S-1 Moderate  S-2 Low  High-Piled  
 Parking Garage  Open  Enclosed  Repair Garage  
UTILITY AND MISCELLANEOUS

ACCESSORY OCCUPANCY CLASSIFICATION(S): \_\_\_\_\_  
INCIDENTAL USES (TABLE 509): \_\_\_\_\_  
SPECIAL USES (CHAPTER 4 - List code sections): \_\_\_\_\_  
SPECIAL PROVISIONS (CHAPTER 5 - List code sections): \_\_\_\_\_  
MIXED OCCUPANCY:  NO  YES SEPARATION \_\_\_\_\_ Hr.  
EXCEPTION \_\_\_\_\_

NON-SEPARATED MIXED OCCUPANCY (508.3)  
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.  
 SEPARATED MIXED OCCUPANCY (508.4) - SEE BELOW FOR AREA CALCULATIONS  
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.  
 $\frac{\text{ACTUAL AREA OF OCCUPANCY A}}{\text{ALLOWABLE AREA OF OCCUPANCY A}} + \frac{\text{ACTUAL AREA OF OCCUPANCY B}}{\text{ALLOWABLE AREA OF OCCUPANCY B}} \leq 1$   
\_\_\_\_\_  
\_\_\_\_\_  
 $\leq 1$   
\_\_\_\_\_  
\_\_\_\_\_  
 $\leq 1$

| STORY NO. | DESCRIPTION AND USE | (A) BLDG AREA PER STORY (ACTUAL) | (B) TABLE 506.2 AREA | (C) AREA FOR FRONTAGE INCREASE <sup>1,2</sup> | (D) ALLOWABLE FLOOR AREA OR UNLIMITED <sup>1,3</sup> |
|-----------|---------------------|----------------------------------|----------------------|---|--|
| 1         | BUSINESS (B)        | 326                              | 23,000               |   | 23,000   |

<sup>1</sup> Frontage area increases from Section 506.3 are computed thus:  
a. Perimeter which fronts a public way or open space having 20 feet minimum width = \_\_\_\_\_ (F)  
b. Total Building Perimeter = \_\_\_\_\_ (P)  
c. Ratio (F/P) = \_\_\_\_\_ (F/P)  
d. W = Minimum width of public way = \_\_\_\_\_ (W)  
e. Percent of frontage increase  $I = 100(F/P - 0.25) \times W/30 = \_\_\_\_\_\%$   
<sup>2</sup> Unlimited area applicable under conditions of Section 507.  
<sup>3</sup> Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2)  
<sup>4</sup> The maximum area of open parking garages must comply with Table 406.5.4.  
<sup>5</sup> Frontage increase is based on the unobstructed area value in Table 506.2.

**ALLOWABLE HEIGHT**

| BUILDING HEIGHT IN FEET (TABLE 504.3)     | ALLOWABLE   | SHOWN ON PLANS | CODE REFERENCE <sup>1</sup> |
|---|-------------|----------------|-----------------------------|
| BUILDING HEIGHT IN STORIES ( TABLE 504.4) | H=40<br>S=2 | 12-9'<br>1     |                             |

<sup>1</sup> Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.  
<sup>2</sup> The maximum height of air traffic control towers must comply with Table 412.3.1.  
<sup>3</sup> The maximum height of open parking garages must comply with Table 406.5.4.

**FIRE PROTECTION REQUIREMENTS**

| BUILDING ELEMENT   | FIRE SEPARATION DISTANCE (FEET) | REO/D | RATING PROVIDED +/- REDUCTION | DETAIL # AND SHEET # | DESIGN # FOR RATED ASSEMBLY | DESIGN # FOR RATED PENETRATION | DESIGN # FOR RATED JOINTS |
|--|---------------------------------|-------|-------------------------------|----------------------|-----------------------------|--------------------------------|---------------------------|
| STRUCTURAL FRAME - INCLUDING COLUMNS, GIRDERS, AND TRUSSES |                                 | 0     |                               |                      |                             |                                |                           |
| BEARING WALLS  |                                 |       |                               |                      |                             |                                |                           |
| EXTERIOR   |                                 |       |                               |                      |                             |                                |                           |
| NORTH  | > 30 FT                         | 0     |                               |                      |                             |                                |                           |
| EAST   | > 30 FT                         | 0     |                               |                      |                             |                                |                           |
| WEST   | > 30 FT                         | 0     |                               |                      |                             |                                |                           |
| SOUTH  | > 30 FT                         | 0     |                               |                      |                             |                                |                           |
| INTERIOR   |                                 |       |                               |                      |                             |                                |                           |
| NONBEARING WALLS AND PARTITIONS                            |                                 |       |                               |                      |                             |                                |                           |
| EXTERIOR WALLS   |                                 |       |                               |                      |                             |                                |                           |
| NORTH  |                                 | 0     |                               |                      |                             |                                |                           |
| EAST   |                                 | 0     |                               |                      |                             |                                |                           |
| WEST   |                                 | 0     |                               |                      |                             |                                |                           |
| SOUTH  |                                 | 0     |                               |                      |                             |                                |                           |
| INTERIOR WALLS AND PARTITIONS                              |                                 |       |                               |                      |                             |                                |                           |
| FLOOR CONSTRUCTION - INCLUDING SUPPORTING BEAMS AND JOISTS |                                 | 0     |                               |                      |                             |                                |                           |
| FLOOR CEILING ASSEMBLY                                     |                                 | N/A   |                               |                      |                             |                                |                           |
| COLUMNS SUPPORTING FLOORS                                  |                                 | N/A   |                               |                      |                             |                                |                           |
| ROOF CONSTRUCTION - INCLUDING SUPPORTING BEAMS AND JOISTS  |                                 | 0     |                               |                      |                             |                                |                           |
| ROOF CEILING ASSEMBLY                                      |                                 | 0     |                               |                      |                             |                                |                           |
| COLUMNS SUPPORTING ROOF                                    |                                 | 0     |                               |                      |                             |                                |                           |
| SHAFT ENCLOSURES - EXIT                                    |                                 | N/A   |                               |                      |                             |                                |                           |
| SHAFTS ENCLOSURES - OTHER                                  |                                 | N/A   |                               |                      |                             |                                |                           |
| CORRIDOR SEPARATION  |                                 | N/A   |                               |                      |                             |                                |                           |
| OCCUPANCY FIRE BARRIER SEPARATION                          |                                 | N/A   |                               |                      |                             |                                |                           |
| PARTY FIREWALL SEPARATION                                  |                                 | N/A   |                               |                      |                             |                                |                           |
| SMOKE BARRIER SEPARATION                                   |                                 | N/A   |                               |                      |                             |                                |                           |
| SMOKE PARTITION  |                                 | N/A   |                               |                      |                             |                                |                           |
| TENANT DWELLING UNIT/ SLEEPING UNIT SEPARATION             |                                 | N/A   |                               |                      |                             |                                |                           |
| INCIDENTAL USE SEPARATION                                  |                                 | N/A   |                               |                      |                             |                                |                           |

\* INDICATE SECTION NUMBER PERMITTING REDUCTION.

**PERCENTAGE OF WALL OPENINGS CALCULATIONS**

| FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES | DEGREE OF OPENINGS PROTECTION (TABLE 705.8) | ALLOWABLE AREA (%) | ACTUAL SHOWN ON PLANS (%) |
|---|---|--------------------|---------------------------|
| ALL EXT. WALLS ARE > 30 FT                          | UP, NS                                      | NO LIMIT           |                           |

**LIFE SAFETY SYSTEM REQUIREMENTS**  
EMERGENCY LIGHTING:  NO  YES  
EXIT SIGNS:  NO  YES  
FIRE ALARM:  NO  YES  
SMOKE DETECTION SYSTEMS:  NO  YES  PARTIAL  
CARBON MONOXIDE DETECTION:  NO  YES

**LIFE SAFETY PLAN REQUIREMENTS**  
LIFE SAFETY PLAN SHEET #: G102  
 Fire and/or smoke rated wall locations (Chapter 7)  
 Assumed and real property line locations  
 Exterior wall opening area with respect to distance to assumed property lines (705.8)  
 Occupancy Use for each area as it relates to occupant load calculation. (Table 1004.1.2)  
 Occupant loads for each area  
 Exit sign locations (1013)  
 Exit access travel distances (1017)  
 Common paths of travel distances (1006.2.1 & 1006.3.2(1))  
 Dead end lengths (1020.4)  
 Clear exit widths for each exit door  
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)  
 Actual occupant load for each exit door  
 A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation.  
 Location of doors with panic hardware (1010.1.10)  
 Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)  
 Location of doors with electromagnetic egress locks (1010.1.9.8)  
 Location of doors equipped with hold-open devices  
 Location of emergency escape windows (1030)  
 The square footage of each fire area (202)  
 The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)  
 Note any code exceptions or table notes that may have been utilized regarding the items above.

**ACCESSIBLE DWELLING UNITS (SECTION 1107) (NOT APPLICABLE)**

| TOTAL UNITS | ACCESSIBLE UNITS REQUIRED | ACCESSIBLE UNITS PROVIDED | TYPE A UNITS REQUIRED | TYPE A UNITS PROVIDED | TYPE B UNITS REQUIRED | TYPE B UNITS PROVIDED | TOTAL ACCESSIBLE UNITS PROVIDED |
|-------------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------------|
|             |                           |                           |                       |                       |                       |                       |                                 |

**ACCESSIBILITY PARKING (SECTION 1106)**

| LOT OR PARKING AREA | TOTAL # OF PARKING SPACES |          | # OF ACCESSIBLE SPACES PROVIDED |             | TOTAL # ACCESSIBLE PROVIDED |
|---------------------|---------------------------|----------|---------------------------------|-------------|-----------------------------|
|                     | REQUIRED                  | PROVIDED | 96" SPACES                      | 132" SPACES |                             |
|                     |                           | 3        |                                 | 1           | 1                           |
| TOTAL               |                           | 3        |                                 | 1           | 1                           |

**PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)**

| USE          | WATER CLOSETS |        |       | URINALS |        |       | LAVATORIES |        |       | SHOWERS/TUBS |         |            | DRINKING FOUNTAINS |            |
|--------------|---------------|--------|-------|---------|--------|-------|------------|--------|-------|--------------|---------|------------|--------------------|------------|
|              | MALE          | FEMALE | UNSEX | MALE    | FEMALE | UNSEX | MALE       | FEMALE | UNSEX | TUBS         | REGULAR | ACCESSIBLE | REGULAR            | ACCESSIBLE |
| EXISTING     |               |        |       |         |        |       |            |        |       |              |         |            |                    |            |
| NEW REQUIRED |               |        | 1*    |         |        |       |            |        | 1     |              |         |            | 0**                | 0**        |

\*NOTE: PER NPCC 403.2 EXCEPTION 2, SEPARATE FACILITIES SHALL NOT BE REQUIRED IN BUSINESS OCCUPANCIES WITH A TOTAL OCCUPANT LOAD, INCLUDING EMPLOYEES AND CUSTOMERS, OF 30 OR FEWER.  
\*\*NOTE: PER NPCC 410.2, DRINKING FOUNTAINS SHALL NOT BE REQUIRED FOR AN OCCUPANT LOAD OF 30 OR FEWER.

**SPECIAL APPROVALS**  
SPECIAL APPROVAL: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc. describe below)  
.(NOT APPLICABLE)

**ENERGY SUMMARY**  
ENERGY REQUIREMENTS:  
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design versus the annual energy cost for the proposed design.  
EXISTING BUILDING ENVELOPE COMPLIES WITH CODE:  NO  YES (the remainder of this section is not applicable)  
EXEMPT BUILDING:  NO  YES (provide code or statutory reference)  
CLIMATE ZONE:  3A  4A  5A  
METHOD OF COMPLIANCE:  
 ENERGY CODE - PERFORMANCE  ENERGY CODE - PRESCRIPTIVE  OTHER  
 ASHRAE 90.1 - PERFORMANCE  ASHRAE 90.1 - PRESCRIPTIVE  
If "other" specify source here \_\_\_\_\_

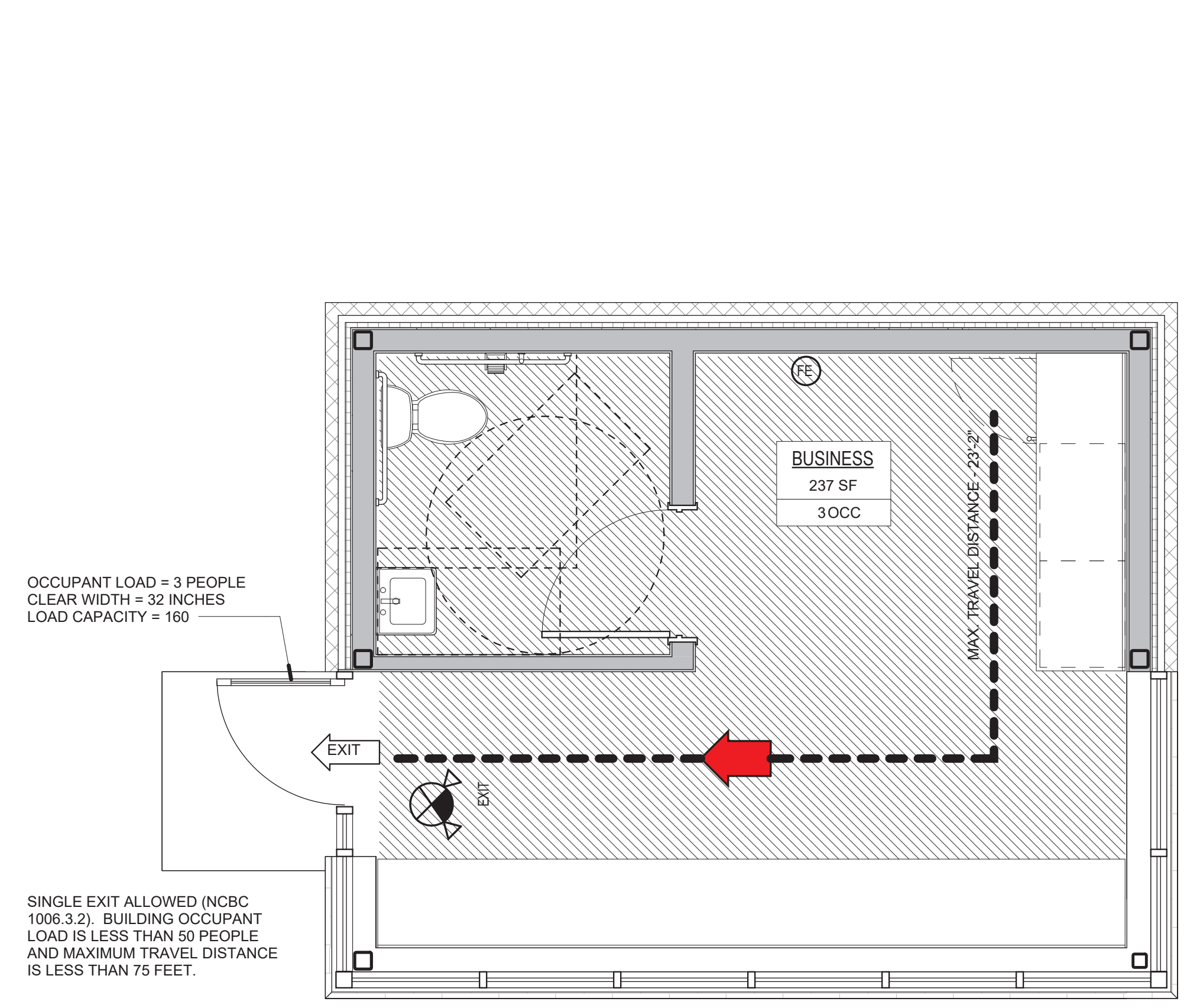
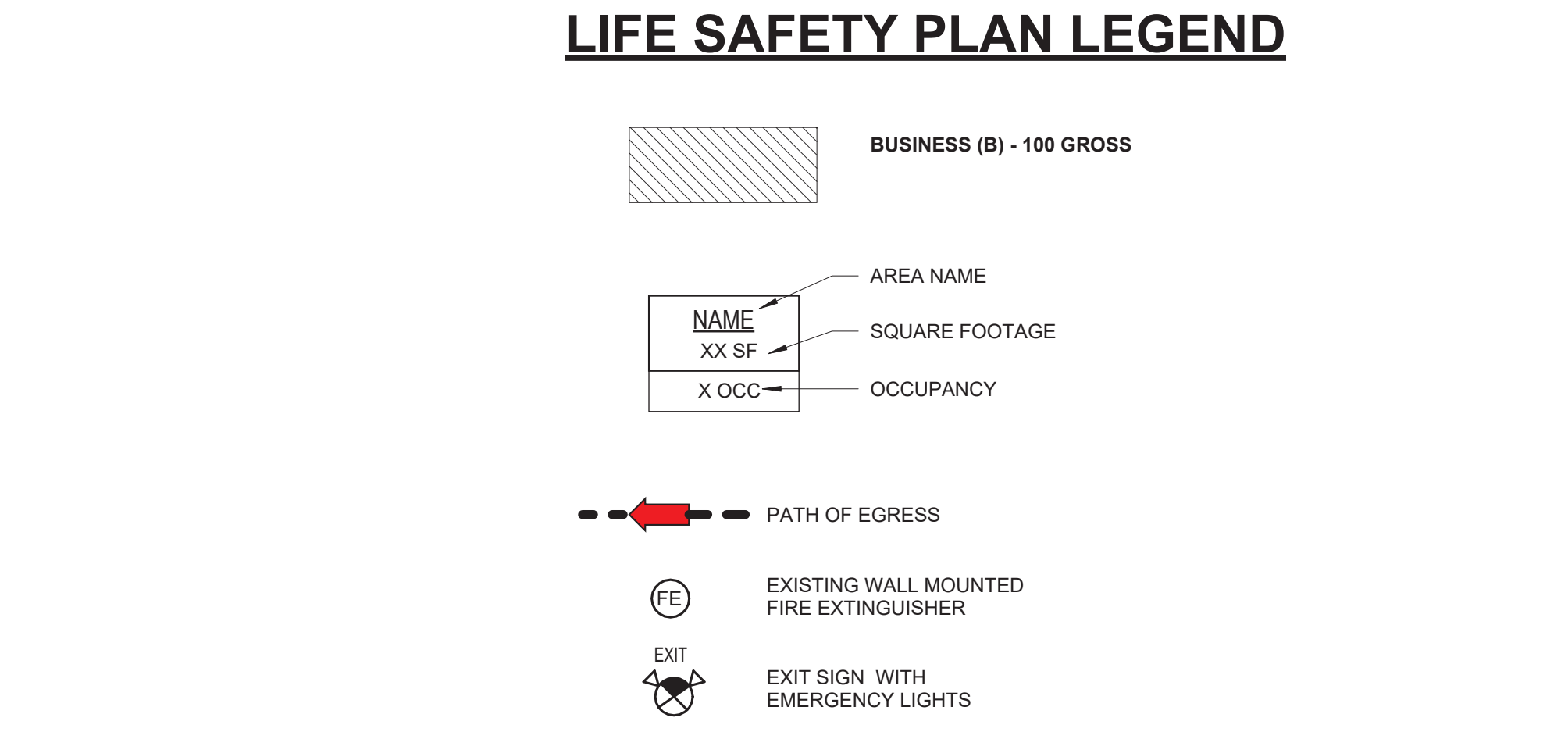
THEMAL ENVELOPE (Prescriptive method only)  
ROOF/CEILING ASSEMBLY (each assembly)  
DESCRIPTION OF ASSEMBLY: MEMBRANE ROOF OVER RIGID INSULATION OVER SHEATHING OVER METAL JOISTS FILLED WITH BATT INSULATION  
U-VALUE OF TOTAL ASSEMBLY: U = 0.028  
R-VALUE OF INSULATION: BATT INSULATION = R-25 RIGID INSULATION = R-10 ci  
SKYLIGHTS IN EACH ASSEMBLY:  
U-VALUE OF SKYLIGHT: \_\_\_\_\_  
TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY: \_\_\_\_\_  
EXTERIOR WALLS (each assembly)  
DESCRIPTION OF ASSEMBLY: CMU VENEER OR METAL PANEL, AIRSPACE, RIGID INSULATION, SHEATHING, METAL STUDS, BATT INSULATION, GYPSUM WALLBOARD  
U-VALUE OF TOTAL ASSEMBLY: U = 0.033  
R-VALUE OF INSULATION: BATT INSULATION = R-20 RIGID INSULATION = R-7.5 ci  
OPENINGS (windows or doors with glazing)  
U-VALUE OF ASSEMBLY: U-VALUE = 0.45  
SOLAR HEAT GAIN COEFFICIENT: SHGC = .33  
PROTECTION FACTOR: PF = 0.20  
DOOR R-VALUES: U-VALUE = .77  
WALLS BELOW GRADE (each assembly)  
DESCRIPTION OF ASSEMBLY: N/A  
U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
R-VALUE OF INSULATION: \_\_\_\_\_  
FLOORS OVER UNCONDITIONED SPACE (each assembly)  
DESCRIPTION OF ASSEMBLY: N/A  
U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
R-VALUE OF INSULATION: R-17.5  
HORIZONTAL/VERTICAL REQUIREMENT: UNHEATED  
FLOORS SLAB ON GRADE (each assembly)  
DESCRIPTION OF ASSEMBLY: 4" THICK, 3000 PSI, UNHEATED  
U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
R-VALUE OF INSULATION: \_\_\_\_\_

**STRUCTURAL DESIGN**  
DESIGN LOADS:  
IMPORTANCE FACTORS: SNOW (ls) \_\_\_\_\_ SEISMIC (I) \_\_\_\_\_  
LIVE LOADS: ROOF 20 PSF, MEZZANINE n/a PSF, FLOOR 100 PSF  
GROUND SNOW LOAD: 10 PSF  
WIND LOAD: BASIC WIND SPEED 122 MPH (ASCE-7), EXPOSURE CATEGORY \_\_\_\_\_

SEISMIC DESIGN CATEGORY:  A  B  C  D  
Provide the following Seismic Design Parameters:  
Risk Category (Table 1604.5)  I  II  III  IV  
Spectral Response Acceleration  $S_s = 0.241 \%$   $S_1 = 0.103 \%$   
Site Classification (ASCE 7)  A  B  C  D  E  F  
Data Source:  Field Test  Presumptive  Historical Data  
Basic Structural System:  Bearing Wall  Dual w/Special Moment Frame  Building Frame  Dual w/Intermediate R/C or Special Steel  Moment Frame  Inverted Pendulum  
Analysis Procedure:  Simplified  Equiv. Lateral Force  Dynamic  
Architectural, Mechanical, Components anchored?  Yes  No  
LATERAL DESIGN CONTROL:  Earthquake  Wind  
SOIL BEARING CAPACITIES:  
Field Test (provide copy of test report) 2,000 psf  
Presumptive Bearing Capacity \_\_\_\_\_ psf  
Pile size, type, and capacity \_\_\_\_\_

**ELECTRICAL SYSTEM AND EQUIPMENT**  
(SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ENERGY CODE CALCULATIONS.)

**MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT**  
(SEE MECHANICAL DRAWINGS FOR MECHANICAL ENERGY CODE CALCULATIONS.)



**1 LIFE SAFETY PLAN**  
3/8" = 1'-0"



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**ATTENDANT BUILDING  
PARKTON SOLID WASTE  
CONVENIENCE CENTER**  
PARKTON RD., PARKTON NC., NC 28371

ISSUED: 04/11/2025  
FOR CONSTRUCTION  
Rev. Date Description

DRAWN BY: PJA APPROVED: E.JG  
PROJECT NO.: 24077 RECORD:

CONTENTS: BUILDING CODE SUMMARY

SHEET: G102

| FINISH SCHEDULE |                |       |        |         |         |         |         |         |        |  |       |
|-----------------|----------------|-------|--------|---------|---------|---------|---------|---------|--------|--|-------|
| ROOM            |                | FLOOR |        | WALLS   |         |         |         | CEILING |        |  | NOTES |
| NUMBER          | NAME           | FLOOR | BASE   | NORTH   | EAST    | SOUTH   | WEST    | TYPE    | HEIGHT |  |       |
| 100             | ATTENDANT ROOM | VCT   | RUBBER | PTD GWB | PTD GWB | PTD GWB | PTD GWB | PTD GWB | SLOPED |  |       |
| 101             | RESTROOM       | VCT   | RUBBER | PTD GWB | PTD GWB | PTD GWB | PTD GWB | PTD GWB | SLOPED |  |       |

**NOTE:** NORTH, EAST, SOUTH AND WEST ARE BASED ON PLAN NORTH, EAST, SOUTH AND WEST.

**GENERAL FINISH NOTES:**

1. ALL NEW EXPOSED STRUCTURAL STEEL, MECHANICAL DUCTWORK, ELECTRICAL CONDUIT, ETC. IS TO BE PAINTED. COLOR TO BE CONFIRMED BY OWNER.
2. INTERIOR FINISHES SHALL NOT HAVE A FLAME SPREAD RATING EXCEEDING THAT ALLOWED FOR TYPE V-B CONSTRUCTION.
3. ALL FINISH MATERIALS TO BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS.
4. ALL FINISHES TO BE NEW UNLESS OTHERWISE NOTED.

**5. CONFIRM ALL FINISHES WITH OWNER, PRIOR TO CONSTRUCTION.**

**ABBREVIATIONS:**

|         |                        |
|---------|------------------------|
| VCT:    | VINYL COMPOSITION TILE |
| RUBBER: | 4" RUBBER BASE         |
| GWB:    | GYPSPUM WALLBOARD      |
| PTD:    | PAINT                  |

| TOILET ACCESSORY LEGEND |                                    |  |
|-------------------------|------------------------------------|--|
| MARK                    | DESCRIPTION                        | MODEL #                                  |
| T1                      | TOILET TISSUE DISPENSER            | BOBRICK B-6867                           |
| T2                      | 18" GRAB BAR (VERTICAL)            | BOBRICK B-6806.99 x 18                   |
| T3                      | 42" GRAB BAR (HORIZONTAL)          | BOBRICK B-6806.99 x 42                   |
| T4                      | 36" GRAB BAR (HORIZONTAL)          | BOBRICK B-6806.99 x 36                   |
| T5                      | MIRROR                             | BOBRICK B-165 2436                       |
| T6                      | WALL MOUNTED PAPER TOWEL DISPENSER | BOBRICK B-262                            |
| T7                      | COAT HOOK                          | BOBRICK B-542                            |
| T8                      | RESTROOM SIGNAGE                   | UNISEX/ACCESSIBLE, SEE DETAIL: 10 / A501 |
| T9                      | SOAP DISPENSER                     | BY TENANT                                |

**NOTES:**

1. ALL TOILET ACCESSORIES MODEL NUMBERS IN THIS SCHEDULE ARE BASED ON BOBRICK WASHROOM EQUIPMENT, INC. UNLESS NOTED OTHERWISE, AND SHALL COMPLY WITH ADA. ALL WALL MOUNTED ACCESSORIES SHALL NOT INTERFERE W/ REQUIRED CLEARANCES PER 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. EQUALS APPROVED BY TENANT/OWNER ARE ACCEPTABLE.
2. ACCESSORY MOUNTING HEIGHT TO BE ADJUSTED AS REQUIRED TO COORDINATE WITH PLUMBING FIXTURES.
3. INSTALL FIRE RETARDANT TREATED WOOD OR METAL STUD BLOCKING FOR ALL WALL MOUNTED TOILET ACCESSORIES

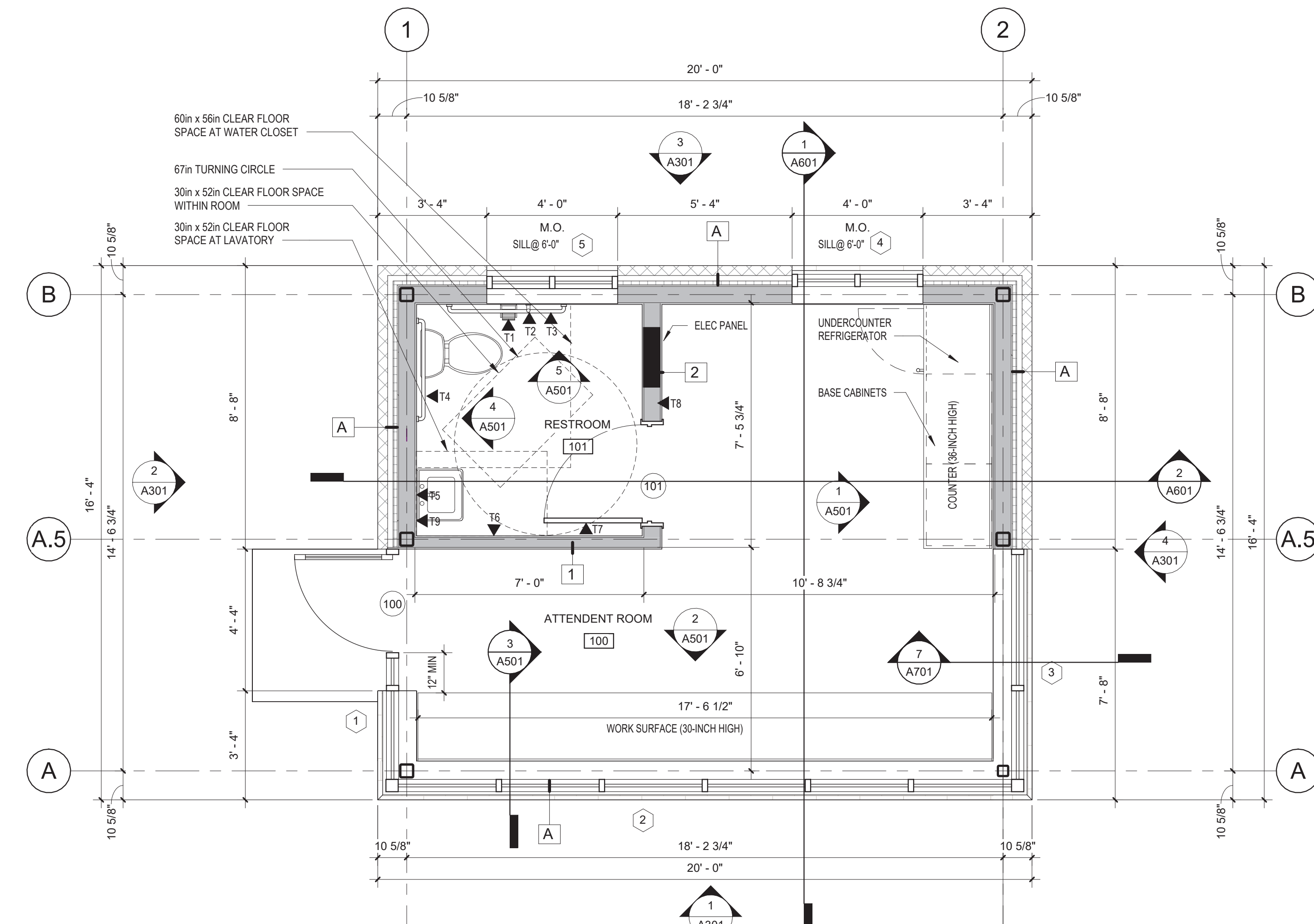
| INTERIOR PARTITION SCHEDULE |  |   |   |
|-----------------------------|--|---|---|
| 1                           |  | 3-5/8" 20 GA METAL STUDS<br>5/8" GWB EACH SIDE<br>SOUND BATT INSULATION | NEW UNRATED INTERIOR PARTITION: 1<br>3 5/8" 20 GA METAL STUDS AT 16" O.C. TO CEILING ABOVE, WITH ONE LAYER 5/8" GWB ON EACH SIDE.<br><br>FINISH AS SCHEDULED. PROVIDE SOUND BATT INSULATION<br><br>(R-11 UNFACED BATT INSULATION) |
| 2                           |  | 6" 20 GA METAL STUDS<br>5/8" GWB EACH SIDE<br>SOUND BATT INSULATION     | NEW UNRATED INTERIOR PARTITION: 1<br>6" 20 GA METAL STUDS AT 16" O.C. TO CEILING ABOVE, WITH ONE LAYER 5/8" GWB ON EACH SIDE.<br><br>FINISH AS SCHEDULED. PROVIDE SOUND BATT INSULATION<br><br>(R-11 UNFACED BATT INSULATION)     |

1. PARTITION TYPE #1 IS TYPICAL THROUGHOUT PROJECT, UNLESS OTHERWISE NOTED.
2. WHERE PARTITIONS OF VARIOUS THICKNESS MEET, MAINTAIN A FLUSH SURFACE ON THE SIDE WHERE FACES ARE STRAIGHT AND CONTINUOUS, UNLESS OTHERWISE NOTED.
3. PARTITIONS IN ALL TOILET ROOMS TO HAVE WATER RESISTANT TYPE "X" GYPSUM BOARD IN THICKNESS TO MATCH SCHEDULED.

| EXTERIOR WALL SCHEDULE |  |   |   |
|------------------------|--|---|---|
| A                      |  | 5/8" GWB<br>R-20 BATT INSUL.<br>6" 18 GA. METAL STUDS AT 16" O.C.<br>EXTERIOR SHEATHING<br>R-7.5 CONTINUOUS RIGID INSULATION<br>TYVEK AIR INFILTRATION BARRIER<br>2" AIRSPACE (MIN.)<br>4" CMU VENEER (MASONRY TIES AT 16" O.C. VERT. AND HORIZ.) | NEW UNRATED LOAD BEARING WALL: 1<br>6" 18 GA. METAL STUDS AT 16" O.C. TO JOIST ABOVE, R-20 BATT INSULATION, TYVEK AIR INFILTRATION BARRIER OVER EXTERIOR SHEATHING, R-7.5 RIGID INSULATION, 2" AIRSPACE, 4" CMU<br><br>NOTE: SEE SHEET A701 |

**PLAN NOTES:**

1. EXTERIOR DIMENSIONS SHOWN ARE FROM FACE OF WALL TO FACE OF WALL OR FROM COLUMN CENTERLINE TO COLUMN CENTERLINE.
2. INTERIOR DIMENSIONS SHOWN ARE FROM FACE OF NEW STUD/CENTERLINE TO FACE OF NEW STUD/CENTERLINE.
3. DIMENSIONS INDICATED AS "CLEAR" OR "CLR" ARE FROM FINISHED SURFACE TO FINISHED SURFACE.
4. DIMENSIONS INDICATED AS "MIN." OR "MINIMUM" ARE ABSOLUTE MINIMUM DIMENSIONS AND ARE NOT TO BE DECREASED. DIMENSIONS INDICATED AS "MAX." OR "MAXIMUM" ARE ABSOLUTE MAXIMUM DIMENSIONS AND ARE NOT TO BE INCREASED.
5. ALTHOUGH THESE DRAWINGS ARE DRAWN TO SCALE, NO DIMENSIONS ARE TO BE DETERMINED BY SCALING THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.



