

ADDENDUM NO. 1

TO

CONTRACT DOCUMENTS

**WAYLAND HIGH SCHOOL ATHLETIC FIELD BUILDINGS
Wayland, MA**

IFB #20-1012

August 12, 2019

NOTICE TO BIDDERS

The attention of all bidders submitting proposals for “Improvements to Wayland High School Athletic Field Buildings” is called to the following Addenda to the specifications and plans. The items set forth herein, whether of omission, addition or substitution are to be included in, and form part of the specifications and plans of the above-named project for bids to be received as advertised.

**PLEASE BE SURE TO ACKNOWLEDGE
THIS ADDENDUM ON BID PRICING PAGE**

The following clarifications, modifications, deletions and additions are hereby incorporated into and become part of the Contract Documents.

WRITTEN CHANGES AND CLARIFICATIONS TO SPECIFICATIONS:

1. For clarification, the sub bid and bid submission schedule is as follows:

- Final day for questions by filed sub-bids is Aug. 19, 2019, no later than 11:00 AM
- Filed sub-bids are due to be submitted, Aug 22, 2019, no later than 2:00 PM
- Final day for GC.s to ask questions is Aug. 26, 2019, no later than 11:00 AM
- General Bids must be submitted by Aug 29, 2019, no later than 2:00 PM

2. Specification Section 00300 – FORM OF GENERAL BID

DELETE: FORM OF GENERAL BID

ADD: FORM OF GENERAL BID, per attachment.

3. Specification Section 00 41 13.13b – FORM FOR SUB BID ITEM 2, ROOFING

DELETE: FORM FOR SUB BID ITEM 2, ROOFING

ADD: FORM OF SUB BID ITEM 2, ROOFING, per attachment.

4. Specification Section 06 10 00– ROUGH CARPENTRY, Part 2 - Products

ADD: Section 2.02 EXTERIOR SOFFIT VENTS

- B. Pattern: 2.4-inch exposure perforated smooth board style, 0.7-inch high.
- C. Ventilation: Provide vented soffit, 9 square inches of net free area per lineal foot Minimum.
- D. Finish: White

4. Specification Section 07 31 13– ROLLED ASPHALT ROOF MEMBRANE, Section 2.01 Materials:

ADD: Item E: SBS Self Adhering Base / Ply Sheet by GAF Corporation “LIBERTY” or approved equal.

A. Applicable Standards:

- 1. ASTM D4601, TYPE II
- 2. ASTM D1970
- 3. FM Approved

B. Asphalt Lb / 100 ft² – Min \geq 7.0

5. Specification Section 07 41 13 – STANDING SEAM METAL ROOF

DELETE: Part 1-General, Section 1.01 Work Included, Item A:references to Item 2: Integral gutters, downspouts and rain leaders.

DELETE: Section 2.05: Fabrication – Gutters and Downspouts.

DELETE: Section 3.06: Installation – Gutters

DELETE: Section 3.07: Installation – Downspouts

WRITTEN CHANGES AND CLARIFICATIONS TO PLANS:

- 1. **DELETE:** Sheet A101 RESTROOM BUILDING – FLOOR PLAN, ROOF PLAN & R.C.P.
ADD: Sheet A101 RESTROOM BUILDING – FLOOR PLAN, ROOF PLAN & R.C.P., per attachment.
- 2. **DELETE:** Sheet A102 RESTROOM BUILDING – ELEVATIONS & BLDG. SECTIONS
ADD: Sheet A102 RESTROOM BUILDING – ELEVATIONS & BLDG. SECTIONS, per attachment.
- 3. **DELETE:** Sheet A201 OVERALL FLOOR PLANS, ELEVATIONS AND SECTIONS – CONCESSION BUILDING
ADD: Sheet A201 OVERALL FLOOR PLANS, ELEVATIONS AND SECTIONS – CONCESSION BUILDING, per attachment.
- 4. **DELETE:** Sheet A202 WALL SECTIONS AND DETAILS
ADD: Sheet A202 WALL SECTIONS AND DETAILS, per attachment.
- 5. **DELETE:** Sheet A203 ROOF AND PLAN DETAILS
ADD: Sheet A203 ROOF AND PLAN DETAILS, per attachment.

6. **DELETE:** Sheet E101 RESTROOM PLANS
ADD: Sheet E101 RESTROOM PLANS, per attachment.
7. **DELETE:** Sheet E201 CONCESSION PLANS
ADD: Sheet E201 CONCESSION PLANS, per attachment.
8. **DELETE:** Sheet P-101 PLUMBING RESTROOMS
ADD: Sheet P-101 PLUMBING RESTROOMS, per attachment.

QUESTIONS AND CLARIFICATIONS

1. Clarification:

The awarded contractor for IFB #20-1012, WAYLAND HIGH SCHOOL ATHLETIC FIELD BUILDINGS contract shall be responsible to provide coordination and cooperation with the awarded site contractor for IFB #19-1057 IMPROVEMENTS TO WAYLAND HIGH SCHOOL ATHLETIC FACILITIES. The demarcation of work at the three building installation locations: storage building, restroom building, and ticket/concession building shall be as follows:

Building Contractor (Contract IFB #20-1012) – Installation of all work above and including the floor slab, connections to all utility feeds installed by the site contractor through the foundation and stubbed up to subgrade elevation.

Site Contractor (Contract IFB #19-1057) – Installation of all work to include excavation, foundation installation, backfill, utility installations, and feeds through the foundation, and stubbed to subgrade elevation and all finished pavement materials to the face of the building.

2. **Question:** Specification Section 07 41 13, and detail 4/A103, calls for gutters and downspouts; however, none are shown on the roof plan or on the elevations. Are gutters and downspouts required and, if so, please indicate locations.

Response: There are no downspouts or gutters on the project. Contractor shall delete all references to gutter shown on detail 4 / A103. Delete reference to integral gutters, downspouts, rain leaders throughout specification Section 07 41 13, STANDING SEAM METAL ROOF. Deleted specification 07 41 13, STANDING SEAM METAL ROOF, Section 2.05 FABRICATION – GUTTERS AND DOWNSPOUTS and Section 3.06 INSTALLATION – GUTTERS, AND 3.07 INSTALLATION – DOWNSPOUTS in their entirety.

3. **Question:** Which trade is responsible for furnishing and installing the soffit vent shown on Detail/Drawing 4/A103?

Response: The General Contractor is responsible for installing the soffit vent shown in detail 4 / A103

4. **Question:** Which trade is responsible for furnishing and installing the metal sill flashing shown on Detail/Drawing 3/A103, the head flashing shown on Details/Drawing 3 & 5/A301 and at the flashed horizontal joint shown on Details/Drawing 1 & 4/A302?

Response: The General Contractor is responsible for furnishing and installing the metal sill flashing at 3 / A103, the fiber cement to pre-cast sill transition, 3&5 / A301, the door head flashing, and at 4 / A302, the flashed horizontal joint.

- 5. Question:** Detail/Drawing 2/A302 calls for self-adhering rolled asphalt cap & base sheet (2-layers). The base sheet does not appear to be listed within Specification Section 07 31 13. Please provide product specification.

Response: ADD: Item E: SBS Self Adhering Base / Ply Sheet by GAF Corporation “LIBERTY” or approved equal.

A. Applicable Standards:

1. ASTM D4601, TYPE II
2. ASTM D1970
3. FM Approved

B. Asphalt Lb / 100 ft² – Min \geq 7.0

ATTACHMENTS:

00300 Form for General Bid

00 41 13.13b Form for Sub Bid Item 2 Roofing

Sheet A101 RESTROOM BUILDING – FLOOR PLAN, ROOF PLAN & R.C.P.

Sheet A102 RESTROOM BUILDING – ELEVATIONS & BLDG. SECTIONS

Sheet A201 OVERALL FLOOR PLANS, ELEVATIONS AND SECTIONS – CONCESSION BUILDING

Sheet A202 WALL SECTIONS AND DETAILS

Sheet A203 ROOF AND PLAN DETAILS

Sheet S101 RESTROOM FOUNDATION AND SLAB PLAN WITH DETAILS

Sheet S102 RESTROOM FRAMING PLAN, TRUSS ELEVATIONS AND DETAILS

Sheet S201 CONCESSION FOUNDATION AND SLAB PLAN WITH DETAILS

Sheet S202 CONCESSION FRAMING PLAN, TRUSS ELEVATIONS AND DETAILS

Sheet E101 RESTROOM PLANS

Sheet E201 CONCESSION PLANS

Sheet P-101 PLUMBING RESTROOMS

END OF ADDENDUM NO. 1

SECTION 00300

FORM OF GENERAL BID

Bid of _____ (hereinafter called "Bidder")*

(____) a corporation, organized and existing under the laws of the state of _____

(____) a partnership

(____) a joint venture

(____) an individual
doing business as _____

To the Town of Wayland, Massachusetts (hereinafter called "Owner").

Gentlemen:

(A) The undersigned Bidder, in compliance with your invitation for bids for the project known as **IFB #20-1012 WAYLAND HIGH SCHOOL ATHLETIC FIELDS BUILDINGS** having examined the plans and specifications and related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby proposes to furnish all labor, materials, and supplies, and to construct the project in accordance with the contract documents and the plans and specifications within the time set forth below, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the contract documents, of which this bid is a part.

The Bidder hereby agrees to commence work on or before the date to be specified in written "Notice to Proceed" of the Owner, and to fully complete the project within 180 consecutive calendar days thereafter.

The Bidder further agrees to pay as liquidated damages the sum of Two Hundred (\$200.00) Dollars for each consecutive calendar day thereafter that the work is not complete as provided in the contract.

*Specify corporation, partnership or individual as applicable

B) Bidder acknowledges receipt of, and this bid includes the following addenda:

No. _____ Dated: _____

No. _____ Dated: _____

No. _____ Dated: _____

No. _____ Dated: _____

C) The Bidder agrees to perform the bid work of the Base Bid described in the specifications and shown on the plans for the following contract price:
\$ _____ (\$ _____) Dollars.

D) Alternates

<u>FOR ALTERNATE NO.</u>	<u>DEDUCT</u>
2. Eliminate roof dormer canopies at all areas of concession building and restroom building, including all associated structural framing and foundations, architectural trim and masonry column covers, soffits, and electrical lighting.	\$ _____ Written: _____ _____

E.) The Supplemental Unit Prices set forth herein shall be used to determine any equitable adjustment of the Contract Price in connection with the changes or extra work performed under this Contract as directed by the City. It is mutually understood and agreed that such Unit Prices include all items of costs, equipment, taxes and insurance of every kind, overhead, and profit for the Contractor and they shall be used uniformly, without modification for addition and deductions. Prices listed under ADDITIONS and DEDUCTIONS are to be the complete total price billed to and paid by the City therefor. There can be no more than fifteen (15) percent difference in price between the additions and deductions.

The Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

The Bidder agrees that this bid shall be good and may not be withdrawn for a period of 30 days, Saturdays, Sundays and legal holidays excluded, after the opening of bids.

Within 10 days of receipt of the written notice of acceptance of this bid, the Bidder will execute the formal Agreement set forth in Section 00500 CONTRACT.

Bid security is attached in the sum of five percent (5%) of the total bid in accordance with the conditions of Section 00100 INSTRUCTIONS TO BIDDERS. The bid security may become the property of the Owner in the event the contract and bond are not executed within the time set forth above.

The selected Contractor shall furnish a payment bond in an amount at least equal to fifty percent (50%) of the contract price in accordance with Section 00620 PAYMENT BOND, and as stipulated in the contract.

The undersigned offers the following information as evidence of his qualifications to perform the work as bid upon according to all the requirements of the plans and specifications.

1. Have been in business under present name for ____ years.

2. The names and addresses of all persons interested in the bid (if made by a partnership or corporation) as principals, are as follows:

(attach supplementary list if necessary)

3. The bidder is requested to state below what work of a similar character to that included in the proposed contract he has done and give references that will enable the Owner to judge his experience, skill and business standing (add supplementary page if necessary).

<u>Completion</u> <u>Date</u>	<u>Project</u> <u>Name</u>	<u>Contract</u> <u>Amount</u>	<u>Design</u> <u>Engineer</u>	<u>Reference</u> <u>Name</u>	<u>Telephone</u> <u>No.</u>
----------------------------------	-------------------------------	----------------------------------	----------------------------------	---------------------------------	--------------------------------

a. _____

b. _____

c. _____

d. _____

e. _____

f. _____

Bank reference _____
(Name)

(Bank)

(Address)

(Telephone No.)

Pursuant to G.L. c.62C, §49A, I certify hereby in writing, under penalties of perjury, that the within named Bidder/Contractor has complied with all laws of the commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting of child support.

The undersigned Bidder hereby certifies under penalties of perjury, as follows: (1) that he/she is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work; (2) that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and (3) that all employees to be employed in the work subject to this bid have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration.

The undersigned certifies under penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this paragraph the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.

