

# SOUTHRIDGE PARK NEW RESTROOMS

## BUILDING 1

PERMIT SET

5051 SOUTH 4015 WEST  
TAYLORSVILLE, UTAH

NOT FOR  
CONSTRUCTION

ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
 Parks & Recreation  
2001 South State St. S4-700  
Salt Lake City, UT 84190

**SOUTHRIDGE PARK NEW  
RESTROOMS BUILDING 1**

5051 SOUTH 4015 WEST  
TAYLORSVILLE, UTAH

SHEET NAME:

**TITLE SHEET**

REVISIONS

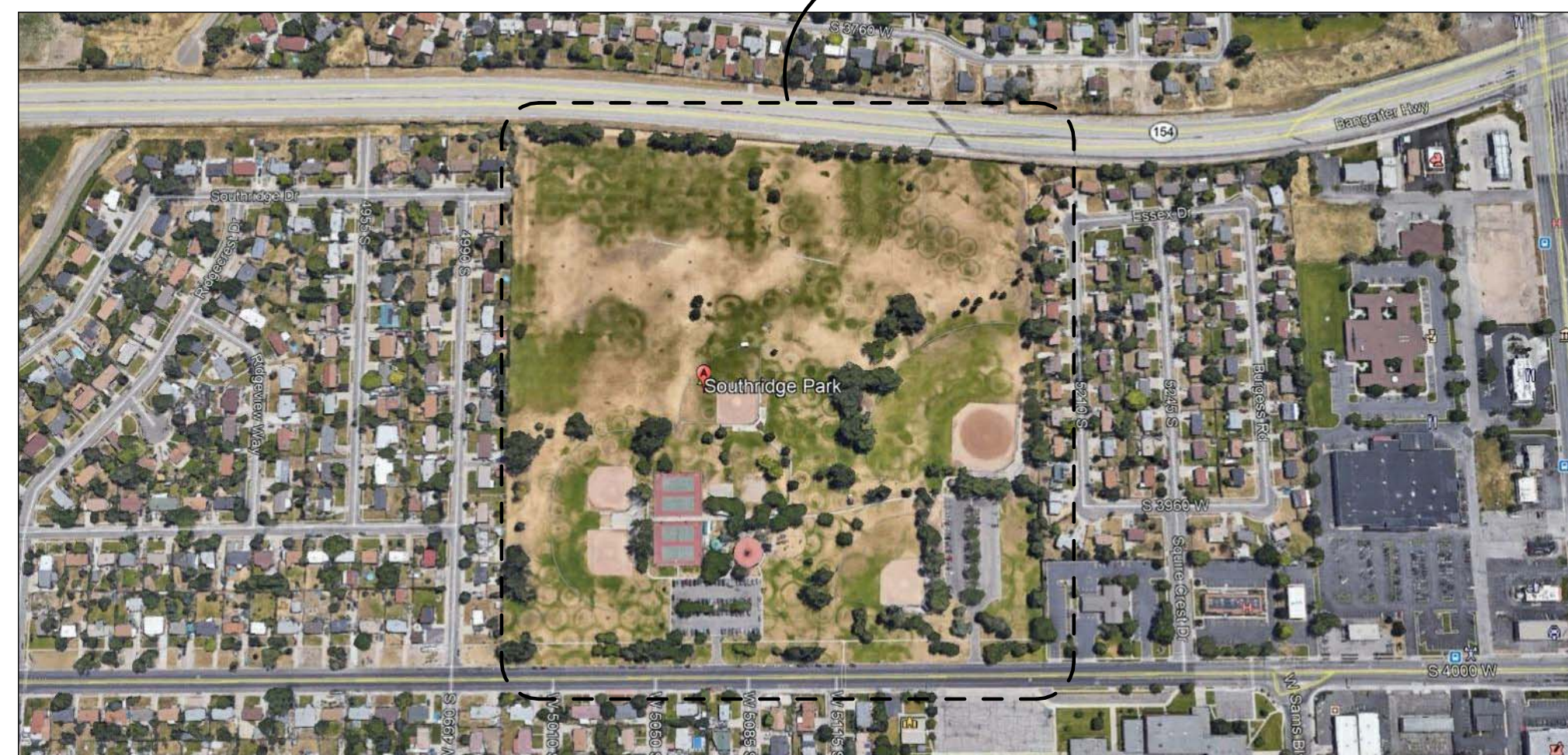
MARK DATE DESCRIPTION

ISSUE DATE: **09.19.19**  
ISSUE TYPE: **PERMIT SET**  
DRAWN BY: **AJL**  
CHECKED BY: **K RIGBY**  
PROJECT#: **1930.01**

SHEET NUMBER:

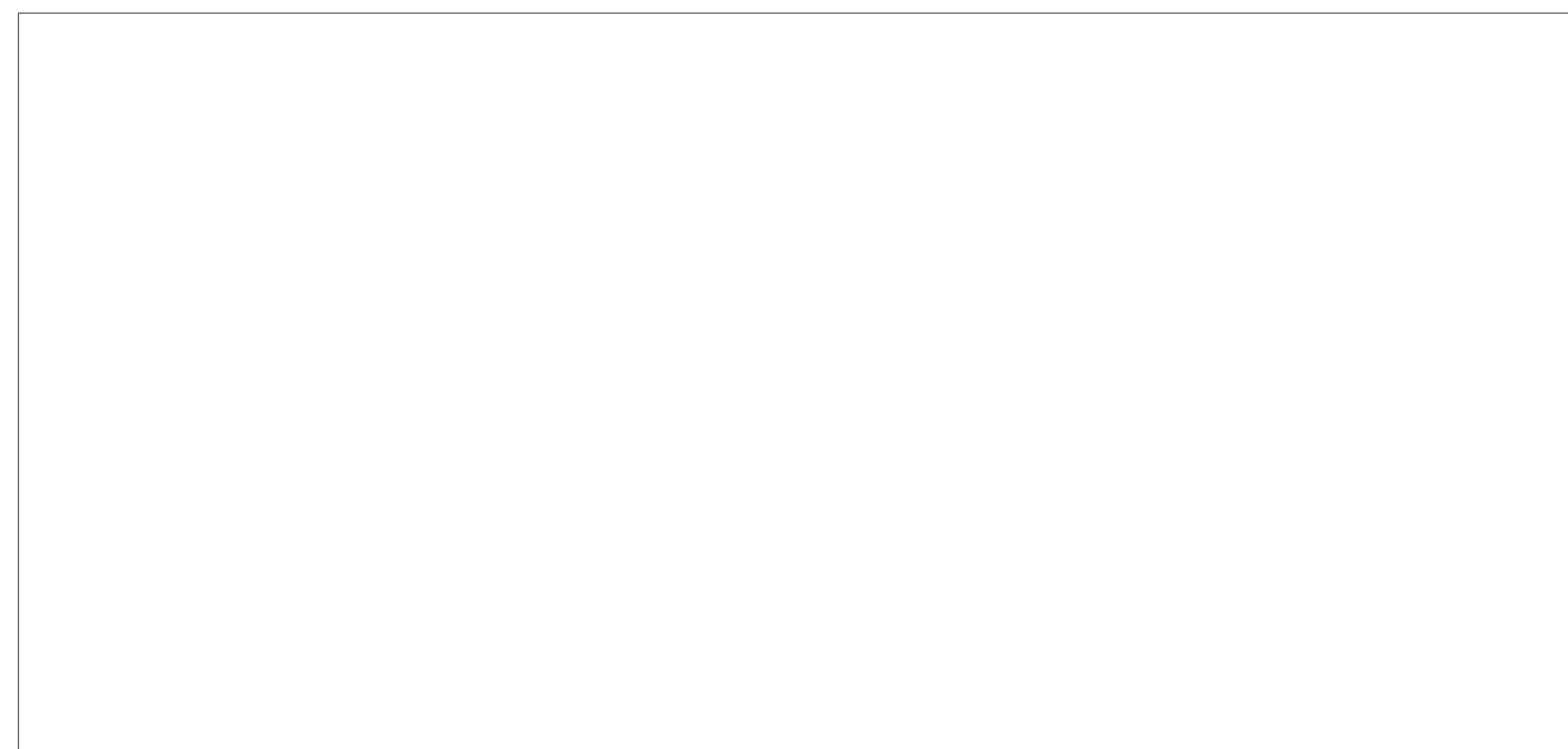
**G001**

### VICINITY MAP:



### PROJECT LOCATION

### PERSPECTIVE



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- ME601 MECHANICAL & PLUMBING SCHEDULES
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- E002 SCHEDULES AND NOTES
- E101 ELECTRICAL SITE PLAN
- E201 ELECTRICAL LIGHTING PLAN
- E301 ELECTRICAL POWER AND SYSTEMS PLAN
- E401 ELECTRICAL DIAGRAMS

### OWNER

SALT LAKE COUNTY  
FACILITIES MANAGEMENT  
2001 SOUTH STATE  
SALT LAKE CITY, UT 84190  
PHONE: 385.468.0339  
NAME: RYAN HENRIE

### LANDSCAPE

ARCSITIO DESIGN, INC  
1058 W 2100 SOUTH  
SALT LAKE CITY, UT 84106  
PHONE: 801.487.4923  
NAME: ERIC POWELL

### STRUCTURAL

MJ STRUCTURAL ENGINEERS  
5673 SOUTH REDWOOD ROAD  
TAYLORSVILLE, UT 84123  
PHONE: 801.905.1097  
NAME: MATT JACKSON

### MECH/PLUMB

WHW ENGINEERING INC  
8619 SANDY PARKWAY  
SANDY, UT 84070  
PHONE: 801.466.4021  
NAME: WIN PACKER

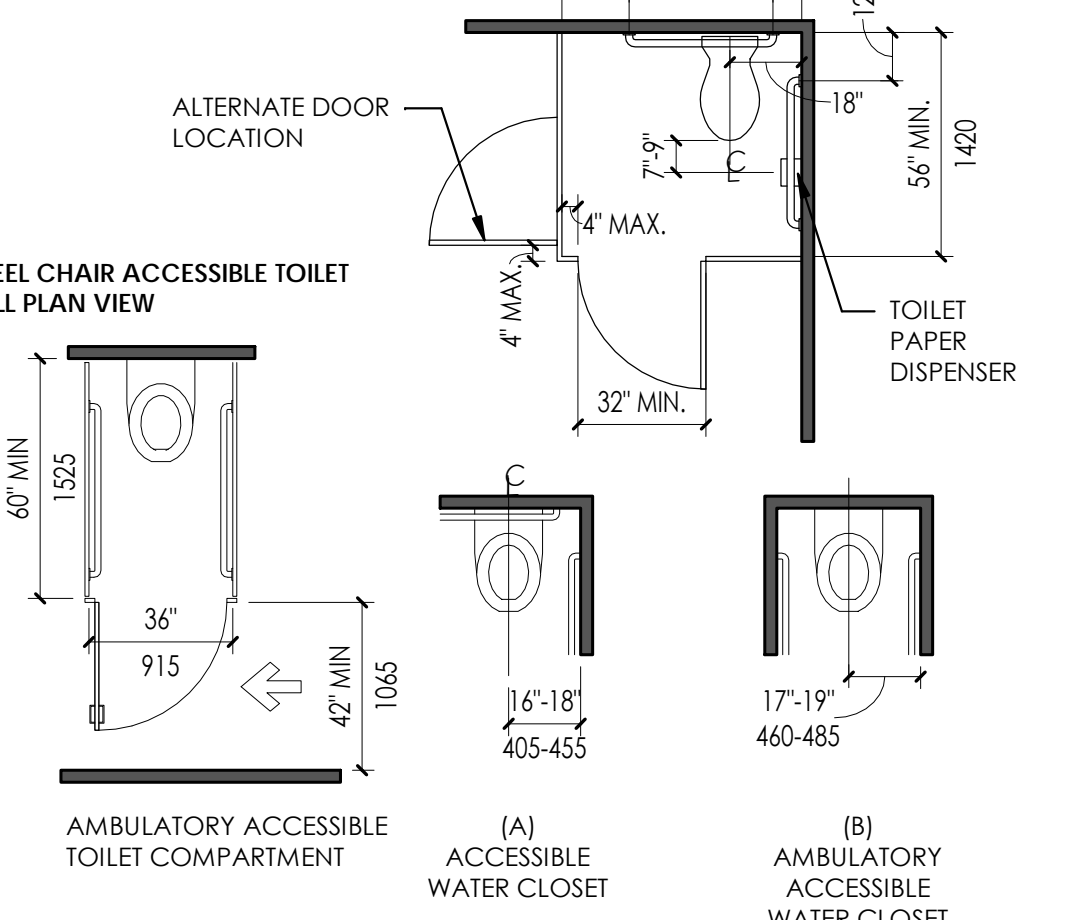
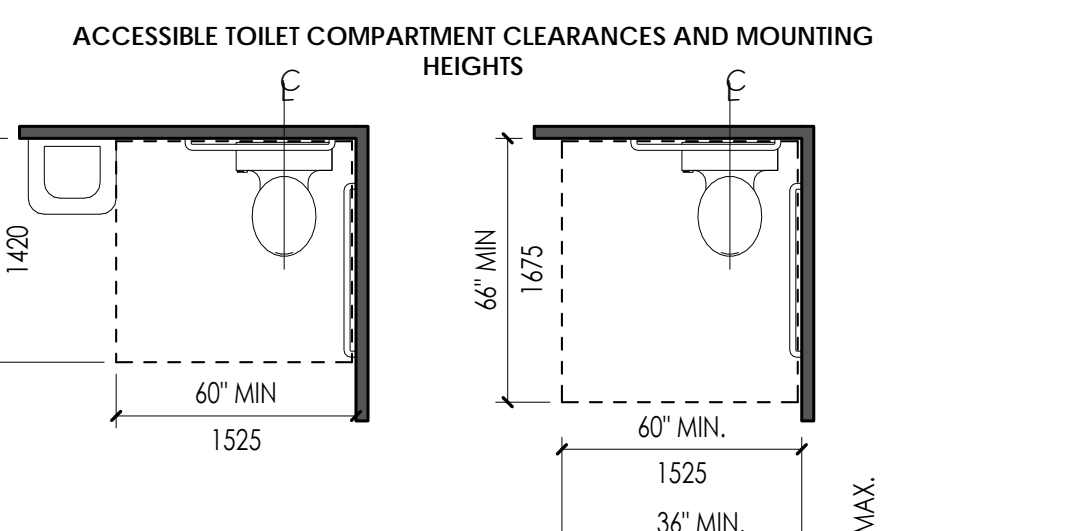
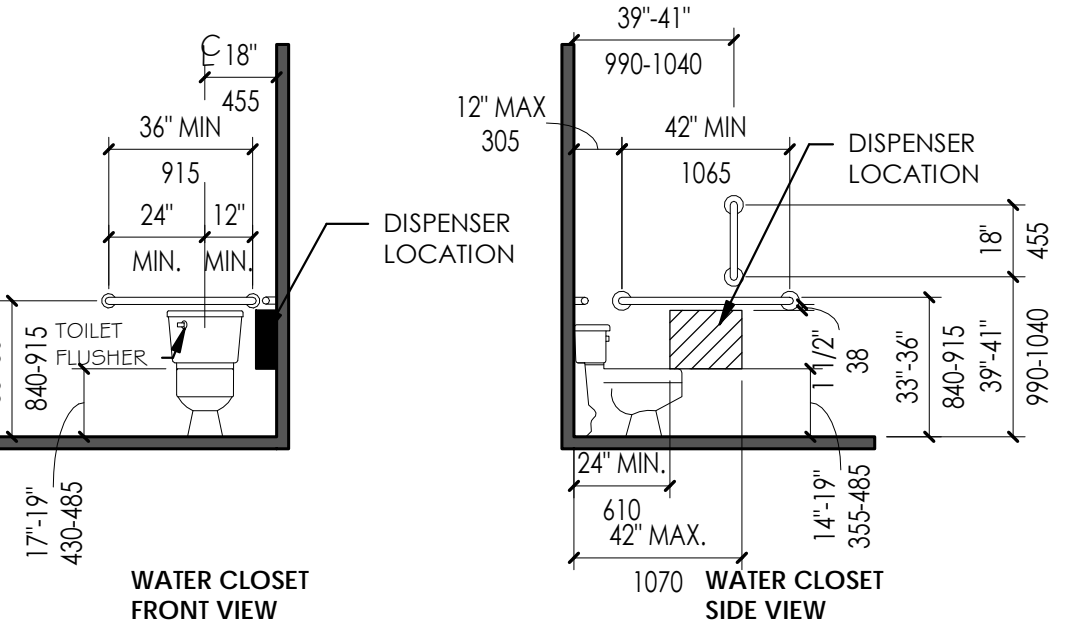
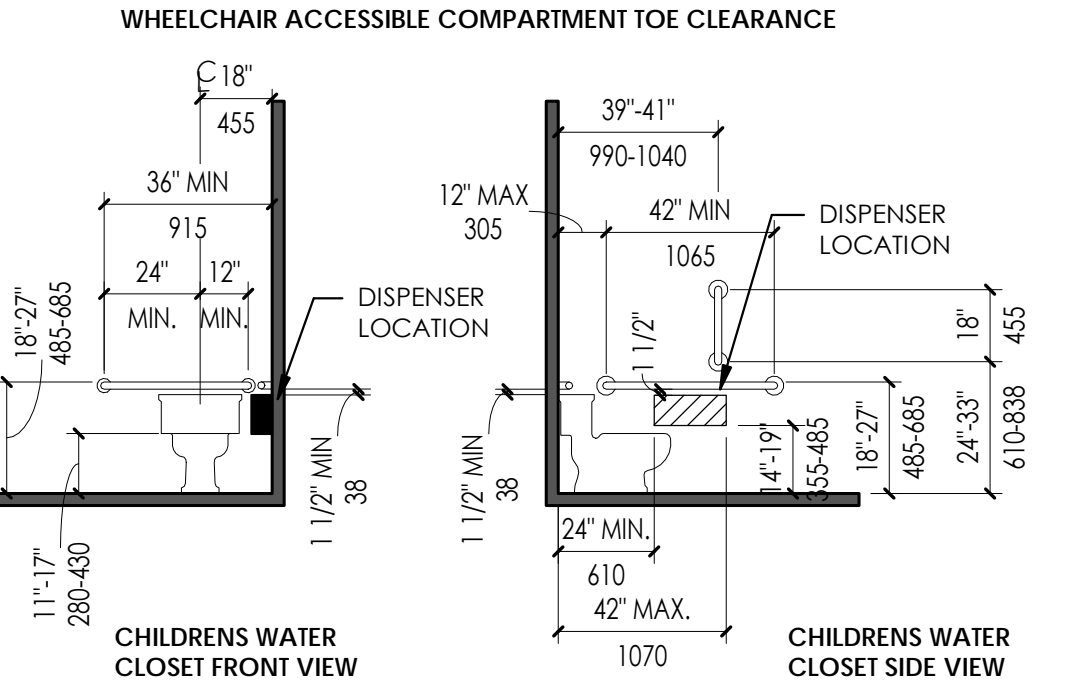
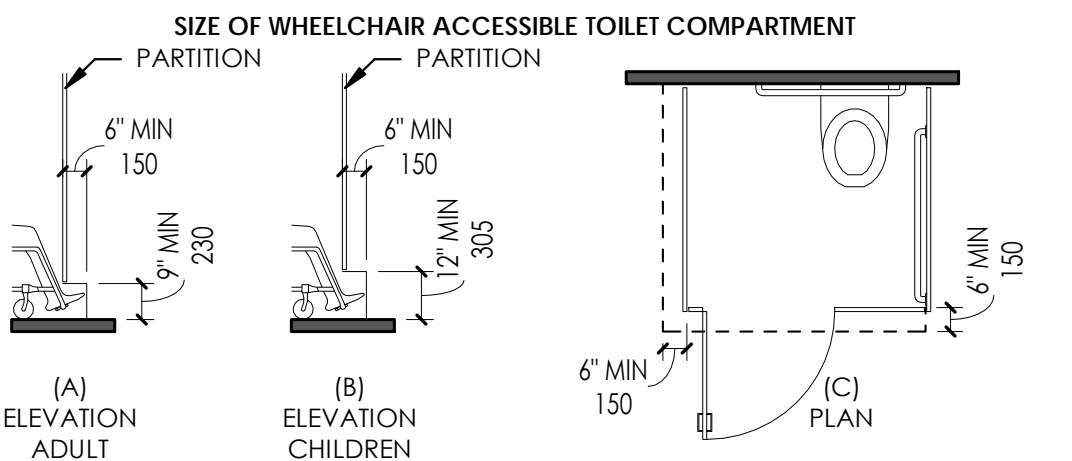
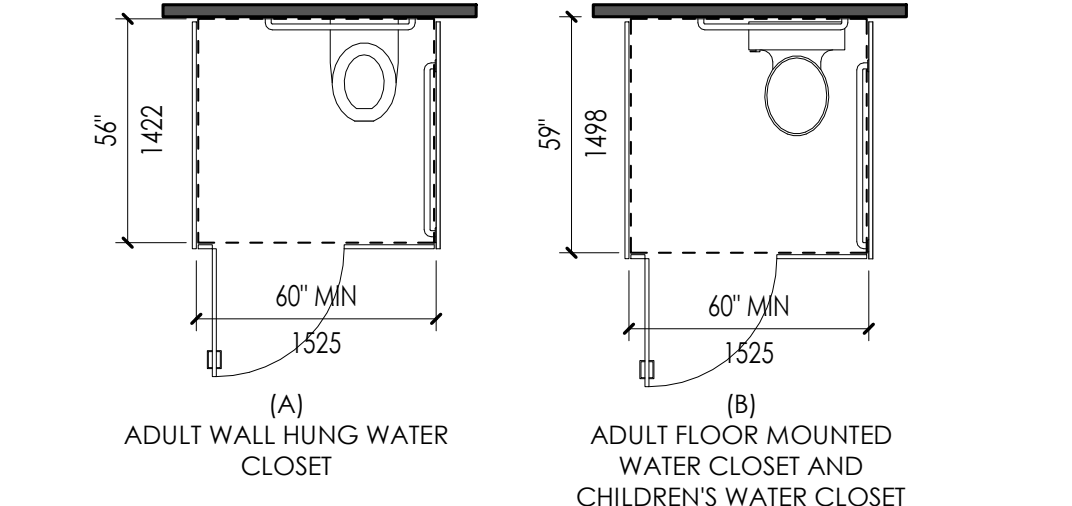
### ELECTRICAL

BNA CONSULTING  
635 SOUTH STATE STREET  
SALT LAKE CITY, UT 84111  
PHONE: 801.532.2196  
NAME: GOPICHAND PULIVARTHI

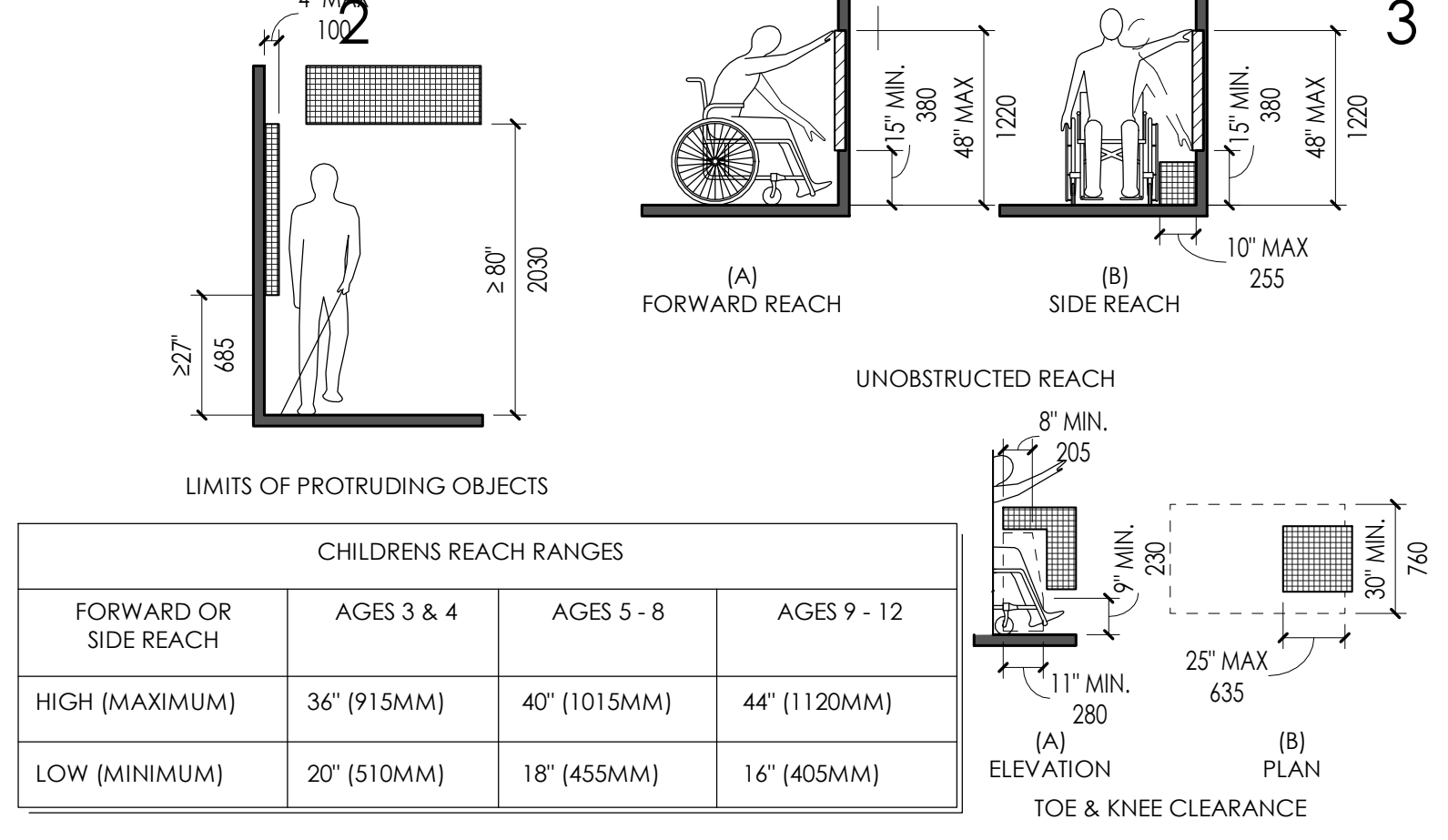


9/19/2019 4:33:03 PM C:\Users\valarsen\Documents\1930.01 Salt Lake County Southridge Restrooms V19\_alarsen.rvt  
 ALL LEGAL, ETHICAL, AND PROFESSIONAL OBLIGATIONS ARE MAINTAINED BY THE ARCHITECT AND NOT TRANSFERRED TO THE CLIENT. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN OF THE PROJECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION DEFECTS OR OMISSIONS THAT MAY OCCUR DURING THE CONSTRUCTION OF THE PROJECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY INADEQUACIES OR OMISSIONS THAT MAY OCCUR DURING THE CONSTRUCTION OF THE PROJECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY INADEQUACIES OR OMISSIONS THAT MAY OCCUR DURING THE CONSTRUCTION OF THE PROJECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY INADEQUACIES OR OMISSIONS THAT MAY OCCUR DURING THE CONSTRUCTION OF THE PROJECT.

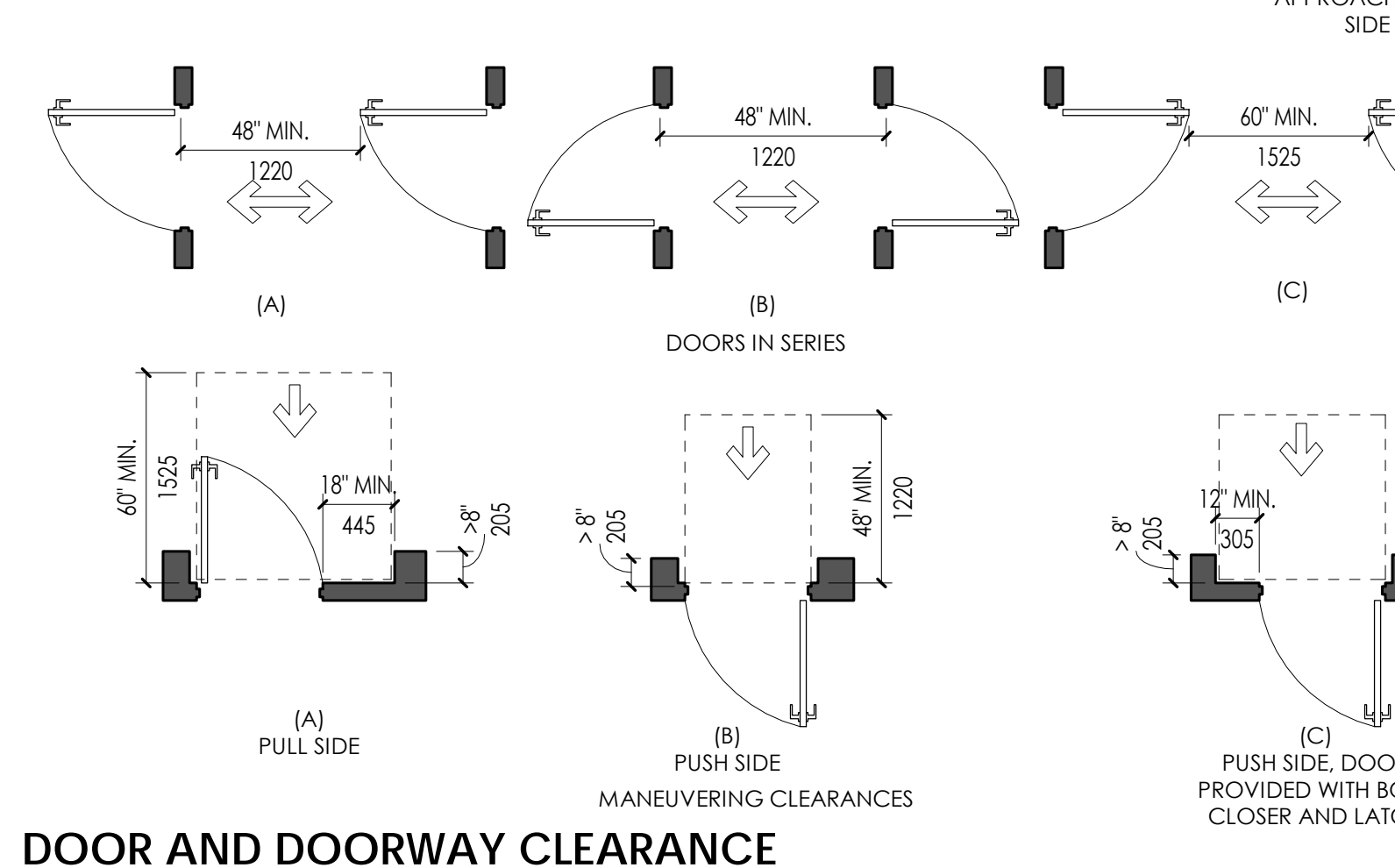
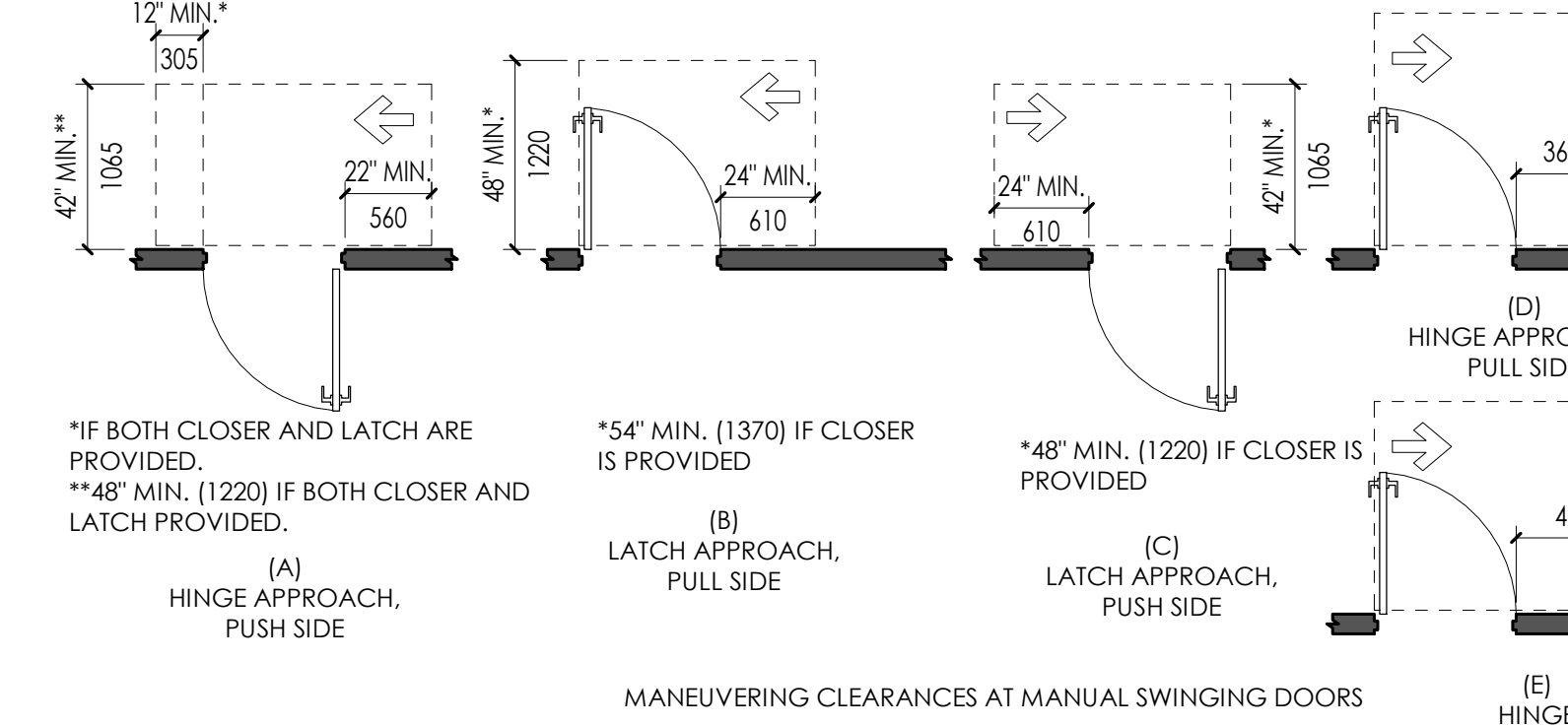
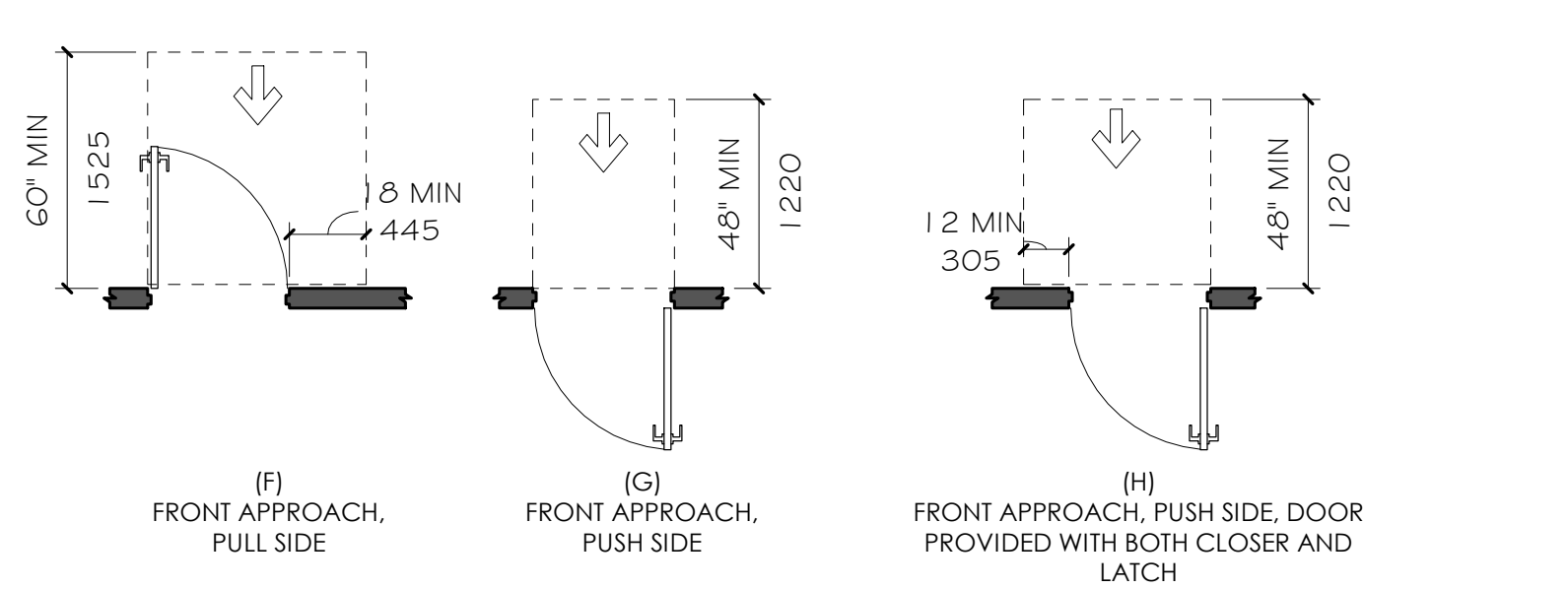
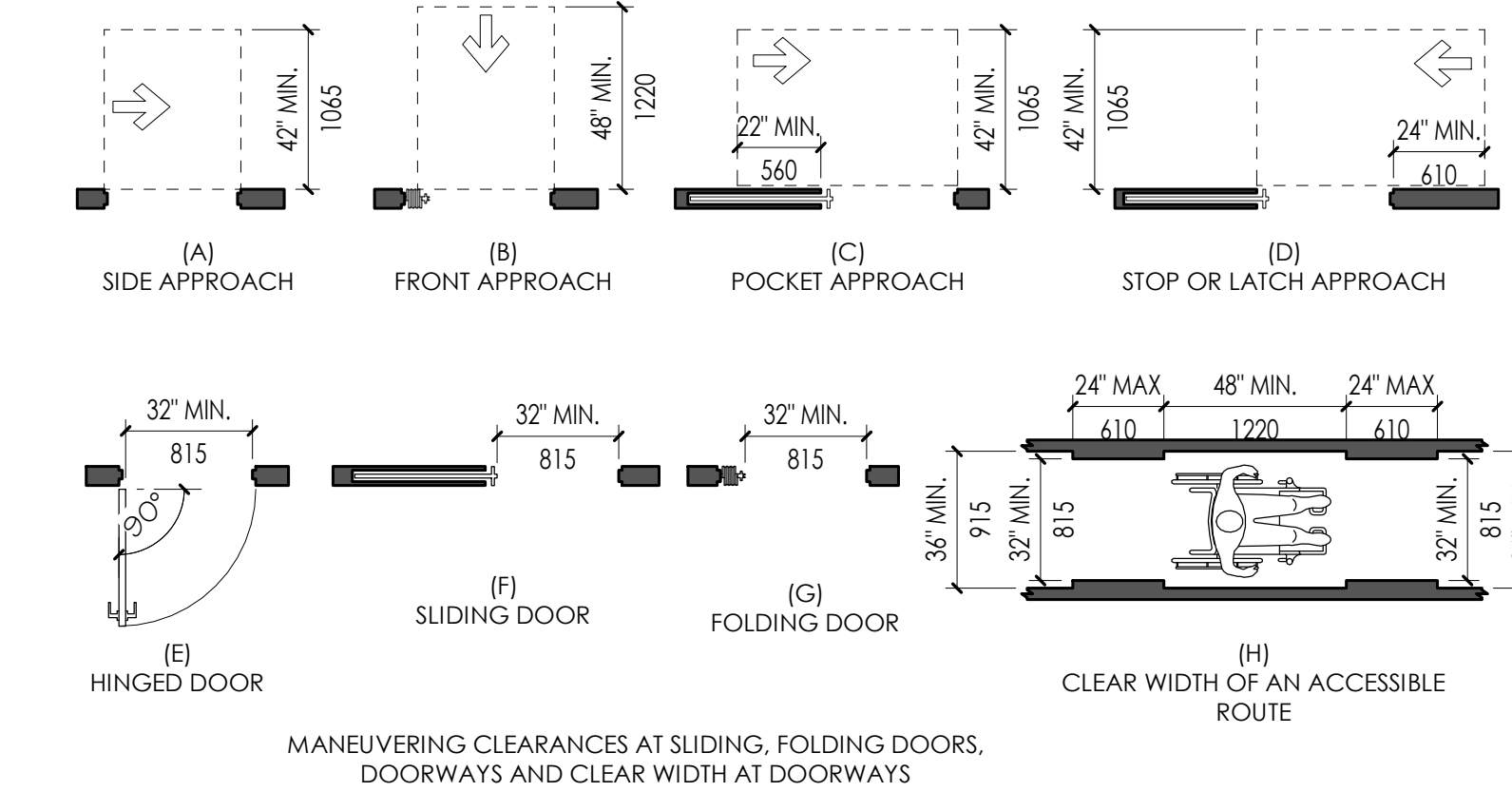
	AGES 3 & 4	AGES 5 THRU 8	AGES 9 THRU 12
WATER CLOSET CENTERLINE	12 INCHES (305 MM)	12-15 INCHES (305-380 MM)	15-18 INCHES (380-455 MM)
TOILET SEAT HEIGHT	11 TO 12 INCHES (280 - 305 MM)	12-15 INCHES (305-380 MM)	15-17 INCHES (380-430 MM)
GRAB BAR HEIGHT	18 - 20 INCHES (455-510 MM)	20-25 INCHES (510-635 MM)	25-27 INCHES (635-685 MM)
DISPENSER HEIGHT	14 INCHES (355 MM)	14-17 INCHES (355-430 MM)	17-19 INCHES (430-485 MM)



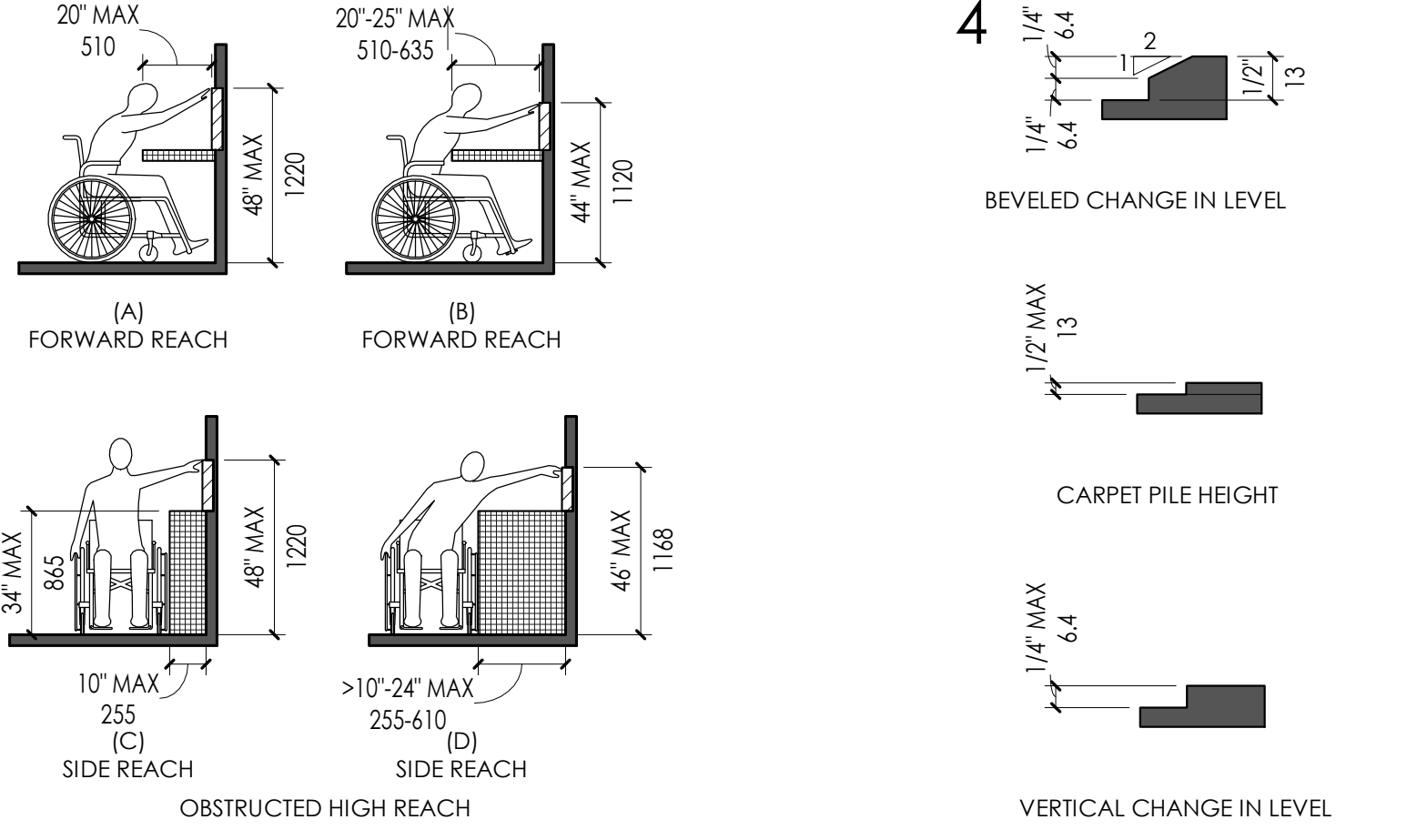
**A1 TOILET CLEARANCE REQUIREMENTS**  
 1/4" = 1'-0"



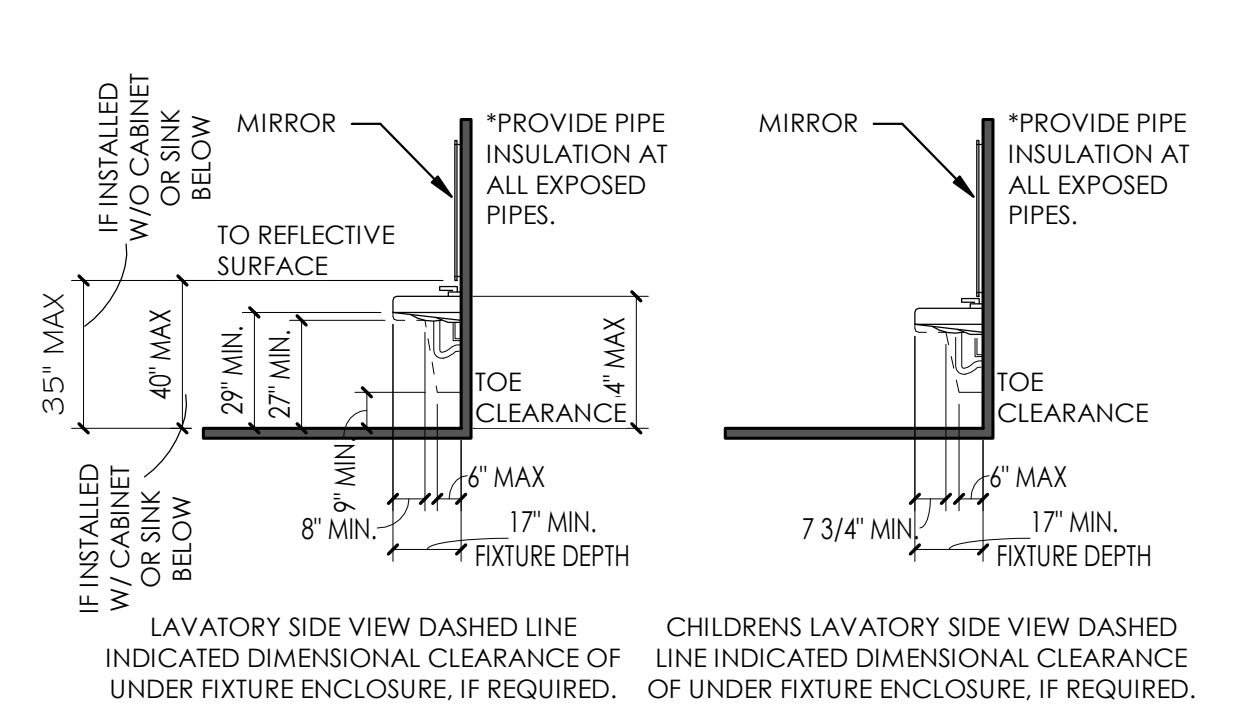
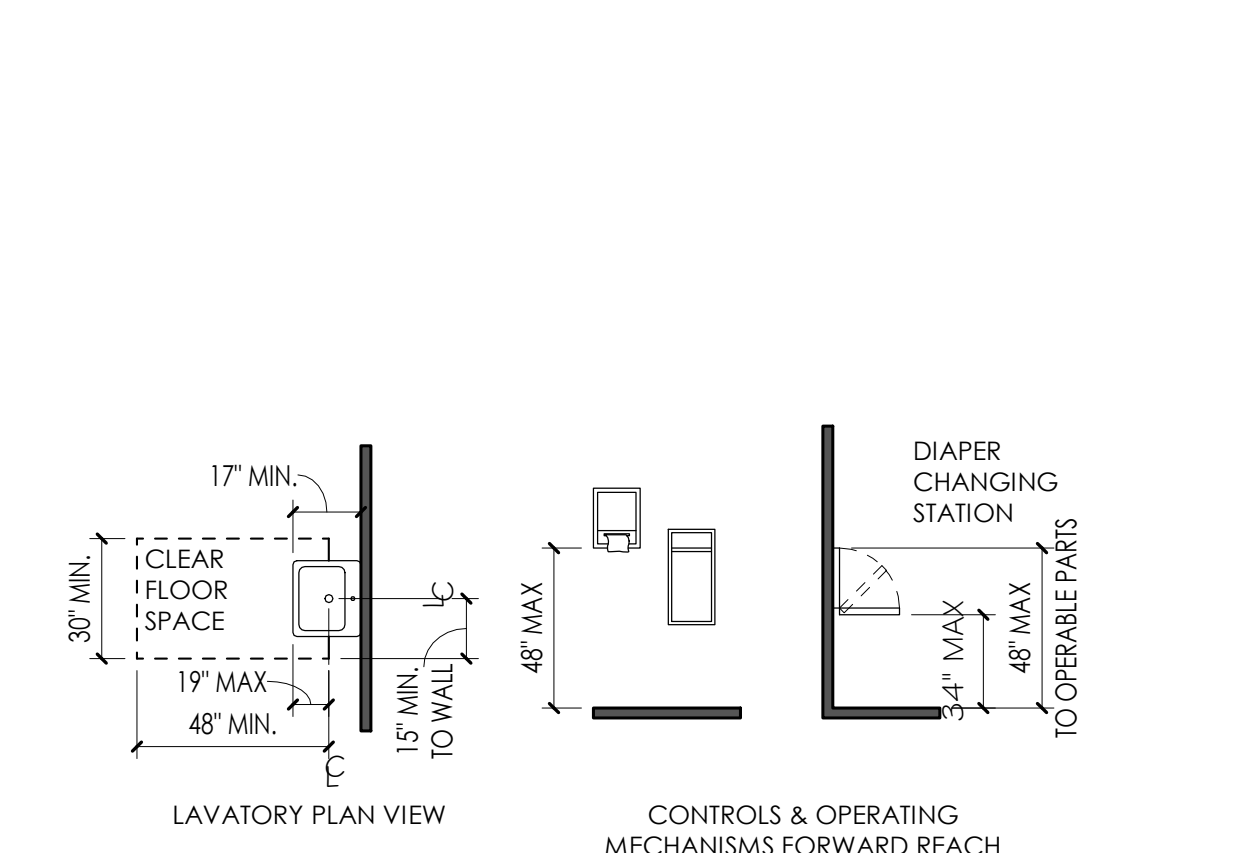
**D2 REACH REQUIREMENTS**  
 1/4" = 1'-0"



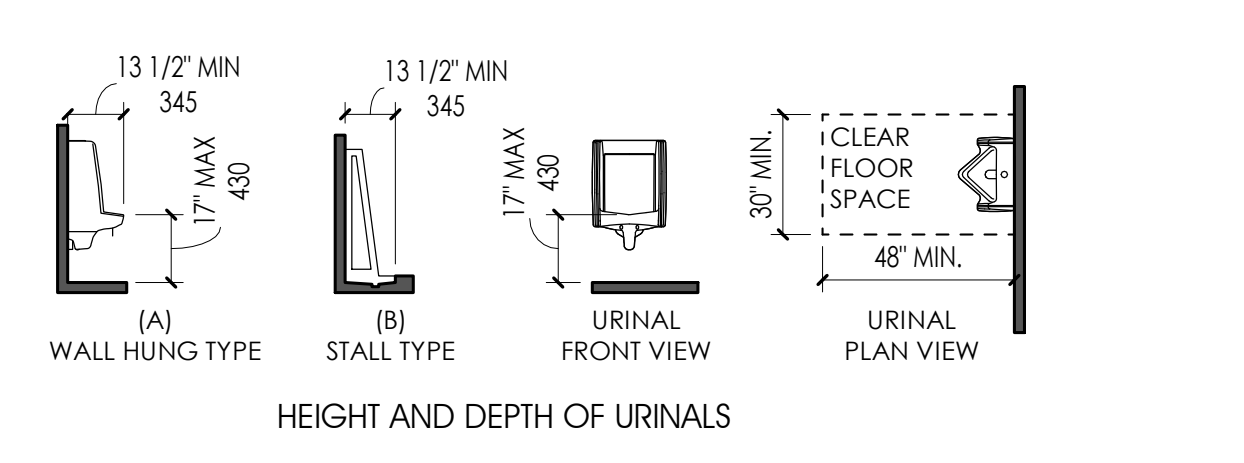
**A2 DOOR AND DOORWAY CLEARANCE REQUIREMENTS**  
 1/4" = 1'-0"



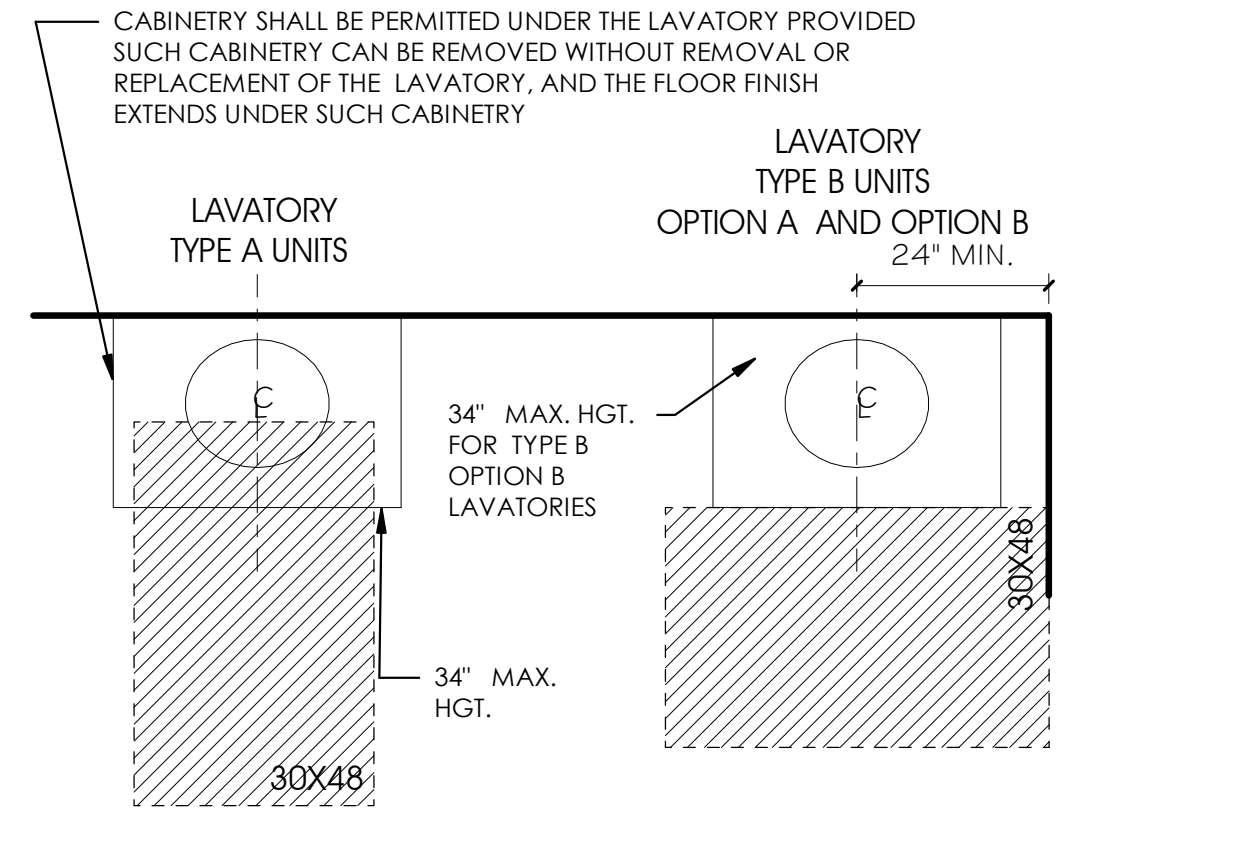
**D4 LEVEL CHANGE**  
 6" = 1'-0"



**C4 LAVATORY ACCESSORY CLEARANCES**  
 1/4" = 1'-0"



**B4 URINAL CLEARANCE REQUIREMENTS**  
 1/4" = 1'-0"



**A4 LAVATORY CLEARANCES**  
 1/2" = 1'-0"

**GENERAL NOTES:**

- REFER TO DOOR HARDWARE SPECIFICATIONS FOR DOOR HARDWARE ADA REQUIREMENTS AND STANDARDS.
- REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL DEVICES ADA MOUNTING HEIGHT REQUIREMENTS.
- REFER TO SITE PLAN FOR ACCESSIBLE ROUTE REQUIREMENTS AND DETAIL REFERENCES. (NOT APPLICABLE TO ALL PROJECTS.)
- UNLESS NOTED AS "MIN." OR "MAX." DIMENSIONS SHOWN ARE ABSOLUTE. DIMENSIONS SHOWN HERE SHALL GOVERN THE INSTALLATION OF ALL ACCESSIBLE FIXTURES AND ACCESSORIES, UNLESS MORE SPECIFIC DIMENSIONS ARE SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS THAT ARE WITHIN THE PERMISSIBLE LIMITS SHOWN HERE.
- MOUNTING HEIGHTS OF RESTROOM FIXTURES AND ACCESSORIES. PROVIDE BACKING AT ALL WALL MOUNTED FIXTURES AND EQUIPMENT.

**NOT FOR CONSTRUCTION**

ARCHITECT / CONSULTANT

**DRINKING FOUNTAIN CLEARANCES**

- RECESSED FOUNTAINS:  
 WITHIN ALCOVES MINIMUM 63" WIDE, MINIMUM 18" DEEP WHEN DOUBLE DRINKING FOUNTAINS ARE REQUIRED AND 32" MIN. CLR. WHEN A SINGLE FOUNTAIN IS PERMITTED.  
 A. CONTRACTOR SHALL COORDINATE WITH SIZE OF WATER FOUNTAIN TO BE USED AND SIZE ALCOVE ACCORDINGLY COMPLYING WITH REQUIREMENTS AND RECOMMENDATIONS AND COORDINATING WITH THE ARCHITECT.
- PROJECTED FOUNTAINS:  
 WARNING FOR THE VISION IMPAIRED AT A PROJECTED DRINKING FOUNTAIN CAN BE PROVIDED BY EITHER OF THE FOLLOWING MEANS:  
 A. THE SURFACE OF THE FLOOR OR GROUND AT THE DRINKING FOUNTAIN CAN BE OF CONTRASTING COLOR WITH A TEXTURE THAT CONTRASTS IN RESILIENCY WITH THE ADJACENT FINISHED FLOOR MATERIAL, SO THAT IT CAN BE SENSED BY A CANE, WITH THE TEXTURE EXTENDING FROM THE WALL TO ONE FOOT BEYOND THE FRONT EDGE OF THE DRINKING FOUNTAIN AND ONE FOOT BEYOND EACH SIDE OF THE FOUNTAIN, OR INSTALL WING WALLS ON EACH SIDE OF THE DRINKING FOUNTAIN TO B. PROJECT OUT FROM THE MAIN WALL AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6" OF THE PATH OF TRAVEL FLOOR FINISH. THERE MUST BE 32" CLEAR BETWEEN THE WING WALLS.

NOTE:  
 ILLUSTRATIONS SHOWN HERE ARE FOR DIMENSIONAL ACCESSIBILITY PURPOSES ONLY. A SECOND DRINKING FOUNTAIN SHOULD BE PROVIDED AT A MOUNTING HEIGHT SUITABLE TO PERSONS WITH LIMITED PHYSICAL BENDING ABILITY, ADJACENT TO THE ACCESSIBLE FOUNTAIN, MAINTAINING MINIMUM CLEARANCES NOTED AND AS REQUIRED. PROVIDE TEXTURED AREA OF CONTRASTING COLOR TO IDENTIFY WATER FOUNTAIN LOCATION AS NOTED. WHEN FOUNTAIN IS AT AN INTERIOR LOCATION, THE TEXTURED AREA SHALL ALSO BE OF DIFFERENT RESILIENCY THAN THAT OF THE ADJACENT FLOOR SURFACE FINISH. SEE TYPICAL ACCESSIBILITY NOTES SHEET FOR ADDITIONAL REQUIREMENTS.

**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

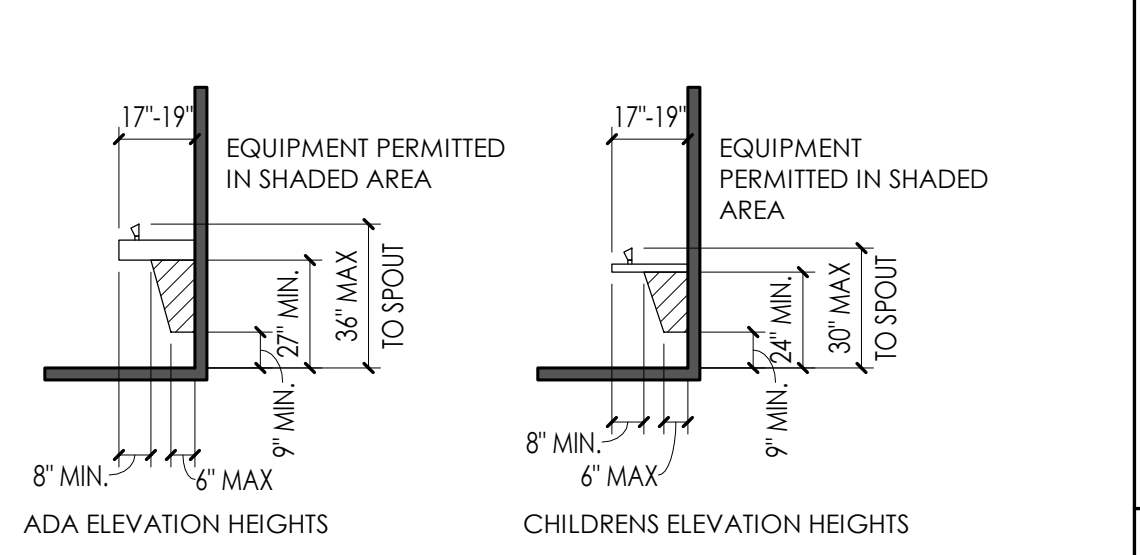
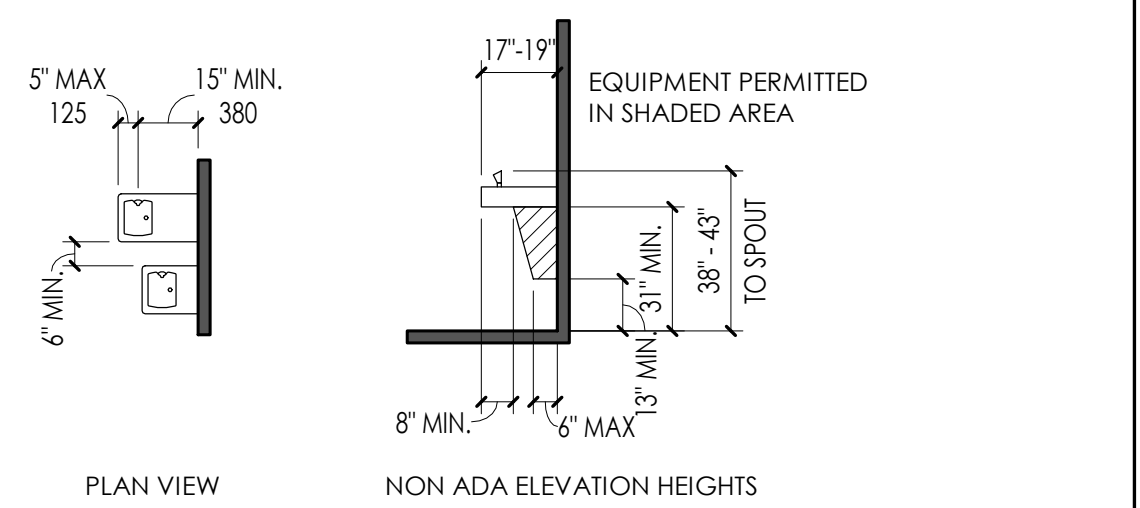
PROJECT DESCRIPTION  
 Parks & Recreation  
 2001 South State St. S4-700  
 Salt Lake City, UT 84190  
**SALT LAKE COUNTY PARKS & RECREATION**

5051 SOUTH 4015 WEST  
 TAYLORSVILLE, UTAH

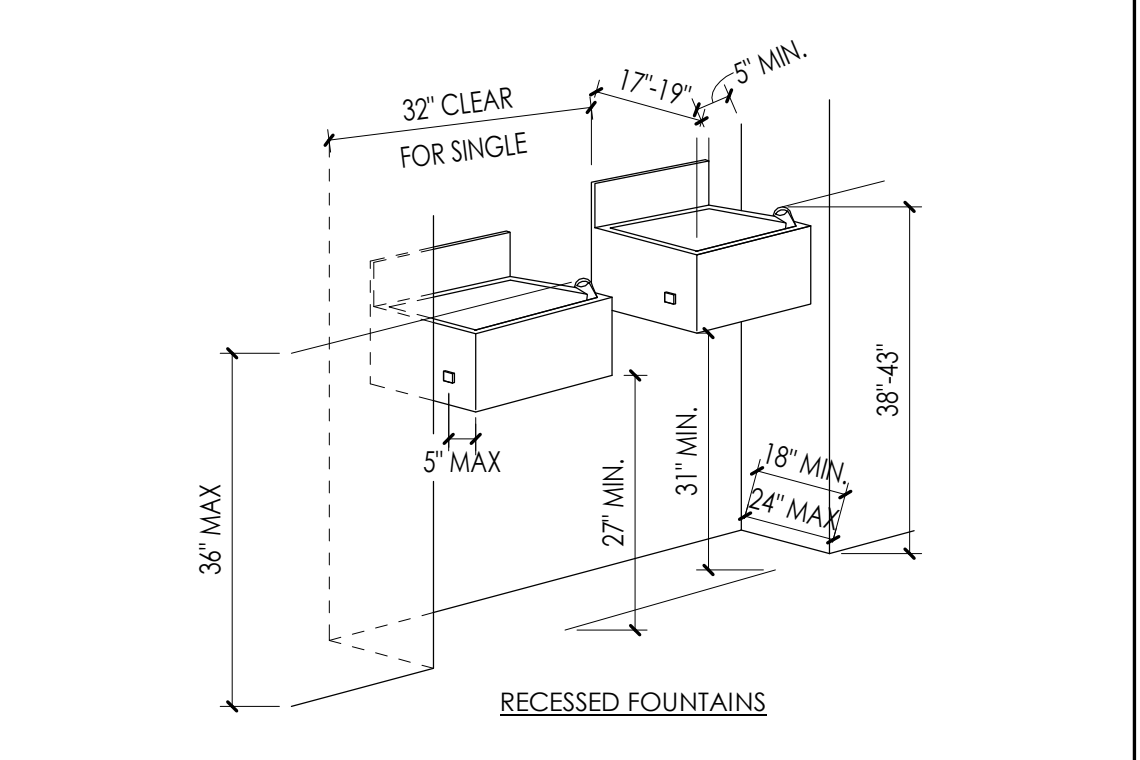
SHEET NAME:  
**ADA REQUIREMENTS**

REVISIONS

MARK	DATE	DESCRIPTION
	08.31.19	REVIEW SET



**DRINKING FOUNTAIN CLEARANCES**



**A5 WATER COOLER REQUIREMENTS**  
 1/4" = 1'-0"

ISSUE DATE: 08.31.19  
 ISSUE TYPE: PERMIT SET  
 DRAWN BY: AJL  
 CHECKED BY: K RIGBY  
 PROJECT#: 1930.01

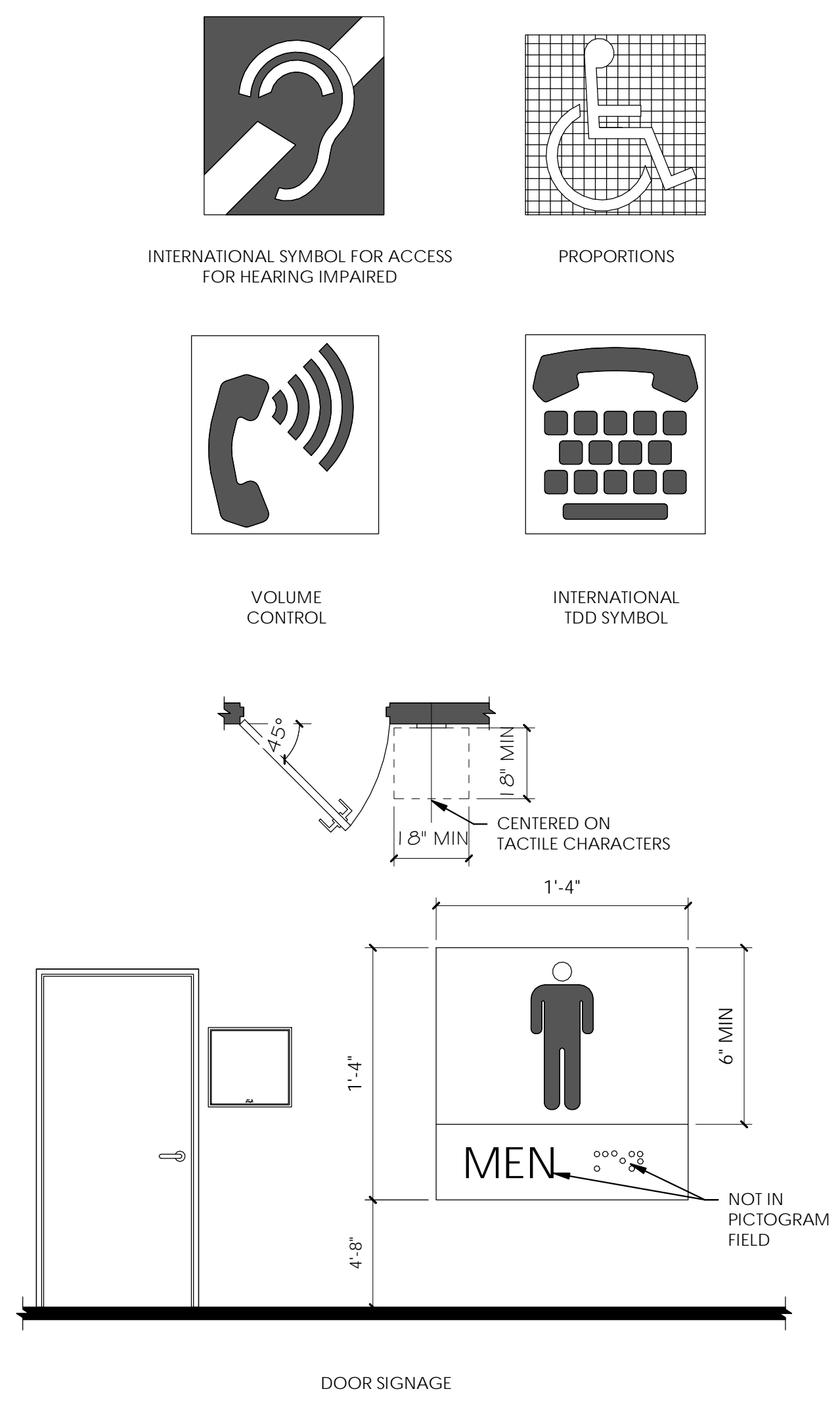
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ALL LEGAL DESIGN, ARCHITECTURAL AND ENGINEERING SERVICES PROVIDED BY THE ARCHITECT OR ENGINEER ARE LIMITED TO THE PROJECT AND THE JURISDICTION OF THE ARCHITECT OR ENGINEER. THE ARCHITECT OR ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE ARCHITECT OR ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF ANY INFORMATION PROVIDED BY OTHERS. THE ARCHITECT OR ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF ANY INFORMATION PROVIDED BY OTHERS. THE ARCHITECT OR ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF ANY INFORMATION PROVIDED BY OTHERS.