**1 FLOOR PLAN**  
3/8" = 1'-0"



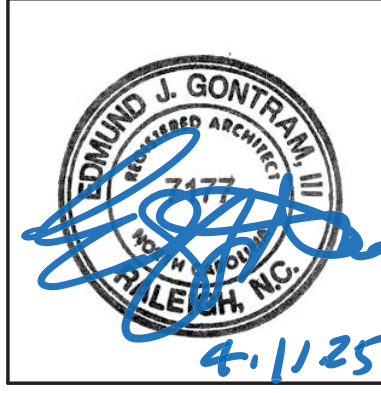
**GONTRAM ARCHITECTURE, INC.**

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**ATTENDANT BUILDING**  
**PARKTON SOLID WASTE**  
**CONVENIENCE CENTER**  
 PARKTON RD., PARKTON NC, NC 28371

ISSUED:  
04/11/2025  
FOR CONSTRUCTION

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DRAWN BY: PJA  
APPROVED: E.JG

PROJECT NO.: 24077  
RECORD:

CONTENTS:  
FLOOR PLAN

SHEET:  
**A101**



**GONTRAM ARCHITECTURE, INC.**

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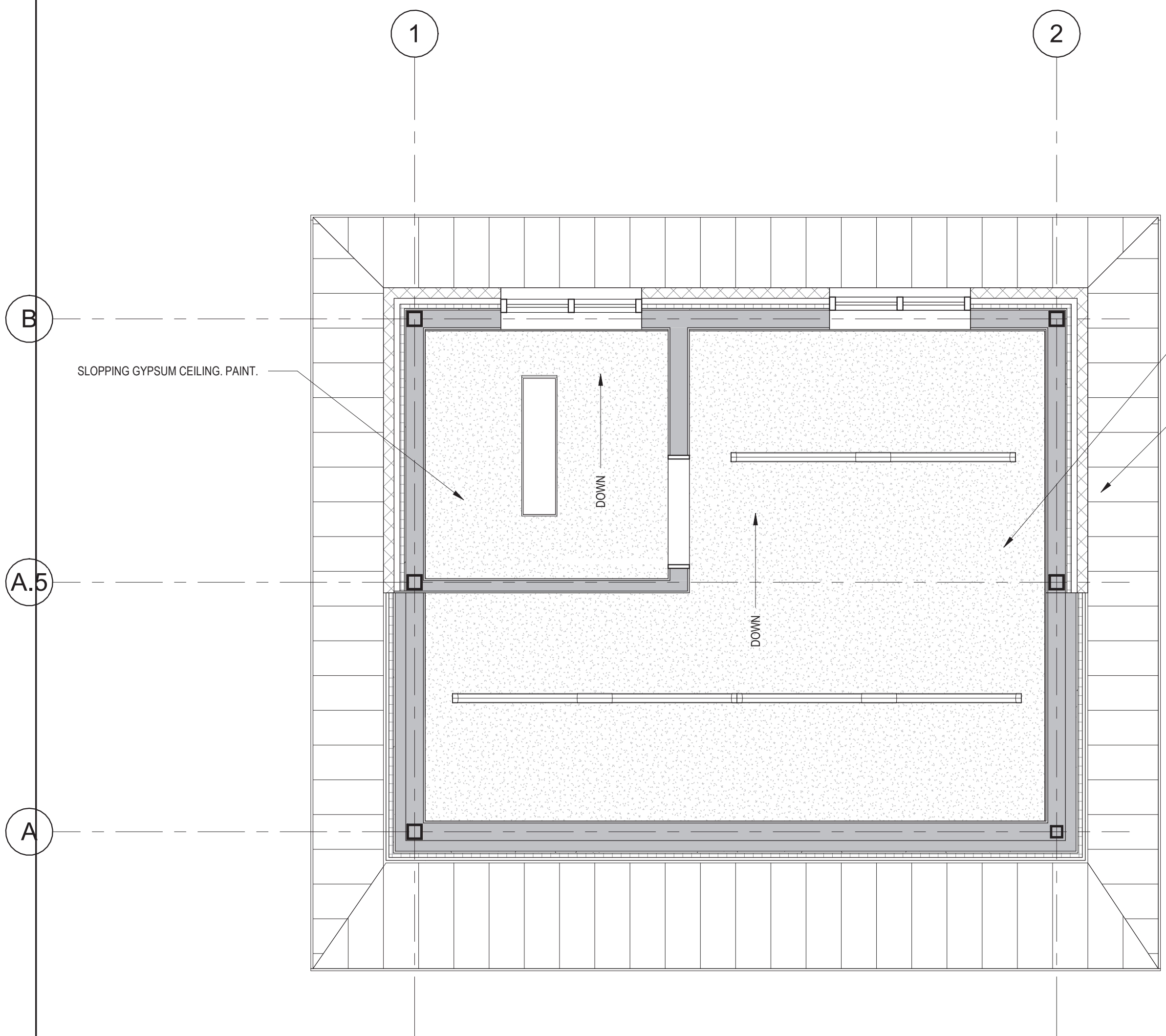


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PARKTON RD., PARKTON NC, NC 28371

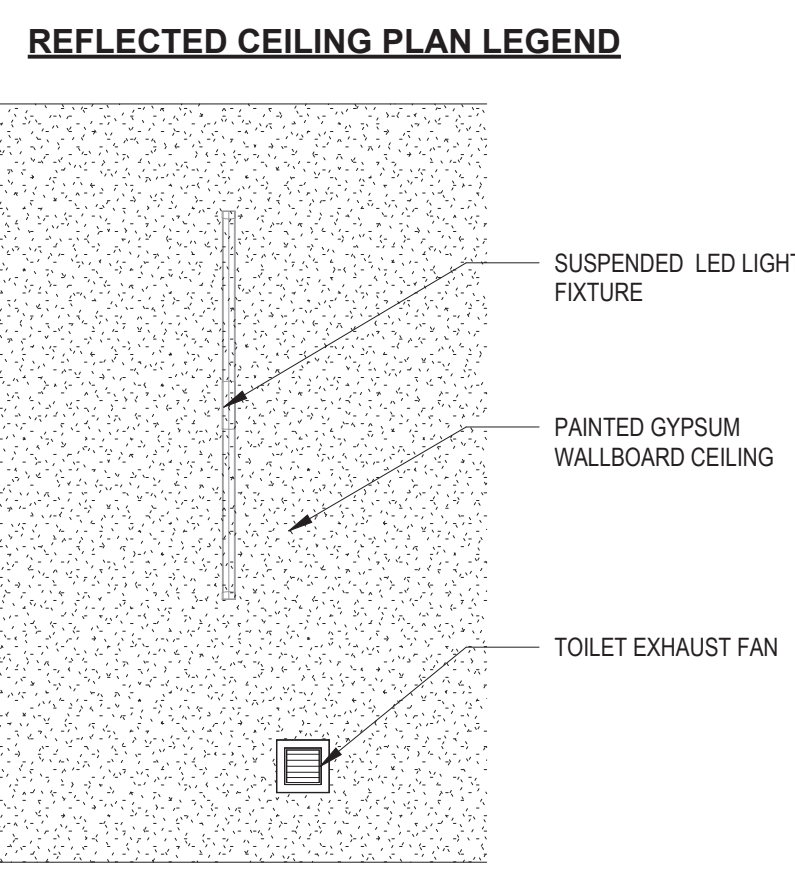
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DRAWN BY: PJA      APPROVED: E.J.G.  
PROJECT NO.: 24077      RECORD:  
CONTENTS:  
ROOF & REFLECTED  
CEILING PLAN

SHEET:  
**A201**

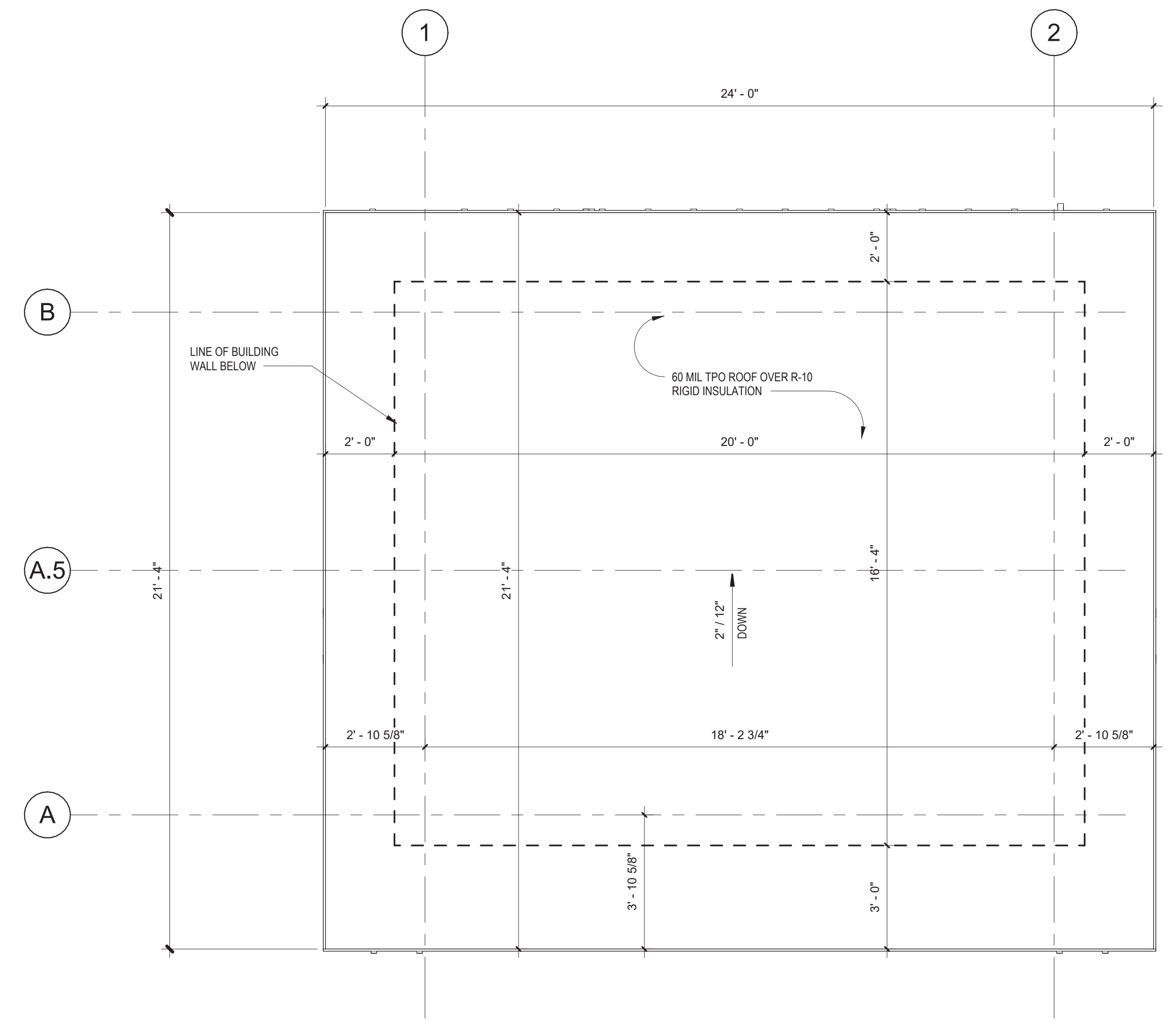


SLOPPING GYPSUM CEILING. PAINT.  
12 IN WIDE METAL SOFFIT PANELS



NOTE: ITEMS SHOWN IN CEILING PLAN ARE FOR GENERAL INFORMATION. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

**1 REFLECTED CEILING PLAN**  
3/8" = 1'-0"



**2 ROOF PLAN**  
3/8" = 1'-0"



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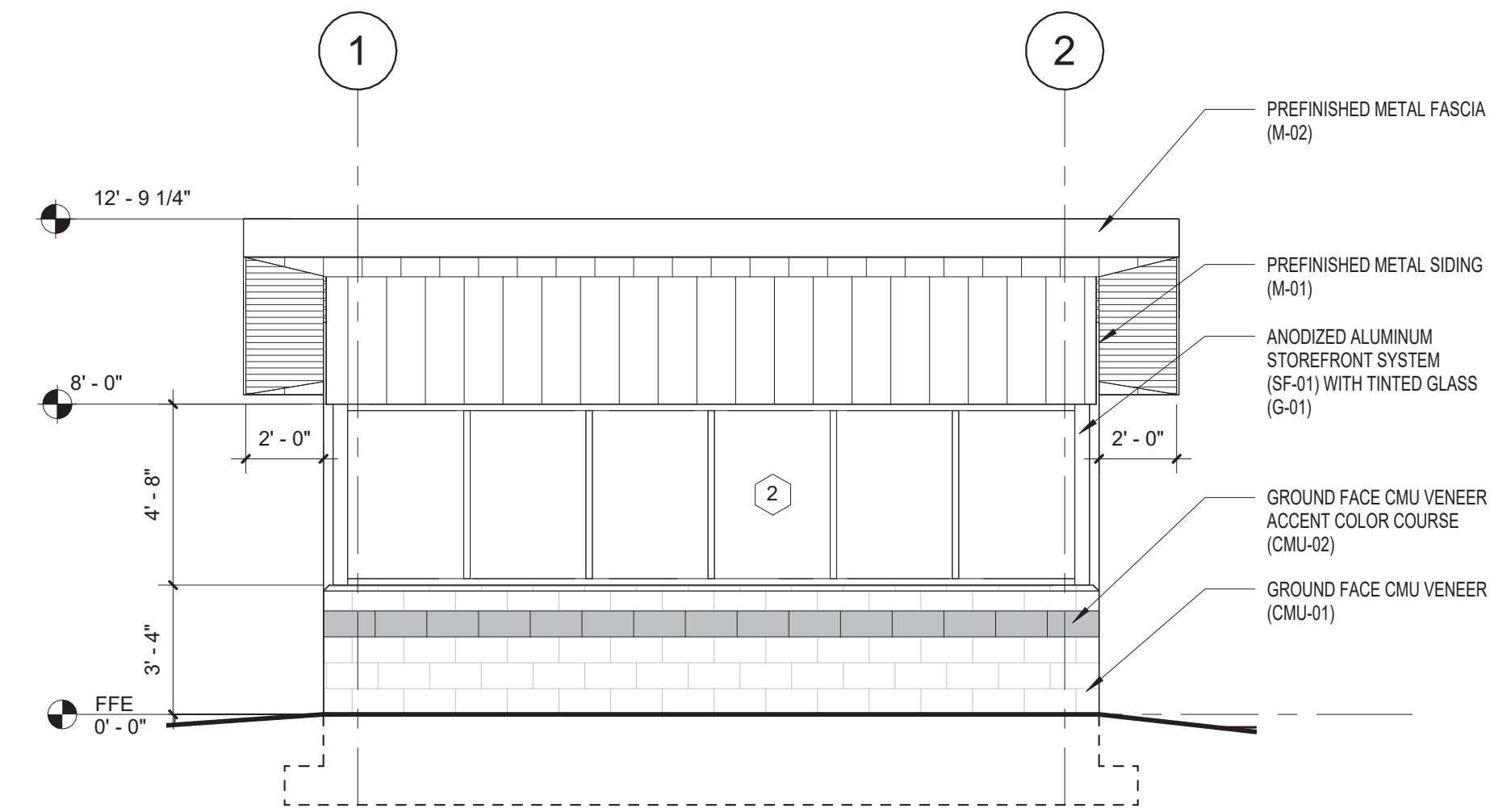
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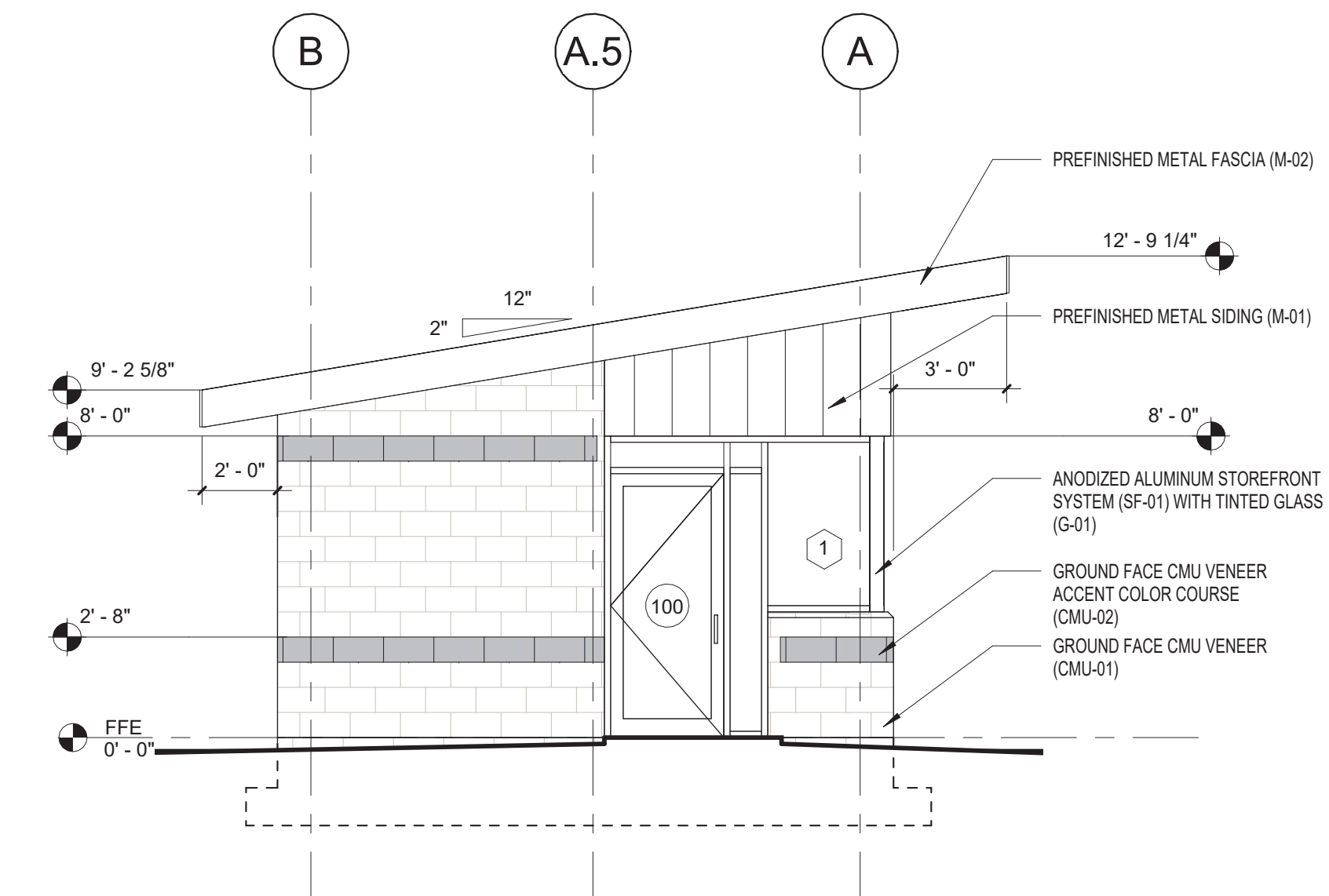
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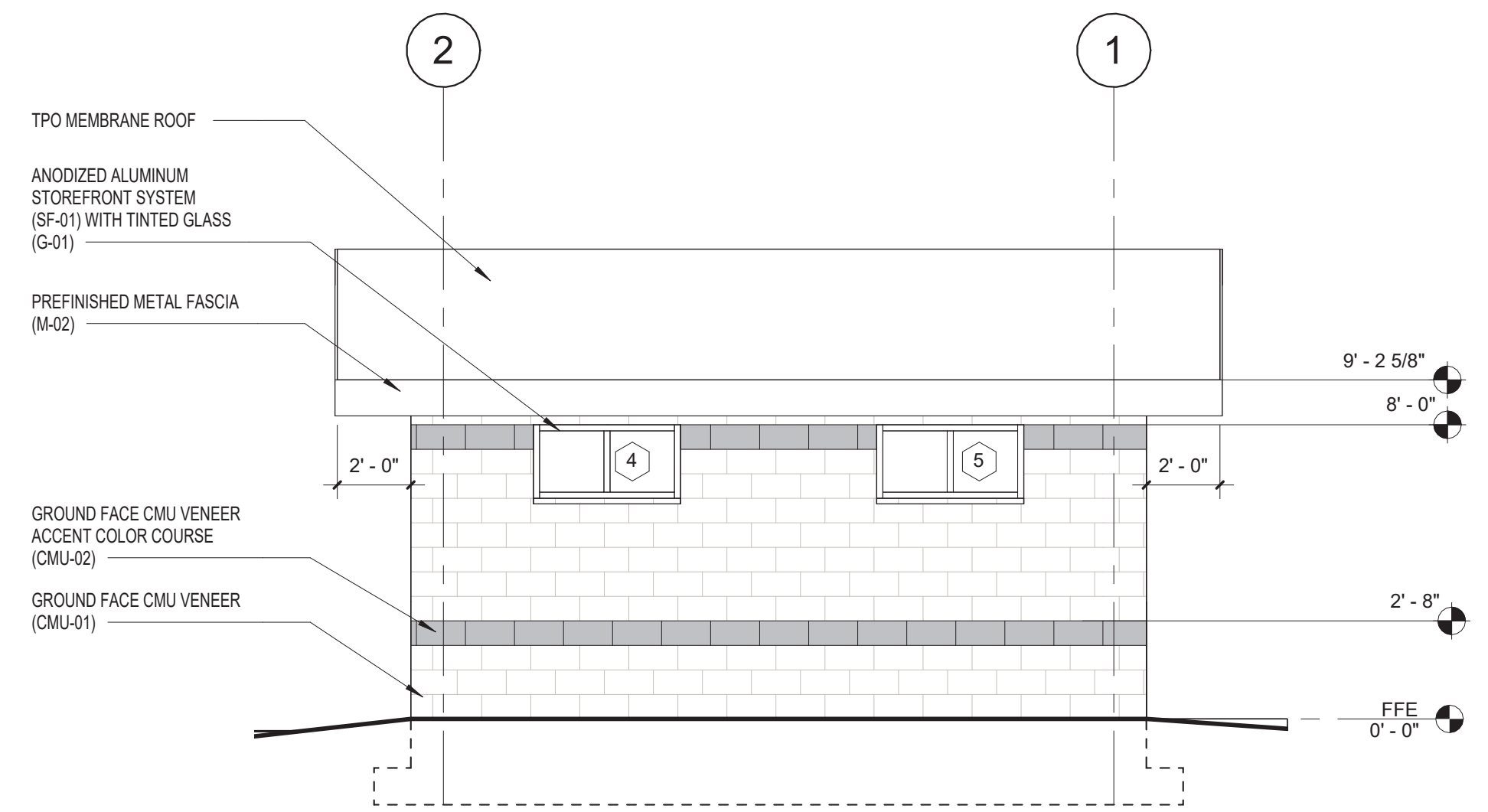
**ATTENDANT BUILDING  
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PARKTON RD., PARKTON NC, NC 28371



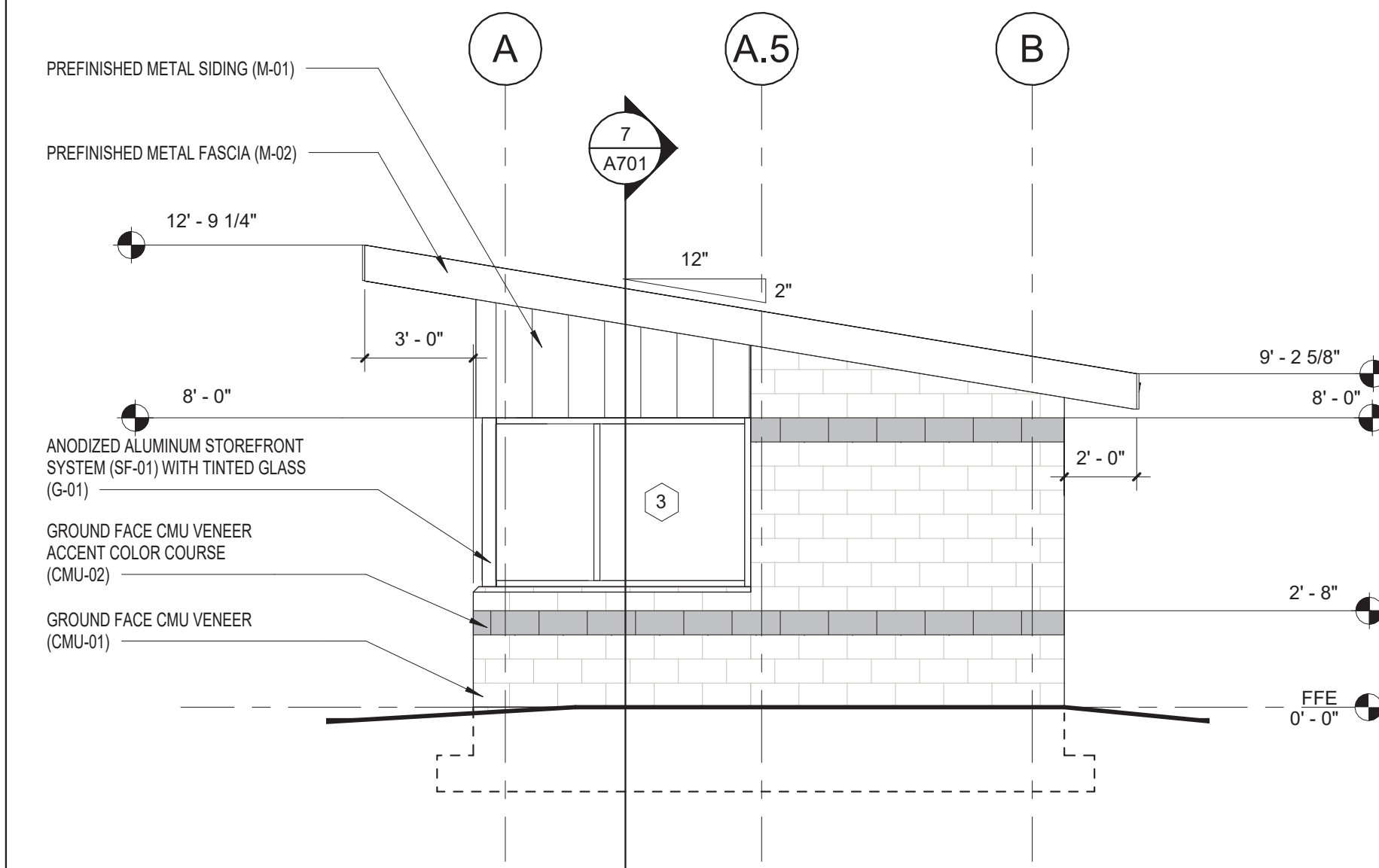
**1 ELEVATION - FRONT**  
1/4" = 1'-0"



**2 ELEVATION - LEFT**  
1/4" = 1'-0"



**3 ELEVATION - REAR**  
1/4" = 1'-0"



**4 ELEVATION - RIGHT**  
1/4" = 1'-0"

**EXTERIOR COLOR SCHEDULE:**

**GROUND FACED CMU VENEER (CMU-01):**  
MANUFACTURER: ADAMS AN OLDCASTLE COMPANY  
PRODUCT: TRENWYTH ARCHITECTURAL HIGH POLISHED MASONRY UNIT  
COLOR: 4107-HP

**GROUND FACED CMU VENEER ((CMU-02):**  
MANUFACTURER: ADAMS AN OLDCASTLE COMPANY  
PRODUCT: TRENWYTH ARCHITECTURAL HIGH POLISHED MASONRY UNIT  
COLOR: 4205-HP

**TINTED GLASS (G-01):**  
MANUFACTURER: VITRO  
PRODUCT: SOLARBAN  
COLOR: GRAY

**PREFINISHED METAL SIDING (M-01):**  
MANUFACTURER: AEP SPAN  
PRODUCT: FLUSH PANEL  
COLOR: DARK BRONZE

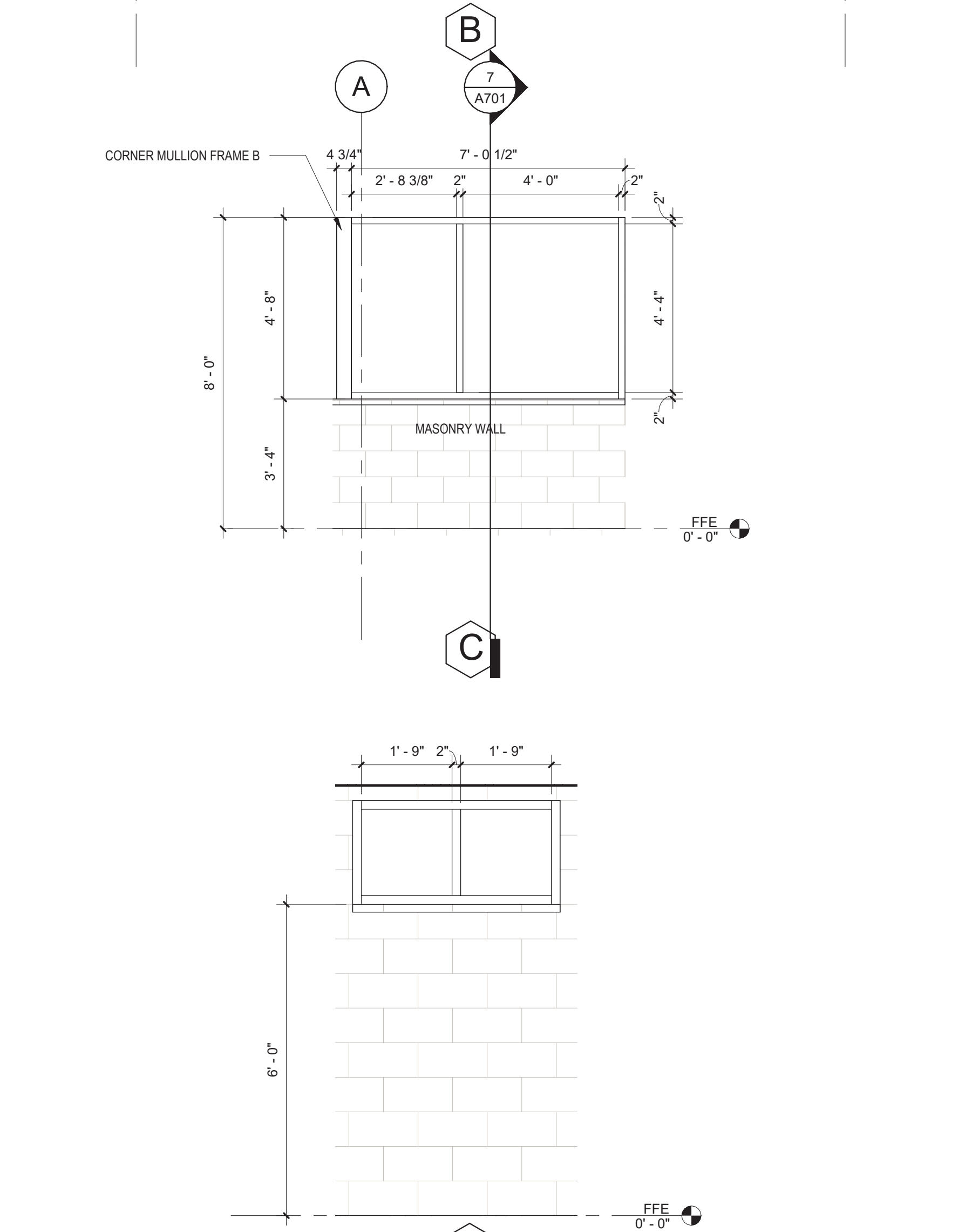
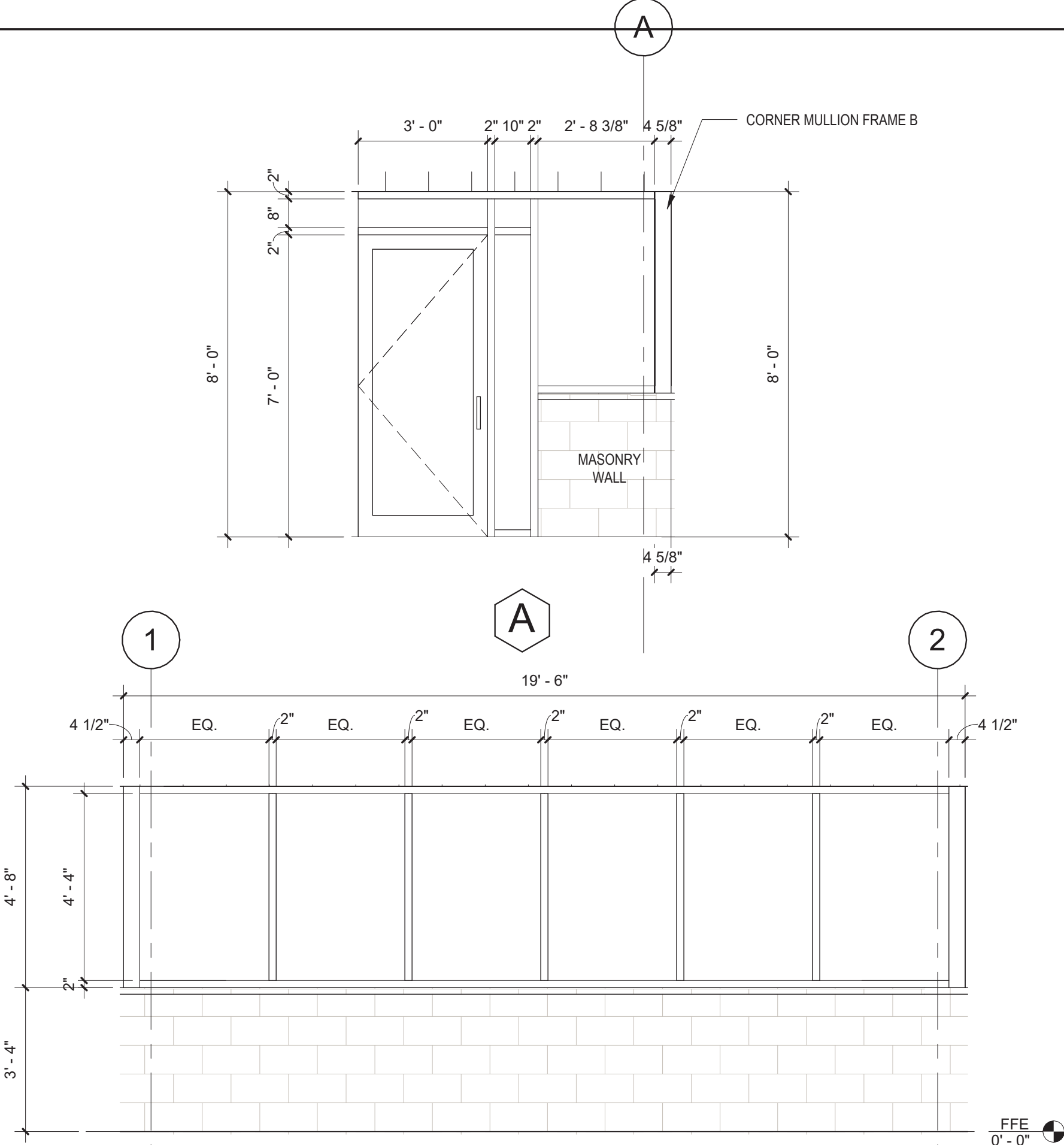
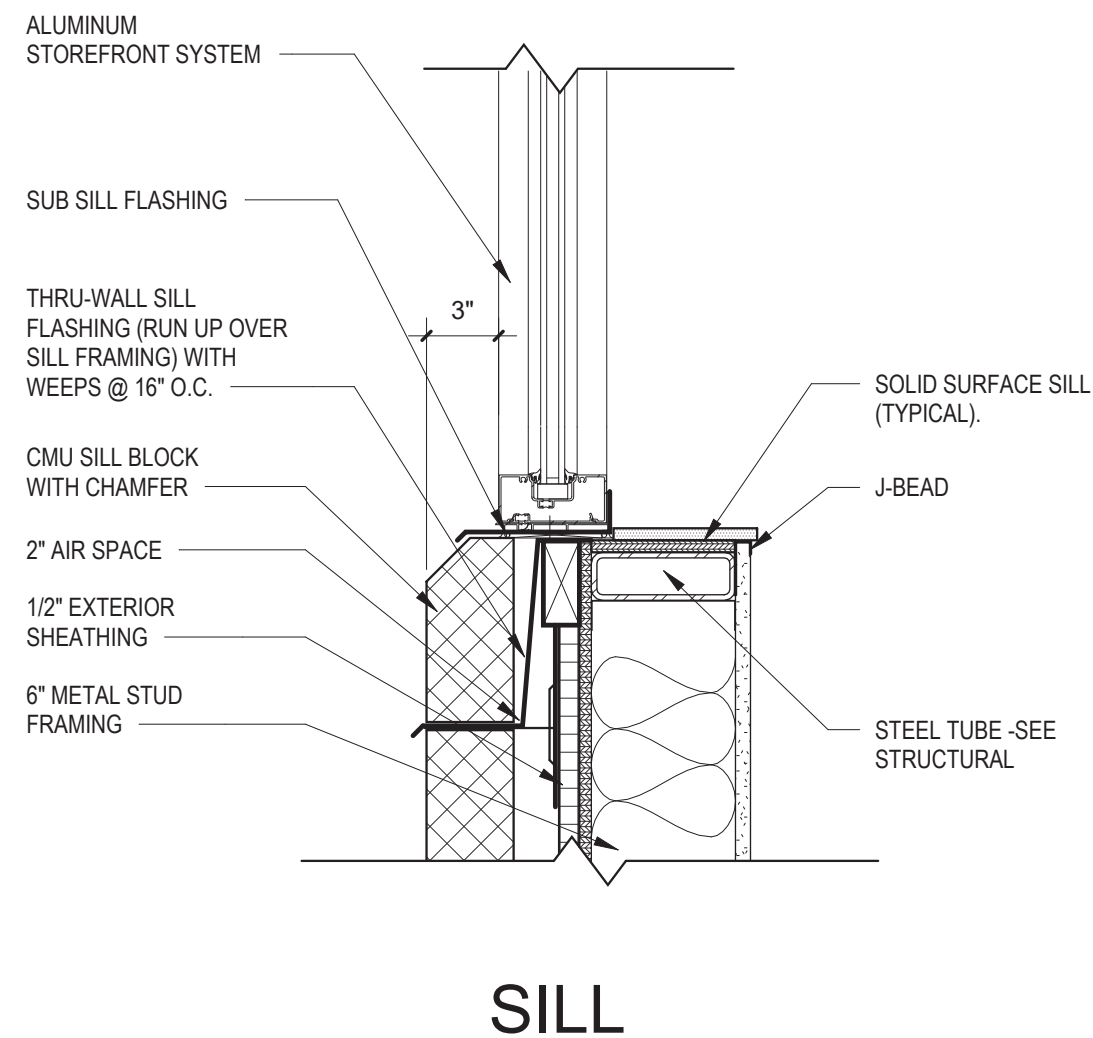
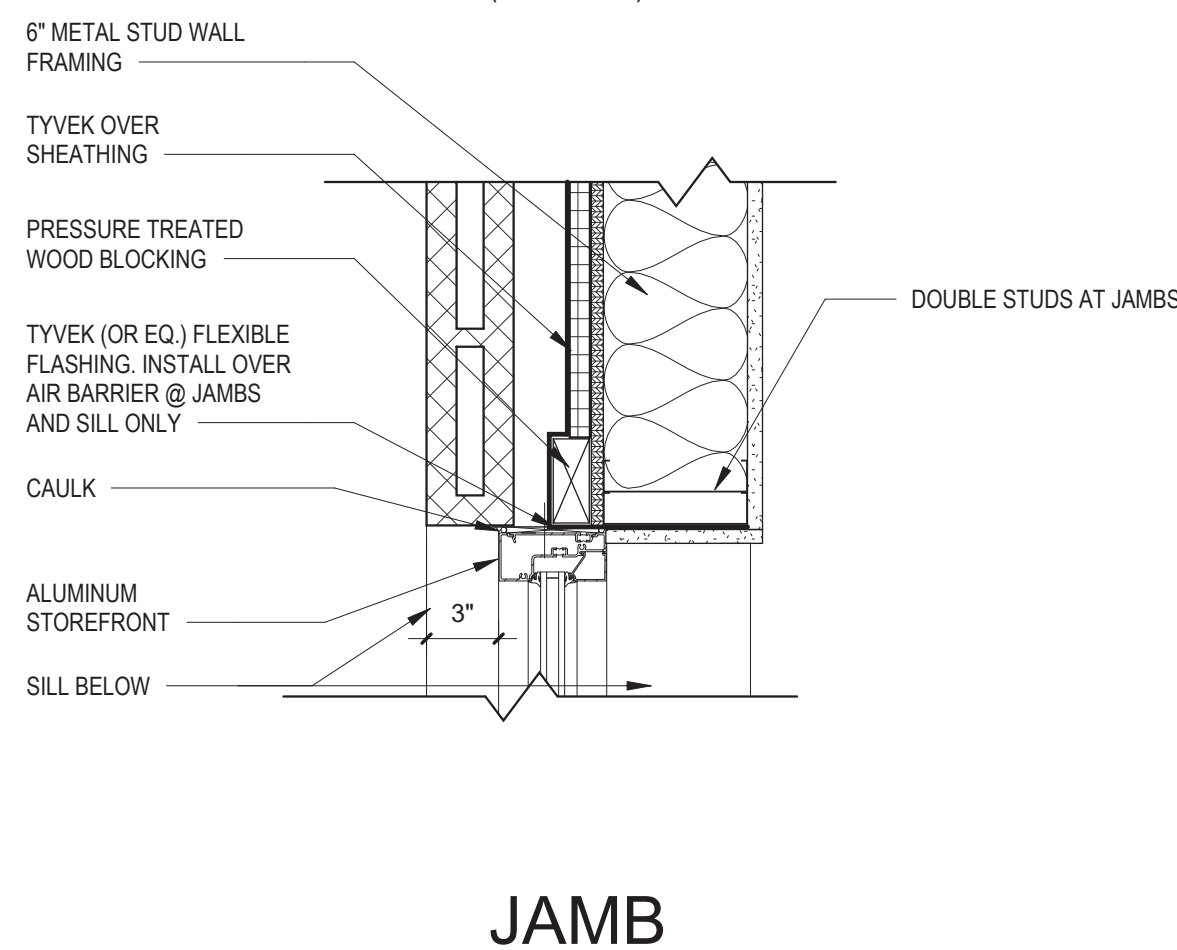
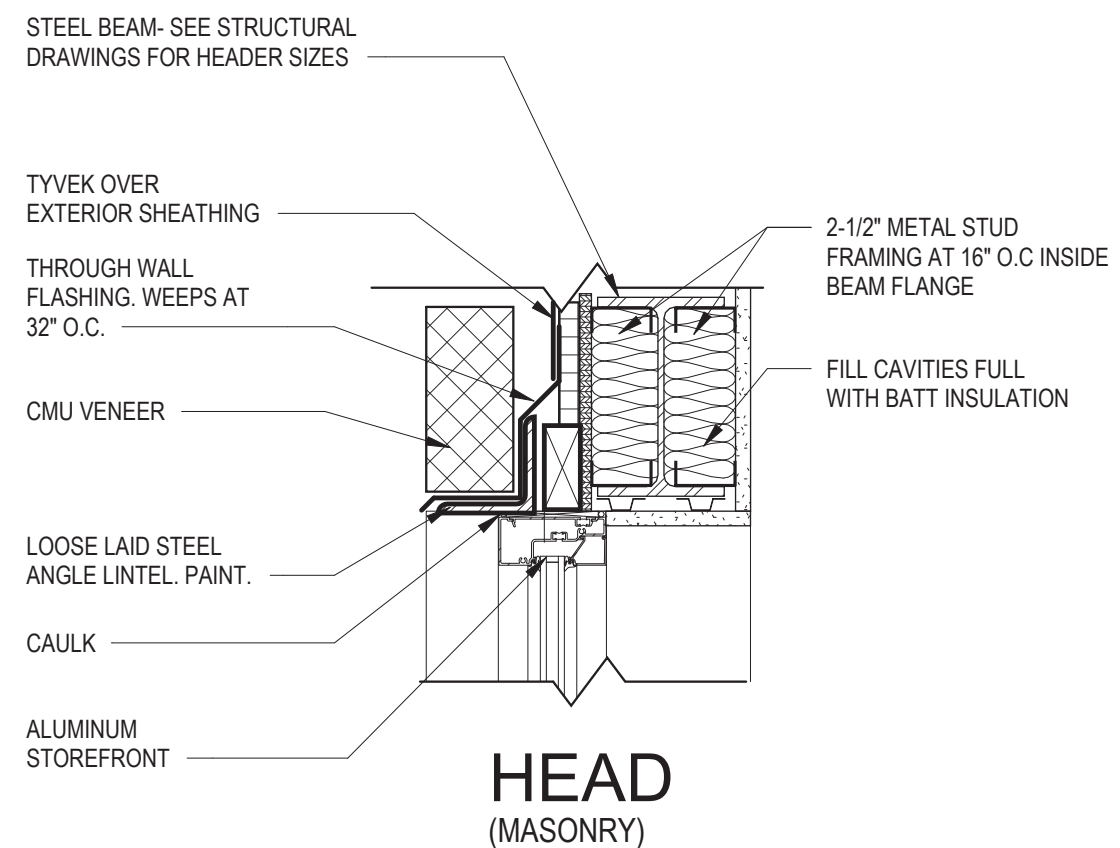
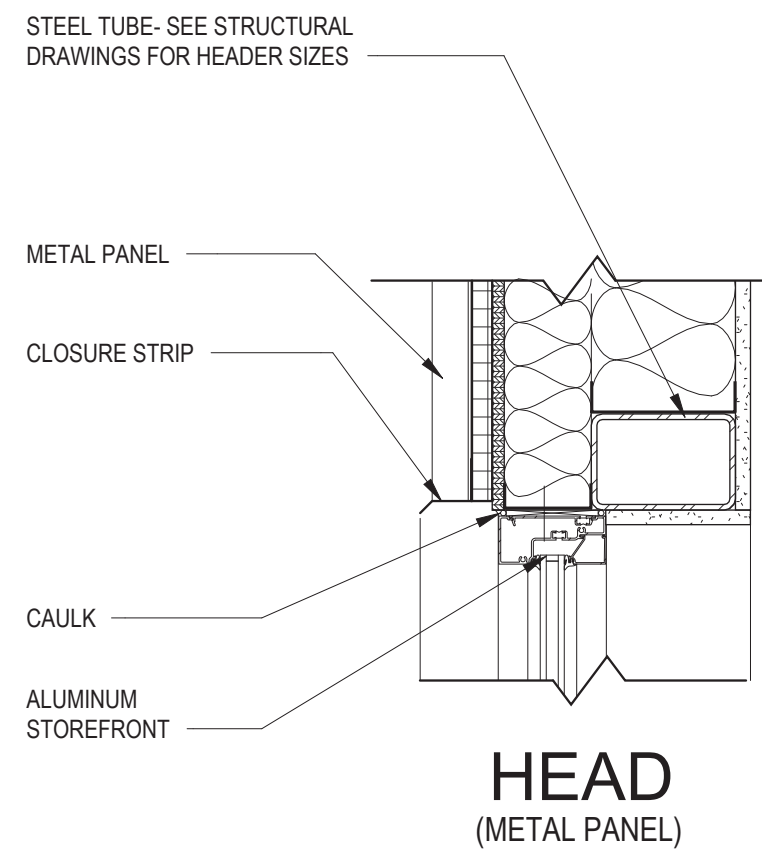
**ALUMINUM STOREFRONT SYSTEM (SF-01):**  
MANUFACTURER: YKK  
PRODUCT: YES 45 TU  
COLOR: DARK BRONZE ANODIZED

