

# Means of Egress

## Missouri School for the Blind

### Saint Louis, Missouri

### patterhn ives llc

130 south bemiston ave  
 suite 800  
 st louis missouri 63105

OWNER: STATE OF MISSOURI  
 MIKE KEHOE,  
 GOVERNOR  
 DEPARTMENT OF  
 ELEMENTARY AND SECONDARY  
 EDUCATION

PROJECT  
 MANAGEMENT: OFFICE OF ADMINISTRATION  
 DIVISION OF FACILITIES MANAGEMENT,  
 DESIGN AND CONSTRUCTION



DESIGNER: PATTERNH IVES, LLC

PROJECT NUMBER: E2332-01

ASSET NUMBER: 5012011017

01 AERIAL LOCATION MAP  
 MISSOURI SCHOOL FOR THE BLIND - 3815 MAGNOLIA AVENUE, SAINT LOUIS MISSOURI

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SHEET NUMBER:

**G-001**

**STANDARDS AND REGULATIONS**

- CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH APPLICABLE BUILDING CODES, REGULATIONS, ORDINANCES, UTILITY PROVIDER REQUIREMENTS, AND SIMILAR STANDARDS.
- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND SIMILAR RELEASES REQUIRED FOR CONSTRUCTION AND OCCUPANCY. CONTRACTOR SHALL FURNISH COPIES OF ALL SUCH ITEMS TO OWNER AND ARCHITECT WITHIN 10 DAYS OF RECEIPT. IF PERMITS ARE ISSUED SUBJECT TO CERTAIN CONDITIONS OR REVISIONS TO THE WORK OR IF PERMITS ARE DELAYED FOR ANY REASON, CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY.
- CONTRACTOR SHALL OBTAIN ALL REQUIRED INSPECTIONS OF THE WORK. CONTRACTOR SHALL REGULARLY UPDATE OWNER AND ARCHITECT REGARDING THE STATUS OF INSPECTIONS.
- IF APPLICABLE, CONTRACTOR SHALL FILE NOTICE OF INTENT WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA).
- CONTRACTOR SHALL COORDINATE WORK WITH ALL APPLICABLE UTILITY PROVIDERS.
- CONTRACTOR SHALL BE FAMILIAR WITH ALL DOCUMENTS AND WORK AND SHALL BE IN COMPLIANCE WITH REFERENCED FIRE-RATED ASSEMBLY TESTS & STANDARDS.
- IF UNANTICIPATED HAZARDOUS MATERIALS ARE ENCOUNTERED, CONTRACTOR SHALL CEASE WORK IN THE AREA AND CONTACT ARCHITECT IMMEDIATELY.
- SMOKING IS NOT PERMITTED IN ANY INTERIOR SPACES WITHIN THE PROJECT AREA OR BUILDING.

**ADMINISTRATION OF THE WORK**

- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION PERSONNEL AND AUTHORIZED VISITORS.
- CONTRACTOR SHALL BE FULLY ACQUAINTED WITH ALL DOCUMENTS AND CONDITIONS RELATED TO THE WORK. ANY KNOWN DISCREPANCIES BETWEEN THE DOCUMENTS AND ACTUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH WORK RELATED TO THE DISCREPANCY.
- CONTRACTOR SHALL TAKE PRECAUTIONS TO MAINTAIN AND PROTECT EXISTING SYSTEMS AND FINISHES WHICH ARE TO REMAIN. ANY DAMAGES TO SUCH CONDITIONS, SYSTEMS, AND FINISHES SHALL BE IMMEDIATELY REPAIRED IN A MANNER ACCEPTABLE TO THE ARCHITECT. IF SATISFACTORY REPAIRS CANNOT BE MADE, CONTRACTOR SHALL REPLACE CONDITIONS, SYSTEMS, AND FINISHES WITH LIKE NEW QUALITY CONSTRUCTION ACCEPTABLE TO THE ARCHITECT. ALL REPAIRS AND REPLACEMENT COSTS SHALL BE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL CONSTRUCTION AND DEMOLITION DEBRIS. CONTRACTOR SHALL OBTAIN APPROVAL OF OWNER (AND BUILDING OWNER, IF APPLICABLE) FOR DETAILS RELATED TO REMOVAL OF TRASH, INCLUDING SUCH ISSUES AS PATH OF TRAVEL, USE OF STAIRS AND ELEVATORS, REMOVAL OF WINDOWS, LOCATION OF CHUTES AND DUMPSTERS, ETC., PRIOR TO REMOVAL OF DEBRIS. CONTRACTOR SHALL CLEAN AND REPAIR ANY DAMAGES TO EXISTING SYSTEMS SOILED OR DAMAGED BY DEBRIS REMOVAL PROCESS. IF CLEANING AND REPAIR DOES NOT RETURN SYSTEM(S) TO ORIGINAL CONDITION, CONTRACTOR SHALL INSTALL NEW SYSTEM(S).
- CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH OWNER'S (OR BUILDING OWNER'S) PROCEDURES FOR MAINTAINING A SECURE SITE AND BUILDING.
- WITH AN EXISTING BUILDING, CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH OWNER'S (OR BUILDING OWNER'S) PROCEDURES FOR DISABLING AND REACTIVATING EXISTING BUILDING SYSTEMS.
- EACH INSTALLER SHALL EXAMINE SUBSTRATE CONDITIONS AND/OR SITE CONDITIONS WHICH AFFECT THE QUALITY OF EACH PRODUCT TO BE INSTALLED. IF ANY CONDITIONS EXIST WHICH WILL HAVE A DETRIMENTAL EFFECT ON THE QUALITY OF THE INSTALLATION, THE INSTALLER SHALL IMMEDIATELY NOTIFY THE CONTRACTOR. INSTALLATION SHALL NOT PROCEED UNTIL THE UNSATISFACTORY CONDITIONS ARE CORRECTED. INSTALLATION SHALL SIGNIFY ACCEPTANCE OF THE CONDITIONS.
- CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS ON SITE AT ALL TIMES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COORDINATION EFFORTS OF ALL SUBCONTRACTORS.
- ALL FIRE SAFETY SYSTEMS (i.e., AUTOMATIC SPRINKLERS, FIRE ALARM, EMERGENCY POWER & LIGHTING, SMOKE CONTROL, FIRE DAMPERS, LABEL DOORS, ETC.) SHALL REMAIN IN OPERATION TO THE MAXIMUM EXTENT POSSIBLE. IF SYSTEMS ARE TAKEN OUT OF OPERATION DURING CONSTRUCTION WORKING HOURS, THE SYSTEMS SHALL BE PLACED BACK INTO SERVICE DURING NON-CONSTRUCTION HOURS. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL NOT CLOSE UP CEILING UNTIL ARCHITECT HAS AN OPPORTUNITY TO REVIEW ALL WORK WHICH WILL BE CONCEALED BY CEILING. CONTRACTOR SHALL NOTIFY ARCHITECT AT LEAST TWO WEEKS PRIOR TO CLOSE-UP.
- CONTRACTOR SHALL LAUNCH WORK AS SOON AS POSSIBLE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
- CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY ACCESS PANEL, CLEAN-OUT ACCESS OR OTHER ACCESS POINT NOT ELEVATED OR DIMENSIONALLY LOCATED IN THE DOCUMENT SET FOR FINAL COORDINATION.
- CONTRACTOR SHALL COOPERATE WITH THE OWNER'S COMMUNICATION WIRING INSTALLER'S NEED TO INSTALL WIRING IN CONCEALED LOCATIONS SUCH AS WALLS OR CEILING PLENUMS. COOPERATION SHALL INCLUDE NOTIFICATION OF SCHEDULE FOR CLOSE-UP IN ORDER TO PROVIDE INSTALLER SUFFICIENT TIME TO COMPLETE INSTALLATION.

**USE OF CONSTRUCTION DOCUMENTS**

- CONTRACTOR SHALL NOT SCALE DRAWINGS. ONLY WRITTEN DIMENSIONS OR KEYED NOTES SHALL BE USED. CONTACT ARCHITECT IF CLARIFICATION OR ADDITIONAL INFORMATION IS REQUIRED.
- INFORMATION REGARDING EXISTING SITE CONDITIONS INDICATED IN THESE DOCUMENTS IS BASED UPON INFORMATION FURNISHED TO THE ARCHITECT BY THE OWNER AND/OR PERCEIVED CONDITIONS IN THE FIELD. THE INFORMATION IS NOT INTENDED TO GUARANTEE EXACT CONDITIONS BEFORE WORK IS STARTED. NOTIFY THE ARCHITECT IF ANY DISCREPANCIES ARE FOUND.
- THE DRAWINGS ARE SCHEMATIC IN NATURE. MODIFICATIONS IN DUCTS, PIPING, CONDUIT AND WIRING MAY BE REQUIRED TO ACCOMMODATE ACTUAL FIELD CONDITIONS.
- DRAWINGS SHALL NOT BE REPRODUCED FOR SUBMITTALS. DRAWINGS OR PORTIONS OF DRAWINGS USED FOR SUBMITTALS WILL BE REJECTED AND RETURNED TO THE CONTRACTOR.
- ROOM NAMES AND NUMBERS ARE FOR CONSTRUCTION PURPOSES ONLY.

**1 GENERAL NOTES**

**DEFINITIONS**

- "TYPICAL" OR "TYP" INDICATES IDENTICAL COMPLETE SYSTEM SHALL BE PROVIDED FOR EACH OCCURRENCE OF THE CONDITION NOTED.
- "SIMILAR" INDICATES COMPLETE SYSTEM AND COMPONENTS SHALL BE PROVIDED COMPARABLE TO THE CHARACTERISTICS FOR THE CONDITION NOTED.
- "AS REQUIRED" INDICATES COMPONENTS REQUIRED TO COMPLETE THE NOTED, SYSTEM AS INDICATED IN THE PROJECT DOCUMENTS, SHALL BE PROVIDED.
- "ALIGN" AS USED IN THESE DOCUMENTS SHALL MEAN TO ACCURATELY LOCATE AND FINISH FACES OF MATERIALS IN STRAIGHT, TRUE, AND PLUMB RELATION TO ADJACENT MATERIALS; AND/OR TO INSTALL NEW CONSTRUCTION ADJACENT TO EXISTING CONSTRUCTION WITHOUT ANY VISIBLE JOINTS OR SURFACE IRREGULARITIES.
- "CLEAR" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS NOT ADJUSTABLE WITHOUT THE APPROVAL OF THE ARCHITECT. CLEAR DIMENSIONS ARE TYPICALLY TO FINISH FACE.
- "MAXIMUM" OR "MAX." AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS SLIGHTLY ADJUSTABLE BUT MAY NOT VARY TO A DIMENSION OR QUANTITY GREATER THAN THAT SHOWN WITHOUT APPROVAL OF THE ARCHITECT.
- "MINIMUM" OR "MIN." AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS SLIGHTLY ADJUSTABLE BUT MAY NOT VARY TO A DIMENSION OR QUANTITY LESS THAN THAT SHOWN WITHOUT APPROVAL OF THE ARCHITECT.
- "HOLD" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS NOT ADJUSTABLE WITHOUT THE APPROVAL OF THE ARCHITECT, AND IN SOME CASES IT MAY REQUIRE EXCEEDING TOLERANCES DEFINED IN SPECIFICATIONS.

**DIMENSIONS**

- DIMENSIONS ARE AS FOLLOWS UNLESS OTHERWISE NOTED.
  - TO FINISHED FACE OF PARTITION OR EXTERIOR WALL.
  - TO CENTERLINE OF COLUMNS AND STRUCTURAL GRID.
  - TO TOP OF STRUCTURAL FLOOR.
  - TO BOTTOM (INTERIOR FACE) OF FINISHED CEILING.
- DIMENSIONS INDICATED AS 'FO CMU' ARE FROM FACE OF CMU TO WORKPOINT (WP); 'FO WD' ARE FROM FACE OF WOOD FINISH TO WORKPOINT (WP).
- ALIGNMENT OF PARTITIONS AND FINISHES AS SCHEDULED SHALL BE STRAIGHT, TRUE & PLUMB. THE PRIORITY FOR PROJECT DIMENSIONS SHALL BE IN THE FOLLOWING ORDER:
  - MINIMUM DIMENSION FOR ACCESSIBILITY CLEARANCE & BUILDING CODE REQUIREMENT.
  - LARGE SCALE DETAILS
  - SMALL SCALE DETAILS
  - ENLARGED VIEWS
  - FLOOR PLANS & ELEVATIONS
- FLOOR ELEVATIONS ARE INDICATED TO FINISH FLOOR SURFACE UNLESS OTHERWISE NOTED.
- VERTICAL DIMENSIONS ARE INDICATED FROM THE FLOOR ELEVATION TO FACE OF FINISHED MATERIAL AT THE DIMEN POINT, UNLESS NOTED ABOVE FINISH FLOOR - "AFF".
- CEILING HEIGHTS ARE INDICATED FROM THE FLOOR ELEVATION TO THE FACE OF SUSPENDED CEILING SYSTEM OR FACE OF FINISH MATERIAL AS SCHEDULED.
- DIMENSIONS SHOWN ON THE DRAWINGS SHALL INDICATE THE REQUIRED SIZE, CLEARANCE, AND DIMENSIONAL RELATIONSHIP BETWEEN PROJECT SYSTEMS AND COMPONENTS. DIMENSIONS SHALL NOT BE DETERMINED BY SCALING THE DRAWINGS.

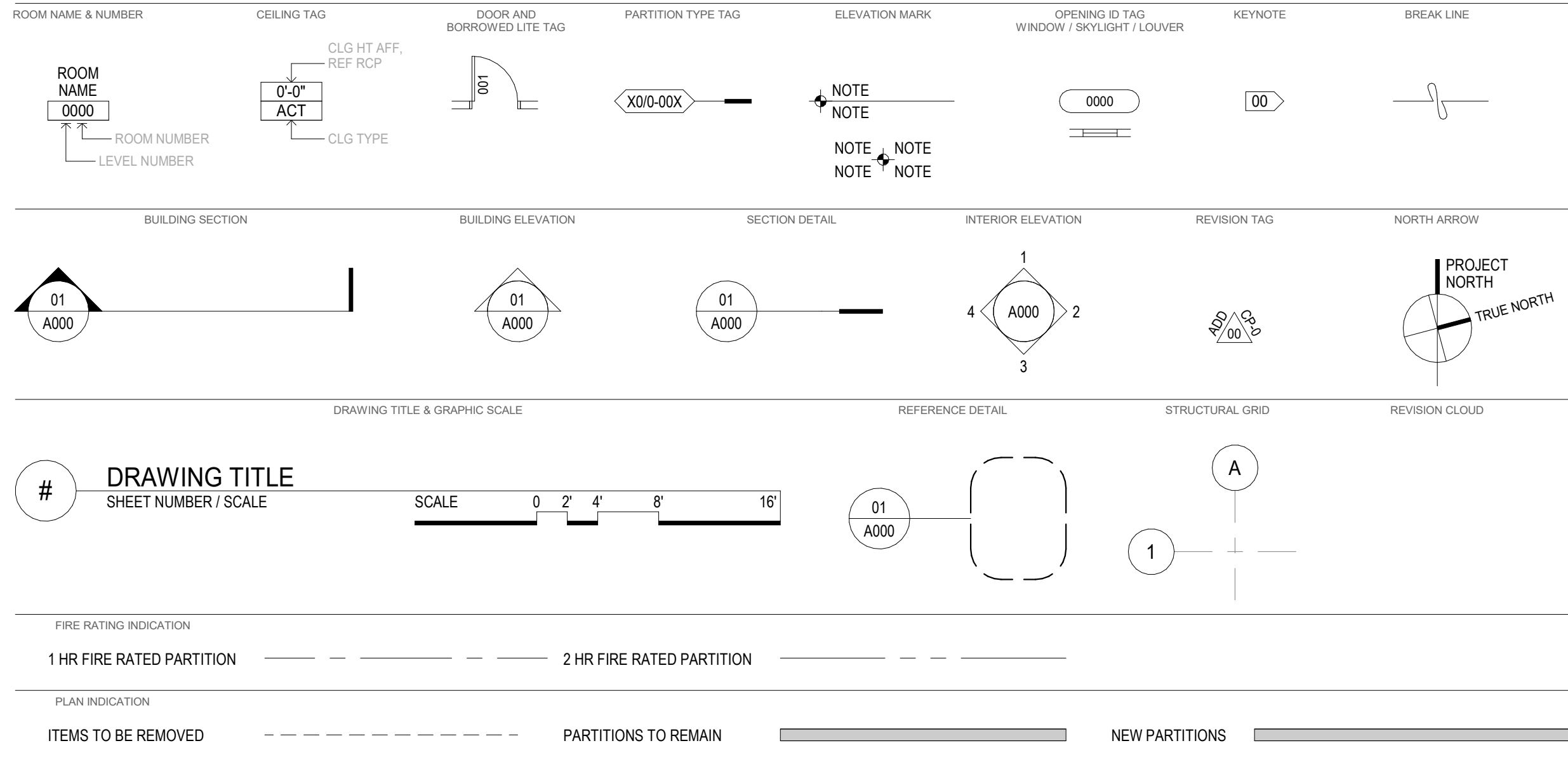
**DRAWING SET ORGANIZATION**

- EACH DRAWING SET SHEET IS IDENTIFIED BY THE SHEET NUMBER IN THE LOWER RIGHT HAND CORNER OF THE DRAWING TITLE BLOCK. THE SHEET TITLE PROVIDES A GENERAL DESCRIPTION OF THE CONTENTS OF THE SHEET. SHEET NUMBER EXAMPLE: A201  
 \*A\* INDICATES THE DISCIPLINE THAT CREATED THE DRAWING  
 \*Z\* INDICATES THE DRAWING CATEGORY CONTAINED ON THE SHEET  
 \*01\* INDICATES THE SHEET NUMBER
- SHEET NUMBERS MAY INCLUDE SUPPLEMENTAL CHARACTERS TO PROVIDE ADDITIONAL INFORMATION, SUCH AS DRAWING CONTENT, PROJECT SECTOR OR PHASE. REFER TO THE DRAWING INDEX FOR A COMPLETE LIST OF SHEETS INCLUDED IN THE DOCUMENT SET.  
 EXAMPLE: EL201A
- "EL" INDICATES THE DISCIPLINE THAT CREATED THE DRAWING AND THE DRAWING CONTENT = ELECTRICAL LIGHTING  
 \*A\* INDICATES SECTOR "A" OF PLAN SHEET "201". REFER TO THE PROJECT KEY PLAN OR COMPOSITE PLAN INDICATING THE RELATIONSHIP OF THE SECTORS.
- DRAWING SET INDEX INDICATES THE COMPLETE LIST OF SHEETS CONTAINED IN THE DRAWING SET, INDEXED BY DISCIPLINE, SHEET NUMBER AND SHEET TITLE. IN SEQUENTIAL ORDER. NOTE THAT ALL SEQUENTIAL SHEET NUMBERS MAY BE NOT USED IN THE DRAWING SET.
- EXAMPLE DISCIPLINE IDENTIFICATION, IN ORDER BOUND IN THE DRAWING SET. REFER TO THE DRAWING SET INDEX FOR DISCIPLINE CONTAINED IN THIS DRAWING SET:

**OTHER DISCIPLINES**

- CONTRACTOR SHALL REVIEW ALL OTHER DOCUMENT DISCIPLINES FOR ADDITIONAL INFORMATION AND DISCIPLINE-SPECIFIC GENERAL NOTES, ABBREVIATIONS AND SYMBOLOGY. CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL DISCIPLINES AND BUILDING TRADES IN ORDER TO ENSURE THAT THE WORK DESIGNATED IS COMPLETED ON SCHEDULE AND IN COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.
- CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING AND BRACING AS REQUIRED FOR THE SCHEDULED WORK.

**SYMBOLGY - REFERENCE TAGS**

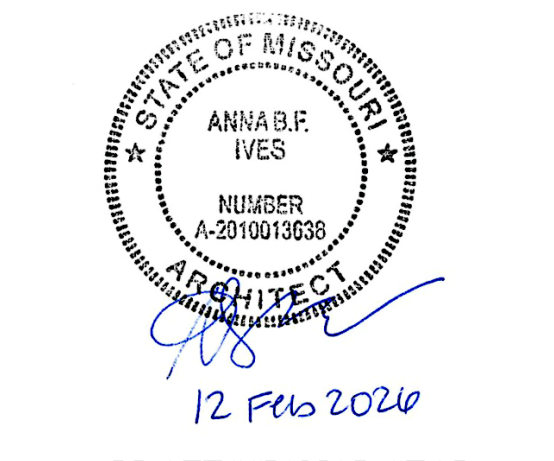


**2 SYMBOL LEGEND**

|  |  |   |  |
|--|--|---|--|
| <b>A</b> ANCHOR BOLT                           | <b>EW</b> EACH WAY                                     | <b>L</b> LAYER                                    | <b>RL</b> POWER CORD REEL              |
| <b>AB</b> ACCESS CONTROL                       | <b>EWG</b> ELECTRIC WATER COOLER                       | <b>LAM</b> LAMINATE                               | <b>RM</b> ROOM                         |
| <b>AC</b> ACTIVE LEAF                          | <b>EX</b> EXIT SIGN                                    | <b>LAV</b> LAVATORY                               | <b>RO</b> ROUGH OPENING                |
| <b>AL</b> ACOUSTICAL CEILING TILE              | <b>EXH</b> EXHAUST                                     | <b>LF</b> LINEAR FEET                             | <b>S</b> SOUTH                         |
| <b>ADJ</b> ADJACENT                            | <b>EXP</b> EXPANSION                                   | <b>LS</b> LIGHT SWITCH                            | <b>SA</b> SUPPLY AIR                   |
| <b>AFF</b> ABOVE FINISHED FLOOR                | <b>EXPS</b> EXPOSED STRUCTURE                          | <b>LT</b> LIGHT                                   | <b>SC</b> SOLID CORE                   |
| <b>AGGR</b> AGGREGATE                          | <b>EXIST (E)</b> EXISTING                              | <b>LT WT</b> LIGHT WEIGHT                         | <b>SCHED</b> SCHEDULE                  |
| <b>ALT</b> ALTERNATE                           | <b>EXT</b> EXTERIOR                                    | <b>LVL</b> LOW VOLTAGE LEVEL                      | <b>SD</b> SMOKE DETECTOR               |
| <b>ALUM</b> ALUMINIUM                          | <b>F</b> FIRE ALARM                                    | <b>LVR</b> LOUVER                                 | <b>SE</b> SLAB EDGE                    |
| <b>AP</b> ACCESS PANEL                         | <b>FA</b> FLOOR CLEANOUT                               | <b>M</b> MAXIMUM                                  | <b>SECT</b> SECTION                    |
| <b>APPROX</b> APPROXIMATE                      | <b>FCO</b> FLOOR DRAIN                                 | <b>MECH</b> MECHANICAL                            | <b>SF</b> SQUARE FOOT                  |
| <b>ARCH</b> ARCHITECTURAL (ARCHITECT)          | <b>FDS</b> FLOOR DRAIN WITH STRAINER                   | <b>MEMB</b> MEMBRANE                              | <b>SH</b> SHADE                        |
| <b>AS</b> AUTOMATED SHADE                      | <b>FDN</b> FOUNDATION                                  | <b>MFR</b> MANUFACTURER                           | <b>SHT</b> SHEATHING                   |
| <b>ASF</b> ALUMINIUM STOREFRONT FRAMING        | <b>FE</b> FIRE EXTINGUISHER                            | <b>MIN</b> MINIMUM                                | <b>SHEET</b> SHEET                     |
| <b>B</b> BOARD                                 | <b>FEC</b> FIRE EXTINGUISHER CABINET                   | <b>MINL</b> MINERAL                               | <b>SIM</b> SIMILAR                     |
| <b>BKHD</b> BULKHEAD                           | <b>FF</b> FINISH FLOOR                                 | <b>MIR</b> MIRROR                                 | <b>SLNT</b> SEALANT                    |
| <b>BLDG</b> BUILDING                           | <b>FFE</b> FURNITURE, FIXTURES & EQUIPMENT             | <b>MISC</b> MISCELLANEOUS                         | <b>SOG</b> SLAB ON GRADE               |
| <b>BLK</b> BLOCK                               | <b>FHC</b> FIRE HOSE CABINET / CONNECTION              | <b>MO</b> MASONRY OPENING                         | <b>SP</b> SPRINKLER                    |
| <b>BLKG</b> BLOCKING                           | <b>FIN</b> FINISH                                      | <b>MS</b> MANUAL SHADE                            | <b>SPEC</b> SPECIFICATION              |
| <b>BLW</b> BELOW                               | <b>FIXT</b> FIXTURE                                    | <b>MSD</b> MOTORIZED SLIDING DOOR                 | <b>SPKR</b> SPEAKER                    |
| <b>BM</b> BEAM                                 | <b>FJ</b> FORM JOINT                                   | <b>MTD</b> MOUNTED                                | <b>SQ</b> SQUARE                       |
| <b>BO</b> BOTTOM OF                            | <b>FL</b> FLOW LINE                                    | <b>MTL</b> METAL                                  | <b>SS</b> SOLID SURFACE                |
| <b>BOS</b> BOTTOM OF STEEL                     | <b>FLR</b> FLOOR                                       | <b>MUL</b> MULLION                                | <b>SST</b> STAINLESS STEEL             |
| <b>BOD</b> BASIS OF DESIGN                     | <b>FLUOR</b> FLUORESCENT                               | <b>N</b> NORTH                                    | <b>STAG</b> STAGGERED                  |
| <b>BOL</b> BOLLARD                             | <b>FND</b> FOUNDATION                                  | <b>NA</b> NOT APPLICABLE                          | <b>STD</b> STANDARD                    |
| <b>BOT</b> BOTTOM                              | <b>FO</b> FACE OF                                      | <b>NIC</b> NOT IN CONTRACT                        | <b>STRUCT</b> STRUCTURAL               |
| <b>BRG</b> BEARING                             | <b>FOB</b> FACE OF BRICK                               | <b>NO</b> NUMBER                                  | <b>SUSP</b> SUSPENDED                  |
| <b>BRD</b> BOARD                               | <b>FOC</b> FACE OF CONCRETE                            | <b>NOM</b> NOMINAL                                | <b>SV</b> SMOKE VENT                   |
| <b>BTWN (B/W)</b> BETWEEN                      | <b>FOF</b> FACE OF FINISH                              | <b>NTS</b> NOT TO SCALE                           | <b>SW</b> SIDEWALL                     |
| <b>BUR</b> BUILT UP ROOFING                    | <b>FOG</b> FACE OF GLAZING                             | <b>OC</b> ON CENTER                               | <b>SYS</b> SYSTEM                      |
| <b>BW</b> BOTH WAYS                            | <b>FOM</b> FACE OF MULLION                             | <b>OD</b> OUTSIDE DIAMETER                        | <b>T &amp; B</b> TOP AND BOTTOM        |
| <b>BYND</b> BEYOND                             | <b>FOS</b> FACE OF SLAB                                | <b>OFCI</b> OWNER FURNISHED, CONTRACTOR INSTALLED | <b>TD</b> TROUGH DRAIN (K/FS)          |
| <b>C</b> CAMERA (SECURITY)                     | <b>FOW</b> FACE OF WALL                                | <b>OFDI</b> OWNER FURNISHED, OWNER INSTALLED      | <b>TEL</b> TELEPHONE                   |
| <b>CAM</b> CAMERA (SECURITY)                   | <b>FP</b> FIRE PROTECTION                              | <b>OFN</b> OVERFLOW NOZZLE                        | <b>TEMP</b> TEMPORARY                  |
| <b>C/F</b> COOLER/FREEZER                      | <b>FR</b> FRAME  | <b>OH</b> OPPOSITE HAND                           | <b>TG</b> TONGUE & GROOVE              |
| <b>CIP</b> CAST IN PLACE                       | <b>FRGD</b> FOREGROUND                                 | <b>OVHD</b> OVERHEAD                              | <b>THK</b> THICK                       |
| <b>CIRC</b> CIRCULATION                        | <b>FRT</b> FIRE RETARDANT TREATED                      | <b>OPG</b> OPENING                                | <b>TL</b> TILE                         |
| <b>CMF</b> CENTERLINE                          | <b>FS</b> FLOOR SINK                                   | <b>OPT</b> OPTION                                 | <b>TLT</b> TOILET (ROOM)               |
| <b>CMFL</b> COLD FORMED METAL FRAMING          | <b>FSNTR</b> FASTENER                                  | <b>ORD</b> OVERFLOW ROOF DRAIN                    | <b>TO</b> TOP OF                       |
| <b>CLG</b> CEILING                             | <b>FT</b> FOOT OR FEET                                 | <b>ORN</b> ORNAMENTAL                             | <b>TOC</b> TOP OF CONCRETE             |
| <b>CLR</b> CLEAR                               | <b>FTG</b> FOOTING                                     | <b>OS</b> OCCUPANCY SENSOR                        | <b>TOP</b> TOP OF PARAPET              |
| <b>CLT</b> CROSS-LAMINATED TIMBER              | <b>FURR</b> FURRING                                    | <b>PA</b> POWER ASSIST                            | <b>TOS</b> TOP OF STEEL                |
| <b>CMU</b> CONCRETE MASONRY UNIT               | <b>G</b> GAUGE   | <b>PCT</b> PRE-CAST CONCRETE                      | <b>TOW</b> TOP OF WALL                 |
| <b>CNSK</b> COUNTERSINK (COUNTERSUNK)          | <b>GALV</b> GALVANIZED                                 | <b>PDA/V</b> POWER, DATA, & AV                    | <b>TPO</b> TREAD                       |
| <b>COL</b> COLUMN                              | <b>GC</b> GENERAL CONTRACTOR                           | <b>PERF</b> PERFORATED                            | <b>TR</b> TERMINATED STOP              |
| <b>CON / CONC</b> CONCRETE                     | <b>GL / GLAZ</b> GLASS / GLAZING                       | <b>PERP</b> PERPENDICULAR                         | <b>TYP</b> TYPICAL                     |
| <b>CONN</b> CONNECTION                         | <b>GR</b> GRID   | <b>PL</b> PROPERTY LINE                           | <b>U</b> UNLESS OTHERWISE NOTED        |
| <b>CONSTR</b> CONSTRUCTION                     | <b>GRD</b> GRADE                                       | <b>PLAM</b> PLASTIC LAMINATE                      | <b>UIC</b> UNDERCOUNTER                |
| <b>CONTR</b> CONTRACTOR                        | <b>GYP / GYPBD</b> GYPSUM / GYPSUM BOARD               | <b>PLAS</b> PLASTER                               | <b>UG</b> UNDERGROUND                  |
| <b>COORD</b> COORDINATE                        | <b>H</b> HOSE BIBB                                     | <b>PLMB</b> PLUMBING                              | <b>UIS</b> UNDERSIDE (ROOF ASSEMBLIES) |
| <b>CPT</b> CARPET                              | <b>HC</b> HOLLOW CORE                                  | <b>PLT</b> PLATE                                  | <b>V</b> VERTICAL                      |
| <b>CR</b> CARD READER                          | <b>HCP</b> HEAVY DUTY                                  | <b>PLYWD</b> PLYWOOD                              | <b>VERT</b> VERTICAL                   |
| <b>CW</b> CURTAIN WALL                         | <b>HDWD</b> HARDWOOD                                   | <b>POL</b> POLISHED                               | <b>VIF</b> VERIFY IN FIELD             |
| <b>D</b> DEGREE                                | <b>HDW</b> HARDWARE                                    | <b>PR</b> PAIR                                    | <b>VTR</b> VENT THROUGH ROOF           |
| <b>DEG</b> DEGREE                              | <b>HM</b> HOLLOW METAL                                 | <b>PRFM</b> PERFORMANCE FINISH SYSTEM             | <b>W</b> WEST                          |
| <b>DEMO</b> DEMOLISH / DEMOLITION / REMOVE     | <b>HORIZ</b> HORIZONTAL                                | <b>PT</b> PAINT                                   | <b>WI</b> WIRELESS ACCESS POINT        |
| <b>DIAG</b> DIAGONAL                           | <b>HR</b> HIGH POINT                                   | <b>PTD</b> PAINTED                                | <b>WC</b> WATER CLOSET                 |
| <b>DIA</b> DIAMETER                            | <b>HSFD</b> HIGH SPEED FABRIC DOOR                     | <b>PTN</b> PARTITION                              | <b>WD</b> WOOD                         |
| <b>DIM</b> DIMENSION                           | <b>HT</b> HEIGHT                                       | <b>PTYPE</b> PARTITION TYPE                       | <b>WDW</b> WINDOW                      |
| <b>DN</b> DOWN                                 | <b>HVAC</b> HEATING VENTILATION & AIR CONDITIONING     | <b>PWR</b> POWER                                  | <b>WH</b> WATER HEATER                 |
| <b>DNSPT (DS)</b> DOWNSPOUT                    | <b>I</b> INTERCOM                                      | <b>PWR-D</b> POWER DROP CORD                      | <b>WIC</b> WITHOUT                     |
| <b>DPS</b> DOOR POSITION SWITCH                | <b>IC</b> INSIDE DIAMETER                              | <b>Q</b> QUANTITY                                 | <b>WP</b> WORKPOINT                    |
| <b>DR</b> DOOR                                 | <b>INSUL</b> INSULATION                                | <b>R</b> RISER                                    | <b>WPM</b> WATERPROOFING MEMBRANE      |
| <b>DRP</b> DOOR PROTECTION                     | <b>INT</b> INTERIOR                                    | <b>RA</b> RETURN AIR                              | <b>WT</b> WINDOW TREATMENT             |
| <b>DTL</b> DETAIL                              | <b>ISD</b> INSULATED SLIDING DOOR                      | <b>RB</b> RESILIENT BASE                          | <b>SYMBOLS</b> SYMBOLS                 |
| <b>DW</b> DISHWASHER                           | <b>E</b> EAST  | <b>RCP</b> REFLECTED CEILING PLAN                 | <b>C</b> CENTERLINE                    |
| <b>DWG</b> DRAWING                             | <b>EA</b> EACH   | <b>RD</b> ROOF DRAIN                              | <b>PL</b> PLATE                        |
| <b>E</b> EAST                                  | <b>EGRESS ONLY</b> EXTERIOR INSULATION & FINISH SYSTEM | <b>RDO</b> ROOF DRAIN OUTLET                      |  |
| <b>EA</b> EACH                                 | <b>EJ</b> EXPANSION JOINT                              | <b>REC</b> RECOMMENDATION                         |  |
| <b>EGO</b> EXTERIOR INSULATION & FINISH SYSTEM | <b>EL</b> ELEVATION                                    | <b>REF</b> REFER TO / REFERENCE                   |  |
| <b>EJ</b> EXPANSION JOINT                      | <b>ELEC</b> ELECTRICAL                                 | <b>RES</b> RESILIENT FLOORING                     |  |
| <b>EL</b> ELEVATION                            | <b>ELEV</b> ELEVATOR                                   | <b>RENF</b> REINFORCED                            |  |
| <b>ELEC</b> ELECTRICAL                         | <b>EMER</b> EMERGENCY ENCLOSURE                        | <b>REQD</b> REQUIRED                              |  |
| <b>ELEV</b> ELEVATOR                           | <b>ENCL</b> ENCLOSURE                                  | <b>RFG</b> REFRIGERATOR                           |  |
| <b>EMER</b> EMERGENCY ENCLOSURE                | <b>EO</b> EDGE OF                                      | <b>RH</b> ROOF HATCH                              |  |
| <b>ENCL</b> ENCLOSURE                          | <b>EQ</b> EQUAL  |   |  |
| <b>EO</b> EDGE OF                              | <b>EQUIP</b> EQUIPMENT                                 |   |  |
| <b>EOS</b> EDGE OF SLAB                        | <b>J</b> JANITOR                                       |   |  |
| <b>EQ</b> EQUAL                                | <b>JB</b> JUNCTION BOX                                 |   |  |
| <b>EQUIP</b> EQUIPMENT                         | <b>JT</b> JOINT  |   |  |
|  | <b>JST</b> JOIST                                       |   |  |
|  | <b>K</b> KEK FURNISHED                                 |   |  |
|  | <b>KFC</b> KEK INSTALLED                               |   |  |
|  | <b>KEC</b> KITCHEN EQUIPMENT CONTRACTOR                |   |  |
|  | <b>KFS</b> KITCHEN/FOOD SERVICE                        |   |  |

**3 ABBREVIATIONS**

**STATE OF MISSOURI  
MIKE KEHOE,  
GOVERNOR**



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**patterh n ives llc**  
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SECONDARY  
EDUCATION**

**EGRESS STAIR**

**MISSOURI  
SCHOOL FOR THE BLIND  
3815 MAGNOLIA AVENUE  
SAINT LOUIS, MO 63110**

**PROJECT # E2332-01  
ASSET # 5012011017**

REVISION: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 REVISION: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 REVISION: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
 DRAWN BY: API  
 CHECKED BY: API  
 DESIGNED BY: API

**SHEET TITLE:  
GENERAL NOTES/  
ABBREVIATIONS/  
SYMBOLGY**

SHEET NUMBER:

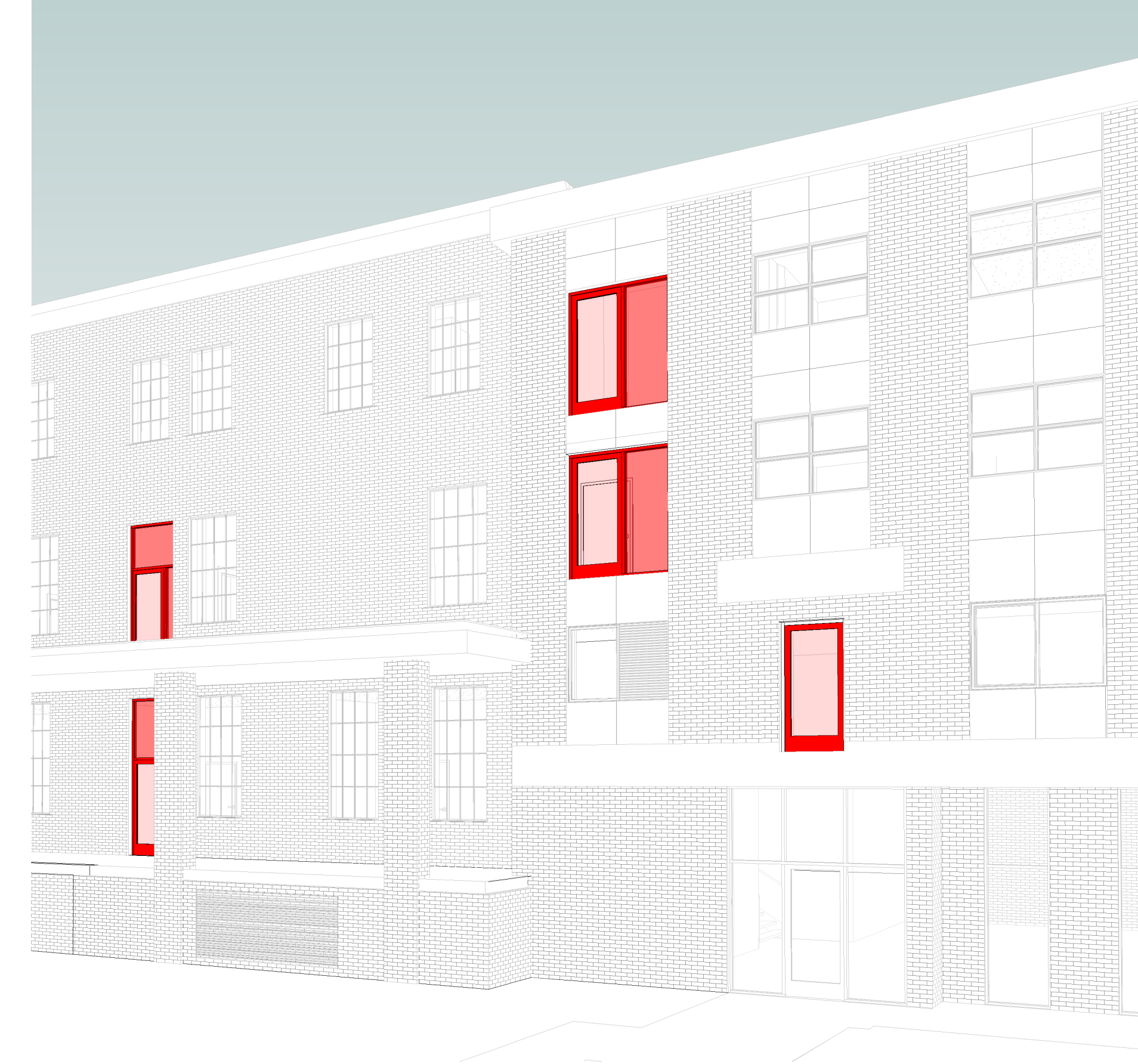
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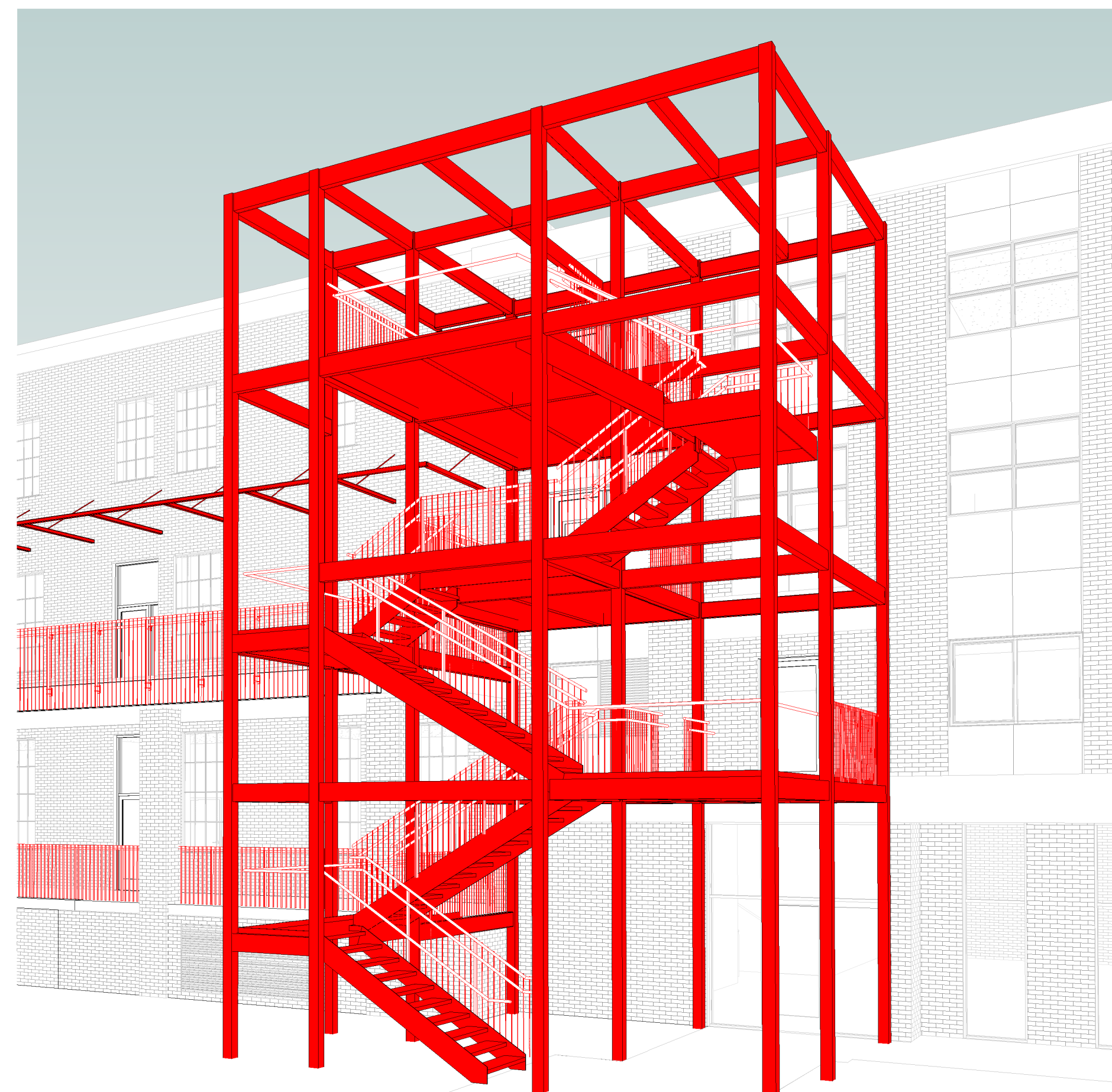
6 PHOTO OF EXISTING BUILDING  
G-003 1/2" = 1'-0"



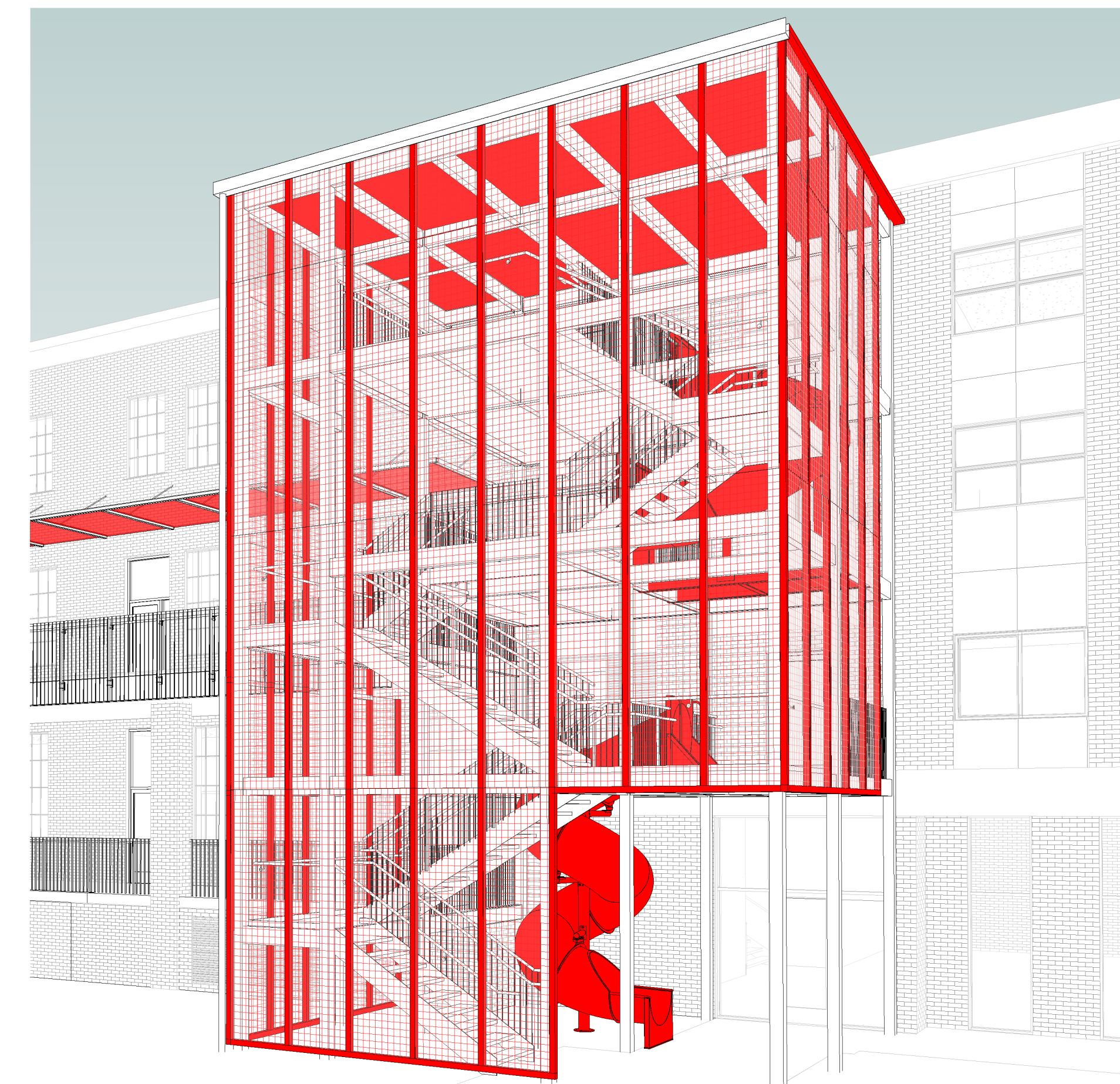
1 DEMOLITION  
G-003



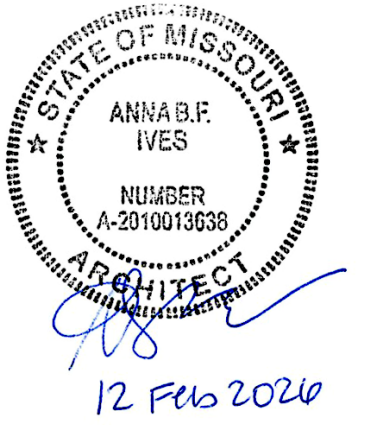
2 NEW DOORS  
G-003



3 STAIRS / STRUCTURE / RAILINGS  
G-003



4 SCREEN / CANOPY / SLIDES  
G-003



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EGRESS STAIR

MISSOURI  
SCHOOL FOR THE BLIND  
3815 MAGNOLIA AVENUE  
SAINT LOUIS, MO 63110

PROJECT # E2332-01  
ASSET # 5012011017

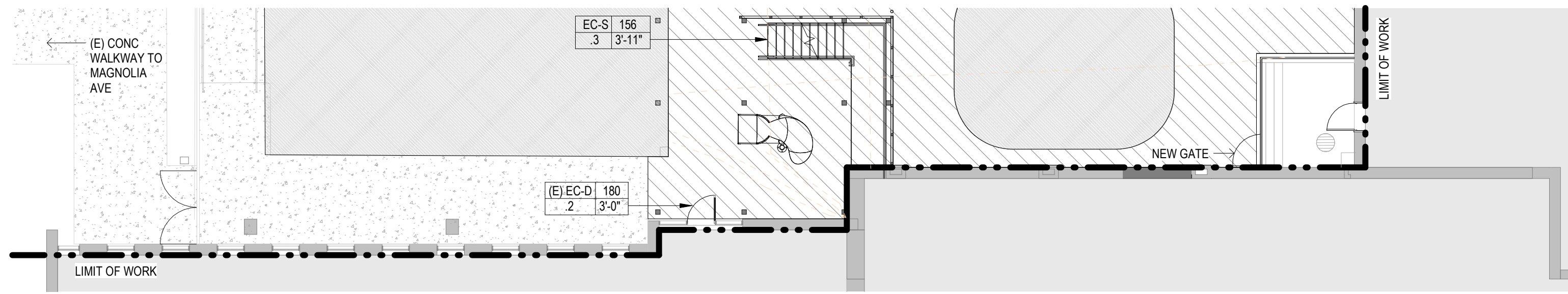
REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE:  
DRAWN BY: API  
CHECKED BY: ABI  
DESIGNED BY: API

SHEET TITLE:  
**3D VIEW  
DIAGRAMS**

SHEET NUMBER:

**G-003**



**1 LEVEL S1 (PLAYGROUND) - LIFE SAFETY**  
G-004 3/32" = 1'-0"



**CODE COMPLIANCE**

**PROJECT INFORMATION:**  
OWNER: STATE OF MISSOURI, OFFICE OF ADMINISTRATION  
PROJECT: MISSOURI SCHOOL FOR THE BLIND - EGRESS STAIR  
PROJECT MANAGER: SANDRA WALTHER, DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION  
PROJECT TYPE: ADDITION (PER IBC AND IBC SECTIONS LISTED BELOW, BUILDING AREA DOES NOT NEED TO BE REEVALUATED FOR COMPLIANCE WITH ALLOWABLE AREA LIMITS).

**APPLICABLE ADOPTED BUILDING CODES AND STANDARDS:**  
INTERNATIONAL BUILDING CODE - 2024 (IBC)  
INTERNATIONAL EXISTING BUILDING CODE - 2024 (IEBC)  
INTERNATIONAL PLUMBING CODE - 2024  
INTERNATIONAL MECHANICAL CODE - 2024  
INTERNATIONAL FIRE CODE - 2024  
NATIONAL ELECTRIC CODE - 2023  
INTERNATIONAL ENERGY CONSERVATION CODE - 2024  
AMERICANS WITH DISABILITIES ACT - STANDARDS FOR ACCESSIBLE DESIGN 2010  
NFPA 101 LIFE SAFETY CODE

**SITE & BUILDING INFORMATION:**  
ADDRESS: MISSOURI SCHOOL FOR THE BLIND  
3815 MAGNOLIA AVE  
ST. LOUIS, MISSOURI 63110  
SITE ELEVATION: 520'  
CLIMATE ZONE: ASHRAE ZONE 4A  
SEISMIC: SITE CLASS C / SEISMIC DESIGN CATEGORY C / IMPORTANCE FACTOR 1.25  
AUTHORITY HAVING JURISDICTION: STATE OF MISSOURI / CITY OF ST. LOUIS

**EXISTING BUILDING:**  
EXISTING CONSTRUCTION TYPE: IIB  
EXISTING BUILDING HEIGHT: 3-4 STORIES ABOVE GRADE  
AUTOMATIC SPRINKLER SYSTEM THROUGHOUT EXISTING BUILDING

**OCCUPANCY AND USE:**  
USE GROUP(S): EXISTING TO REMAIN (NEW STAIR)  
MINIMUM NUMBER OF EXITS: 2 PER STORY (1-500 OCCUPANTS PER STORY) - AS INDICATED ON LIFE SAFETY PLANS, TWO STAIR EXITS CURRENTLY EXIST ON EACH LEVEL. EXISTING BUILDING EGRESS IS CODE-COMPLIANT.  
EXIT ACCESS TRAVEL DISTANCE: 250 FT (OCCUPANCY E - WITH SPRINKLER SYSTEM)  
OVERALL BUILDING AREA: EXISTING TO REMAIN, NOT INCREASING, PER IEBC 1102.2 AND IBC 503.1.4.  
CHANGE IN USE / OCCUPANCY: NO

**FUNCTION OF SPACE: EXISTING TO REMAIN**  
OCCUPANT LOAD FACTOR: EXISTING (OVERALL BUILDING AREA NOT INCREASING, PER IEBC 1102.2 AND IBC 503.1.4)

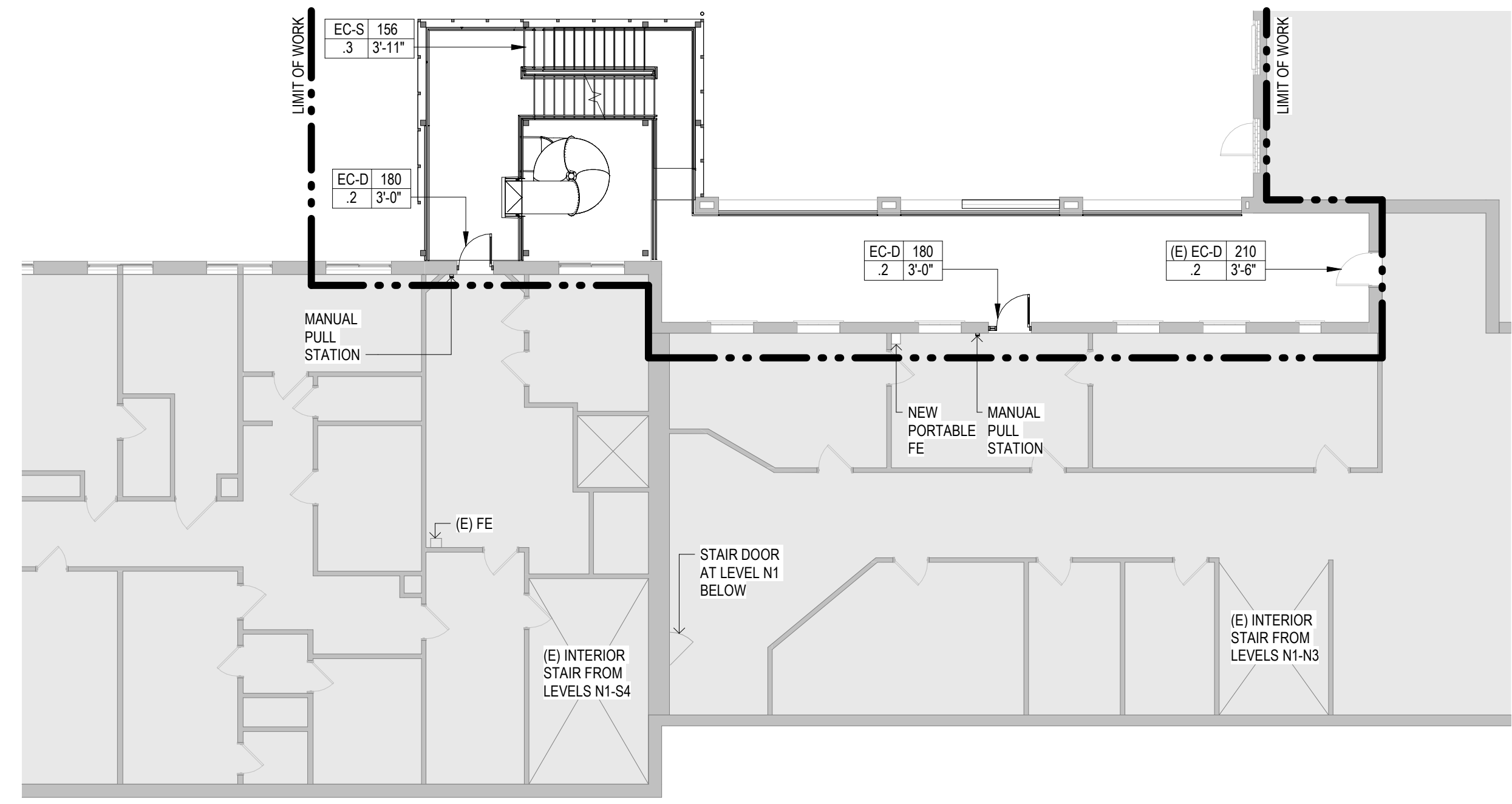
**HEIGHT & AREA LIMITATIONS:**  
CONSTRUCTION TYPE: TYPE IIIB (REF APPLICABLE PROVISIONS)  
ALLOWABLE BUILDING AREA: DOES NOT NEED TO BE REEVALUATED, PER IEBC 1102.2 AND IBC 503.1.4

| BUILDING ELEMENT                                      | FIRE-RESISTANCE RATING (IN HOURS)<br>TYPE IIIB |
|---|--|
| STRUCTURAL FRAME                                      | 0  |
| BEARING WALLS   |  |
| EXTERIOR  | 2  |
| INTERIOR  | 0  |
| NONBEARING WALLS                                      |  |
| EXTERIOR  | BASED ON FIRE-SEPARATION DISTANCE              |
| INTERIOR  | 0  |
| FLOOR CONSTRUCTION (AND ASSOCIATED SECONDARY MEMBERS) | 0  |
| ROOF CONSTRUCTION (AND ASSOCIATED SECONDARY MEMBERS)  | 0  |

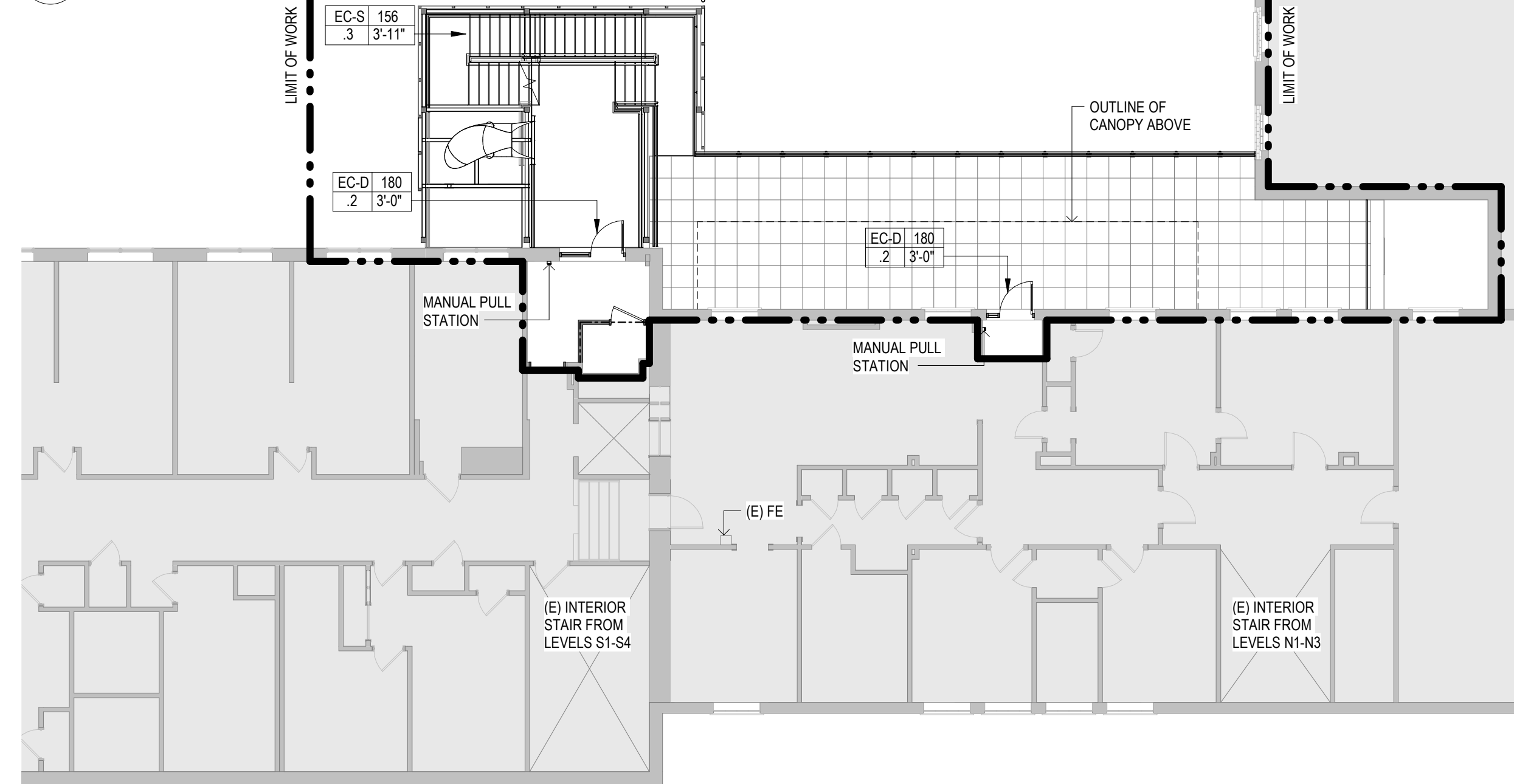
**APPLICABLE PROVISIONS - NFPA:**  
NFPA 13 Automatic Sprinklers. Section 9.2.3.1 permits the space below the new canopy at the new Terrace to remain un-sprinklered. Because the fabric canopy is noncombustible and does not create a solid "roof" condition as described in NFPA 13 Section 9.2.3.1, sprinkler protection would not be required beneath it. The key factors are that the material is noncombustible, the installation is open/permeable enough to prevent heat accumulation, and no combustibles will be stored below.  
NFPA 10 Portable Fire Extinguishers. Section 906.1 - Portable fire extinguishers are required to be provided throughout all newly constructed buildings (or portions thereof) containing Group A, E, B, and S occupancies (906.1). The maximum travel distance to an extinguisher may not exceed 75 feet.

