

# City of Florence

Lane County, Oregon

**VOLUME 2 - Project Drawings**

FOR THE CONSTRUCTION OF

## **Miller Park Restroom & Concessions Building**

October 2018  
Project No. 1503-0016



Prepared By:

**Civil West Engineering Services, Inc.**

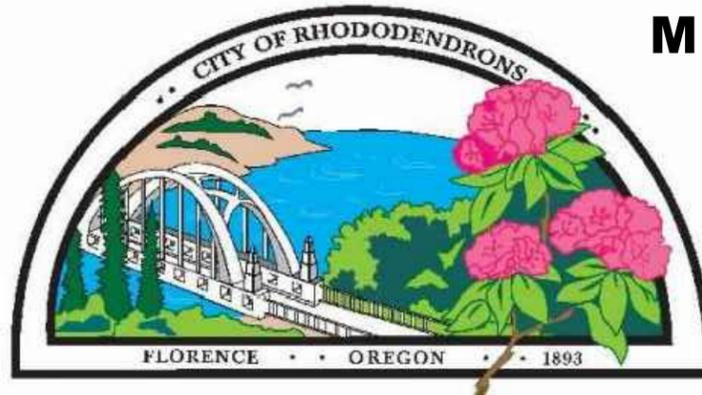
486 E Street • Coos Bay, Oregon 97420 • Ph. 541.266.8601, Fax 541.266.8681 • [www.civilwest.com](http://www.civilwest.com)  
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# CITY OF FLORENCE

## MILLER PARK



# MILLER PARK RESTROOM & CONCESSIONS BUILDING

PROJECT NO. 1503-016  
JULY 2018



### VICINITY MAP



**PROJECT LOCATION:** MILLER PARK, CITY OF FLORENCE  
MAP & TAX LOT # 18122710100

### PROJECT DIRECTORY + UTILITY REPRESENTATIVE CONTACT INFORMATION:

|  |   |   |  |
|--|---|---|--|
| <b>CIVIL ENGINEER</b><br>CIVIL WEST ENGINEERING<br>486 E STREET<br>COOS BAY, OREGON 97420<br>541-266-8601  | <b>CITY OF FLORENCE</b><br>MIKE MILLER<br>250 US HWY 101<br>FLORENCE, OREGON 97439<br>541-997-4106  | <b>CHARTER SPECTRUM</b><br>JOSHUA LIGHTNER<br>joshua.lightner@charter.com<br>541-921-9189                             | <b>COASTCOM BY WAVE</b><br>PETE KALNINS<br>pete@coastcom.net<br>541-351-0157 |
| <b>STRUCTURAL ENGINEER</b><br>PRECISION STRUCTURAL<br>ENGINEERING<br>BRIANH@STRUCTURE1.COM<br>541-850-6300 | <b>CENTRAL LINCOLN PUD</b><br>ROBIN HICKS<br>966 HWY 101<br>FLORENCE, OR 97439<br>rhicks@cencoast.com<br>541-997-5617<br>(alt) 541-997-3414 | <b>CENTURY LINK</b><br>CHRISTOPHER SILVA<br>christopher.j.silva@centurylink.com<br>p: 541-608-4511<br>m: 541-255-5370 |  |



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Designed By: ALF    Drawn By: ALF    Checked By: JBH  
Project No: 1503-016

CITY OF FLORENCE  
MILLER PARK  
MILLER PARK RESTROOM & CONCESSIONS  
BUILDING  
COVER

Sheet No: **G001**  
Date: **JULY 2018**



DATE: 10/10/18 FILE: CIVIL Projects\1503 Florence - Miller Parks Restroom & Concessions Building\Drawings\DWG\1503-016 DESIGN.dwg



1  
A100

**SITE / EXISTING UTILITIES PLAN**  
SCALE: 1" = 20'-0"

LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS SHEET ARE APPROXIMATE ONLY. BUILDER SHALL LOCATE UTILITIES PRIOR TO COMMENCEMENT OF WORK ON SITE.



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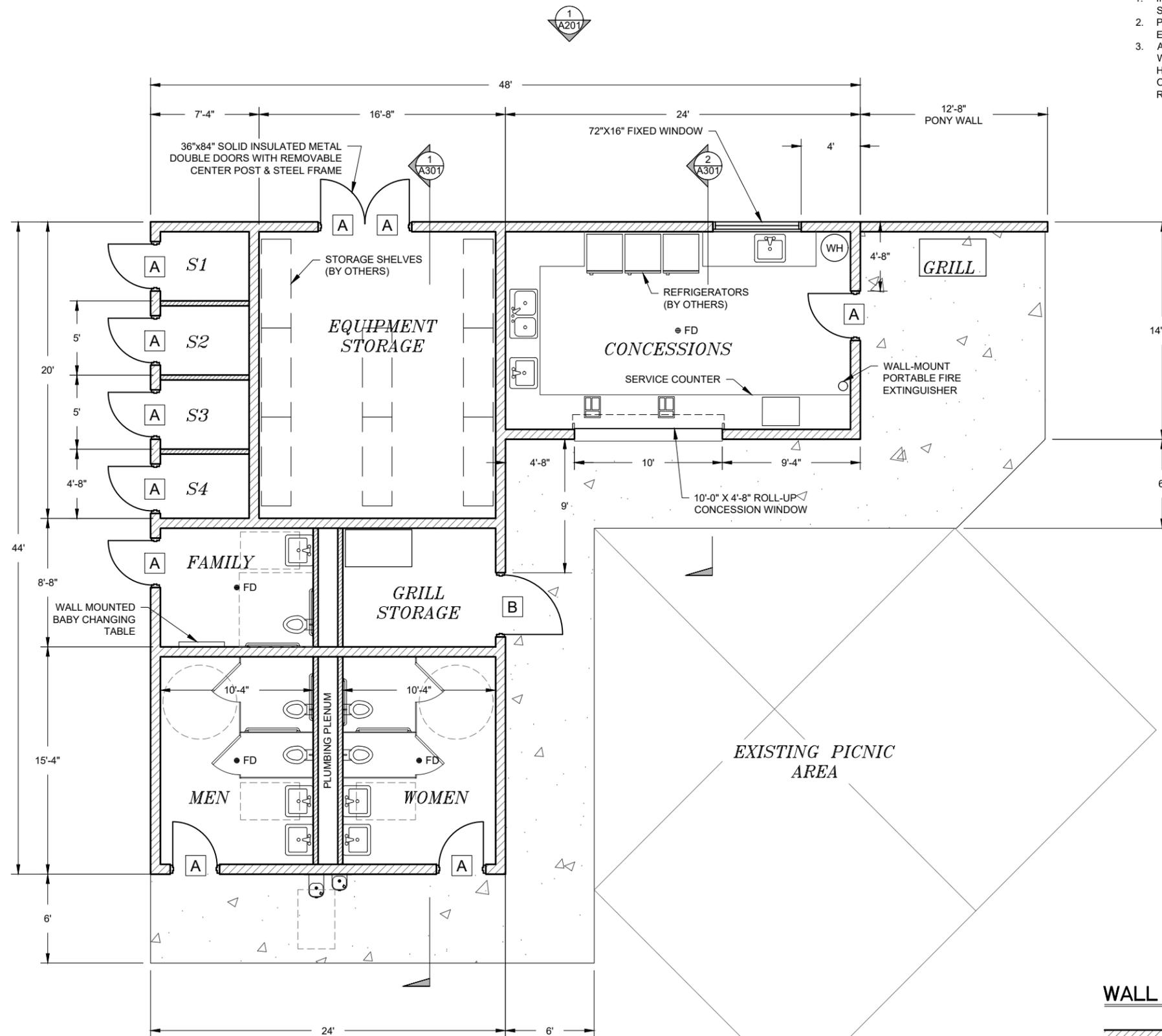
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| CITY OF FLORENCE<br>MILLER PARK                |
| MILLER PARK RESTROOM & CONCESSIONS<br>BUILDING |
| <b>SITE + EXISTING UTILITIES PLAN</b>          |
| Sheet No: <b>A100</b>                          |
| Date: <b>JULY 2018</b>                         |

DATE: 10/10/18 FILE: O:\CW\Projects\1503 Florence - Miller Parks Restroom & Concessions Building\Drawings\DWG\1503-016 DESIGN.dwg

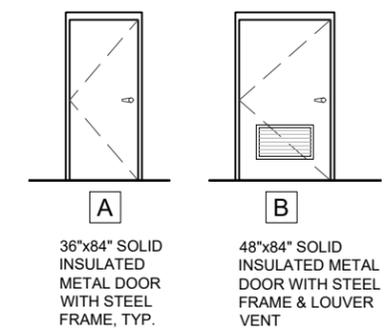


**SHEET NOTES:**

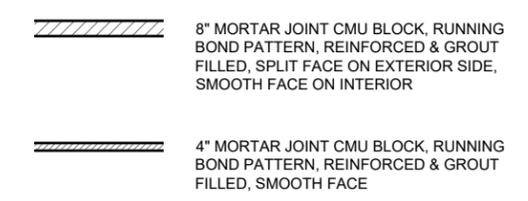
1. IN ROOMS WITH FLOOR DRAIN, FINISHED FLOOR SHALL SLOPE TOWARD DRAIN AT 2% MAX (1% MIN).
2. PROVIDE BLOCKOUTS FOR PLUMBING, MECHANICAL, & ELECTRICAL AS REQUIRED. COORDINATE WITH SUBS.
3. ALL RESTROOM PARTITION DOORS SHALL BE EQUIPPED WITH SELF CLOSING DEVICE. A LOOP OR U SHAPED HANDLE WILL BE PROVIDED ON THE INSIDE AND OUTSIDE OF THE ADA STALL DOOR WITH HARDWARE NOT REQUIRING GRASPING OR TWISTING.

IF CONTRACTOR DISCOVERS DISCREPANCIES BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS, ARCHITECTURAL DRAWINGS SHALL SUPERCEDE. CONTRACTOR SHALL NOTIFY ENGINEER OF SUCH DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION OF THE WORK.

**DOOR SCHEDULE**



**WALL TYPE SCHEDULE**



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



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MILLER PARK

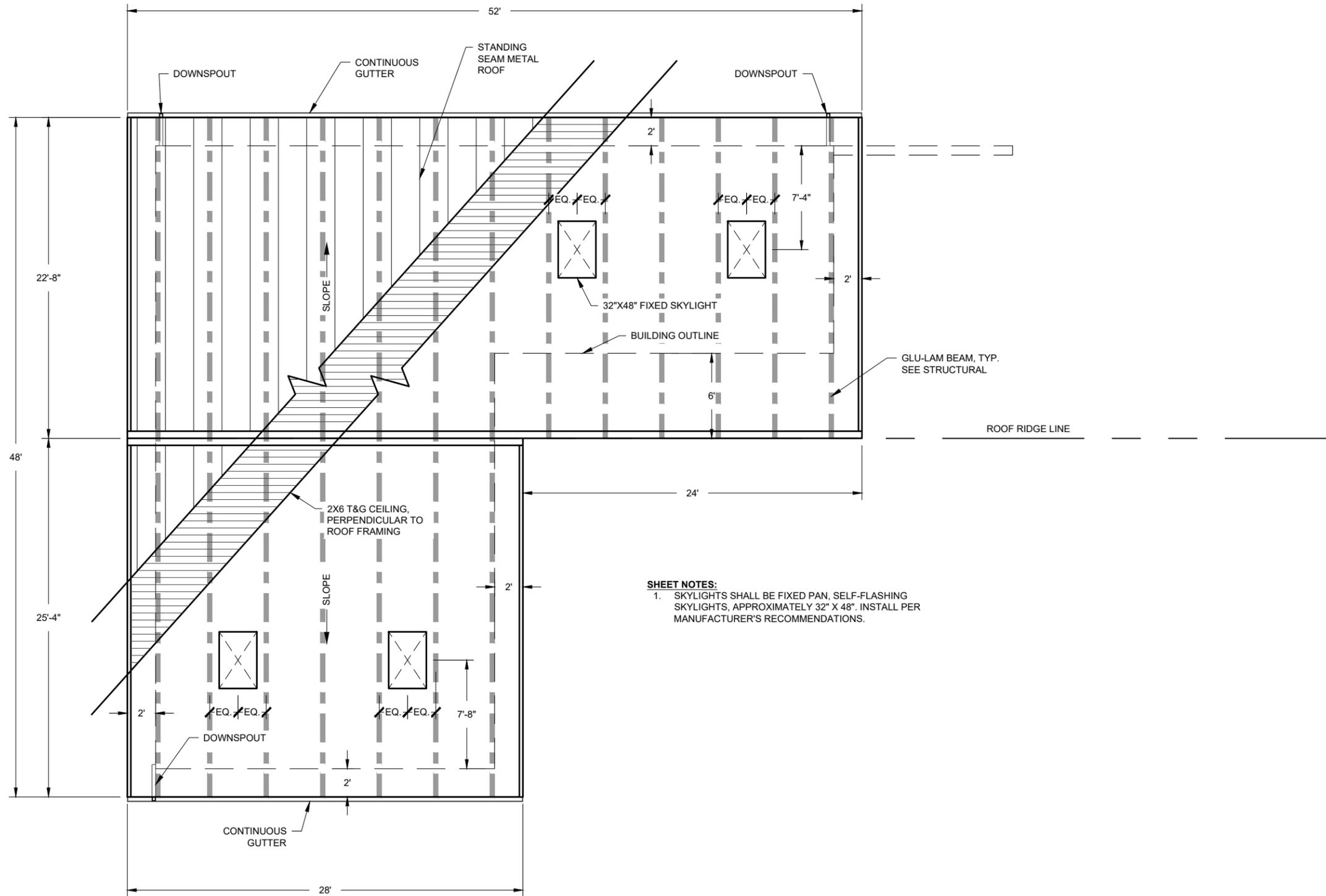
MILLER PARK RESTROOM & CONCESSIONS  
BUILDING

**A101**

**JULY 2018**

FLOOR PLAN

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**SHEET NOTES:**  
 1. SKYLIGHTS SHALL BE FIXED PAN, SELF-FLASHING SKYLIGHTS, APPROXIMATELY 32" X 48". INSTALL PER MANUFACTURER'S RECOMMENDATIONS.



1  
A102

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



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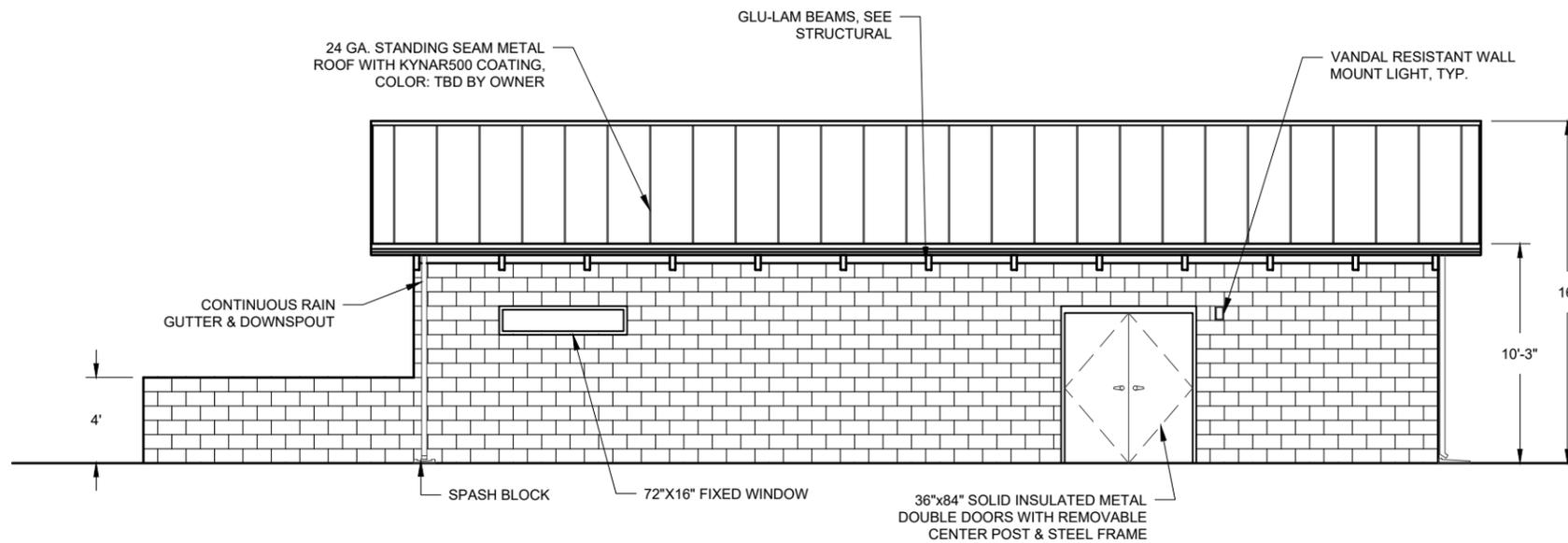
  

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 MILLER PARK RESTROOM & CONCESSIONS  
 BUILDING  
 ROOF PLAN

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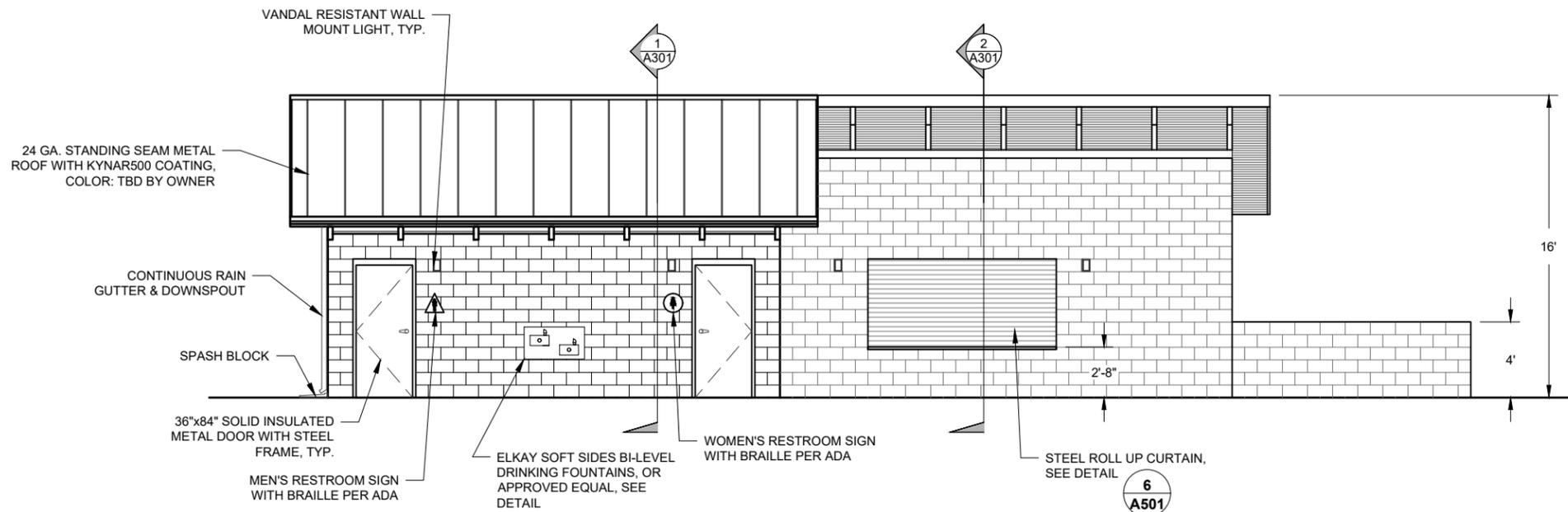
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1  
A201