The undersigned bidder hereby certifies, under pains and penalties of perjury, that the foregoing bid is based upon the payment to laborers to be employed on the project of wages in an amount no less than the applicable prevailing wage rates established for the project by the Massachusetts Department of Labor and Workforce Development. The undersigned bidder agrees to indemnify the awarding authority for, from and against any loss, expense, damages, actions or claims, including any expense incurred in connection with any delay or stoppage of the project work arising out of or as a result of (1) the failure of the said bid to be based upon the payment of the said applicable prevailing wage rates or (2) the failure of the bidder, if selected as the contractor, to pay laborers employed on the project the said applicable prevailing wage rates.

Respectfully submitted:

Date: _____

By: _____
(Signature)

(Type Name of Bidder)

(Title)

(Business Address)

(City and State)

(Telephone Number)

SECTION 00 41 13.13b

FORM FOR SUB BID ITEM 2
ROOFING

To All General Bidders Except Those Excluded:

- A. The undersigned proposes to furnish all labor and materials required for completing, in accordance with the hereinafter described plans, specifications and addenda, all the work specified in Division 07-Roofing of the specifications and in any plans specified in such section, prepared by Weston & Sampson Engineers, Inc. for construction of **IFB #20-1012 Wayland High School Athletic Field Buildings**, in Wayland, Massachusetts, for the contract sum of

_____ Dollars*

(\$ _____).

*** All entries must be made clearly and in ink.**

<u>FOR ALTERNATE NO.</u>	<u>DEDUCT</u>
1. Architectural asphalt shingles in lieu of standing seam metal roof.	\$ _____ Written: _____ _____
2. Eliminate roof dormer canopies at all areas of concession building and restroom building, including all associated structural framing and foundations, architectural trim and masonry column covers, soffits, and electrical lighting.	\$ _____ Written: _____ _____

- B. This sub-bid includes addenda numbered _____.

- C. This sub-bid
 (___) may be used by any general bidder except:

() may only be used by the following general bidders:

- D. The undersigned agrees that, if it is selected as a sub-bidder it will, within five (5) days, Saturdays, Sundays, and legal holidays excluded, after presentation of a subcontract by the general bidder selected as the general contractor, execute with such general bidder a subcontract in accordance with the terms of this sub-bid, and contingent upon the execution of the general contract, and, if requested so to do in the general bid by the general bidder, who shall pay the premiums therefor, or if prequalification is required pursuant to section 44D 3/4, furnish a performance and payment bond of a surety company qualified to do business under the laws of the Commonwealth and satisfactory to the awarding authority, in the full sum of the subcontract price.
- E. The names of all persons, firms and corporations furnishing to the undersigned labor or labor and materials for the class or classes or part thereof of work for which the provisions of the section of the specifications for this sub-trade require a listing in this paragraph, including the undersigned if customarily furnished by persons on his own payroll and in the absence of a contrary provision in the specifications, the name of each such class of work or part thereto and the bid price for each such class of work or part thereof are:

Name	Class of Work	Bid Price

(Do not give bid price for any class or part thereof furnished by undersigned.)

- F. The undersigned agrees that the above list of bids to the undersigned represents bona fide bids based on the hereinbefore described plans, specifications and addenda and that, if the undersigned is awarded the contract, they will be used for the work indicated at the amounts

stated, if satisfactory to the awarding authority.

- G. The undersigned further agrees to be bound to the General Contractor by the terms of the hereinbefore described plans, specifications, including all general and supplemental general conditions stated therein, and addenda, and to assume toward it all the obligations and responsibilities that it, by those documents, assumes toward the Owner.
- H. The undersigned offers the following information as evidence of its qualifications to perform the work as bid upon according to all the requirements of the plans and specifications:

- 1. Have been in business under present business name _____ years.
- 2. Ever failed to complete any work awarded? _____
- 3. List one or more recent buildings with names of General Contractor and architect on which you served as a subcontractor for work of similar character as required for the above-named building.

	Building	Architect	General Contractor	Amount of Contract
a.				
b.				
c.				

- 4. Bank reference _____
- I. The undersigned hereby certifies it is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work; that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee: and that it will comply fully with all laws and regulations applicable to awards of subcontracts subject to section 44F.
- J. The undersigned understands that all bids for this project are subject to the applicable bidding laws of the Commonwealth of Massachusetts, including General Laws Chapter 149, Sections 44A to 44J, as amended. Every sub-bidder must furnish the DCAM Sub-bidder Update Statement with the bid.
- K. The undersigned agrees to comply with the applicable portions of Division 00 and 01 of the project specifications, and other sections of the specification as referenced. The undersigned also agrees to coordinate all work with that of other trades to avoid conflict of equipment, so that the work of the entire project, including all trades, shall not be delayed

or interfered with.

- L. Bid security in the form of a bid bond, cash, certified check, treasurer's or cashier's check, payable to the Owner, in a dollar amount of 5 percent of the total bid, in accordance with the conditions in the INSTRUCTIONS TO BIDDERS, has been attached to this bid.
- M. The successful sub-bidder shall be required to submit to the General Contractor a signed certification showing compliance with the minority manpower ratios and specific action steps contained in The Commonwealth of Massachusetts Equal Employment Opportunity Anti-Discrimination and Affirmative Action Program reprinted in Section 00 73 73.16 of this specification.
- N. The undersigned further certifies under the penalties of perjury that this sub-bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

Date: _____

(Name of Sub-bidder)

By: _____

(Title and Name of Person Signing Bid)

(SEAL - if bid is by
a corporation)

(Business Address)

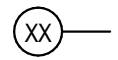
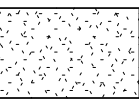
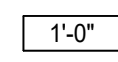
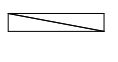
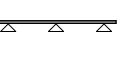

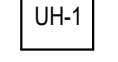
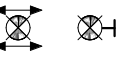
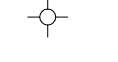



(City and State)

(Telephone Number)

(Fax Number)

END OF SECTION

REFLECTED CEILING PLAN LEGEND

-  SOFFIT DETAIL. REFER TO CEILING SERIES
-  GYPSUM BOARD CEILING
-  CEILING HEIGHT TAG
-  1' X 4' LED SURFACE MTD. LIGHT FIXTURE
-  TRACK LIGHTING
-  6' LED RECESSED LIGHT (CONCESSIONS)
-  FLUSH MOUNTED UNIT HEATER- SEE ELEC. DRAWINGS
-  EXIT SIGN
-  MOTION DETECTOR
-  OCCUPANCY SENSOR
-  FIRE ALARM SPEAKER / VISUAL SIGNAL
-  CO2 DETECTORS

FLOOR PLAN GENERAL NOTES:

1. EQUIPMENT SHOWN FOR REFERENCE ONLY. SEE P AND E DRAWINGS FOR MORE INFO.
2. F.E. = FIRE EXTINGUISHER
 - ⊙ BRACKET MOUNTED
3. ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF CMU UNLESS SPECIFICALLY NOTED OTHERWISE.
4. SEE SHEET A012 FOR PLUMBING FIXTURE SCHEDULE / MOUNTING HEIGHTS.

ROOF PLAN GENERAL NOTES

1. REFER TO EQUIPMENT, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS AND EQUIPMENT NOT SHOWN. ANY DISCREPANCIES REGARDING LOCATION OF EQUIPMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION IN FIELD.
2. ROOF SLOPE = 6" / 12"
3. PROVIDE ROOF FLASHING AT ALL PENETRATIONS INCLUDING BUT NOT LIMITED TO VENT STACKS, FLUES, AND EXHAUST FANS. REVIEW PLUMBING, EQUIPMENT, MECHANICAL, AND ELECTRICAL DRAWINGS FOR CONSTRUCTION NOT INDICATED ON THIS DRAWING.

REFLECTED CEILING PLAN NOTES

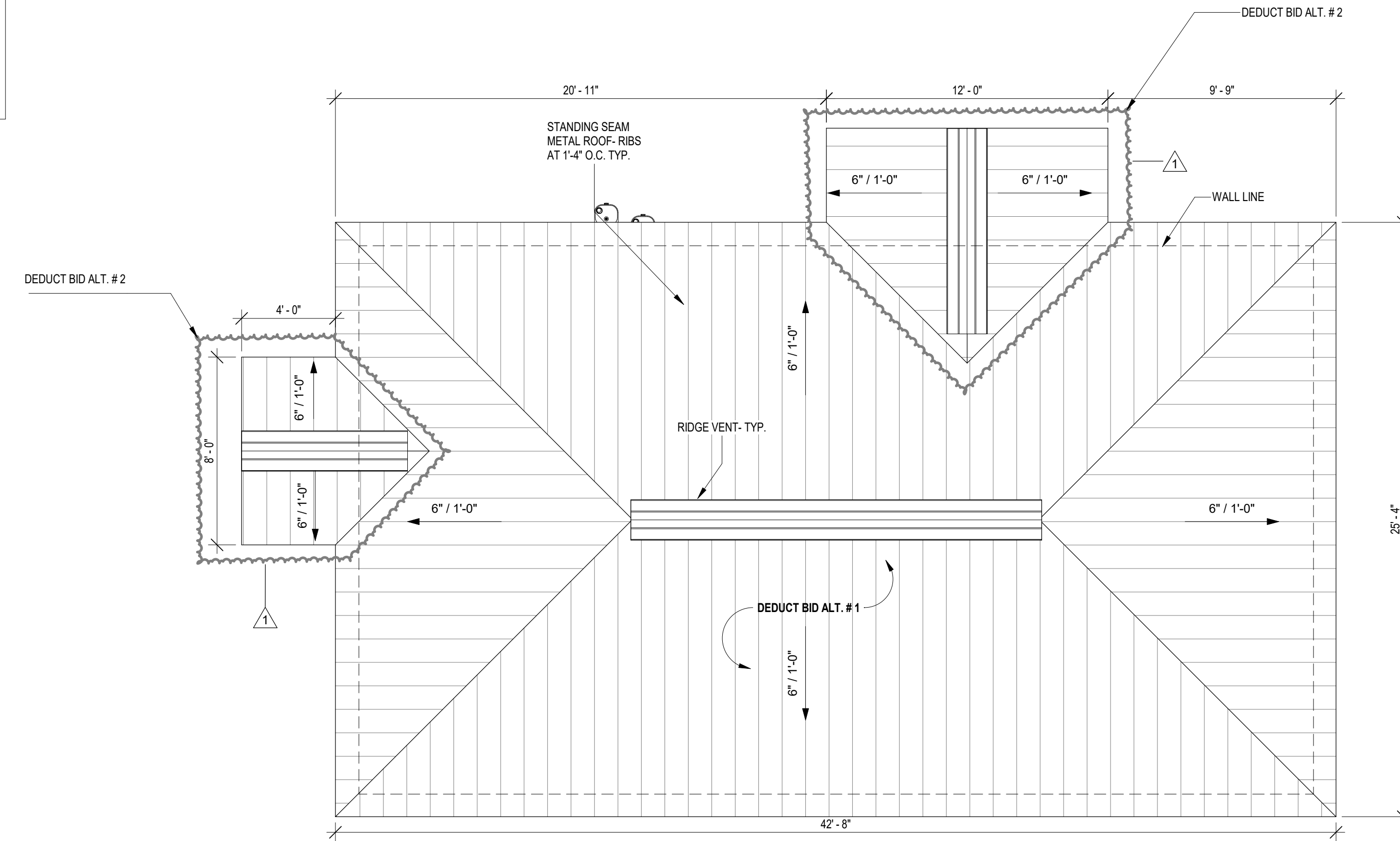
1. REFER TO M.E.P. DRAWINGS FOR LOCATION OF LIGHT FIXTURES AND ADDITIONAL CEILING INFORMATION.
2. ALL GWB CEILINGS AND SOFFITS AT 8'-10" AFF. (J.N.O.)
3. COORDINATE QUANTITY AND LOCATION OF LIGHT FIXTURES WITH ELECTRICAL DRAWINGS.
4. LIGHT FIXTURE SYMBOLS ON REFLECTED CEILING PLANS ARE DIAGRAMMATIC FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR TYPE OF LIGHT FIXTURES. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR QUANTITY OF LIGHT FIXTURES AS INDICATED ON THE ELECTRICAL DRAWINGS.