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**A1 SIGNS - PICTOGRAMS**  
1 1/2" = 1'-0"



**LETTERS AND NUMBERS:**

- LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEC. 1117B.5.6.1)
- RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH. (SEC. 1117B5.6.2)
- PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6" IN HEIGHT. (SEC. 1117B.5.6.3)
- LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10. (SEC. 1117B.5.3)
- CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. (SEC. 1117B.5.5)
- CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X. LOWER CASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH SECTION 1121B, THE MINIMUM CHARACTER HEIGHT SHALL BE 3". (SEC. 1117B.5.4)
- CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE REGULATIONS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. (SEC. 1117B.5.2)

**SIGN LOCATIONS:**

- ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS. (SEC. 1117B.5.7 & 1127B.3)
- WHEN PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH SECTION 1117B.5.6. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT THE PERSON MAY APPROACH WITHIN 5" OF THE SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. (SEC. 1117B.5.9)
- ADDITIONAL DIRECTIONAL SIGNS ALONG ACCESSIBLE PATH OF TRAVEL ARE REQUIRED.
- BUILDINGS REMODELED TO PROVIDE ACCESSIBLE SANITARY FACILITIES FOR PUBLIC USE SHALL HAVE INFORMATION POSTED IN THE LOBBY AS PART OF THE BUILDING DIRECTORY.

**INTERNATIONAL SYMBOL OF ACCESSIBILITY:**

- STANDARD USED TO IDENTIFY ACCESSIBLE FACILITIES.
- WHITE FIGURE ON BLUE BACKGROUND. COLOR # 15090 ON FEDERAL STANDARD # 595A.
- WHEN ENFORCING AGENCY DETERMINES, IF APPROPRIATE, SPECIAL DESIGNS AND COLORS MAY BE APPROVED.

**BRAILLE:**

- USE CONTRASTED GRADE 2 BRAILLE. DOTS TO BE 0.1 INCH ON CENTER IN EACH CELL.
- 0.2 INCH SPACE BETWEEN CELLS.
- DOTS RAISED MINIMUM 0.025 INCH ABOVE BACKGROUND.
- SEE 4/T-4 FOR MORE INFO.

**GOVERNING BUILDING CODES:**

ALL CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES:  
 2018 INTERNATIONAL BUILDING CODE (IBC)  
 2018 INTERNATIONAL PLUMBING CODE (IPC)  
 2018 INTERNATIONAL MECHANICAL CODE (IMC)  
 2018 INTERNATIONAL FIRE CODE (IFC)  
 NATIONAL FIRE PROTECTION ASSOCIATION CODES (IN TOTAL)  
 ASHRAE 90-1-2010 AND SUBSEQUENT ADDENDA  
 2017 NATIONAL ELECTRIC CODE (NEC)  
 2018 INTERNATIONAL ENERGY CODE (WITH STATE AMENDMENTS)  
 ICC A117.1-12009 ACCESSIBILITY CODE  
 IAQ GUIDELINES FOR OCCUPIED BUILDINGS UNDER CONSTRUCTION (SMACNA)  
 AMERICANS WITH DISABILITIES ACT (ADA)  
 2018 LIFE SAFETY CODE

**CODE ANALYSIS:**

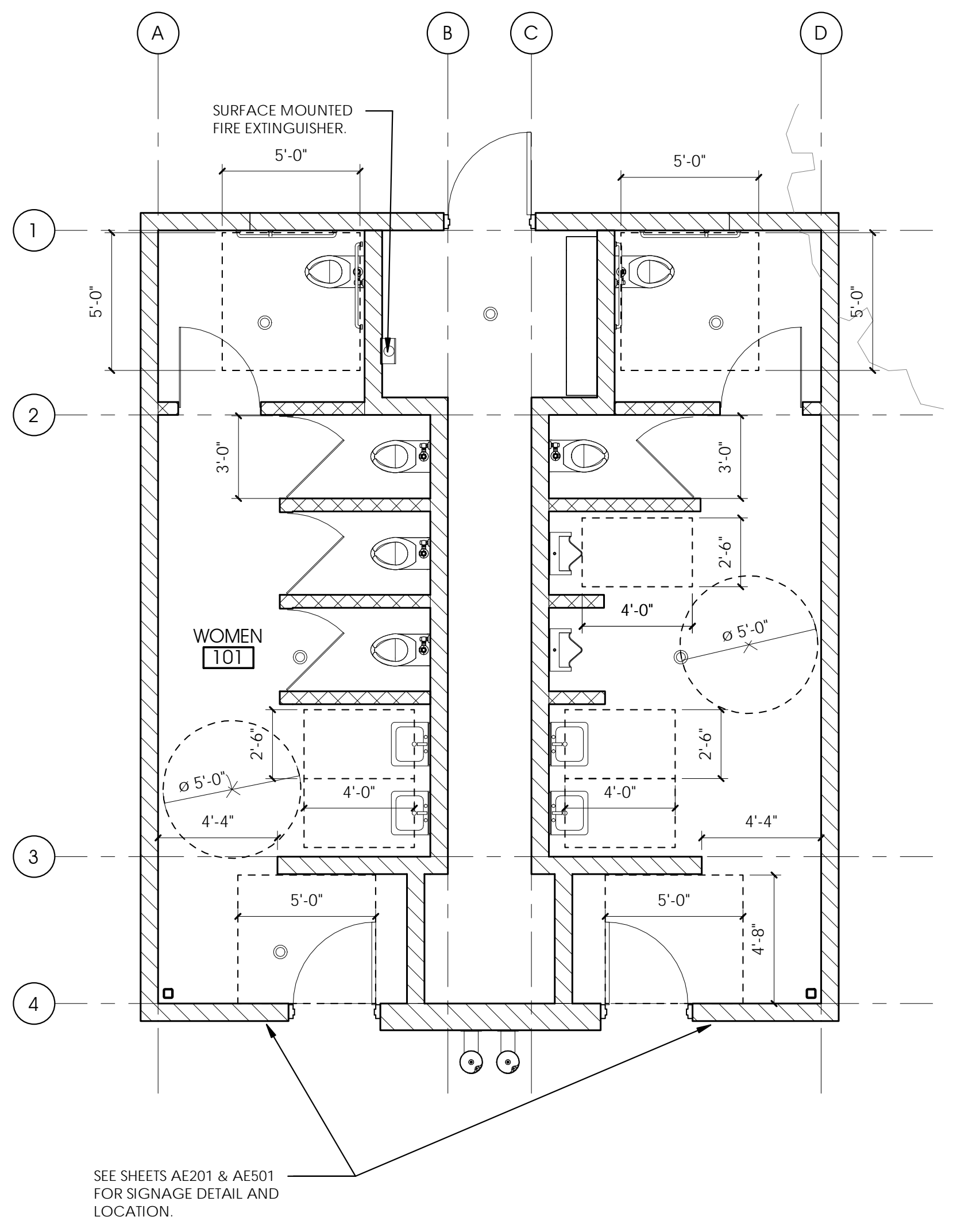
CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION:  
 GROUP U - UTILITY AND MISCELLANEOUS

CONSTRUCTION TYPE (IBC TABLE 601):  
 TYPE VB

IBC SECTION 503/ TABLE 503 ALLOWABLE HEIGHT AND BUILDING AREAS:  
 TYPE VB

ALLOWABLE AREA = 5,500 S.F.  
 ALLOWABLE HEIGHT = 1 STORY = 40 FEET

ACTUAL AREA = 777 S.F.  
 ACTUAL HEIGHT = 1 STORY, 16 FEET



SEE SHEETS AE201 & AE501 FOR SIGNAGE DETAIL AND LOCATION.

**A4 CODE PLAN**  
1/4" = 1'-0"

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ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**SALT LAKE COUNTY** Parks & Recreation  
 2001 South State St. S4-700  
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5051 SOUTH 4015 WEST  
 TAYLORSVILLE, UTAH

SHEET NAME:  
**ADA SIGNS - PICTOGRAMS / CODE ANALYSIS - CODE PLAN**

REVISIONS

MARK	DATE	DESCRIPTION
	08.31.19	REVIEW SET

ISSUE DATE: **08.31.19**  
 ISSUE TYPE: **PERMIT SET**  
 DRAWN BY: **AJL**  
 CHECKED BY: **K RIGBY**  
 PROJECT#: **1930.01**

SHEET NUMBER:

**GI004**

GENERAL STRUCTURAL NOTES

GENERAL

- 1. Changes to these contract drawings may be made only by an authorized representative of the engineer or architect. The architect or engineer shall not be held responsible or liable for any claims arising directly or indirectly from changes made without written authorization by an authorized representative.
2. Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved.
3. The contractor shall be responsible for means, methods, techniques, sequences, and procedures in the contract drawings and specifications. The contractor shall provide adequate shoring and bracing as required for the chosen method of erection.
4. The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc.
5. The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions, or modifications.
6. The contractor shall verify all site conditions and dimensions.
7. The structural notes are intended to complement the project specifications.
8. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings.
9. Typical details and sections shall apply where specific details are not shown.
10. Shop drawings made from reproductions of the drawings will be rejected unless the contractor signs a release agreement prior to the shop drawings being reviewed.
11. Review of shop drawing submittals by the engineer is for general compliance only and is not intended for approval.
12. All work shall be done in accordance with OSHA requirements.
13. Site observations by the engineer and or architect shall not be construed as approval of construction, the procedures, nor special inspection.
14. The terms "Engineer" and "Engineer of Record" (EOR) are meant to refer to an authorized representative of M J Structural Engineers.

BASIS FOR DESIGN

- 1. Governing Building Code IBC 2018
2. Risk Category II
3. Roof Snow Load
- Ground Snow Load P/g = 43 psf
- Flat Roof Snow Load P/f = 36 psf
- Snow Exposure Factor C/e = 1.0
- Thermal Factor C/t = 1.2
- Snow Load Importance Factor I/Snow = 1.0
4. Wind Load
- Basic Wind Speed (3 Second Gust) 103 mph
- Wind Exposure C
- Internal Pressure Coefficient +/- 0.18
5. Seismic Design Criteria
- Mapped Spectral Response Accelerations
- Short Period Acceleration S/S = 1.258
- 1-Second Acceleration S/1 = 0.441
- Site Class (Soil Profile) D
- Spectral Response Coefficients
- Short Period Acceleration S/DS = 0.839
- Seismic Importance Factor I/Seismic = 1.0
- Seismic Design Category W
- Effective Structural Seismic Weight W
- Basic Seismic Force Resisting System Special CMU Shearwalls
- Response Modification Coefficient R = 5
- System Over-Strength Factor Q/D = 2.5
- Deflection Amplification Factor C/D = 3.5
- Design Base Shear V = C/S\*W = 0.1678W
- Analysis Procedure Equivalent Lateral Force

FOUNDATION

- 1. Soils Investigation Report: None
2. Soil Bearing Pressure: 1500 psf - Assumed for Design
3. Frost Protection: 30 inches minimum
4. Clear excavations of debris and loose soil prior to placing footings. All footings shall bear on undisturbed natural sub-grade or engineered compacted fill as noted in these drawings.

EARTHWORK

- 1. Clearing: Remove all existing structures and associated foundations, slabs, fencing, asphalt, concrete, and incidental structures as necessary for project completion. The entire building area, including 3 feet beyond the building perimeter, shall be scraped to the depth necessary (4" minimum) to remove all vegetation, topsoil, loose/disturbed surficial soils, debris, and any other deleterious materials. Following stripping, all undocumented fill soils and any remaining loose natural soils shall be excavated to expose competent natural soils.
2. Proof roll the entire building pad area to check for the presence of unsuitable fills, soft spots, or other undesirable materials or conditions. Remove sub-grade materials that are unsuitable and replace with compacted structural fill or 2,000 psi lean concrete.
3. Compacted structural fill: All fill material shall be a well-graded granular material with a maximum size less than 3" and with not more than 15% passing a #200 sieve. It shall be compacted to at least 95% of the maximum laboratory density as determined by ASTM D 1557 for fill beneath footings and 90% for fill beneath floor slabs. All fill shall be tested. Compacted structural fill shall be placed in lifts not exceeding 8" in uncompacted thickness.
4. Floor slabs thicknesses shall be as indicated in the plans and underlain by a granular layer at least 4" thick. The granular fill shall be free-draining fill such as "pea" gravel or three-quarters- to one-inch minus clean gap-graded gravel with not more than 5% passing a #200 sieve and shall be compacted to at least 90% of the maximum laboratory density as determined by ASTM D 1557.

CONCRETE

- 1. Materials unless noted otherwise:
- Normal Weight Aggregates ASTM C 33
- Fly Ash, Class F Pozzolan ASTM C618
- Reinforcing Steel
- General ASTM 615 Grade 60 ( 60 ksi )
- Deformed Bar Anchors (DBA) ASTM A496
- Headed Stud Anchors (HSA) ASTM A108
- Anchor Bolts: See steel and/or wood section(s) of general notes.
- Admixtures: Air-entraining admixtures shall comply with ASTM C 260 (when used). Calcium chloride shall not be added to the concrete mix. Unreinforced concrete slabs on grade may have calcium chloride not exceeding one percent.
- Cement complying with ASTM C-150 shall be used for all concrete. See table of concrete properties for cement type.
- No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.

Table with columns: CONCRETE USE, EXPOSURE CLASSIFICATION, CEMENT TYPE, (MIN) fc, (MAX) w/c, (MAX) FLYASH, (MAX) AIR CONTENT, (MAX) AGG. S11", (MAX) SLUMP. Rows include Interior Footings, Exterior Footings, Interior SOG, Interior Walls, Exterior Walls, Above Grade, Exterior Walls Below Grade.

- 3. The contractor shall be responsible for the design, detailing, care, placement and removal of all formwork and shores.
- Supporting forms and shoring shall not be removed until structural members have acquired sufficient strength to safely support their own weight and any construction load to which they may be subjected.
4. Reinforcement shall have the following concrete cover:
- Cast-in-place Concrete Clear Cover:
- Cast against and permanently exposed to earth 3"
- Formed concrete exposed to earth or weather:
- #6 thru #18 bars 2"
- #5 and smaller bars 1-1/2"
5. Construction Joints and Control Joints:
- All horizontal and vertical construction joints, including between top of footing and foundation walls, shall be intentionally roughened to a full amplitude of approximately 1/4".
- Install construction or control joints in slabs on grade at a spacing not to exceed 30 times the slab thickness in any direction, unless noted otherwise.
6. Construction
- Use chairs or other support devices recommended by the CRSI to support bar and tie reinforcement bars.
- All embeds and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
- No pipes, ducts, sleeves, etc. shall be placed in structural concrete unless specifically detailed or approved by the structural engineer.
- Reinforcing bars shall not be welded. Do not substitute reinforcing bars for DBAs or HSAs.
- Top of concrete columns shall be flush (±1/4") with bottom of supported cast-in-place members.
7. Detailing
- Lap splice lengths shall be detailed to comply with the "Reinforcing Bar Lap Splice Schedule" contained within the contract drawings.
- Do not splice stirrups and ties. Do not splice vertical bars in retaining walls unless specifically shown.
- At joints provide reinforcing dowels to match the member reinforcing, unless noted otherwise.
- At all discontinuous control or construction slab on grade joints, provide (2) #4 x 48".
- Provide corner bars at intersecting wall corners using the same bar size and spacing as the horizontal wall reinforcing.
- All vertical reinforcing shall be doweled to footings, or to the structure below with the same size and spacing as the vertical reinforcing for the element above.
- See details for reinforcing around miscellaneous openings (8" to 36" wide). For openings wider than 36", contact the engineer.
- All recesses that interrupt reinforcing shall be reinforced the same as an opening.

MASONRY VENEER

- 1. Masonry Veneer Attachment and Reinforcing:
- To Wood and Steel Stud Walls: Attach veneer with Hohmann & Barnard "DW-10" or "DW-10HS seismic veneer anchors" (or equal) spaced at 16" on center.
- To Concrete Walls: Attach veneer with H and B 22 gauge galvanized dovetail slots installed vertically in concrete at 16" on center.
- To Reinforced Masonry Walls: Attach veneer with "tri-rod ladur type reinforcement" spaced at a maximum of 16" on center vertically consisting of (3) 3/16", galvanized, corrugated, wires.
2. Steel Lintels: Provide steel angle lintels at all openings through the masonry veneer. Provide 1" of bearing for each foot of width of opening, with a minimum bearing of 6". See the Steel Angle Lintel Schedule for size.

MASONRY

- 1. Materials, unless noted otherwise:
- Concrete Masonry Units (CMU): Lightweight Grade N, Type 1 fm = 1900 psi
- Mortar: Type "S" 1800 psi compressive strength.
- Grout shall attain a minimum compressive strength of 3000 psi at 28 days.
- Reinforcing Steel ASTM 615 Grade 60 (Fy = 60 ksi)
- Wire Joint Reinforcing ASTM A 951
- Deformed Bar Anchors (DBA) ASTM A496
- Headed Stud Anchors (HSA) ASTM A108
- Anchor Bolts ASTM A307 with ASTM A563 heavy hex nuts with ASTM F436 hardened washers unless noted otherwise.
2. Detailing Requirements:
- Standards: Reinforcing detailing shall comply with American Concrete Institute (ACI) Stadard 315, "Details and Detailing of Concrete Reinforcement."
- Reinforcement shall have the following cover:
- Joint reinforcement shall have not less than 5/8" mortar coverage from the exposed face.
- Other reinforcement shall have a minimum coverage of one bar diameter over all the bars, but not less than 3/4".
- Lap all masonry reinforcing according to the "Masonry Reinforcing Bar Lap Splice Schedule" contained in the contract documents.
- Lap all masonry reinforcing per bar size as follows:
- Required lap lengths for single bars centered in each cell:
- #3 = 18" #6 = 43" #9 = 82"
- #4 = 22" #7 = 60"
- #5 = 26" #8 = 72"
- Required lap lengths for 2 bars per cell with 2-1/2" cover:
- #3 = 18" #6 = 54" #9 = 82"
- #4 = 22" #7 = 63"
- #5 = 27" #8 = 72"
- Joint reinforcement shall lap a minimum of 6".
- All vertical reinforcing shall be doweled to the structure below (foundation wall, footing, etc) with the same size dowel, spacing (and in the same core) as the vertical wall reinforcing above.
- Provide corner bars with the required lap splice length.
- Wall openings 24" wide and wider: For unscheduled openings, provide reinforcing on all sides as shown in the details.
- Horizontal bars shall extend from floor level below to the floor, or roof level above.
- Horizontal bars shall extend a minimum of 48 bar diameters beyond the corners of the opening.
- Horizontal reinforcing shall terminate with a standard hook at edge of openings and ends of walls without corner bars as shown in the details.
- Horizontal wall reinforcing shall terminate with a standard 180 degree hook at each side of control joints except at floor and roof levels, lintels, beams, and at top of parapets as shown in the details.
- All masonry column ties shall terminate with 135 degree hooks plus a 6 bar diameter extension (4" minimum).
3. Construction Requirements:
- All units shall be laid with full mortar beds on the face shells. All head joints shall be filled solidly with mortar for a distance in from the face of the units not less than the thickness of the longitudinal-face shells.
- All cells containing reinforcement, embeds, anchor bolts, etc. shall be filled solid with grout.
- Grout pours shall be limited to 4'-0" unless high lift grouting procedures are followed.
- Vertical cells to be filled with grout shall have vertical alignment sufficient to maintain a clear, unobstructed vertical cell measuring not less than 2" by 3".
- Vertical steel reinforcement shall be placed and secured against displacement prior to grouting by wire positioners or other suitable devices at intervals not exceeding 11/2 bar diameters, or at girth lift heights, or at bar splice locations, whichever is less.
- Reinforcing bars shall not be welded. Do not substitute reinforcing bars for DBAs or HSAs.
- Grout all beams and joist pockets solid after installation of masonry and joists.
- Embed channels and plates shall be placed so as to create a flush surface with the face of the wall.
- Anchor bolts and headed stud anchors shall be set in grouted cells.

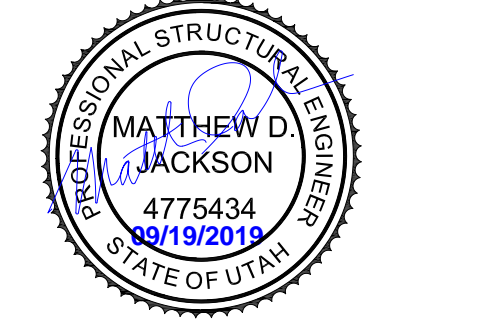
WOOD

- 1. Materials
- Dimension Lumber and Timbers (Sawn Lumber)
- All dimensioned lumber shall comply with USDOC PS20.
- Visually graded dimension lumber shall be Douglas Fir-Larch #2 or better.
- Visually graded timbers (5" x 5" and larger) shall be Douglas Fir-Larch #1 or better.
- Machine stress rated (MSR) lumber shall be 1600F-1.6E or better.
- End jointed lumber may be used interchangeably with solid sawn members of the same species and grade with written approval from the Engineer.
- Wood Structural Panel Sheathing
- Wood sheathing shall be APA rated sheathing Exposure 1 unless noted otherwise and shall conform to the requirements for its type in USDOC PS1 or USDOC PS2.
- Wood sheathing minimum thicknesses, span ratings, and nailing requirements shall be as indicated in the Roof and Floor Sheathing Schedule, unless noted otherw.
- Wood sheathing shall have the following minimum thicknesses and span ratings, unless noted otherwise:
- Roof 15/32"(32/16)
- Nails or other approved fasteners used to connect sheathing to the structure shall be driven such that their head or crown is flush with the surface of the sheathing. Do not overdrive fasteners.
- Laminated Veneer Lumber (LVL) , Laminated Strand Lumber (LSL), and Rim Board
- LVL, LSL and Rim Board shall comply with ASTM D5456.
- All LVL shall be a minimum of 13/4" thick have the following minimum properties, U.N.O.:
- Fb = 2600 psi; E = 1.9x10^6 psi; Fv = 285 psi; Ft = 1555 psi; Fcl = 2510 psi; Fc\_L = 750 psi
- All LSL shall be a minimum of 1 1/4" thick and shall have the following minimum properties, U.N.O.:
- Fb = 1700 psi; E = 1.3x10^6 psi; Fv = 400 psi; Ft = 1075 psi; Fcl = 1400 psi; Fc\_L = 680 psi
- All Rim Boards shall be a minimum of 1 1/4" thick and shall have the following minimum properties, U.N.O.:
- Fb = 1130 psi; E = 0.8x10^6 psi; Fv = 355 psi; Ft = 1415 psi
- Handle, store and install all LVL, LSL, and Rim Boards per the manufacturer's guidelines.
- Connect multiple members together per the manufacturer's guidelines and as shown in the details.
- Where discrepancies exist between the manufacturer's guidelines and the details shown in these plans, use the more stringent of the requirements.
2. Nails
- All Nails shall conform with the tolerances specified in ASTM F1667, "Standard Specification of Driven Fasteners: Nails, Spikes and Staples."
- All nails shall be common nails with the following properties:
- Nail Size Shank Diameter Min. Penetration into Support Member
- 6d 0.113" 1.25"
- 8d 0.131" 1.50"
- 10d 0.148" 1.63"
- 12d 0.148" 1.63"
- 16d 0.162" 1.75"
- Nails with properties less than those listed above shall not be used without prior written approval from the Engineer.
- Nails shall have round (full) heads. Nails with "T", brad, finish or casing heads are not permitted.
- Deformed shank nails shall have either a helical (screw) or an annular (ring) shank.
3. Bolts
- Anchor Bolts: ASTM F1554 Grade 36 (or A307 Grade A/C or A36)
- All anchor bolts connecting the sill plate to the concrete foundation shall have a PL1/4"x3"x3" washer between the sill plate and the nut and have a minimum 7" embedment into concrete.
- Connection Bolts: ASTM A307 Grade A/C or A36
- All bolted connections shall have a standard cut or larger washer on both sides of the connection (between the head and the wood member and between the nut and the wood member).
- Bolt holes shall be a minimum of 1/32" to a maximum of 1/16" larger than the bolt diameter. Holes shall be accurately aligned in main members and side plates or side members. Bolts shall not be forcibly driven.
- All bolted connections shall have a standard cut or larger washer on both sides of the connection
4. Connection Hardware
- All connection hardware shown shall be supplied by Simpson Strong-Tie Incorporated or USP structural connectors.
- Install all hardware per the manufacturer's guidelines.
- Connection hardware of equal design properties by other manufacturers may be substituted with written approval from the Engineer.
5. Fasteners in contact with pressure-treated or fire-treated wood shall be hot-dipped zinc-coated galvanized or stainless steel.
6. All wood in contact with concrete, masonry or soil shall be pressure treated or redwood.
7. General framing and carpentry shall be connected as per "THE MINIMUM NAILING SCHEDULE" unless noted otherwise.
8. Provide rim board or solid blocking at all joist, rafter, and match bearing points U.N.O. Where blocking is used, it shall be at least 2" (nominal) thick full depth of joist and shaped to match slope of blocked member.
9. Rim board or blocking between joists shall be nailed to the wood plate at the top of the wall with one Simpson "A35" framing anchor per each piece of blocking. Fill all holes in the framing anchors with 8d x 11/2" nails (12 nails per A35), unless shown otherwise on the drawings.
10. Provide approved bridging at 8'-0" on center maximum between joist or rafter end supports where both the top and bottom chord of the member are not braced with sheathing or wall board.
11. Built-up beams of 2x members shall be connected together as shown in the details.
- Where a built-up beam connection is not shown in the details, built-up beams shall be connected as follows:
- Members 12" or less in depth shall be spiked together with not less than 16d spikes at 12" on center, staggered.
- Members more than 12" shall be connected together with 1/2" diameter bolts at 24" on center, staggered. Bolts shall be placed one-quarter of the depth of the member from the top and bottom of the member.
12. All bearing and shear walls shall have a minimum of 2 top plates. Splices in top plates shall be made as shown in the top-plate splice schedule.
- Where a top-plate splice is not shown in the details, top plates splices shall be staggered a minimum of 4'-0" from the nearest splice in adjoining top plate and spiked together with a minimum of (20) 16d nails between splices unless noted otherwise.
13. Provide a double joist under parallel partitions.
14. Do not cut or notch any wood stud greater than 25% of its width. Do not bore a hole in any wood stud greater in diameter than 40% of its width. Bored holes shall be centered in the stud whenever possible. In no case shall the edge of any bored hole be nearer than 1" to the edge of the stud. Bored holes shall not be located at the same section of stud as a cut or notch.
15. Bored holes up to 60% of the stud width are allowed provided that an additional stud is placed adjacent to the stud to be bored, that the bored hole is centered in the stud, and no more than two successive sets of studs are so bored.

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ARCHITECT / CONSULTANT



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PROJECT DESCRIPTION SOUTH RIDGE PARK NEW RESTROOMS VOL. I

5051 SOUTH 4015 WEST TAYLORSVILLE, UTAH

SHEET NAME: GENERAL STRUCTURAL NOTES

Table with columns: MARK, DATE, DESCRIPTION. Revisions section.

ISSUE DATE: 09/19/2019
ISSUE TYPE: PERMIT SET
DRAWN BY: BH
CHECKED BY: MJ
PROJECT#: 19174

SHEET NUMBER:



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**QUALITY ASSURANCE PLAN / SPECIAL INSPECTION REQUIREMENTS**

- Special inspections conforming to IBC Chapter 17 are required for construction. The owner, or owner's agent, shall employ one or more approved agencies to perform inspections during construction of the types listed in IBC Section 1705 in addition to those inspectors indicated in IBC Section 110.
- The special inspector shall provide written documentation to the building official demonstrating his or her competence, experience and training. He/She shall keep records of the inspections and provide the inspection reports to the building official and engineer of record. Reports shall indicate if the inspected work was or was not completed according to the approved construction documents. All discrepancies shall be brought to the immediate attention of the contractor for correction. If discrepancies are not corrected, they shall be brought to the attention of the building official and engineer of record prior to completion of that phase of work. A final report detailing inspections and any corrections required shall be submitted to the building official at a predetermined time.
- Each contractor and sub-contractor at the building site shall provide full access for the special inspector to perform the required special inspections. In addition, each contractor and sub-contractor responsible for the construction of the main wind force or seismic force resisting system, or component, indicated in the statement of special inspection shall submit a written statement of responsibility to the building official and owner. This statement of responsibility shall acknowledge awareness of the special inspection requirements contained in the statement of special inspection.
- Verify materials below foundations are adequate to achieve the design bearing capacity per the project geotechnical report - Periodic special inspection required.
  - Verify excavations are extended to the proper depth and have reached proper materials per the project geotechnical report - Periodic special inspection required.
  - Perform classification and testing of compacted fill materials - Periodic special inspection required.
  - Verify use of proper materials, densities and lift thickness during placement and compaction of compacted fill material - Continuous special inspection required.
  - Prior to placement of compacted fill material, inspect the subgrade and verify that the site has been prepared properly - Periodic special inspection required.
- Required Verification and Inspection for Concrete Construction
 

	CONT	PER	REFERENCE
Inspection for concrete construction			
Inspection of reinforcing steel, including prestressing tendons and placement	--	Per	ACI 318 Sec. 3.5, 7.1-7.7,
Inspection of reinforcing steel welding in accordance with IBC Table 1705.2.2, Item 2b in hardened concrete elements (1)	--	--	ACI 318 Sec. 3.5.2, AWS D1.4
Inspection of cast-in-place anchors	--	--	ACI 318 Sec. 8.1.3, 21.1.8, IBC 1908.5, 1909.1
Inspection of anchors post-installed	Cont	--	ACI 318 Sec. 3.8.6, 8.1.3, 21.1.8, IBC 1910.2-3
Verifying use of required design mix	--	Per	ACI 318 Sec. 3.8.6, 8.1.3, 21.1.8, IBC 1910.2-3
At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	Cont	Per	ACI 318 Sec. 4, 5.2-5.4, IBC 1904.2, 1910.2-3
Inspection of the concrete and shotcrete placement for proper application techniques	Cont	--	ACI 318 Sec. 5.9-5.10, IBC 1910.6-1910.8
Inspection for maintenance of specified curing temperature and techniques	--	Per	ACI 318 Sec. 5.11-5.13, IBC 1910.9
Inspection of prestressed concrete			
Application of prestressing forces			
Grouting of bonded prestressing tendons in the seismic force resisting system	Cont	Per	ACI 318 Sec. 18.18.4, 18.20
Erection of precast concrete elements	--	Per	ACI 318 Ch. 16
Verification of in-situ concrete strength prior to stressing of tendons in post-tensioned concrete, and prior to removal of shores and forms from beams and structural slabs	--	Per	ACI 318 Sec. 6.2
Inspection of formwork for shape, location and dimensions of the concrete element being formed	--	Per	ACI 318 Sec. 6.1.1
(1) Specification requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with ACI 355.2 or other qualification procedures.			
- Required Verification and Inspection for Masonry Construction
 

	CONT	PER	REFERENCE
Masonry construction shall be inspected and verified in accordance with TMS 402 / ACI 530 / ASCE 5 and TMS 602 / ACI 530.1 / ASCE 6 quality assurance program requirements.			
Inspection of Masonry - Level B			
Verify compliance with approved submittals	--	Per	TMS 602 Sec. 1.5
As masonry construction begins, verify that the following are in compliance:			
Proportions of site-prepared mortar	--	Per	TMS 602 Sec. 2.1, 2.6A
Construction of mortar joints	--	Per	TMS 602 Sec. 3.3B
Location of reinforcing and connectors	--	Per	TMS 602 Sec. 3.4, 3.6A
Prior to grouting, verify that the following are in compliance:			
Grout space	--	Per	TMS 602 Sec. 3.2D, 3.2F
Grade, type, and size of reinforcing	--	Per	TMS 402 Sec. 6.1, TMS 602 Sec. 2.4, 3.4
and anchor bolts			
Placement of reinforcing and connectors	--	Per	TMS 402 Sec. 6.1, 6.2.1, 6.2.6, 6.2.7
Proportions of site-prepared grout	--	Per	TMS 602 Sec. 3.2E, 3.4, 3.6A
Construction of mortar joints	--	Per	TMS 602 Sec. 2.6B, 2.4G.1.b
Verify during construction:			
Size and location of structural elements	--	Per	TMS 602 Sec. 3.3F
Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	--	Per	TMS 402 Sec. 1.2.1(e), 6.1.4.3, 6.2.1
Welding of reinforcement	--	Per	TMS 402 Sec. 8.1.6.7.2, 9.3.3.4(c), 11.3.3.4(b)
Preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F)	--	Per	TMS 602 Sec. 1.8C, 1.8D
Placement of grout	Cont	--	TMS 604 Sec. 3.5, 3.6C
Observe preparation of grout specimens, mortar specimens, and prisms	--	Per	TMS 602 Sec. 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4
- Required Verification and Inspection for Wood Construction
  - The special inspector shall verify the fabricator of prefabricated wood structural elements maintains detailed fabrication and quality control procedures that provide a basis for the inspection control of workmanship and the fabricator's ability to conform to the construction documents and referenced standards. The inspector shall review the procedures for completeness and accuracy. Special inspections shall not be required where the fabricator is approved in accordance with IBC Section 1704.2.5.2.
  - Inspection of high load diaphragms shall verify panel sheathing material, thickness, nail size, number of fastener lines, the spacing between fasteners and the nominal size of framing members and adjoining panel edges.
  - For metal plate connected wood trusses spanning 60 feet or greater, the inspector shall verify the temporary installation of restraint/bracing and the permanent restraint/bracing are installed in accordance with the approved truss submittal package.
  - Continuous special inspection is required for field gluing of elements of the main wind-force resisting system. Periodic special inspection is required for nailing, bolting, anchoring and other fastening of components within the main wind-force resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs. Periodic special inspection is also required for roof and wall cladding.

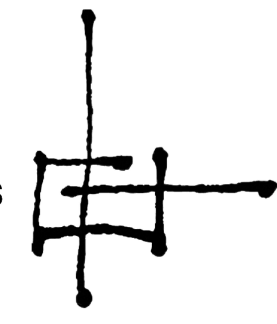
**LEGEND OF MARKS AND ABBREVIATIONS**

ALT	Alternate	JST	Joist
ARCH	Architect	JST's	Joists
BLDG	Building	k	Kip(s) = 1000 Pounds
BLK	Blocking	klf	Kips Per Linear Ft
BN	Boundary Nail	kfs	Kips Per Square Ft
BOTT	Bottom	LB	Pounds (#)
BRG	Bearing	LSL	Laminated Strand Lumber
BTWN	Between	LVL	Laminated Veneer Lumber
BYND	Beyond	MAS	Masonry
CANT	Cantilever	(MAX)	Maximum
CGS	Center of Gravity of Strand	MECH	Mechanical
CJ	Control Joint	MEZZ	Mezzanine
CJP	Complete Joint Penetration	MFR	Manufacturer
CL	Center Line	(MIN)	Minimum
CLR	Clear	MISC	Miscellaneous
CMU	Concrete Masonry Unit	MTL	Metal
COL	Column	(N)	New
CONC	Concrete	oc	On Center
CONT	Continuous	OPNG	Opening
CS	Coil Strap	OPP	Opposite
DB	Deck Bearing	OSB	Orientated Strand Board
DBA	Deformed Bar Anchor	PCF	Pounds Per Cubic Ft
DBL	Double	PERP	Perpendicular
DIM	Dimension	PL	Plate
DWG	Drawing	PLF	Pounds Per Linear Ft
(E)	Existing	PRE-FAB	Pre-Fabricated
EA	Each	psf	Pounds Per Square Ft
ELEC	Electrical	psi	Pounds Per Square Inch
EMBED	Embedment	PT	Post Tension
EN	Edge Nail	PT/DF	Pressure Treated Douglas Fir
EQ	Equal	RD	Roof Drain
EQUIP	Equipment	REINF	Reinforce/Reinforcement/Reinforcing
EXT	Exterior	REQD	Required/Requirements/Requiring
FD	Floor Drain	RTU	Roof Top Unit
FND	Foundation	SCHED	Schedule
FLR	Floor	SCW	Seismic Critical Weld
FTG	Footing	SIM	Similar
FRT	Fire Retardant Treatment	STD	Standard
GA	Gauge	STIFF	Stiffener
GALV	Galvanized	STL	Steel
GLB	Glued Laminated Beam	STRUCT	Structural
GSN	General Structural Notes	HD	Hold-Down
HD	Hold-Down	HDR	Header
HDR	Header	HORIZ	Horizontal
HORIZ	Horizontal	HSA	Headed Stud Anchor
HSA	Headed Stud Anchor	HSS	Hollow Structural Section
HSS	Hollow Structural Section	ICBO	International Conference of Building Officials
ICBO	International Conference of Building Officials	IBC	International Building Code
IBC	International Building Code	INT	Interior
INT	Interior	w/	With
		WWR	Welded Wire Reinforcement
		WP	Working Point

**POST INSTALLED ANCHORS**

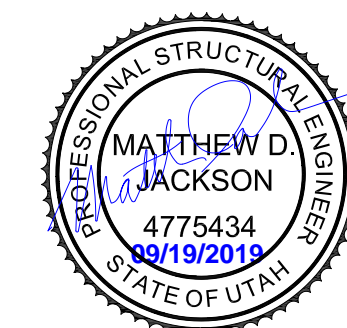
- Follow all ICC Evaluation Report and manufacturers' requirements and recommendations for post-installed anchor installation. Where conflicts may exist, the most stringent requirement applies.
- All holes in hollow, brick, or stone masonry shall be performed in the "rotary-only" mode with the hammer function off.
- Follow manufacturer and ICC evaluation report requirements for installation temperature of adhesive anchors. Adhesive anchors shall not be installed or cured outside of approved temperature ranges.
  - Adhesive anchors in concrete shall be
    - HIT RE-500 SD by Hilti (ESR-2322) - normal weight concrete only
    - SET-XP by Simpson (ESR-2508)
    - PURE 110+ by Dewart (ESR-3298)
    - AC 200+ (cold weather) by Dewart (ESR-4027)
  - Adhesive anchors in grouted masonry shall be
    - HIT HY-150 MAX by Hilti (ESR-1967)
    - SET by Simpson (ESR-1772)
- Concrete Screw Anchors
  - Concrete screw anchors shall be
    - Titen-HD Concrete Screw Anchor by Simpson Strong-Tie (ESR - 2713 Cracked & UnCracked Concrete) - Normal weight concrete only
    - Kwik HUS-EZ Screw Anchor by Hilti (ESR - 3027 Cracked & UnCracked Concrete) - Normal weight concrete only
    - Screwbolts+ Screw Anchor by Dewart (ESR-3889)
- The Contractor may submit, for review and approval, the manufacturer's ICC evaluation report of alternate anchor systems. The alternate method shall provide minimum capacities equal to or greater than those in the above noted anchors. The alternate method
- Special Inspection and Testing
  - Adhesive Anchors in Solid Brick Masonry: Tension test 5% of all anchors to 3000 lbs. Hold load for five minutes. Torque test 25% of all anchors with a calibrated wrench to 60 foot-pounds.
  - Mechanical anchors shall be tension tested to twice the allowable tension load listed in the ICC
  - Installation of adhesive anchors that are to be under sustained tension loading horizontal to vertically overhead installation shall be done by a certified adhesive anchor installer (AAI) as certified through ACI and in accordance with ACI 318-14 (section 17.8.2.2). Proof of current certification shall be submitted to the engineer for approval prior to commencement of installation.
  - Per ACI 318-14 (section 17.1.2) adhesive anchors shall be installed in concrete having a minimum age of 21 days at time of anchor installation. For installations sooner than 21 days, consult adhesive manufacturer.
  - If temperature of base material at time of adhesive installation is at 45 degrees (fahrenheit) or less, an "Acrylic" (cold weather) adhesive is required.

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PROJECT DESCRIPTION  
SOUTH RIDGE PARK NEW  
RESTROOMS VOL. 1

5051 SOUTH 4015 WEST  
TAYLORSVILLE, UTAH

SHEET NAME:

GENERAL STRUCTURAL  
NOTES

REVISIONS  
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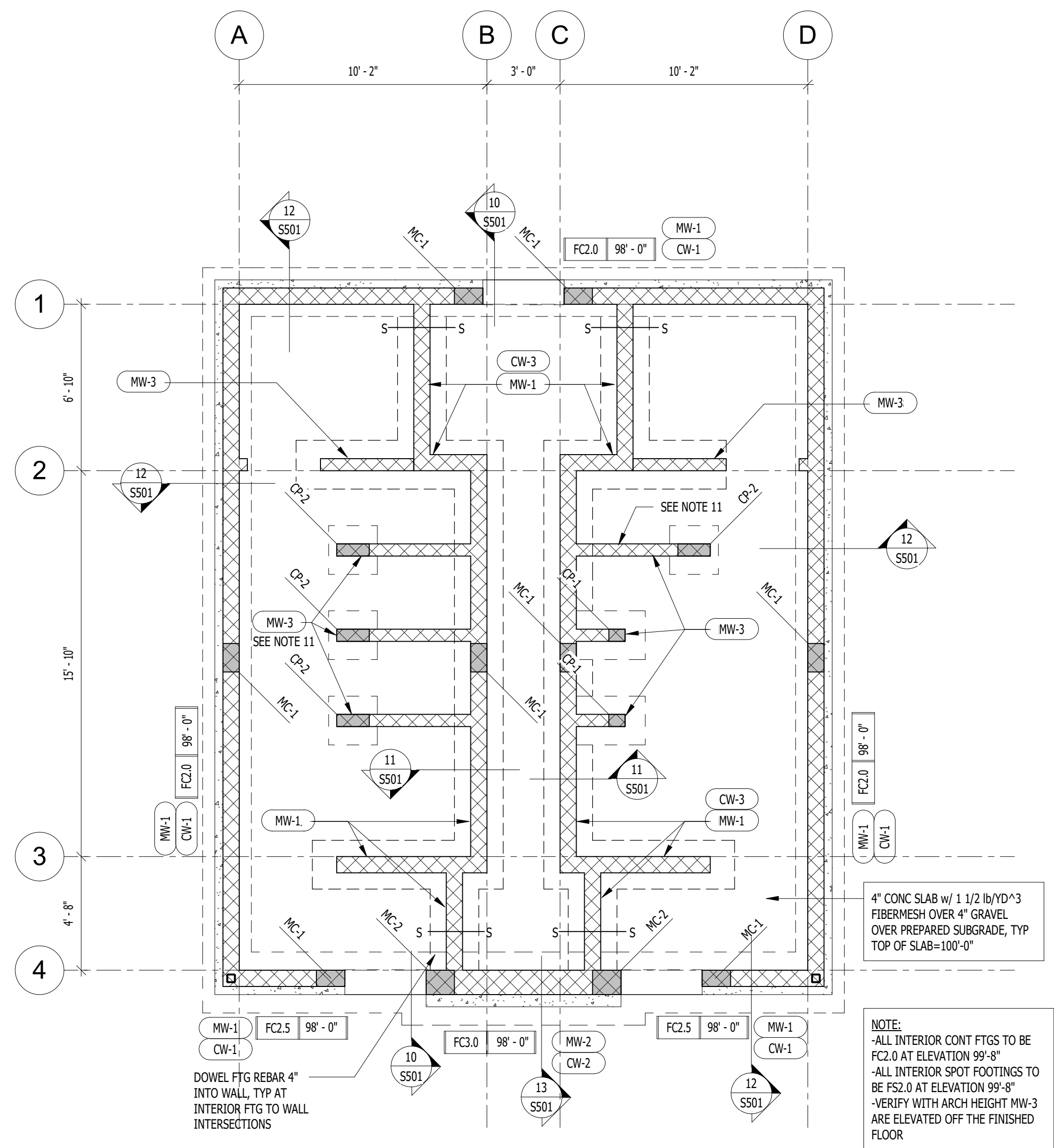
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1 FOOTING AND FOUNDATION PLAN - BUILDING 1  
 1/4" = 1'-0"

FOOTING AND FOUNDATION PLAN NOTES

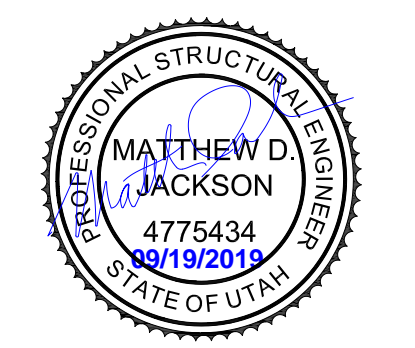
- COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
- CENTER ALL SPOT FOOTINGS UNDER COLUMNS AS SHOWN ON PLAN TYPICAL, UNLESS NOTED OTHERWISE.
- SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR BURIED PIPES RUNNING PARALLEL AND PERPENDICULAR TO FOOTINGS.
- SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR TYPICAL CONSTRUCTION AND CONTROL JOINTS IN FLOOR SLAB.
- SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR FILL BENEATH FOOTINGS.
- SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR REINFORCING CORNERS AND INTERSECTION WALLS.
- SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR REINFORCING AROUND MISCELLANEOUS OPENINGS IN MASONRY WALLS.
- SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR REINFORCING AROUND RECESSES IN MASONRY WALLS.
- SEE FOOTING AND FOUNDATION DETAILS ON SHEET (SS01) FOR TERMINATION OF HORIZONTAL WALL REINFORCING AT END OF WALLS.
- AT MW-3 PROVIDE (ML-1) 8" ABOVE FLOOR AT TOILET PARTITIONS, SEE MASONRY WALL SCHEDULE AND ARCHITECTURAL DRAWINGS.

MARKS AND SYMBOLS

	SECTION MARK
	SHEET NUMBER
	FTG DESIGNATION TOP OF FTG ELEVATION
	CONC WALL, SEE SCHED
	MAS WALL, SEE SCHED
	MAS COL, SEE SCHED
	CONC WALL TAG, SEE PLAN AND SCHED
	MAS WALL ABY CONC WALL TAG, SEE SEE PLAN AND SCHED
	MAS COL TAG, SEE PLAN AND SCHED
	MAS LINTEL TAG, SEE PLAN AND SCHED
	CONT FTG, SEE SCHED
	CONTROL JOINT, SEE FTG AND FND DETAILS

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PROJECT DESCRIPTION  
 SOUTHRIDGE PARK NEW  
 RESTROOMS VOL. 1

5051 SOUTH 4015 WEST  
 TAYLORSVILLE, UTAH

SHEET NAME:  
 FOOTING AND  
 FOUNDATION PLAN -  
 BUILDING 1

REVISIONS

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1		

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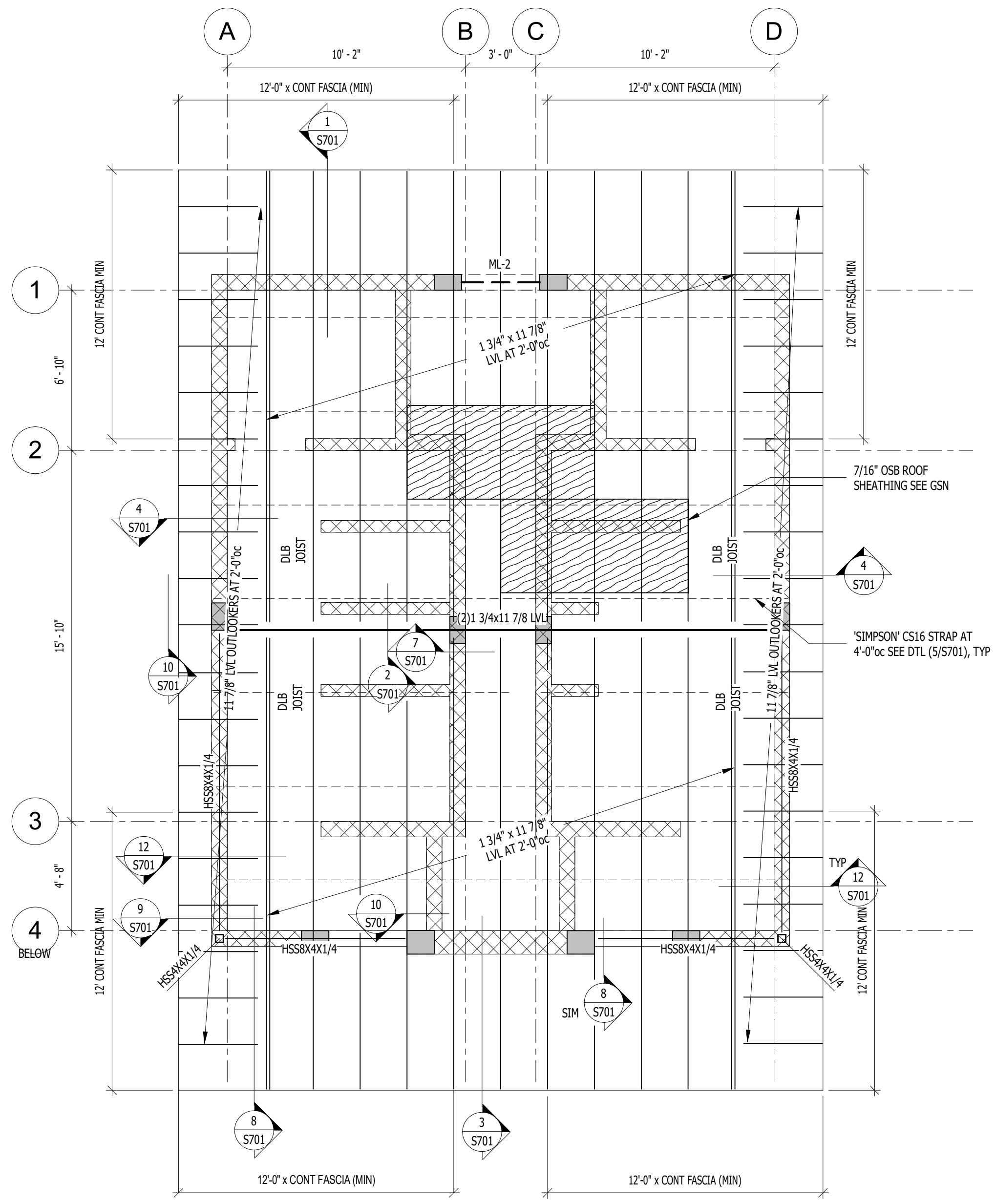
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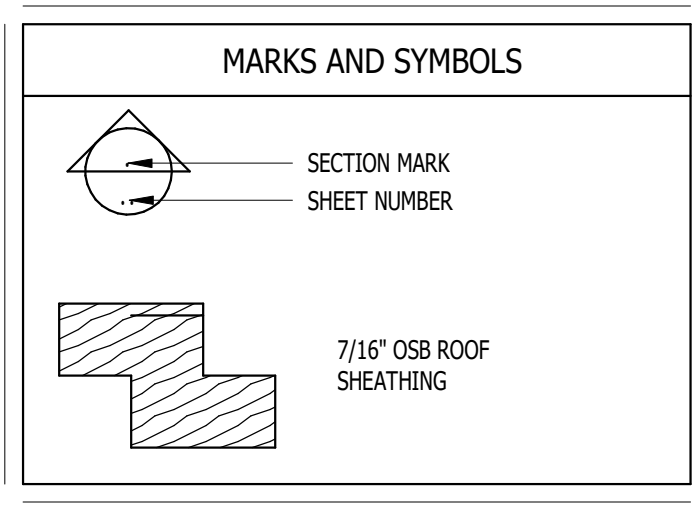
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1 ROOF FRAMING PLAN - BUILDING 1  
 1/4" = 1'-0"

- ROOF FRAMING PLAN NOTES**
- SEE ARCHITECTURAL PLANS FOR ALL DIMENSIONS.
  - VERIFY ROOF SLOPES, OVERHANGS, PLATE ELEVATIONS, PARAPET ELEVATION WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CEILING ELEVATIONS AND SOFFIT ELEVATIONS AND DETAILS.
  - ALL ROOF SHEATHING SHALL HAVE FACE GRAIN PERPENDICULAR TO FRAMING MEMBERS U.N.O. REFER TO SCHEDULE FOR SHEATHING TYPE AND NAILING REQUIREMENTS.
  - ALL WOOD FRAMING AT BUILDING PERIMETER WALLS (STUDS, SHEATHING, SILL PLATES, TOP PLATES, BLOCKING, RIM HEADERS, ETC.) SHALL BE FIRE TREATED, SEE SPECIFICATIONS FASTENERS, (NAILS, BOLTS, HANGERS, CLIP ANGLES, HARDWARE, ETC.) IN CONTACT WITH FIRE TREATED WOOD SHALL BE GALVANIZED OR STAINLESS STEEL.
  - SEE THE MINIMUM NAILING SCHEDULE ON (S302) FOR CONNECTIONS NOT SPECIFICALLY DETAILED.
  - SEE DETAILS FOR PIPE PENETRATIONS THROUGH WOOD WALL TOP PLATES.
  - CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY BRACE WALLS, BEAMS, TRUSSES, ETC. AS NECESSARY DURING CONSTRUCTION.



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**SOUTHRIDGE PARK NEW RESTROOMS VOL.1**

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 TAYLORSVILLE, UTAH

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**ROOF FRAMING PLAN - BUILDING 1**

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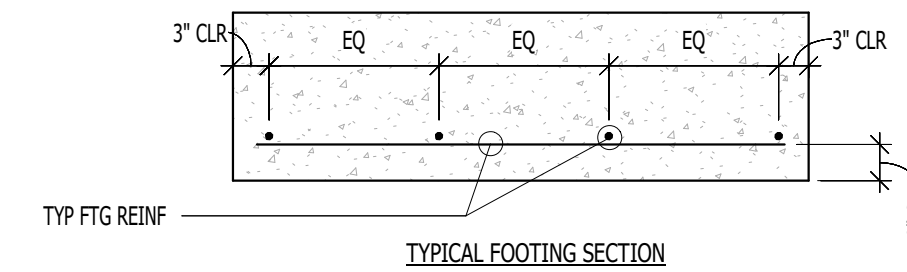


CONCRETE FOOTING SCHEDULE												
MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE			REINFORCING LENGTHWISE			REMARKS		
				NO	SIZE	LENGTH	SPACING	NO	SIZE		LENGTH	SPACING
FC2.0	2'-0"	CONT	12"	-	-	-	-	3	#4	CONT	EQ	
FC2.5	2'-6"	CONT	12"	-	#5	2'-0"	14"	3	#5	CONT	EQ	
FC3.0	3'-0"	CONT	12"	-	#5	2'-6"	14"	3	#5	CONT	EQ	
FS2.0	2'-0"	2'-0"	12"	3	#4	1'-6"	EQ	3	#4	1'-6"	EQ	

C2500-S1500

**NOTES:**

1. PLACE ALL FOOTING REINFORCING IN BOTTOM WITH 3" CLEAR CONCRETE COVER, UNLESS NOTED OTHERWISE.
2. TOP REINFORCING, WHERE SPECIFIED, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" MINIMUM CONCRETE COVER.
3. IF FOOTINGS ARE EARTH FORMED, FOOTING WIDTH AND LENGTH SHALL BE 6" WIDER AND LONGER THAN SCHEDULED.
4. SEE GENERAL STRUCTURAL NOTES FOR ALL OTHER REQUIREMENTS.
5. NOT ALL FOOTINGS ARE USED, SEE FOUNDATION PLAN FOR FOOTING MARKS.
6. RUN CONTINUOUS BARS IN FC FOOTING THROUGH INTERSECTED FS FOOTINGS.

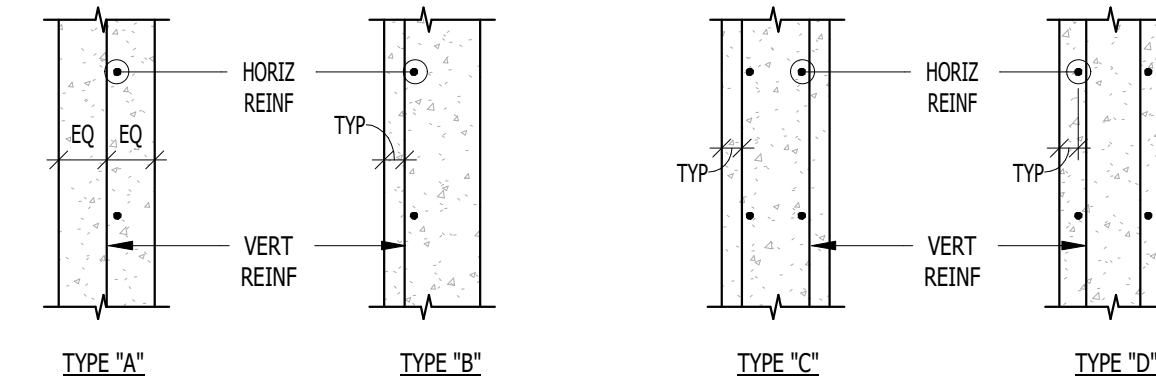


CONCRETE WALL SCHEDULE						
MARK	THICKNESS	REINFORCING			WALL TYPE	REMARKS
		VERTICAL	HORIZONTAL	TOP AND BOTTOM		
CW-1	8"	#4 AT 12"oc EF	#5 AT 16"oc EF	(2) #5	C OR D	
CW-2	12"	#4 AT 12"oc EF	#5 AT 16"oc EF	(2) #5	C OR D	
CW-3	8"	#4 AT 12"oc	-	(1) #5	A	

**NOTES:**

1. SEE GENERAL STRUCTURAL NOTES FOR REQUIREMENTS NOT NOTED IN SCHEDULE.

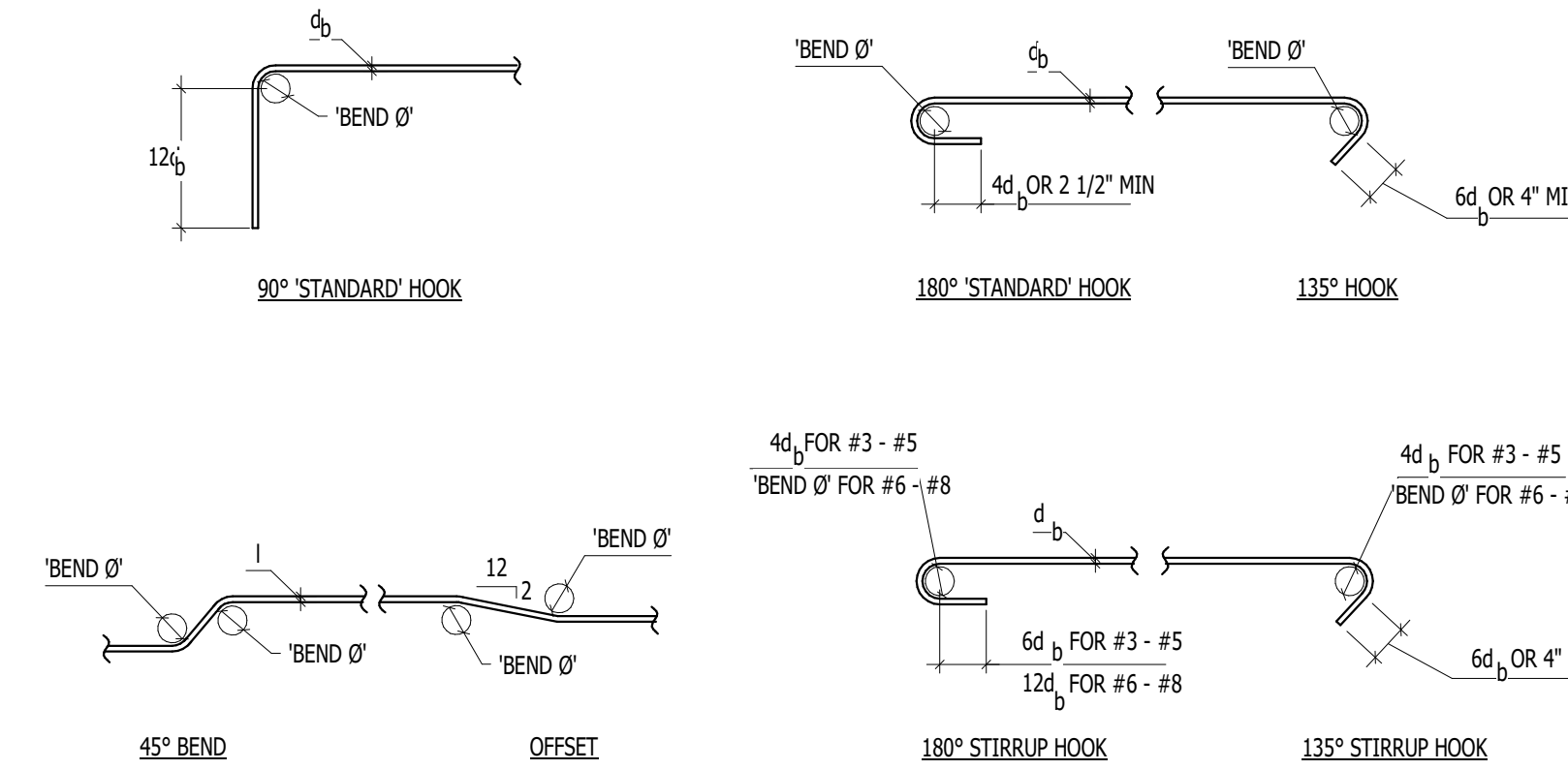
**WALL REINFORCEMENT PLACEMENT TYPES:**



CONCRETE REINFORCING BAR LAP SPLICE SCHEDULE																	
MARK	TENSION BARS										COMPRESSION BARS						
	f <sub>c</sub> = 3000psi		f <sub>c</sub> = 4000psi		f <sub>c</sub> = 5000psi		f <sub>c</sub> = 6000psi		ALL f <sub>c</sub>								
	REGULAR	TOP	REGULAR	TOP	REGULAR	TOP	REGULAR	TOP	REGULAR	TOP							
	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS							
	A	B	A	B	A	B	A	B	A	B							
#3	17"	22"	22"	28"	15"	19"	19"	24"	13"	17"	17"	22"	12"	16"	16"	20"	12"
#4	22"	29"	29"	38"	19"	25"	25"	33"	17"	22"	22"	29"	16"	21"	21"	27"	15"
#5	28"	36"	36"	47"	24"	31"	31"	41"	22"	28"	28"	36"	20"	26"	26"	33"	19"
#6	33"	43"	43"	56"	29"	37"	37"	49"	26"	34"	34"	43"	24"	31"	31"	40"	23"
#7	49"	63"	63"	81"	42"	54"	54"	70"	37"	48"	48"	63"	35"	45"	45"	58"	27"
#8	55"	72"	72"	93"	47"	62"	62"	80"	42"	55"	55"	71"	39"	51"	51"	66"	30"
#9	62"	81"	81"	105"	53"	69"	69"	90"	48"	62"	62"	81"	44"	58"	58"	75"	34"
#10	70"	91"	91"	118"	60"	78"	78"	101"	54"	70"	70"	91"	50"	65"	65"	84"	39"
#11	78"	101"	101"	131"	67"	87"	87"	112"	60"	77"	77"	101"	55"	72"	72"	93"	43"

**NOTES:**

1. THESE NOTES SHALL BE USED FOR ALL SPLICES UNLESS NOTED OTHERWISE.
2. TOP BARS ARE CLASSIFIED AS HORIZONTAL BARS WHERE 12" OR MORE OF FRESH CONCRETE CAST BELOW THE REINFORCING BAR.
3. CLASS 'B' SPLICES SHALL BE USED FOR ALL SPLICES UNLESS NOTED OTHERWISE.
4. TIES AND STIRRUPS SHALL NOT BE SPLICED.
5. FOR ALL LIGHTWEIGHT CONCRETE, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3.
6. FOR ALL EPOXY COATED BARS, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3 FOR TOP BARS AND FOR REGULAR BARS.



**1 CONCRETE FOOTING SCHEDULE**

NO SCALE

**2 CONCRETE WALL SCHEDULE**

NO SCALE

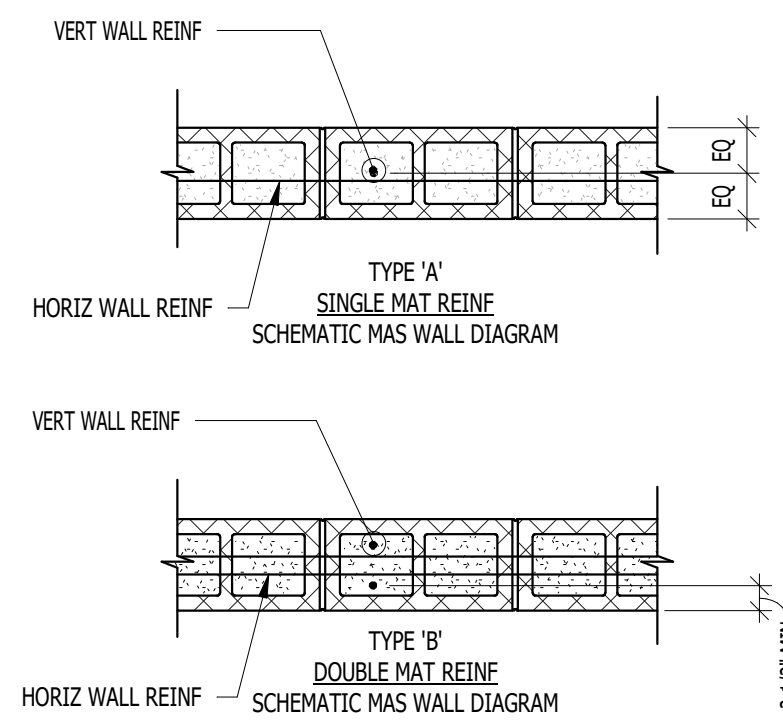
**3 CONCRETE REINFORCING LAP SPLICE AND BAR BENDING DIAGRAM SCHEDULE**

NO SCALE

MASONRY WALL SCHEDULE								
MARK	THICKNESS	MATERIAL	SOLID GROUT	REINFORCING		WALL TYPE	JOINT	SPECIAL INSPECTION REQUIRED
				VERTICAL	HORIZONTAL			
MW-1	8"	CMU	YES	(1) #5 AT 24"oc	(1) #5 AT 24"oc	A	NONE	
MW-2	12"	CMU	YES	(1) #5 AT 16"oc	(2) #5 AT 24"oc	B	NONE	
MW-3	6"	CMU	YES	(1) #5 AT 24"oc	(1) #5 AT 24"oc	A	NONE	

**NOTES:**

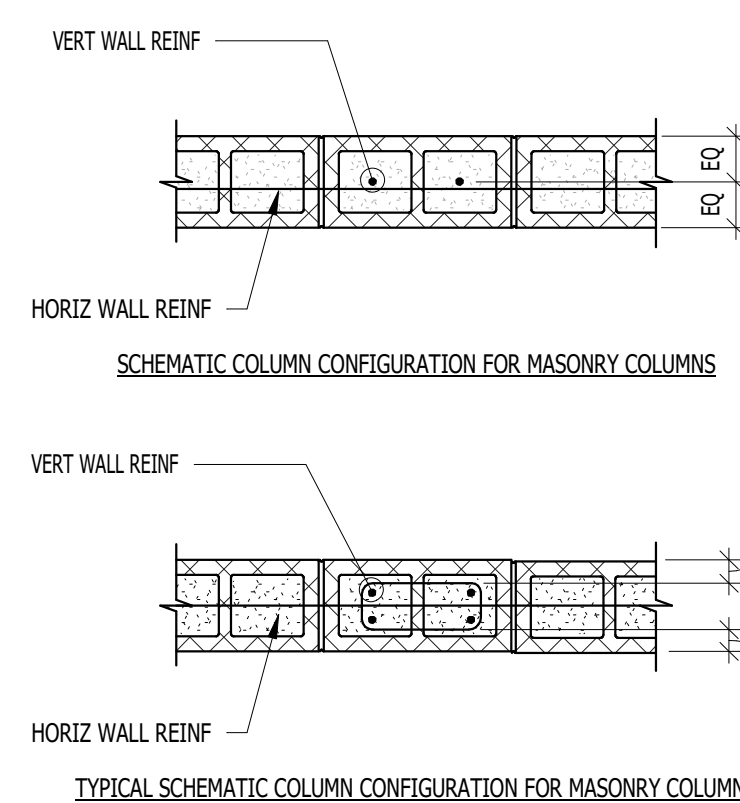
1. COORDINATE WITH ARCHITECTURAL DRAWINGS: FINISHES, COURSING, MATERIAL, ETC.
2. DO NOT GROUT WALLS UNLESS NOTED OTHERWISE.
3. ALL MASONRY BELOW GRADE SHALL BE SOLID GROUTED.
4. VERTICAL REINFORCING SHALL BE CENTERED IN THE WALL UNLESS NOTED OTHERWISE.
- (1) VERTICAL BAR MINIMUM AT ALL CORNERS AND END OF WALLS.
6. HORIZONTAL WALL REINFORCING SHALL BE PLACED BETWEEN VERTICAL MASONRY COLUMN REINFORCING BARS.
7. HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS, WHERE THE HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE, USE THE LARGER REINFORCING.
8. AT MW-3 WHERE PARTITION WALLS ARE ELEVATED OFF FLOOR PROVIDE ML-1.
9. AT MW-3 PROVIDE ML-1 AT TOP OF WALL AND DOME GROUT CAP.
10. SEE GENERAL STRUCTURAL NOTES FOR ALL OTHER REQUIREMENTS.