**NORTH ELEVATION**

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



2  
A201

**SOUTH ELEVATION**

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



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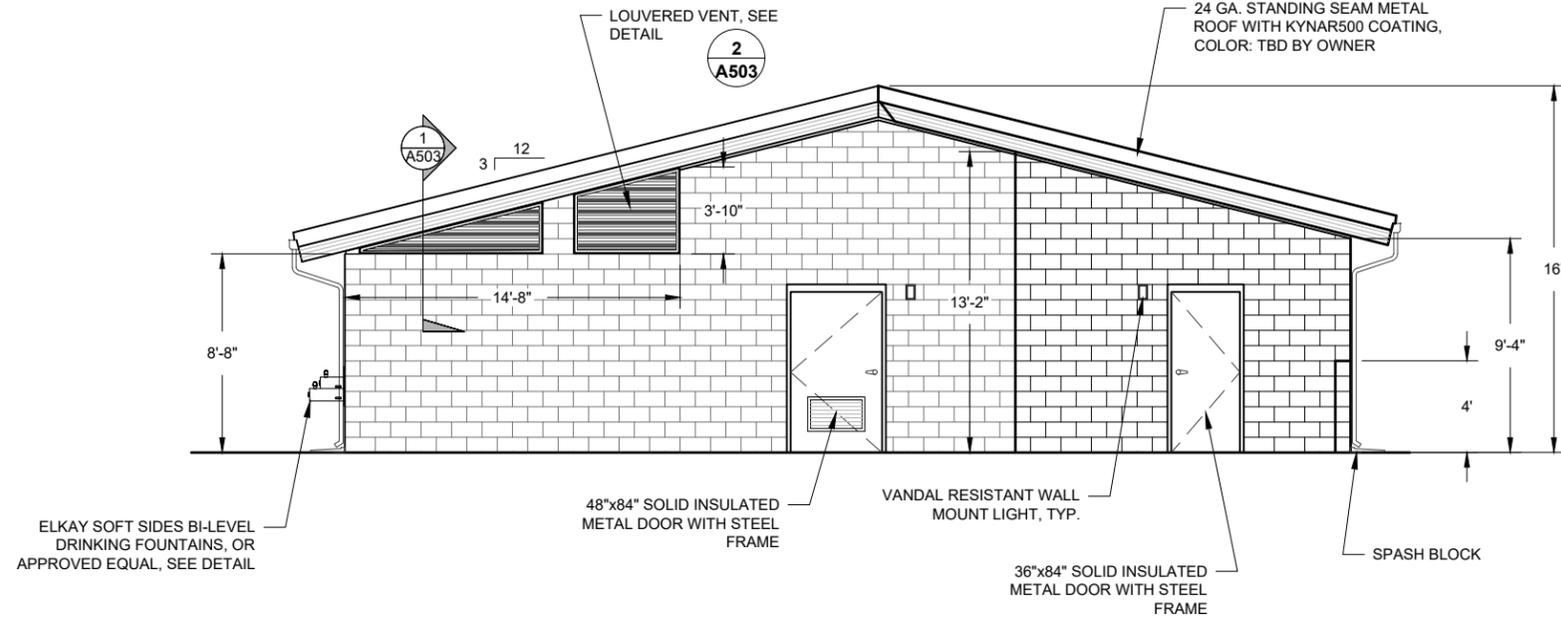
  

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MILLER PARK  
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BUILDING  
BUILDING ELEVATIONS

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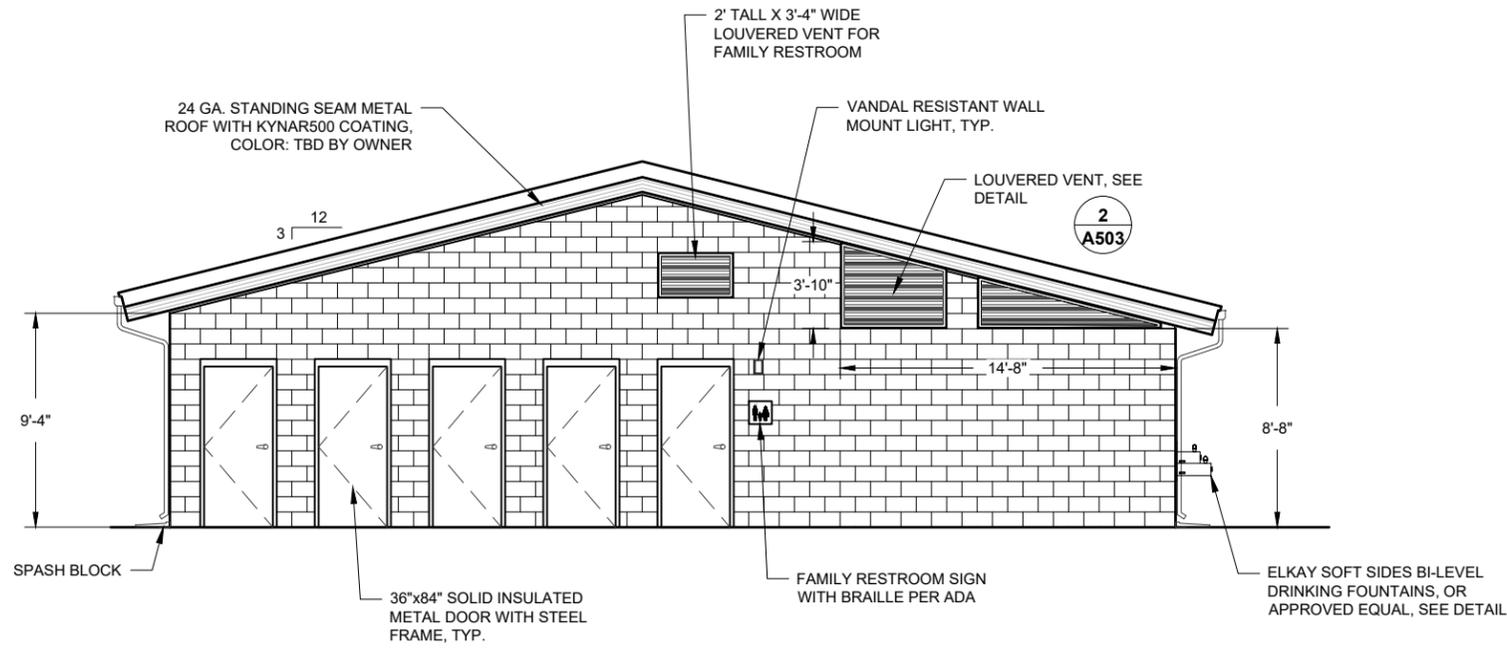
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1  
A202

**EAST ELEVATION**

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



2  
A202

**WEST ELEVATION**

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



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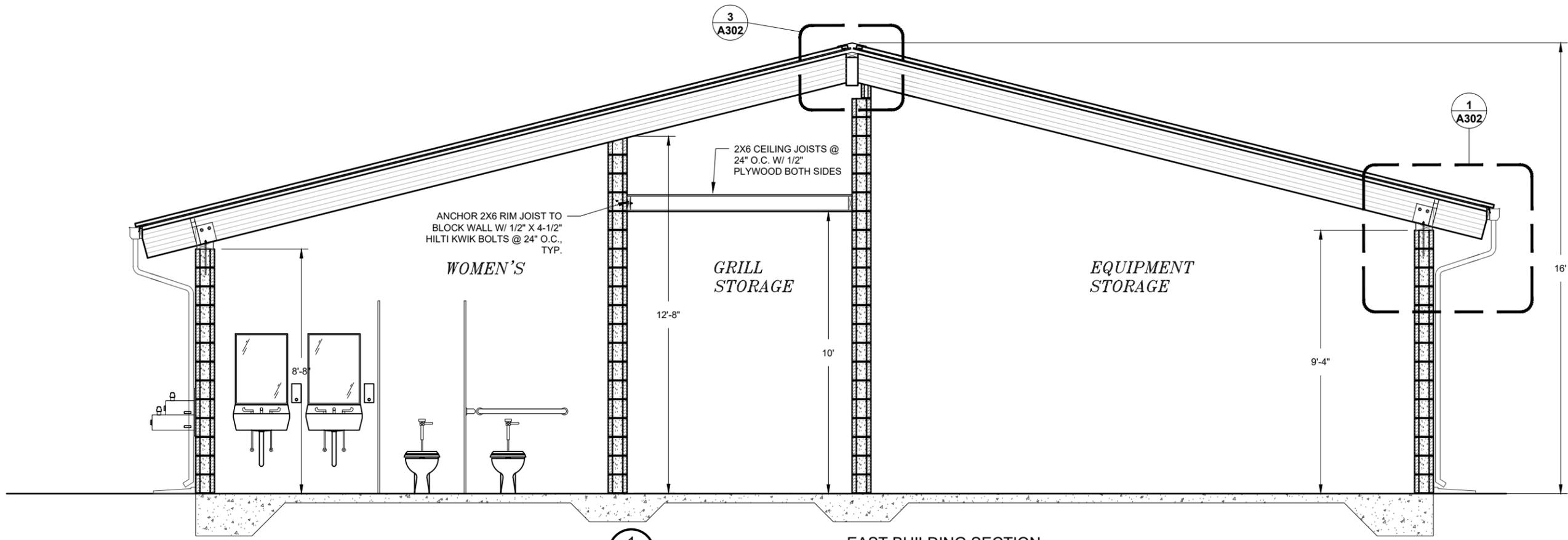
  

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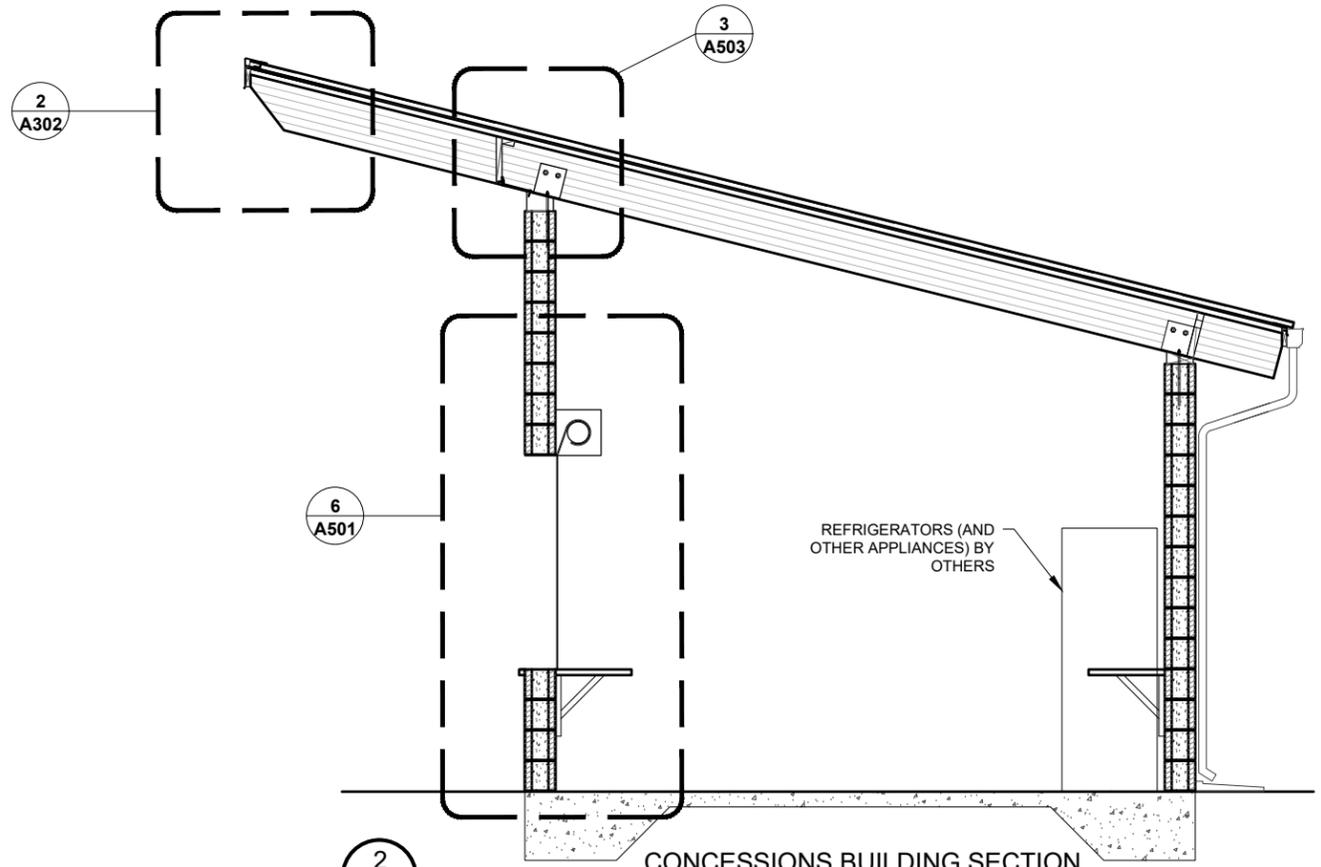
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MILLER PARK  
MILLER PARK RESTROOM & CONCESSIONS  
BUILDING  
BUILDING ELEVATIONS

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**1**  
A301  
**EAST BUILDING SECTION**  
SCALE: 1/4" = 1'-0"



**2**  
A301  
**CONCESSIONS BUILDING SECTION**  
SCALE: 1/4" = 1'-0"



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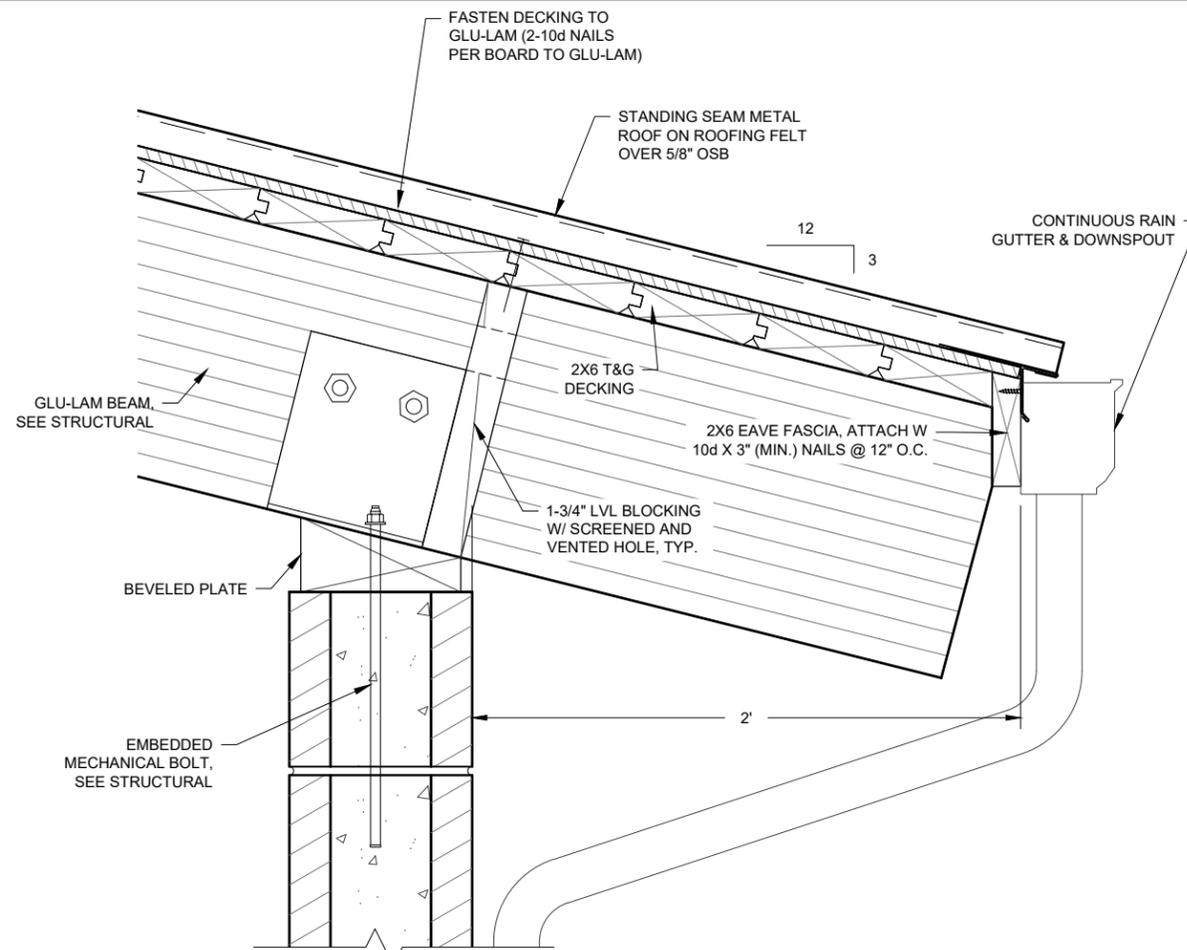
  

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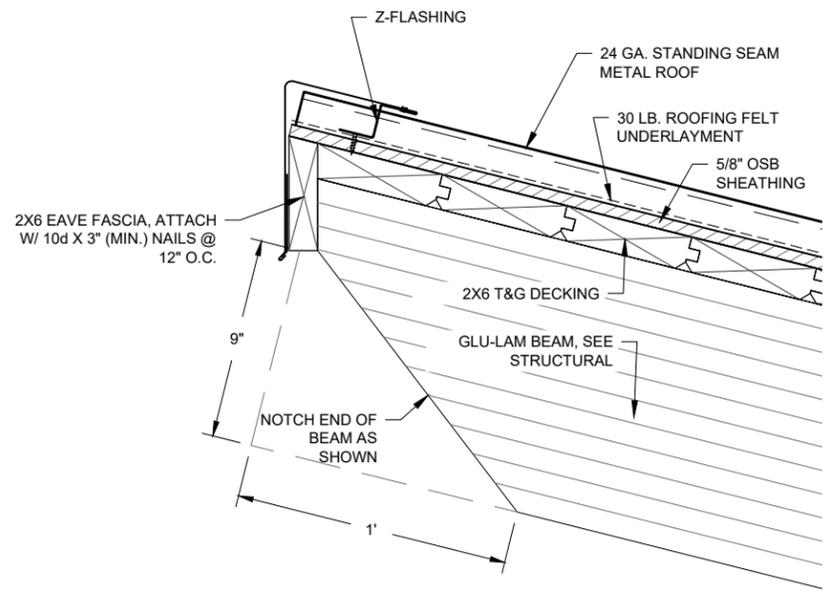
CITY OF FLORENCE  
MILLER PARK  
MILLER PARK RESTROOM & CONCESSIONS  
BUILDING  
BUILDING SECTIONS

Sheet No: **A301**  
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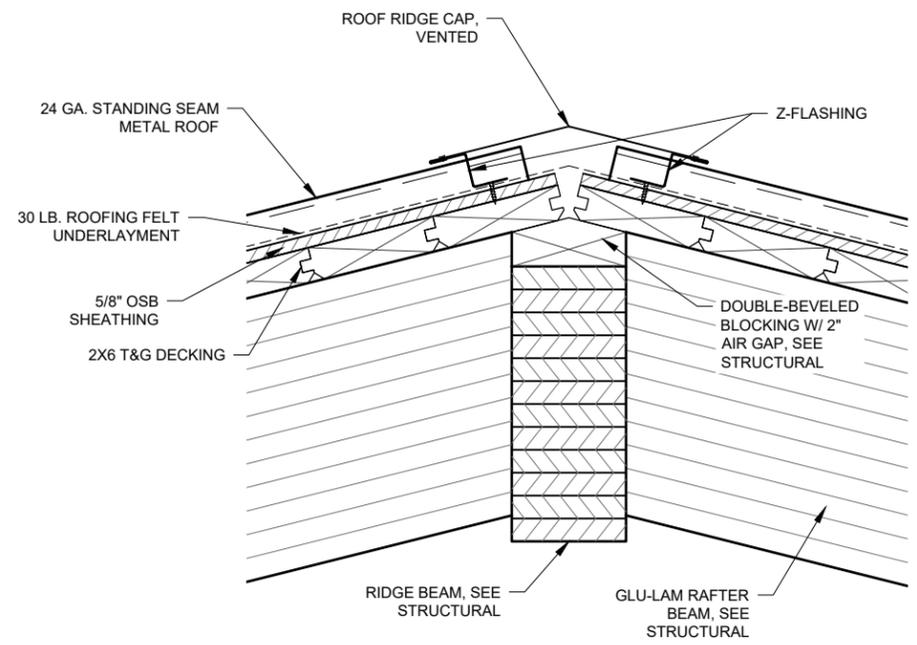
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**1**  
A302  
**EAVE CONNECTION DETAIL, TYP.**  
SCALE: 1-1/2" = 1'-0"



**2**  
A302  
**CANTILEVER RIDGE DETAIL**  
SCALE: 2" = 1'-0"



**3**  
A302  
**ROOF RIDGE DETAIL**  
SCALE: 2" = 1'-0"



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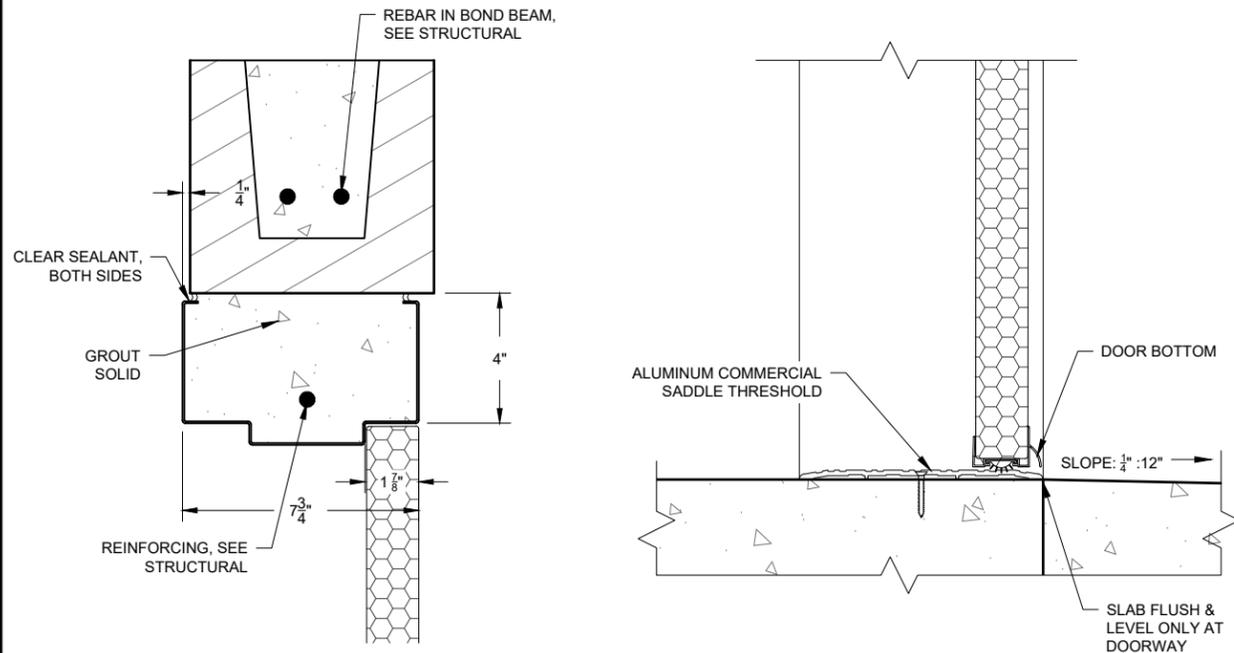
  