DEDUCT BID ALTERNATE # 1

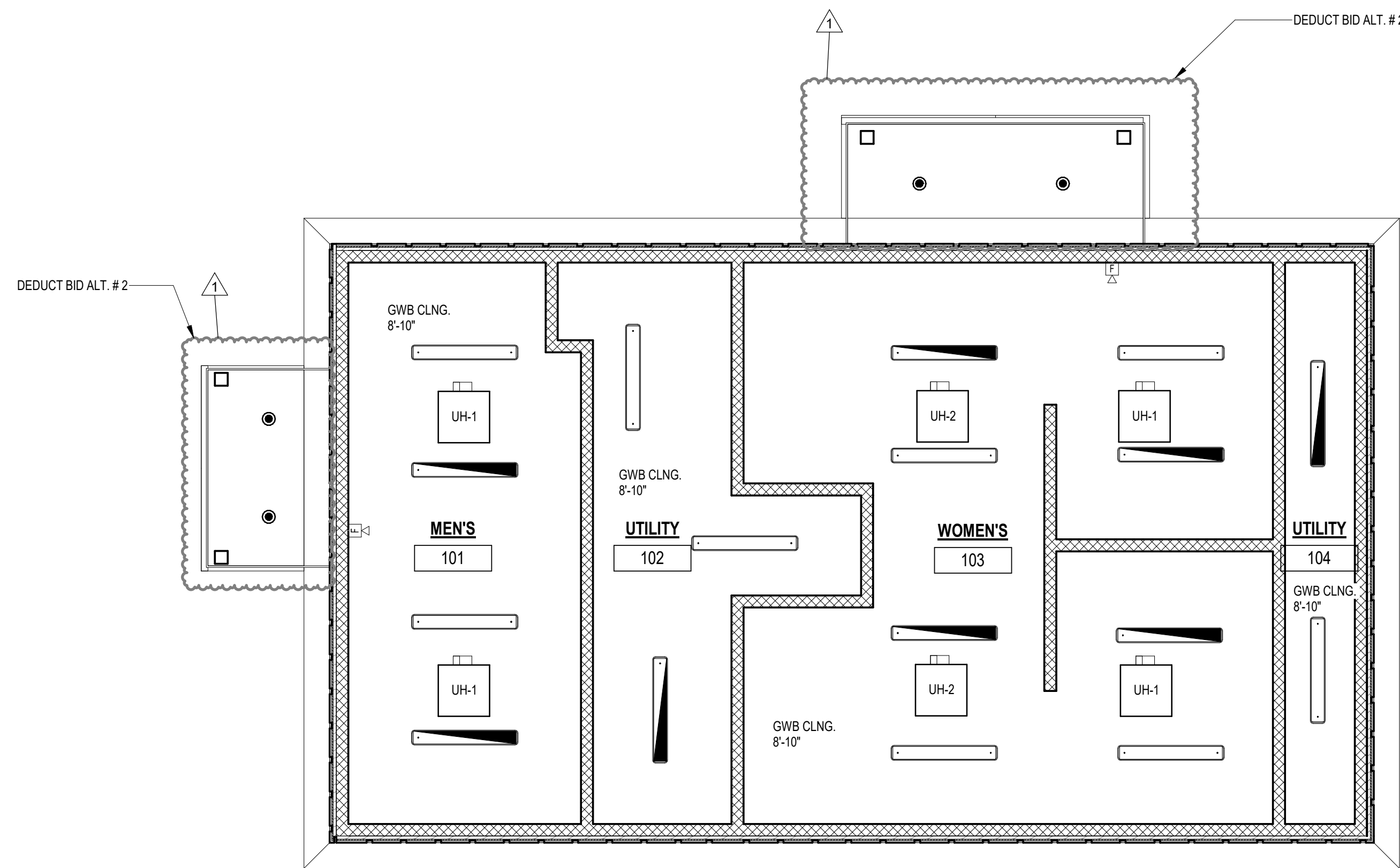
1. ARCHITECTURAL ASPHALT SHINGLES IN LIEU OF STANDING SEAM METAL ROOF

DEDUCT BID ALTERNATE # 2

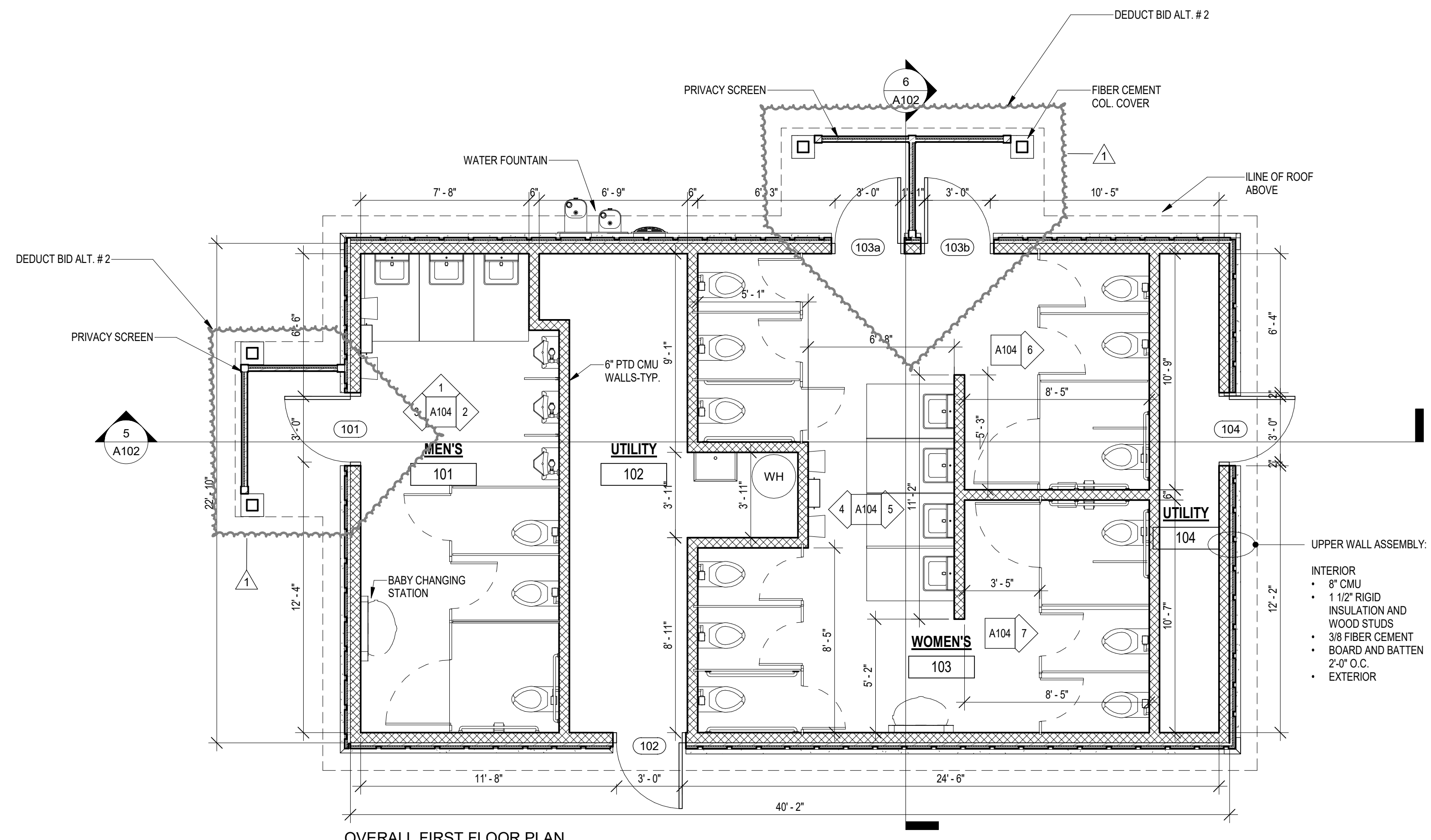
1. ELIMINATE ROOF DORMER CANOPIES AT ALL AREAS OF CONCESSION BUILDING AND RESTROOM BUILDING, INCLUDING ALL ASSOCIATED STRUCTURAL FRAMING AND FOUNDATIONS, ARCHITECTURAL TRIM AND MASONRY COLUMN COVERS, SOFFITS, AND ELECTRICAL LIGHTING.



OVERALL ROOF PLAN
1/4" = 1'-0"



R.C.P.
1/4" = 1'-0"



OVERALL FIRST FLOOR PLAN
1/4" = 1'-0"

Project:
WAYLAND HIGH SCHOOL
ATHLETIC FIELD BUILDING



264 Old Connecticut Path,
Wayland MA, 01778

Weston & Sampson

Weston & Sampson Engineers, Inc.
85 Devonshire Street
3rd Floor, Boston, MA 02109
617.412.4480 (800) SAMPSON
www.westonandsampson.com

Consultants:

No.	Date	Description
1	8.12.2019	Addendum #1



Issued For:

BIDDING
IFB # 20 - 2012

SCALE: AS NOTED

Date: July 30, 2019
 Drawn By: AF
 Reviewed By: JC
 Approved By: DT

W&S Project No: 2180076

W&S File No:

Drawing Title:

RESTROOM BUILDING- FLOOR PLAN, ROOF PLAN & R.C.P.

Sheet Number:

A101

Project:
WAYLAND HIGH SCHOOL
ATHLETIC FIELD BUILDING



264 Old Connecticut Path,
Wayland MA, 01778

Weston & Sampson

Weston & Sampson Engineers, Inc.
85 Devonshire Street
3rd Floor, Boston, MA 02109
617.412.4480 (800) SAMPSON
www.westonandsampson.com

Consultants:

Revisions:
No. Date Description

No.	Date	Description
1	8.12.2019	Addendum #1



Issued For:

BIDDING
IFB # 20 - 2012

SCALE: AS NOTED

Date: July 30, 2019

Drawn By: AF

Reviewed By: JC

Approved By: DT

W&S Project No: 2180076

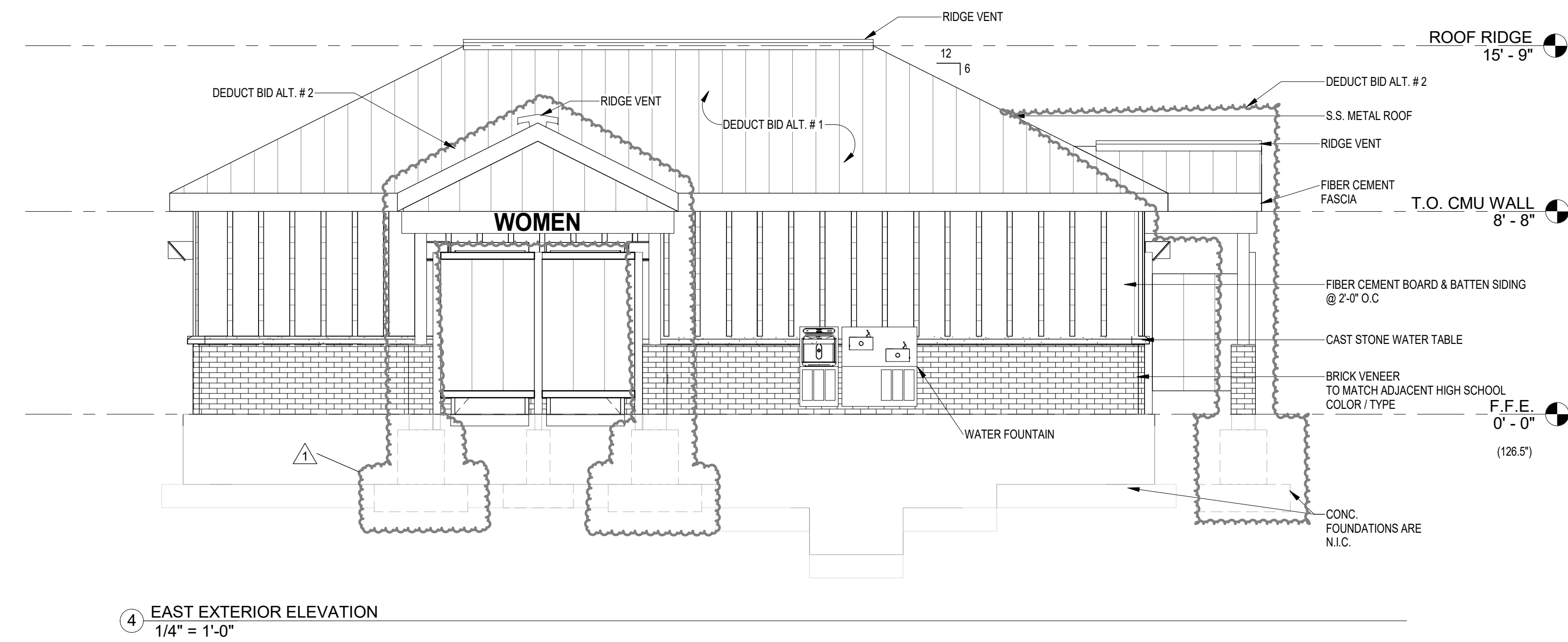
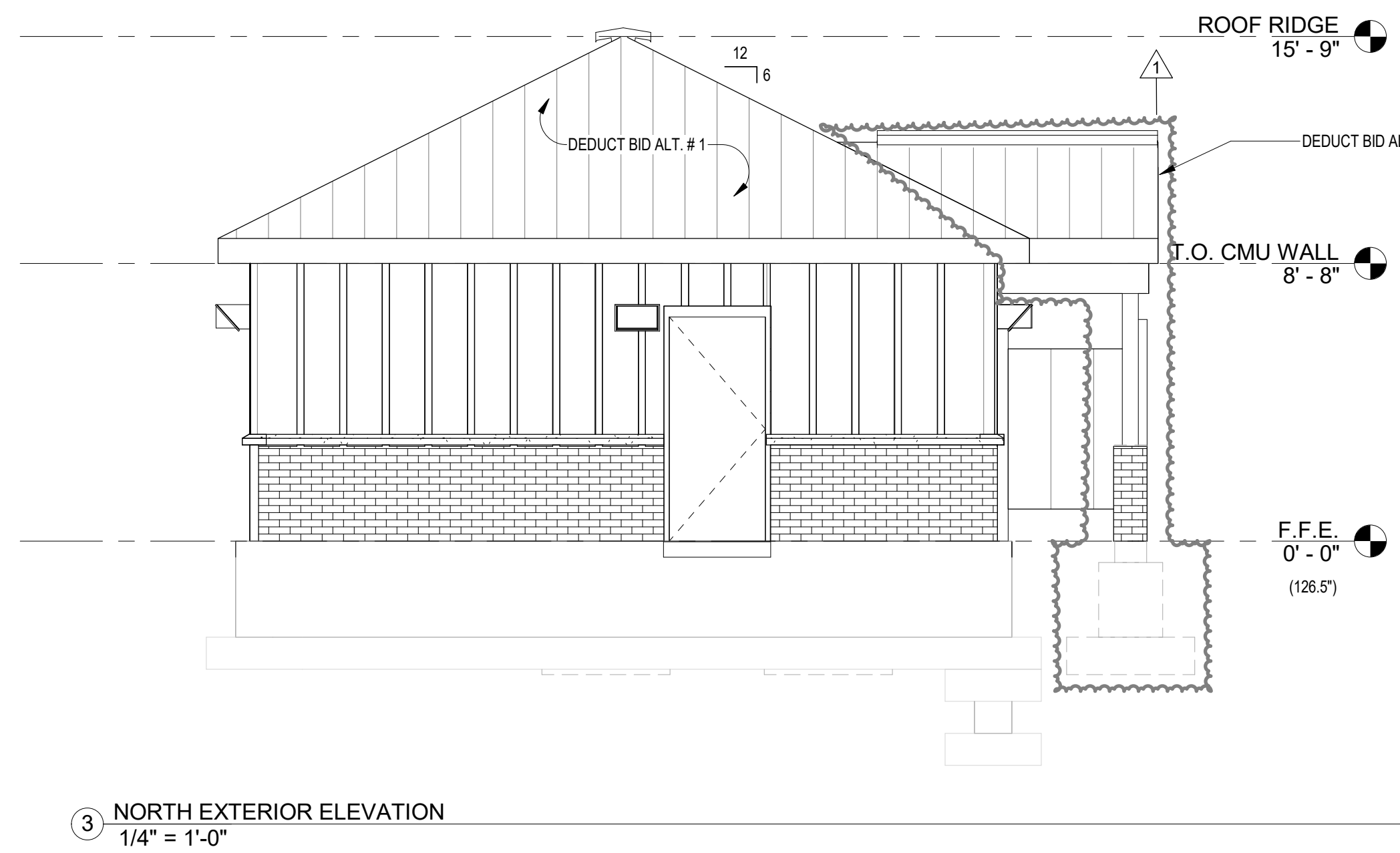
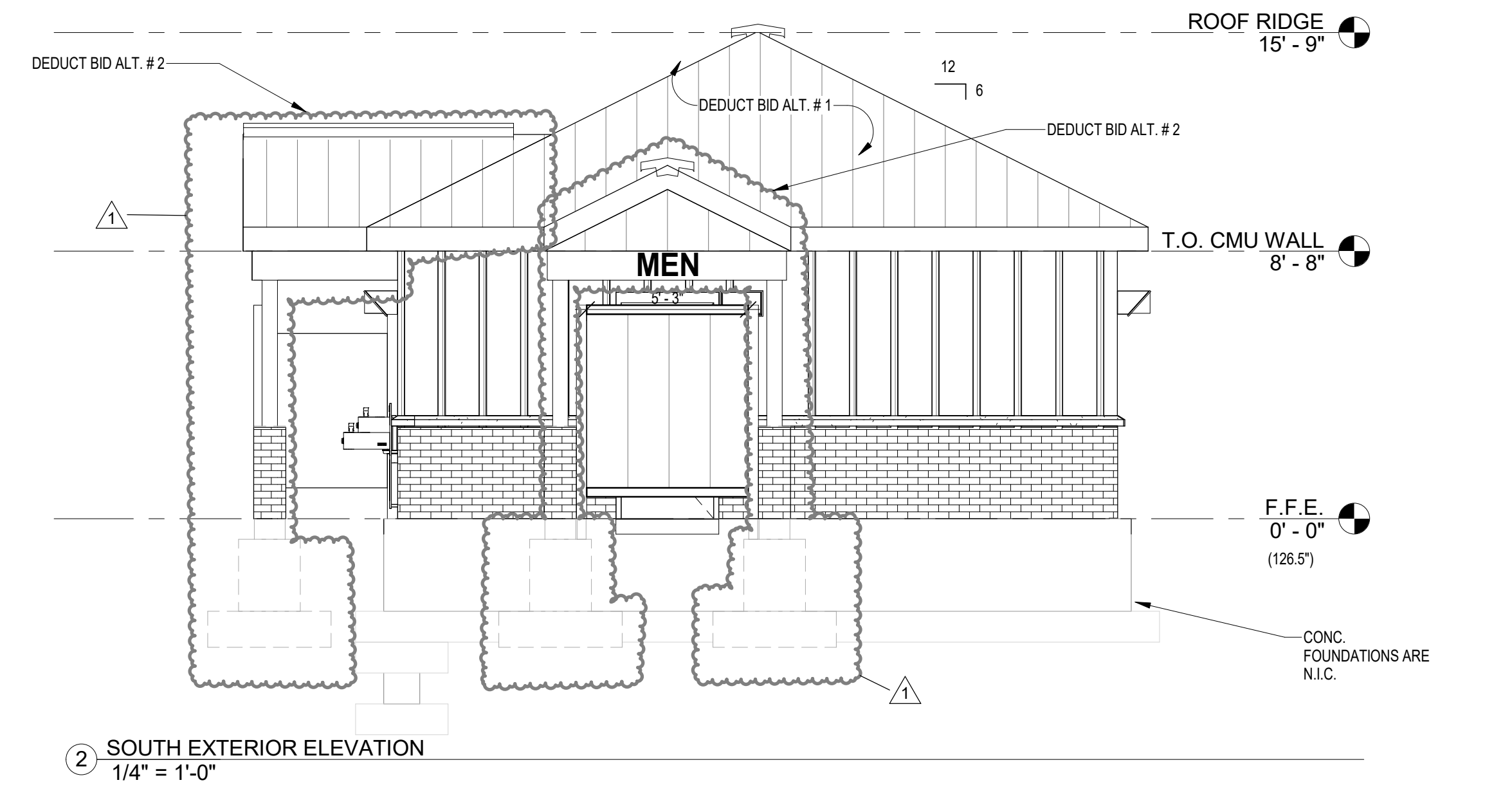
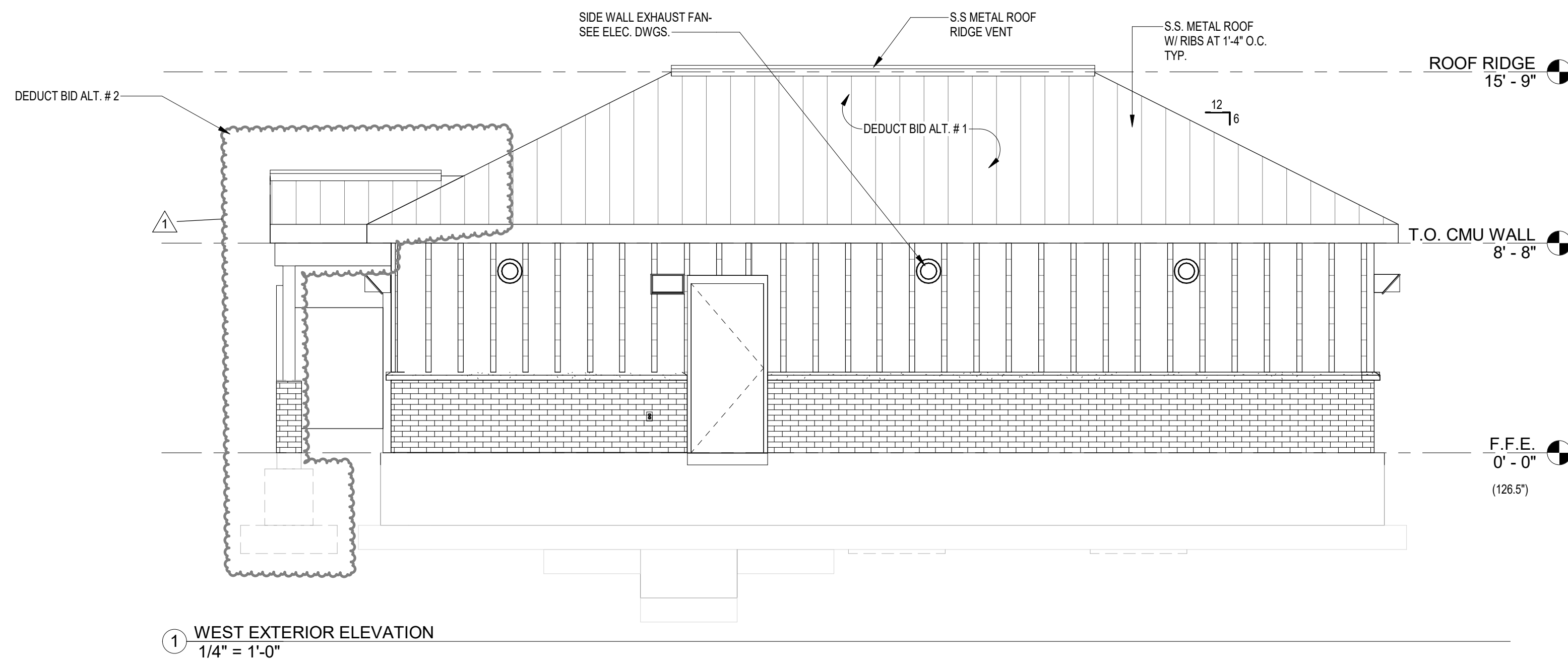
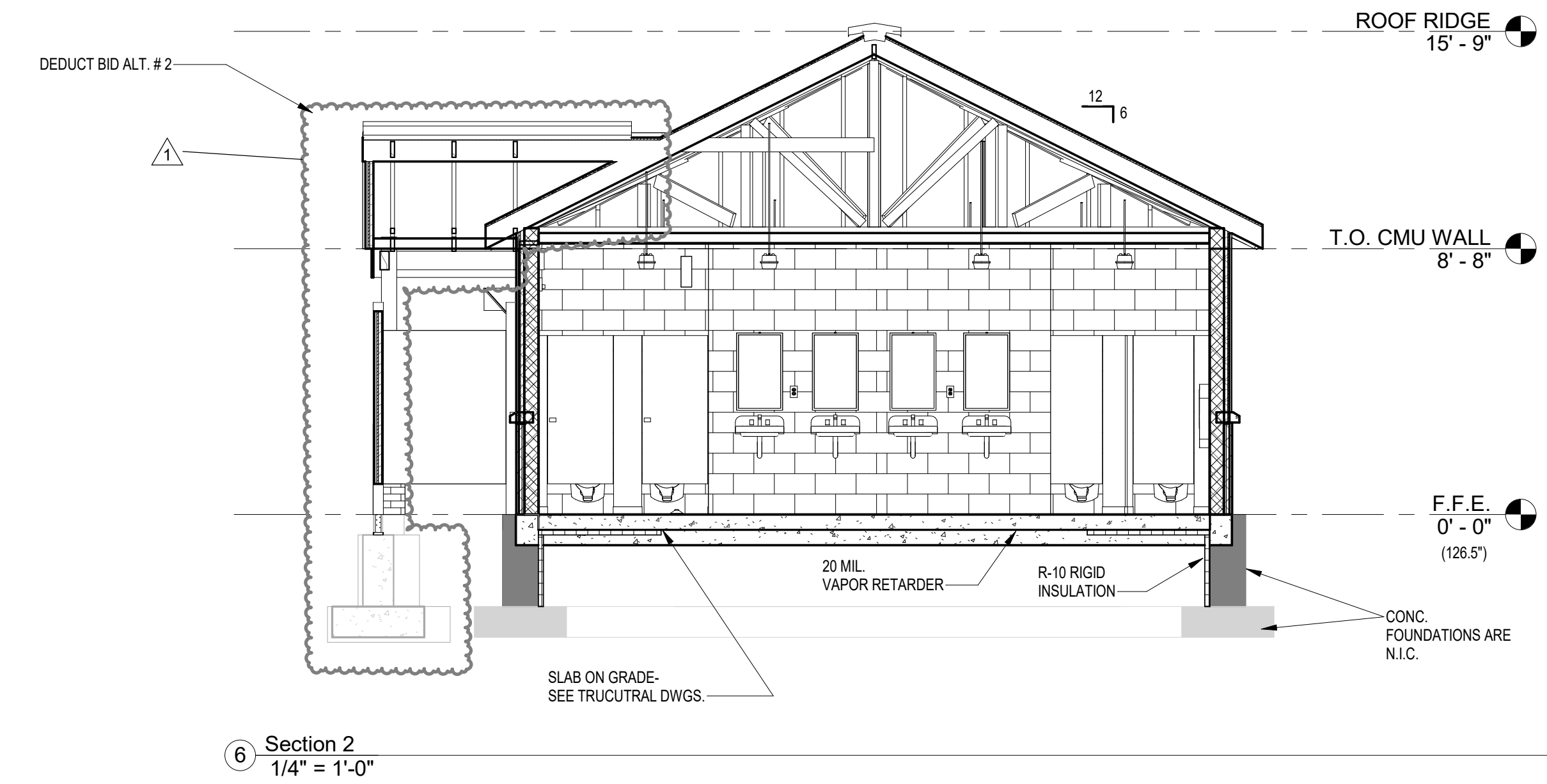
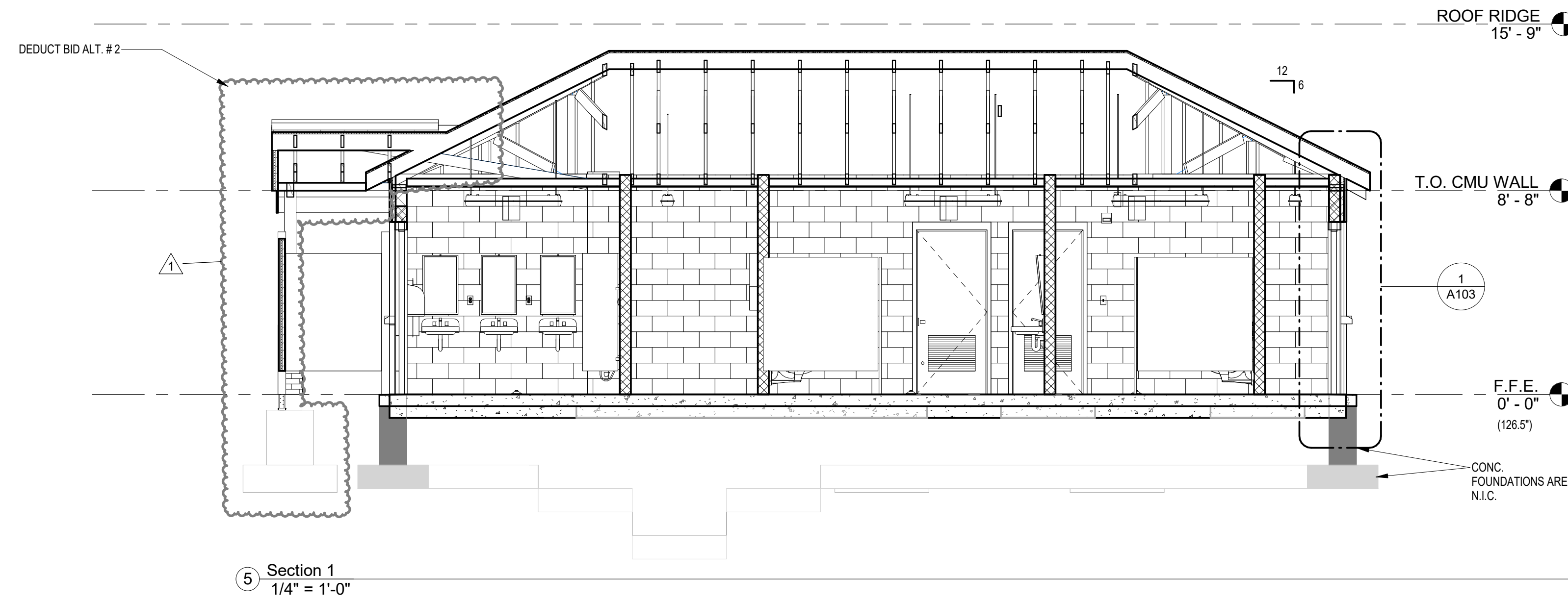
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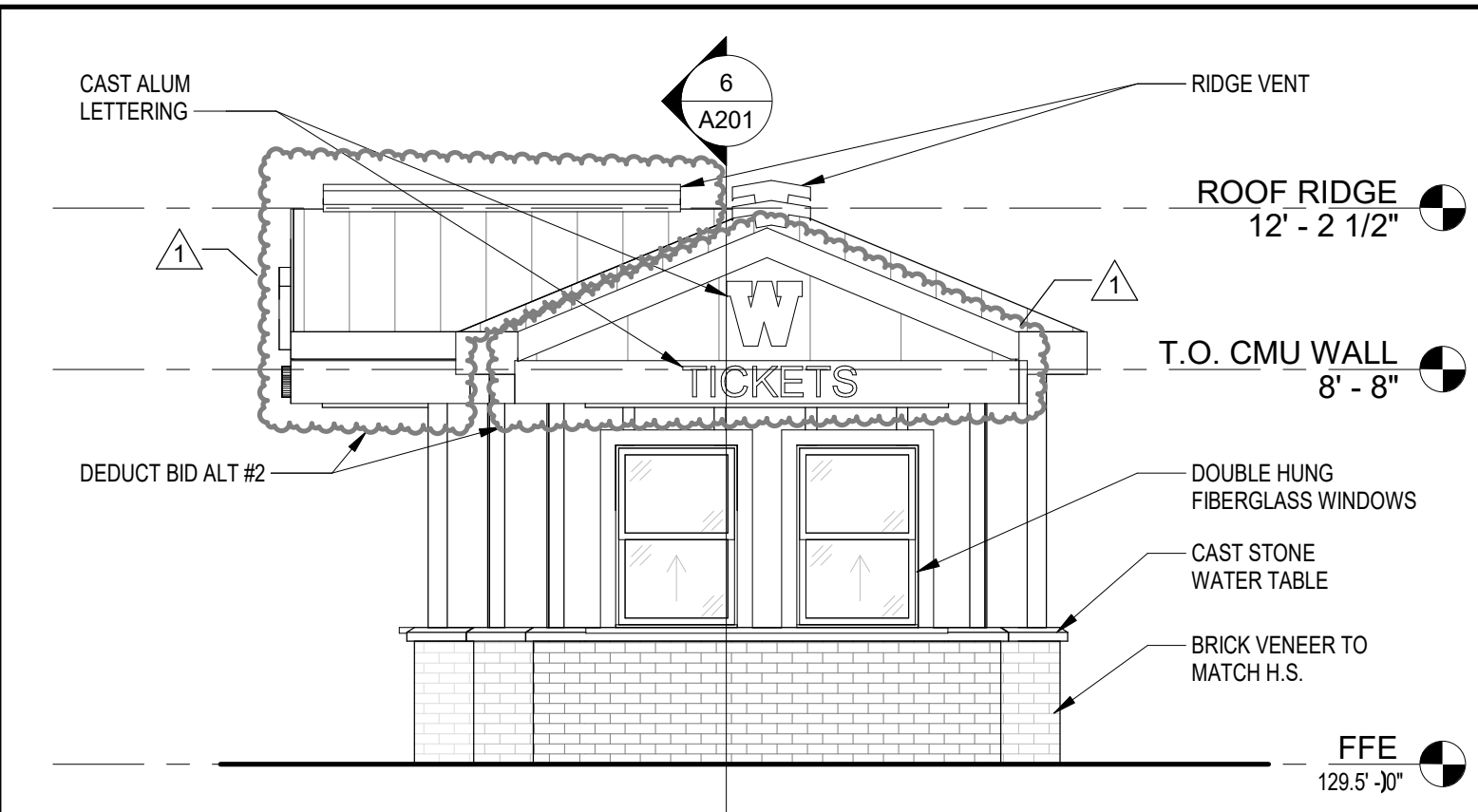
Drawing Title:

RESTROOM
BUILDING-
ELEVATIONS &
BLDG. SECTIONS

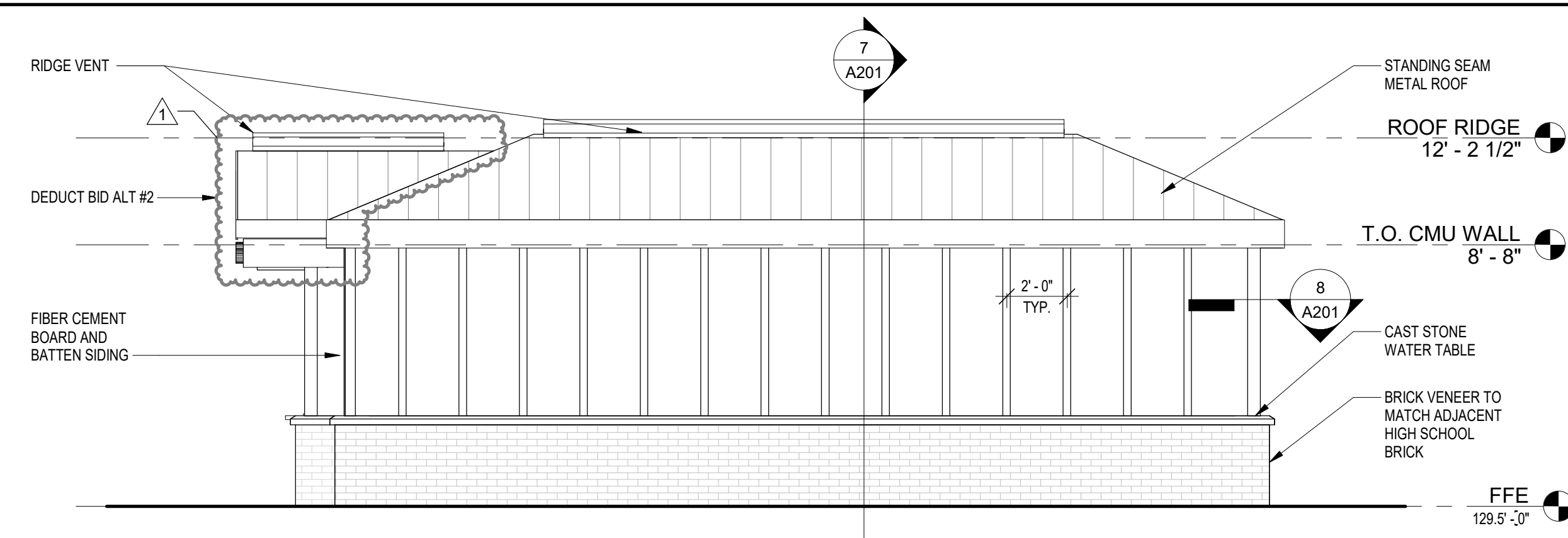
Sheet Number:

A102

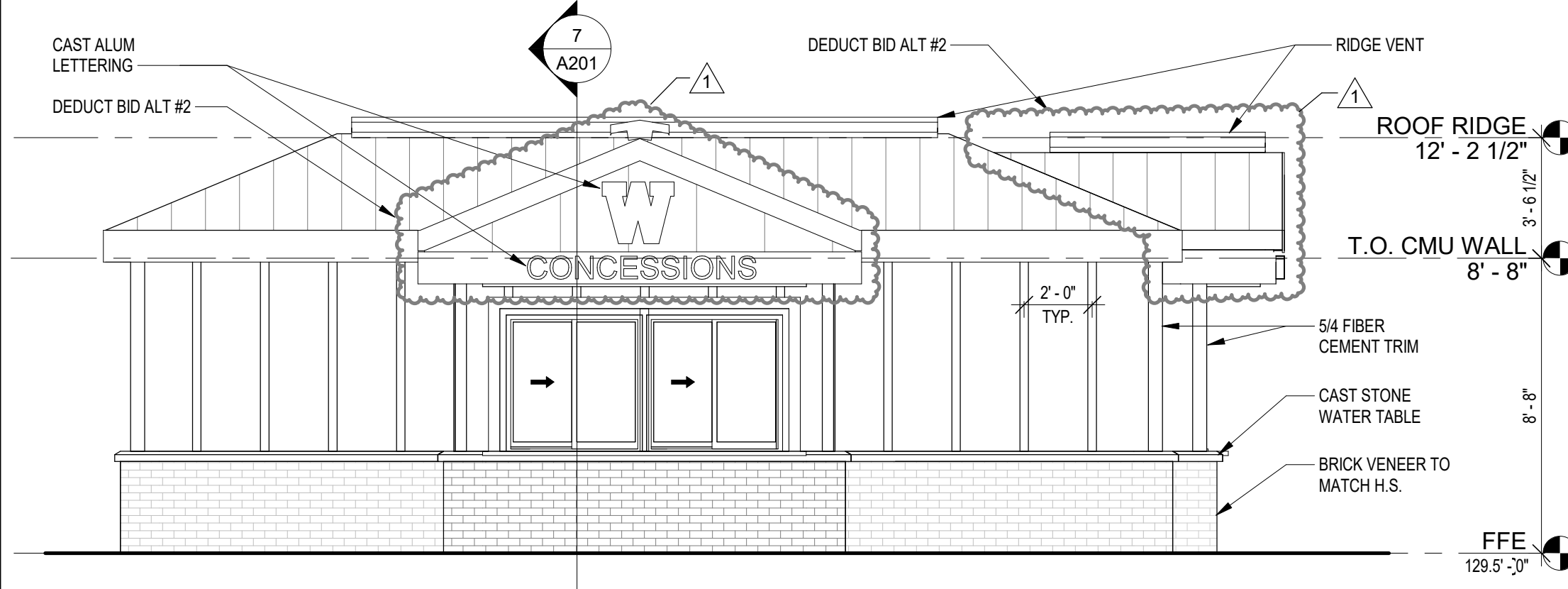




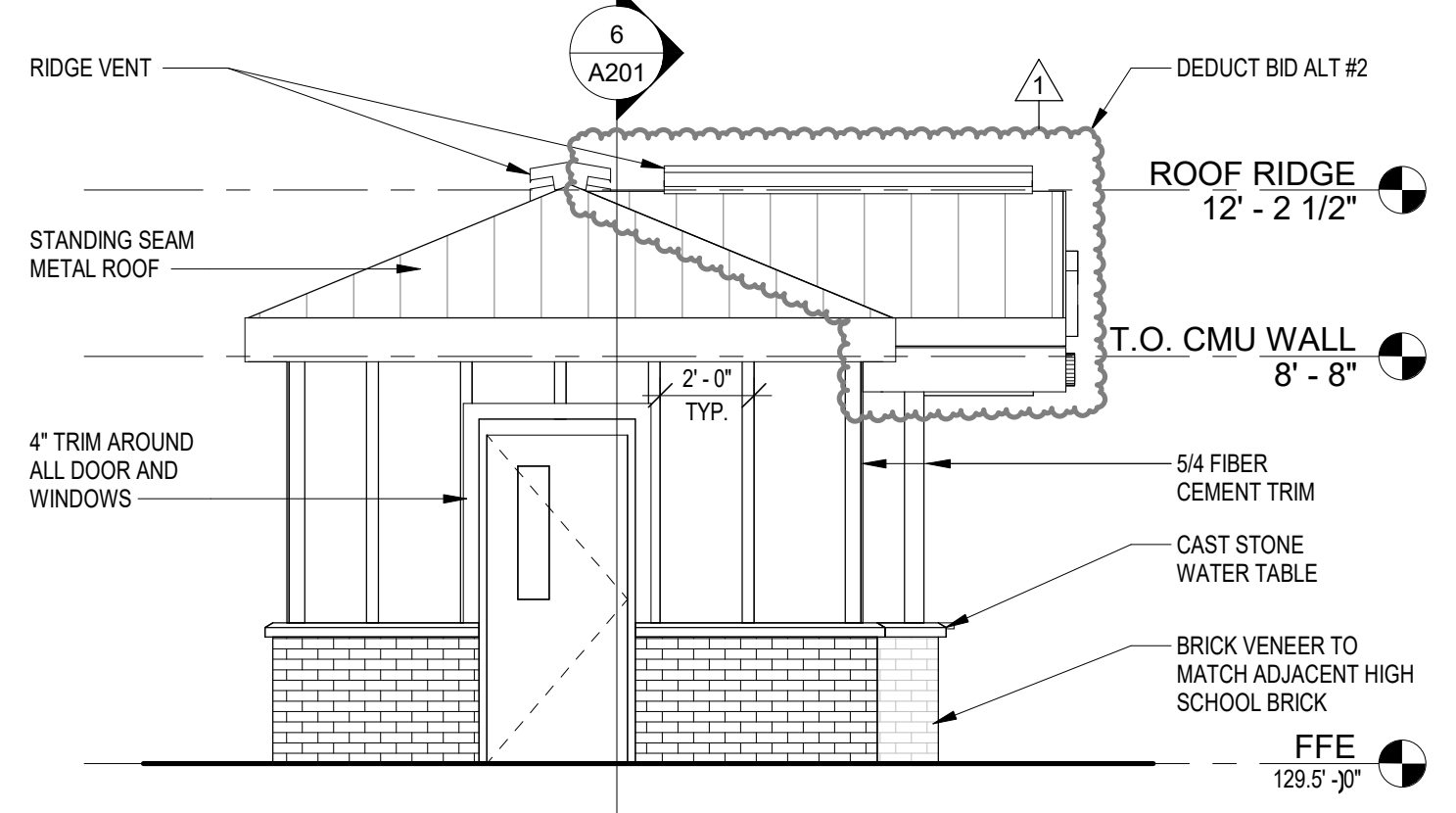
1 SOUTH ELEVATION
1/4" = 1'-0"



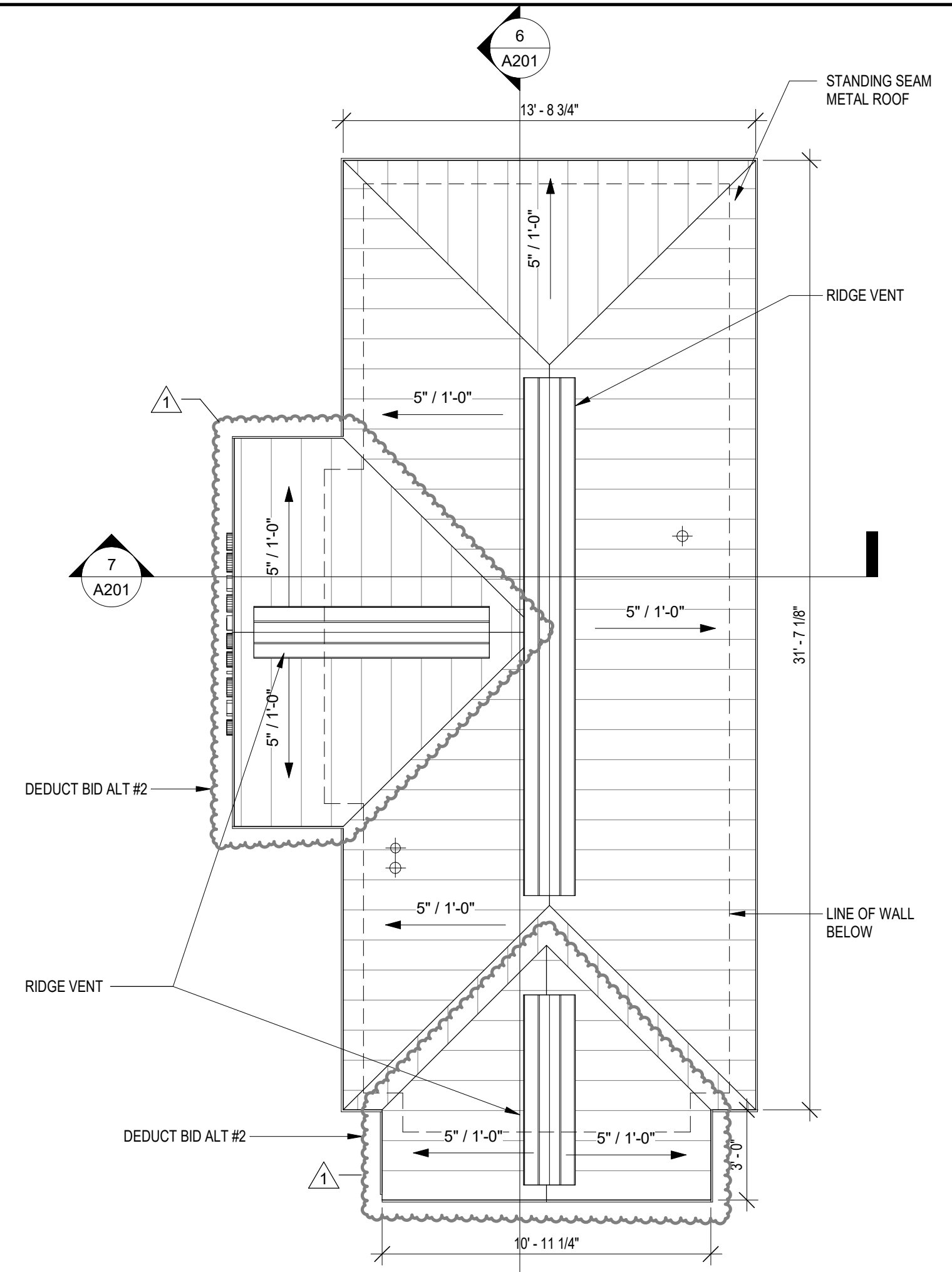
2 EAST EXTERIOR ELEVATION
1/4" = 1'-0"



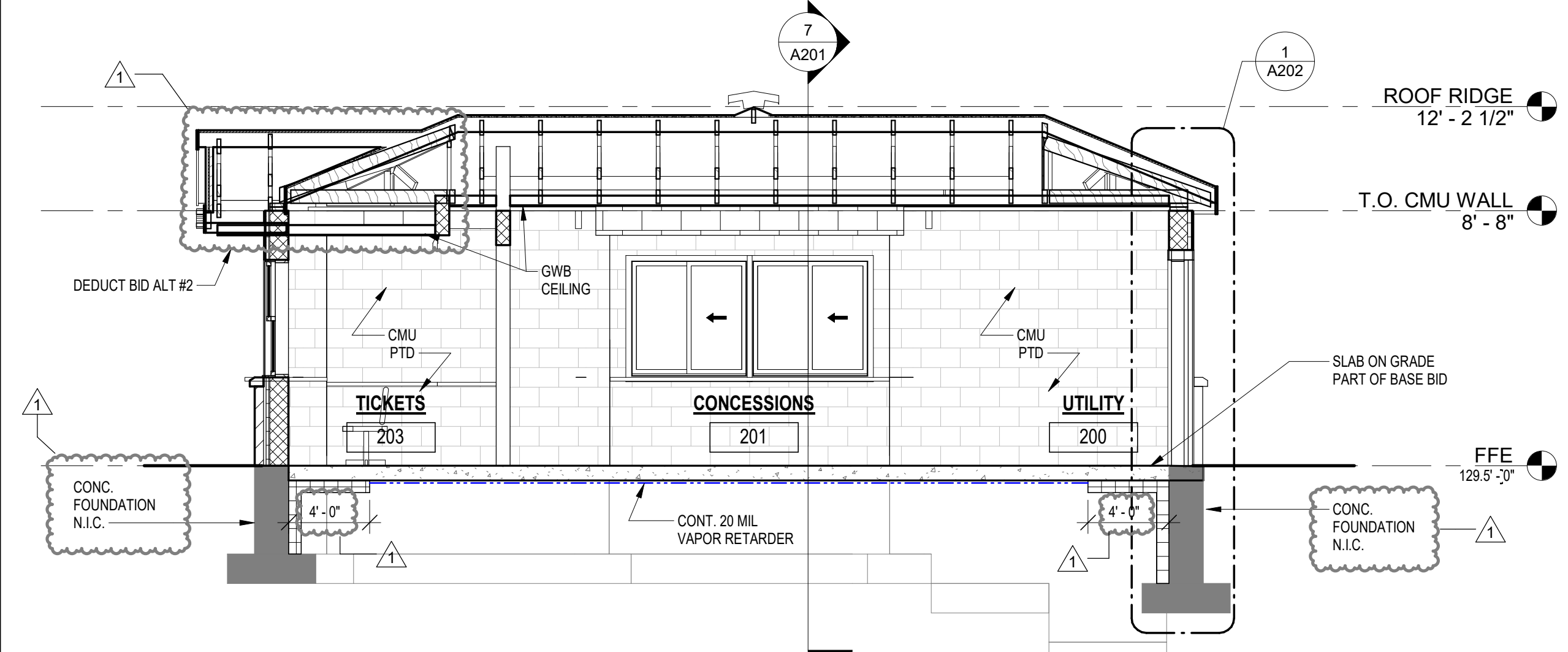
3 WEST EXTERIOR ELEVATION
1/4" = 1'-0"