**APPLICABLE PROVISIONS - 2024 IEBC:**  
**CHAPTER 11: ADDITIONS**  
IEBC 1101.7 Occupiable Roofs. Where a new occupiable roof is added to a building or structure, the occupiable roof shall comply with provisions of the IBC.  
IEBC 1102.2 Area Limitations. An addition shall not increase the area of an existing building beyond that permitted under the applicable provisions of Chapter 5 of the IBC for new buildings unless the fire separation as required by the IBC is provided.  
Exception: Nonoccupiable appendages such as elevator and exist stairway shafts shall be permitted beyond that permitted by the IBC.

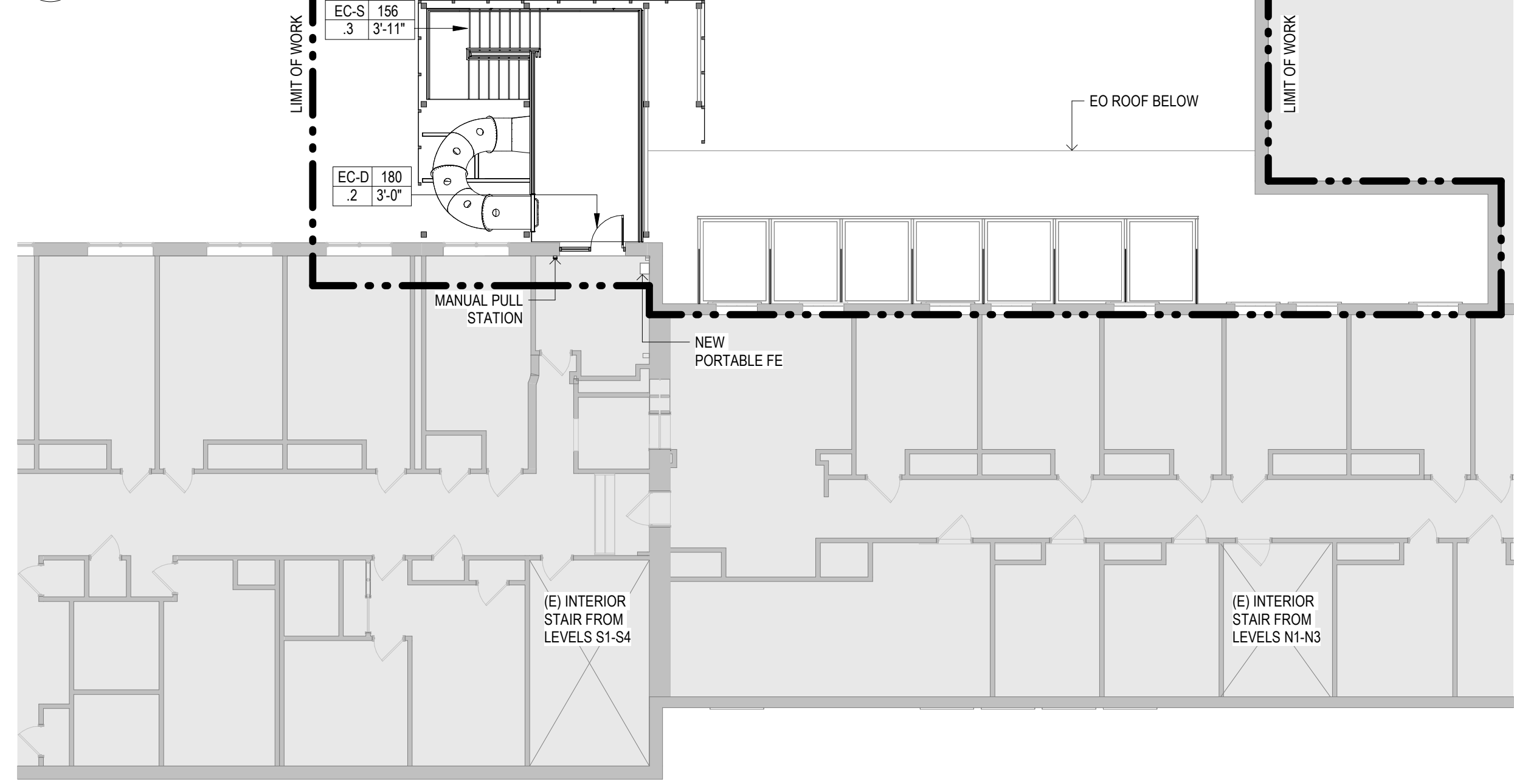
**APPLICABLE PROVISIONS - 2024 IBC:**  
**CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS**  
IBC 503.1.4 Occupiable Roofs. A roof level or portion thereof shall not be used as an occupiable roof unless the occupancy of the roof is an occupancy that is permitted by Table 504.4 for the story immediately below the roof. The area of the occupiable roofs shall not be included in the building area as regulated by Section 506. An occupiable roof shall not be included in the building height or number of stories as regulated by Section 504.  
**CHAPTER 9: FIRE PROTECTION AND LIFE SAFETY SYSTEMS**  
IBC 907.4.2.1 Location. Manual fire alarm boxes shall be located not more than 5 feet from the entrance to each exit.  
*The existing building is equipped with an emergency voice / alarm communication system (EVAC). The main fire alarm control panel is located in the basement of the building. The building is also equipped with manual pull stations located at the entrance to each exit. These conditions will be maintained.*  
**CHAPTER 10: MEANS OF EGRESS**  
IBC 1005.3 In buildings equipped with an emergency voice alarm communication system, the capacity of stairs is permitted to be calculated using a factor of 0.20 inches per occupant, while the capacity of doors, corridors, and other horizontal elements are calculated using a factor of 0.15 inches per occupant.  
IBC 1009.3.2 Stairway Width, Exception 1. The clear width of 48 inches is not required at accessible means of egress stairways in buildings protected throughout by an automatic sprinkler system.  
IBC 1009.3.3 Area of Refuge, Exception 2. An area of refuge adjacent to the stairway is not required in buildings protected throughout by an automatic sprinkler system.  
IBC 1010.1.1 Size of Doors. The minimum clear opening height of doors shall be not less than 80 inches.  
*Due to existing conditions, Door 201 will have an opening height of 6'-7". Variance approved by AHJ on 02 February 2026.*  
IBC 1011.5.2 Riser Height and Tread Depth. Stair riser heights shall be 7 inches maximum and 4 inches minimum. The riser height shall be measured vertically between the nosings of adjacent treads or between the stairway landing and the adjacent tread. Rectangular tread depths shall be 11 inches minimum measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's nosing.  
IBC 1011.5.4 Dimensional Uniformity. Stair treads and risers shall be of uniform size and shape. The tolerance between the largest and smallest riser height or between the largest and smallest tread depth shall not exceed 3/8 inch in any flight of stairs.  
IBC 1011.5.5.1 Nosing Projection Size. The nosings shall project not more than 1-1/4 inches beyond the tread below.  
IBC 1011.5.5.3 Solid Risers. Risers shall be solid.  
IBC 1011.6 Stairway Landings. There shall be a floor or landing at the top and bottom of each stairway. The width of landings, measured perpendicular to the direction of travel shall not be less than the width of stairways served.  
IBC 1011.7.2 Outdoor Conditions. Outdoor stairways and outdoor approaches to stairways shall be designed so that water will not accumulate on walking surfaces.  
IBC 1011.11 Handrails. Flights of stairways shall have handrails on each side and shall comply with Section 1014.  
IBC 1014.2 Height. Handrail height, measured from a line connecting the nosings of the flight of stairs shall be uniform, not less than 34 inches and not more than 38 inches.  
IBC 1014.4.1 Type 1. Handrails with a circular cross section shall have an outside diameter of not less than 1-1/4 inches and not greater than 2 inches.  
IBC 1014.5 Continuity. Handrail gripping surfaces shall be continuous, without interruption by newel posts or other obstructions.  
IBC 1014.7 Handrail Extensions. Handrails shall return to a wall, guard, or the walking surface, or shall be continuous to the handrail of an adjacent flight of stairs. Where handrails are not continuous between flights, the handrails shall extend horizontally not less than 12 inches beyond the top landing nosing and continue to slope for the depth of one tread beyond the bottom tread nosing.  
IBC 1014.8 Clearance. Clear space between the handrail and a wall or other surface shall be not less than 1-1/2 inches.  
IBC 1015.2 Where Required. Guards shall be located along open-sided walking surfaces, such as stairs and landings, that are located more than 30 inches measured vertically to the floor or grade below at any point within 36 inches horizontally to the edge of the open side and at the perimeter of occupiable roofs. Guards shall be adequate in strength and attachment in accordance with Section 1607.9.  
IBC 1015.3 Required guards shall be not less than 42 inches high measured vertically from adjacent walking surfaces and on stairways from the line connecting the nosings.  
IBC 1015.4 Opening Limitations. Required guards shall not have openings that allow passage of a sphere 4 inches in diameter from the walking surface to the required guard height.  
IBC Table 1020.3 Minimum Corridor Width.  
*The new exterior exit stair is being provided as an additional level of safety, but is not required for travel distance, number of exits, or minimum capacity compliance. As such, the stair will be sized based on the minimum width required to serve an occupant load greater than 50, or 44 inches. Assuming the exterior exit stair access doors will provide 33 inches of clear width and the new stair is 44 inches wide, the exterior exit stair could accommodate 260 occupants (44' / 0.20 = 220).*  
IBC 1027.3 Open Side. Exterior exit stairways shall be open on not less than one side, except for required structural columns, beams, handrails, and guards. An open side shall have not less than 35 square feet of aggregate open area adjacent to each floor level and the level of each intermediate landing. The required open area shall be located not less than 42 inches above the adjacent floor or landing level.  
IBC 1027.4 Side Yards. The open areas adjoining exterior exit stairways shall be either yards, courts, or public ways.  
IBC 1027.5 Location. Exterior exit stairways and ramps shall have a minimum fire separation distance of 10 feet measured at right angles from the exterior edge of the stairway including to adjacent lot lines, other portions of the building, or other buildings on the same lot.  
IBC 1027.6 Exterior Exit Stairway and Ramp Protection. Exterior exit stairways shall be separated from the interior of the building as required in Section 1023.2. The exterior exit stair is required to be separated from the interior of the building by 1-hour fire barrier construction that extends for 10 feet in all directions when serving more than two stories.  
*In lieu of separating the stair from the interior of the building by 1-hour fire rated construction, the Design Team is proposing to locate the stair at least 10 feet from the building it will serve, to mitigate any impact on the stair from a fire in an adjacent space. Confirmed with AHJ on 05 September 2024.*  
*Where the intent of the IBC requires exterior egress components to remain safe, accessible, and protected from hazardous runoff, the project will meet these criteria with a new canopy and a new heat trace system below new pavers along the roof terrace egress path. Variance approved by AHJ on 02 February 2026.*



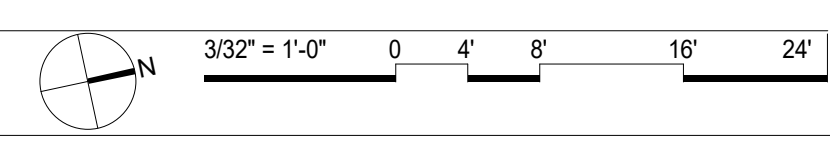
**2 LEVEL S2 / N1 (HEALTH CENTER / PORCH) - LIFE SAFETY**  
G-004 3/32" = 1'-0"



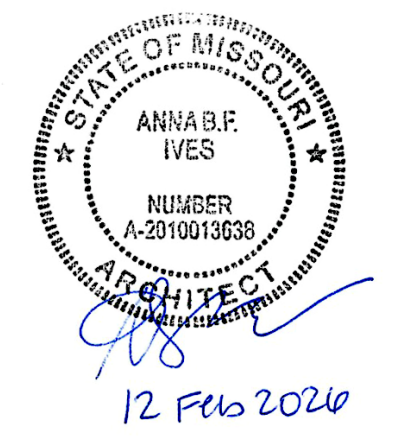
**3 LEVEL S3 / N2 (E DORM / LIFE DORM) - LIFE SAFETY**  
G-004 3/32" = 1'-0"



**4 LEVEL S4 / N3 (F DORM) - LIFE SAFETY**  
G-004 3/32" = 1'-0"



STATE OF MISSOURI  
MIKE KEHOE,  
GOVERNOR



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PROJECT # E2332-01  
ASSET # 5012011017

REVISION:  
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ISSUE DATE: 12 FEB 2026

CAD DWG FILE:  
DRAWN BY: EJC  
CHECKED BY: ABI  
DESIGNED BY: API

SHEET TITLE:  
**LIFE SAFETY  
PLANS & CODE  
ANALYSIS**

SHEET NUMBER:

**G-004**

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ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: SJA  
CHECKED BY: DL  
DESIGNED BY: SJA

SHEET TITLE:  
**DEMOLITION  
PLAN**

SHEET NUMBER:

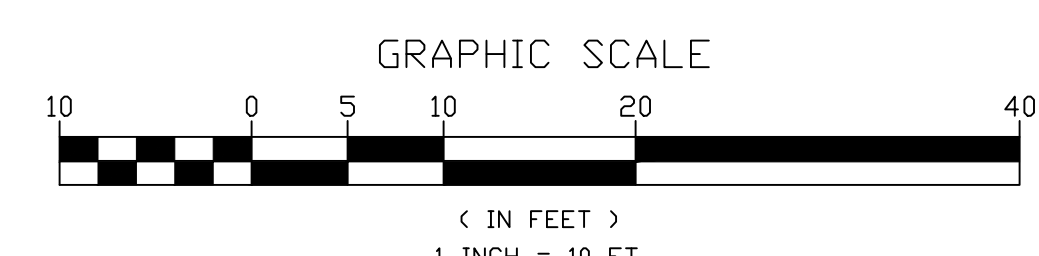
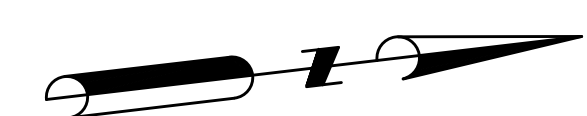
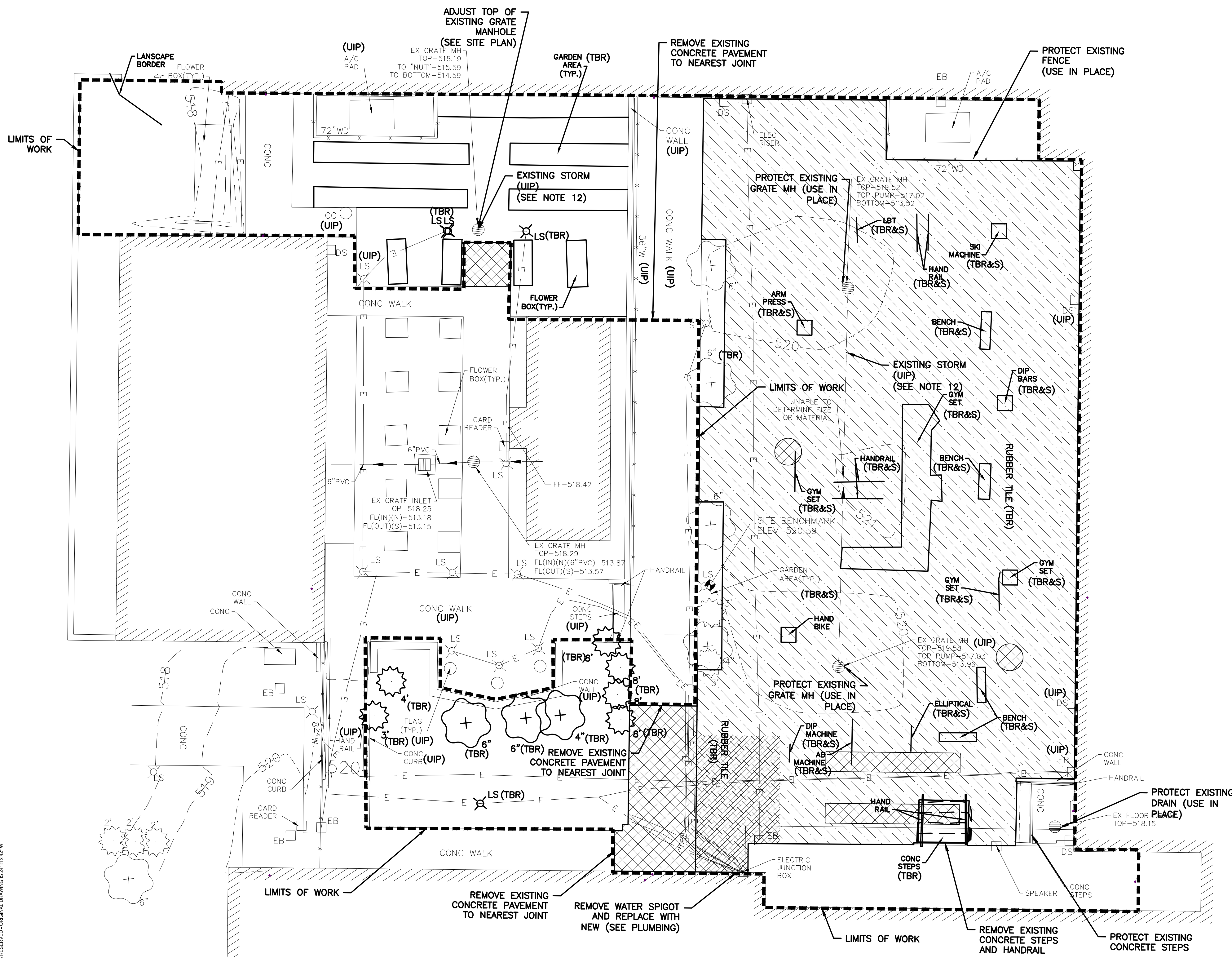
**C-100**

**LEGEND:**

- (TBR&S) TO BE REMOVED & SALVAGED (SEE DEMOLITION NOTE 1)
- (TBR) TO BE REMOVED
- (UIP) USE IN PLACE
- LIMITS OF WORK
- [Hatched Box] PAVEMENT TO BE REMOVED
- [Diagonal Lines] RUBBER PLAYGROUND SURFACE TILES TO BE REMOVED
- [Cross-hatched Box] CONCRETE BASE UNDER TILES TO BE REMOVED

**DEMOLITION NOTES (APPLY TO ALL CIVIL SHEETS):**

1. EXISTING PLAYGROUND SHALL BE REMOVED AND SALVAGED AND RETURNED TO OWNER. REMOVE ALL CONCRETE FOOTINGS DOWN TO THE TOP LEVEL OF THE PLAYGROUND SURFACE CONCRETE BASE.
2. AREAS SURROUNDING THIS SITE WILL CONTAIN BOTH PEDESTRIAN AND VEHICLE TRAFFIC. ALL NECESSARY CARE SHALL BE TAKEN BY THE CONTRACTOR TO ENSURE THE SAFETY OF THE GENERAL PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND MAINTAINING SAFE AND EFFICIENT PROJECT LIMITS. THE CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE, AND LOCAL GUIDELINES WITH REGARDS TO CONSTRUCTION SAFETY THROUGHOUT THE ENTIRE DURATION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY BREACHES OF SAFETY OR DESTRUCTION OF PROPERTY RELATED TO THE CONSTRUCTION OF THIS PROJECT.
3. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THAT THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION BEFORE EXCAVATION OR TRENCHING TO AVOID DAMAGE THERETO.
4. ANY PAVEMENT INDICATED TO BE REMOVED SHALL BE REMOVED COMPLETELY. THIS INCLUDES ANY AND ALL GRANULAR BASE ENCOUNTERED.
5. ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF ACCORDING TO ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
6. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS NOT TO DAMAGE ANY EXISTING SITE FEATURES TO REMAIN. IF ANY DAMAGE OCCURS, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY. THE CONTRACTOR SHALL REPAIR ALL DAMAGED ITEMS TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
7. CONTRACTOR SHALL SAWCUT PAVEMENT AT LOCATIONS SHOWN, OR REMOVE ENTIRELY TO NEAREST AVAILABLE JOINT.
8. ANY EXISTING UTILITIES SHOWN TO BE REMOVED OR ABANDONED SHALL BE DONE ACCORDING TO ALL APPLICABLE REGULATIONS OF EACH RESPECTIVE UTILITY COMPANY OR AUTHORITY.
9. ANY EXISTING BELOW GRADE DEBRIS OR OBSTACLES ENCOUNTERED SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR FURTHER DIRECTION.
10. USE OF EXPLOSIVES AND/OR BURNING ON SITE IS NOT PERMITTED.
11. CONTRACTOR SHALL CONTACT MISSOURI ONE-CALL SYSTEM (1-800-DIG-RITE) TO HAVE PUBLIC UTILITIES LOCATED PRIOR TO START OF OPERATIONS.
12. CONTRACTOR SHALL CLEAN AND REMOVE ALL DEBRIS FROM EXISTING STORM STRUCTURES AND DOWNSTREAM PIPING PRIOR TO INSTALLATION OF NEW SURFACES..



5220 Oakland Ave.  
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(314) 863-5570

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EGRESS STAIR

MISSOURI  
SCHOOL FOR THE BLIND  
3815 MAGNOLIA AVENUE  
SAINT LOUIS, MO 63110

PROJECT # E2332-01  
ASSET # 5012011017

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: SJA  
CHECKED BY: DL  
DESIGNED BY: SJA

SHEET TITLE:  
**SITE PLAN**

SHEET NUMBER:

**C-200**

**LEGEND:**

- ST — STORM PIPE
- RUBBER AND TURF PLAYGROUND SURFACE (SEE ARCH AND BASIS OF DESIGN DETAILS ON C-301)
- RUBBER PLAYGROUND SURFACE WITH NEW CONCRETE BASE UNDERNEATH (SEE ARCH AND BASIS OF DESIGN DETAILS ON C-301)

**KEYED NOTES:**

- 1 EGRESS STAIR (SEE ARCH)
- 2 NEW PLAYGROUND EQUIPMENT (SEE ARCH)
- 3 LANDSCAPE AREA TO REMAIN
- 4 INSTALL IRRIGATION TO NEW PLANTER BED (SEE IRRIGATION NOTE)
- 5 COLUMN (SEE ARCH)
- 6 COORDINATE DOWNSPOUT LOCATION WITH ARCH; PIPE DOWNSPOUT BELOW GRADE AS SHOWN (SEE DETAIL C3.00/A)
- 7 PRIVATE STORM PIPE (4" PVC @ 1% SLOPE) (FOLLOW CITY OF ST. LOUIS PLUMBING CODE)
- 8 EXISTING INLET TO BE USED IN PLACE. PRIOR TO INSTALLATION OF NEW SURFACE MATERIAL, WRAP NON-WOVEN GEOTEXTILE FILTER FABRIC OVER GRATE COVER AND SECURE TIGHTLY WITH WIRE.
- 9 CONNECT PRIVATE STORM TO EXISTING DRAIN
- 10 RELOCATE EXISTING UNDERGROUND ELECTRIC AND RECONNECT TO ELECTRIC BOX (PER AMEREN STANDARDS & ELECTRIC DRAWINGS)
- 11 MULCH LANDSCAPE AREA WITH STEEL EDGING. INSTALL STEEL EDGING PER MANUFACTURER SPECIFICATIONS (STEEL EDGING TO BE COLMET QUICKLOCK STEEL EDGING, 4" HEIGHT, STAINLESS STEEL, OR APPROVED EQUAL)
- 12 EXISTING PAVEMENT (USE IN PLACE)
- 13 REPLACE WATER SPIGOT WITH NEW IN SAME LOCATION AS EXISTING (SEE MEPFT)
- 14 RELOCATE EXISTING ELECTRIC BOX (PER AMEREN STANDARDS & ELECTRIC DRAWINGS)
- 15 ELECTRIC BOX TO REMAIN (PROTECT AS NECESSARY)
- 16 NEW CONCRETE DRAINAGE SLAB WITH POSITIVE DRAINAGE AWAY FROM BUILDING
- 17 NEW TREE AND TREE WELL WITHIN CONCRETE BENCH (SEE ARCH)
- 18 ADJUST TOP OF EXISTING INLET TO TOP OF SUB BASE (BELOW SBR LAYER). WRAP TOP OF GRATE WITH NON-WOVEN GEOTEXTILE FILTER FABRIC

**SITE NOTES (APPLY TO ALL CIVIL SHEETS):**

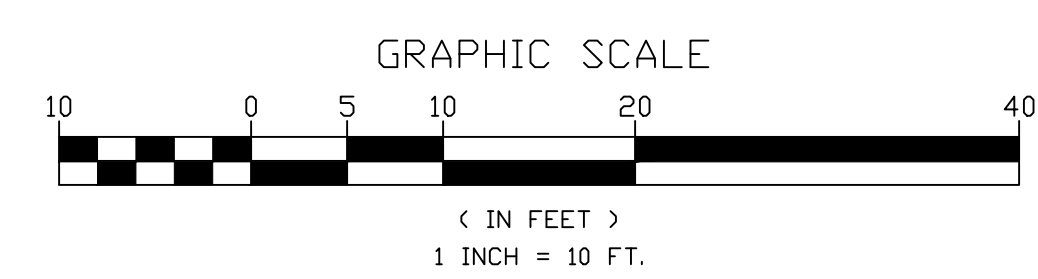
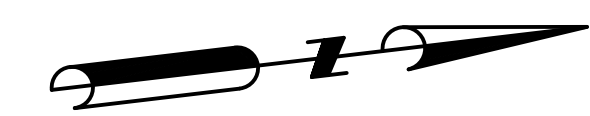
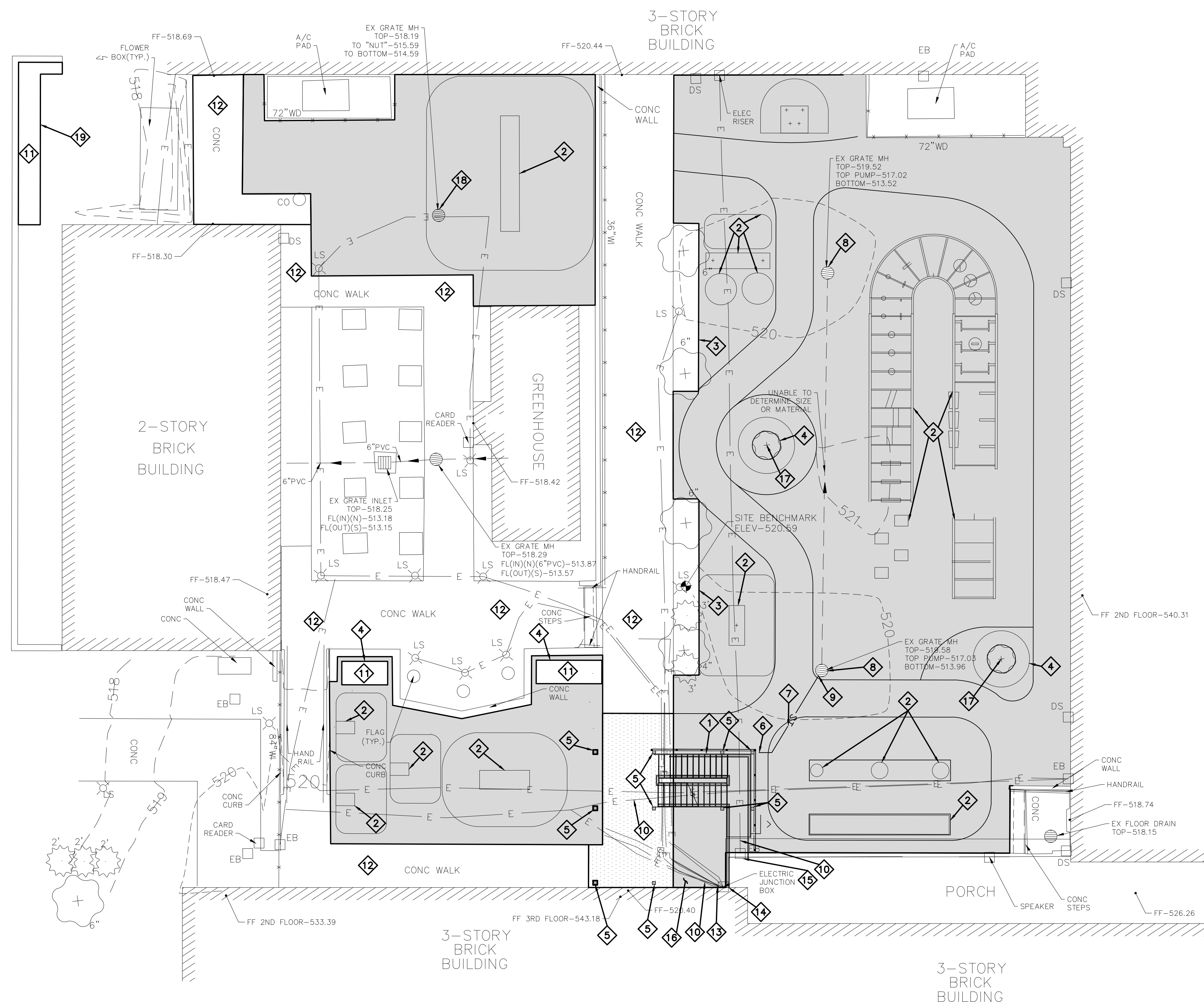
- ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH APPLICABLE OSHA REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NECESSARY INSPECTIONS WITH THE UTILITY COMPANIES/JURISDICTIONS INVOLVED WITH THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FEES ASSOCIATED WITH PERMITS, INSPECTIONS, AND ANY OTHER CONSTRUCTION RELATED ACTIVITIES.
- THE CONTRACTOR SHALL REDESIGN AND REINSTALL IRRIGATION.
- PROPOSED FINISH GRADES SHALL MATCH EXISTING FINISH GRADES, EXCEPT WHERE NOTED OTHERWISE.

**UTILITY NOTES (APPLY TO ALL CIVIL SHEETS):**

- UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THAT THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION BEFORE EXCAVATION OR TRENCHING TO AVOID DAMAGE THERETO.
- CONTRACTOR SHALL LOCATE EXISTING UNDERGROUND UTILITIES AND SEWERS IN AREAS OF WORK PRIOR TO STARTING OPERATIONS. WHEN UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF PROTECTION DURING OPERATIONS. SHOULD UNKNOWN UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONTRACTOR SHALL NOTIFY UTILITY OWNER AND OWNER'S REPRESENTATIVE IMMEDIATELY FOR FURTHER DIRECTION.
- ALL UTILITY CONNECTIONS SHALL BE COMPLETED TO THE APPROPRIATE STANDARDS OF EACH RESPECTIVE UTILITY COMPANY.
- ANY EXISTING SEWERS/UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND TO THE SATISFACTION OF THE SEWER/UTILITY OWNER AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL ADJUST SIZE OF TRENCH EXCAVATIONS AS REQUIRED ON A CASE BY CASE BASIS TO PROPERLY CONSTRUCT UTILITY SERVICES. CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING TRENCH EXCAVATIONS AS REQUIRED ACCORDING TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

**IRRIGATION NOTE:**

- PROVIDE IRRIGATION TO LANDSCAPE AREAS AS NOTED ON THIS PLAN. CONTRACTOR TO SUBMIT IRRIGATION DESIGN INCLUDING LAYOUT OF PIPING AND PROPOSED HEADS TO OWNER FOR REVIEW.



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PROJECT # E2332-01  
ASSET # 5012011017

REVISION: \_\_\_\_\_  
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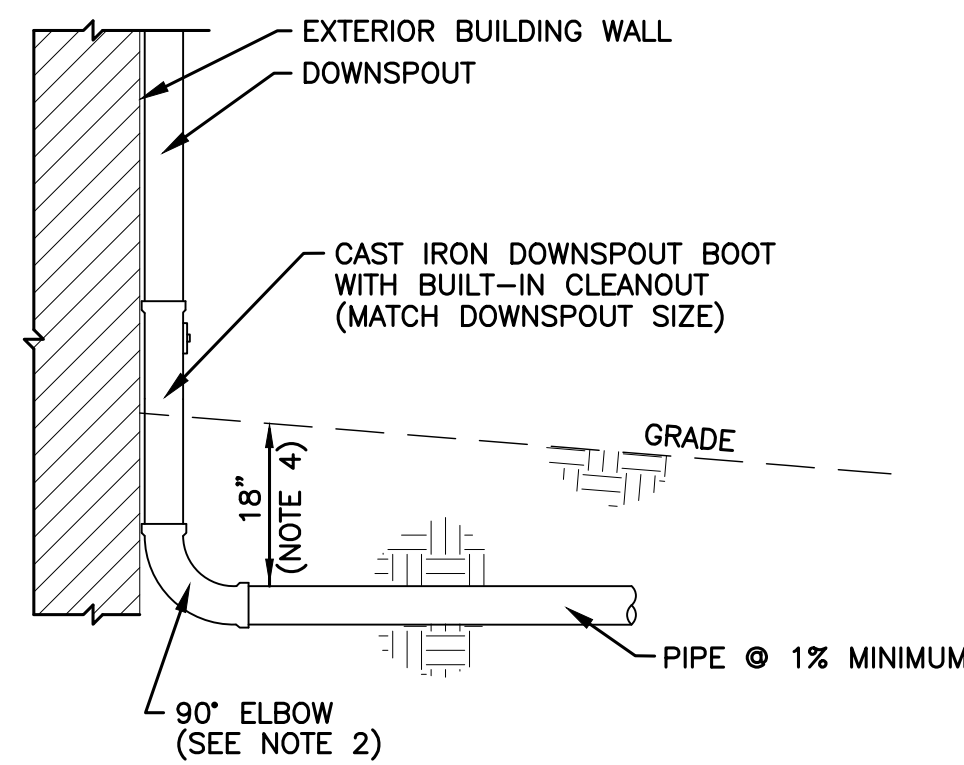
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CHECKED BY: DL  
DESIGNED BY: SJA

SHEET TITLE:  
**CIVIL DETAILS**

SHEET NUMBER:

**C-300**

Page 8 of 44 CONSTRUCTION  
12 FEB 2026 DOCUMENTS - BID

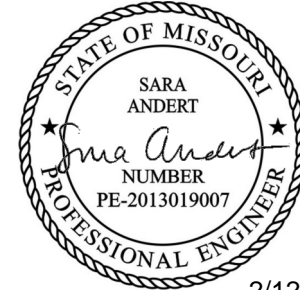


**NOTES:**

1. PIPE AND FITTINGS UNDER LAWNS/LANDSCAPING SHALL BE PVC:SDR-35. PIPE AND FITTINGS UNDER PAVEMENTS SHALL BE PVC:SDR-26.
2. IF 90° ELBOW CONFLICTS WITH BUILDING FOOTING, CONSTRUCT ELBOW AT TOP OF FOOTING AND SLOPE AT MAXIMUM GRADE TO 12" BELOW GRADE.
3. REMOVE/REPLACE/ADD DOWNSPOUT STRAPS AS NECESSARY TO SECURE PIPING TO BUILDING.
4. USE MAXIMUM COVER WHERE SITE CONDITIONS WILL ALLOW POSITIVE DRAINAGE.

**A** PIPED DOWNSPOUT  
NOT TO SCALE





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DATE: \_\_\_\_\_  
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DESIGNED BY: SJA

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12 FEB 2026 DOCUMENTS - BID

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NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
2. DO NOT SCALE DRAWING.  
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.  
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.  
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 5221-083.

**TOTTURF SYNTHETIC GRASS**  
SYNTHETIC TURF TO POURED-IN-PLACE OVERLAP WITH SBR RUBBER ATTENUATION

5221-083 REVISION DATE 09/09/2024  
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5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 5221-080.

**TOTTURF SYNTHETIC GRASS**  
SYNTHETIC TURF WITH BORDER AND SBR RUBBER ATTENUATION (WITH OR WITHOUT NAIL BOARD)

5221-080 REVISION DATE 04/09/2024  
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**NOTE:**  
THESE PLAY SURFACE DETAILS ILLUSTRATE THE BASE OF DESIGN FOR THE PLAYGROUND SURFACE. SEE ARCH FOR ADDITIONAL INFORMATION. DEPTH OF SBR AND SUB-GRADE BASES SHALL BE DETERMINED BASE ON PLAYGROUND EQUIPMENT REQUIREMENTS.  
  
EXISTING DRAINS WILL BE USED IN PLACE FOR THE PLAY SURFACE AREAS. THERE ARE NO NEW DRAINS IN THE SCOPE OF WORK.

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NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
2. DO NOT SCALE DRAWING.  
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.  
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.  
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 5221-082.

**TOTTURF SYNTHETIC GRASS**  
SYNTHETIC TURF WITH BORDER, NAIL BOARD AND NO ATTENUATION OVER AGGREGATE BASE

5221-082 REVISION DATE 04/09/2024  
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PHONE: (800) 858-0519  
FAX: (602) 340-0402  
www.totturf.com

NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
2. DO NOT SCALE DRAWING.  
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.  
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.  
5. ADDITIONAL INFORMATION (MAY NOT BE VISIBLE) AVAILABLE IN MODEL SPACE.  
6. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 5221-005.

**ROBERTSON RECREATIONAL SURFACES**  
PIP FLUSH MOUNT TO WALL, CURB, OR SIDEWALK WITH ATTENUATION

5221-005 REVISION DATE 08/12/2020  
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# STRUCTURAL GENERAL NOTES

## DIVISION 1 - GENERAL REQUIREMENTS

1. CONSTRUCTION MEANS AND METHODS
  - A. CONTRACTOR AND SUBS SHALL NOT SCALE DRAWINGS FOR PURPOSES OF CONSTRUCTION. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES FOUND BETWEEN DISCIPLINES
  - B. CONTRACTOR AGREES THAT CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE WORK, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD OWNER AND STRUCTURAL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF OWNER OR STRUCTURAL ENGINEER.
  - C. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INCLUDE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO: PROTECTION OF SUBGRADE FROM FREEZING CONDITIONS, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK. OBSERVATION VISITS TO THE SITE BY STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
  - D. KPFF CONSULTING ENGINEERS SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH ANY CONSTRUCTION ACTIVITIES, SINCE THESE ARE SOLELY CONTRACTOR'S RESPONSIBILITY UNDER THE CONTRACT.
  - E. KPFF CONSULTING ENGINEERS SHALL NOT BE RESPONSIBLE FOR CONTRACTOR'S SCHEDULE OR FAILURES TO CARRY OUT ANY CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. KPFF CONSULTING ENGINEERS SHALL NOT HAVE CONTROL OVER OR CHARGE OF ACTIONS OF CONTRACTOR, SUBCONTRACTOR, OR ANY OF THEIR AGENTS, OR EMPLOYEES, OR ANY OTHER PERSONS PERFORMING PORTIONS OF ANY CONSTRUCTION ACTIVITIES.
  - F. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS WHICH MAY BE REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DETERMINED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.

2. SUBMITTALS PREPARED BY SUBCONTRACTORS SHALL BE REVIEWED BY CONTRACTOR PRIOR TO SUBMITTING TO ARCHITECT
  - A. REPRODUCTION OF STRUCTURAL DRAWINGS SHALL BE IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE.
  - B. CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED EQUIPMENT WEIGHTS, OPENING SIZES, AND LOCATIONS INDICATED ON THE STRUCTURAL DRAWINGS WITH DOCUMENTS FROM OTHER DISCIPLINES AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
  - C. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING SIZE, METHOD OF ANCHORING, WEIGHT, OPENINGS, AND LOCATIONS OF EQUIPMENT NOT INDICATED ON THE STRUCTURAL DRAWINGS PRIOR TO ORDERING FOR REVIEW BY STRUCTURAL ENGINEER TO DETERMINE ADEQUACY OF THE STRUCTURE.
  - D. ALL SUBMITTALS REVIEWED BY STRUCTURAL ENGINEER ARE REVIEWED FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY AND DOES NOT RELIEVE THE FABRICATOR OF RESPONSIBILITY FOR CONFORMANCE WITH DESIGN DRAWINGS AND SPECIFICATIONS, ALL OF WHICH HAVE PRIORITY OVER SUBMITTALS.
  - E. SUBMITTALS SHALL BE REVIEWED WITHIN 10 WORKING DAYS AFTER BEING RECEIVED BY STRUCTURAL ENGINEER.

3. QUALITY REQUIREMENTS
  - A. REFERENCE TO STANDARD SPECIFICATIONS OR CODES OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE STANDARDS IN EFFECT AS OF DATE OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED.
  - B. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH STANDARD SPECIFICATIONS OR CODES OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION.
  - C. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION OR CODE, WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS, SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO STRUCTURAL ENGINEER OR ANY OF STRUCTURAL ENGINEER'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
  - D. ALL OMISSIONS AND CONFLICTS WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
  - E. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS AT THE JOB SITE. ANY DISCREPANCIES BETWEEN THE CONDITIONS FOUND AND THOSE INDICATED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
  - F. SEE DOCUMENTS BY OTHER DISCIPLINES FOR FLOOR, WALL, AND ROOF OPENINGS, TRENCHES, PITS, PIPE SLEEVES, EQUIPMENT PAD, METAL PAN STAIRS, MISCELLANEOUS IRON, ETC.
  - G. NO PIPES, CONDUITS, SLEEVES, DUCTS, CHASES, ETC. SHALL BE PLACED WITHIN STRUCTURAL WALLS, BEAMS, SLABS OR COLUMNS NOR SHALL ANY STRUCTURAL MEMBERS BE CUT FOR PIPES, DUCTS, ETC., UNLESS SPECIFICALLY NOTED. NOTIFY STRUCTURAL ENGINEER WHEN DOCUMENTS BY OTHER DISCIPLINES SHOW OPENINGS, POCKETS, CONDUITS, PIPES, SLEEVES, ETC. NOT INDICATED IN THE STRUCTURAL DRAWINGS, BUT ARE LOCATED IN STRUCTURAL MEMBERS. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM STRUCTURAL ENGINEER FOR INSTALLATION OF SUCH PIPES, DUCTS, CHASES, ETC.
  - H. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE LOCATIONS SPECIFICALLY INDICATED. WHERE A DETAIL IS NOT INDICATED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR CONDITIONS.
  - I. THE DESIGN RESPONSIBILITY OF THE ELEMENTS LISTED BELOW IS BEING DELEGATED TO A SPECIALTY STRUCTURAL ENGINEER HIRED BY THE CONTRACTOR. THE DESIGNATED ELEMENTS SHALL BE DESIGNED IN ACCORDANCE WITH THE GOVERNING BUILDING CODE, LOCAL AMENDMENTS, AND SPECIFIC REQUIREMENTS IN THE CONTRACT DOCUMENTS BY AN ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. SUBMITTALS SHALL BE SEALED BY THE RESPONSIBLE LICENSED ENGINEER. THE FOLLOWING ELEMENTS AND THEIR CONNECTIONS TO PRIMARY STRUCTURE SHALL BE DESIGNED BY A SPECIALTY STRUCTURAL ENGINEER:
    1. EXCAVATION SUPPORT
    2. TEMPORARY BRACING AND SHORING
    3. UNDERPINNING OF EXISTING CONSTRUCTION, IF REQUIRED
    4. SUPPORT AND SEISMIC BRACING OF MECHANICAL, ELECTRICAL PLUMBING, AND FIRE PROTECTION (M/E/P/F/P) SYSTEMS COMPONENTS
      - a. DO NOT SUPPORT SYSTEMS FROM STEEL ROOF DECK
      - b. POWDER ACTUATED FASTENERS INSTALLED IN CONCRETE SHALL NOT BE USED TO RESIST SEISMIC LOADS
    5. STAIRS, HANDRAILS AND GUARDRAILS
    6. PRE-ENGINEERED CANOPIES AND THEIR CONNECTIONS TO SUPPORTING STRUCTURE
    7. LADDERS
    8. PANELIZED SYSTEMS
    9. ROOF SAFETY TIE-OFF SYSTEMS AND THEIR ATTACHMENT TO STRUCTURE
    10. WINDOW SYSTEMS AND THEIR ATTACHMENT TO STRUCTURE

4. STRUCTURAL SPECIAL INSPECTIONS
  - A. SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE GOVERNING BUILDING CODE AND THE STATEMENT OF SPECIAL INSPECTIONS ON SHEET S101.

5. DESIGN CRITERIA:
  - A. THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE IBC INTERNATIONAL BUILDING CODE, 2018 EDITION.
    1. BUILDING RISK CATEGORY III
  - B. NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.
  - C. GRAVITY LOADS:
    1. UNIFORM ROOF LIVE LOADS:
      - a. LIVE LOAD: 20 PSF
      - b. SNOW LOAD:
        1. GROUND SNOW LOAD: 20 PSF
        2. FLAT ROOF SNOW LOAD: 16 PSF, MIN
        3. SNOW EXPOSURE FACTOR: 1.0
        4. SNOW IMPORTANCE FACTOR: 1.1
        5. SNOW THERMAL FACTOR: 1.0

3. PHOTOVOLTAIC LOAD: 5 PSF
4. RAIN INTENSITY: 3.13 IN/HR
5. UNIFORM FLOOR LIVE LOADS
 

|       |         |
|-------|---------|
| PATIO | 100 PSF |
| RAIL  | 210 PSF |
6. CONCENTRATED FLOOR LIVE LOADS
  - a. LOADS ARE DISTRIBUTED OVER AN AREA OF 2-1/2 SQ. FT., UNLESS NOTED OTHERWISE.
 

|        |                         |
|--------|-------------------------|
| STAIRS | 300 LB (OVER 4 SQ. IN.) |
|--------|-------------------------|
7. CONCENTRATED LATERAL LIVE LOADS
  - a. HANDRAIL ASSEMBLIES:
    1. TOP RAIL: 200 LB. OR 50 LB/FT APPLIED NON-CONCURRENTLY IN ANY DIRECTION.
    2. INTERMEDIATE RAILS, BALLUSTERS, FILLER PANELS, ETC.: 50 PSF APPLIED NON-CONCURRENTLY WITH THE TOP RAIL LOAD.

|        | EFFECTIVE WIND AREA |            |            |
|--------|---------------------|------------|------------|
|        | 10 SF               | 100 SF     | 500 SF     |
| ZONE 1 | -40.6+16.0          | -31.7+16.0 | -25.5+16.0 |
| ZONE 2 | -53.6+16.0          | -42.1+16.0 | -34.1+16.0 |
| ZONE 3 | -73.0+16.0          | -50.1+16.0 | -34.1+16.0 |
| ZONE 4 | -25.3+23.3          | -21.8+19.9 | -19.4+17.5 |
| ZONE 5 | -31.1+23.3          | -24.2+19.9 | -19.4+17.5 |

2. EARTHQUAKE DESIGN DATA
  - a. SEISMIC IMPORTANCE FACTOR: 1.25
  - b. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:  $S_{ps}=0.451$ ,  $S_{p0}=0.160$
  - c. SITE CLASSIFICATION: C
  - d. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:  $S_{Dp}=0.391$ ,  $S_{D1}=0.160$
  - e. SEISMIC DESIGN CATEGORY: C
  - f. BASIC SEISMIC FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
  - g. DESIGN BASE SHEAR:  $V_p=5.1$  KIP
  - h. SEISMIC RESPONSE COEFFICIENT:  $C_p=0.163$
  - i. RESPONSE MODIFICATION FACTOR, R: 3.0
  - j. DEFLECTION AMPLIFICATION FACTOR,  $C_{di}$ : 3.0
  - k. OVERSTRENGTH FACTOR,  $O_3$ : 3.0
  - l. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

1. STAIRS
  - A. UNLESS SHOWN ON THE STRUCTURAL DRAWINGS, ALL STAIRS, INTERMEDIATE LANDINGS, RAILINGS, AND CONNECTIONS BACK TO THE PRIMARY STRUCTURE SHALL BE DESIGNED BY THE CONTRACTOR'S DELEGATED SPECIALTY STRUCTURAL ENGINEER.
  - B. STAIRS AND RAILINGS CONNECT DIRECTLY TO THE PRIMARY STEEL BEAMS. ALL CONNECTIONS SHALL ONLY APPLY CONCENTRIC VERTICAL LOADS TO THE STEEL BEAMS. THE CONTRACTOR'S DELEGATED SPECIALTY STRUCTURAL ENGINEER SHALL DESIGN ANY BRACES, KICKERS, OR MISCELLANEOUS METAL NECESSARY TO RESOLVE ANY ECCENTRIC, TORSIONAL, OR HORIZONTAL LOADS APPLIED TO THE BEAMS.
2. M/E/P/F/P AND SYSTEM SUPPORTS
  - A. UNLESS SHOWN ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR'S DELEGATED SPECIALTY STRUCTURAL ENGINEER SHALL DESIGN ALL VERTICAL AND LATERAL SUPPORTS FOR M/E/P/F/P AND MISCELLANEOUS SYSTEMS.
  - B. CONNECTIONS TO THE PRIMARY STRUCTURE SHALL BE TO THE STEEL BEAMS OR COMPOSITE SLAB. CONNECTIONS TO THE STEEL BEAMS SHALL ONLY APPLY CONCENTRIC VERTICAL LOADS TO THE BEAMS. THE CONTRACTOR SHALL SUPPLY ADDITIONAL MISCELLANEOUS METALS AS NECESSARY TO RESOLVE ANY ECCENTRIC, TORSIONAL, OR HORIZONTAL LOADS APPLIED TO THE BEAMS.
    1. CONNECTIONS TO STEEL BEAMS SHALL NOT IMPART ADVERSE LOCAL STRESSES WITHIN THE FLANGES OR WEBS OF THE BEAMS.
    2. CONNECTIONS SHALL NOT BE MADE TO STEEL ROOF DECK.
3. EXISTING STRUCTURE
  - A. SIZES AND LOCATIONS OF EXISTING STRUCTURE HAVE BEEN PROVIDED FOR REFERENCE ONLY. ALL EXISTING SIZES AND LOCATIONS ARE TAKEN FROM THE EXISTING DESIGN DRAWINGS THAT WERE PROVIDED TO THE DESIGN TEAM AND DO NOT REPRESENT AS-BUILT CONDITIONS.
  - B. THE CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS OF THE EXISTING STRUCTURE PRIOR TO STARTING FABRICATION.
  - C. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE DESIGN TEAM OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
  - D. THE EXISTING STRUCTURE MAY REQUIRE TEMPORARY SHORING AND BRACING WHILE PERFORMING MODIFICATIONS ON THE EXISTING STRUCTURE.
    1. THE CONTRACTOR SHALL HIRE AN ENGINEER TO INVESTIGATE WHERE ANY TEMPORARY SHORING/BRACING IS REQUIRED AND TO DESIGN THIS SHORING/BRACING.
    2. THE ENGINEER SHALL BE LICENSED TO PERFORM THE WORK IN THE JURISDICTION WHERE THE WORK IS TO BE PERFORMED.

- DIVISION 2 - FOUNDATIONS
  1. GENERAL
    - A. FOUNDATION DESIGN IS BASED UPON RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY SCI ENGINEERING, INC. DATED AUGUST 20, 2019 AND PRESUMPTIVE ALLOWABLE BEARING PRESSURE PER IBC CHAPTER 18. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD THAT ARE DIFFERENT FROM THOSE ASSUMED IN DESIGN. OWNER'S GEOTECHNICAL REPRESENTATIVE SHALL CERTIFY THE BEARING MEDIUM.
    - B. EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL AND STANDING WATER.
    - C. BOTTOM OF EXTERIOR FOUNDATIONS SHALL BE A MINIMUM OF 30 INCHES BELOW THE LOWEST FINISHED ELEVATION FOR FROST PROTECTION.
  2. FOOTINGS
    - A. ALL FOOTINGS SHALL BEAR ON AND BE FORMED BY CLEAN, UNDISTURBED, VIRGIN, SUB-SOIL OR COMPACTED ENGINEERED FILL WITH AN ALLOWABLE BEARING PRESSURE OF 2000 PSF.
      1. NO FOOTING SHALL BEAR ON ROCK. UNDERCUT ROCK A MINIMUM OF 2 FEET BELOW THE BOTTOM OF FOOTING AND REPLACE WITH COMPACTED ENGINEERED FILL.
  3. UNDERPINNING
    - A. UNDERPIN EXISTING FOUNDATION WALL IN SEQUENCE INDICATED IN THE STRUCTURAL DRAWINGS AND DRY PACK WITH NON-METALLIC, NON-SHRINK GROUT.
    - B. EXISTING CONSTRUCTION SHALL BE BRACED UNTIL UNDERPINNING IS COMPLETE.

- DIVISION 3 - CONCRETE
  1. REINFORCING
    - A. GENERAL
      1. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, DEFORMED BARS, UNLESS NOTED OTHERWISE. WELDING OF ASTM A615, GRADE 60 REINFORCING IS NOT ALLOWED.
      2. REINFORCING STEEL TO BE WELDED SHALL BE ASTM A706, DEFORMED BARS.
      3. EPOXY-COATED REINFORCING STEEL SHALL BE ASTM A775.
      4. WELDED WIRE REINFORCING SHALL BE ASTM A1064, CONTACT LAP SPLICED 12 INCHES MINIMUM.
      5. ALL REINFORCING BARS SHALL BE DETAIL FABRICATED, SUPPLIED, AND PLACED IN ACCORDANCE WITH ACI 301 AND ACI 308S "MANUAL OF STANDARD PRACTICE", UNLESS NOTED OTHERWISE.
      6. REINFORCING, INCLUDING DOWELS, SHALL BE SECURELY TIED AND CAST WITH THE LOWER MEMBER. PLACING REINFORCING AFTER CONCRETE HAS BEEN PLACED IS NOT PERMITTED.
      7. FIELD BENDINGS OF REINFORCING PARTIALLY EMBEDDED IN CONCRETE IS NOT ALLOWED UNLESS SPECIFICALLY NOTED IN THE STRUCTURAL DOCUMENTS OR APPROVED BY STRUCTURAL ENGINEER.
      8. PROVIDE DOWELS FROM FOUNDATION THE SAME GRADE, SIZE, AND NUMBER AS VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
      9. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING AT CORNERS AND INTERSECTIONS.
      10. ADHESIVE FOR REINFORCING DOWELS INTO EXISTING CONCRETE SHALL BE HILTI HIT-HY 200 V3 SYSTEM (ICC-ESR 4868). MINIMUM EMBEDMENT LENGTH SHALL BE 12 BAR DIAMETERS UNLESS NOTED OTHERWISE. ALTERNATE WILL BE ACCEPTED ONLY IF A SIGNED AND SEALED ENGINEERING ANALYSIS IS PROVIDED FOR THE ALTERNATE. REINFORCING STEEL USED WITH THE ADHESIVE SYSTEM SHALL CONFORM TO ASTM A615, UNLESS NOTED OTHERWISE. ALL REINFORCING SHALL BE CLEAN, OIL FREE, AND CLEAN OF ALL LOOSE MATERIALS. SEE POST INSTALLED ANCHOR NOTES BELOW FOR ADDITIONAL CONCRETE REQUIREMENTS.
      11. MECHANICAL COUPLERS SHALL BE UNI-AXIAL TYPE CAPABLE OF DEVELOPING 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR IN TENSION. SPLICES MADE USING MECHANICAL COUPLERS SHALL BE STAGGERED BY TWICE THE LENGTH OF THE COUPLER.
      12. ALL REINFORCING SHALL BE CONTACT LAP SPLICED OR DOWELED AS FOLLOWS:
 

|         |     |          |      |
|---------|-----|----------|------|
| #3 BARS | 25" | #7 BARS  | 71"  |
| #4 BARS | 33" | #8 BARS  | 81"  |
| #5 BARS | 41" | #9 BARS  | 91"  |
| #6 BARS | 49" | #10 BARS | 102" |

2. CAST-IN-PLACE CONCRETE
  - A. REINFORCED CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4500 PSI.
  - B. ALL CONCRETE TO HAVE THE FOLLOWING UNIT WEIGHTS (+/- 3 PCF):
    1. NORMAL WEIGHT CONCRETE: PLASTIC = 145 PCF
    2. CONCRETE EXPOSED TO FREEZING AND THAWING AND DEICER CHEMICALS SHALL HAVE 6% (+1%/-1.5%) AIR ENTRAINMENT. DO NOT AIR ENTRAIN CONCRETE TO BE TROWEL FINISHED.
  - C. PROVIDE CONCRETE COVER FOR REINFORCING AS FOLLOWS:
 

|   |        |
|---|--------|
| 1. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH     | 3"     |
| 2. CONCRETE EXPOSED TO EARTH OR WEATHER                       | 2"     |
| 3. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: |        |
| a. SLABS AND WALLS  | 3/4"   |
| b. BEAMS AND COLUMNS  | 1-1/2" |
  - D. AT FLOOR DRAINS, LOCALLY SLOPE FLOOR TOWARDS DRAIN. SEE DOCUMENTS FROM OTHER DISCIPLINES FOR DRAIN LOCATIONS.
  - E. UNLESS NOTED OTHERWISE, STRUCTURAL SLABS EXPOSED TO WEATHER SHALL BE SLOPED APPROXIMATELY 1/4 INCH PER FOOT AWAY FROM OCCUPIED SPACE TOWARD FLOOR DRAINS, SCUPPERS, GUTTERS, ETC. FOR EXTERIOR NON-STRUCTURAL FLATWORK (E.G., SIDEWALKS, PAVEMENT) REFERENCE CIVIL DOCUMENTS.
  - F. SEE ARCHITECTURAL DOCUMENTS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS, ETC. REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.

## DIVISION 5 - METALS

1. STRUCTURAL STEEL
  - A. GENERAL
    1. STRUCTURAL STEEL FABRICATION AND ERECTION SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE FOLLOWING:
      - a. AISC 360 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
      - b. AISC 303 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES
      - c. SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS
    2. ALL STEEL PERMANENTLY EXPOSED TO VIEW SHALL BE DESIGNATED AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL LEVEL 2.
    3. ALL EXPOSED EXTERIOR STEEL SHALL BE PAINTED PER SPECIFICATIONS.
    4. MATERIALS SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE:
      - a. W/S, W/Ts, C/S, & M/Cs
 

|  |
|--|
| ASTM A992  |
| ASTM A572, GRADE 50  |
| ASTM A500, GRADE C   |
| ASTM F3125, GRADE A325 HEAVY HEX HEAD OR GRADE F1862 TWIST OFF, 3/4" DIA. (MIN.) |
| ASTM F1554, GRADE 36 WITH A36 WASHERS AND HEAVY HEX NUTS                         |
| ASTM A36   |
| AWS D1.1, TYPE B   |
| MATCHING STRENGTH, 70 KSI MIN.   |
  - B. POST-INSTALLED ANCHORS TO CONCRETE AND MASONRY
    1. POST INSTALLED ANCHORS SHALL BE EXPANSION, ADHESIVE, OR SCREW ANCHORS AS INDICATED IN DETAILS, UNLESS NOTED OTHERWISE. ONLY USE EXPANSION ANCHORS WHERE INDICATED. ONLY USE ADHESIVE ANCHORS WHERE INDICATED AND ONLY USE SCREW ANCHORS WHERE INDICATED. EXPANSION ANCHORS (DO NOT USE MULTIPLE MANUFACTURERS ON THE PROJECT, SEE NOTES BELOW FOR SUBSTITUTIONS), UNO:
      - a. FOR CONCRETE: HILTI KWIK BOLT T2Z (ICC-ES ESR 4266).
      - b. FOR GROUT FILLED CONCRETE MASONRY: HILTI KWIK BOLT 3 (ICC-ES ESR1385).
    2. ADHESIVE ANCHORS (DO NOT USE MULTIPLE MANUFACTURERS ON THE PROJECT, SEE NOTES BELOW FOR SUBSTITUTIONS), UNO:
      - a. FOR CONCRETE: HILTI HIT-RE 500 V3 SAFE SET SYSTEM ADHESIVE ANCHOR SYSTEM (ICC-ES ESR3814) WITH HAS GRADE 55 CARBON STEEL THREADED ROD OR HILTI HIT-HY 200 V3 SAFE SET SYSTEM (ICC-ES ESR 4868) ANCHOR ADHESIVE WITH HAS GRADE 55 CARBON STEEL THREADED ROD.
      - b. SOLID GROUTED CONCRETE MASONRY: HILTI HIT-HY 270 SAFE SET SYSTEM (ICC-ES ESR4143) ANCHOR ADHESIVE WITH HAS GRADE 55 THREADED RODS.
      - c. HOLLOW MASONRY: HILTI HIT-HY 270 SAFE SET SYSTEM (ICC-ES ESR4143) ANCHOR ADHESIVE WITH HAS GRADE 55 THREADED RODS WITH SCREEN TUBES WHEN ANCHORING INTO HOLLOW MASONRY.
      - d. MULTI-WYTHE MASONRY: HILTI HIT-HY 270 SAFE SET SYSTEM (ICC-ES ESR4144) ANCHOR ADHESIVE WITH HAS GRADE 55 THREADED RODS WITH SCREEN TUBES WHEN ANCHORING INTO MULTI-WYTHE MASONRY.
    3. SCREW ANCHORS (DO NOT USE MULTIPLE MANUFACTURERS ON THE PROJECT, SEE NOTES BELOW FOR SUBSTITUTIONS), UNO:
      - a. FOR CONCRETE: HILTI KWIK HUS EZ SCREW ANCHOR SAFE SET SYSTEM (ICC-ES ESR3027)
  - C. WHEN INSTALLING POST INSTALLED ANCHORS:
    - a. THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) SHALL BE FOLLOWED.
    - b. DO NOT CUT EXISTING REINFORCING.
    - c. WHEN INSTALLING IN CONCRETE:
      1. THE MINIMUM CONCRETE DESIGN COMPRESSIVE STRENGTH SHALL MATCH THE ABOVE NOTED COMPRESSIVE STRENGTHS IN THE CONCRETE NOTES SECTION.
      2. FOR POST INSTALLED ADHESIVE ANCHORS, THE CONCRETE SHALL HAVE A MINIMUM AGE OF 21 DAYS AT THE TIME OF INSTALLATION.
      3. FOR POST INSTALLED ADHESIVE ANCHORS, THE CONCRETE TEMPERATURE AT THE TIME OF INSTALLATION SHALL BE AT LEAST 50-DEGREES FAHRENHEIT.
    - d. ADHESIVE USED IN AN ADHESIVE ANCHOR SYSTEM SHALL BE STORED AT THE SERVICE TEMPERATURE RANGE RECOMMENDED BY THE MANUFACTURER.
    - e. ANCHORS TO BE INSTALLED IN ADHESIVE SHALL BE CLEAN, OIL FREE AND FREE OF RUST, PAINT OR OTHER COATINGS.
    - f. ADHESIVE ANCHORS SHALL BE SECURELY PLACED TO PREVENT DISPLACEMENT OR DISTURBANCE WHILE THE ADHESIVE CURES. IF AN ANCHOR IS DISPLACED OR DISTURBED BEFORE A FULL ADHESIVE CURE IT SHALL BE CONSIDERED DAMAGED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
    - g. UNLESS NOTED OTHERWISE, ANCHORS SHALL BE INSTALLED PERPENDICULAR TO THE SUPPORTING SURFACE WITH A MAXIMUM 6-DEGREE TOLERANCE AS SPECIFIED IN THE ICC-ESR UNLESS NOTED OTHERWISE.
    - h. INSTALL ANCHORS TO ACCOMMODATE THE STANDARD HOLE SIZE IN THE SUPPORTED STEEL MEMBER PER AISC 360 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS. USE PLATE WASHERS WITH A STANDARD SIZE HOLE WELDED TO STEEL MEMBERS WHERE OVERSIZED HOLES MUST BE USED THROUGH THE STEEL MEMBER.
    - i. HOLES SHALL BE DRILLED AND INSTALLED PER THE MPII AS OUTLINED IN THE ESR, WHERE APPLICABLE. INSTALLATION SHALL ALSO FOLLOW PROPER CLEANING PROCEDURE AS INDICATED IN THE MPII AS OUTLINED IN THE ESR. HOLES SHALL BE DRILLED WITH A ROTARY IMPACT HAMMER DRILL OR ROCK DRILL, DO NOT CORE DRILL HOLES.