MASONRY COLUMN SCHEDULE				
MARK	PIER SIZE	REINFORCING		COMMENTS
		VERTICAL	TIES	
MC-1	8" x 16"	(2) #5	-	
MC-2	12" x 16"	(4) #5	#3 AT 8"oc	

**NOTES:**

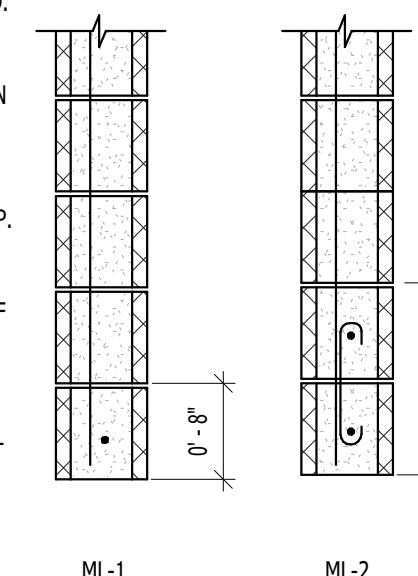
1. THE CENTERLINE OF VERTICAL BARS SHALL BE LOCATED 1/2" FROM THE FACE OF THE MASONRY. HORIZONTAL WALL REINFORCEMENT SHALL BE LOCATED TO THE INSIDE OF THE VERTICAL BARS.
2. VERTICAL REINFORCING AND TIES SHALL EXTEND TO FULL WALL HEIGHT, UNLESS NOTED OTHERWISE.
3. VERTICAL MASONRY COLUMN REINFORCING SHALL EXTEND INTO THE FOOTING AND TERMINATE WITH A STANDARD 90° HOOK. FOR CONCRETE FOUNDATION WALLS OVER 5'-0" TALL, VERTICAL COLUMN REINFORCING SHALL DOWEL 4'-0" MINIMUM INTO THE FOUNDATION WALL.
4. IN CONCRETE FOUNDATION WALLS, VERTICAL MASONRY COLUMN REINFORCING SHALL BE TIED WITH #3 AT THE SAME SPACING AND CONFIGURATION AS MASONRY COLUMNS ABOVE.
5. SEE GENERAL STRUCTURAL NOTES FOR ALL OTHER REQUIREMENTS.
6. SPACE TIES AT 48"oc FROM A POINT 24" ABOVE OPENINGS TO TOP OF THE WALL.



MASONRY LINTEL SCHEDULE					
MARK	DEPTH	LINTEL SPAN (MAX)	REINFORCING		COMMENTS
			HORIZONTAL	STIRRUPS	
ML-1	8"		(1) #7 BAR	NONE	TYPICAL U.N.O.
ML-2	16"		(1) #7 BAR CONT TOP AND BOT	#4 AT 8"oc	

**NOTES:**

1. LINTEL WIDTH AND MATERIAL TYPE SHALL BE THE SAME AS THE WALL IN WHICH THE LINTEL IS CONSTRUCTED.
2. GROUT MASONRY INTEL S MONOLITHICALLY WITH THE SUPPORT WALL OR COLUMN AT EACH END.
3. MASONRY LINTELS 'ML-1' THRU 'ML-4' SHALL BE USED OVER OPENINGS IN MASONRY WALLS WHEN A SPECIFIC MASONRY LINTEL IS NOT OTHERWISE SPECIFIED. WHEN A LINTEL IS SPECIFIED ON PLANS, THE MAXIMUM SPAN AS NOTED IN THIS SCHEDULE SHALL NOT APPLY. CONSULT THE STRUCTURAL ENGINEER FOR LINTELS NOT SPECIFIED ON PLANS WHICH HAVE A SPAN GREATER THAN 10'-0".
4. MASONRY LINTELS 'ML-1' THRU 'ML-4' SHALL NOT BE LOCATED DIRECTLY BELOW FLOOR OR ROOF BEAMS OR GIRDERS, UNLESS NOTED OTHERWISE ON PLANS. JOISTS SHALL NOT BEAR ON ANY LINTEL LESS THAN 16" DEEP. CONSULT THE STRUCTURAL ENGINEER FOR LINTELS NOT SHOWN ON PLANS WHICH ARE LOCATED DIRECTLY BELOW FLOOR OR ROOF BEAMS OR GIRDERS.
5. EXTEND ALL HORIZONTAL REINFORCING 48 BAR DIAMETERS MINIMUM BEYOND THE EDGE OF ALL OPENINGS. IF HORIZONTAL REINFORCING CANNOT EXTEND 48 BAR DIAMETERS BEYOND EDGE OF OPENING, PROVIDE 90° STANDARD HOOK.
6. SPLICE TOP BARS AT MID-SPAN OF LINTEL ONLY AND BOTTOM BARS OVER SUPPORTS ONLY.
7. HORIZONTAL WALL REINFORCING SHALL CONTINUE THRU MASONRY LINTELS, WHERE BOTH HORIZONTAL WALL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE, USE THE LARGER REINFORCING.
8. DOWEL VERTICAL REINFORCING OF WALL ABOVE LINTEL INTO THE FULL DEPTH OF LINTEL OR 48 BAR DIAMETERS, WHICHEVER IS LESS.
9. SEE GENERAL STRUCTURAL NOTES FOR ALL OTHER REQUIREMENTS.



**4 MASONRY WALL SCHEDULE**

NO SCALE

**5 MASONRY COLUMN SCHEDULE**

NO SCALE

**6 MASONRY LINTEL SCHEDULE**

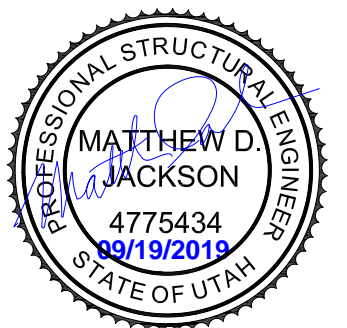
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PROJECT DESCRIPTION

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RESTROOMS VOL.1

5051 SOUTH 4015 WEST  
TAYLORSVILLE, UTAH

SHEET NAME:

SCHEDULES

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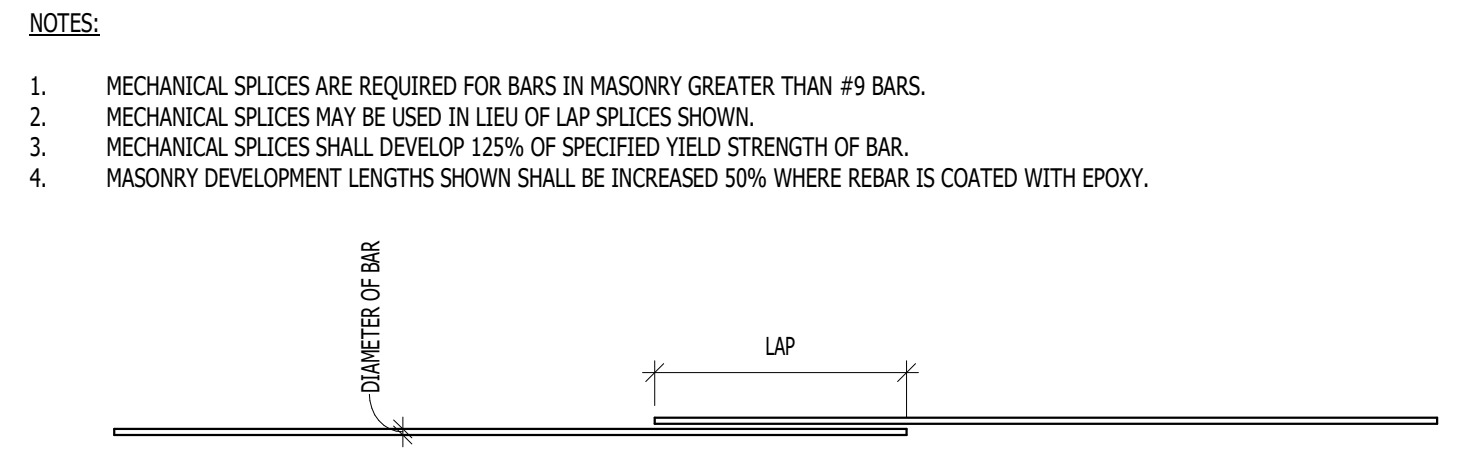
**S301**

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MASONRY REINFORCING BAR LAP SPLICE SCHEDULE						
REBAR SIZE	SINGLE BAR CENTERED IN CELL					
	THICKNESS		THICKNESS	THICKNESS	THICKNESS	THICKNESS
	8"	10"	12"			
#3	15"					
#4	20"					
#5	25"					
#6	38"	36"				
#7	52"	42"				
#8	72"	61"	53"			
#9	82"	79"	64"			

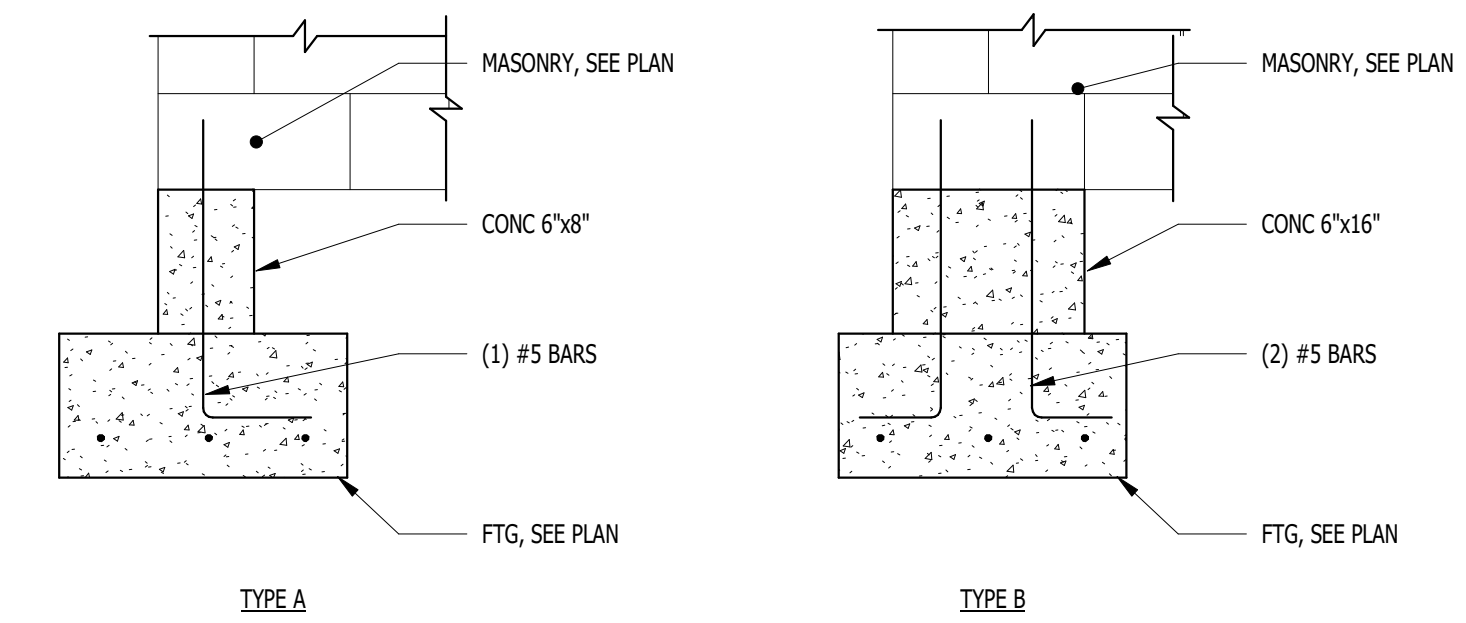
FLUSH WALL PLASTER OR COLUMN, TWO BARAS IN EACH CELL WITH 2 1/2" COVER

#3	15"					
#4	20"					
#5	28"					
#6	51"					
#7	-					
#8	72"					
#9	82"					



1 MASONRY REINFORCING BAR LAP SPLICE SCHEDULE  
NO SCALE

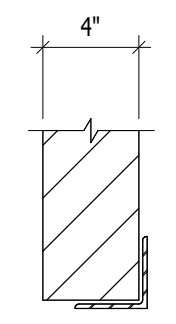
CONCRETE PIER SCHEDULE					
MARK	PIER SIZE	REINFORCING		TYPE	REMARKS
		VERTICAL	TIES		
CP-1	6" x 8"	(1) #5	-	A	
CP-2	6" x 16"	(2) #5	-	B	



5 CONCRETE PIER SCHEDULE  
NO SCALE

STEEL ANGLE LINTEL SCHEDULE (NON-STRUCTURAL)	
CLEAR OPENING	SIZE OF ANGLE
UP TO 5'-0"	3 1/2" x 3" x 1/4"
5'-1" TO 7'-0"	3 1/2" x 3 1/2" x 1/4"
7'-1" TO 9'-0"	5" x 3 1/2" x 1/4"
9'-1" TO 10'-0"	5" x 3 1/2" x 5/16"
10'-1" TO 11'-0"	5" x 3 1/2" x 3/8"
11'-1" TO 12'-0"	6" x 4" x 3/8"
12'-1" AND OVER	REQUIRES SPECIAL ANALYSIS

- NOTES:
- STEEL LINTELS CARRY VENEER ONLY. WHERE FLOOR, ROOFS OR CONCENTRATED LOADS OCCUR, FURTHER ANALYSIS IS NECESSARY. PROVIDE 1" OF BEARING EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING OF 6" EA SIDE OF OPENING. USE THIS SCHEDULE UNLESS NOTED OTHERWISE.
  - LINTELS ARE TO BE GALVANIZED.



2 STEEL ANGLE LEDGER SCHEDULE  
NO SCALE

MINIMUM NAILING SCHEDULE	
CONNECTION	NAILING
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d at 1'-4"oc
BLOCKING TO JOIST, TOENAIL EACH END	(2) 8d
BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE, TOE NAIL	8d AT 0'-6"oc
RIM JOIST TO TOP PLATE, TOE NAIL	(3) 10d
COLLAR TIE TO RAFTER, FACE NAIL	(3) 10d
JACK RAFTER TO HIP, TOE NAIL	(2) 16d
FACE NAIL	(2) 16d
ROOF RAFTER TO 2x RIDGE BEAM, TOE NAIL	(2) 16d
FACE NAIL	(2) 16d
JOIST TO BAND JOIST, FACE NAIL	(3) 16d
LEDGER STRIP, FACE NAIL	(3) 16d
TOP PLATE TO STUD, END NAIL	(2) 16d
STUD TO SOLE PLATE, END NAIL	(2) 16d
DOUBLE STUDS, FACE NAIL	16d AT 2'-0"oc
DOUBLED TOP PLATES, FACE NAIL	16d AT 1'-4"oc
TOP PLATES, LAPS AND INTERSECTION, FACE NAIL	(2) 16d
CONTINUOUS HEADER, TWO PIECES	16d AT 1'-4"oc ALONG EA EDGE
CEILING JOISTS TO PLATE, TOE NAIL	(3) 8d
CONTINUOUS HEADER TO STUD, TOE NAIL	(4) 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	(3) 16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) 16d
RAFTER TO PLATE, TOE NAIL	(3) 8d
1" BRACE TO EACH STUD AND PLATE, FACE NAIL	16d AT 2'-0"oc
BUILT-UP CORNER STUDS	16d AT 2'-0"oc
BUILT-UP GIRDER AND BEAMS	20d AT 32"oc AT TO AND BOTT AND STAGGERED. (2) 20d AT ENDS AND AT EA SPLICE.

\*PLYWOOD AND PARTICLEBOARD:  
 SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)  
 1/2" AND LESS 8d  
 19/32" - 3/4" 8d OR 10d  
 7/8" - 1" 8d  
 1 1/8" - 1 1/4" 8d OR 10d  
 COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING)  
 3/4" AND LESS 6d  
 7/8" - 1" 8d  
 1 1/8" - 1 1/4" 8d OR 10d

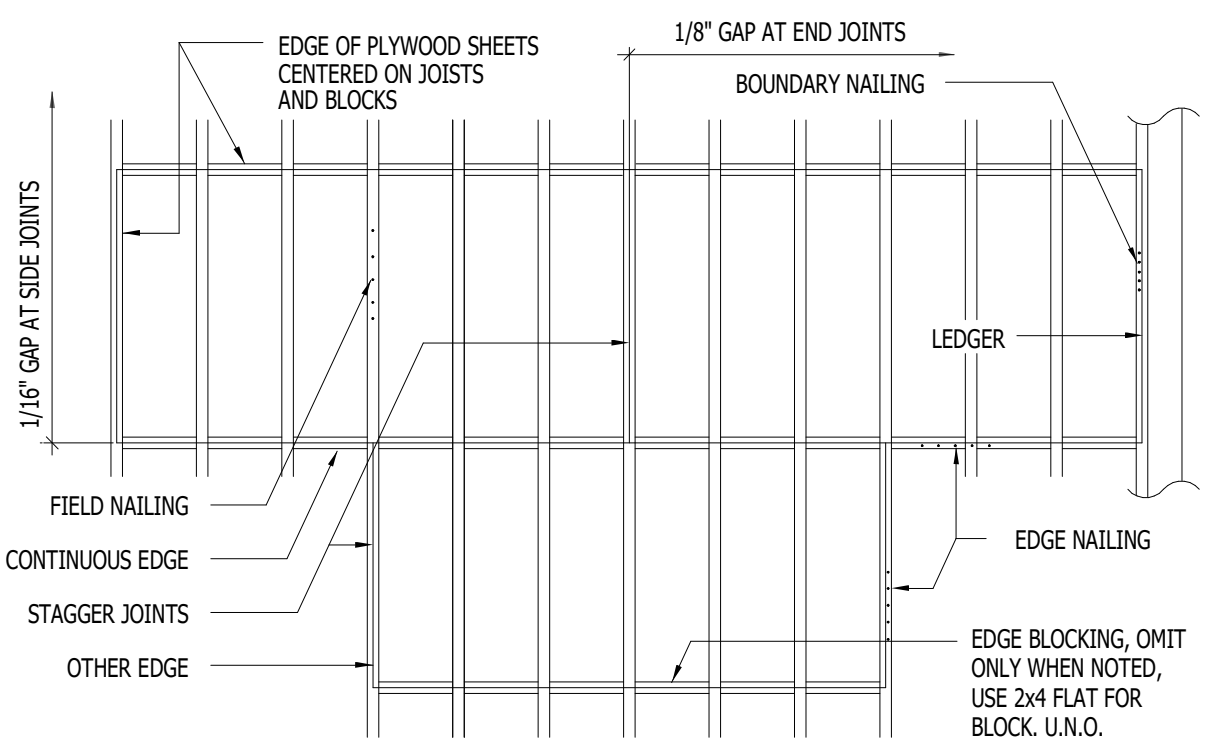
\*NAILS SPACED AT 6" ON CENTER AT EDGES 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT ALL SUPPORTS WHERE SPANS ARE 48" OR MORE. REFER TO SHEARWALL SCHEDULE

- NOTES:
- NAILING SCHEDULE IS PER TABLE 2304.9.1 OF THE I.B.C. 2012.
  - NAILING REQUIREMENTS SHOWN HERE DO NOT REPLACE HARDWARE SHOWN ON PLANS OR DETAILS.
  - ALL NAILS USED ARE COMMON NAILS.

3 MINIMUM NAILING SCHEDULE  
NO SCALE

SHEATHING SCHEDULE AT ROOF						
LOCATION	WOOD SHEATHING THICKNESS	NAIL SIZE	EDGE NAIL	FIELD NAIL	BOUNDARY NAIL	EDGE BLOCK
ROOF	5/8"	8d	6"	12"	4"	YES

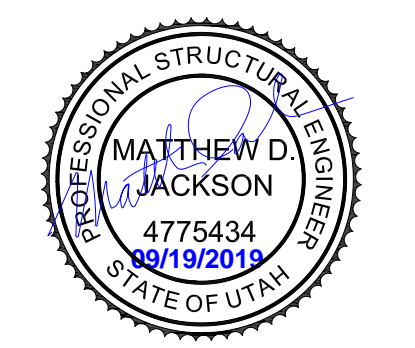
- NOTES:
- MINIMUM NAIL PENETRATION INTO FRAMING 8d = 1 1/2", 10d = 1 5/8"
  - USE COMMON NAILS. (8d DIAMETER = 0.131", 10d DIAMETER = 0.148")



4 SHEATHING SCHEDULE AT ROOF AND FLOOR  
NO SCALE

ajc architects  
 703 east 1700 south  
 salt lake city, ut 84105  
 ajcarchitects.com

ARCHITECT / CONSULTANT



AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
 SOUTHRIDGE PARK NEW  
 RESTROOMS VOL.1

5051 SOUTH 4015 WEST  
 TAYLORSVILLE, UTAH

SHEET NAME:  
 SCHEDULES

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: 09/19/2019  
 ISSUE TYPE: PERMIT SET  
 DRAWN BY: SDB / BH  
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 PROJECT#: 19174

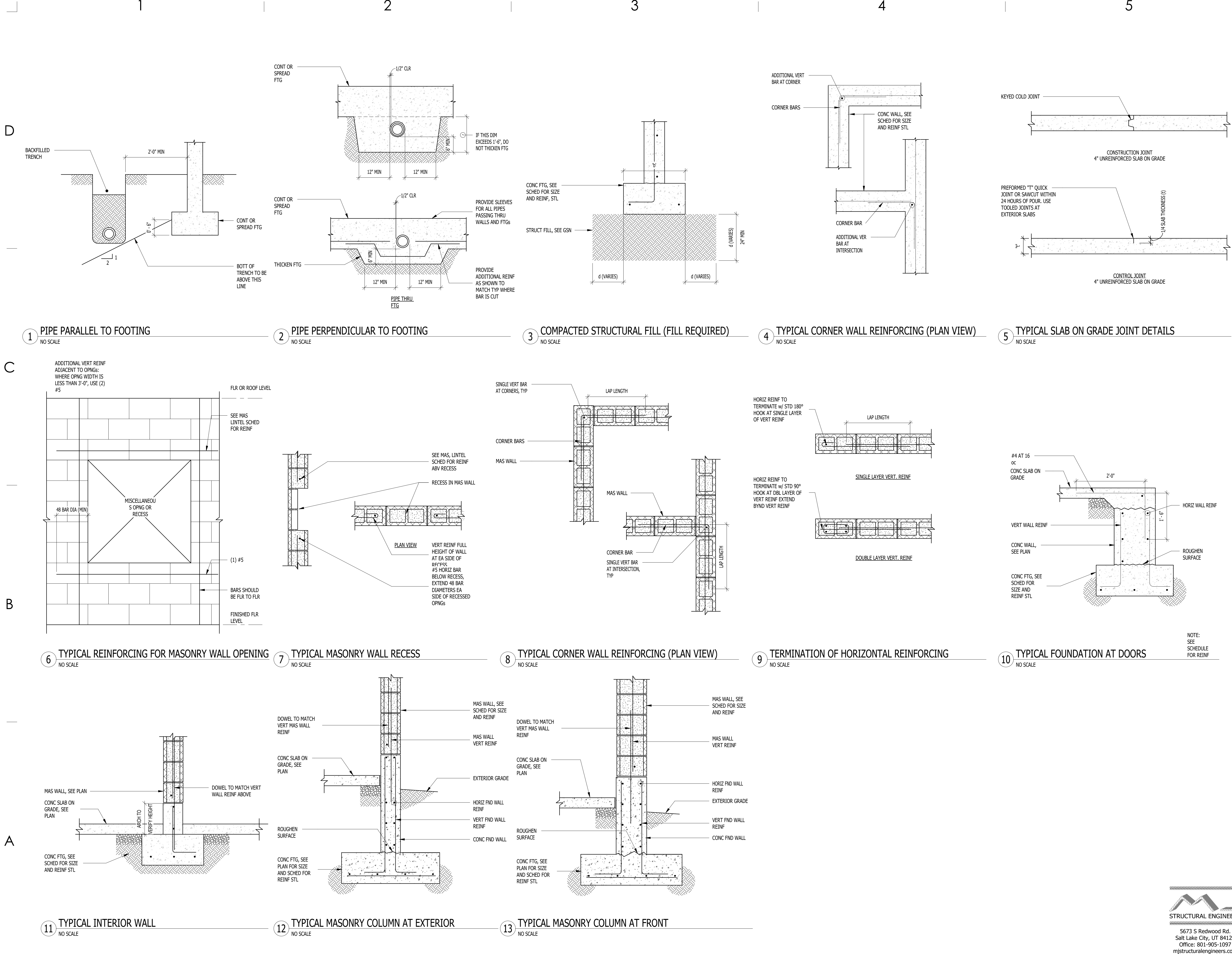
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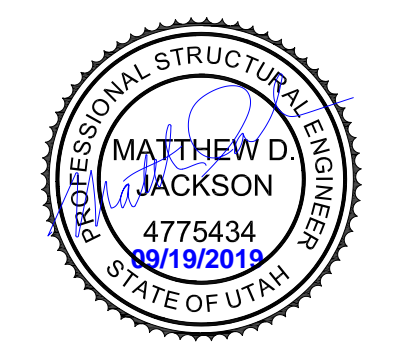
**S302**

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PROJECT DESCRIPTION  
 SOUTHRIDGE PARK NEW  
 RESTROOMS VOL.1

5051 SOUTH 4015 WEST  
 TAYLORSVILLE, UTAH

SHEET NAME:  
 FOOTING AND  
 FOUNDATION DETAILS

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: 09/19/2019  
 ISSUE TYPE: PERMIT SET  
 DRAWN BY: SDB / BH  
 CHECKED BY: MJ  
 PROJECT#: 19174

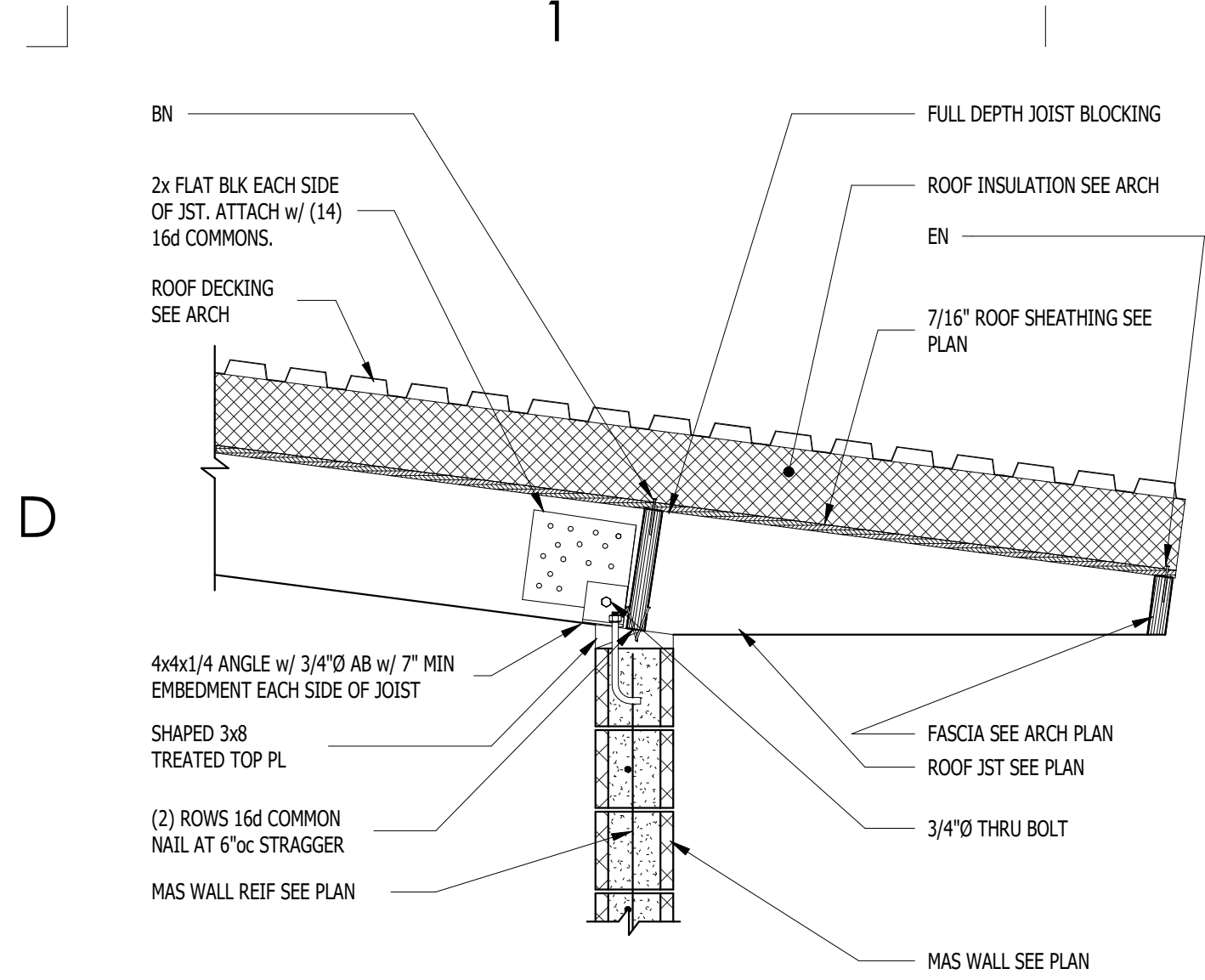
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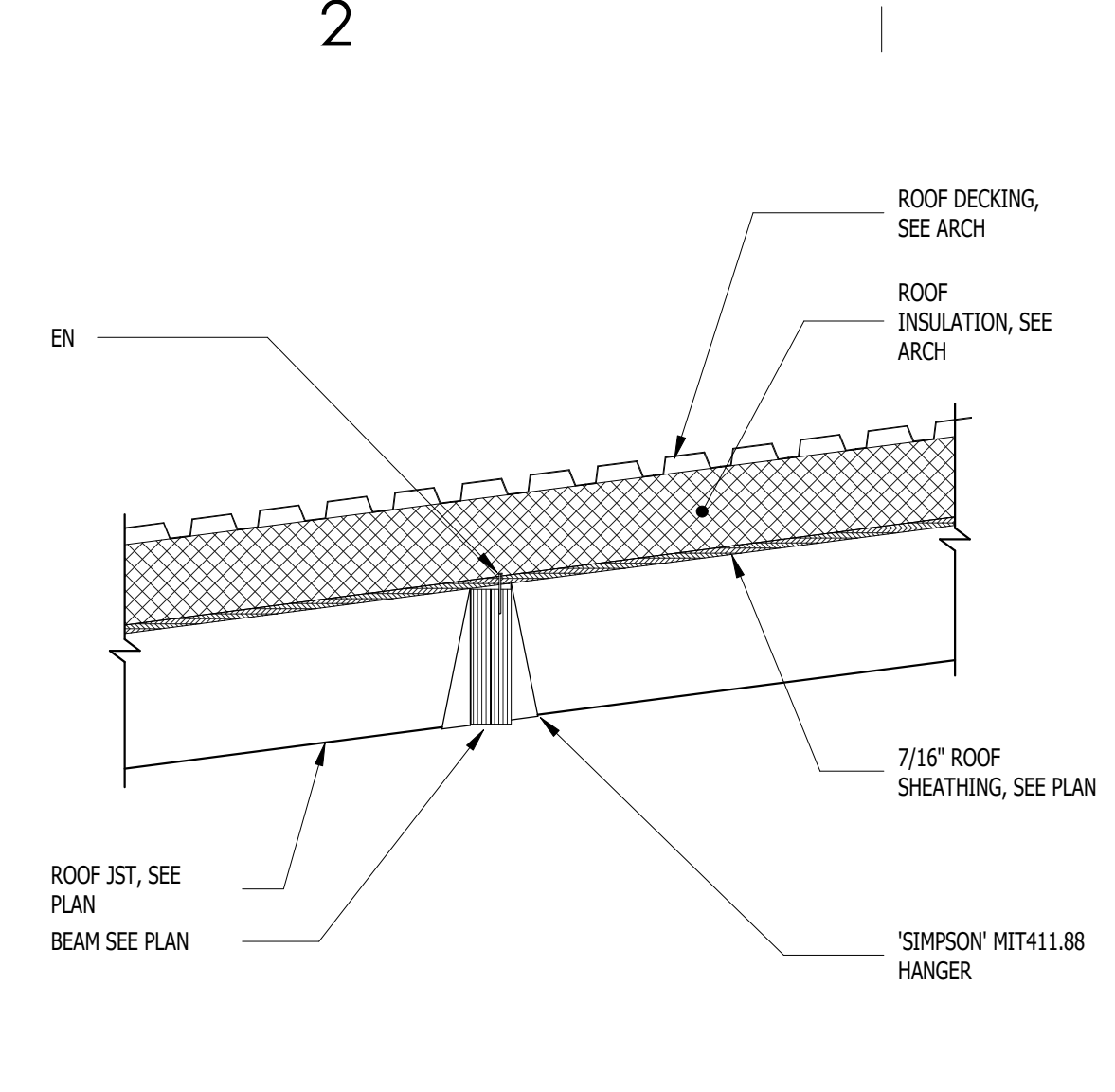
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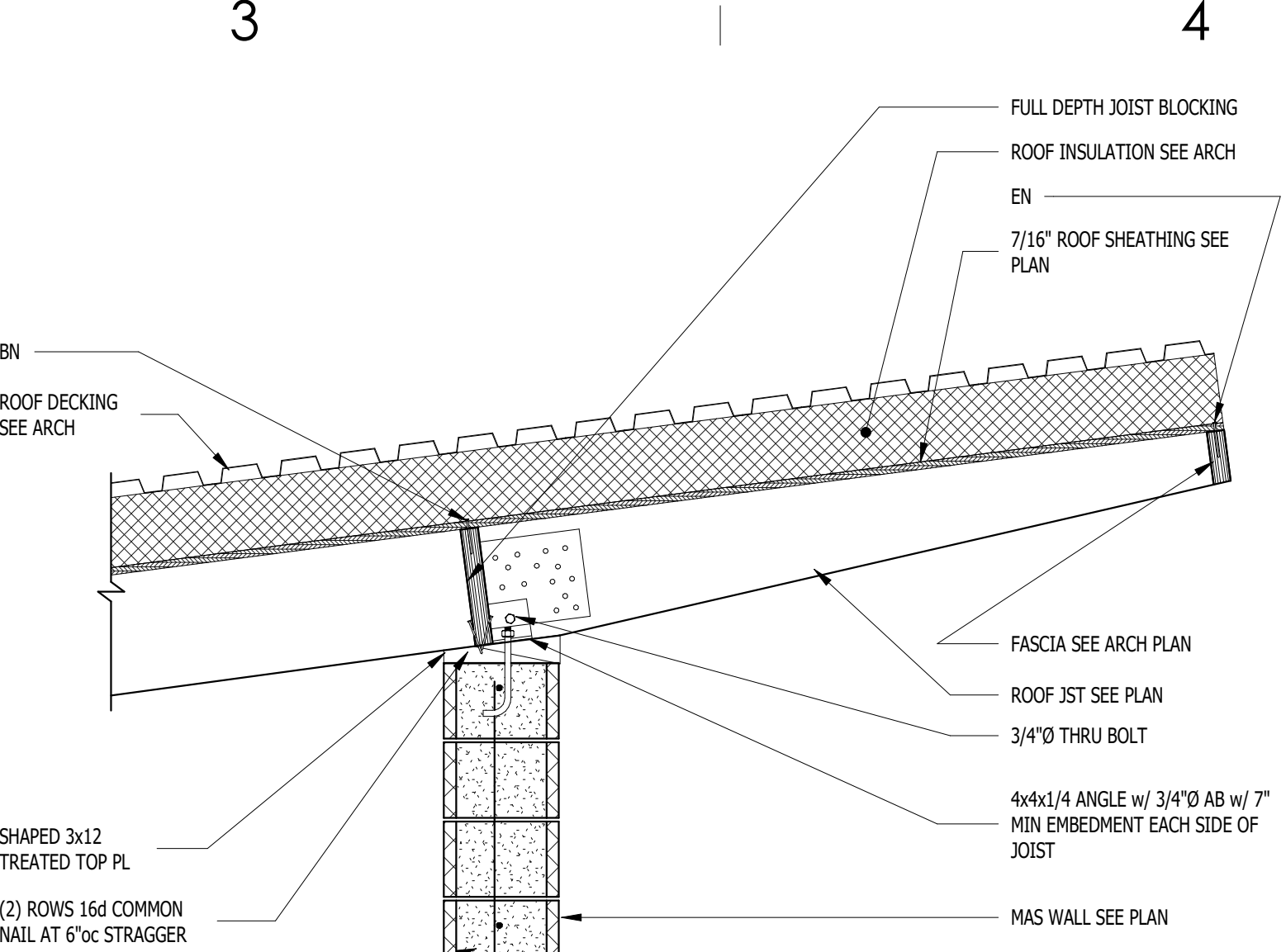
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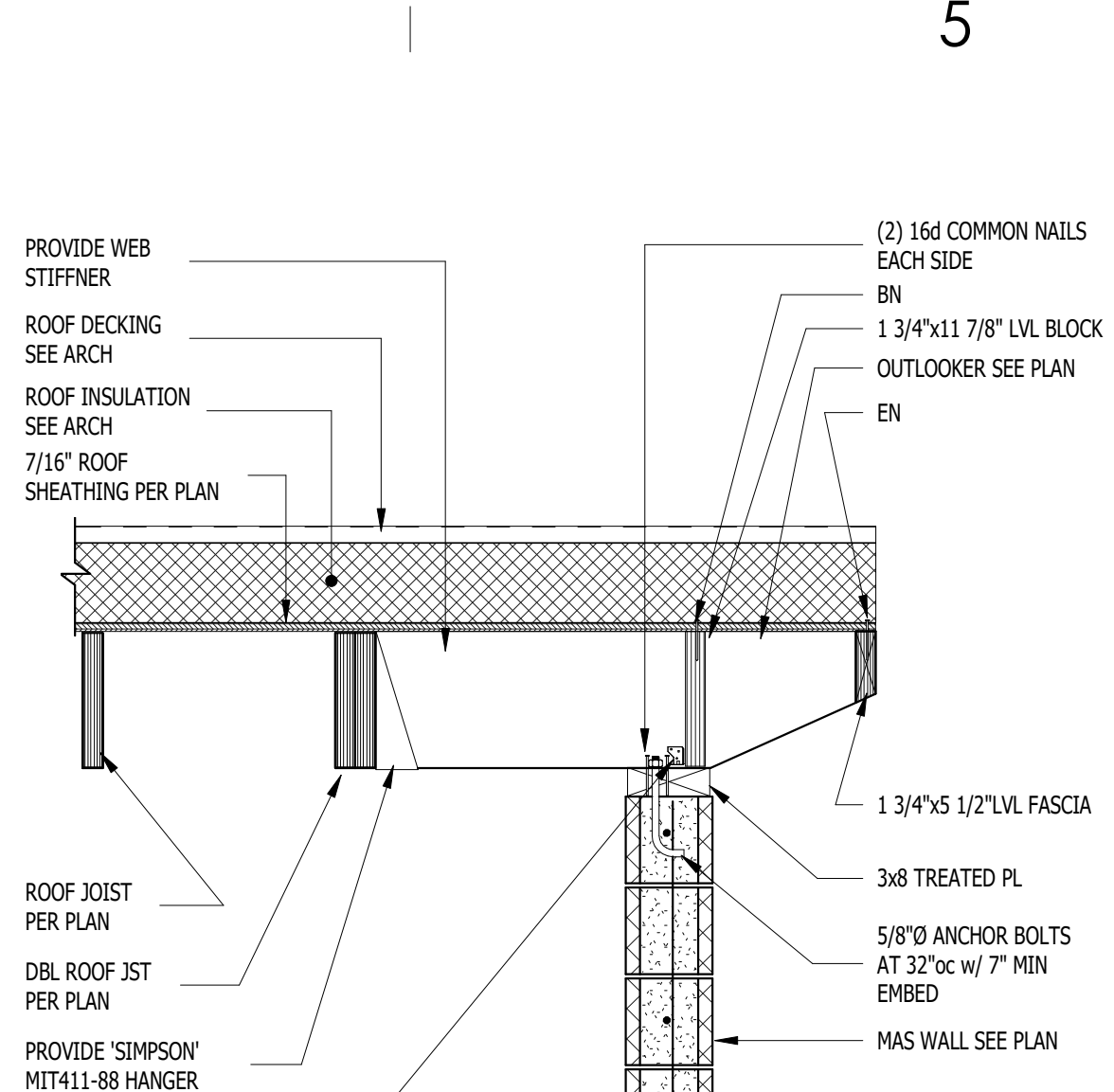
1 ROOF JOIST TO WALL CONNECTION DETAIL  
NO SCALE



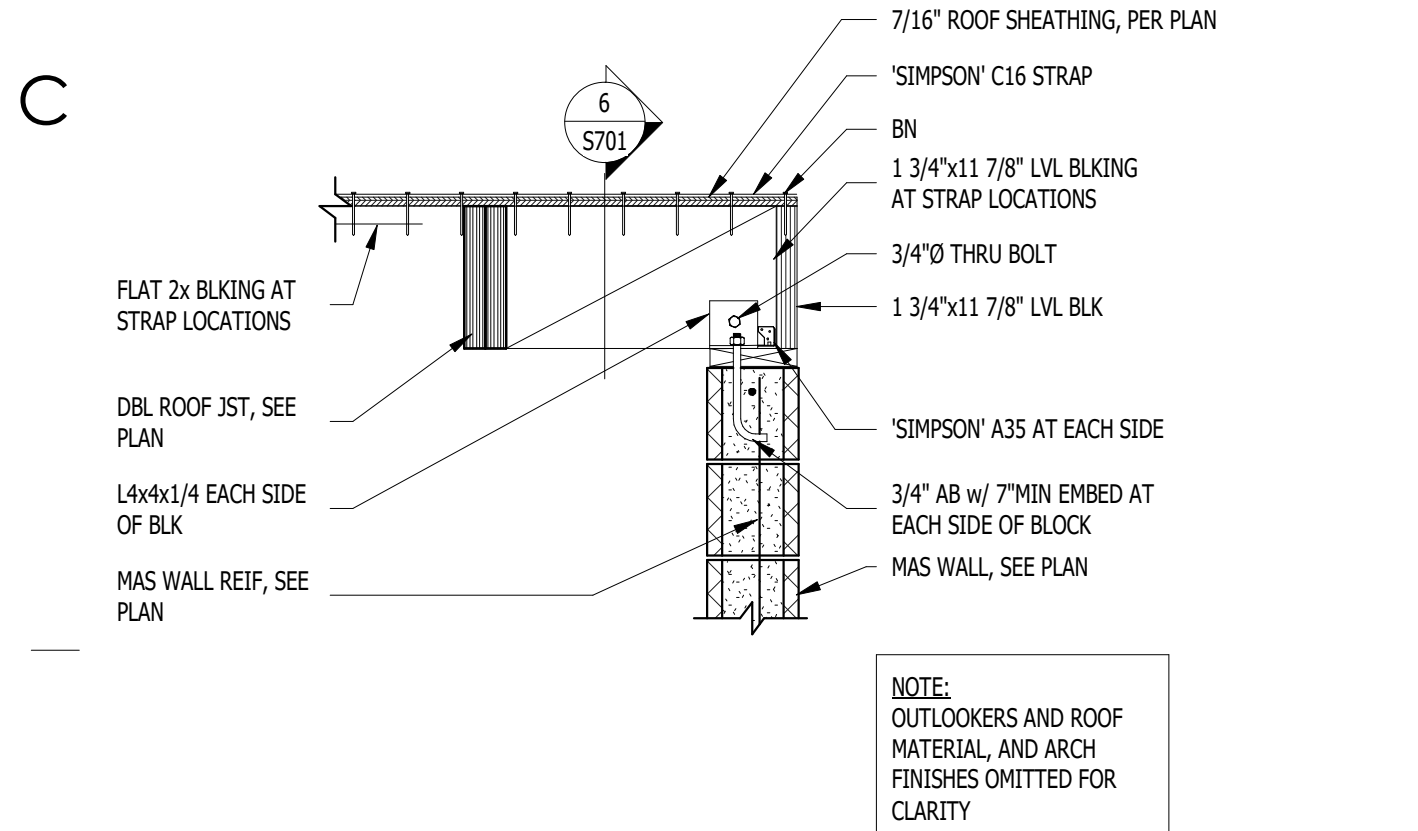
2 JOIST TO BEAM CONNECTION DETAIL  
NO SCALE



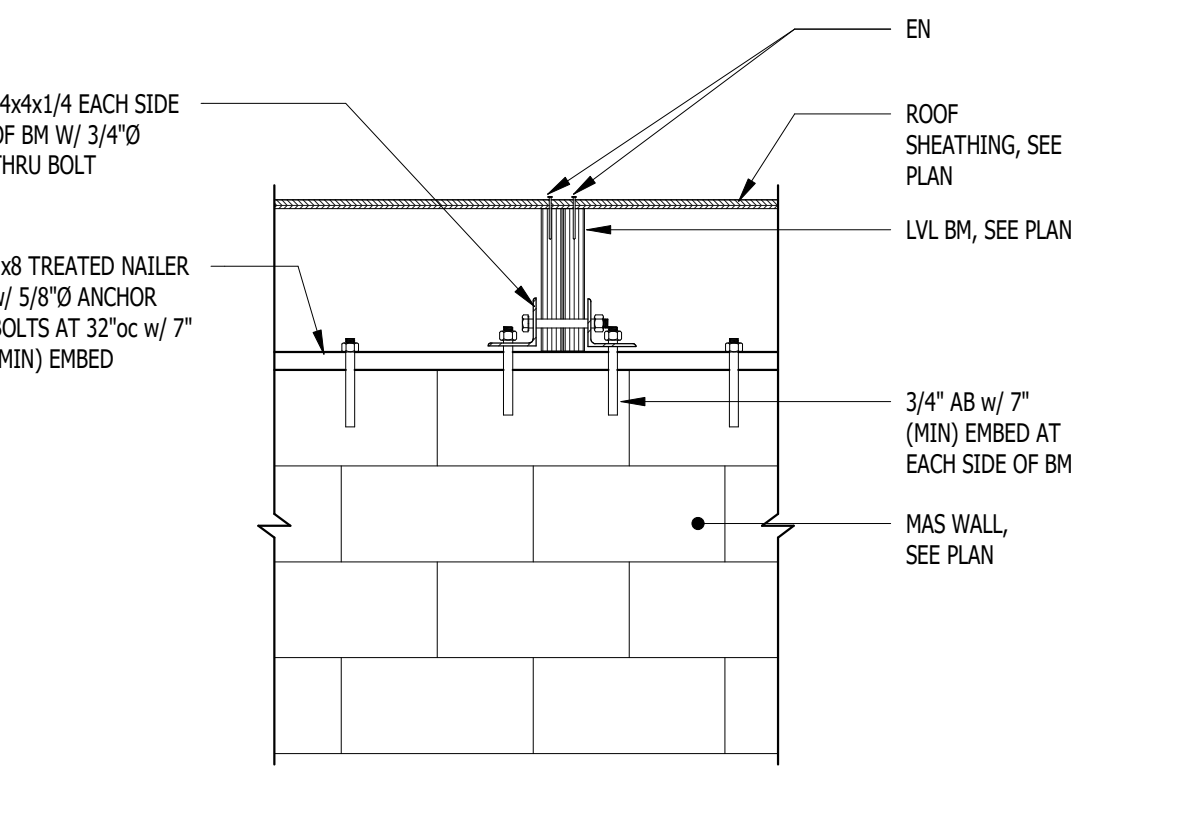
3 ROOF JOIST TO WALL CONNECTION DETAIL  
NO SCALE



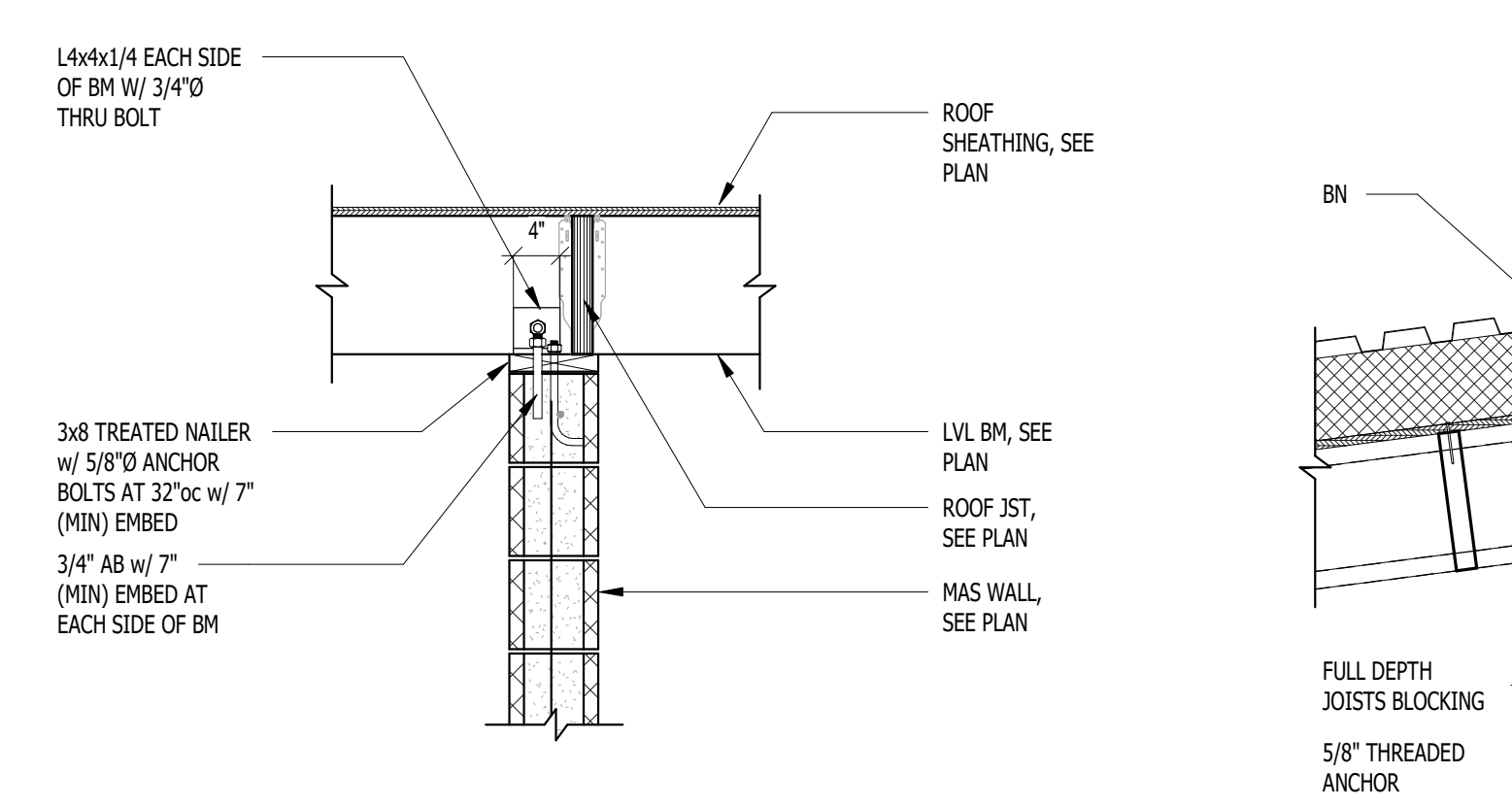
4 OUTLOOKER DETAIL  
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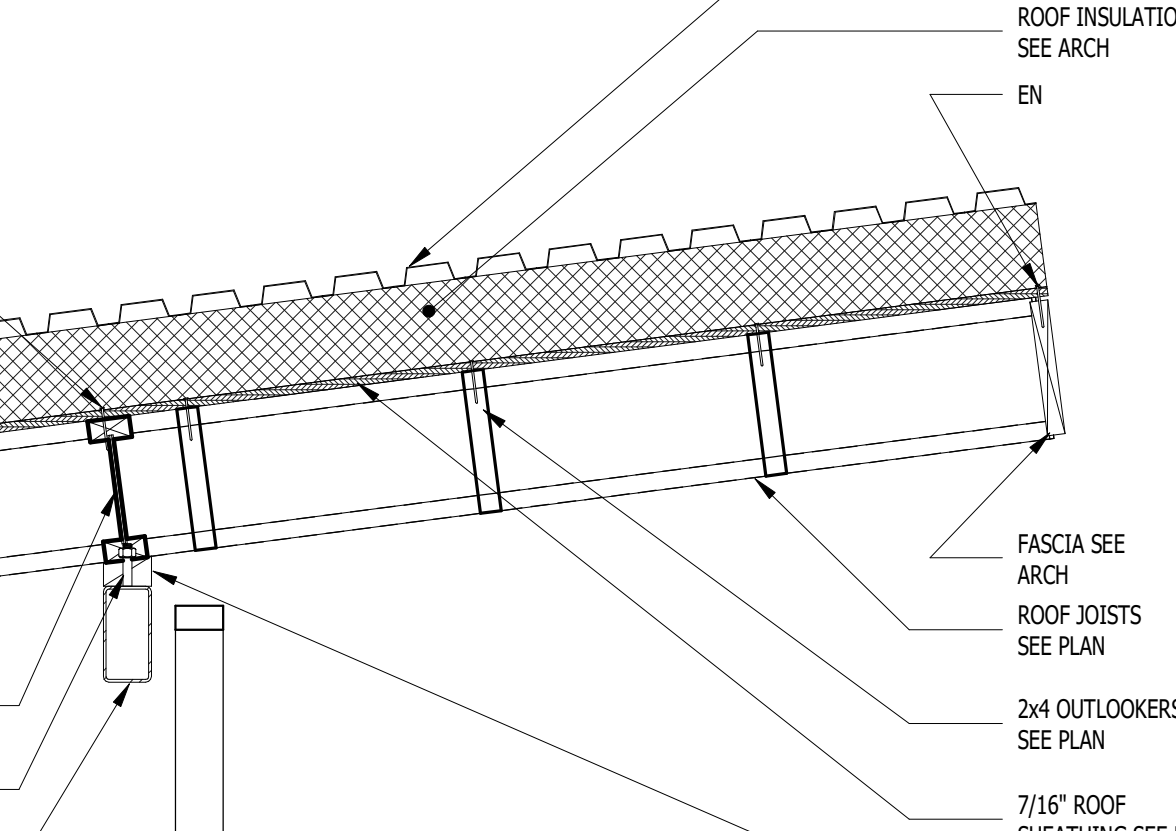
5 OUT OF PLANE CONNECTION  
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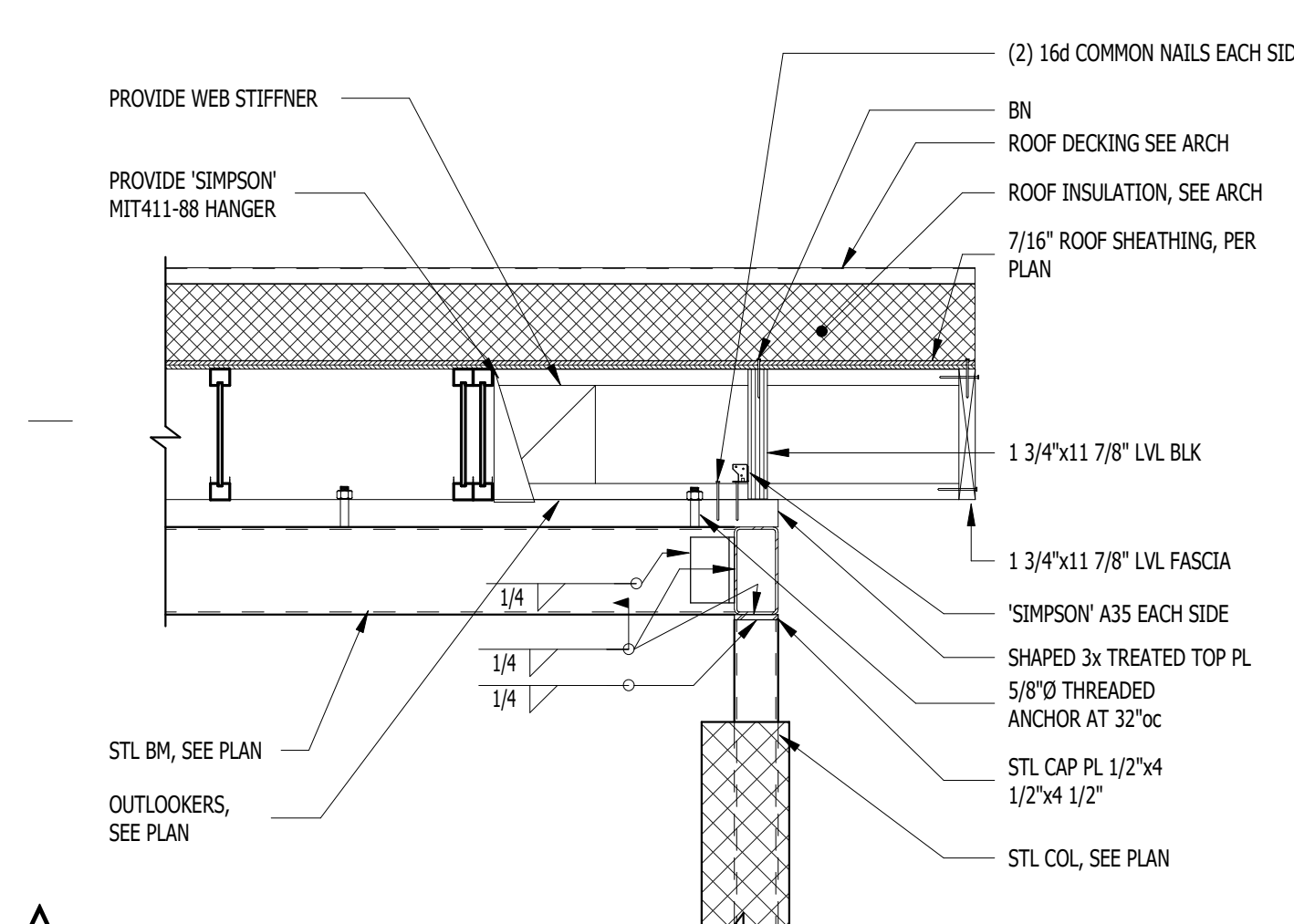
6 ROOF FRAMING DETAIL  
NO SCALE



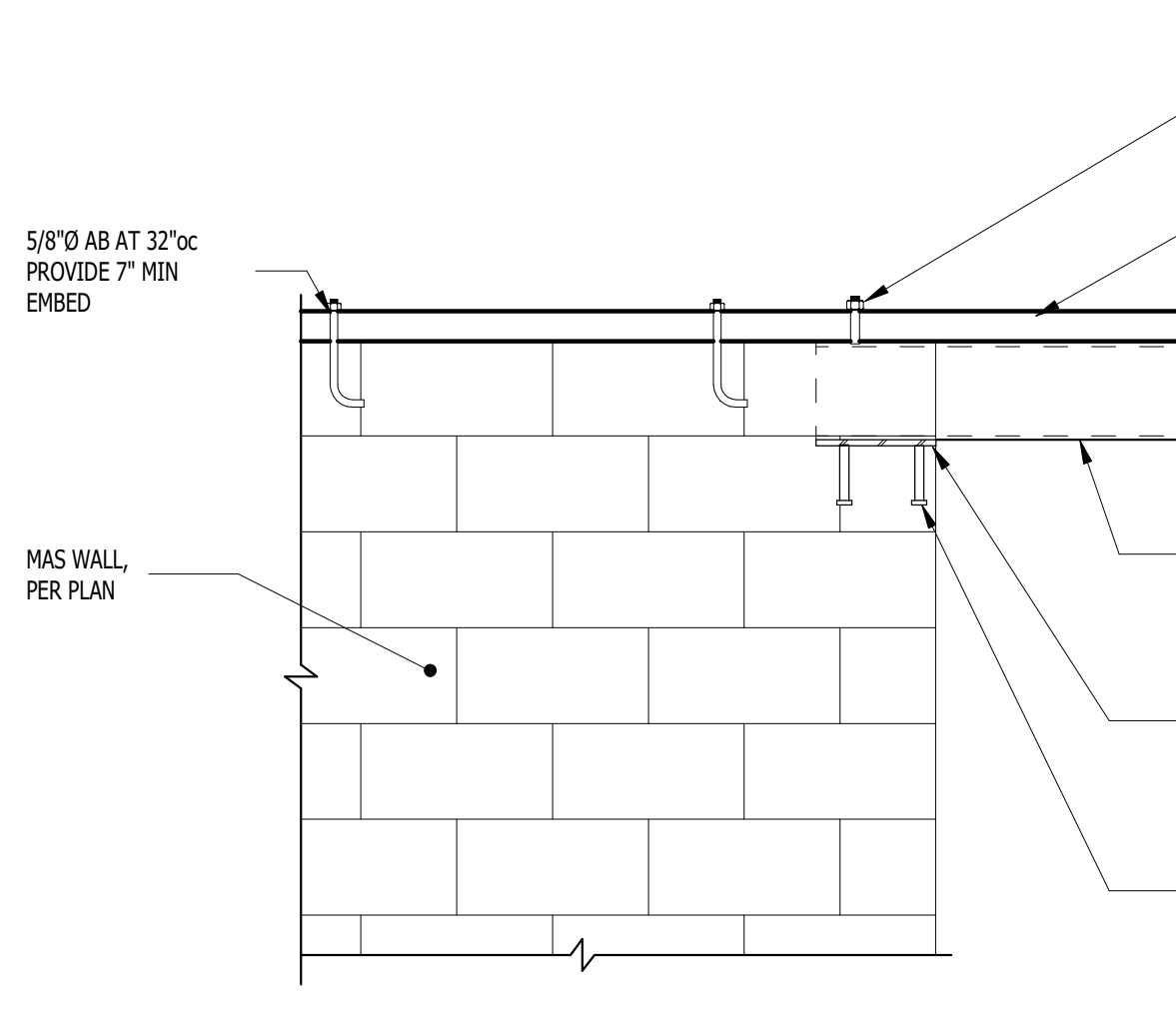
7 ROOF FRAMING DETAIL  
NO SCALE



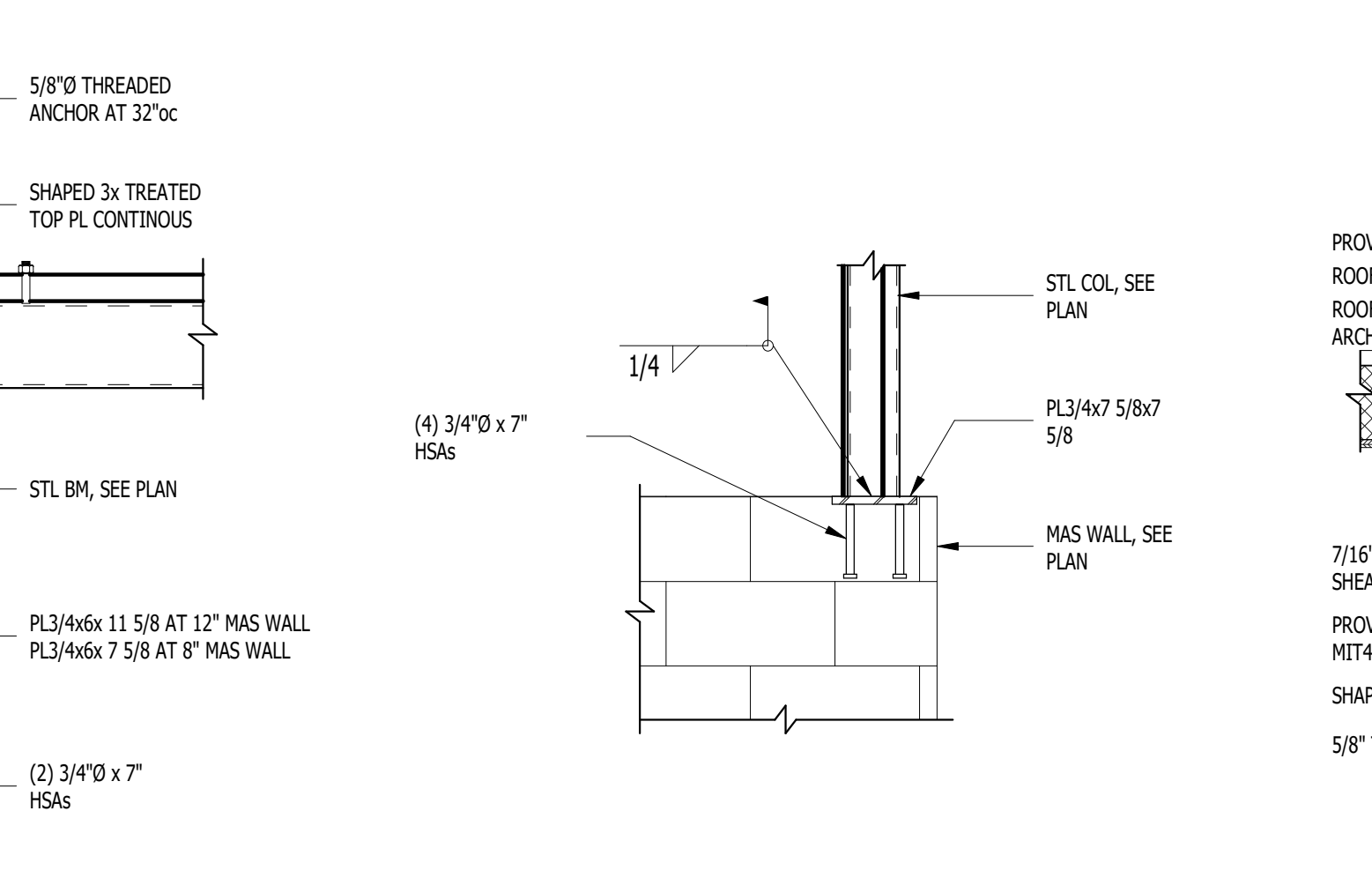
8 JOIST TO STEEL BEAM CONNECTION DETAIL  
NO SCALE



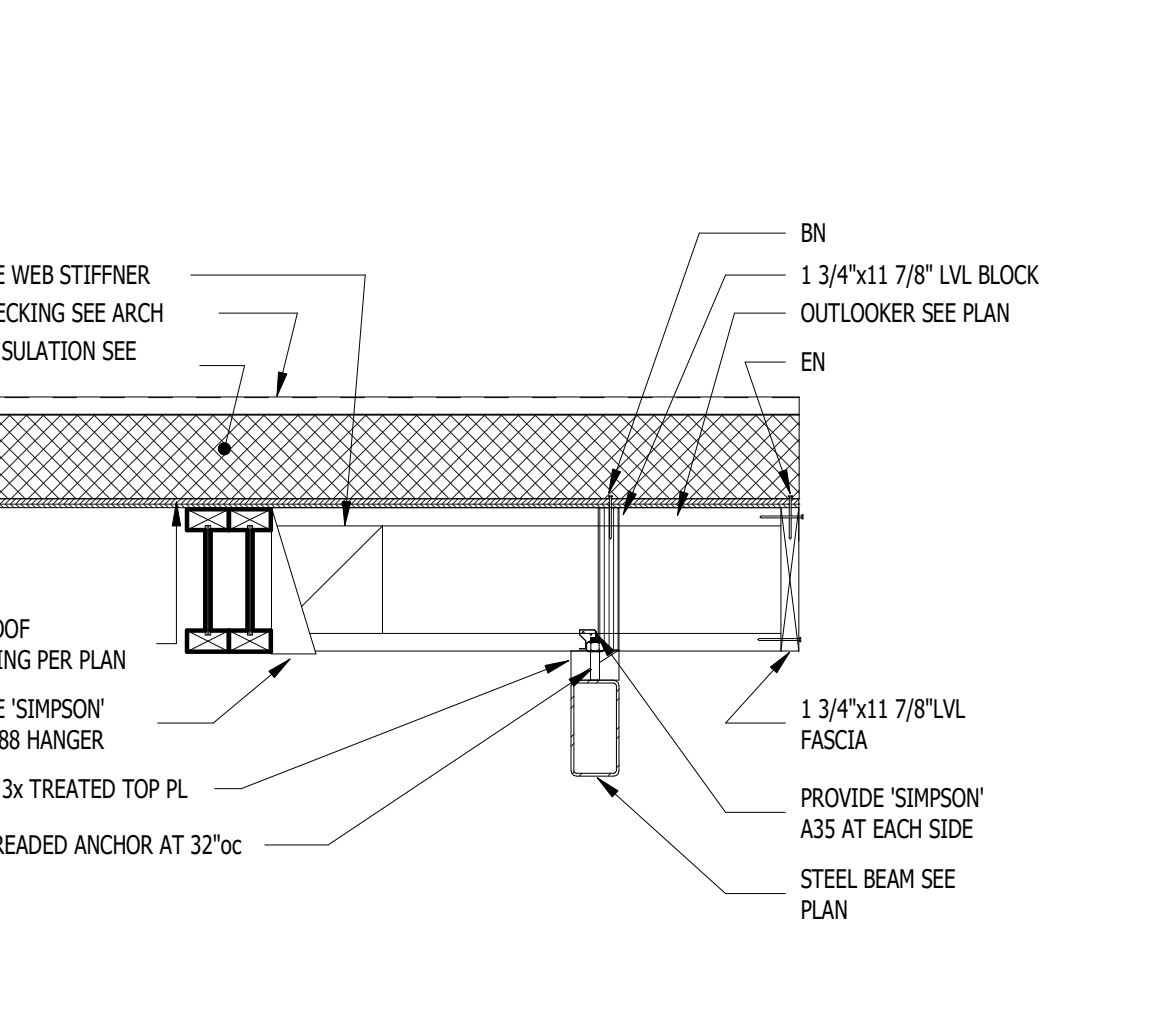
9 STEEL BEAM TO COLUMN CONNECTION DETAIL  
NO SCALE



10 STEEL BEAM TO MASONRY WALL CONNECTION  
NO SCALE

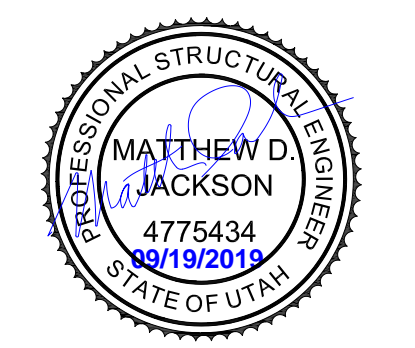


11 STEEL COLUMN TO MASONRY WALL  
NO SCALE



12 OUTLOOKER AT BEAM DETAIL  
NO SCALE

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PROJECT DESCRIPTION  
SOUTHRIDGE PARK NEW  
RESTROOMS VOL.1

5051 SOUTH 4015 WEST  
TAYLORSVILLE, UTAH

SHEET NAME:  
ROOF DETAILS

REVISIONS	MARK	DATE	DESCRIPTION

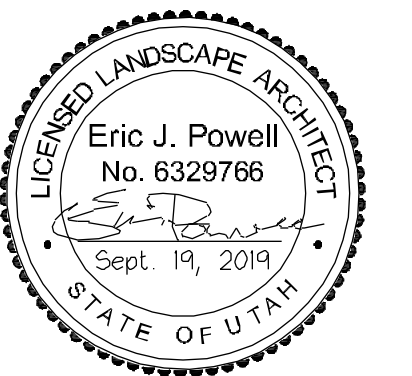
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DRAWN BY: SDB / BH  
CHECKED BY: MJ  
PROJECT#: 19174

SHEET NUMBER:



**S701**

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project

**SOUTHRIDGE PARK**  
**RESTROOM REPLACEMENT**  
5051 SOUTH 4015 WEST, TAYLORSVILLE, UT 84118

date  
September 19, 2019

revisions

data  
asd project no: 17042

title  
**DEMOLITION**  
**PLAN**

sheet

**L-D101**

DEMOLITION NOTES A

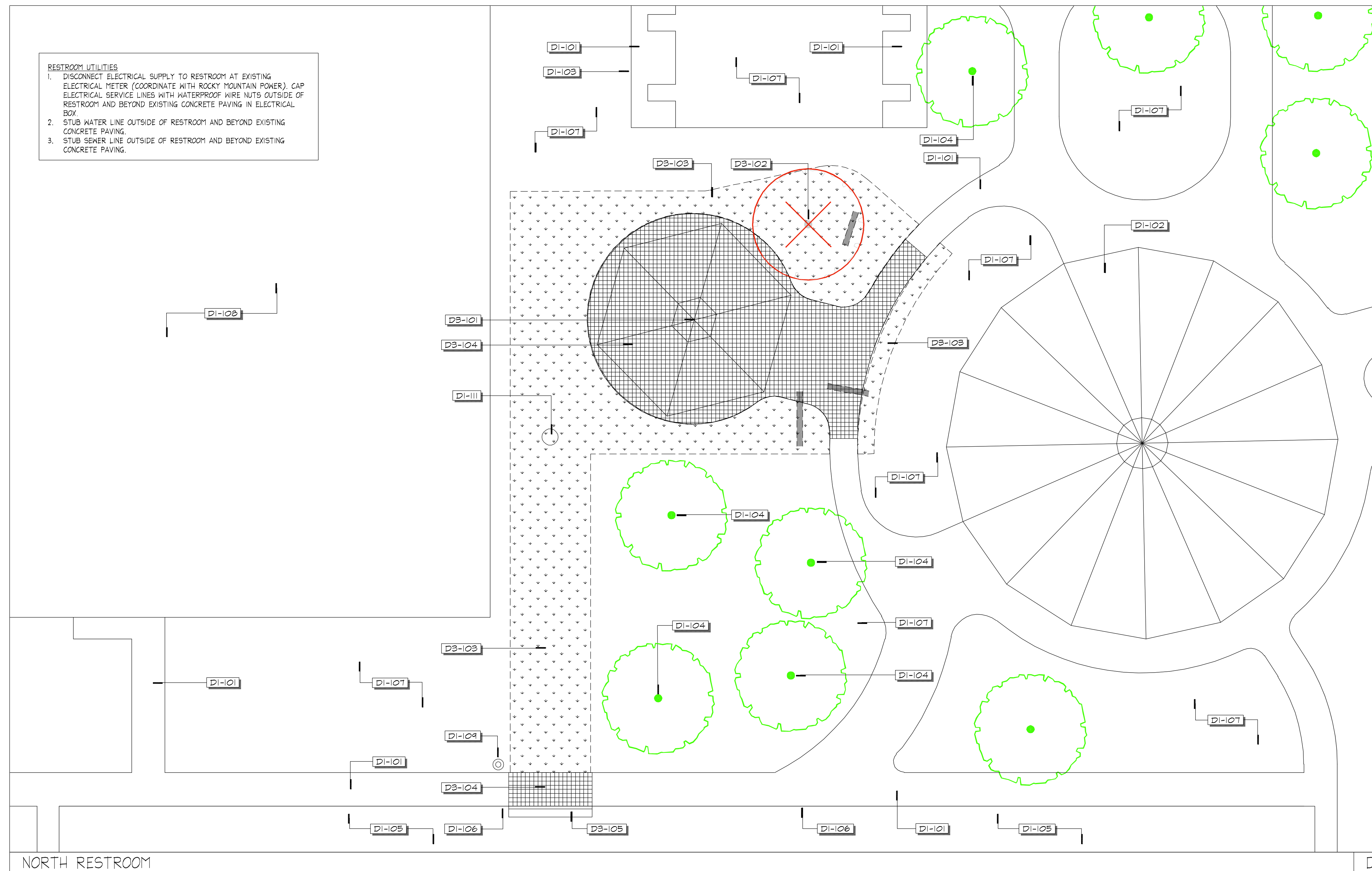
- OWNER'S REPRESENTATIVE SHALL BE CONSULTED BEFORE ANY WORK SHALL COMMENCE.
- CONTRACTOR IS RESPONSIBLE FOR TAKING PRE-CONSTRUCTION PHOTOGRAPHS TO DOCUMENT EXISTING CONDITIONS.
- UNLESS OTHERWISE NOTED, ALL PAVING, WALLS, STRUCTURES, SITE FURNISHINGS, VEGETATION, ETC. SHALL BE PROTECTED IN PLACE.
- THE CONTRACTOR IS RESPONSIBLE TO REPAIR/RESTORE ALL DAMAGE TO SURROUNDING HARDSCAPE OR LANDSCAPE THAT OCCURS AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
- ALL ITEMS NOTED TO BE 'REMOVED' SHALL BE PROPERLY DISPOSED OF, UNLESS NOTED OTHERWISE TO BE SALVAGED, RE-INSTALLED, AND/OR CONVEYED TO OWNER.
- CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION OR EXCAVATION. PROTECT IN PLACE ALL EXISTING UNDERGROUND UTILITIES.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
- ALL CONSTRUCTION SIGNAGE, BARRICADES, TRAFFIC CONTROL DEVICES, ETC., SHALL CONFORM TO THE LATEST EDITION OF THE M.U.T.C.D. CONTRACTOR WILL MAINTAIN SUCH SO THAT THEY ARE PROPERLY PLACED AND VISIBLE AT ALL TIMES.
- SIDEWALKS OR CONCRETE DEMOLISHED SHALL BE DEMOLISHED TO THE NEAREST CONTRACTION JOINT, MATCHING PLAN AS CLOSELY AS POSSIBLE.
- CONTRACTOR TO TEMPORARILY FENCE THE AREA OF CONSTRUCTION.