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DRAWN BY: PJA APPROVED: E.J.G.  
PROJECT NO.: 24077 RECORD:  
CONTENTS: EXTERIOR ELEVATIONS

SHEET: **A301**



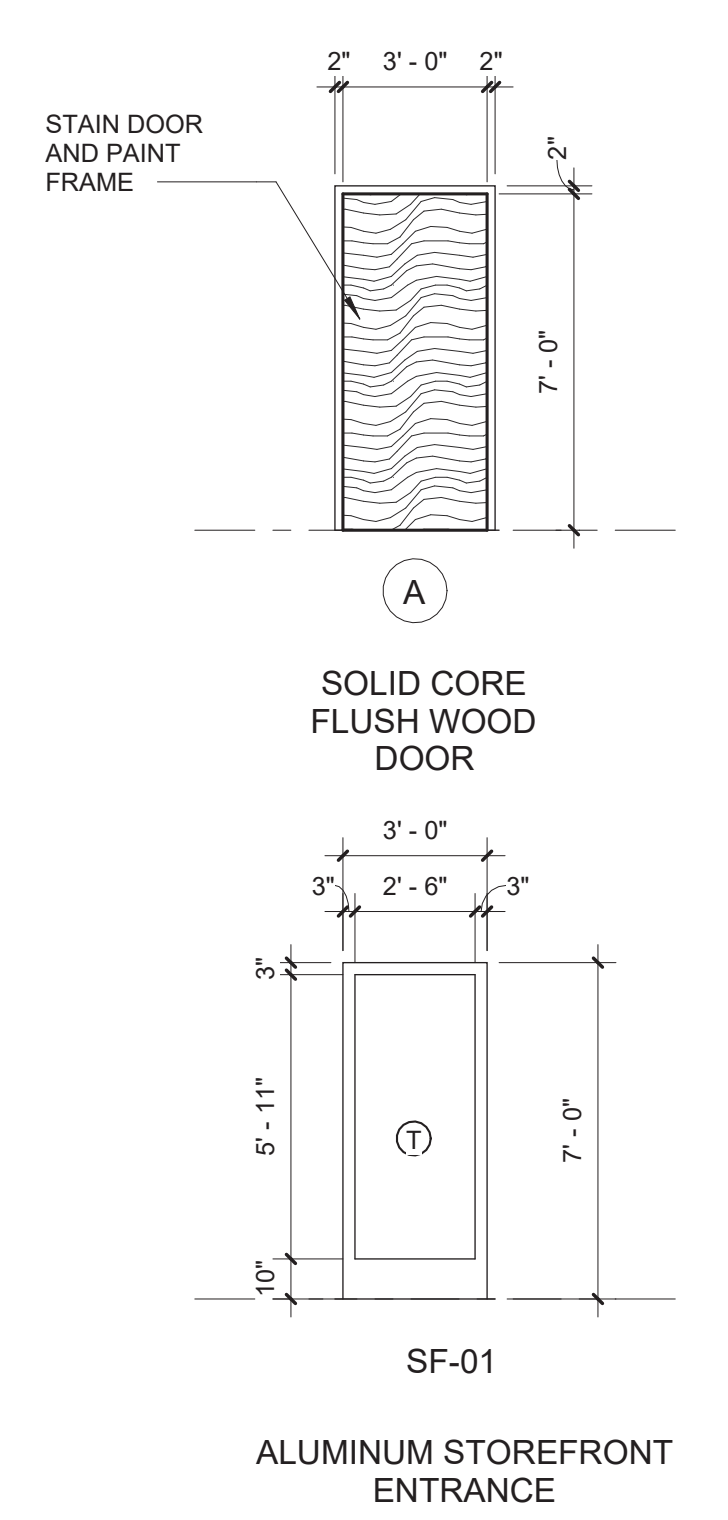
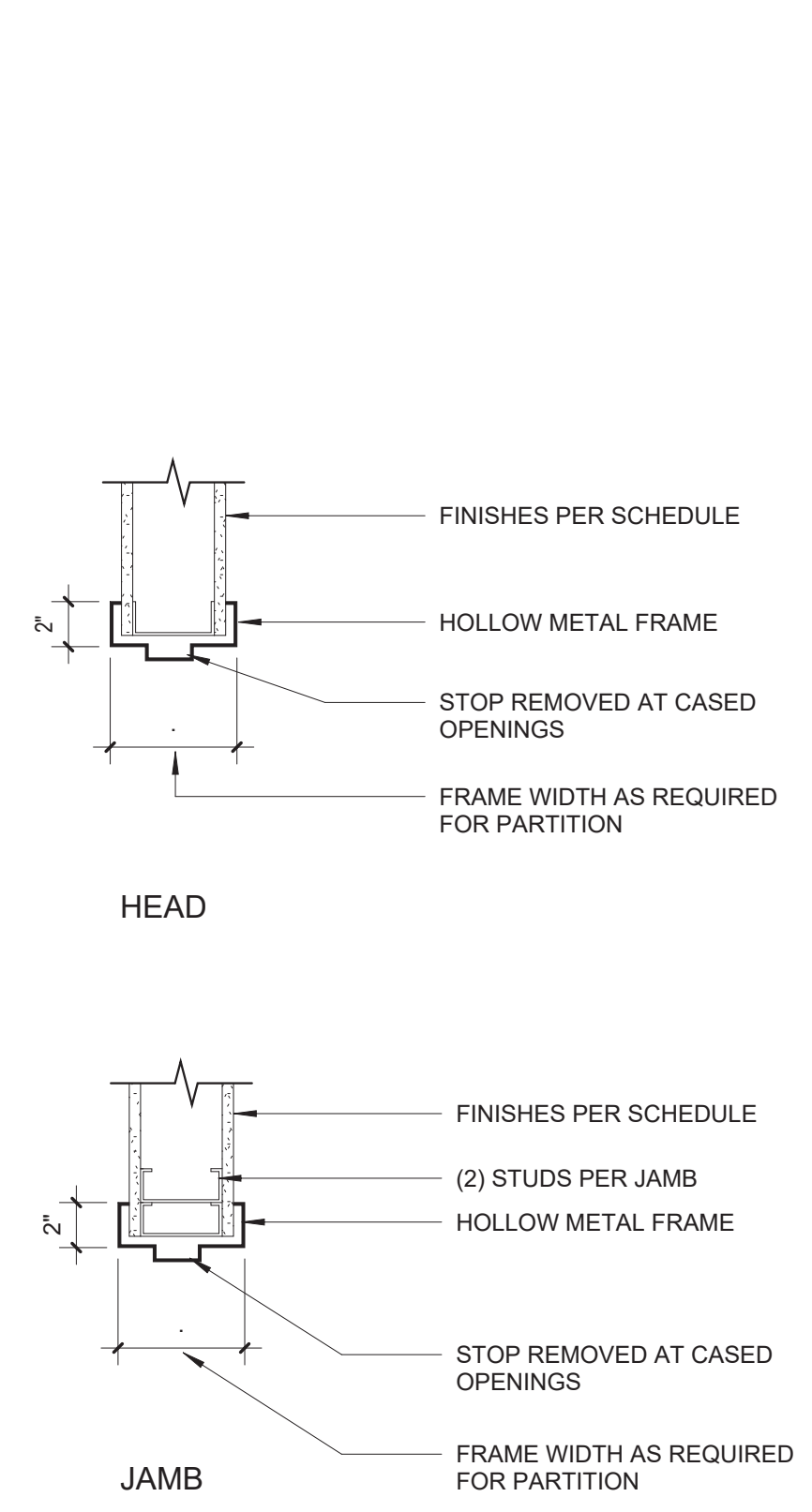
| WINDOW SCHEDULE |           |        |      |                      |                    |       |
|-----------------|-----------|--------|------|----------------------|--------------------|-------|
| MARK            | WIDTH     | HEIGHT | TYPE | MATERIAL             | GLAZING            | NOTES |
| 1               | 7'-0 3/8" | 8'-0"  | A    | DARK BRONZE ALUMINUM | 1" INSULATED GLASS |       |
| 2               | 19'-6"    | 4'-8"  | B    | DARK BRONZE ALUMINUM | 1" INSULATED GLASS |       |
| 3               | 7'-0 3/8" | 4'-8"  | C    | DARK BRONZE ALUMINUM | 1" INSULATED GLASS |       |
| 4               | 4'-0"     | 2'-0"  | D    | DARK BRONZE ALUMINUM | 1" INSULATED GLASS |       |
| 5               | 4'-0"     | 2'-0"  | D    | DARK BRONZE ALUMINUM | 1" INSULATED GLASS |       |

- WINDOW NOTES:**
- GLAZING TYPE FOR EXTERIOR STOREFRONT ASSEMBLIES TO BE 1" INSULATED GLAZING LOW-E UNITS, TINTED GLASS (SOLARBAN 70XL OR EQUAL). INTERIOR GLAZING TO BE 1/4" CLEAR (TEMPERED OR LAMINATED SAFETY GLASS WHERE INDICATED). SEE MINIMUM CRITERIA ON SHEET G102 UNDER ENERGY SUMMARY.
  - STOREFRONT ASSEMBLIES TO BE CLEAR ANODIZED ALUMINUM. EXTERIOR FRAMES TO BE THERMALLY BROKEN FRAMES.
  - GLAZING FOR EXTERIOR STOREFRONT DOORS TO BE 1/4" TINTED TEMPERED GLAZING.
  - ALL WINDOWS TO BE PROPERLY FLASHED AT HEAD, JAMBS AND SILLS. PROVIDE FLASHING WITH END DAMS AT ALL SILLS.
  - DIMENSIONS SHOWN ARE NOT TO BE USED FOR FABRICATION. ALL DIMENSIONS ARE TO BE CONFIRMED WITH SHOP DRAWINGS AND FIELD MEASUREMENTS AFTER COMPLETION OF CONSTRUCTION OF OPENINGS AND PRIOR TO FABRICATION OF WINDOW ASSEMBLIES.
  - SEE STRUCTURAL DRAWINGS FOR HEADER CONSTRUCTION.
  - PROVIDE TEMPERED GLAZING WHERE INDICATED AND WHERE REQUIRED BY CODE.
  - SEE DOOR SCHEDULE FOR ADDITIONAL INFORMATION REGARDING TRANSOMS AND SIDELITE.
  - SEE DETAIL FOR WINDOW SILLS AND TRIM INFORMATION.

| DOOR SCHEDULE |           |        |         |        |       |                 |             |          |             |         |       |              |
|---------------|-----------|--------|---------|--------|-------|-----------------|-------------|----------|-------------|---------|-------|--------------|
| MARK          | ROOM      | DOOR   |         |        |       | FRAME           |             |          | FIRE RATING | HDW SET | NOTES |              |
|               |           | WIDT H | HEIGH T | THK    | TYPE  | MATERIAL        | FINISH      | MATERIAL |             |         |       | FINISH       |
| 100           | ATTENDANT | 3'-0"  | 7'-0"   |        | SF-01 | ALUMINUM        | DARK BRONZE | ALUMINUM | DARK BRONZE | NR      | 1     |              |
| 101           | RESTROOM  | 3'-0"  | 7'-0"   | 1 3/4" | A     | SOLID CORE WOOD | STAIN       | HM       | PAINT       | NR      | 2     | 6" stud wall |

- DOOR HARDWARE**
- HARDWARE SET NO. (ALUMINUM STOREFRONT-EXTERIOR SINGLE ENTRY DOOR):**  
 HEAVY-DUTY HINGES: (3)  
 C PULLS: (1)  
 CYLINDER  
 WEATHER STRIPPING: (1) SET  
 THRESHOLD: (1)  
 CLOSER: (1)
- HARDWARE SET NO. (INTERIOR TOILET ROOM DOOR):**  
 HEAVY-DUTY HINGES: (3)  
 PRIVACY LOCKSET: (1)  
 SILENCERS: (3)  
 WALL/FLOOR STOP: (1)

- DOOR NOTES**
- HARDWARE FINISH TO BE **US260 OR US32D** (CONFIRM W/ OWNER). HARDWARE TO BE STANDARD-DUTY, COMMERCIAL HARDWARE, SCHLAGE AL SERIES "SATURN" (OR APPROVED EQUAL).
  - PROVIDE HARDWARE THAT COMPLIES WITH THE NCBC, THE AMERICAN'S WITH DISABILITIES ACT AND ICC/ANSI A117.1.
  - ALL DOORS AND FRAMES TO BE FINISHED AS SCHEDULED. **WOOD SPECIES TO BE NATURAL ROTARY CUT BIRCH, DOORS TO BE FIELD FINISHED**
  - G.C. TO COORDINATE. FINAL HARDWARE SELECTION/ SCHEDULING/ KEYING WITH OWNER. ALL DOORS WILL BE KEYED TO OWNER'S MASTER KEYING SYSTEM.
  - G.C. TO PROVIDE ADDITIONAL HARDWARE AS REQUIRED BY DOOR MANUFACTURER



**1 SECTION - EXTERIOR WINDOW**  
1 1/2" = 1'-0"

**2 ALUMINUM FRAME TYPES.**  
1/2" = 1'-0"

**3 DOOR DETAILS-INTERIOR**  
1 1/2" = 1'-0"

**4 DOOR TYPES**  
1/4" = 1'-0"

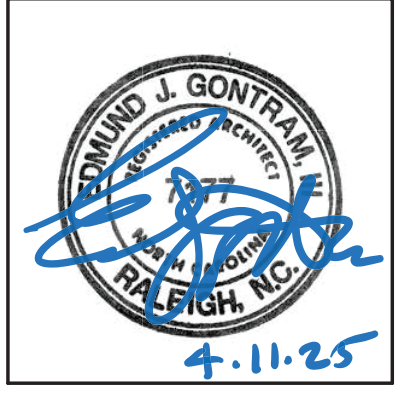


**GONTRAM ARCHITECTURE, INC.**

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**ATTENDANT BUILDING**  
**PARKTON SOLID WASTE**  
**CONVENIENCE CENTER**  
 PARKTON RD., PARKTON NC, NC 28371

ISSUED: 04/11/2025  
FOR CONSTRUCTION

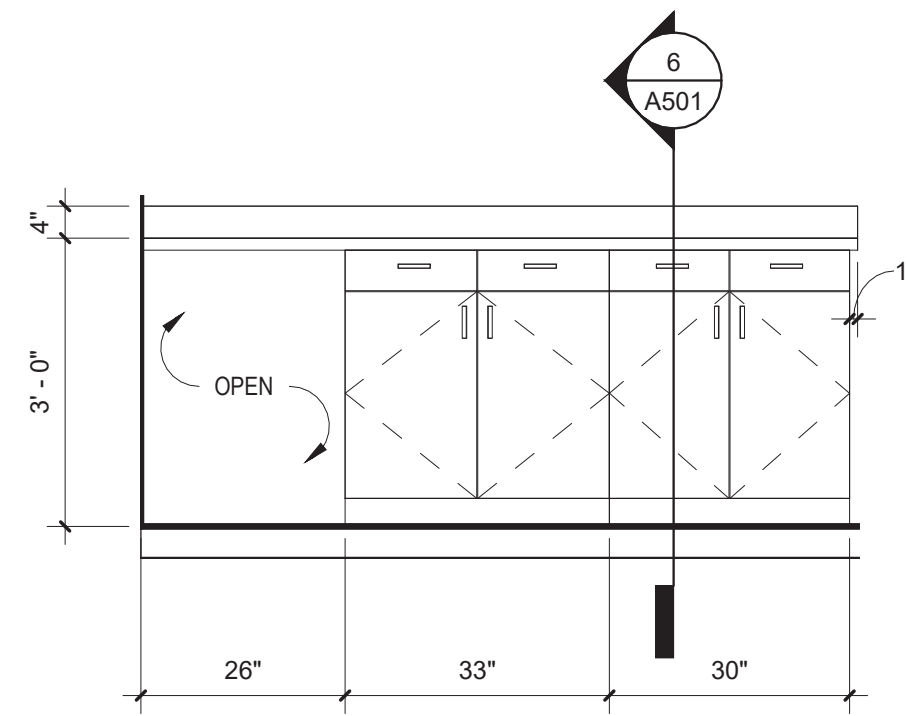
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DRAWN BY: PJA  
APPROVED: E.JG

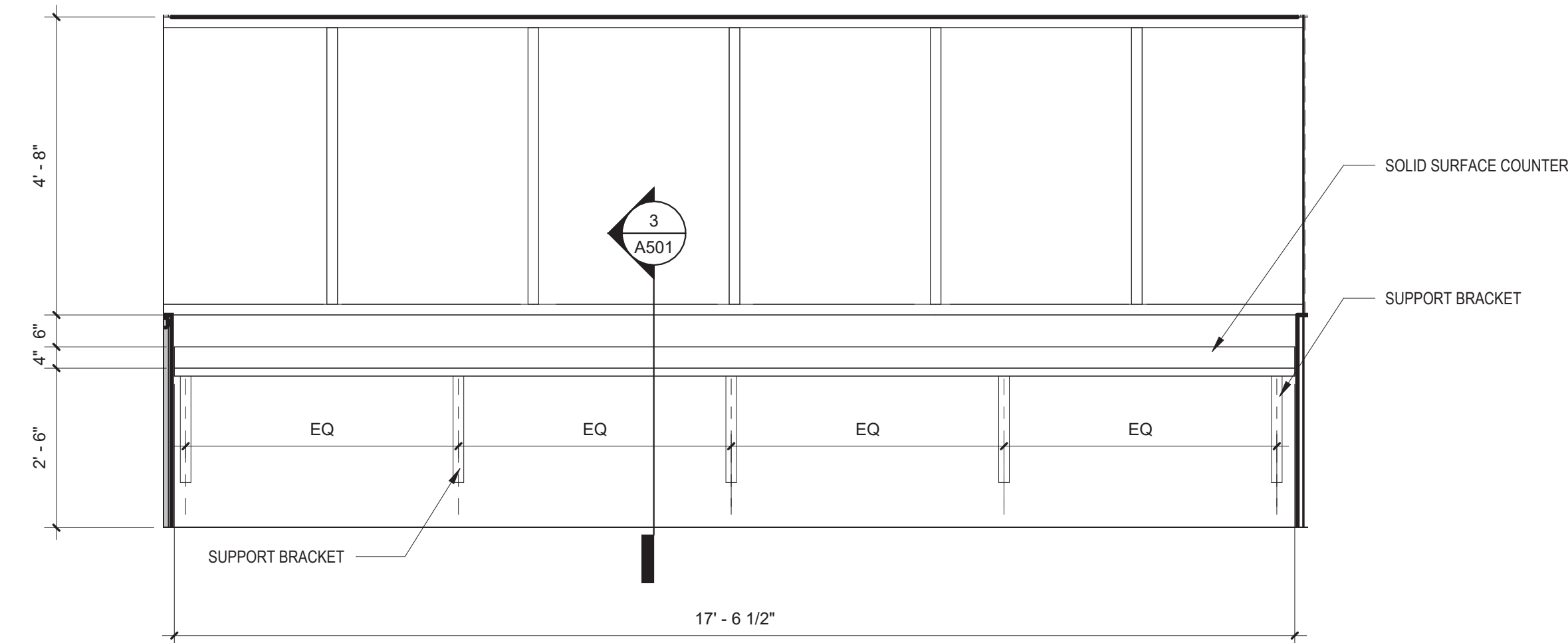
PROJECT NO.: 24077  
RECORD:

CONTENTS: WINDOW & DOOR SCHEDULE

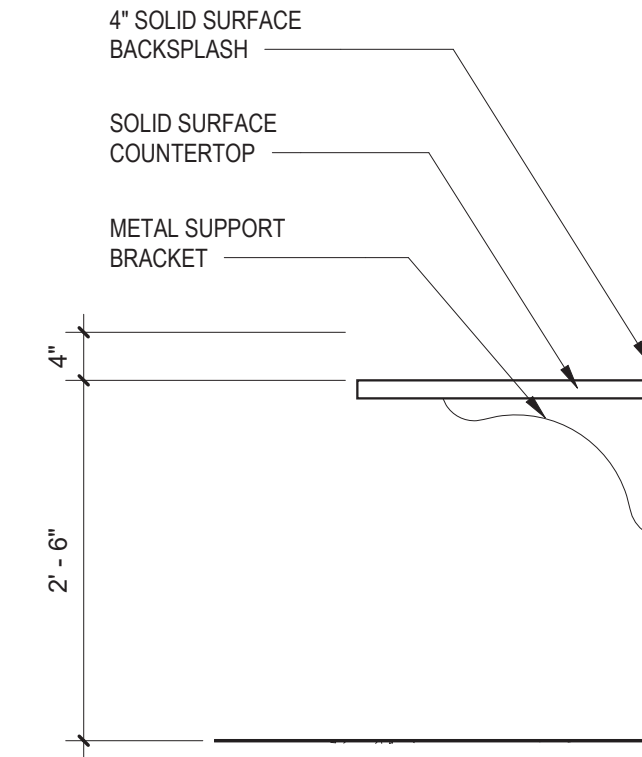
SHEET:  
**A401**



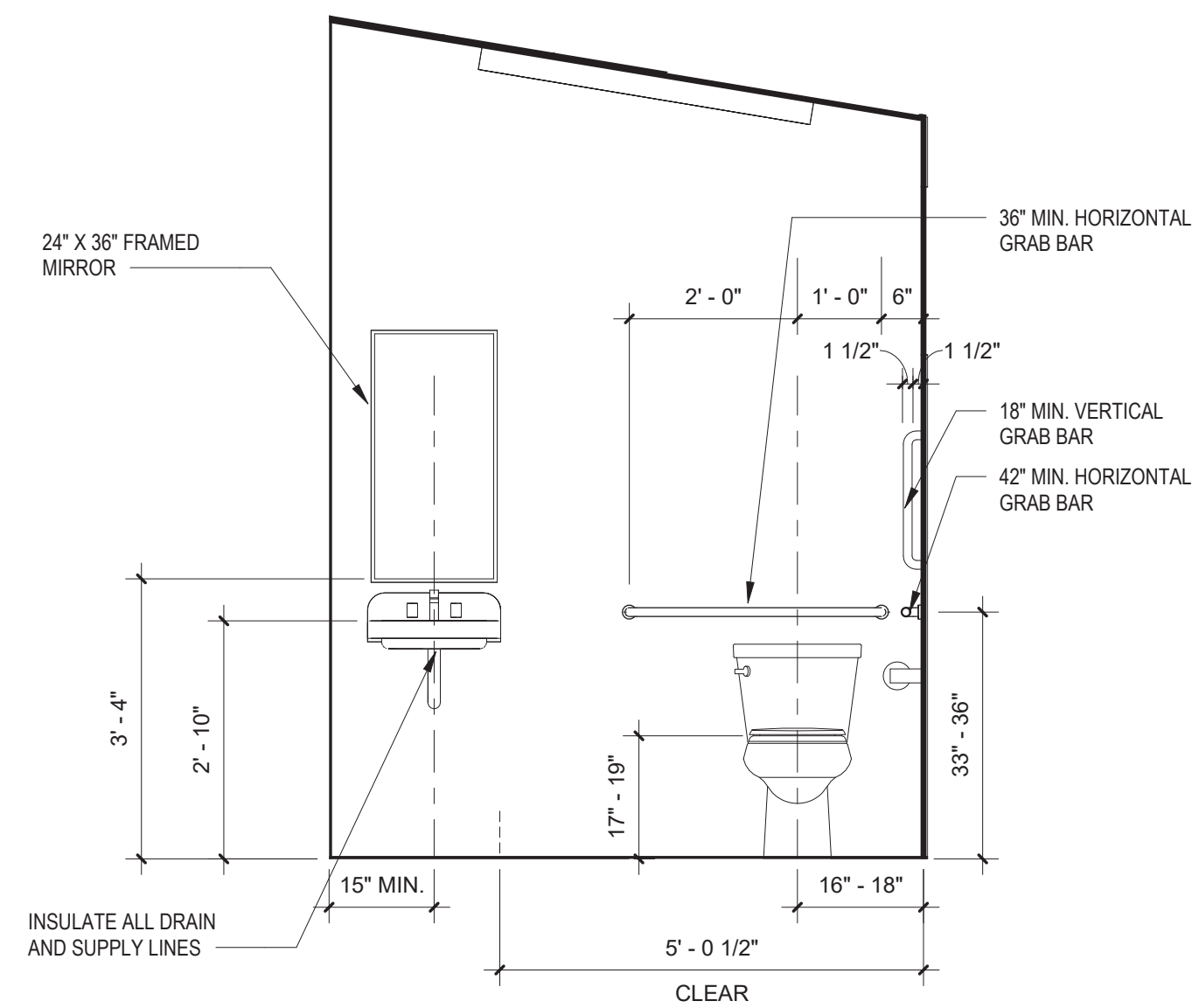
**1 CASEWORK ELEVATION**  
1/2" = 1'-0"



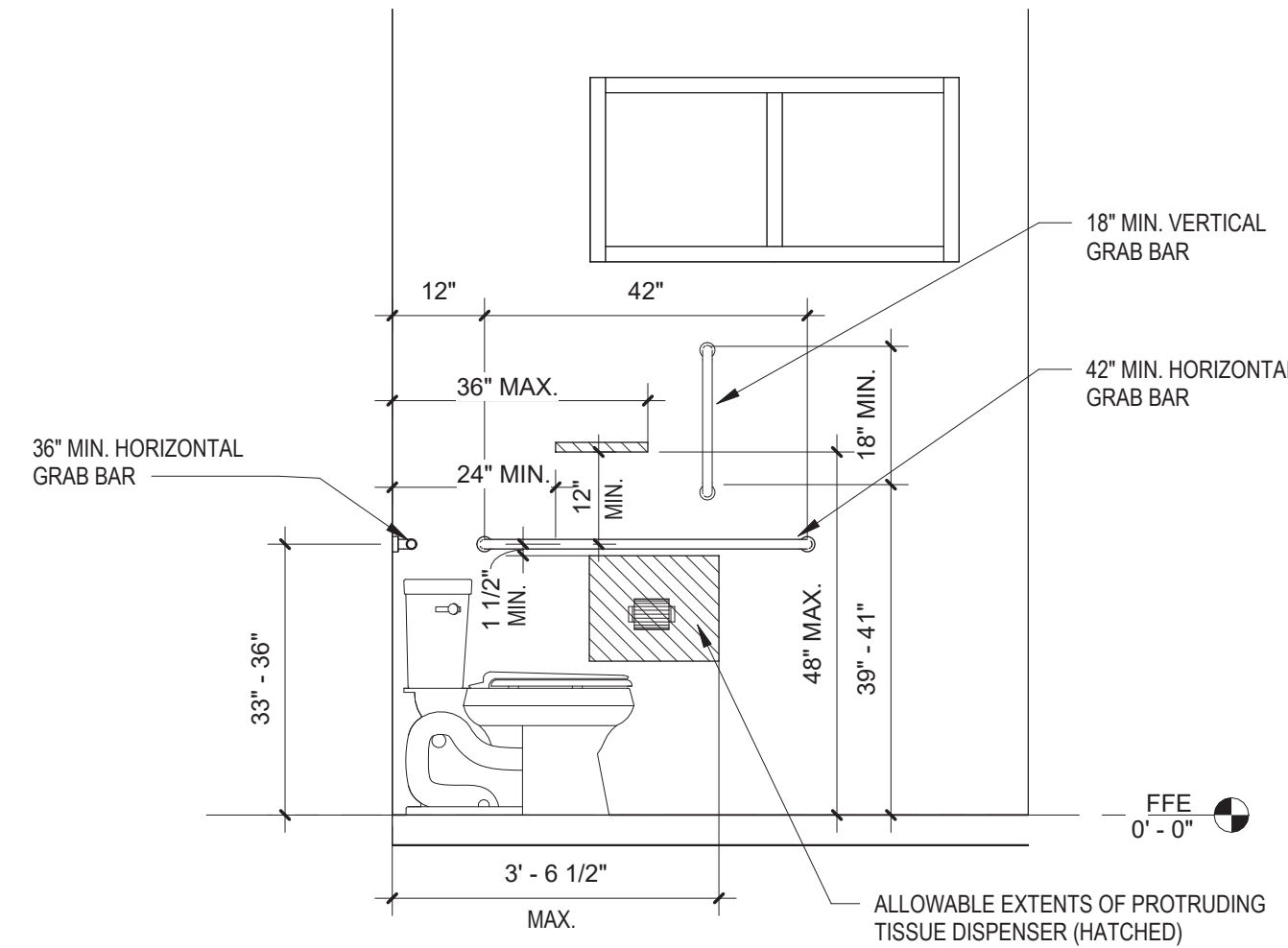
**2 WORKSPACE ELEVATION**  
1/2" = 1'-0"



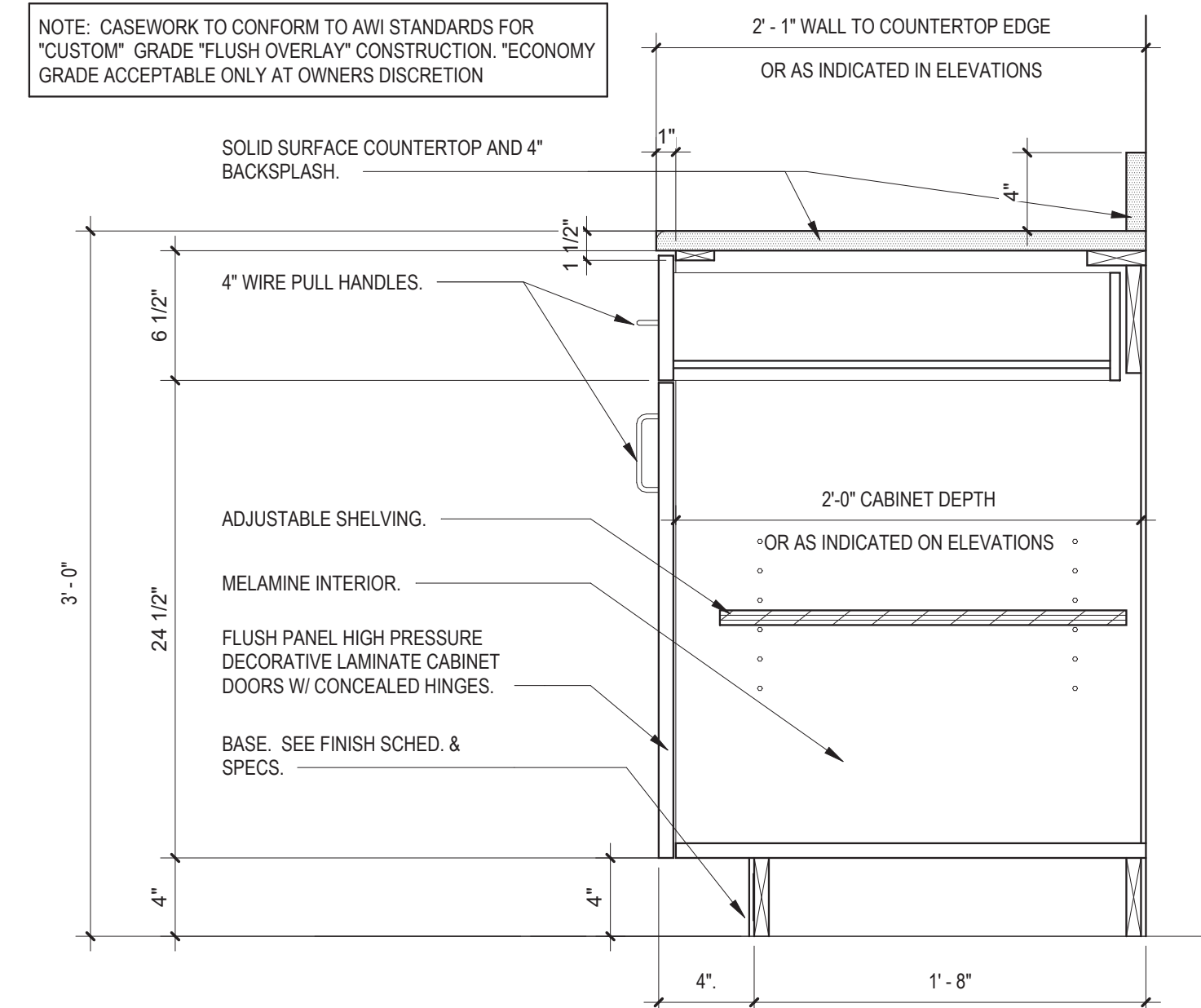
**3 SECTION-COUNTER**  
3/4" = 1'-0"



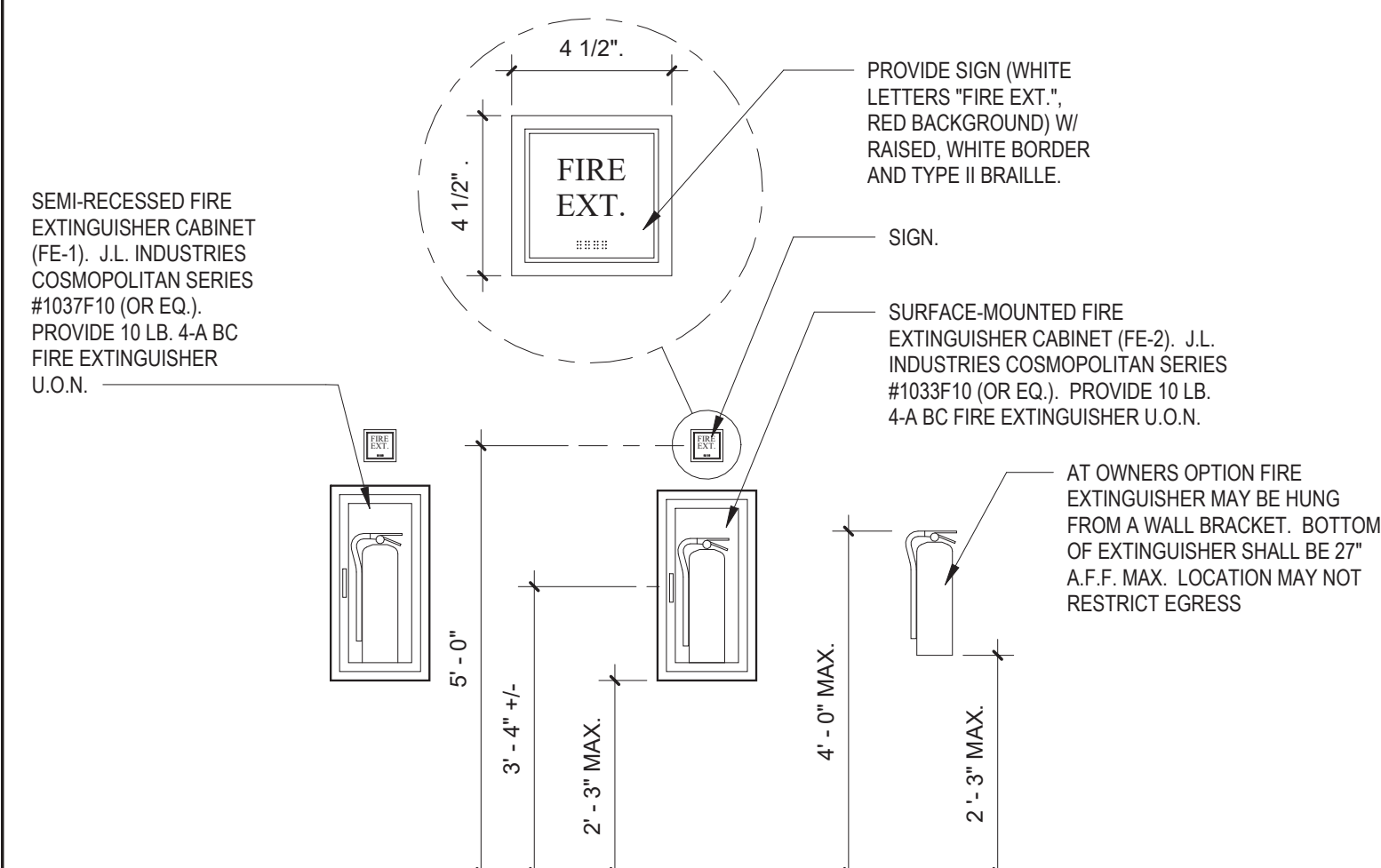
**4 RESTROOM ELEVATION (REAR)**  
1/2" = 1'-0"