6. ALL PERSONNEL INSTALLING ANCHORS SHALL BE TRAINED AND CERTIFIED BY THE ANCHORING SYSTEM MANUFACTURER. CONTRACTOR SHALL SUBMIT CERTIFICATION FROM THE MANUFACTURER ON ALL PERSONNEL. CERTIFICATION BY MANUFACTURER IS VALID FOR ONE YEAR. ALL PERSONNEL INSTALLING ADHESIVE ANCHORS IN A HORIZONTAL OR OVERHEAD CONDITION SHALL BE TRAINED AND CERTIFIED BY THE ACICRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM FOR SUCH APPLICATIONS. NOTE SOME ANCHORS INSTALLED IN POSITIONS OTHER THAN HORIZONTAL OR OVERHEAD HAVE SUSTAINED LOADS. THESE ANCHORS WILL BE NOTED WITH A (CERT) CALL OUT AFTER THE ANCHOR NOTE. THESE ANCHORS SHALL ALSO BE INSTALLED BY A TRAINED AND CERTIFIED INSTALLER. CONTRACTOR SHALL SUBMIT CERTIFICATION FROM ACICRSI ON ALL PERSONNEL. IF FAILURES OCCUR AT ANY TIME DURING TESTING OR CONSTRUCTION, THEN PERSONNEL SHALL BE RETRAINED AND RECERTIFIED.
7. POST INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER PRIOR TO USING POST INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST IN PLACE ANCHORS.
8. SPECIAL INSPECTION SHALL BE PROVIDED FOR ALL POST INSTALLED ANCHORS AS REQUIRED BY THE BUILDING CODE AND/OR ICC-ESR. WRITTEN SPECIAL INSPECTION REPORTS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE BY THE SPECIAL INSPECTOR. THE REPORTS SHALL RECORD AND REPORT THE FOLLOWING AS A MINIMUM:
  - a. PRIOR TO AND DURING INSTALLATION OF ANCHORS, INSPECTION AND REPORT SHALL INCLUDE:
    1. INSTALLER SHALL HAVE REVIEWED THE MPI AND ESR AND HAD BEEN CERTIFIED AS NOTED ABOVE.
    2. ALL OVERHEAD, HORIZONTAL AND NOTED (CERT) ADHESIVE ANCHORS SHALL BE CONTINUOUSLY INSPECTED DURING THE INSTALLATION BY AN INSPECTOR SPECIALLY TRAINED AND APPROVED FOR THIS PURPOSE.
    3. GENERAL CONCRETE OR CMU BLOCK CONDITIONS (I.E., CRACKED OR UNCRACKED, WET OR DRY, FINISHED STATE).
    4. HOLE CONDITION AND PREPARATION PRIOR TO INSTALLATION OF ANCHOR. INDICATE IF MANUFACTURER'S WRITTEN PROCEDURES FOR PREPARATION OF HOLE WERE FOLLOWED.
    5. INSTALLATION OF ANCHOR FOLLOWED MANUFACTURER'S WRITTEN PROCEDURES.
    6. EMBEDMENT DEPTH AND CONCRETE OR BLOCK THICKNESS.
    7. ANCHOR SIZE AND TYPE.
  - b. AFTER INSTALLING ANCHORS, INSPECTION AND REPORTS SHALL INCLUDE THE FOLLOWING. REPORTS SHALL BE SUBMITTED TO THE LICENSED DESIGN PROFESSIONAL TO ENSURE TESTING IS FULFILLED.
    1. PERFORM INDEPENDENT ON-SITE PROOF LOAD TESTING AS FOLLOWS:
      - a. NOTE ALL TEST LOCATIONS.
      - b. NOTE ANCHOR SIZE AND ANCHOR TYPE.
      - c. MINIMUM OF TEN (10) PERCENT OF EACH TYPE AND SIZE OF ANCHOR SYSTEM INSTALLED SHALL BE DIRECT TENSION TESTED (ADHESIVE AND SCREW ANCHORS SHALL NOT BE TESTED USING A TORQUE WRENCH) BY AN INDEPENDENT TESTING AGENCY. TENSION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM E488.
      - d. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE INSTALLED BY THE SAME TRADE AND NOT PREVIOUSLY TESTED UNTIL (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY. AT THE CONTRACTOR'S EXPENSE, FAILED ANCHORS SHALL BE REMOVED AND THE AFFECTED AREA PATCHED AND A NEW ANCHOR SHALL BE INSTALLED TO REPLACE THE FAILED ANCHOR. NEW ANCHOR LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
      - e. INDICATE IN REPORT, APPLIED LOAD, LOADING PROCEDURE, LOAD INCREMENTS AND RATE OF LOADING. TEST ANCHOR TO TWICE THE ALLOWABLE TENSION LOAD AS PROVIDED IN THE ESR. TENSION TEST LOADS NEED NOT EXCEED 80 PERCENT OF THE NOMINAL YIELD STRENGTH OF THE ANCHOR ELEMENT (0.8 X ASE X F<sub>Y</sub>A). LOADING SHALL ONLY OCCUR AFTER THE MINIMUM CURE TIME SPECIFIED IN THE MPII.
      - f. MODE OF FAILURE IF APPLICABLE. ANCHORS SHALL HAVE NO VISIBLE INDICATIONS OF DISPLACEMENT OR DAMAGE DURING OR AFTER THE PROOF LOAD APPLICATION, CRACKING OF THE SUPPORTING MATERIAL IN THE VICINITY OF THE ANCHOR AFTER THE LOADING SHALL BE CONSIDERED A FAILURE.
      - g. PHOTOGRAPHS OR DIGITAL PHOTOS OF TEST EQUIPMENT AND TYPICAL FAILURES.

9. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED ABOVE SHALL BE SUBMITTED TO THE ENGINEER WITH CALCULATIONS THAT ARE PREPARED AND SEALED BY A REGISTERED STRUCTURAL ENGINEER (PER THE REQUIREMENTS OF SECTION (1.3.4)) SHOWING THAT THE SUBSTITUTED PRODUCT WILL ACHIEVE AN EQUIVALENT CAPACITY USING THE APPROPRIATE DESIGN PROCEDURE REQUIRED BY THE BUILDING CODE. PRODUCT (ICC-ES CODE REPORTS) SHALL BE INCLUDED WITH THE SUBMITTAL PACKAGE. THE PROPOSED SUBSTITUTION(S) SHALL MEET THE MOST RECENTLY PUBLISHED ACI 308.2 OR ACI 305.4.



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PROJECT # 2300228  
ASSET # 5012011017

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DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: AMM  
CHECKED BY: MAF  
DESIGNED BY: MAF

SHEET TITLE:  
**GENERAL NOTES**

SHEET NUMBER:

**S-100**

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12 FEB 2026 DOCUMENTS - BID



# SPECIAL INSPECTION TABLES

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SHEET TITLE:  
**SPECIAL  
INSPECTIONS**

SHEET NUMBER:

**S-102**

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| STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS  |  |  |
|--|--|--|
| <p><b>GENERAL</b><br/>The Owner shall engage and employ a qualified special inspection agency or agencies to conduct special inspections of structural work as required by chapter 17 of the 2018 International Building Code and as delineated below. Agencies that are considered qualified and acceptable to act as special inspectors will be those acceptable to the building official of the jurisdiction that grants the building permit and the owner.</p> <p><b>SPECIAL INSPECTION REPORT REQUIREMENTS</b><br/>Special Inspectors shall keep records of inspections. The special inspector shall furnish inspection reports to the Building Official, Owner, Architect, Structural Engineer, and Contractor. Reports shall indicate that the structural work inspected was done in conformance to approved Contract Documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official, Owner, Architect, and Structural Engineer prior to the completion of that phase of work. A final report of inspections documenting required special inspections of structural work and correction of any discrepancies noted in the inspections shall be submitted at a point in time agreed upon by the Owner and the Building Official prior to the start of work.</p> <p><b>REQUIRED SPECIAL INSPECTIONS</b><br/>The following types of structural work require special inspections. Refer to individual Specification Sections for specific testing and inspecting requirements. Continuous inspection is the full-time observation of work by a qualified special inspector who is present in the area where the work is being performed. Periodic special inspection is the part-time or intermittent observation of work by a qualified special inspector who is present in the area where the work has been or is being performed and at the completion of the work.</p> |  |  |

| CONCRETE CONSTRUCTION  |                    |          |                                       |
|--|--------------------|----------|---------------------------------------|
| SPECIAL INSPECTION ITEM  | TYPE OF INSPECTION |          | REMARKS                               |
|  | CONTINUOUS         | PERIODIC |                                       |
| 1. Inspection of steel reinforcement, including size, quantity and placement.  |                    | X        |                                       |
| 2. Reinforcing bar welding:  |                    |          |                                       |
| a. Verify weldability of reinforcing bars other than ASTM A706.  |                    | X        |                                       |
| b. Inspect single-pass fillet welds, maximum 5/16"; and  |                    | X        |                                       |
| c. Inspect all other welds.  | X                  |          |                                       |
| 3. Inspection of anchor rods, headed bolts, headed studs, shear stud reinforcing and other embedded items prior to and during placement of concrete. | X                  |          |                                       |
| 4. Inspection of anchors installed in hardened concrete.   |                    |          | See "Post Installed Anchors" table    |
| 5. Verification of use of required design mixture.   |                    | X        |                                       |
| 6. Testing of slump, air content, and temperature of concrete at the time fresh concrete is sampled to fabricate specimens for strength tests.       | X                  |          | Frequency of test per specifications. |
| 7. Inspection of concrete placement, including conveying and depositing.   | X                  |          |                                       |
| 8. Inspection of curing procedures and maintenance of curing temperatures.   |                    | X        |                                       |
| 9. Inspection of prestressed concrete:   |                    |          |                                       |
| a. Application of prestressing forces.   | X                  |          |                                       |
| b. Grouting of bonded prestressing tendons in the seismic force resisting system.  | X                  |          |                                       |
| 10. Erection of precast concrete members.  |                    | X        |                                       |
| 11. Verification of concrete strength before removal of shores and forms from beams and slabs.   |                    | X        |                                       |
| 12. Inspect formwork for shape, location and dimensions of the concrete member being formed.   |                    | X        |                                       |
| 13. Verification that approved shop drawings are being used on site.   |                    | X        |                                       |

| WOOD CONSTRUCTION   |                    |          |   |
|---|--------------------|----------|---|
| SPECIAL INSPECTION ITEM   | TYPE OF INSPECTION |          | REMARKS   |
|   | CONTINUOUS         | PERIODIC |   |
| 1. Inspection of field gluing operations of elements of wind and seismic force resisting systems.   | X                  |          |   |
| 2. Verification of nailing, bolting, anchoring and other means of attachment within the wind and seismic force resisting systems.   |                    | X        |   |
| 3. Verification of all other connections.   |                    | X        |   |
| 4. Verification of the use of proper materials. Materials shall be identified by the certifying trade labels or grade stamps.   |                    | X        |   |
| 5. Verification of member sizes. Note any warped, cupped, twisted or damaged members.   |                    | X        |   |
| 6. Verification of the use of treated wood members. In addition, verify connectors used in contact with treated members meet the proper finish requirements.  |                    | X        |   |
| 7. Review of pre-engineered trusses. Note that trusses were fabricated per a certified manufacturer, proper storage methods, bracing installed per approved shop drawings, sheathing attachment and connectors. |                    | X        | Additional inspections per "Wood Trusses" table |
| 8. Inspection of fabrication process of other prefabricated wood structural elements and assemblies. Verification of the use of proper materials, member sizes and connections.                                 |                    | X        |   |

| SOILS  |                    |          |         |
|--|--------------------|----------|---------|
| SPECIAL INSPECTION ITEM  | TYPE OF INSPECTION |          | REMARKS |
|  | CONTINUOUS         | PERIODIC |         |
| 1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.                   |                    | X        |         |
| 2. Verify excavations are extended to proper depth and have reached proper material.                                 |                    | X        |         |
| 3. Perform classification and testing of compacted fill materials.   |                    | X        |         |
| 4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill. | X                  |          |         |
| 5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.           |                    | X        |         |

| WELDED STEEL CONSTRUCTION   |                                |                           |         |
|---|--------------------------------|---------------------------|---------|
| SPECIAL INSPECTION ITEM   | TYPE OF INSPECTION             |                           | REMARKS |
|   | PERFORM FOR EACH STEEL ELEMENT | OBSERVE ON A RANDOM BASIS |         |
| 1. Inspection tasks prior to welding:   |                                |                           |         |
| a. Welding procedure specifications (WPS) available.  | X                              |                           |         |
| b. Manufacturer certifications for welding consumables available.   | X                              |                           |         |
| c. Material identification (type/grade).  |                                | X                         |         |
| d. Welder identification system.  |                                | X                         |         |
| e. Fit-up of groove welds (including joint geometry):   |                                | X                         |         |
| • Joint preparation   |                                | X                         |         |
| • Dimensions (alignment, root opening, root face, bevel)  |                                | X                         |         |
| • Cleanliness (condition of steel surfaces)   |                                | X                         |         |
| • Tacking (tack weld quality and location)  |                                | X                         |         |
| • Backing type and fit (if applicable)  |                                | X                         |         |
| f. Configuration and finish of access holes.  |                                | X                         |         |
| g. Fit-up of fillet welds:  |                                | X                         |         |
| • Dimensions (alignment, gaps at root)  |                                | X                         |         |
| • Cleanliness (condition of steel surfaces)   |                                | X                         |         |
| • Tacking (tack weld quality and location)  |                                | X                         |         |
| h. Check welding equipment.   |                                | X                         |         |
| 2. Inspection tasks during welding:   |                                |                           |         |
| a. Use of qualified welders.  |                                | X                         |         |
| b. Control and handling of welding consumables:   |                                | X                         |         |
| • Packaging   |                                | X                         |         |
| • Exposure control  |                                | X                         |         |
| c. No welding over cracked tack welds.  |                                | X                         |         |
| d. Environmental conditions:  |                                | X                         |         |
| • Wind speed within limits  |                                | X                         |         |
| • Precipitation and temperature   |                                | X                         |         |
| e. WPS followed:  |                                | X                         |         |
| • Settings on welding equipment   |                                | X                         |         |
| • Travel speed  |                                | X                         |         |
| • Selected welding materials  |                                | X                         |         |
| • Shielding gas type/flow rate  |                                | X                         |         |
| • Preheat applied   |                                | X                         |         |
| • Interpass temperature maintained (min/max)  |                                | X                         |         |
| • Proper position (F, V, H, OH)   |                                | X                         |         |
| f. Welding techniques:  |                                | X                         |         |
| • Interpass and final cleaning  |                                | X                         |         |
| • Each pass within profile limitations  |                                | X                         |         |
| • Each pass meets quality requirements  |                                | X                         |         |
| 3. Inspection tasks after welding:  |                                |                           |         |
| a. Welds cleaned.   |                                | X                         |         |
| b. Size, length and location of welds.  | X                              |                           |         |
| c. Welds meet visual acceptance criteria:   | X                              |                           |         |
| • Crack prohibition   | X                              |                           |         |
| • Weld/base-metal fusion  | X                              |                           |         |
| • Crater cross section  | X                              |                           |         |
| • Weld profiles   | X                              |                           |         |
| • Weld size   | X                              |                           |         |
| • Undercut  | X                              |                           |         |
| • Porosity  | X                              |                           |         |
| d. Arc strikes.   | X                              |                           |         |
| e. Visually inspect the web k-area for cracks within 3" of doubler plates, continuity plates and stiffeners welded in the k-area. | X                              |                           |         |
| f. Placement of reinforcing or contouring fillet welds (if required).   | X                              |                           |         |
| g. Backing removed and weld tabs removed (if required).   | X                              |                           |         |
| h. Repair activities.   | X                              |                           |         |
| i. Document acceptance or rejection of welded joint or member.  | X                              |                           |         |

| STEEL DECKING CONSTRUCTION  |                                |                           |         |
|---|--------------------------------|---------------------------|---------|
| SPECIAL INSPECTION ITEM   | TYPE OF INSPECTION             |                           | REMARKS |
|   | PERFORM FOR EACH STEEL ELEMENT | OBSERVE ON A RANDOM BASIS |         |
| 1. Inspection or execution tasks prior to deck placement:   |                                |                           |         |
| a. Verify compliance of materials (deck and all deck accessories) with construction documents, including profiles, material properties, and base metal thickness. |                                | X                         |         |
| b. Document acceptance or rejection of deck & deck accessories.   |                                | X                         |         |
| c. Confirm approved shop drawings are being used in field.  | X                              |                           |         |
| 2. Inspection or execution tasks after deck placement:  |                                |                           |         |
| a. Verify compliance of deck and all deck accessories installation with construction documents.   |                                | X                         |         |
| b. Verify deck materials are represented by the mill certifications that comply with the construction documents.  |                                | X                         |         |
| c. Document acceptance or rejection of installation of deck and deck accessories.   |                                | X                         |         |
| 3. Inspection or execution tasks prior to welding:  |                                |                           |         |
| a. Welding procedure specifications (WPS) available.  |                                | X                         |         |
| b. Manufacturer certifications for welding consumables available.   |                                | X                         |         |
| c. Material identification (type/grade).  |                                | X                         |         |
| d. Check welding equipment.   |                                | X                         |         |
| 4. Inspection or execution tasks during welding:  |                                |                           |         |
| a. Use of qualified welders.  |                                | X                         |         |
| b. Control and handling of welding consumables.   |                                | X                         |         |
| c. Environmental conditions (wind speed, moisture, temperature)   |                                | X                         |         |
| d. WPS followed.  |                                | X                         |         |
| 5. Inspection or execution tasks after welding:   |                                |                           |         |
| a. Verify size and location of welds, including support, sidelap, and perimeter welds.  |                                | X                         |         |
| b. Welds meet visual acceptance criteria.   |                                | X                         |         |
| c. Verify repair activities.  |                                | X                         |         |
| d. Document acceptance or rejection of welds.   |                                | X                         |         |
| 6. Inspection or execution tasks prior to mechanical fastening:   |                                |                           |         |
| a. Manufacturer installation instructions available for mechanical fasteners.   |                                | X                         |         |
| b. Proper tools available for fastener installation.  |                                | X                         |         |
| c. Proper storage for mechanical fasteners.   |                                | X                         |         |
| 7. Inspection or execution tasks during mechanical fastening:   |                                |                           |         |
| a. Fasteners are positioned as required.  |                                | X                         |         |
| b. Fasteners are installed in accordance with manufacturer's instructions.  |                                | X                         |         |
| 8. Inspection or execution tasks after mechanical fastening:  |                                |                           |         |
| a. Check spacing, type, and installation of support fasteners.  |                                | X                         |         |
| b. Check spacing, type, and installation of sidelap fasteners.  |                                | X                         |         |
| c. Check spacing, type, and installation of perimeter fasteners.  |                                | X                         |         |
| d. Verify repair activities.  |                                | X                         |         |
| e. Document acceptance or rejection of mechanical fasteners.  |                                | X                         |         |

| POST INSTALLED ANCHORS TO CONCRETE AND MASONRY  |                    |          |              |
|---|--------------------|----------|--------------|
| SPECIAL INSPECTION ITEM   | TYPE OF INSPECTION |          | REMARKS      |
|   | CONTINUOUS         | PERIODIC |              |
| 1. Use of proper anchor system and manufacturer.  |                    | X        |              |
| 2. Review of installer's qualifications including certification by anchor manufacturer.   |                    | X        | * See Note 1 |
| 3. Anchor installation process as noted in general notes.   |                    |          | * See Note 2 |
| 4. Verification of supporting material's condition.   |                    | X        |              |
| 5. Proof testing as outlined in general notes.  |                    | X        |              |
| 6. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.  | X                  |          |              |
| 7. Mechanical anchors and adhesive anchors not defined in Note 6.   |                    | X        |              |
| * Remark Notes:<br>1. Inspector shall be familiar with anchor manufacturer's written installation procedure and ESR report.<br>2. Refer to manufacturer's ESR for type of inspection periodic vs. continuous. |                    |          |              |



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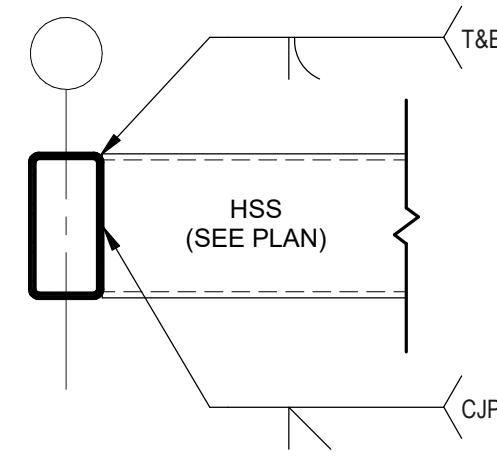
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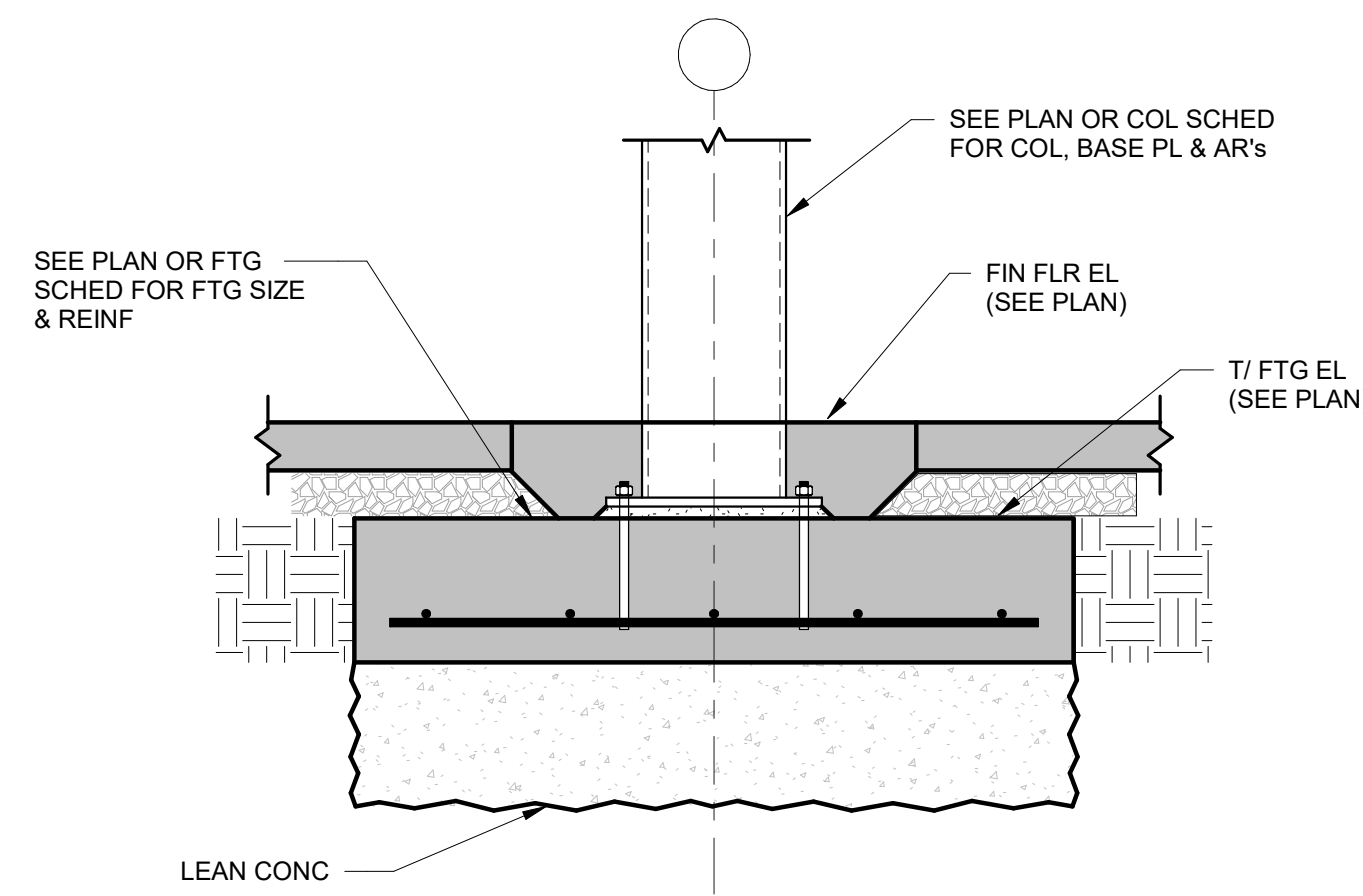
SHEET TITLE:  
**TYPICAL DETAILS**

SHEET NUMBER:

**S-103**

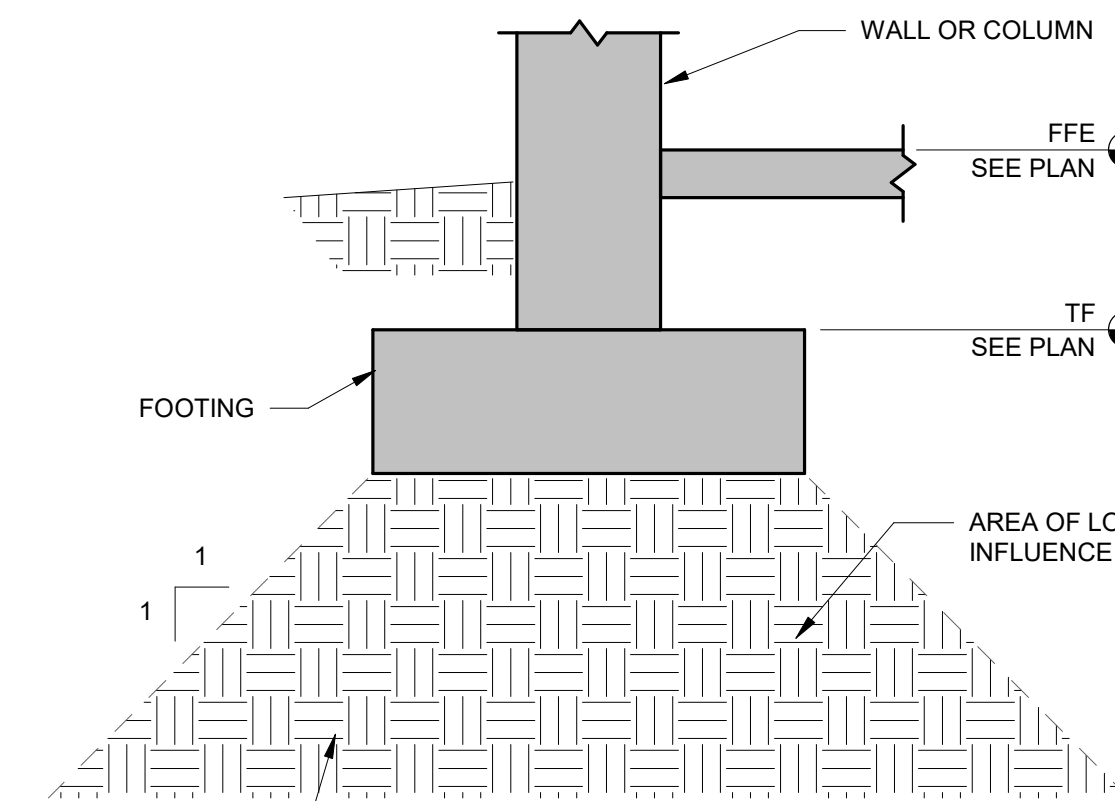


3 TYPICAL HSS MOMENT CONNECTION AT HSS BEAM/COLUMN DETAIL  
 S-103 NTS



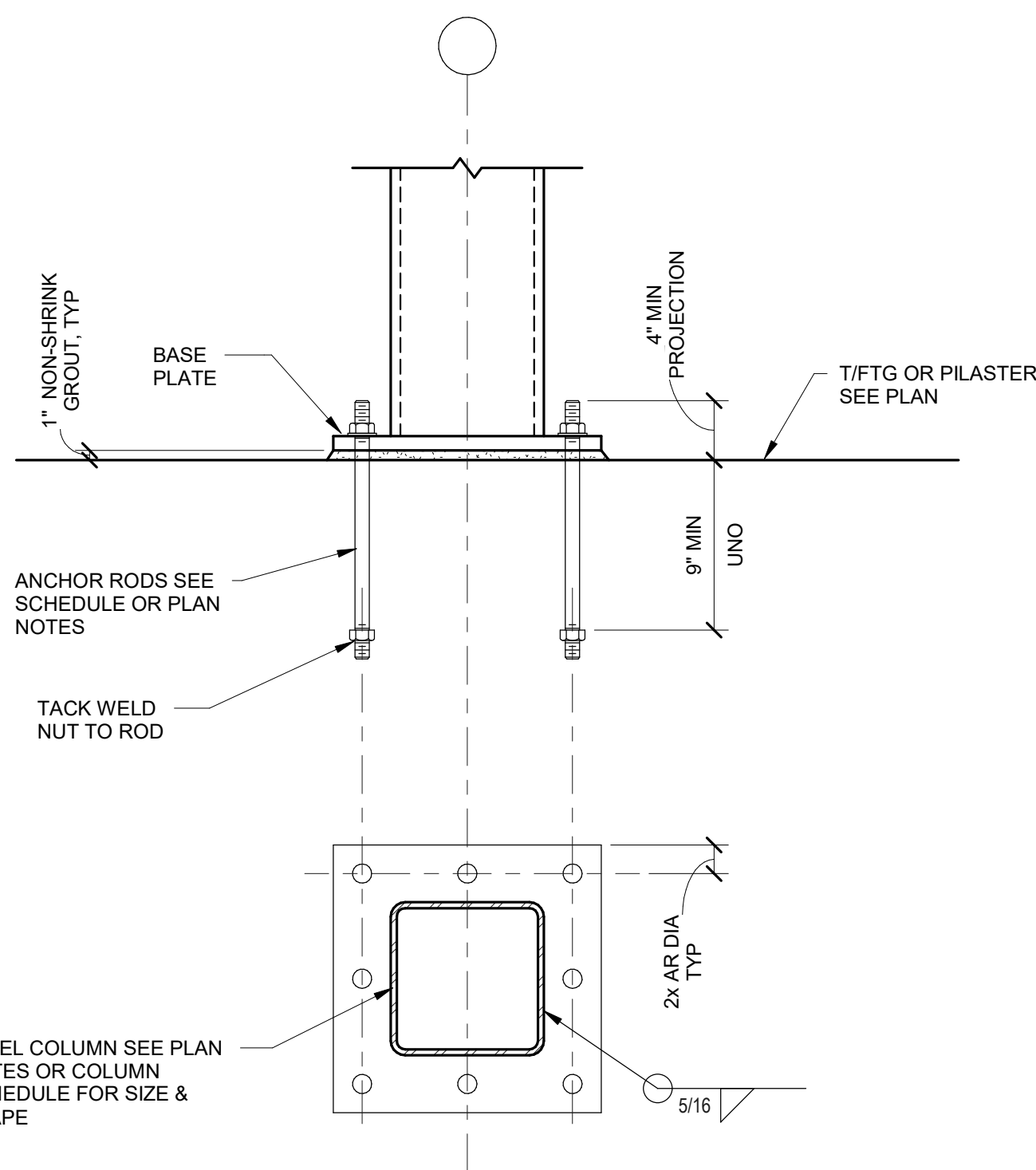
EXCAVATE TO SUITABLE BEARING STRATUM AND PROVIDE LEAN CONCRETE (500 PSI, MIN) OR COMPACTED ENGINEERED FILL IF BOTTOM OF FOOTING EXCAVATION DOES NOT PROVIDE REQUIRED BEARING STRENGTH. CONFIRM SUITABLE BEARING ELEVATION WITH GEOTECHNICAL ENGINEER.

2 TYPICAL FOOTING OVEREXCAVATION DETAIL  
 S-103 NTS

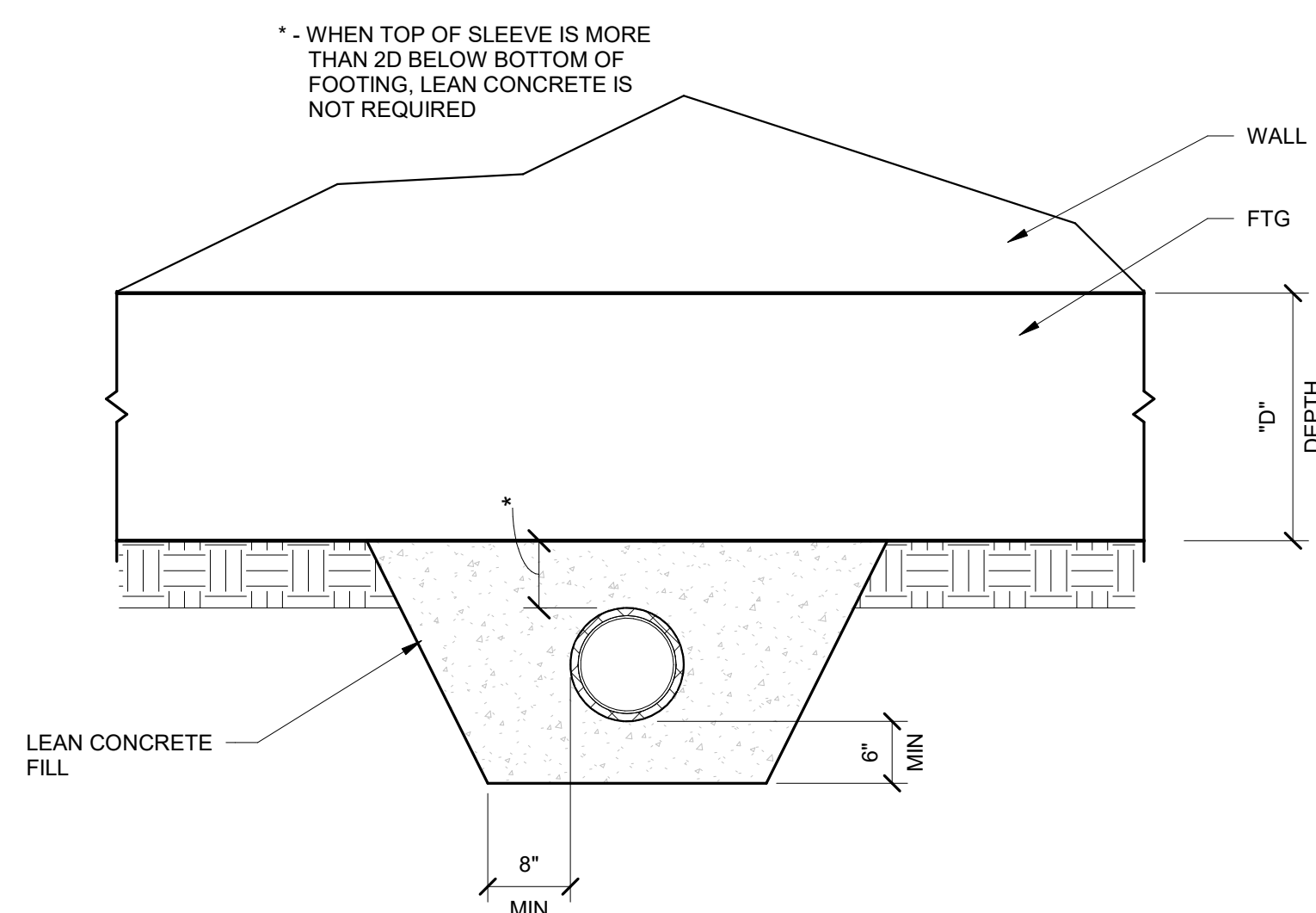


EXCAVATIONS, FOR ANY REASON, INSIDE THE AREA OF LOAD INFLUENCE (SHOWN HATCHED) ARE PROHIBITED UNLESS SPECIFICALLY REVIEWED AND APPROVED BY STRUCTURAL ENGINEER

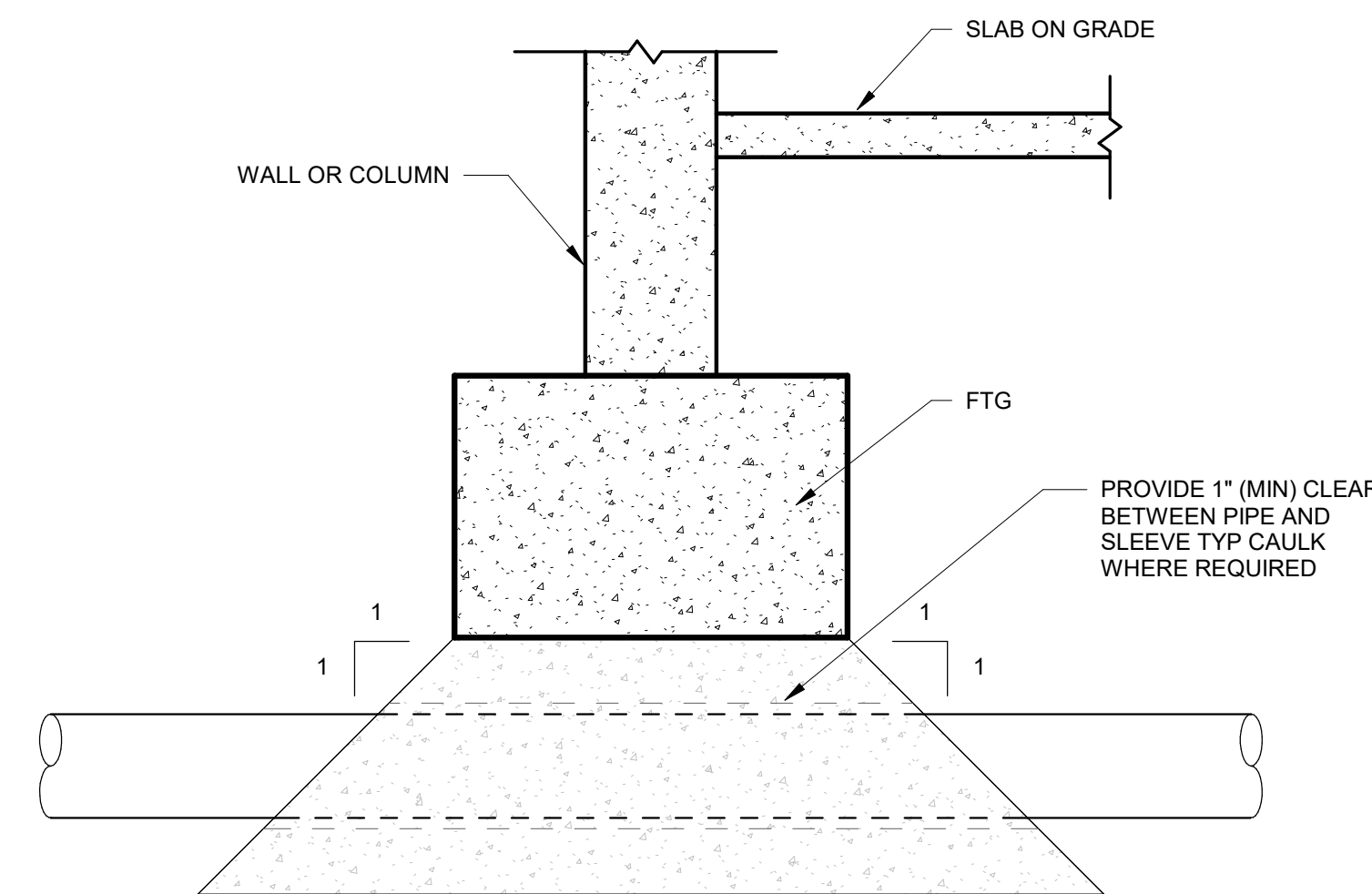
1 TYPICAL PROHIBITED EXCAVATIONS AT FOUNDATION  
 S-103 NTS



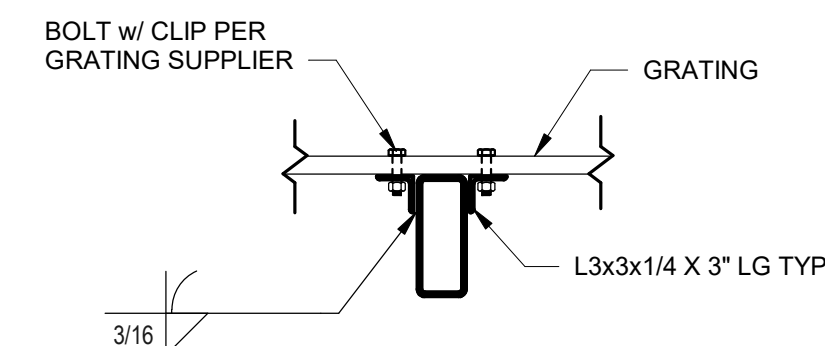
6 TYPICAL HSS COLUMN BASE PLATE DETAIL  
 S-103 NTS



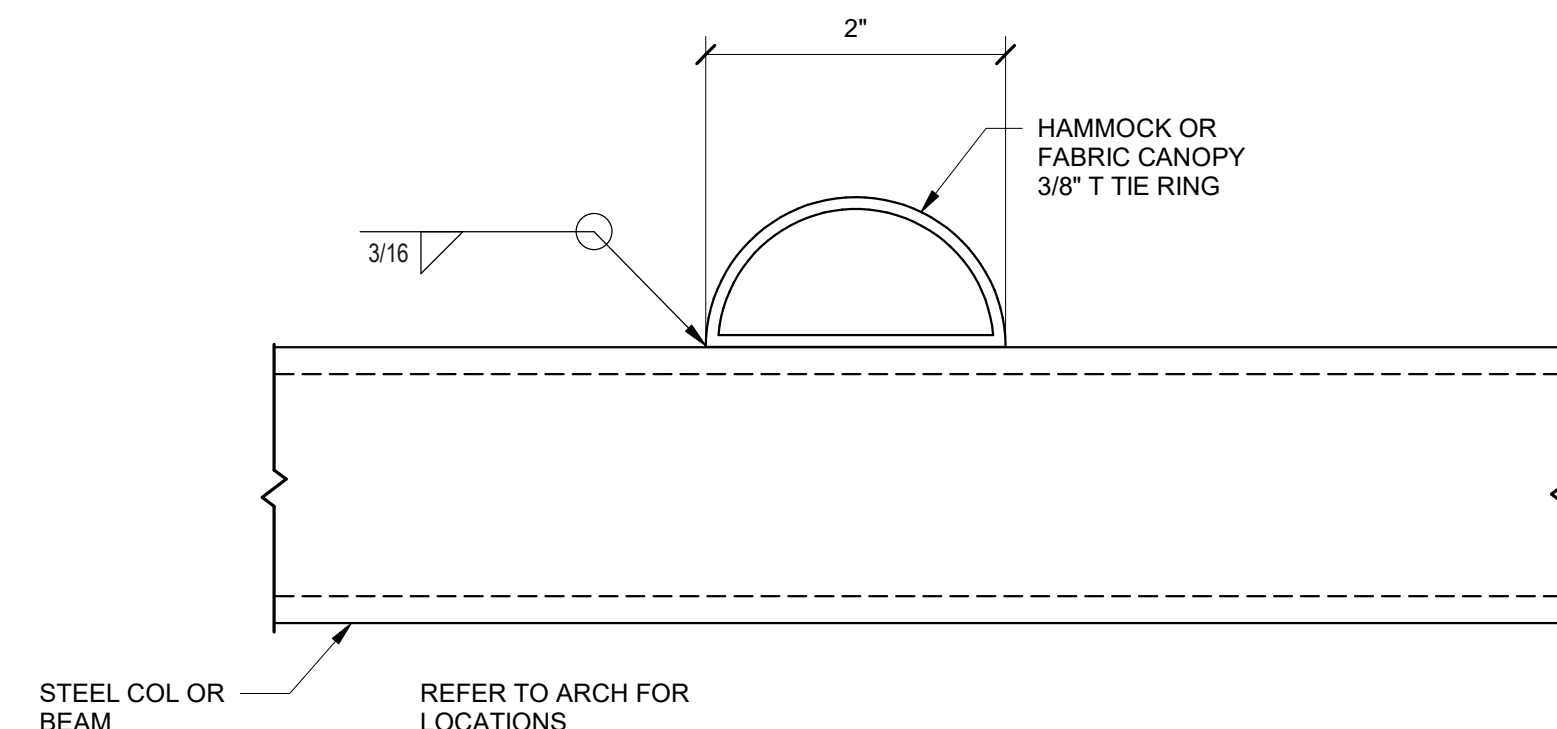
5 TYPICAL FOOTING DETAIL WHERE PLUMBING PASSES BELOW FOOTING  
 S-103 3/4" = 1'-0"



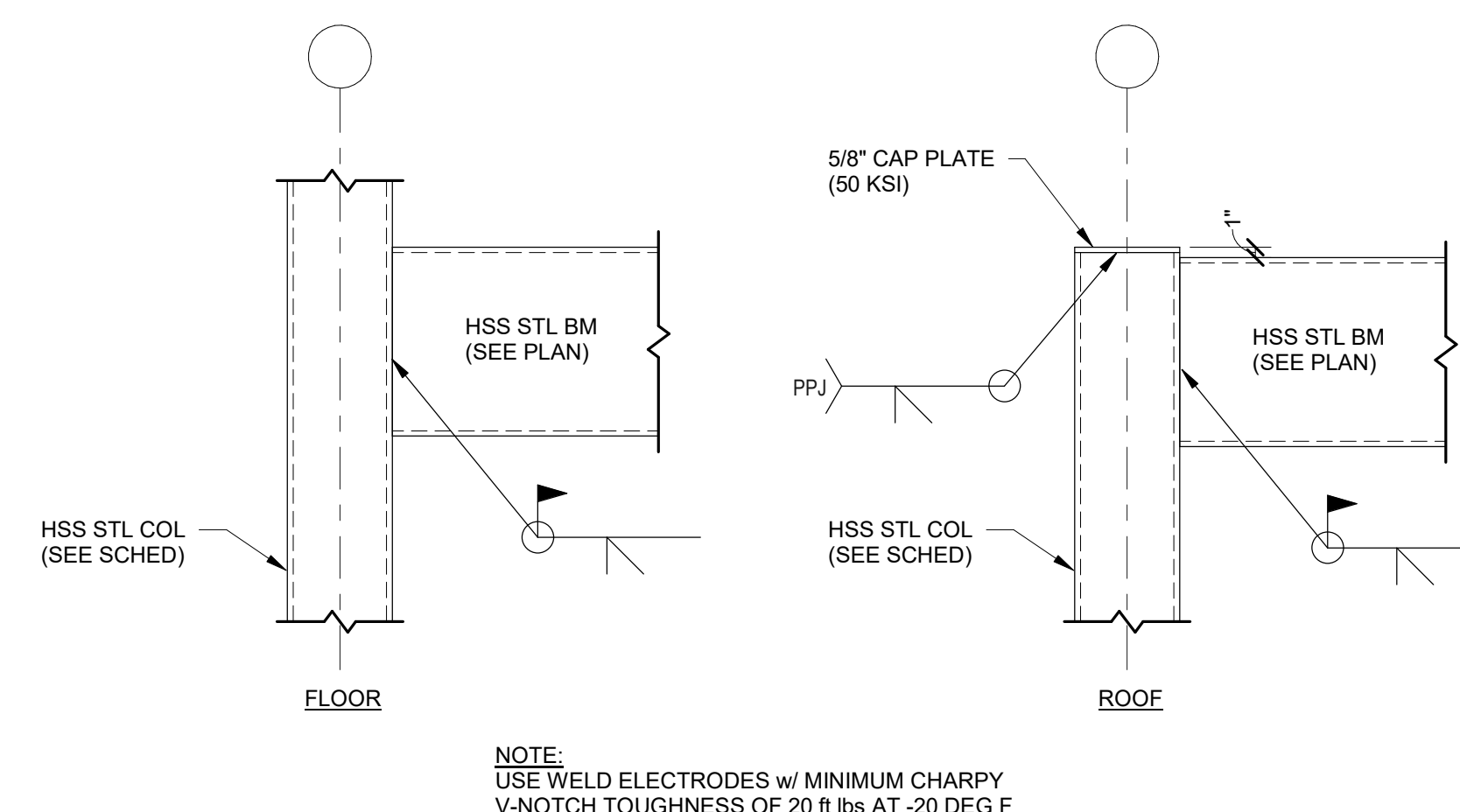
4 TYPICAL STAIR STRINGER AT SLAB ON GRADE DETAIL  
 S-103 NTS



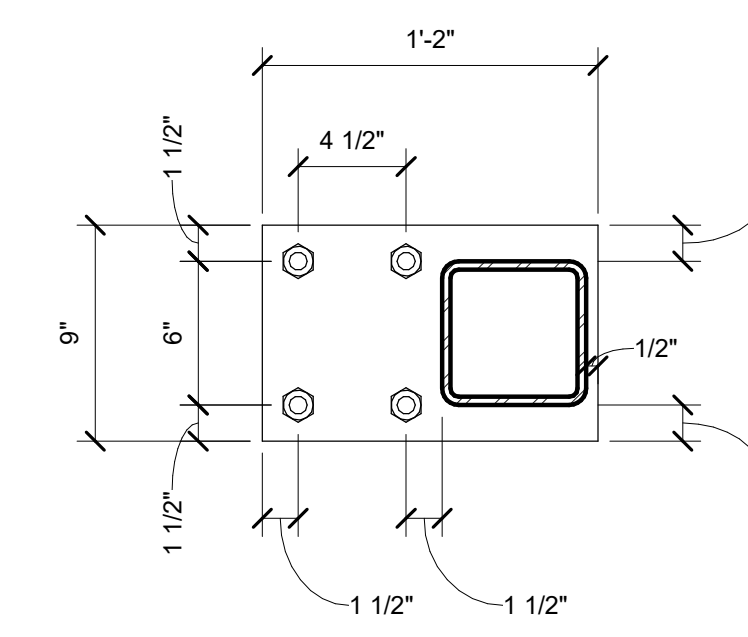
10 GRATING TO BEAM CONNECTION DETAIL  
 S-103 3/4" = 1'-0"



9 TYPICAL RING ATTACHMENT TO STEEL  
 S-103 NTS



8 TYPICAL MOMENT CONNECTION AT HSS COLUMN DETAIL  
 S-103 NTS



7 BASEPLATE  
 S-103 1 1/2" = 1'-0"



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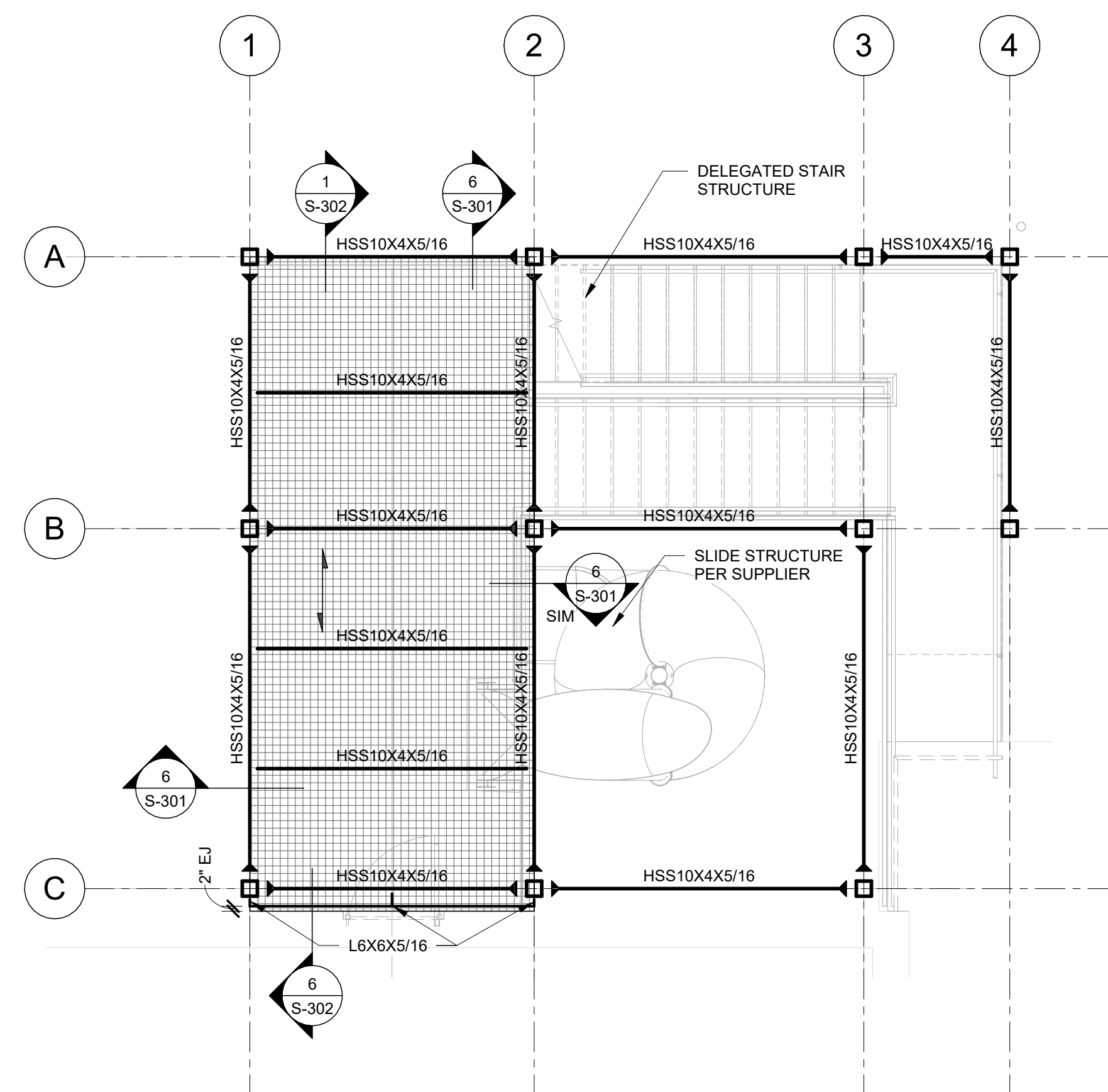
ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: AMM  
CHECKED BY: MAF  
DESIGNED BY: MAF

SHEET TITLE:  
**LEVELS S1 & S2**

SHEET NUMBER:

**S-201**



**2** LEVEL S2 (HEALTH CENTER)  
1/4" = 1'-0"

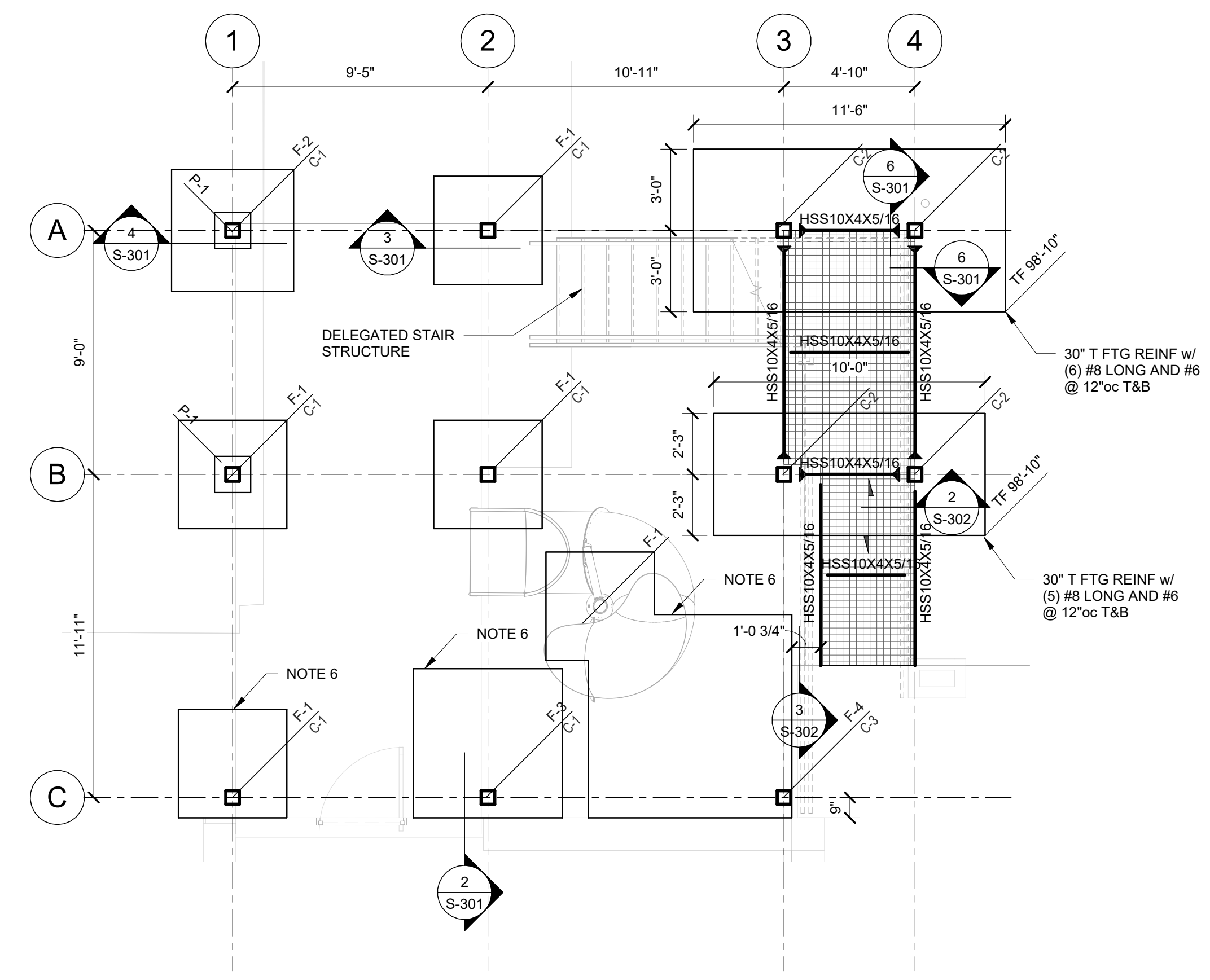
- NOTES:
1. TOP OF STEEL EL = 112'-8 1/2" UNO.
  2. DENOTES MOMENT CONNECTION PER 8/S103.
  3. INDICATES DIRECTION OF DECK OR BAR GRATING SPAN.
  4. INDICATES DURAGRID SERIES T1800 FIBERGLASS BAR GRATING, TYP.
  5. ALL BEAMS WITH BOLTED CONNECTIONS TO RECEIVE 1/2" WEEP HOLE ON THE UNDERSIDE OF THE BEAM AT MIDSPAN.

| FOOTING SCHEDULE |                 |                     |         |
|------------------|-----------------|---------------------|---------|
| MARK             | SIZE            | REINF EW, BOT - UNO | REMARKS |
| F-1              | 4'-0"x4'-0"x18" | (4) #6, T&B         |         |
| F-2              | 4'-6"x4'-6"x18" | (6) #5, T&B         |         |
| F-3              | 5'-6"x5'-6"x18" | (6) #6, T&B         |         |
| F-4              | 7'-6"x7'-6"x18" | (8) #7, T&B         |         |

| STEEL COLUMN SCHEDULE |            |                |                          |            |
|-----------------------|------------|----------------|--------------------------|------------|
| MARK                  | SIZE       | BASE PLATE     | ANCHOR BOLTS             | REMARKS    |
| C-1                   | HSS6X6X3/8 | 3/4"x12"x1'-0" | (4) 3/4" DIA x 9" EMBED  |            |
| C-2                   | HSS6X6X3/8 | 3/4"x12"x1'-0" | (4) 3/4" DIA x 28" EMBED |            |
| C-3                   | HSS6X6X3/8 | 1"x14"x0'-9"   | (4) 3/4" DIA x 9" EMBED  | SEE 7/S103 |
| C-4                   | HSS3X3X1/4 | 3/8"x7"x7"     | (4) 1/2"x3" LAG SCREW    |            |

| CONCRETE PILASTER SCHEDULE |       |            |                   |      |         |
|----------------------------|-------|------------|-------------------|------|---------|
| MARK                       | SIZE  | VERT REINF | TIES - UNO        | TYPE | REMARKS |
| P-1                        | 16x16 | (8) #6     | HOOK DWL INTO FTG |      |         |

- NOTES:
1. SPACE TOP (3) TIES @ 4" OC, BALANCE @ 8" OC.
  2. PROVIDE DOWELS INTO FOUNDATION. MATCH VERTICAL REINFORCEMENT.