EROSION CONTROL NOTES B

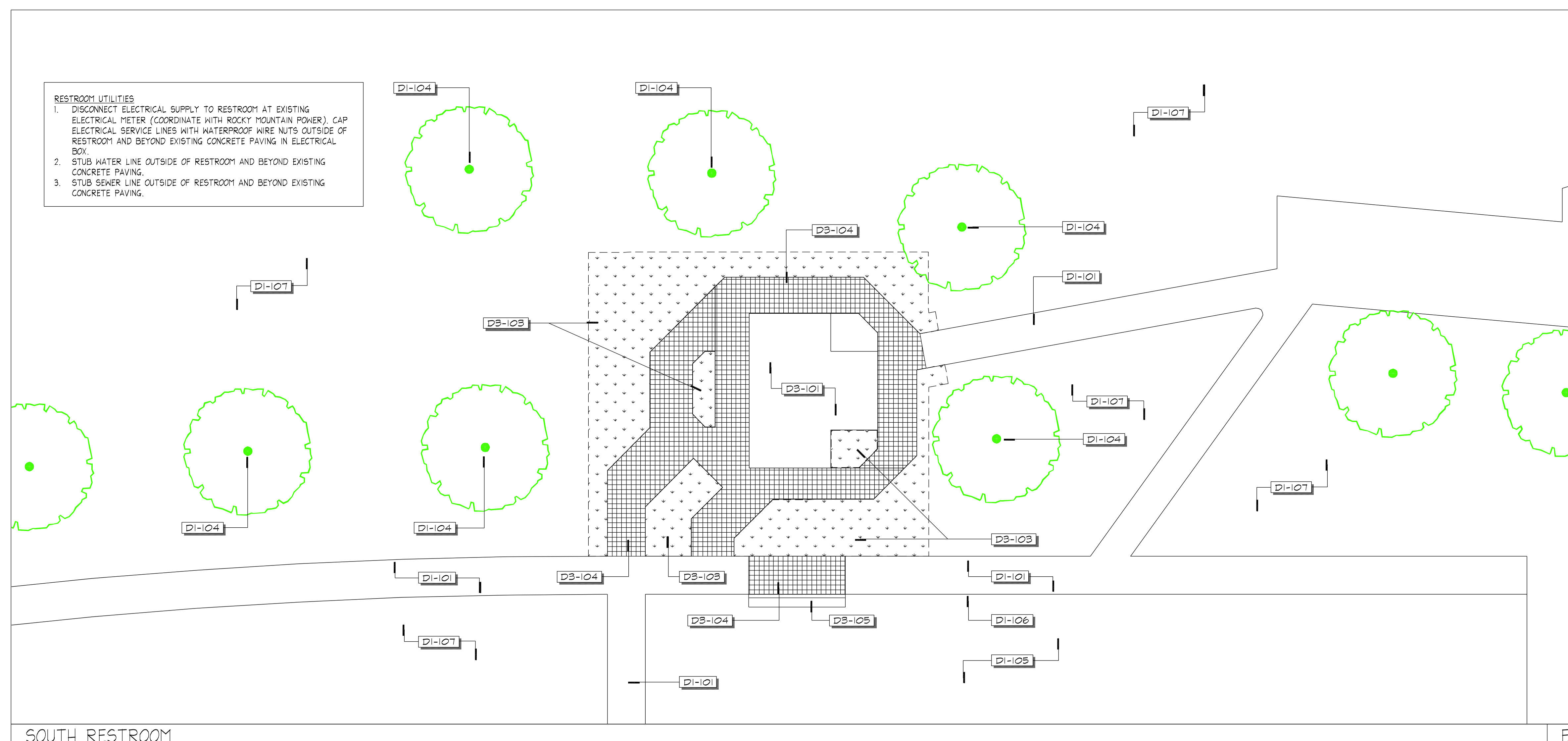
\*\*\*SEE SHEET L-D501, DETAIL-A FOR EROSION CONTROL NOTES\*\*\*

REFERENCE NOTE SCHEDULE C

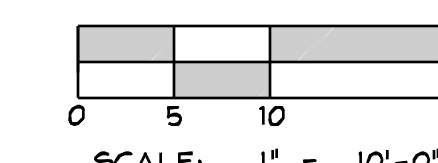
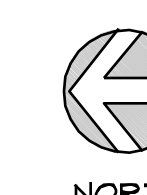
SYMBOL	DEMOLITION / PROTECT-IN-PLACE DESCRIPTION	QTY
D1-101	CONCRETE PAVING	
D1-102	PAVILION	
D1-103	CHAINLINK FENCING	
D1-104	TREE - PROVIDE TREE PROTECTION MEASURES (SEE SHEET L-L501, DTL. A)	
D1-105	ASPHALT PAVING	
D1-106	CURB AND GUTTER	
D1-107	VEGETATION	
D1-108	TENNIS COURT - INCLUDING SURFACING, FENCING, EQUIPMENT, ETC.	
D1-109	EXISTING POWER POLE	
D1-111	SANITARY SEWER MANHOLE - RECONNECT TO NEW RESTROOM WITH 4" SEWER LINE	
SYMBOL	DEMOLITION - REMOVE AND DISCARD DESCRIPTION	QTY
D3-101	RESTROOM - INCLUDING FOOTINGS AND ANCILLARY WALLS	
D3-102	TREE - INCLUDING ROOT AND STUMP GRINDING	
D3-103	VEGETATION	3,855 sq'
D3-104	CONCRETE PAVING AND SUB-BASE (APPROX. 5" THICK WITH SUB-BASE OF APPROX. 5" THICK) - PROVIDE SANGUTTING WHERE NECESSARY	2647 sq'
D3-105	CONCRETE CURB AND GUTTER - PROVIDE SANGUTTING WHERE NECESSARY (CONTRACTOR/OWNER TO DETERMINE LOCATIONS)	



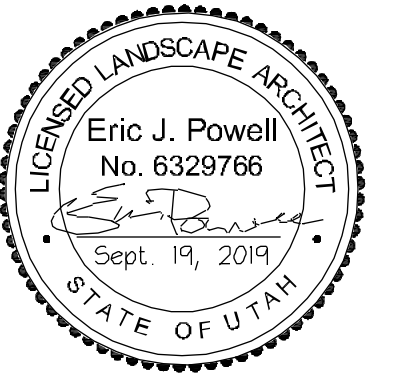
NORTH RESTROOM



SOUTH RESTROOM

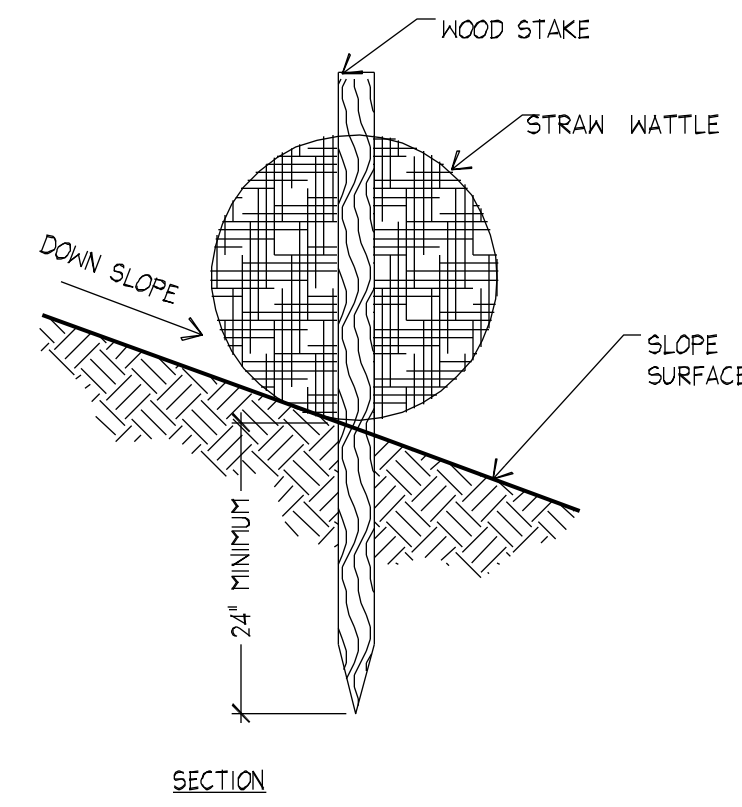


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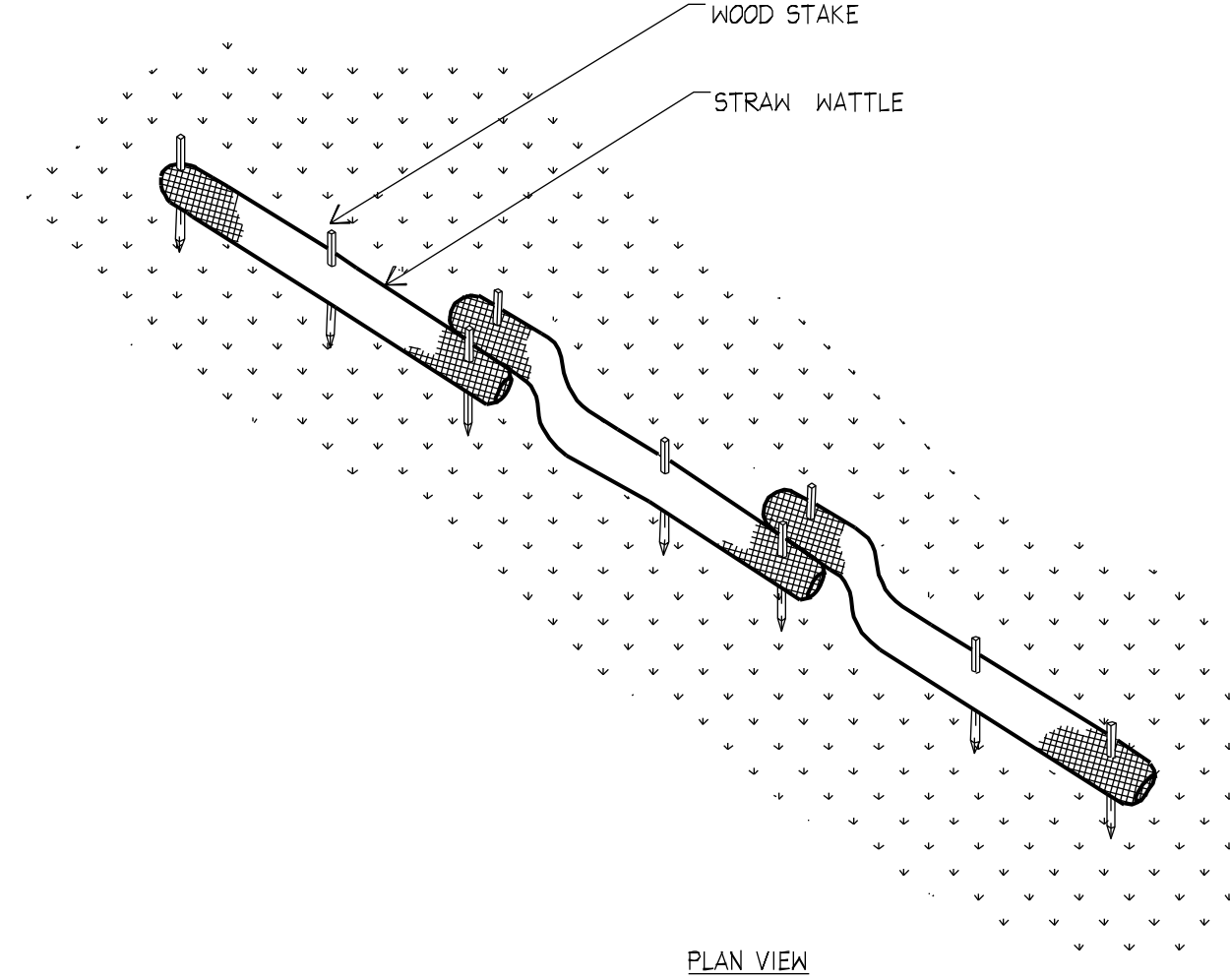


project

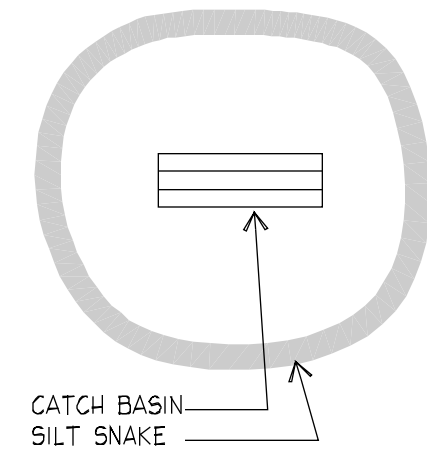
**SOUTHRIDGE PARK  
RESTROOM REPLACEMENT**  
5051 SOUTH 4015 WEST, TAYLORSVILLE, UT 84118



**D** STRAW WATTLE  
SCALE: NTS

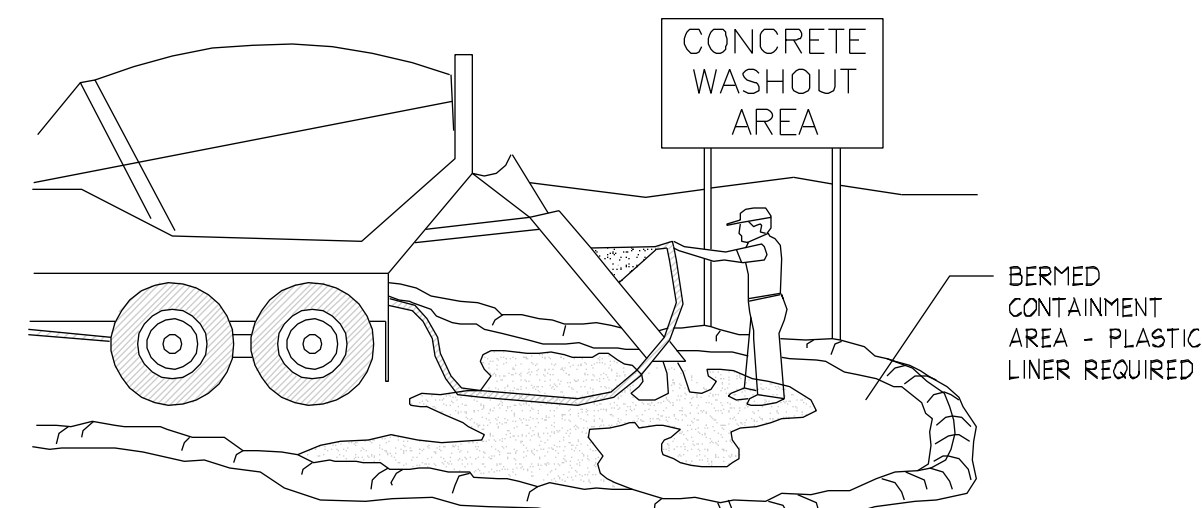


SECTION/PLAN



NOTE:  
INSPECT THE SILT  
SNAKES ON A  
WEEKLY BASIS. IF  
SILT SNAKE IS  
SHOWING SIGNS OF  
FAILURE REMOVE  
AND REPLACE THOSE  
SECTIONS OF THE  
SILT SNAKE.

**B** SILT SNAKE DETAIL  
SCALE: NTS



- NOTES:
- EXCESS AND WASTE CONCRETE SHALL NOT BE WASHED INTO THE STREET OR INTO A DRAINAGE SYSTEM.
  - FOR WASHOUT OF CONCRETE AND MORTAR PRODUCTS, A DESIGNATED CONTAINMENT FACILITY OF SUFFICIENT CAPACITY TO RETAIN LIQUID AND SOLID WASTE SHALL BE PROVIDED ON SITE.
  - SLURRY FROM CONCRETE AND ASPHALT SAW CUTTING SHALL BE VACUUMED OR CONTAINED, DRIED, PICKED UP AND DISPOSED OF PROPERLY.

**C** CONCRETE WASTE MANAGEMENT  
SCALE: NTS

DIAGRAM

**A. PROHIBITION ON MOST NON-STORM WATER DISCHARGES**

ONLY STORM WATER FROM THE PROJECT SITE SHALL BE ALLOWED TO FLOW INTO THE ON-SITE STORM DRAIN SYSTEM. CLEAN, NON-COLORIMETRIC WATER FROM THE FLUSHING OF FIRE HYDRANTS, WATER MAINS, AND STORM DRAINS MAY BE DISCHARGED TO THE STORM DRAIN IF IT IS NOT ALLOWED TO COLLECT DIRT, DEBRIS, AND TRASH WHILE FLOWING TO A STORM DRAIN INLET.

**B. SOURCES OF STORM WATER POLLUTANTS**

STORM WATER POLLUTANTS INCLUDE SOIL SEDIMENT AND NUTRIENTS, OIL, GREASE, TOXIC POLLUTANTS, AND HEAVY METALS. SOURCES OF STORM WATER POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO SOIL EROSION BY WATER AND/OR WIND, CLEARING OF VEGETATION, GRADING, VEHICLE AND EQUIPMENT REFUELING AND MAINTENANCE, WASHING OF CONCRETE TRUCKS, MIXERS AND HANDLING EQUIPMENT, PAINTS, SOLVENTS AND ADHESIVES, AND LANDSCAPING WORK.

**C. EROSION AND SEDIMENT CONTROLS**

- COVER EXPOSED STOCKPILES OF SOILS, CONSTRUCTION AND LANDSCAPING MATERIALS WITH HEAVY PLASTIC SHEETING.
- IN LANDSCAPING AREAS WHERE THE VEGETATION HAS NOT ESTABLISHED GROWTH AND TAKEN HOLD, CONSTRUCT SANDBAG OR DIRT BERMS AROUND THEIR PERIPHERY TO INSURE THAT WATER WILL BE CONTAINED INSIDE THE LANDSCAPING AREA AND THAT IT WILL NOT BE CONVEYED TO A STORM DRAIN INLET.
- RE-VEGETATE AREAS WHERE LANDSCAPING HAS DIED OR NOT TAKEN HOLD.
- DIVERT STORM WATER RUNOFF AROUND DISTURBED SOILS WITH BERMS OR DIRT SHALES.

**D. OTHER CONTROLS**

- WASTE DISPOSAL
  - KEEP WASTE DISPOSAL CONTAINERS COVERED.
  - PROVIDE FOR THE WEEKLY (OR MORE FREQUENT, IF NECESSARY) DISPOSAL OF WASTE CONTAINERS.
  - PROVIDE CONTAINERS AT CONVENIENT LOCATIONS AROUND THE SITE.
- SWEEPING OF SITE
  - PROVIDE DAILY SWEEPING BY HAND OR MECHANICAL MEANS (IF NEEDED) TO KEEP THE PAVED AREAS OF THE SITE FREE OF DUST, DIRT, AND DEBRIS.
  - DISPOSE OF ACCUMULATED DIRT IN WASTE CONTAINERS, OR HAUL IT OFF THE SITE TO A LANDFILL.

3. SANITARY/SEPTIC DISPOSAL  
PORTABLE TOILETS AND OTHER SANITARY FACILITIES SHALL BE SERVICED WEEKLY AND PUMPED CLEAN BY A WASTE DISPOSAL COMPANY. NO TOXIC OR HAZARDOUS WASTE SHALL BE DISPOSED IN A PORTABLE TOILET OR IN THE ON-SITE SANITARY BUNKER.

**4. SPILLS**

- STORE ADEQUATE ABSORBENT MATERIALS, RAGS, BROOMS, SHOVELS, AND WASTE CONTAINERS ON THE SITE TO CLEAN-UP SPILLS OF MATERIALS SUCH AS FUEL, PAINT, SOLVENTS, OR CLEANERS. CLEAN UP MINOR SPILLS IMMEDIATELY.
  - FOR REPORTABLE QUANTITY OF HAZARDOUS OR TOXIC SUBSTANCE, SECURE THE SERVICES OF QUALIFIED PERSONNEL OR CLEAN-UP AND DISPOSAL.
- VEHICLES AND EQUIPMENT
    - FIX LEAKS OF FUEL, OIL AND OTHER SUBSTANCES IMMEDIATELY.
    - PERFORM REFUELING AND SERVICE OF VEHICLES OR EQUIPMENT OFF-SITE WHEN POSSIBLE. IF REFUELING OR SERVICE OF EQUIPMENT IS PERFORMED ON-SITE, THEN PROVIDE AN IMPERVIOUS, CONTAINED AREA WHERE ANY SPILLS CAN BE CONTAINED WITHOUT FLOWING TO A STORM WATER INLET OR INTO THE GRAVAD.
  - USE DRIP PANS TO CATCH LEAKS AND SMALL SPILLS.

**6. CONCRETE TRUCKS, MIXERS AND HANDLING EQUIPMENT**

- DO NOT DISPOSE OF WASHOUT FROM THE WASHING OF CONCRETE TRUCKS, MIXERS, AND HANDLING EQUIPMENT WHERE IT WILL FLOW INTO A STORM WATER INLET OR INTO A PUBLIC STREET.
- PROVIDE A HOLDING TANK TO RECEIVE ANY WASHOUT FROM CONCRETE EQUIPMENT. DISPOSAL OF TANK CONTENTS SHOULD BE CONDUCTED BY A WASTE HANDLING FIRM.
- PROVIDE A DESIGNATED AREA FOR WASHING ANY VEHICLES OR EQUIPMENT. DRAINAGE FROM THIS AREA SHOULD FLOW TO THE HOLDING TANK.

**7. LANDSCAPING OPERATIONS**

- USE ONLY THE MINIMUM AMOUNT OF LANDSCAPING FERTILIZERS, NUTRIENTS, AND OTHER CHEMICALS THAT ARE NEEDED.
- DO NOT OVER WATER FERTILIZED OR TREATED LANDSCAPE AREAS. MINIMIZE RUNOFF OF IRRIGATION WATER FROM LANDSCAPING.
- STORM WATER INLETS

KEEP ALL ON-SITE STORM WATER INLETS CLEAN AND FREE OF DIRT AND DEBRIS. IN THE EVENT THAT SEDIMENT AND DEBRIS MAY FLOW TO AN INLET, PROVIDE AN 18-INCH (MINIMUM) STRAIN BARRIER AROUND THE INLET TO TRAP THE DIRT AND DEBRIS AND ALLOW ONLY CLEAN STORM WATER TO ENTER THE INLET.

**A** STORM WATER POLLUTION PREVENTION GENERAL NOTES  
SCALE: NTS

NOTES

**E. INSPECTION**

- REGULAR INTERVAL INSPECTION AND INSPECTION BEFORE AND AFTER STORMS
  - VISUALLY INSPECT THE SITE WEEKLY TO INSURE THAT STORM WATER INLETS ARE FREE OF DIRT AND DEBRIS.
  - BEFORE A STORM, INSPECT THE SITE TO INSURE THAT STORM WATER POLLUTION CONTROL MEASURES ARE IN PLACE.
  - AFTER A STORM, INSPECT ALL STORM WATER INLETS TO INSURE THAT THEY ARE CLEAR OF DIRT AND DEBRIS. CLEAN THOSE STORM WATER INLETS THAT ARE NOT CLEAR AND FREE OF DEBRIS.
  - THE UTAH DEQ WATER QUALITY DIVISION MAY REQUIRE THE DISCHARGER TO CONDUCT ADDITIONAL SITE INSPECTIONS, SUBMIT REPORTS AND CERTIFICATIONS, OR TO PERFORM SAMPLING AND ANALYSIS.
- ALL DISCHARGERS ARE REQUIRED TO CONDUCT INSPECTIONS OF THE CONSTRUCTION SITE PRIOR TO ANTICIPATED STORM EVENTS AND AFTER ACTUAL STORM EVENTS, TO IDENTIFY AREAS CONTRIBUTING TO A STORM WATER DISCHARGE, TO EVALUATE WHETHER MEASURES TO REDUCE POLLUTANT LOADINGS IDENTIFIED IN THIS SWPPP ARE ADEQUATE, TO PROPERLY IMPLEMENT IN ACCORDANCE WITH THE TERMS OF THE GENERAL PERMIT, AND TO DETERMINE WHETHER ADDITIONAL CONTROL PRACTICES ARE NEEDED.
- PREPARATION OF REPORTS AND RETENTION OF RECORDS
  - EACH DISCHARGER MUST CERTIFY ANNUALLY THAT ITS CONSTRUCTION ACTIVITY IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE GENERAL PERMIT AND THIS SWPPP. THIS CERTIFICATION MUST BE BASED ON THE SITE INSPECTIONS. THE FIRST CERTIFICATION MUST BE COMPLETED BY JULY 1, 2020, AND EACH JULY 1 THEREAFTER.
  - THE DISCHARGER IS REQUIRED TO RETAIN RECORDS OF ALL MONITORING INFORMATION, COPIES OF ALL REPORTS REQUIRED BY THIS GENERAL PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR CONSTRUCTION ACTIVITY FOR A PERIOD OF AT LEAST THREE YEARS. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE STATE. WITH THE EXCEPTION OF NONCOMPLIANCE REPORTING, DISCHARGERS ARE NOT REQUIRED TO SUBMIT THE RECORDS EXCEPT UPON SPECIFIC REQUEST BY THE STATE DEQ DIVISION OF WATER QUALITY.
  - DISCHARGERS WHO CANNOT CERTIFY COMPLIANCE MUST NOTIFY THE STATE DEQ DIVISION OF WATER QUALITY. THIS NOTIFICATION SHALL IDENTIFY THE TYPE OR TYPES OF NONCOMPLIANCE, DESCRIBE THE ACTIONS NECESSARY TO ACHIEVE COMPLIANCE, AND INCLUDE A TIME SCHEDULE, SUBJECT TO THE MODIFICATIONS BY THE STATE DEQ DIVISION OF WATER QUALITY, INDICATING WHEN COMPLIANCE WILL BE ACHIEVED. NONCOMPLIANCE REPORTS MUST BE SUBMITTED WITHIN 30 DAYS OF THE IDENTIFICATION OF THE NONCOMPLIANCE.

**F. MAINTENANCE OF CONTROLS**

- MAINTENANCE AND REPAIR
  - ALL CONTROLS AND MEASURES INDICATED ON THIS PLAN SHOULD BE MAINTAINED IN GOOD AND EFFECTIVE CONDITION. IF ANY CONTROLS OR MEASURES ARE DAMAGED OR REMOVED, THEY SHOULD BE PROMPTLY REPAIRED OR RESTORED.
- PLAN REVISIONS
  - IF CONSTRUCTION ACTIVITY OR CONDITIONS CHANGE FROM THOSE SHOWN IN THIS PLAN, THEN THIS PLAN SHALL BE REVISED TO REFLECT THE CURRENT CONDITIONS.
- STABILIZATION PRACTICES
  - STABILIZATION PRACTICES MAY INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SOIL STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF NATIVE VEGETATION AND OTHER APPROPRIATE MEASURES. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED EXCEPT AS NOTED BELOW.
    - WHERE THE INITIATION OF STABILIZED MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
    - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 21 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
  - FINAL STABILIZATION AND POST-CONSTRUCTION CONTROLS
    - AFTER CONSTRUCTION HAS BEEN COMPLETED, THE SITE SHALL BE SWEEPED CLEAN, STORM WATER INLETS (GRATES AND BASINS) SHALL BE CLEANED, AND ALL WASTE AND LEFTOVER MATERIALS SHALL BE REMOVED FROM THE SITE.
    - ALL LANDSCAPING AND PLANTING AREAS SHOULD BE WELL MAINTAINED TO PREVENT EROSION. AVOID OVER WATERING OF LANDSCAPING.
    - ALL PAVED AREAS SHOULD BE SWEEPED WEEKLY EITHER BY HAND OR BY MECHANICAL MEANS TO KEEP THE SITE CLEAR OF DIRT, DUST, AND DEBRIS.
    - WASTE MATERIALS ON-SITE SHOULD BE STORED IN COVERED CONTAINERS WHICH ARE CLEANED OUT REGULARLY.
    - TESTING OF FIRE HYDRANTS ON-SITE SHALL NOT BE CONDUCTED UNTIL THE AREA WHERE THE WATER DISCHARGES HAS BEEN SWEEPED CLEAN OF DIRT AND DEBRIS.
    - STORM DRAIN LINES SHOULD BE CHECKED AND CLEANED ANNUALLY TO KEEP THEM CLEAN AND CLEAR OF DEBRIS.
    - ALL ON-SITE STORM WATER INLETS SHOULD BE CLEARLY MARKED "STORM WATER ONLY".

1. COMPLETION OF CONSTRUCTION ACTIVITIES AND NOTICE OF TERMINATION  
WHEN CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED ON THIS SITE, THE OWNER SHALL FILE A LETTER WITH THE STATE DEQ DIVISION OF WATER QUALITY. THIS LETTER SHALL CERTIFY THAT THE CONSTRUCTION ACTIVITY HAS BEEN COMPLETED, THAT ALL ELEMENTS OF THE SWPPP HAVE BEEN IMPLEMENTED, THAT CONSTRUCTION AND EQUIPMENT MAINTENANCE WASTES HAVE BEEN DISPOSED OF PROPERLY, THAT THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS, POLICIES, AND GUIDELINES.

date

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asd project no: 17042

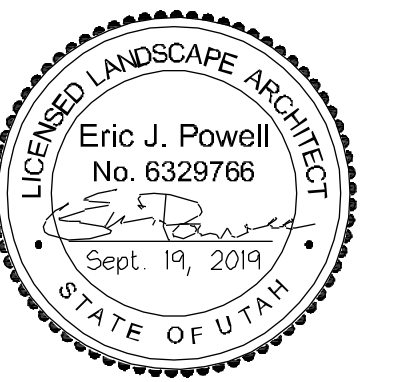
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EROSION CONTROL  
NOTES & DETAILS

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**L-D501**

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project

**SOUTHRIDGE PARK**  
**RESTROOM REPLACEMENT**  
5051 SOUTH 4015 WEST, TAYLORSVILLE, UT 84118

date  
September 19, 2019

revisions

data  
asd project no: 17042

title  
GRADING, LANDSCAPE  
AND LAYOUT PLANS

sheet

**L-L101**

**GRADING NOTES** A

1. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING. ALL RIDGES AND VALLEYS SHALL HAVE A SMOOTH TRANSITION FROM THE VALLEYS TO THE RIDGES.
2. CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
3. ANY ALTERATIONS TO THESE DRAWINGS DURING CONSTRUCTION SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT AND RECORDED ON 'AS BUILT' DRAWINGS.

**LAYOUT NOTES** B

1. LANDSCAPE ARCHITECT TO PROVIDE ELECTRONIC CAD FILE TO CONTRACTOR/SURVEYOR FOR CONSTRUCTION STAKING PURPOSES.
2. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHERE MEASURED UNLESS OTHERWISE INDICATED.
3. ALL LAYOUT AND GRADE WORK AS PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER OR SURVEYOR.
4. ALL CURVES TO TANGENT LINES SHALL BE NEAT, TRIM, SMOOTH AND UNIFORM.
5. WHEN THE WRITTEN DIMENSION IS DIFFERENT FROM THE SCALED DIMENSION, THE WRITTEN DIMENSION SHALL PREVAIL AND THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING BEFORE PROCEEDING WITH WORK IN THE AREA IN QUESTION.
6. SIDEWALK EXPANSION JOINTS SHALL BE PLACED WHERE CALLED FOR ON PLAN OR AT A MAXIMUM OF 10' O.C.. 1/2" EXPANSION JOINTS SHALL BE PROVIDED AT LOCATIONS WHERE SIDEWALKS ADJOIN CURBS OR EXISTING SIDEWALKS.
7. OWNER'S REPRESENTATIVE SHALL BE CONSULTED BEFORE ANY WORK SHALL COMMENCE.
8. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.

**LANDSCAPE NOTES** C

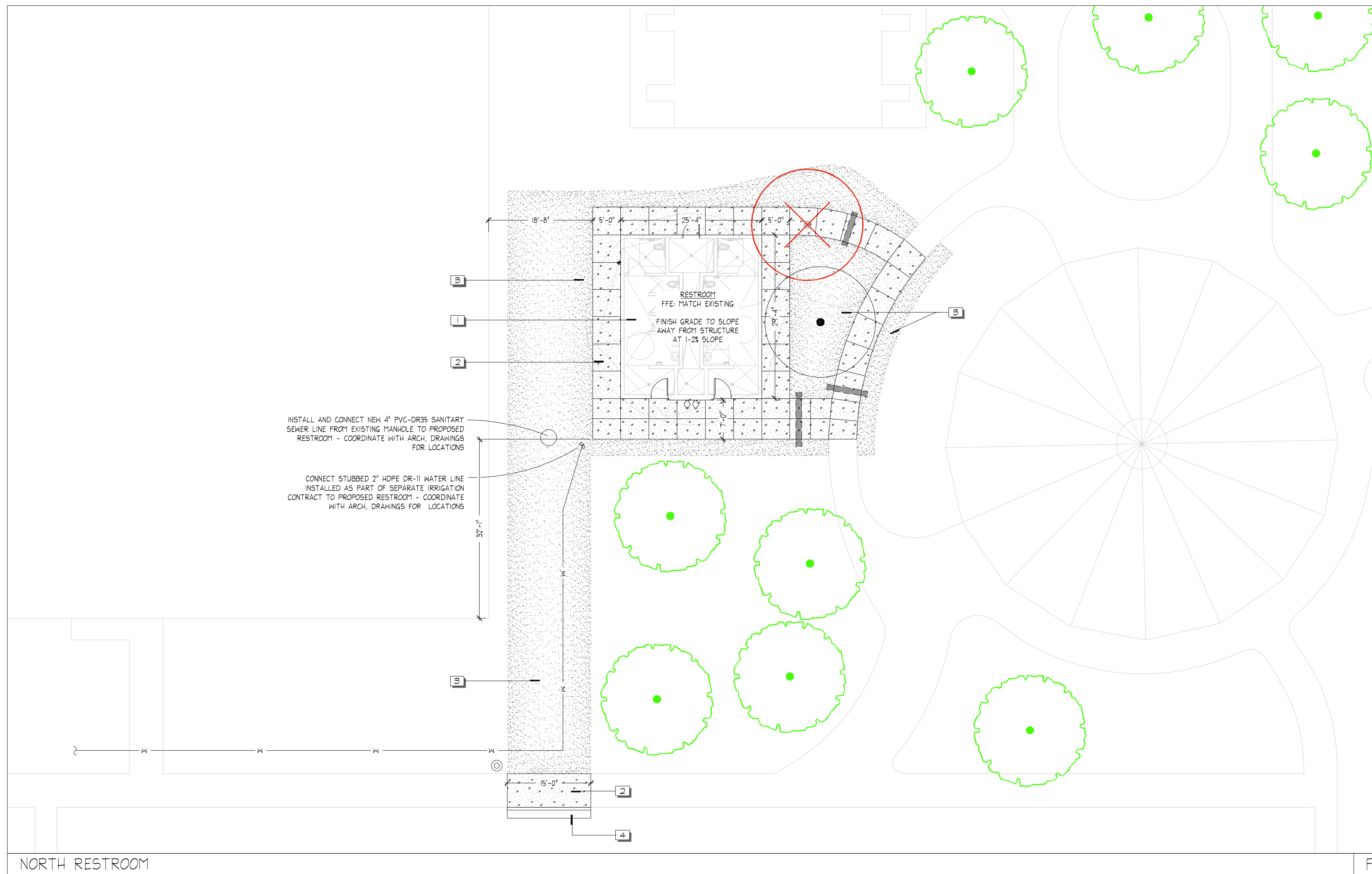
1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COSTS INCURRED DUE TO DAMAGE OF SAID UTILITIES.
2. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REP. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH THE LANDSCAPE CONSTRUCTION FOR THIS PROJECT.
4. ALL PLANT MATERIAL SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE UPON DELIVERY TO THE SITE, AND PRIOR TO INSTALLATION. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE ONLY AS APPROVED BY THE OWNER'S REPRESENTATIVE.
5. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS. IF DISCREPANCIES ARISE BETWEEN ACTUAL PLANTING AREA SIZES IN THE FIELD AND THOSE SHOWN ON THE PLANS, CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN WILL RESULT IN CONTRACTOR'S LIABILITY FOR MATERIALS RELLOCATION.
6. FINAL LOCATIONS OF ALL PLANT MATERIALS SHALL BE SUBJECT TO APPROVAL OF THE OWNER'S REPRESENTATIVE. TREES SHALL NOT BE PLANTED LESS THAN 5'-0" FROM CURBS OR HARD SURFACE AREAS UNLESS A ROOT BARRIER IS INSTALLED.
7. CONTRACTOR SHALL PROVIDE SOIL ANALYSIS AND AMEND SOIL AS RECOMMENDED - SEE SPECS.

**PLANTING SCHEDULE** D

TREES	BOTANICAL NAME	COMMON NAME	CONT.	GAL.	QTY.
	-	EXISTING TREE TO REMAIN	-	-	18
	-	EXISTING TREE TO BE REMOVED	-	-	1
	Morus 'Prairie Fire'	Prairie Fire Crabapple	B & B	25"	3
GROUND COVERS	BOTANICAL NAME	COMMON NAME	CONT.	SPACING	QTY.
	New Turf / Turf Repair	Install/repair turf as necessary	sod		3,405 sf

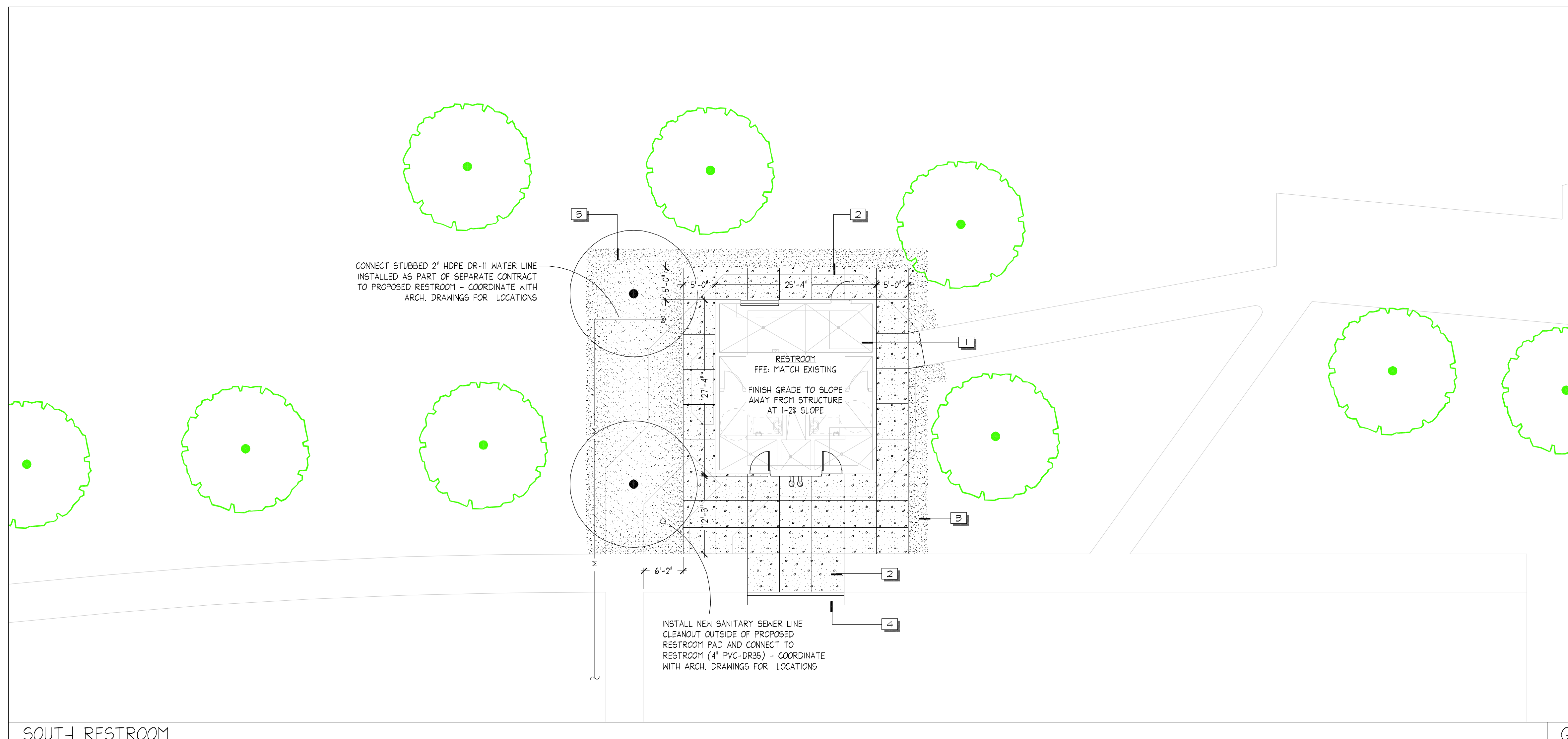
**REFERENCE NOTE SCHEDULE** E

SYMBOL	DESCRIPTION	QTY.
	RESTROOM - SEE ARCHITECTURAL DWGS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO EXISTING UTILITIES	
	CONCRETE PAVING, - SEE SHT. L-L501 DTL-B	2,153 sf
	SOD AREA TO RECEIVE 4" OF TURF TOPSOIL MIX, TYP. - REFER TO SPECS.	3,405 sf
	CURB AND GUTTER - MATCH EXISTING	



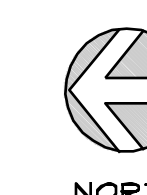
NORTH RESTROOM

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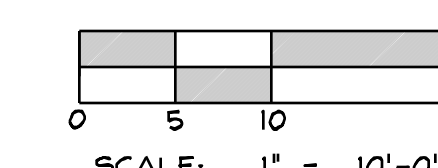


SOUTH RESTROOM

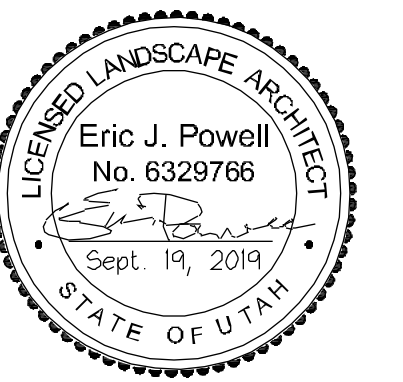
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NORTH



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**SOUTHRIDGE PARK**  
**RESTROOM REPLACEMENT**  
 5051 SOUTH 4015 WEST, TAYLORSVILLE, UT 84118

date

September 19, 2019

revisions

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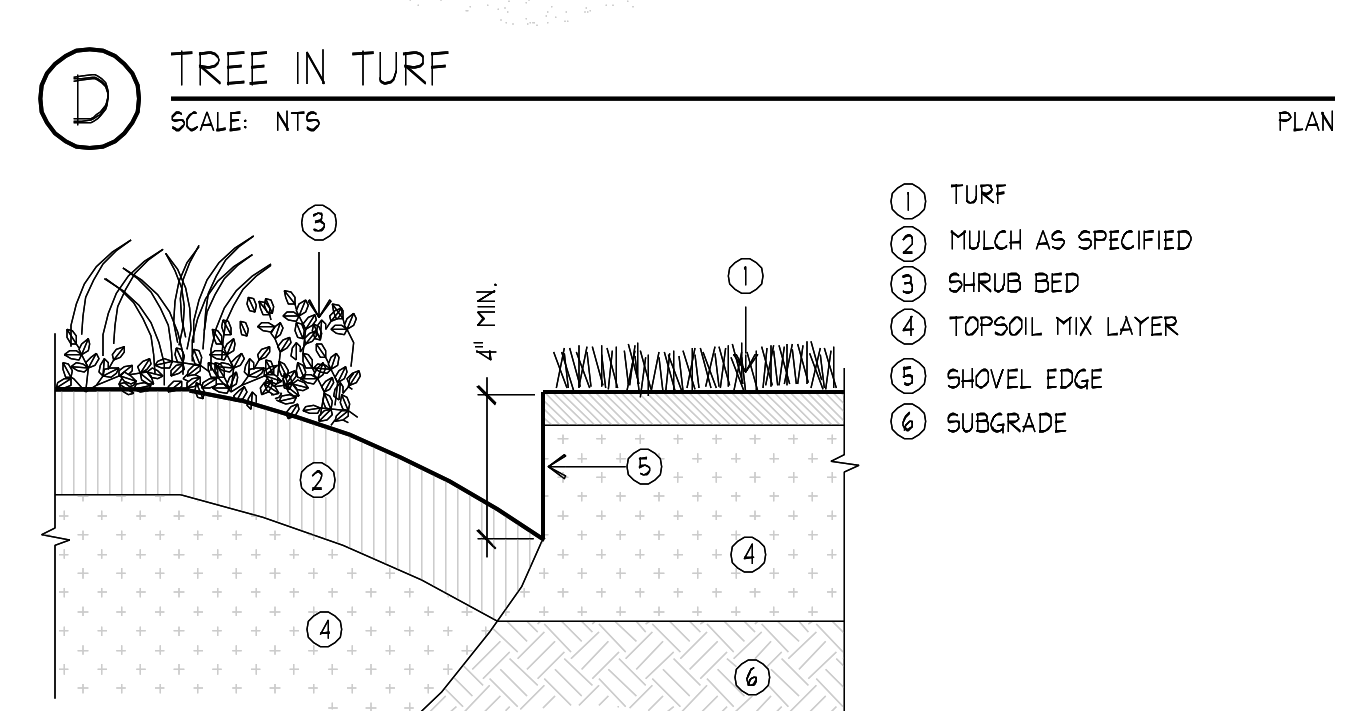
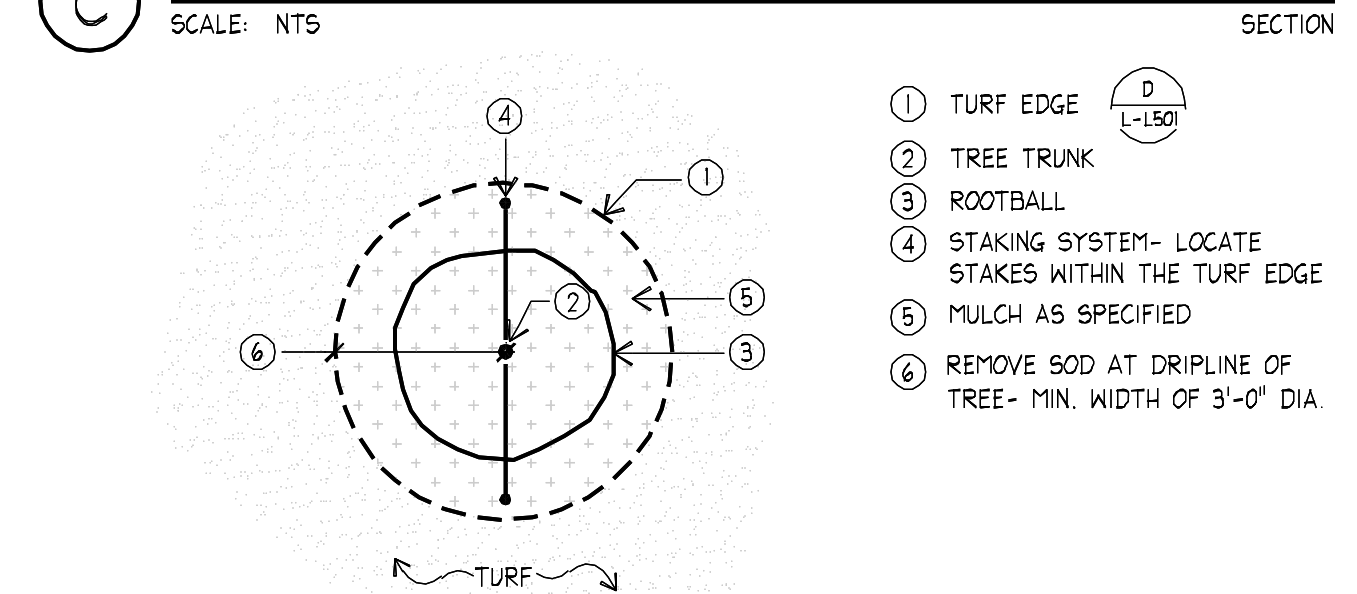
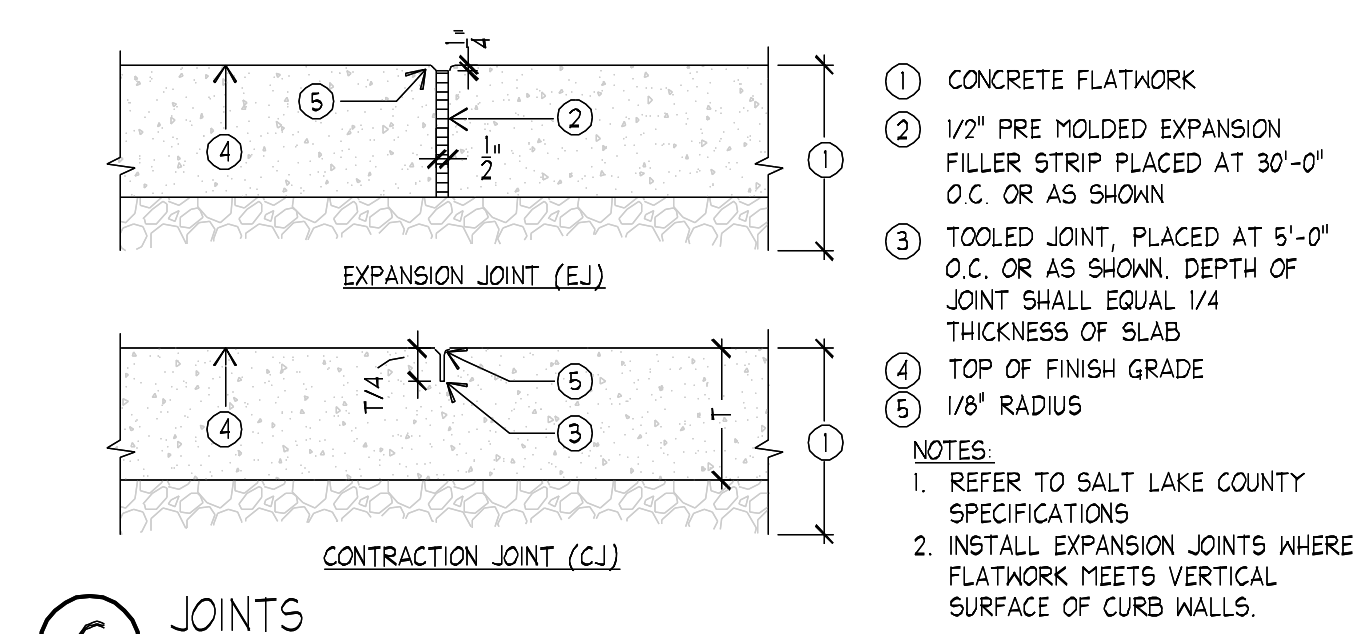
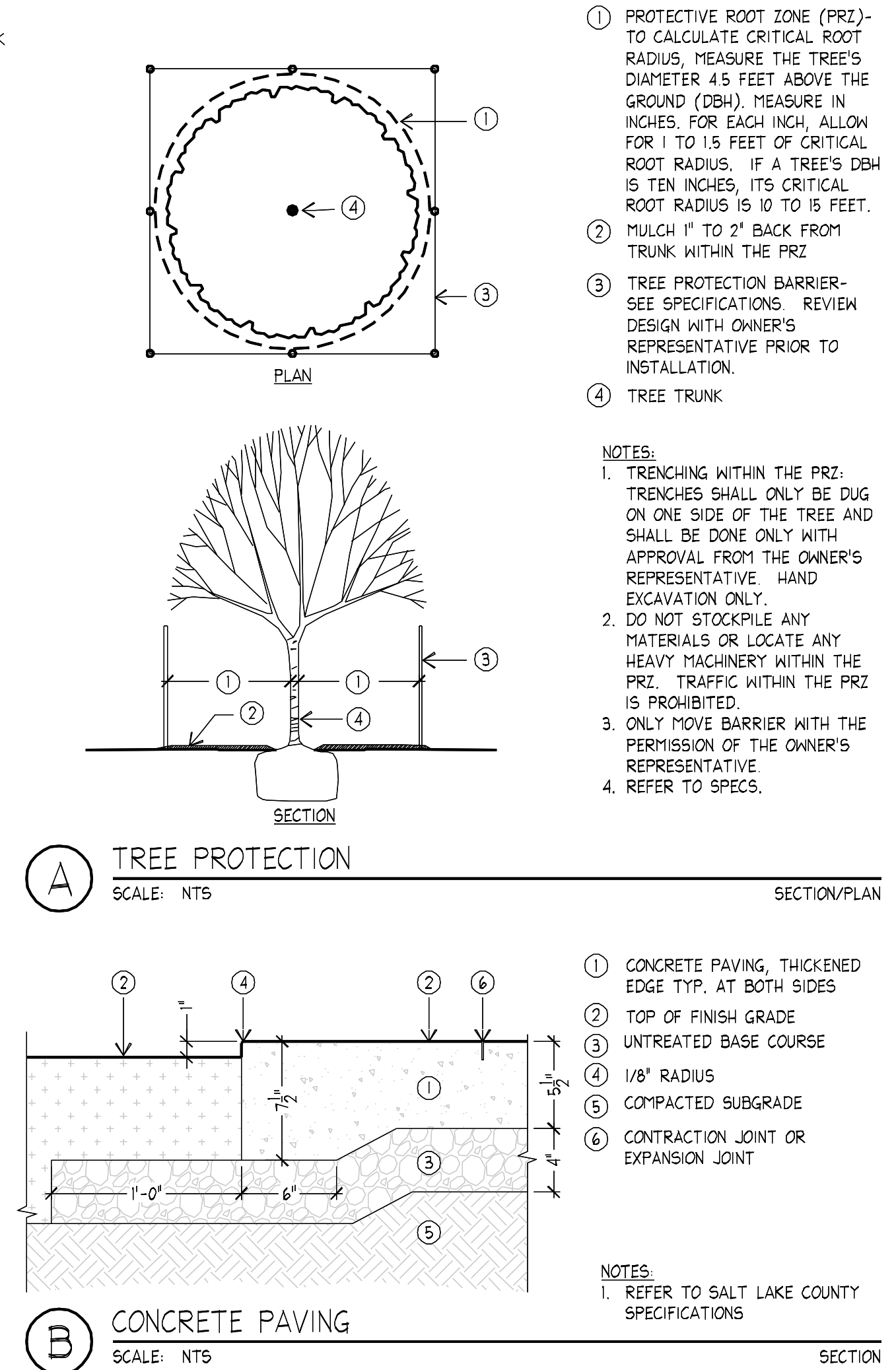
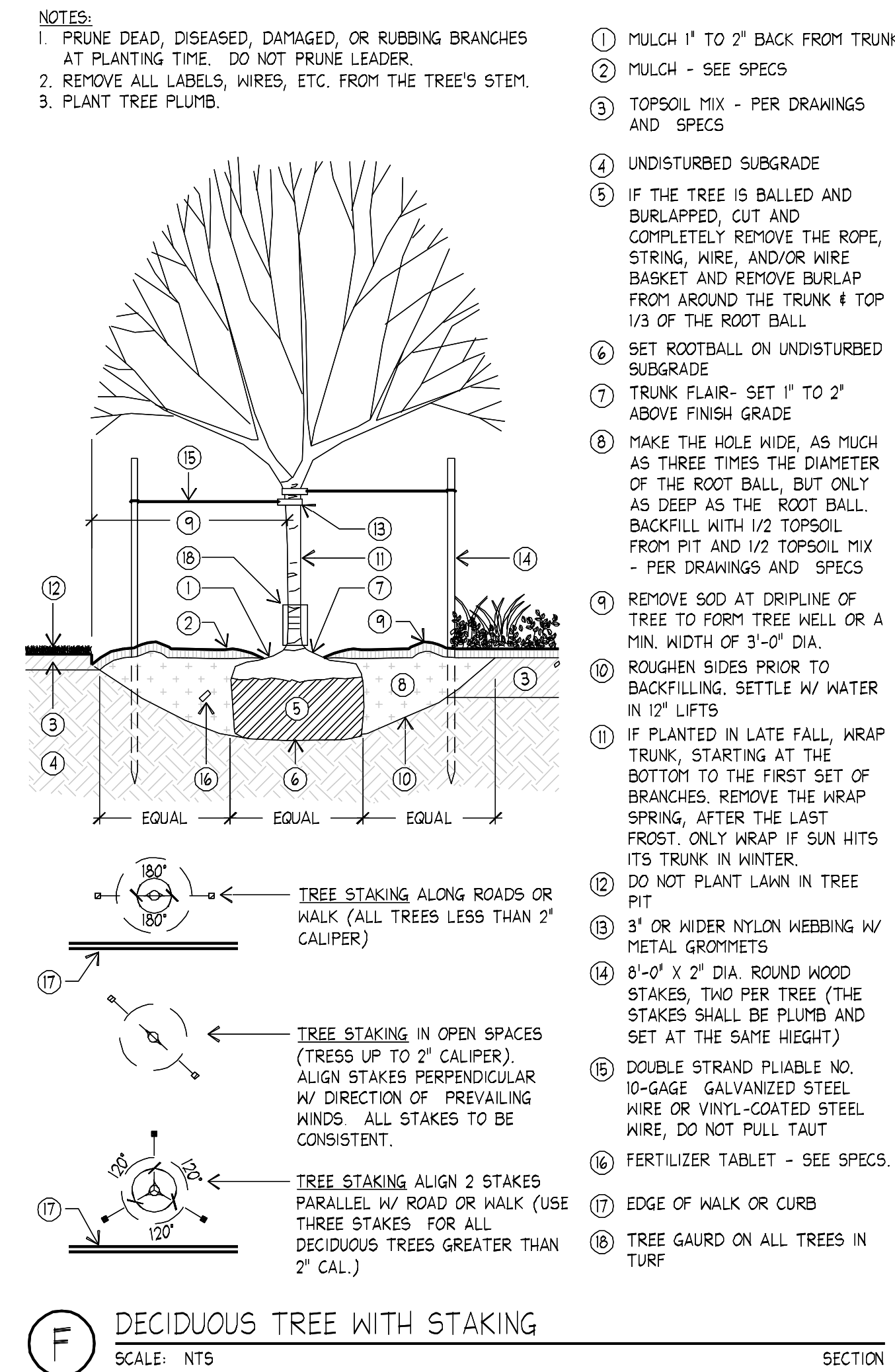
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**SITE AND LANDSCAPE**  
**DETAILS**

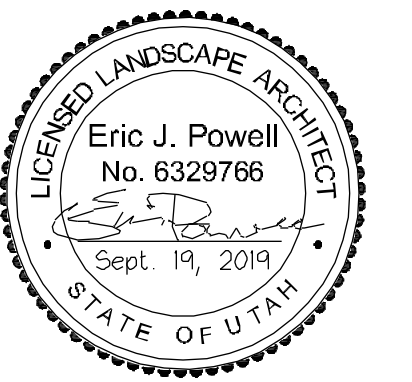
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**L-L501**





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**SOUTHRIDGE PARK  
RESTROOM REPLACEMENT**  
5051 SOUTH 4015 WEST, TAYLORSVILLE, UT 84118

date  
September 19, 2019

revisions

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asd project no: 17042

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IRRIGATION  
PLANS

sheet

**L-R101**

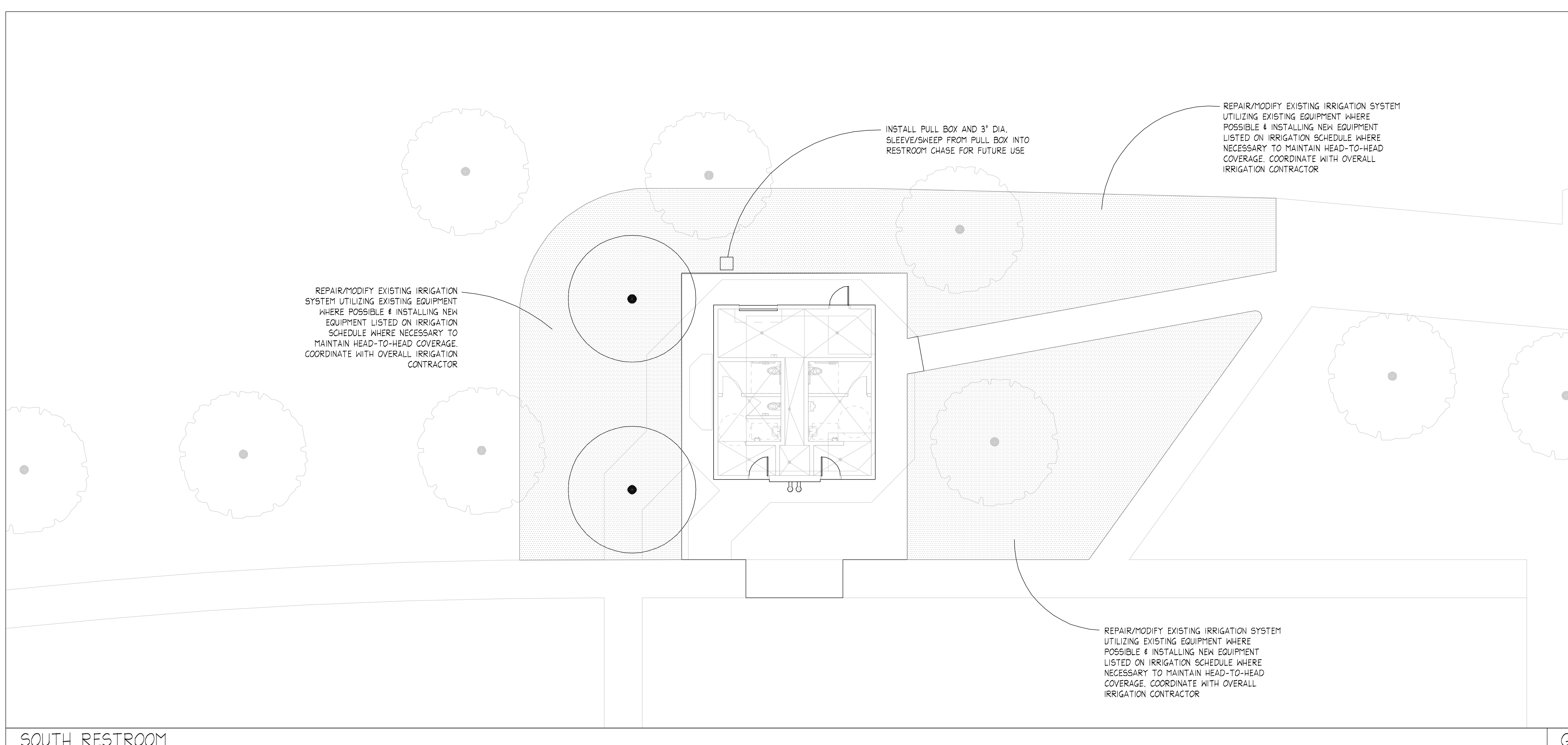
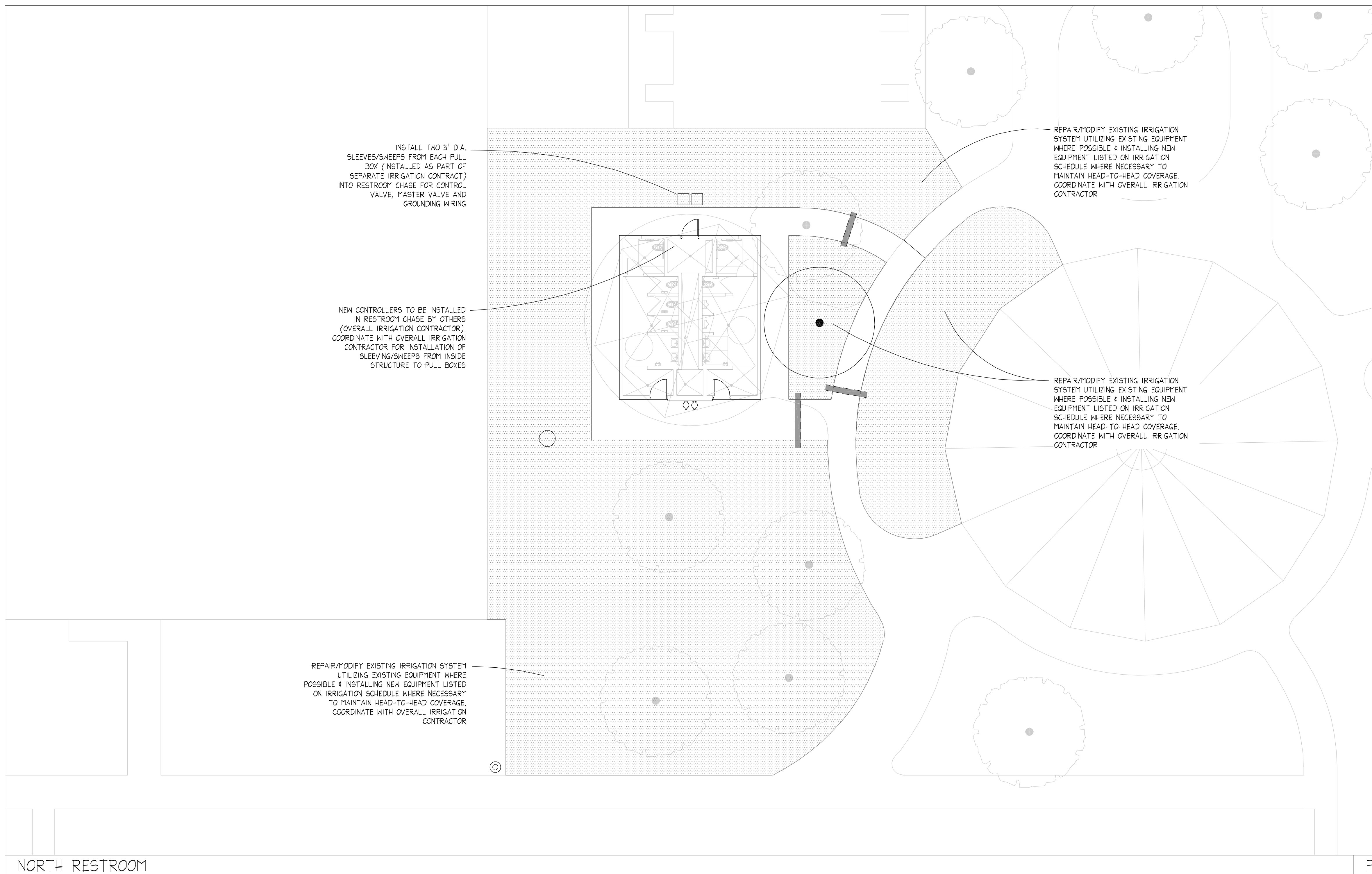
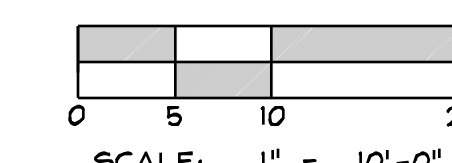
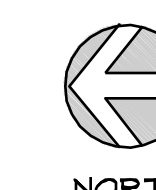
IRRIGATION NOTES

1. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM COVERAGE. INSTALL NOZZLES OF THE APPROPRIATE DEGREE AND RADIUS FOR THE AREA TO BE COVERED. ADJUST ALL NOZZLES TO MINIMIZE SPRAYING ONTO WALKS, BUILDINGS, ETC.
  2. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURERS SPECS
  3. ALL PIPE INSTALLED IN PAVING SHALL BE SLEEVED (SEE IRRIGATION SCHEDULE AND DETAILS).
- EXISTING IRRIGATION SYSTEM NOTES
1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING IRRIGATION SYSTEM IN GOOD WORKING CONDITION AND PHASE/SEQUENCE CONSTRUCTION IN ORDER TO ENSURE THAT EXISTING PLANT MATERIAL RECEIVES THE PROPER AMOUNT OF WATER DURING ALL PHASES OF CONSTRUCTION.
  2. THE CONTRACTOR SHALL MAKE MODIFICATIONS TO THE EXISTING IRRIGATION SYSTEM AS REQUIRED WHERE EXISTING IRRIGATION ZONES WILL BE DISRUPTED DUE TO PROPOSED CONSTRUCTION. MODIFICATIONS MAY INCLUDE BUT IS NOT LIMITED TO: RE-ROUTING EXISTING IRRIGATION MAINLINES AND LATERAL LINES, RELOCATING EXISTING IRRIGATION VALVES AND CONTROL WIRING, AND RELOCATING EXISTING IRRIGATION HEADS.
  3. THE CONTRACTOR MAY ALSO BE REQUIRED TO HAND-WATER EXISTING PLANT MATERIAL AS REQUIRED DURING CONSTRUCTION IN ORDER TO KEEP EXISTING PLANT MATERIAL HEALTHY AND IN GOOD CONDITION.
  4. DEAD, OR DYING PLANT MATERIAL NEEDING TO BE REPLACED DUE TO LACK OF IRRIGATION DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

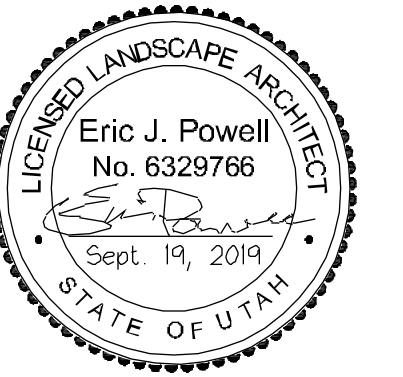
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	GPM	RADIUS
1.0	Rain Bird 5004-PC, FC-5AM-55-LA Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, Low Angle Nozzle, Pressure regulating with Seal-A-Matic Check Valve.	25	0.75	25'
1.5	Rain Bird 5004-PC, FC-5AM-55-LA Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, Low Angle Nozzle, Pressure regulating with Seal-A-Matic Check Valve.	25	1.15	27'
2.0	Rain Bird 5004-PC, FC-5AM-55-LA Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, Low Angle Nozzle, Pressure regulating with Seal-A-Matic Check Valve.	25	1.47	29'
3.0	Rain Bird 5004-PC, FC-5AM-55-LA Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, Low Angle Nozzle, Pressure regulating with Seal-A-Matic Check Valve.	25	2.23	29'
84	Rain Bird F4-PC, FC-55 Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, With Removable Seal-A-Matic Check Valve	40	3.30	41'
86	Rain Bird F4-PC, FC-55 Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, With Removable Seal-A-Matic Check Valve	40	4.90	45'
88	Rain Bird F4-PC, FC-55 Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, With Removable Seal-A-Matic Check Valve	40	6.60	49'
10	Rain Bird F4-PC, FC-55 Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, With Removable Seal-A-Matic Check Valve	40	8.10	51'
12	Rain Bird F4-PC, FC-55 Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, With Removable Seal-A-Matic Check Valve	40	9.70	55'
14	Rain Bird F4-PC, FC-55 Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, With Removable Seal-A-Matic Check Valve	40	11.3	55'
16	Rain Bird F4-PC, FC-55 Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, With Removable Seal-A-Matic Check Valve	40	12.6	55'
18	Rain Bird F4-PC, FC-55 Turf Rotor, 4.0" Pop-up, Stainless Steel Riser, Adjustable and Full Circle, With Removable Seal-A-Matic Check Valve	40	13.7	55'

- SYMBOL
- Rain Bird P25B  
1", 1-1/2", 2" Plastic Industrial Valves, Low Flow Operating Capability, Globe Configuration.
  - Rain Bird 44-LRC  
1" Brass Quick-Coupling Valve, with Locking Thermoplastic Rubber Cover, and 2-Piece Body.
  - Loamco Swivel Angle Valve  
Swivel Angle Valve with square operating nut and ductile iron swivel service tee. Size equal to pipe size.
  - Waterous Gate Valve  
2" square operating nut. Size equal to pipe size.
  - Pipe Sleeve: PVC Class 200  
Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.