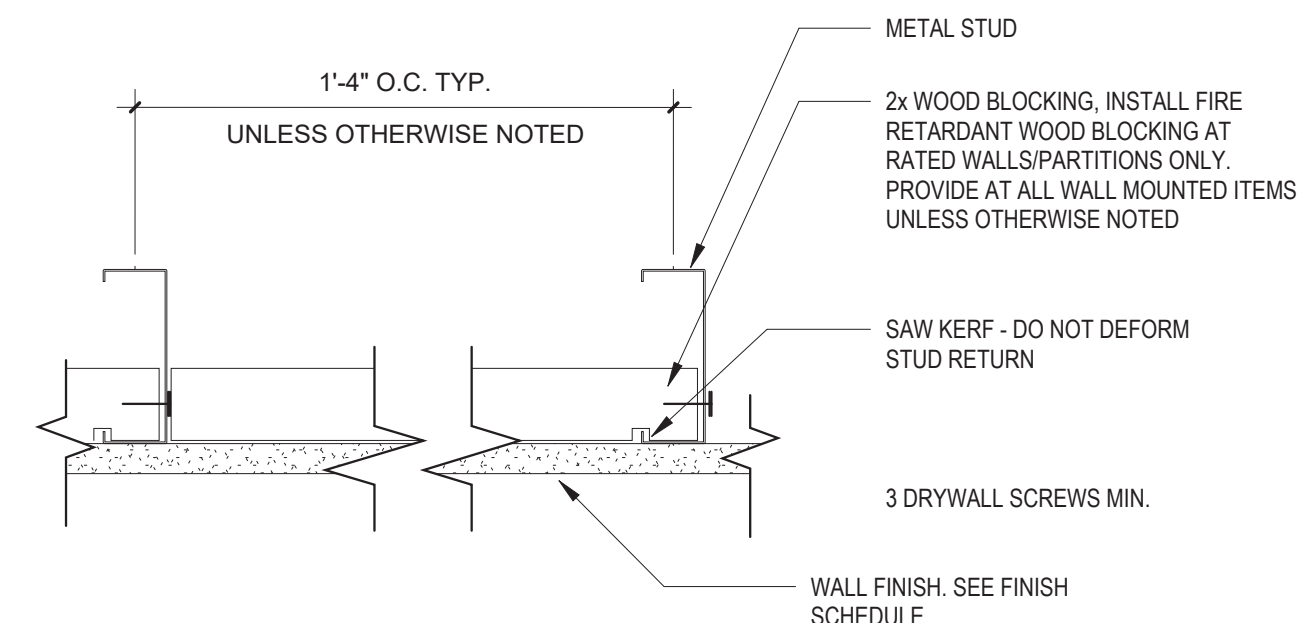
**5 RESTROOM ELEVATION (SIDE)**  
1/2" = 1'-0"



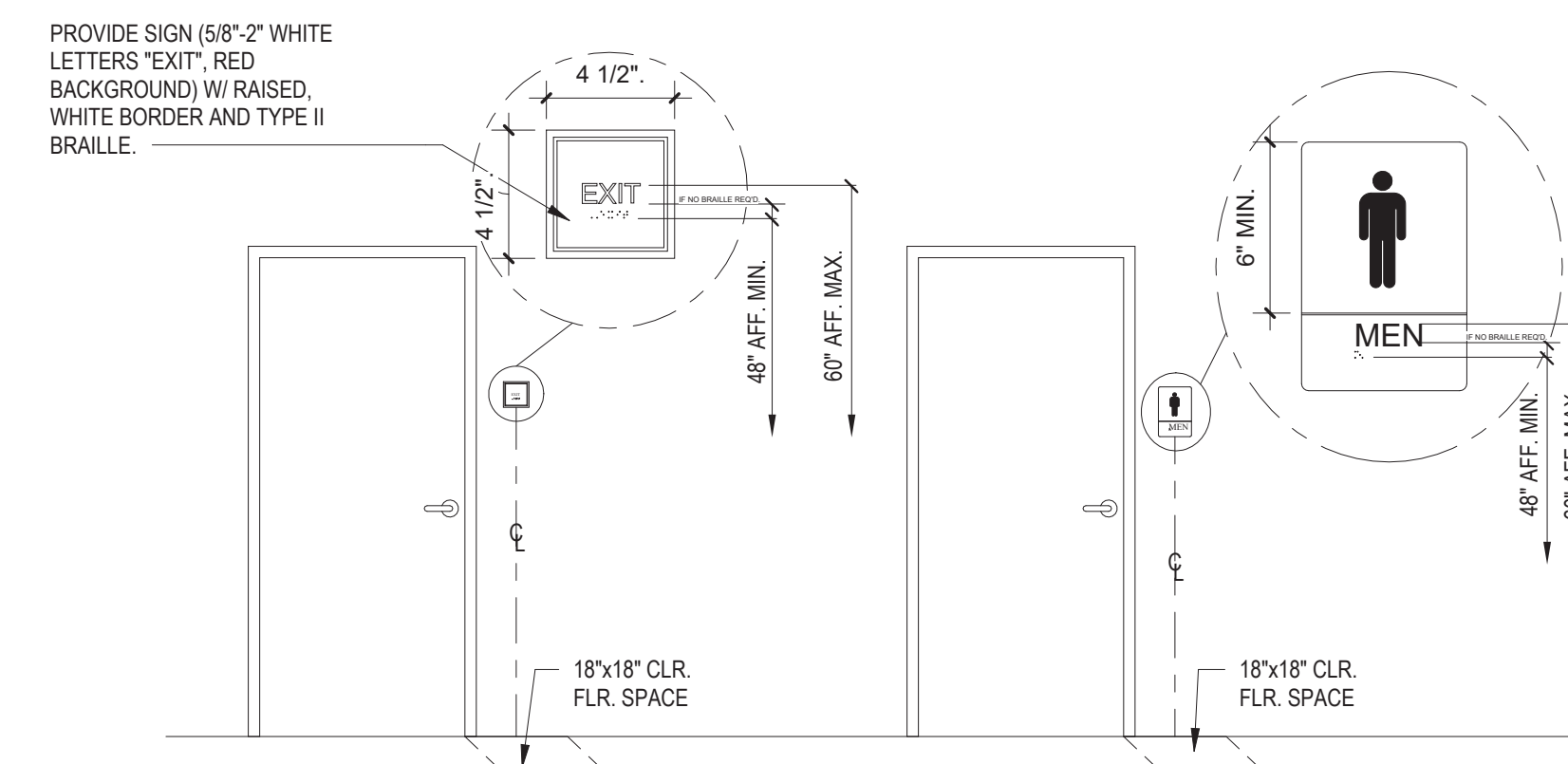
**6 SECTION - BASE CABINETS**  
1 1/2" = 1'-0"



**8 FIRE EXTINGUISHER DETAIL**  
1/2" = 1'-0"



**9 TYP. WALL BLOCKING**  
3" = 1'-0"



**10 TYPICAL SIGNAGE DETAILS**  
3/8" = 1'-0"



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PARKTON SOLID WASTE  
CONVENIENCE CENTER**  
PARKTON RD., PARKTON NC, NC 28371

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PROJECT NO.: 24077    RECORD: 24077  
CONTENTS: INTERIOR ELEVATIONS

SHEET:  
**A501**

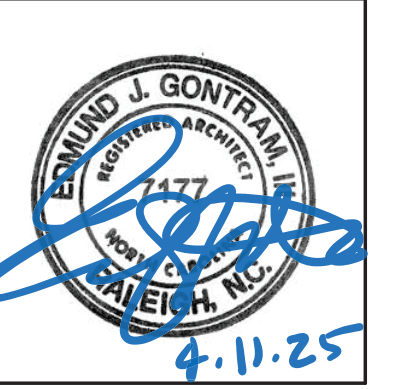


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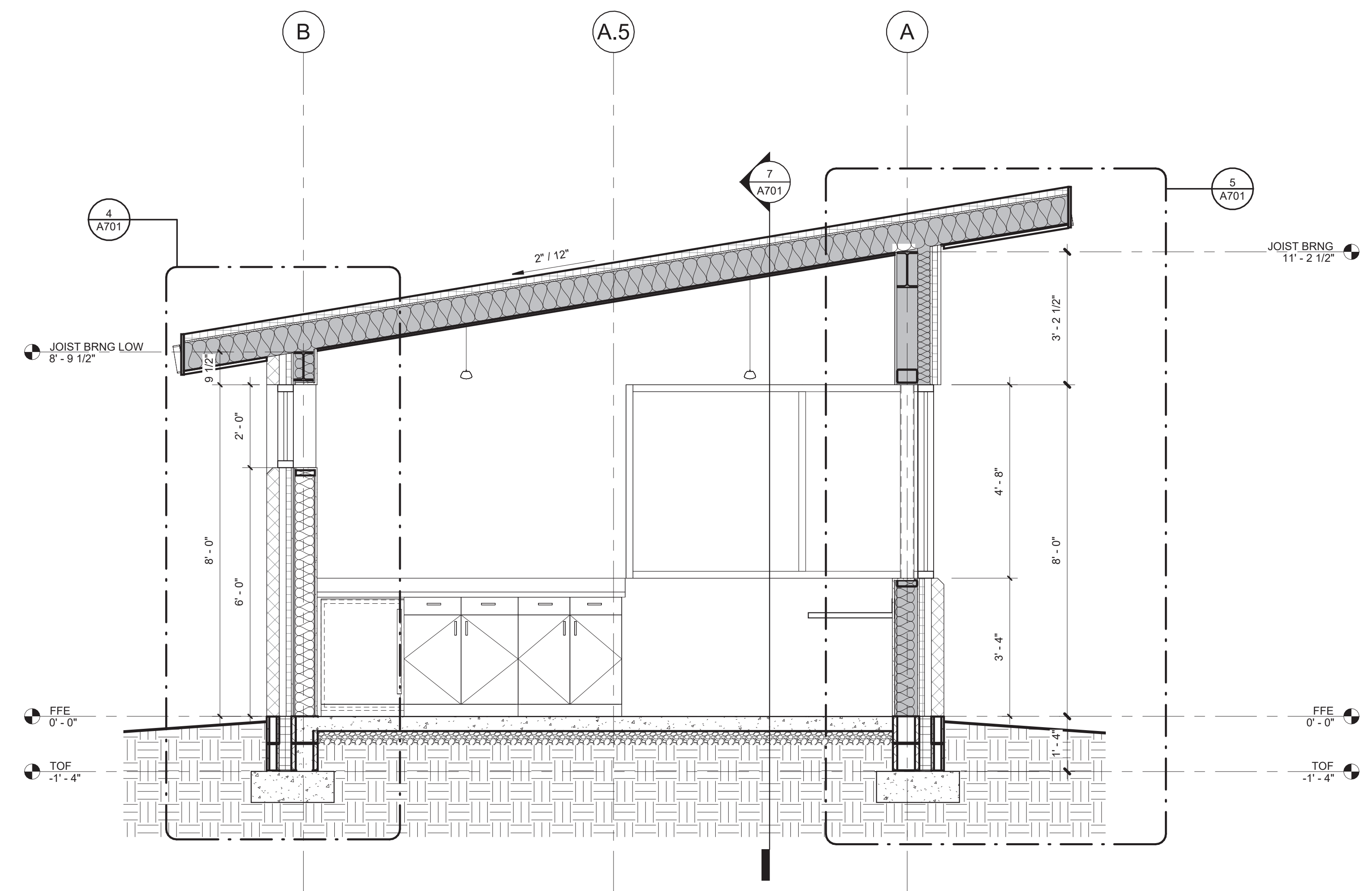
**ATTENDANT BUILDING  
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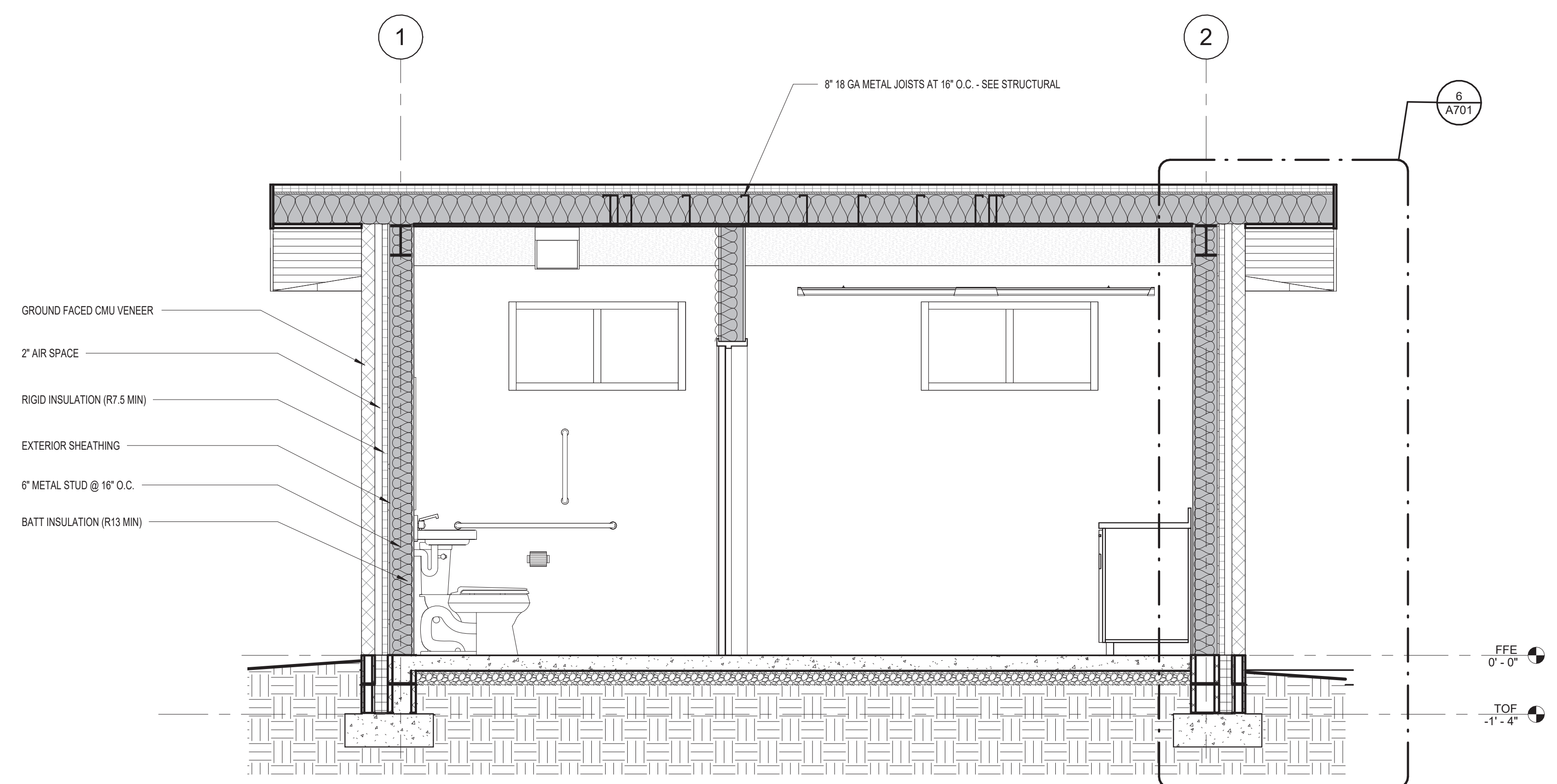
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DRAWN BY: PJA      APPROVED: E.J.G.  
PROJECT NO.: 24077      RECORD:  
BUILDINGS SECTIONS

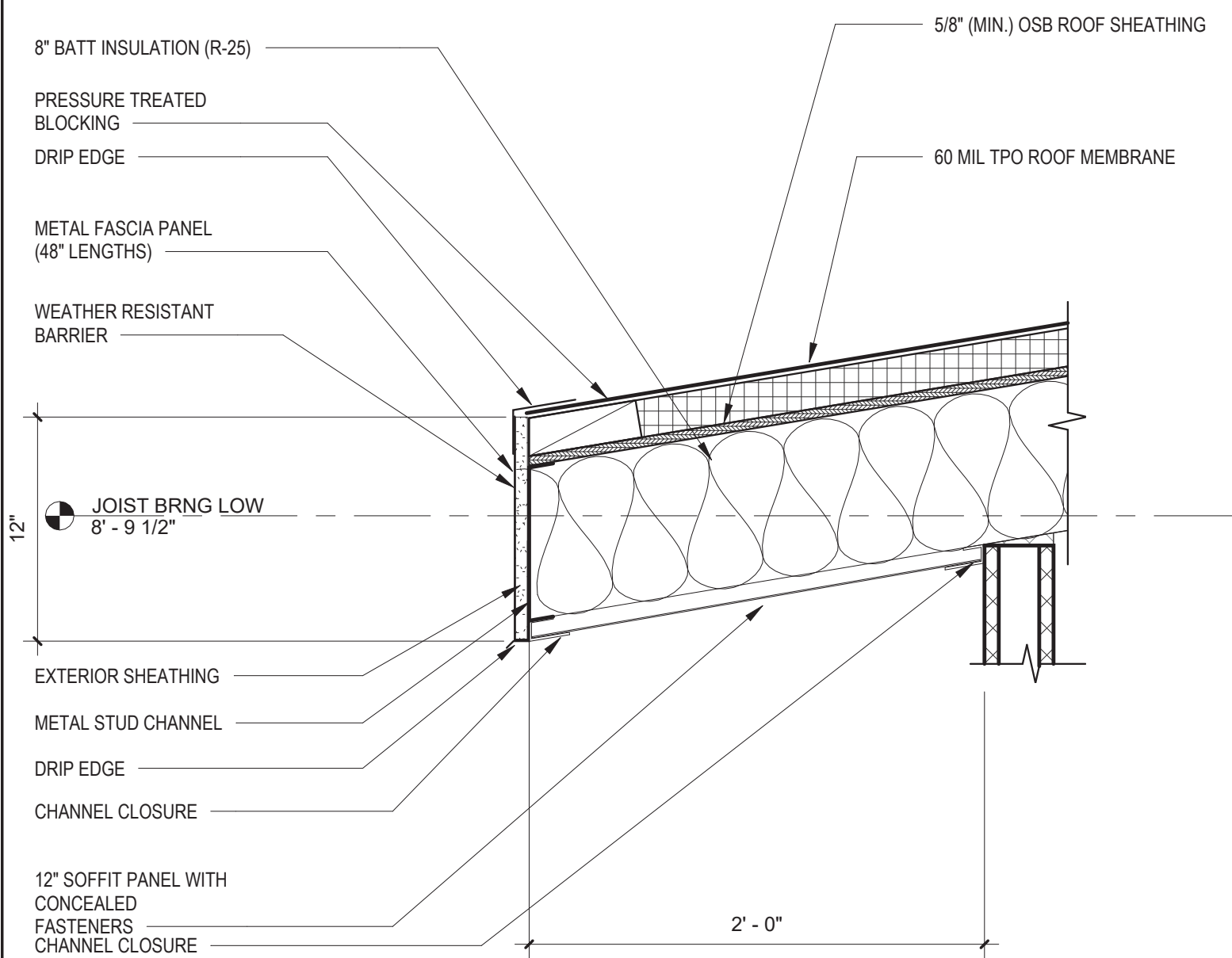
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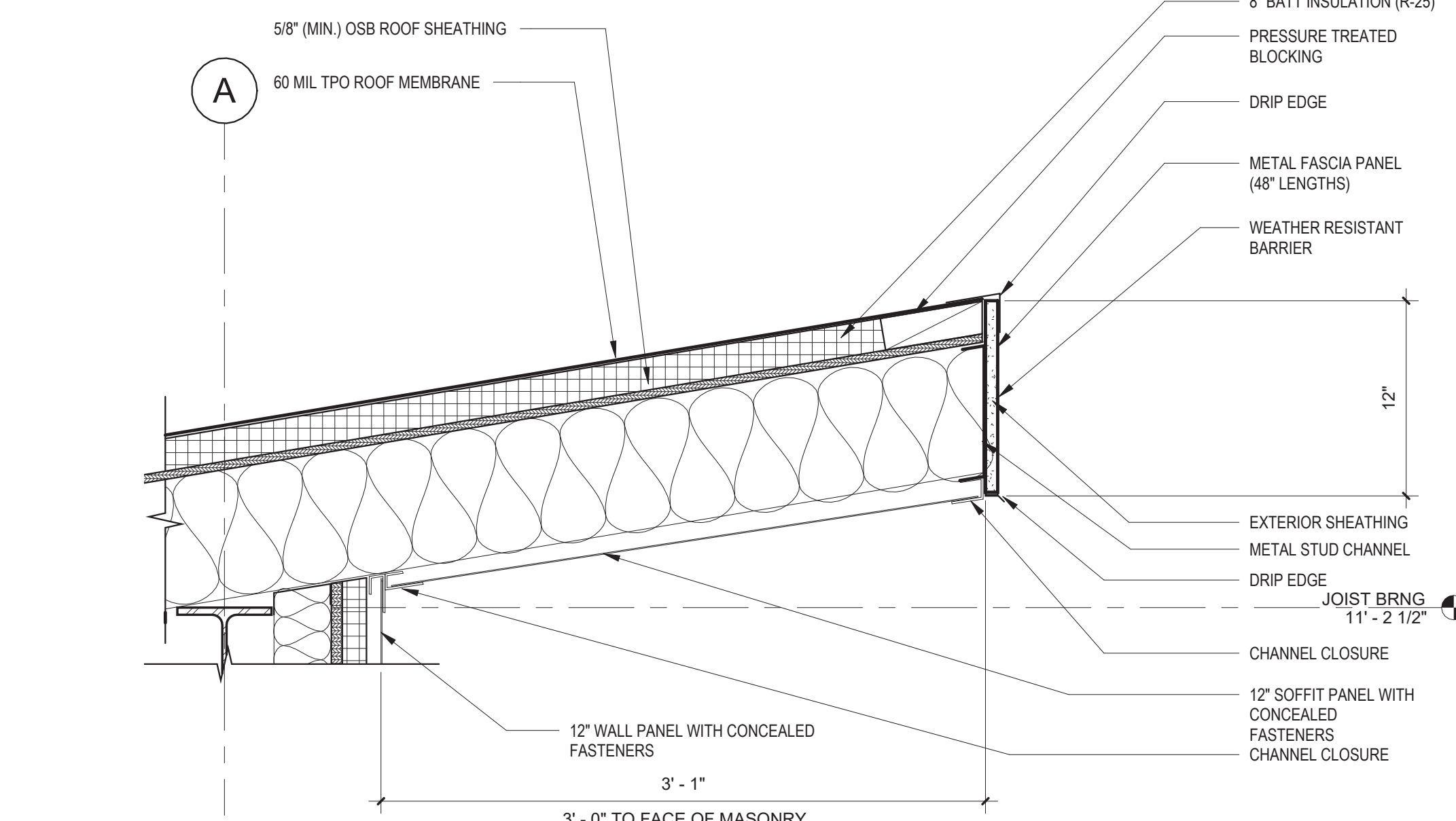
**1 BUILDING SECTION (NORTH-SOUTH)**  
1/2" = 1'-0"



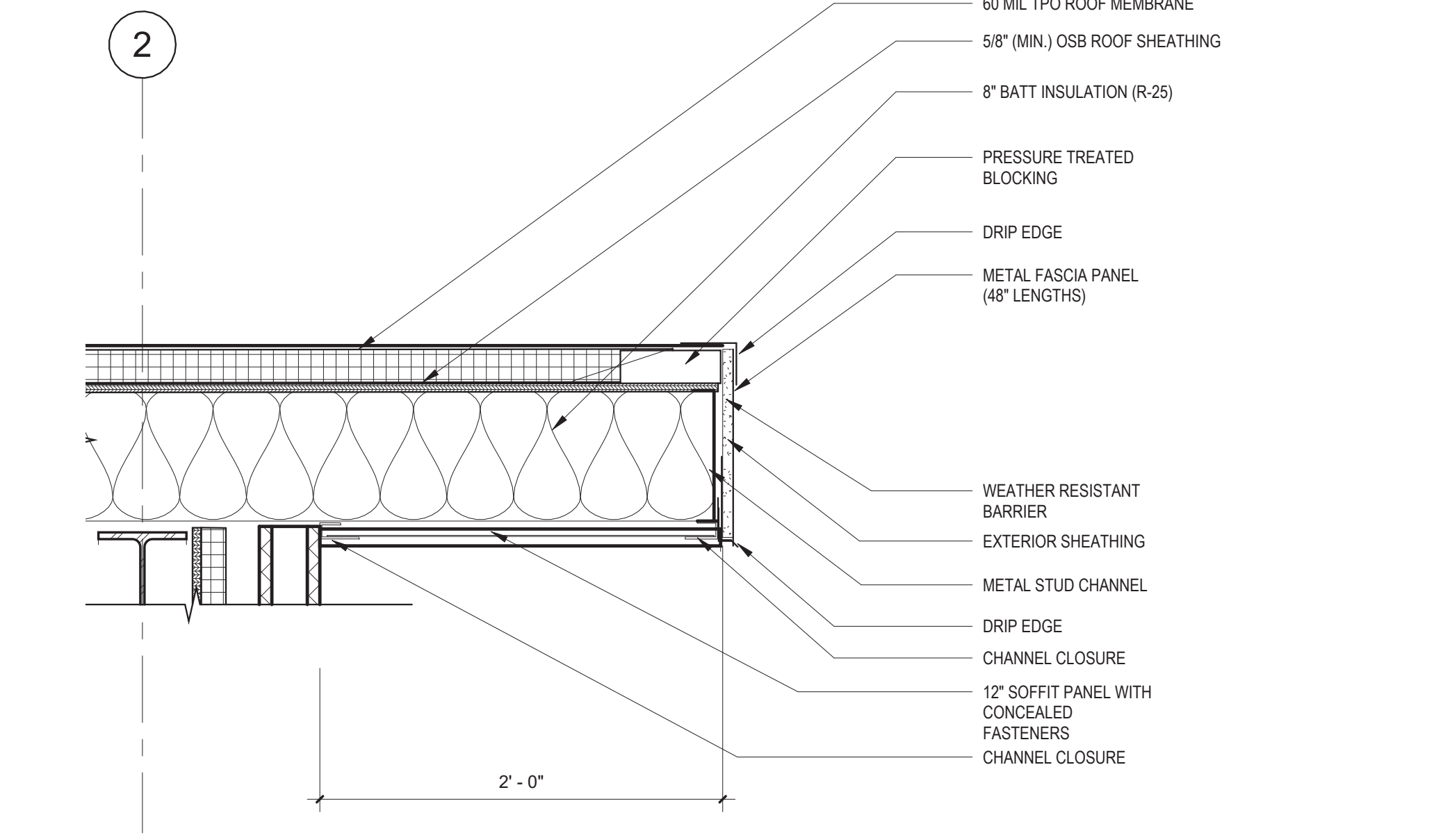
**2 BUILDING SECTION (EAST-WEST)**  
1/2" = 1'-0"



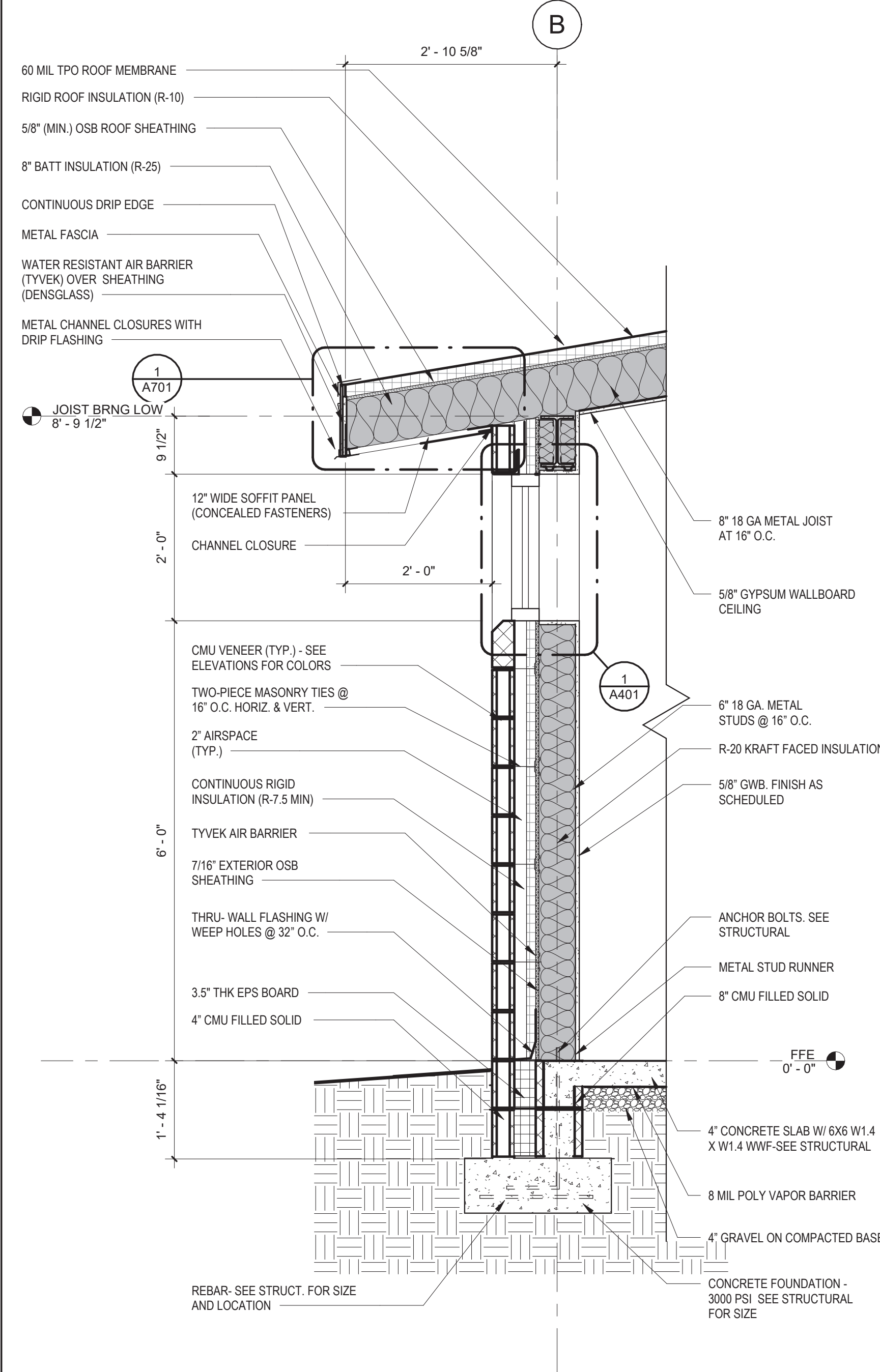
**1 ROOF DETAIL-LOW END**  
 1 1/2" = 1'-0"



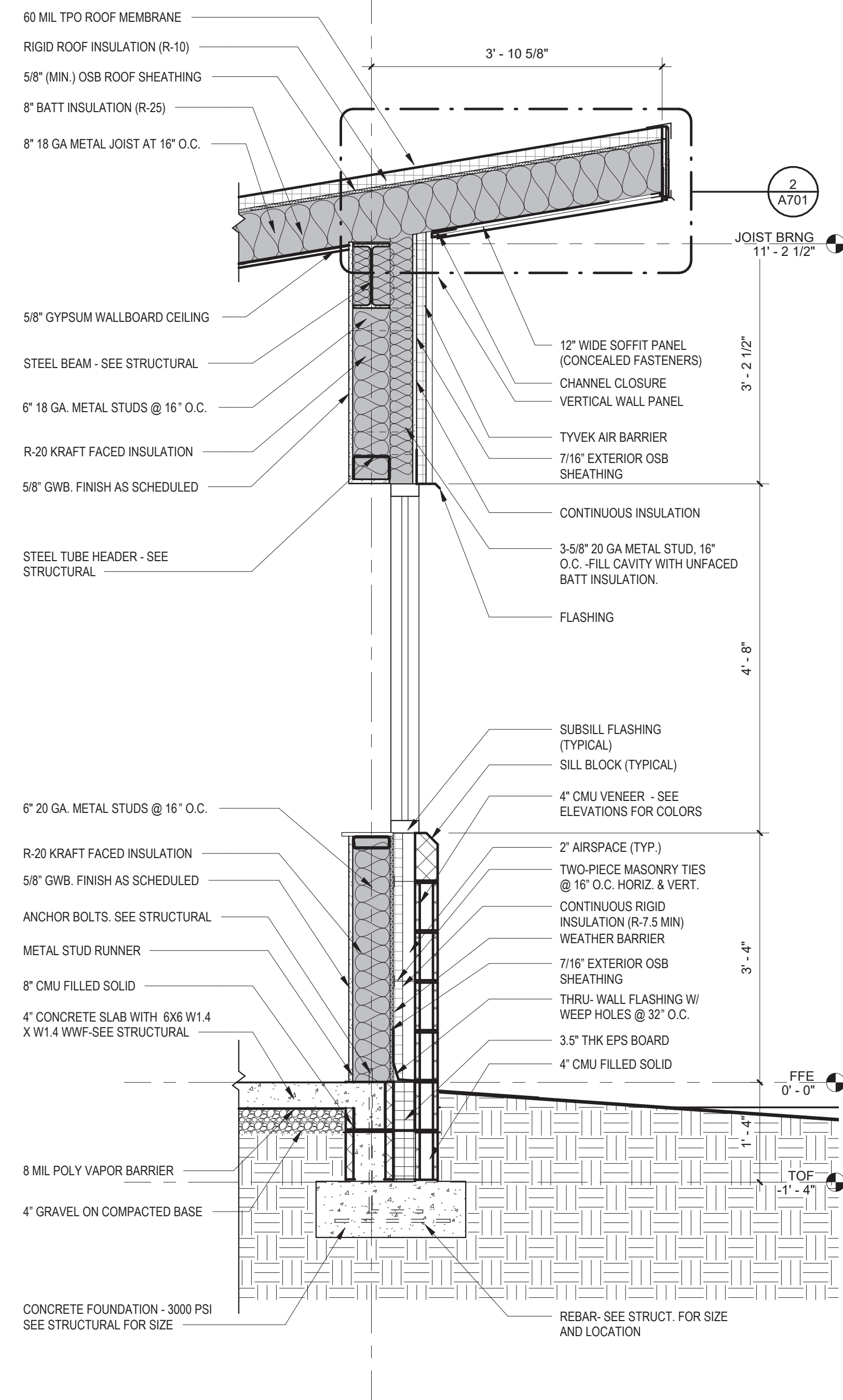
**2 ROOF DETAIL-HIGH END**  
 1 1/2" = 1'-0"



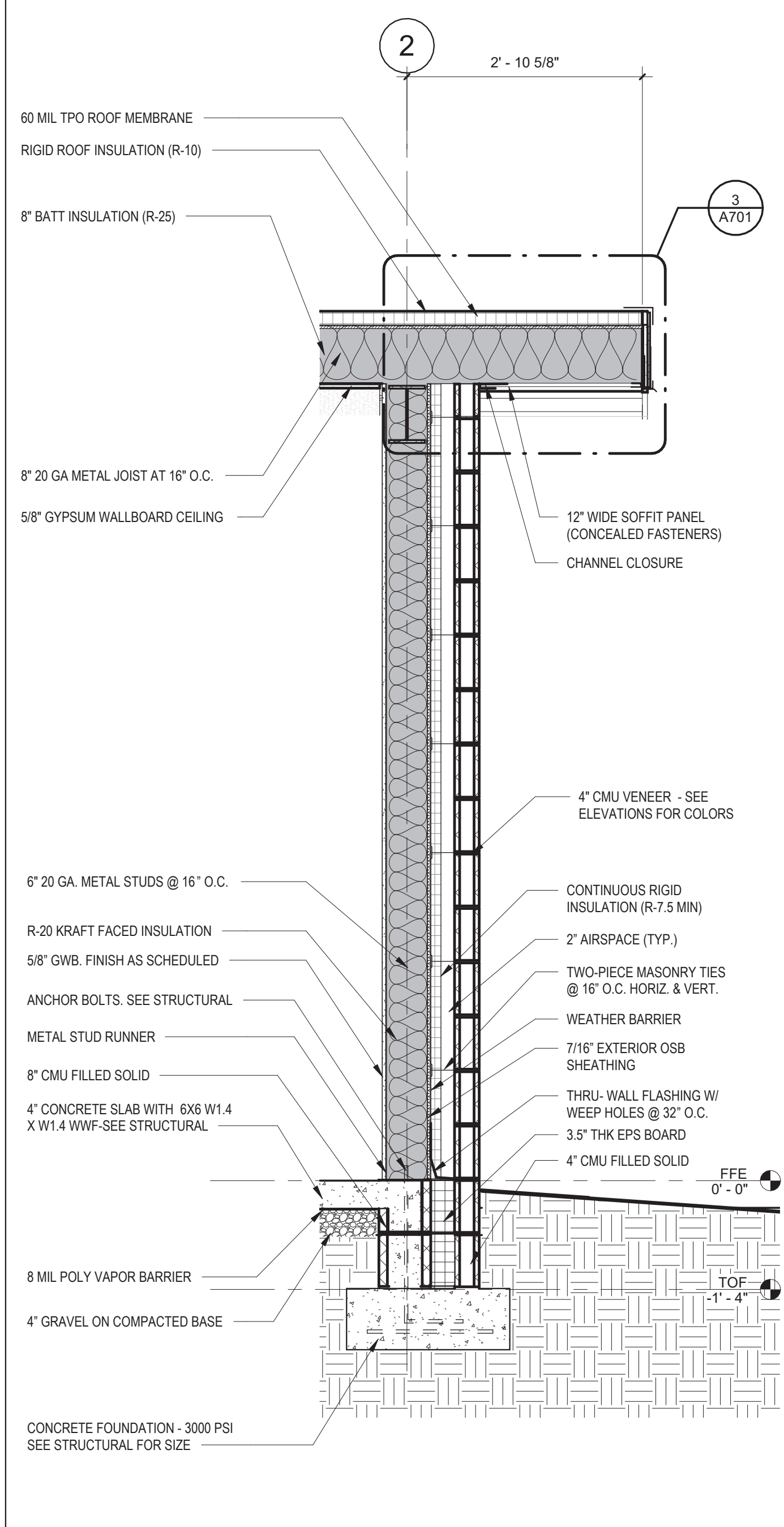
**3 ROOF DETAIL - RAKE**  
 1 1/2" = 1'-0"



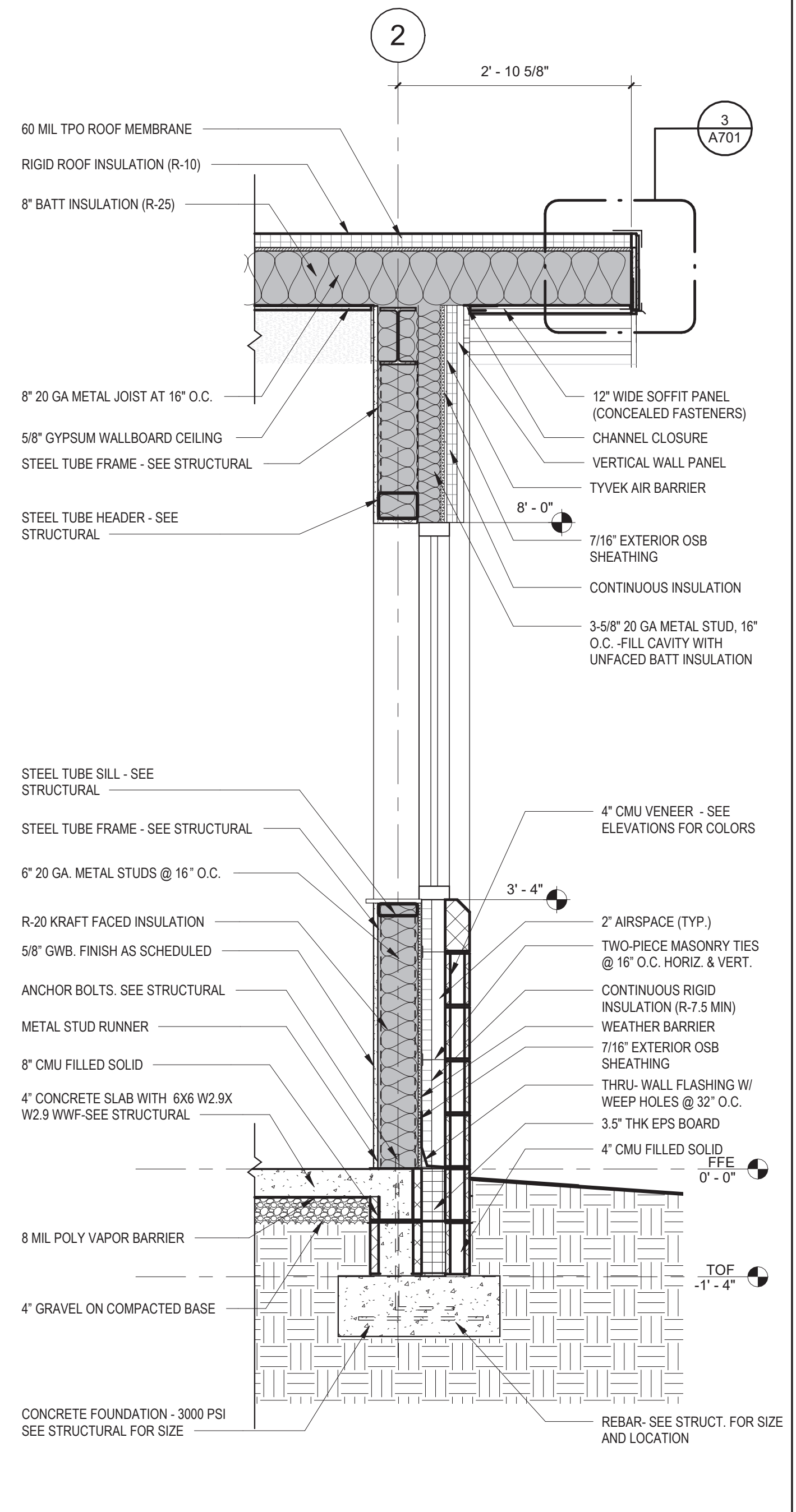
**4 WALL SECTION - LOW ROOF EDGE**  
 3/4" = 1'-0"



**5 WALL SECTION - HIGH ROOF EDGE**  
 3/4" = 1'-0"



**6 WALL SECTION - RAKE SIDE**  
 3/4" = 1'-0"

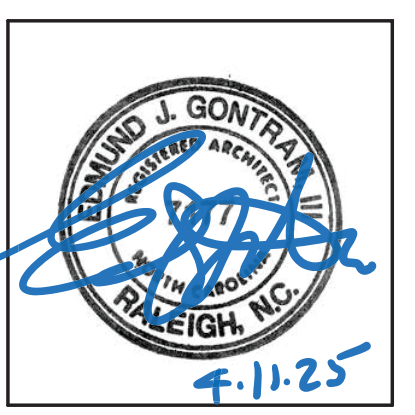


**7 WALL SECTION - RAKE (WINDOW)**  
 3/4" = 1'-0"



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**ATTENDANT BUILDING  
 PARKTON SOLID WASTE  
 CONVENIENCE CENTER**  
 PARKTON RD., PARKTON NC, NC 28371

ISSUED: 04/11/2025  
 FOR CONSTRUCTION

| Rev. | Date | Description |
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DRAWN BY: PJA APPROVED: E.J.G.  
 PROJECT NO.: 24077 RECORD:  
 CONTENTS: WALL SECTIONS

SHEET:  
**A701**

DIVISION 04 - MASONRY  
SECTION 042000  
UNIT MASONRY

PART 1 GENERAL

1.01 QUALITY ASSURANCE

- A. Comply with provisions of TMS 402/602, except where exceeded by requirements of Contract Documents.