**1** LEVEL S1 (PLAYGROUND)  
1/4" = 1'-0"

- NOTES:
1. FINISHED FLOOR SLAB EL IS 100'-0" UNO.
  2. TOP OF STEEL EL = 105'-8 1/2"
  3. SLAB ON GROUND IS TO BE BY CIVIL.
  4. TIF = 99'-0" UNO.
  5. CONTRACTOR SHALL COORDINATE UNDERGROUND UTILITY LINES WITH PLACEMENT OF FOOTINGS. DO NOT ALLOW UTILITIES OR EXCAVATION FOR UTILITIES TO UNDERMINE THE FOOTINGS. SEE TYPICAL DETAILS.
  6. CONTRACTOR TO FIELD VERIFY BOTTOM OF EXISTING FOOTING ELEVATIONS. EXTEND BOTTOM OF NEW FTG TO BOT OF EXISTING WHILE MAINTAINING FROST PROTECTION AT EXTERIOR OF BUILDING.
  7. DENOTES MOMENT CONNECTION PER 8/S103.
  8. TYPICAL = 100'-4" UNO.
  9. INDICATES DIRECTION OF DECK OR BAR GRATING SPAN.
  10. INDICATES DURAGRID SERIES T1800 FIBERGLASS GRATING, TYP.
  11. ALL BEAMS WITH BOLTED CONNECTIONS TO RECEIVE 1/2" WEEP HOLE ON THE UNDERSIDE OF THE BEAM AT MIDSPAN.

THE DIMENSIONS AND ELEVATIONS SHOWN FOR THE EXISTING CONSTRUCTION ARE NOT AS-BUILT DIMENSIONS BUT WERE OBTAINED FROM FIELD MEASUREMENTS, OTHER DRAWINGS, AND DOCUMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.



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PROJECT # 2300228  
ASSET # 5012011017

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
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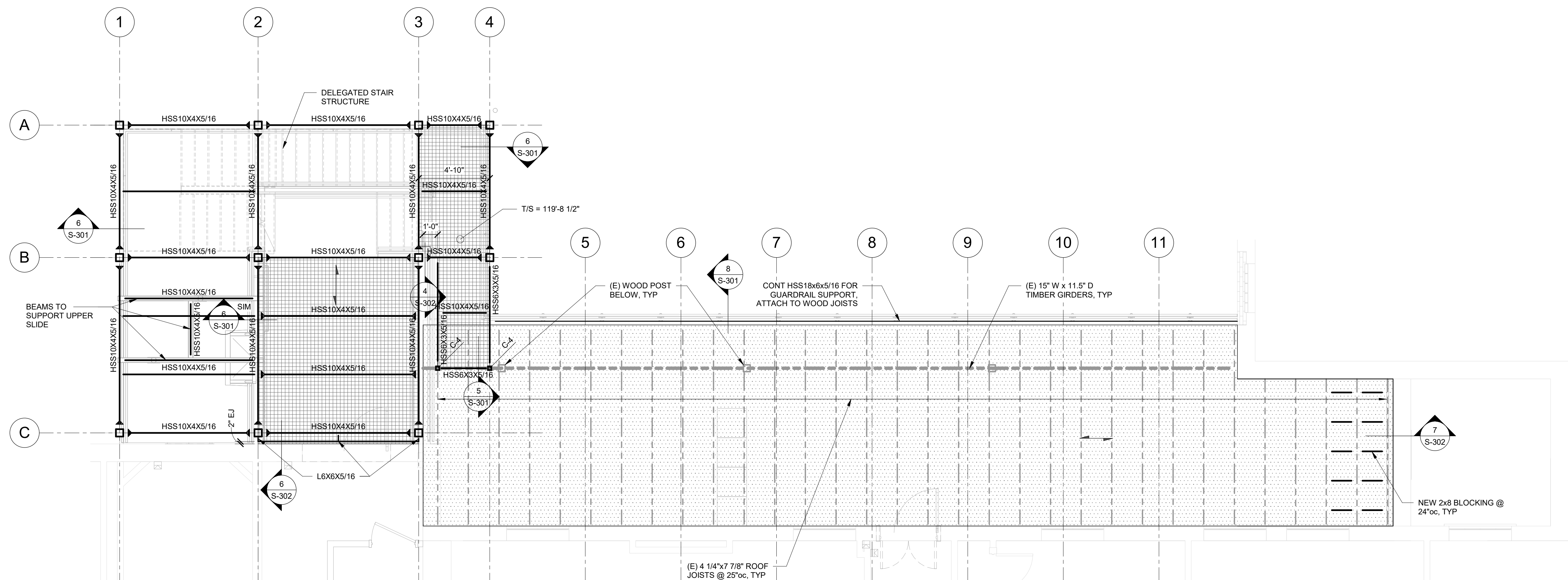
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SHEET TITLE:  
**LEVEL S3**

SHEET NUMBER:

**S-202**

Page 15 of 44 CONSTRUCTION  
12 FEB 2026 DOCUMENTS - BID



**1** LEVEL S3 (E DORM)  
**S-202** 1/4" = 1'-0"

- NOTES:
- TOP OF STEEL EL = 122'-7 1/2" UNO.
  - INDICATES DIRECTION OF DECK OR BAR GRATING SPAN.
  - INDICATES DURAGRID SERIES T1800 FIBERGLASS GRATING, TYP.
  - INDICATES (N) 3/4" TONGUE & GROOVE PLYWOOD DECK.
  - DENOTES MOMENT CONNECTION PER 9/5/03.
  - ALL BEAMS WITH BOLTED CONNECTIONS TO RECEIVE 1/2" WEEP HOLE ON THE UNDERSIDE OF THE BEAM AT MIDSPAN.

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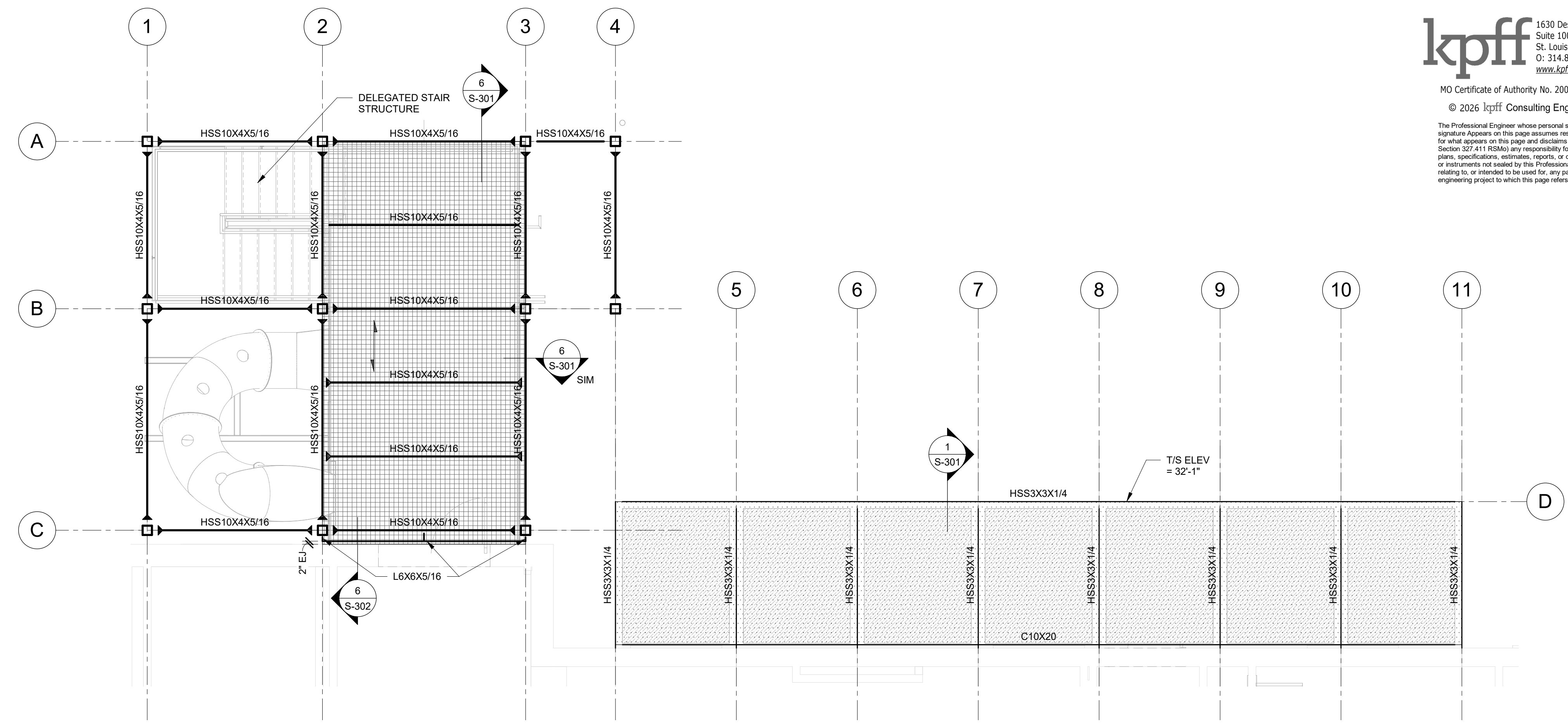
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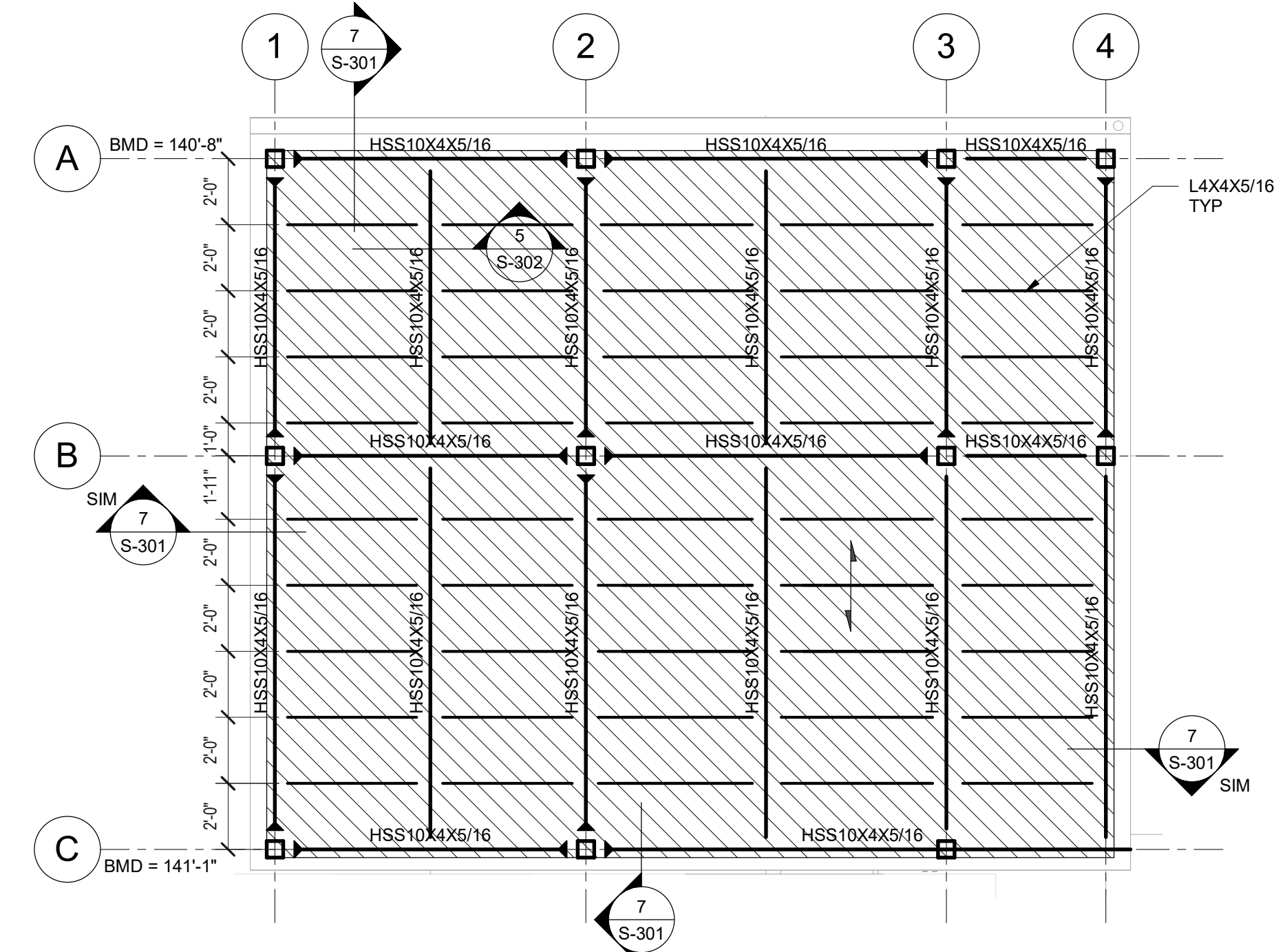
SHEET TITLE:  
**LEVEL S4 & ROOF**

SHEET NUMBER:  
**S-203**  
 Page 16 of 44 CONSTRUCTION  
 12 FEB 2026 DOCUMENTS - BID



**1** LEVEL S4 (F DORM)  
 1/4" = 1'-0"

- NOTES:
1. TOP OF STEEL EL = 131'-11 1/2". UNO.
  2. [Hatched pattern] INDICATES 1 1/2" FIBERGLASS GRATING, TYP.
  3. [Diagonal lines] INDICATES (N) CANVAS CANOPY PER ARCH.
  4. [Arrow] INDICATES DIRECTION OF DECK OR BAR GRATING SPAN.
  5. [Triangle] DENOTES MOMENT CONNECTION PER 8/S103.
  6. ALL BEAMS WITH BOLTED CONNECTIONS TO RECEIVE 1/2" WEEP HOLE ON THE UNDERSIDE OF THE BEAM AT MIDSPAN.



**2** STAIR ROOF PLAN  
 1/4" = 1'-0"

- NOTES:
1. BOTTOM OF METAL DECK EL (BMD) PER PLAN.
  2. ROOF DECK TO BE 7/8" 22 GA CORRUGATED METAL PANEL. SEE GENERAL NOTES FOR ATTACHMENT TO SUPPORTING STRUCTURE.
  3. [Arrow] INDICATES DIRECTION OF DECK SPAN.
  4. [Triangle] DENOTES MOMENT CONNECTION PER 8/S104.
  5. ALL BEAMS WITH BOLTED CONNECTIONS TO RECEIVE 1/2" WEEP HOLE ON THE UNDERSIDE OF THE BEAM AT MIDSPAN.

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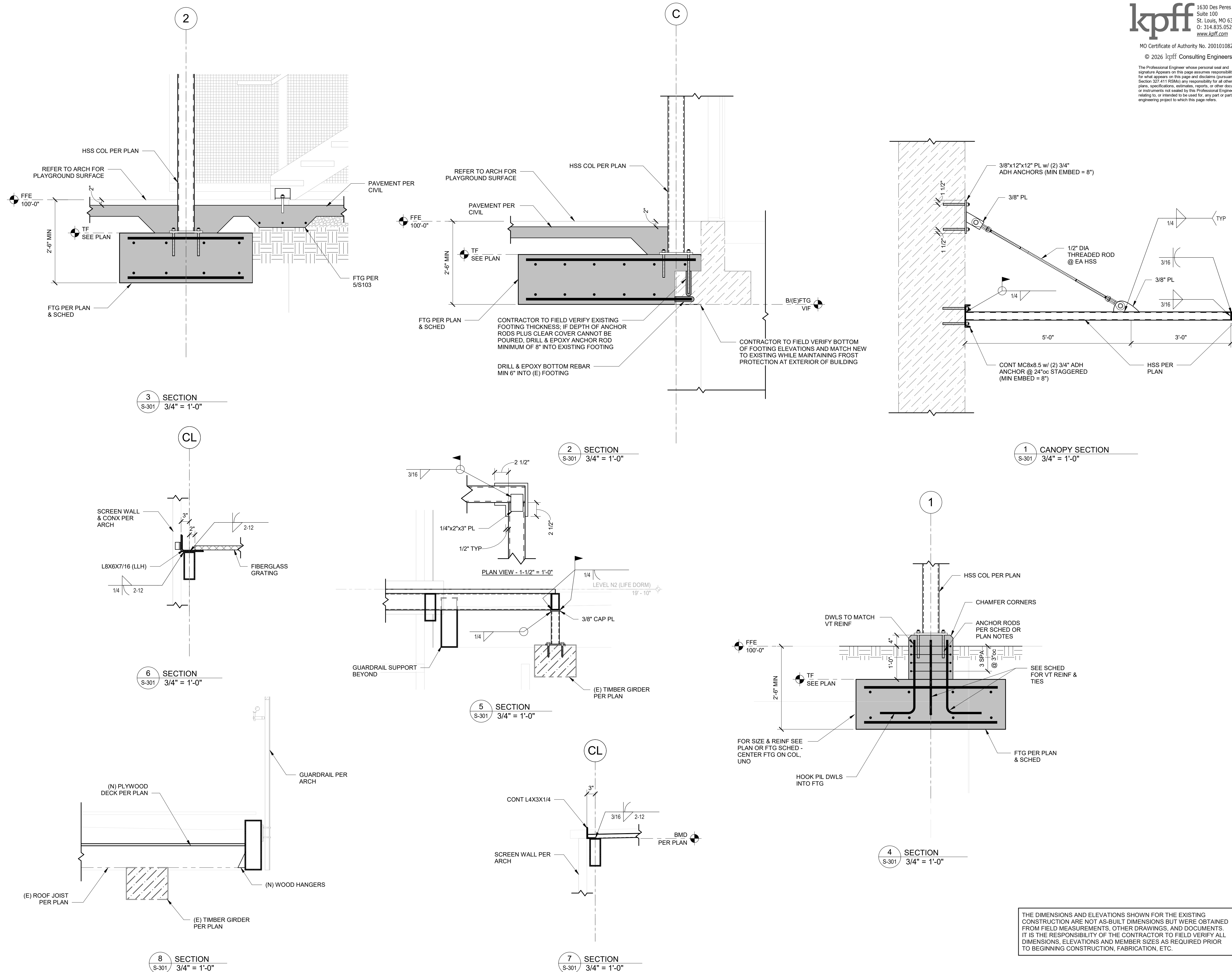
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SHEET TITLE:  
**SECTIONS &  
DETAILS**

SHEET NUMBER:

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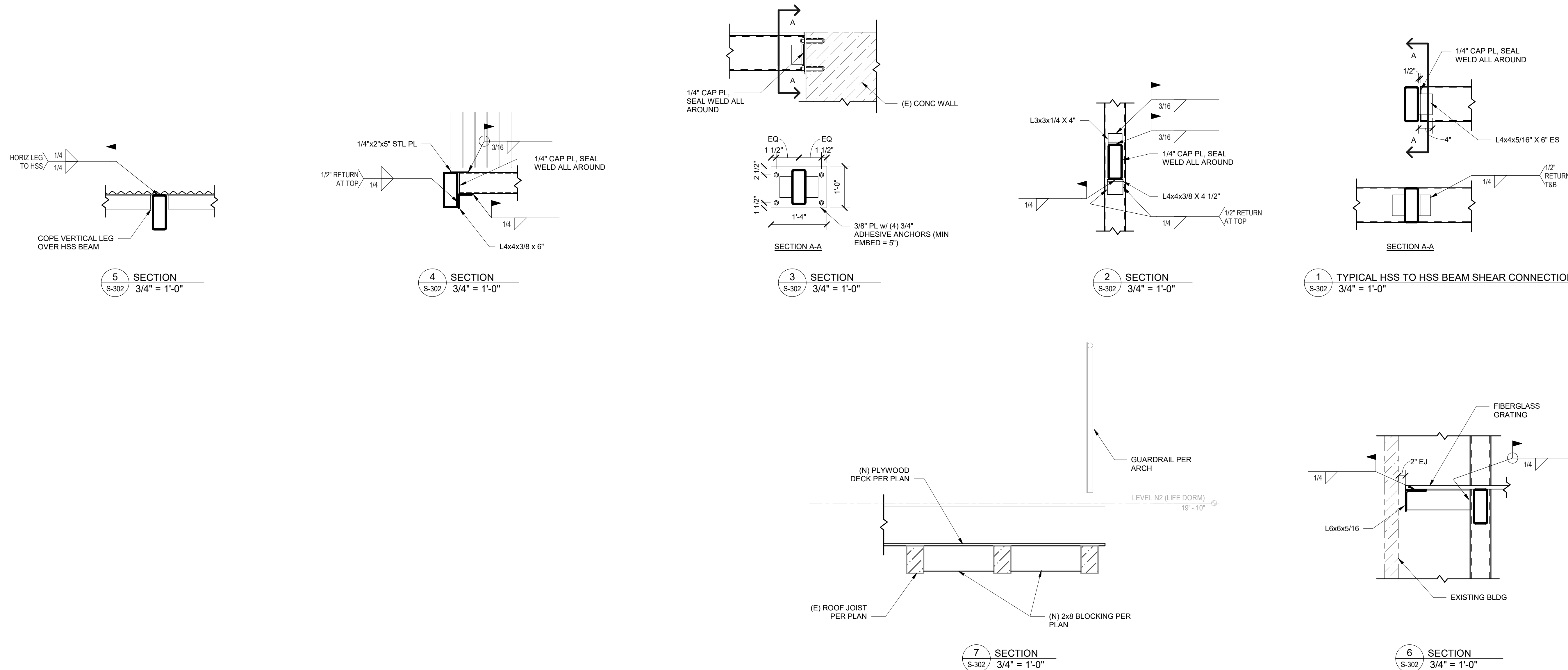
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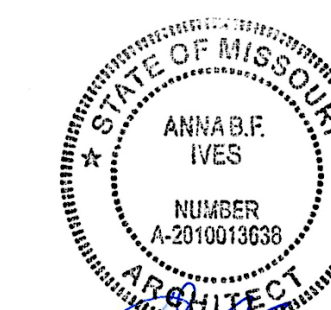
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Page 18 of 44 CONSTRUCTION  
12 FEB 2026 DOCUMENTS - BID



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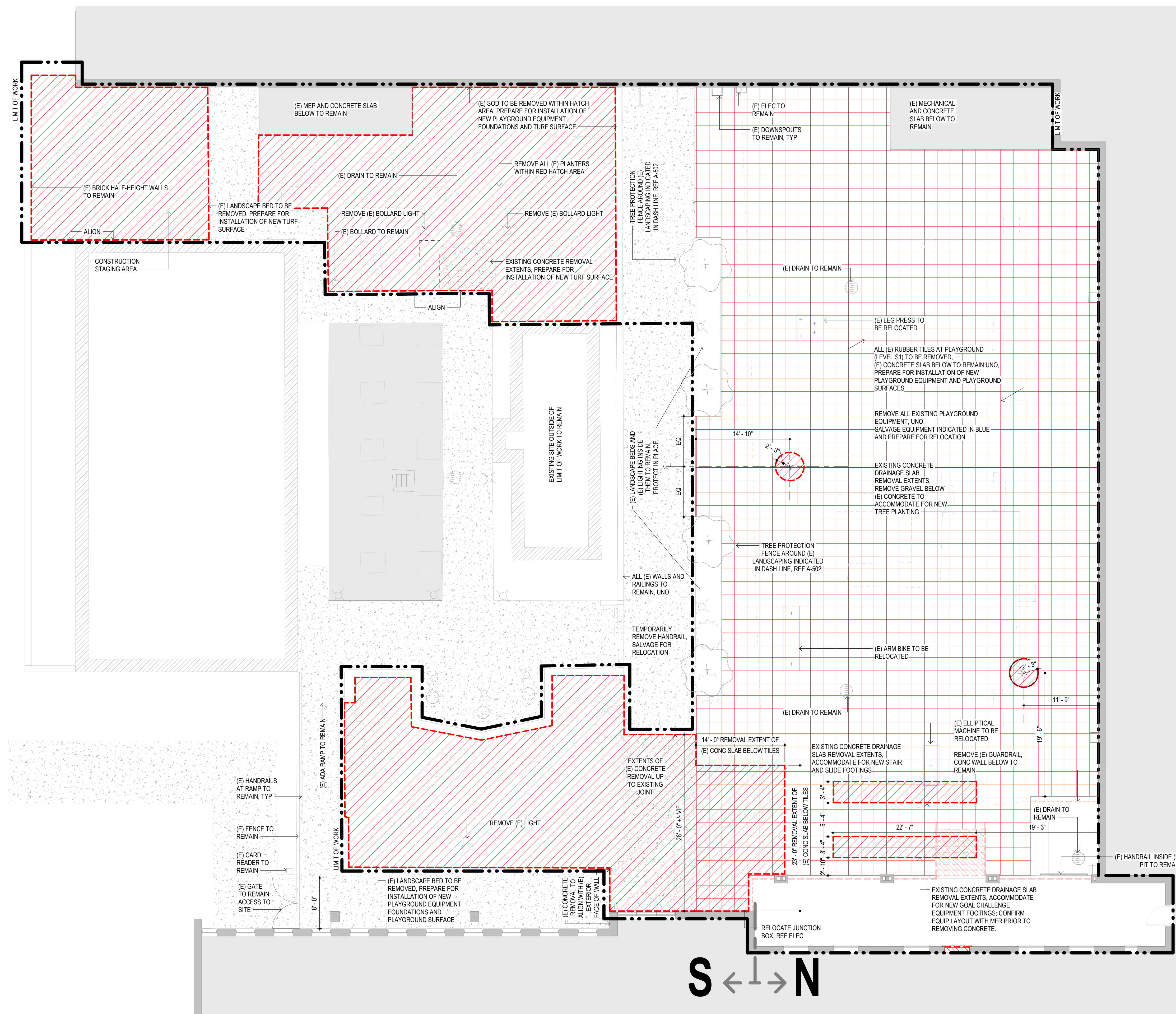
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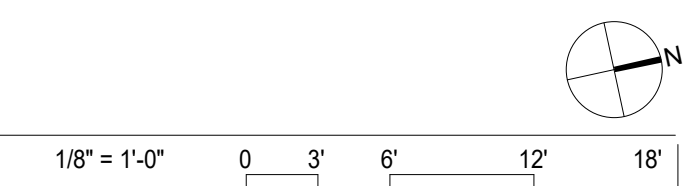
SHEET TITLE:  
**SELECTIVE  
 REMOVAL SITE  
 PLAN**

SHEET NUMBER:

**A-100**

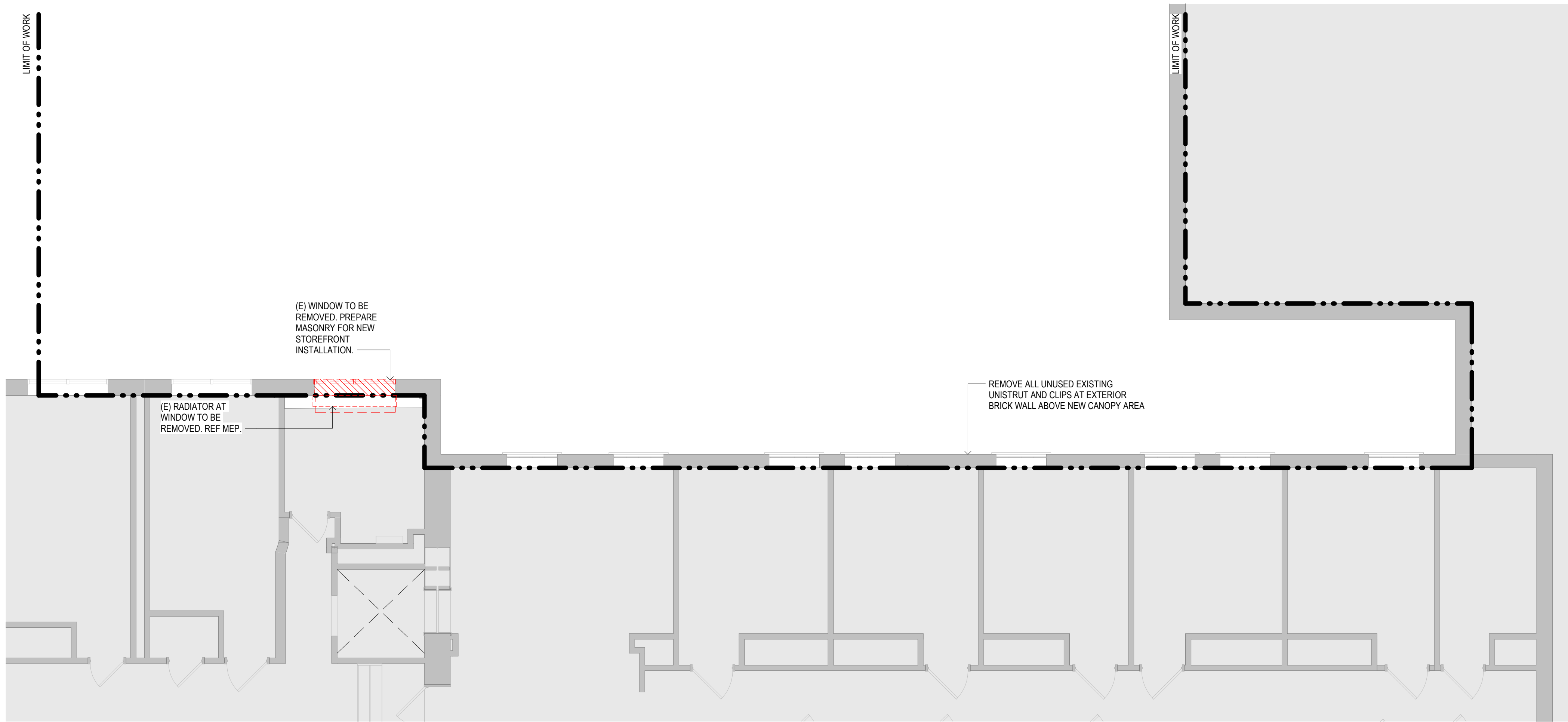


1 SELECTIVE REMOVAL SITE PLAN  
 A-100 1/8" = 1'-0"

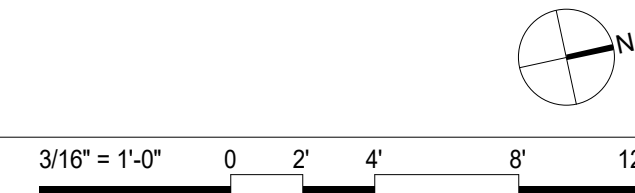


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1 SELECTIVE REMOVAL LEVEL S4 / N3 (F DORM)  
A-102 3/16" = 1'-0"



**SELECTIVE REMOVAL  
GENERAL NOTES**

- A. REFERENCE SHEET G-002 FOR PROJECT GENERAL NOTES AND CONDITIONS.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION AND SELECTIVE REMOVAL. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND AMONG THE DOCUMENTS OR BETWEEN DOCUMENTS AND EXISTING CONDITIONS.
- C. COORDINATE EXTENT OF SELECTIVE REMOVAL AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. REFERENCE ALL DISCIPLINE DOCUMENTS.
- D. COORDINATE INTERRUPTIONS, SITE LOGISTICS, CUTTING, AND MATERIAL REMOVAL WITH OWNER AND OWNER STANDARDS.
- E. ALL DASHED ITEMS IN RED TO BE REMOVED UNLESS OTHERWISE NOTED.
- F. CONTRACTOR SHALL PATCH SURFACES AFFECTED BY DEMOLITION WITH NEW FINISH MATERIAL TO MATCH EXISTING ADJACENT SURFACES. PRIOR TO SUBMITTING A BID, CONTRACTOR SHALL SURVEY THE EXISTING CONDITIONS TO DETERMINE THE EXTENT OF WORK REQUIRED.
- G. DUST, DEBRIS, AND NOISE CONTROL MUST BE PROVIDED BETWEEN CONSTRUCTION AND NON-CONSTRUCTION AREAS AT ALL TIMES. COORDINATE WITH OWNER AND MECHANICAL SYSTEM REQUIREMENTS.
- H. ALL STRUCTURAL ELEMENTS, INCLUDING BUT NOT LIMITED TO WALLS, SLABS, DECKS, AND COLUMNS TO REMAIN UNLESS OTHERWISE NOTED; PROVIDE PROTECTION IF REQUIRED. REF STRUCTURAL.
- I. REASONABLE EFFORT SHOULD BE MADE TO RECYCLE OR SALVAGE MATERIALS REMOVED.
- J. COORDINATE SALVAGE OF MATERIALS AND/OR FIXTURES WITH OWNER BEFORE REMOVAL PROCESS BEGINS. SALVAGE AND PROTECT IN PLACE DOORS AND HARDWARE.
- K. PROTECT IN PLACE ALL STRUCTURE, SURFACES, FINISHES, DEVICES, DOORS, AND TRIM TO REMAIN.
- L. EXISTING MEMBRANE, BLOCKING, GUTTER, AND FLASHING TO BE REMOVED. PREPARE SURFACES TO RECEIVE NEW ROOFING AND ASSOCIATED ELEMENTS.

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MIKE KEHOE,  
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SHEET TITLE:  
**SELECTIVE  
REMOVAL FLOOR  
PLANS - LEVEL S4 /  
N3**

SHEET NUMBER:

**A-102**



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SHEET TITLE:  
**ARCHITECTURAL  
SITE PLAN**

SHEET NUMBER:

**A-103**

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12 FEB 2020  
CONSTRUCTION  
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**SITE PLAN GENERAL NOTES**

- ALL NEW PLAYGROUND SURFACES TO BE FLUSH AT TRANSITIONS TO OTHER NEW AND EXISTING GROUND SURFACES.
- CONTRACTOR TO CONFIRM ALL RUNNING SLOPES NEVER EXCEED 1:20.
- CONTRACTOR TO CONFIRM ALL CROSS SLOPES NEVER EXCEED 1:48.
- REF CIVIL DWGS FOR PLAYGROUND SURFACING DETAILS. DRAWINGS TO BE REVIEWED BY PLAYGROUND INSPECTOR PRIOR TO ORDERING.
- SMALL PLANTS IN NEW LANDSCAPE BEDS, DEL DESIGN. COORD WITH OWNER. MIN 1-YEAR WARRANTY REQUIRED. PRE-INSTALLATION COORDINATION OF PLAY SURFACE LAYOUTS REQUIRED. GC TO MARK GROUND WITH GEOMETRY INDICATED ON DRAWINGS, AND REVIEW WITH ARCH AND OWNER.
- REFERENCE A-100 FOR SITE ACCESS AND CONSTRUCTION STAGING LOCATIONS.

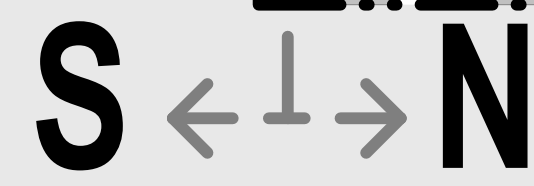
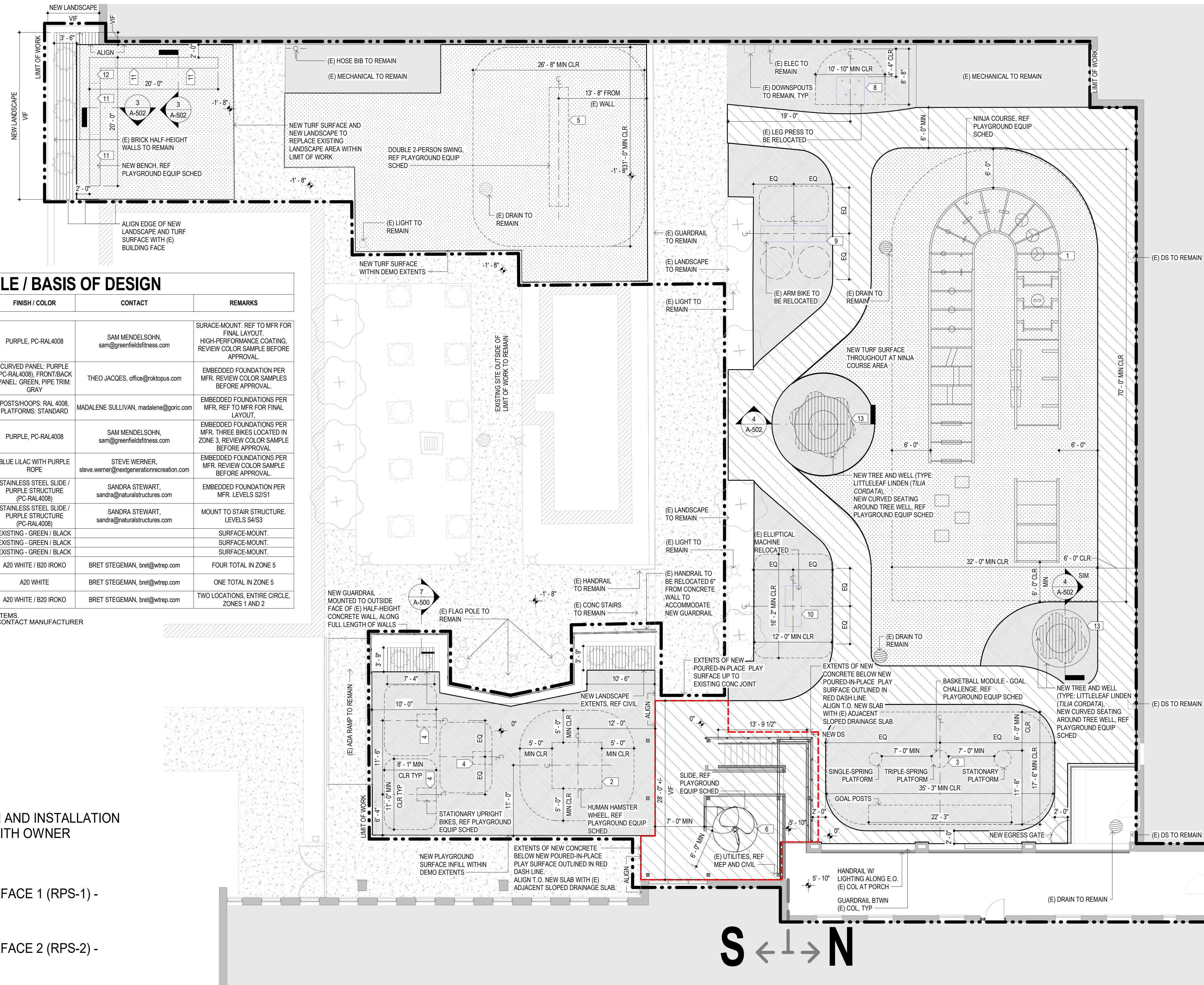
**PLAYGROUND EQUIPMENT SCHEDULE / BASIS OF DESIGN**

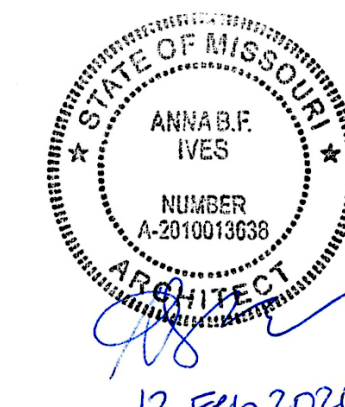
| EQUIP NUMBER | EQUIP TYPE                                      | MANUFACTURER                   | PRODUCT NAME / NUMBER                                    | FINISH / COLOR  | CONTACT  | REMARKS  |
|--------------|---|--------------------------------|--|---|--|--|
| 1            | NINJA COURSE<br>ALTERNATE No. 2                 | GREENFIELDS<br>OUTDOOR FITNESS | NINJA COURSE #4 - NJC4                                   | PURPLE, PC-RAL4008  | SAM MENDELSON,<br>sam@greenfieldsfitness.com               | SURFACE-MOUNT. REF TO MFR FOR FINAL LAYOUT. HIGH-PERFORMANCE COATING. REVIEW COLOR SAMPLE BEFORE APPROVAL. |
| 2            | HUMAN HAMSTER<br>WHEEL<br>ALTERNATE No. 3       | ROKTOPUS                       | SINGLE MOUSE HOUSE - MMH2000                             | CURVED PANEL: PURPLE (PC-RAL4008). FRONT/BACK PANEL: GREEN. PIPE TRIM: GRAY | THEO JACOES, office@roktopus.com                           | EMBEDDED FOUNDATION PER MFR. REVIEW COLOR SAMPLES BEFORE APPROVAL.   |
| 3            | BASKETBALL GOAL<br>CHALLENGE<br>ALTERNATE No. 3 | GORIC                          | GOAL CHALLENGE   | POSTS/HOOPS: RAL 4008. PLATFORMS: STANDARD                                  | MADALENE SULLIVAN, madalene@goric.com                      | EMBEDDED FOUNDATIONS PER MFR. REF TO MFR FOR FINAL LAYOUT.   |
| 4            | STATIONARY BIKE<br>ALTERNATE No. 3              | GREENFIELDS<br>OUTDOOR FITNESS | UPRIGHT STATIONARY BIKE - UBX289-11                      | PURPLE, PC-RAL4008  | SAM MENDELSON,<br>sam@greenfieldsfitness.com               | EMBEDDED FOUNDATIONS PER MFR. THREE BIKES LOCATED IN ZONE 3. REVIEW COLOR SAMPLE BEFORE APPROVAL.          |
| 5            | DOUBLE 2-PERSON<br>SWING<br>ALTERNATE No. 3     | DYNAMO<br>PLAYGROUNDS          | BIGGO SPIA DUO - DX-3275                                 | BLUE LILAC WITH PURPLE ROPE   | STEVE WERNER,<br>steve.werner@nextgenerationrecreation.com | EMBEDDED FOUNDATIONS PER MFR. REVIEW COLOR SAMPLE BEFORE APPROVAL.   |
| 6            | LOWER SLIDE<br>ALTERNATE No. 1                  | NATURAL<br>STRUCTURES          | CUSTOM 36" ID ENCLOSED FLUME SLIDE FOR S1-S2 LOWER LEVEL | STAINLESS STEEL SLIDE / PURPLE STRUCTURE (PC-RAL4008)                       | SANDRA STEWART,<br>sandra@naturalstructures.com            | EMBEDDED FOUNDATION PER MFR. LEVELS S2/S1  |
| 7            | UPPER SLIDE                                     | NATURAL<br>STRUCTURES          | CUSTOM 36" ID ENCLOSED FLUME SLIDE FOR S3-S4 UPPER LEVEL | STAINLESS STEEL SLIDE / PURPLE STRUCTURE (PC-RAL4008)                       | SANDRA STEWART,<br>sandra@naturalstructures.com            | MOUNT TO STAIR STRUCTURE. LEVELS S4/S3   |
| 8            | LEG PRESS                                       | EXISTING                       | EXISTING   | EXISTING - GREEN / BLACK  |  | SURFACE-MOUNT.   |
| 9            | ARM BIKE  | EXISTING                       | EXISTING   | EXISTING - GREEN / BLACK  |  | SURFACE-MOUNT.   |
| 10           | ELLIPTICAL MACHINE                              | EXISTING                       | EXISTING   | EXISTING - GREEN / BLACK  |  | SURFACE-MOUNT.   |
| 11           | LINEAR CONCRETE<br>BENCH                        | WAUSAU                         | URBASTYLE WOODLINE ZB.WL.10                              | A20 WHITE / B20 IROKO   | BRET STEGEMAN, bret@wtrep.com                              | FOUR TOTAL IN ZONE 5   |
| 12           | CORNER CONCRETE<br>BENCH                        | WAUSAU                         | URBASTYLE WOODLINE ZB.WL.04                              | A20 WHITE   | BRET STEGEMAN, bret@wtrep.com                              | ONE TOTAL IN ZONE 5  |
| 13           | CURVED CONCRETE<br>BENCH                        | WAUSAU                         | URBASTYLE WOODLINE ZB.WL.32                              | A20 WHITE / B20 IROKO   | BRET STEGEMAN, bret@wtrep.com                              | TWO LOCATIONS, ENTIRE CIRCLE. ZONES 1 AND 2  |

PLAYGROUND EQUIPMENT ITEM 1, 2, 3, 4, 5, AND 6 ARE APPROVED SOLE SOURCE ITEMS. REFER TO APPENDIX 4 FOR PLAYGROUND EQUIPMENT PRODUCT INFORMATION. CONTACT MANUFACTURER PROVIDED IN TABLE FOR MORE INFORMATION.

**PLAYGROUND SURFACE TYPES**

- NEW LANDSCAPE - PLANT SELECTION AND INSTALLATION DELEGATED DESIGN, COORDINATE WITH OWNER
- NEW TURF SURFACE (TS-1)
- NEW POURED-IN-PLACE RUBBER SURFACE 1 (RPS-1) - COLOR: LIGHT GREY
- NEW POURED-IN-PLACE RUBBER SURFACE 2 (RPS-2) - COLOR: PURPLE





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EGRESS STAIR

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SCHOOL FOR THE BLIND  
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SAINT LOUIS, MO 63110

PROJECT # E2332-01  
ASSET # 5012011017

REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE:  
DRAWN BY: API  
CHECKED BY: ABI  
DESIGNED BY: API

SHEET TITLE:  
**ARCHITECTURAL  
SITE PLAN -  
PLAYGROUND  
SURFACING**

SHEET NUMBER:

**A-104**

**SITE PLAN GENERAL NOTES**

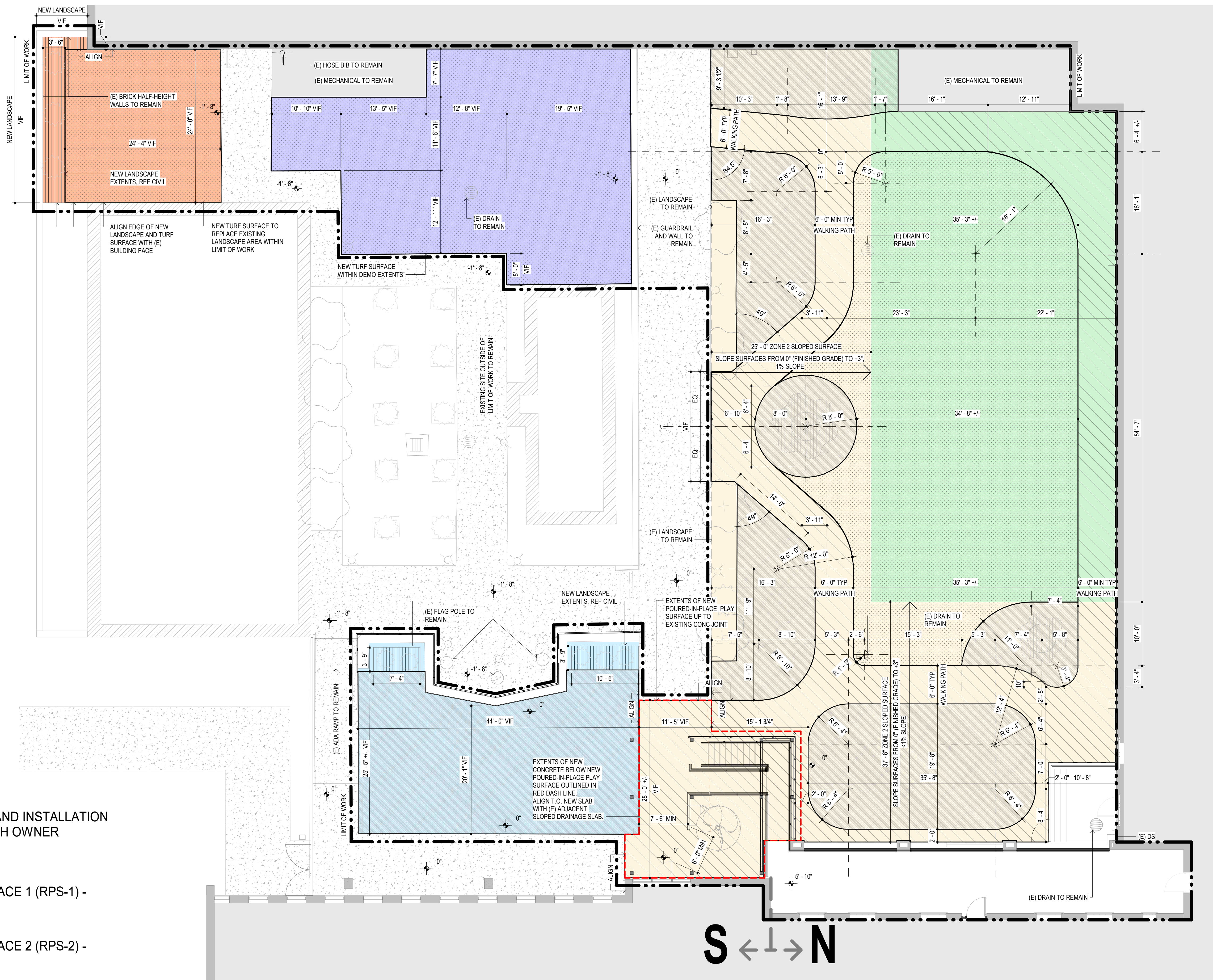
- ALL NEW PLAYGROUND SURFACES TO BE FLUSH AT TRANSITIONS TO OTHER NEW AND EXISTING GROUND SURFACES.
- CONTRACTOR TO CONFIRM ALL RUNNING SLOPES NEVER EXCEED 1:20.
- CONTRACTOR TO CONFIRM ALL CROSS SLOPES NEVER EXCEED 1:48.
- REF CIVIL DWGS FOR PLAYGROUND SURFACING DETAILS. DRAWINGS TO BE REVIEWED BY PLAYGROUND INSPECTOR PRIOR TO ORDERING.
- SMALL PLANTS IN NEW LANDSCAPE BEDS, DEL DESIGN. COORD WITH OWNER. MIN 1-YEAR WARRANTY REQUIRED. PRE-INSTALLATION COORDINATION OF PLAY SURFACE LAYOUTS REQUIRED. GC TO MARK GROUND WITH GEOMETRY INDICATED ON DRAWINGS, AND REVIEW WITH ARCH AND OWNER.

**PLAYGROUND SURFACE ZONES**

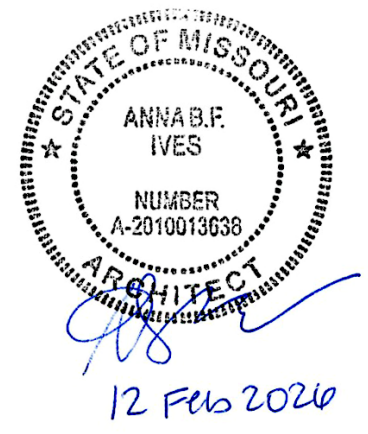
- ZONE 1**
- (E) CONCRETE BASE
  - 10'-0" FALL HEIGHT
  - FFE = 3" ABOVE FINISHED GRADE (PER MFR)
  - 5" SYSTEM (PER MFR)
  - TS-1 SF: 2,318 SF VIF
  - RPS-1 SF: 850 SF VIF
  - RPS-2 SF: 43 SF VIF
- ZONE 2**
- (E) CONCRETE BASE
  - 1% SLOPED SYSTEM
  - 4'-0" FALL HEIGHT AT (E) CONC TRANSITION UP TO 10'-0" FALL HEIGHT AT ZONE 1 TRANSITION
  - FFE = MATCH FINISHED GRADE (0'-0") AT (E) CONC TRANSITION UP TO 3" ABOVE FINISHED GRADE AT ZONE 1 TRANSITION (PER MFR)
  - 2" SYSTEM AT (E) CONC TRANSITION UP TO 5" SYSTEM AT ZONE 1 TRANSITION (PER MFR)
  - TS-1 SF: 419 SF VIF
  - RPS-1 SF: 2,215 SF VIF
  - RPS-2 SF: 2,086 SF VIF
- ZONE 3**
- NEW 4" AGGREGATE BASE BY MFR
  - 4'-0" FALL HEIGHT
  - FFE = MATCH FINISHED GRADE (0'-0")
  - 2" SYSTEM (PER MFR)
  - RPS-2 SF: 1030 SF VIF
- ZONE 4**
- NEW 4" AGGREGATE BASE BY MFR
  - 8'-0" FALL HEIGHT
  - FFE = MATCH FINISHED GRADE (-1'-8")
  - 4" SYSTEM (PER MFR)
  - TS-1 SF: 1580 SF VIF
- ZONE 5**
- NEW 4" AGGREGATE BASE BY MFR
  - NO FALL HEIGHT
  - NAIL BOARD AND AGGREGATE 1/2" BELOW FINISHED GRADE (PER MFR)
  - FFE = MATCH FINISHED GRADE (-1'-8")
  - TS-1 SF: 590 SF VIF

**PLAYGROUND SURFACE TYPES**

- NEW LANDSCAPE - PLANT SELECTION AND INSTALLATION DELEGATED DESIGN, COORDINATE WITH OWNER
- NEW TURF SURFACE (TS-1)
- NEW POURED-IN-PLACE RUBBER SURFACE 1 (RPS-1) - COLOR: LIGHT GREY
- NEW POURED-IN-PLACE RUBBER SURFACE 2 (RPS-2) - COLOR: PURPLE



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PROJECT # E2332-01  
ASSET # 5012011017

REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE:  
DRAWN BY: EJC  
CHECKED BY: ABI  
DESIGNED BY: API

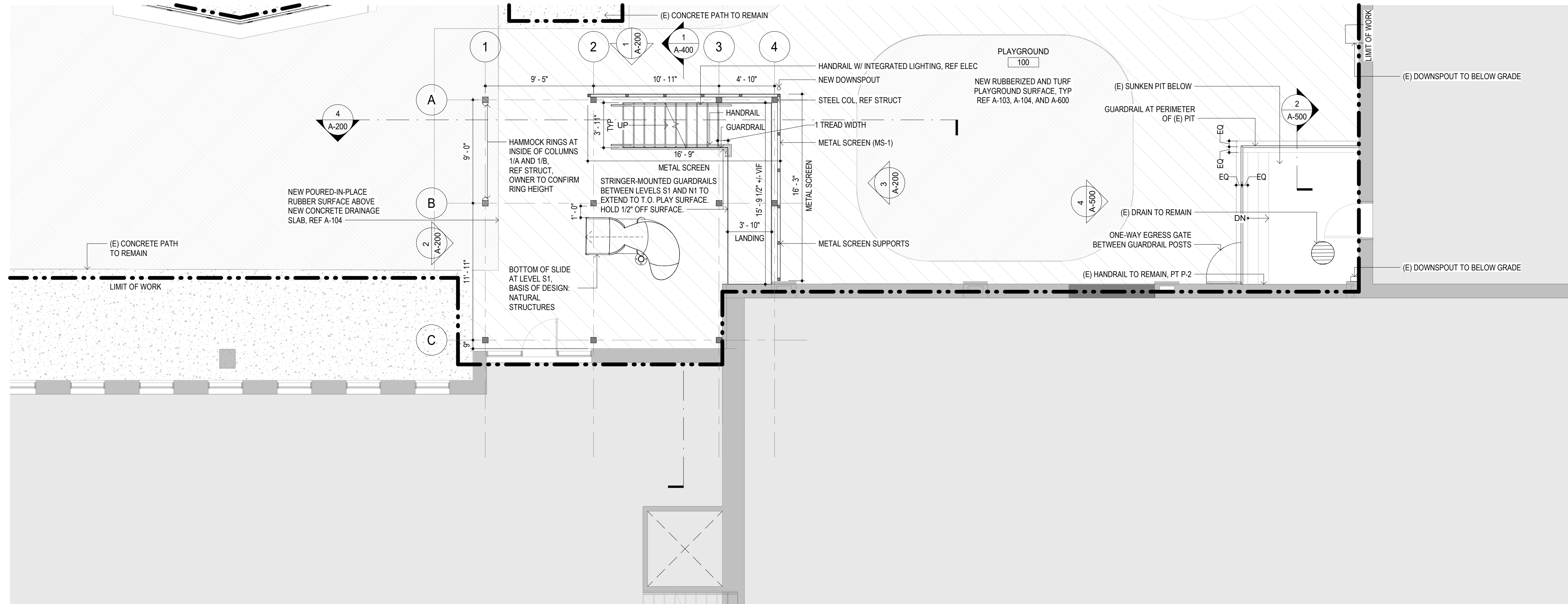
SHEET TITLE:  
**FLOOR PLANS -  
LEVEL S1 & LEVEL  
S2 / N1**

SHEET NUMBER:

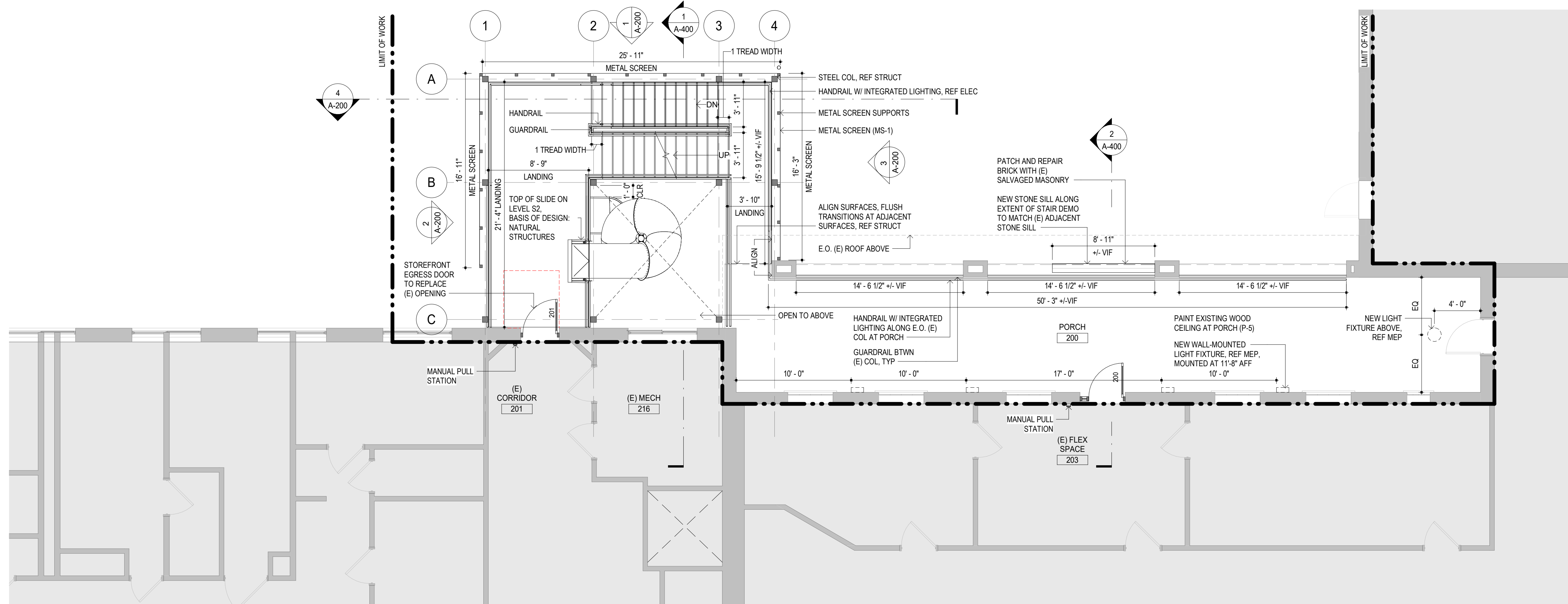
**A-105**

FLOOR PLAN GENERAL NOTES

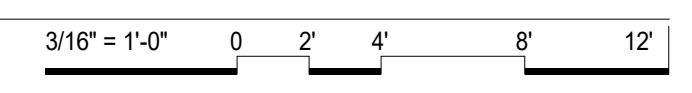
- A. REFERENCE PROJECT GENERAL NOTES ON SHEET G-002.
- B. ALL STAIR DIMENSIONS TAKEN FROM OUTSIDE EDGE OF STEEL PLATE STRINGER.
- C. ALL STEEL MEMBERS WITH HIGH-PERFORMANCE COATING, UON.
- D. REFERENCE SHEET A-600 FOR FINISH FLOOR PLAN AND MATERIAL LEGEND.
- E. ALL HANDRAILS AND GUARDRAILS TO BE CONTINUOUS.
- F. INTEGRATED HANDRAIL LIGHTING ONLY AT ONE SIDE OF STAIR RUN, AS INDICATED ON ELEC DRAWINGS. LIGHTING MODULES SPACED EVERY 2'-0", REF ELEC.
- G. HANDRAILS ALONG PORCH AND TERRACE HAVE CONTINUOUS INTEGRATED LIGHTING SPACED EVERY 2'-0", REF ELEC.
- H. REF A-601 FOR ALL DOOR DETAILS.
- I. METAL STAIR COMPONENTS, GUARDRAILS, AND HANDRAILS DELEGATED DESIGN, REF A-500 AND SPEC.
- J. FULL ISOLATION OF NON-SIMILAR METALS. NON-METALLIC SHIM AT FASTENER LOCATIONS OR ISOLATION MEMBRANE BETWEEN NON-SIMILAR METALS TO PREVENT GALVANIC ACTION.
- K. REFERENCE AND COORDINATE WITH SELECTIVE REMOVAL DOCUMENTS IN ALL DISCIPLINES INCLUDING BUT NOT LIMITED TO ARCH, MEPP, STRUCT AND CIVIL.
- L. PAINT COMPLETE WALL, EDGE TO EDGE. WHERE AN INTERIOR WALL SURFACE IS DISTURBED BY INSTALLATION OF A NEW DOOR OPENING. MATCH EXISTING PAINT COLOR IN EACH LOCATION.
- M. PROTECT SURFACES ADJACENT NEW DOOR OPENINGS IN MASONRY WALLS. UTILIZE HAND TOOLS/SMALL POWER TOOLS TO MINIMIZE DISTURBANCE OF MASONRY TO REMAIN. PATCH AND REPAIR MASONRY AS REQUIRED TO RECEIVE A NEW PLASTER FINISH AND PAINT.
- N. FIRE RESISTANCE PARTITION RATING SHALL BE CONTINUOUS (FLOOR TO STRUCTURE). ALL OPENINGS, PENETRATIONS, GAPS OR NON-CONTINUOUS CONSTRUCTION SHALL BE REPAIRED AND PATCHED WITH UL-LISTED SYSTEM TO MAINTAIN REQUIRED RATING.
- O. ALL NEW STRUCTURAL STEEL DIMENSIONS ARE TO BE FIXED. VIF DIMENSIONS INDICATED ARE TO ADDRESS EXISTING CONSTRUCTION.