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project

**SOUTHRIDGE PARK**  
**RESTROOM REPLACEMENT**  
5051 SOUTH 4015 WEST, TAYLORSVILLE, UT 84118

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September 19, 2019

revisions

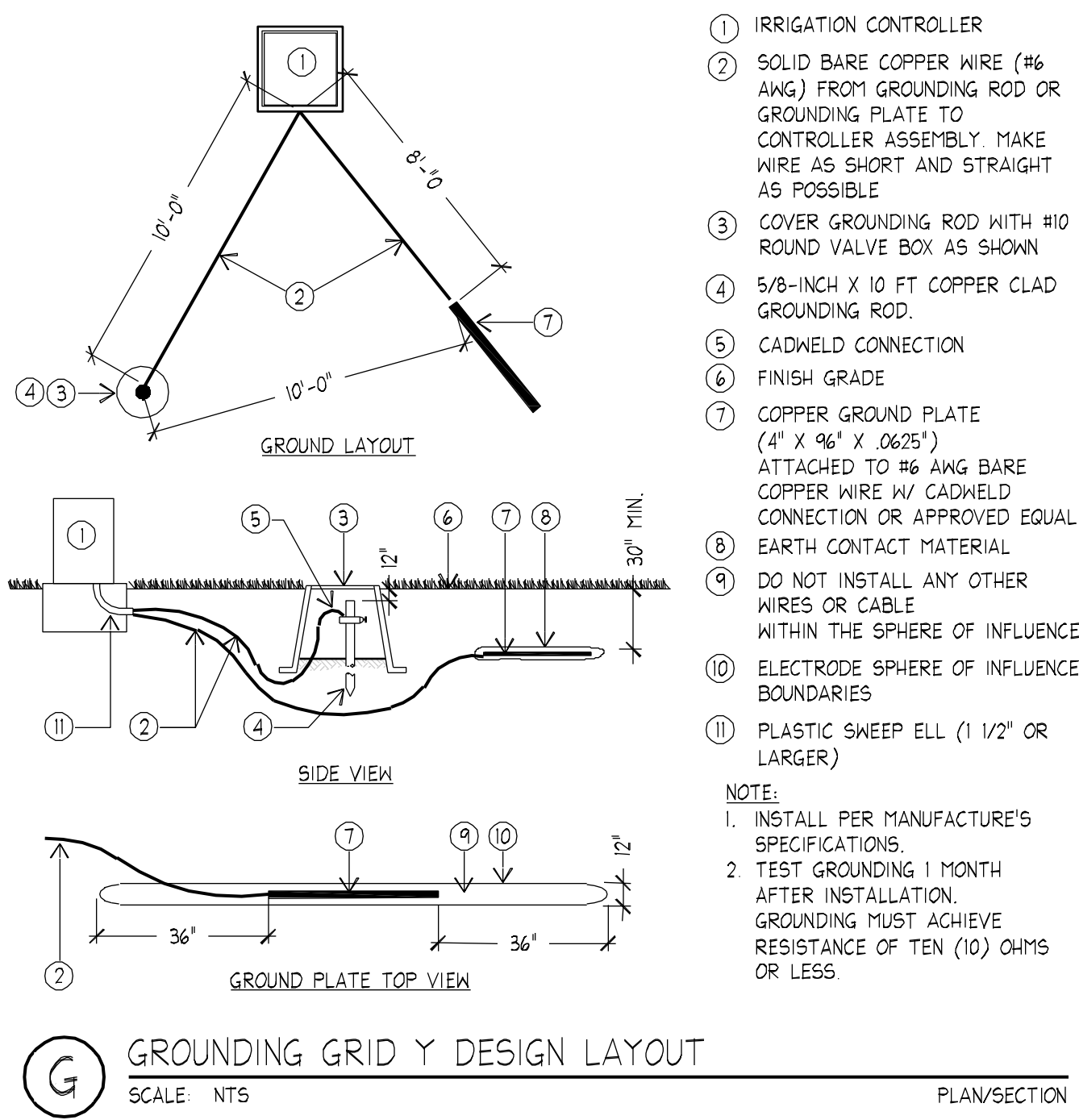
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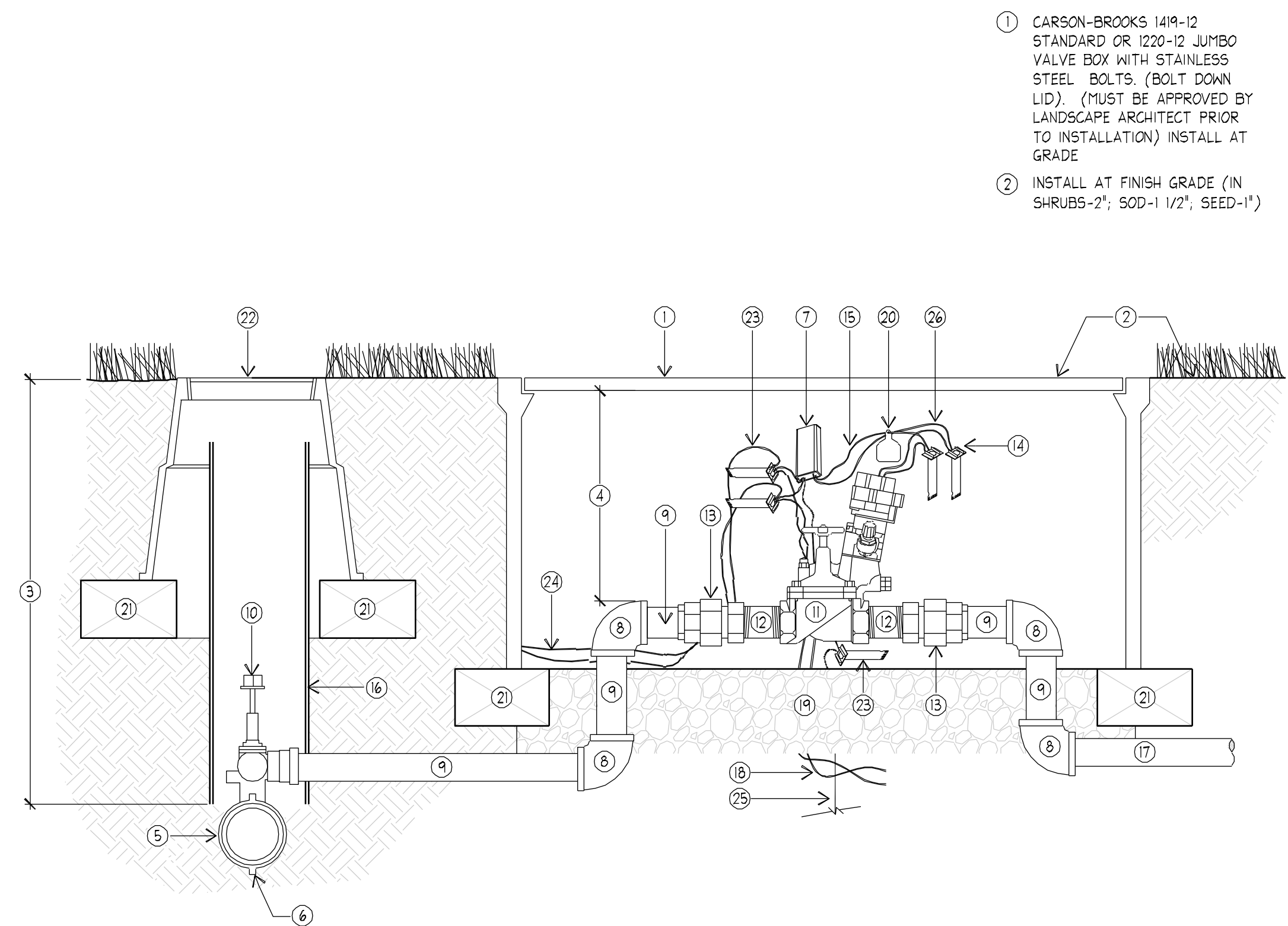
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IRRIGATION  
DETAILS

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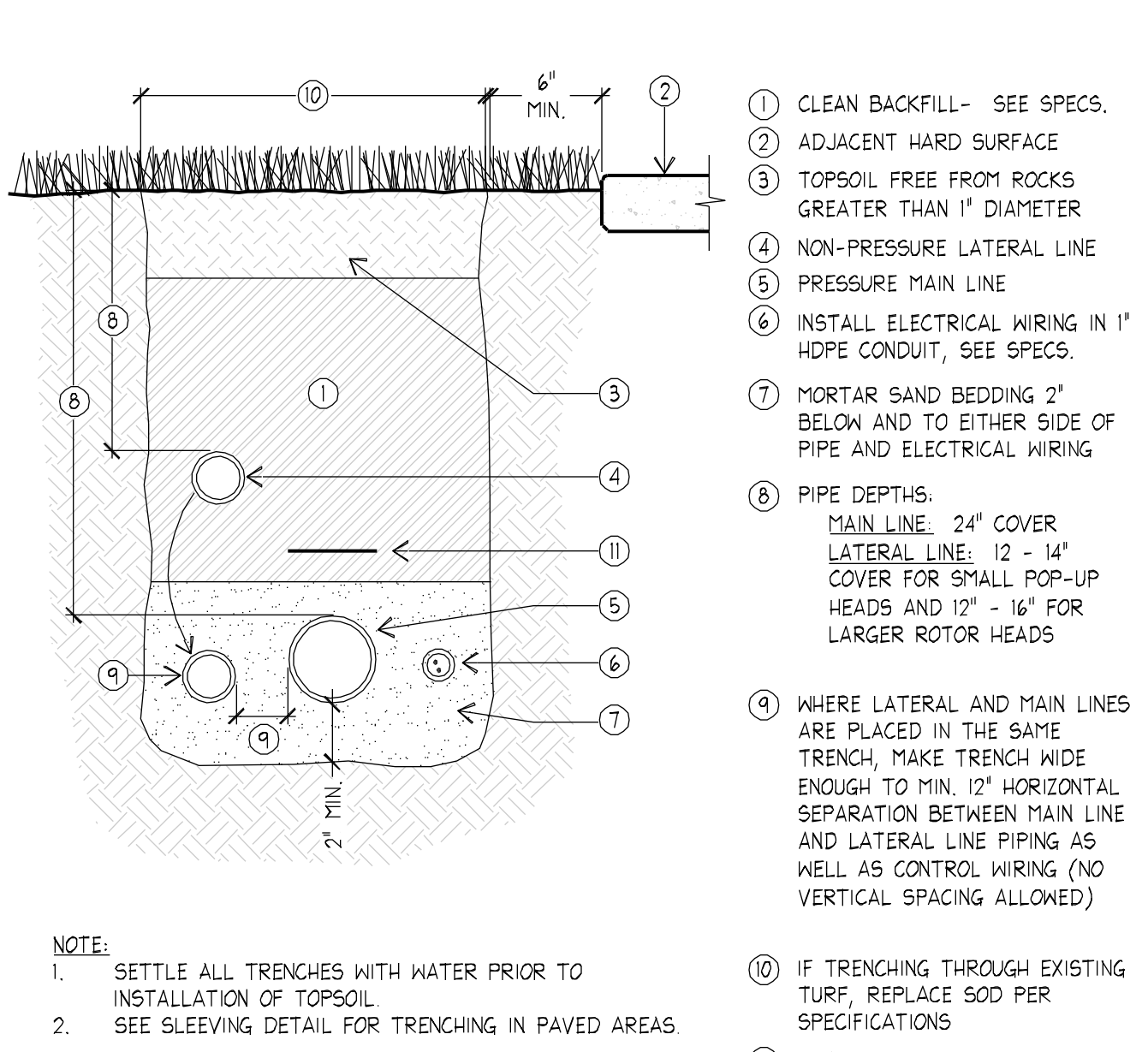
**L-R501**



- IRRIGATION CONTROLLER
  - SOLID BARE COPPER WIRE (#6 AWG) FROM GROUNDING ROD OR GROUNDING PLATE TO CONTROLLER ASSEMBLY. MAKE WIRE AS SHORT AND STRAIGHT AS POSSIBLE.
  - COVER GROUNDING ROD WITH #10 ROUND VALVE BOX AS SHOWN
  - 3/8-INCH X 10 FT COPPER CLAD GROUNDING ROD.
  - CADWELD CONNECTION
  - FINISH GRADE
  - COPPER GROUND PLATE (4' X 96" X .0625") ATTACHED TO #6 AWG BARE COPPER WIRE W/ CADWELD CONNECTION OR APPROVED EQUAL EARTH CONTACT MATERIAL
  - DO NOT INSTALL ANY OTHER WIRES OR CABLE WITHIN THE SPHERE OF INFLUENCE
  - ELECTRODE SPHERE OF INFLUENCE BOUNDARIES
  - PLASTIC SHEET ELL (1 1/2" OR LARGER)
- NOTE:  
1. INSTALL PER MANUFACTURER'S SPECIFICATIONS.  
2. TEST GROUNDING 1 MONTH AFTER INSTALLATION. GROUNDING MUST ACHIEVE RESISTANCE OF TEN (10) OHMS OR LESS.



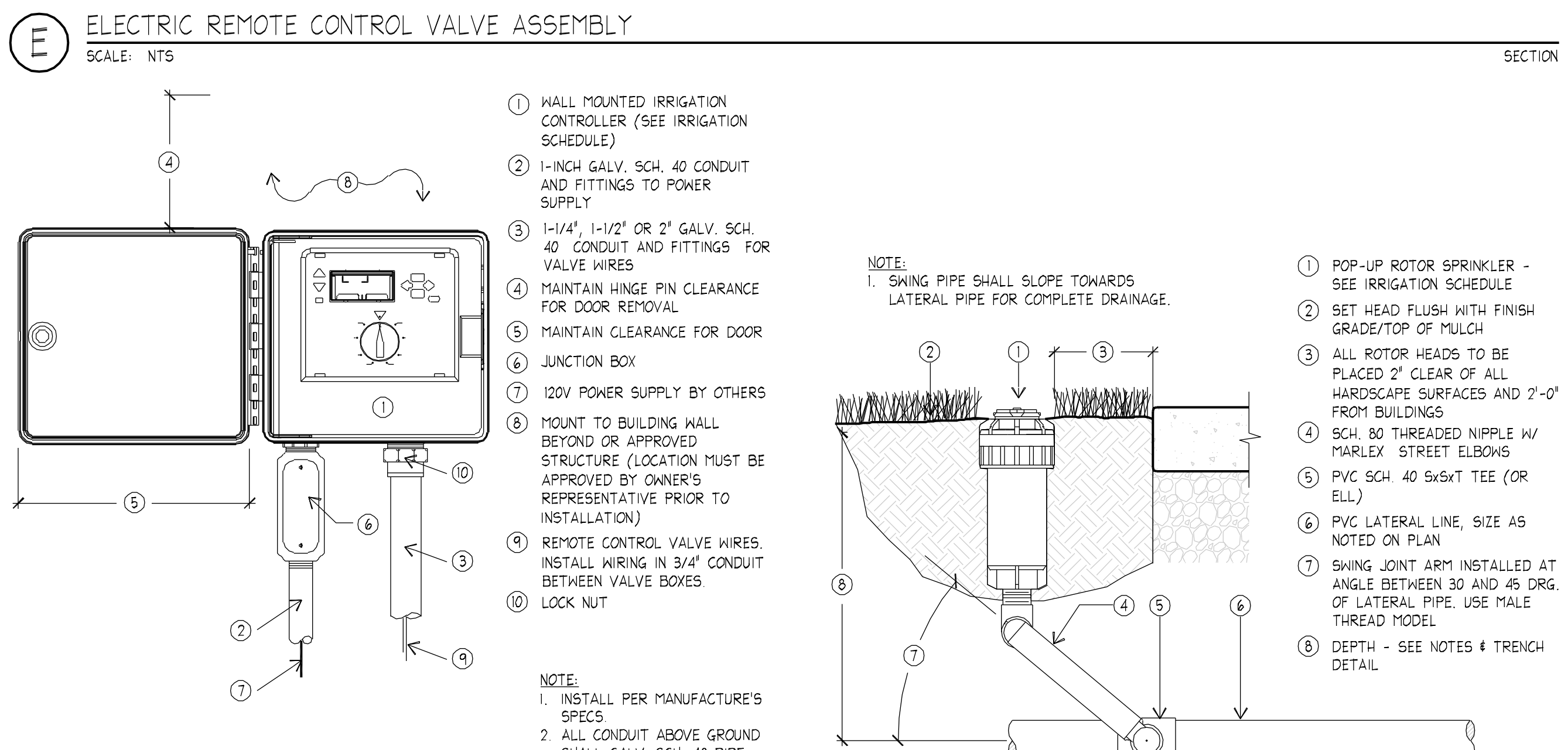
- CARSON-BROOKS 14R-12 STANDARD OR 1220-12 JUMBO VALVE BOX WITH STAINLESS STEEL BOLTS (BOLT DOWN LID) (MUST BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION) INSTALL AT GRADE
- INSTALL AT FINISH GRADE (IN SHRUBS-2", 500-1 1/2", SEED-1")
- FOR TRENCH DEPTHS (SEE TRENCHING AND SLEEVING DETAIL)
- 10"-14"
- MAIN WATER SUPPLY LINE
- DUCTILE IRON SWIVEL SERVICE TEE WITH NECESSARY PIPE RESTRAINTS (SEE NOTE #5)
- DECODER
- PVC SCH 80 ELL SAME SIZE AS VALVE
- SCH. 80 PIPE AND FITTINGS AS NEEDED
- SWIVEL ANGLE VALVE W/ SQUARE OPERATING NUT SIZE PER LINE
- IRRIGIC CONTROL VALVE - SEE IRRIGATION SCHEDULE
- SCH. 80 NIPPLE
- PVC SCH 80 UNION
- WATER TIGHT CONNECTORS (3M DBY ONLY)
- CONTROL WIRES - 30-INCH LINEAR LENGTH OF WIRE, COILED
- 6" PVC SCH. 40 PIPE SLEEVE NOTCHED OVER VALVE
- LATERAL LINE
- 2-WIRE PATH
- 4" MIN. DEPTH CLEAN PEA GRAVEL
- ID TAG: RAINBIRD VID SERIES STANDARD BRICK - TYPICAL ALL BOXES
- 12" ROUND GREEN PLASTIC VALVE BOXES, STACK AS NECESSARY CARSON-BROOKS 910 OR EQUAL
- DIRECT BURY WIRE SPLICE
- 2-WIRE PATH FROM CONTROLLER. INSTALL ALL WIRING IN 1" HDPE PIPE BETWEEN CONTROLLER AND VALVE BOXES
- TO DECODER GROUNDING PLATE INSTALL PER MANUFACTURER'S RECOMMENDATIONS
- TWO BLACK WIRES TO VALVE SOLENOID



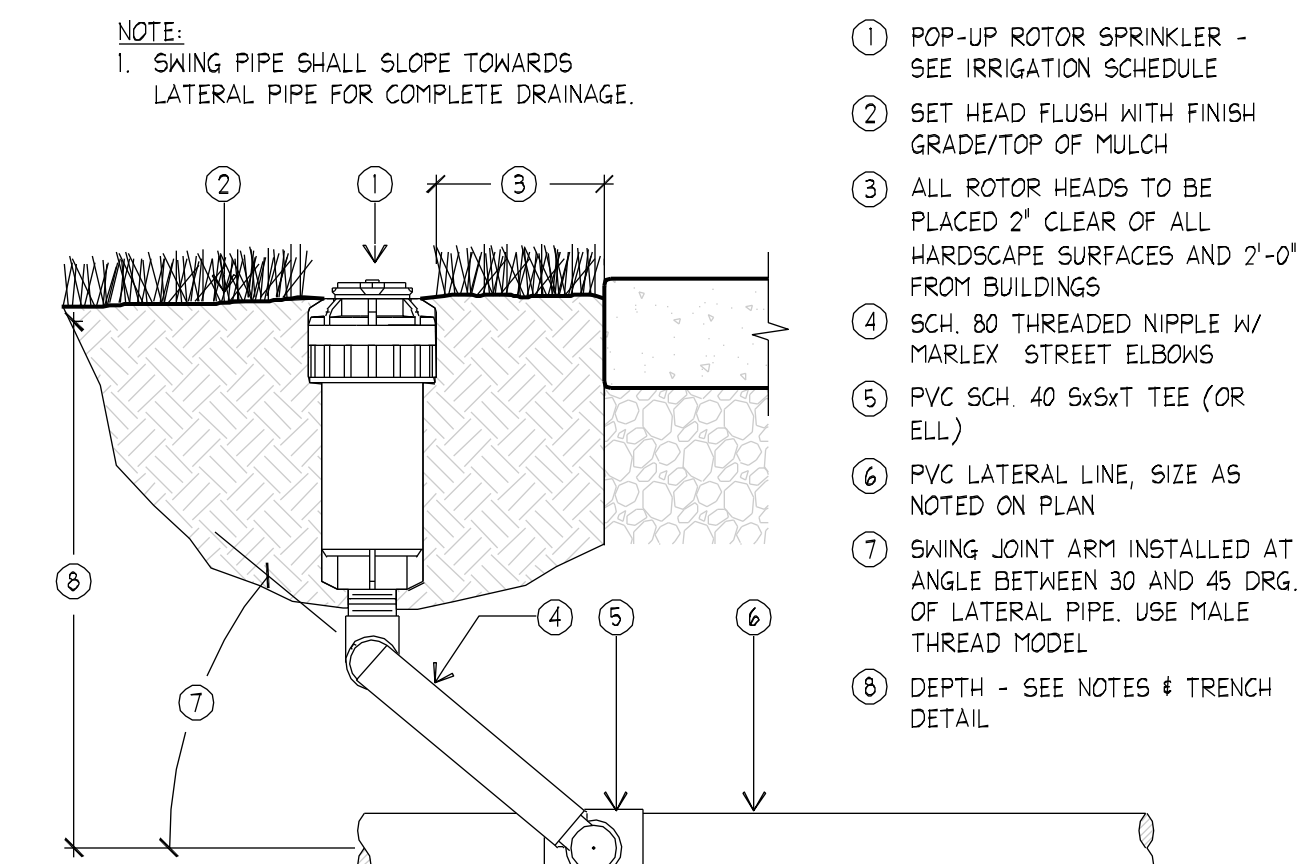
- CLEAN BACKFILL - SEE SPECS.
- ADJACENT HARD SURFACE
- TOPSOIL FREE FROM ROCKS GREATER THAN 1" DIAMETER
- NON-PRESSURE LATERAL LINE PRESSURE MAIN LINE
- INSTALL ELECTRICAL WIRING IN 1" HDPE CONDUIT, SEE SPECS.
- MORTAR SAND BEDDING 2" BELOW AND TO EITHER SIDE OF PIPE AND ELECTRICAL WIRING
- PIPE DEPTHS:  
MAIN LINE: 24" COVER  
LATERAL LINE: 12 - 14" COVER FOR SMALL POP-UP HEADS AND 12" - 16" FOR LARGER ROTOR HEADS
- WHERE LATERAL AND MAIN LINES ARE PLACED IN THE SAME TRENCH, MAKE TRENCH WIDE ENOUGH TO MIN. 12" HORIZONTAL SEPARATION BETWEEN MAIN LINE AND LATERAL LINE PIPING AS WELL AS CONTROL WIRING (NO VERTICAL SPACING ALLOWED)
- IF TRENCHING THROUGH EXISTING TURF, REPLACE 500 PER SPECIFICATIONS
- TRACER WIRE, SEE SPECS.

NOTE:  
1. SETTLE ALL TRENCHES WITH WATER PRIOR TO INSTALLATION OF TOPSOIL.  
2. SEE SLEEVING DETAIL FOR TRENCHING IN PAVED AREAS.

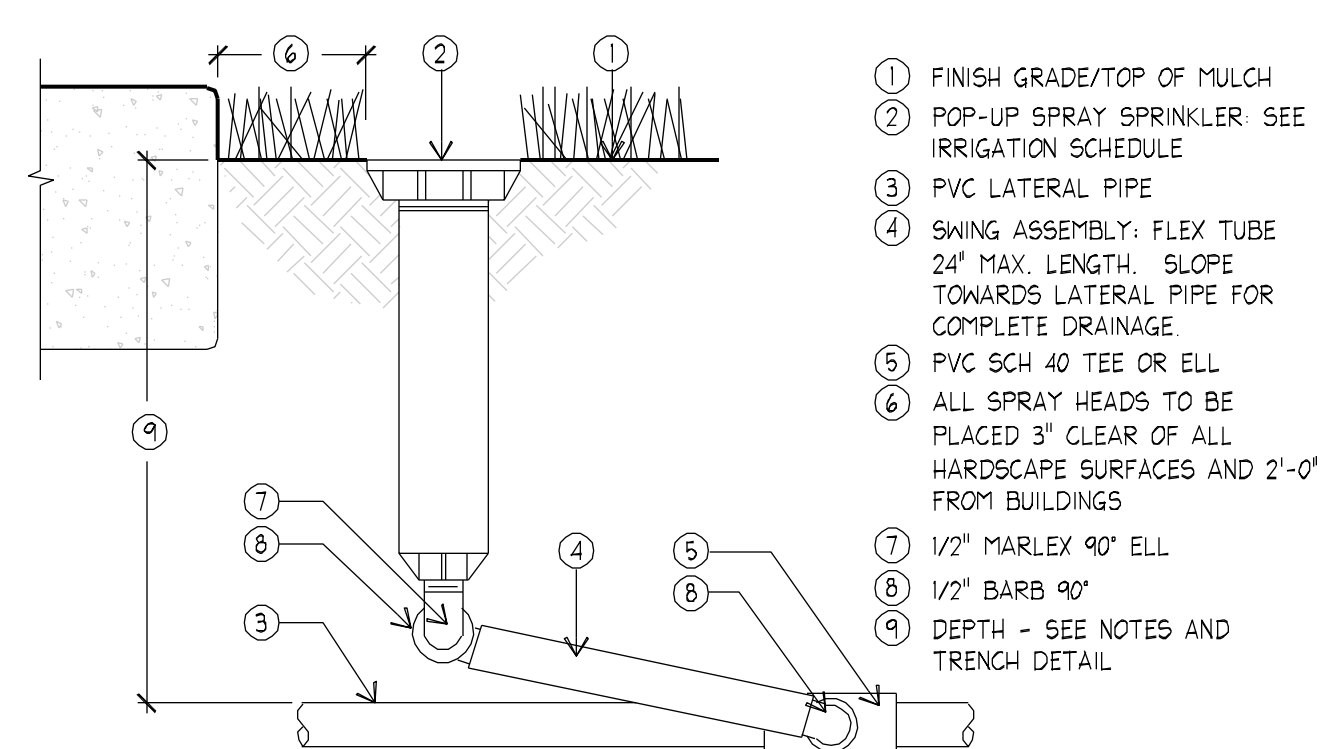
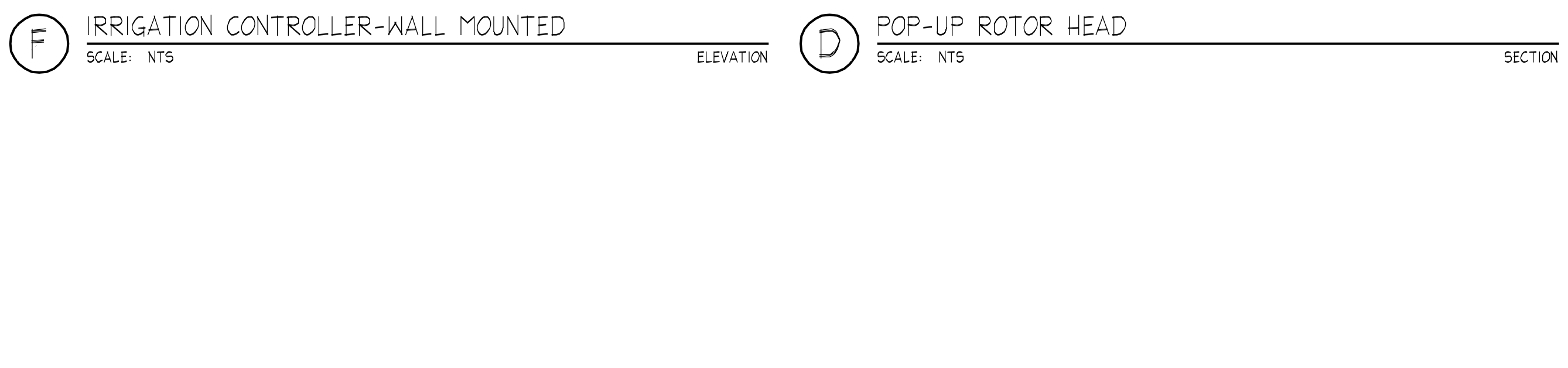
NOTES:  
1. ONE REMOTE CONTROL VALVE PER STANDARD SIZE VALVE BOX.  
2. ALL FITTINGS AND NIPPLES IN MANIFOLD SHALL BE SCH. 80 THREADED PVC USING TEFLON TAPE AND #5 RECTOR SEAL.  
3. VALVE MANIFOLD TO BE INSTALLED GONE AWAY FROM MAIN LINE - MINIMUM OF 1 FOOT BEFORE CHANGE IN DIRECTION.  
4. CUT ALL VALVE BOXES AS REQUIRED SO BOXES DO NOT SIT ON PIPING.  
5. MAIN LINE PIPE 3" AND LARGER SHALL HAVE GASKETED DUCTILE IRON, HARGO, LEEMCO OR APPROVED EQUAL TYPE FITTINGS WITH TRANSITION GASKETS IF NEEDED, AT ALL CHANGES OF DIRECTION TEES, ELLS, CAPS, ETC. INSTALL JOINT RESTRAINTS AT FITTINGS PER JOINT RESTRAINT DETAILS.



- WALL MOUNTED IRRIGATION CONTROLLER (SEE IRRIGATION SCHEDULE)
  - 1-INCH GALV. SCH. 40 CONDUIT AND FITTINGS TO POWER SUPPLY
  - 1-1/4" 1-1/2" OR 2" GALV. SCH. 40 CONDUIT AND FITTINGS FOR VALVE WIRES
  - MAINTAIN HINGE PIN CLEARANCE FOR DOOR REMOVAL
  - MAINTAIN CLEARANCE FOR DOOR JUNCTION BOX
  - 120V POWER SUPPLY BY OTHERS
  - MOUNT TO BUILDING WALL BEYOND OR APPROVED STRUCTURE (LOCATION MUST BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION)
  - REMOTE CONTROL VALVE WIRES. INSTALL WIRING IN 3/4" CONDUIT BETWEEN VALVE BOXES
  - LOCK NUT
- NOTE:  
1. INSTALL PER MANUFACTURER'S SPECS.  
2. ALL CONDUIT ABOVE GROUND SHALL GALV. SCH. 40 PIPE.  
3. GROUND CONTROLLER PER DETAILS AND MANUFACTURER'S SPECS.

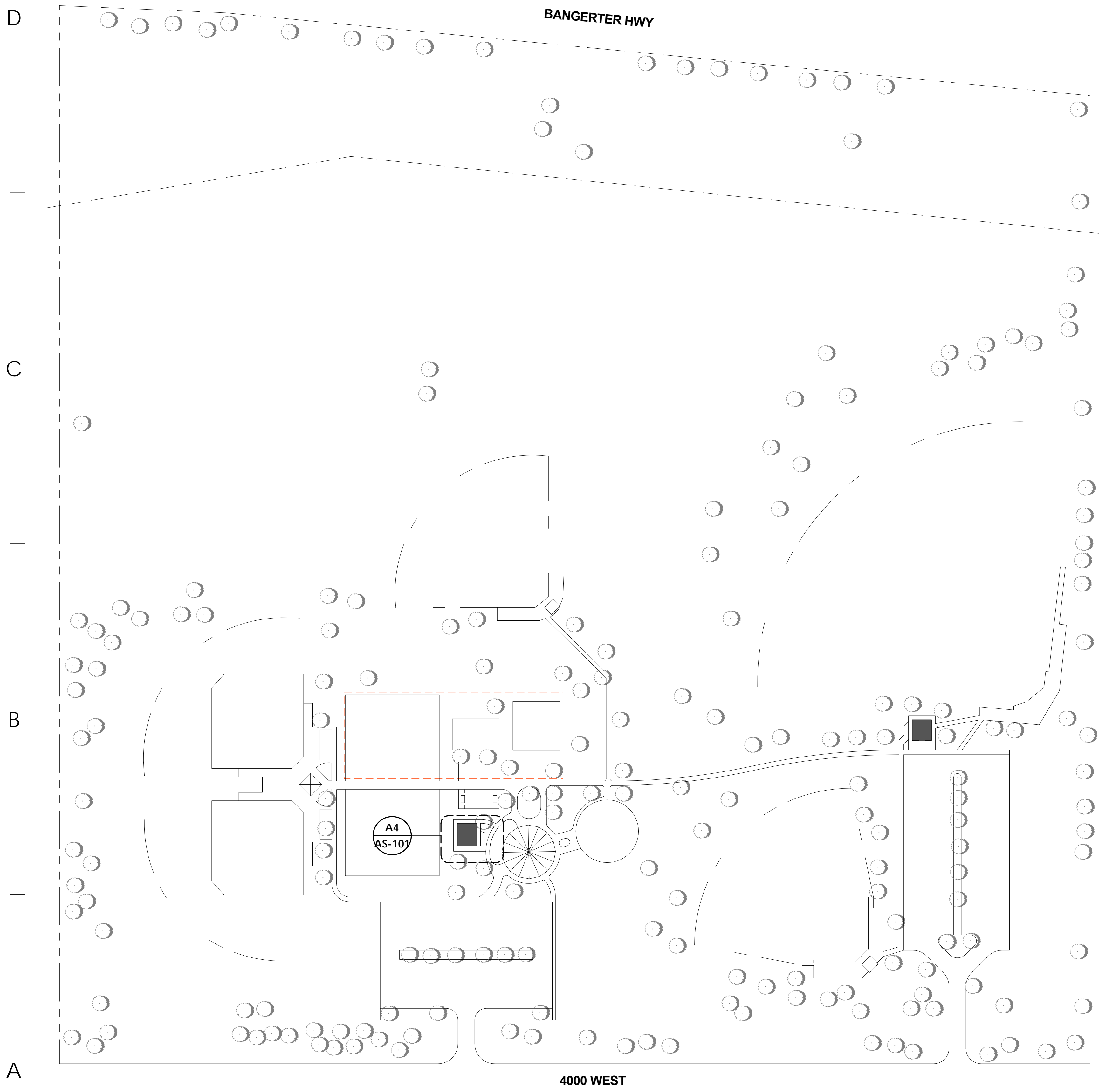


- POP-UP ROTOR SPRINKLER - SEE IRRIGATION SCHEDULE
  - SET HEAD FLUSH WITH FINISH GRADE/TOP OF MULCH
  - ALL ROTOR HEADS TO BE PLACED 2" CLEAR OF ALL HARDSCAPE SURFACES AND 2'-0" FROM BUILDINGS
  - SCH. 80 THREADED NIPPLE W/ MARLEX STREET ELBONS
  - PVC SCH 40 5x6xT TEE (OR ELL)
  - PVC LATERAL LINE, SIZE AS NOTED ON PLAN
  - SWING JOINT ARM INSTALLED AT ANGLE BETWEEN 30 AND 45 DEG. OF LATERAL PIPE. USE MALE THREAD MODEL
  - DEPTH - SEE NOTES & TRENCH DETAIL
- NOTE:  
1. SWING PIPE SHALL SLOPE TOWARDS LATERAL PIPE FOR COMPLETE DRAINAGE.



- FINISH GRADE/TOP OF MULCH
- POP-UP SPRAY SPRINKLER SEE IRRIGATION SCHEDULE
- PVC LATERAL PIPE
- SWING ASSEMBLY: FLEX TUBE 24" MAX. LENGTH. SLOPE TOWARDS LATERAL PIPE FOR COMPLETE DRAINAGE
- PVC SCH 40 TEE OR ELL
- ALL SPRAY HEADS TO BE PLACED 3" CLEAR OF ALL HARDSCAPE SURFACES AND 2'-0" FROM BUILDINGS
- 1/2" MARLEX 40" ELL
- 1/2" BARB 40"
- DEPTH - SEE NOTES AND TRENCH DETAIL

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**A1** OVERALL SITE PLAN  
1" = 80'-0"

**GENERAL NOTES AND LEGEND:**

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
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ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**SALT LAKE COUNTY** Parks & Recreation  
 2001 South State St. S4-700  
 Salt Lake City, UT 84190

**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

5051 SOUTH 4015 WEST  
 TAYLORSVILLE, UTAH

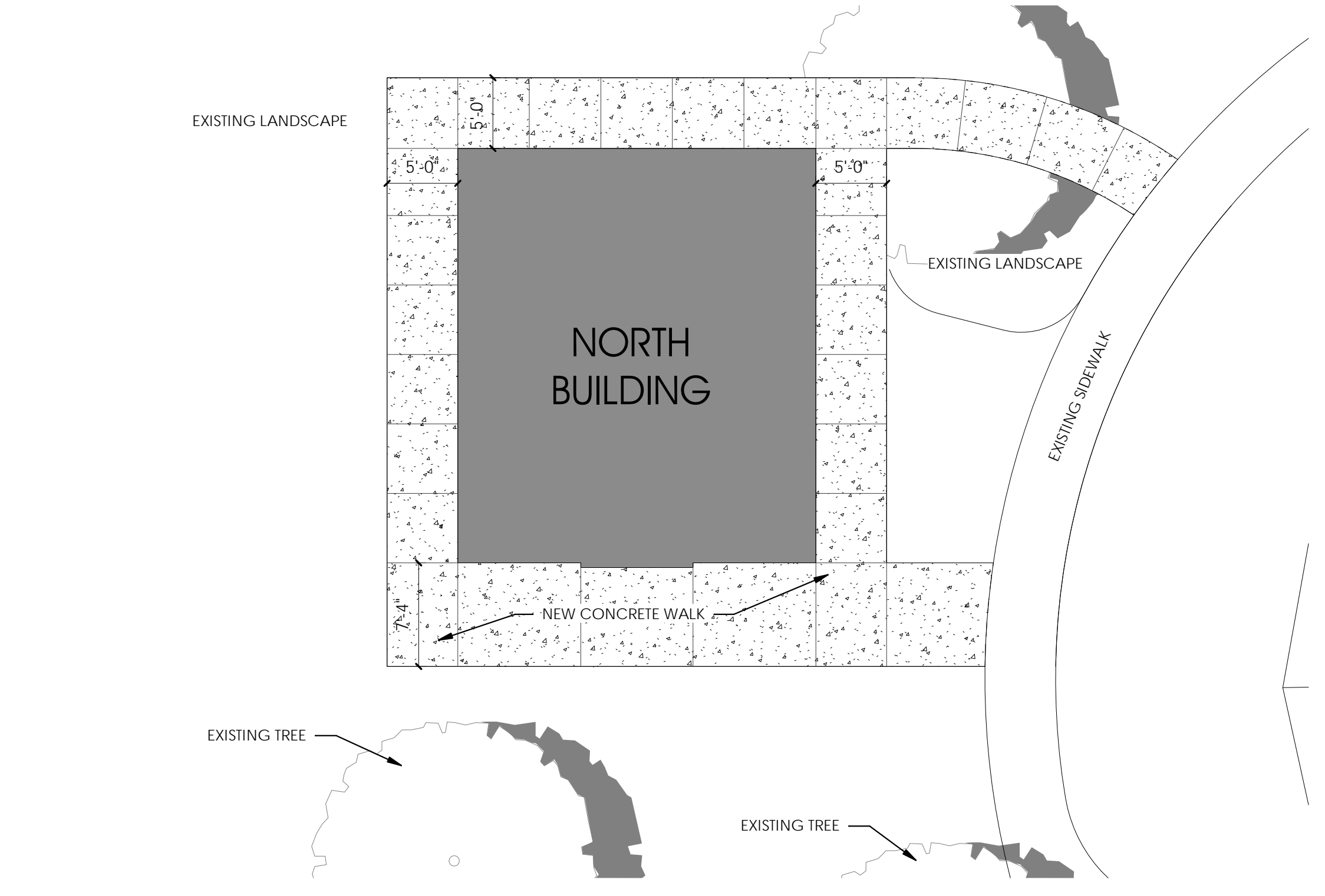
SHEET NAME:  
**ARCHITECTURAL SITE PLAN**

REVISIONS  
 MARK DATE DESCRIPTION

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 CHECKED BY: K RIGBY  
 PROJECT#: 1930.01

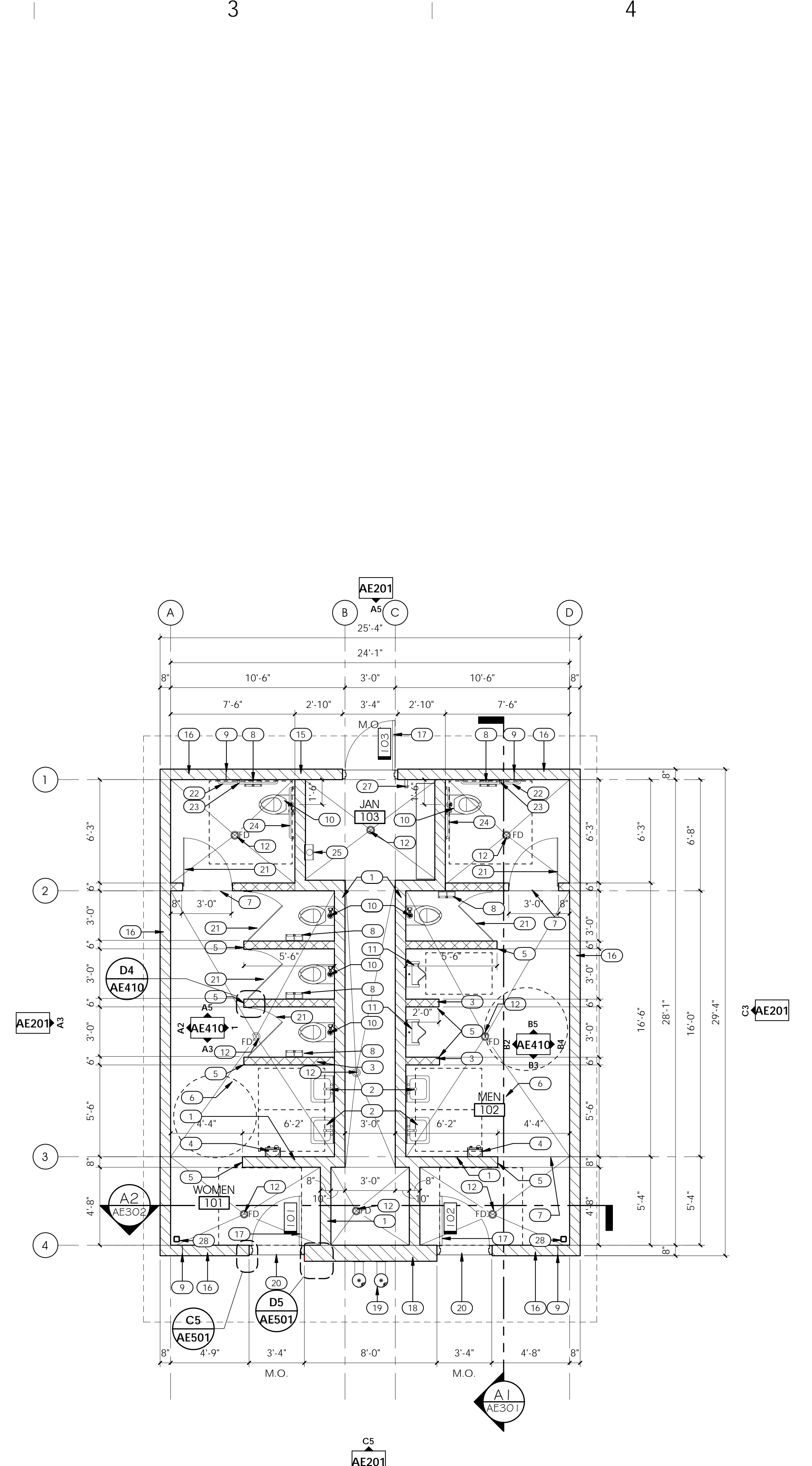
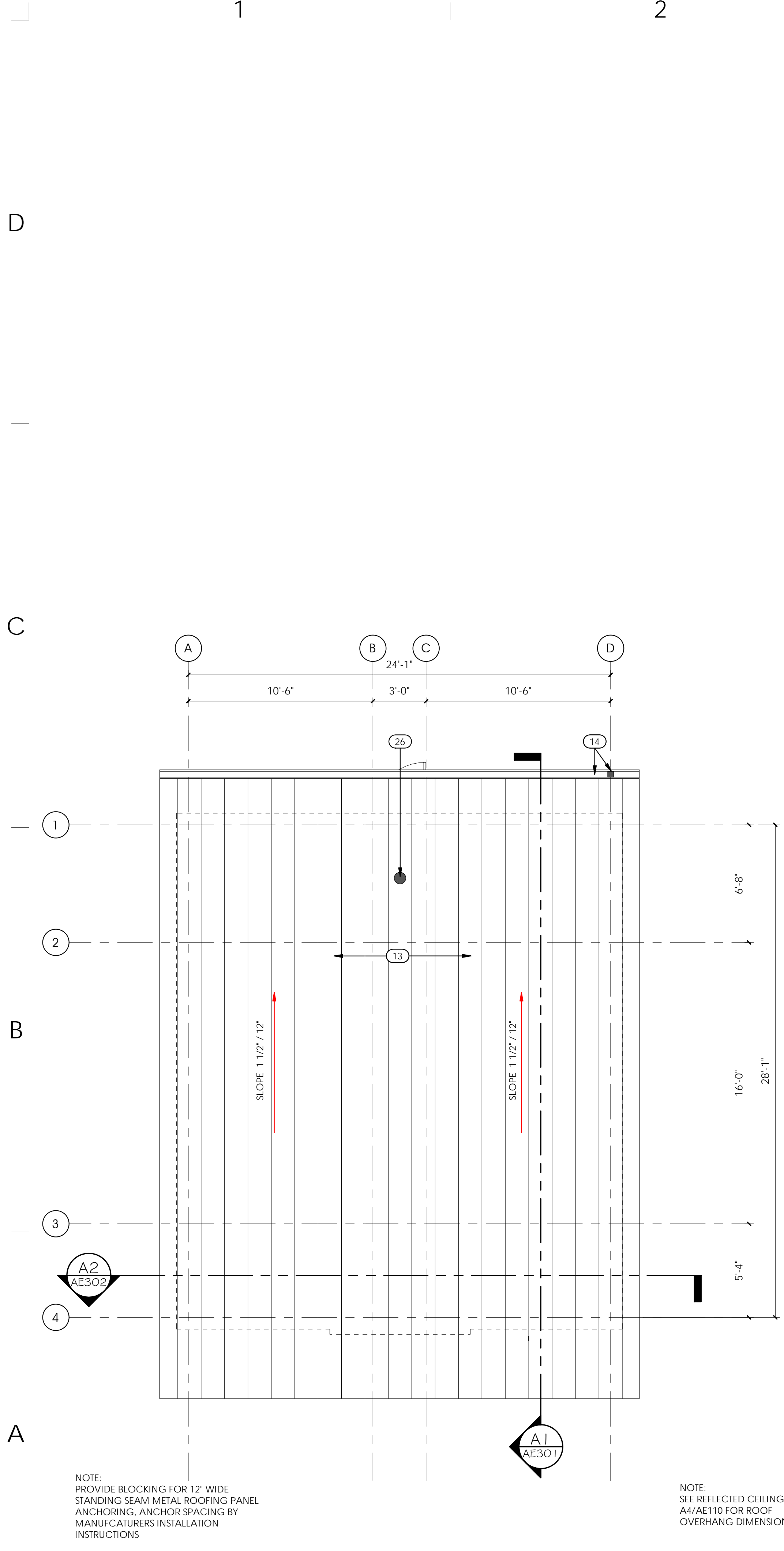
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**AS-101**



**A4** SITE PLAN - NORTH BLDG  
1/8" = 1'-0"

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**GENERAL NOTES AND LEGEND:**

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- SEE TITLE SHEET FOR DRAWING INDEX.
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**KEYED NOTES:**

- 1 8X8X16 CMU WALL W/ BLOCK FILLER & EPOXY PAINTED CHASE SIDES.
- 2 ACCESSIBLE LAVATORY.
- 3 6X8X16 CMU WALL W/ BLOCK FILLER & EPOXY PAINTED ALL SIDES.
- 4 BRADLEY STAINLESS STEEL ADA ELEC HAND DRYER O.A.E., PROVIDE A 18"x24" 16 GA. STAINLESS STEEL MOUNTING PLATE BEHIND DRYER. SEE ELECTRICAL DRAWINGS.
- 5 3/4" RADIUS BULLNOSE @ CMU OUTSIDE CORNERS, TYP @ INTERIOR CMU.
- 6 SLOPE TO DRAIN, TYP.
- 7 CONTROL JOINT.
- 8 TOILET PAPER DISPENSER, SEE DETAIL C3/AE410
- 9 MASONRY CONTROL JOINT, TYP.
- 10 WALL MOUNTED WATER CLOSET. PROVIDE SILICONE SEALANT AROUND LARGE FLUSH-VALVES.
- 11 URINAL. PROVIDE SILICONE SEALANT AROUND LARGE FLUSH-VALVES.
- 12 FLOOR DRAIN, COORDINATE WITH PLUMBING DRAWINGS.
- 13 STANDING SEAM METAL ROOFING OVER HIGH TEMPERATURE ICE AND WATER SHIELD, NAIL BOARD AND INSULATION. SEE D1/AE301
- 14 PRE-FINISHED METAL GUTTER AND DOWNSPOUT.
- 15 8X8X16 STACK BOND TRIPLE SCORE FACE CMU BLOCK, PROVIDE BLOCK FILLER ON INSIDE FACE WITH EPOXY PAINT. PROVIDE PROSOCO BLOK-GUARD @ ANTI GRAFFITI WATER REPELLENT AT EXTERIOR CMU
- 16 8X8X16 STACK BOND HONED FACE CMU BLOCK, PROVIDE BLOCK FILLER ON INSIDE FACE WITH EPOXY PAINT. PROVIDE PROSOCO BLOK-GUARD @ ANTI GRAFFITI WATER REPELLENT AT EXTERIOR CMU
- 17 HEAVY DUTY HOLLOW METAL DOOR AND FRAME, GALVANIZED & PAINT. SEE EXTERIOR FINISH LEGEND, PT4
- 18 8X12X16 STACK BOND TRIPLE SCORE FACE CMU BLOCK, PROVIDE BLOCK FILLER ON INSIDE FACE WITH EPOXY PAINT. PROVIDE PROSOCO BLOK-GUARD @ ANTI GRAFFITI WATER REPELLENT AT EXTERIOR CMU
- 19 EXTERIOR RATED HI LO DRINKING FOUNTAIN, WITH STAINLESS STEEL MOUNTING/SPLASH PLATE.
- 20 ALUM. THRESHOLD IN CONT BED OF SEALANT, SEE DOOR HARDWARE SPEC.
- 21 STEEL PARTITION DOOR AND FRAME.
- 22 42" S.S. GRABBAR
- 23 18" S.S. VERT. GRABBAR
- 24 36" S.S. GRABBAR
- 25 SURFACE MOUNTED FIRE EXTINGUISHER.
- 26 EXHAUST FAN WEATHER CAP
- 27 HOSE BIB RECESSED INTO CMU WALL WITH KEYPED PANEL. SEE PLUMBING DRAWINGS.
- 28 4"x4" STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS

**FINISH SCHEDULE:**

- EXTERIOR**
- MR1 STANDING SEAM METAL ROOFING: TERRA COTTA (PREFINISHED)
  - MF1 FASCIA: DARK BRONZE (PREFINISHED METAL: TO MATCH ROOFING)
  - ROOF PENETRATIONS: PAINT TO MATCH ROOFING WHERE PERMITTED.
  - MS1 SOFFIT: DARK BRONZE (PREFINISHED METAL: TO MATCH ROOFING)
  - CMU1 8" CMU HONED FACE (GENEVA BROWN) - SUNROC MASONRY PRODUCTS
  - CMU2 12" CMU SCORED FACE (MOUNTAIN BROWN) - SUNROC MASONRY PRODUCTS
  - CMU3 8" CMU SCORED FACE (MOUNTAIN BROWN) - SUNROC MASONRY PRODUCTS
  - IP1 INSULATED PANEL FRAME/TRIM: DARK BRONZE
  - PT4 MISC PAINT: DARK BRONZE(HIGH PERFORMANCE) RAIN GUTTERS, DOWNSPOUTS, PRE-FIN METAL FLASHING
- INTERIOR**
- FRP1 FRP: WHITE
  - PT1 PAINT - CMU: WHITE (EPOXY)
  - PT2 PAINT - STEEL: DARK BRONZE (EPOXY)
  - PT3 PAINT - MISC: DARK BRONZE (EPOXY)
  - PT4 PAINT - STEEL COLUMNS & BEAMS
  - FF1 HIGH BUILD EPOXY QUARTZ - BROADCAST FLOORING SYSTEM W/ COVERED 8" BASE COLOR S.B.A.



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AUTHORITY HAVING JURISDICTION

**PROJECT DESCRIPTION**  
 Parks & Recreation  
 2001 South State St. S4-700  
 Salt Lake City, UT 84190

**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

5051 SOUTH 4015 WEST  
 TAYLORSVILLE, UTAH

**SHEET NAME:**  
 FLOOR PLAN, ROOF PLAN & FINISH SCHEDULE

**REVISIONS**

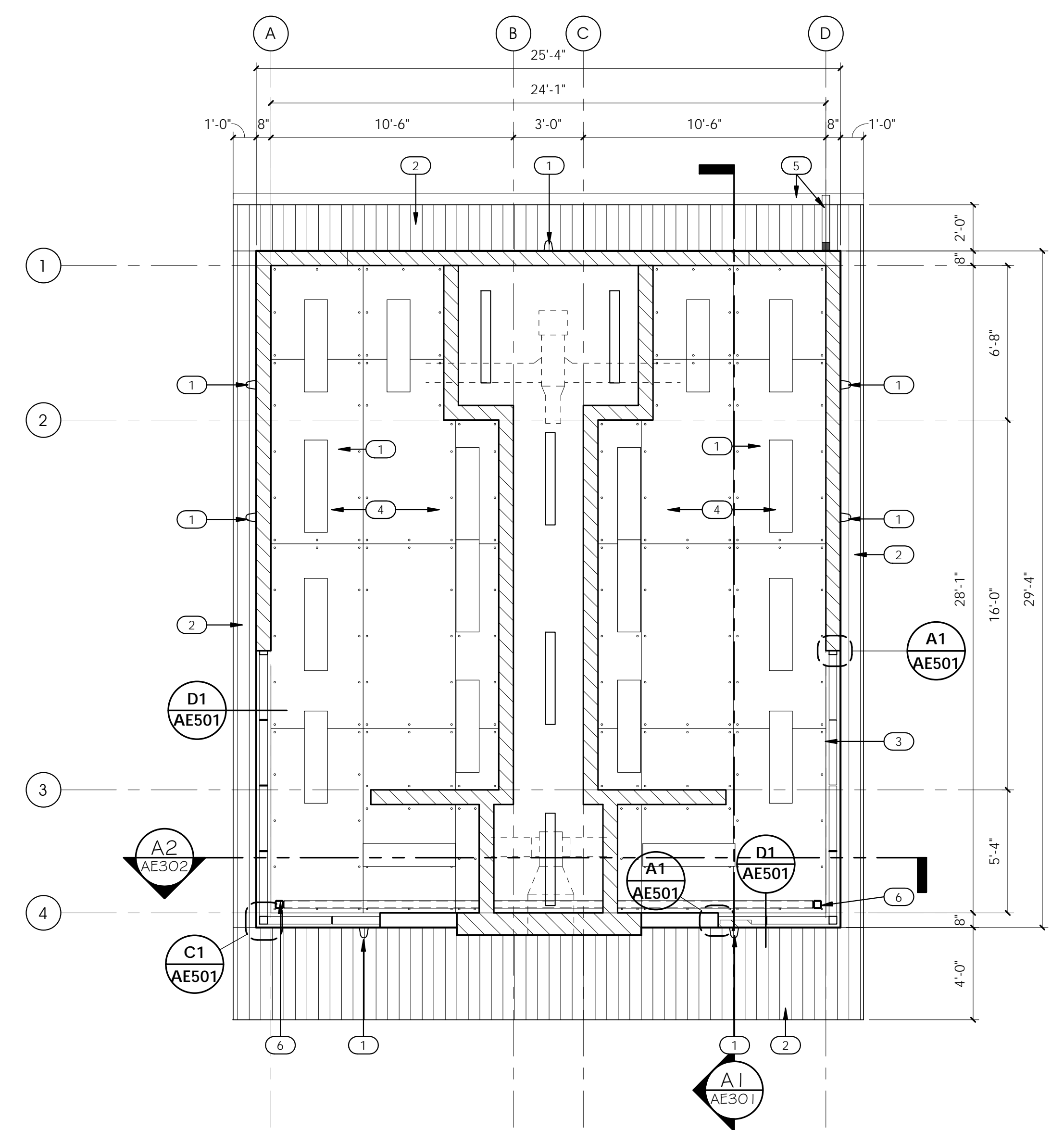
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**A4 REFLECTED CEILING PLAN**  
 1/4" = 1'-0"  
 SCALE: 1/4" = 1'-0"

**GENERAL NOTES AND LEGEND:**

- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- THIS IS A REFLECTED CEILING PLAN AND IS NOT INTENDED TO BE A LIGHTING PLAN. NO WALL MOUNTED LIGHTING FIXTURES OR OTHER WALL MOUNTED APPURTENANCES ARE SHOWN. SEE THE LIGHTING PLAN FOR ALL LIGHTING AND EGRESS SIGNS, SIZE AND TYPES OF ELECTRICAL FIXTURES ETC. SEE MECHANICAL PLANS FOR ALL CEILING MOUNTED DIFFUSERS /GRILLES ETC.

**KEYED NOTES:**

- 1 LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- 2 PREFINISHED METAL SOFFIT, COLOR TO MATCH ROOF PANELS.
- 3 TRANSLUCENT INSULATED FIBERGLASS PANEL SYSTEM.
- 4 4'X8' FRP W/ PAN HEAD FASTENERS & ADHESIVE. MECHANICAL FASTENERS TO ALIGN THROUGHOUT CEILING. ENCLOSURE PIECES AT ALL EDGES OVER 3/4" PLYWOOD.
- 5 PRE-FINISHED METAL GUTTER AND DOWNSPOUT.
- 6 4'X4' STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS.

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**PROJECT DESCRIPTION**  
 Parks & Recreation  
 2001 South State St. S4-700  
 Salt Lake City, UT 84190

**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

**5051 SOUTH 4015 WEST TAYLORSVILLE, UTAH**

**SHEET NAME:**  
 REFLECTED CEILING PLAN

**REVISIONS**

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 PROJECT#: 1930.01

SHEET NUMBER:

**AE110**

### FINISH SCHEDULE:

EXTERIOR	
MR1	STANDING SEAM METAL ROOFING; TERRA COTTA (PREFINISHED)
MF1	FASCIA: DARK BRONZE (PREFINISHED METAL; TO MATCH ROOFING)
	ROOF PENETRATIONS: PAINT TO MATCH ROOFING WHERE PERMITTED.
MS1	SOFFIT: DARK BRONZE (PREFINISHED METAL; TO MATCH ROOFING)
CMU1	8" CMU HONED FACE (GENEVA BROWN) - SUNROC MASONRY PRODUCTS
CMU2	12" CMU SCORED FACE (MOUNTAIN BROWN) - SUNROC MASONRY PRODUCTS
CMU3	8" CMU SCORED FACE (MOUNTAIN BROWN) - SUNROC MASONRY PRODUCTS
IP1	INSULATED PANEL FRAME/TRIM: DARK BRONZE
PT4	MISC PAINT: DARK BRONZE(HIGH PERFORMANCE) RAIN GUTTERS, DOWNSPOUTS, PRE-FIN METAL FLASHING
INTERIOR	
FRP1	FRP: WHITE
PT1	PAINT - CMU: WHITE (EPOXY)
PT2	PAINT - STEEL: DARK BRONZE (EPOXY)
PT3	PAINT - MISC: DARK BRONZE (EPOXY)
PT4	PAINT - STEEL COLUMNS & BEAMS
FF1	HIGH BUILD EPOXY QUARTZ - BROADCAST FLOORING SYSTEM W/ COVED 8" BASE COLOR S.B.A.