PART 2 PRODUCTS

2.01 CONCRETE MASONRY UNITS

- A. Concrete Block: Comply with referenced standards and as follows:
  - 1. Size: Standard units with nominal face dimensions of 16 by 8 inches (400 by 200 mm) and nominal depths as indicated on drawings for specific locations.
  - 2. Load-Bearing Units: ASTM C90, normal weight.

2.02 MORTAR AND GROUT MATERIALS

- A. Masonry Cement: ASTM C91/C91M, Type N.
- B. Portland Cement: ASTM C150/C150M, Type I; color as required to produce approved color sample.
- C. Hydrated Lime: ASTM C207, Type S.
- D. Mortar Aggregate: ASTM C144.
- E. Grout Aggregate: ASTM C404.

- F. Packaged Dry Material for Mortar for Unit Masonry: Premixed masonry cement and mason's sand, complying with ASTM C1714/C1714M and capable of producing mortar of the specified strength in accordance with ASTM C270 with the addition of water only.
  - 1. Type: Type N.
  - 2. Color: Standard gray, (below grade)

2.03 REINFORCEMENT AND ANCHORAGE

- A. Reinforcing Steel: ASTM A615/A615M, Grade 40 (40,000 psi) (280 MPa), deformed billet bars; galvanized.
- B. Single Wythe Joint Reinforcement: ASTM A951/A951M.
  - 1. Type: Truss or ladder.
  - 2. Material: ASTM A1064/A1064M steel wire, mill galvanized to ASTM A641/A641M Class 3.
  - 3. Size: 0.1483 inch (3.8 mm) side rods with 0.1483 inch (3.8 mm) cross rods; width as required to provide not less than 5/8 inch (16 mm) of mortar coverage on each exposure.
- C. Multiple Wythe Joint Reinforcement: ASTM A951/A951M.
  - 1. Type: Truss.
  - 2. Material: ASTM A1064/A1064M steel wire, mill galvanized to ASTM A641/A641M Class 3.
  - 3. Size: 0.1483 inch (3.8 mm) side rods with 0.1483 inch (3.8 mm) cross rods; width as required to provide not less than 5/8 inch (16 mm) of mortar coverage on each exposure.

2.04 FLASHINGS

- A. Membrane Asphaltic Flashing Materials:
- B. Lap Sealants and Tapes: As recommended by flashing manufacturer; compatible with membrane and adhesives.

2.05 ACCESSORIES

- A. Preformed Control Joints: Rubber material. Provide with corner and tee accessories, fused joints.
- B. Joint Filler: Closed cell polyvinyl chloride; oversized 50 percent to joint width; self expanding; in maximum lengths available.
- C. Cavity Mortar Control: Semi-rigid polyethylene or polyester mesh panels, sized to thickness of wall cavity, and designed to prevent mortar droppings from clogging weeps and cavity vents and allow proper cavity drainage.

2.06 MORTAR AND GROUT MIXING

- A. Mortar for Unit Masonry: ASTM C270, using the Proportion Specification.
  - 1. Masonry below grade and in contact with earth: Type S.
  - 2. Exterior, loadbearing masonry: Type N.
  - 3. Exterior, non-loadbearing masonry: Type N.

PART 3 EXECUTION

3.01 COURSEING

- A. Establish lines, levels, and coursing indicated. Protect from displacement.
- B. Maintain masonry courses to uniform dimension. Form vertical and horizontal joints of uniform thickness.
- C. Concrete Masonry Units:
  - 1. Bond: Running.
  - 2. Coursing: One unit and one mortar joint to equal 8 inches (200 mm).
  - 3. Mortar Joints: Concave.

3.02 PLACING AND BONDING

- A. Lay solid masonry units in full bed of mortar, with full head joints, uniformly jointed with other work.
- B. Lay hollow masonry units with face shell bedding on head and bed joints.
- C. Perform job site cutting of masonry units with proper tools to provide straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.

3.03 WEEPS/CAVITY VENTS

- A. Install weeps in veneer and cavity walls at 32 inches (800 mm) on center horizontally on top of through-wall flashing above shelf angles and lintels and at bottom of walls.

3.04 CAVITY MORTAR CONTROL

- A. Do not permit mortar to drop or accumulate into cavity air space or to plug weep/cavity vents.

3.05 MASONRY FLASHINGS

- A. Whether or not specifically indicated, install masonry flashing to divert water to exterior at all locations where downward flow of water will be interrupted.
- B. Terminate flashing up 8 inches (203 mm) minimum on vertical surface of backing.
- C. Install flashing in accordance with manufacturer's instructions and BIA Technical Notes No. 7.
- D. Extend metal flashings through exterior face of masonry and terminate in an angled drip with hemmed edge. Install joint sealer below drip edge to prevent moisture migration under flashing.

3.06 LINTELS

- A. Install loose steel lintels over openings.

END OF SECTION  
DIVISION 07 - THERMAL AND MOISTURE PROTECTION  
SECTION 072700  
AIR BARRIERS

PART 1 PRODUCTS

1.01 AIR BARRIER MATERIALS (AIR IMPERMEABLE AND WATER VAPOR PERMEABLE)

- A. Air Barrier Sheet, Mechanically Fastened:
  - 1. Air Permeance: 0.004 cfm/sq ft (0.02 L/(s sq m)), maximum, when tested in accordance with ASTM E2178.
  - 2. Water Vapor Permeance: 10 perms (574 ng/(Pa s sq m)), minimum, when tested in accordance with ASTM E96/E96M using Procedure A - Desiccant Method, at 73.4 degrees F (23 degrees C).
  - 3. Ultraviolet (UV) and Weathering Resistance: Approved by manufacturer for up to 90 days of weather exposure.
  - 4. Surface Burning Characteristics: Flame spread index of 25 or less, and smoke developed index of 50 or less, Class A, when tested in accordance with ASTM E84.

- 5. Seam and Perimeter Tape: Polyethylene self-adhering type, mesh reinforced, 2-1/2 inches (64 mm) wide, compatible with sheet material; unless otherwise indicated.

1.02 ACCESSORIES

- A. Sealants, Tapes, and Accessories for Sealing Air Barrier and Adjacent Substrates: As indicated or in compliance with air barrier manufacturer's installation instructions.
- B. Flexible Flashing: Self-adhesive sheet flashing complying with ASTM D1970/D1970M, except slip resistance requirement waived if not installed on roof.
  - 1. Width: 4 inches (102 mm).
- C. Sill Plate Sealer: Closed-cell foam tape with rubberized adhesive membrane; bridges gap between foundation structure and sill plate or skirt board.
  - 1. Width: 3-1/2 inches (89 mm).

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install materials in accordance with manufacturer's installation instructions.
- B. Air Barriers: Install continuous airtight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.
- C. Apply sealants and adhesives within recommended temperature range in accordance with manufacturer's installation instructions.
- D. Mechanically Fastened Sheets - On Exterior:
  - 1. Install sheets shingle fashion to shed water, with seams generally horizontal.
- E. Openings and Penetrations in Exterior Air Barriers:
  - 1. Install flashing over sills, covering entire sill frame member, extending at least 5 inches (125 mm) onto air barrier and at least 6 inches (150 mm) up jambs; mechanically fasten stretched edges.

END OF SECTION  
SECTION 074213  
METAL WALL PANELS

PART 1 GENERAL

1.01 WARRANTY

- A. Finish Warranty: Provide 5-year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking. Complete forms in Owner's name and register with warrantor.

PART 2 PRODUCTS

2.01 METAL WALL PANEL SYSTEM

- A. Wall Panel System: Factory fabricated prefinished metal panel system, site assembled.
  - 1. Provide exterior wall panels and soffit panels.
  - 2. Design and size components to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of wall.
  - 3. Maximum Allowable Deflection of Panel: L/180 for length(L) of span.
  - 4. Movement: Accommodate movement within system without damage to components or deterioration of seals, movement between system and perimeter components when subject to seasonal temperature cycling; dynamic loading and release of loads; and deflection of structural support framing.
  - 5. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
  - 6. Fabrication: Formed true to shape, accurate in size, square, and free from distortion or defects; pieces of longest practical lengths.
  - 7. Corners: Factory-fabricated in one continuous piece with minimum 2-inch (51 mm) returns.
- B. Exterior Wall Panels:
  - 1. Profile: Vertical; style as indicated.
  - 2. Side Seams: Double-interlocked, tight-fitting, sealed with continuous gaskets.
  - 3. Material: Precoated steel sheet, 22 gauge, 0.0299 inch (0.76 mm) minimum thickness.
  - 4. Panel Width: 12 inches (\_\_\_ mm).
- C. Soffit Panels:
  - 1. Profile: Style as indicated, with venting not provided.
  - 2. Material: Precoated steel sheet, 22 gauge, 0.0299 inch (0.76 mm) minimum thickness.
- D. Internal and External Corners: Same material, thickness, and finish as exterior sheets; profile to suit system; shop cut and factory mitered to required angles.
- E. Expansion Joints: Same material, thickness and finish as exterior sheets; \_\_\_ gauge, \_\_\_ inch (\_\_\_ mm) thick; manufacturer's standard brake formed type, of profile to suit system.
- F. Trim: Same material, thickness and finish as exterior sheets; brake formed to required profiles.
- G. Anchors: Galvanized steel.

2.02 MATERIALS

- A. Precoated Steel Sheet: Hot-dipped galvanized steel sheet, ASTM A653/A653M, Structural Steel (SS) or Forming Steel (FS), with G90/Z275 coating; continuous coil-coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.

2.03 FINISHES

- A. Fluoropolymer Coil Coating System: Polyvinylidene fluoride (PVDF) multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent PVDF resin, and at least 80 percent of coil coated metal surfaces having minimum total dry film thickness (DFT) of 0.9 mil, 0.0009 inch (0.023 mm); color and gloss as selected by Architect from manufacturer's standard line.

2.04 ACCESSORIES

- A. Fasteners: Manufacturer's standard type to suit application; with soft neoprene washers, steel, hot dip galvanized. Fastener cap same color as exterior panel.
- B. Field Touch-up Paint: As recommended by panel manufacturer.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install panels on walls and soffits in accordance with manufacturer's instructions.
- B. Fasten panels to structural supports; aligned, level, and plumb.

END OF SECTION  
SECTION 075423  
THERMOPLASTIC POLYOLEFIN (TPO) MEMBRANE ROOFING - CARLISLE

PART 1 GENERAL

1.01 WARRANTY

- A. Material Warranty: Provide membrane manufacturer's warranty agreeing to replace material that shows manufacturing defects within 10 years after installation.
- B. System Warranty: Provide manufacturer's system warranty agreeing to repair or replace roofing that leaks or is damaged due to wind or other natural causes.
  - 1. Warranty Term: 20 years.
  - 2. For repair and replacement include costs of both material and labor in warranty.
  - 3. Include accidental punctures according to the manufacturer's standard warranty terms.
  - 4. Include hail damage according to the manufacturer's standard warranty terms.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Carlisle SynTec Systems: www.carlisle-syntec.com/#se.

- B. Substitutions: Allowed.

2.02 ROOFING APPLICATIONS

- A. TPO Membrane Roofing: One ply membrane, asphalt adhered, over insulation.
- B. Roofing Assembly Performance Requirements and Design Criteria:
  - 1. Insulation Thermal Resistance (R-Value): Provide R-Value over entire roof deck in accordance with local building code requirements.

2.03 ROOFING MEMBRANE AND ASSOCIATED MATERIALS

- A. Membrane:
  - 1. Material: Thermoplastic Polyolefin (TPO) complying with ASTM D6878/D6878M.
  - 2. Reinforcing: Internal fabric.
  - 3. Thickness: 60 mil (0.060 inch) (1.5 mm), minimum.
  - 4. Sheet Width: Factory fabricated into largest sheets possible.
  - 5. Color: White.
  - 6. Products:
    - a. Carlisle SynTec Systems; Sure-Weld.
- B. Seaming Materials: As recommended by membrane manufacturer.
- C. Flexible Flashing Material: Same material as membrane.
- D. Base Flashing: Provide waterproof, fully adhered base flashing system at all penetrations, plane transitions, and terminations.

2.04 INSULATION

- A. Polyisocyanurate (ISO) Board Insulation: Complies with ASTM C1289, Type II, Class 1 - Faced with glass-reinforced felt on both surfaces of core foam.
  - 1. Grade and Compressive Strength: Grade 2, 20 psi (Grade 2, 138 kPa), minimum.

2.05 ACCESSORIES

- A. Prefabricated Flashing Accessories:
  - 1. Corners and Seams: Same material as membrane, in manufacturer's standard thicknesses.
  - 2. Penetrations: Same material as membrane, with manufacturer's standard cut-outs, rigid inserts, clamping rings, and flanges.
  - 3. Sealant Pockets: Same material as membrane, with manufacturer's standard accessories, in manufacturer's standard configuration.
  - 4. Pressure Sensitive Cover Strips: 6 inches (152 mm) wide, 45 mil, 0.045 inch (1.1 mm) thick, non-reinforced TPO membrane laminated to 35 mil, 0.035 inch (0.9 mm) thick cured synthetic rubber with pressure sensitive adhesive.
  - 5. Pressure Sensitive Cover Strips: 6 inches (152 mm) wide, 45 mil, 0.045 inch (1.1 mm) thick, non-reinforced TPO membrane laminated to 35 mil, 0.035 inch (0.9 mm) thick cured synthetic rubber with pressure sensitive adhesive.
  - 6. Miscellaneous Flashing: Non-reinforced TPO membrane; 80 mil, 0.080 inch (2.0 mm) thick, in manufacturer's standard lengths and widths.
- B. Insulation Fasteners: Appropriate for purpose intended and approved by roofing manufacturer.
- C. Membrane Adhesive: As recommended by membrane manufacturer.
- D. Surface Conditioner for Adhesives: Compatible with membrane and adhesives.
- E. Sealants: As recommended by membrane manufacturer.
- F. Cleaner: Manufacturer's standard, clear, solvent-based cleaner.
- G. Edgings and Terminations: Manufacturer's standard edge and termination accessories.

PART 3 EXECUTION

3.01 INSTALLATION - GENERAL

- A. Perform work in accordance with manufacturer's instructions and NRCA (RM) applicable requirements.
- B. Do not apply roofing membrane during unsuitable weather.
- C. Do not apply roofing membrane when ambient temperature is outside the temperature range recommended by manufacturer.
- D. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.
- E. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.

END OF SECTION  
SECTION 076200  
SHEET METAL FLASHING AND TRIM

PART 1 GENERAL

1.01 QUALITY ASSURANCE

- A. Perform work in accordance with SMACNA (ASMM) and CDA A4050 requirements and standard details, except as otherwise indicated.

PART 2 PRODUCTS

2.01 SHEET MATERIALS

- A. Pre-Finished Galvanized Steel: ASTM A653/A653M, with G90/Z275 zinc coating; minimum 24-gauge, 0.0239-inch (0.61 mm) thick base metal, shop pre-coated with PVDF coating.
  - 1. Polyvinylidene Fluoride (PVDF) Coating: Superior performing organic powder coating, AAMA 2605, multiple coat, thermally cured fluoropolymer finish system.

2.02 FABRICATION

- A. Form sections true to shape, accurate in size, square, and free from distortion or defects.
- B. Form pieces in longest possible lengths.
- C. Form material with flat lock seams, except where otherwise indicated; at moving joints, use sealed lapped, bayonet-type or interlocking hooked seams.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Secure flashings in place using concealed fasteners, and use exposed fasteners only where permitted.

END OF SECTION  
DIVISION 08 - OPENINGS  
SECTION 081113  
HOLLOW METAL DOORS AND FRAMES

PART 1 GENERAL

1.01 DELIVERY, STORAGE, AND HANDLING

- A. Comply with NAAMM H1MA 840 or ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.

PART 2 PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

- A. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior door that is also indicated as being sound-rated must comply with the requirements specified for exterior doors and for sound-rated doors; where two requirements conflict, comply with the most stringent.

2.02 HOLLOW METAL FRAMES

- A. Comply with standards and/or custom guidelines as indicated for corresponding door in accordance with applicable door frame requirements.
- B. Frame Finish: Factory primed and field finished.
- C. Interior Door Frames, Non-Fire Rated: Knock-down type.
  - 1. Frame Metal Thickness: 18 gauge, 0.042 inch (1.0 mm), minimum.
  - 2. Frame Finish: Factory primed and field finished.

2.03 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.
- B. Coordinate frame anchor placement with wall construction.

END OF SECTION  
SECTION 081416  
FLUSH WOOD DOORS

PART 1 GENERAL

1.01 QUALITY ASSURANCE

1.02 WARRANTY

- A. Manufacturer Warranty: Provide manufacturer's warranty on interior doors for the life of the installation. Complete forms in Owner's name and register with manufacturer.
  - 1. Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.

PART 2 PRODUCTS

2.01 DOORS AND PANELS

- A. Doors: See drawings for locations and additional requirements.
  - 1. Quality Standard: Custom Grade, Heavy Duty performance, in accordance with AWI/AWMACWI (AWS) or AWMACWI (NAAWS), unless noted otherwise.
  - 2. Wood Veneer Faced Doors: 5-ply or 7-ply unless otherwise indicated.
- B. Interior Doors: 1-3/4 inches (44 mm) thick unless otherwise indicated; flush construction.
  - 1. Provide solid core doors at each location.
  - 2. Wood veneer facing for field transparent finish as indicated on drawings.

2.02 DOOR AND PANEL CORES

- A. Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated.

2.03 DOOR FACINGS

- A. Veneer Facing for Transparent Finish: White birch, veneer grade in accordance with quality standard indicated, plain sliced (flat cut), with book match between leaves of veneer, running match of spliced veneer leaves assembled on door or panel face.
  - 1. Vertical Edges: Any option allowed by quality standard for grade.

2.04 DOOR CONSTRUCTION

- A. Fabricate doors in accordance with door quality standard specified.
- B. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.
- C. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.
  - 1. Exception: Doors to be field finished.

2.05 FINISHES - WOOD VENEER DOORS

- A. Finish work in accordance with AWI/AWMACWI (AWS) or AWMACWI (NAAWS). Section 5 - Finishing for grade specified and as follows:
  - 1. Transparent:
    - a. System - 12, Polyurethane, Water-based.
    - b. Stain: As selected by Architect.
    - c. Sheen: Satin.
  - 2. Seal door top edge with color sealer to match door facing.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
- B. Coordinate installation of doors with installation of frames and hardware.

END OF SECTION  
SECTION 084313  
ALUMINUM-FRAMED STOREFRONTS

PART 1 GENERAL

PART 2 PRODUCTS

2.01 ALUMINUM-FRAMED STOREFRONT

- A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
  - 1. Glazing Position: Centered (front to back).
  - 2. Finish: Superior performing organic coatings.
    - a. Factory finish all surfaces that will be exposed in completed assemblies.
    - b. Touch-up surfaces cut during fabrication so that no natural aluminum is visible in completed assemblies, including joint edges.
  - 3. Finish Color: As indicated on drawings.
  - 4. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.
  - 5. Construction: Eliminate noises caused by wind and thermal movement, prevent vibration harmonics, and prevent "stack effect" in internal spaces.
  - 6. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.
- B. Performance Requirements
  - 1. Wind Loads: Design and size components to withstand the specified load requirements without damage or permanent set, when tested in accordance with ASTM E330/E330M, using loads 1.5 times the design wind loads and 10 second duration of maximum load.
    - a. Member Deflection: Limit member deflection to flexure limit of glass in any direction, with full recovery of glazing materials.
  - 2. Air Leakage: 0.06 cfm/sq ft (0.3 L/sec sq m) maximum leakage of storefront wall area when tested in accordance with ASTM E283/E283M at 1.57 psf (75 Pa) pressure difference.
  - 3. Air Leakage: 0.06 cfm/sq ft (0.3 L/sec sq m) maximum leakage of storefront wall area when tested in accordance with ASTM E283/E283M at 1.57 psf (75 Pa) pressure difference.

2.02 COMPONENTS

- A. Aluminum Framing Members: Tubular aluminum sections, thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
  - 1. Glazing Stops: Flush.
- B. Swing Doors: Glazed aluminum.
  - 1. Thickness: 1-3/4 inches (43 mm).
  - 2. Top Rail: 4 inches (100 mm) wide.
  - 3. Vertical Sills: 4-1/2 inches (115 mm) wide.
  - 4. Bottom Rail: 10 inches (254 mm) wide.
  - 5. Glazing Stops: Square.
  - 6. Finish: Same as storefront.

2.03 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M).
- B. Fasteners: Stainless steel.

2.04 FINISHES

- A. Class 1 Natural Anodized Finish: AAMA 611 AA-M12C22A41 Clear anodic coating not less than 0.7 mils (0.018 mm) thick.

2.05 HARDWARE

- A. For each door, include weatherstripping, sill sweep strip, and threshold.
- B. Weatherstripping: Wool pile, continuous and replaceable; provide on all doors.
- C. Sill Sweep Strips: Resilient seal type, retracting, of neoprene; provide on all doors.
- D. Threshold: Extruded aluminum, one piece per door opening, ribbed surface; provide on all doors.
- E. Hinges: Butt type, swing clear; top and bottom.
- F. Push/Pull Set: Standard configuration push/pull handles.
- G. Door Closers: Exposed overhead.
- H. Locks: Dead latch with turn handle inside; keyed cylinder outside.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- C. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.

END OF SECTION  
SECTION 087100  
DOOR HARDWARE

PART 1 GENERAL

1.01 ADMINISTRATIVE REQUIREMENTS

- A. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- B. Keying Requirements Meeting:
  - 1. Attendance Required.
  - 2. Agenda.
  - 3. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:

1.02 WARRANTY

- A. Manufacturer's Warranty: Provide warranty against defects in material and workmanship for period indicated. Complete forms in Owner's name and register with manufacturer.
  - 1. Closers: Five years, minimum.
  - 2. Locksets and Cylinders: Three years, minimum.
  - 3. Other Hardware: Two years, minimum.

PART 2 PRODUCTS

2.01 DESIGN AND PERFORMANCE CRITERIA

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
- B. Provide door hardware products that comply with the following requirements:
  - 1. Applicable provisions of federal, state, and local codes.
  - 2. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.1/15V.
  - 3. Fasteners:
- C. Fasteners:
  - 1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.

2.02 HINGES

- A. Hinges: Comply with BHMA A156.1, Grade 1.
  - 1. Provide hinges on every swinging door.
  - 2. Provide five-knuckle full mortise butt hinges unless otherwise indicated.
  - 3. Provide ball-bearing hinges at each door with closer.
  - 4. Provide non-removable pins on exterior outswinging doors.
  - 5. Provide following quantity of butt hinges for each door:
    - a. Doors up to 60 inches (1.5 m) High: Two hinges.
    - b. Doors From 60 inches (1.5 m) High up to 90 inches (2.3 m) High: Three hinges.
    - c. Doors 90 inches (2.3 m) High up to 120 inches (3 m) High: Four hinges.
    - d. Doors over 120 inches (3 m) High: One additional hinge per each additional 30 inches (762 mm) in height.

2.03 LOCK CYLIND

**SECTION 092116  
GYPSUM BOARD ASSEMBLIES**

**PART 1 GENERAL**

**PART 2 PRODUCTS**

**2.01 GYPSUM BOARD ASSEMBLIES**

- A. Provide completed assemblies complying with ASTM C840 and GA-216.
- B. Interior Partitions, Indicated as Acoustic: Provide completed assemblies with the following characteristics:
  1. Acoustic Attenuation: STC of 45-49 calculated in accordance with ASTM E413, based on tests conducted in accordance with ASTM E90.

**2.02 METAL FRAMING MATERIALS**

- A. Steel Sheet: ASTM A1003/A1003M, subject to the ductility limitations indicated in AISI S220 or equivalent.
- B. Nonstructural Framing System Components: AISI S220; galvanized sheet steel, of size and properties necessary to comply with ASTM C754 for the spacing indicated, with maximum deflection of wall framing of L/120 at 5 psf (L/120 at 240 Pa).
  1. Studs: C-shaped with knurled or embossed faces.
  2. Runners: U shaped, sized to match studs.

**2.03 BOARD MATERIALS**

- A. Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M, sizes to minimize joints in place; ends square cut.
  1. Application: Use for vertical surfaces and ceilings, unless otherwise indicated.
  2. Thickness:
    - B. Ceiling Board: Special sag resistant gypsum ceiling board as defined in ASTM C1396/C1396M, sizes to minimize joints in place; ends square cut.
      1. Application: Ceilings, unless otherwise indicated.
      2. Thickness: 1/2 inch (13 mm).
      3. Edges: Tapered.

**2.04 GYPSUM BOARD ACCESSORIES**

**PART 3 EXECUTION**

**3.01 FRAMING INSTALLATION**

- A. Metal Framing: Install in accordance with ASTM C1007/AISI S220 and manufacturer's instructions.

**3.02 ACOUSTIC ACCESSORIES INSTALLATION**

- A. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and light to items passing through partitions.

**3.03 BOARD INSTALLATION**

- A. Comply with ASTM C840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.
- B. Single-Layer Nonrated: Install gypsum board in most economical direction, with ends and edges occurring over firm bearing.
- C. Installation on Metal Framing: Use screws for attachment of gypsum board except face layer of nonrated double-layer assemblies, which may be installed by means of adhesive lamination.

**3.04 JOINT TREATMENT**

- A. Paper Faced Gypsum Board: Use paper joint tape, embed with drying type joint compound and finish with drying type joint compound.
- B. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
  1. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
  2. Level 1: Fire-resistance-rated wall areas above finished ceilings, whether or not accessible in the completed construction.

**END OF SECTION  
SECTION 096500  
RESILIENT FLOORING**

**PART 1 GENERAL**

**PART 2 PRODUCTS**

**2.01 TILE FLOORING**

- A. Vinyl Composition Tile - \_\_\_\_: Homogeneous, with color extending throughout thickness.
  1. Minimum Requirements: Comply with ASTM F1066, of Class corresponding to type specified.
  2. Size: 12 by 12 inch (305 by 305 mm).
  3. Thickness: 0.125 inch (3.2 mm).
  4. Color: To be selected by Architect from manufacturer's full range.

**2.02 RESILIENT BASE**

- A. Resilient Base: ASTM F1861, Type TS, rubber, vulcanized thermoset; style as scheduled.
  1. Height: 4 inches (100 mm).
  2. Thickness: 0.125 inch (3.2 mm).
  3. Finish: Satin.
  4. Length: Roll.
  5. Color: To be selected by Architect from manufacturer's full range.

**2.03 ACCESSORIES**

- A. Primers, Adhesives, and Seam Sealer: Waterproof, types recommended by flooring manufacturer.
- B. Moldings, Transition and Edge Strips: Same material as flooring.

**PART 3 EXECUTION**

**3.01 INSTALLATION - GENERAL**

- A. Starting installation constitutes acceptance of subfloor conditions.
- B. Install in accordance with manufacturer's written instructions.

**3.02 INSTALLATION - TILE FLOORING**

- A. Mix tile from container to ensure shade variations are consistent when tile is placed, unless otherwise indicated in manufacturer's installation instructions.
- B. Lay flooring with joints and seams parallel to building lines to produce symmetrical pattern.

**3.03 INSTALLATION - RESILIENT BASE**

- A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches (45 mm) between joints.

**END OF SECTION  
SECTION 099123  
INTERIOR PAINTING**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.
- B. Do Not Paint or Finish the Following Items:
  1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
  2. Items indicated to receive other finishes.
  3. Items indicated to remain unfinished.
  4. Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.
  5. Floors, unless specifically indicated.
  6. Glass.
  7. Concealed pipes, ducts, and conduits.

**PART 2 PRODUCTS**

**2.01 PAINTS AND FINISHES - GENERAL**

- A. Paints and Finishes: Ready-mixed, unless intended to be a field-catalyzed paint.
  1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
  2. Supply each paint material in quantity required to complete entire project's work from a single production run.
  3. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

**2.02 PAINT SYSTEMS - INTERIOR**

- A. Paint I-OP - Interior Surfaces to be Painted, Unless Otherwise Indicated: Including gypsum board, uncoated steel, shop primed steel, and galvanized steel.
  1. Two top coats and one coat primer.
  2. Top Coat Sheen:
    - a. Eggshell: MPI gloss level 3; use this sheen at all locations.
    - b. Satin: MPI gloss level 4; use this sheen for items subject to frequent touching by occupants, including door frames and railings.
- B. Paint I-OP-MD-DT - Medium Duty Door/Trim: For surfaces subject to frequent contact by occupants, including metals and wood:
  1. Two top coats and one coat primer.
  2. Top Coat(s): High Performance Architectural Interior Latex; MPI #138, 139, 140, or 141.
  3. Top Coat Sheen:

**PART 3 EXECUTION**

**3.01 EXAMINATION**

- A. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces is below the following maximums:
  1. Gypsum Wallboard: 12 percent.
  2. Interior Wood: 15 percent, measured in accordance with ASTM D4442.

**3.02 PREPARATION**

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

**3.03 APPLICATION**

- A. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".
- B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

**END OF SECTION  
DIVISION 10 - SPECIALTIES  
SECTION 102800  
TOILET, BATH, AND LAUNDRY ACCESSORIES**

**PART 2 PRODUCTS**

**1.01 MANUFACTURERS**

**1.02 MATERIALS**

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
- B. Mirror Glass: Annealed float glass, ASTM C1036 Type I, Class 1, Quality Q2, with silvering, protective and physical characteristics complying with ASTM C1503.

**1.03 FINISHES**

- A. Stainless Steel: Satin finish, unless otherwise noted.
- B. Chrome/Nickel Plating: ASTM B456, SC 2, polished finish, unless otherwise noted.

**1.04 COMMERCIAL TOILET ACCESSORIES**

- A. Toilet Paper Dispenser: Double roll, surface mounted bracket type, stainless steel, spindleless type for tension spring delivery designed to prevent theft of tissue roll.
- B. Paper Towel Dispenser: Folded paper type, stainless steel, surface-mounted, with viewing slots on sides as refill indicator and tumbler lock.
  1. Capacity: 300 C-fold minimum.
- C. Mirrors: Stainless steel framed, 1/4 inch (6 mm) thick annealed float glass; ASTM C1036.
- D. Grab Bars: Stainless steel, smooth surface.
  1. Standard Duty Grab Bars:
    - a. Push/Pull Point Load: 250 pound-force (1112 N), minimum.
    - b. Dimensions: 1-1/4 inch (32 mm) outside diameter, minimum 0.05 inch (1.3 mm) wall thickness, exposed flange mounting, 1-1/2 inch (38 mm) clearance between wall and inside of grab bar.
    - c. Length and Configuration: As indicated on drawings.

**PART 3 EXECUTION**

**2.01 INSTALLATION**

- A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.

**END OF SECTION**



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ATTENDANT BUILDING  
PARKTON SOLID WASTE  
CONVENIENCE CENTER  
PARKTON RD., J. PARKTON NC., NC 28371

ISSUED:  
04/11/2025

FOR CONSTRUCTION

Rev. Date Description

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DRAWN BY: APPROVED:

Author E.J.G.

PROJECT NO.: RECORD:

24077

CONTENTS:

SPECIFICATIONS

SHEET:

AS-002

STRUCTURAL NOTES

I. GENERAL

1. DESIGN CODES

- NORTH CAROLINA BUILDING CODE, 2018 EDITION (AMENDED 2015 INTERNATIONAL BUILDING CODE)
  - ACI BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
  - AISC MANUAL OF STEEL CONSTRUCTION - ALLOWABLE STRESS DESIGN NINTH EDITION
  - ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
2. DESIGN LOADS
- RISK CATEGORY II
- LIVE LOADS: FIRST FLOOR: 100 PSF  
ROOF: 20 PSF
- ULTIMATE DESIGN WIND SPEED: 122 MPH
- GROUND SNOW LOAD 10 PSF
- SEISMIC DESIGN CATEGORY C  
SITE CLASS D  
Ss = 0.241  
S1 = 0.103

3. ALL ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR ELEVATION OF 0'-0". SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

4. DETAILED SHOP DRAWINGS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. STRUCTURAL STEEL SHOP DRAWINGS SHALL REQUIRE APPROVAL PRIOR TO FABRICATION.

5. ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY.

6. ROSS LINDEN ENGINEERS PC ASSUMES NO LIABILITY FOR CHANGES OR MODIFICATIONS MADE TO THESE DRAWINGS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THESE DRAWINGS.

II. CONCRETE

1. UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL HAVE THE FOLLOWING STRENGTH AND SLUMP REQUIREMENTS:  
3,500 PSI 28-DAY COMPRESSIVE STRENGTH, MAX. 5" SLUMP.

2. ALL CONCRETE SHALL BE MOIST CURED PER ACI 301 OR CURED WITH AN APPROVED CURING COMPOUND. CONTRACTOR SHALL VERIFY THAT THE CURING COMPOUND IS COMPATIBLE WITH FLOOR COVERING ADHESIVES, COATINGS, OR TOPPING TO BE USED. CONCRETE SHALL BE CURED FOR A MINIMUM OF 7 DAYS.

3. UNLESS OTHERWISE NOTED, ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL, CONFORMING TO ASTM A-615, GRADE 60, DEFORMED.

4. UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION, AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. (ACI 315)

5. ALL BAR SPLICES SHALL BE CLASS "B" TENSION SPLICES PER ACI 318-14, UNLESS OTHERWISE SHOWN.

6. ANCHOR BOLTS TO BE ASTM A36 OR A307.

7. CONTRACTOR SHALL REFER TO DRAWINGS OF OTHER TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES NOT SHOWN ON THE STRUCTURAL DRAWINGS.

8. A GEOTECHNICAL REPORT BY GEOTECHNOLOGIES DATED 1 APRIL 2025 HAS BEEN USED AS THE BASIS OF THIS DESIGN. ALL SPREAD FOOTINGS ARE DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 2,000 PSF. A GEOTECHNICAL REPRESENTATIVE SHALL INSPECT ALL FOOTING EXCAVATIONS TO CONFIRM ALLOWABLE BEARING PRESSURES.

9. PROVIDE TWO (2) #5 x 4'-0" LONG DIAGONAL BARS IN TOP FACE OF ALL SLABS (1" CLEAR) AT ALL RE-ENTRANT CORNERS.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, PROTECTING, AND RELOCATING AS REQUIRED ALL SERVICE AND UTILITY LINES IN VICINITY OF THE WORK SITE.

11. CONTRACTOR SHALL VERIFY ALL SIZES AND LOCATIONS OF ALL MECHANICAL AND ELECTRICAL OPENINGS AND EQUIPMENT PADS WITH THE MECHANICAL AND ELECTRICAL DETAILS AND SHOP DRAWINGS BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL OPENINGS AND SLEEVES FOR PROPER DISTRIBUTION FOR ALL UTILITIES THROUGHOUT THE BUILDING.

12. ALL DOWELS WHICH ARE TO BE DRILLED AND GROUTED INTO EXISTING CONCRETE SHALL BE DONE WITH AN EPOXY GROUT. DRILL HOLE WITH DIAMETER 1/8" LARGER THAN DOWEL OR AS RECOMMENDED BY GROUT SUPPLIER. USE HIT-RE 500 V3 BY HILTI OR APPROVED EQUAL.

III. MASONRY

1. MASONRY CONSTRUCTION SHALL COMPLY WITH ACI 530.1-13/ASCE 6-13: "SPECIFICATION FOR MASONRY STRUCTURES."
2. ASSUMED MASONRY PROPERTIES: UNIT COMPRESSIVE STRENGTH 1900 PSI, TYPE S MORTAR, PARTIAL GROUT, RUNNING BOND.