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SECTION DETAILS

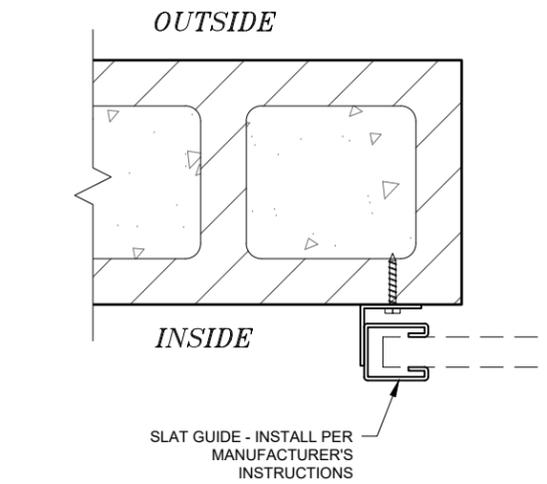
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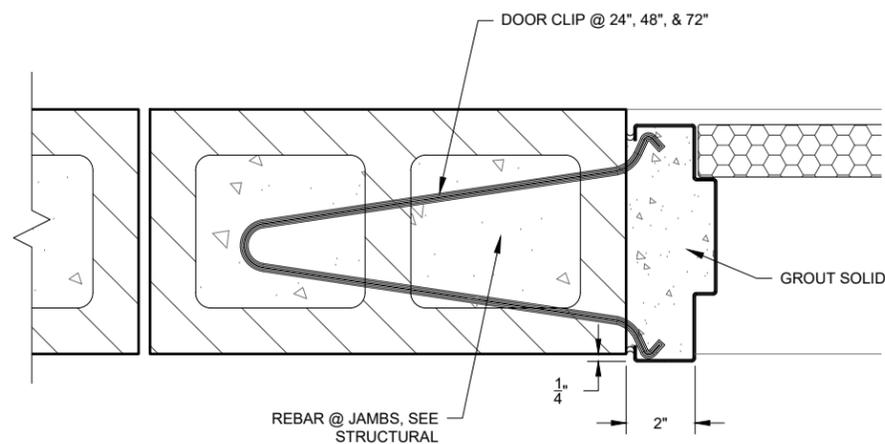


**1** DOOR HEADER DETAIL  
A501 SCALE: 2" = 1'-0"

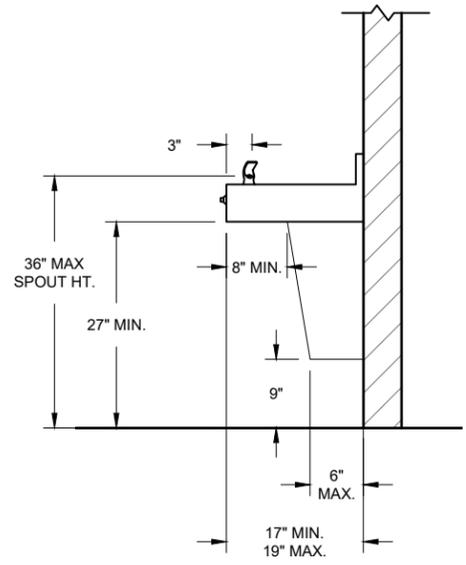
**2** DOOR THRESHOLD DETAIL  
A501 SCALE: 2" = 1'-0"



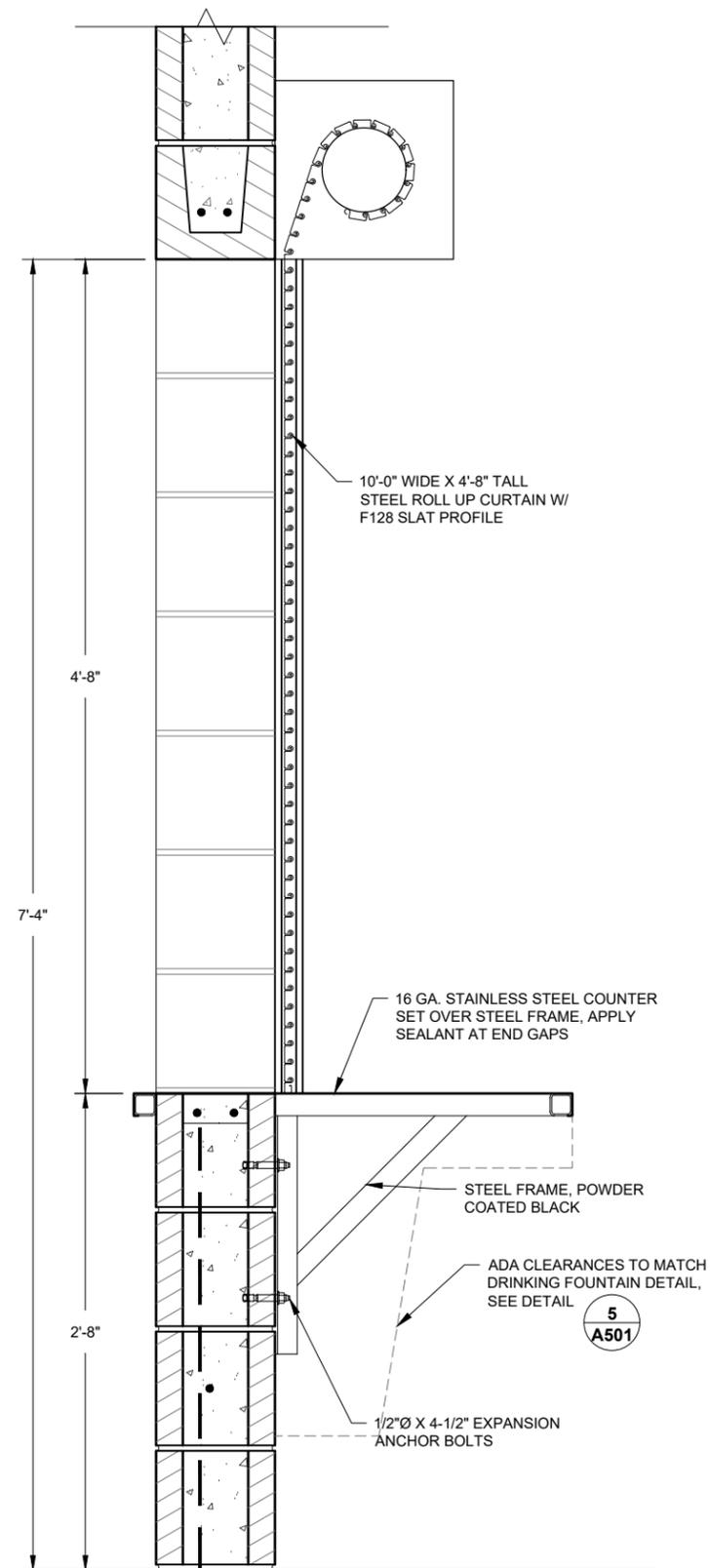
**4** ROLL-UP CURTAIN CASING DETAIL  
A501 SCALE: 2" = 1'-0"



**3** DOOR JAMB DETAIL  
A501 SCALE: 2" = 1'-0"



**5** ADA DRINKING FOUNTAIN DETAIL  
A501 SCALE: 1" = 2'-0"



**6** CONCESSIONS ROLL UP CURTAIN  
A501 SCALE: 1" = 1'-0"



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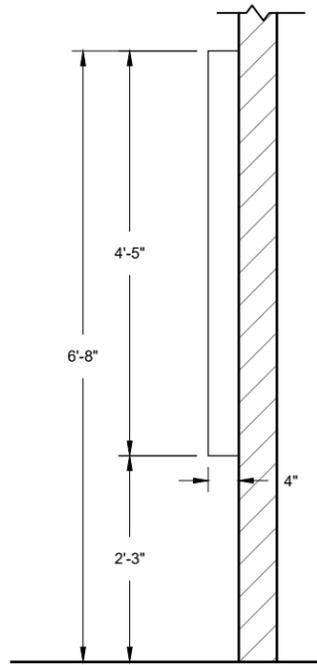
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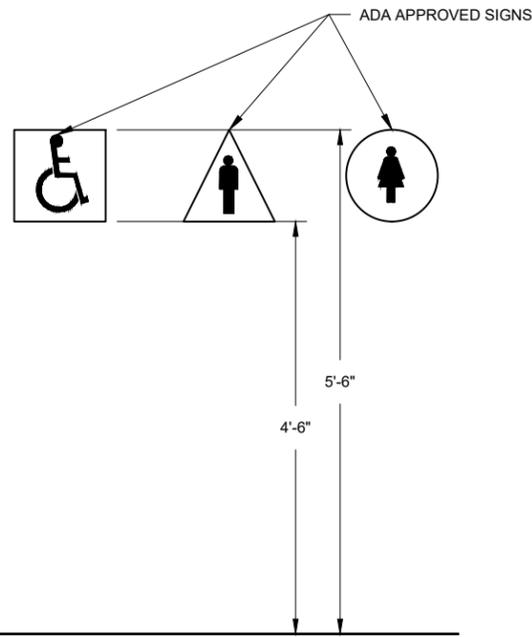
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CITY OF FLORENCE  
MILLER PARK  
MILLER PARK RESTROOM & CONCESSIONS  
BUILDING  
BUILDING DETAILS

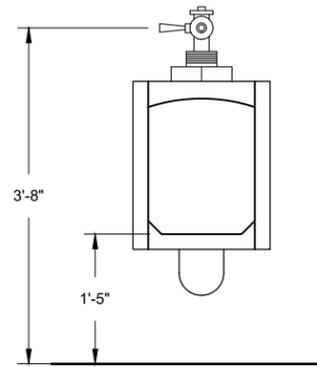
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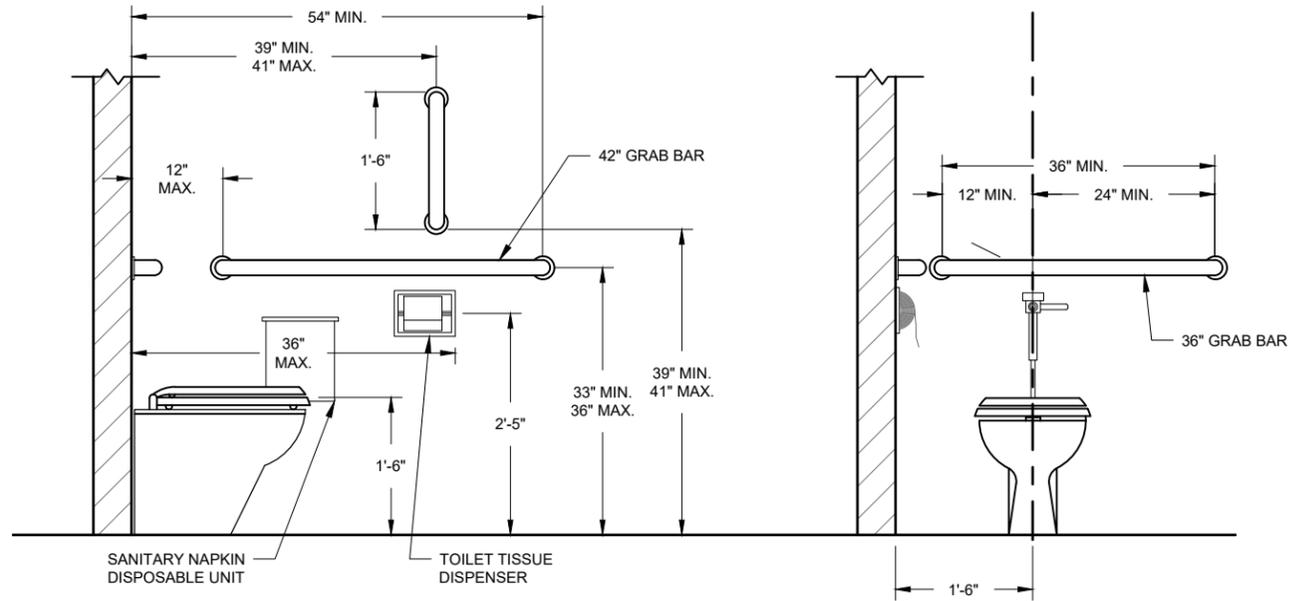
WALL PROTRUSION



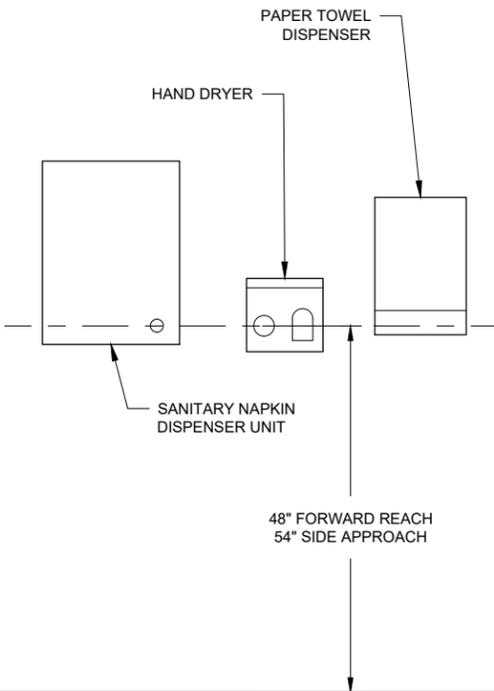
ADA SIGNS



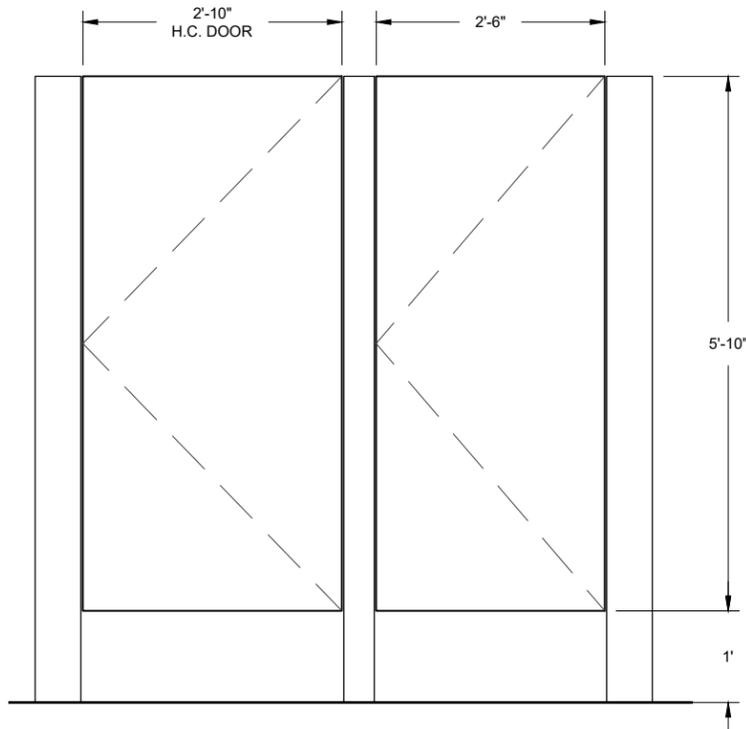
URINAL



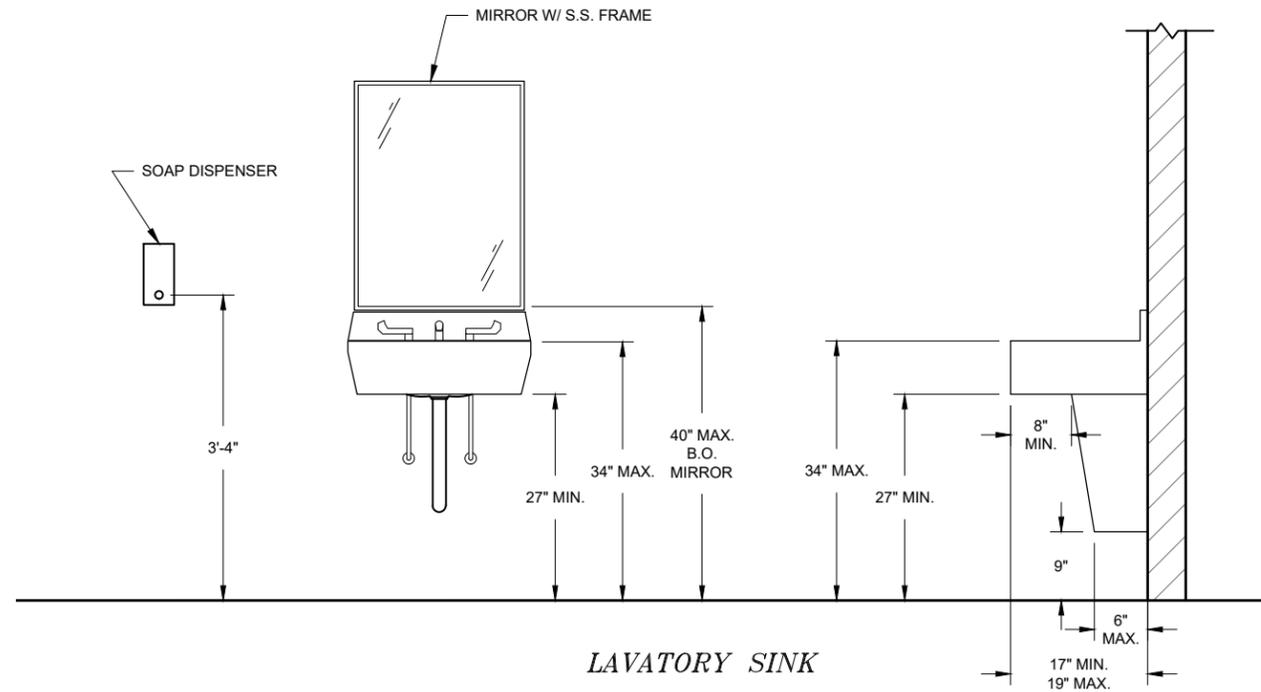
ADA TOILET



ACCESSORIES



FLOOR MOUNTED TOILET PARTITION



LAVATORY SINK

1  
A502

ADA RESTROOM DETAILS

SCALE: 1/2" = 1'-0"



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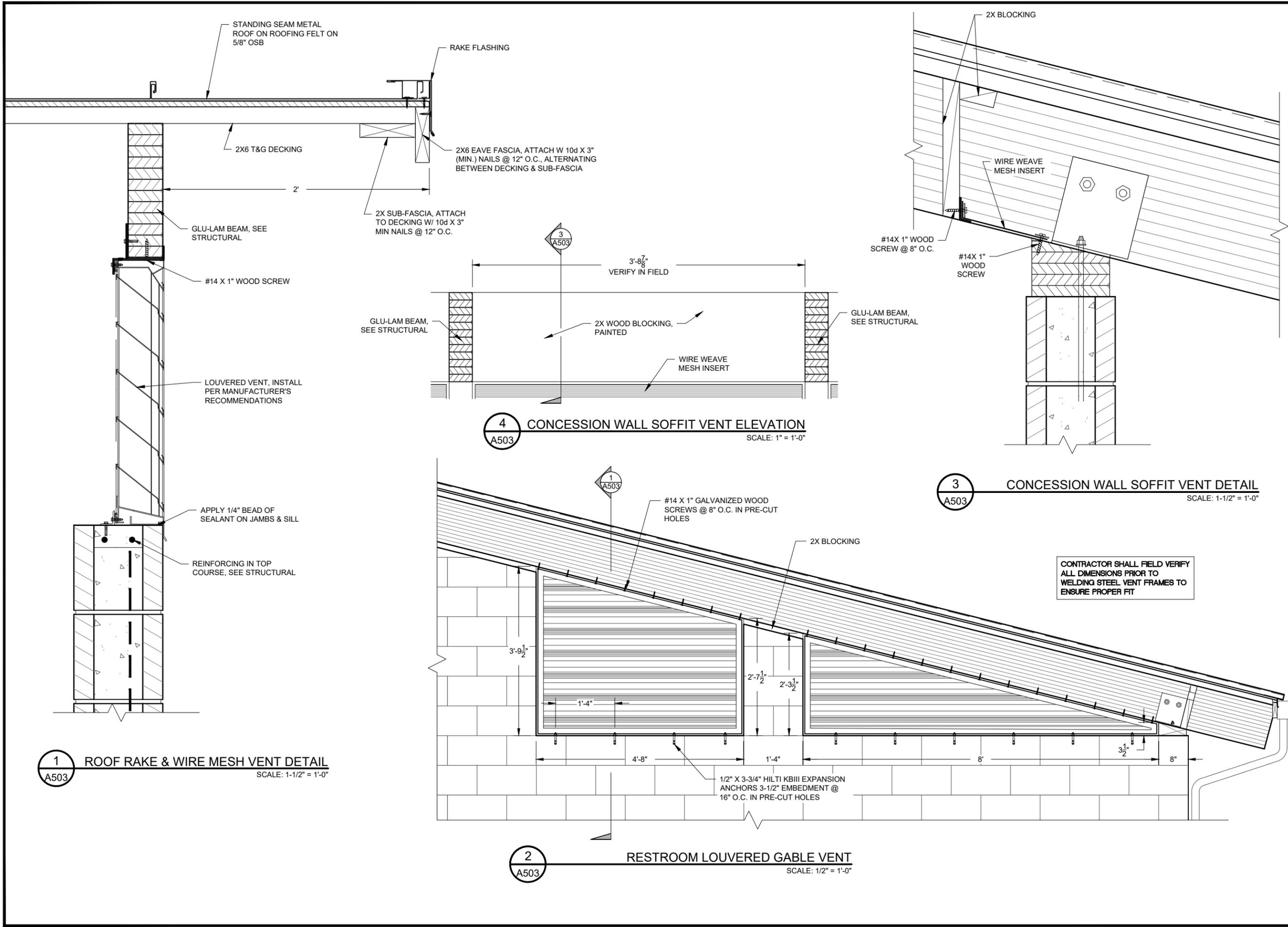
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ADA RESTROOM DETAILS