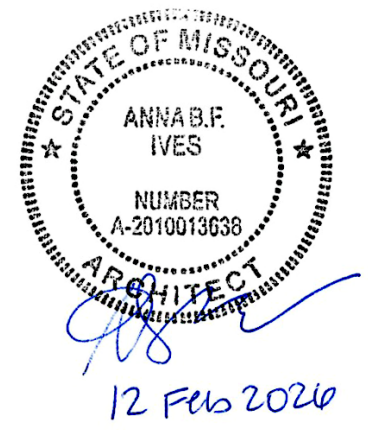
1 LEVEL S1 (PLAYGROUND)  
A-105 3/16" = 1'-0"



2 LEVEL S2 / N1 (HEALTH CENTER / PORCH)  
A-105 3/16" = 1'-0"



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PROJECT # E2332-01  
ASSET # 5012011017

REVISION:  
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REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE:  
DRAWN BY: EJC  
CHECKED BY: ABI  
DESIGNED BY: API

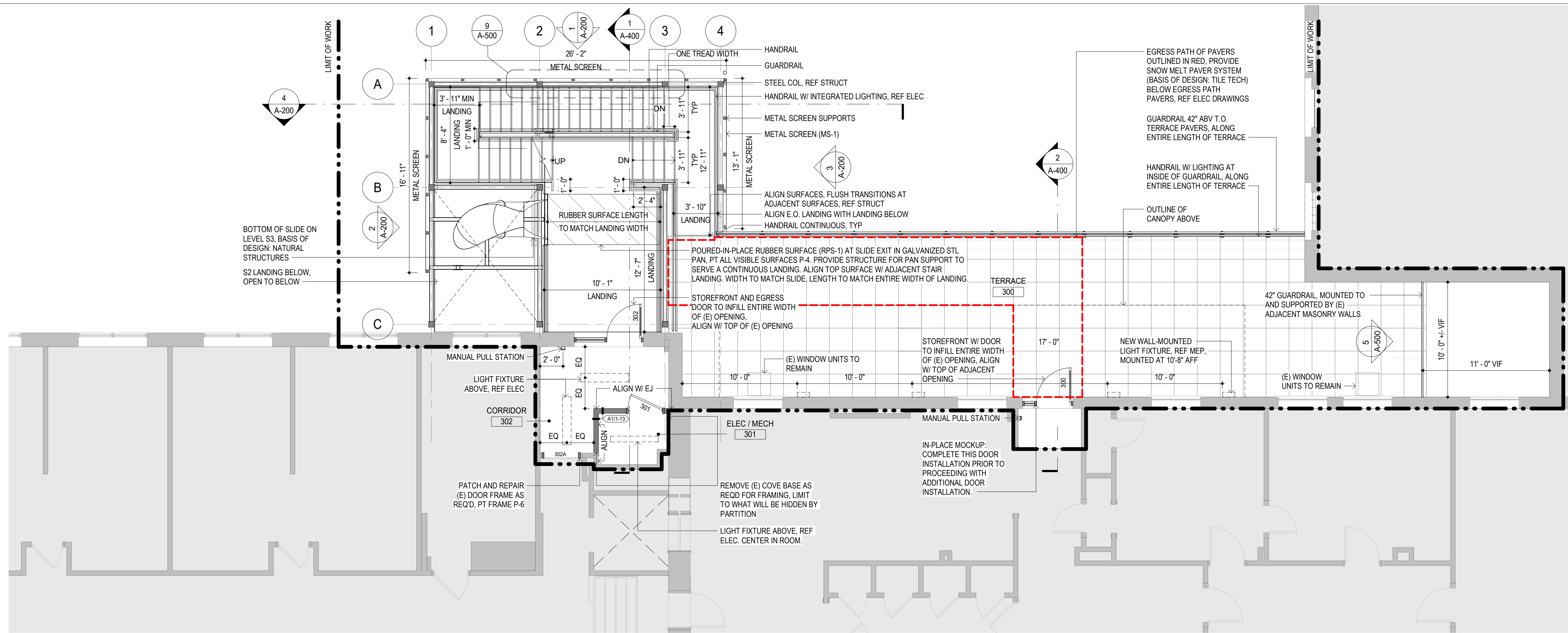
SHEET TITLE:  
**FLOOR PLANS -  
LEVEL S3 / N2 &  
LEVEL S4 / N3**

SHEET NUMBER:

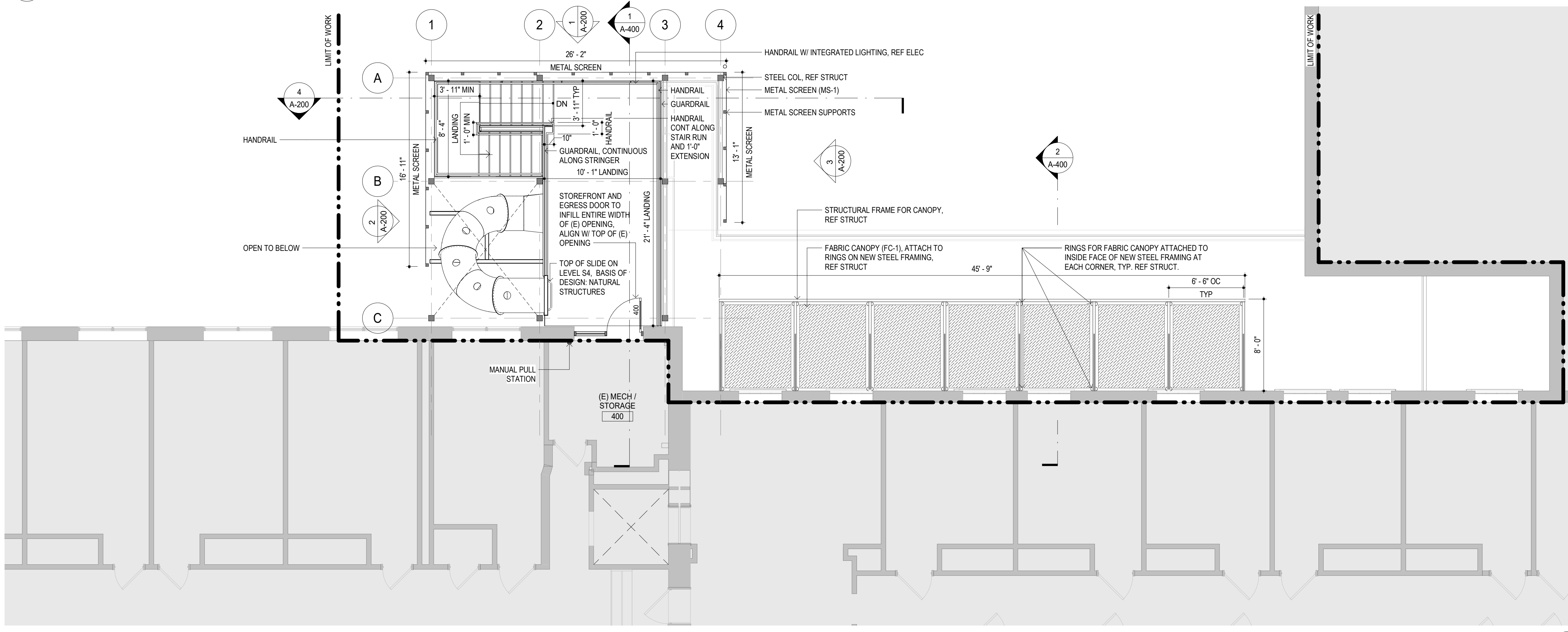
**A-106**

FLOOR PLAN GENERAL NOTES

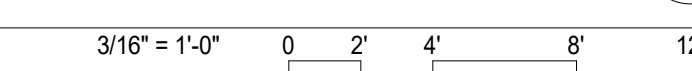
- A. REFERENCE PROJECT GENERAL NOTES ON SHEET G-002.
- B. ALL STAIR DIMENSIONS TAKEN FROM OUTSIDE EDGE OF STEEL PLATE STRINGER.
- C. ALL STEEL MEMBERS WITH HIGH-PERFORMANCE COATING, UNLESS NOTED OTHERWISE.
- D. REFERENCE SHEET A-600 FOR FINISH FLOOR PLAN AND MATERIAL LEGEND.
- E. ALL HANDRAILS AND GUARDRAILS TO BE CONTINUOUS. INTEGRATED HANDRAIL LIGHTING ONLY AT ONE SIDE OF STAIR RUN, AS INDICATED ON ELEC DRAWINGS. LIGHTING MODULES SPACED EVERY 2'-0". REF ELEC.
- F. HANDRAILS ALONG PORCH AND TERRACE HAVE CONTINUOUS INTEGRATED LIGHTING SPACED EVERY 2'-0". REF ELEC.
- G. REF A-601 FOR ALL DOOR DETAILS.
- H. METAL STAIR COMPONENTS, GUARDRAILS, AND HANDRAILS DELEGATED DESIGN, REF A-500 AND SPEC.
- I. FULL ISOLATION OF NON-SIMILAR METALS. NON-METALLIC SHIM AT FASTENER LOCATIONS OR ISOLATION MEMBRANE BETWEEN NON-SIMILAR METALS TO PREVENT GALVANIC ACTION.
- J. REFERENCE AND COORDINATE WITH SELECTIVE REMOVAL DOCUMENTS IN ALL DISCIPLINES INCLUDING BUT NOT LIMITED TO ARCH, MEPP, STRUCT AND CIVIL.
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- M. FIRE RESISTANCE PARTITION RATING SHALL BE CONTINUOUS (FLOOR TO STRUCTURE). ALL OPENINGS, PENETRATIONS, GAPS OR NON-CONTINUOUS CONSTRUCTION SHALL BE REPAIRED AND PATCHED WITH UL-LISTED SYSTEM TO MAINTAIN REQUIRED RATING.
- N. ALL NEW STRUCTURAL STEEL DIMENSIONS ARE TO BE FIXED. VIF DIMENSIONS INDICATED ARE TO ADDRESS EXISTING CONSTRUCTION.



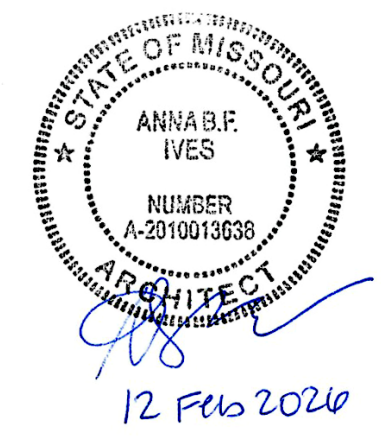
1 LEVEL S3 / N2 (E DORM / LIFE DORM)  
A-106 3/16" = 1'-0"



2 LEVEL S4 / N3 (F DORM)  
A-106 3/16" = 1'-0"



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PROJECT # E2332-01  
ASSET # 5012011017

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DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE:  
DRAWN BY: EJC  
CHECKED BY: ABI  
DESIGNED BY: API

SHEET TITLE:  
**ROOF PLANS**

SHEET NUMBER:

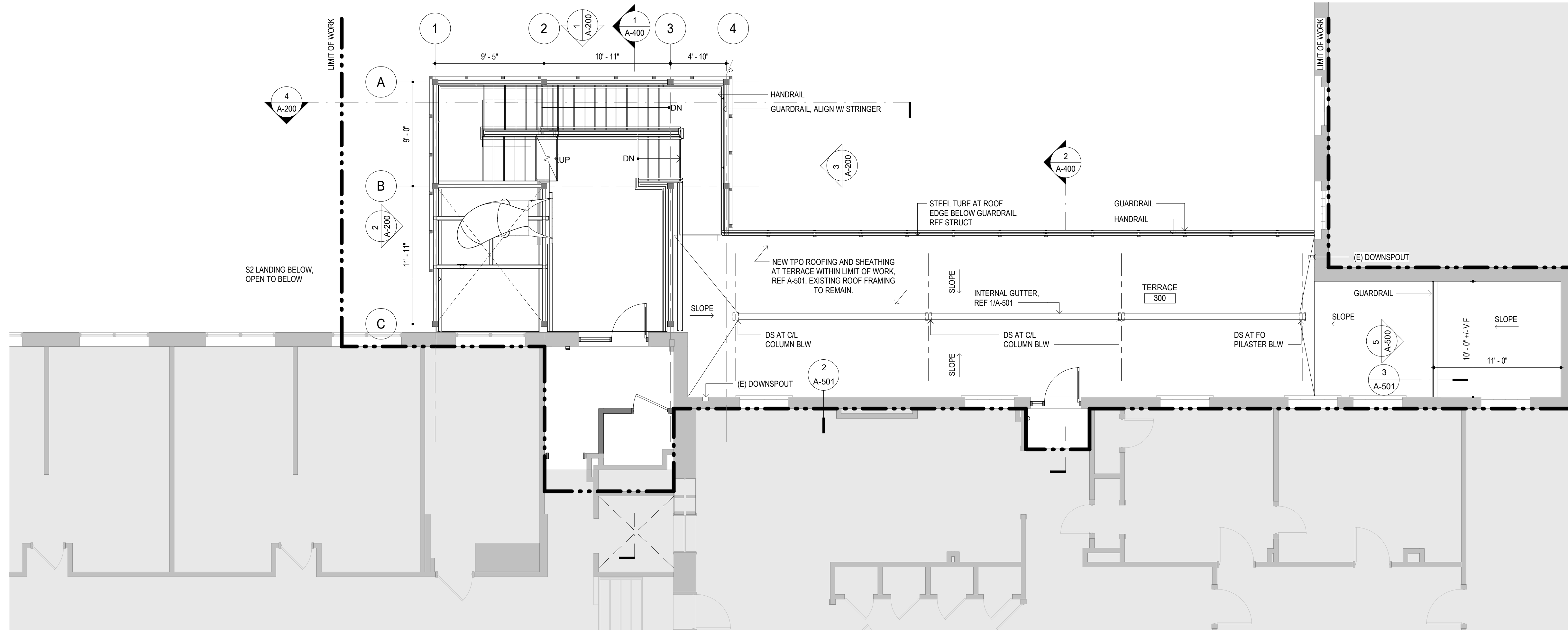
**A-107**

FLOOR PLAN GENERAL NOTES

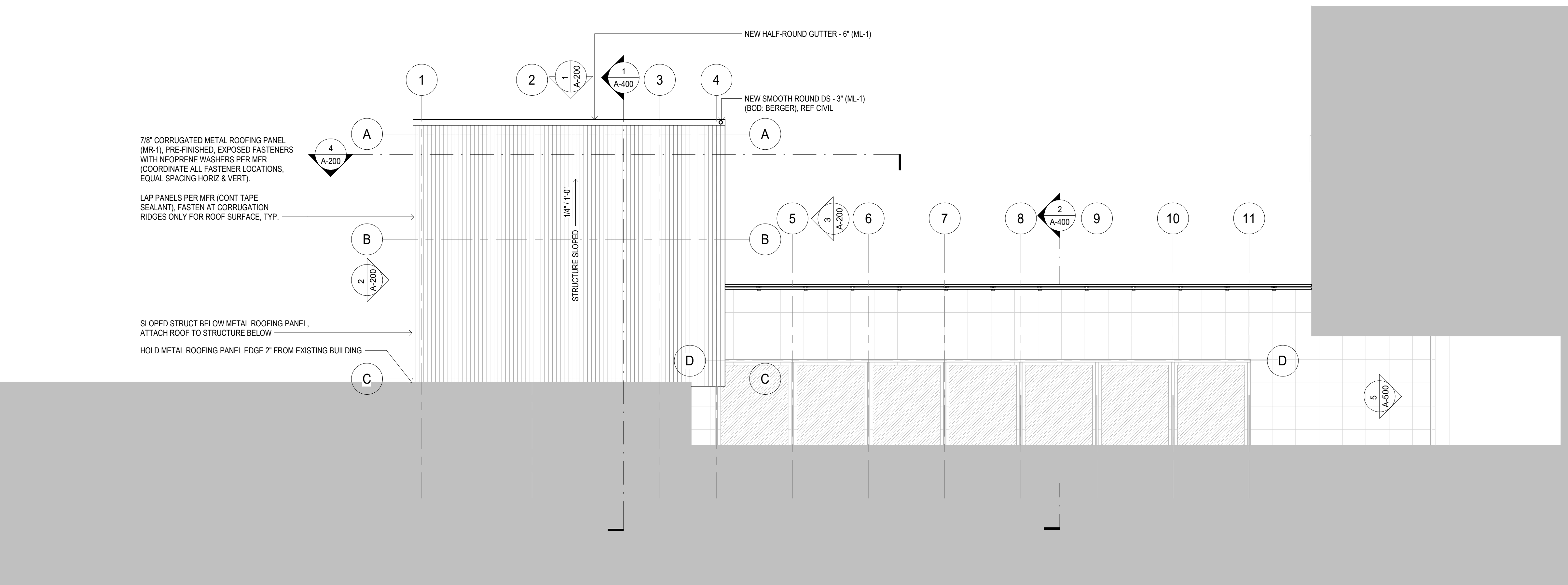
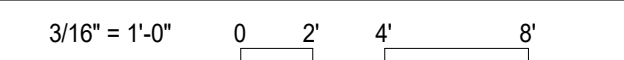
- A. REFERENCE PROJECT GENERAL NOTES ON SHEET G-002.
- B. ALL STAIR DIMENSIONS TAKEN FROM OUTSIDE EDGE OF STEEL PLATE STRINGER.
- C. ALL STEEL MEMBERS WITH HIGH-PERFORMANCE COATING, UNO.
- D. REFERENCE SHEET A-600 FOR FINISH FLOOR PLAN AND MATERIAL LEGEND.
- E. ALL HANDRAILS AND GUARDRAILS TO BE CONTINUOUS. INTEGRATED HANDRAIL LIGHTING ONLY AT ONE SIDE OF STAIR RUN. AS INDICATED ON ELEC DRAWINGS. LIGHTING MODULES SPACED EVERY 2'-0", REF ELEC.
- F. HANDRAILS ALONG PORCH AND TERRACE HAVE CONTINUOUS INTEGRATED LIGHTING SPACED EVERY 2'-0", REF ELEC.
- G. REF A-601 FOR ALL DOOR DETAILS.
- H. METAL STAIR COMPONENTS, GUARDRAILS, AND HANDRAILS DELEGATED DESIGN, REF A-500 AND SPEC.
- I. FULL ISOLATION OF NON-SIMILAR METALS. NON-METALLIC SHIM AT FASTENER LOCATIONS OR ISOLATION MEMBRANE BETWEEN NON-SIMILAR METALS TO PREVENT GALVANIC ACTION.
- J. REFERENCE AND COORDINATE WITH SELECTIVE REMOVAL DOCUMENTS IN ALL DISCIPLINES INCLUDING BUT NOT LIMITED TO ARCH, MEPPF, STRUCT AND CIVIL.
- K. PAINT COMPLETE WALL, EDGE TO EDGE, WHERE AN INTERIOR WALL SURFACE IS DISTURBED BY INSTALLATION OF A NEW DOOR OPENING. MATCH EXISTING PAINT COLOR IN EACH LOCATION.
- L. PROTECT SURFACES ADJACENT NEW DOOR OPENINGS IN MASONRY WALLS. UTILIZE HAND TOOLS/SMALL POWER TOOLS TO MINIMIZE DISTURBANCE OF MASONRY TO REMAIN. PATCH AND REPAIR MASONRY AS REQUIRED TO RECEIVE A NEW PLASTER FINISH AND PAINT.
- M. FIRE RESISTANCE PARTITION RATING SHALL BE CONTINUOUS (FLOOR TO STRUCTURE). ALL OPENINGS, PENETRATIONS, GAPS OR NON-CONTINUOUS CONSTRUCTION SHALL BE REPAIRED AND PATCHED WITH UL-LISTED SYSTEM TO MAINTAIN REQUIRED RATING.
- N. ALL NEW STRUCTURAL STEEL DIMENSIONS ARE TO BE FIXED. VIF DIMENSIONS INDICATED ARE TO ADDRESS EXISTING CONSTRUCTION.

FLOOR PLAN GENERAL NOTES

- A. REFERENCE AND COORDINATE WITH SELECTIVE REMOVAL DOCUMENTS IN ALL DISCIPLINES INCLUDING BUT NOT LIMITED TO ARCH, MEPPF, STRUCT AND CIVIL.
- B. REFER TO DETAILS ON SHEET A501. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, LOCATIONS, AND QUANTITIES. CONTRACTOR TO COORDINATION INCLUDES BUT IS NOT LIMITED TO STRUCTURAL, ROOFING, ENTRANCE SYSTEM, AND PEDESTAL SYSTEM REQUIREMENTS INCLUDING SNOW MELT. COMPLETE ROOF CORE WHERE INDICATED IN PLAN AND DETAIL TO DETERMINE EXISTING ROOF CONDITION PRIOR TO DEMOLITION.
- C. INSTALL NEW WOOD BLOCKING TO ACCOMMODATE NEW INSULATION HEIGHTS, EDGE DETAILS, AND BASE FLASHINGS. ANCHOR ALL WOOD BLOCKING IN ACCORDANCE WITH SECTION I-39 OF THE FACTORY MUTUAL LOSS PRESENTATION DATA GUIDE FOR ROOFING CONTRACTORS.
- D. PROTECT THE ROOF AREAS FROM CONSTRUCTION-RELATED TRAFFIC, DAMAGE, STAINS AND DISCOLORATION DURING CONSTRUCTION.

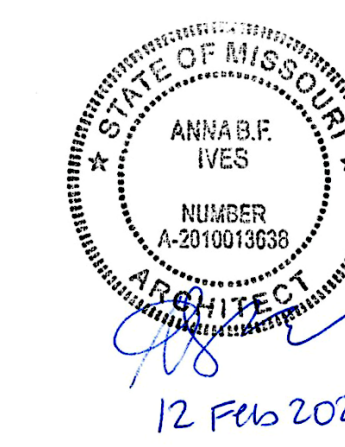


1 ROOF PLAN - PORCH ROOF BELOW PAVERS  
A-107 3/16" = 1'-0"



2 ROOF PLAN - STAIR ROOF  
3/16" = 1'-0"

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EGRESS STAIR

MISSOURI  
SCHOOL FOR THE BLIND  
3815 MAGNOLIA AVENUE  
SAINT LOUIS, MO 63110

PROJECT # E2332-01  
ASSET # 5012011017

REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE:  
DRAWN BY: EJC  
CHECKED BY: ABI  
DESIGNED BY: API

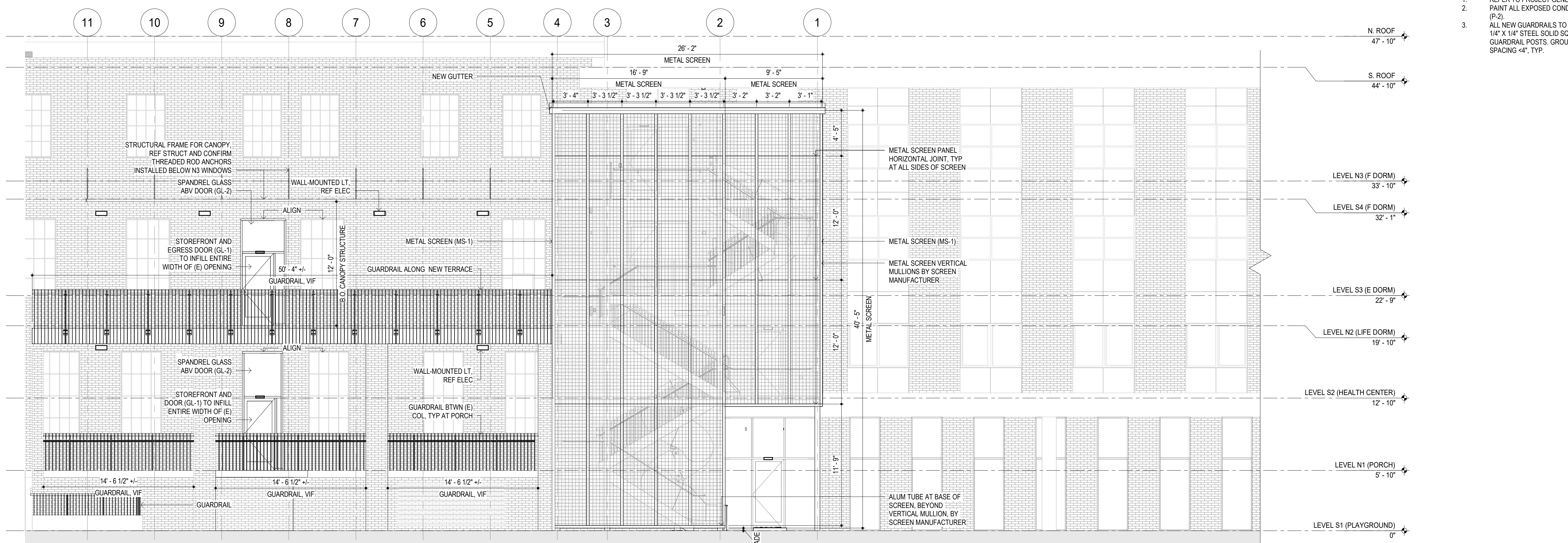
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**STAIR  
ELEVATIONS AND  
SECTION**

SHEET NUMBER:

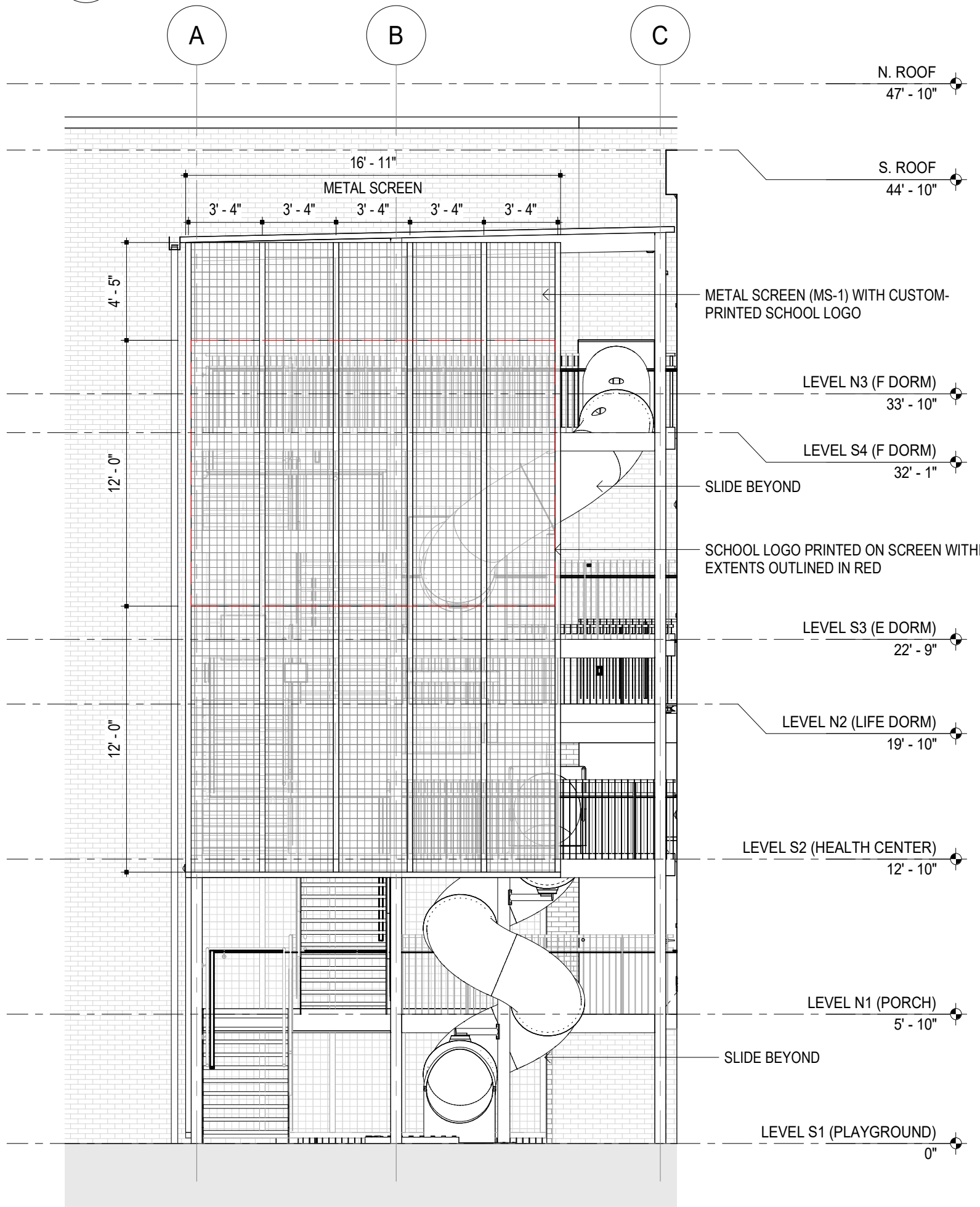
**A-200**

ELEVATION GENERAL NOTES

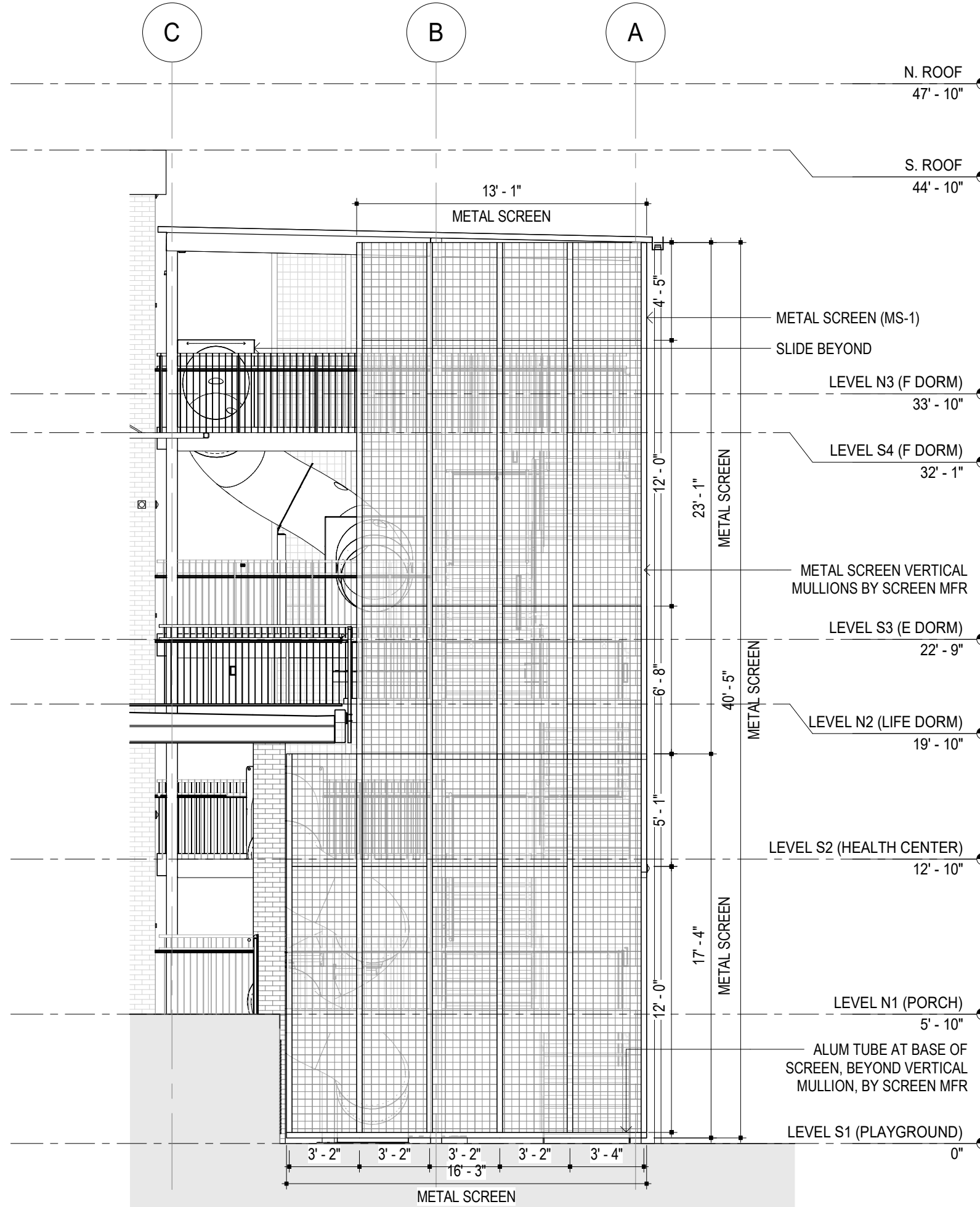
- REFER TO PROJECT GENERAL NOTES ON SHEET G-002.
- PAINT ALL EXPOSED CONDUIT TO MATCH LT FIXTURE FINISH (P-2).
- ALL NEW GUARDRAILS TO INCLUDE GUARDRAIL SCREEN, 1/4" X 1/4" STEEL SOLID SQUARE BARS WELDED TO STEEL GUARDRAIL POSTS. GROUND SMOOTH ALL WELDS. RAIL SPACING 4", TYP.



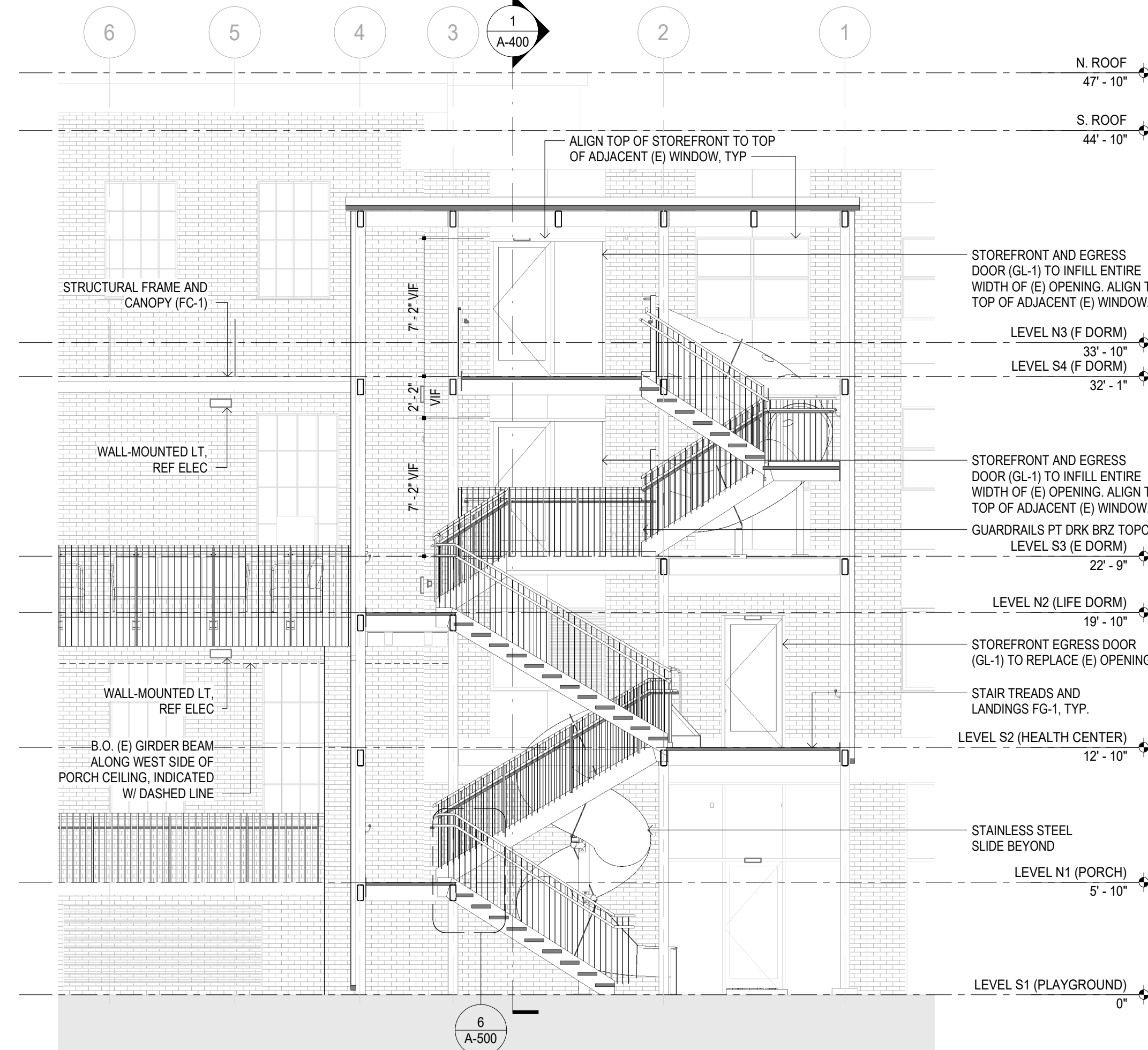
1 WEST ELEVATION  
A-200 3/16" = 1'-0"



2 SOUTH STAIR ELEVATION  
A-200 3/16" = 1'-0"



3 NORTH STAIR ELEVATION  
A-200 3/16" = 1'-0"



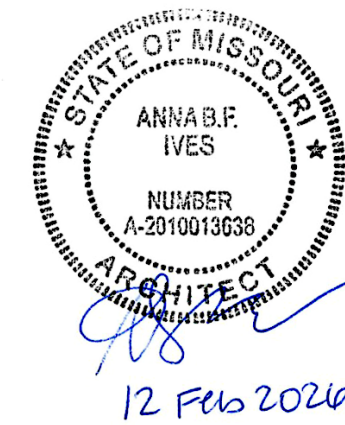
4 LONGITUDINAL STAIR SECTION  
A-200 3/16" = 1'-0"

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**WALL SECTIONS GENERAL NOTES**

- A. REFERENCE PROJECT GENERAL NOTES ON SHEET G-002.
- B. REF A-601 FOR ALL DOOR DETAILS.

STATE OF MISSOURI  
MIKE KEHOE,  
GOVERNOR



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EGRESS STAIR

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SCHOOL FOR THE BLIND  
3815 MAGNOLIA AVENUE  
SAINT LOUIS, MO 63110

PROJECT # E2332-01  
ASSET # 5012011017

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DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

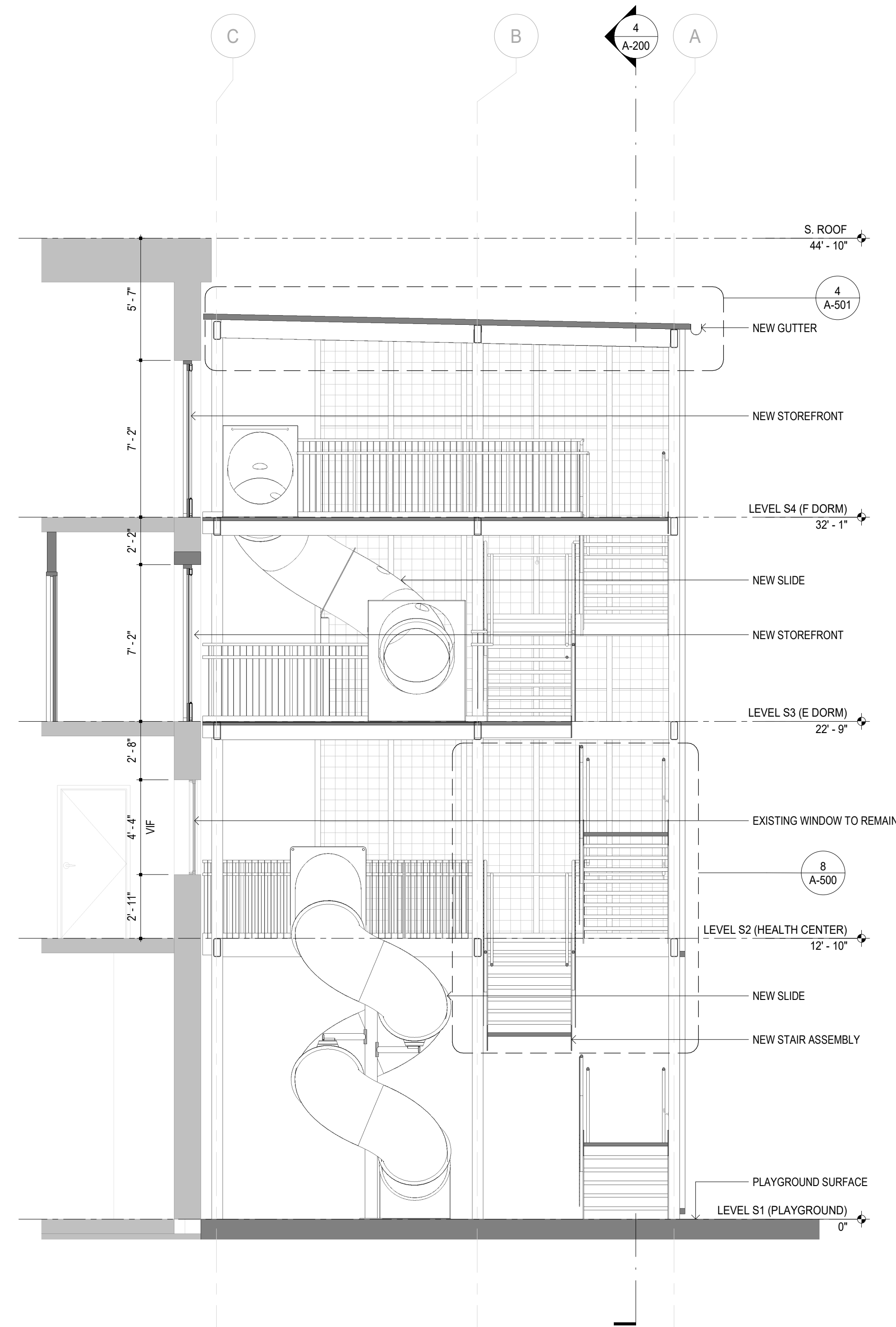
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DESIGNED BY: API

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**WALL SECTIONS**

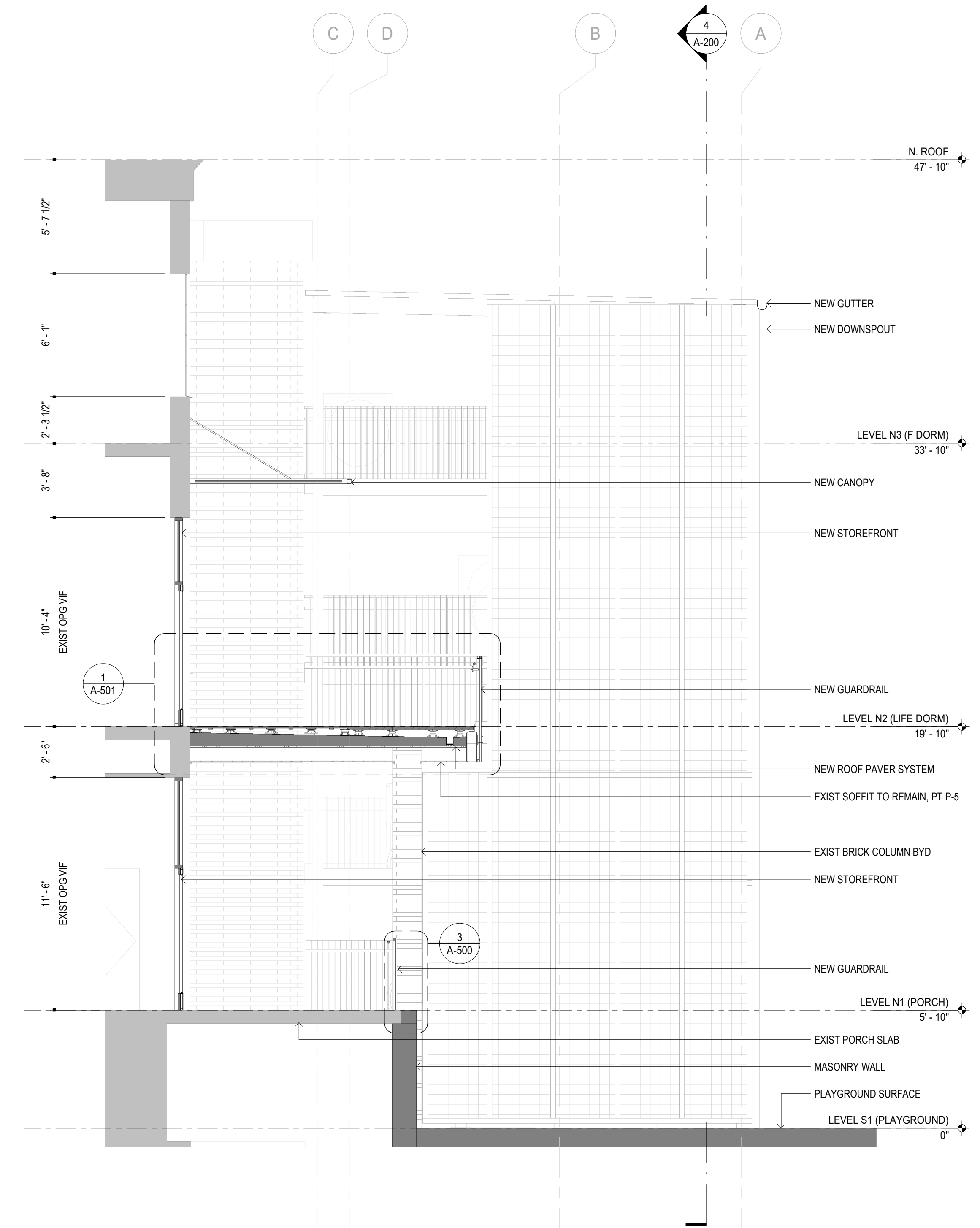
SHEET NUMBER:

**A-400**

Page 28 of 44 CONSTRUCTION  
12 FEB 2026 DOCUMENTS - BID



1 WALL SECTION - STAIR AT S3 DOOR INTO E DORM  
A-400 1/4" = 1'-0"



2 WALL SECTION - PORCH AT NEW N2 DOOR INTO LIFE DORM  
A-400 1/4" = 1'-0"



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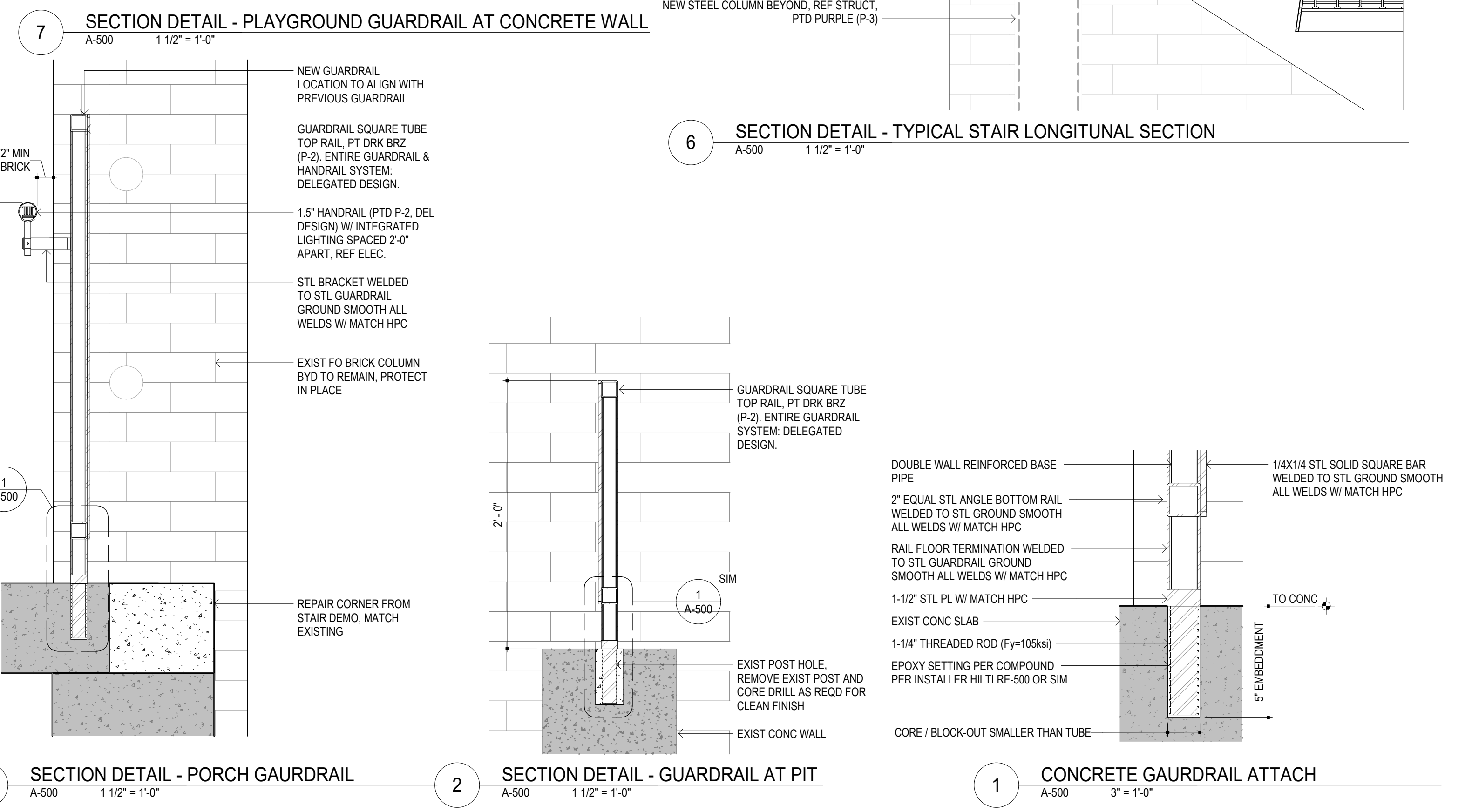
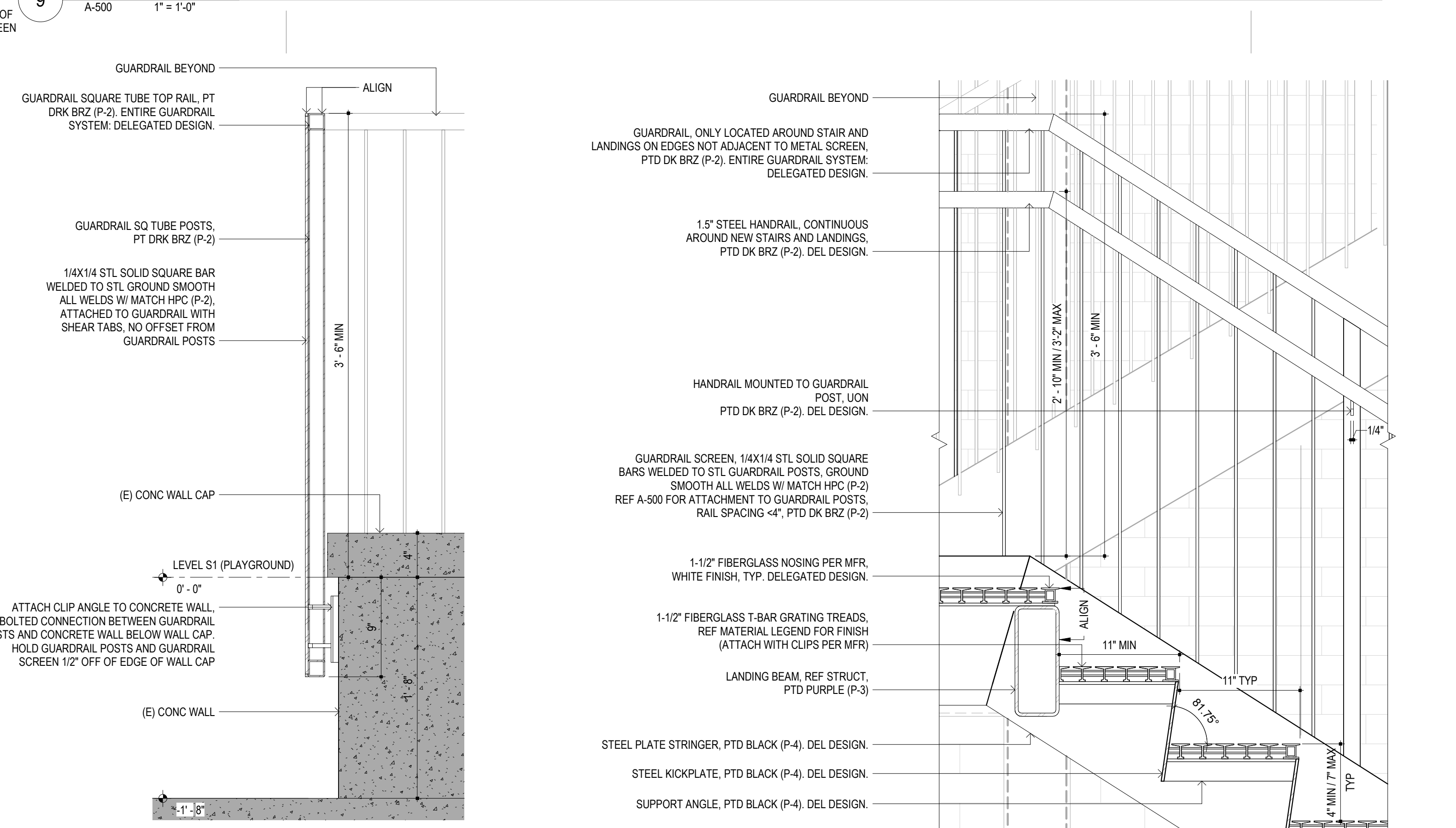
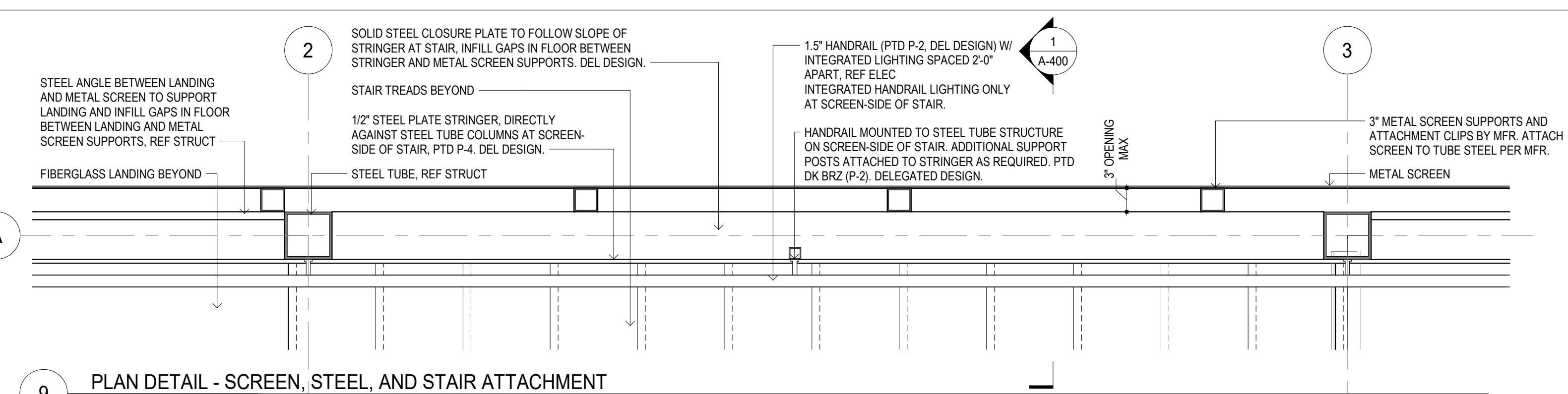
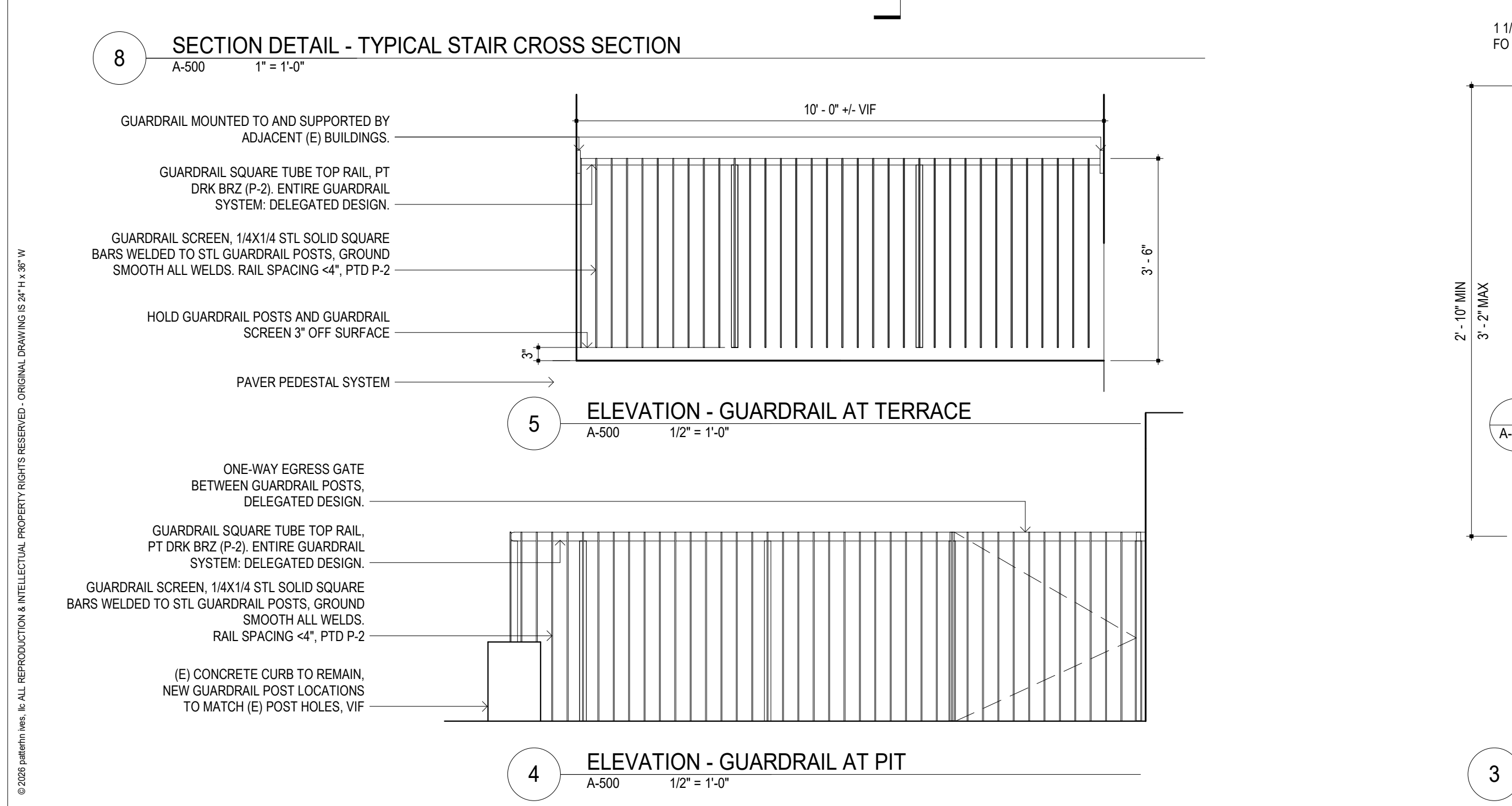
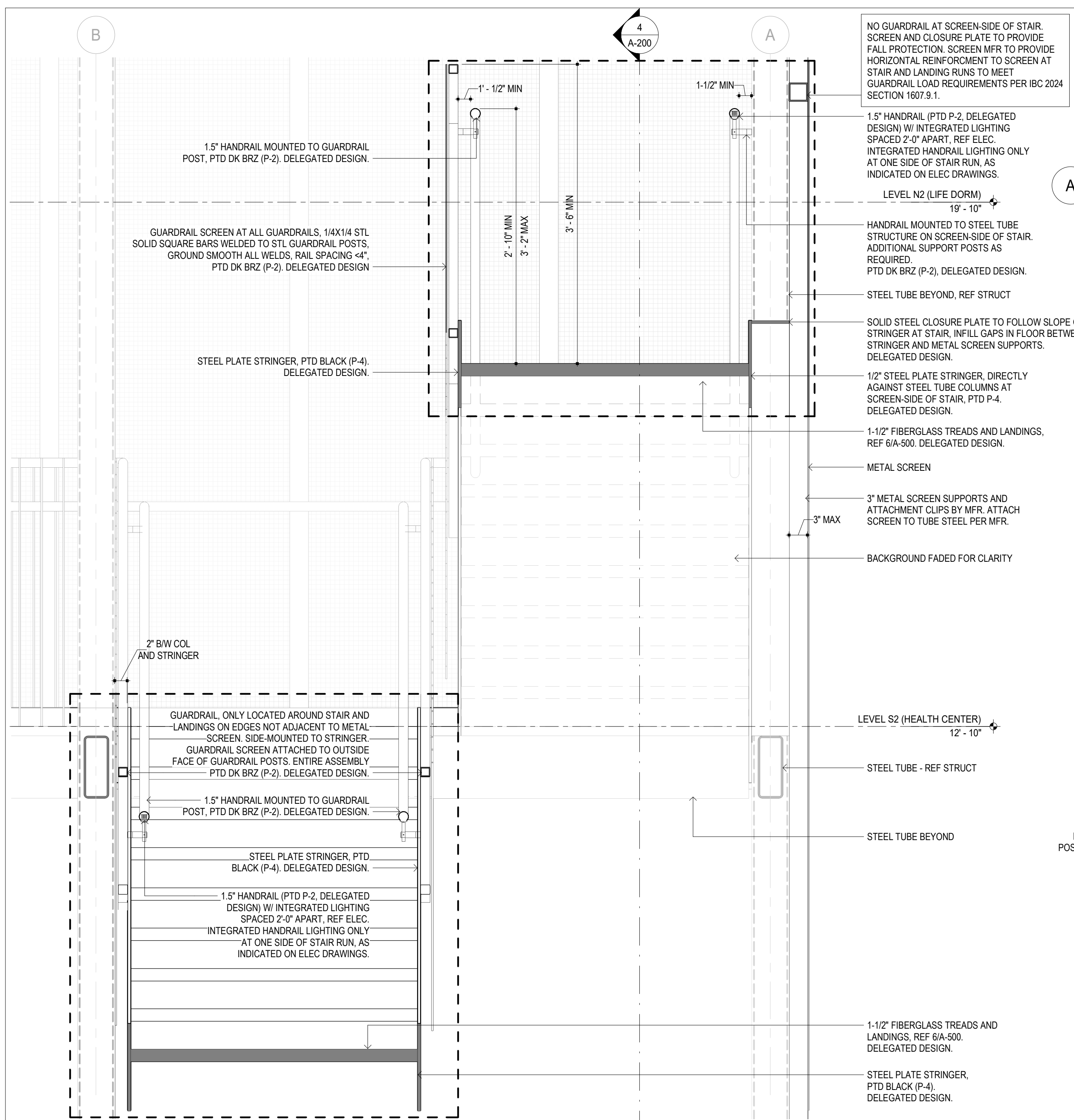
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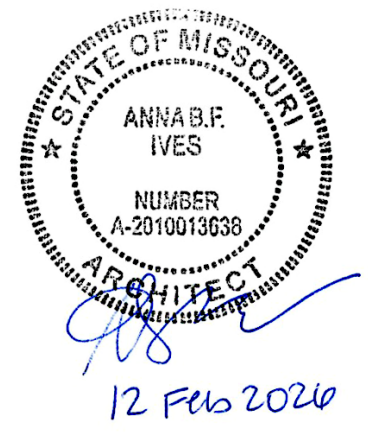
SHEET TITLE:  
**EXTERIOR  
DETAILS - STAIR  
AND RAILING**