### KEYED NOTES:

- 1 LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
- 2 LINE OF FINISH GRADE, SLOPE AWAY FROM BUILDING.
- 3 EXPOSED CONCRETE FOUNDATION WALL, PROVIDE ARCHITECTURAL RUBBED FINISH, WATER REPELLENT @ EXTERIOR, EPOXY FLOORING BASE @ INTERIOR.
- 4 REINFORCED CONCRETE FOOTING AND FOUNDATION SEE STRUCTURAL DRAWINGS
- 5 CUSTOM DOOR LOCK, SEE DETAIL A3/AE501
- 6 PREFINISHED METAL SOFFIT, COLOR TO MATCH ROOF PANELS.
- 7 8X8X16 STACK BOND HONED FACE CMU BLOCK, PROVIDE BLOCK FILLER ON INSIDE FACE WITH EPOXY PAINT, PROVIDE PROSOCO BLOK-GUARD @ ANTI GRAFITTI WATER REPELLENT AT EXTERIOR CMU
- 8 PRE-FINISHED METAL FASCIA PANEL TO MATCH ROOFING WITH LOCKSEAM JOINTS.
- 9 8X12X16 STACK BOND TRIPLE SCORE FACE CMU BLOCK, PROVIDE BLOCK FILLER ON INSIDE FACE WITH EPOXY PAINT, PROVIDE PROSOCO BLOK-GUARD @ ANTI GRAFITTI WATER REPELLENT AT EXTERIOR CMU
- 10 4" BREAK METAL REVEAL , PRE-FINISHED TO MATCH FASCIA AND SOFFIT.
- 11 SIGNAGE, SEE DETAIL C4/AE501, RECESS INTO MASONRY.
- 12 PRE-FINISHED METAL MECHANICAL LOUVER, TO MATCH EXTERIOR METAL.
- 13 S.S. PUSH PLATE.
- 14 PRE-FINISHED METAL GUTTER AND DOWNSPOUT.
- 15 STANDING SEAM METAL ROOFING OVER HIGH TEMPERATURE ICE AND WATER SHIELD, NAIL BOARD AND INSULATION, SEE D1/AE301
- 16 8X8X16 STACK BOND TRIPLE SCORE FACE CMU BLOCK, PROVIDE BLOCK FILLER ON INSIDE FACE WITH EPOXY PAINT, PROVIDE PROSOCO BLOK-GUARD @ ANTI GRAFITTI WATER REPELLENT AT EXTERIOR CMU
- 17 HEAVY DUTY HOLLOW METAL DOOR AND FRAME, GALVANIZED & PAINT, SEE EXTERIOR FINISH LEGEND, PT4
- 18 MASONRY CONTROL JOINT, TYP.
- 19 TRANSLUCENT INSULATED FIBERGLASS PANEL SYSTEM.
- 20 PRECAST CONCRETE WINDOW SILL AT WINDOW SYSTEM. PROVIDE CONT. WRAP-AROUND CORNER SILL, TYP. AT ALL CORNERS.
- 21 EXTERIOR RATED HI LO DRINKING FOUNTAIN, WITH STAINLESS STEEL MOUNTING/SPLASH PLATE.
- 22 SIGNAGE

### GENERAL NOTES AND LEGEND:

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
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 TAYLORSVILLE, UTAH

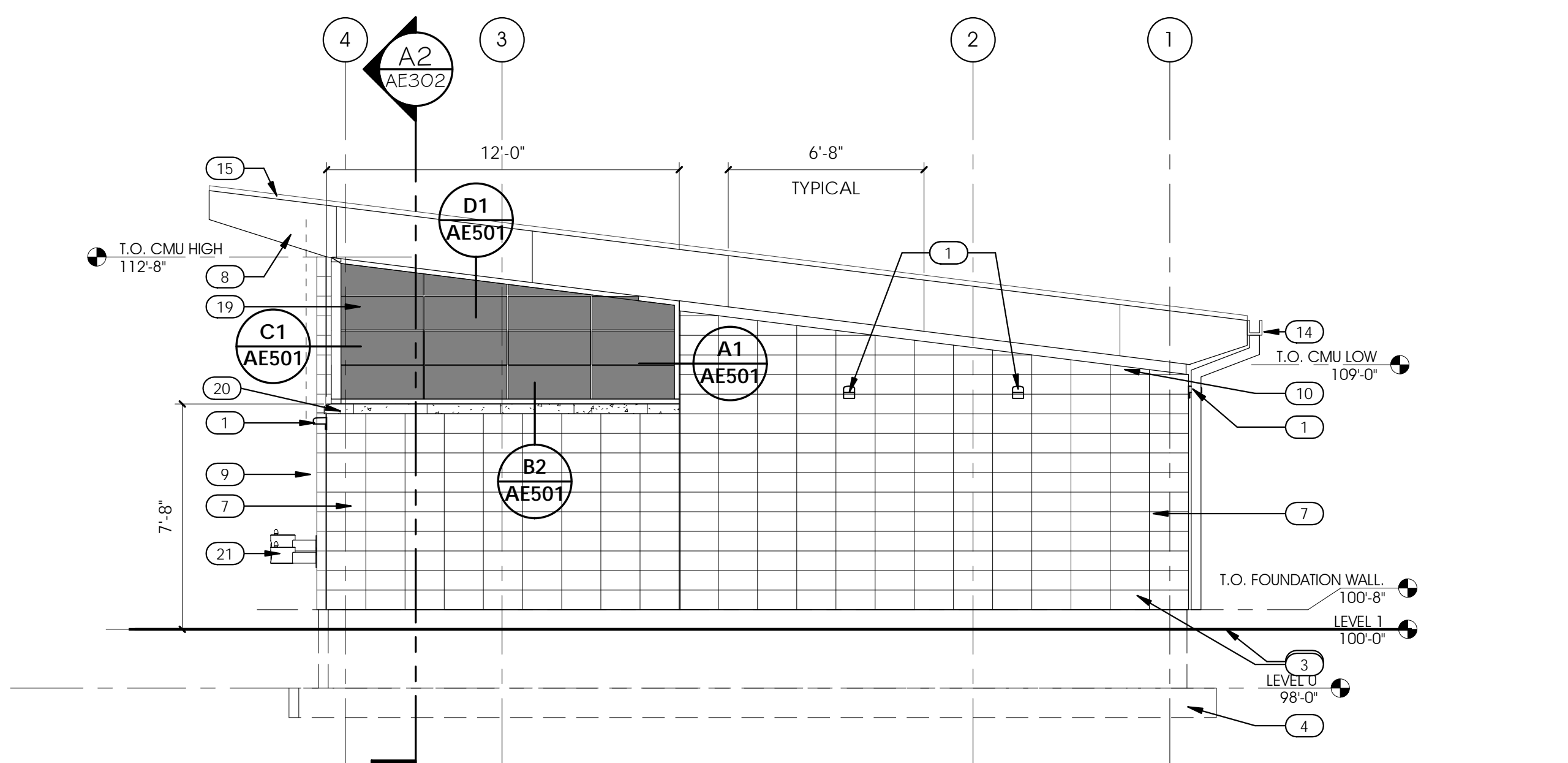
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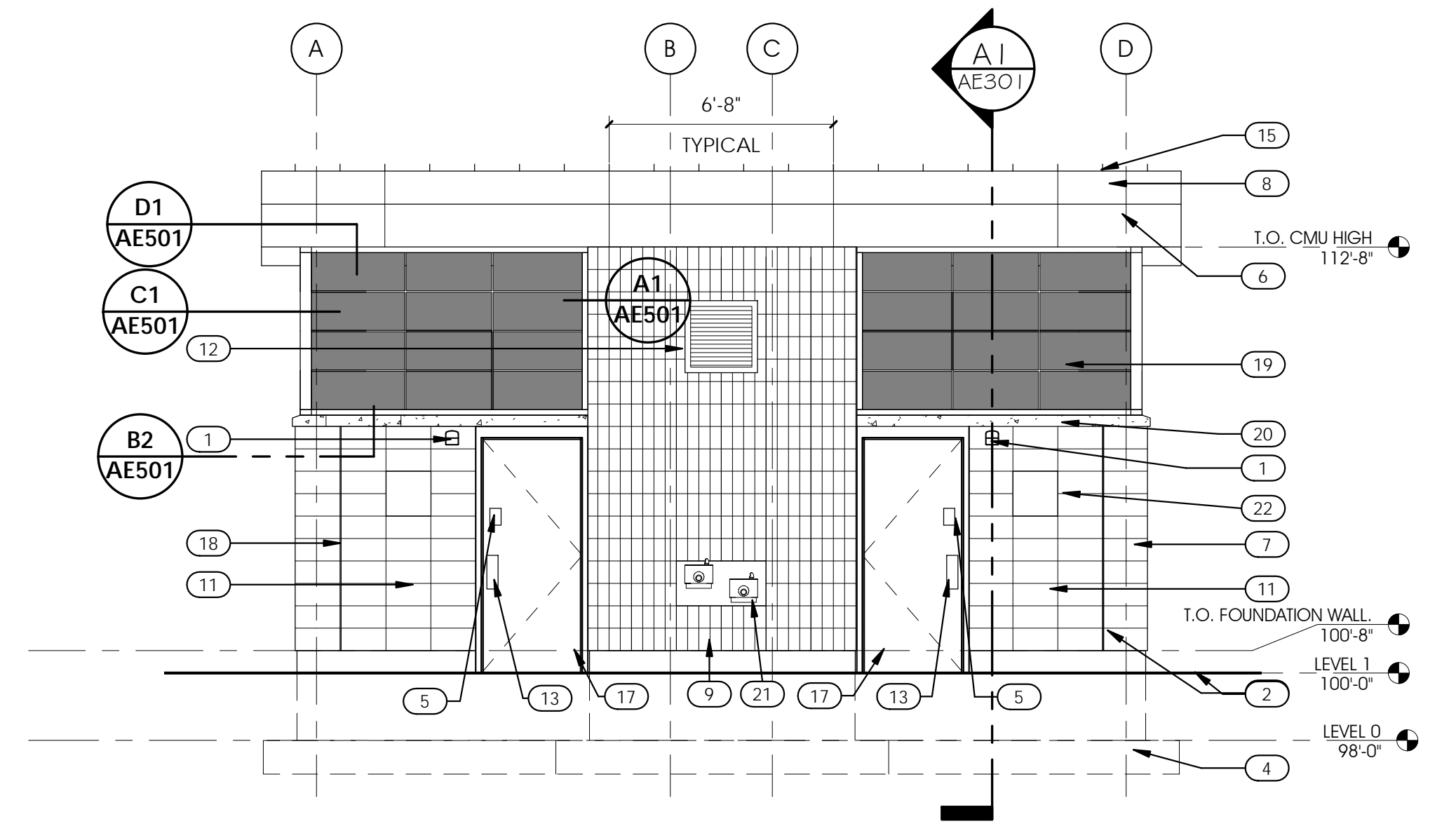
SHEET NUMBER:

**AE201**



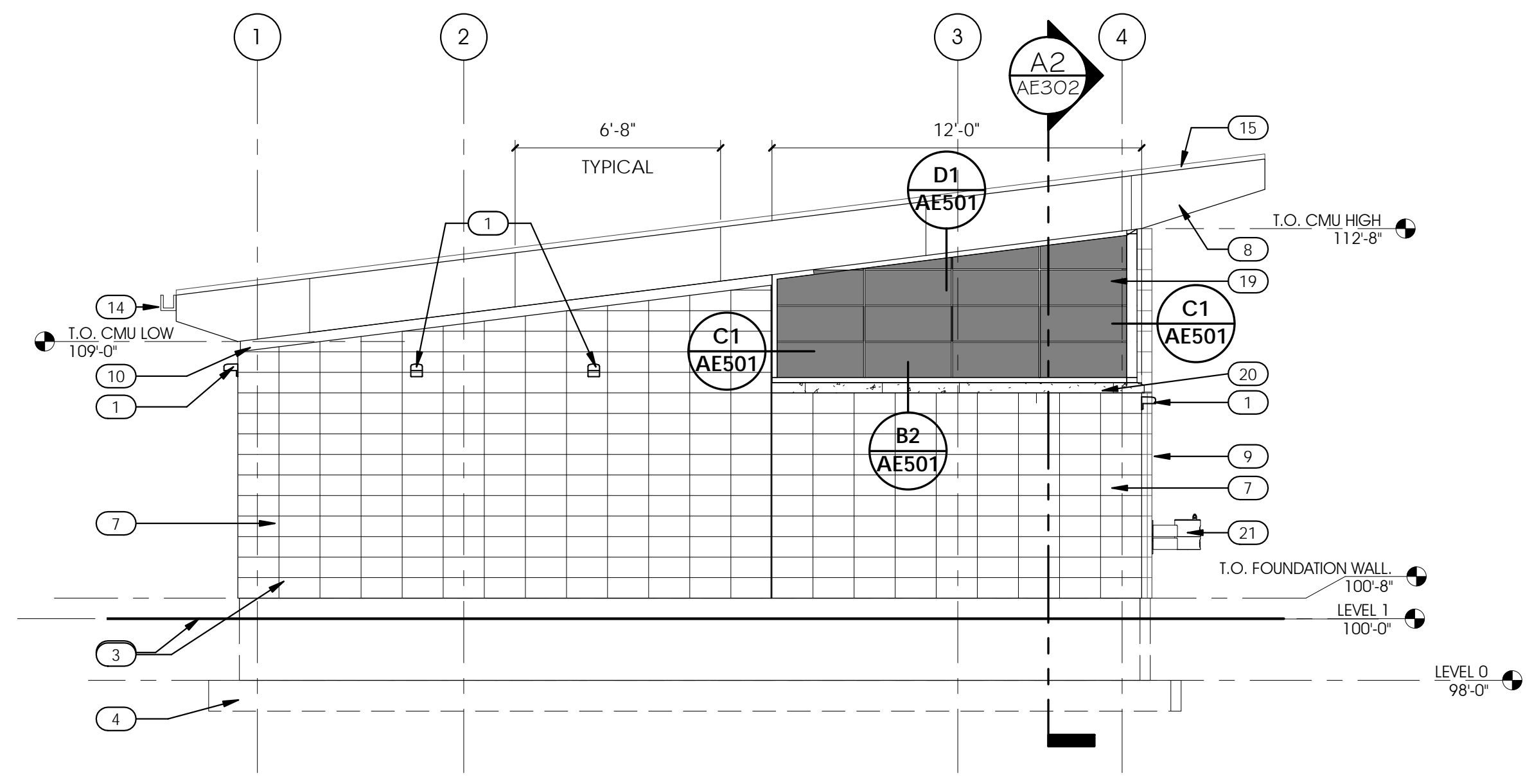
**C3 RIGHT SIDE ELEVATION**  
 1/4" = 1'-0"

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



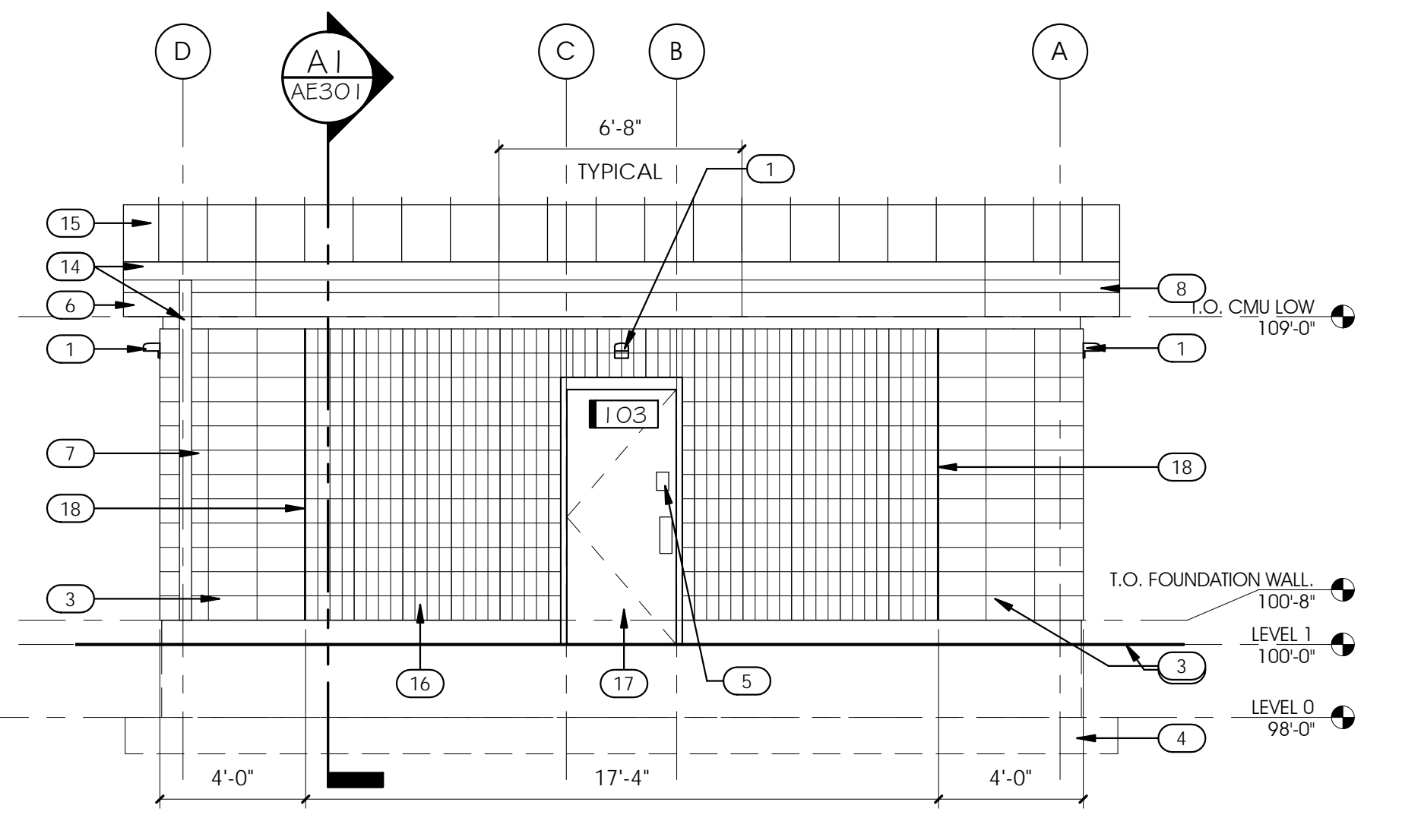
**C5 FRONT ELEVATION**  
 1/4" = 1'-0"

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



**A3 LEFT SIDE ELEVATION**  
 1/4" = 1'-0"

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

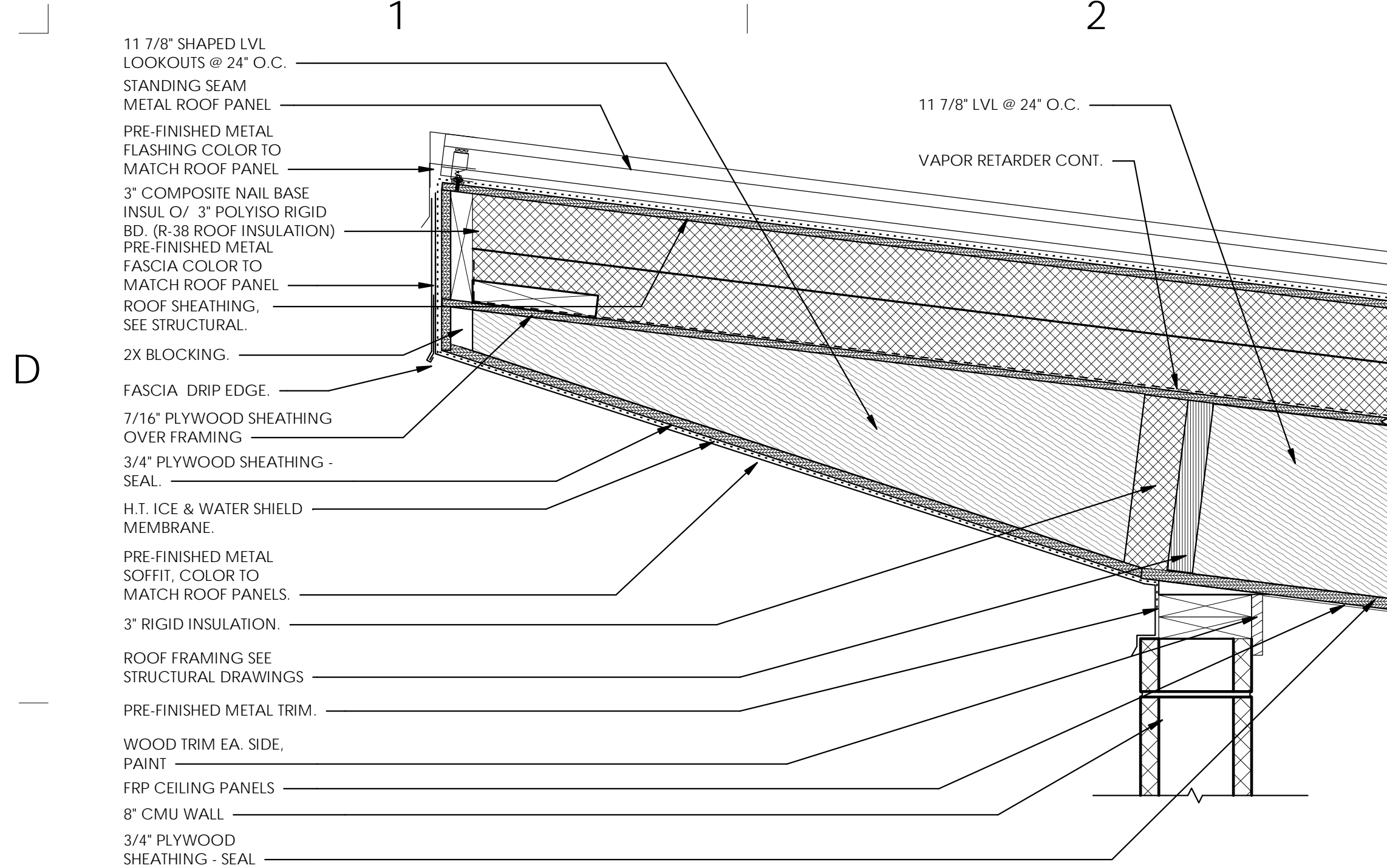


**A5 BACK ELEVATION**  
 1/4" = 1'-0"

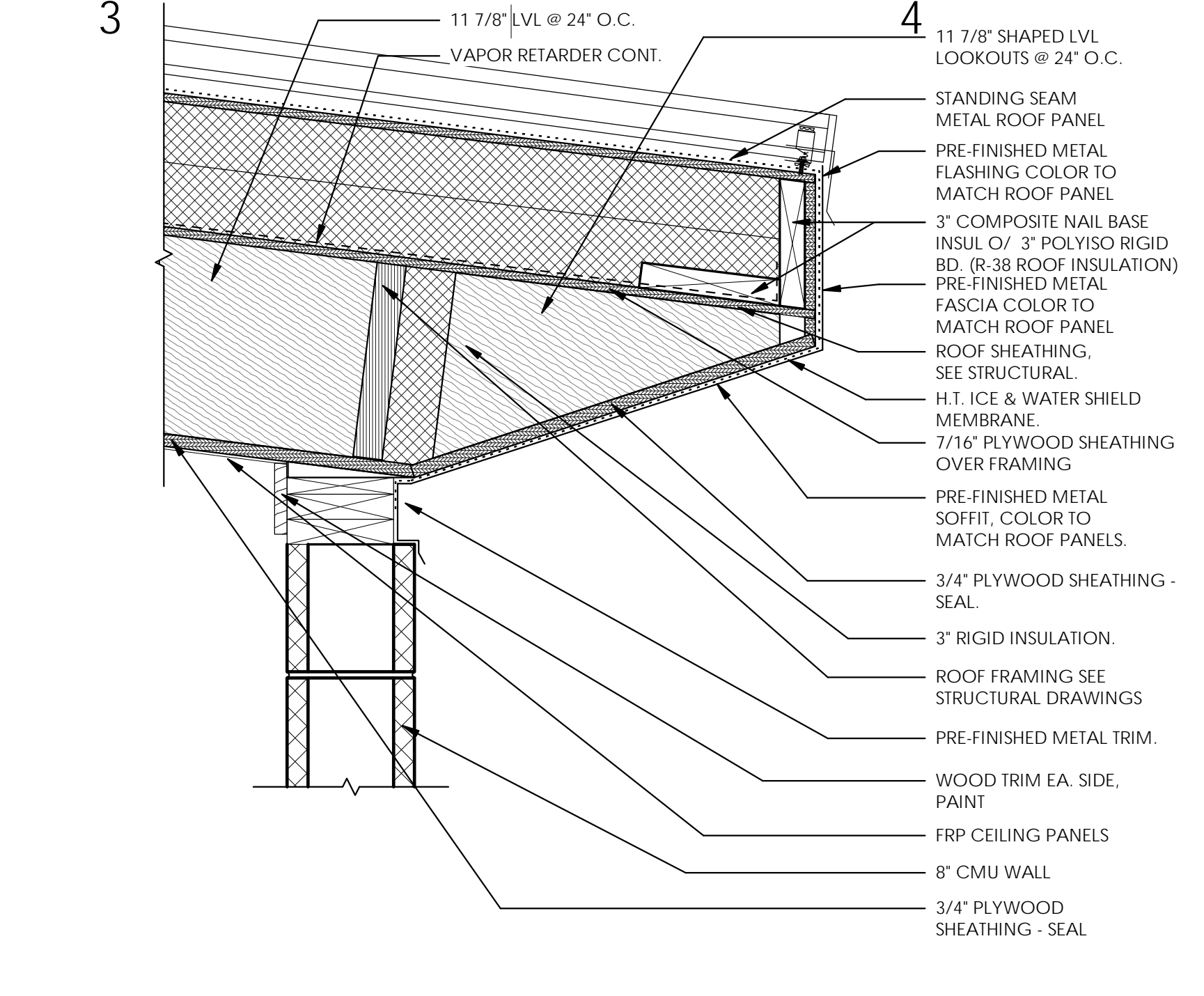
SCALE : 1/4" = 1'-0"

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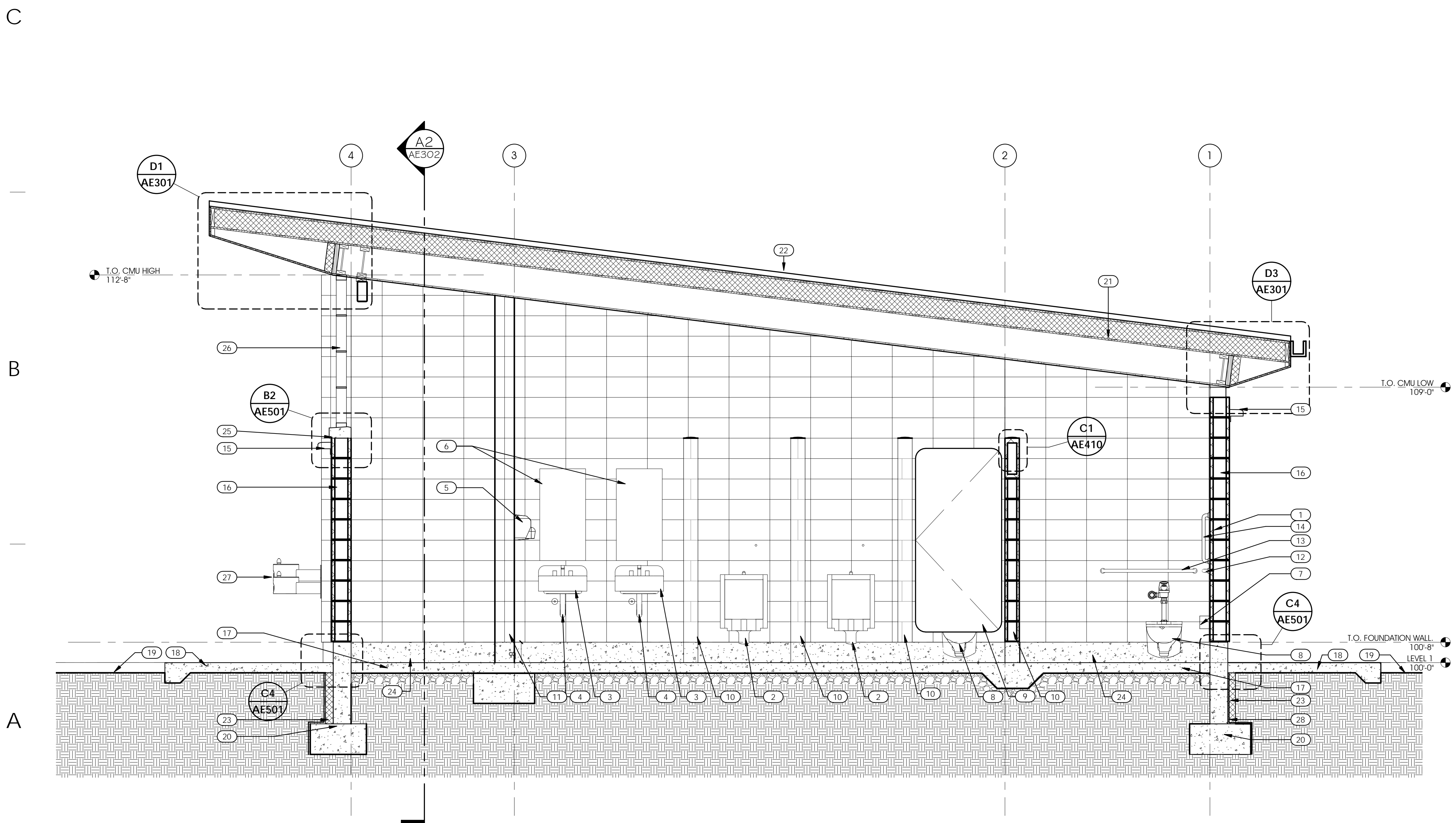
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**D1 ROOF DETAIL 5**  
1 1/2" = 1'-0"



**D3 ROOF DETAIL 6**  
1 1/2" = 1'-0"



**A1 BUILDING SECTION**  
1/2" = 1'-0"

**GENERAL NOTES AND LEGEND:**

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

**KEYED NOTES:**

- 8" REINFORCED CMU WALL. SEE FINISH SCHEDULE
- URINAL. PROVIDE SILICONE SEALANT AROUND LARGE FLUSH-VALVES.
- ACCESSIBLE LAVATORY.
- ADA INSULATED PIPE WRAP.
- BRADLEY STAINLESS STEEL ADA ELEC HAND DRYER O.A.E., PROVIDE A 18"X24" 16 GA. STAINLESS STEEL MOUNTING PLATE BEHIND DRYER. SEE ELECTRICAL DRAWINGS.
- VANDAL RESISTANT S.S. MIRROR 24" X 36"
- TOILET PAPER DISPENSER. SEE DETAIL C3/AE410
- WALL MOUNTED WATER CLOSET. PROVIDE SILICONE SEALANT AROUND LARGE FLUSH-VALVES.
- DIAMOND PLATE STEEL PANEL PARTITION DOOR AND FRAME WITH 4" RADIUS CORNERS.
- 6X8X16 CMU WALL W/ BLOCK FILLER & EPOXY PAINTED ALL SIDES.
- 8X8X16 CMU WALL W/ BLOCK FILLER & EPOXY PAINTED CHASE SIDES.
- 42" S.S. GRABBAR
- 36" S.S. GRABBAR
- 18" S.S. VERT. GRABBAR
- LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- 8X8X16 STACK BOND HONED FACE CMU BLOCK. PROVIDE BLOCK FILLER ON INSIDE FACE WITH EPOXY PAINT. PROVIDE PROSO CO BLOK-GUARD @ ANTI GRAFFITI WATER REPELLENT AT EXTERIOR CMU
- CONCRETE FLOOR SLAB OVER FREE DRAINAGE GRAVEL
- CONCRETE SIDEWALK SLAB. SLOPE AWAY FROM BUILDING 2%
- LINE OF FINISH GRADE. SLOPE AWAY FROM BUILDING.
- REINFORCED CONCRETE FOOTING AND FOUNDATION SEE STRUCTURAL DRAWINGS.
- ROOF JOISTS. SEE STRUCTURAL
- STANDING SEAM METAL ROOFING OVER HIGH TEMPERATURE ICE AND WATER SHIELD, NAIL BOARD AND INSULATION. SEE D1/AE301
- XPS FOUNDATION INSULATION CONT., W/ DRAINAGE & PROTECTION BD.
- EPOXY FLOORING. CONTINUE UP 8" CONC BASE.
- PRECAST CONCRETE WINDOW SILL AT WINDOW SYSTEM. PROVIDE CONT. WRAP-AROUND CORNER SILL, TYP. AT ALL CORNERS.
- TRANSLUCENT INSULATED FIBERGLASS PANEL SYSTEM.
- EXTERIOR RATED HI LO DRINKING FOUNTAIN, WITH STAINLESS STEEL MOUNTING/SPLASH PLATE.
- DAMP-PROOFING CONT BELOW GRADE.

**FINISH SCHEDULE:**

<b>EXTERIOR</b>	
MR1	STANDING SEAM METAL ROOFING: TERRA COTTA (PREFINISHED)
MF1	FASCIA: DARK BRONZE (PREFINISHED METAL: TO MATCH ROOFING) ROOF PENETRATIONS: PAINT TO MATCH ROOFING WHERE PERMITTED.
MS1	SOFFIT: DARK BRONZE (PREFINISHED METAL: TO MATCH ROOFING)
CMU1	8" CMU HONED FACE (GENEVA BROWN) - SUNROC MASONRY PRODUCTS
CMU2	12" CMU SCORED FACE (MOUNTAIN BROWN) - SUNROC MASONRY PRODUCTS
CMU3	8" CMU SCORED FACE (MOUNTAIN BROWN) - SUNROC MASONRY PRODUCTS
IP1	INSULATED PANEL FRAME/TRIM: DARK BRONZE
PT4	MISC PAINT: DARK BRONZE(HIGH PERFORMANCE) RAIN GUTTERS, DOWNSPOUTS, PRE-FIN METAL FLASHING
<b>INTERIOR</b>	
FRP1	FRP: WHITE
PT1	PAINT - CMU: WHITE (EPOXY)
PT2	PAINT - STEEL: DARK BRONZE (EPOXY)
PT3	PAINT - MISC: DARK BRONZE (EPOXY)
PT4	PAINT - STEEL COLUMNS & BEAMS
FF1	EPOXY FLOOR (COVERED BASE) T.B.D.

**ajc architects**

703 east 1700 south  
salt lake city, ut 84105  
ajcarchitects.com

**NOT FOR CONSTRUCTION**

ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

**PROJECT DESCRIPTION**

**SALT LAKE COUNTY** Parks & Recreation  
2001 South State St. S4-700  
Salt Lake City, UT 84190

**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

5051 SOUTH 4015 WEST  
TAYLORSVILLE, UTAH

SHEET NAME:  
**BUILDING SECTIONS**

**REVISIONS**

MARK	DATE	DESCRIPTION
	08.31.19	REVIEW SET

ISSUE DATE: **08.31.19**  
 ISSUE TYPE: **PERMIT SET**  
 DRAWN BY: **AJL**  
 CHECKED BY: **K RIGBY**  
 PROJECT#: **1930.01**

SHEET NUMBER:

**AE301**





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### FINISH SCHEDULE:

#### EXTERIOR

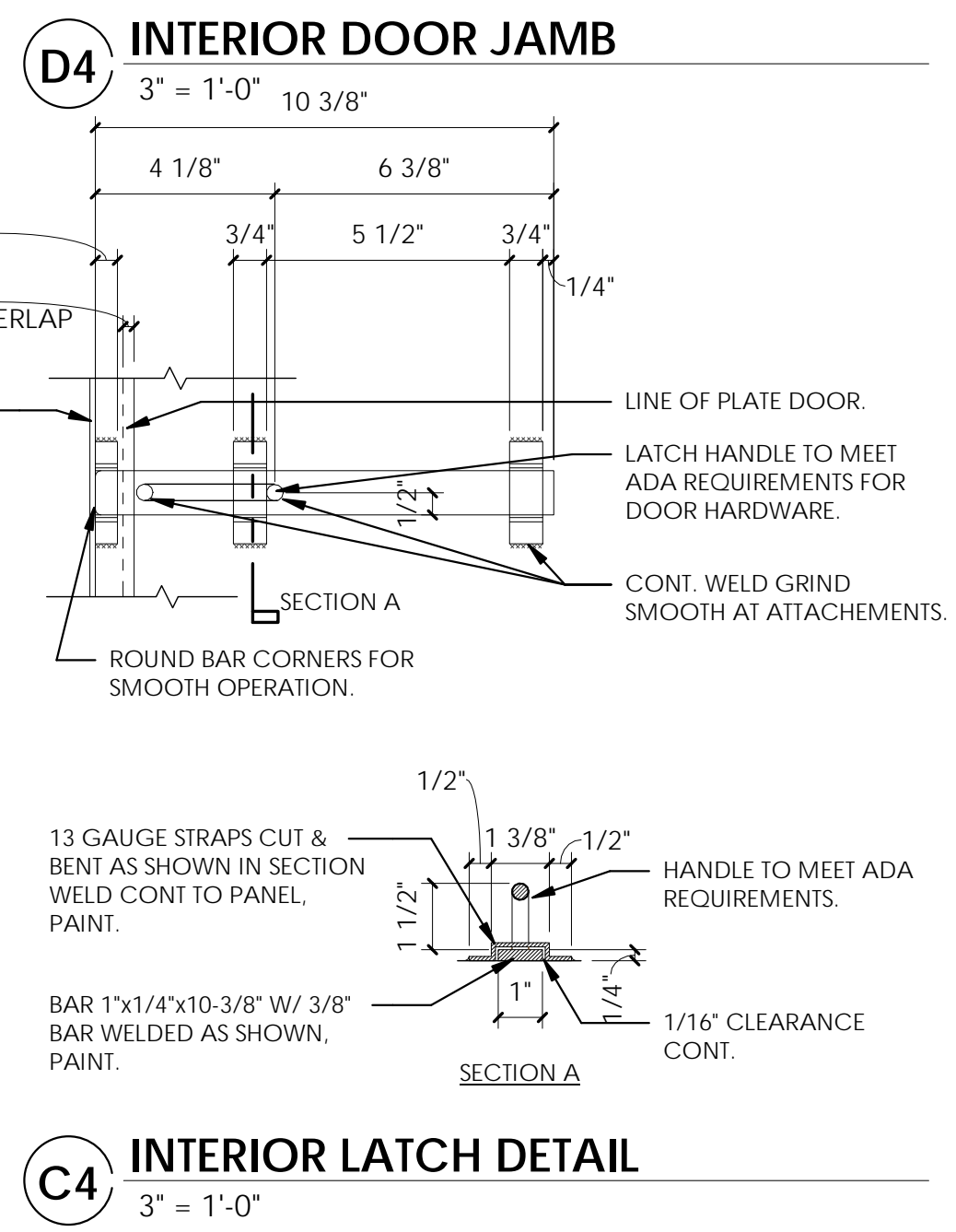
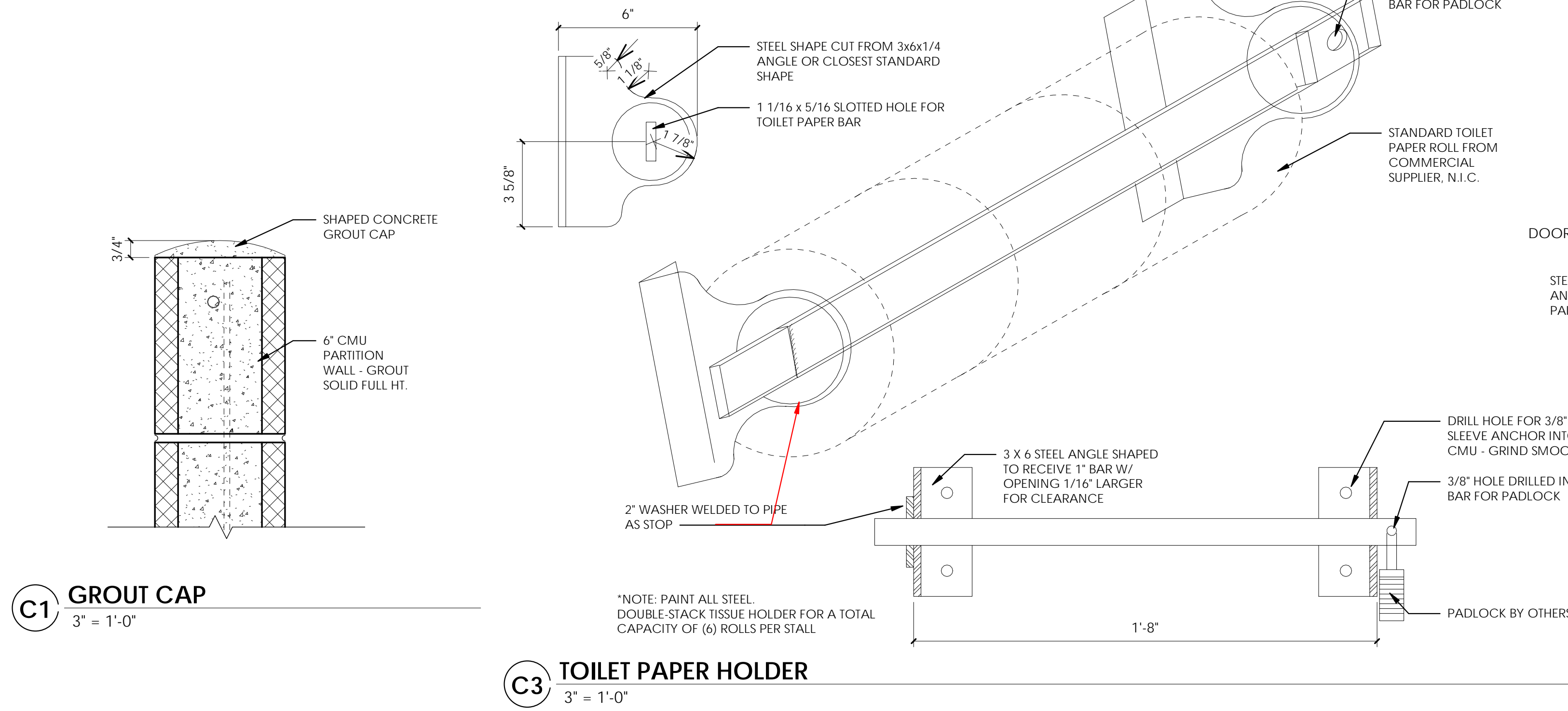
- MR1 STANDING SEAM METAL ROOFING; TERRA COTTA (PREFINISHED)
- MF1 FASCIA; DARK BRONZE (PREFINISHED METAL; TO MATCH ROOFING)
- ROOF PENETRATIONS: PAINT TO MATCH ROOFING WHERE PERMITTED.
- MS1 SOFFIT; DARK BRONZE (PREFINISHED METAL; TO MATCH ROOFING)
- CMU1 8" CMU HONED FACE (GENEVA BROWN) - SUNROC MASONRY PRODUCTS
- CMU2 12" CMU SCORED FACE (MOUNTAIN BROWN) - SUNROC MASONRY PRODUCTS
- CMU3 8" CMU SCORED FACE (MOUNTAIN BROWN) - SUNROC MASONRY PRODUCTS
- IP1 INSULATED PANEL FRAME/TRIM; DARK BRONZE
- PT4 MISC. PAINT; DARK BRONZE(HIGH PERFORMANCE) RAIN GUTTERS, DOWNSPOUTS, PRE-FIN METAL FLASHING

#### INTERIOR

- FRP1 FRP-WHITE
- PT1 PAINT - CMU-WHITE (EPOXY)
- PT2 PAINT - STEEL-DARK BRONZE (EPOXY)
- PT3 PAINT - MISC-DARK BRONZE (EPOXY)
- PT4 PAINT - STEEL COLUMNS & BEAMS
- FF1 HIGH BUILD EPOXY QUARTZ - BROADCAST FLOORING SYSTEM W/ COVED 8" BASE COLOR S.B.A.

D

C



### GENERAL NOTES AND LEGEND:

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
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### KEYED NOTES:

- 1 8X8X16 STACK BOND HONED FACE CMU BLOCK. PROVIDE BLOCK FILLER ON INSIDE FACE WITH EPOXY PAINT. PROVIDE PROSOCCO BLOK-GUARD @ ANTI GRAFITTI WATER REPELLENT AT EXTERIOR CMU
- 2 EPOXY FLOORING, CONTINUE UP 8" CONC. BASE.
- 3 BRADLEY STAINLESS STEEL ADA ELEC. HAND DRYER O.A.E.. PROVIDE A 18"X24" 16 GA. STAINLESS STEEL MOUNTING PLATE BEHIND DRYER. SEE ELECTRICAL DRAWINGS.
- 4 TOILET PAPER DISPENSER, SEE DETAIL C3/AE410
- 5 WOOD TRIM, PAINT.
- 6 18" S.S. VERT. GRABBAR
- 7 36" S.S. GRABBAR
- 8 42" S.S. GRABBAR
- 9 WALL MOUNTED WATER CLOSET. PROVIDE SILICONE SEALANT AROUND LARGE FLUSH-VALVES.
- 10 6X8X16 CMU WALL W/ BLOCK FILLER & EPOXY PAINTED ALL SIDES.
- 11 DIAMOND PLATE STEEL PANEL PARTITION DOOR AND FRAME WITH 4" RADIUS CORNERS.
- 12 ACCESSIBLE LAVATORY.
- 13 8X8X16 CMU WALL W/ BLOCK FILLER & EPOXY PAINTED CHASE SIDES.
- 14 URINAL. PROVIDE SILICONE SEALANT AROUND LARGE FLUSH-VALVES.
- 15 ADA INSULATED PIPE WRAP
- 16 VANDAL RESISTANT S.S. MIRROR 24" X 36"
- 17 8X8X16 STACK BOND TRIPLE SCORE FACE CMU BLOCK. PROVIDE BLOCK FILLER ON INSIDE FACE WITH EPOXY PAINT. PROVIDE PROSOCCO BLOK-GUARD @ ANTI GRAFITTI WATER REPELLENT AT EXTERIOR CMU
- 18 TRANSLUCENT INSULATED FIBERGLASS PANEL SYSTEM.
- 19 PRECAST CONCRETE WINDOW SILL AT WINDOW SYSTEM. PROVIDE CONT. WRAP-AROUND CORNER SILL, TYP. AT ALL CORNERS.

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 salt lake city, ut 84105  
 ajcarchitects.com

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ARCHITECT / CONSULTANT

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PROJECT DESCRIPTION  
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 2001 South State St. S4-700  
 Salt Lake City, UT 84190

**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

5051 SOUTH 4015 WEST  
 TAYLORSVILLE, UTAH

SHEET NAME:  
**INTERIOR ELEVATIONS**

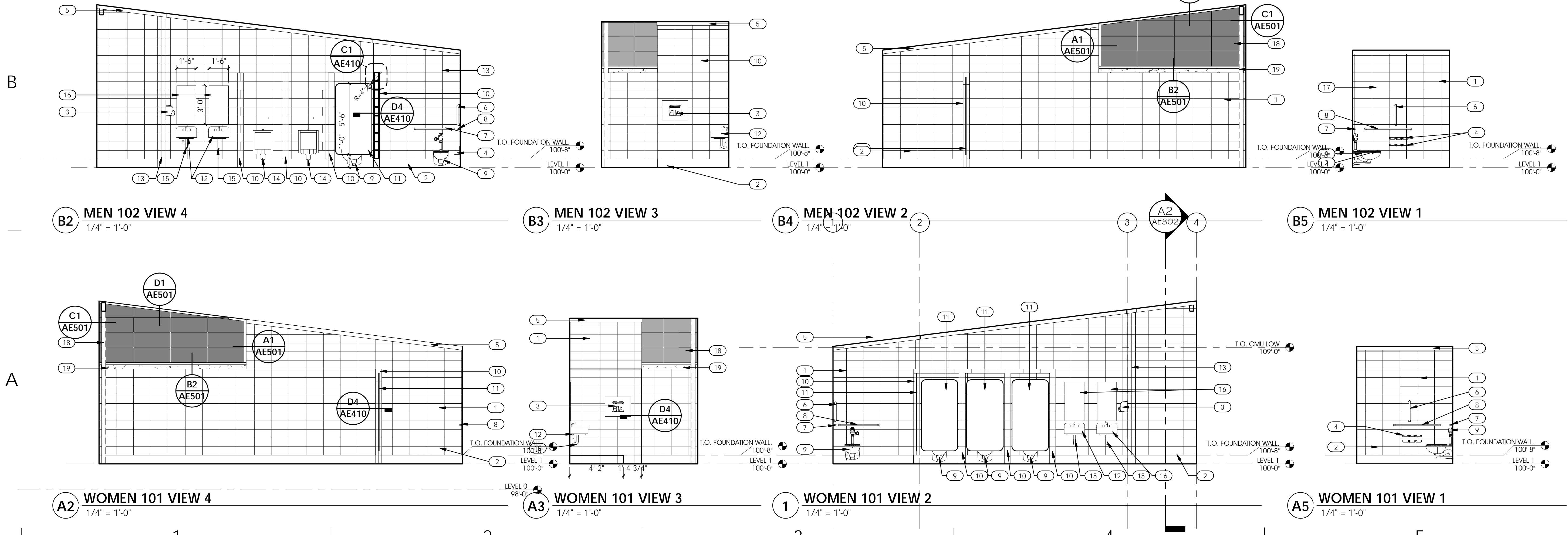
REVISIONS

MARK	DATE	DESCRIPTION
	08.31.19	REVIEW SET

ISSUE DATE: 08.31.19  
 ISSUE TYPE: PERMIT SET  
 DRAWN BY: AJL  
 CHECKED BY: K RIGBY  
 PROJECT#: 1930.01

SHEET NUMBER:

**AE410**



D

C

B

A

1

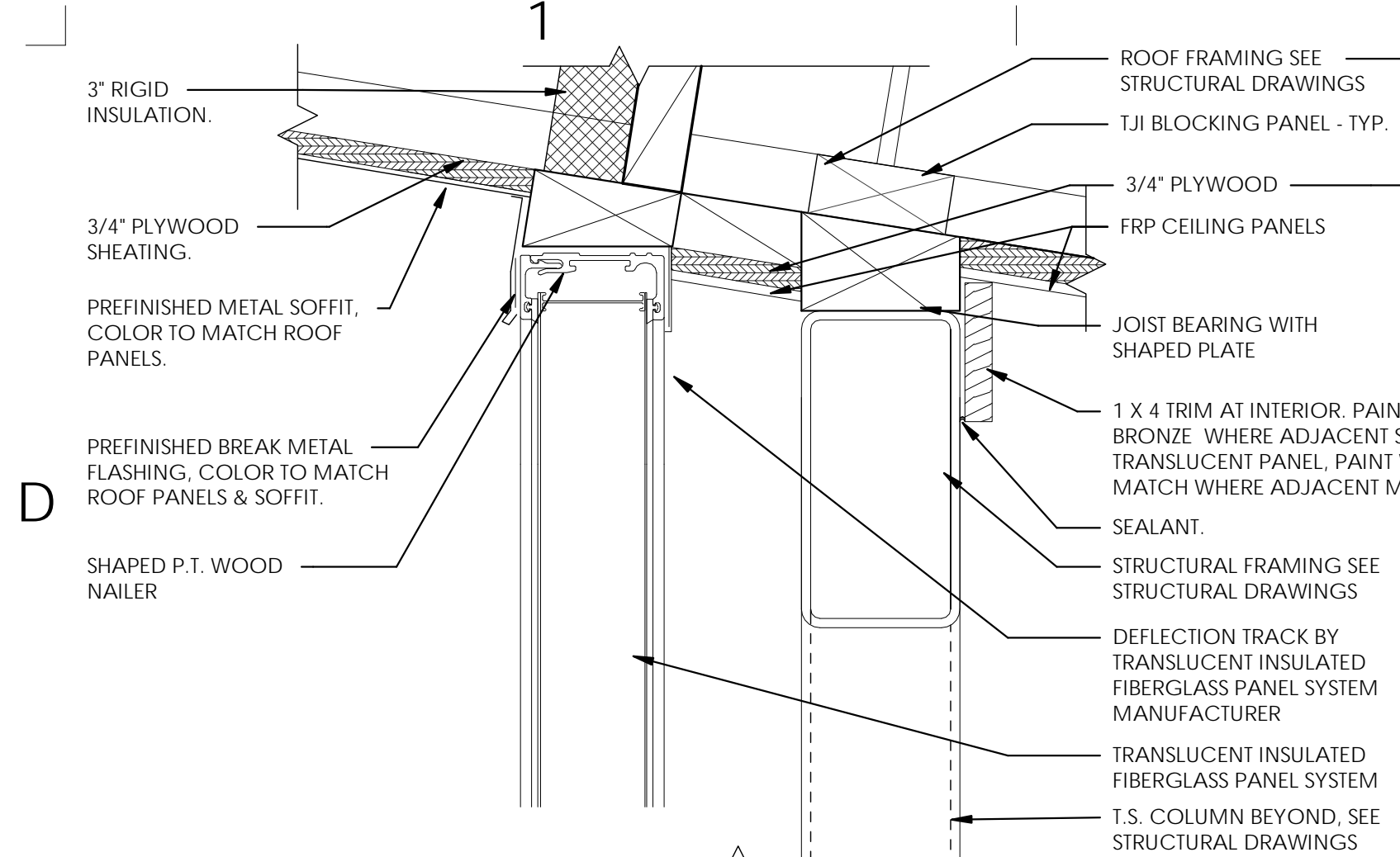
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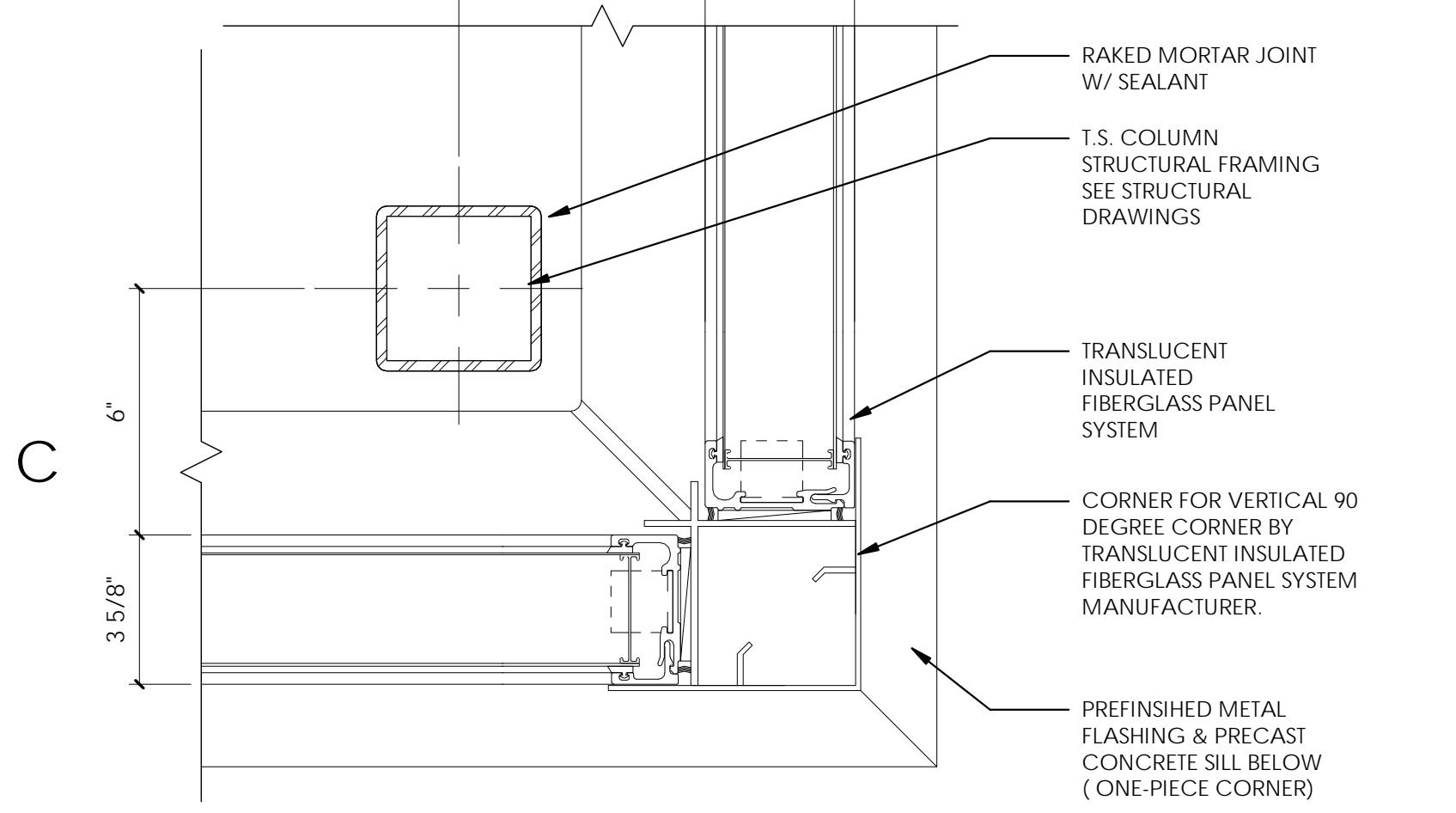
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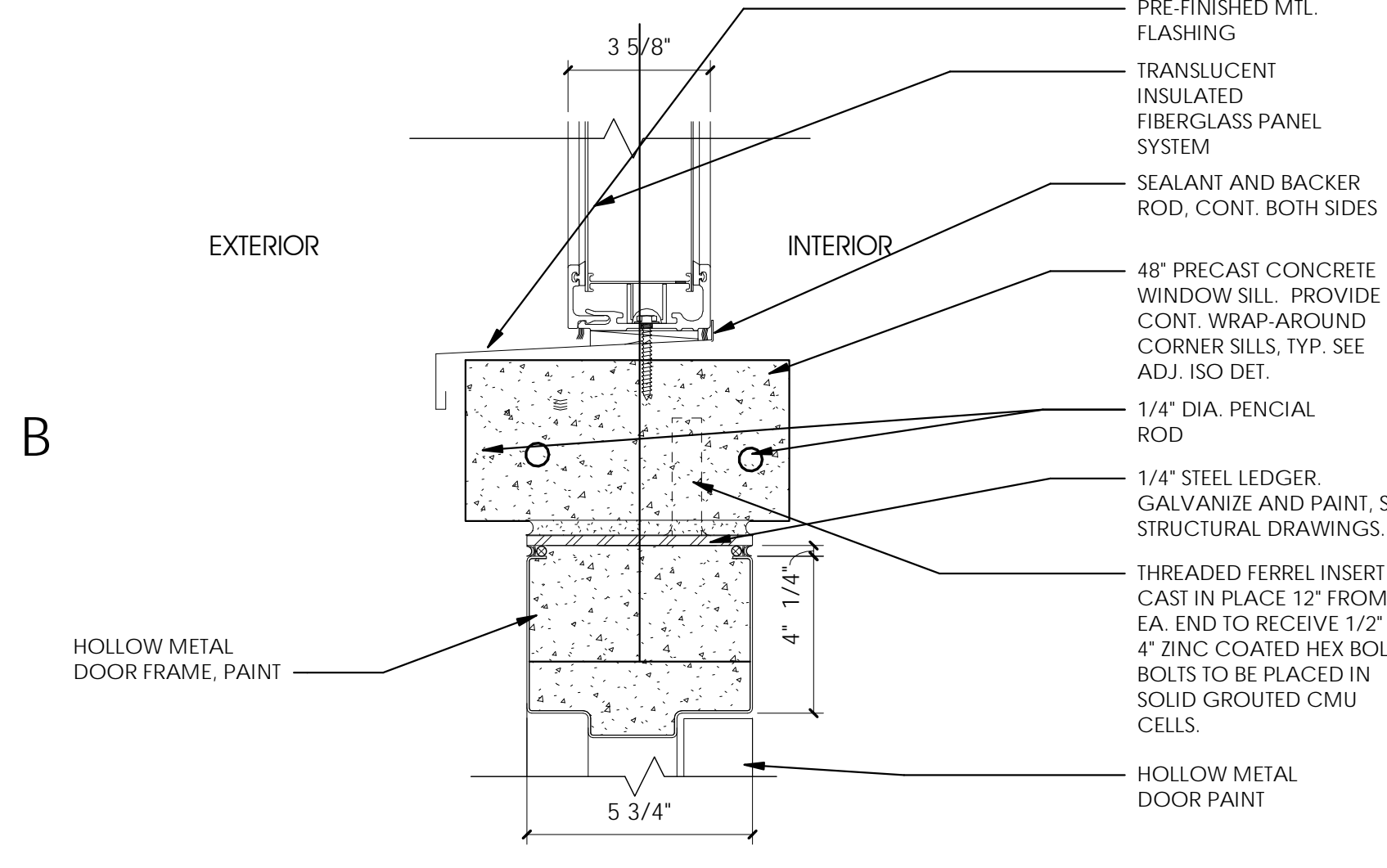
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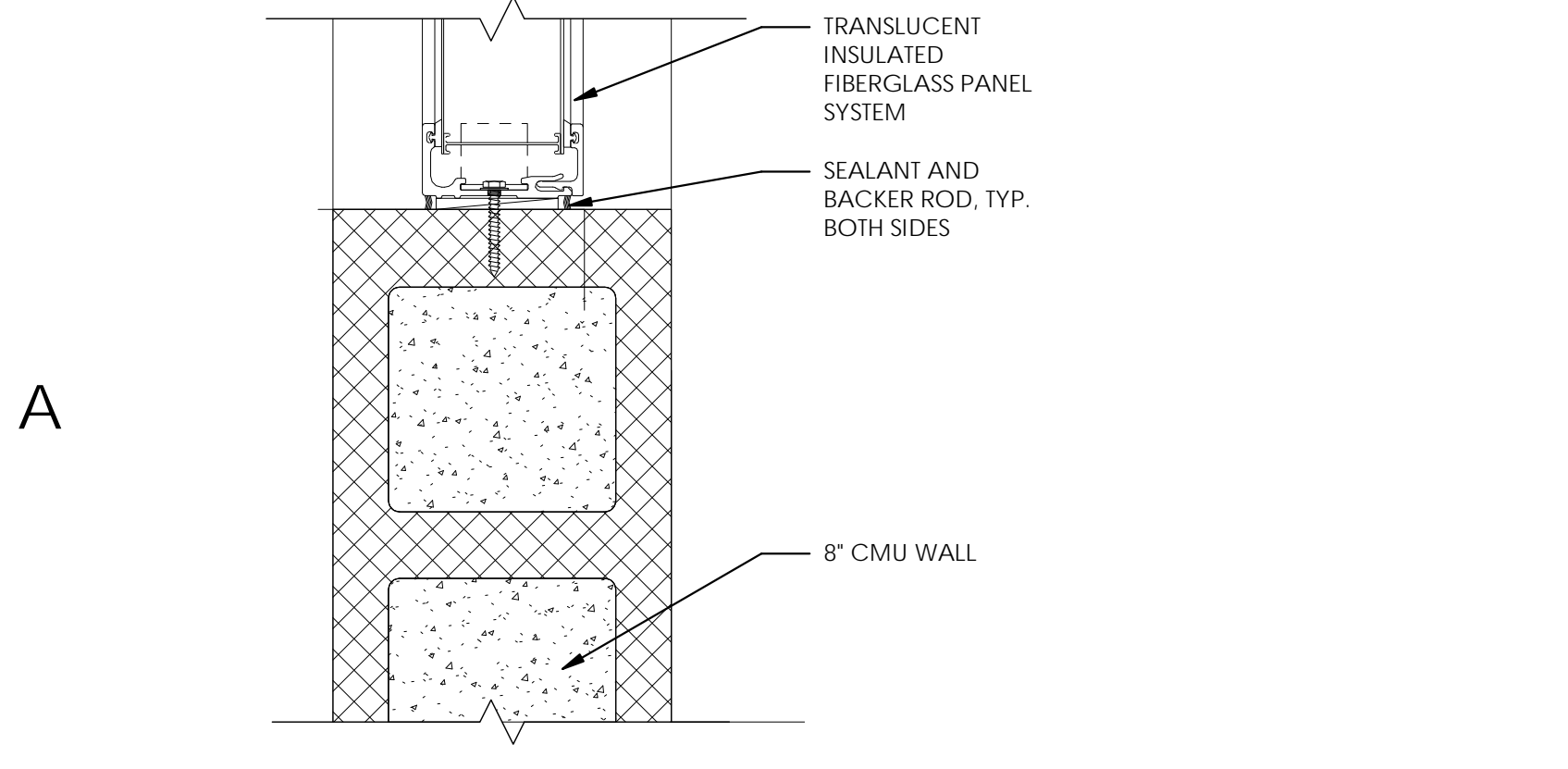
**D1 WINDOW HEAD**  
3" = 1'-0"



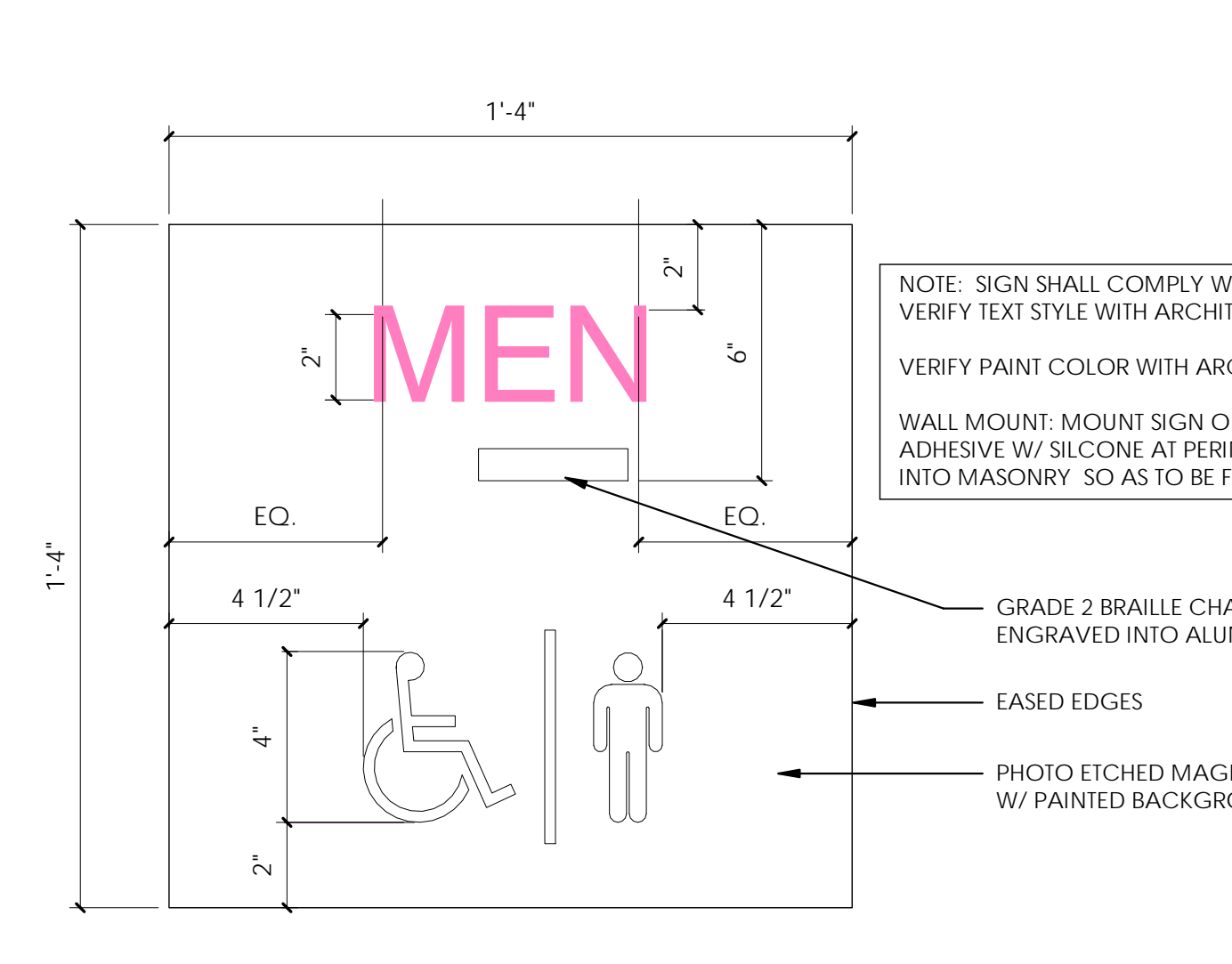
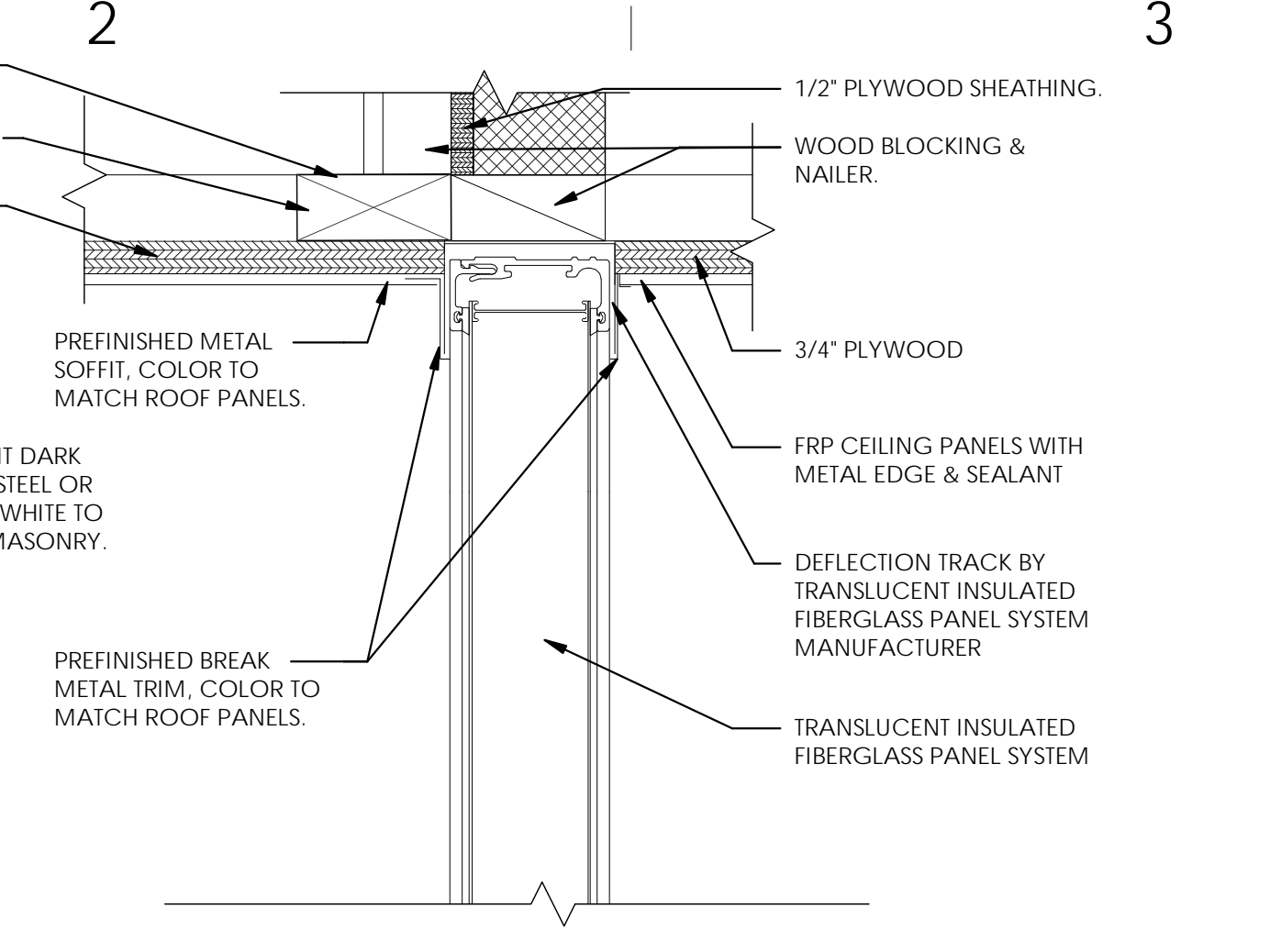
**C1 WINDOW JAMB 2**  
3" = 1'-0"