A502  
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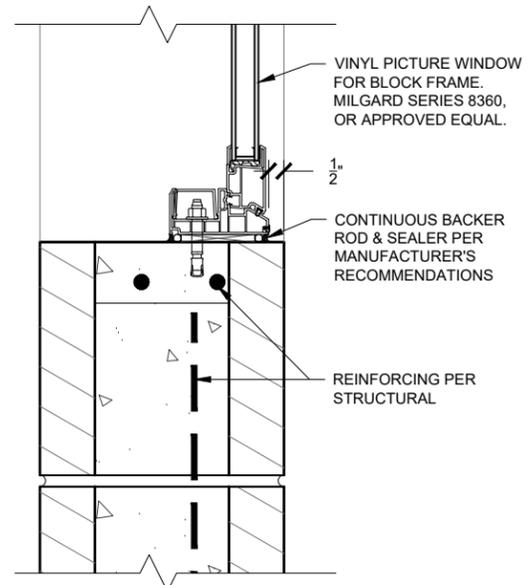
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BUILDING

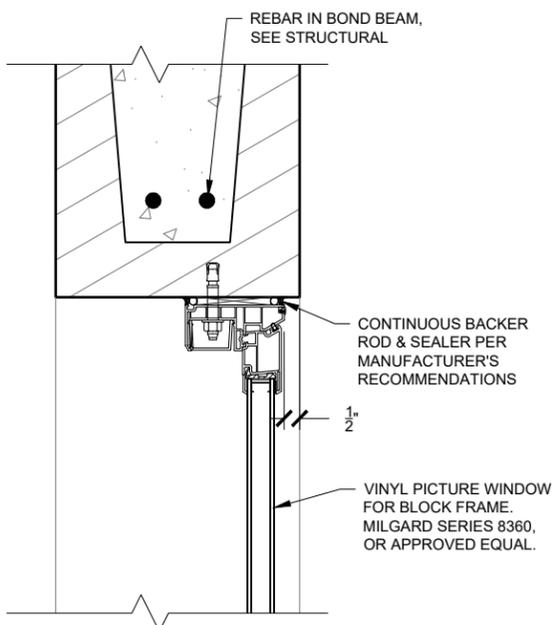
STEEL FRAMED VENT DETAILS

**A503**  
JULY 2018

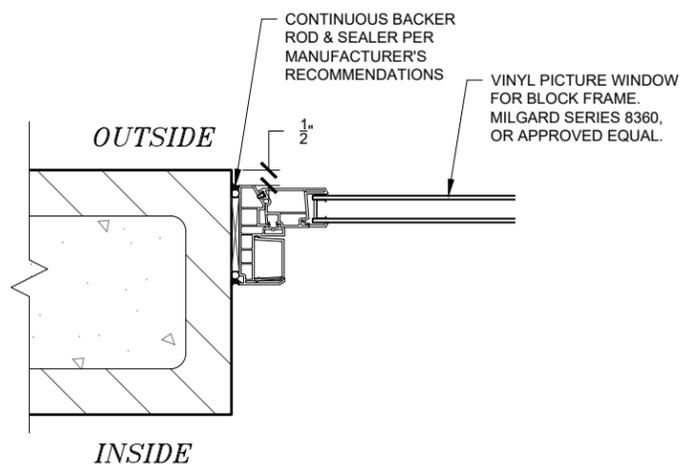
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1 WINDOW SILL DETAIL  
A504 SCALE: 2" = 1'-0"



2 WINDOW HEADER DETAIL  
A504 SCALE: 2" = 1'-0"



3 WINDOW JAMB DETAIL  
A504 SCALE: 2" = 1'-0"



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Project No: 1503-016

CITY OF FLORENCE  
MILLER PARK

MILLER PARK RESTROOM & CONCESSIONS  
BUILDING

WINDOW DETAILS

Sheet No: **A504**  
Date: **JULY 2018**

**STRUCTURAL GENERAL NOTES - APPLICABLE TO ALL CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS**

**A. DESIGN SCOPE BY PRECISION STRUCTURAL ENGINEERING (PSE)**

1. Design Shown on drawings by PSE is for the following items.
  - a. Foundation and framing.
2. Design Shown on PSE drawings does not include: finishers, architectural items, windows, doors, moisture barriers, water proofing, mechanical units, plumbing, or electrical items.

**B. GENERAL REQUIREMENT:**

1. PSE recommends that the construction be performed by a licensed contractor who has at least 5 years of experience with similar projects. Contractor shall submit a list of similar projects to the owner before proceeding with construction.
2. Contractor shall furnish all labor, materials, and equipment necessary to complete the work shown or inferred by these drawings.
3. Where construction details are not shown or noted for any part of the work, such details shall be the same as for similar work shown on the drawings.
4. Notes and details on the drawings take precedence over the general notes and typical details in case of conflict.
5. Pipes, ducts, sleeves, chases, etc. shall not be placed in slabs, beams, or walls unless specifically shown or noted.
6. Locate and protect underground or concealed conduit, plumbing or other utilities where new work is being performed.
7. The contract drawings and specifications represent the finished structure and do not indicate methods, procedures or sequence of construction. The contractor shall take necessary precautions to maintain and insure the integrity of the new and any existing structures during construction. The design stresses shall not be exceeded during construction based on the age of each element. Neither the owner nor Architect/Engineer will enforce safety measure regulations. Contractor shall design, construct and maintain all safety devices, including shoring and bracing for the new and any existing structures and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations.
8. Obtain prior written approval for any changes to the drawings.
9. The contractor shall review and compare the structural drawings with all other Construction Documents, such as Architectural, Mechanical and Electrical drawings, specifications, etc. Do not scale drawings. The contractor shall verify dimensions, elevations and all information. Report, in writing, any inconsistencies, errors, or omissions to the Architect/Engineer of record before proceeding with the work.
10. All existing constructions, if any, are shown schematic only. Contractor is responsible to verify actual conditions and allow for them in his bid. Notify the Architect/Engineer, in writing, in case of any discrepancy between actual conditions and what is shown on the structural drawings before proceeding with the work.
11. See Architectural, Mechanical, Electrical and other drawings for embedded items.
12. All communication shall be in writing. No verbal communications, decisions, instructions or approvals shall be valid.

**C. CODE AND LOADS:**

1. All design, material, and construction work for this project shall conform to the 2014 Oregon Structural Speciality Code, (OSSC) based on the 2012 International Building Code (IBC).
2. The 2014 International Building Code design parameters.
 

|  |  |
|--|--|
| <ol style="list-style-type: none"> <li>a. Floor Live Load = 40 psf.</li> <li>c. Roof Live Load = n/a.</li> <li>e. Ground Snow Load, P<sub>g</sub> = 25 psf.</li> <li>g. Snow Exposure Factor, C<sub>e</sub> = 1.0</li> <li>i. Thermal Factor, C<sub>t</sub> = 1.0</li> <li>k. Wind Importance Factor, I<sub>w</sub> = 1.00</li> <li>m. Internal Pressure Coefficient = 0.18</li> <li>o. Seismic Importance Factor, I<sub>e</sub> = 1.0</li> <li>q. S<sub>1</sub> = 0.685</li> <li>s. S<sub>ms</sub> = 1.326</li> <li>u. S<sub>ds</sub> = 0.884</li> <li>w. Seismic Design Category = D</li> <li>y. Design Base Shear = 0.442*W</li> <li>aa. Response Modification Factor, R = 2</li> </ol> | <ol style="list-style-type: none"> <li>b. Floor Dead Load = 15 psf.</li> <li>d. Roof dead load 15 psf.</li> <li>f. Flat Roof snow load = 25 psf.</li> <li>h. Snow Load Importance Factor, I = 1.0</li> <li>j. Basic Wind Speed (3 s. gust) = 120 mph</li> <li>l. Wind Exposure = C</li> <li>n. Components and Cladding = 22 psf</li> <li>p. S<sub>s</sub> = 1.326</li> <li>r. Site Class = D</li> <li>t. S<sub>m1</sub> = 1.027</li> <li>v. S<sub>d1</sub> = 0.685</li> <li>x. Basic Seismic Force Resisting System = Masonry Shear Walls</li> <li>z. Approximate Fundamental Period, T = 0.121</li> <li>bb. Analysis Procedure Used = Equivalent Lateral Force Procedure</li> </ol> |
|--|--|

**D. INSPECTION:**

1. All construction shall be inspected by the building officials according to the above Code.
2. It is recommended that the owner or contractor hire Precision Structural Engineering or other Qualified Licensed inspectors to provide inspection during construction.

**E. FROST DEPTHS (FD):**

LANE COUNTY 12"

**F. FOUNDATION**

1. The building shall bear on a soil with minimum allowable bearing capacity of 1500 PSF, contractor to verify. Due to the lack of specific geotechnical information for this site, a geotechnical soil investigation is recommended. PSE is not responsible for any future defects resulting from unreported condition mitigating the above assumption.
2. Soft soil or fill material shall be removed and replaced with competent granular engineering fill. The new fill shall be compacted in 8", or less layers to gain 98% of its maximum dry density according to ASTM D-698 standard proctor, and be capable of supporting the above bearing capacity.
3. Footing shall be stepped as required to maintain minimum required frost depth, FD, below finished grade.
4. Provide 4 inch diam. perforated drain pipe below the top of the footing. Encase the pipe in 18X18 inches free-drain crushed stone and fabric at the perimeter of the crushed stone.

**G. CONCRETE:**

1. All concrete work shall conform to the American Concrete Institute's Standard Building Code Requirements for Structural Concrete, ACI 318-14
2. MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE.

| TYPE OR LOCATION OF CONCRETE  | MINIMUM SPECIFIED COMPRESSIVE STRENGTH (F'c) |
|---|--|
|   | SEVERE                                       |
| BASEMENT WALLS, FOUNDATION AND OTHER CONCRETE NOT EXPOSED TO THE WEATHER.                             | 2,500 PSI                                    |
| BASEMENT SLAB AND INTERIOR SLABS ON GRADE, EXCEPT GARAGE FLOOR SLABS.                                 | 2,500 PSI                                    |
| BASEMENT WALLS, FOUNDATION WALLS, EXTERIOR WALLS AND OTHER VERTICAL CONCRETE WORK EXPOSED TO WEATHER. | 3,500 PSI                                    |
| PORCHES CARPORT SLABS AND STEPS EXPOSED TO THE WEATHER, AND GARAGE FLOOR SLABS.                       | 3,500 PSI                                    |

3. Basement wall, foundation wall, basement slab, slab on grade, all concrete work exposed to weather, and all exterior concrete shall contain the proper admixtures to obtain 5% to 7% Air Entrainment.
4. Reinforcing Steel:
  - a. All reinforcing steel shall be ASTM A615 Grade 60.
  - b. Vertical bars shall be doweled to supporting members with the same size and spacing of reinforcement shown in the drawing or general notes.
  - c. Splices shall be 48 bar diameters or 30 inches whichever is greater UON.
  - d. All reinforcing bars shall be in the correct place, tied and secured prior to concrete placement. Use chairs, spacers and sand plates as required.
  - e. All concrete is reinforced concrete unless specifically called out as "Unreinforced". Reinforce all concrete not otherwise shown with same steel as in similar sections or areas.
  - f. At all openings in concrete walls and slabs, add 2-# 5 bars (opening dimension plus 60 bar diameters long) at each of the four sides and 2-#5 X 5'-0" long diagonally at each of the four corners.
5. All concrete shall be consolidated with mechanical vibrators.
6. All concrete work shall be cured and maintained above 50 degrees Fahrenheit for at least seven days according to the Standard Practice for Curing Concrete, ACI 308, ACI 318 and as approved by the Engineer.
7. When air temperature is above 80 degrees Fahrenheit, Hot Weather Concreting, ACI 305R shall apply. When the air temperature is below 40 degree Fahrenheit, Cold Weather Concreting, ACI 306R shall apply.

| SHEET INDEX:         |                           |
|----------------------|---------------------------|
| S1, S1.1, S1.2, S1.3 | GENERAL STRUCTURAL NOTES  |
| S1.4                 | SPECIAL INSPECTIONS       |
| S2, S2.1, S2.2       | FOUNDATION PLAN & DETAILS |
| S2.3, S2.4           | WALL DETAILS              |
| S3, S3.1, S3.2       | ROOF PLAN AND DETAILS     |



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CIVIL WEST 217-4

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GENERAL NOTES

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S1

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**STRUCTURAL GENERAL NOTES - APPLICABLE TO ALL CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS**

**H. WOOD CONNECTIONS:**

1. All exposed steel timber hardware, fasteners and connectors shall be galvanized.
2. Connector Hardware model numbers are those for the Simpson-Strong Tie Company. Size and number of nails, screws or bolts to be the maximum specified by the manufacturer UON.
3. Nails shall be common wire unless otherwise noted.
4. Machine nailing: The use of machine nailing is subject to continued satisfactory performance. Panel nails shall be driven so that the heads are flush with the surface of the panel and the minimum panel edge distance is 1/2".
5. Provide anchor or machine bolts per typical details, UON
6. Bolts: maintain a distance not less than 7 bolt diameters from the end and 4 diameters from the edge of the member. Bore holes 1/32 to 1/16 inch larger than the bolt diameter. All nuts shall be tightened when installed and re-tightened at completion of work or before closing in. Thread projection shall be 1/2 inch minimum beyond the nut. Use 5/16 inch thick X 3" X 3" washers, Typ.
7. Lag screw clearance and lead, pilot, holes shall be bored in two stages as follows: The clearance hole for the shank shall have the same diameter as the shank, and the same depth of penetration as the length of unthreaded shank. The lead hole for the threaded portion shall have diameter equal to 70% of the shank diameter and a length equal to at least the length of the threaded portion.
8. Nailed/screwed or bolted hold-down anchors shall be installed per manufacturer's approved [ICC] product evaluation report. Install hold-downs 3/4" minimum above the plate to allow for tightening anchor bolt. The hold-down shall be installed tight to the hold-down post without fillers or dapping. Do not bend hold-down anchors.
9. Connections shall be as detailed on the drawings. If not shown, minimum connections shall be as follows:
  - a. Joist or rafter to sill or girder, toe nail.....3-16d
  - b. Bridging to joist, toenail each end.....2-8d
  - c. Sill plate to joist or blocking, typical, face nail [SN].....16d at 6" o.c.
  - d. Double top plates:
    - Lower plate to studs.....3-16d
    - Top plate to lower plate, face nail.....16d @ 12" O.C.
    - Top plate to lower plate at lap Splice [4'-0" minimum].....20-16d minimum UON on drawings.
    - Top plate to lower plate at intersection.....3-16d
  - e. Stud to sill plate.....6-16d toenails or 3-16d endnail.
  - f. Double studs, face nail.....16d at 12" o.c.
  - g. Blocking between joists or rafters to top plate, toenail.....4-16d
  - h. Continuous header, two pieces.....16d @ 16" o.c. along each edge.
  - i. Ceiling joists to plate, toenail.....4-16d
  - j. Continuous header to stud, toenail.....4-8d
  - k. Ceiling joists, laps over partitions, face nail.....3-16d
  - l. Ceiling joists to parallel rafters, face nail.....3-16d
  - m. Built-up corner studs.....16d @ 12" o.c.
  - n. 5/8" gyp. Sheathing to studs, sill plates & top plates.....8d @ 4" O.C. @ 3/8" from all panel edges and 8" O.C. @ intermediate supports.
  - o. NOTES: REF: The above code for additional requirements.
10. Cutting and altering of trusses is not permitted.

**I. WOOD:**

**MATERIALS**

**STICK FRAMING:**

1. All wood exposed to the weather or in contact with concrete or masonry shall be pressure treated or protected with a waterproof membrane. Newly exposed surfaces resulting from field cutting, boring or handling shall be field treated in accordance with AWWA M-4.
2. All wood Stick Framing shall be Douglas Fir/Larch #2 (DF #2) or better unless otherwise noted on the drawings. Comply with PS 20, American softwood lumber standard and standard grading rules for western lumber. 19% maximum moisture content at time of placement.
3. All wood members shall be stamped showing wood grade and the grading agency.

**JOISTS/ RAFTERS:**

1. Wood joists shall be installed according to the manufacturer recommendations and as shown on drawings.
2. All joists, ceiling joists and rafters shall have a minimum of 1-1/2 inches bearing at each end on wood or metal, and not less than 3 inches on masonry or concrete. Use approved joist hanger if bearing is not provided.
3. Install full depth solid blocking or cross bracing at intervals not exceeding 8 feet for all joists and rafters 2x12 inches and deeper.

**TOP PLATES AND/OR CHORDS:**

1. Top plates or chords shall be continuous over headers UON.
2. Top plates shall be two pieces, same size as studs. Stagger splices a minimum of 4'-0" in length with a minimum of 20-16d nails unless otherwise shown on plans. Center splices over studs UON. Refer to typical construction details.

**WALL, FLOOR AND ROOF SHEATHING:**

1. All wood structural panels shall be stamped with the appropriate grade trademark of the American Plywood Association (APA).
2. Block structural panel with 2" X 4" flat blocking where noted on roof or floor framing plans. Use ply clips at mid span of unsupported panel edges.
3. Maintain 1/8" air space between structural panels in walls, floors and roofs at ends and at edges or as specified by the manufacturer.
4. Wood structural panels shall be manufactured using exterior glue and shall not be less than 4 X 8 feet except at boundaries.
5. Glued floors: Field glue to all supports and T&G edges per APA, AFG-01. Framing shall be free of surface moisture and debris prior to gluing.