SHEET NUMBER:

**A-500**



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ASSET # 5012011017

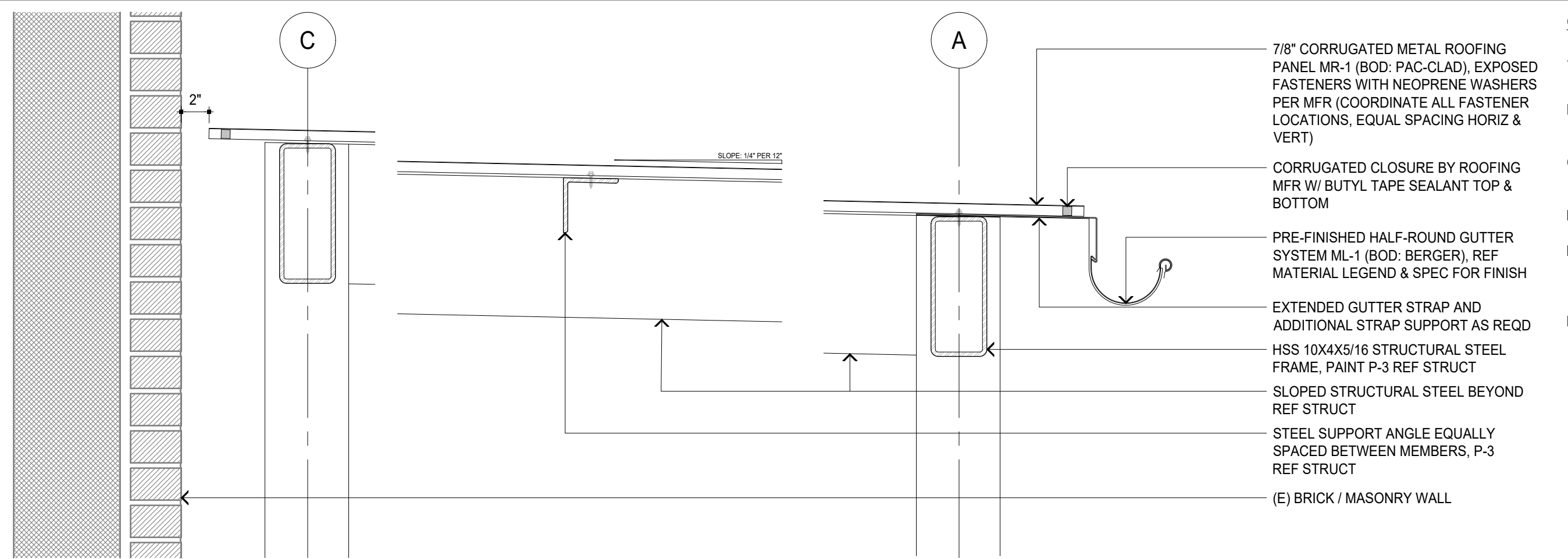
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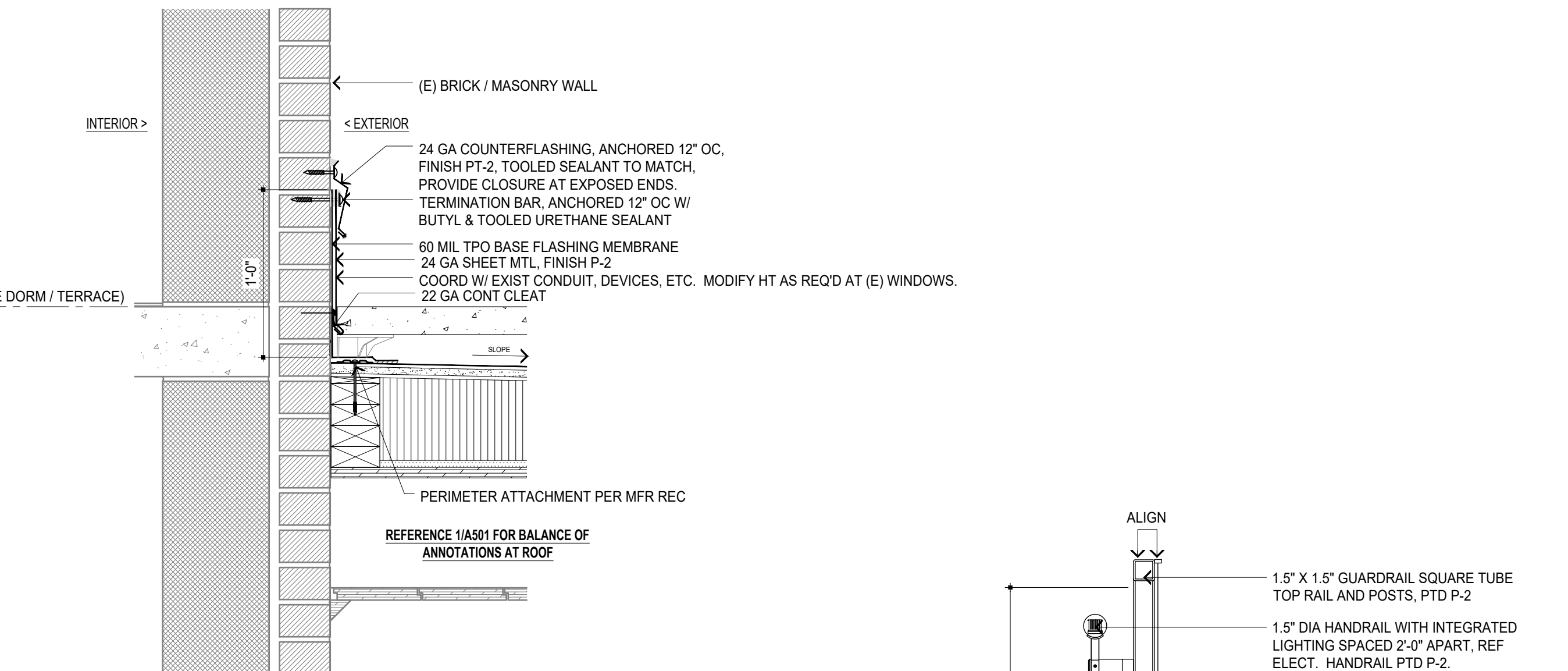
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**EXTERIOR  
DETAILS - ROOF**

SHEET NUMBER:

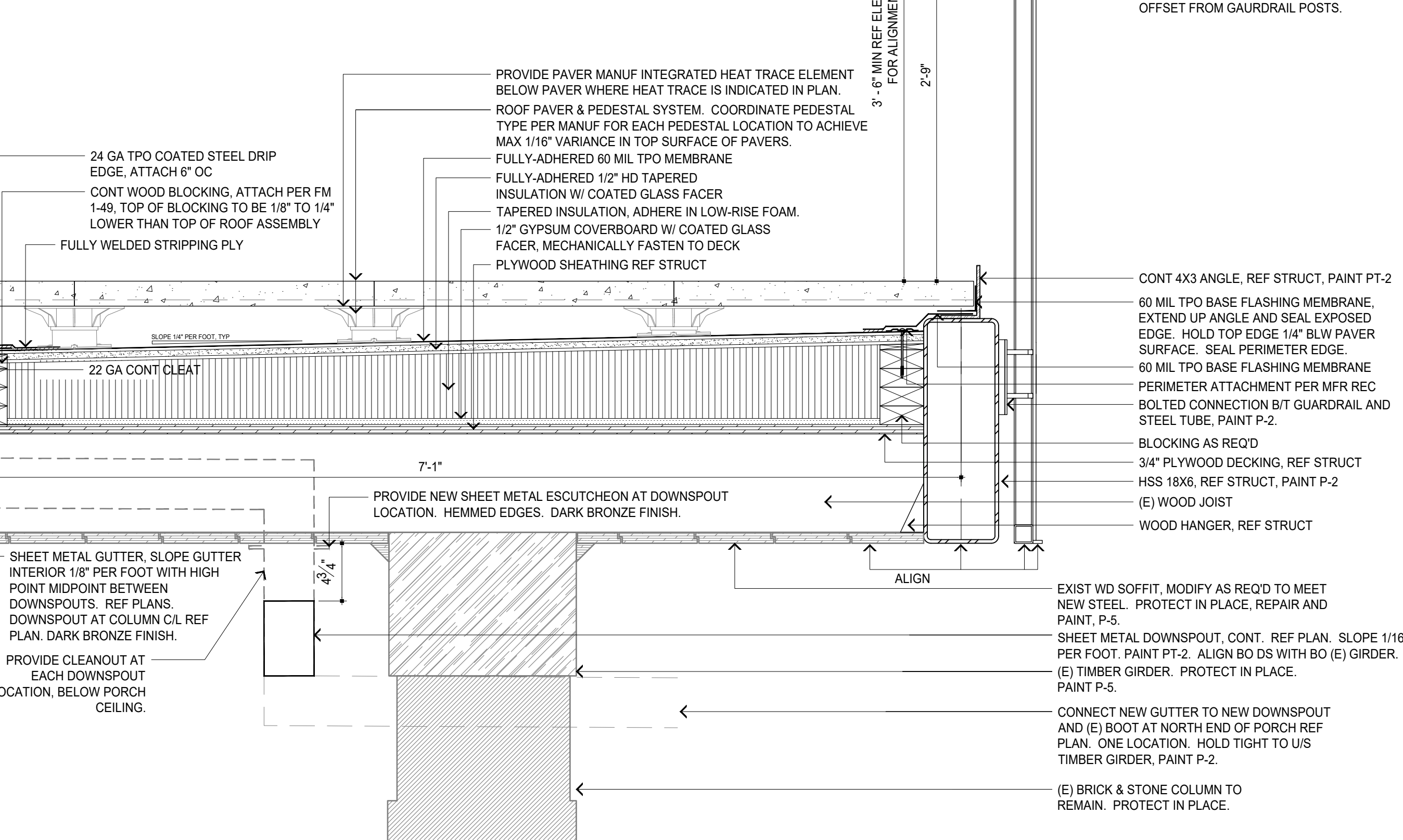
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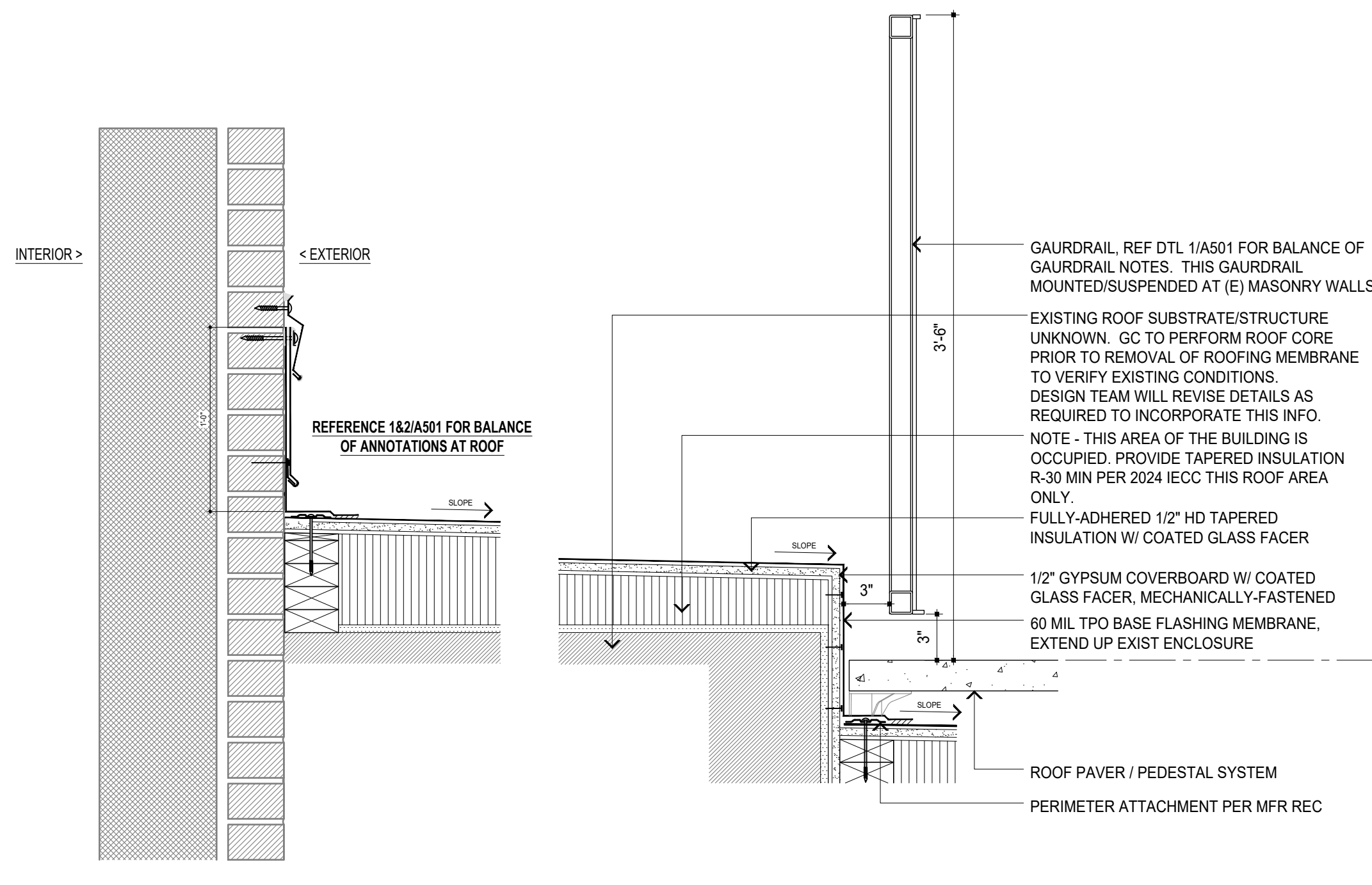
4 SECTION DETAIL - CORRUGATED METAL ROOFING  
A-501  
1-1/2"=1'-0" 0 2' 4' 8' 16 IN



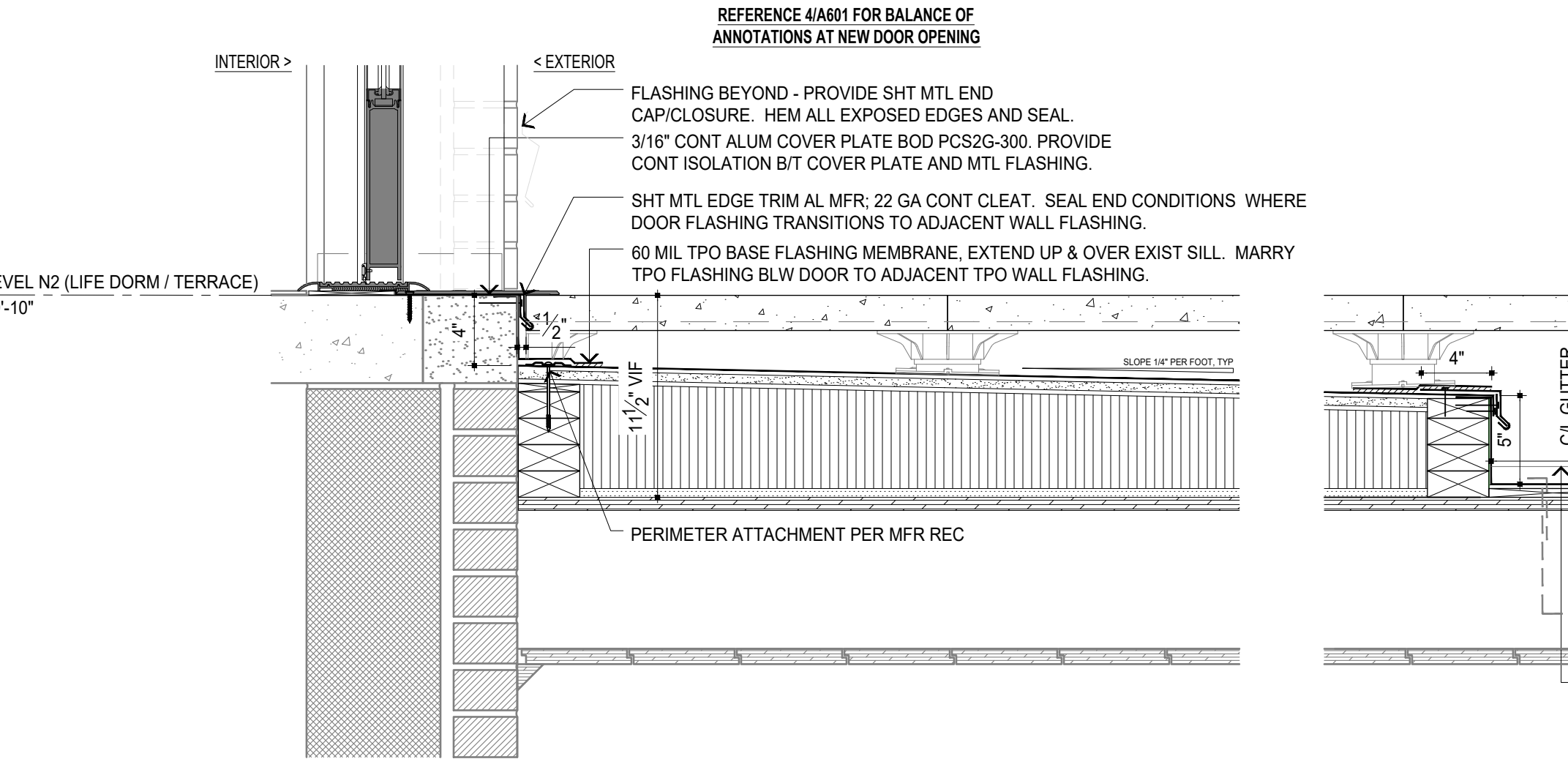
2 SECTION DETAIL - TERRACE ROOF - TYP WALL FLASHING  
A-501  
1-1/2"=1'-0" 0 2' 4' 8' 16 IN



1 SECTION DETAIL - TERRACE ROOF (AT DOOR)  
A-501  
1-1/2"=1'-0" 0 2' 4' 8' 16 IN

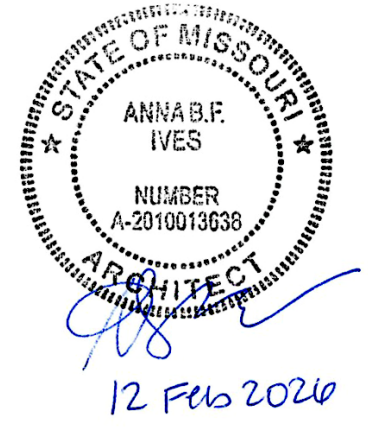


3 SECTION DETAIL - TERRACE ROOF - RAISED ROOF AREA  
A-501  
1-1/2"=1'-0" 0 2' 4' 8' 16 IN



1 SECTION DETAIL - TERRACE ROOF (AT DOOR)  
A-501  
1-1/2"=1'-0" 0 2' 4' 8' 16 IN

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ASSET # 5012011017

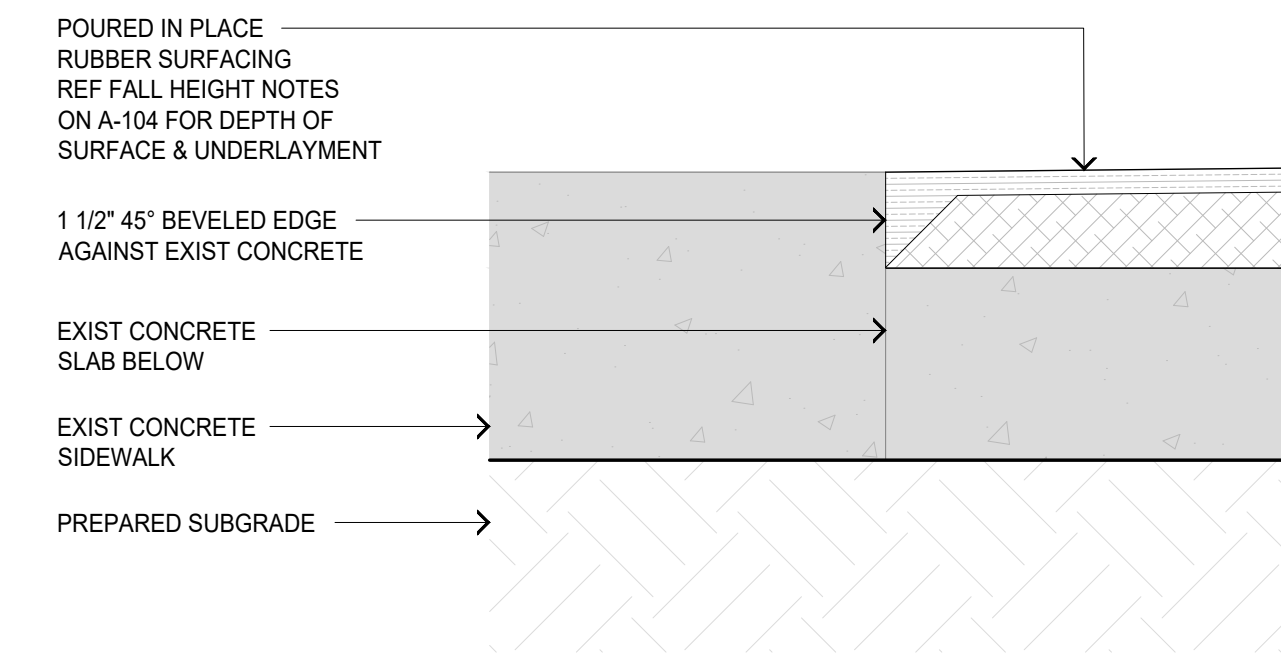
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ISSUE DATE: 12 FEB 2026

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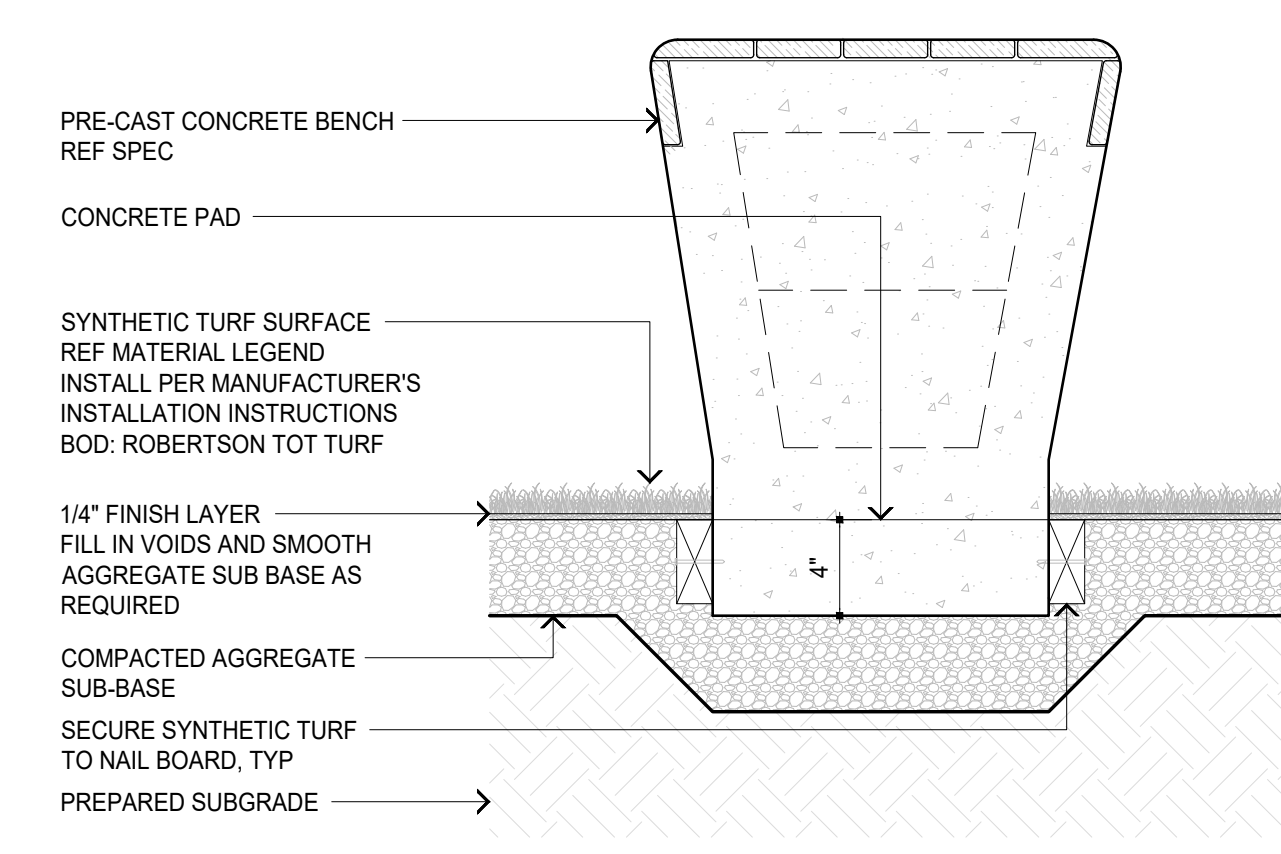
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**EXTERIOR  
DETAILS - SITE**

SHEET NUMBER:

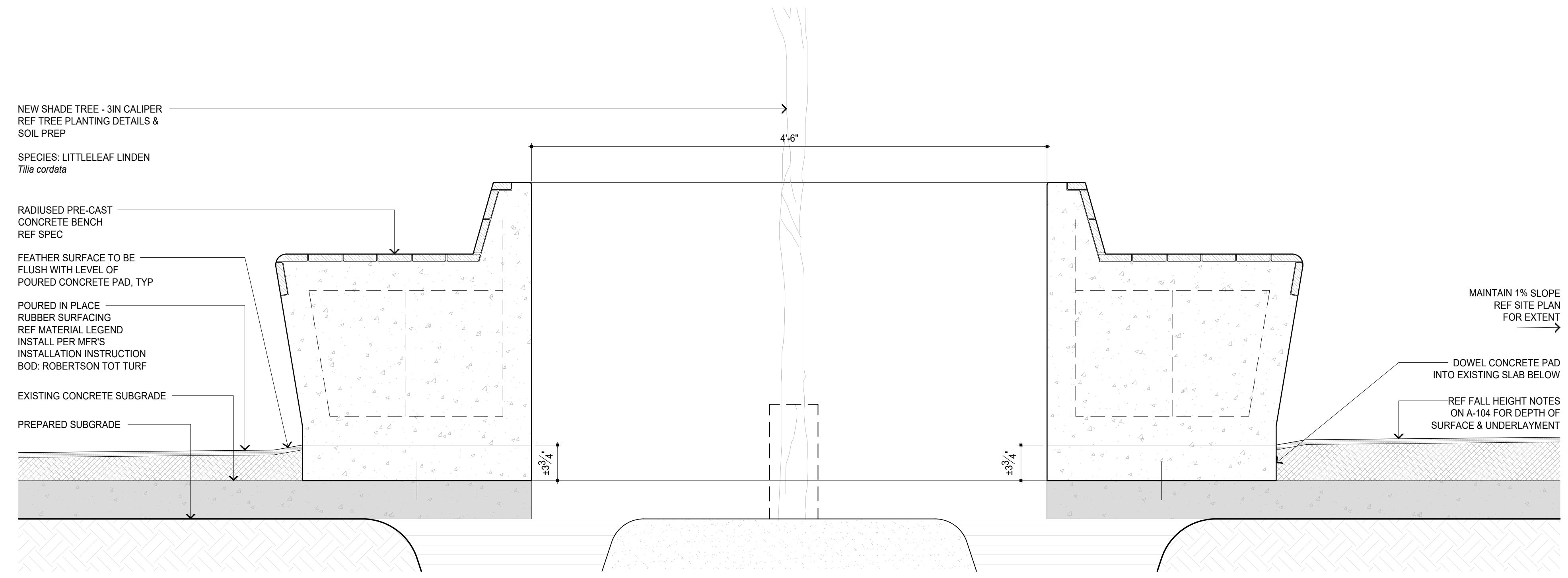
**A-502**



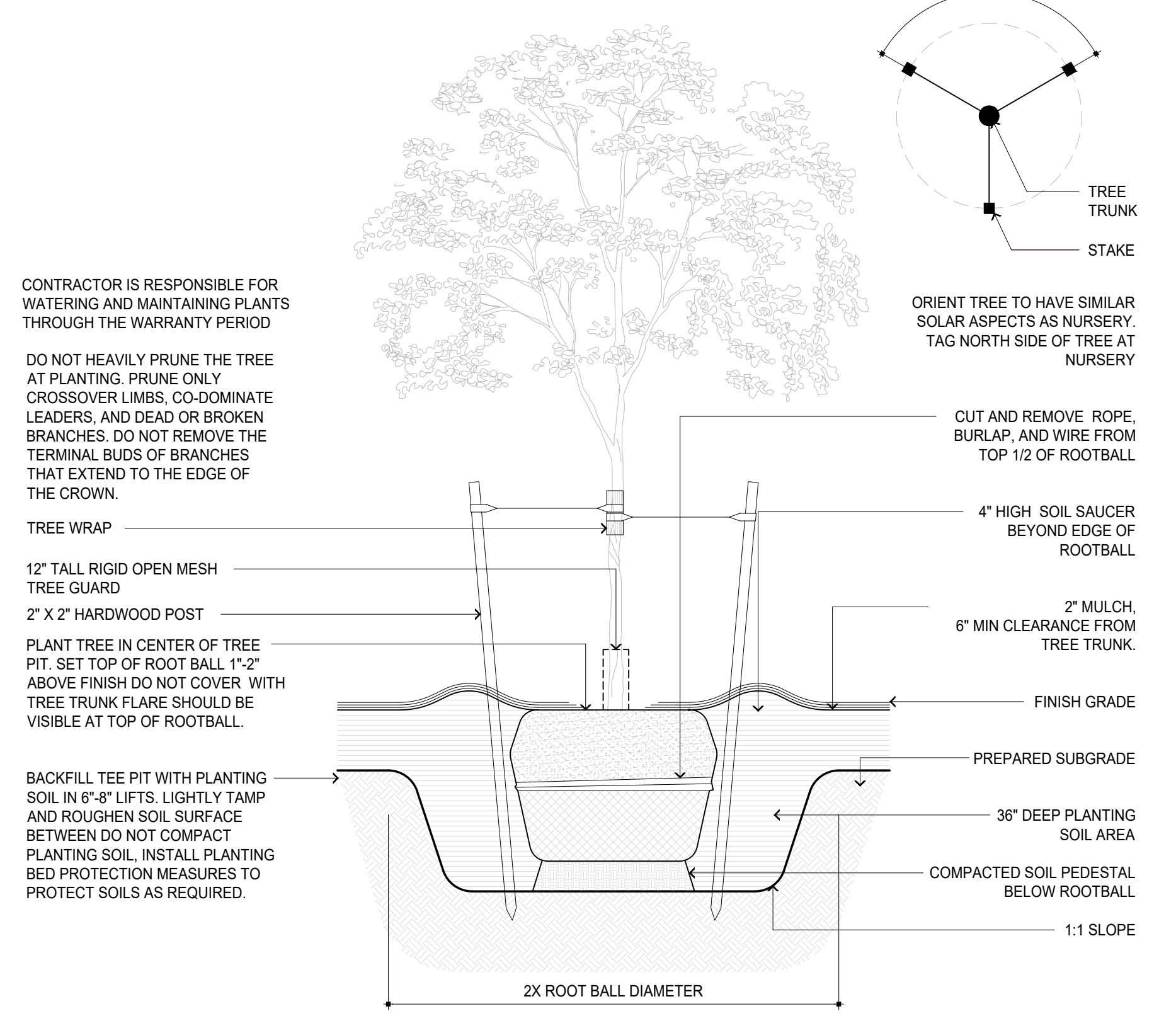
5 POURED IN PLACE RUBBER SURFACING EDGE RESTRAINT  
A-502 3\"/>



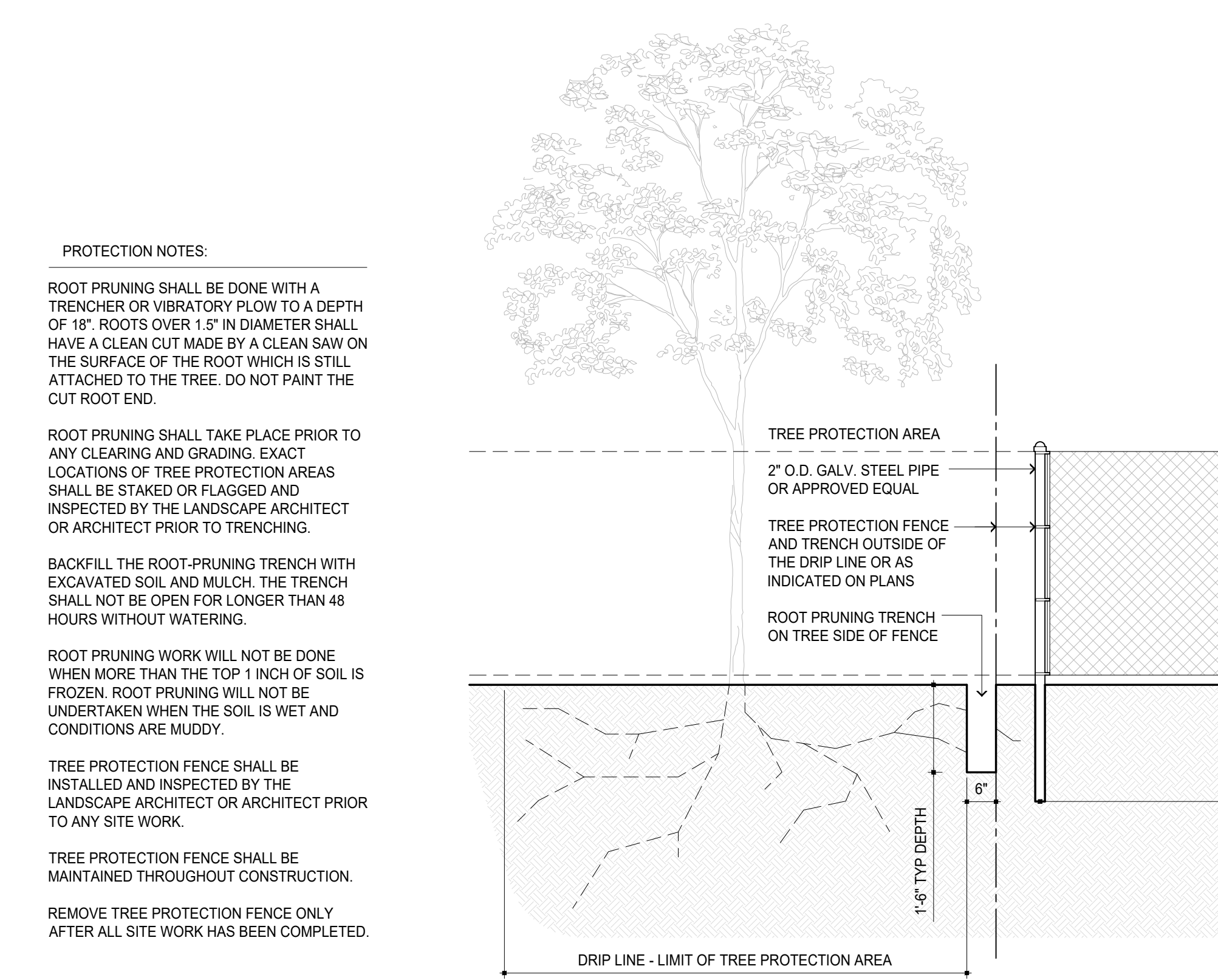
3 PRE-CAST CONCRETE BENCH AT SYNTHETIC TURF SURFACE  
A-502 1-1/2\"/>



4 PRE-CAST CONCRETE BENCH AT POURED-IN-PLACE RUBBER SURFACING  
A-502 1-1/2\"/>



2 TREE PLANTING & STAKING - TYPICAL  
A-502 1/2\"/>



1 TREE PROTECTION / ROOT PRUNING  
A-502 1-1/2\"/>

CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTAINING PLANTS THROUGH THE WARRANTY PERIOD

DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINATE LEADERS, AND DEAD OR BROKEN BRANCHES. DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

TREE WRAP

12\"/>

2\"/>

PLANT TREE IN CENTER OF TREE PIT. SET TOP OF ROOT BALL 1\"/>

BACKFILL TEE PIT WITH PLANTING SOIL IN 6\"/>

PROTECTION NOTES:

ROOT PRUNING SHALL BE DONE WITH A TRENCHER OR VIBRATORY PLOW TO A DEPTH OF 18\"/>

ROOT PRUNING SHALL TAKE PLACE PRIOR TO ANY CLEARING AND GRADING. EXACT LOCATIONS OF TREE PROTECTION AREAS SHALL BE STAKED OR FLAGGED AND INSPECTED BY THE LANDSCAPE ARCHITECT OR ARCHITECT PRIOR TO TRENCHING.

BACKFILL THE ROOT-PRUNING TRENCH WITH EXCAVATED SOIL AND MULCH. THE TRENCH SHALL NOT BE OPEN FOR LONGER THAN 48 HOURS WITHOUT WATERING.

ROOT PRUNING WORK WILL NOT BE DONE WHEN MORE THAN THE TOP 1 INCH OF SOIL IS FROZEN. ROOT PRUNING WILL NOT BE UNDERTAKEN WHEN THE SOIL IS WET AND CONDITIONS ARE MUDDY.

TREE PROTECTION FENCE SHALL BE INSTALLED AND INSPECTED BY THE LANDSCAPE ARCHITECT OR ARCHITECT PRIOR TO ANY SITE WORK.

TREE PROTECTION FENCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

REMOVE TREE PROTECTION FENCE ONLY AFTER ALL SITE WORK HAS BEEN COMPLETED.

PROTECTION NOTES:

ROOT PRUNING SHALL BE DONE WITH A TRENCHER OR VIBRATORY PLOW TO A DEPTH OF 18\"/>

ROOT PRUNING SHALL TAKE PLACE PRIOR TO ANY CLEARING AND GRADING. EXACT LOCATIONS OF TREE PROTECTION AREAS SHALL BE STAKED OR FLAGGED AND INSPECTED BY THE LANDSCAPE ARCHITECT OR ARCHITECT PRIOR TO TRENCHING.

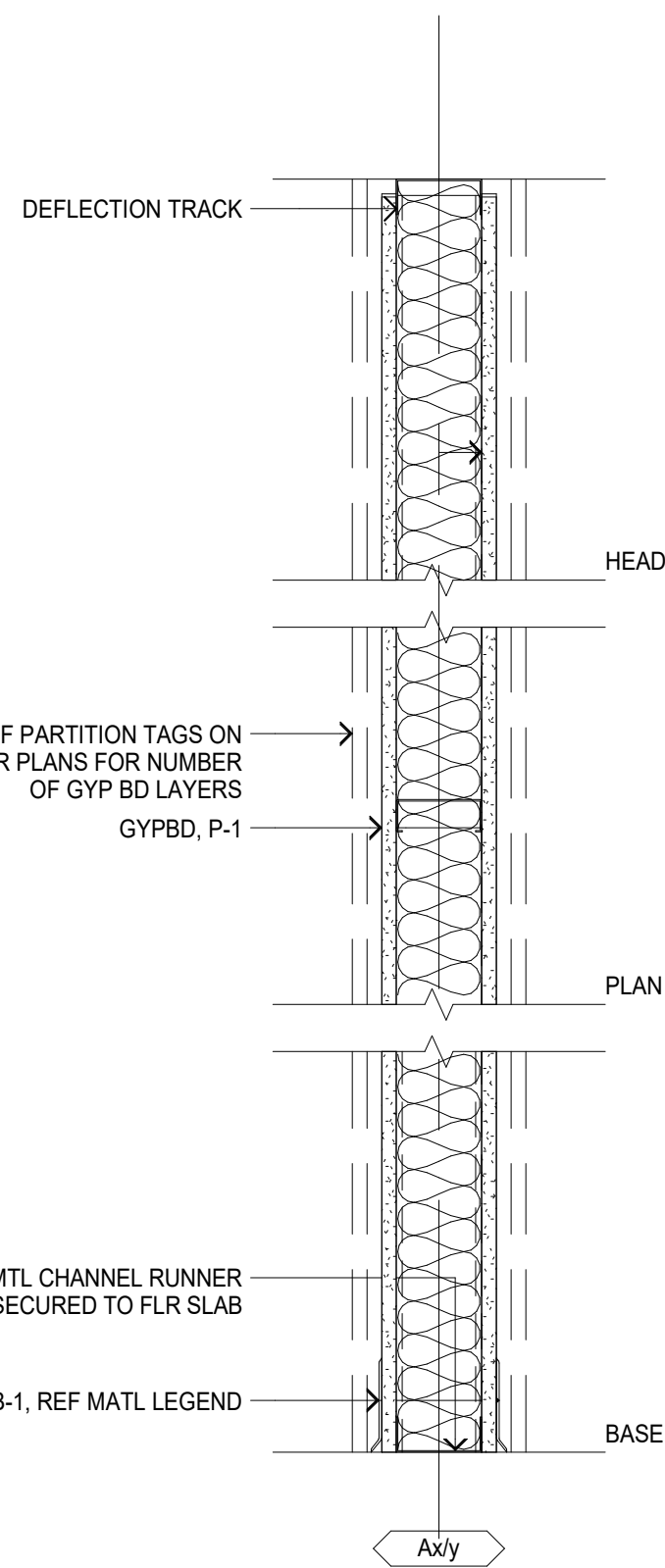
BACKFILL THE ROOT-PRUNING TRENCH WITH EXCAVATED SOIL AND MULCH. THE TRENCH SHALL NOT BE OPEN FOR LONGER THAN 48 HOURS WITHOUT WATERING.

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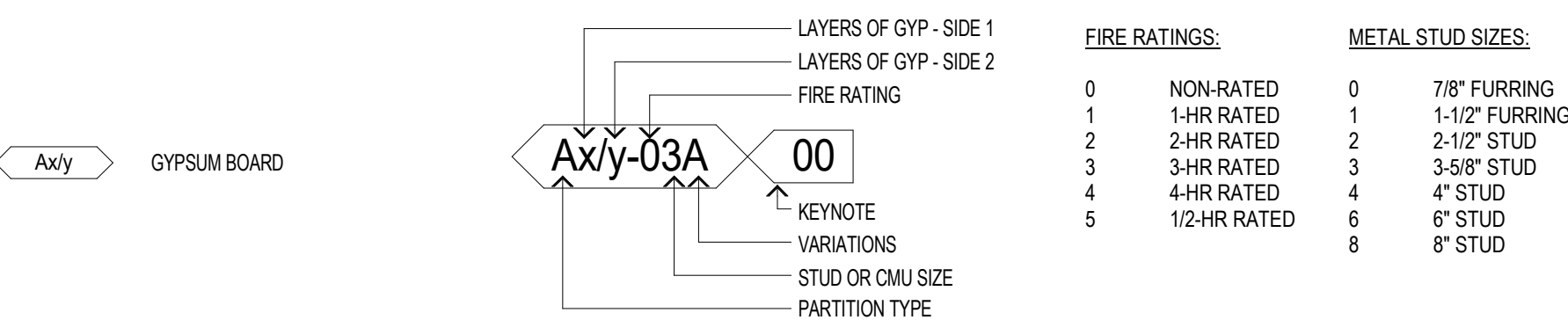
**PARTITION TYPE GENERAL NOTES**

1. REFERENCE SPECIFICATION SECTION 092900 GYPSUM BOARD ASSEMBLIES FOR BLOCKING AND OTHER ADDITIONAL REQUIREMENTS.
2. REFERENCE MATERIAL LEGEND ON DRAWING SHEET A-600 FOR ADDITIONAL INFORMATION.
3. PLAN DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
4. PATCH ANY HOLES, CRACKS, AND/OR OPENINGS ON ALL EXISTING WALLS / PARTITIONS / COLUMNS TO REMAIN AND PREPARE FOR NEW FINISH.
5. ALL FIRE-RATED PARTITION ASSEMBLIES SHALL MEET APPLICABLE CODE REQUIREMENTS.
6. ALL FIRE-RATED PARTITION ASSEMBLIES TO RECEIVE APPROPRIATE FIRE-SAFING PERIMETER AND PENETRATION TREATMENT, BASED ON SUBMITTED AND APPROVED TESTED SYSTEM DESIGN.
7. PROVIDE FIRE STOPPING AT ANY OPENINGS OR PENETRATIONS IN EXISTING AND NEW FIRE-RATED PARTITIONS.
8. WIDTH OF INSULATION SHALL FILL FRAMING CAVITY UNLESS OTHERWISE NOTED.
9. UNLESS OTHERWISE NOTED, ALL LAYERS FOR GYPSUM BOARD PARTITIONS TO SEAL TO HIGHEST POINT OF UNDERSIDE STRUCTURE. COPE GYPSUM BOARD IN CONCRETE COFFER VOIDS AND AROUND CONCRETE BEAMS, UNLESS OTHERWISE NOTED OR DETAILED. REFERENCE ACOUSTICAL (AC) DRAWINGS AND ASSOCIATED PARTITION HEAD DETAILS FOR TYPICAL DETAILS.

TYPICAL PARTITION PARTITION ASSEMBLY (FROM LEFT TO RIGHT):  
 FINISH AS SCHEDULED  
 5/8" GYP BD. REF PARTITION TYPE FOR NUMBER OF LAYERS  
 MTL STUDS. REF PARTITION TYPE FOR SIZE  
 BATT INSULATION  
 5/8" GYP BD. REF PARTITION TYPE FOR NUMBER OF LAYERS  
 FINISH AS SCHEDULED

**5 PARTITION TYPE**  
 A-600 1 1/2" = 1'-0"

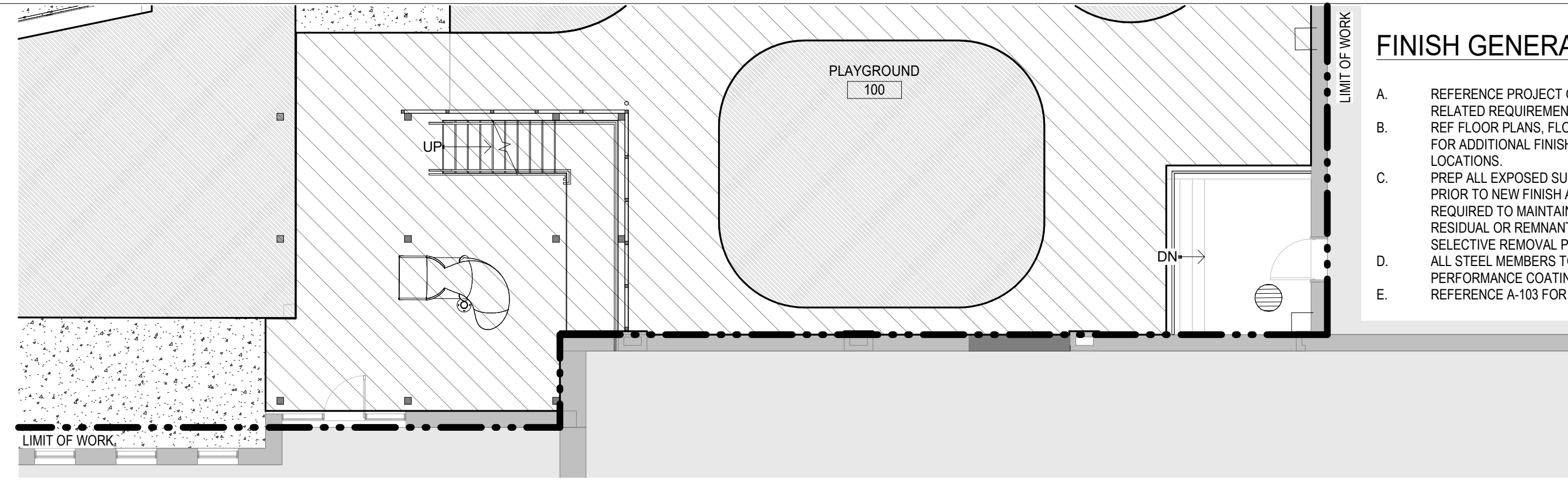
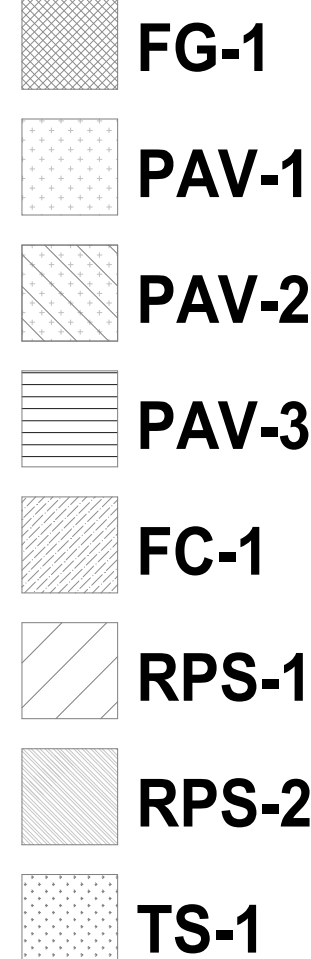
**PARTITION CATEGORIES PARTITION TYPE SYMBOLS**



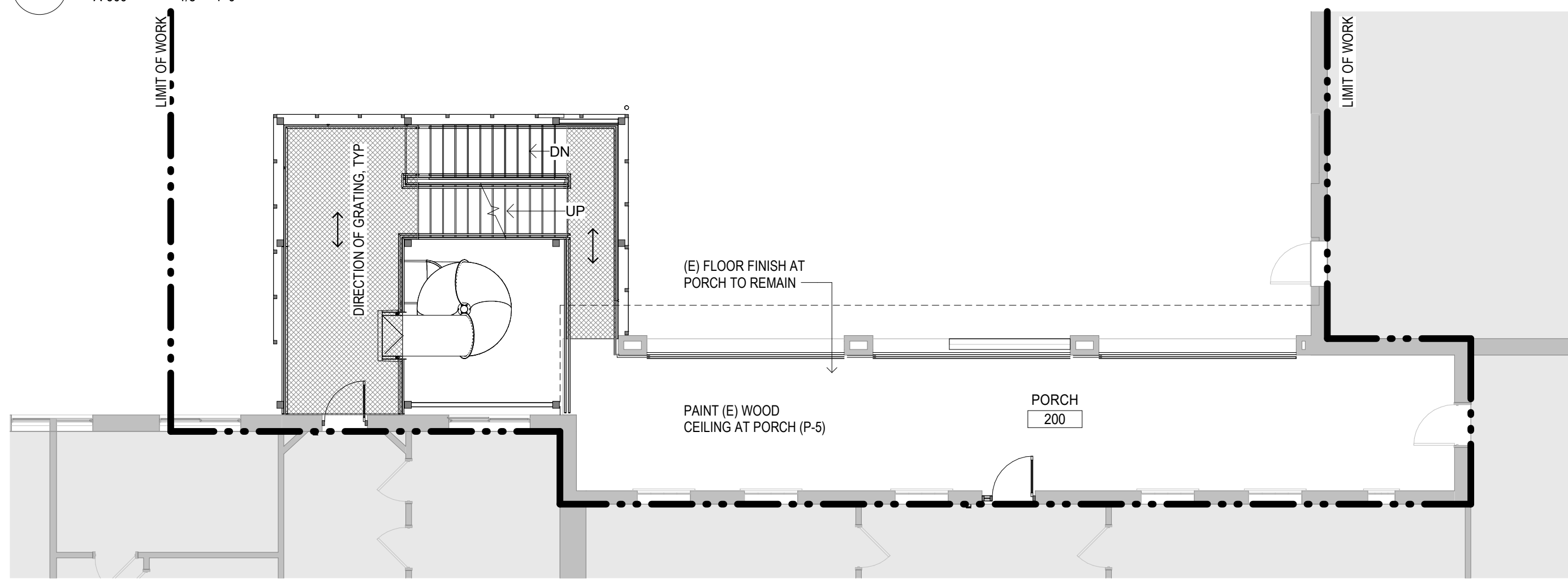
**6 PARTITION TYPE LEGEND**  
 A-600

**MATERIAL LEGEND**

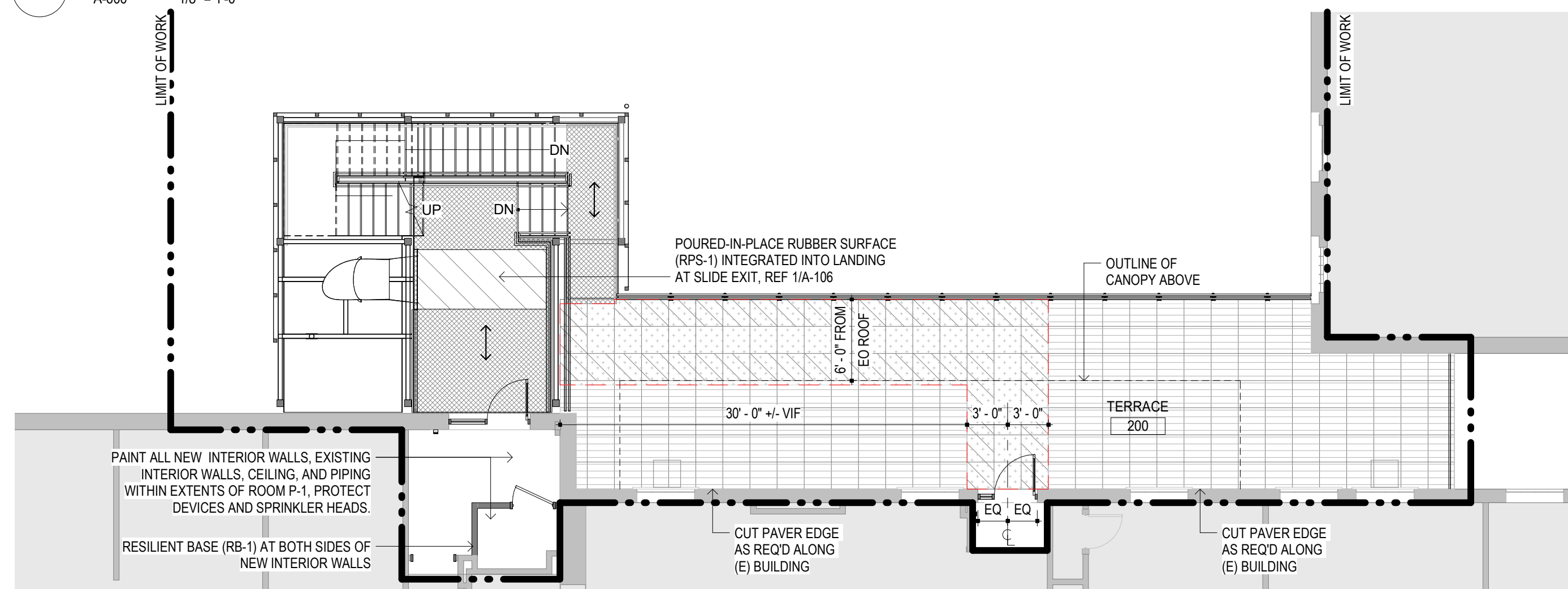
| IDENTIFICATION CODE | ITEM                          | PRODUCT INFORMATION<br>BOD MANUFACTURER | TYPE   | FINISH / COLOR   | REMARKS   |
|---------------------|-------------------------------|---|--|--|---|
| AL-1                | ALUMINUM STOREFRONT SYSTEM    | KAWNEER                                 | ENCORE + TUFLINE 500                                 | CLEAR ANODIZED   | NEW DOORS AND SIDE / TRANSOM LITE FRAMES  |
| FC-1                | FABRIC CANOPY SHADE SAIL      | LAWRENCE FABRIC                         | NINETYFIVE 340FR                                     | DRIFTWOOD 502348 (FR)  | NON-COMBUSTIBLE. REF STRUCT & ARCH FOR ATTACHMENT INFORMATION   |
| FG-1                | FIBERGLASS GRATING            | STRONGWELL                              | DURAGRID T-BAR PULTRUDED GRATING - T1800 MEDIUM GRIT | TNEMEC BLACK (GLOSS), EVERYWHERE EXCEPT NOSING. TNEMEC WHITE (GLOSS) NOSING. | NEW STAIR LANDINGS AND TREADS. ALL FIELD CUTS TO BE EDGE-SEALED   |
| GL-1                | VISION GLASS IGU              | VIRACON                                 | VRE24-54   |  | ALL DOORS AND SIDELIGHTS, TEMPERED TYP  |
| GL-2                | SPANDREL GLASS IGU            | VIRACON                                 | VRE24-54   | BACKPAINTED BLACK  | GLASS TRANSOM LITE ABOVE NEW DOORS  |
| ML-1                | GUTTER AND DOWNSPOUT          | BERGER                                  | ALUMINUM   | DARK BRONZE  | WEST EDGE OF STAIR ROOF   |
| MR-1                | METAL ROOF                    | PAC-CLAD                                | 7/8" PREFINISHED CORRUGATED METAL                    | DARK BRONZE  | STAIR ROOF  |
| MS-1                | METAL SCREEN                  | CONSTRUCTION SPECIALTIES                | 40% PERFORATION                                      | 713 DARK BRONZE  | CUSTOM SCREEN. SCHOOL LOGO PRINTED ON SOUTH FACE ONLY. REF A-200 FOR EXTENTS                            |
| P-1                 | PAINT                         | SHERWIN WILLIAMS                        |  | SW 7009 PEARLY WHITE   | ALL NEW AND EXISTING INTERIOR WALLS WITHIN SCOPE AT LEVEL S3. EGGSHELL FINISH                           |
| P-2                 | HIGH-PERFORMANCE COATING      | SHERWIN WILLIAMS                        |  | SW 7020 BLACK FOX  | NEW GUARDRAILS, NEW HANDRAILS, AND NEW EXPOSED TUBE STEEL AT TERRACE AND CANOPY                         |
| P-3                 | HIGH-PERFORMANCE COATING      | SHERWIN WILLIAMS                        |  | SW 6981 PASSIONATE PURPLE  | NEW TUBE STEEL AT NEW STAIR   |
| P-4                 | HIGH-PERFORMANCE COATING      | SHERWIN WILLIAMS                        |  | SW 6991 BLACK MAGIC  | NEW METAL STAIR COMPONENTS  |
| P-5                 | EXTERIOR PAINT                | SHERWIN WILLIAMS                        | EXTERIOR   | SW 7009 PEARLY WHITE   | EXISTING WOOD CEILING AT EXTERIOR PORCH   |
| P-6                 | PAINT                         | SHERWIN WILLIAMS                        |  | SW 6991 BLACK MAGIC  | INTERIOR DOOR FRAMES, SEMI-GLOSS FINISH   |
| PAV-1               | PEDESTAL PAVER SYSTEM / 24X24 | TILE TECH PAVERS                        | EARTH-TONE SERIES PORCELAIN PAVERS / 3/4" THICK      | FLAT BONE (LIGHT)  | PEDESTAL SYSTEM WITH HEX-TRAY WIND-UP/LIFT SYSTEM / EGRESS PATH - INNER PAVERS / SNOW MELT SYSTEM BELOW |
| PAV-2               | PEDESTAL PAVER SYSTEM / 24X24 | TILE TECH PAVERS                        | EARTH-TONE SERIES PORCELAIN PAVERS / 3/4" THICK      | FLAT SMOKE (DARK)  | PEDESTAL SYSTEM WITH HEX-TRAY WIND-UP/LIFT SYSTEM / EGRESS PATH - OUTER PAVERS / SNOW MELT SYSTEM BELOW |
| PAV-3               | PEDESTAL PAVER SYSTEM / 24X24 | TILE TECH PAVERS                        | IPE DECK TILES / 1-5/8" THICK                        | SEALED   | SEAL PAVERS / EACH PAVER SAME DIRECTION, NORTH-SOUTH (REF FINISH PLAN)                                  |
| RB-1                | RESILIENT WALL BASE           | TARKETT                                 | BASEWORKS  | BLACK  | LEVEL S3, MATCH HEIGHT OF ADJACENT EXISTING BASE  |
| RPS-1               | RUBBER PLAYGROUND SURFACING   | ROBERTSON RECREATIONAL SERVICES         | TOTTURF - RESILIENT SAFETY SURFACING                 | LIGHT GREY   | POURED-IN-PLACE, REF A-103 AND A-104  |
| RPS-2               | RUBBER PLAYGROUND SURFACING   | ROBERTSON RECREATIONAL SERVICES         | TOTTURF - RESILIENT SAFETY SURFACING                 | PURPLE   | POURED-IN-PLACE, REF A-103 AND A-104  |
| TS-1                | TURF SURFACING                | ROBERTSON RECREATIONAL SERVICES         | TOTTURF - PROPLAY ELITE                              | GREEN  | REF A-103 AND A-104   |



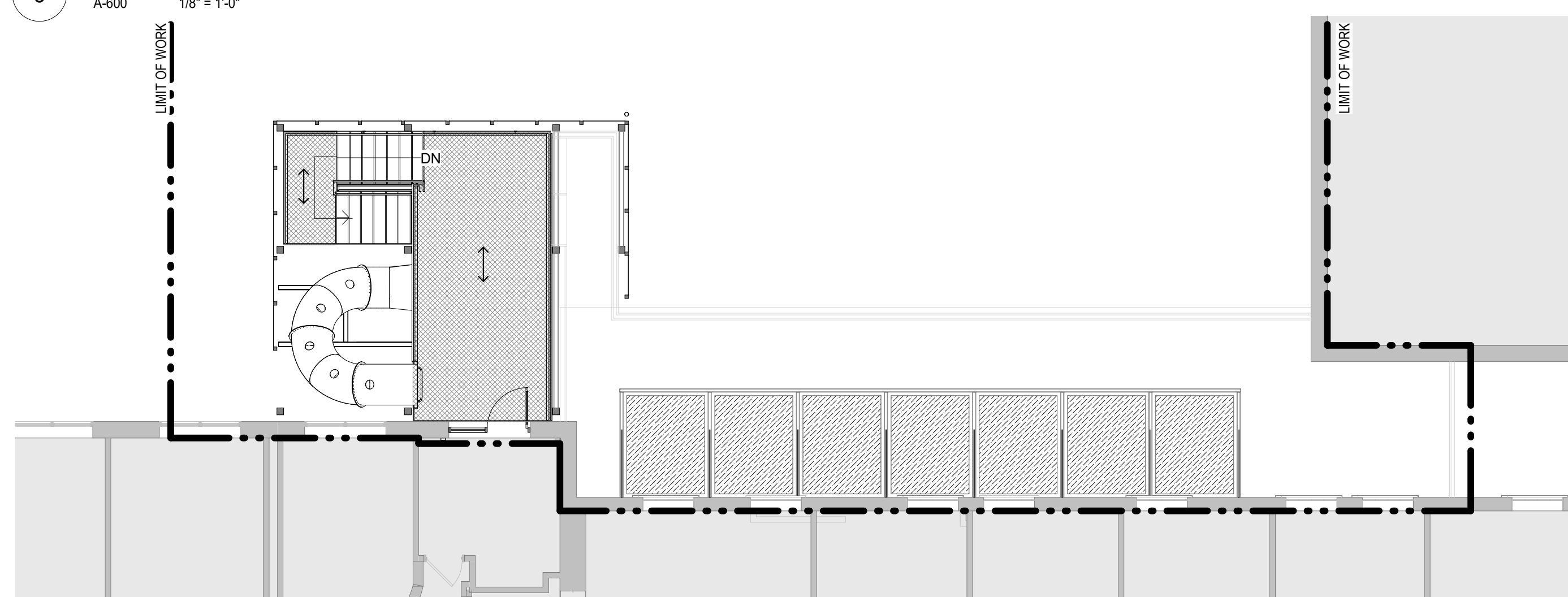
**1 LEVEL S1 (PLAYGROUND)**  
 A-600 1/8" = 1'-0"



**2 LEVEL S2 / N1 (HEALTH CENTER / PORCH)**  
 A-600 1/8" = 1'-0"



**3 LEVEL S3 / N2 (E DORM / LIFE DORM)**  
 A-600 1/8" = 1'-0"

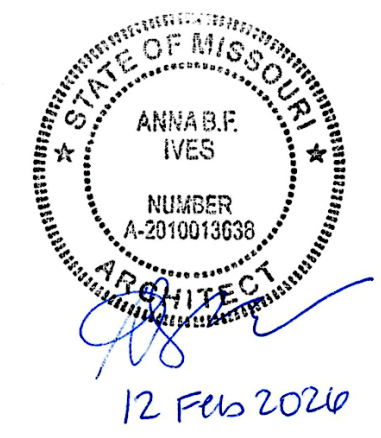


**4 LEVEL S4 / N3 (F DORM)**  
 A-600 1/8" = 1'-0"

**FINISH GENERAL NOTES**

- A. REFERENCE PROJECT GENERAL NOTES ON SHEET G-002 FOR RELATED REQUIREMENTS AND INFORMATION.
- B. REF FLOOR PLANS, FLOOR FINISH KEY PLAN, AND DETAILS FOR ADDITIONAL FINISH INFORMATION, EXTENT, AND LOCATIONS.
- C. PREP ALL EXPOSED SURFACES AND FINISHES TO REMAIN PRIOR TO NEW FINISH APPLICATION. PATCH AND REPAIR AS REQUIRED TO MAINTAIN EVEN FINISH INCLUDING REMOVAL OF RESIDUAL OR REMNANT MATERIAL / CONSTRUCTION FROM SELECTIVE REMOVAL PROCESS.
- D. ALL STEEL MEMBERS TO BE PAINTED WITH HIGH-PERFORMANCE COATING. UNLESS OTHERWISE NOTED, REFERENCE A-103 FOR PLAYGROUND EQUIPMENT FINISHES.
- E.