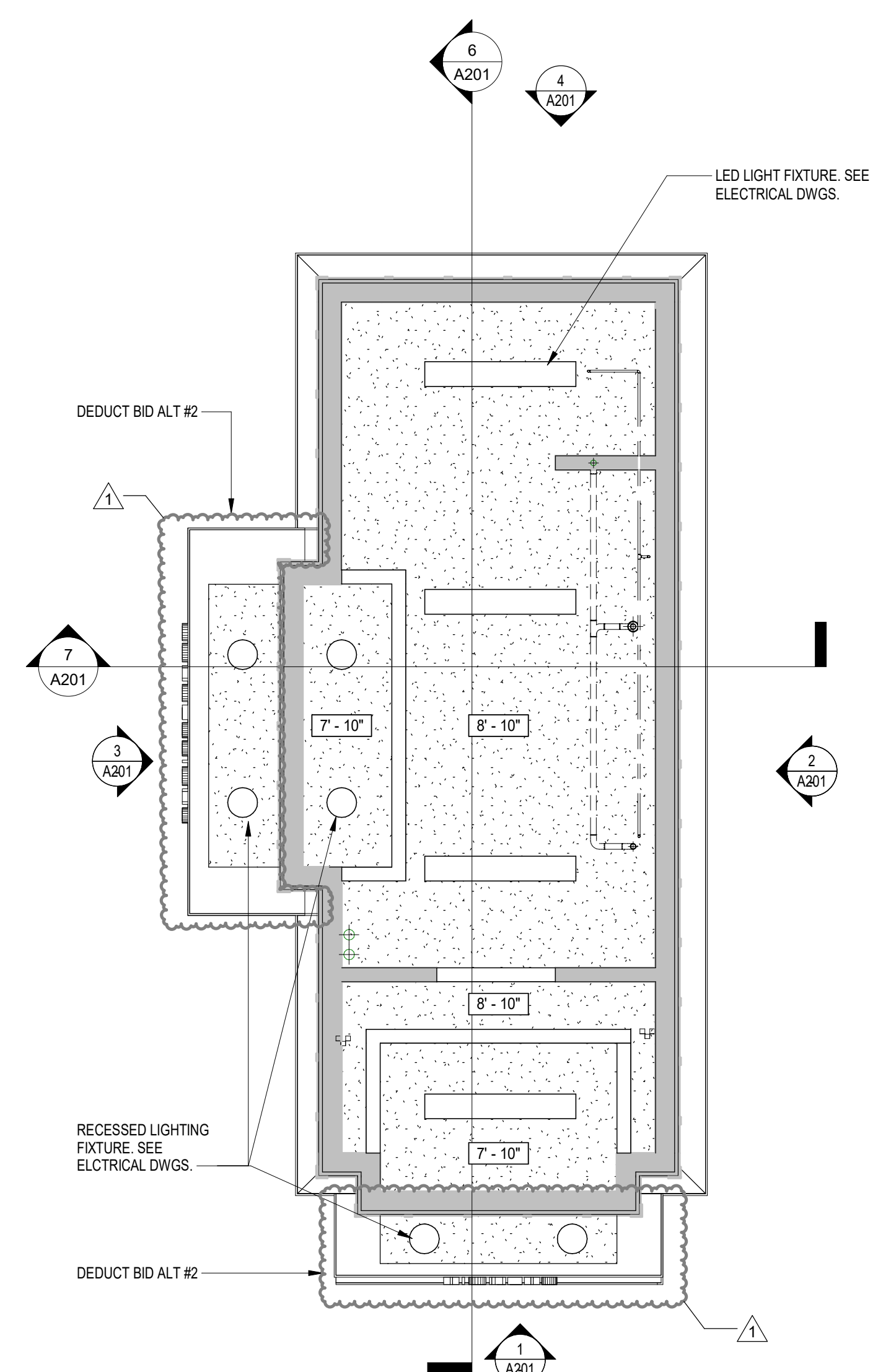
4 NORTH EXTERIOR ELEVATION
1/4" = 1'-0"



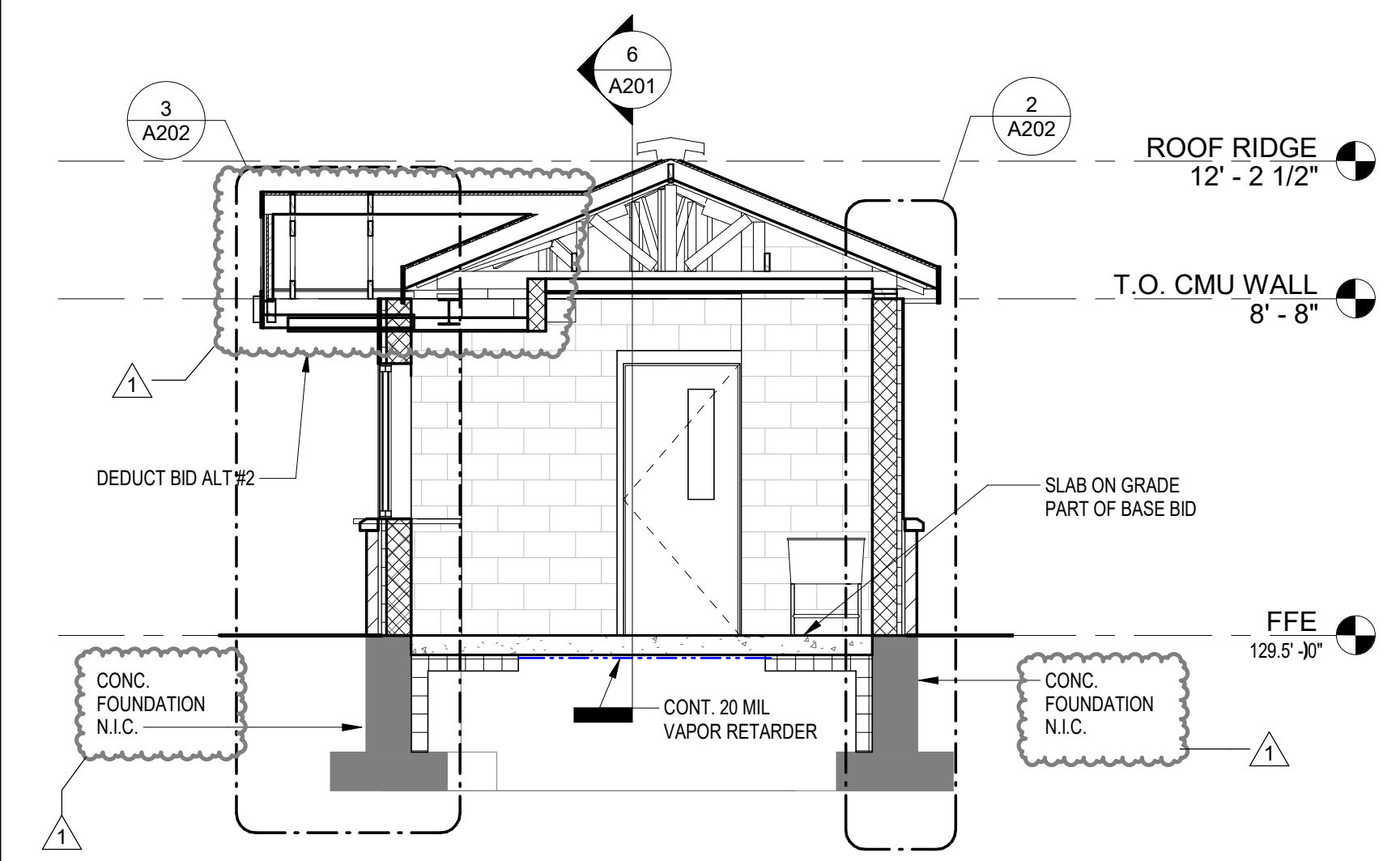
5 OVERALL ROOF PLAN
1/4" = 1'-0"



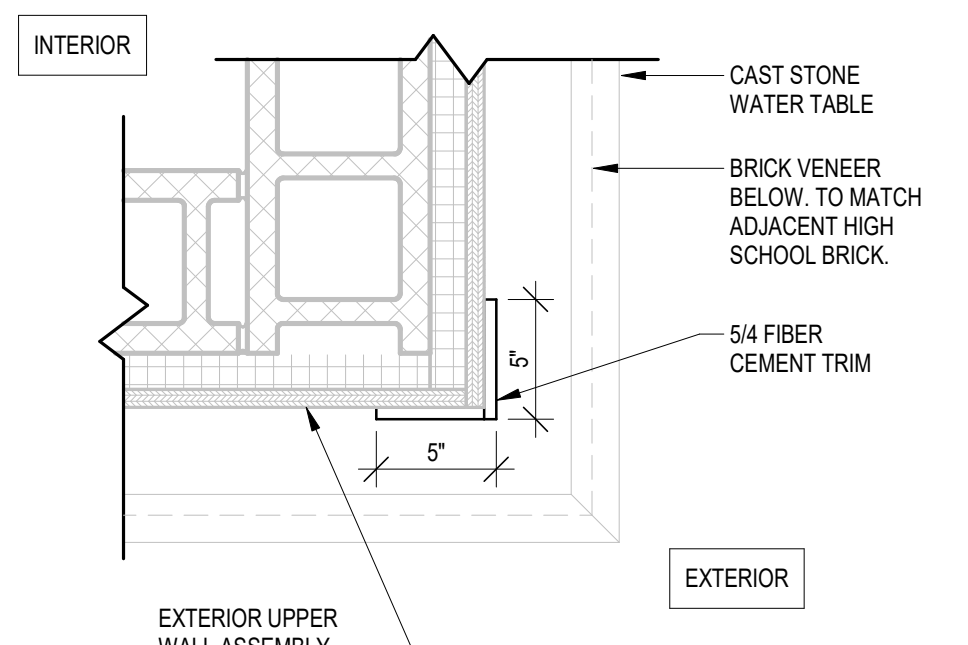
6 SECTION 1
1/4" = 1'-0"



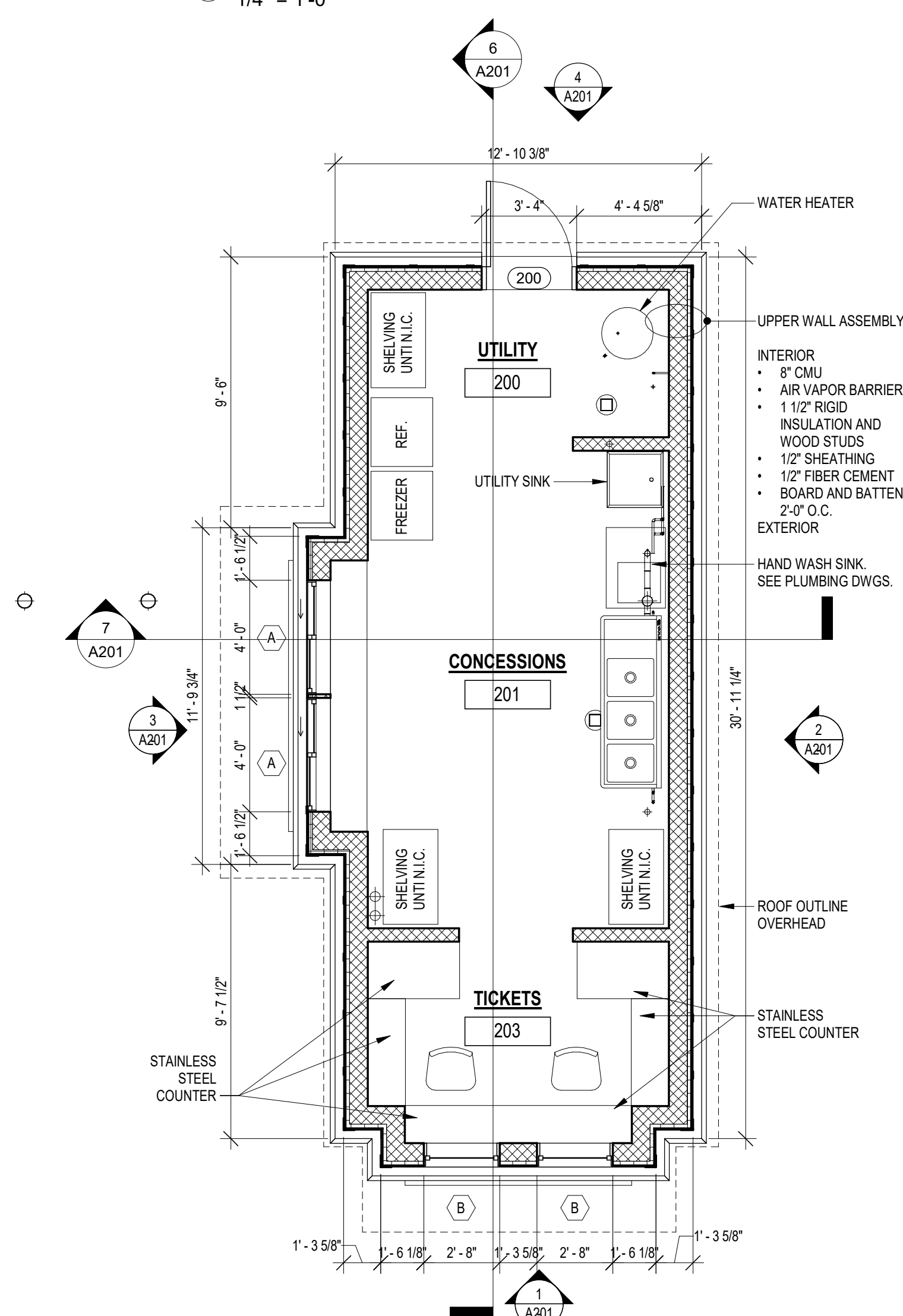
9 REFLECTED CEILING PLAN
1/4" = 1'-0"



7 SECTION 2
1/4" = 1'-0"



8 FIBER CEMENT CORNER DETAIL
1 1/2" = 1'-0"



10 OVERALL FIRST FLOOR PLAN
1/4" = 1'-0"

Project:
**WAYLAND HIGH SCHOOL
ATHLETIC FIELD BUILDING**

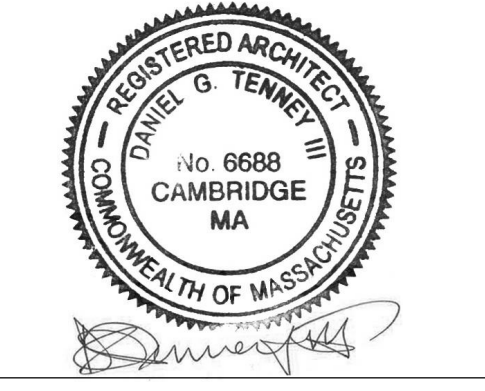
264 Old Connecticut Path,
Wayland MA, 01778