**J. ABBREVIATIONS:**

|       |                                     |       |  |       |                          |
|-------|-------------------------------------|-------|--|-------|--------------------------|
| AB    | ANCHOR BOLT                         | FA    | FRAMING ANCHOR                                 | PSF   | POUND PER SQUARE FOOT    |
| ADDL  | ADDITIONAL                          | FD    | FROST DEPTH                                    | PT    | PRESSURE TREATED         |
| ALT   | ALTERNATE                           | FEN   | FLOOR SHEATHING                                | REF   | REFERENCE                |
| APA   | AMERICAN PLYWOOD ASSOCIATION        | FF    | FINISHED FLOOR                                 | REN   | ROOF SHEATHING           |
| ARCH  | ARCHITECTURAL                       | FN    | FIELD/INTERMEDIATE NAILING                     | REINF | REINFORCEMENT            |
| B     | BOTTOM                              | FTG   | FOOTING  | RFT   | RAFTERS                  |
| BLKG  | BLOCKING                            | GALV  | GALVANIZED                                     | SCHD  | SCHEDULE                 |
| BN    | BOUNDARY NAILING                    | GIR   | GEOTECHNICAL                                   | SGN   | STRUCTURAL GENERAL NOTES |
| BOF   | BOTTOM OF FOOTING                   |       | INVESTIGATION REPORT                           | SIM   | SIMILAR                  |
| CBC   | CALIFORNIA BUILDING CODE            | HORIZ | HORIZONTAL                                     | SN    | WALL SHEAR NAIL          |
| CJ    | CONSTRUCTION JOINT OR CONTROL JOINT | ICBO  | INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS | SPEC  | SPECIFICATION            |
| CL    | CENTER LINE                         | LGST  | LIGHT GAUGE STEEL, COLD-FORMED STEEL           | SW    | SHEAR WALL               |
| CLR   | CLEAR                               |       |  | T     | TOP                      |
| CONT  | CONTINUOUS                          | MAX   | MAXIMUM  | TD    | TYPICAL DETAILS          |
| DIM   | DIMENSIONS                          | MB    | MACHINE BOLT                                   | T&G   | TONGUE & GROOVE          |
| DWG   | DRAWING                             | MFR   | MANUFACTURER                                   | TN    | TOENAIL                  |
| DWL   | DOWEL                               | NO.   | NUMBER   | TOF   | TOP OF FOOTING           |
| E     | EXISTING                            | NTS   | NOT TO SCALE                                   | TOW   | TOP OF WALL              |
| EA    | EACH                                | OC    | ON CENTER                                      | TYP   | TYPICAL                  |
| EF    | EACH FACE                           | OH    | OPPOSITE HAND                                  | UBC   | UNIFORM BUILDING CODE    |
| EL    | ELEVATION                           | OSB   | ORIENTED STRAND BOARD                          | UON   | UNLESS OTHERWISE NOTED   |
| EMBED | EMBEDMENT                           | OSV   | ON SITE VERIFY                                 | VERT  | VERTICAL                 |
| EQ    | EQUAL                               | PL    | PLATE  | W/    | WITH                     |
| ES    | EACH SIDE                           | PSE   | PRECISION STRUCTURAL ENGINEERING               | W/O   | WITHOUT                  |
| EW    | EACH WAY                            |       |  | WEN   | WALL EDGE NAIL           |



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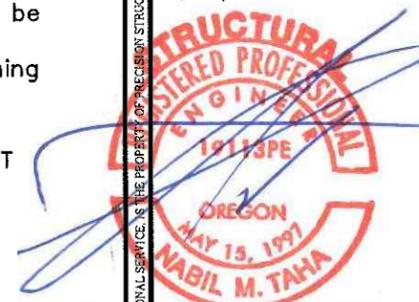
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Owner:

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Stamp: 11-18



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**S1.1**

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**K. ADDITIONAL NOTES:**

1. Refer to S1 for structural general notes and to other sheets for details.
2. Verify all dimensions with the architectural drawings. do not scale drawings.
3. Floor shall be 4" thick concrete slab-on-grade over 4" of free draining 3/4" crushed rock. crushed rock shall contain no fines to provide a capillary moisture break. Reinforce slab with #4 bars @ 18" o.c. both ways at slab mid-thickness.
4. Provide multiple studs under beams or trusses to match width of supported member, typ. Studs shall be continued in lower floors and/or crawl space to footing, typ.
5. All exterior non-concrete walls shall be type 6 per shear wall schedule unless otherwise noted on plan.
6. Center footing under walls and posts unless otherwise noted on plans and/or details.
7. Concrete floor may be required to be sloped 1/8"/foot. contractor to check with the owner.
8. Studs shall be 2x6 @ 16" o.c. Unless noted otherwise on plans.
9. It is required that naturally durable or preservative-treated wood shall be used for wood members that are exposed to weather without protection from roof such as balconies, decks or porches etc.
10. Provide solid blocking under posts and multiple studs to transfer loads to posts/studs below. All the way to foundation
11. Lay floor and roof structural panels with the long dimension at right angle to supports and continuous over two or more spans.
12. Field glue floors to all supports and t&g edges per apa, afg-01. Framing shall be free of surface moisture and debris prior to gluing.
13. Provide solid blocking between joists and rafters at all supports.
14. Rafter framing from opposite sides at bearing supports shall be tied by lapping wood or metal strap.
15. Limit live load deflection to span over 600 for joists, rafters, beams, floor trusses and all structural members.
16. Holdowns can be installed on either side of wall corners at contractor option.
17. Roof drainage shall be directed away from foundation.
18. Roof structural sheathing shall be continuous over the main framing members. A second layer of structural sheathing shall be applied over the roof overstack (overbuild) areas.

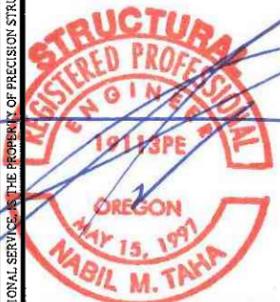


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**H. MASONRY:**

1. All masonry materials and construction shall comply with the following sections of the building code for full allowable stresses:
  - a. Section 2103 - Mortar and Grout
  - b. Section 2104 - Construction
  - c. Section 2105 - Quality Assurance
2. Concrete masonry units shall be moisture controlled type I, Grade N, ASTM C90 normal weight (over 125 pcf when dry) or medium weight (105 pcf to 125 pcf when dry) open end and have a minimum of 2200 PSI compressive strength.
3. Lay blocks in running bond. Use concave compressed joints and inverted bond beam for starting courses.
4. **MASONRY UNIT REQUIRED COMPRESSIVE STRENGTH**

| f'm, PSI | REQUIRED STRENGTH (PSI) |
|----------|-------------------------|
| 1,500    | 1,900                   |
| -        | -                       |

5. All mortar for masonry shall be Type M or S, complying with ASTM C270 per Table SC-1 of ACI 530.1. Two inch cubes shall test as per table below in 28 days.

**MORTAR REQUIRED STRENGTH**

| f'm, PSI | REQUIRED STRENGTH (PSI) |
|----------|-------------------------|
| 1,500    | 1,900                   |
| -        | -                       |

6. Center footing and grade beams under masonry UON.
7. Keep masonry walls shored during construction until the roof deck/beams and slab-on-grade are in place to provide lateral stability.
8. All masonry shall be solid grouted.
9. Concrete grout shall comply with ASTM C476, have a minimum 28-days compressive strength as per table below and a maximum aggregate size of 3/8 inch. Recommended slump is 9 inches.

**GROUT REQUIRED STRENGTH**

| f'm, PSI | REQUIRED STRENGTH (PSI) |
|----------|-------------------------|
| 1,500    | 2,000                   |
| -        | -                       |

10. Reinforcement requirements:
  - a. Reinforcement shall be ASTM A-615 grade 60, typical.
  - b. Anchor bolts ASTM A307 Headed Machine bolts, UON.
  - c. Center vertical bars in block cells, no splices UON. Dowel reinforcement to support members with same size and spacing of reinforcement as shown on the drawings or per general notes.
  - d. Vertical cells to be filled shall have vertical alignment sufficient to maintain a clear, unobstructed and continuous vertical cell 3x4 inches for single width concrete block walls.
  - e. Provide cleanout opening in bottom course at reinforcement (32 inches max.) when grout pour exceeds 4'-6" in height.
  - f. Remove all overhanging mortar or obstructions and any debris from inside of cells.
  - g. Support vertical reinforcing bars at top and bottom of wall and at intervals not exceeding 4'-0" in height.
  - h. Lap splices shall be 55 bar diameters or 40 inches whichever is greater.
  - i. Vertical reinforcement shall be located at corners of walls, at each jamb of opening, and on each side of control or expansion joints. Between these locations, vertical reinforcement shall be spaced as indicated on the drawings. Vertical bars shall extend the full floor height.
  - j. Provide 2-#5 bars above and below any opening of 4 feet or less. Extend the steel 2'-6" beyond opening dimension. For wider opening, see drawing.
  - k. Corner bars 4'-0" long, 2'-0" each leg, shall be used at wall corners and intersecting walls. Corner bars shall match the diameter and the spacing of horizontal wall reinforcement.
11. Use a mechanical vibrator to consolidate at the time of placing grout and then re-consolidate before plasticity is lost.
12. Horizontal construction joints shall be formed by stopping the grout pour 1-1/2 inches below the top of a mortar joint and a minimum of 1/2 inch below the top of bond beams.
13. Beams and lintels, unless otherwise shown on the drawing, shall bear on masonry at each end as follows:
  - a. For 8 feet span or less, 6 inches bearing, 2 anchor bolts.
  - b. For longer beams and lintels, use 1 inch bearing for each foot of length with 4 anchor bolts.
14. Masonry walls shall be anchored at or near their tops to the structural frame to resist horizontal force of 196 PLF or as detailed on drawings.
15. For Masonry veneer ties, joint reinforcement, header and lintels, refer to brick veneer details sheet.
16. Provide flashing and weep holes to divert water to the outside per architectural drawing and/or building code.
17. For above grade masonry provide vertical control joint in concrete masonry from 30' to 60' o.c. horizontal, unless noted otherwise on the drawings. Locate one vertical control joint within 10'-0" of all corners in concrete masonry. Control or expansion joints shall not be located closer than 2'-8" from any opening. Coordinate locations with the Architect/Engineer. Contractor/Owner shall submit shop drawings to scale showing the proposed joint locations. In case on conflict, obtain written approval from the Engineer.
18. For above grade brick masonry provide vertical expansion joint from 20' to 40' o.c., unless noted otherwise on the drawings. Locate one expansion joint within 5'-0" of all corners in brick masonry. Control or expansion joints shall not be located closer than 2'-8" from any opening. Coordinate locations with the Architect/Engineer. Contractor/Owner shall submit shop drawings to scale showing the proposed joint locations. In case on conflict, obtain written approval from the Engineer.
19. Pipes and conduits embedded in masonry:
  - a. Conduits, pipes, and sleeves in masonry shall be no closer than 3 diameters on center. Minimum spacing of conduits, pipes or sleeves of different diameters shall be determined using the larger diameter.
  - b. Vertical conduits, pipes, or sleeves placed in masonry columns or pilasters shall not displace more than 2 percent of the net cross section.
  - c. Pipes shall not be embedded in masonry when:
    - c.a. Containing liquid, gas, or vapors at temperature higher than 150° F (66°C).
    - c.b. Under pressure in excess of 55 psi.
    - c.c. Containing water or other liquids subject to freezing.
20. Reference specifications for more requirements.



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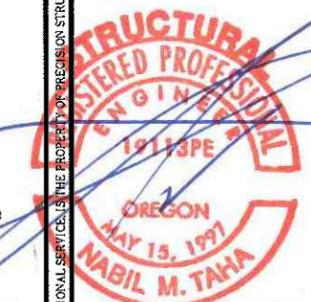
Project:

**MILLER PARK  
RESTROOM &  
CONCESSIONS**  
CITY OF FLORENCE, OR,  
MILLER PARK

Owner:

**CITY OF  
FLORENCE**

Stamp: 1-18



EXPIRATION DATE: 06/30/20

**REVISIONS:**

| MARK: | DATE: | BY: |
|-------|-------|-----|
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|       |       |     |
|       |       |     |

DRAWN BY: B.H.

DESIGNED BY: B.H.

CHECKED BY: N.T.

ISSUE DATE: 07-11-18

PROJECT NUMBER:

**CIVIL WEST 217-4**

SHEET TITLE:

GENERAL NOTES

PAGE NO:

**S1.3**

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**STRUCTURAL GENERAL NOTES - APPLICABLE TO ALL CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS**

**SCHEDULE OF SPECIAL INSPECTION SERVICES**

| PROJECT   | SERVICE          | APPLICABLE TO THIS PROJECT |                      |        |                |
|---|------------------|----------------------------|----------------------|--------|----------------|
|   |                  | Y/N                        | EXTENT               | AGENT* | DATE COMPLETED |
| <b>1705.4 Masonry Construction</b>  |                  |                            |                      |        |                |
| <b>(A) Level A, B and C Quality Assurance:</b>  |                  |                            |                      |        |                |
| 1. Verify compliance with approved submittals   | Field Inspection | Y                          | Periodic             |        |                |
| <b>(C) Level C Quality Assurance:</b>   |                  |                            |                      |        |                |
| 2. Verification of proportions of materials in premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout, as delivered to the project site | Field Inspection | Y                          | Continuous           |        |                |
| 3. Verify placement of masonry units  | Field Inspection | Y                          | Periodic             |        |                |
| <b>(D) Levels B and C Quality Assurance:</b>  |                  |                            |                      |        |                |
| 2. Verify compliance with approved submittals   | Field Inspection | Y                          | Periodic             |        |                |
| 3. Verify proportions of site-mixed mortar, grout and prestressing grout for bonded tendons   | Field Inspection | Y                          | Periodic             |        |                |
| 4. Verify grade, type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorages  | Field Inspection | Y                          | Periodic             |        |                |
| 5. Verify construction of mortar joints   | Field Inspection | Y                          | Periodic             |        |                |
| 6. Verify placement of reinforcement, connectors, and prestressing tendons and anchorages   | Field Inspection | Y                          | Level B - Periodic   |        |                |
|   |                  |                            | Level C - Continuous |        |                |
| 7. Verify grout space prior to grouting   | Field Inspection | Y                          | Level B - Periodic   |        |                |
|   |                  | N                          | Level C - Continuous |        |                |
| 8. Verify placement of grout and prestressing grout for bonded tendons  | Field Inspection | Y                          | Continuous           |        |                |
| 9. Verify size and location of structural masonry elements  | Field Inspection | Y                          | Periodic             |        |                |
| 10. Verify type, size, and location of anchors, including details of anchorage of masonry to structural members, frames, or other construction.                                   | Field Inspection | Y                          | Level B - Periodic   |        |                |
|   |                  | N                          | Level C - Continuous |        |                |
| 11. Verify welding of reinforcement (see 1705.2.2)  | Field Inspection | N                          | Continuous           |        |                |
| 12. Verify preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F)                              | Field Inspection | Y                          | Periodic             |        |                |

| * INSPECTION AGENTS | ADDRESS | TELEPHONE NO. |
|---------------------|---------|---------------|
| FIRM                |         |               |
| 1.                  |         |               |
| 2.                  |         |               |
| 3.                  |         |               |
| 4.                  |         |               |

Notes: 1. The inspection and testing agent(s) shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. The qualifications of the Special Inspector(s) and/or testing agencies may be subject to the approval of the Building Official and/or the Design Professional.

2. The list of Special Inspectors may be submitted as a separate document, if noted so above.

3. Special inspections as required by Section 1704.2.5 are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.2

4. Observe on a random basis, operations need not be delayed pending these inspections. Perform these tasks for each welded joint, bolted connection, or steel element.

5. NDT of welds completed in an approved fabricator's shop may be performed by that fabricator when approved by the AHJ. Refer to AISC 360, N7.

Are Requirements for Seismic Resistance included in the Statement of Special Inspections? **Yes**

Are Requirements for Wind Resistance included in the Statement of Special Inspections? **Yes**

DATE:



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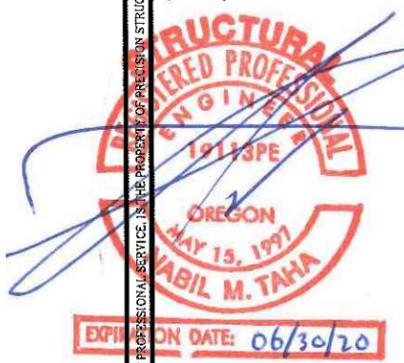
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 CITY OF FLORENCE, OR,  
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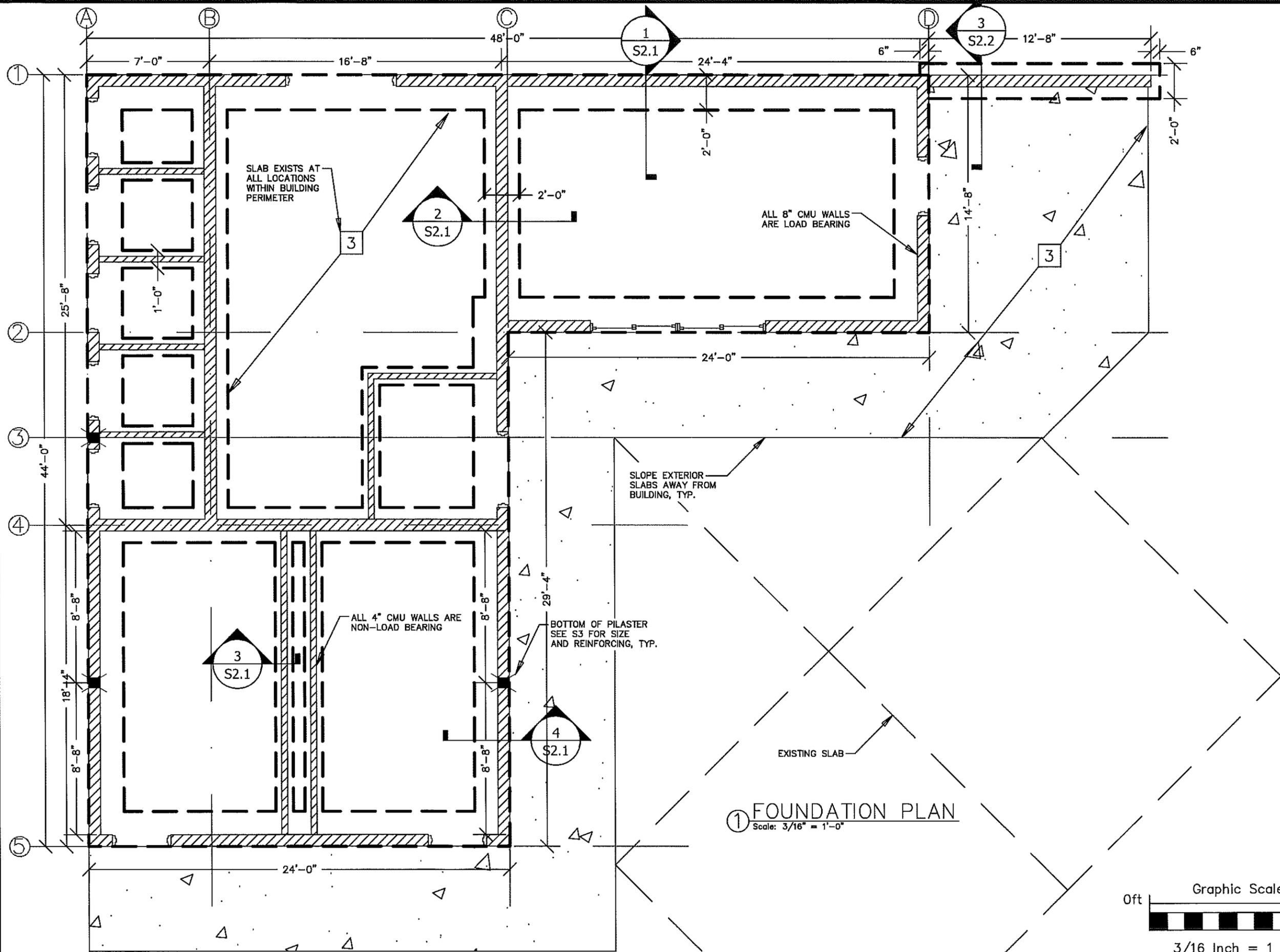
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PROJECT NUMBER:  
**CIVIL WEST 217-4**

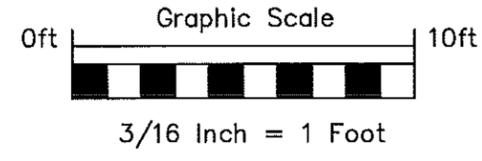
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**SPECIAL INSPECTIONS**

PAGE NO:  
**S1.4**

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① FOUNDATION PLAN  
Scale: 3/16" = 1'-0"



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 SHEET TITLE:  
**FOUNDATION PLAN**  
 PAGE NO:  
**S2**

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Project:

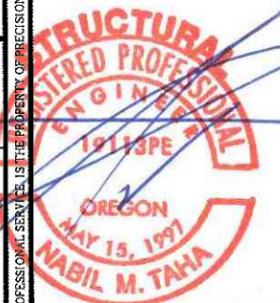
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CITY OF FLORENCE, OR,  
MILLER PARK

Owner:

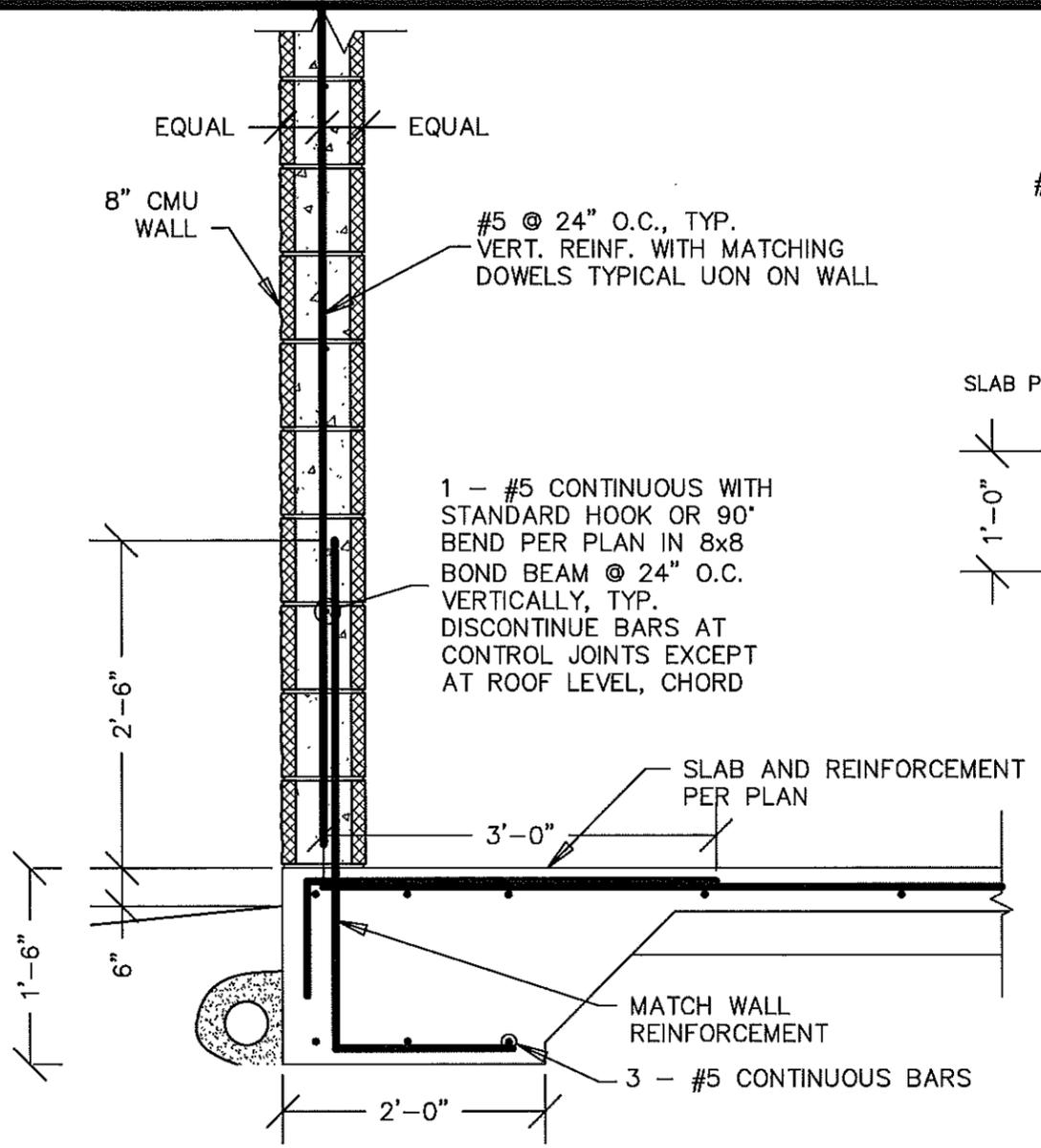
CITY OF  
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Stamp:

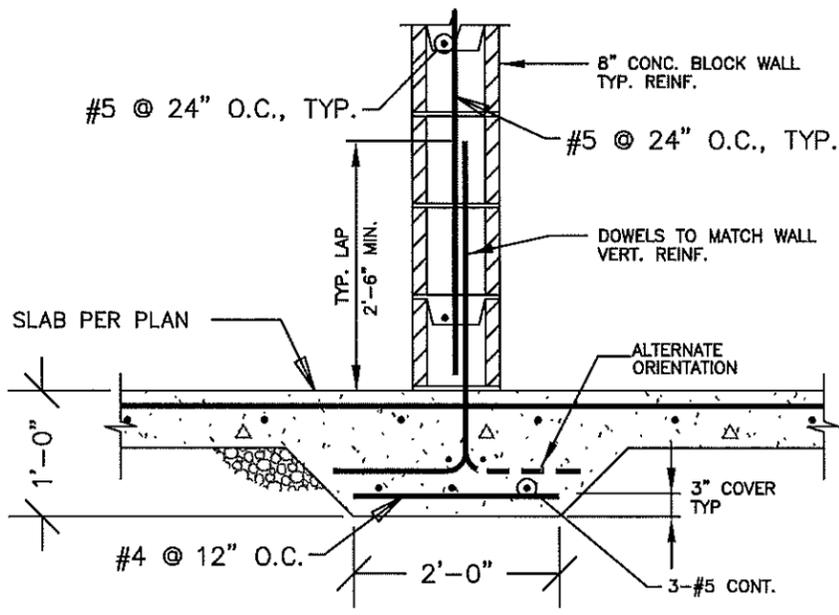
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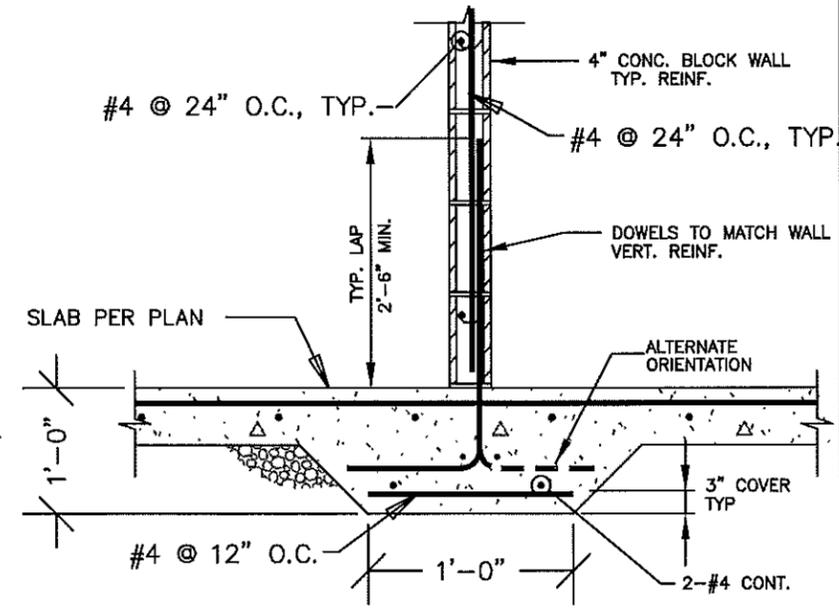
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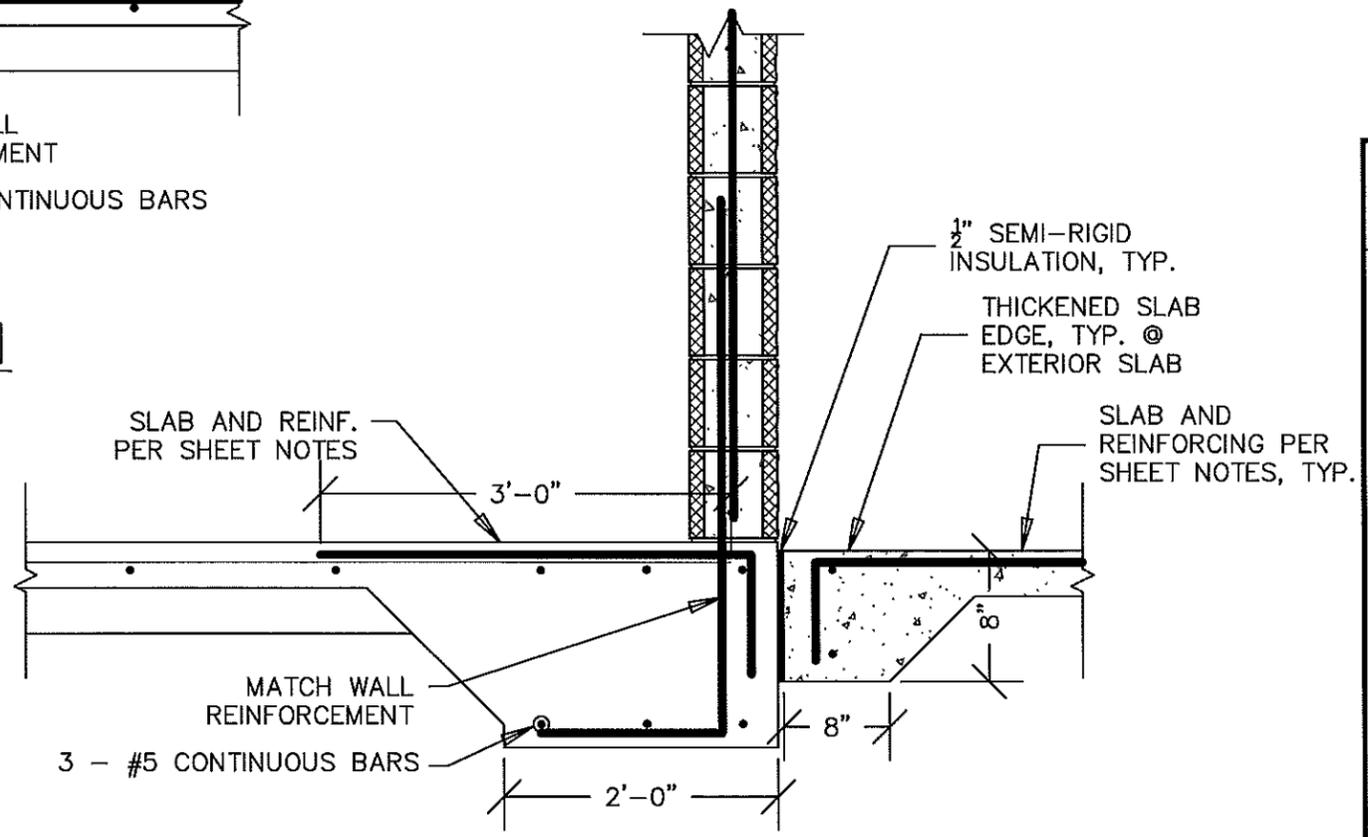
① TYPICAL WALL SECTION  
NTS



② FOOTING FOR  
LOAD BEARING WALL  
Scale: NTS



③ FOOTING FOR NON-  
LOAD BEARING WALL  
Scale: NTS



④ SECTION @ EXTERIOR SLAB  
NTS

FOUNDATION  
SHEET NOTES:

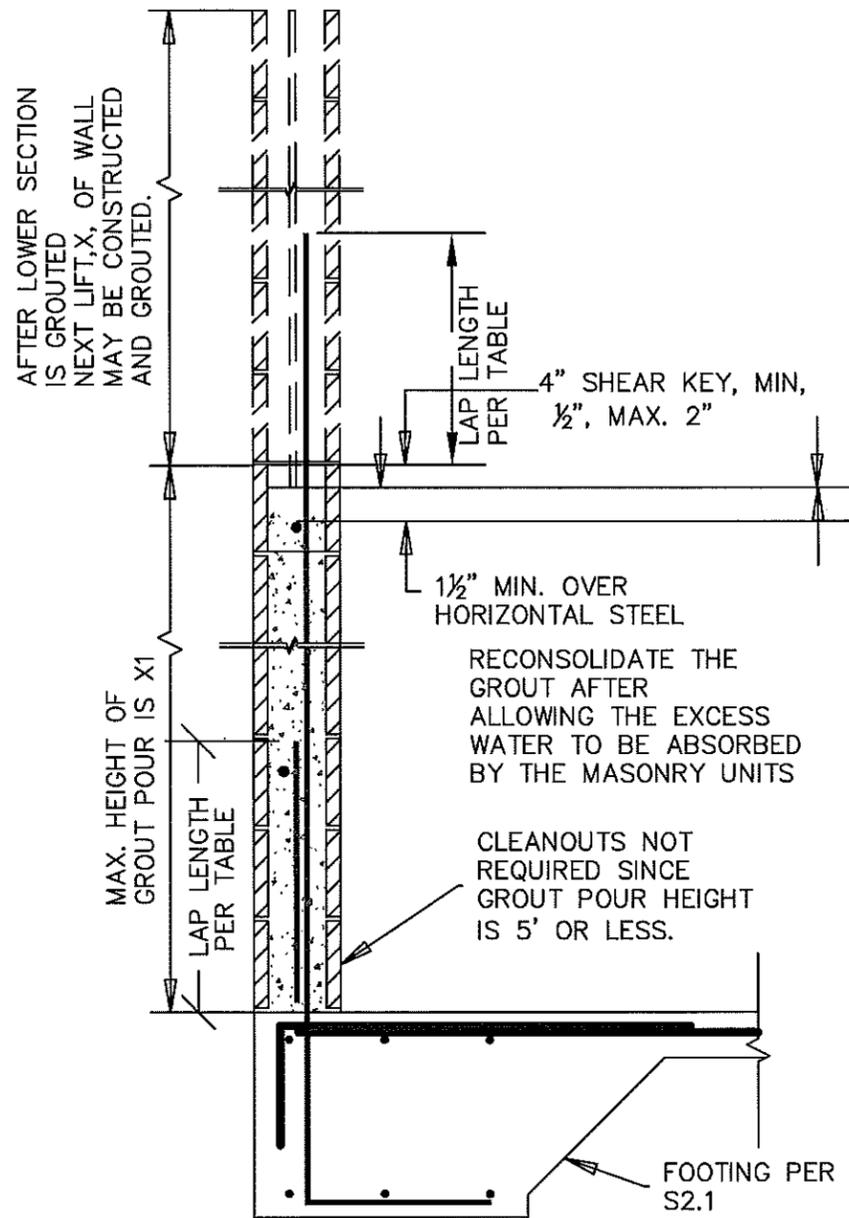
- 1 REFER TO S1-S1.3 FOR STRUCTURAL GENERAL NOTES AND TO OTHER SHEETS FOR DETAILS.
- 2 VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS. DO NOT SCALE DRAWINGS.
- 3 4" THICK CONCRETE SLAB-ON-GRADE OVER 4" OF FREE DRAINING 3/4" CRUSHED ROCK. CRUSHED ROCK SHALL CONTAIN NO FINES TO PROVIDE A CAPILLARY MOISTURE BREAK. REINFORCE SLAB WITH #4 BARS @ 18" O.C. BOTH WAYS AT SLAB MID-THICKNESS.
- 4 CENTER FOOTING UNDER WALLS AND POSTS UNLESS OTHERWISE NOTED ON PLANS AND/OR DETAILS.

EXPIRATION DATE: 06/30/20

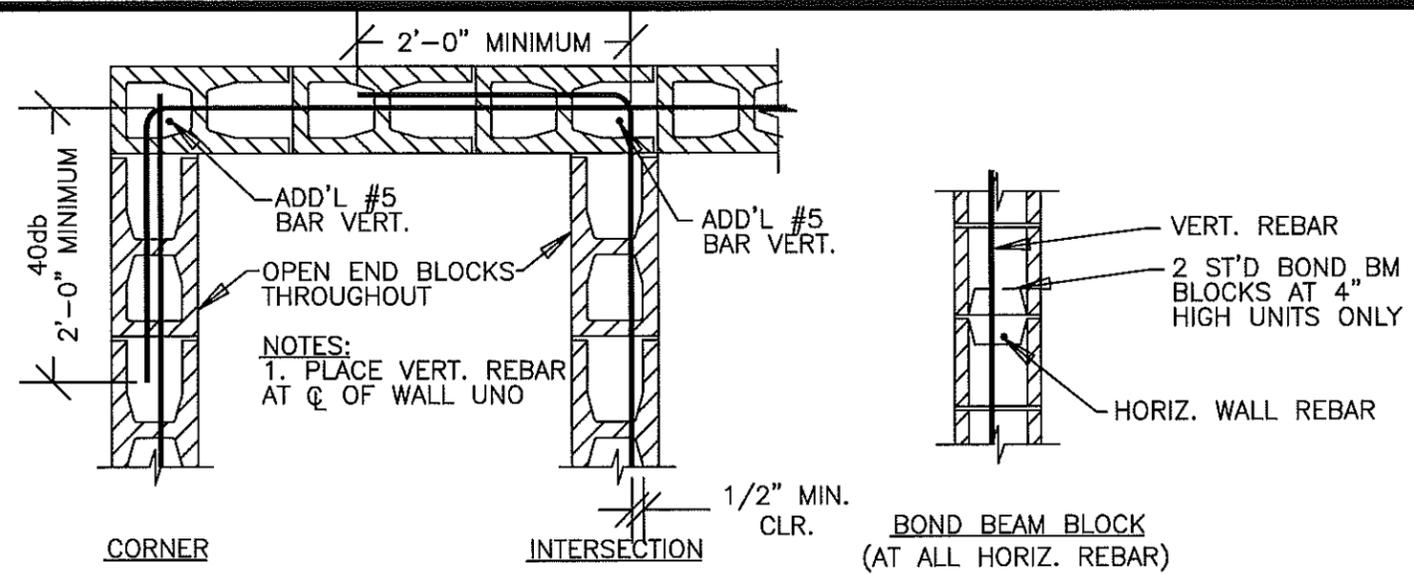
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CIVIL WEST 217-4  
SHEET TITLE:  
FOUNDATION DETAILS

PAGE NO:  
S2.1

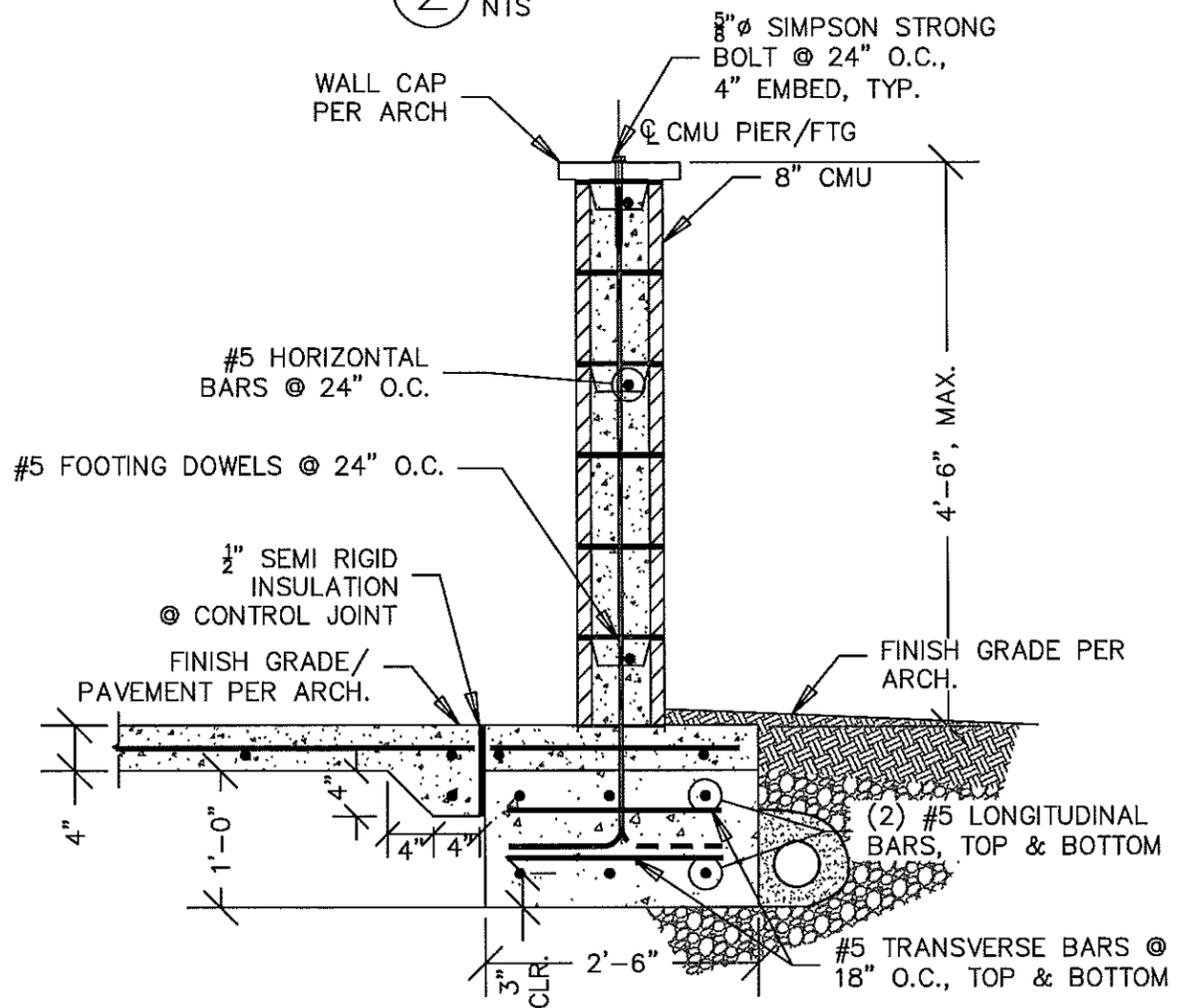


**1** LOW LIFT GROUTING  
Scale: NTS



REINF. SHALL BE 24" O.C. IN BOTH VERTICAL AND HORIZONTAL DIRECTION, UNO., TYP.