STATE OF MISSOURI  
 MIKE KEHOE,  
 GOVERNOR



PROFESSIONAL SEAL

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EGRESS STAIR

MISSOURI  
 SCHOOL FOR THE BLIND  
 3815 MAGNOLIA AVENUE  
 SAINT LOUIS, MO 63110

PROJECT # E2332-01  
 ASSET # 5012011017

REVISION:  
 DATE:  
 REVISION:  
 DATE:  
 REVISION:  
 DATE:  
 ISSUE DATE: 12 FEB 2026

CAD DWG FILE:  
 DRAWN BY: EJC  
 CHECKED BY: ABI  
 DESIGNED BY: API

SHEET TITLE:  
**MATERIAL  
 LEGEND, FINISH  
 PLANS, AND  
 PARTITION TYPE**

SHEET NUMBER:

**A-600**

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12 Feb 2020

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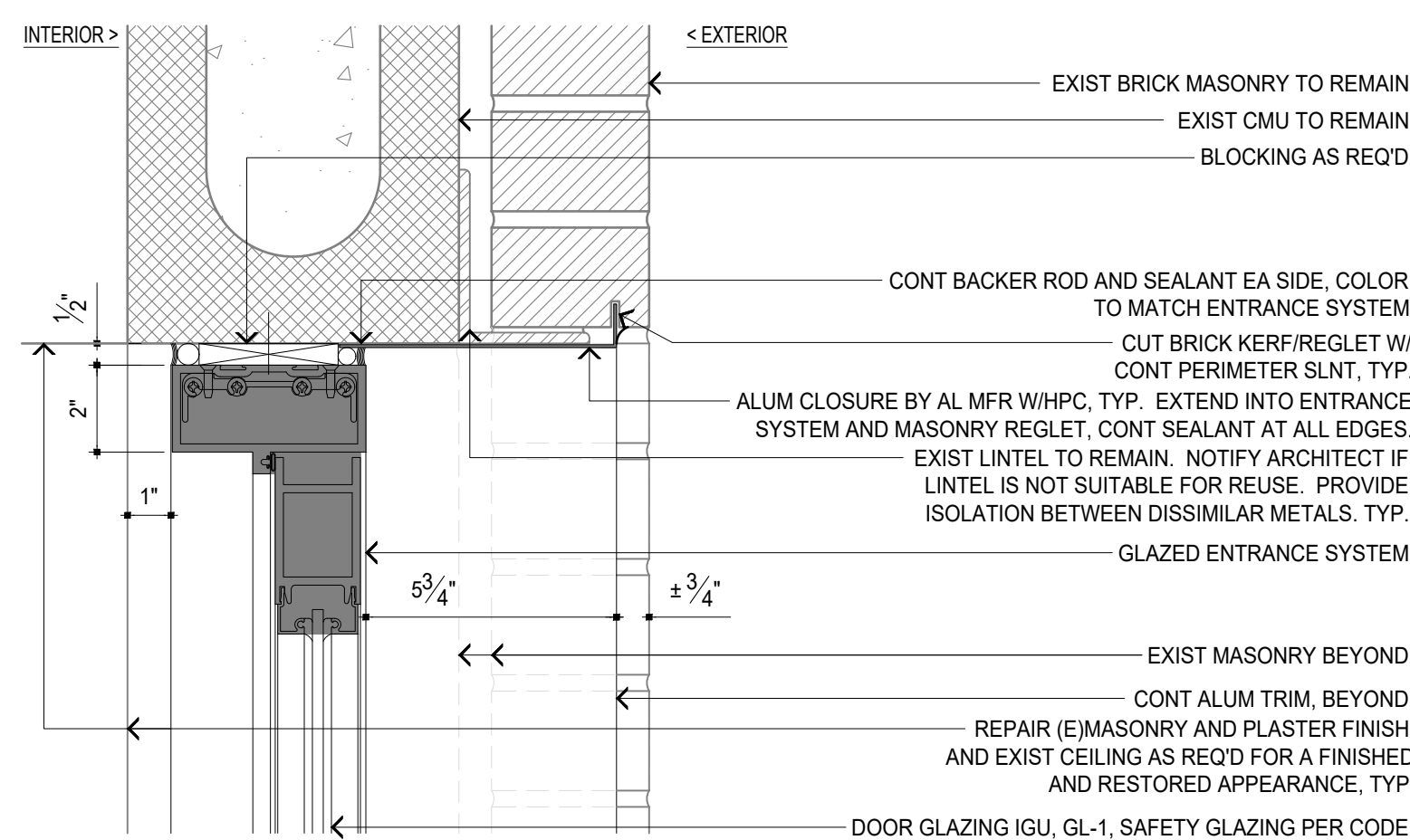
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DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2020

CAD DWG FILE:  
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CHECKED BY: ABI  
DESIGNED BY: API

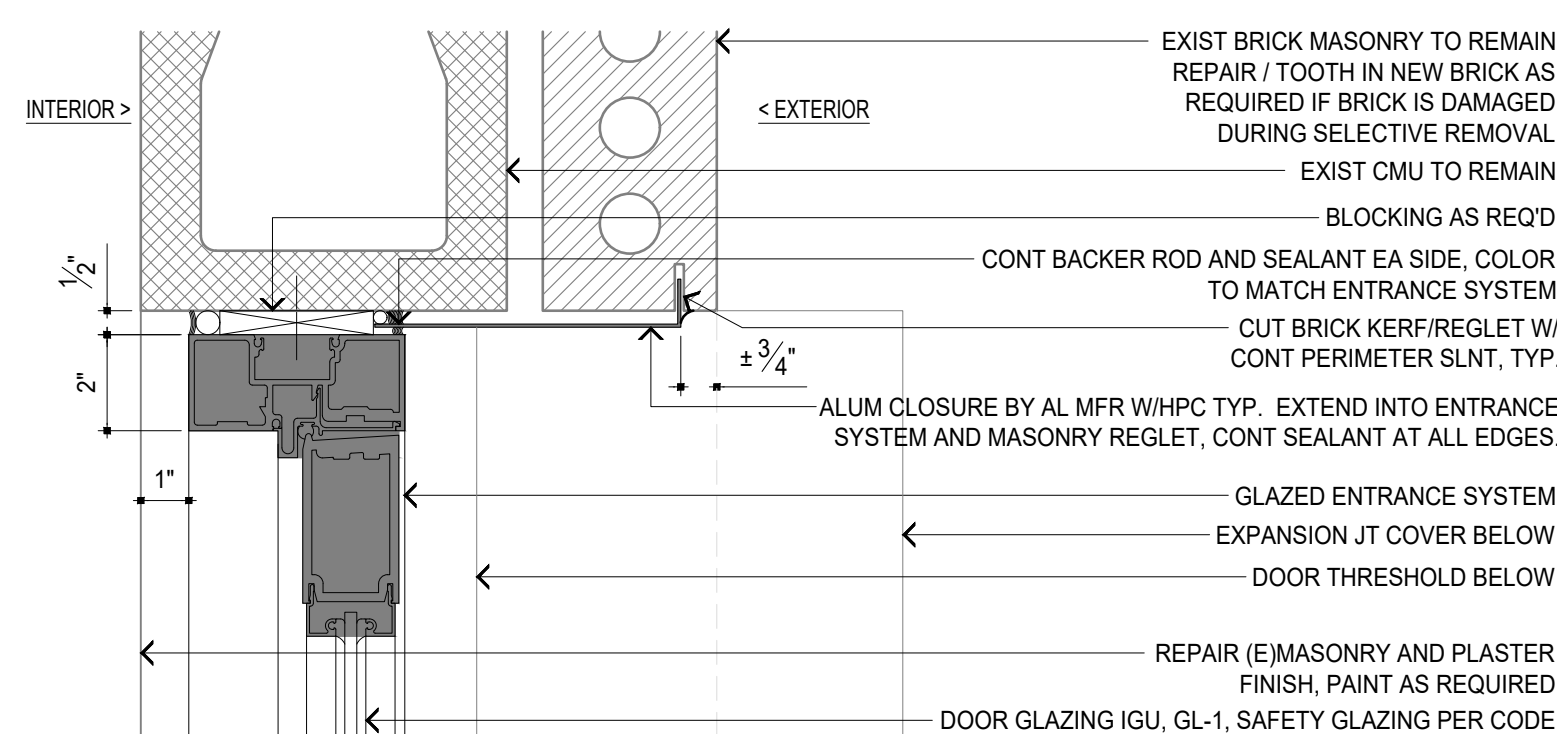
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**DOOR SCHEDULE -  
DOOR DETAILS**

SHEET NUMBER:

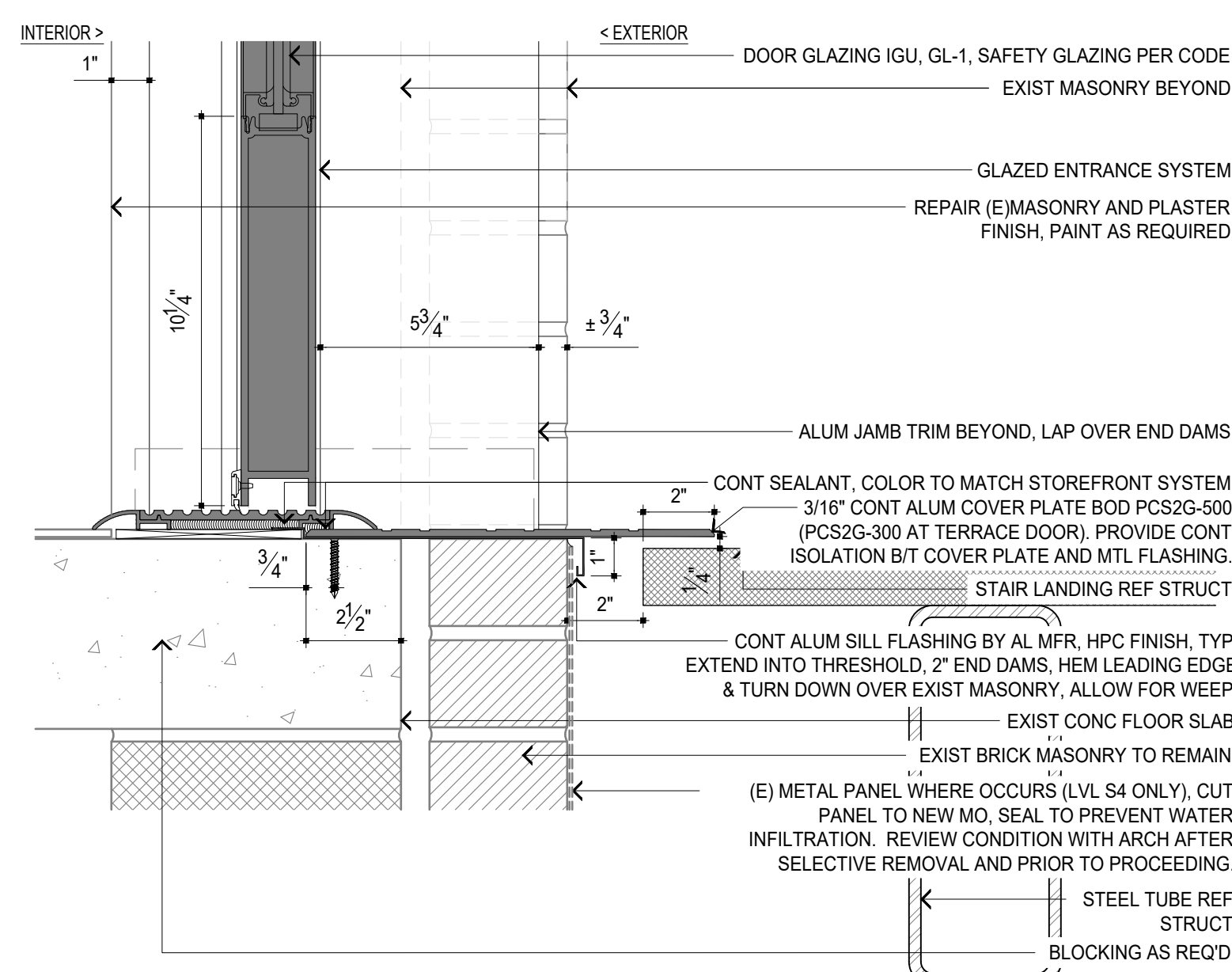
**A-601**



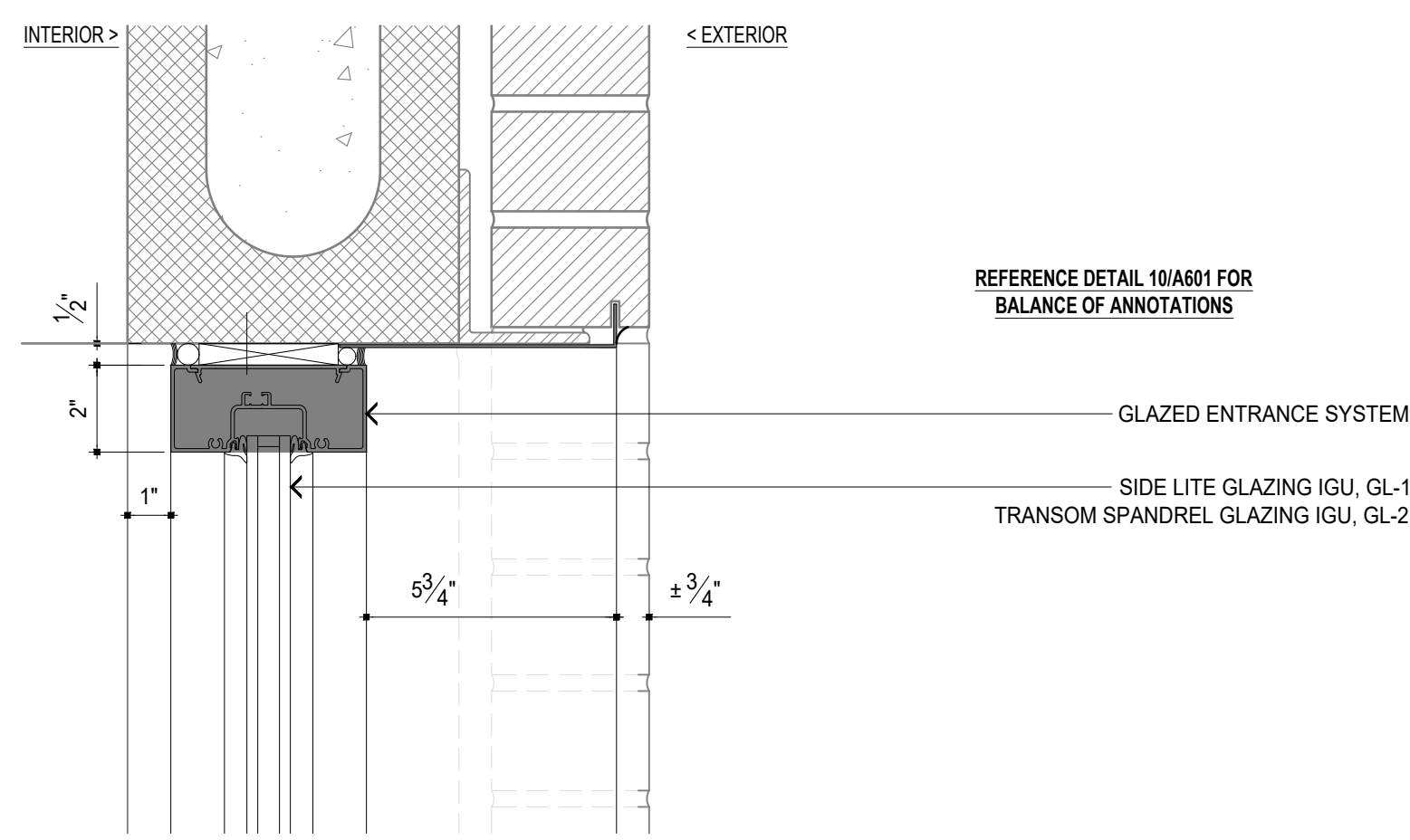
10 AL-H1 TYPICAL DOOR HEAD DETAIL  
A-601 3'-1'-0" 0 2' 4' 8' 16'



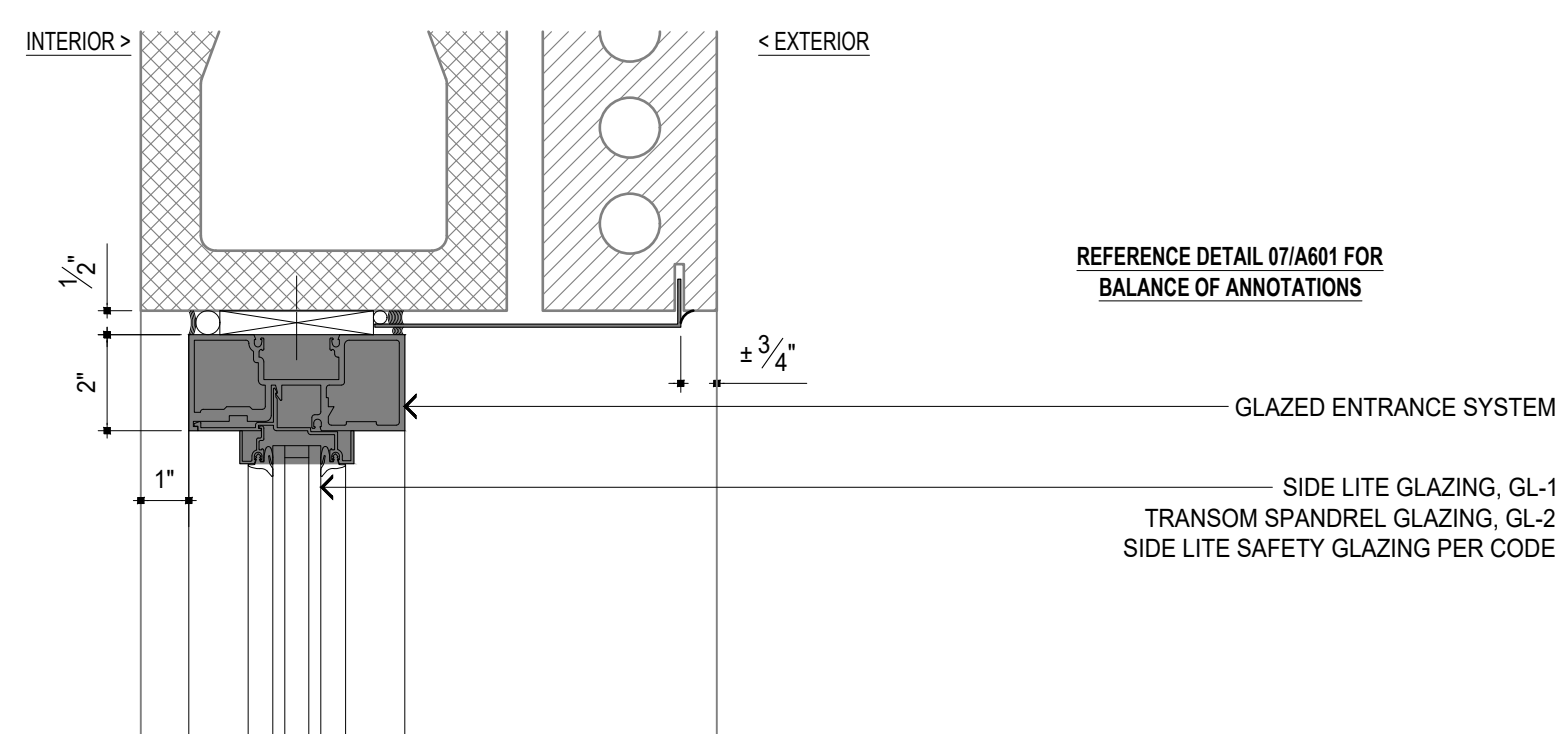
7 AL-J1 TYPICAL DOOR JAMB DETAIL  
A-601 3'-1'-0" 0 2' 4' 8' 16'



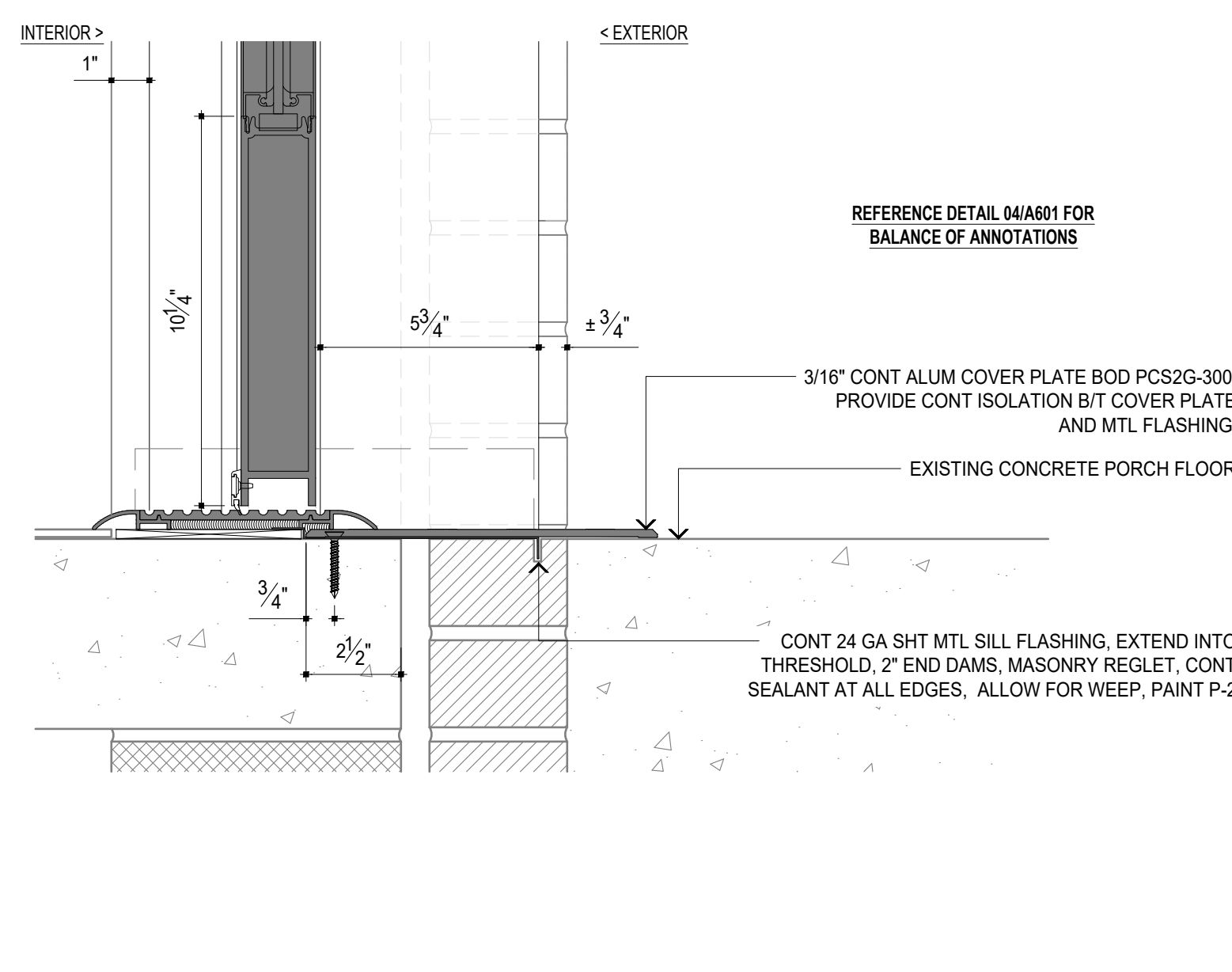
4 AL-S1 TYPICAL DOOR SILL AT STAIR LANDING OR PEDESTAL SYSTEM  
A-601 3'-1'-0" 0 2' 4' 8' 16'



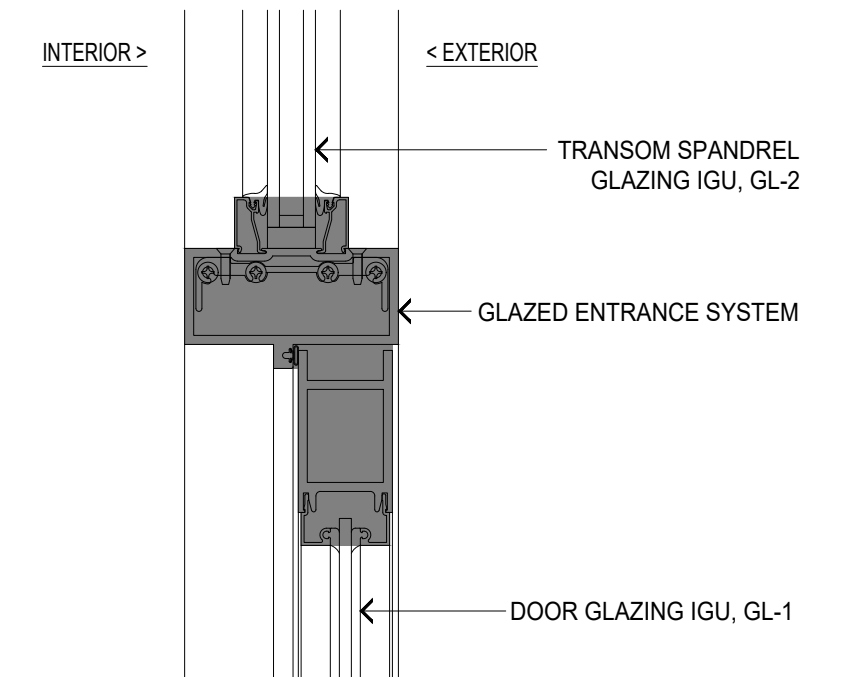
9 AL-H2 TYPICAL SIDE LITE/TRANSOM HEAD DETAIL  
A-601 3'-1'-0" 0 2' 4' 8' 16'



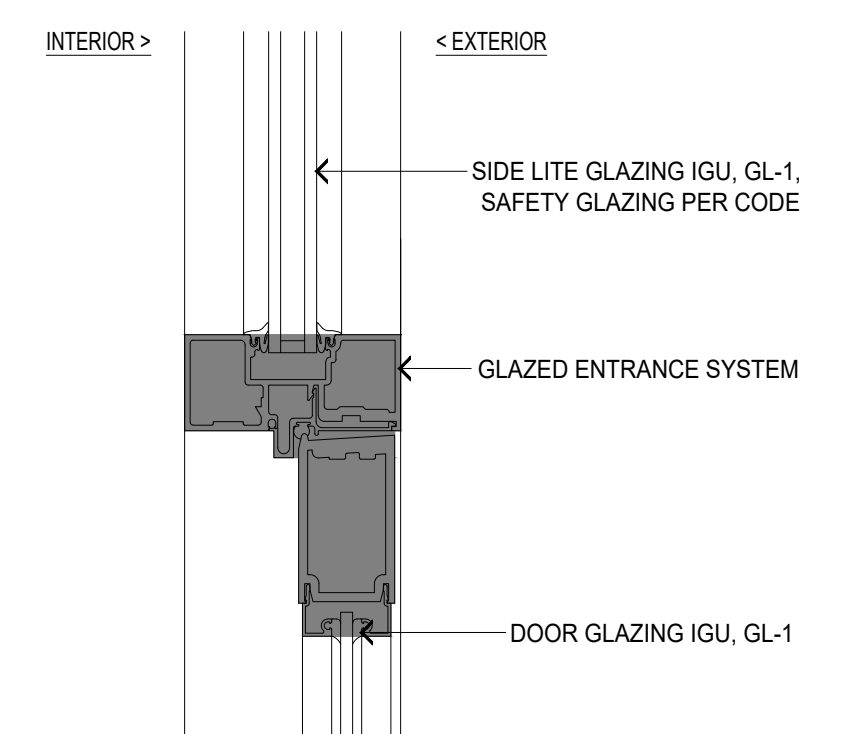
6 AL-J2 TYPICAL SIDE LITE/TRANSOM JAMB DETAIL  
A-601 3'-1'-0" 0 2' 4' 8' 16'



3 AL-S2 TYPICAL DOOR SILL AT COVERED PORCH  
A-601 3'-1'-0" 0 2' 4' 8' 16'



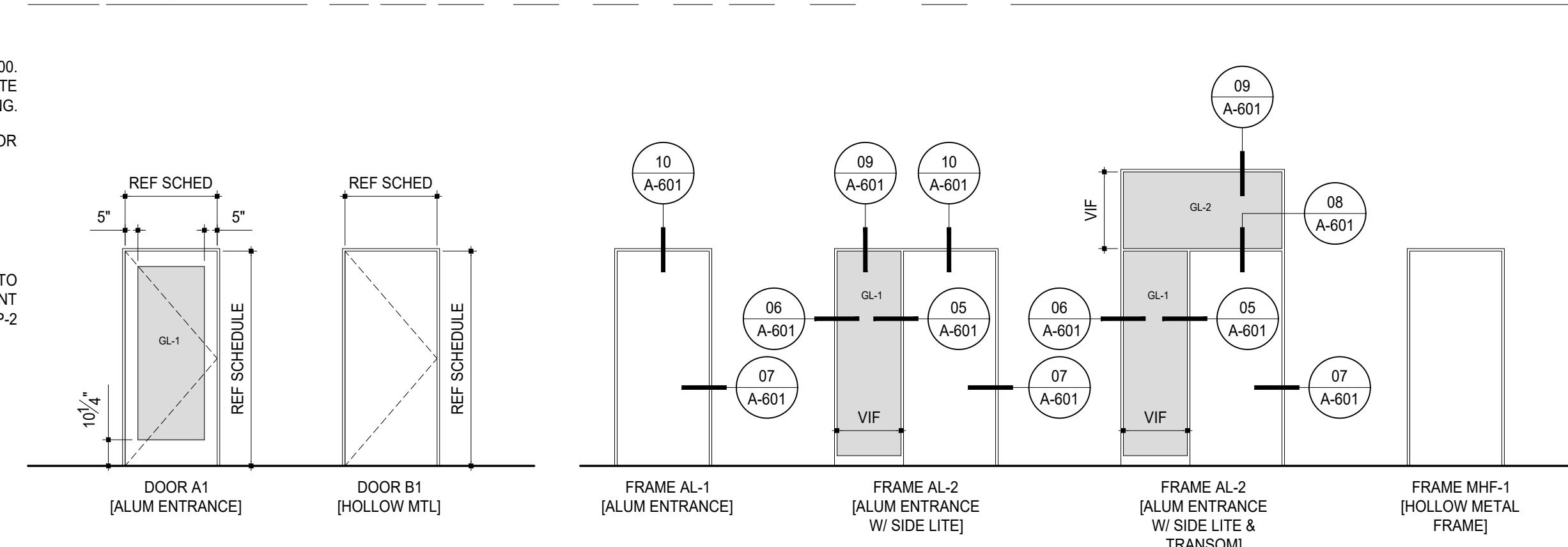
8 AL-H3 TYP TRANSOM BAR DETAIL  
A-601 3'-1'-0" 0 2' 4' 8' 16'



5 AL-J3 TYP DOOR JAMB AT SIDE LITE  
A-601 3'-1'-0" 0 2' 4' 8' 16'

**DOOR SCHEDULE**

| IDENTIFICATION | DOOR             | FRAME          | HARDWARE | REMARKS                                 |
|----------------|------------------|----------------|----------|---|
| 200            | PORCH            | A1 3'-0" 7'-0" | -        | CLR ANODIZED/IGL-1 AL-3 CLR ANODIZED 03 |
| 201            | (E) CORRIDOR     | A1 3'-0" 8'-8" | -        | CLR ANODIZED/IGL-1 AL-1 CLR ANODIZED 04 |
| 302            | (E) CORRIDOR     | A1 3'-0" 7'-0" | -        | CLR ANODIZED/IGL-1 AL-3 CLR ANODIZED 03 |
| 301            | ELECMECH         | B1 3'-0" 8'-8" | P-6      | HMF-1 P-6 02 1 HR                       |
| 302            | (E) CORRIDOR     | A1 3'-0" 7'-0" | -        | CLR ANODIZED/IGL-1 AL-2 CLR ANODIZED 04 |
| 302A           | (E) CORRIDOR     | -              | -        | (E) P-6 01                              |
| 400            | (E) MECH STORAGE | A1 3'-0" 7'-0" | -        | CLR ANODIZED/IGL-1 AL-2 CLR ANODIZED 04 |



2 DOOR TYPES - ELEVATION  
A-601 1/4"=1'-0" 0 1' 2' 4' 8 FT

1 FRAME TYPES - ELEVATION  
A-601 1/4"=1'-0" 0 1' 2' 4' 8 FT

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# ELECTRICAL SYMBOLS

## LUMINAIRES - REFER TO LUMINAIRE SCHEDULE

- LIGHTING FIXTURE
- EMERGENCY LIGHTING FIXTURE
- DOWN LIGHT (OR BOLLARD ON SITE)
- EMERGENCY DOWN LIGHT
- WALL WASH DOWN LIGHT
- EXIT SIGN - CEILING MOUNTED
- EXIT SIGN - WALL, FLAT MOUNTED
- EXIT SIGN - WALL, END MOUNTED
- EXIT SIGN NOTES: SHADING INDICATES ILLUMINATED FACE(S), SEE PLANS FOR DIRECTIONAL ARROWS
- EMERGENCY BATTERY WALL PACK
- TRACK LIGHT - SEE PLANS FOR LENGTHS
- POLE MOUNTED SITE LIGHTING FIXTURE (NUMBER OF HEADS AS SHOWN)
- CEILING FAN (WITH LIGHT SHOWS ON LIGHTING SHEET, FAN ONLY SHOWS ON POWER SHEET)

## LIGHTING CONTROL

- WALL SWITCH +48" AFF
- CEILING MOUNTED OCCUPANCY SENSOR  
PIR - PASSIVE INFRARED  
DT - DUAL TECHNOLOGY  
US - ULTRASONIC  
A - ANALOG TECHNOLOGY
- CEILING MOUNTED DAYLIGHT SENSOR
- PHOTOCCELL, WALL OR CEILING MOUNTED
- LIGHTING TRANSFER SWITCH, SWITCHES POWER SOURCE - MOUNTED ABOVE ACCESSIBLE CEILING SPACE (UL1008)
- EMERGENCY LIGHTING CONTROL BYPASS RELAY, MOUNTED ABOVE ACCESSIBLE CEILING SPACE (UL924)
- CEILING MOUNTED PARTITION WALL SENSOR, PARTITION CLOSED BREAKS LINE OF SIGHT BETWEEN 2 SENSORS
- REMOTE POWER SUPPLY/ REMOTE DRIVER
- 1 ZONE 0-10V LIGHTING CONTROLLER
- 2 ZONE 0-10V LIGHTING CONTROLLER
- 3 ZONE 0-10V LIGHTING CONTROLLER
- 1 ZONE 0-10V DIMMING LIGHTING CONTROLLER
- 2 ZONE 0-10V DIMMING LIGHTING CONTROLLER
- 3 ZONE 0-10V DIMMING LIGHTING CONTROLLER
- 1 ZONE FORWARD PHASE LIGHTING CONTROLLER
- 2 ZONE FORWARD PHASE LIGHTING CONTROLLER
- 1 ZONE REVERSE PHASE LIGHTING CONTROLLER
- LIGHTING CONTROL RELAY FOR BAS INTEGRATION
- LIGHTING CONTROL NETWORK BRIDGE
- ELECTRONIC LINE VOLTAGE TO 0-10V CONTROL RELAY
- PLUG LOAD LIGHTING CONTROLLER
- TIME CLOCK
- LIGHTING CONTROL HEAD END PROCESSOR
- LIGHTING RELAY PANEL - SEE RELAY PANEL SCHEDULE

## LIGHTING CONTROL SUBSCRIPT TAGS

- \* = BLANK = SINGLE POLE TOGGLE SWITCH
- 3 3-WAY TOGGLE SWITCH
- 4 4-WAY TOGGLE SWITCH
- A ANALOG TECHNOLOGY OCCUPANCY SENSOR
- CP ROOM CONTROL PANEL
- CS# DIGITAL LIGHTING CONTROL STATION  
# = NUMBER OF BUTTONS, UP TO 8
- CSD DIGITAL LIGHTING CONTROL STATION - DIMMING DIMMER
- 3D 3-WAY DIMMER SWITCH
- DT DUAL TECHNOLOGY OCCUPANCY SENSOR
- DTS DIGITAL TOUCHSCREEN
- K KEY OPERATED TOGGLE SWITCH
- LV LOW VOLTAGE MOMENTARY SWITCH
- LVD LOW VOLTAGE SWITCH WITH DIMMING
- OS OCCUPANCY SENSOR
- OSD OCCUPANCY SENSOR WITH DIMMING
- PIR PASSIVE INFRARED OCCUPANCY SENSOR
- PL PILOT LIGHTED TOGGLE SWITCH
- R RELAY SWITCH, SINGLE POLE DOUBLE THROW CENTER OFF MOMENTARY SWITCH
- SHC SHADE CONTROLLER
- SPC FAN SPEED CONTROLLER
- T DIGITAL TIMER SWITCH
- US ULTRASONIC OCCUPANCY SENSOR
- VS VACANCY SENSOR
- VSD VACANCY SENSOR WITH DIMMER
- WL WIRELESS
- XP EXPLOSION PROOF

DEVICE HEIGHTS AS ABOVE UNLESS OTHERWISE NOTED ON DRAWINGS.

## RECEPTACLES

- SINGLE RECEPTACLE, RECESSED WALL MOUNTED +18" AFF
- DUPLEX RECEPTACLE, RECESSED WALL MOUNTED +18" AFF
- DUPLEX RECEPTACLE, RECESSED WALL MOUNTED AT +44" AFF, UNLESS OTHERWISE NOTED
- DUPLEX RECEPTACLE WITH TOP OUTLET SWITCHED, BOTTOM OUTLET SHALL BE UNSWITCHED RECESSED WALL MOUNTED +18" AFF
- SWITCHED DUPLEX RECEPTACLE, CONTROLLED BY SWITCHED CIRCUIT, RECESSED WALL MOUNTED +18" AFF
- QUADRUPLEX RECEPTACLE, RECESSED WALL MOUNTED +18" AFF
- QUADRUPLEX RECEPTACLE, RECESSED WALL MOUNTED ABOVE COUNTER +44" AFF
- DUPLEX RECEPTACLE, RECESSED CEILING MOUNTED
- QUADRUPLEX RECEPTACLE, RECESSED CEILING MOUNTED
- SPECIAL PURPOSE RECEPTACLE, RECESSED WALL MOUNTED +18" AFF SEE PLAN FOR SIZE/TYPE
- DUPLEX RECEPTACLE, RECESSED FLOOR MOUNTED
- QUADRUPLEX RECEPTACLE, RECESSED FLOOR MOUNTED
- DEAD FRONT / FACELESS GFCI DEVICE RECESSED WALL MOUNTED +18" AFF, PROTECTS DOWNSTREAM DEVICE
- 4"x4"x2" JUNCTION BOX WITH FINISHED BLANK COVER, RECESSED WALL MOUNTED 18" AFF

## RECEPTACLE SUBSCRIPT TAGS

- \* = CR CORD REEL, SUPPORTED FROM STRUCTURE
- G GROUND FAULT CIRCUIT INTERRUPTING HORIZONTALLY ORIENTED
- H HOSPITAL GRADE
- IG ISOLATED GROUND
- P "DOWNSTREAM PROTECTED" BY GFCI DEVICE ON SAME CIRCUIT
- TR TAMPER RESISTANT
- CU DUPLEX WITH 2 USB PORTS
- WP WEATHERPROOF "WHILE IN USE" COVER
- WR WEATHER RESISTANT
- XP EXPLOSION PROOF

DEVICE HEIGHTS AS ABOVE UNLESS OTHERWISE NOTED ON DRAWINGS.

## ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AL ALUMINUM
- ARC ALUMINUM RIGID CONDUIT
- AUX AUXILIARY
- BOF BOTTOM OF FIXTURE
- C CONDUIT
- CB CIRCUIT BREAKER
- CKT CIRCUIT
- COF CENTER OF FIXTURE
- CU COPPER
- EC ELECTRICAL CONTRACTOR
- EMT ELECTRICAL METALLIC TUBING
- EWC ELECTRIC WATER COOLER
- G GROUND FAULT CIRCUIT INTERRUPTER
- GRC GALVANIZED RIGID CONDUIT
- GRD GROUND
- IMC INTERMEDIATE METAL CONDUIT
- MCB MAIN CIRCUIT BREAKER
- MLO MAIN LUG ONLY
- NC NORMALLY CLOSED
- NF NON FUSED
- NL UNSWITCHED NIGHT LIGHT
- NO NORMALLY OPEN
- NTS NOT TO SCALE
- PVC PVC CONDUIT
- TOF TOP OF FIXTURE
- U USB PORT
- UCR UNDERCABINET RECESSED
- UNO UNLESS NOTED OTHERWISE
- WP WEATHERPROOF
- WPI WEATHERPROOF IN-USE COVER

## DATA / COMMUNICATION DEVICES

- COMMUNICATIONS OUTLET, RECESSED WALL MOUNTED AT 18" AFF. SEE PLANS FOR NUMBER OF AND TYPES OF JACKS
- COMMUNICATIONS OUTLET, RECESSED WALL MOUNTED AT 44" AFF. SEE PLANS FOR NUMBER OF AND TYPES OF JACKS
- COMMUNICATIONS OUTLET, RECESSED FLOOR MOUNTED. SEE PLANS FOR NUMBER OF AND TYPES OF JACKS
- COMMUNICATIONS OUTLET, RECESSED IN CEILING OR SURFACE AT STRUCTURE. SEE PLANS FOR NUMBER OF AND TYPES OF JACKS
- AOR AREA OF REFUGE INTERCOM STATION
- CAMERA CAMERA ROUGH-IN
- DATA SUPPLIED BY FURNITURE MANUFACTURER, INSTALLED AND CONNECTED BY E.C.
- FIBER OPTIC
- INTERCOM INTERCOM
- INTERCOM CALL-IN STATION
- MICROPHONE
- ROUGH-IN ONLY WITH BLANK COVER PLATE
- TELEPHONE
- TELEVISION
- WAP WIRELESS ACCESS POINT
- EXPLOSION PROOF

DEVICE HEIGHTS AS ABOVE UNLESS OTHERWISE NOTED ON DRAWINGS.

- SPEAKER RECESSED CEILING MOUNTED
- SPEAKER, WALL MOUNTED - REFER TO AUDIO/VISUAL DETAIL SHEET
- SPEAKER VOLUME CONTROL RECESSED WALL MOUNTED +54" AFF
- PROGRAM BELL WALL MOUNTED +90" AFF
- CLOCK WALL MOUNTED +90" AFF
- CLOCK OUTLET WALL MOUNTED +90" AFF

## SECURITY

- CAMERA WALL MOUNTED +9'-0" AFF  
F=FIXED, PTZ=PAN-TILT-ZOOM
- CAMERA CEILING MOUNTED  
F=FIXED, PTZ=PAN-TILT-ZOOM
- CARD READER
- DELAY EGRESS
- DOOR CONTACT / DOOR POSITION
- DOOR POWER SUPPLY
- DOOR SENSOR
- DOOR UNLOCK SELECTOR SWITCH
- ELECTRIC EXIT
- ELECTRIC LOCK
- ELECTRIC STRIKE
- EXIT ALARM
- EXIT REQUEST
- GLASS BREAKAGE DETECTOR
- KEY SWITCH
- LIQUID LEVEL SENSOR
- MAGNETIC LOCK
- MOTION DETECTOR
- LONG RANGE MOTION DETECTOR
- NUMERIC KEYPAD
- PANIC BUTTON
- POWER TRANSFER
- ROOF HATCH SENSOR
- TEMPERATURE SENSOR
- CCTV/SECURITY VIDEO MONITOR

## POWER EQUIPMENT

- SINGLE SECTION PANELBOARD
- TWO SECTION PANELBOARD
- DISTRIBUTION PANEL
- SWITCHBOARD
- PAD MOUNTED TRANSFORMER, SEE PLAN FOR TYPE AND SIZE
- AUTOMATIC TRANSFER SWITCH
- FACTORY WIRE CONTROL PANEL
- VARIABLE FREQUENCY DRIVE
- SINGLE PHASE MANUAL MOTOR STARTER WITH PILOT LIGHT
- RELAY IN BOX
- DISCONNECT SWITCH
- MAGNETIC STARTER
- COMBINATION MAGNETIC STARTER/ DISCONNECT SWITCH
- LINE VOLTAGE THERMOSTAT
- GROUND BUS BAR AT 18" AFF
- CONTACTOR AT 48" AFF
- UTILITY METER
- REMOTE GENERATOR ANNUNCIATOR AT 48" AFF
- PUSH-BUTTON RECESSED WALL MOUNTED +48" AFF
- PUSH PLATE BUTTON RECESSED WALL MOUNTED +48" AFF
- MUSHROOM HEAD/EMERGENCY PUSH BUTTON RECESSED WALL MOUNTED +48" AFF

## WIRING SYMBOLS

- CONDUIT DOWN
- CONDUIT UP
- CONDUIT CAPPED
- CONDUIT BREAK/CONTINUED
- CONDUIT STUB WITH GROMMET
- GROUND
- EXISTING
- DEMOLITION WORK
- NEW WORK
- CONDUIT CONCEALED IN SLAB OR IN ACCESSIBLE SPACE BELOW
- CONDUIT EXPOSED
- CONDUIT CONCEALED IN WALL OR ABOVE CEILING
- VERTICAL WIREWAY
- CABLE TRAY
- CONDUIT SLEEVE (SIZED TO 40% FILL, 2" MINIMUM) UNLESS NOTED OTHERWISE

## MOUNTING HEIGHTS

ALL MOUNTING HEIGHTS ARE AS GIVEN UNLESS OTHERWISE NOTED ON PLANS  
ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE UNLESS OTHERWISE NOTED.

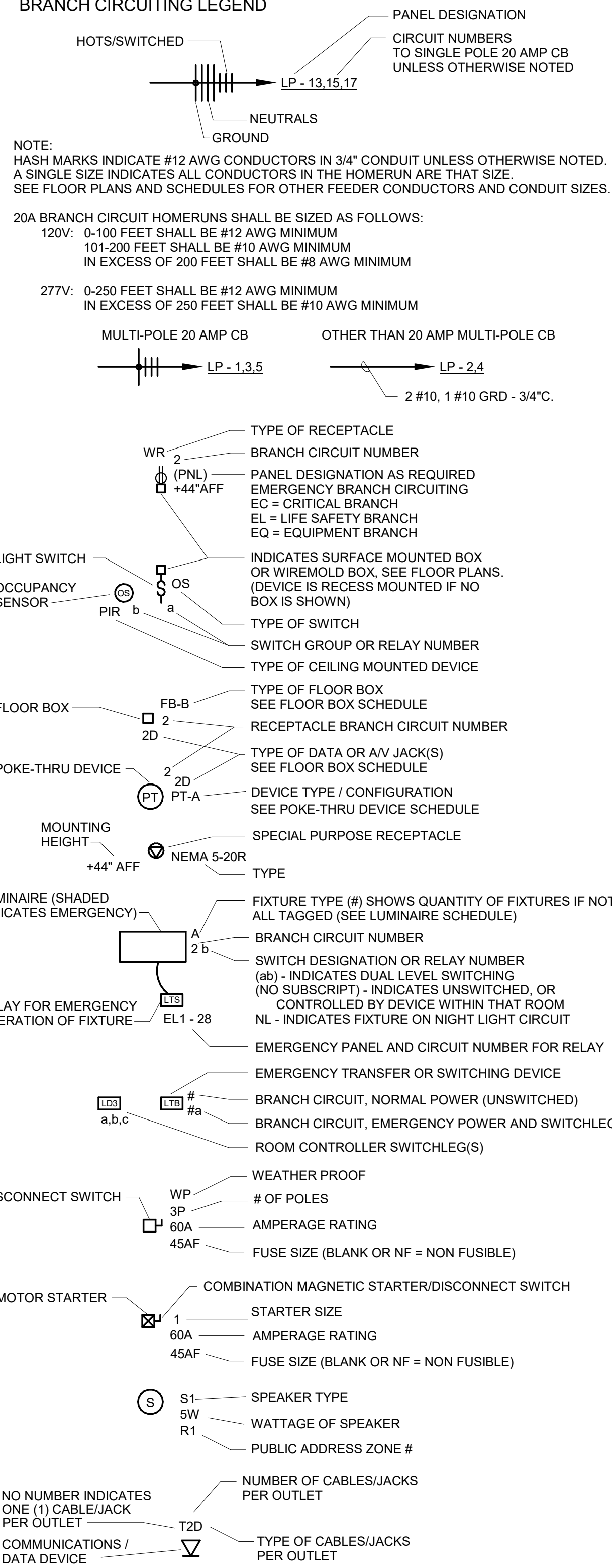
## FIRE ALARM

- FIRE ALARM CONTROL PANEL
- FIRE ALARM TRANSPONDER PANEL
- FIRE ALARM ANNUNCIATOR
- FIRE ALARM REMOTE POWER SUPPLY
- REMOTE MICROPHONE
- MANUAL PULL STATION (C = PROTECTIVE COVER)
- SMOKE DETECTOR (CEILING MOUNTED) (SB = SOUNDER BASE / RB = RELAY BASE)
- SMOKE DETECTOR (WALL MOUNTED) (SB = SOUNDER BASE / RB = RELAY BASE)
- DUCT MOUNTED SMOKE DETECTOR (S = SUPPLY / R = RETURN)
- DUCT SMOKE DETECTOR (WALL/VERTICALLY MOUNTED) (S = SUPPLY / R = RETURN)
- HEAT DETECTOR (CEILING MOUNTED) (FT = FIXED TEMPERATURE / RR = RATE OF RISE)
- HEAT DETECTOR (WALL MOUNTED) (FT = FIXED TEMPERATURE / RR = RATE OF RISE)
- AUDIBLE/VISUAL NOTIFICATION APPLIANCE (HORN) (CEILING MOUNTED) XX cd = CANDELA RATING
- VISUAL NOTIFICATION APPLIANCE (CEILING MOUNTED) XX cd = CANDELA RATING
- SPEAKER/VISUAL NOTIFICATION APPLIANCE (VOICE) (CEILING MOUNTED) XX cd = CANDELA RATING
- SPEAKER NOTIFICATION APPLIANCE (VOICE) (CEILING MOUNTED) XW = WATTAGE TAP
- AUDIBLE/VISUAL NOTIFICATION APPLIANCE (HORN) (WALL MOUNTED) XX cd = CANDELA RATING
- VISUAL NOTIFICATION APPLIANCE (WALL MOUNTED) XX cd = CANDELA RATING
- SPEAKER/VISUAL NOTIFICATION APPLIANCE (VOICE) (WALL MOUNTED) XX cd = CANDELA RATING
- SPEAKER NOTIFICATION APPLIANCE (VOICE) (WALL MOUNTED) XW = WATTAGE TAP
- BELL APPLIANCE (WALL MOUNTED)
- RELAY
- MONITOR MODULE (SINGLE / DUAL - SINGLE IF NOT MARKED)
- CONTROL MODULE (PROVIDE RELAY IF CONTACT RATING IS EXCEEDED)
- FIRE FIGHTER'S PHONE JACK
- DOOR HOLDER (W = WALL MOUNTED / F = FLOOR MOUNTED - WALL IF NOT MARKED)
- REMOTE TEST STATION
- REMOTE DEVICE LED INDICATOR
- TRANSIENT SUPPRESSION MODULE
- ISOLATION MODULE
- TAMPER SWITCH (BY OTHERS)
- FLOW SWITCH (BY OTHERS)
- HI / LOW PRESSURE SWITCH (BY OTHERS)
- MOTORIZED FIRE/SMOKE DAMPER (BY OTHERS)
- POST INDICATOR VALVE (BY OTHERS)
- POWER SUPERVISION RELAY
- END OF LINE RESISTOR

## FIRE ALARM SUBSCRIPT TAGS

- \* = CV CONVENTIONAL 120 VOLT DEVICE
- WG WIRE GUARD
- WP WEATHERPROOF
- XP EXPLOSION PROOF
- DEVICE HEIGHTS AS BELOW UNLESS OTHERWISE NOTED ON DRAWINGS:
- WALL MOUNTED ANNUNCIATOR +48" AFF
- WALL MOUNTED MICROPHONE OR JACK +48" AFF
- WALL MOUNTED NOTIFICATION DEVICE +80" AFF
- WALL MOUNTED PULL STATION +48" AFF
- WALL MOUNTED DETECTOR +80" AFF
- COORDINATE FIRE ALARM RELAYS, MODULES, AND DUCT/PIPE MOUNTED DEVICES WITH OTHER TRADES

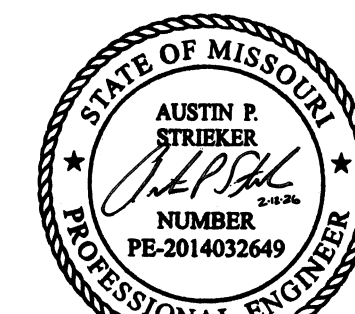
## BRANCH CIRCUITING LEGEND



## ELECTRICAL SHEET INDEX

| SHEET NO. | SHEET NAME                            |
|-----------|---------------------------------------|
| E-000     | ELECTRICAL SYMBOLS AND ABBREVIATIONS  |
| E-020     | LIGHTING SCHEDULES, DETAILS, DIAGRAMS |
| E-021     | LIGHTING SCHEDULES, DETAILS, DIAGRAMS |
| E-022     | LIGHTING SCHEDULES, DETAILS, DIAGRAMS |
| E-101     | FLOOR PLANS - ELECTRICAL DEMOLITION   |
| E-102     | FLOOR PLANS - ELECTRICAL DEMOLITION   |
| E-103     | SITE PLAN - ELECTRICAL                |
| E-201     | FLOOR PLANS - LIGHTING                |
| E-202     | FLOOR PLANS - LIGHTING                |
| E-301     | FLOOR PLANS - ELECTRICAL              |
| E-302     | FLOOR PLANS - ELECTRICAL              |

STATE OF MISSOURI  
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SAINT LOUIS, MO 63110

PROJECT # E2332-01  
ASSET # 5012011017

REVISION: \_\_\_\_\_  
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: MPH  
CHECKED BY: MJC  
DESIGNED BY: MPH

## SHEET TITLE: ELECTRICAL SYMBOLS AND ABBREVIATIONS

SHEET NUMBER:

# E-000



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ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: SW  
CHECKED BY: MJC  
DESIGNED BY: SW

SHEET TITLE:  
**LIGHTING  
SCHEDULES,  
DETAILS &  
DIAGRAMS**

SHEET NUMBER:

**E-020**

**LUMINAIRE SCHEDULE**

| TYPE   | MANUFACTURER | MODEL NUMBER   | APPROVED EQUALS                             | DESCRIPTION  | VOLTAGE | WATTAGE | CCT   | CRI | DIMMING TYPE | MOUNTING                | REMARKS  |
|--|--------------|--|---|--|---------|---------|-------|-----|--------------|-------------------------|--|
| AA   | KLIK         | LP40 35K A 15XX FR 500 BLK<br>(INCLUDE DRIVER CABINET) | WAGNER                                      | EXTERIOR HANDRAIL<br>LIGHTING                              | 24V/120 | 2.0W    | 3500K | 90+ | 0-10V        | INTEGRAL<br>HANDRAIL    | PROVIDE REMOTE DRIVER FOR APPROXIMATELY EVERY 60 FEET OF LIT HANDRAIL (OR PER APPROVED MANUFACTURERS RECOMMENDATION). PROVIDE DRIVERS IN ACCESSIBLE LOCATION OUT OF VIEW. A PRE-INSTALLATION MEETING SHALL TAKE PLACE WITH CONTRACTORS TO ENSURE APPROVED DOCUMENTS ARE PROVIDED WITH CORRECT DRIVER AND LIGHT NODE LOCATIONS. PROVIDE DETAILED SHOP DRAWINGS OF STEEL WITH PRE-DRILLED LIGHTING NODE LOCATIONS SHOWN WITH DIMENSIONS AND PREFERRED DRIVER BOX LOCATIONS/ DISTANCE LIMITATIONS. LOCATE LED NODE IN PRE-DRILLED HOLES EVERY 2'-0" CENTERED BETWEEN HANDRAIL SUPPORTS. PROVIDE 12 AWG WIRING (OR AS REQUIRED). REMOTE POWER SUPPLY LOCATIONS ARE SHOWN ON LIGHTING DRAWING FOR REFERENCE ONLY.<br>(APPROXIMATELY 330' OF LIT HANDRAIL) |
| DA   | BROWNLEE     | 7200 TZ L32 35K 90R                                    | AS REQUIRED                                 | EXTERIOR SURFACE<br>DOWNLIGHT                              | 120V    | 32W     | 3500K | 90+ | 0-10V        | SURFACE/<br>JBOX        |  |
| GA   | WILLIAMS     | ASM 4 L46 935 S S                                      | AS REQUIRED                                 | LOW-PROFILE<br>ARCHITECTURAL<br>SURFACE WRAP               | 120V    | 33W     | 3500K | 90+ | 0-10V        | CEILING/<br>SURFACE     |  |
| GB   | WILLIAMS     | 75R L50 935 FP GEN                                     | ACUITY ZL1N<br>DAYBRITE FSS<br>METALLUX SNX | 4FT ROUND FULL FROSTED<br>LENSED STRIP                     | 120V    | 50W     | 3500K | 90+ | 0-10V        | SUSPENDED<br>OR SURFACE |  |
| SA   | VISTA        | 1043 B MF 35 F MV ND HS/HL (CP-150)                    | HYDREL<br>BULLARD                           | LANDSCAPE FLOOD  | 120V    | 20W     | 3500K | 80  | NON-DIMMING  | STAKE                   | PROVIDE WITH MANUFACTURER STAKE FOR MOUNTING   |
| WA   | ISOLITE      | ODM 10 EM BA MM SD/3200K                               | SIGNTEX MUE                                 | EXTERIOR EGRESS<br>BATTERY UNIT                            | 120V    | 10W     | 3200K | -   | 0-10V        | MULLION                 | ILLUMINATES ONLY IN THE EVENT OF POWER FAILURE   |
| WB   | BROWNLEE     | BRICK-OD 7077 2 TZ H24                                 | AS REQUIRED                                 | EXTERIOR WALL SCONCE                                       | 120V    | 24W     | 3500K |     | TRIAC        | WALL                    | PROVIDE SURFACE CONDUIT ON FAÇADE. EXTENDED BACKBOX WITH CONDUIT PASS-THROUGH ENTRY/ EXIT. COORDINATE DRILLING REQUIREMENTS WITH APPROVED MANUFACTURER.<br>PAINT ALL EXPOSED SURFACE MOUNTED CONDUIT   |
| XA   | WILLIAMS     | EXIT/EM/W SF R BLK D                                   | AS REQUIRED                                 | COMBINATION EXIT SIGN/<br>EMERGENCY UNIT<br>EXTERIOR RATED | 120V    | 3.1     | RED   | -   | -            | WALL/<br>SURFACE        | PAINT ALL EXPOSED CONDUIT AS REQUIRED. REFER TO ELECTRICAL PLANS FOR REQUIRED ARROWS/MOUNTING.<br>SELF-TESTING.  |
| XB   | DUAL-LITE    | EVEURW-EI  | AS REQUIRED                                 | SINGLE-FACED<br>EXIT SIGN                                  | 120V    | 2       | RED   | -   | -            | CEILING                 | REFER TO ELECTRICAL PLANS FOR REQUIRED ARROWS/MOUNTING.<br>SELF-TESTING.   |
| XC   | DUAL-LITE    | EVCURW-I   | AS REQUIRED                                 | COMBINATION EXIT SIGN/<br>EMERGENCY UNIT<br>DOUBLE-FACED   | 120V    | 3.1     | RED   | -   | -            | CEILING                 | REFER TO ELECTRICAL PLANS FOR REQUIRED ARROWS/MOUNTING.<br>SELF-TESTING.   |
| <b>GENERAL NOTE:</b><br>LIGHT FIXTURE SUBSTITUTIONS TO THE BASIS OF DESIGN MUST BE EQUAL QUALITY, EQUAL PERFORMANCE, AND SUBMITTED 10 DAYS PRIOR TO BIDDING FOR PRE-APPROVAL. REFERENCE DIVISION 01 - 'GENERAL REQUIREMENTS' OF THE CONTRACT SPECIFICATIONS FOR PROCESS REQUIRED FOR PRE-APPROVAL. NO SUBSTITUTIONS WILL BE REVIEWED AFTER BASE-BIDS ARE ACCEPTED. |              |  |   |  |         |         |       |     |              |                         |  |