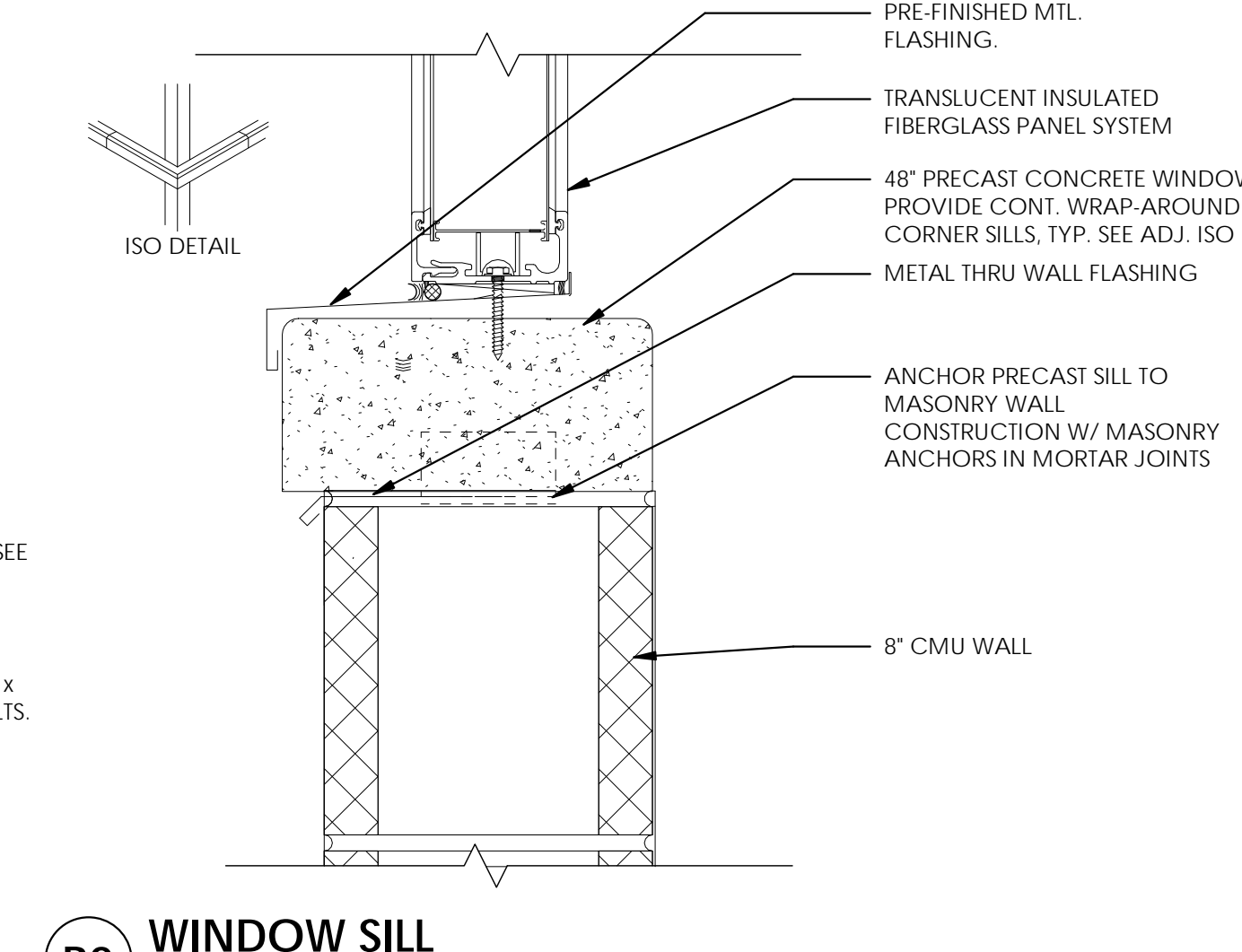
**B1 DOOR HEAD**  
3" = 1'-0"



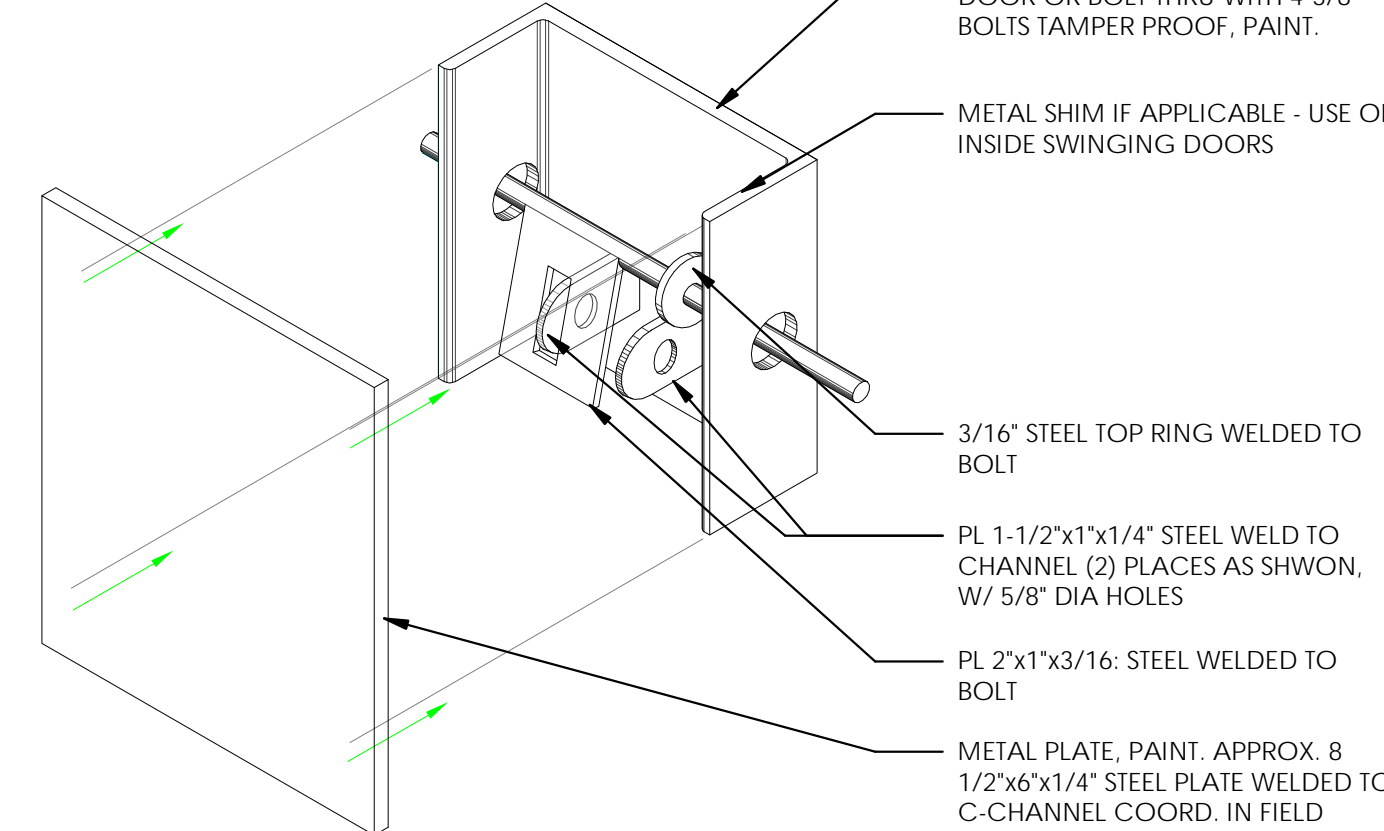
**A1 WINDOW JAMB 1**  
3" = 1'-0"



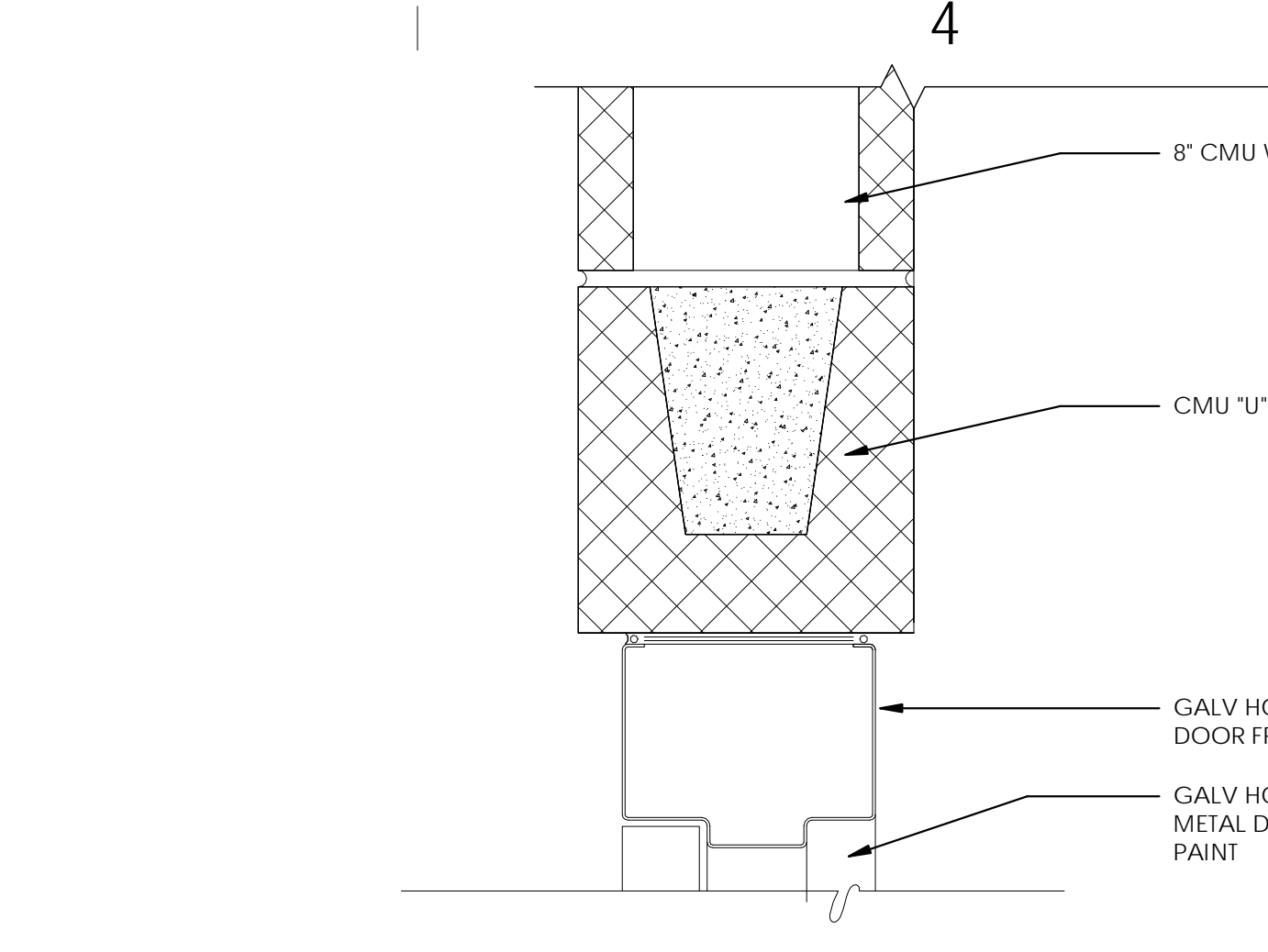
**C2 SIGN DETAIL**  
3" = 1'-0"



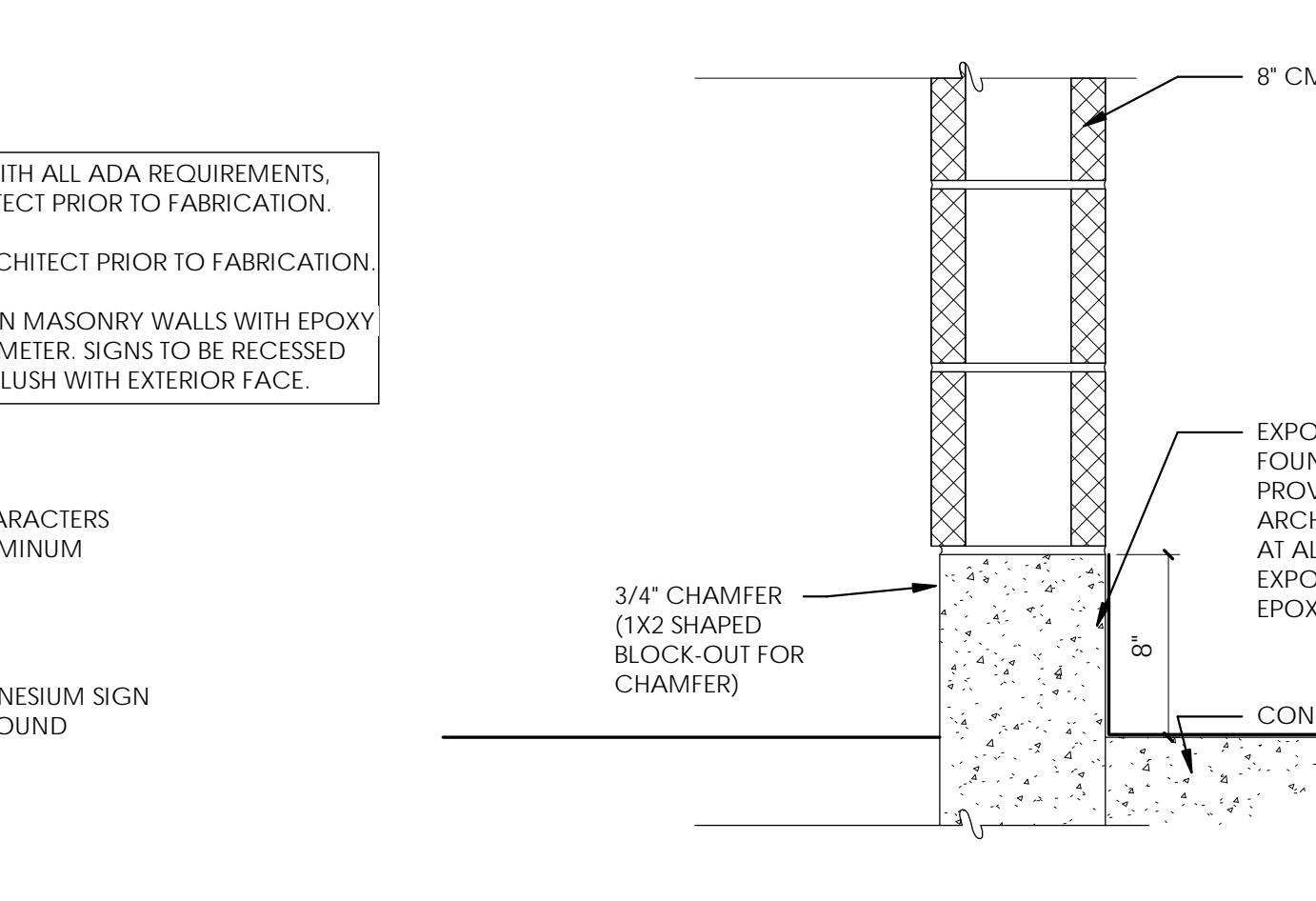
**B2 WINDOW SILL**  
3" = 1'-0"



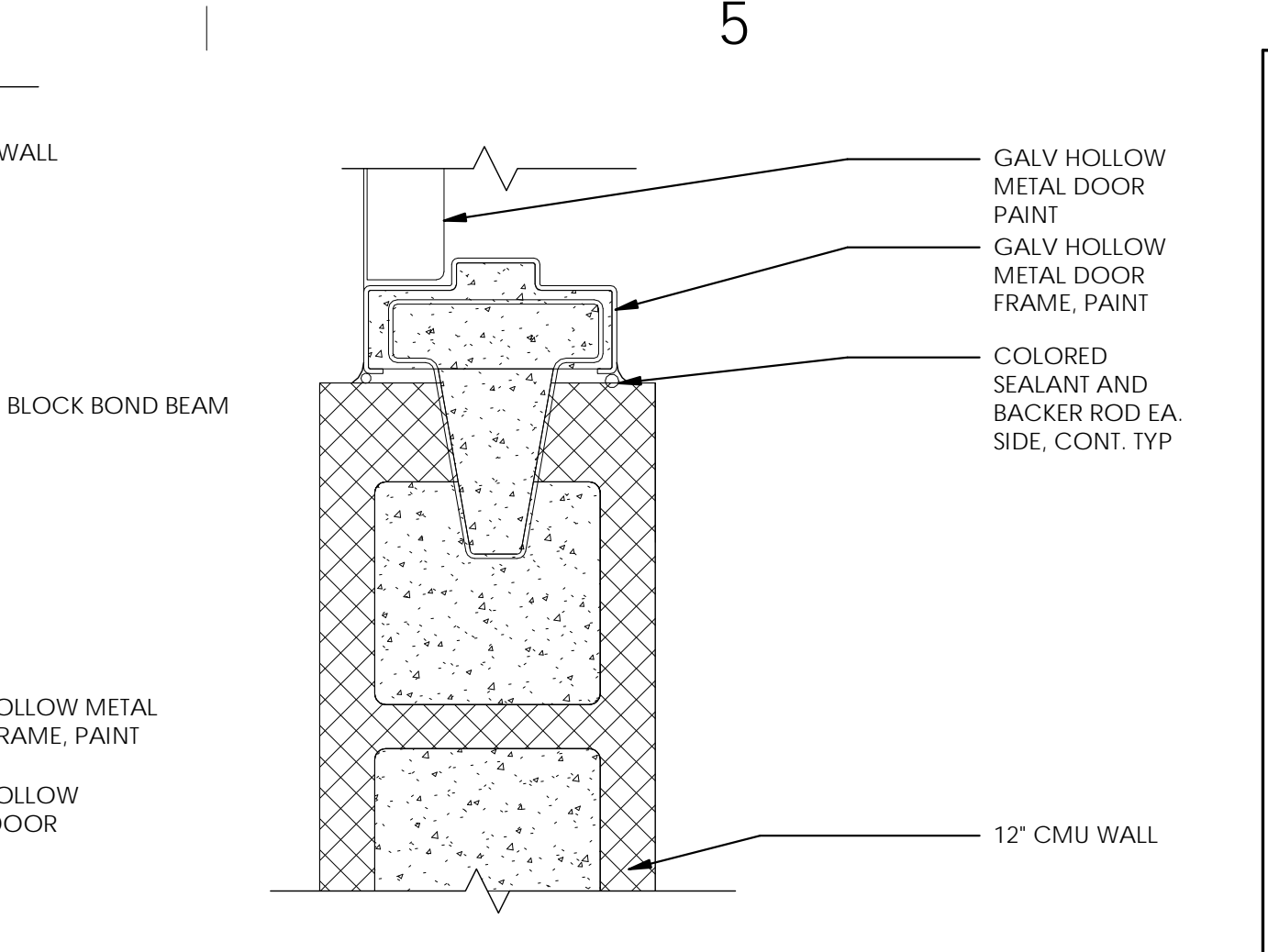
**A2 DOOR LOCK DETAIL**  
3" = 1'-0"



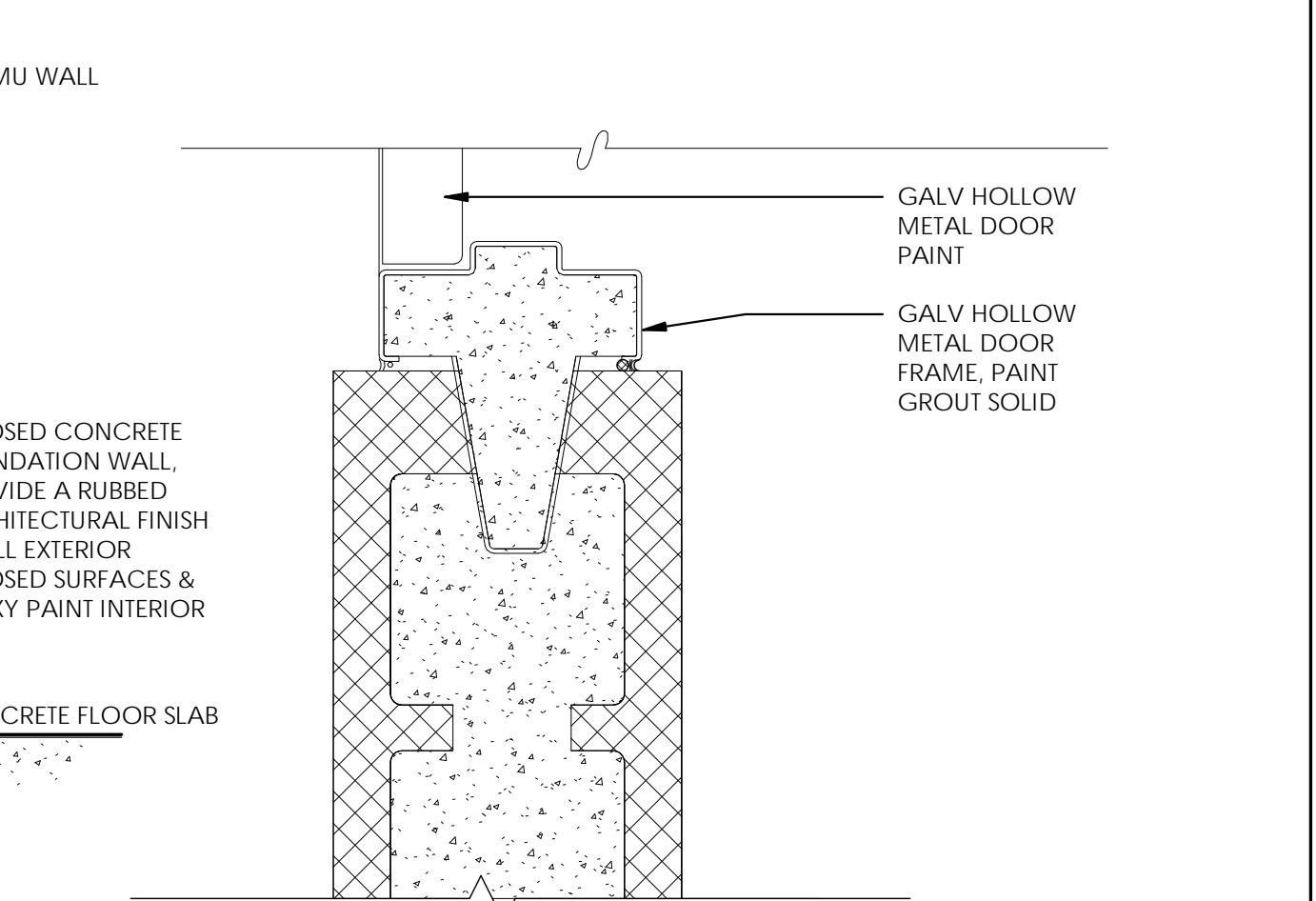
**D4 DOOR HEAD**  
3" = 1'-0"



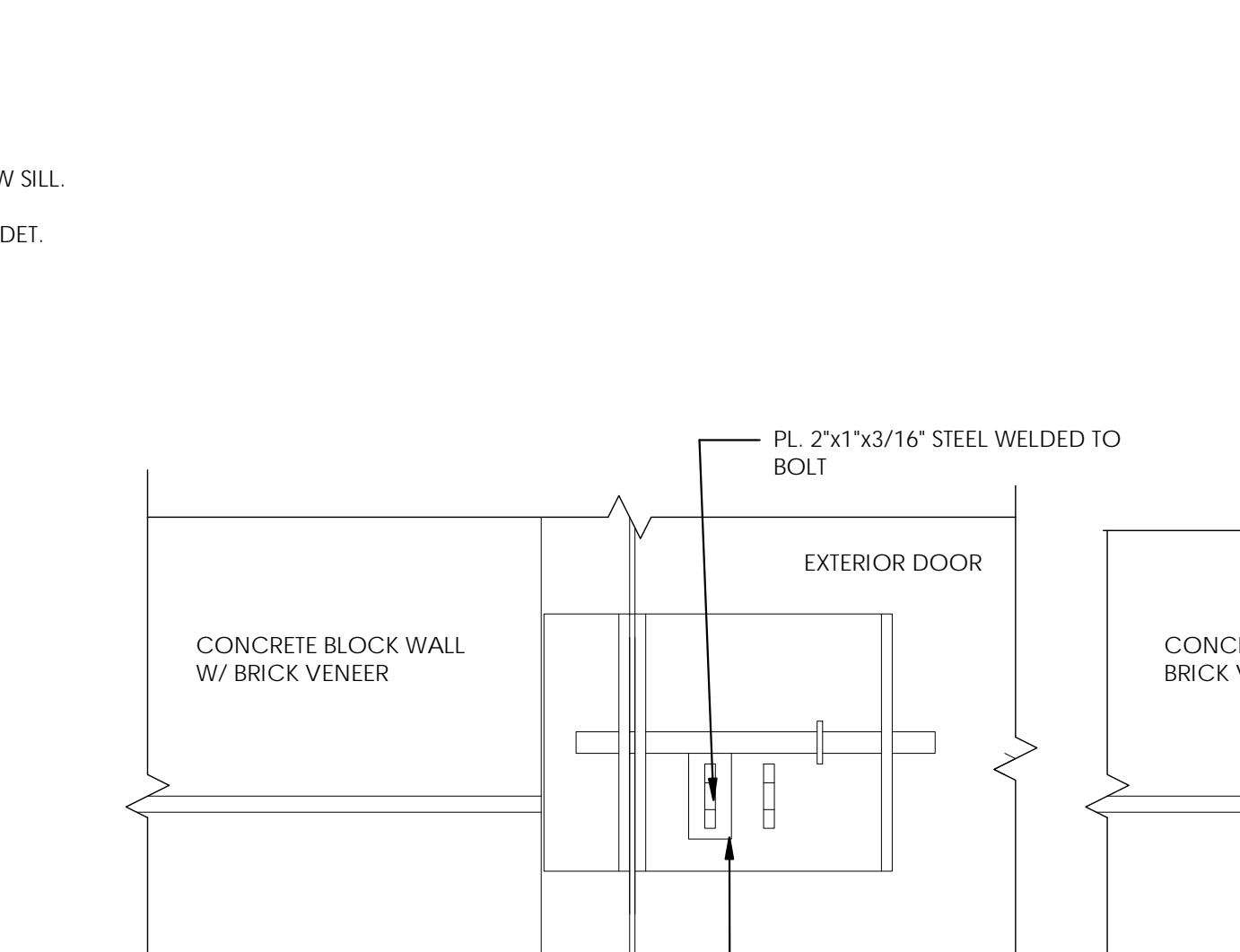
**C4 BASE OF CMU WALL**  
1 1/2" = 1'-0"



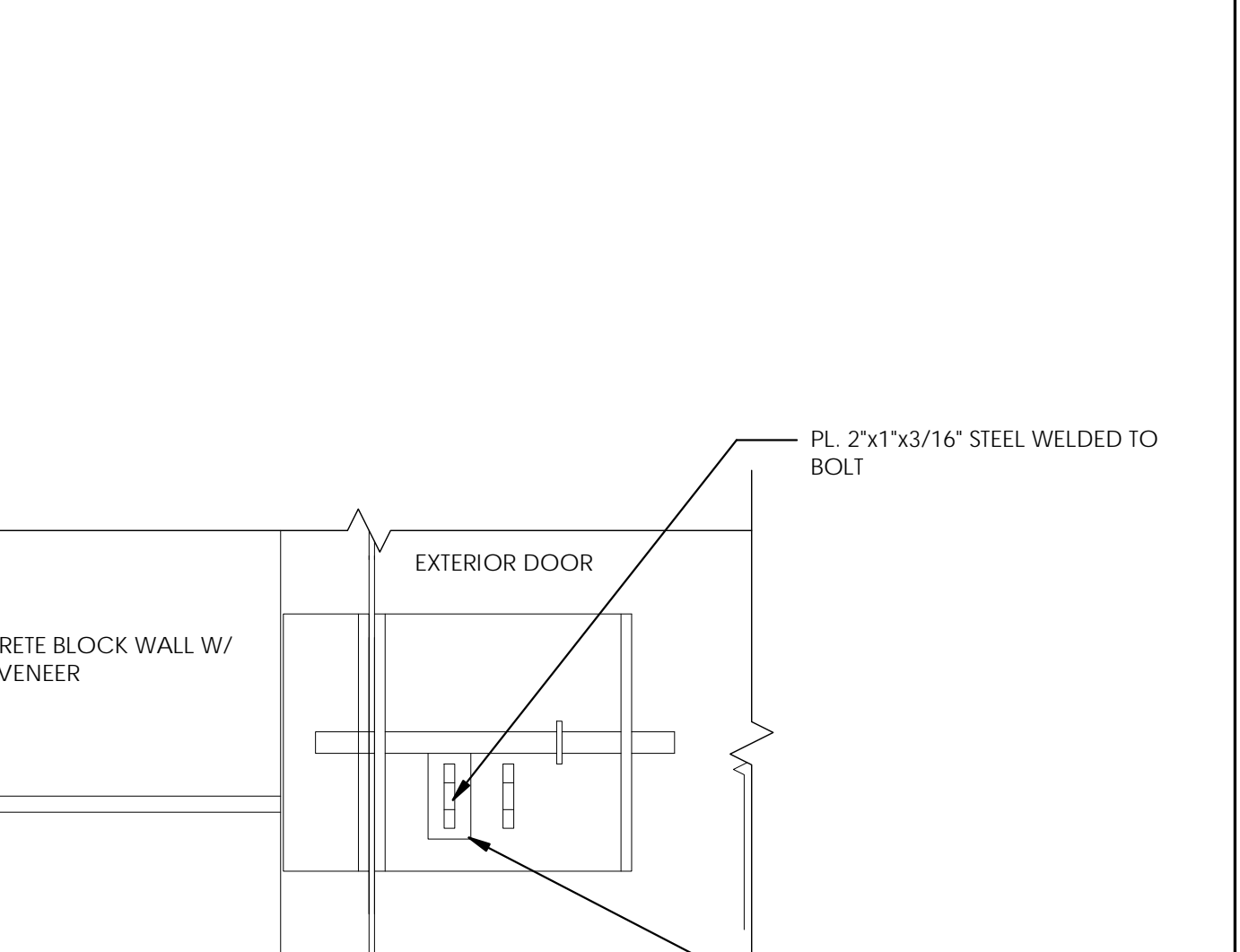
**D5 DOOR JAMB**  
3" = 1'-0"



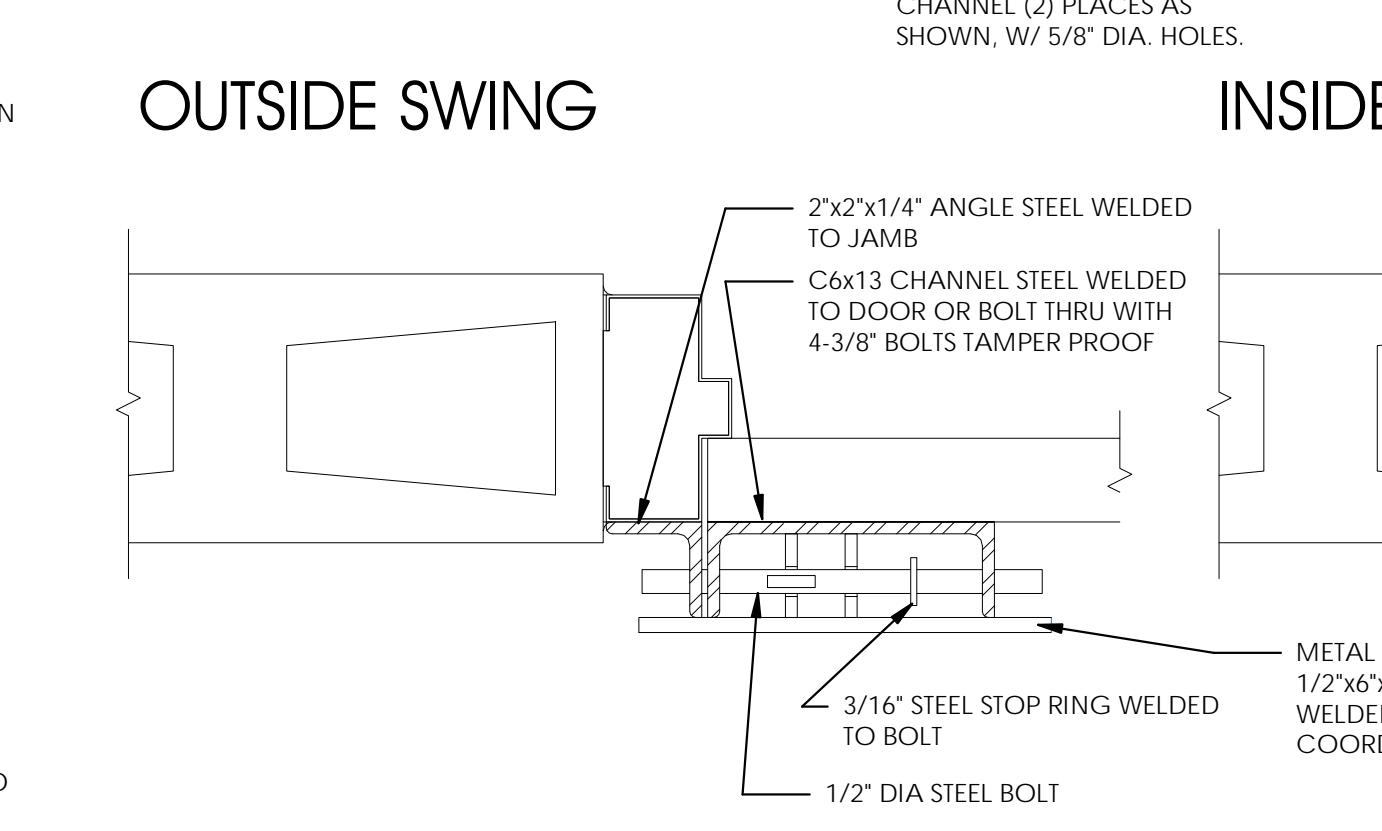
**C5 DOOR JAMB**  
3" = 1'-0"



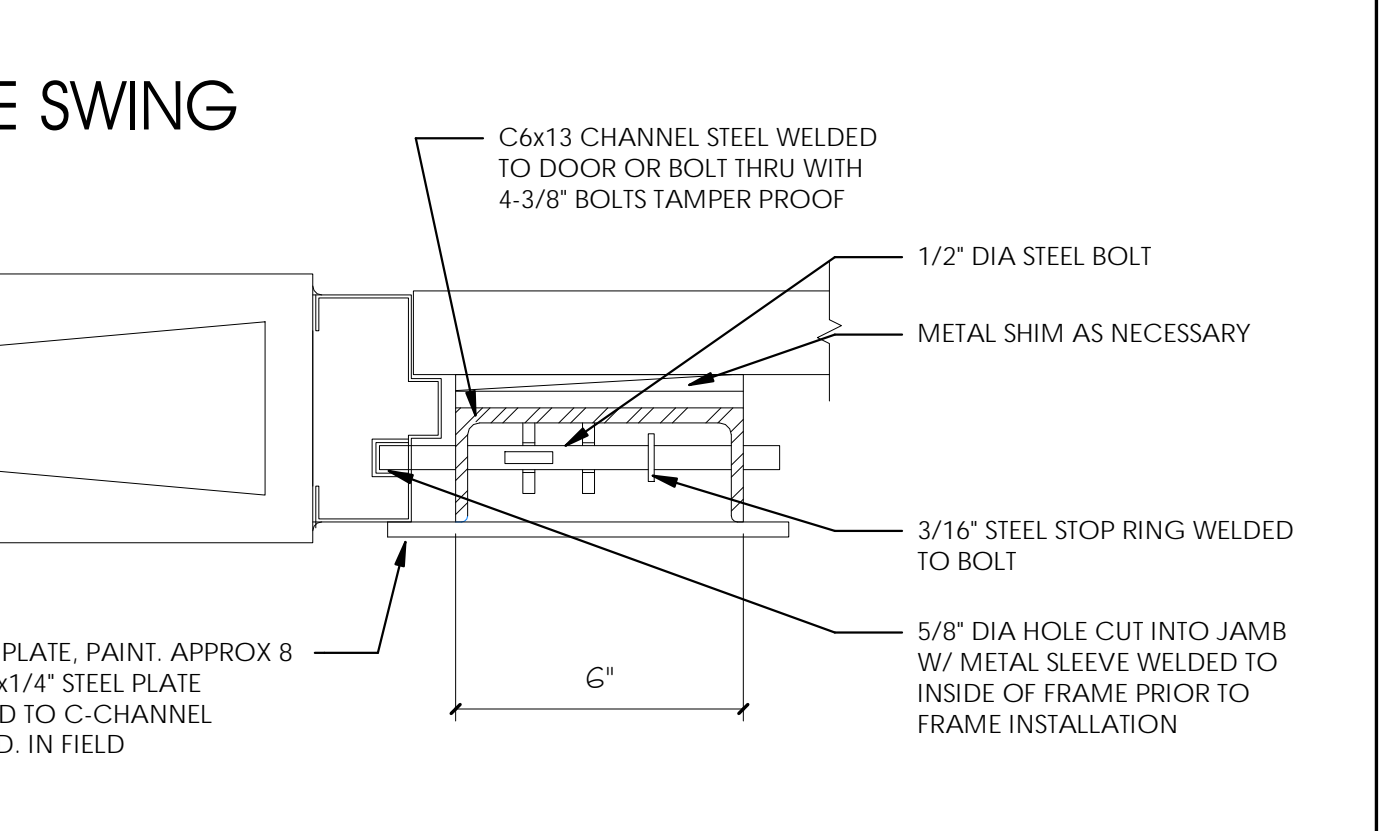
**A3 EXTERIOR DOOR LOCK DETAIL**  
3" = 1'-0"



**A3 INSIDE SWING**  
3" = 1'-0"



**A3 OUTSIDE SWING**  
3" = 1'-0"



**A3 INSIDE SWING**  
3" = 1'-0"

**NOT FOR CONSTRUCTION**

ARCHITECT / CONSULTANT

AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**SALT LAKE COUNTY**  
 Parks & Recreation  
 2001 South State St. S4-700  
 Salt Lake City, UT 84190

**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

5051 SOUTH 4015 WEST  
 TAYLORSVILLE, UTAH

SHEET NAME:  
**DETAILS**

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: **08.31.19**  
 ISSUE TYPE: **PERMIT SET**  
 DRAWN BY: **AJL**  
 CHECKED BY: **K RIGBY**  
 PROJECT#: **1930.01**

SHEET NUMBER:

## MECHANICAL LEGEND

SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION
GENERAL TERMINOLOGY			AIR SIDE			WET SIDE			WET SIDE		
		SECTION LETTER DESIGNATION			NEW AIR DUCT		PRV	PRESSURE REDUCING VALVE			PITCH DOWN
		SECTION DRAWN ON THIS SHEET			RECT TO RECT AIR DUCT TAKE-OFF			CHECK VALVE			ELBOW UP/DN
		DETAIL NUMBER DESIGNATION CORRESPONDING WITH GRID LOCATION			RECT TO RND AIR DUCT TAKE-OFF			BALL VALVE			NEW PIPING
		MECHANICAL EQUIPMENT DESIGNATION			RND TO RND AIR DUCT TAKE-OFF			PRESSURE RELIEF VALVE			PIPE CAP OR PLUG
		EQUIPMENT ITEM DESIGNATION			MEDIUM PRESSURE TAKE-OFF			THERMAL RELIEF VALVE			REDUCER - CONCENTRIC / ECCENTRIC
		REGISTER, GRILLE OR DIFFUSER DESIGNATION WITH BALANCING CFM LISTED BELOW			FLEXIBLE AIR DUCT			SAFETY RELIEF VALVE			FLEXIBLE CONNECTION
		GRILLE OR LOUVER DESIGNATION WHERE BALANCING NOT REQUIRED			LINED DUCT			AUTOMATIC AIR VENT		CW	CULINARY COLD WATER
		REVISION DESIGNATOR AND NUMBER			RADIUS ELBOW			MANUAL AIR VENT		HW	CULINARY HOT WATER
		KEY NOTE DESIGNATOR AND NUMBER			ECCENTRIC DUCT TRANSITION			STRAINER			
	POC	POINT OF CONNECTION			CONCENTRIC DUCT TRANSITION			STRAINER W/ PLUG BLOW OFF			
	POR	POINT OF REMOVAL			NEW EQUIPMENT			PRESSURE GAUGE W/ COCK - WATER			
				BD	BACKDRAFT DAMPER			DIRECTION OF FLOW			
				EA	EXHAUST AIR			BACKFLOW PREVENTING VALVE			
				TA	TRANSFER AIR						
AFF		ABOVE FINISHED FLOOR									
AP		ACCESS PANEL									
C EL.		CENTERLINE ELEVATION									
GC		GENERAL CONTRACTOR									
MC		MECHANICAL CONTRACTOR									
ATC		CONTROLS CONTRACTOR									
EC		ELECTRICAL CONTRACTOR									
FPC		FIRE PROTECTION CONTRACTOR									
NIC		NOT IN CONTRACT									
NTS		NOT TO SCALE									
VCP		VITRIFIED CLAY PIPE									
C		COMMON									
NC		NORMALLY CLOSED									
NO		NORMALLY OPEN									

PLUMBING LEGEND			
MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE		WALL CLEANOUT	WCO
COLD WATER LINE		CLEANOUT	CO
HOT WATER RECIRCULATING LINE		CLEANOUT TO GRADE	COTG
VENT LINE		FLOOR CLEANOUT	FCO
WASTE LINE		BALL VALVE	$\phi$
VENT THRU ROOF		UNION	
SANITARY SEWER		REGULATOR	R

### PLUMBING GENERAL NOTES

**G-1** - ALL PLUMBING SHALL BE INSTALLED AND CONFORM TO THE 2018 EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

**G-2** - ALL PIPING MATERIALS SHALL MEET ALL REQUIREMENTS OF IPC AND LOCAL AUTHORITY. PLASTIC PIPING SHALL BE ALLOWED ONLY WHERE ALLOWED BY CODE. PLASTIC PIPING SHALL NOT BE ROUTED THROUGH RETURN AIR PLENUMS OR OTHER AREAS PROHIBITED BY THE IMC, IPC, OR NFPA CODES OR BY LOCAL AUTHORITY.

**G-3** - GAS PIPING INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH GAS COMPANY REGULATIONS, NFPA CODE REQUIREMENTS, AND LOCAL AUTHORITY.

**G-4** - ALL MATERIALS SHALL BE NEW AND SHALL BE DOMESTIC MADE UNLESS SPECIFICALLY APPROVED OTHERWISE IN WRITING BY ARCHITECT OR OWNER.

**G-5** - PROVIDE VACUUM BREAKERS AND BACK FLOW PREVENTERS WHERE REQUIRED BY CODE OR WHERE THERE MAY BE ANY POSSIBLE CHANCE FOR CROSS CONTAMINATION. PREVENTERS SHALL BE INSTALLED IN ACCORDANCE WITH UTAH CODE.

**G-6** - ALL PLUMBING INFORMATION IS NOT LIMITED TO THE PLUMBING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING SPECIFICATIONS, ARCHITECTURAL DRAWING, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ELECTRICAL DRAWINGS.

**G-7** - THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWING, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL PIPING SHALL BE CHECKED AND COORDINATED WITH THE SPECIFICATIONS, ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

**G-8** - COORDINATE ALL PIPING AND PLUMBING EQUIPMENT WITH ALL OTHER TRADES AND/OR CONTRACTORS PRIOR TO INSTALLATION.

**G-9** - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARCHITECT/ENGINEER SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.

**G-10** - GAS LINE FITTINGS SHALL BE STANDARD WELD FITTINGS WITH TAPERED REDUCERS. DO NOT USE VALVES, UNIONS, OR AUTO CONTROLS IN GAS LINES ROUTED IN INACCESSIBLE CONCEALED SPACES.

**G-11** - ALL WATER SYSTEMS SHALL MEET THE REQUIREMENTS OF ANSI/NSF STANDARD 61 SECTION 9 (1998), CONCERNING METAL CONTAMINANTS IN THE WATER SYSTEM.

**G-12** - WATER PIPING SHALL NOT BE ROUTED IN OUTSIDE WALLS OR ON EXTERIOR SIDE OF BUILDING INSULATION ENVELOPE.

**G-13** - WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ALL WATER LINES WITH QUICK OPEN OR QUICK CLOSE VALVES.

### WATER HAMMER ARRESTOR SCHEDULE:

TYPE A	1-11 FIXTURE UNITS
TYPE B	12-32 FIXTURE UNITS
TYPE C	33-60 FIXTURE UNITS
TYPE D	61-113 FIXTURE UNITS

### GENERAL NOTES

**G-1** - MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION OF THE EXISTING BUILDING AND SITE CONDITIONS, EXISTING PIPING, EXISTING ELECTRICAL, AND EXISTING SUPPORTS.

**A** - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.

**B** - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.

**C** - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.

**D** - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.

**E** - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.

**G-2** - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CHANGES FOR APPROVAL. CONTRACTOR SHALL NOT START ANY CHANGES UNTIL NOTIFIED IN WRITING. IF CHANGES ARE MADE PRIOR TO APPROVAL CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE CHANGES MADE AND ALL COSTS RELATING TO FAILURE OR REPLACEMENT OF ALTERATIONS.

**G-3** - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.

**G-4** - THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCKOUTS OR CORE DRILLS THROUGH STRUCTURE.

**G-5** - THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.

**G-6** - MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.

**G-7** - SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.

**G-8** - PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.

**G-9** - SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.

**G-10** - PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.

**G-11** - THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

**G-12** - THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.

**G-13** - C.F.M. LISTED IS ACTUAL AIR.

**G-14** - SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.

**G-15** - CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.

**G-16** - ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2018 EDITION OF THE IMC AND IPC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

**G-17** - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAINING DOWN AND RE-FILLING OF ALL SYSTEMS NECESSARY TO COMPLETE THE WORK OUTLINED BY THIS PROJECT. THIS INCLUDES PROVIDING THE REQUIRED CHEMICAL TREATMENT WHEN RE-FILLING THE SYSTEM.

**G-18** - ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION

**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

**5051 SOUTH 4015 WEST TAYLORSVILLE, UTAH**

SHEET NAME:

**MECHANICAL & PLUMBING LEGEND & GENERAL NOTES**

REVISIONS

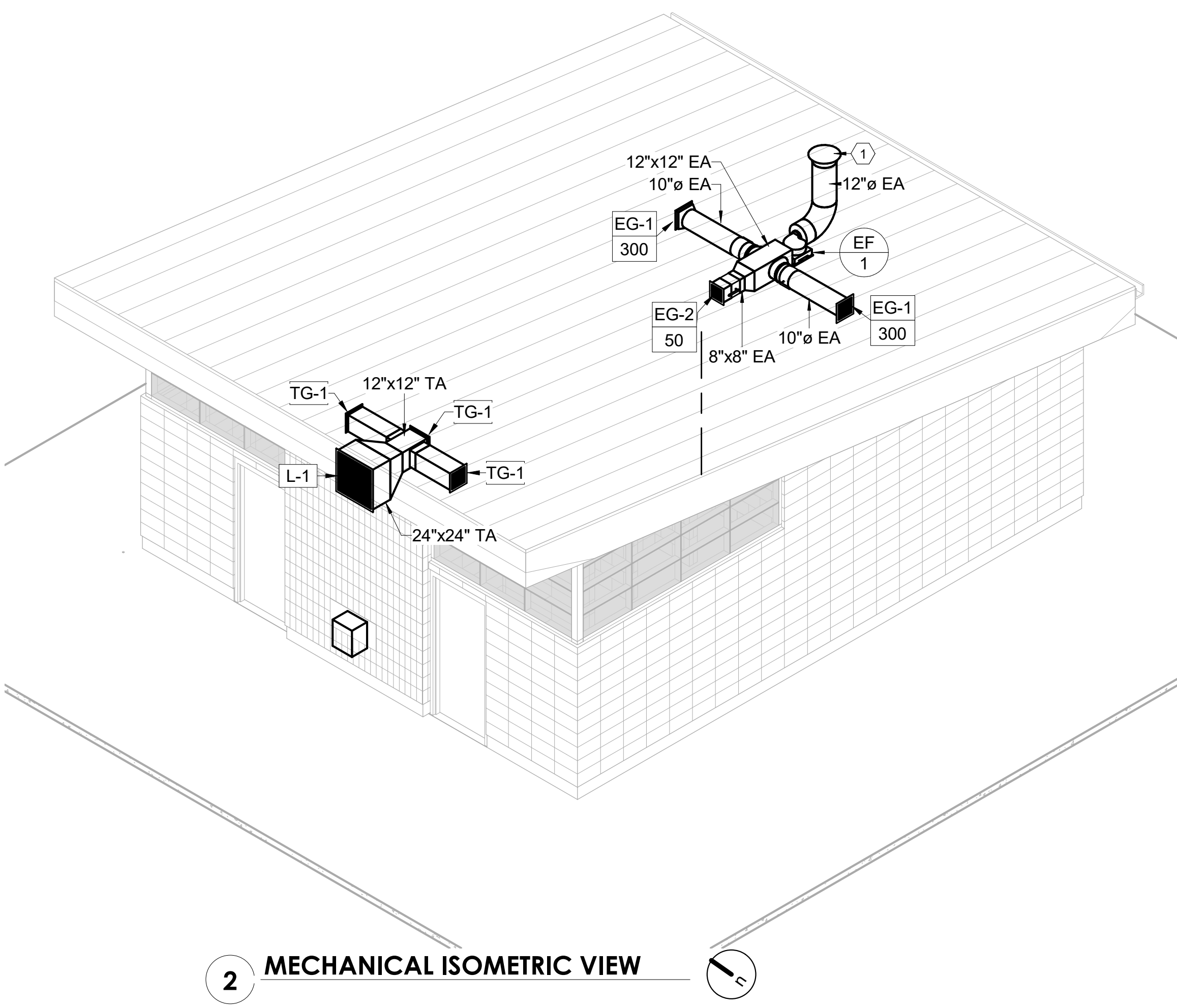
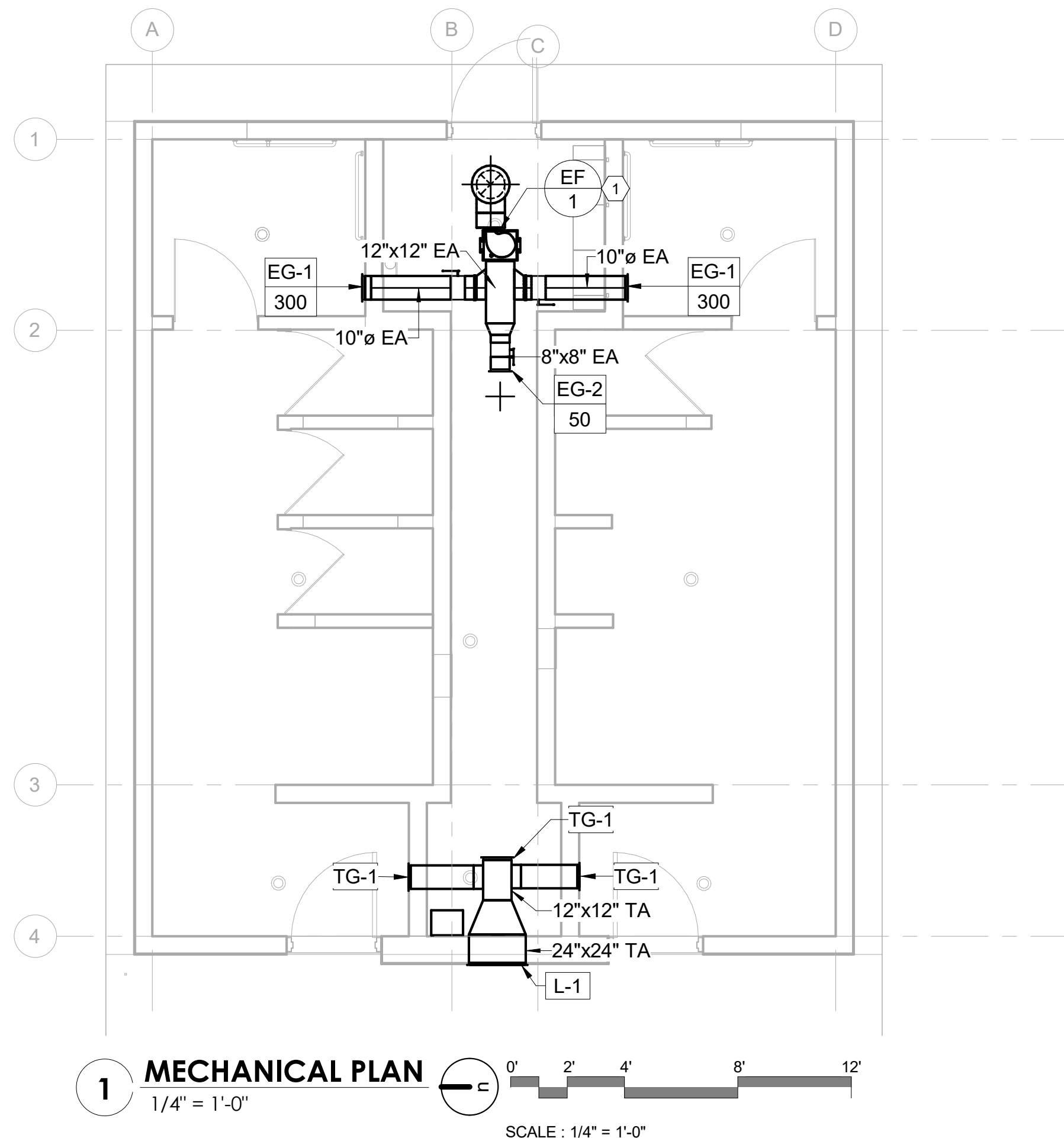
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PROJECT#: **1930.01**

SHEET NUMBER:

**MG001**

9/19/2019 11:46:13 AM A:\19097 SI County Restrooms\19097 SI County Restrooms Large v19 M&P.rvt  
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**SHEET NOTES**

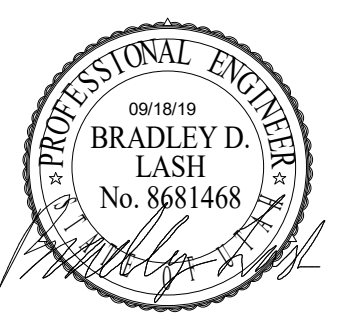
- 1 PROVIDE INLINE EXHAUST FAN. TERMINATE ABOVE THE ROOF WITH BIRD SCREEN AND WEATHER CAP.

**GENERAL NOTES:**

1. ALL PIPING IN THE CHASE SHALL BE ROUTED IN A MANNER AS TO MAINTAIN EASY ACCESS THROUGHOUT THE CHASE.
2. THIS IS TO BE A SEASONAL RESTROOM AND WILL BE DRAINED FOR THE WINTER MONTHS.
3. ALL DOMESTIC WATER SHALL SLOPE TOWARDS A HOSE BIB. PIPING SHALL RISE UP TO EACH FIXTURE EXCEPT THE HOSE BIBS SO THAT THE SYSTEM CAN EASILY BE DRAINED FOR THE WINTER.
4. PROVIDE A MINIMUM OF 1" INSULATION ON THE HOT WATER PIPING PER SPECIFICATIONS SECTION 220700.

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

**5051 SOUTH 4015 WEST  
TAYLORSVILLE, UTAH**

SHEET NAME:  
**MECHANICAL PLANS**

REVISIONS

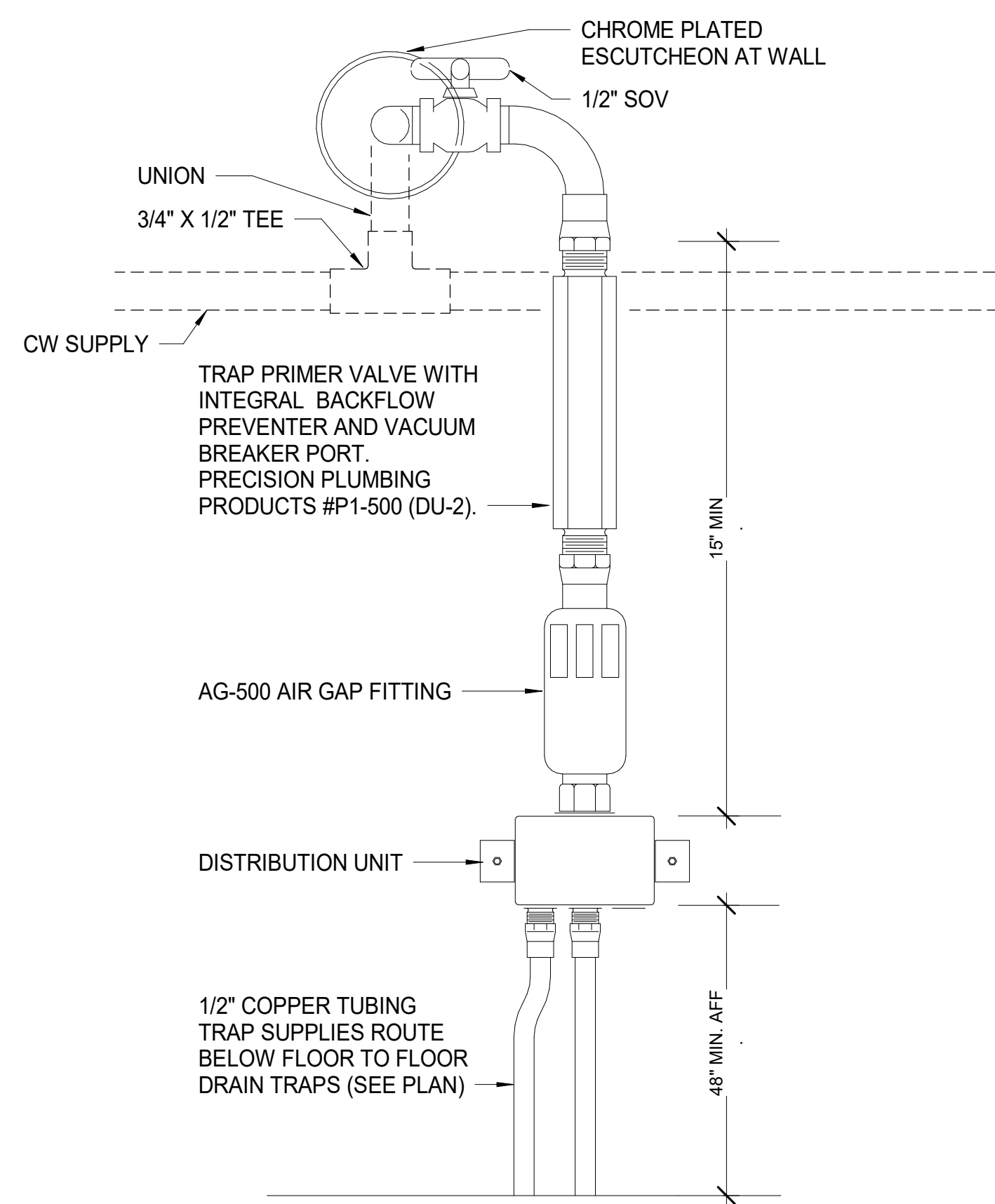
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 PROJECT#: **1930.01**

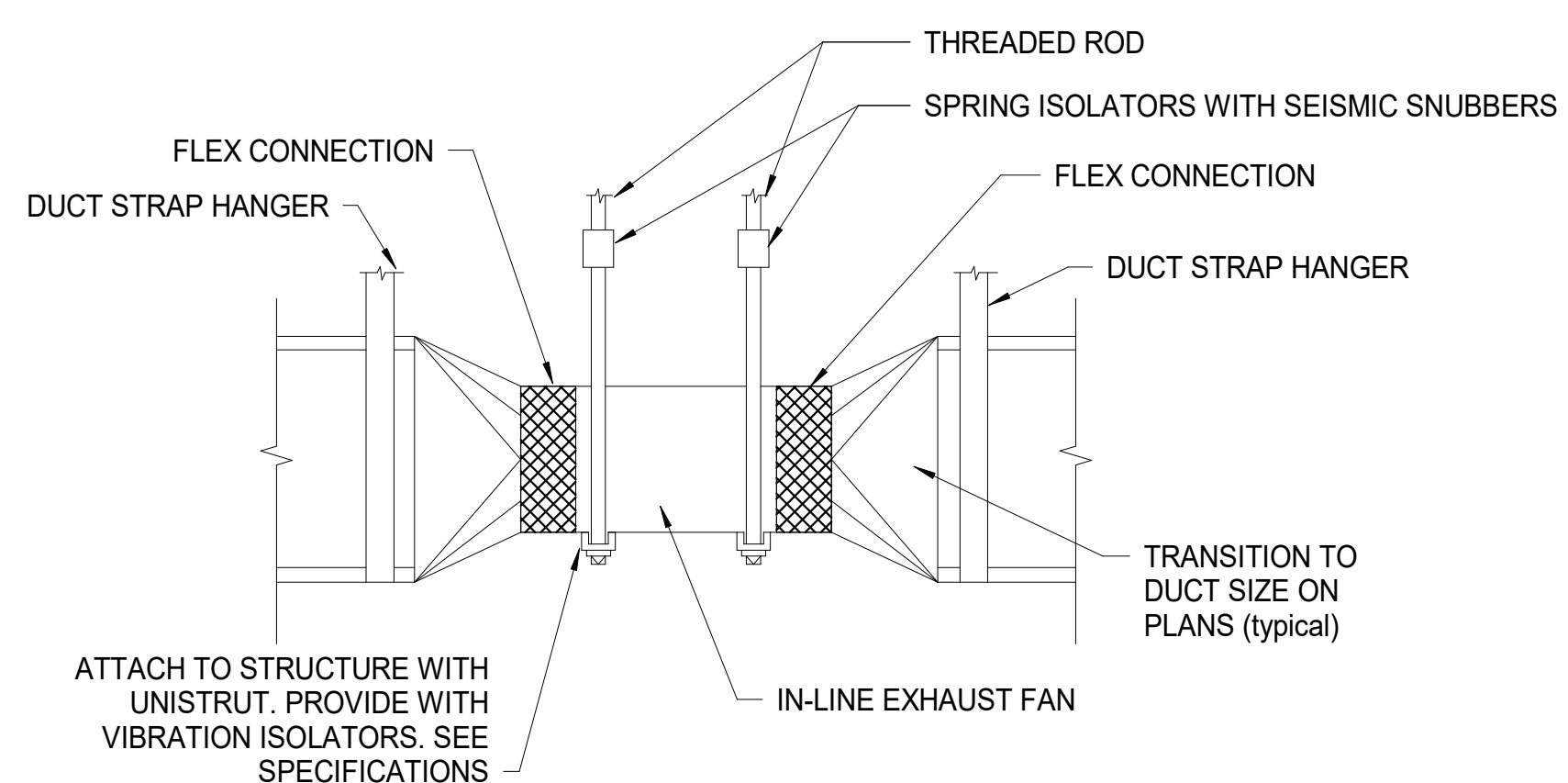
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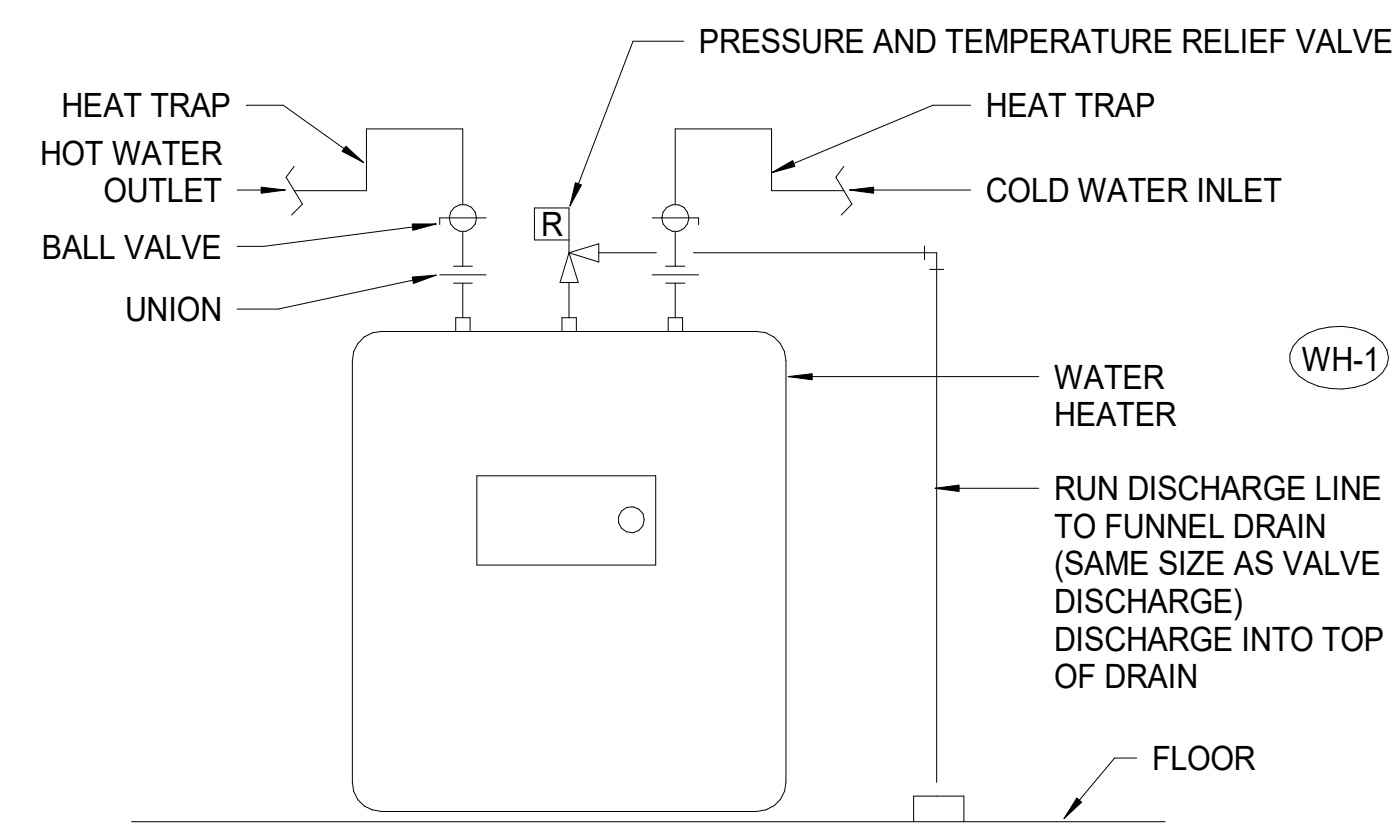
9/19/2019 11:46:14 AM A:\19097 SJ County Restrooms\19097 SJ County Restrooms Large v19 M&P.rvt  
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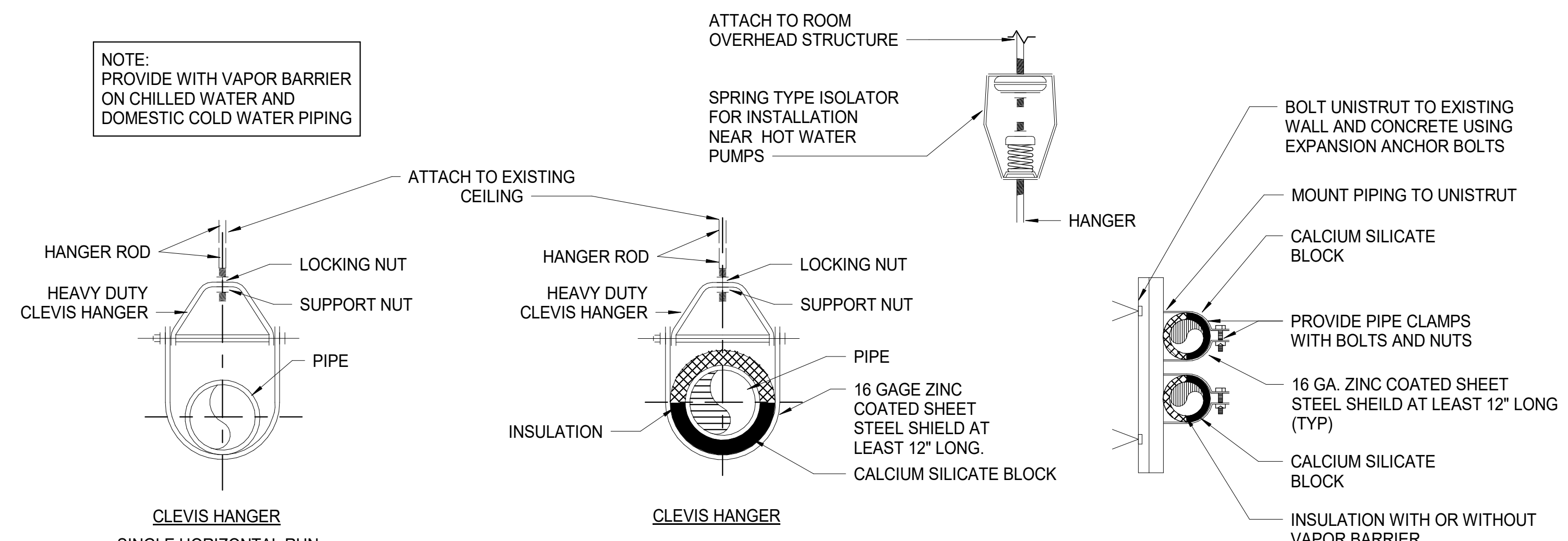
**C1 TRAP PRIMER DETAIL**  
12" = 1'-0"



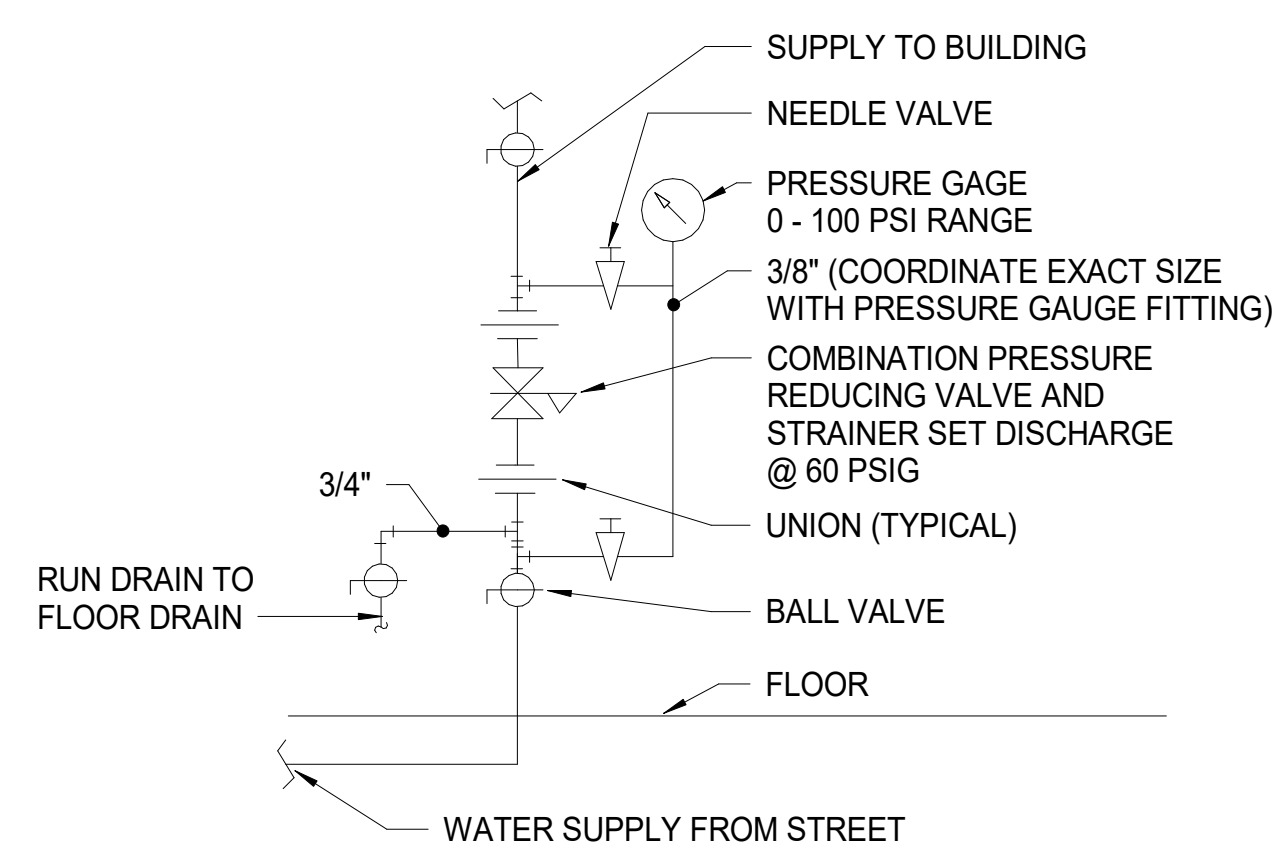
**B1 IN-LINE EXHAUST FAN DETAIL**  
12" = 1'-0"



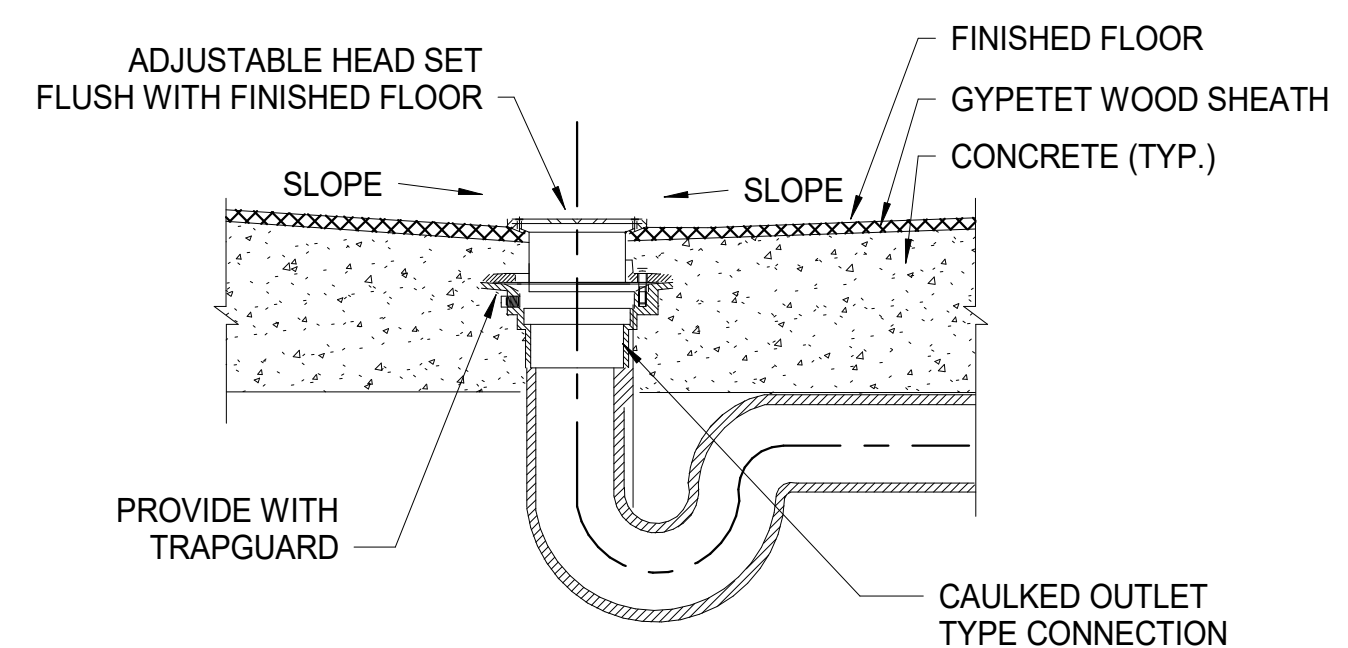
**C3 POINT OF USE ELECTRIC WATER HEATER**  
12" = 1'-0"



**B4 PIPE HANGER DETAIL**  
12" = 1'-0"



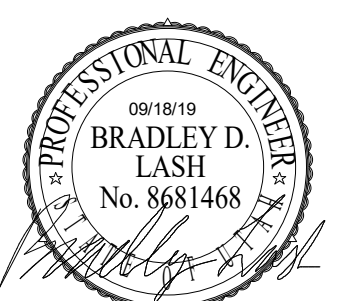
**A4 VERTICAL WATER PRESSURE REDUCING STATION**  
12" = 1'-0"



**C4 FLOOR DRAIN DETAIL**  
12" = 1'-0"

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

**5051 SOUTH 4015 WEST TAYLORSVILLE, UTAH**

SHEET NAME:  
**MECHANICAL & PLUMBING DETAILS**

REVISIONS

MARK	DATE	DESCRIPTION

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PROJECT#: **1930.01**

SHEET NUMBER:

**ME501**

PLUMBING FIXTURE SCHEDULE									
MARK	FIXTURE	INDIVIDUAL LINE SIZES					REMARKS	SCHEDULE NOTES	
		TRAP	WASTE	VENT	COLD WATER	HOT WATER			
DF-1	DRINKING FOUNTAIN	1 1/2"	1 1/2"	1 1/2"	1/2"	1 1/2"	VANDAL RESISTANT BI LEVEL DRINKING FOUNTAIN. MDF MODEL 10485 WM OR APPROVED EQUAL. TRAP SHALL BE INSIDE OF CHASE AND NOT INTEGRAL TO FIXTURE. PROVIDE REMOTE CHILLER	1,2	
FD-1	FLOOR DRAIN	2"	2"	1 1/2"	0"	0"	PROVIDE VANDAL RESISTANT FLOOR DRAIN WITH TRAP PRIMER. PLACE TRAP PRIMER VALVE IN THE CHASE THEN DISTRIBUTE TO FLOOR DRAINS.	2	
HB-1	HOSE BIBB	0"	0"	0"	1/2"	0"	PROVIDE KEYED HOSE BIBB WITH VACUUM BREAKER. REMOVE KEY AND PLACE IN PLUMBING CHASE. WOODFORD 24P OR APPROVED EQUAL. REMOVE KEY AND PLACE IN PLUMBING CHASE.	2	
HB-2	HOSE BIB	0"	0"	0"	0"	1/2"	PROVIDE KEYED VANDAL RESISTANT HOSE BIBB WITH VACUUM BREAKER. REMOVE KEY AND PLACE IN PLUMBING CHASE. LABEL THE HOSE BIBB INDICATING IT IS CONNECTED TO THE HOT WATER. WOODFORD 24P OR APPROVED EQUAL.	2	
L-1	LAVATORY	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	VANDAL RESISTANT WALL MOUNTED LAVATORY. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE. 304 STAINLESS STEEL WITH 1 GPM AERATOR. METCRAFT 5680 OR APPROVED EQUAL WITH BRADLEY 90-75 METERING PUSH BUTTON FAUCET OR EQUAL.	2	
U-1	URINAL	3"	3"	2"	3/4"	0"	VANDAL RESISTANT WALL MOUNTED FLUSH VALVE. PROVIDE CONCEALED FLUSH VALVE WITH 3" BUTTON OPERATION. METCRAFT 7610 OR APPROVED EQUAL.	2	
WC-1	WATER CLOSET	INT	4"	2"	1 1/2"	0"	VANDAL RESISTANT WALL MOUNTED FLUSH VALVE. 304 STAINLESS STEEL WITH 1.6 GPF CONCEALED FLUSH-O-METER. METCRAFT 4610 OR EQUAL.	2	
WC-2	WATER CLOSET	INT	4"	2"	1 1/2"	0"	ADA COMPLIANT. VANDAL RESISTANT WALL MOUNTED FLUSH VALVE. 304 STAINLESS STEEL WITH 1.6 GPF CONCEALED FLUSH-O-METER. METCRAFT 4110HC OR EQUAL.	2	

1. INSTALL DRINKING FOUNTAIN PER ADA REQUIREMENTS AND MANUFACTURERS RECOMMENDATIONS. PROVIDE ELKAY MODEL ER21Y, 2.0 GPH, 115V/60, 3A, REMOTE CHILLER.
2. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.