**2** WALL INTERSECTION  
NTS



**3** FREESTANDING CMU WALL DETAIL  
Scale: N.T.S.

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Owner:  
**CITY OF FLORENCE**

Stamp: 7/11-18  
**REGISTERED PROFESSIONAL ENGINEER**  
1911SPE  
OREGON  
MAY 15, 1997  
**NABIL M. TAHA**  
EXPIRATION DATE: 06/30/20

REVISIONS:

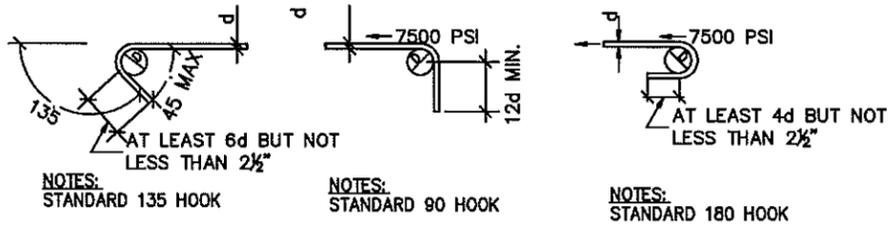
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**FOUNDATION DETAILS**

PAGE NO:  
**S2.2**

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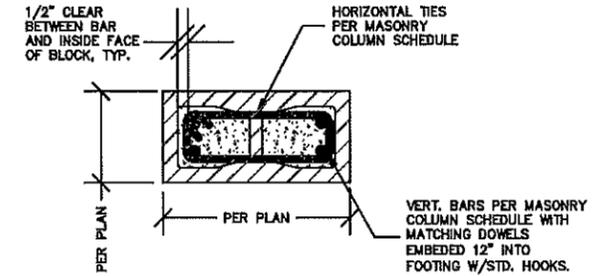
| NO. | BAR SIZE                        |   | D <sub>i</sub><br>(INSIDE DIA)<br>(INCHES) | D <sub>o</sub><br>(OUTSIDE DIA)<br>(INCHES) | REMARKS <sup>2</sup>   |
|-----|---------------------------------|---|--|---|--|
|     | DIA. D <sub>b</sub><br>(INCHES) | CROSS SECT. A <sub>s</sub><br>(SQ. IN.) |  |   |  |
| 3   | 0.375                           | 0.11                                    | 2 1/4                                      | 3   | D = 6D <sub>b</sub><br>FOR BARS<br>OR = 4d FOR<br>#4 OR<br>SMALLER<br>STIRRUPS |
| 4   | 0.500                           | 0.20                                    | 3  | 4   |  |
| 5   | 0.625                           | 0.31                                    | 3 3/4                                      | 5   |  |
| 6   | 0.750                           | 0.44                                    | 4 1/2                                      | 6   |  |
| 7   | 0.875                           | 0.60                                    | 5 1/4                                      | 7   |  |
| 8   | 1.000                           | 0.79                                    | 6  | 8   |  |



LENGTH OF LAP (INCHES)<sup>1</sup> GRADE 60  
STEEL F<sub>y</sub> = 24,000 PSI

| BAR SIZE | NO. | DIA. D <sub>b</sub><br>(INCHES) | LAPS FOR TENSION BARS |  |
|----------|-----|---------------------------------|-----------------------|--|
|          |     |                                 | 48X1.3<br>=62 DIA.    | LONG SPLICE<br>48X1.5 <sup>1</sup><br>=72 DIA. |
| 3        | 3   | 0.375                           | 23                    | 27   |
| 4        | 4   | 0.500                           | 31                    | 36   |
| 5        | 5   | 0.625                           | 39                    | 45   |
| 6        | 6   | 0.750                           | 47                    | 54   |
| 7        | 7   | 0.875                           | 54                    | 63   |
| 8        | 8   | 1.000                           | 62                    | 72   |
| 9        | 9   | 1.128                           | 70                    | 81   |
| 10       | 10  | 1.270                           | 79                    | 91   |
| 11       | 11  | 1.410                           | 87                    | 102  |

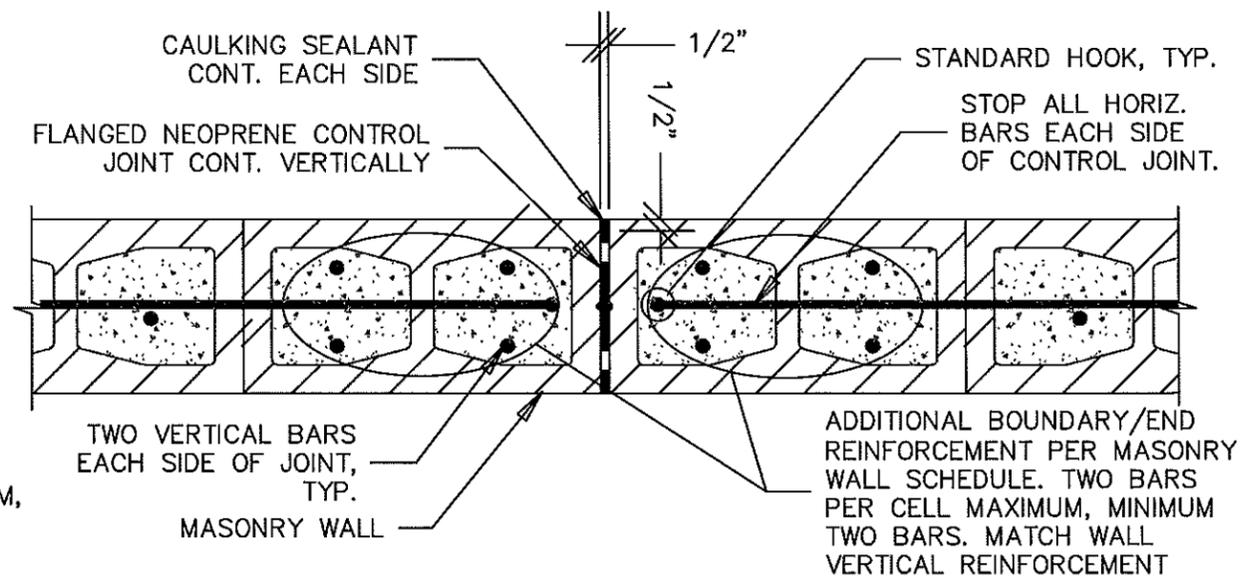
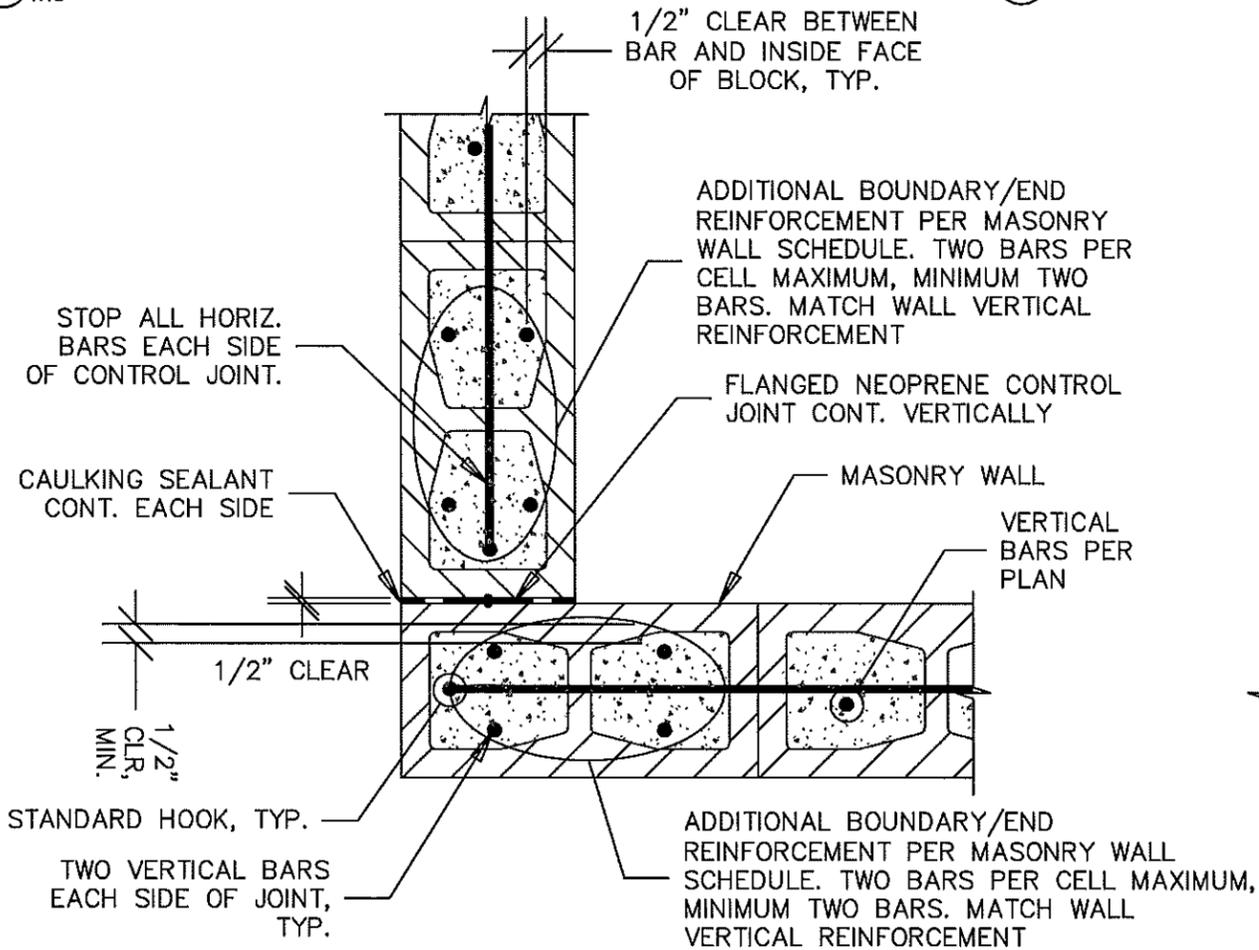
1. ONLY WHEN CALLED ON PLANS OR DETAILS AS "LONG SPLICE"  
WHEN F<sub>y</sub> > 0.80F<sub>y</sub> PER UBC SEC. 2107.2.12.



① REINFORCEMENT BENDS & LAPS  
NTS

② LAP SPLICES FOR REINFORCING STEEL  
NTS

③ MASONRY COLUMN DETAIL  
Scale: N.T.S.



④ (A) WHEN JOINT LANDS AT CORNER

④ (B)

MASONRY WALL CONTROL JOINT AND  
BOUNDARY/END REINFORCEMENT TYPICAL DETAIL

④ Scale: N.T.S.



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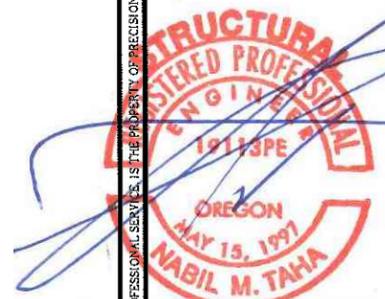
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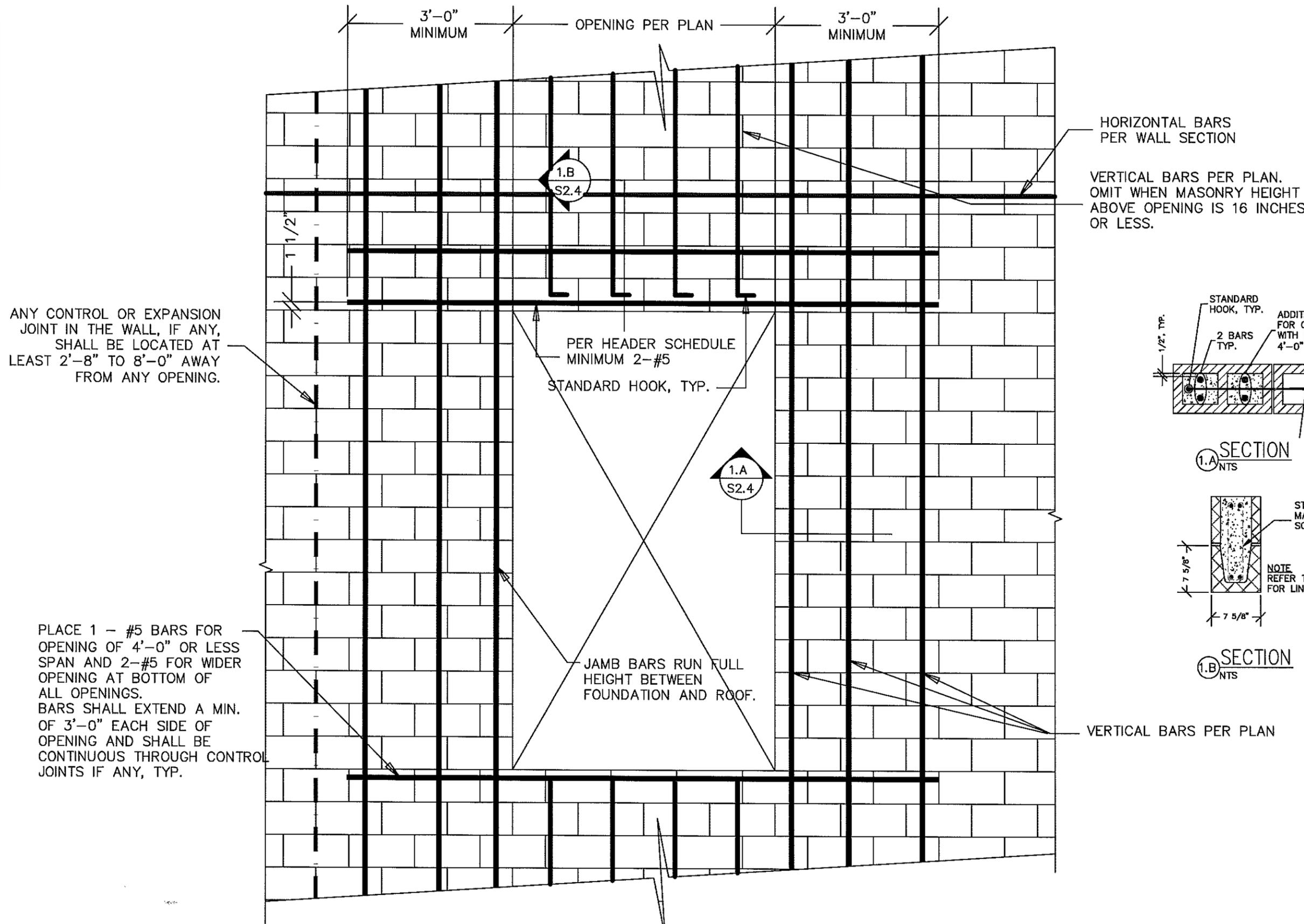
SHEET TITLE:

WALL DETAILS

PAGE NO:

S2.3

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ANY CONTROL OR EXPANSION JOINT IN THE WALL, IF ANY, SHALL BE LOCATED AT LEAST 2'-8" TO 8'-0" AWAY FROM ANY OPENING.

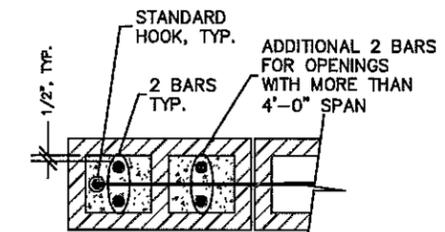
PLACE 1 - #5 BARS FOR OPENING OF 4'-0" OR LESS SPAN AND 2-#5 FOR WIDER OPENING AT BOTTOM OF ALL OPENINGS. BARS SHALL EXTEND A MIN. OF 3'-0" EACH SIDE OF OPENING AND SHALL BE CONTINUOUS THROUGH CONTROL JOINTS IF ANY, TYP.

HORIZONTAL BARS PER WALL SECTION

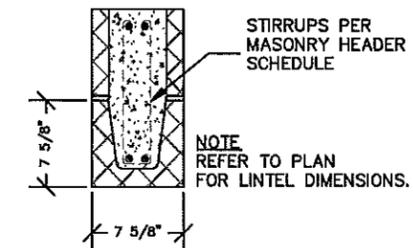
VERTICAL BARS PER PLAN. OMIT WHEN MASONRY HEIGHT ABOVE OPENING IS 16 INCHES OR LESS.

PER HEADER SCHEDULE MINIMUM 2-#5 STANDARD HOOK, TYP.

JAMB BARS RUN FULL HEIGHT BETWEEN FOUNDATION AND ROOF.



SECTION 1.A NTS



SECTION 1.B NTS

VERTICAL BARS PER PLAN

1 TYPICAL WALL OPENING REINFORCING DETAILS NTS



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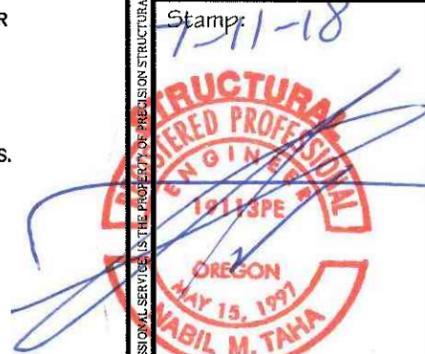
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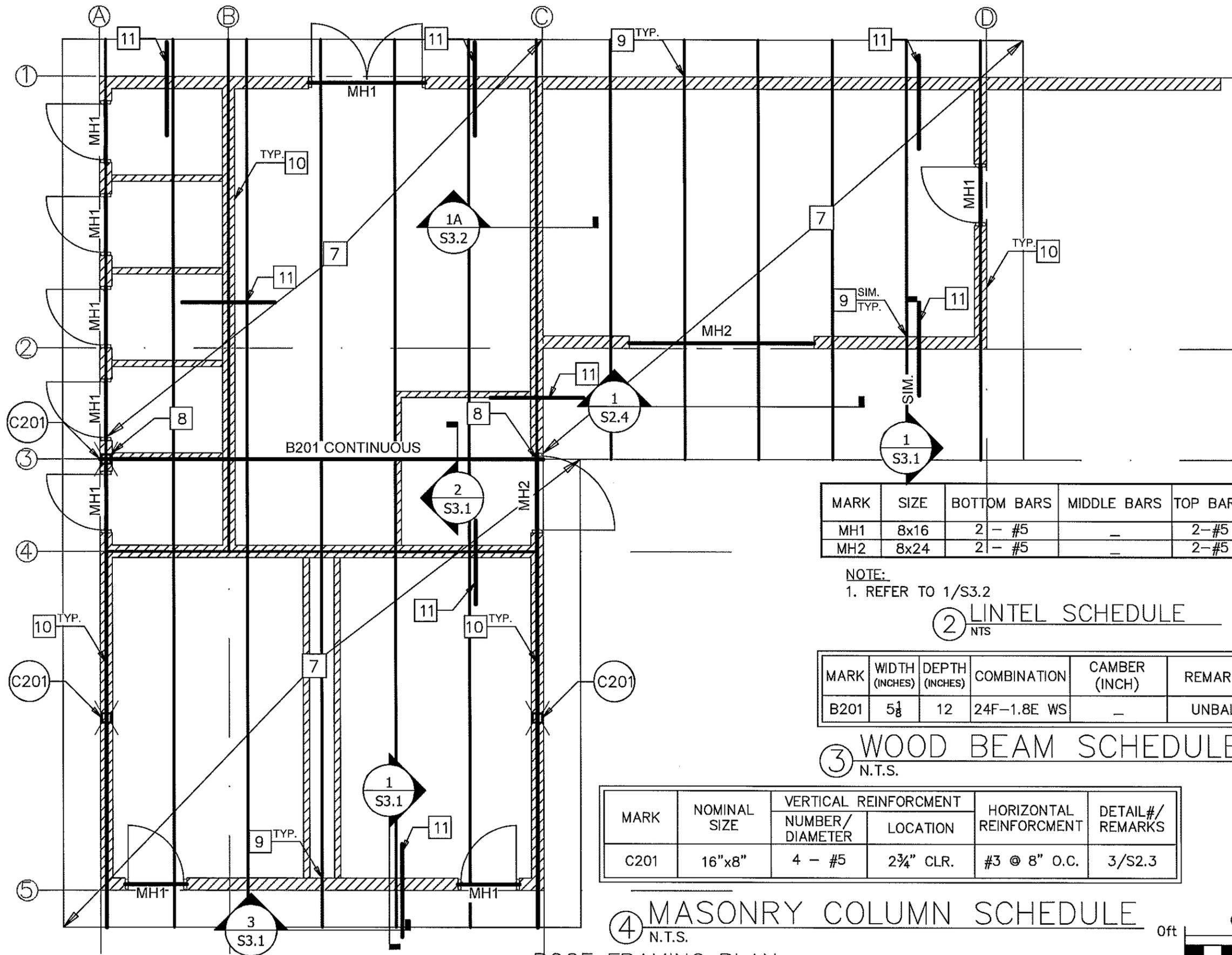
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WALL DETAILS

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| MARK | SIZE | BOTTOM BARS | MIDDLE BARS | TOP BARS | STIRRUPS     |
|------|------|-------------|-------------|----------|--------------|
| MH1  | 8x16 | 2 - #5      | -           | 2 - #5   | #3 @ 8" O.C. |
| MH2  | 8x24 | 2 - #5      | -           | 2 - #5   | #3 @ 8" O.C. |

NOTE:  
1. REFER TO 1/S3.2

② LINTEL SCHEDULE  
N.T.S.