IV. STRUCTURAL STEEL

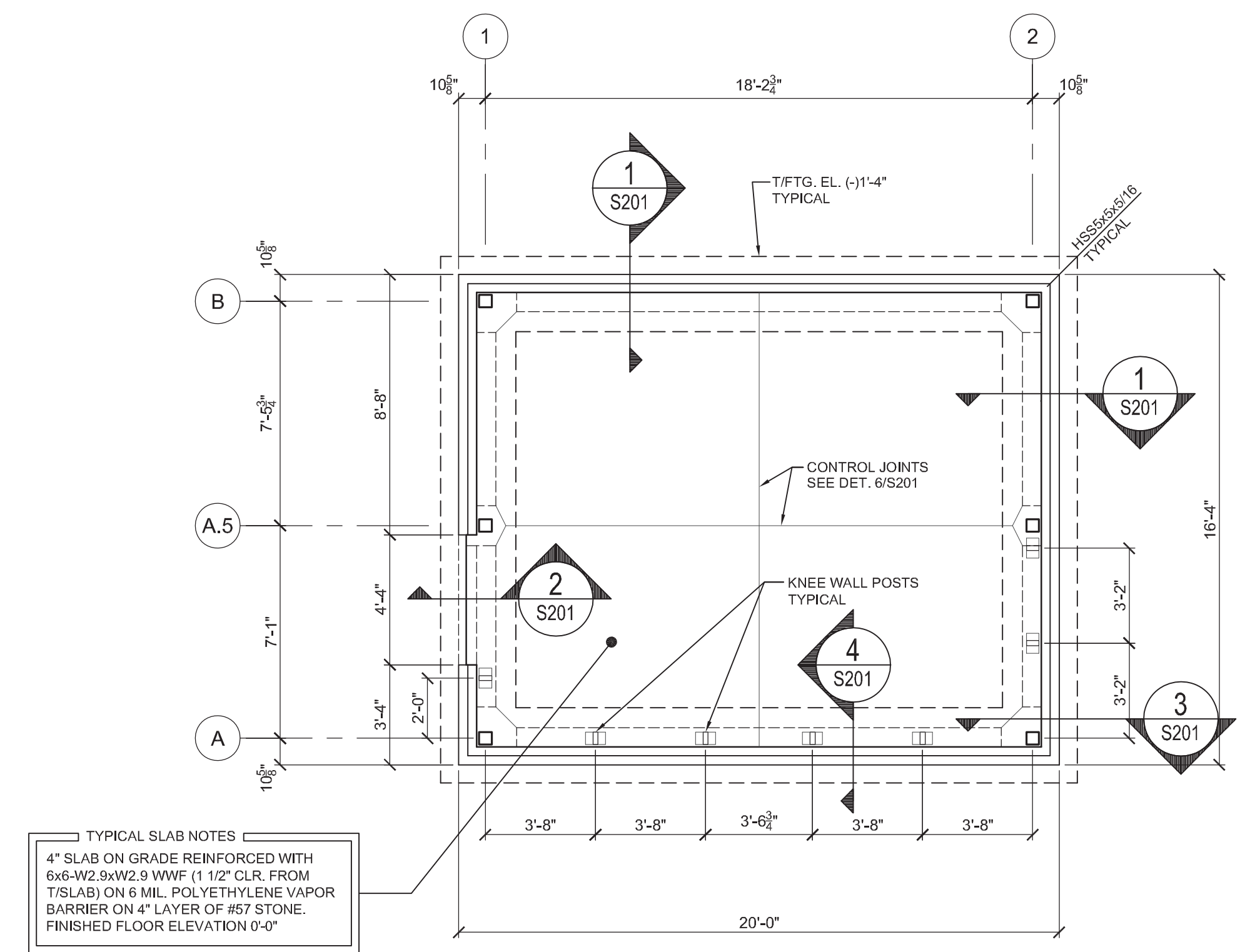
1. SEE FRAMING PLANS FOR BOTTOM OF BASE PLATE ELEVATIONS.
2. ALL STRUCTURAL STEEL WIDE FLANGE BEAMS AND COLUMNS, UNLESS NOTED, SHALL CONFORM TO THE REQUIREMENTS OF ASTM A992 OR ASTM A572, GRADE 50. ANGLES AND CHANNELS SHALL CONFORM TO ASTM A36. TUBES SHALL CONFORM TO ASTM A500, GRADE B.
3. ALL DETAILING, FABRICATION, AND ERECTION OF STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SPECIFICATIONS FOR BUILDINGS, LATEST EDITION.
4. UNLESS OTHERWISE NOTED, ALL SHOP CONNECTIONS SHALL BE MADE BY WELDING OR HIGH STRENGTH BOLTING. (3/4" DIAMETER BOLTS, MINIMUM)
5. WELDS SHALL BE MADE WITH E-70XX ELECTRODES BY CERTIFIED WELDERS.
6. UNLESS OTHERWISE NOTED, ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER HIGH STRENGTH BOLTS (ASTM A-325). CONNECTIONS SHALL BE DESIGNED AS BEARING TYPE WITH THREADS IN SHEAR PLANE. BOLTS SHALL BE TIGHTENED TO THE SNUG TIGHT CONDITION PER "AISC" UNLESS NOTED OTHERWISE ON THE DRAWINGS.
7. UNLESS OTHERWISE SHOWN, ALL BEAM CONNECTIONS SHALL BE STANDARD FRAMED OR SEATED CONNECTIONS AS SHOWN IN PART 10 OF THE AISC MANUAL OF STEEL CONSTRUCTION. UNLESS REACTIONS ARE INDICATED ON THE DRAWINGS, CONNECTIONS SHALL DEVELOP AT LEAST ONE-HALF OF THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE TABLES OF THE MANUAL FOR THE GIVEN SHAPE AND SPAN OF THE BEAM IN QUESTION. IN NO CASE, HOWEVER, SHALL THE LENGTH OF THE FRAMED CONNECTIONS BE LESS THAN ONE-HALF OF THE "T" DISTANCE OF THE BEAM WEB.
8. GUSSET PLATES SHALL BE 3/8" THICK MINIMUM.
9. ALL COLUMN ANCHOR BOLT HOLES TO BE OVERSIZED IN ACCORDANCE WITH RECOMMENDATIONS OF "AISC" MANUAL FOR "DETAILING FOR STEEL CONSTRUCTION."
10. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL BRACING CONNECTIONS SHALL BE DESIGNED AND DETAILED SO THAT ALL FORCE COMPONENTS CAN BE DELIVERED DIRECTLY TO THE CENTERLINE OF INTERSECTING MEMBERS. ALTERNATELY, CONNECTIONS SHALL BE DESIGNED TO ACCOUNT FOR RESULTING ECCENTRICITIES.
11. CONTRACTOR TO PROVIDE ADEQUATE BRACING FOR STRUCTURE SO THAT IT WILL BE STABLE DURING ALL STAGES OF CONSTRUCTION. THE STRUCTURE AND FOUNDATIONS ARE DESIGNED FOR A COMPLETED CONDITION ONLY AND THEREFORE REQUIRES ADDITIONAL SUPPORT TO MAINTAIN STABILITY BEFORE COMPLETION.

V. LIGHT GAUGE STEEL FRAMING

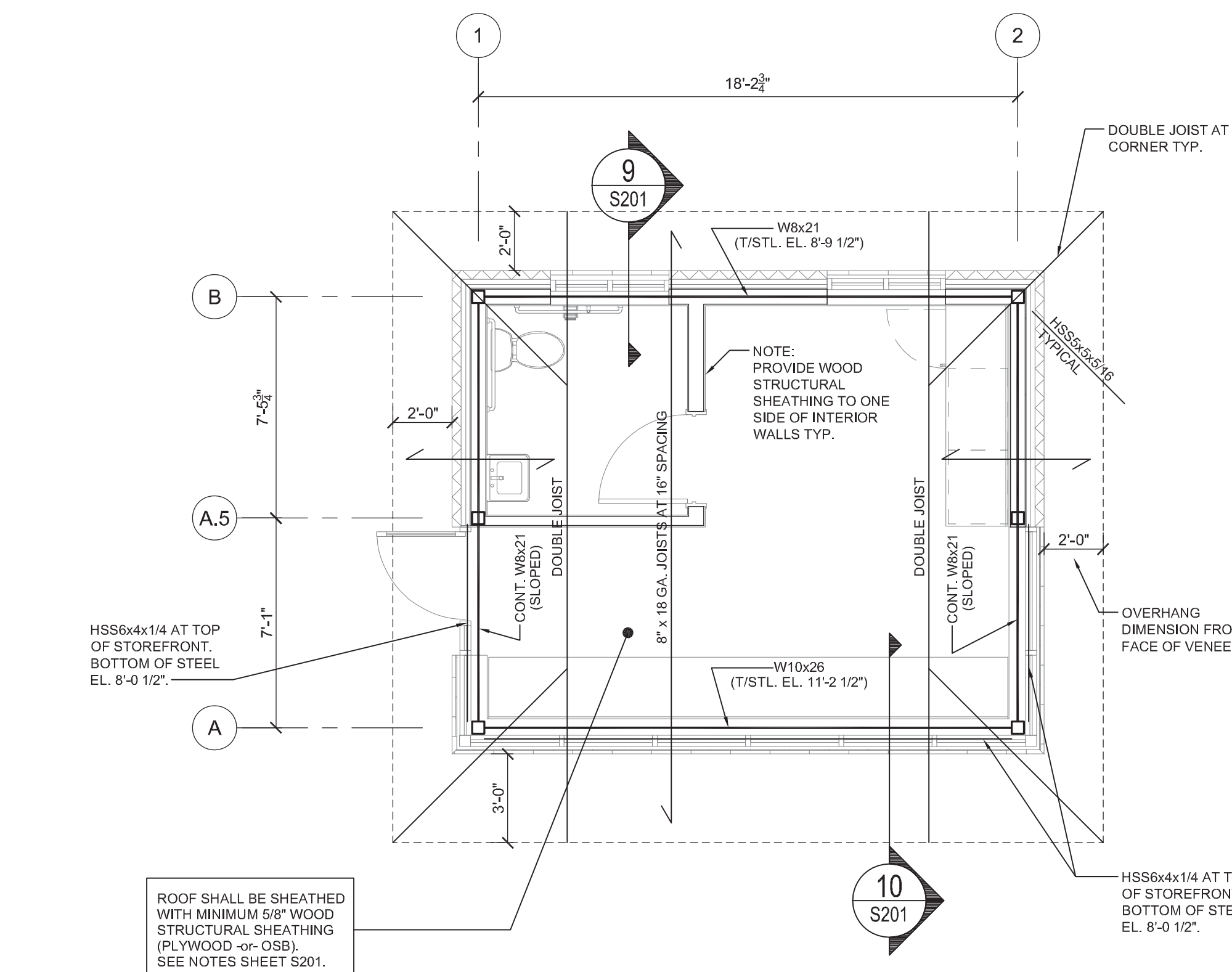
1. INSTALLATION OF LIGHT GAUGE STEEL FRAMING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
2. WALL STUDS SHALL HAVE THE FOLLOWING PROPERTIES:  
16" MAX. SPACING  
STUD DEPTH = 6"  
FLANGE WIDTH = 1 5/8"  
18 GAUGE STEEL
3. PROVIDE MIN. 18 GA. BOTTOM TRACK AND ANCHOR TO SLAB WITH POWDER ACTUATED FASTENERS AT 16" O.C.
4. SEE ARCH. DWGS. FOR WALL FINISH MATERIALS. PROVIDE GYPSUM BOARD ON ALL INTERIOR WALLS (MINIMUM 1/2"). FASTEN ALL PANELS WITH 1 1/4" SCREWS AT 7" o.c. AT TOP AND BOTTOM PLATES AND ALL STUDS FOR INTERIOR SIDE OF EXTERIOR WALLS, AND 12" o.c. AT TOP AND BOTTOM PLATES AND ALL STUDS FOR ALL OTHER WALLS. GYPSUM SHALL BE APPLIED PERPENDICULAR TO FRAMING.
5. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH MINIMUM 7/16" WOOD STRUCTURAL SHEATHING (PLYWOOD -or- OSB) WITH BLOCKING AT ALL JOINTS. FASTEN ALL PANELS WITH SCREWS AT 3" o.c. AT ALL EDGES AND AT 6" o.c. AT INTERMEDIATE FRAMING.
6. SEE TYPICAL WALL SECTION FOR ADDITIONAL INFORMATION.

VI. WOOD

1. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH MINIMUM 7/16" SHEATHING WITH BLOCKING AT ALL JOINTS. FASTEN ALL PANELS WITH SCREWS AT 4" o.c. AT ALL EDGES AND AT 8" o.c. AT INTERMEDIATE FRAMING. ORIENT PANEL EDGE PARALLEL WITH FRAMING.
2. PROVIDE MINIMUM 1/2" GYPSUM BOARD ON BOTH SIDES OF FULL-HEIGHT INTERIOR WALLS WITH INTERMEDIATE SUPPORT AT ALL JOINTS. FASTEN ALL PANELS WITH 1 1/4" SCREWS AT 7" o.c. AT TOP AND BOTTOM PLATES AND ALL STUDS. GYPSUM SHALL BE APPLIED PERPENDICULAR TO FRAMING.
3. ROOF FRAMING SHALL BE SHEATHED WITH MINIMUM 5/8" WOOD STRUCTURAL SHEATHING (PLYWOOD -or- OSB). PROVIDE PLYWOOD EDGE CLIPS BETWEEN PANELS.



1 SLAB AND FOUNDATION PLAN  
S101 1/4" = 1'-0"



2 ROOF FRAMING PLAN  
S101 1/4" = 1'-0"



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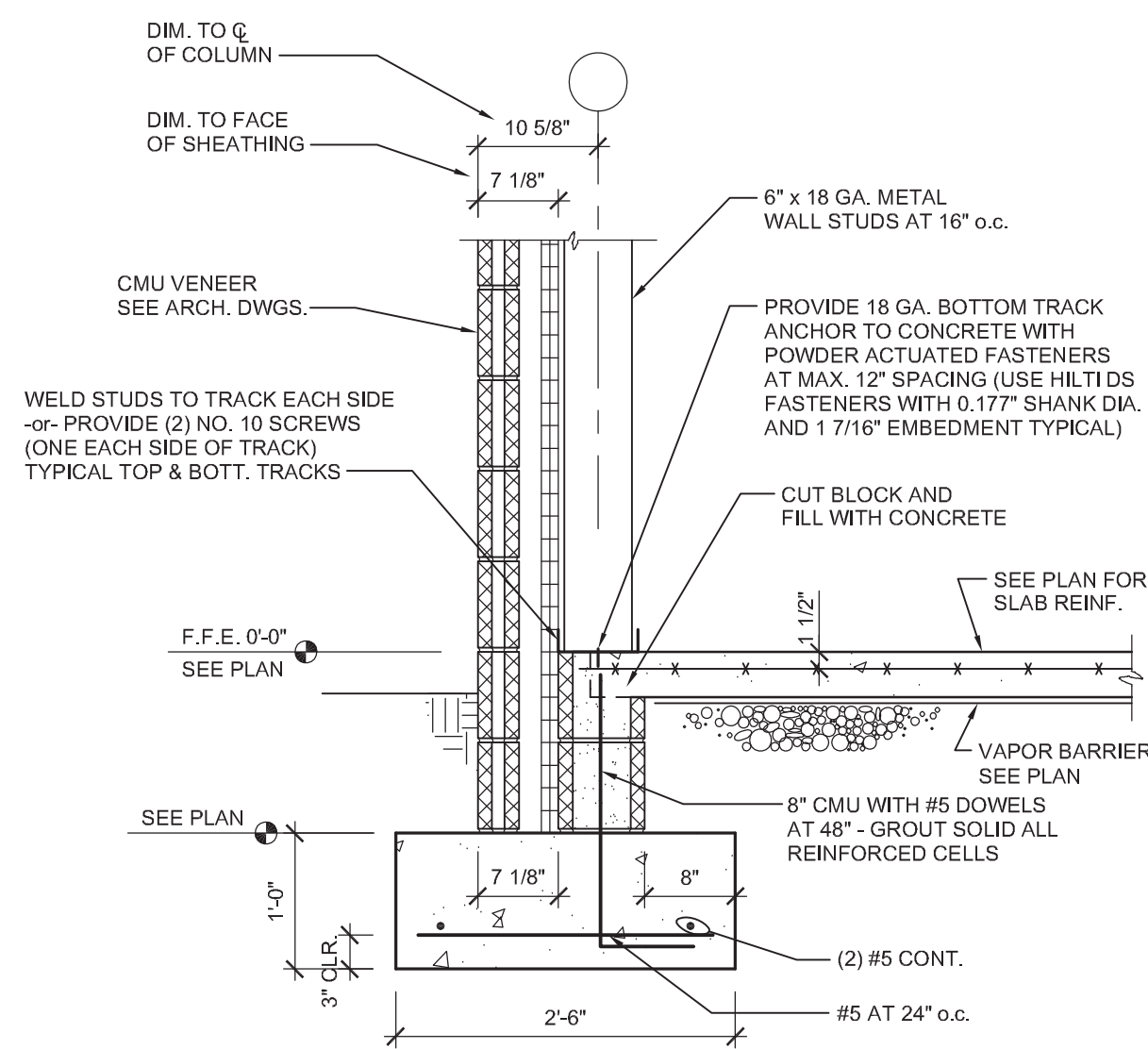
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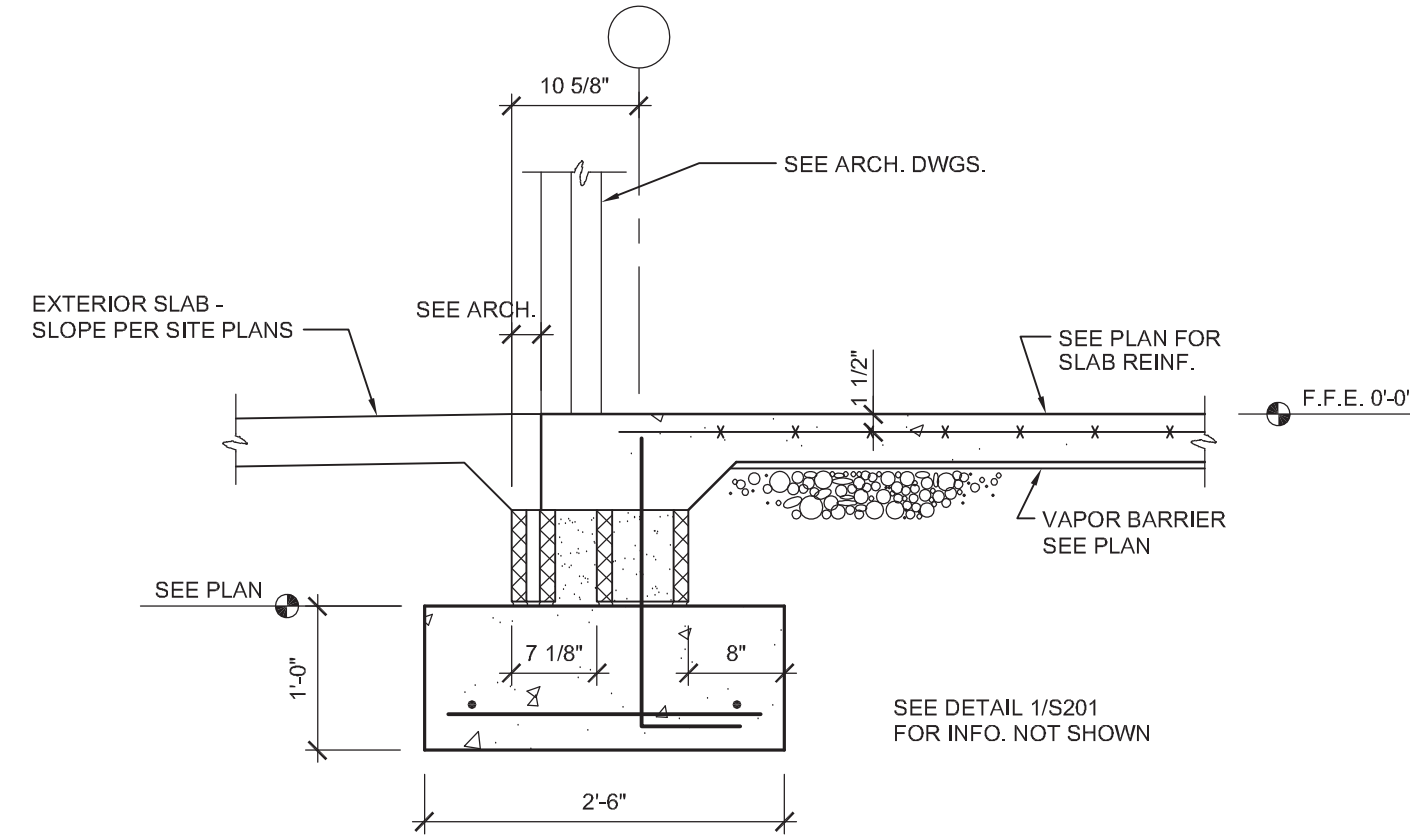
DRAWN BY:  
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APPROVED:  
SS/EG  
PROJECT NO.:  
C250306  
RECORD:

CONTENTS:  
FOUNDATION AND  
FRAMING PLANS

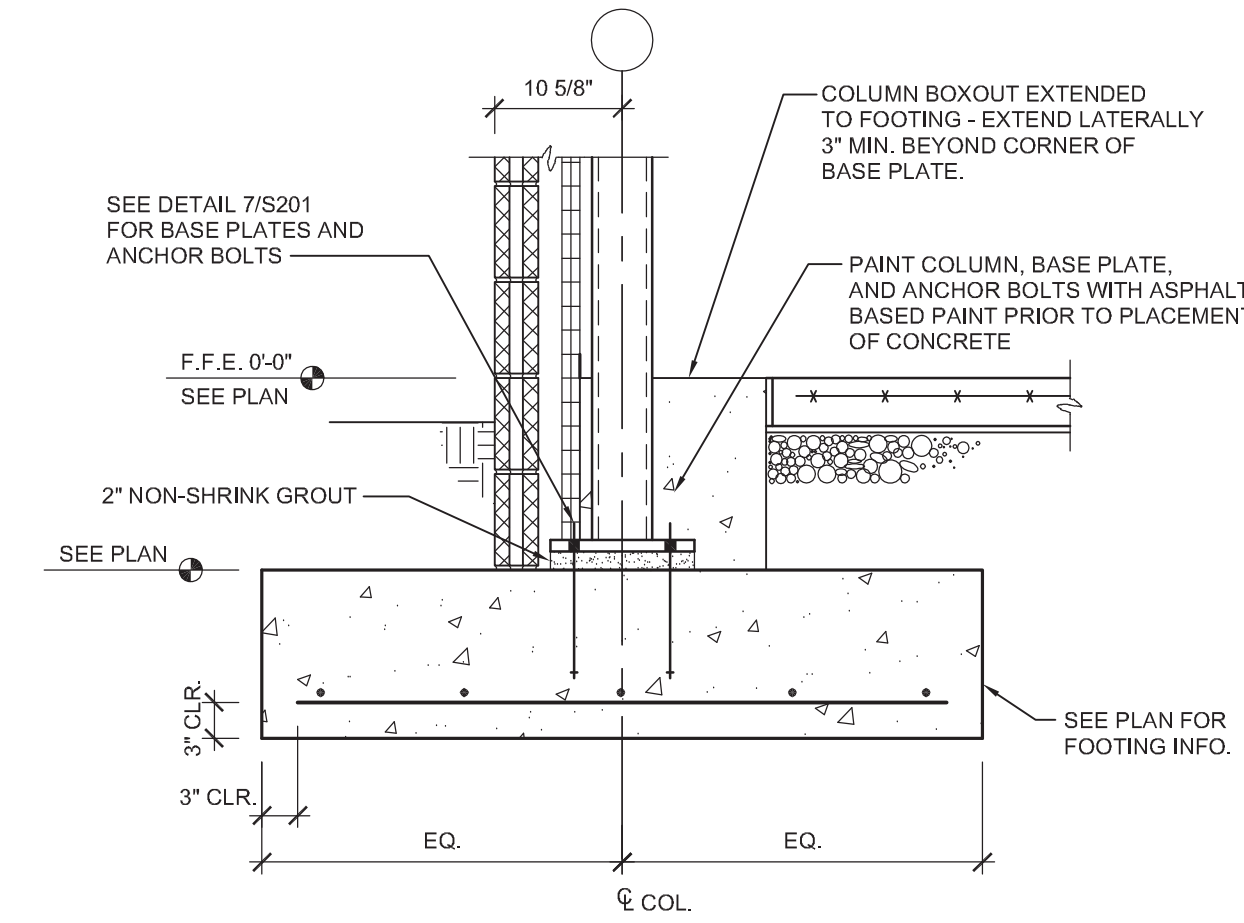
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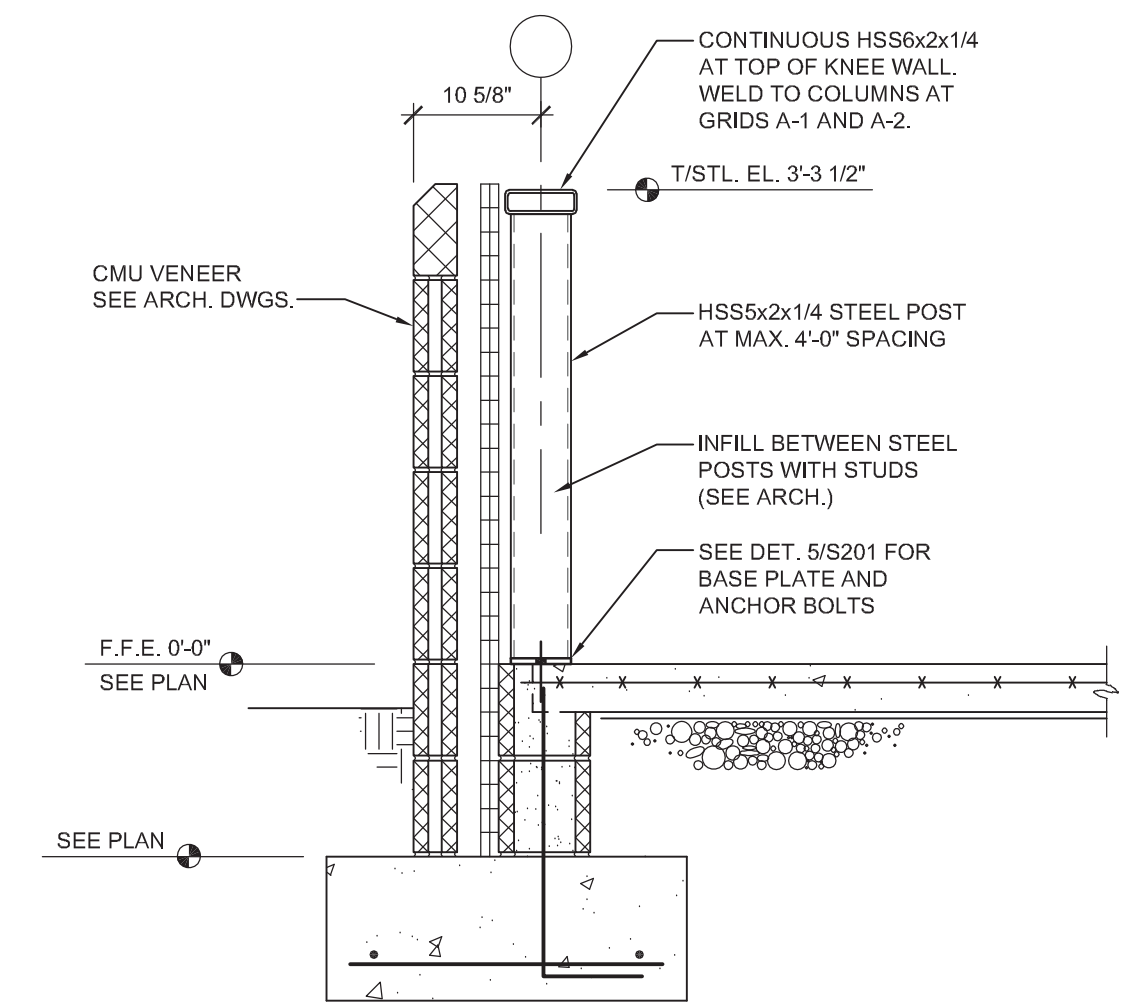
**1** DETAIL - PERIMETER FOOTING  
S201 3/4" = 1'-0"



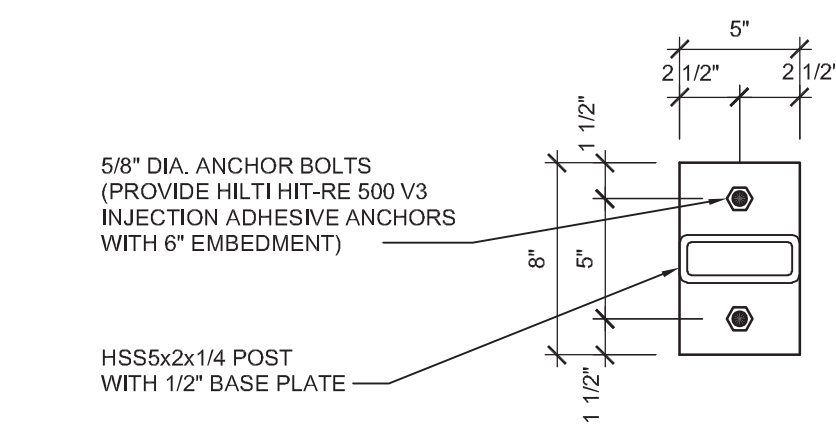
**2** DETAIL - SLAB EDGE AT DOORS  
S201 3/4" = 1'-0"



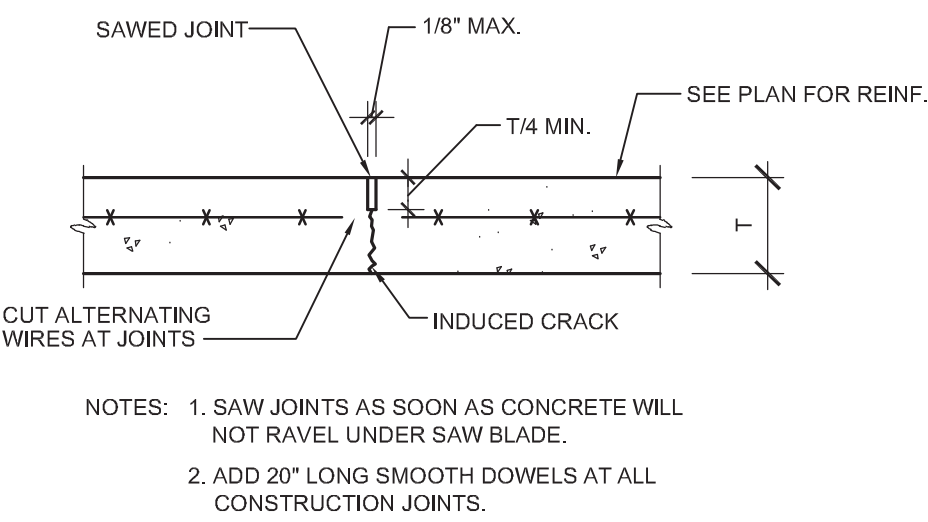
**3** DETAIL - COLUMN FOOTING  
S201 3/4" = 1'-0"



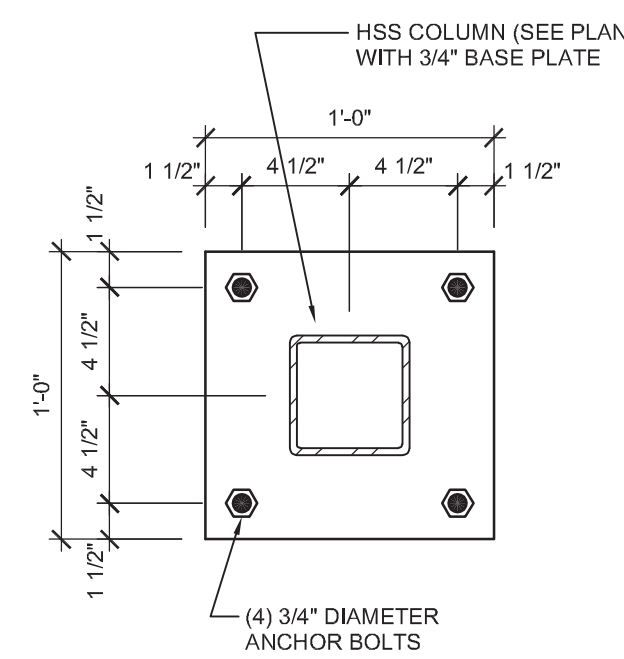
**4** DETAIL - KNEE WALL  
S201 3/4" = 1'-0"



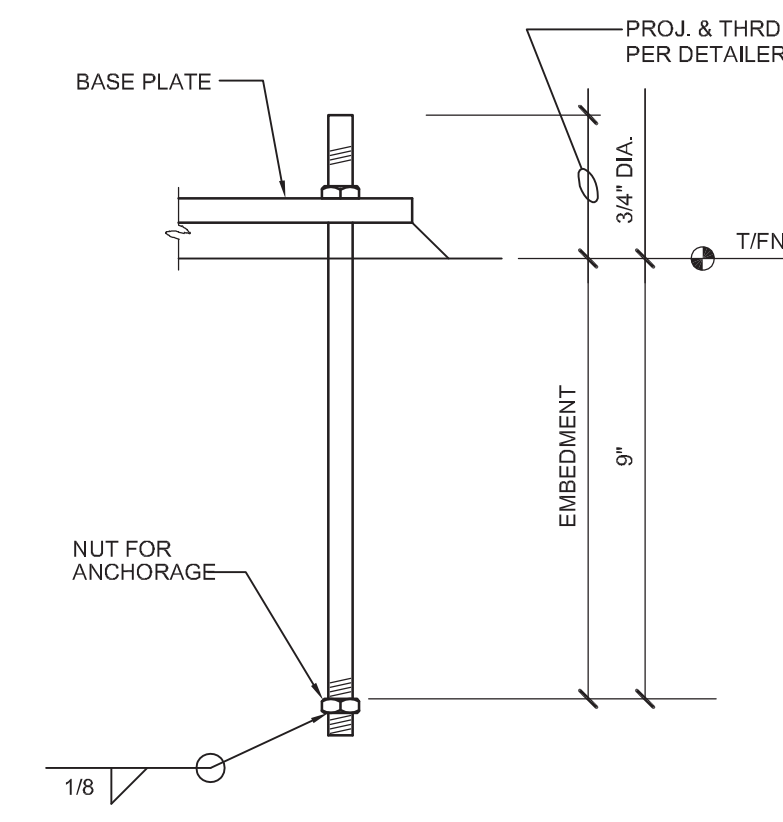
**5** POST BASE PLATE  
S201 1 1/2" = 1'-0"



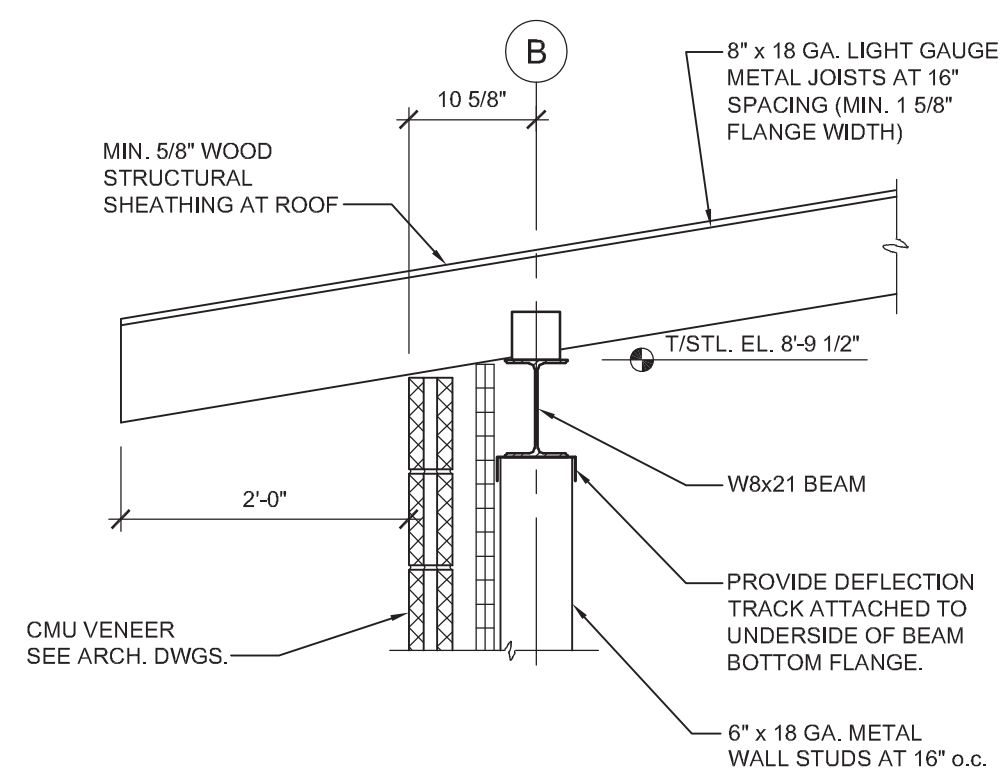
**6** DETAIL - TYP. SLAB CONTROL JOINT  
S201 1" = 1'-0"



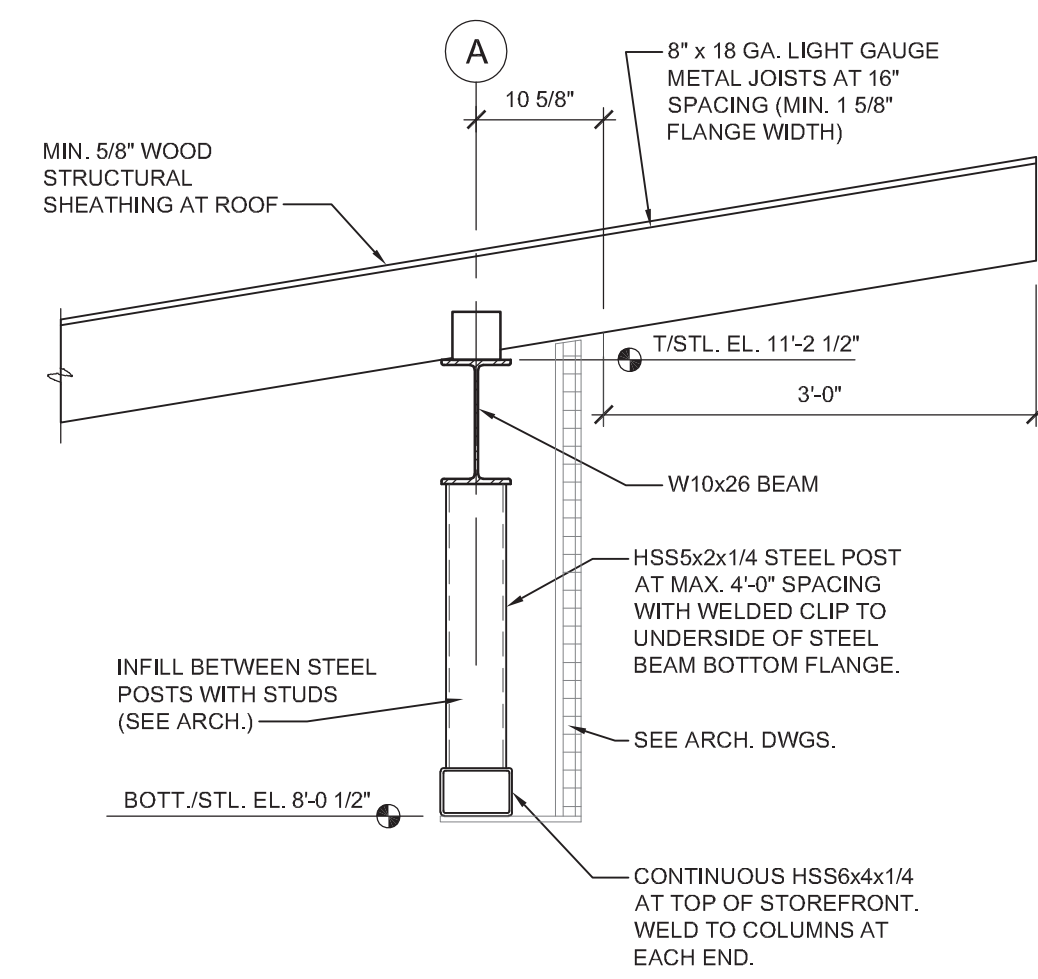
**7** BASE PLATE DETAIL  
S201 1 1/2" = 1'-0"



**8** TYP. ANCHOR BOLT DETAIL  
S201 NO SCALE



**9** FRAMING SECTION  
S201 3/4" = 1'-0"



**10** FRAMING SECTION  
S201 3/4" = 1'-0"



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SS/EG  
PROJECT NO.:  
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RECORD:

CONTENTS:  
SECTIONS AND  
DETAILS

SHEET:  
S201



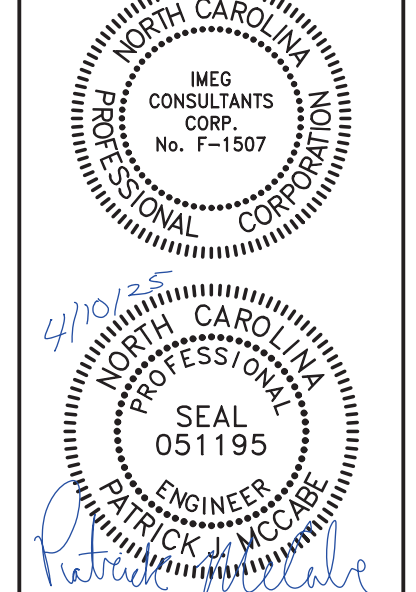
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REVISION:

DRAWN BY: JAD APPROVED: PJM  
PROJECT NO.: 24077 RECORD:

CONTENTS:  
PLUMBING PLAN

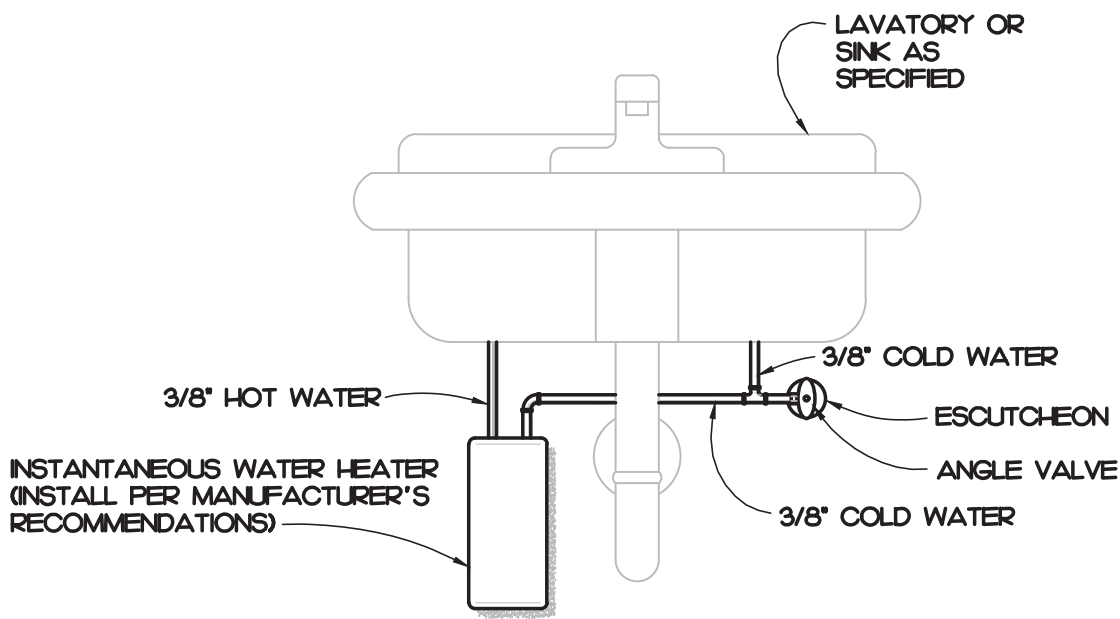
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P101

### PLUMBING FIXTURE SCHEDULE

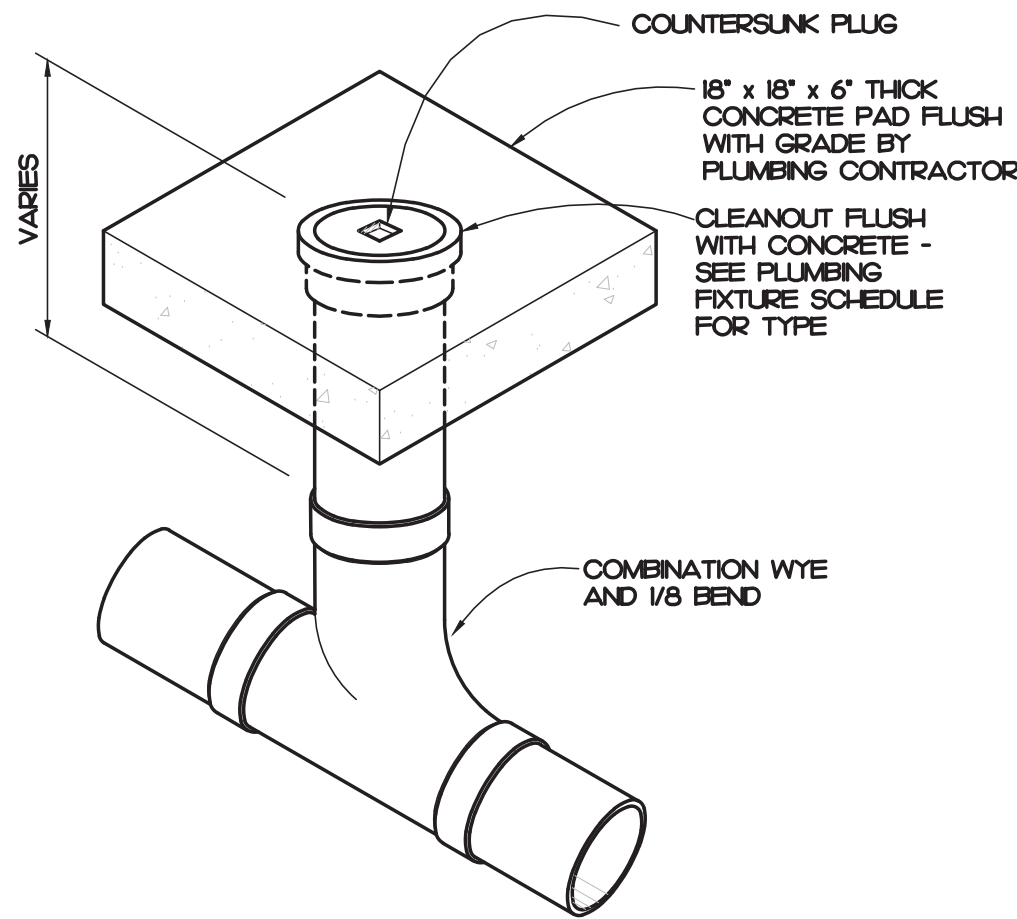
| SYMBOL / IMAGE | DESCRIPTION  | 3 - EQUALS   |               |                   |              |                   |              | PPING CONNECTIONS |           |                       |
|----------------|--|--------------|---------------|-------------------|--------------|-------------------|--------------|-------------------|-----------|-----------------------|
|                |  | MANUFACTURER | MODEL NUMBER  | MANUFACTURER      | MODEL NUMBER | MANUFACTURER      | MODEL NUMBER | COLD WATER        | HOT WATER | SANITARY SEWER        |
| COH            | EXTERIOR CLEANOUT  | ZURN         | Z-4449-BP     | WATTS             | CO-380-34B   | JR SMITH          | 4283         | -                 | -         | SEE PLUMBING DRAWINGS |
|                | CLEANOUT FERRULE WITH CAST IRON BODY, WITH GAS AND WATERTIGHT BRONZE PLUG, MOUNT IN CONCRETE.  |              |               |                   |              |                   |              |                   |           |                       |
| LH             | LAVATORY   | KOHLER       | K-2861-O      | AMERICAN STANDARD | 0355.012     | ZURN              | Z5834        |                   |           |                       |
|                | FALUCET  | DELTA        | 523LF-HGM-HDF | CHICAGO FALUCETS  | 2200-4       | MOEN              | 8470         |                   |           |                       |
|                | TRAP   | McGUIRE      | 8902          | DEARBORN BRASS    | 7024         | KOHLER            | K-8999       |                   |           | 2"                    |
|                | SUPPLY   | McGUIRE      | 85LK          | BRASS CRAFT       | R992AC       | KOHLER            | K-7605-P-CP  | 1/2"              | 1/2"      |                       |
|                | WALL HUNG LAVATORY SHALL BE MADE OF CAST IRON WITH A WHITE FINISH, HAVE 4" CENTERS, AN OVERFLOW, SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. DECK MOUNTED FALUCET SHALL BE CHROME FINISH, SINGLE LEVER, 4" CENTERS, WITH 3/8" COPPER SUPPLY TUBE INLETS, AND PROVIDED WITH AN AERATOR. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS, FULL TURN BRASS STEM, REDUCER, AND FLANGE. INLET SHALL BE 3/8" IPS, OUTLET SHALL BE 3/8" IPS. P-TRAP SHALL BE CHROME PLATED CAST BRASS BODY WITH CLEANOUT, CAST BRASS ELBOW AND CAST BRASS SLIP NUT, AND FLANGE. PROVIDE WITH OFFSET DRAIN, TRILEBRO LAV SHIELD, AND WATER TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B25.3. |              |               |                   |              |                   |              |                   |           |                       |
| WC-1           | WATER CLOSET   | KOHLER       | K-9979        | TOTO              | CST744SL     | AMERICAN STANDARD | 25AA004.020  |                   |           | 4"                    |
|                | SEAT   | BEMIS        | K655SC        | KOHLER            | K-4670-C-O   | CHURCH            |              |                   |           |                       |
|                | SUPPLY   | BRASSCRAFT   | CS40DLCL      | KOHLER            | K-7638       | McGUIRE           | 185          | 1/2"              |           |                       |
|                | 1/6 GPF TOILET SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND A 12" ROUGH-IN. TOILET SHALL INCLUDE POLISHED CHROME TRIP LEVER. SEAT SHALL BE EXTRA HEAVY WEIGHT SOLID PLASTIC WITH OPEN FRONT LESS COVER FOR ELONGATED BOWL. SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS, FULL TURN BRASS STEM AND FLANGE. INLET SHALL BE 3/8" IPS, OUTLET SHALL BE 3/8" IPS. THE FLUSHING LEVER MECHANISM SHALL BE ON THE WIDE SIDE OF THE STALL.   |              |               |                   |              |                   |              |                   |           |                       |
| WH             | WATER HEATER   | EMAX         | SP2412        |                   |              |                   |              | 3/8"              | 3/8"      |                       |
|                | ELECTRIC INSTANTANEOUS WATER HEATER SHALL HAVE AN ELECTRIC INPUT OF 24 KW AT 120 VOLT, SINGLE PHASE. WIRING BY LICENSED ELECTRICAL CONTRACTOR.   |              |               |                   |              |                   |              |                   |           |                       |

#### PLUMBING SCHEDULE NOTES AND LEGEND:

1. THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS' APPROVAL.
  2. SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.
  3. PROVIDE VACUUM BREAKER ON ALL EQUIPMENT REQUIRING PLUMBING.
  4. REFER TO MANUFACTURERS WEB SITE FOR CUT SHEETS AND DATA ON THE FIXTURES AND APPURTENANCES USED IN THIS SCHEDULE.
- ADA COMPLIANT  
 ELECTRICAL POWER  
 GAS FIRED



5 WATER HEATER DETAIL  
NOT TO SCALE



NOTE: SEE SITE AND/OR UTILITY PLAN FOR LOCATION AND FINISH GRADE ELEVATION

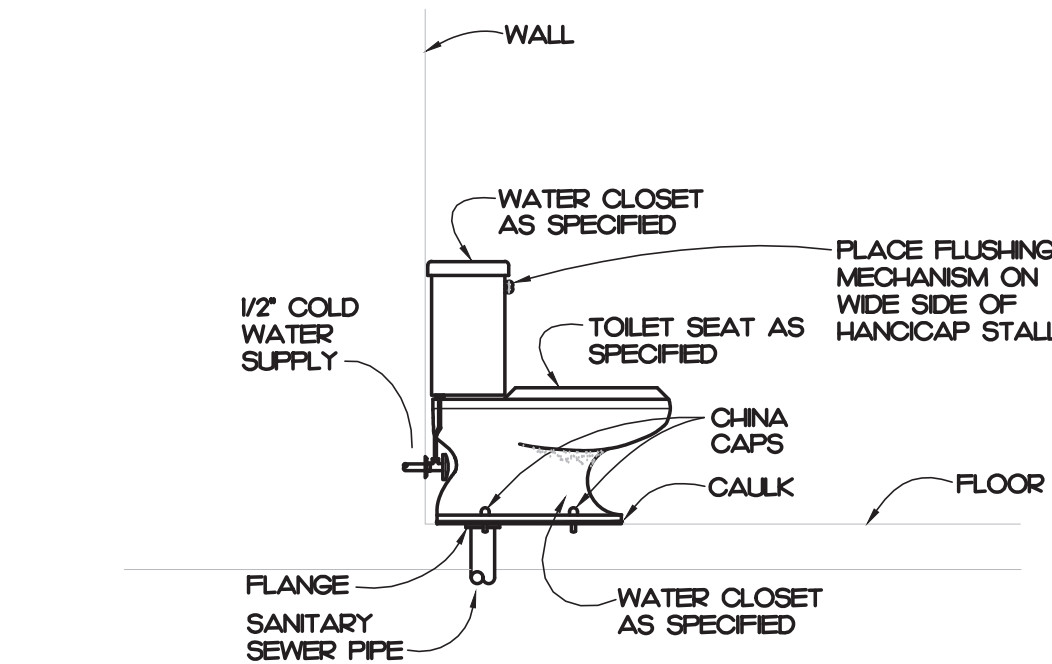
6 CLEANOUT DETAIL  
NOT TO SCALE

### PLUMBING GENERAL NOTES

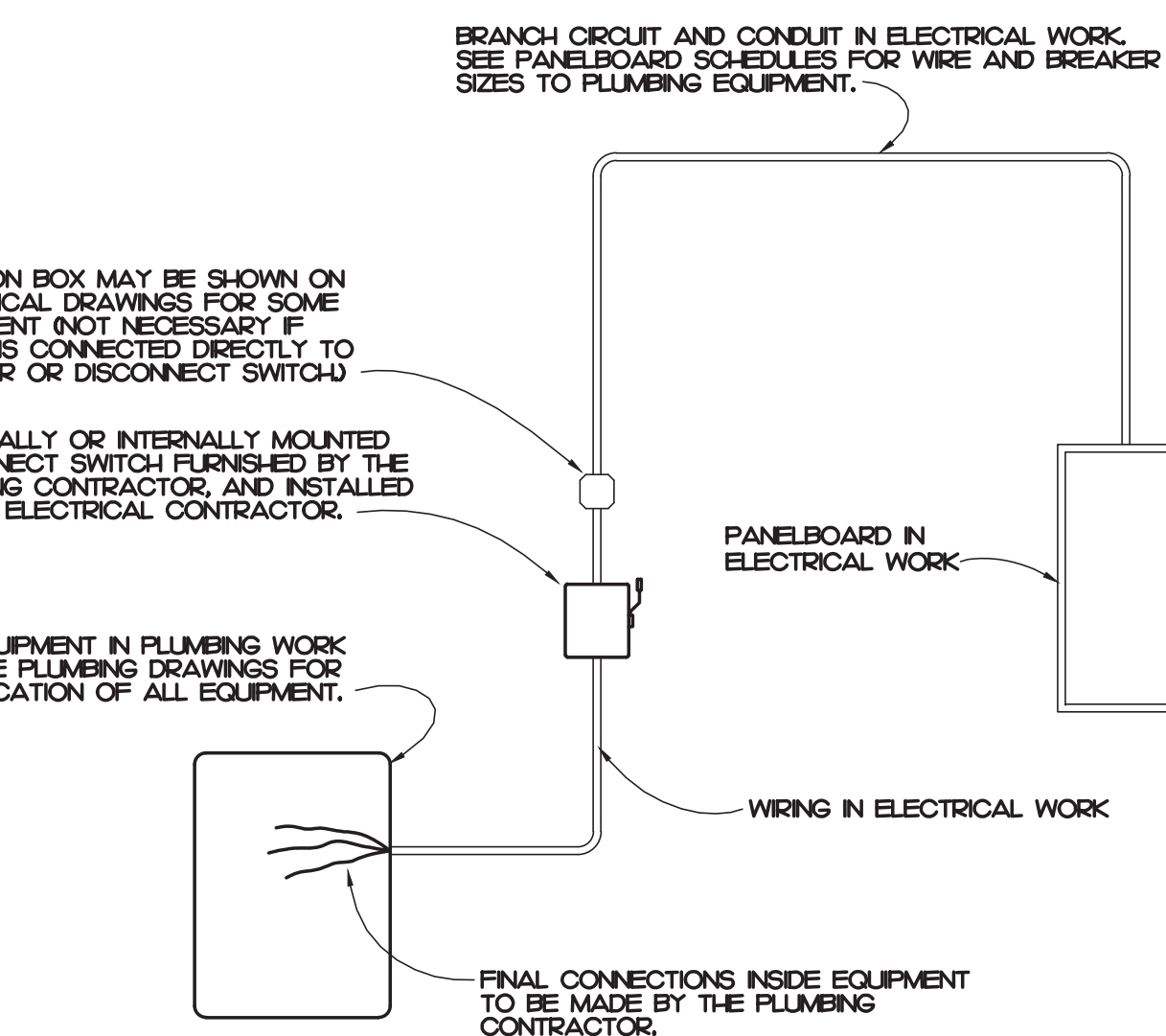
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
2. ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE PLUMBING CONTRACTOR.
3. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
4. THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
5. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
6. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR AND FINISHING BY GENERAL CONTRACTOR.
7. ALL PIPE, FITTINGS, FIXTURES, AND SOLDER TO BE LEAD FREE.
8. WATER PIPING BELOW GRADE SHALL BE TYPE 1/2" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE 1/2" COPPER, SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATICALLY TESTED FOR ONE HOUR AT 50 PSI. TEST TO COMPLY WITH ALL EPA STANDARDS. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
9. WATER PIPING LOCATED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION (UNDERSIDE) AND WALL INSULATION (INSIDE).
10. ALL COLD AND HOT WATER PIPING SHALL BE INSULATED. INSULATE WASTE PIPING AS DESIGNATED ON PLUMBING DRAWINGS. INSULATION SHALL BE FIBERGLASS. EXPOSED PIPING TO BE WRAPPED WITH ALUMINUM JACKET.
11. DO NOT SUPPORT PIPING FROM BAR JOIST BRIDGING AND/OR ROOF DECK.
12. IF THE WATER PRESSURE EXCEEDS 80 PSI A PRESSURE REDUCING VALVE SHALL BE INSTALLED WHERE THE WATER ENTERS THE BUILDING.
13. PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR MATERIAL.
14. WATER HEATERS SHALL HAVE AN EFFICIENCY MEETING REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE.
15. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
16. SANITARY SEWER AND VENT PIPING SHALL BE SCHEDULE 40 PVC, CELLULAR CORE (FOAM CORE) IS NOT ALLOWED. SANITARY SEWER AND VENT PIPING SHALL BE GAS AND AIR TIGHT.
17. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
18. THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS FOR WORK BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH WORK BY OTHERS AND AVOID ALL CONFLICTS.
19. LOCATIONS OF UTILITIES (WASTE AND WATER PIPING, ETC.) PROVIDED BY OTHERS, THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE FINAL CONNECTIONS AS REQUIRED.
20. ALL VENT PIPING THROUGH THE ROOF SHALL BE A MINIMUM OF 5'-0" FROM ALL MAKE-UP AIR INLETS OR A MINIMUM OF 2'-0" ABOVE THE TOP OF ALL MAKE-UP AIR INLETS. VENTS THROUGH ROOF ARE TO BE ON REAR OF BUILDING.
21. SEE ARCHITECTURAL DRAWINGS FOR PLUMBING MINIMUM FACILITY CALCULATIONS.
22. THE PLUMBING CONTRACTOR SHALL VERIFY BUILDING FLOOR ELEVATION IS ABOVE MAN-HOLE RIM ELEVATION OR PROVIDE A BACKWATER VALVE AS REQUIRED.
23. THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

### PLUMBING SYMBOL LEGEND

| SYMBOL | DESCRIPTION  |
|--------|--|
|        | COLD WATER PIPING  |
|        | COLD WATER PIPING BELOW FINISHED FLOOR                         |
|        | WATER PIPING TURNED DOWN                                       |
|        | WATER PIPING TURNED UP   |
|        | PIPING SIDE CONNECTION   |
|        | SANITARY SEWER / WASTE PIPING                                  |
|        | SANITARY SEWER / WASTE PIPING DIRECTION OF FLOW                |
|        | VENT PIPING  |
|        | VENT PIPE UP   |
|        | PLUMBING FIXTURE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR |
|        | FLOOR CLEANOUT   |
|        | VENT THRU ROOF   |



4 WATER CLOSET DETAIL  
NOT TO SCALE

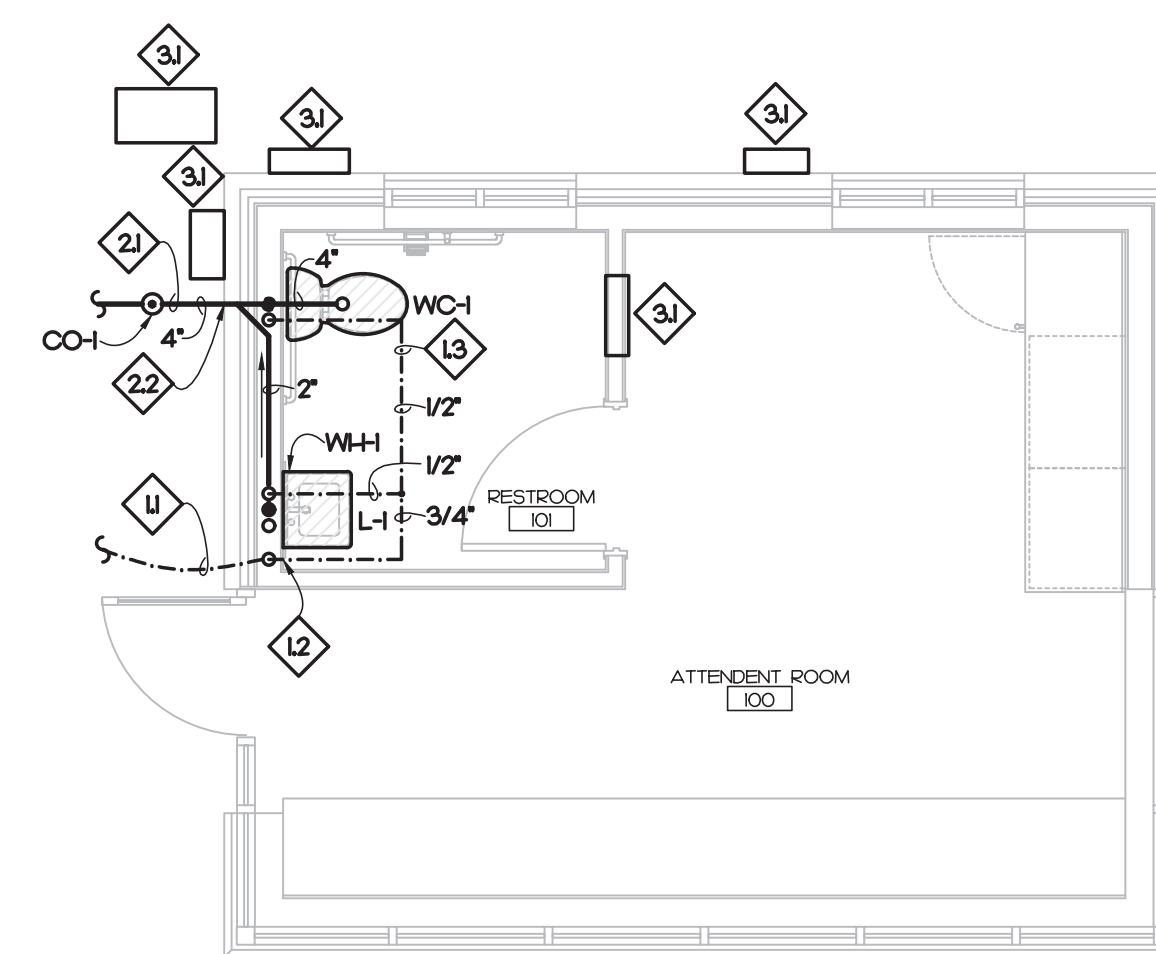


3 TYPICAL WIRING DETAIL  
NOT TO SCALE

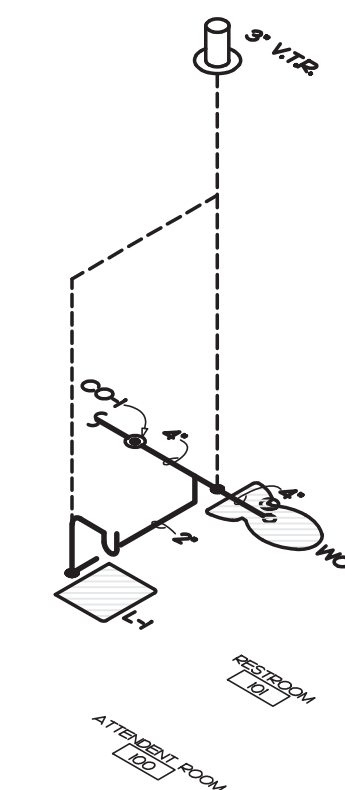
### PLUMBING KEY NOTES

- 1. 3/4" COLD WATER PIPE TO BE LOCATED BELOW FINISHED GRADE. PLUMBING CONTRACTOR'S WORK BEGINS 5'-0" OUTSIDE BUILDING. SEE SITE PLAN FOR CONTINUATION. SEE SITE PLAN FOR BACKFLOW.
- 2. MAIN SHUT OFF VALVE IN WALL. PROVIDE WITH ACCESS PANEL.
- 3. WATER PIPING ABOVE FINISHED CEILING. COORDINATE LOCATION WITH MECHANICAL AND ELECTRICAL CONTRACTOR'S.
- 4. 4" SANITARY SEWER PIPE TO BE LOCATED BELOW FINISHED GRADE. PLUMBING CONTRACTOR'S WORK EXTENDS 5'-0" OUTSIDE BUILDING. SEE SITE PLAN FOR CONTINUATION.
- 5. INVERT ELEVATION IS TO BE 175' BELOW FINISHED FLOOR.
- 6. ELECTRICAL EQUIPMENT BY ELECTRICAL CONTRACTOR.

ALL VENT PIPING IS TO BE 2' UNLESS NOTED OTHERWISE.



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



2 WASTE RISER PLAN  
NOT TO SCALE

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North Carolina Design Registration #F-1507

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REF. SCALE IN INCHES PROJECT # 25044

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE

PRESCRIPTIVE  ENERGY COST BUDGET

THERMAL ZONE 3A

EXTERIOR DESIGN CONDITIONS  
 winter dry bulb: 16°F  
 summer dry bulb: 93°F  
 relative humidity: 46%

INTERIOR DESIGN CONDITIONS  
 winter dry bulb: 70°F  
 summer dry bulb: 74°F  
 relative humidity: 50%

BUILDING HEATING LOAD: BLOCK LOAD = 10.2 MBH  
 BUILDING COOLING LOAD: BLOCK LOAD = 14.0 MBH (12 TONS)

MECHANICAL SPACING CONDITIONING SYSTEM

Unitary:  
 description of unit:  
 heating efficiency:  
 cooling efficiency:  
 heat output of unit:  
 cooling output of unit: } SEE SCHEDULES ON THIS SHEET

Boiler: NA  
 total boiler capacity, if oversized state reason.

Chiller: NA  
 total chiller capacity, if oversized state reason.

LIST EQUIPMENT EFFICIENCIES: SEE SCHEDULES ON THIS SHEET

EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS)  
 motor horsepower:  
 number of phases:  
 minimum efficiency:  
 motor type:  
 # of poles: } SEE SCHEDULES ON THIS SHEET

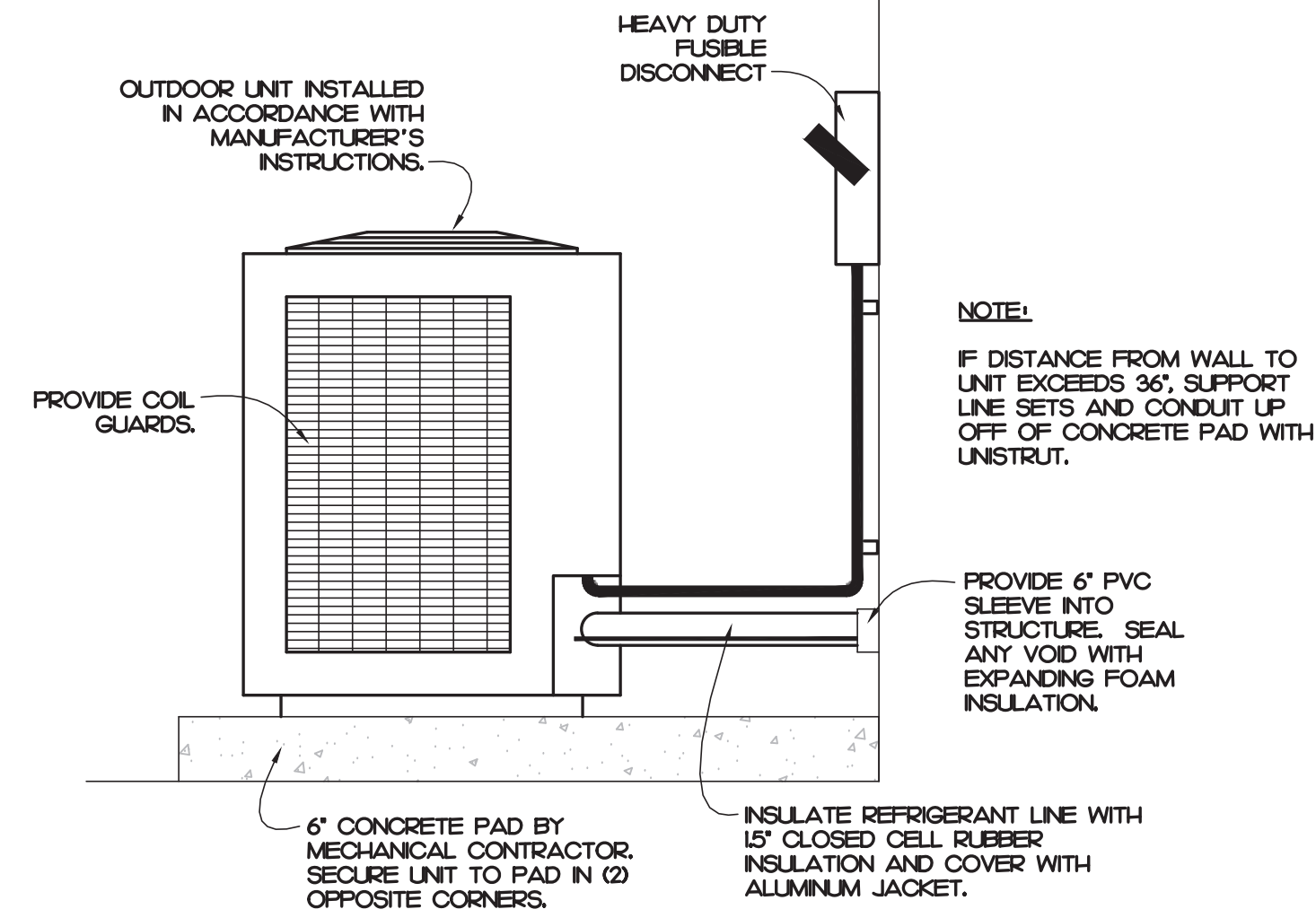
DESIGNER STATEMENT

To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the North Carolina State Energy Code.

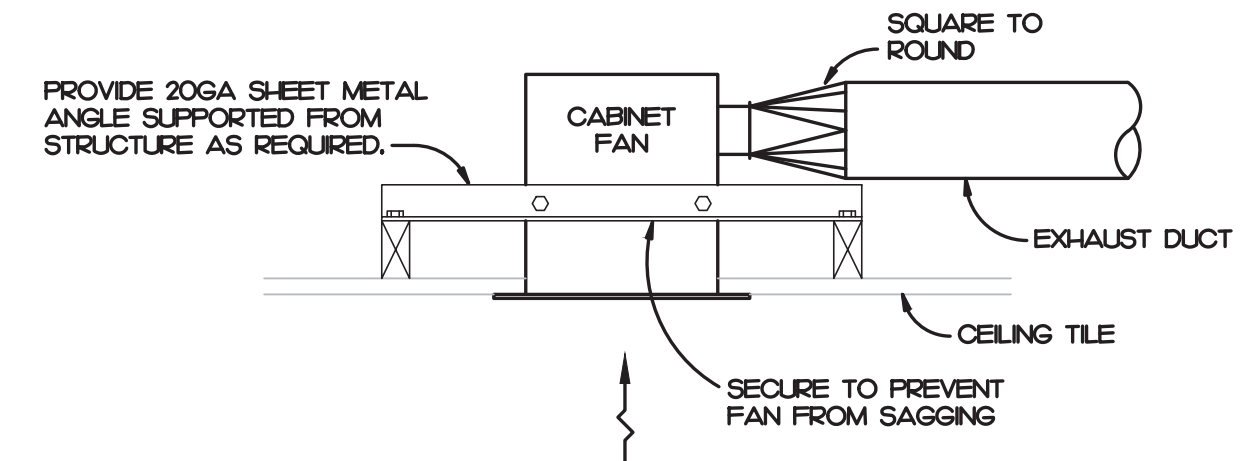
SIGNED: Patrick McCabe

NAME: Patrick J. McCabe, PE

TITLE: Professional Engineer



2 OUTDOOR UNIT DETAIL  
 NOT TO SCALE



3 CABINET FAN DETAIL  
 NOT TO SCALE

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
- ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR (M/C).
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE M/C SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
- THE MECHANICAL PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
- THE M/C SHALL BE RESPONSIBLE FOR ALL ELECTRICAL STARTERS, INTERLOCKS, CONTROL WIRING. THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING, CONDUIT FROM THE DISCONNECT TO M/C EQUIPMENT. THE M/C SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTION TO HIS EQUIPMENT.
- ALL THERMOSTATS, WIRING AND CONDUIT ARE TO BE FURNISHED BY THE M/C. MOUNT THERMOSTATS 4'-0" ABOVE THE FLOOR, UNLESS OTHERWISE NOTED.
- THE M/C SHALL INSURE THAT ALL MECHANICAL EQUIPMENT INSTALLED UNDER HIS CONTRACT SHALL OPERATE FREE OF OBJECTIONABLE NOISE AND VIBRATION.
- THE M/C SHALL KEEP THE PREMISES CLEAR OF DEBRIS FROM HIS WORK DURING CONSTRUCTION AND LEAVE THE AREA AND BUILDING CLEAN AT THE COMPLETION OF HIS WORK. HE SHALL ALSO LEAVE CLEAN ALL EXPOSED EQUIPMENT IN HIS CONTRACT.
- ALL DUCTWORK SIZES SHOWN ARE ACTUAL SHEET METAL DIMENSIONS. EXTERNALLY WRAP ALL DUCT WITH 3" FOIL-BACKED INSULATION FOR A MINIMUM OF R-8.
- MECHANICAL CONTRACTOR SHALL WORK WITH TEST AND BALANCE CONTRACTOR TO REMEDY ANY DIFFERENCES TO INCLUDE FAN DRIVE CHANGES, INSTALLATION OF DAMPERS OR OTHER MINOR DUCT MODIFICATIONS TO PROVIDE AIRFLOW TO WITHIN +/- 10% OF THE DESIGN VALUES LISTED ON THESE PLANS.
- THE AIR HANDLING UNIT SHALL OPERATE AT ALL TIMES DURING OCCUPIED HOURS.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF JOB.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A BALANCE REPORT BY A CERTIFIED TEST AND BALANCE COMPANY.
- PROVIDE PERMIT LABEL ENGRAVED PLASTIC LAMINATE MECHANICALLY FASTENED TO OUTDOOR UNITS.
- LABEL CEILING GRID WHERE EQUIPMENT IS LOCATED ABOVE LAY-IN CEILING, WITH EQUIPMENT IDENTIFIER. ALSO LABEL ALL TEMPERATURE SENSORS AND THERMOSTATS WITH EQUIPMENT IDENTIFIER.

MECHANICAL KEY NOTES

- 1 ROUTE 6" EXHAUST DUCT TO EXTERIOR. TERMINATE IN SOFFIT VENT.

EXHAUST FAN SCHEDULE

| MARK | BASIS OF DESIGN | SERVICE | TYPE        | CFM | RPM  | HP/AMPS  | S.P.  | POWER | NOTES |
|------|-----------------|---------|-------------|-----|------|----------|-------|-------|-------|
| EF-1 | COOK GC-140     | TOILET  | CABINET FAN | 105 | 1500 | 67 Watts | 0.25' | 120/1 | I-3   |

- NOTES:  
 1. PROVIDE WITH DISCONNECT SWITCH.  
 2. PROVIDE WITH BACKDRAFT DAMPER.  
 3. CONTROL VIA WALL SWITCH BY E.C.

SYMBOL LEGEND

| SYMBOL | DESCRIPTION                                   |
|--------|---|
|        | SHEET METAL DUCT                              |
|        | EXHAUST FAN                                   |
|        | THERMOSTAT - MOUNTED 48" ABOVE FINISHED FLOOR |

NATURAL VENTILATION SUMMARY

REQUIRED:  
 TOTAL REQUIRED = 220 SQFT = 0.04 = 9 SQFT

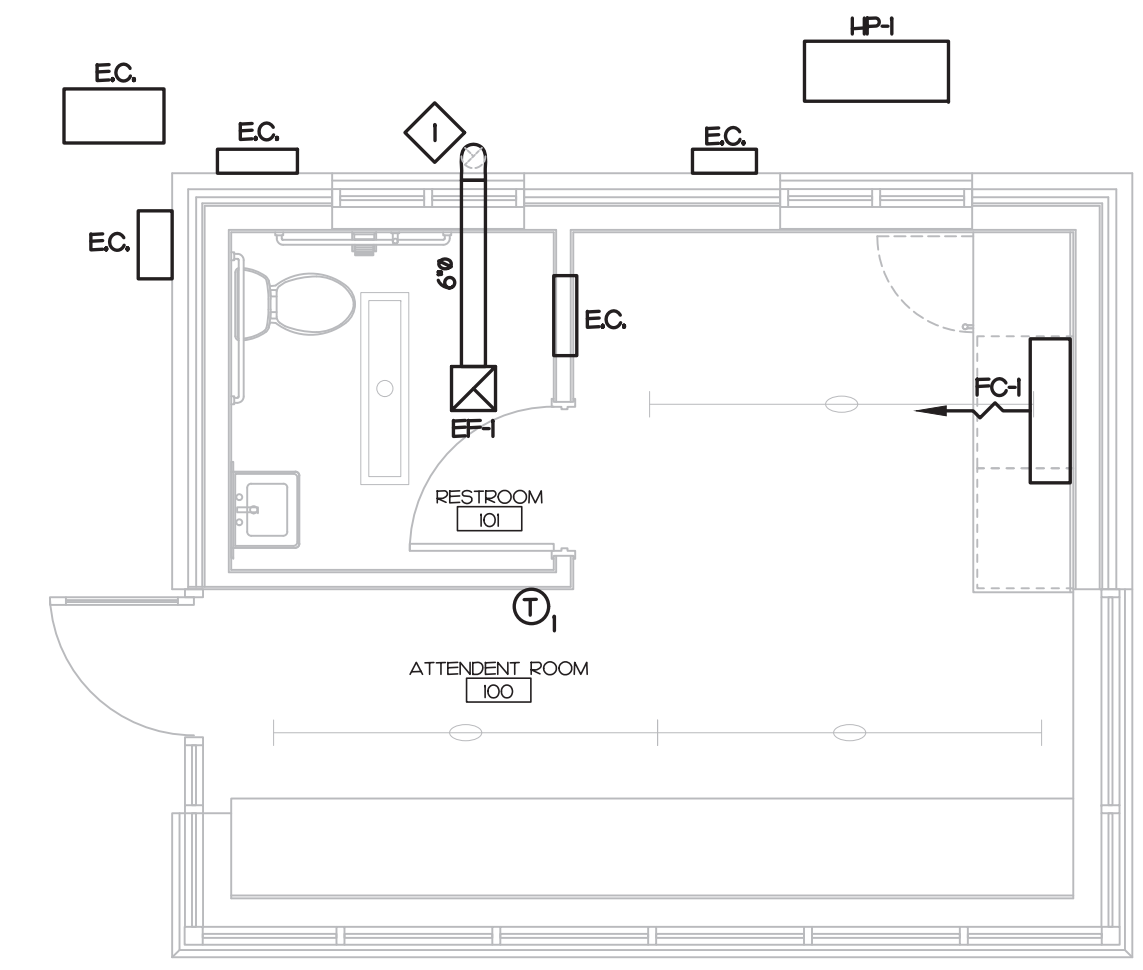
PROVIDED:  
 TOTAL PROVIDED = 21 SQFT (NEW DOOR)

NOTE: NATURAL VENTILATION FROM NEW DOOR IS IN EXCESS OF THE REQUIRED 4% OF SQFT PER NCMC 4022

SPLIT SYSTEM HEAT PUMP SCHEDULE

| INSIDE UNIT |                    |         |       | OUTSIDE UNIT |                    |                            |                              |                    |                    |       |
|-------------|--------------------|---------|-------|--------------|--------------------|----------------------------|------------------------------|--------------------|--------------------|-------|
| MARK        | BASIS OF DESIGN    | FAN CFM | WATTS | MARK         | BASIS OF DESIGN    | COOLING / HEATING CAPACITY | ELECTRICAL POWER (MCA/MCOOP) | EFFICIENCY COOLING | EFFICIENCY HEATING | NOTES |
| FC-1        | MTSLEISH PKA-ALBNL | 450     | 30    | HP-1         | MTSLEISH PLZ-ARBNL | 18.0/23.6 MBH              | 230/1 16 25                  | 195 SEER2          | 8.9 HSPF2          | I-5   |

- NOTES:  
 1. PROVIDE FUSIBLE DISCONNECT ON OUTDOOR UNIT.  
 2. PROVIDE MOTOR RATED SWITCH FOR INDOOR UNIT.  
 3. ROUTE CONDENSATE TO EXTERIOR SPLASH BLOCK.  
 4. PROVIDE WITH WIRED THERMOSTAT.  
 5. PROVIDE WITH LOW AMBIENT CONTROLS DOWN TO 0°F.