EXHAUST FAN SCHEDULE												
TAG		COUNT	MANUFACTURER & MODEL	SERVES	CFM	E.S.P.	MOTOR			RPM	OPER. WT.	SCH. NOTES
TYPE	#						MAX SONES	V/PH/Hz	HP (W)			
EF	1	1	COOK GN-720	RESTROOMS	650	0.3	3.3	120/1/60	(222)	1325	40	1,2

1. EXHAUST FAN SHALL RUN CONTINUOUSLY. DURING OCCUPIED HOURS.
2. PROVIDE INLINE EXHAUST FAN. TERMINATE ABOVE THE ROOF WITH BIRD SCREEN AND WEATHER CAP.

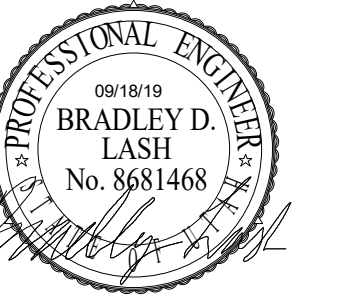
DIFFUSER AND GRILLE SCHEDULE									
MARK	COUNT	MAX FLOW	FACE SIZE	NECK SIZE	CEILING TYPE	BLOW	MAX NC	MANUF & MODEL	SCHEDULE NOTES
EG-1	2	300 CFM	10x10	10x10	N/A	N/A	25	PRICE 90	1,2
EG-2	1	50 CFM	8x8	8x8	N/A	N/A	25	PRICE 90	1,2
L-1	1	650 CFM	24x24	24x24	N/A	N/A	25	RUSKIN ELF811	1,2,3
TG-1	3	300 CFM	10X10	10X10	N/A	N/A	25	PRICE 90	1,2

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
2. FINISH SHALL BE SPECIFIED BY ARCHITECT.
3. PROVIDE BACKDRAFT DAMPER IN LOUVER.

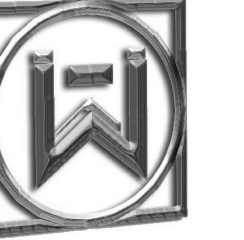
POINT OF USE WATER HEATER SCHEDULE					
MARK	kw	GPH	V/Ph/Hz	MANUF. & MODEL	SCHEDULE NOTES
EWH-1	7.5 kW	1.5 @ 34F	240/1/60	EEMAX EX75	
EWH-2	7.5 kW	1.5 @ 34F	240/1/60	EEMAX EX75	

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
SOUTHRIDGE PARK NEW  
RESTROOMS BUILDING 1

5051 SOUTH 4015 WEST  
TAYLORSVILLE, UTAH

SHEET NAME:

MECHANICAL &  
PLUMBING SCHEDULES

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATE: 09/18/2019  
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**ME601**

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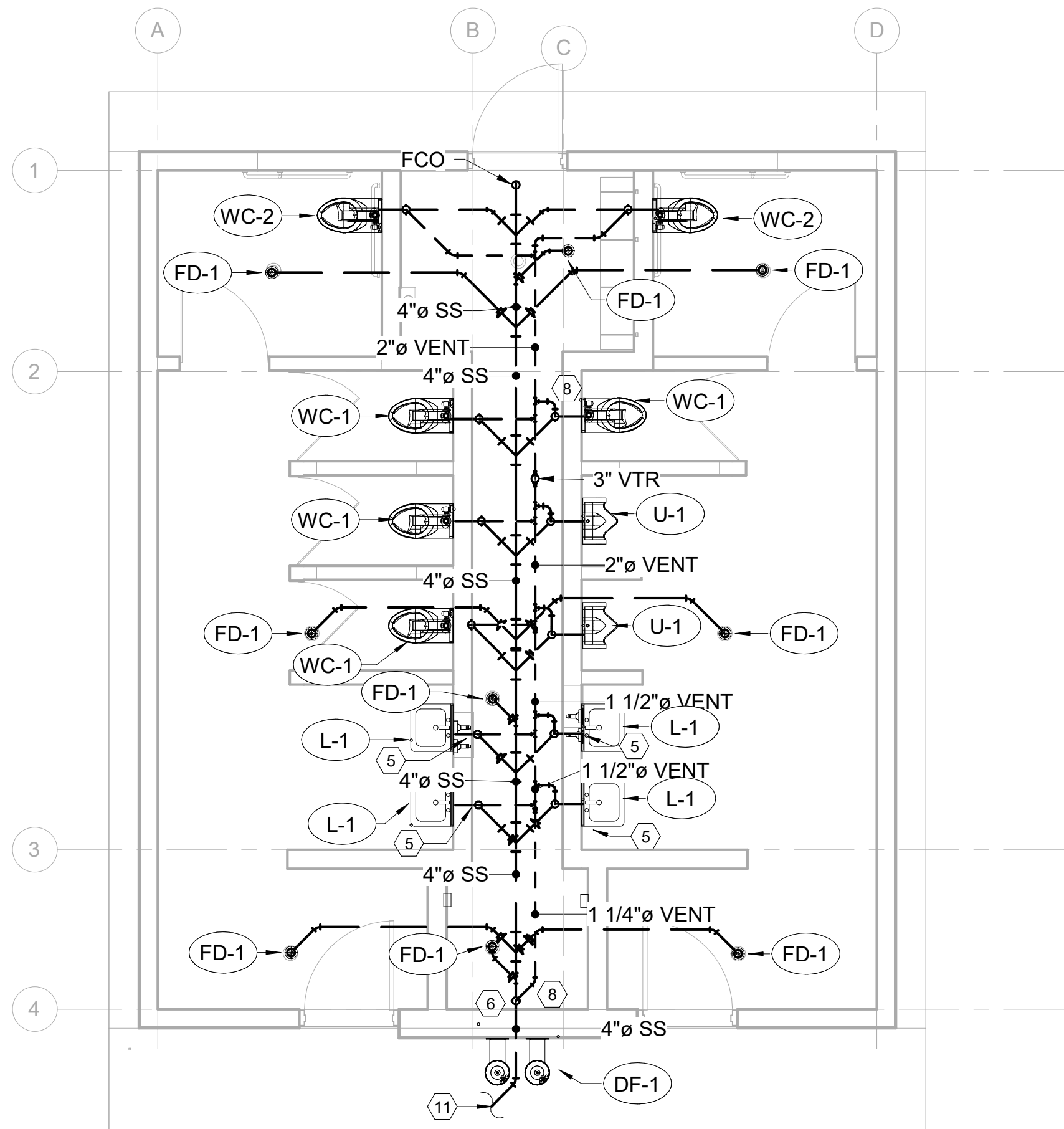
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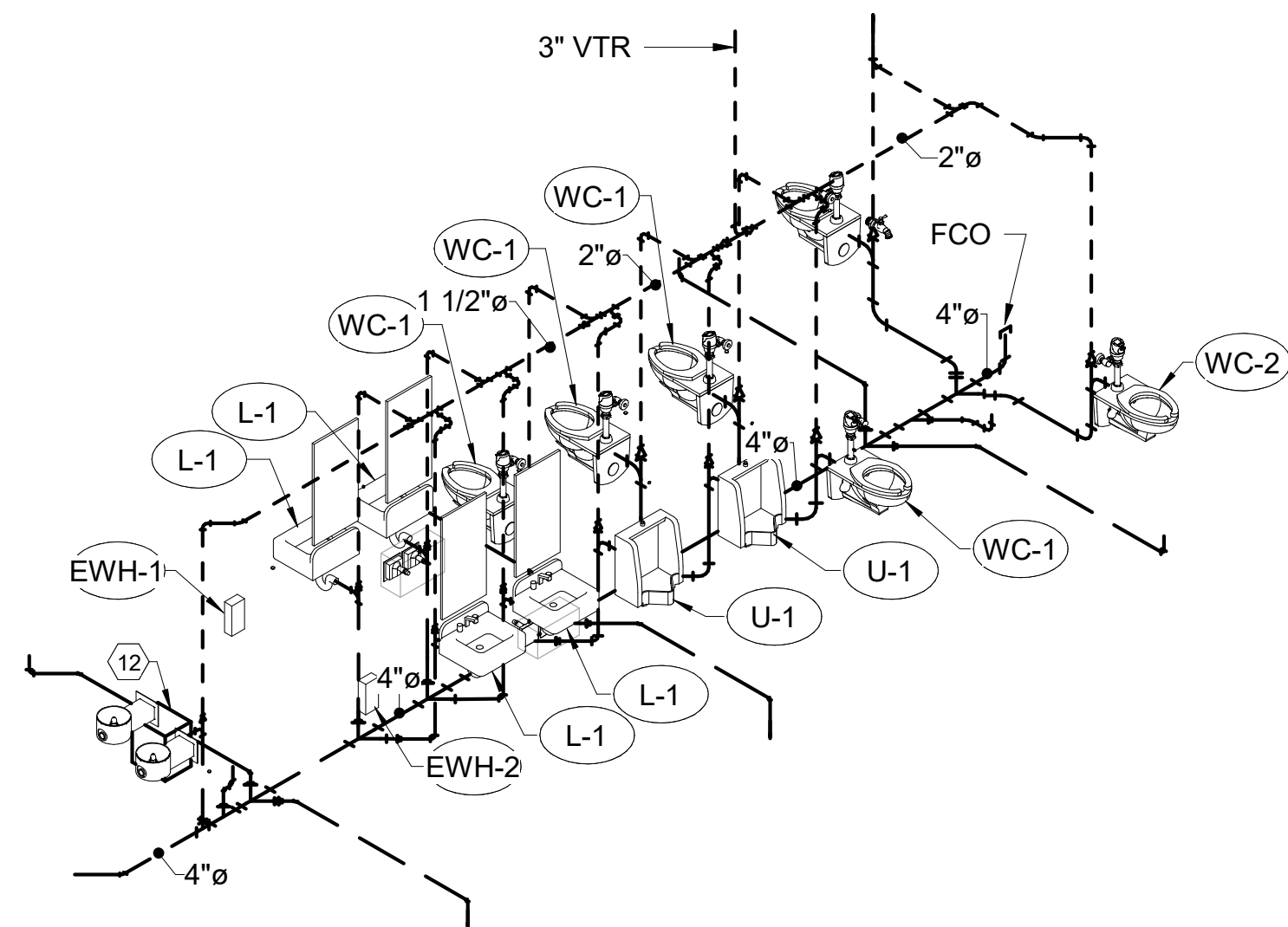
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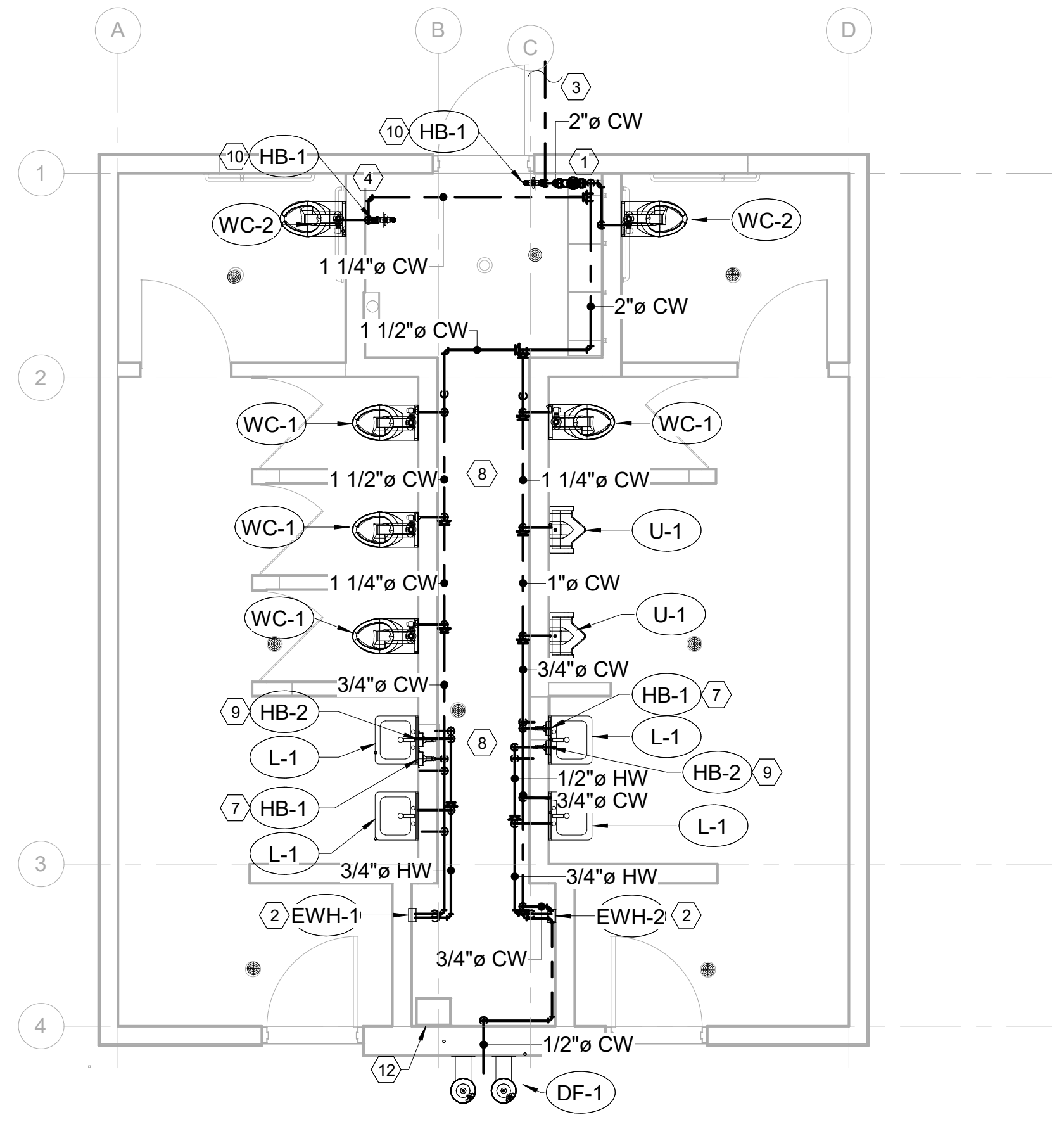
9/19/2019 11:46:15 AM A:\19097 SI County Restrooms\19097 SI County Restrooms Large v19 M&P.rvt  
 ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED IN THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVALUATED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN CONSENT OF AJC ARCHITECTS PC. ANY REPRODUCTION OR TRANSMISSION OF THIS DRAWING WITHOUT WRITTEN CONSENT OF AJC ARCHITECTS PC IS STRICTLY PROHIBITED. ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS, WARNINGS, REPRODUCTION HEREOF IS A CRIMINAL OFFENSE UNDER 18 U.S.C. SEC. 106. UNAUTHORIZED DISCLOSURE MAY CONSTITUTE TRADE SECRET MISAPPROPRIATION IN VIOLATION OF 18 U.S.C. 3171, SEC. AND OTHER LAWS.



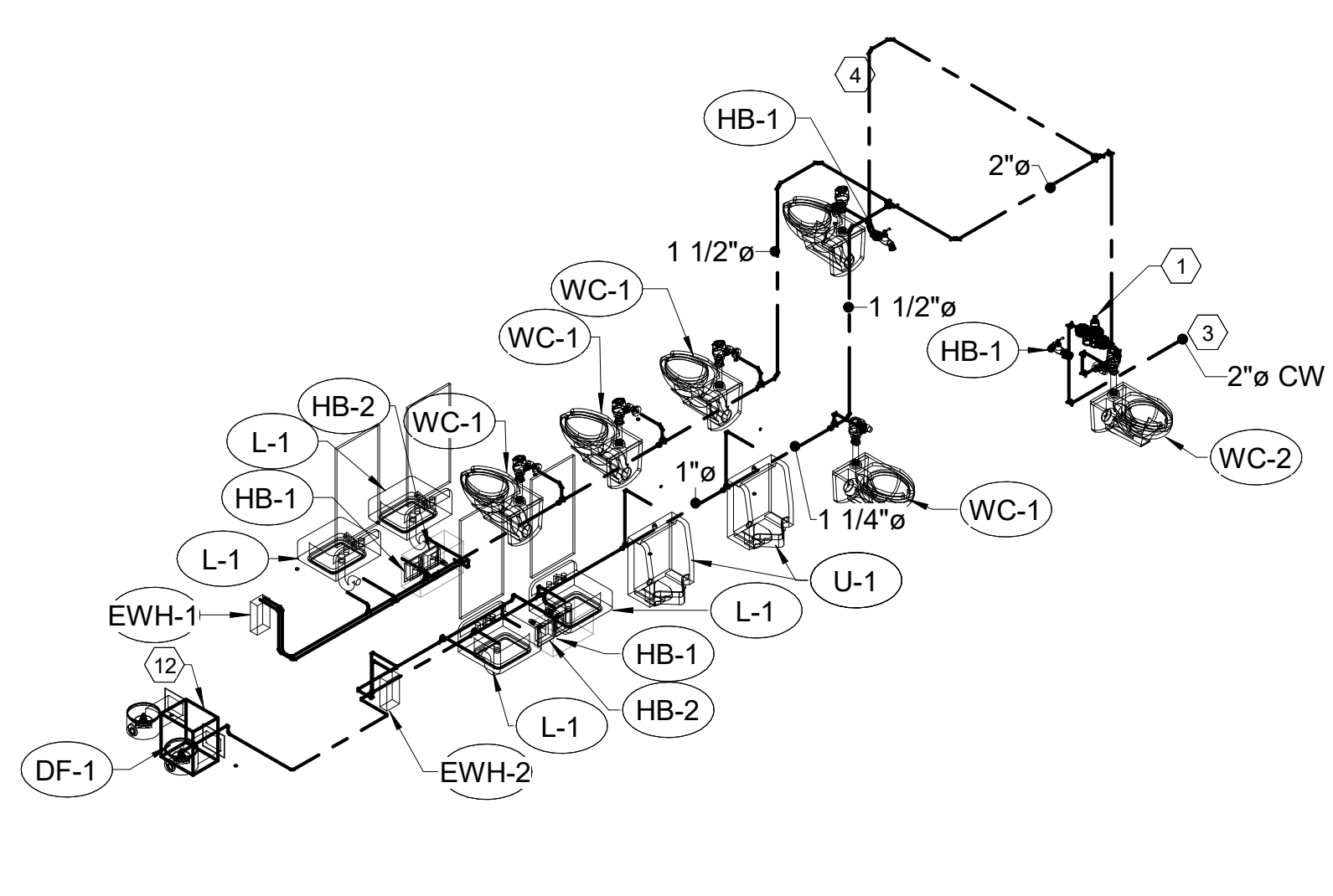
**2 PLUMBING WASTE & VENT PLAN**  
 1/4" = 1'-0"  
 SCALE: 1/4" = 1'-0"



**4 PLUMBING WASTE & VENT ISOMETRIC VIEW**



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



**3 PLUMBING DOMESTIC WATER ISOMETRIC VIEW**

**SHEET NOTES**

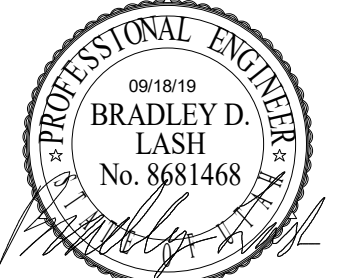
- 1 PROVIDE PRV STATION RACKED ON WALL IN THIS APPROXIMATE LOCATION. SEE DETAIL A4/ME501. PROVIDE HOSE BIB AT THE LOW END CONNECTION TO DRAIN THE SYSTEM. PROVIDE SHUT OFF VALVE CLOSE TO THE FLOOR WHERE WATER ENTERS THE BUILDING AND A HOSE BIB JUST DOWN STREAM.
- 2 PROVIDE ELECTRIC POINT OF USE WATER HEATER IN THIS APPROXIMATE LOCATION.
- 3 FIELD VERIFY WITH CIVIL CONTRACTOR FOR CONTINUATION OF DOMESTIC WATER LINE IN THIS APPROXIMATE LOCATION. PROVIDE STOP AND WASTE OUTSIDE HARD SURFACE.
- 4 COORDINATE WITH ELECTRICAL FOR PANEL LOCATIONS. DO NOT RUN WATER ABOVE PANELS.
- 5 TRAP FOR LAVATORIES SHALL BE INSIDE THE CHASE.
- 6 TRAP FOR DRINKING FOUNTAIN SHALL BE INSIDE THE CHASE AND NOT INTEGRAL TO THE FIXTURE.
- 7 PROVIDE RECESSED KEYED HOSE BIB BELOW LAVATORY. REMOVE KEY AND PLACE IN CHASE STORAGE AREA. LABEL FOR COLD WATER. THIS IS FOR DRAINING THE SYSTEM FOR WINTER.
- 8 WATER PIPING SHALL BE RUN LOW ALONG THE SIDE OF THE CHASE TO MAINTAIN ACCESS INSIDE CHASE. SANITARY SEWER SHALL RUN BELOW GRADE. SLOPE ALL DOMESTIC WATER TO HOSE BIBS TO DRAIN THE SYSTEM FOR WINTER.
- 9 PROVIDE KEYED HOSE BIB BELOW LAVATORY. REMOVE KEY AND PLACE IN CHASE STORAGE AREA. LABEL FOR HOT WATER. THIS IS FOR DRAINING THE SYSTEM FOR WINTER.
- 10 PROVIDE HOSE BIB AT THE BASE OF THE DROP TO THE WATER CLOSE TO DRAIN THE SYSTEM FOR WINTER.
- 11 CONTRACTOR SHALL RUN SANITARY SEWER 5 FEET OUTSIDE OF BUILDING AND CONNECT TO EXISTING UTILITIES. FIELD VERIFY WITH CIVIL CONTRACTOR FOR CONTINUATION OF SANITARY SEWER LINE IN THIS APPROXIMATE LOCATION.
- 12 REMOTE CHILLER. SEE DRINKING FOUNTAIN SCHEDULE FOR MAKE AND MODEL. CONNECT TO DRINKING FOUNTAIN PER MANUFACTURERS RECOMMENDATIONS.

**GENERAL NOTES:**

1. ALL PIPING IN THE CHASE SHALL BE ROUTED IN A MANNER AS TO MAINTAIN EASY ACCESS THROUGHOUT THE CHASE.
2. THIS IS TO BE A SEASONAL RESTROOM AND WILL BE DRAINED FOR THE WINTER MONTHS.
3. ALL DOMESTIC WATER SHALL SLOPE TOWARDS A HOSE BIB. PIPING SHALL RISE UP TO EACH FIXTURE EXCEPT THE HOSE BIBS SO THAT THE SYSTEM CAN EASILY BE DRAINED FOR THE WINTER.
4. PROVIDE A MINIMUM OF 1" INSULATION ON THE HOT WATER PIPING PER SPECIFICATIONS SECTION 220700.

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

**5051 SOUTH 4015 WEST TAYLORSVILLE, UTAH**

SHEET NAME:  
**PLUMBING PLANS**

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATE: **09/18/2019**  
 ISSUE TYPE: **100% CD**  
 DRAWN BY: **JR**  
 CHECKED BY: **BL**  
 PROJECT#: **1930.01**

SHEET NUMBER:  
**PE101**

## GENERAL NOTES

- CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
- VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF ALL EQUIPMENT FURNISHED UNDER ALL DIVISIONS, INCLUDING ALL EXISTING EQUIPMENT TO BE RE-USED. REVIEW ALL SHOP DRAWINGS AND EXISTING EQUIPMENT BEFORE BEGINNING ROUGH-IN.
- SEE SECTION 265100 (16510) OF THE SPECIFICATION FOR REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
- SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
- SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
- FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
- THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
- ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
- ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
- CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 115' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH CONDUCTORS PER TABLE BELOW.

20 AMP MINIMUM BRANCH CIRCUIT CONDUCTOR SIZING			
MAXIMUM LENGTH	BRANCH CIRCUIT VOLTAGE		
CONDUCTOR LENGTH (FT)	120 VOLT	277 VOLT	
<70	MIN. #12 AWG	MIN. #12 AWG	
70 - 115	MIN. #10 AWG	MIN. #12 AWG	
115 - 170	MIN. #8 AWG	MIN. #10 AWG	
170 - 270	MIN. #6 AWG	MIN. #8 AWG	
271 - 380	NOTE B	MIN. #8 AWG	
>380	NOTE B	NOTE B	

- A. THESE ARE BASED ON MAXIMUM LENGTH OF CIRCUIT.
- B. PERFORM VOLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH CIRCUIT VOLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD.
- C. CONTRACTOR SHALL ENSURE THAT THE INSTALLATION OF EACH BRANCH CIRCUIT STAYS WITHIN 3% VOLTAGE DROP FOR A 15 AMP LOAD. IF NECESSARY, CONTRACTOR SHALL INCREASE WIRE AND CONDUIT SIZE TO MEET THE STANDARD AT NO ADDITIONAL COST TO OWNER.
12. CONTRACTOR SHALL VERIFY FURNITURE LAYOUT PRIOR TO ANY FLOORBOX OR POKE-THRU INSTALLATION. COORDINATE EXACT LOCATION OF FLOOR BOX OR POKE-THRU WITH OWNER AND FURNITURE PROVIDER PRIOR TO ROUGH-IN.

## ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MH	MANHOLE
AC	ALTERNATING CURRENT	MIC	MICROPHONE
A.F.F.	ABOVE FINISH FLOOR	MIN	MINIMUM
AIC	AMPS INTERRUPTING CAPACITY	MTG	MOUNTING
AM	AMPS METER	MTR	MOTOR
AMP	AMPERE	N/A	NOT APPLICABLE
ANN	ANNUNCIATOR	NC	NORMALLY CLOSED
ATS	AUTOMATIC TRANSFER SWITCH	NEC	NATIONAL ELECTRICAL CODE
AUX	AUXILIARY	NEMA	NATIONAL ELECT. MANUFAC. ASSOC.
AWG	AMERICAN WIRE GAUGE	NFC	NATIONAL FIRE CODE
BC	BARE COPPER	NFPA	NATIONAL FIRE PROTECTION ASSOC.
BFG	BELOW FINISH GRADE	N.I.C.	NOT IN CONTRACT
C	CONDUIT	NO	NORMALLY OPENED
CAB	CABINET	NTS	NOT TO SCALE
CATB	COMMUNITY ANTENNA TELEVISION	OS & Y	OUTSIDE SCREW & YOKE
CATV	CABLE TELEVISION	PB	PUSHBUTTON
CKT	CIRCUIT	PF	POWER FACTOR
CLG	CEILING	PFR	PHASE FAILURE RELAY
CNTR	CONTRACTOR	PNL	PANEL
C.O.	CONDUIT ONLY	PT	POTENTIAL TRANSFORMER
CRT	COMPUTER TERMINAL	PVC	POLYVINYL CHLORIDE CONDUIT
CT	CURRENT TRANSFORMER	(R)	RELOCATE
CU	COPPER	RECEP	RECEPTACLE
CW	COMPLETE WITH	REQ	REQUIREMENT
DB	DECIBEL	RLA	RATED LOAD AMPS
DC	DIRECT CURRENT	RMS	ROOT MEAN SQUARE
DWG	DRAWING	SE	SERVICE ENTRANCE
(E)	EXISTING	SPEC	SPECIFICATIONS
EC	EMPTY CONDUIT	SPKR	SPEAKER
EG	EMERGENCY GENERATOR	SS	SELECTOR SWITCH
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
EX	EXPLOSION PROOF	SWDB	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SWGR	SWITCHGEAR
FC	FOOT CANDLE	TTB	TELEPHONE TERMINAL BOARD
FT	FOOT	TTC	TELEPHONE TERMINAL CABINET
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
GRC	GALVANIZED RIGID CONDUIT	UG	UNDERGROUND
HP	HORSE POWER	UP	UTAH POWER
HZ	HERTZ	UPS	UNINTERRUPTED POWER SUPPLY
IG	ISOLATED GROUND	V	VOLT (KV-KILOVOLT)
IMC	INTERMEDIATE METALLIC CONDUIT	VA/R	VOLT-AMPS/REACTIVE
IN	INCH	VM	VOLT METER
J-BOX	JUNCTION BOX	W	WATTS
KV	KILOVOLT	W/	WITH
KVA	KILOVOLT AMPERES	WH	WATT HOUR METER
KVAR	KILOVARS	W/O	WITHOUT
KW	KILOWATT	WP	WEATHERPROOF
LRA	LOCKED ROTOR AMPS	XFMR	TRANSFORMER
LTG	LIGHTING	XP	EXPLOSION PROOF
MNF	MANUFACTURER	XP	EXPLOSION PROOF
MATV	MASTER ANTENNA TELEVISION	1P	SINGLE-PHASE
MAX	MAXIMUM	2P	TWO-POLE
MB	MAIN BUS	3P	THREE-POLE
MCC	MOTOR CONTROL CENTER	4P	FOUR-POLE
MCM	1000 CIRCULAR MILLS	Ø	PHASE

## SENSOR GENERAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE SENSOR MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS.
- EACH ZONE SHALL HAVE COVERAGE BY OCCUPANCY SENSOR SUCH THAT NO BLIND SPOT EXIST.
- UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE A TROUBLE FREE INSTALLATION.
- THE LOCATION AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.

## SHEET INDEX

E001	SYMBOLS, SCHEDULES AND NOTES
E002	SCHEDULES AND NOTES
E201	ELECTRICAL LIGHTING PLAN
E301	ELECTRICAL POWER AND SYSTEMS PLAN
E401	ELECTRICAL DIAGRAMS

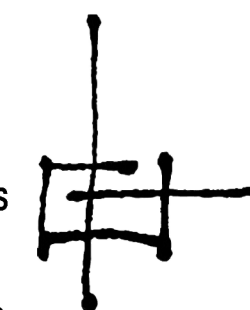
## ELECTRICAL SYMBOL SCHEDULE

- SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
- HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISH FLOOR.
- REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
- SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
- NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
- HEIGHT MEASURED TO TOP OF THE BOX FROM FINISH FLOOR.
- PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
- DOUBLE ARROWS DENOTE A DOUBLE FACE UNIT.
- COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
- SUBSCRIPT DENOTES NEMA CONFIGURATION.
- HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISH FLOOR.
- COORDINATE WITH DOOR HARDWARE SUPPLIER.

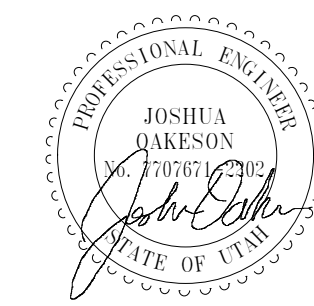
### STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
—	ONE CIRCUIT, HOME RUN TO PANEL			☐	CLOCK OUTLET	+7'-6"	8.
—	2 CIRCUIT, HOME RUN TO PANEL			☐	FLOOR BOX - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
—	3 CIRCUIT, HOME RUN TO PANEL			☐	POKE THRU - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
—	CONDUIT RUN CONCEALED IN WALL OR CEILING			☐	FLIP-TOP BOX		9.
-----	CONDUIT RUN CONCEALED IN FLOOR OR GROUND			☐	JUNCTION BOX (F" IN FLOOR)	AS NOTED	
○	CONDUIT UP			○	MOTOR OUTLET	TO SUIT EQUIP.	
●	CONDUIT DOWN			□	PUSHBUTTON	+4'-0"	6.
—	CONDUIT STUB LOCATION	CAP CONDUIT		□	NON-FUSED DISCONNECT SWITCH	+5'-0"	5.
—	CONDUIT/CIRCUIT CONTINUATION			☐	FUSED DISCONNECT SWITCH	+5'-0"	5.
—	CABLE TRAY	AS NOTED		\$	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+4'-0"	2.
○	CEILING LIGHT FIXTURE	CEILING	1.	☐	MAGNETIC STARTER	+5'-0"	7.
○	WALL LIGHT FIXTURE	AS NOTED	1.	☐	MAGNETIC STARTER / DISCONNECT COMBINATION	+5'-0"	
○	RECESSED DOWNLIGHT FIXTURE	CEILING	1.	☐	VARIABLE FREQUENCY DRIVE	+6'-6"	
○	RECESSED WALLWASH DOWNLIGHT FIXTURE	CEILING	1.	☐	PANEL BOARD	TOP AT +6'-0"	
○	LIGHT FIXTURE	AS NOTED	1	☐	MAIN DISTRIBUTION PANEL		
○	EGRESS LIGHT FIXTURE	AS NOTED	UNSWITCHED	☐	TELEPHONE TERMINAL BOARD		
●	AREA LIGHT POLE AND FIXTURE	CONCRETE BASE	SEE DIAGRAM	J	GROUND BUS BAR		
△	FLOOD OR TRACK FIXTURE	AS NOTED		☐	EQUIPMENT CABINET/RACK	CIRCUIT TO 120V	
⊗	CEILING/WALL MOUNTED EXIT LIGHT	CEILING/ AS NOTED	1.3.8.	☐	BELL	+7'-6"	
\$ <sup>x</sup>	SINGLE POLE SWITCH	+4'-0"	6. 4.	☐	CHIME	+7'-6"	
\$ <sup>3</sup>	THREE-WAY SWITCH	+4'-0"	6.	☐	FIRE ALARM MANUAL STATION	+4'-0"	6.
\$ <sup>4</sup>	FOUR-WAY SWITCH	+4'-0"	6.	☐	FIRE ALARM SIGNAL HORN/STROBE	+8'-0"	6.
\$ <sup>K</sup>	KEY OPERATED SWITCH	+4'-0"	6.	☐	CONCEALED FIRE ALARM SIGNAL HORN/STROBE	CEILING	
\$ <sup>P</sup>	SWITCH WITH PILOT LIGHT	+4'-0"	6.	☐	CONCEALED FIRE ALARM SIGNAL HORN/STROBE WALL	+8'-0"	6.
\$ <sup>D</sup>	VARIABLE INTENSITY SWITCH	+4'-0"	6.	☐	FIRE ALARM SIGNAL SPEAKER/STROBE	+8'-0"	6.
\$ <sup>TM</sup>	TIMER SWITCH	+4'-0"	6.	☐	CONCEALED FIRE ALARM SIGNAL SPEAKER/STROBE	CEILING	
☐	MOMENTARY CONTACT SWITCH	+4'-0"	6.	☐	CONCEALED FIRE ALARM SIGNAL SPEAKER/STROBE WALL	+8'-0"	6.
☐	LOW VOLTAGE WALL STATION (SUBSCRIPT INDICATES CONFIGURATION & CONTROL SEQUENCE)	+4'-0"	6. SEE DIAGRAM SPEC.	☐	FIRE ALARM STROBE	+8'-0"	6.
☐	CEILING/WALL MOUNTED OCCUPANCY SENSOR (SUBSCRIPT A=ANALOG, D=DIGITAL)	CEILING/ +4'-0"	6.	☐	CONCEALED FIRE ALARM SIGNAL STROBE	CEILING	
☐	POWER PACK	CEILING	SEE DIAGRAM, SPEC.	☐	CONCEALED FIRE ALARM SIGNAL STROBE WALL	+8'-0"	6.
☐	DIGITAL ROOM CONTROLLER (SUBSCRIPT INDICATES NUMBER OF RELAYS)	CEILING	SEE DIAGRAM, SPEC.	☐	FIRE ALARM SPEAKER ONLY	+8'-0"	6.
☐	EMERGENCY LIGHTING CONTROL UNIT	ABOVE CEILING	SEE DIAGRAM, SPEC.	☐	FIRE ALARM SIGNAL STROBE WITH BLUE COLORED LENS (CO VISUAL ALARM)	CEILING/ +8'-0"	MOUNT AS PER MFR.
☐	RECEPTACLE SWITCH PACK	CEILING		☐	ASPIRATING SMOKE DETECTION SYSTEM	CEILING	MOUNT AS PER MFR.
☐	AUTOMATIC RELAY PACK	CEILING	SEE DIAGRAM, SPEC.	☐	SMOKE DETECTOR	CEILING	
☐	LOW VOLTAGE TRANSFORMER			☐	SMOKE/CARBON MONOXIDE DETECTOR	CEILING	
☐	PHOTO-ELECTRIC CONTROL	AS NOTED	TORK 2000A	☐	CARBON MONOXIDE DETECTOR	CEILING	
☐	DIGITAL DAYLIGHT SENSOR	CEILING	SEE DIAGRAM, SPECIFICATION	☐	HEAT DETECTOR	CEILING	
☐	TIME CLOCK	+5'-0"	2.	☐	DUCT SMOKE DETECTOR		MTD. IN DUCT
☐	DUPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.	☐	FIRE/SMOKE DAMPER		
☐	SIMPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.	☐	DOOR HOLDER	AS NOTED	
☐	SIMPLEX RECEPTACLE WITH USB OUTLET	+16" OR AS NOTED	9. 11.	☐	FLOW SWITCH		
☐	DUPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.	☐	TAMPER SWITCH		
☐	DUPLEX RECEPTACLE WITH USB OUTLET	+16" OR AS NOTED	9. 11.	☐	WATER FLOOD INDICATOR		
☐	CONTROLLED RECEPTACLE	+16" OR AS NOTED	9. 11.	☐	O.S. & Y. VALVE	SEE DIAGRAM	
☐	DUPLEX RECEPTACLE	9.		☐	FIRE ALARM RELAY OR SECURITY RELAY		
☐	ELECTRIC WATER COOLER RECEPTACLE	SEE DIAGRAM		☐	FIRE ALARM CONTROL MODULE		
☐	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED	2. 9.	☐	FIRE ALARM MONITOR MODULE		
☐	ISOLATED GROUND RECEPTACLE	+16" OR AS NOTED	2. 9.	☐	TWO-WAY COMMUNICATION SYSTEM ANNUNCIATOR PANEL	+4'-0"	6.
☐	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.	☐	TWO-WAY COMMUNICATION SYSTEM CALL STATION	+4'-0"	6.
☐	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+16" OR AS NOTED	9. 11.	☐	DURESS PUSHBUTTON	+4'-0"	6.
☐	FOURPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.	☐	SECURITY SYSTEM DOOR SWITCH	DOOR JAMB	
☐	GROUND FAULT INTERRUPTER FOURPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.	☐	SECURITY SYSTEM OVERHEAD DOOR SWITCH	CEILING	MOUNT AS PER MFR.
☐	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)	+16" OR AS NOTED	9. 11.	☐	MAGNETIC SHEAR LOCK		
☐	TVSS PROTECTED RECEPTACLE	+16" OR AS NOTED	9. 11.	☐	SECURITY SYSTEM KEYED ACCESS SWITCH	+4'-0"	6.
☐	SPECIAL PURPOSE OUTLET	+16" OR AS NOTED	10. WITH CAP. 11	☐	SECURITY SYSTEM KEYPAD	+4'-0"	6.
☐	CORD DROP	SEE DIAGRAM		☐	INFRARED SENSOR	AS NOTED	
☐	CORD REEL	SEE DIAGRAM		☐	SECURITY MOTION DETECTOR		MOUNT AS PER MFR.
☐	TOMBSTONE RECEPTACLE			☐	SECURITY SYSTEM POP-IT		MOUNT AS PER MFR.
☐	PLUGMOLD	+46" OR AS NOTED		☐	GLASS BREAK DETECTOR	CEILING	
☐	TELEVISION OUTLET	+16" OR AS NOTED	11.	☐	ELECTRIC DOOR STRIKE		12.
☐	POWER POLE			☐	ELECTRIC DOOR LOCK		12.
☐	FLAT PANEL DISPLAY WALL BOX TVSS RECEPT. DATA AND OTHER DEVICES, REFER TO DIAGRAMS	AS NOTED	SEE DIAGRAM, SPEC. 26 2726	☐	ACCESS CONTROL SYSTEM, REQUEST TO EXIT		
☐	CEILING PROJECTION SYSTEM CEILING BOX	AS NOTED	SEE DIAGRAM, SPEC.	☐	ACCESS CONTROL CARD READER	+4'-0"	6.
☐	DATA OUTLET, ONE CABLE	+16" OR AS NOTED	9. 11.	☐	ACCESS CONTROL BIOMETRIC READER	+4'-0"	6.
☐	DATA OUTLET, TWO CABLES	+16" OR AS NOTED	9. 11.	☐	CAMERA - SEE SCHEDULE	AS NOTED	SEE DIAGRAM, SPEC.
☐	DATA OUTLET, THREE CABLES	+16" OR AS NOTED	9. 11.	☐	DOOR POSITION INDICATING SWITCH		
☐	DATA OUTLET (SUBSCRIPT INDICATES CABLE QTY)	+16" OR AS NOTED	9. 11.	☐	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
☐	WIRELESS ACCESS POINT, TWO CABLES	+16" OR AS NOTED	9. 11.	☐	EQUIPMENT NUMBER		
☐	CALL SWITCH	+4'-0"	6.	☐	ARCHITECTURAL ROOM NUMBER		
				☐	DEVICE/EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE		

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION

SOUTHRIDGE PARK NEW  
RESTROOMS BUILDING 1

5051 SOUTH 4015 WEST  
TAYLORSVILLE, UTAH

SHEET NAME:

SYMBOLS, SCHEDULES  
AND NOTES

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATE: 03/17/15  
ISSUE TYPE: PERMIT SET  
DRAWN BY: Author  
CHECKED BY: Checker  
PROJECT#: 1930.01

SHEET NUMBER:

**E001**





9/19/2019 2:35:04 PM  
 D:\Autodesk\user Files\Revit\2019\19227 Salt Lake County Southridge Restrooms  
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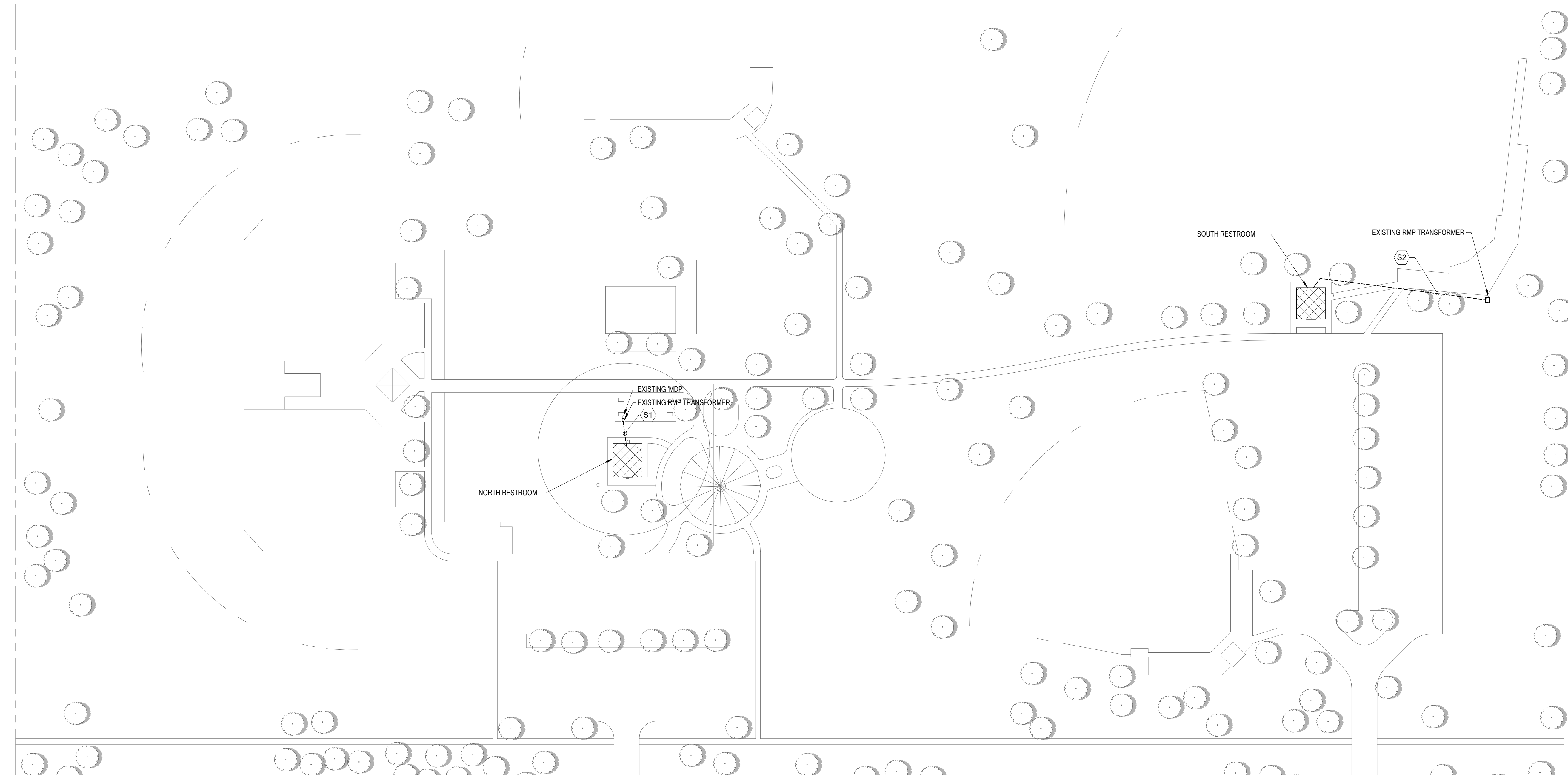
1  
2  
3  
4  
5  
A  
B  
C  
D

### GENERAL SHEET NOTES

1. ALL THE ELECTRICAL PANELS IN THE EXISTING BUILDING TO BE DEMOLISHED. ALL THE EXISTING FEEDERS, CONDUIT AND BRACH WIRING TO REMAIN DURING DEMOLITION. WHERE CONDUIT/WIRE LENGTH IS INSUFFICIENT TO RUN TO NEW PANEL LOCATION, PROVIDE HDPE BOX WITH DIMENSIONS SUFFICIENT FOR NUMBER OF CONDUITS. EXTEND CONDUIT AND SPLICE WIRE TO NEW PANEL.
2. ELECTRICAL CONTRACTOR TO PROVIDE NECESSARY WIRING AND CONDUIT AS NECESSARY FOR A COMPLETE OPERATION.

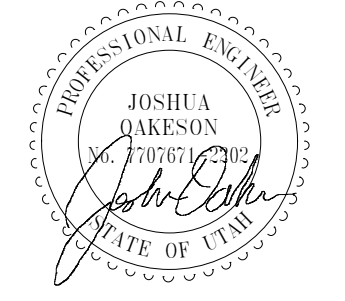
### SHEET KEYNOTES

S1	DEMOLISH THE EXISTING CONDUIT UNTIL THE EXISTING BUILDING FOOT PRINT AND DEMOLISH THE EXISTING FEEDER FROM THE EXISTING MDP TO OLD PANEL LOCATION. PROVIDE ADDITIONAL CONDUIT FROM THE EXISTING CONDUIT POINT TO NEW PANEL LOCATION. RUN (3) #20 ALUMINUM WITH (1) #4 AL EQUIPMENT GROUND CONDUCTOR IN EXISTING CONDUIT RUN TO THE NEW PANEL LOCATION.
S2	DEMOLISH THE EXISTING CONDUIT UNTIL THE EXISTING BUILDING FOOT PRINT AND DEMOLISH THE EXISTING FEEDER FROM THE EXISTING MDP TO OLD PANEL LOCATION. PROVIDE ADDITIONAL CONDUIT FROM THE EXISTING CONDUIT POINT TO NEW PANEL LOCATION. RUN (4) #350 ALUMINUM WITH (1) #2 AL EQUIPMENT GROUND CONDUCTOR IN EXISTING CONDUIT RUN TO THE NEW PANEL LOCATION.



**ELECTRICAL SITE PLAN**  
 SCALE = 1" = 50'-0"

**ajc architects**  
 703 east 1700 south  
 salt lake city, ut 84105  
 ajcarchitects.com



ARCHITECT / CONSULTANT

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AUTHORITY HAVING JURISDICTION  
 PROJECT DESCRIPTION  
**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**  
**5051 SOUTH 4015 WEST TAYLORSVILLE, UTAH**

SHEET NAME:  
**ELECTRICAL SITE PLAN**

REVISIONS	MARK	DATE	DESCRIPTION

ISSUE DATE: **09/11/19**  
 ISSUE TYPE: **PERMIT SET**  
 DRAWN BY: **Author**  
 CHECKED BY: **Checker**  
 PROJECT#: **1930.01**

SHEET NUMBER:

# E101

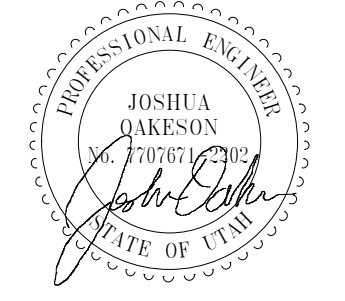
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### GENERAL SHEET NOTES

1. PROVIDE UNSWITCHED HOT CONDUCTORS FOR ALL EMERGENCY AND EXIT LIGHT FIXTURES.

### SHEET KEYNOTES

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 TAYLORSVILLE, UTAH**

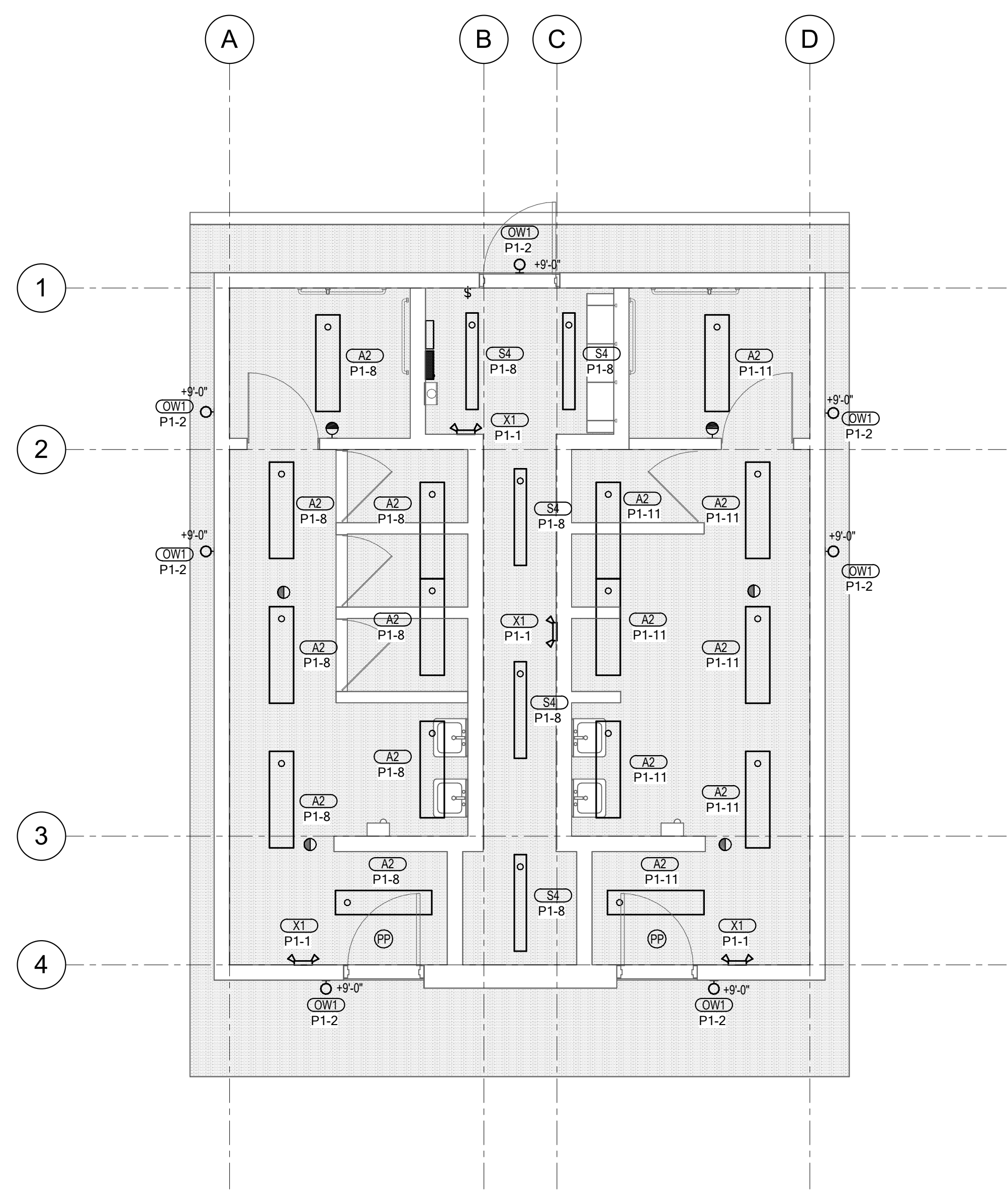
SHEET NAME:  
**ELECTRICAL LIGHTING PLAN**

REVISIONS		
MARK	DATE	DESCRIPTION

ISSUE DATE: **03/17/15**  
 ISSUE TYPE: **PERMIT SET**  
 DRAWN BY: **Author**  
 CHECKED BY: **Checker**  
 PROJECT#: **1930.01**

SHEET NUMBER:

**E201**



**ELECTRICAL LIGHTING PLAN**  
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### GENERAL SHEET NOTES

- ALL THE ELECTRICAL PANELS IN THE EXISTING BUILDING TO BE DEMOLISHED. ALL THE EXISTING FEEDERS, CONDUIT AND BRACH WIRING TO REMAIN DURING DEMOLITION. WHERE CONDUIT/WIRE LENGTH IS INSUFFICIENT TO RUN TO NEW PANEL LOCATION. PROVIDE HDPE BOX WITH DIMENSIONS SUFFICIENT FOR NUMBER OF CONDUITS. EXTEND CONDUIT AND SPLICE WIRE TO NEW PANEL.
- ELECTRICAL CONTRACTOR TO PROVIDE NECESSARY WIRING AND CONDUIT AS NECESSARY FOR A COMPLETE OPERATION.

### SHEET KEYNOTES

- E1 PROVIDE POWER FOR HAND DRYER. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR ELEVATION.
- E2 PROVIDE POWER FOR ELECTRIC MORTIZE LOCK. COORDINATE WITH SHOP DRAWINGS FOR WIRING AND TERMINATION REQUIREMENTS.
- E4 PROVIDE A NEW SINGLE PHASE 120/240V ELECTRICAL PANEL. REFER TO SITE PLAN FOR FEEDER AND CONDUIT REQUIREMENTS. ELECTRICAL CONTRACTOR TO REPLACE EXISTING BREAKERS IN THE OLD PANEL TO NEW PANEL. DETERMINE AND REITERMINATE CONDUCTORS AS REQUIRED. PROVIDE ADDITIONAL WIRING AND CONDUIT AS NECESSARY.
- E5 PROVIDE POWER FOR IRRIGATION CONTROL PANEL. COORDINATE LOCATION WITH ARCHITECT DRAWINGS PRIOR TO ROUGH-IN.
- L1 LIGHTING CONTACTOR. RUN ALL EXTERIOR LIGHT FIXTURES THROUGH LIGHTING CONTACTOR. REFER TO POT/E401 FOR SCHEDULE. ALL THE EXISTING LIGHTING BRANCH CIRCUITS TO BE RUN THROUGH THE CONTACTOR.
- L2 PROVIDE TIME CLOCK TO CONTROL ALL THE EXTERIOR AND PARK LIGHTING. COORDINATE WITH OWNER FOR CONTROLLING SEQUENCE.

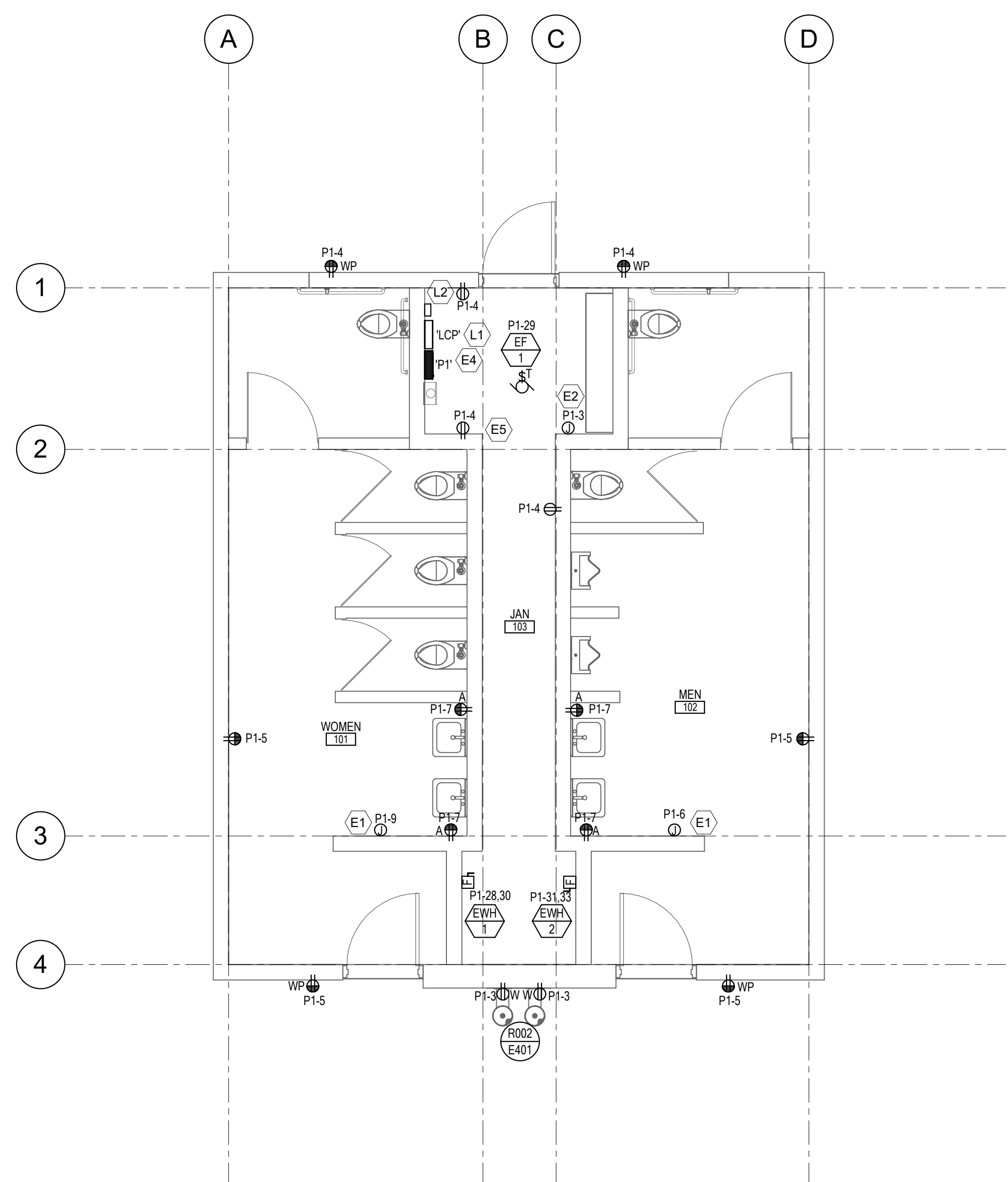
### PANELBOARD SCHEDULE

PANEL: P1 TYPE: Type 1 VOLTS: 120/240 Single PHASE: 1 WIRES: 3

MOUNTING: Surface LOCATION: JAN 103 MAINS: MCB  
 BUSSING: FED FROM: X SUBFEED LUGS  
 AMP: 125 A X DOOR-IN-DOOR  
 ISO GROUND  
 200% NEUTRAL  
 SPD

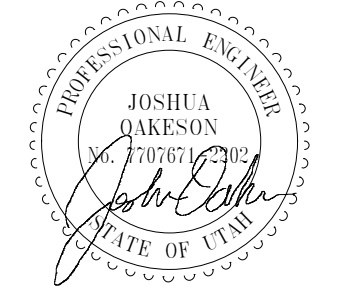
BRANCH BREAKERS														
ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	A	B	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM	
EMERGENCY LIGHTING	20 A	1	12	1	4 VA		224 VA		2	12	1	20 A	LIGHTING	
WATER COOLER *	20 A	1	12	3		360 VA		900 VA	4	12	1	20 A	RECEPTACLE	
RECEPTACLE	20 A	1	12	5	720 VA		1000 VA		6	10	1	20 A	HAND DRYER	
RECEPTACLE MEN 102	20 A	1	12	7		720 VA		1040 VA	8	12	1	20 A	LIGHTING	
HAND DRYER	20 A	1	10	9	1000 VA		0 VA		10	--	2	50 A	EXISTING	
LIGHTING	20 A	1	12	11		360 VA		0 VA	12	--	--	--	--	
EXISTING	50 A	2	--	13	0 VA		0 VA		14	--	1	20 A	EXISTING	
EXISTING	20 A	1	--	15	0 VA		0 VA		16	--	1	20 A	EXISTING	
EXISTING	20 A	1	--	17	0 VA		0 VA		18	--	1	20 A	EXISTING	
EXISTING	20 A	1	--	19	0 VA		0 VA		20	--	1	20 A	EXISTING	
EXISTING	20 A	1	--	21	0 VA		0 VA		22	--	1	20 A	EXISTING	
EXISTING	20 A	1	--	23	0 VA		0 VA		24	--	2	50 A	EXISTING	
EXISTING	100 A	2	--	25	0 VA		0 VA		26	--	--	--	--	
EF-1	20 A	1	--	29	222 VA		3750 VA		30	--	--	--	EW-1	
EW-2	50 A	2	6	31		3750 VA		0 VA	32	--	1	20 A	SPARE	
SPARE	20 A	1	--	33	3750 VA		0 VA		34	--	1	20 A	SPARE	
SPARE	20 A	1	--	35	0 VA		0 VA		36	--	1	20 A	SPARE	
SPARE	20 A	1	--	37	0 VA		0 VA		38	--	1	20 A	SPARE	
SPARE	20 A	1	--	39	0 VA		0 VA		40	--	1	20 A	SPARE	
SPARE	20 A	1	--	41	0 VA		0 VA		42	--	1	20 A	SPARE	
					10670	11380	TOTAL (VA)							CONNECTED LOAD TOTAL
					89 A	95 A	AMPS/PHASE							22050 VA
												10,000	AMPS RMS SYSM.	

Legend:  
 \* PROVIDE 5mA GFCI CIRCUIT BREAKER



**ELECTRICAL POWER AND SYSTEMS PLAN**  
 SCALE = 1/4" = 1'-0"

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AUTHORITY HAVING JURISDICTION

PROJECT DESCRIPTION  
**SOUTHRIDGE PARK NEW RESTROOMS BUILDING 1**

**5051 SOUTH 4015 WEST TAYLORSVILLE, UTAH**

SHEET NAME:  
**ELECTRICAL POWER AND SYSTEMS PLAN**

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