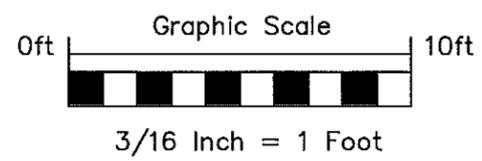
| MARK | WIDTH (INCHES) | DEPTH (INCHES) | COMBINATION | CAMBER (INCH) | REMARKS |
|------|----------------|----------------|-------------|---------------|---------|
| B201 | 5 1/8          | 12             | 24F-1.8E WS | -             | UNBAL.  |

③ WOOD BEAM SCHEDULE  
N.T.S.

| MARK | NOMINAL SIZE | VERTICAL REINFORCEMENT |             | HORIZONTAL REINFORCEMENT | DETAIL#/REMARKS |
|------|--------------|------------------------|-------------|--------------------------|-----------------|
|      |              | NUMBER/DIAMETER        | LOCATION    |                          |                 |
| C201 | 16"x8"       | 4 - #5                 | 2 3/4" CLR. | #3 @ 8" O.C.             | 3/S2.3          |

④ MASONRY COLUMN SCHEDULE  
N.T.S.

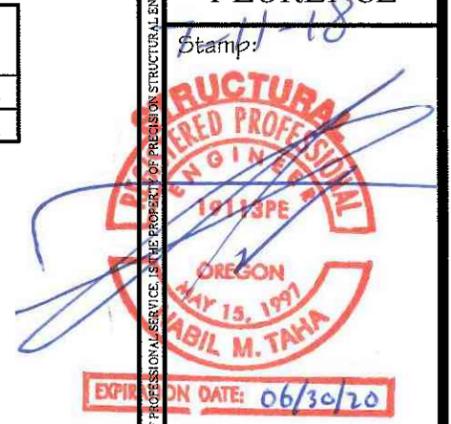
① ROOF FRAMING PLAN  
Scale: 3/16" = 1'-0"



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Project:  
**MILLER PARK RESTROOM & CONCESSIONS**  
CITY OF FLORENCE, OR,  
MILLER PARK

Owner:  
**CITY OF FLORENCE**



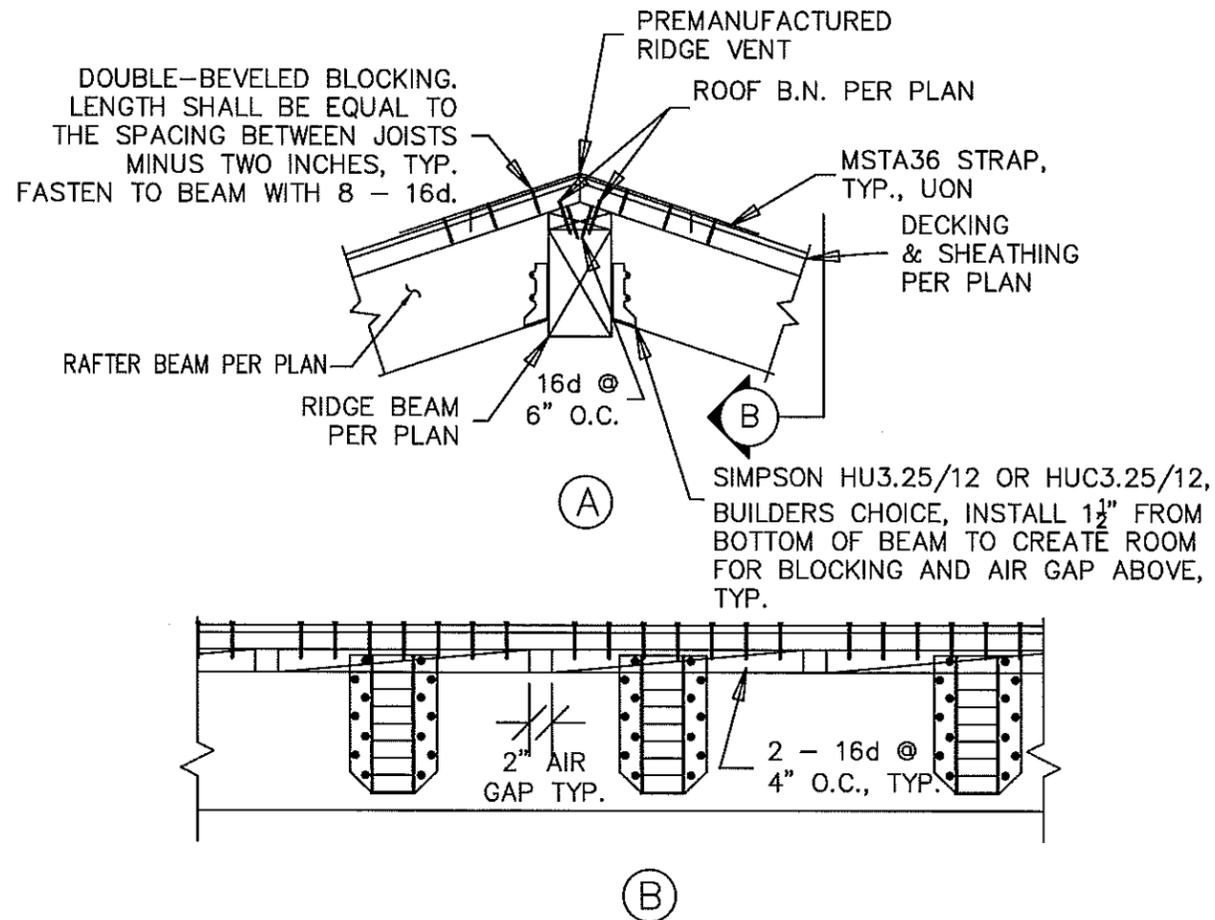
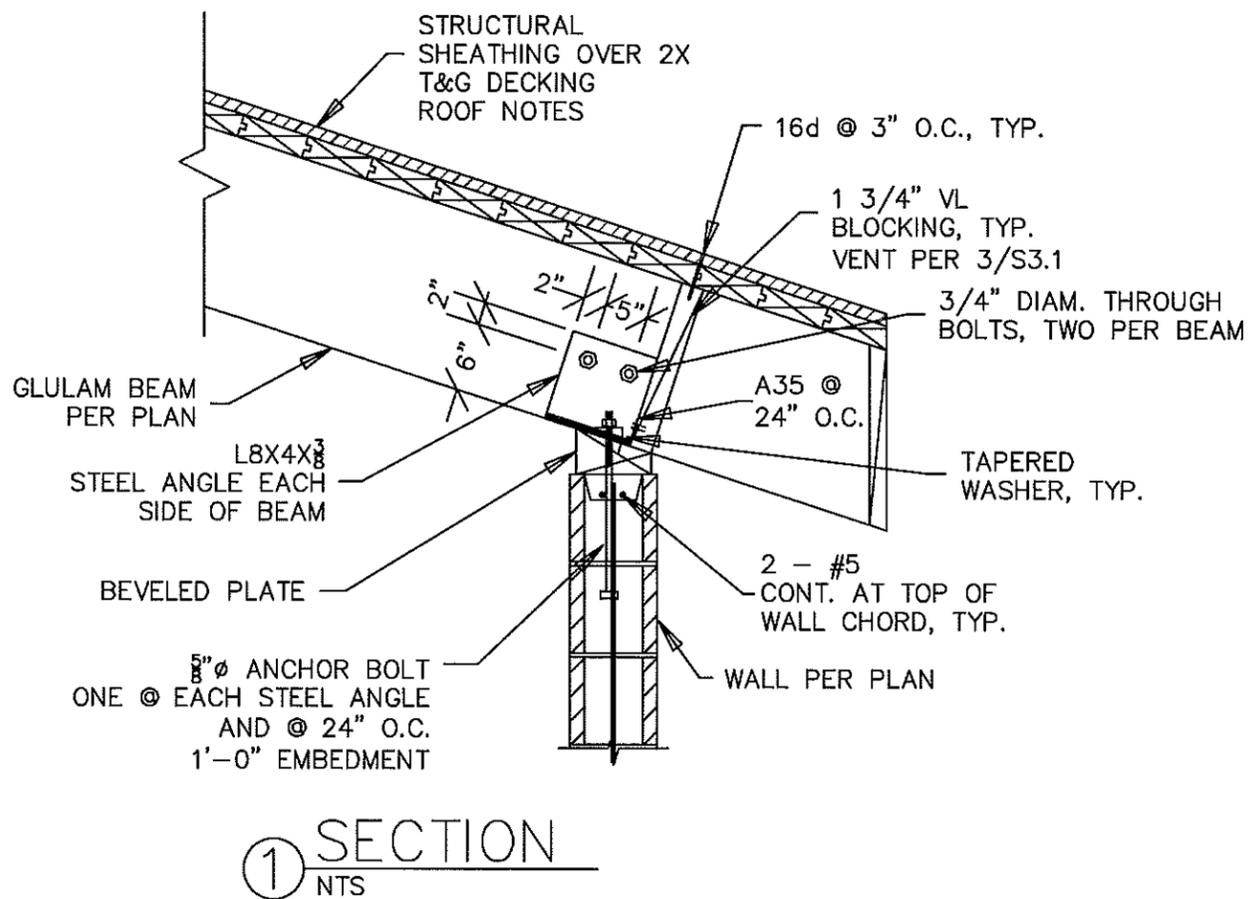
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DRAWN BY: B.H.  
DESIGNED BY: B.H.  
CHECKED BY: N.T.  
ISSUE DATE: 07-11-18  
PROJECT NUMBER:  
**CIVIL WEST 217-4**  
SHEET TITLE:  
**ROOF FRAMING PLAN**

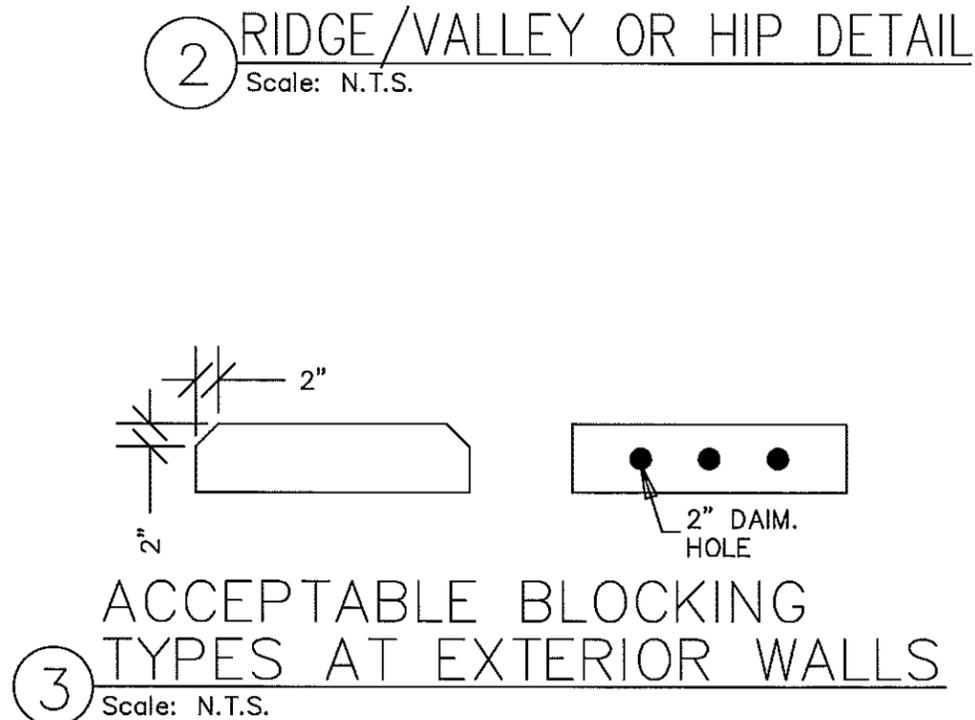
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**S3**

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**ROOF SHEET NOTES:**

- 1 REFER TO S1 FOR STRUCTURAL GENERAL NOTES AND TO ROOF DETAIL SHEETS FOR CONSTRUCTION DETAILS.
- 2 VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE DRAWINGS.
- 3 ROOF DRAINAGE SHALL BE DIRECTED AWAY FROM FOUNDATION..
- 4 LAY ROOF STRUCTURAL PANELS WITH THE LONG DIMENSION AT RIGHT ANGLE TO SUPPORTS AND CONTINUOUS OVER TWO OR MORE SPANS.
- 5 ROOF SHALL HAVE ONE LAYER OF 2X TONGUE AND GROOVE DECKING, THEN 5/8" THICK APA PLYWOOD OR ORIENTED STRAND BOARDS WITH 24"/16" SPAN RATING ROOF SHEATHING . USE 8d @ 4" O.C. (BN) AT EXTERIOR WALLS AND INTERIOR SHEAR WALLS. 8d @ 6" O.C. (REN) AT PANEL EDGES AND 8d @ 10" O.C. AT INTERMEDIATE SUPPORTS, UON. MINIMUM PENETRATION IS 1 5/8" INTO FRAMING.
- 6 LIMIT LIVE LOAD DEFLECTION TO SPAN OVER 960 FOR RAFTERS, JOISTS, BEAMS.
- 7 USE GLB 3 1/8" X 12", 24F-1.8E WS, UNBALANCED RAFTERS @ 48" O.C..
- 8 SIMPSON GLB5A BEAM SEAT
- 9 STEEL SADDLE PER 1/S3.1, TYPICAL ALONG GRID LINES 1, 2, 4, & 5.
- 10 STEEL SADDLE PER 1/S3.2, TYPICAL ALONG GRID LINES A, B, C, & D.
- 11 CONTROL JOINT PER 4/S2.3



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Project:  
**MILLER PARK RESTROOM & CONCESSIONS**  
 CITY OF FLORENCE, OR,  
 MILLER PARK

Owner:  
**CITY OF FLORENCE**

Stamp:  
 7-11-18  
**PRECISION STRUCTURAL ENGINEERING**  
 REGISTERED PROFESSIONAL ENGINEER  
 19113PE  
 OREGON  
 MAY 15, 1997  
 HABIL M. TAHA  
 EXPIRATION DATE: 06/30/20

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| DESIGNED BY: B.H.                          |       |     |
| CHECKED BY: N.T.                           |       |     |
| ISSUE DATE: 07-11-18                       |       |     |
| PROJECT NUMBER:<br><b>CIVIL WEST 217-4</b> |       |     |
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| PAGE NO:<br><b>S3.1</b>                    |       |     |

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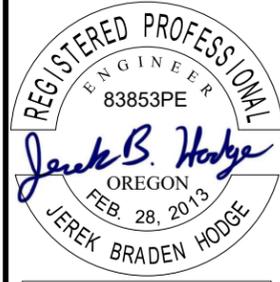
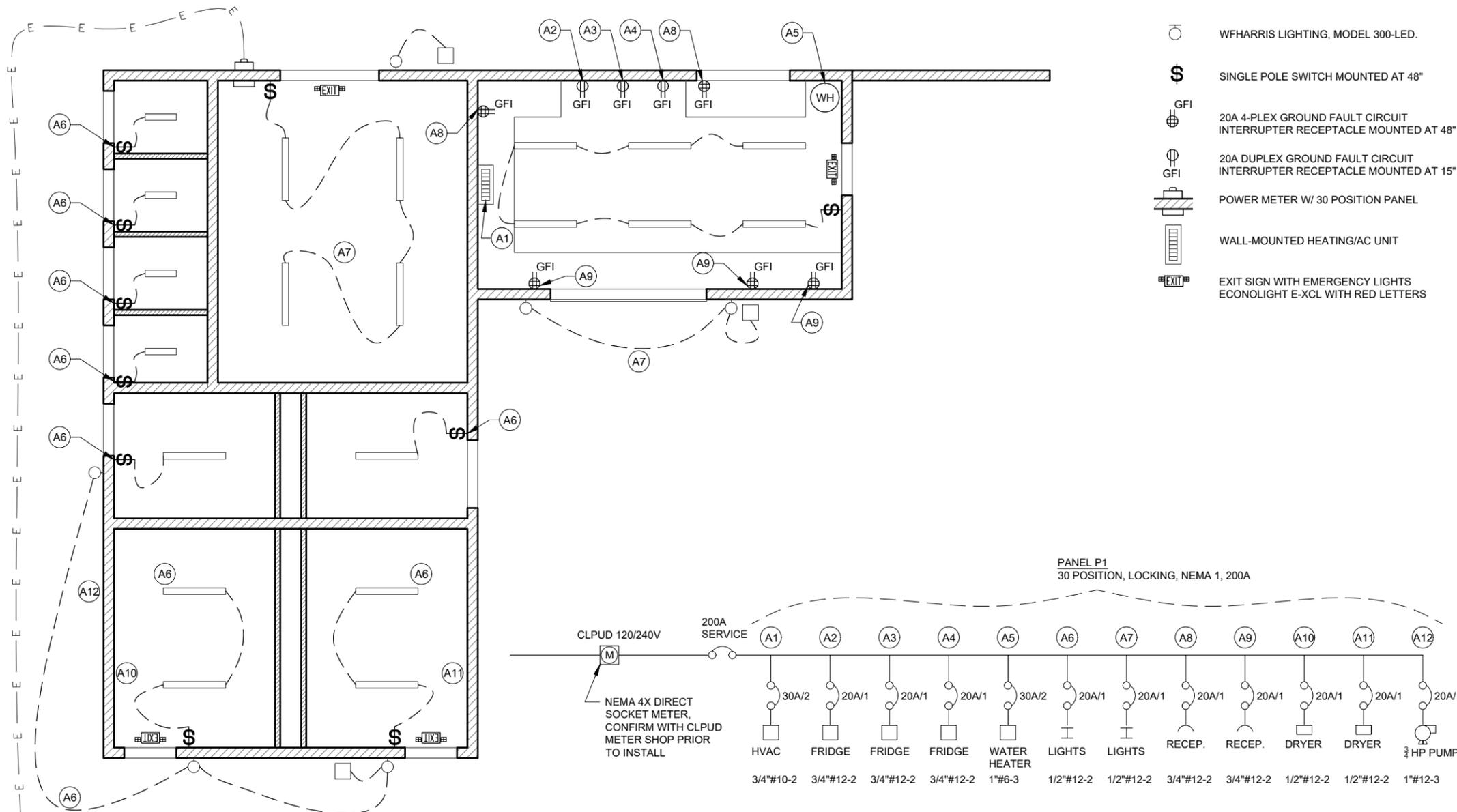


# ELECTRICAL NOTES

1. INSTALL WIRING AND CONDUIT PER NEC CODES
2. SURFACE MOUNT EMT CONDUIT. STRAP CONDUIT TO CODE. PAINT CONDUIT TO MATCH WALLS.
3. OUTDOOR CONDUIT MUST BE PVC SCH 40 GREY
4. SWITCHES AND RECEPTACLES MUST BE COMMERCIAL GRADE, 2 YEAR WARRANTY, TAMPER RESISTANT, LEVITON MTS62-SW, CS120-2W, M7899-W
5. GROUND BUILDING USING UFER ROD
6. ALL WIRE THHN #12 AWG EXCEPT HVAC AND WATER HEATER SIZED TO MEET AMP RATING
7. METER BASE MUST BE NEMA4X, EATON B-LINE 124TB-SS
8. 30 POSITION NEMA 1 LOAD CENTER W/ MAIN BREAKER, SIEMENS P1 USING BOLT-ON BREAKERS AND MAIN BREAKER
9. 24,000 BTU TRANE 30A UNIT HANDLER: 4MXN2724A10N0A  
PUMP: 4TXK2724A10N0A  
FEED CONTROL WIRE FROM HANDLER AND PUMP IN FLEXIBLE CONDUIT
10. MUST GET METERING EQUIPMENT PREAPPROVED BY UTILITY PRIOR TO ORDERING
11. RECONNECT EXISTING ELECTRICAL SERVICE. INSTALL HANDHOLE FROM EXISTING CONDUIT AND TRENCH 3" PVC CONDUIT TO NEW SERVICE LOCATION.
12. BOND GROUND AT NEUTRAL AT MAIN PANEL. TEST ALL WIRING WITH 1000 OHM MEGGER.
13. LABEL ALL WIRING AND LABEL PANELS WITH WHITE ON BLACK LETTERING MELAMINE PLATE

# LEGEND

- LITHONIA LBL2 LP835 2' LED FIXTURE WRAP
- LITHONIA LBL4 LP835 4' LED FIXTURE WRAP
- PHOTOCELL
- WFHARRIS LIGHTING, MODEL 300-LED.
- SINGLE POLE SWITCH MOUNTED AT 48"
- 20A 4-PLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE MOUNTED AT 48"
- 20A DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE MOUNTED AT 15"
- POWER METER W/ 30 POSITION PANEL
- WALL-MOUNTED HEATING/AC UNIT
- EXIT SIGN WITH EMERGENCY LIGHTS ECONOLIGHT E-XCL WITH RED LETTERS



EXPIRATION DATE: 6/30/19

**Civil West**  
Engineering Services, Inc.

486 E Street  
Coos Bay, Oregon 97420

541-266-8601  
www.civilwest.com

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| Designed By: ALF     | Drawn By: ALF | Checked By: JBH |
| Project No: 1503-016 |               |                 |

CITY OF FLORENCE  
MILLER PARK  
MILLER PARK RESTROOM & CONCESSIONS BUILDING

**ELECTRICAL PLAN**

Sheet No: **E101**  
Date: **JULY 2018**

DATE: 10/10/18 FILE: O:\CW\_Projects\1503\_Florence\1503-016 Florence - Miller Parks Restroom & Concessions Building\Drawings\DWG\1503-016 DESIGN.dwg



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E101

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