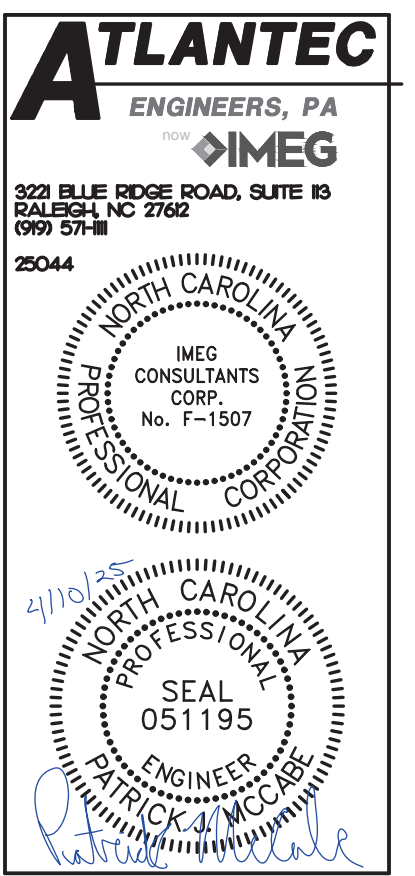


1 MECHANICAL PLAN  
 SCALE: 1/4" = 1'-0"



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ATTENDANT BUILDING  
 PARKTON SOLID WASTE  
 CONVENIENCE CENTER  
 PARKTON RD. | PARKTON NC, NC 28371

PLOT DATE:  
 04/10/2025

ISSUED:  
 04/10/2025  
 FOR CONSTRUCTION

REVISION:

DRAWN BY:  
 NGB

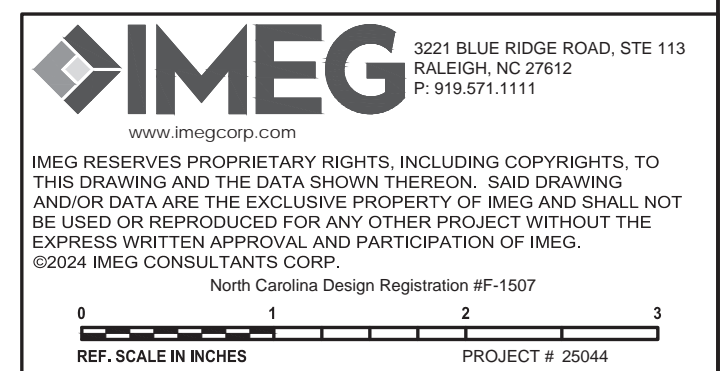
APPROVED:  
 PJM

PROJECT NO.:  
 24077

RECORD:

CONTENTS:  
 MECHANICAL PLAN

SHEET:  
 M101



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## SYMBOL LEGEND

| SYMBOL | DESCRIPTION   | REMARKS                                     |
|--------|---|---|
|        | 1 X 4 SURFACE FIXTURE - LETTER DESIGNATES TYPE  | SEE FIXTURE SCHED.                          |
|        | LINEAR STRIP FIXTURE - LETTER DESIGNATES TYPE   | SEE FIXTURE SCHED.                          |
|        | WALL SCONCE LIGHT FIXTURE - LETTER DESIGNATES TYPE  | SEE FIXTURE SCHED.                          |
|        | EXTERIOR WALL LIGHT FIXTURE - LETTER DESIGNATES TYPE  | SEE FIXTURE SCHED.                          |
|        | EMERGENCY WITH EXIT LIGHT - CONNECT UNSWITCHED  | SEE FIXTURE SCHED.                          |
|        | BATTERY BACKUP EMERGENCY LIGHT - CONNECT UNSWITCHED   | SEE FIXTURE SCHED.                          |
|        | PHOTOCELL, 105-305VAC, 50/60HZ, 1800VA BALLAST LOAD, 1000W TUNGSTEN LOAD, 8A LED LOAD (LP TO 2220W #277V)                 | TORX ZSS04                                  |
|        | POLE MOUNT FIXTURE WITH LUMINAIRES - LETTER DESIGNATES TYPE   | SEE FIXTURE SCHED.                          |
|        | SINGLE POLE TOGGLE SWITCH, MOUNT 4" AFF. UNLESS NOTED OTHERWISE.  | HUBBELL I231** WITH NPJ1 COVER PLATE        |
|        | WALL MOUNTED OCCUPANCY SENSOR SWITCH, DUAL TECHNOLOGIES, MOUNT 4" AFF. UNLESS NOTED OTHERWISE. 800W/20VAC OR 1200W/277VAC | SENSORWORX SWX-I2** NPJ26 COVER PLATE       |
|        | SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE, MOUNT 6" AFF. UNLESS OTHERWISE NOTED.                             | HUBBELL HBL5362** TR WITH NPJ26 COVER PLATE |
|        | SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE, MOUNT 6" AFF. UNLESS OTHERWISE NOTED.                               | HUBBELL GFT1RST20** WITH NPJ26 COVER PLATE  |
|        | SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE WITH WEATHER PROOF COVER, MOUNT 6" AFF. UNLESS OTHERWISE NOTED.    | HUBBELL GFTWRST20** WITH WP26M COVER PLATE  |
|        | CEILING PANEL CABINET FAN, FURNISHED AND INSTALLED BY MC, WIRED BY E.C.   | SEE MECH. PLAN                              |
|        | JUNCTION BOX SIZED PER NEC.   |   |
|        | DISCONNECT SWITCH SEE PLANS FOR SIZE AND TYPE   | SQUARE D HEAVY DUTY                         |
|        | DISCONNECT PROVIDED BY MC, FINAL CONNECTIONS BY E.C.  | SEE MECHANICAL PLAN                         |
|        | DISCONNECT SWITCH WITH MOTOR STARTER, SEE PLANS FOR SIZE AND TYPE   | SQUARE D HEAVY DUTY                         |
|        | NEW CONCEALED WIRING  | PER NEC.                                    |
|        | UNSWITCHED LIGHTING CONDUCTOR   | PER NEC.                                    |
|        | HOME RUN TO PANEL BOARD, NUMBERS OF ARROW INDICATE CIRCUITS   | PER NEC.                                    |
|        | 120/240V 10, 3W PANEL BOARD - SEE PANEL SCHEDULES   | SQUARE D NQ/H-LINE                          |
|        | 277/480V 30, 4W PANEL BOARD - SEE PANEL SCHEDULES   | SQUARE D NF/H-LINE                          |
|        | UTILITY METER BASE  | SEE POWER RISER                             |
| A.F.C. | ABOVE FINISHED CEILING  |   |
| A.F.F. | ABOVE FINISHED FLOOR - NOTE ALL MOUNTING DIMENSIONS GIVEN ARE TO THE BOTTOM OF THE OUTLET BOX                             |   |

## GENERAL NOTES

- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.
- USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT.
- ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.
- ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).
- EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT, PRIOR TO INSTALLATION FOR USE WITH THE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FINISHED.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS TO AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS. SEE DETAILS FOR CONNECTION TO EQUIPMENT PROVIDED BY MECHANICAL AND PLUMBING CONTRACTORS.
- PENETRATION:
  - WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.
  - WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.
- ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEDWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS.
- AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL VERIFY THE CEILING TYPES WITH THE GENERAL CONTRACTOR PRIOR TO THE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR ALL FIXTURES. ANY DIFFERENCES WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER TH-NHTHWAN WIRE. ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C. ONLY THHN-2 WIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATION.
- MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG.
- ARMORED CABLE (TYPE AC) AND METAL-CLAD CABLE (TYPE MC) ARE ACCEPTABLE WIRING METHODS SUBJECT TO THE FOLLOWING RESTRICTIONS:
  - SEE NEC 320 AND 330 FOR RESTRICTION.
  - PENETRATIONS OF RATED WALLS SHALL BE IN ACCORDANCE WITH APPROVED UL PENETRATION METHODS.
  - CABLE SHALL NOT BE USED FOR HOME RUN TO PANEL BOARD.
  - CABLE SHALL ONLY BE INSTALLED IN CONCEALED SPACE AND FURRED AREAS. MAX. LENGTH OF EACH SECTION IN ACCESSIBLE CONCEALED CEILING SPACES SHALL NOT EXCEED 10 FT.
  - WHERE REQUIRED BY NEC 577.3, CABLE SHALL BE LISTED FOR THE USE.
- THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). FEEDING CIRCUITS WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER.
- ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.
- ALL PANELS SHALL BE ONE PHASE, THREE WIRE UNLESS OTHERWISE NOTED.
- BOXES AND CONDUITS SHALL NOT BE INSTALLED RECESSED IN A 3-HOUR OR HIGHER RATED WALL WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION.
- ELECTRICAL IDENTIFICATION
  - FURNISH AND INSTALL ENGRAVED LAMINATED PHENOLIC NAMEPLATES FOR ALL SAFETY SWITCHES, PANEL BOARDS, TRANSFORMERS, SWITCHBOARDS, MOTOR CONTROL CENTERS AND OTHER ELECTRICAL EQUIPMENT SUPPLIED FOR THE PROJECT FOR IDENTIFICATION.
  - FURNISH AND INSTALL SELF-ADHESIVE PLASTIC TAPE FOR ALL RECEPTACLE AND WALL SWITCH COVER PLATES INDICATING CIRCUIT NUMBERS.
- THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE INSTALLATION OF THE NEW UNDERGROUND ELECTRICAL SERVICE WITH THE LOCAL UTILITY. THE OWNER SHALL PAY ALL CHARGES FOR THE INSTALLATION OF THE NEW UNDERGROUND UTILITY SERVICE.

## 2018 NORTH CAROLINA ENERGY CODE

| LAMP TYPE REQUIRED        | LIGHTING SCHEDULE |              |     |       |
|---------------------------|-------------------|--------------|-----|-------|
|                           | FLUORESCENT T8/T5 | LED          | CFL | INCAN |
| NUMBER OF LAMPS           | N/A               | SEE SCHEDULE | N/A | N/A   |
| BALLAST TYPE USED         | N/A               | FIXTURE      | N/A | N/A   |
| NUMBER OF BALLASTS        | N/A               | SCHEDULE     | N/A | N/A   |
| TOTAL WATTAGE PER FIXTURE | N/A               |              | N/A | N/A   |

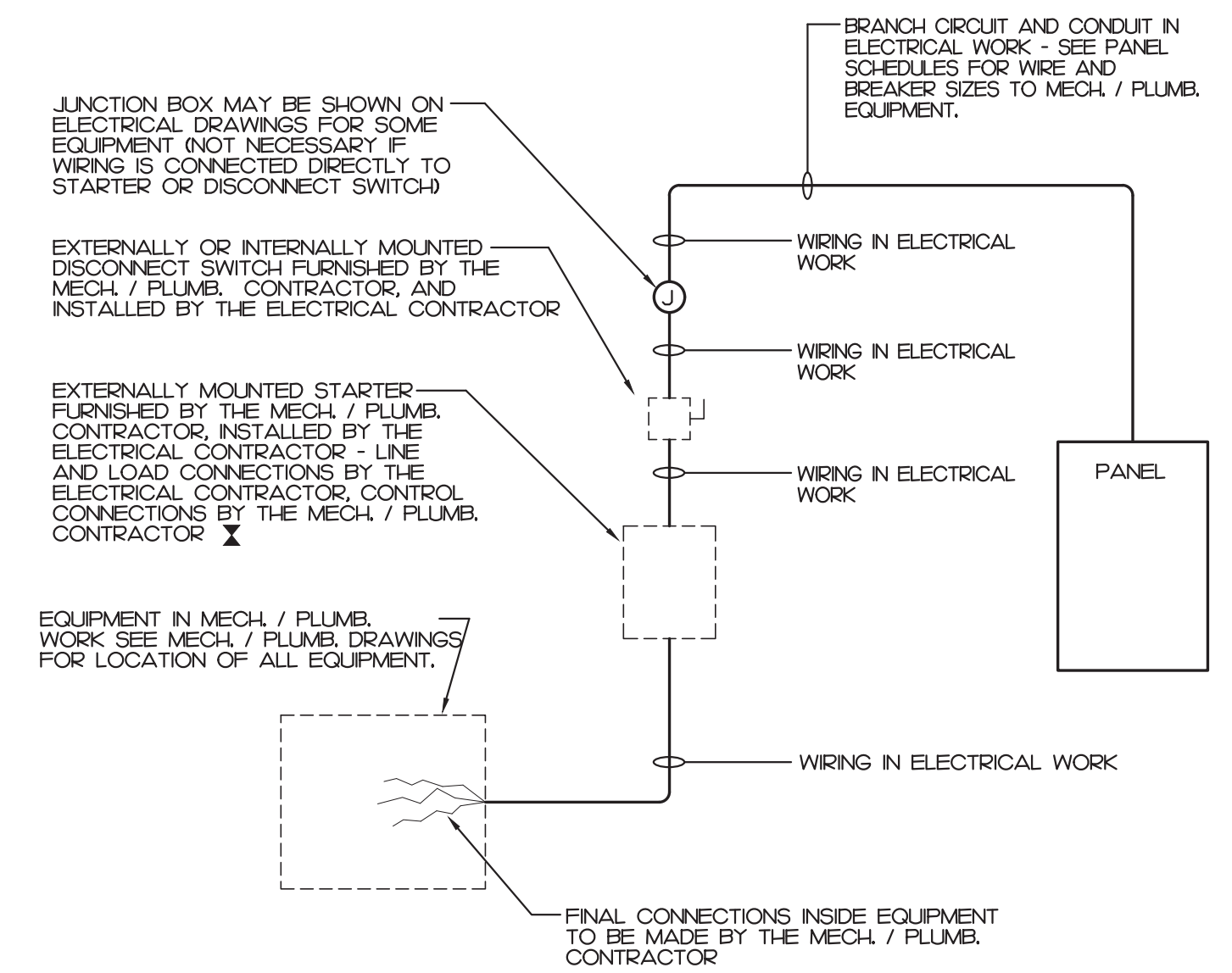
| INTERIOR WATTAGE | SPECIFIED | ALLOWED BY CODE |
|------------------|-----------|-----------------|
| OFFICE           |           | 268             |
| TOTAL            | 230       | 241 **          |
| EXTERIOR WATTAGE | ZONE 3    |                 |
| ALLOWANCE        | 32        | 750             |

### NOTES:

- \*\* PER SECTION C406.3, THE WHOLE AREA ALLOWED BY CODE IS REQUIRED TO BE 10% LOWER THAN THOSE CALCULATED PER SECTION C406.4.2.
  - VALUE CALCULATE PER SECTION C406.4.2: 268 WATTS
  - VALUE PER SECTION C406.3: 241 WATTS
- ALL EXTERIOR LIGHTS:
  - CONTROLLED BY PHOTOCELL THAT WILL NOT INTENDED TO BE ON FOR 24 HOUR OPERATION.

DESIGNER STATEMENT: TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, 2018 - ENERGY.

SIGNED:   
 NAME: DAVID J. WHITNEY, P.E.  
 TITLE: ENGINEER



### NOTES:

- A COMBINATION STARTER MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER.
- E.C. SHALL FURNISH ALL REQUIRED FUSES.

## WIRING TO MECHANICAL AND PLUMBING EQUIPMENT

NOT TO SCALE

## LIGHT FIXTURE SCHEDULE

| TYPE | DESCRIPTION   | CATALOG  | ELECTRICAL DATA  | NOTES |
|------|---|--|--|-------|
| A    | 8' STRIP LIGHT<br>6000 LUMEN                                | LITHONIA:<br>CSS-L96-AL04-MVOLT-35K-80CRI          | 6000 LUMEN LED, 3500K<br>0-10V ELECTRONIC DIMMING DRIVER<br>46 WATTS - 5I VA, 120-277V |       |
| B    | 1x4 LED FLAT PANEL FIXTURE<br>SURFACE MOUNTED<br>2500 LUMEN | LITHONIA:<br>CPX-1X4-AL07-80CRI-S1W17**MVOLT       | 2500 LUMEN LED, 3500K<br>0-10V ELECTRONIC DIMMING DRIVER<br>20 WATTS - 22 VA, 120-277V |       |
| C    | EXTERIOR WALL PACK<br>3000 LUMEN                            | LITHONIA:<br>WIDGEZLED-P3-30K-80CRI**MVOLT<br>-SRM | 3000 LUMEN LED, 3000K<br>ELECTRONIC DRIVER<br>18 WATTS, 20 VA, 120-277V                |       |
| EGX  | EMERGENCY WITH EXIT LIGHT<br>1 SIDE RED LETTER              | LITHONIA:<br>LHQM-LED-R-SD                         | 4 WATTS - 4 VA, 120/277V   |       |
| BH   | EXTERIOR EMERGENCY LIGHT<br>LISTED FOR WET LOCATION         | LITHONIA:<br>AFF-OEL**FCT                          | 11 WATTS - 12 VA, 120/277V   |       |
| EG   | EMERGENCY LIGHT   | LITHONIA:<br>ELM2L-SDRT                            | 2 WATTS - 2 VA, 120/277V   |       |

### NOTES:

- SEE ARCHITECTURAL PLAN FOR MOUNTING LOCATION AND HEIGHT. FIELD COORDINATE MOUNTING HEIGHT WITH ARCHITECT. IF NOT SHOWN ON ARCHITECTURAL PLAN.
- E.C. SHALL SUBMIT CATALOG TO ARCHITECT FOR APPROVAL PRIOR PURCHASE ANY. FINISH COLOR/TRIM SUBJECT TO BE CHANGED PER ARCHITECT.
- FIELD VERIFY FLUORESCENT LAMP COLOR WITH ARCHITECT PRIOR PURCHASE ANY.

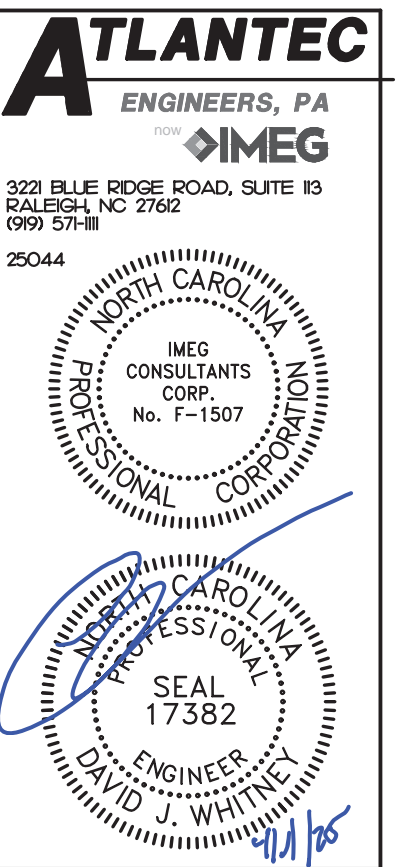


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ATTENDANT BUILDING  
 PARKTON SOLID WASTE  
 CONVENIENCE CENTER  
 PARKTON RD. | PARKTON NC, NC 28371

PLOT DATE:  
04/10/2025

ISSUED:  
04/10/2025  
FOR CONSTRUCTION

REVISION:

DRAWN BY: SWM APPROVED: DJW

PROJECT NO.: 24077 RECORD:

CONTENTS:  
ELECTRICAL  
NOTES, LEGEND,  
DETAILS

SHEET:  
E001

**IMEG** 3221 BLUE RIDGE ROAD, STE 113  
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 REF. SCALE IN INCHES PROJECT # 25044



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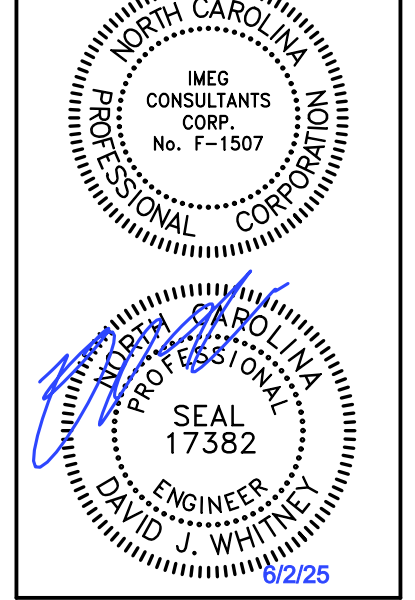
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ATLANTEC ENGINEERS, PA

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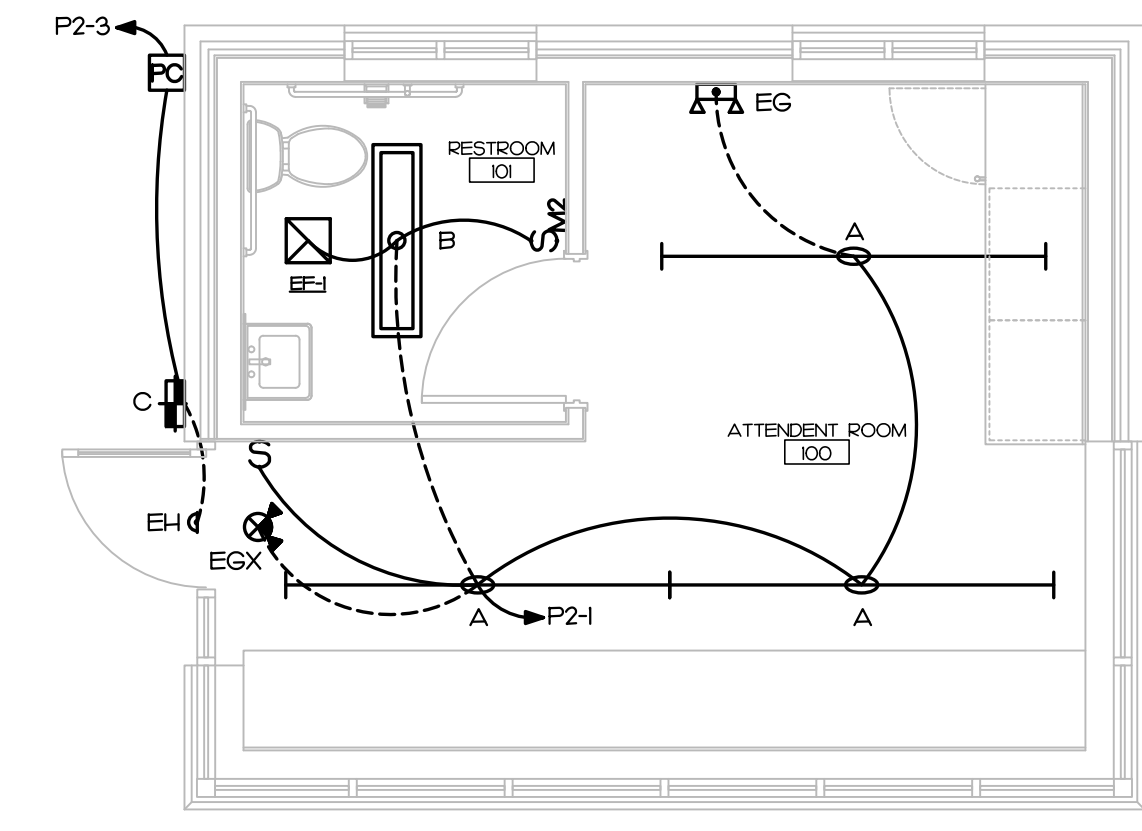


ATTENDANT BUILDING PARKTON SOLID WASTE CONVENIENCE CENTER PARKTON RD. | PARKTON NC, NC 28371

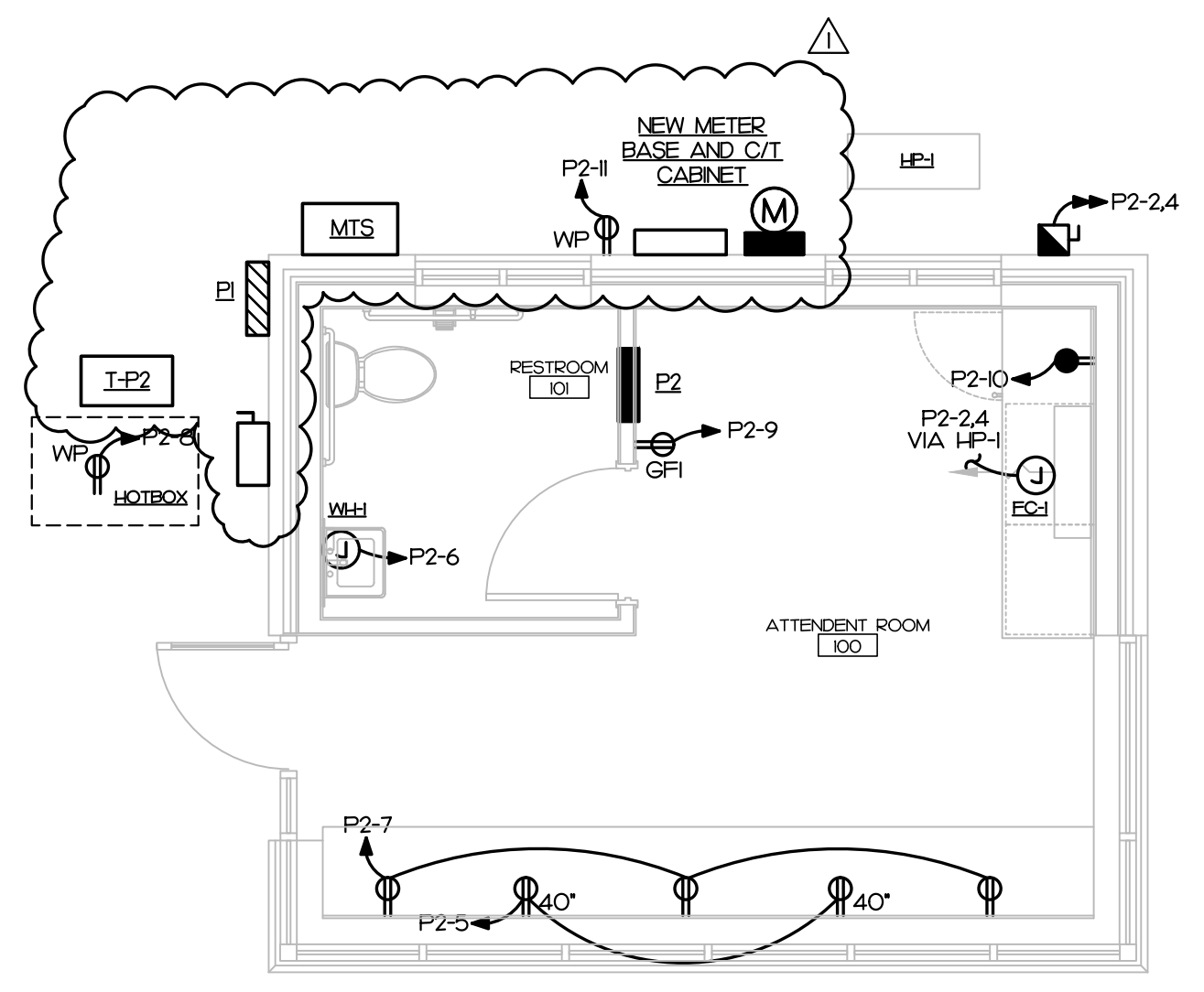
PLOT DATE: 04/10/2025 ISSUED: 04/10/2025 FOR CONSTRUCTION REVISION: REVISION 1

DRAWN BY: SWM APPROVED: DJW PROJECT NO.: 24077 RECORD: CONTENTS: ELECTRICAL PLANS, POWER RISER, PANEL SCHEDULES

SHEET: E101



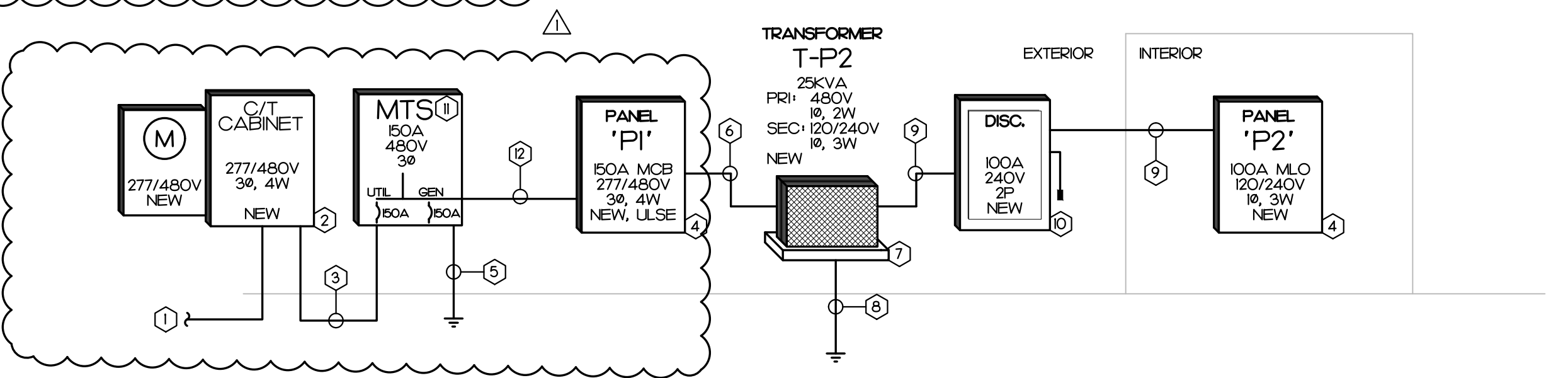
1 LIGHTING PLAN SCALE: 1/4" = 1'-0"



2 POWER PLAN SCALE: 1/4" = 1'-0"

- KEY NOTES: 1. NEW 277/480V, 3Ø, 4W UNDERGROUND SERVICE CONDUCTORS... 2. NEW C/T CABINET AND METER BASE... 3. NEW SERVICE ENTRANCE CONDUCTORS... 4. NEW PANELBOARD... 5. NEW GROUNDING ELECTRODE CONDUCTORS... 6. NEW FEEDER... 7. NEW 25KVA, 480V PRIMARY, 120/240V SECONDARY NEMA 3R TRANSFORMER... 8. NEW SUPPLY SIDE BONDING JUMPER... 9. NEW FEEDER... 10. PROVIDE A 100A, 240 VOLT, 2-POLE, NEMA 3R FUSED DISCONNECT... 11. 3-WAY MANUAL TRANSFER SWITCH... 12. NEW FEEDER...

NOTES: 1. E.C. SHALL FIELD VERIFY AVAILABLE MAXIMUM FAULT CURRENT WITH UTILITY AND PROVIDE LABEL INDICATING THE CURRENT ON DISCONNECT PER NEC 100.24(A)



3 POWER RISER NOT TO SCALE

PANEL P1 277/480V, 3 PHASE, 4 WIRE. Table with columns for CKT, DESCRIPTION, KVA, C, G, W, CB, and CT. Includes a load summary table and notes on bus size and mounting.

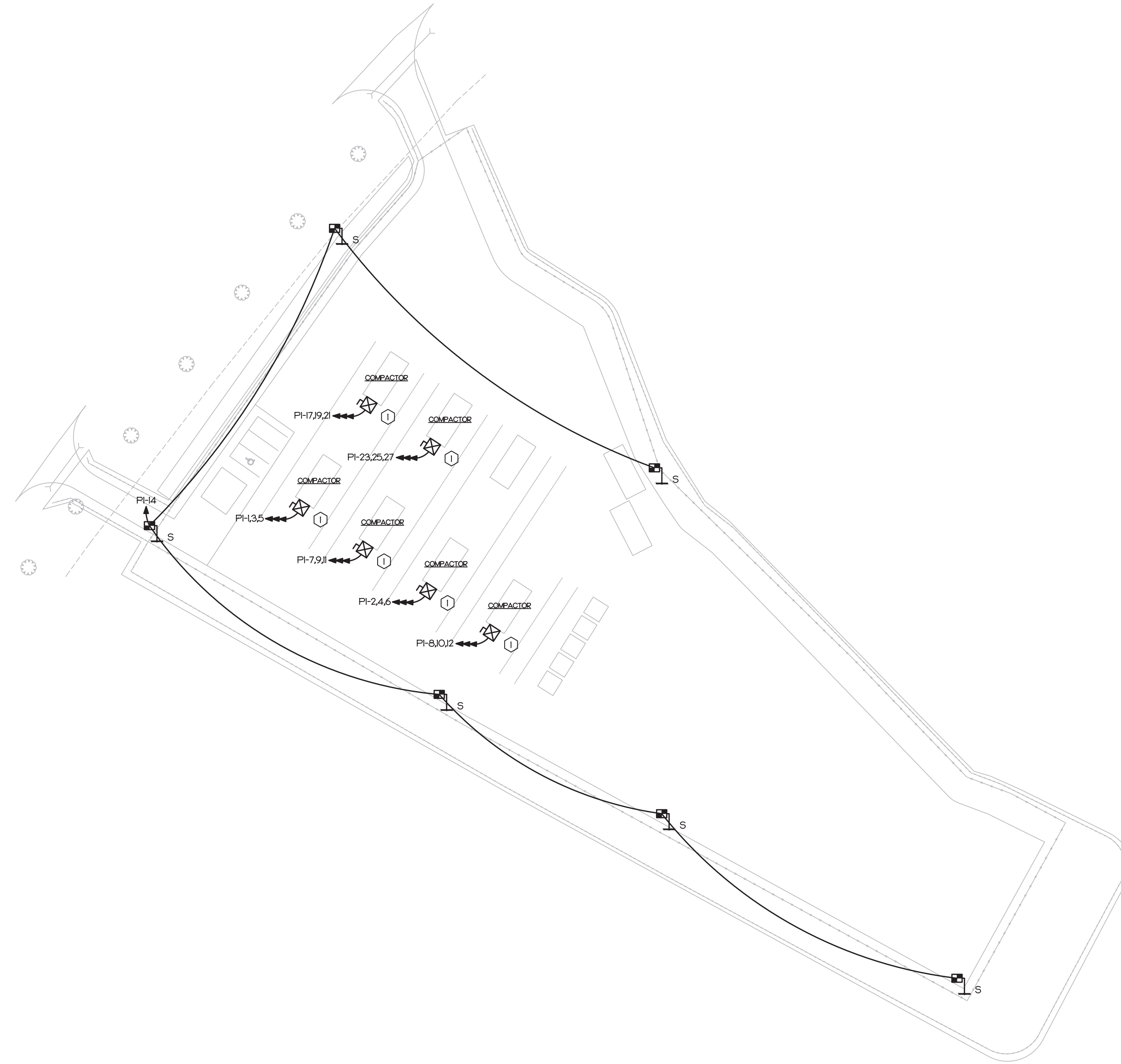
PANEL P2 120/240V, 1 PHASE, 3 WIRE. Table with columns for CKT, DESCRIPTION, KVA, C, G, W, CB, and CT. Includes a load summary table and notes on bus size and mounting.

4 PANEL SCHEDULES NOT TO SCALE

IMEG logo and contact information: 322 BLUE RIDGE ROAD, STE 113 RALEIGH, NC 27612 P: 919.571.1111

**KEY NOTES**

① E.G. TO PROVIDE DISCONNECT AND MOTOR STARTER WITH HAND OFF AND AUTO SWITCH



**SITE LIGHT FIXTURE SCHEDULE**

| TYPE | DESCRIPTION   | CATALOG  | ELECTRICAL DATA   | NOTES  |
|------|---|--|---|--|
| S    | 1 LED POLE LIGHT TYPE 4, 4000K, 35000 LUMENS W/ BACK LIGHT SHIELD 25 FT. ABOVE GRADE ROUND DIRECT BURIAL FIBERGLASS POLE TO MATCH ADJUSTABLE ARM MOUNT TO MATCH | CREE®<br>NTA-A-NM-T4-35L-40K-L1<br>DIRECT BURIAL FIBERGLASS POLE:<br>OSZF9RTDB<br>BACK LIGHT SHIELD:<br>NTA-BLSF-35L | 35000 LUMEN LED, 4000K<br>ELECTRONIC DRIVER<br>230 WATTS - 256 VA, 120-277V | ALL TYPE 'S' FIXTURES TO BE MOUNTED AT 25' POLE TO HAVE AT LEAST 7' EMBEDMENT WITH 25' ABOVE GRADE |

**1 SITE POWER PLAN**  
SCALE: 1" = 20'-0"



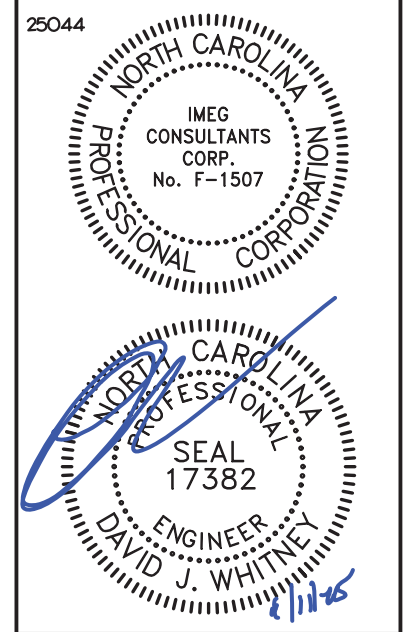
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**ATTENDANT BUILDING  
PARKTON SOLID WASTE  
CONVENIENCE CENTER**  
PARKTON RD. | PARKTON NC, NC 28371

|   |                  |
|---|------------------|
| PLOT DATE:<br>04/10/2025                  |                  |
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| PROJECT NO.:<br>24077                     | RECORD:          |
| CONTENTS:<br>SITE PLAN                    |                  |

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REF. SCALE IN INCHES PROJECT # 25044

SHEET:  
**E201**