**LIGHTING INVERTER SCHEDULE**

| INVERTER<br>DESIGNATION | LOCATION          | MOUNTING       | OUTPUT RATING (VA) |           | INPUT<br>VOLTAGE | OUTPUT<br>VOLTAGE | DIMMING<br>BY-PASS | DIMMING<br>CONTROL | OUTPUT CIRCUIT QTY. |              | WARRANTY (YEARS) |                  | MANUFACTURER-<br>MODEL | REMARKS  |
|-------------------------|-------------------|----------------|--------------------|-----------|------------------|-------------------|--------------------|--------------------|---------------------|--------------|------------------|------------------|------------------------|--|
|                         |                   |                | NORMAL             | EMERGENCY |                  |                   |                    |                    | NORMALLY ON         | NORMALLY OFF | UNIT             | BATTERY-PRORATED |                        |  |
| INV-A                   | ELEC/<br>MECH 300 | WALL/STRUCTURE | 750                | 750       | 120,1P2W         | 120,1P2W          | YES                | YES                | 1                   | N/A          | 2 YEARS          | 9 YEARS          | MYERS LV4 R 1          | INVERTER SERVES NEW EGRESS STAIR<br>AND ADJACENT AREA(S) |
| GENERAL NOTES:<br>1.    |                   |                |                    |           |                  |                   |                    |                    |                     |              |                  |                  |                        |  |



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PROJECT # E2332-01  
ASSET # 5012011017

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DATE: \_\_\_\_\_

ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: SW \_\_\_\_\_  
CHECKED BY: MJC \_\_\_\_\_  
DESIGNED BY: SW \_\_\_\_\_

SHEET TITLE:  
**LIGHTING  
SCHEDULES,  
DETAILS &  
DIAGRAMS**  
SHEET NUMBER:

**E-021**

## LIGHTING CONTROL MATRIX

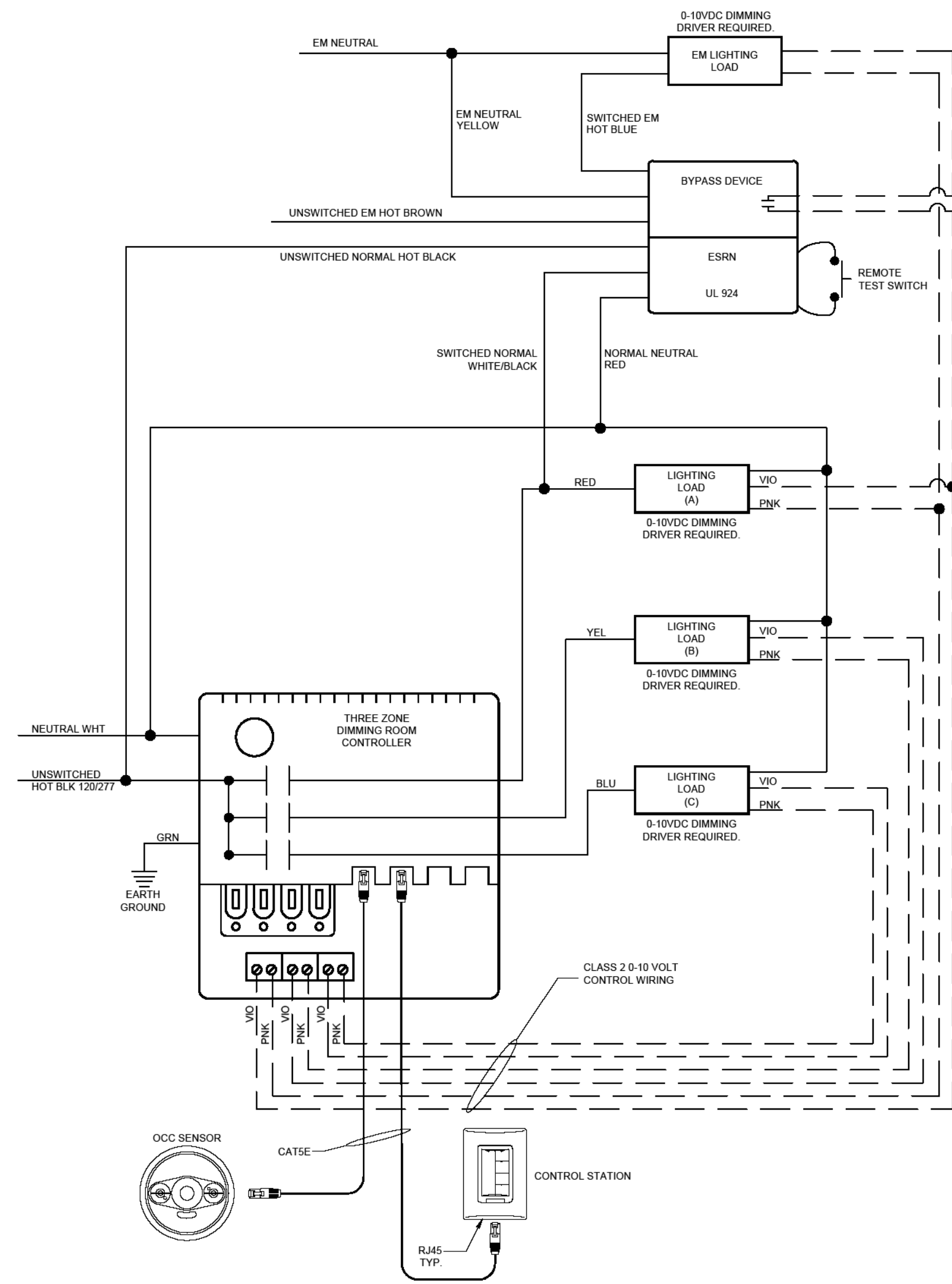
| ROOM TYPE               | MANUAL ON        | AUTO ON | AUTO-OFF (MINUTES) | PARTIAL OFF - NORMAL HOURS | AUTO OFF - AFTER HOURS | WALL OCCUPANCY/VACANCY | CEILING OCCUPANCY/VACANCY | WALL SWITCH  | DIMMER SWITCH | SCENE CONTROL | VERRIDE SWITCH | DIGITAL TIMER | FULL RANGE   | MULTI-ZONE | STEP DIMMING | NON-DIM | DAY LIGHT HARVESTING | CONTINUOUS DIMMING | ON/OFF | TIME ON | TIME OFF  | ASTRONOMICAL | PLUG LOAD | STANDALONE | ANALOG | NETWORK | DIGITAL | BAS INTEGRATION | AV INTEGRATION | SHADE CONTROL | ON | OFF  | VERRIDE  | ADDITIONAL INFORMATION |
|-------------------------|------------------|---------|--------------------|----------------------------|------------------------|------------------------|---------------------------|--------------|---------------|---------------|----------------|---------------|--------------|------------|--------------|---------|----------------------|--------------------|--------|---------|-----------|--------------|-----------|------------|--------|---------|---------|-----------------|----------------|---------------|----|--|--|------------------------|
|                         | OCCUPANCY SENSOR |         |                    | CONTROL INTERFACE          |                        |                        |                           | DIMMING TYPE |               |               | DAY LIGHT CTL  |               | TIME CONTROL |            | SYSTEM       |         |                      |                    |        |         | PHOTOCELL |              |           |            |        |         |         |                 |                |               |    |  |  |                        |
| EXTERIOR STAIR TOWER    |                  | 100%    |                    |                            | 50%                    |                        |                           |              |               |               |                |               | X            |            |              |         |                      |                    |        |         | DUSK      | DAWN         |           |            |        | X       | X       | X               |                |               |    | X  | PROVIDE DIGITAL TOUCHSCREEN - AUTO-OFF TO 50% AT NIGHT SHALL BE COORDINATED WITH CLIENT DURING FINAL PROGRAMMING |                        |
| EXTERIOR EGRESS DOOR    |                  | X       |                    |                            |                        |                        |                           |              |               |               |                |               | X            |            |              |         |                      |                    |        |         |           |              |           |            | X      | X       | X       |                 |                |               |    | MULLION MOUNT - ON ONLY IN THE EVENT OF POWER FAILURE  |  |                        |
| EXTERIOR PORCH/ TERRACE |                  | X       | 20                 |                            |                        |                        | X                         |              |               | X             |                |               | X            |            |              |         |                      |                    |        |         | DUSK      | DAWN         |           |            | X      | X       | X       |                 |                |               | X  | PROVIDE DIGITAL TOUCHSCREEN - AUTO-OFF TO 50% AT NIGHT SHALL BE COORDINATED WITH CLIENT DURING FINAL PROGRAMMING |  |                        |
| ELEC/MECH               | X                |         |                    |                            |                        |                        |                           |              |               |               |                |               |              |            |              | X       |                      |                    |        |         |           |              | X         |            |        |         |         |                 |                |               |    | SWITCH ONLY - SAFETY PRECAUTION  |  |                        |
| VESTIBULE/CORRIDOR      | X                |         | 20                 |                            |                        |                        | X                         | X            |               |               |                |               |              |            |              | X       |                      |                    |        |         |           |              |           | X          | X      | X       |         |                 |                |               |    |  |  |                        |
| STORAGE                 | X                |         | 5                  |                            |                        |                        |                           |              |               |               |                |               |              |            |              | X       |                      |                    |        |         |           |              | X         |            |        |         | X       |                 |                |               |    |  |  |                        |
| LANDSCAPE               |                  |         |                    |                            |                        |                        |                           |              |               |               |                |               |              |            |              | X       |                      |                    |        |         |           |              |           |            | X      | X       |         |                 |                |               | X  |  |  |                        |

GENERAL NOTES:  
1. CONTROL DEVICE QUANTITIES SHOULD BE SELECTED FROM THE ELECTRICAL DRAWINGS, NOT THIS SPREADSHEET.  
2. NETWORKING REQUIREMENTS TO BE DETERMINED BY EACH MANUFACTURER. SEE NETWORK COLUMN ABOVE. ALL AREAS DENOTED AS NETWORK SHALL BE CONNECTED TO LIGHTING CONTROL SYSTEM (EXISTING WATTSTOPPER VANTAGE SYSTEM) ALLOWING FOR TIME BASED CONTROL NEEDS AND BAS INTEGRATION.  
3. LIGHTING CONTROL MANUFACTURER SHALL INCLUDE THE FOLLOWING SITE VISITS TO SUPPORT CONSTRUCTION: A PRE-CABLING MEETING WITH EC AND ENGINEER PRIOR TO INITIAL ROUGH-IN, 2 FACTORY STARTUPS TO COINCIDE WITH PROJECT PHASING (IF APPLICABLE).  
4. LIGHTING CONTROL MANUFACTURER SHALL INCLUDE 1HR OWNER TRAINING DURING EACH STARTUP VISIT.  
5. LIGHTING CONTROLS MANUFACTURER SHALL INCLUDE A FOLLOW UP VISIT 3 MONTHS AFTER FINAL OCCUPANCY TO ADDRESS FINAL PUNCHLIST AND COMMISSIONING REPORT NEEDS. NOTICE SHALL BE GIVEN TO ENGINEER FOR SCHEDULING OF FOLLOW UP VISIT.  
6. ALL LIGHTING CONTROL SHALL BE TIED INTO THE EXISTING WATTSTOPPER VANTAGE CONTROL SYSTEM.  
7. BAS INTEGRATION SHALL BE COORDINATED WITH CLIENT & ARCHITECT....

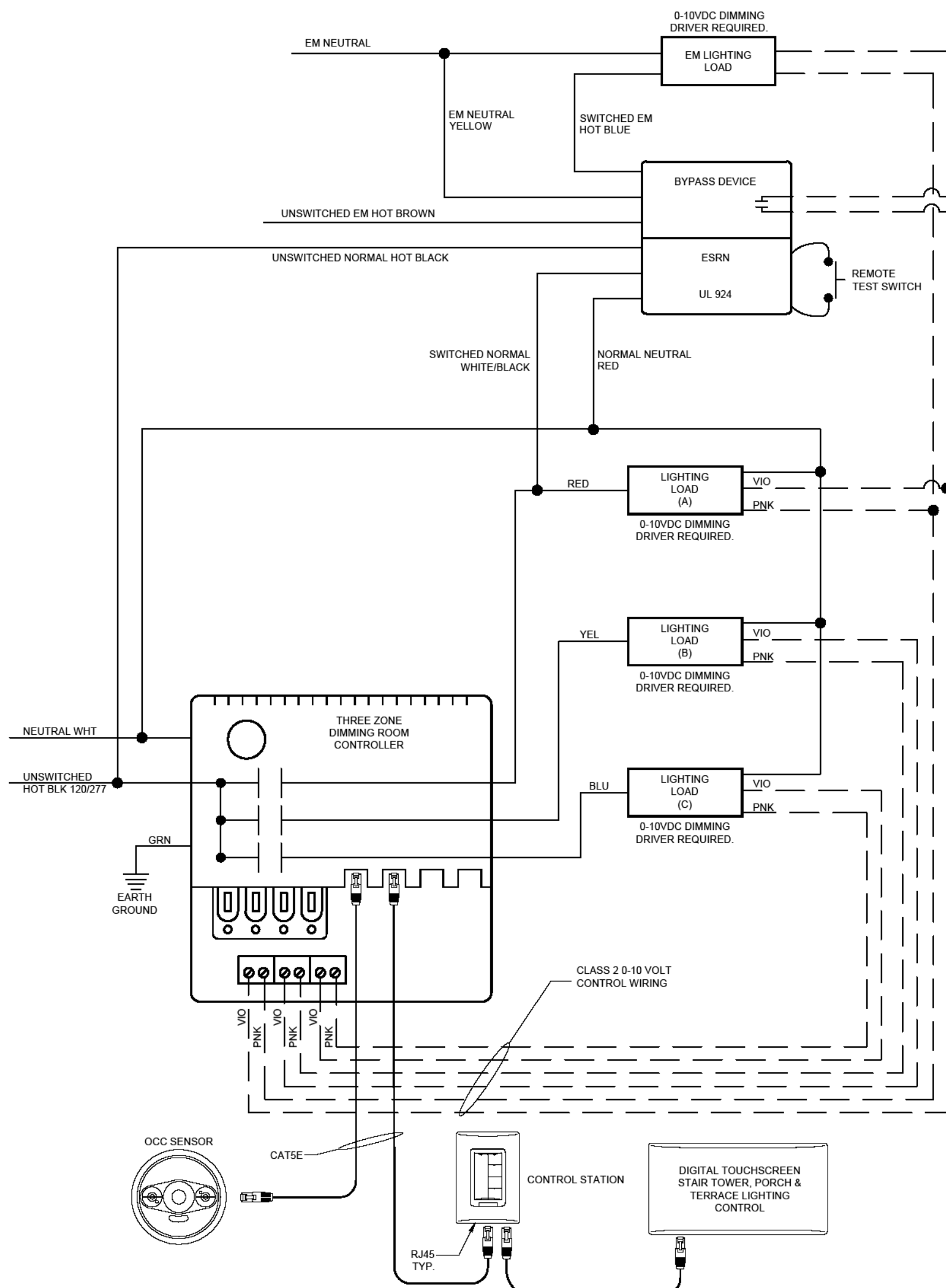
## LIGHTING CONTROL - RELAY PANEL SCHEDULE

| RELAY PANEL... | RELAY NUMBER | PANEL NAME | CIRCUIT NUMBER | SPACE TYPE/ CONTROL DESCRIPTION  | RELAY TYPE   | CONTROL TYPE/ LOCATION                          | CONTROLTYPE                                 |
|----------------|--------------|------------|----------------|----------------------------------|--------------|---|---|
| LRP1           | R1           | LPL2       | 36             | STAIR TOWER - HANDRAIL (TYPE AA) | 24V/120V, 1P | LEVEL 3 BACK OF HOUSE, PORCH DOOR, TERRACE DOOR | DTS/CS6/ LTB (NOTE 1, 2, 3) 0-10V           |
| LRP1           | R2           | LPL2       | 36             | STAIR TOWER - HANDRAIL (TYPE AA) | 24V/120V, 1P | LEVEL 3 BACK OF HOUSE, PORCH DOOR, TERRACE DOOR | DTS/CS6/ LTB (NOTE 1, 2, 3) 0-10V           |
| LRP1           | R3           | LPL2       | 38             | LANDSCAPE (TYPE SA)              | 120V, 1P     | LRP1  | 0-10V, AUTO ON/ OFF WITH PHOTOCELL OVERRIDE |
| LRP1           | R4           | LPL2       | 34             | TERRACE WALL (TYPE WB)           | 120V, 1P     | LEVEL 3 BACK OF HOUSE, PORCH DOOR, TERRACE DOOR | DTS/CS6 (NOTE 3) 0-10V                      |
| LRP1           | R5           | LPL2       | 34             | PORCH WALL (TYPE WB)             | 120V, 1P     | LEVEL 3 BACK OF HOUSE, PORCH DOOR, TERRACE DOOR | DTS/CS6 (NOTE 3) 0-10V                      |
| LRP1           | R6           | LPL2       | 34             | PORCH CEILING (TYPE DA)          | 120V, 1P     | LEVEL 3 BACK OF HOUSE, PORCH DOOR, TERRACE DOOR | DTS/CS6/ LTB (NOTE 1, 2, 3) 0-10V           |
| LRP1           | R7           | LPL2       | 36             | TERRACE HANDRAIL (TYPE AA)       | 24V/120V, 1P | LEVEL 3 BACK OF HOUSE, PORCH DOOR, TERRACE DOOR | DTS/CS6/ LTB (NOTE 1, 2, 3) 0-10V           |
| LRP1           | R8           | LPL2       | 36             | PORCH HANDRAIL (TYPE AA)         | 24V/120V, 1P | LEVEL 3 BACK OF HOUSE, PORCH DOOR, TERRACE DOOR | DTS/CS6/ LTB (NOTE 1, 2, 3) 0-10V           |
| LRP1           | R9           |            |                | SPARE                            | --           | --  | --  |
| LRP1           | R10          |            |                | SPARE                            | --           | --  | --  |
| LRP1           | R11          |            |                | SPARE                            | --           | --  | --  |
| LRP1           | R12          |            |                | SPARE                            | --           | --  | --  |
| LRP1           | R13          |            |                | SPARE                            | --           | --  | --  |
| LRP1           | R14          |            |                | SPARE                            | --           | --  | --  |
| LRP1           | R15          |            |                | SPARE                            | --           | --  | --  |
| LRP1           | R16          |            |                | SPARE                            | --           | --  | --  |

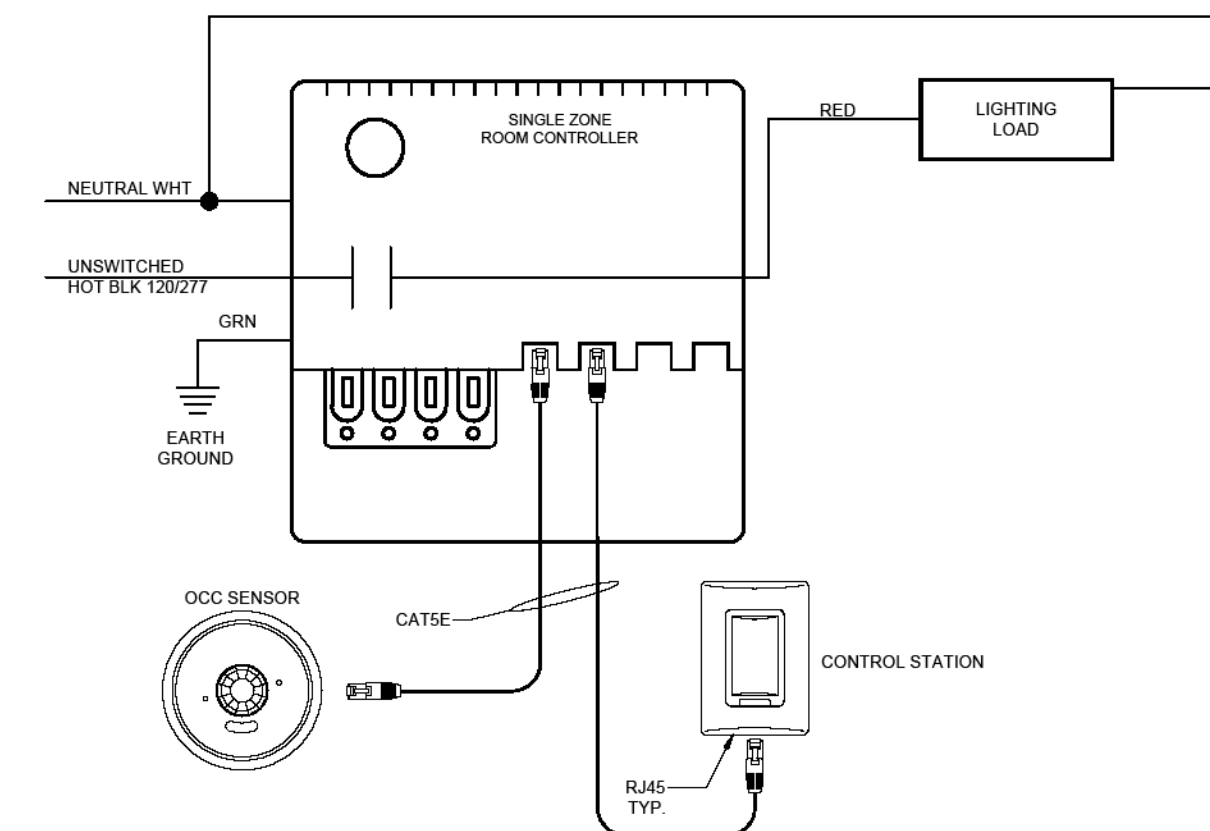
GENERAL NOTES:  
EXTEND NEW CONTROLS TO EXISTING WATTSTOPPER VANTAGE CONTROL SYSTEM.  
COORDINATE FINAL PROGRAMMING WITH ENGINEER AND OWNER. REFER TO LIGHTING PLANS FOR LOCATION OF RELAY PANEL.  
NOTES:  
1. PROGRAM SHALL REDUCE TO 50% OUTPUT AFTER HOURS.  
2. ALL EMERGENCY LIGHTING SHALL TRANSFER THROUGH EMERGENCY BYPASS. ALL LIT HANDRAIL IS CONSIDERED EMERGENCY EGRESS LIGHTING.  
3. REFER TO DRAWING E-301 FOR PANEL LPL2 LOCATION.



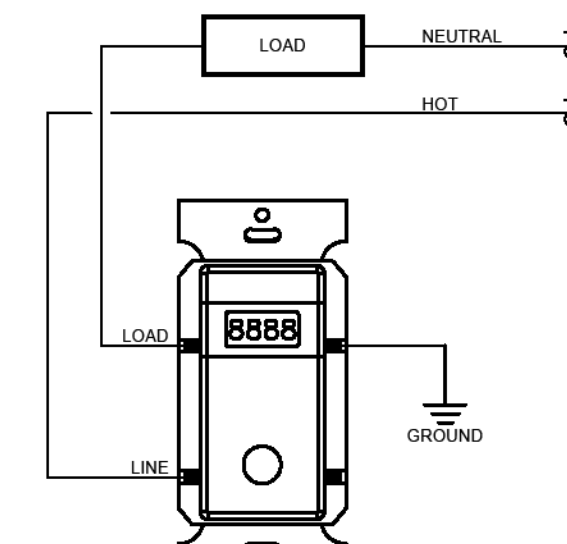
**3 ZONE DIM WITH 1 EM**  
SCALE: NO SCALE



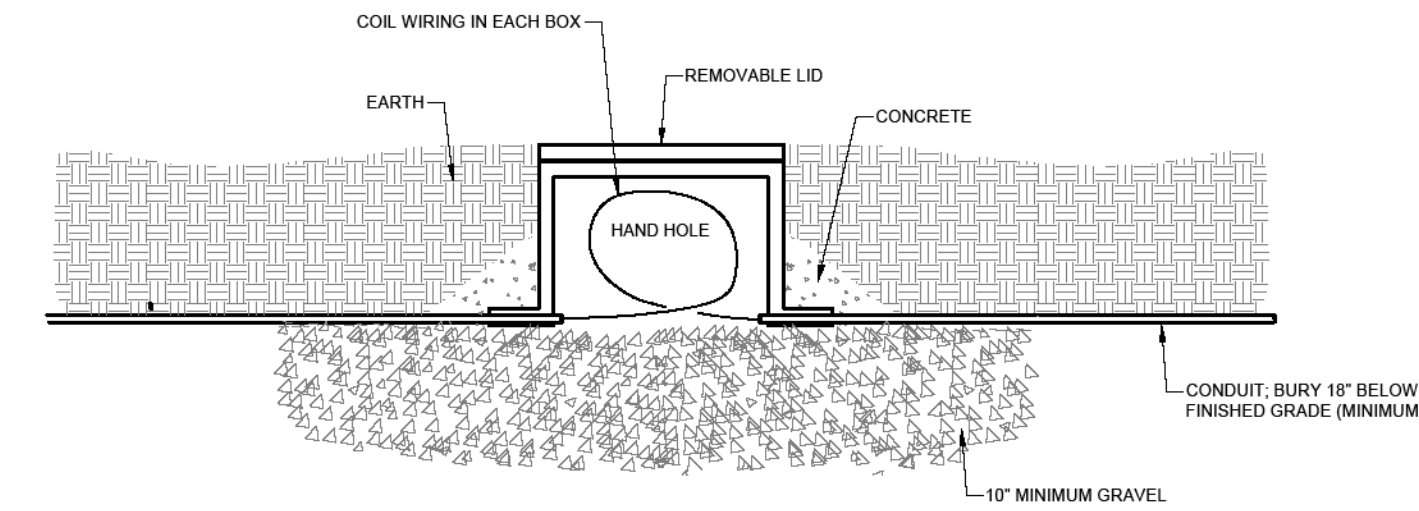
**3 ZONE DIM WITH 1 EM**  
SCALE: NO SCALE



**1 ZONE ON/OFF - W/ PIR**  
SCALE: NO SCALE



**TYPICAL DIGITAL TIMER DIAGRAM**  
SCALE: NO SCALE  
REFERENCE LIGHTING CONTROL MATRIX FOR FURTHER DETAIL WIRING  
DIAGRAM IS BASED ON WATTSTOPPER LIGHTING CONTROLS



**HAND HOLE DETAIL**  
NO SCALE



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EGRESS STAIR

MISSOURI  
SCHOOL FOR THE BLIND  
3815 MAGNOLIA AVENUE  
SAINT LOUIS, MO 63110

PROJECT # E2332-01  
ASSET # 5012011017

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: SW  
CHECKED BY: MJC  
DESIGNED BY: SW

SHEET TITLE:  
**LIGHTING  
SCHEDULES,  
DETAILS &  
DIAGRAMS**

SHEET NUMBER:

**E-022**



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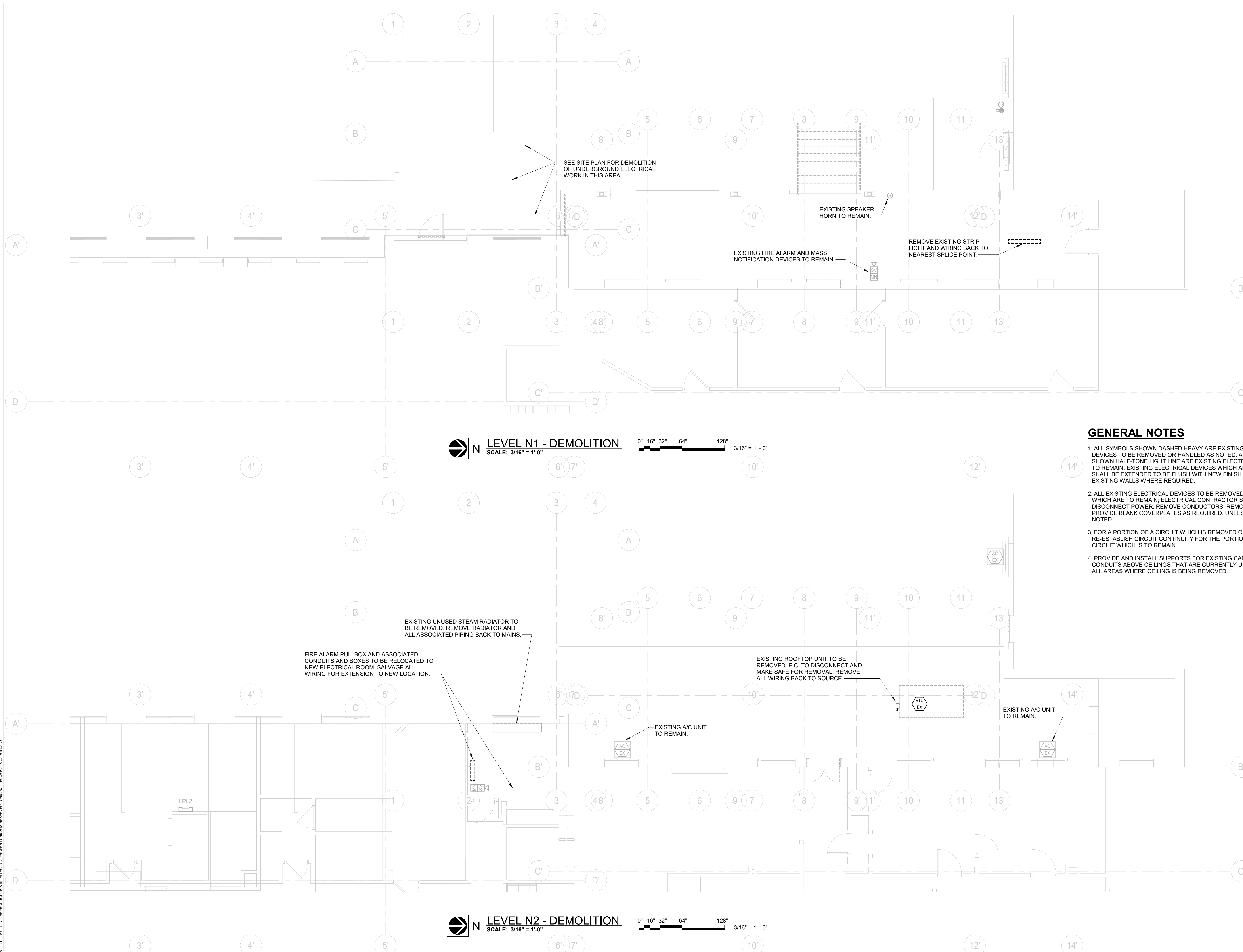
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DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: MPH  
CHECKED BY: MJC  
DESIGNED BY: MPH

SHEET TITLE:  
**FLOOR PLANS -  
ELECTRICAL  
DEMOLITION**

SHEET NUMBER:

**E-101**



**N LEVEL N1 - DEMOLITION**  
SCALE: 3/16" = 1'-0"  
0" 16" 32" 64" 128" 3/16" = 1' - 0"

**N LEVEL N2 - DEMOLITION**  
SCALE: 3/16" = 1'-0"  
0" 16" 32" 64" 128" 3/16" = 1' - 0"

**GENERAL NOTES**

1. ALL SYMBOLS SHOWN DASHED HEAVY ARE EXISTING ELECTRICAL DEVICES TO BE REMOVED OR HANDLED AS NOTED. ALL SYMBOLS SHOWN HALF-TONE LIGHT LINE ARE EXISTING ELECTRICAL DEVICES TO REMAIN. EXISTING ELECTRICAL DEVICES WHICH ARE TO REMAIN SHALL BE EXTENDED TO BE FLUSH WITH NEW FINISH OR FURRING ON EXISTING WALLS WHERE REQUIRED.
2. ALL EXISTING ELECTRICAL DEVICES TO BE REMOVED FROM WALLS WHICH ARE TO REMAIN; ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER, REMOVE CONDUCTORS, REMOVE DEVICE AND PROVIDE BLANK COVERPLATES AS REQUIRED, UNLESS OTHERWISE NOTED.
3. FOR A PORTION OF A CIRCUIT WHICH IS REMOVED OR ABANDONED, RE-ESTABLISH CIRCUIT CONTINUITY FOR THE PORTION OF THE CIRCUIT WHICH IS TO REMAIN.
4. PROVIDE AND INSTALL SUPPORTS FOR EXISTING CABLES AND CONDUITS ABOVE CEILINGS THAT ARE CURRENTLY UNSUPPORTED IN ALL AREAS WHERE CEILING IS BEING REMOVED.



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PROJECT # E2332-01  
ASSET # 5012011017

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_

ISSUE DATE: 12 FEB 2026

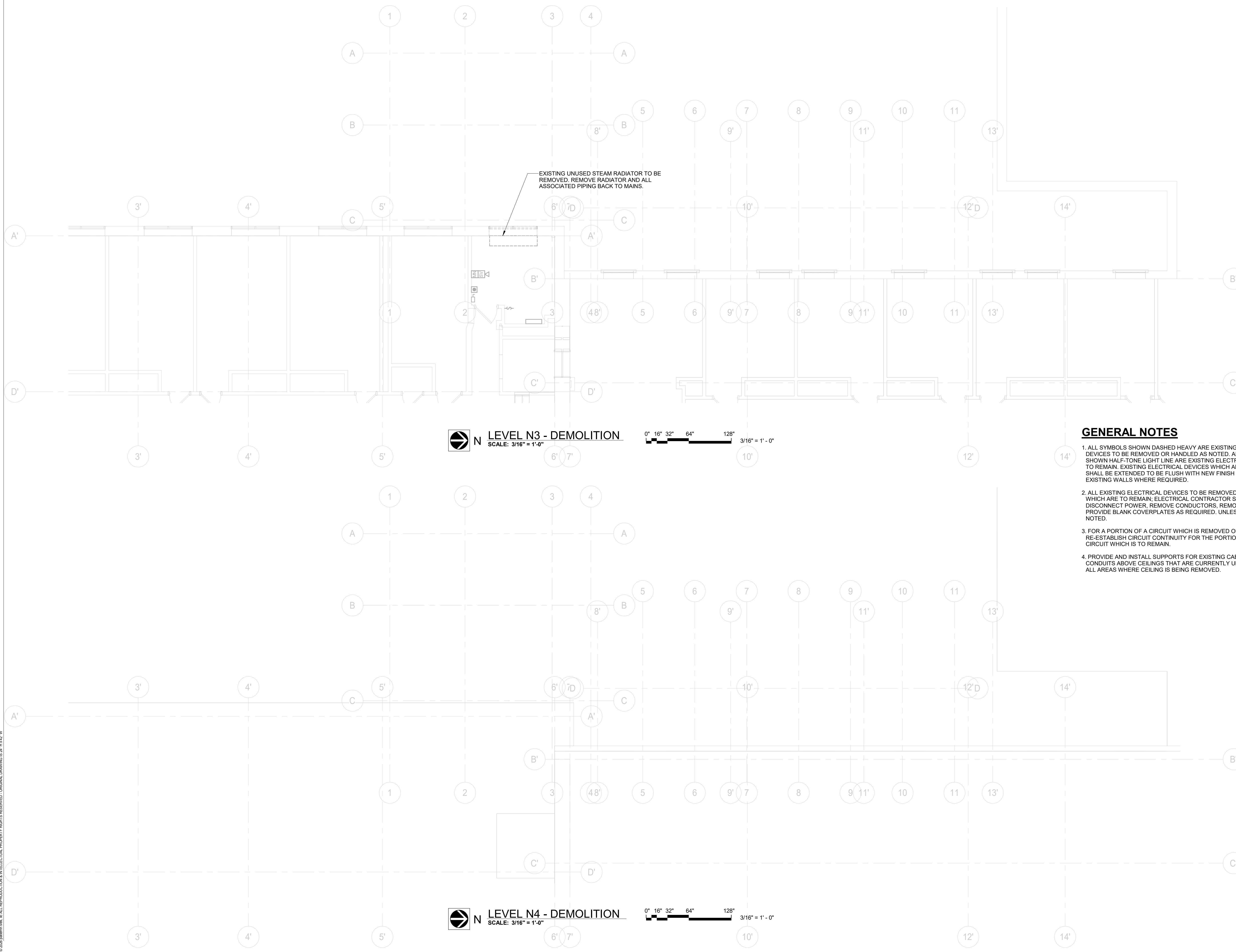
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DESIGNED BY: MPH

SHEET TITLE:

**FLOOR PLANS -  
ELECTRICAL  
DEMOLITION**

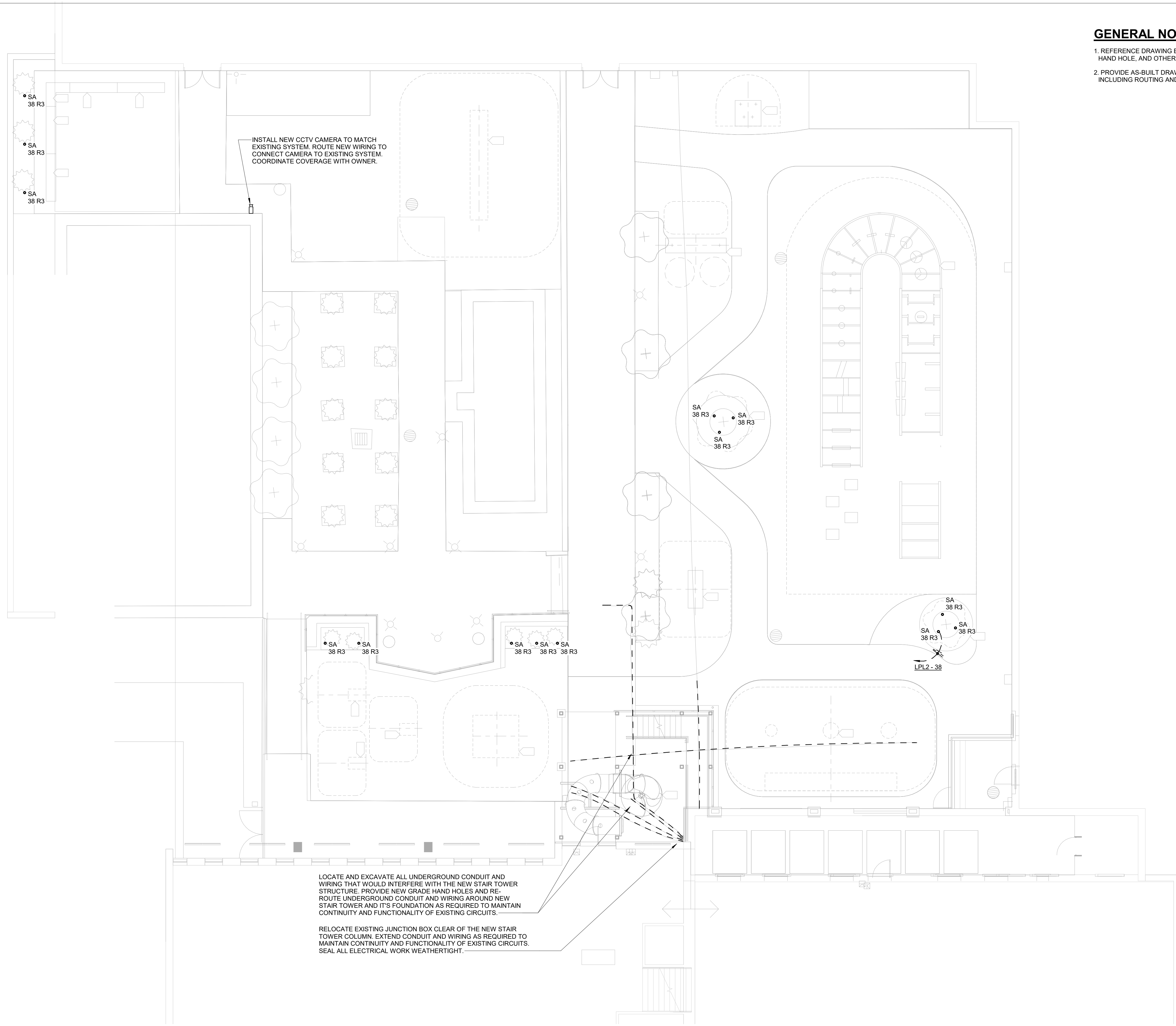
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**E-102**



**GENERAL NOTES**

1. ALL SYMBOLS SHOWN DASHED HEAVY ARE EXISTING ELECTRICAL DEVICES TO BE REMOVED OR HANDLED AS NOTED. ALL SYMBOLS SHOWN HALF-TONE LIGHT LINE ARE EXISTING ELECTRICAL DEVICES TO REMAIN. EXISTING ELECTRICAL DEVICES WHICH ARE TO REMAIN SHALL BE EXTENDED TO BE FLUSH WITH NEW FINISH OR FURRING ON EXISTING WALLS WHERE REQUIRED.
2. ALL EXISTING ELECTRICAL DEVICES TO BE REMOVED FROM WALLS WHICH ARE TO REMAIN. ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER, REMOVE CONDUCTORS, REMOVE DEVICE AND PROVIDE BLANK COVERPLATES AS REQUIRED. UNLESS OTHERWISE NOTED.
3. FOR A PORTION OF A CIRCUIT WHICH IS REMOVED OR ABANDONED, RE-ESTABLISH CIRCUIT CONTINUITY FOR THE PORTION OF THE CIRCUIT WHICH IS TO REMAIN.
4. PROVIDE AND INSTALL SUPPORTS FOR EXISTING CABLES AND CONDUITS ABOVE CEILINGS THAT ARE CURRENTLY UNSUPPORTED IN ALL AREAS WHERE CEILING IS BEING REMOVED.



**GENERAL NOTES**

1. REFERENCE DRAWING E0.2" SERIES SHEETS FOR SITE LIGHTING, HAND HOLE, AND OTHER SITE RELATED DETAILS.
2. PROVIDE AS-BUILT DRAWING OF FINAL INSTALLATION CONDITIONS, INCLUDING ROUTING AND DEPTHS OF UNDERGROUND CONDUITS.

STATE OF MISSOURI  
MIKE KEHOE,  
GOVERNOR



AUSTIN STRICKER, P.E. MO # PE-2014032649  
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PROJECT # E2332-01  
ASSET # 5012011017

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| REVISION:   | _____       |
| DATE:       | _____       |
| ISSUE DATE: | 12 FEB 2026 |

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: MPH \_\_\_\_\_  
CHECKED BY: MJC \_\_\_\_\_  
DESIGNED BY: MPH \_\_\_\_\_

SHEET TITLE:  
**SITE PLAN -  
ELECTRICAL**

SHEET NUMBER:

**E-103**



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PROJECT # E2332-01  
ASSET # 5012011017

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REVISION:  
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DATE: \_\_\_\_\_  
ISSUE DATE: 12 FEB 2026

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DESIGNED BY: SW

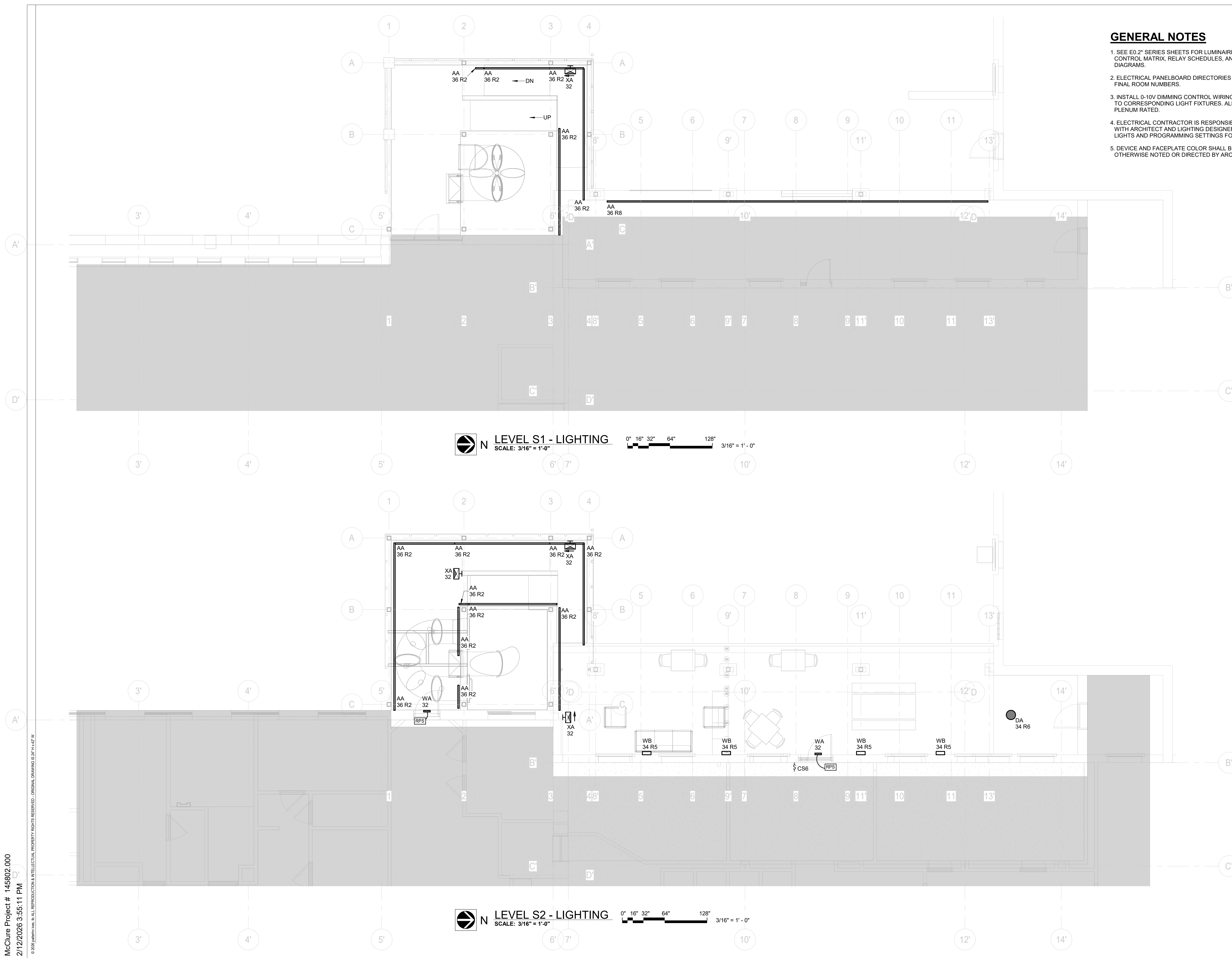
SHEET TITLE:  
**FLOOR PLANS -  
LIGHTING**

SHEET NUMBER:

**E-201**

**GENERAL NOTES**

1. SEE E0.2" SERIES SHEETS FOR LUMINAIRE SCHEDULE, LIGHTING CONTROL MATRIX, RELAY SCHEDULES, AND LIGHTING CONTROL DIAGRAMS.
2. ELECTRICAL PANELBOARD DIRECTORIES SHALL BE LABELED WITH FINAL ROOM NUMBERS.
3. INSTALL 0-10V DIMMING CONTROL WIRING FROM DIMMING CONTROLS TO CORRESPONDING LIGHT FIXTURES. ALL CONTROL WIRES TO BE PLENUM RATED.
4. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ARCHITECT AND LIGHTING DESIGNER IN AIMING ADJUSTABLE LIGHTS AND PROGRAMMING SETTINGS FOR LIGHTING CONTROLS.
5. DEVICE AND FACEPLATE COLOR SHALL BE WHITE UNLESS OTHERWISE NOTED OR DIRECTED BY ARCHITECT OR OWNER.







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PROJECT # E2332-01  
ASSET # 5012011017

REVISION:  
DATE: \_\_\_\_\_  
REVISION:  
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ISSUE DATE: 12 FEB 2026

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: MPH  
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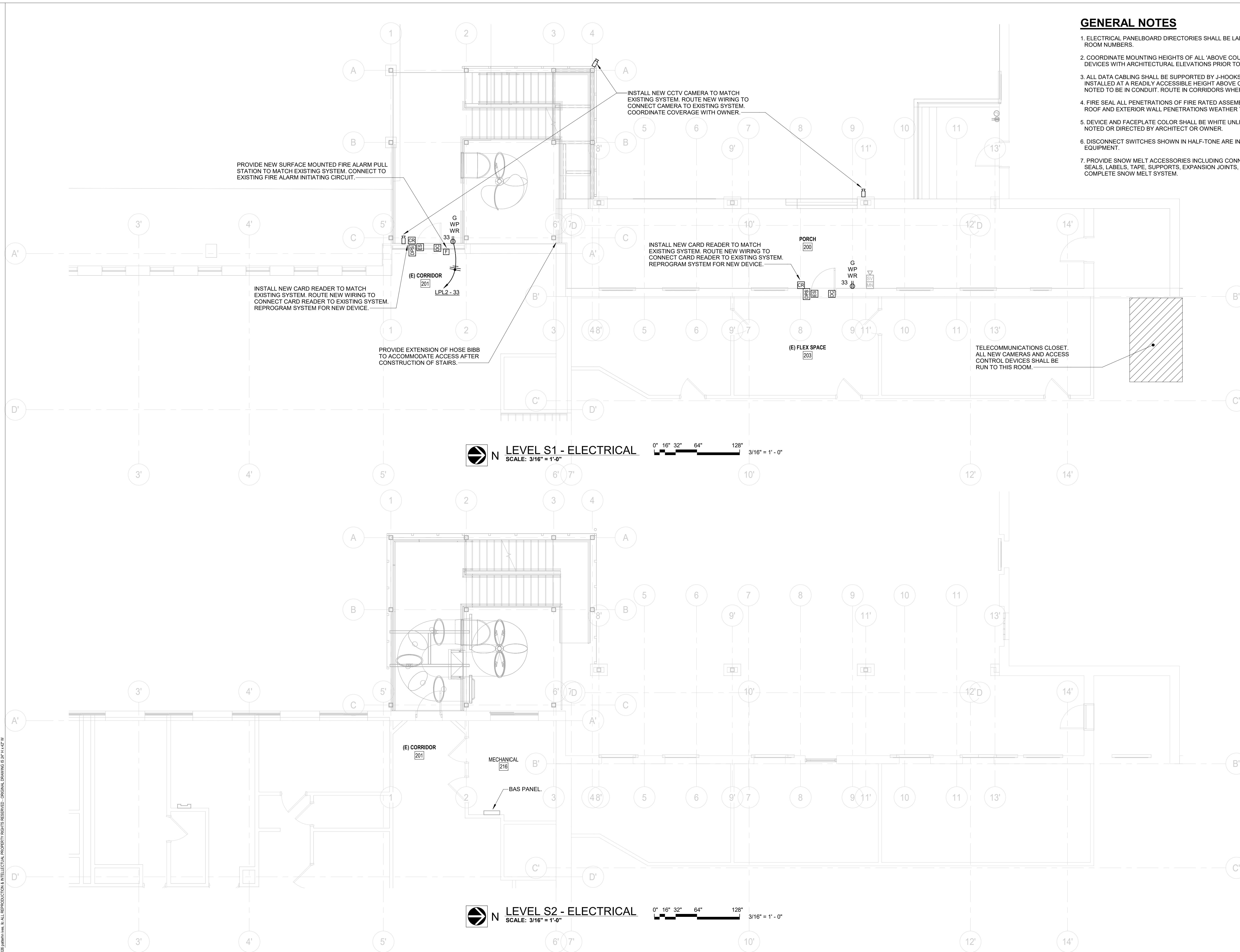
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**FLOOR PLANS -  
ELECTRICAL**

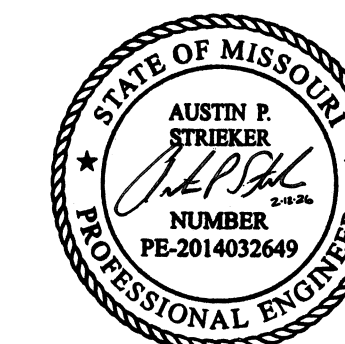
SHEET NUMBER:

**E-301**

**GENERAL NOTES**

1. ELECTRICAL PANELBOARD DIRECTORIES SHALL BE LABELED WITH FINAL ROOM NUMBERS.
2. COORDINATE MOUNTING HEIGHTS OF ALL 'ABOVE COUNTER' ELECTRICAL DEVICES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
3. ALL DATA CABLING SHALL BE SUPPORTED BY J-HOOKS OR CABLE TRAY INSTALLED AT A READILY ACCESSIBLE HEIGHT ABOVE CEILING, UNLESS NOTED TO BE IN CONDUIT. ROUTE IN CORRIDORS WHERE POSSIBLE.
4. FIRE SEAL ALL PENETRATIONS OF FIRE RATED ASSEMBLIES. SEAL ALL ROOF AND EXTERIOR WALL PENETRATIONS WEATHER TIGHT.
5. DEVICE AND FACEPLATE COLOR SHALL BE WHITE UNLESS OTHERWISE NOTED OR DIRECTED BY ARCHITECT OR OWNER.
6. DISCONNECT SWITCHES SHOWN IN HALF-TONE ARE INTEGRAL TO EQUIPMENT.
7. PROVIDE SNOW MELT ACCESSORIES INCLUDING CONNECTORS, END SEALS, LABELS, TAPE, SUPPORTS, EXPANSION JOINTS, ETC. TO PROVIDE A COMPLETE SNOW MELT SYSTEM.





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PROJECT # E2332-01  
ASSET # 5012011017

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ISSUE DATE: 12 FEB 2026

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CHECKED BY: MJC  
DESIGNED BY: MPH

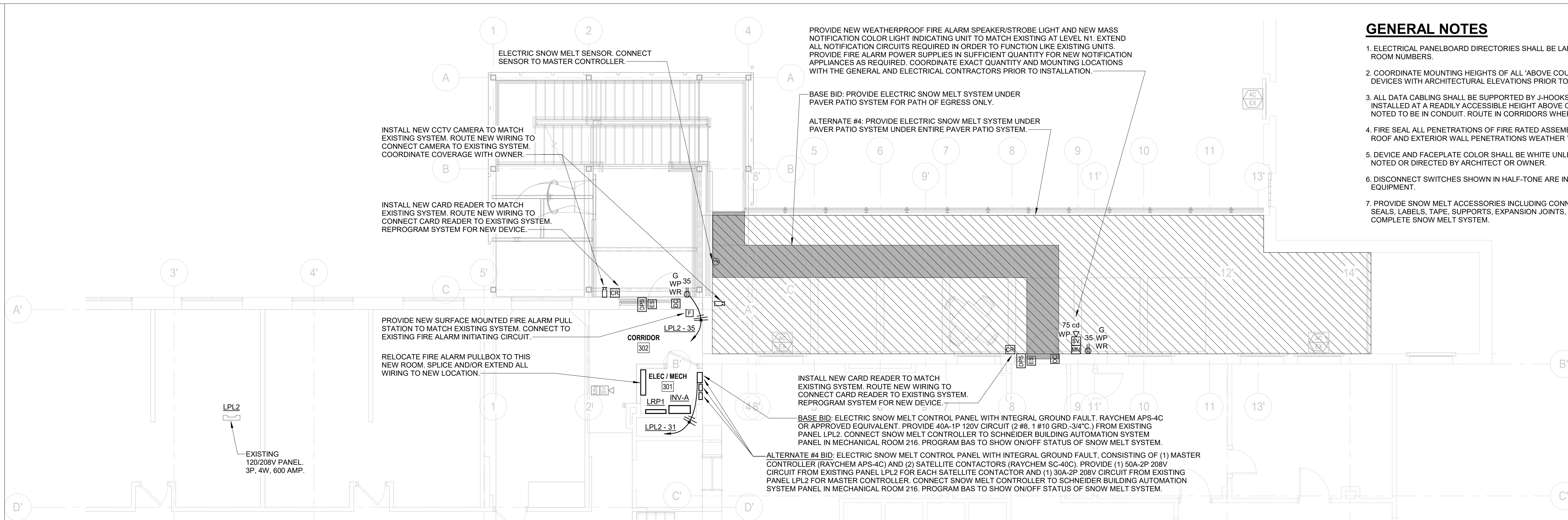
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**FLOOR PLANS -  
ELECTRICAL**

SHEET NUMBER:

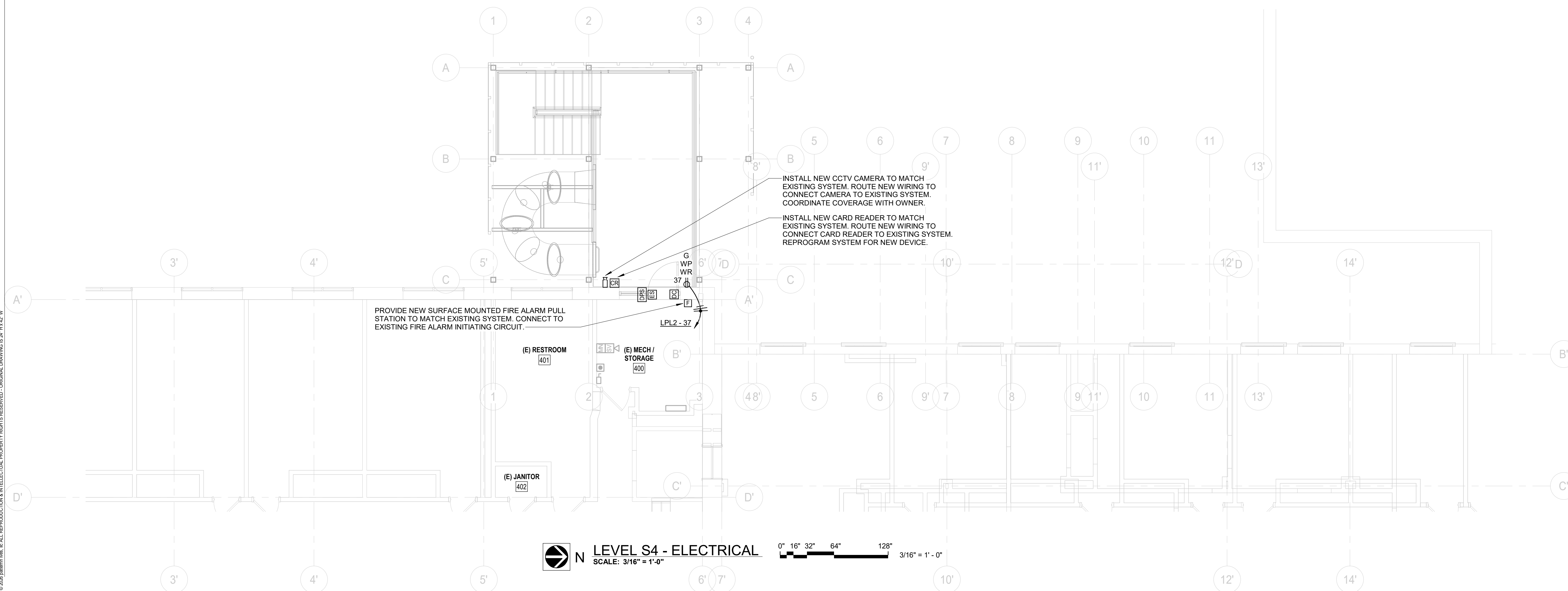
**E-302**

**GENERAL NOTES**

1. ELECTRICAL PANELBOARD DIRECTORIES SHALL BE LABELED WITH FINAL ROOM NUMBERS.
2. COORDINATE MOUNTING HEIGHTS OF ALL 'ABOVE COUNTER' ELECTRICAL DEVICES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
3. ALL DATA CABLING SHALL BE SUPPORTED BY J-HOOKS OR CABLE TRAY INSTALLED AT A READILY ACCESSIBLE HEIGHT ABOVE CEILING, UNLESS NOTED TO BE IN CONDUIT. ROUTE IN CORRIDORS WHERE POSSIBLE.
4. FIRE SEAL ALL PENETRATIONS OF FIRE RATED ASSEMBLIES. SEAL ALL ROOF AND EXTERIOR WALL PENETRATIONS WEATHER TIGHT.
5. DEVICE AND FACEPLATE COLOR SHALL BE WHITE UNLESS OTHERWISE NOTED OR DIRECTED BY ARCHITECT OR OWNER.
6. DISCONNECT SWITCHES SHOWN IN HALF-TONE ARE INTEGRAL TO EQUIPMENT.
7. PROVIDE SNOW MELT ACCESSORIES INCLUDING CONNECTORS, END SEALS, LABELS, TAPE, SUPPORTS, EXPANSION JOINTS, ETC. TO PROVIDE A COMPLETE SNOW MELT SYSTEM.



**N LEVEL S3 - ELECTRICAL**  
SCALE: 3/16" = 1'-0"  
0" 16" 32" 64" 128" 3/16" = 1' - 0"



**N LEVEL S4 - ELECTRICAL**  
SCALE: 3/16" = 1'-0"  
0" 16" 32" 64" 128" 3/16" = 1' - 0"