Weston & Sampson
Weston & Sampson Engineers, Inc.
85 Devonshire Street
3rd Floor, Boston, MA 02109
617.412.4480 (B00) SAMPSON
www.westonandsampson.com

Consultants:

Revisions:

No.	Date	Description
1	8.12.2019	Addendum #1



Issued For:
BIDDING
IFB # 20 - 2012

SCALE: AS NOTED
Date: JULY 30, 2019
Drawn By: ACR
Reviewed By: JRC
Approved By: DGT
W&S Project No: 2180076
W&S File No:

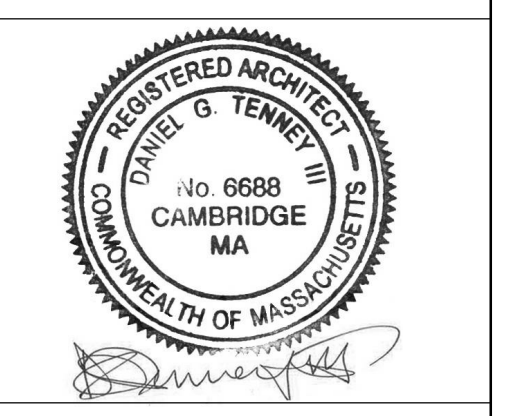
Drawing Title:
**OVERALL FLOOR
PLANS,
ELEVATIONS AND
SECTIONS -
CONCESSION
BUILDING**

Sheet Number:
A201

Consultants:

Revisions:

No.	Date	Description
1	8.12.2019	Addendum #1



Issued For:
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IFB # 20 - 2012

SCALE: AS NOTED

Date: JULY 30, 2019
 Drawn By: ACR
 Reviewed By: JRC
 Approved By: DGT

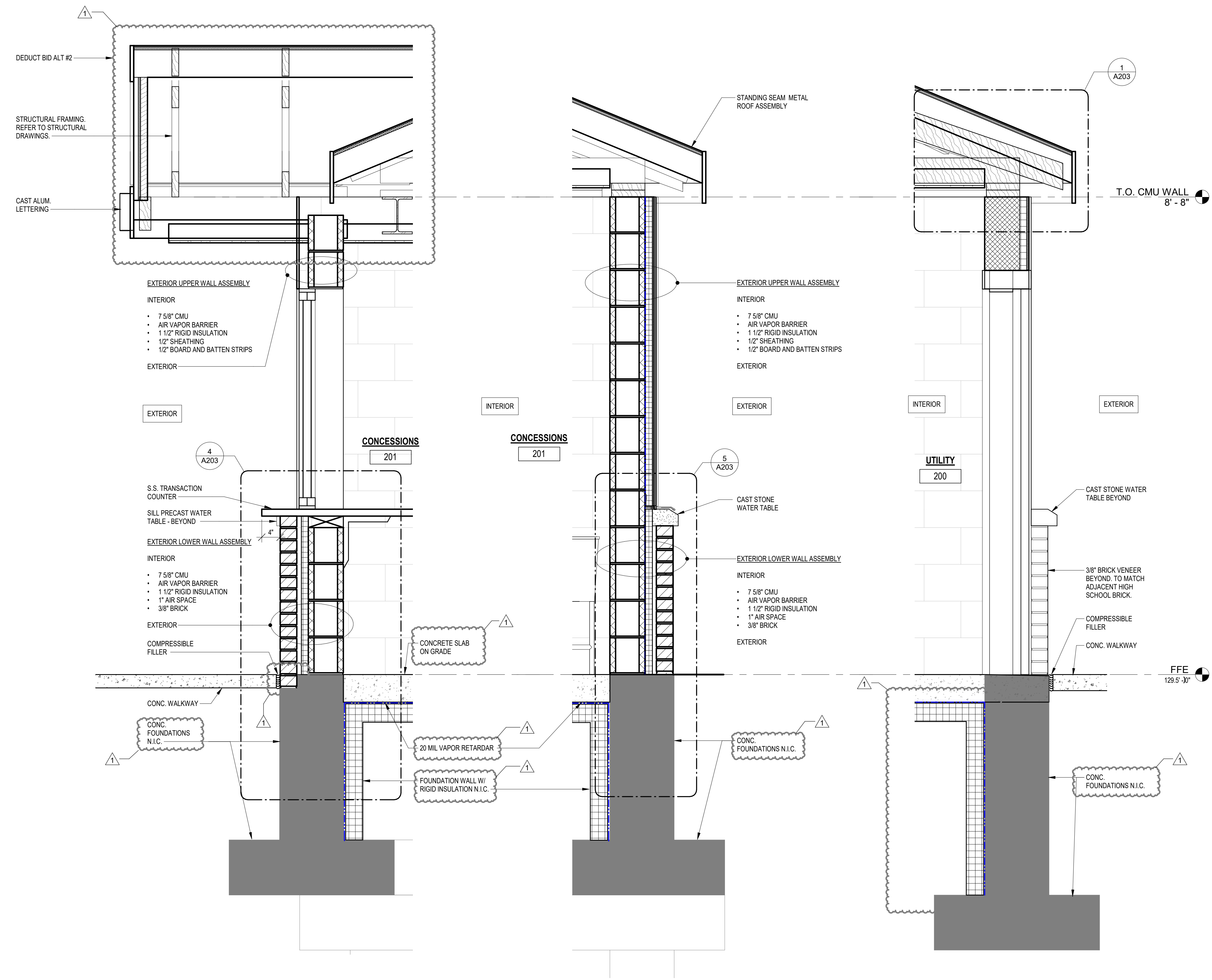
W&S Project No: 2180076
 W&S File No:

Drawing Title:
**WALL SECTIONS
 AND DETAILS**

Sheet Number:
A202

TYPICAL NOTES:

- CONC. FOUNDATIONS ARE "BID ALTERNATES #1". SLAB ON GRADE IS PART OF BASE BID.
- AVB SHALL BE SEALED TO ALL ROOF FABRIC AND ANY STRUCTURE OR SYSTEMS WHICH PASSES THRU THE PLAIN OF THE AVB TO FORM A CONTINUOUS AIR VAPOR BARRIER BETWEEN SPACES. TYP.



3 Section 2 - Callout 2
 1" = 1'-0"

2 Section 2 - Callout 1
 1" = 1'-0"

1 EXTERIOR WALL DETAIL
 1" = 1'-0"



Consultants:

Revisions:

No.	Date	Description
1	8.12.2019	Addendum #1



Issued For:

BIDDING
IFB # 20 - 2012

SCALE: AS NOTED

Date: JULY 30, 2019
Drawn By: ACR
Reviewed By: JRC
Approved By: DGT

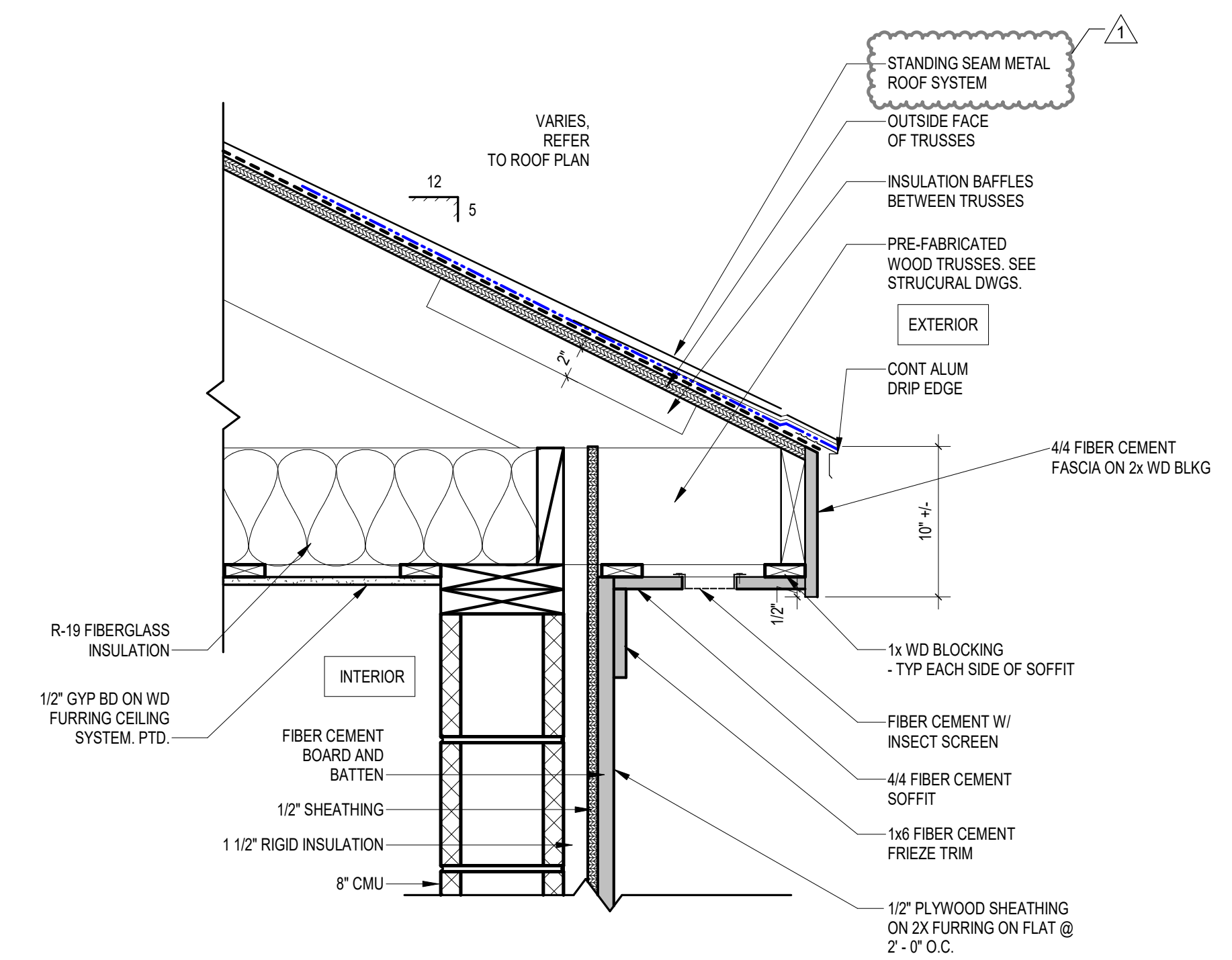
W&S Project No: 2180076
W&S File No:

Drawing Title:

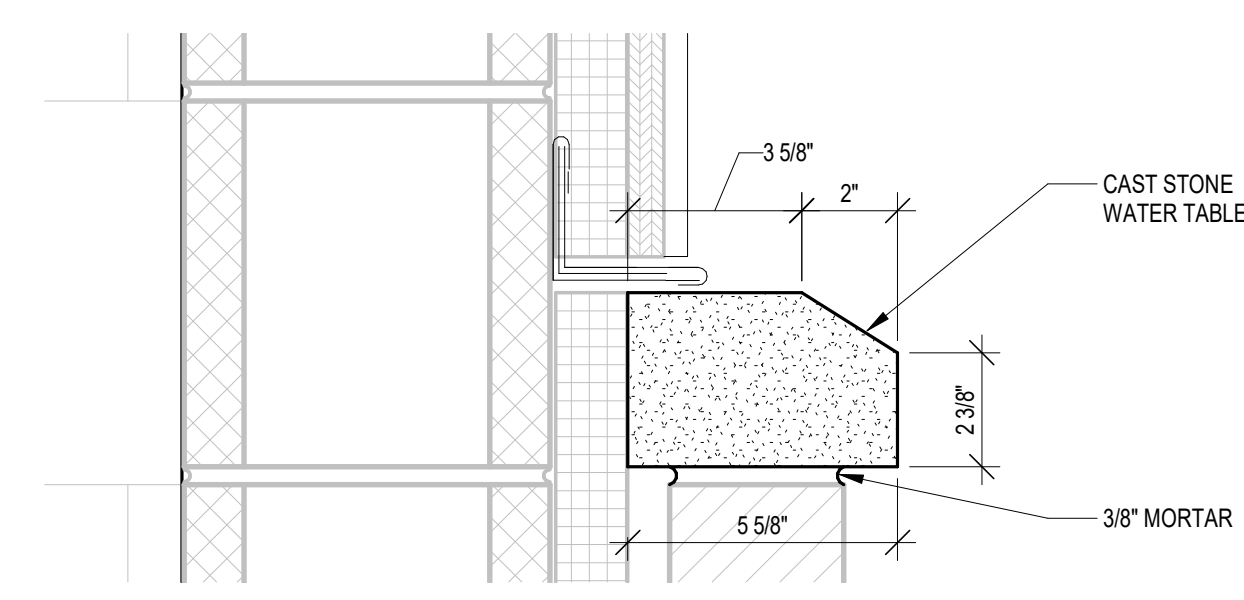
ROOF AND PLAN
DETAILS

Sheet Number:

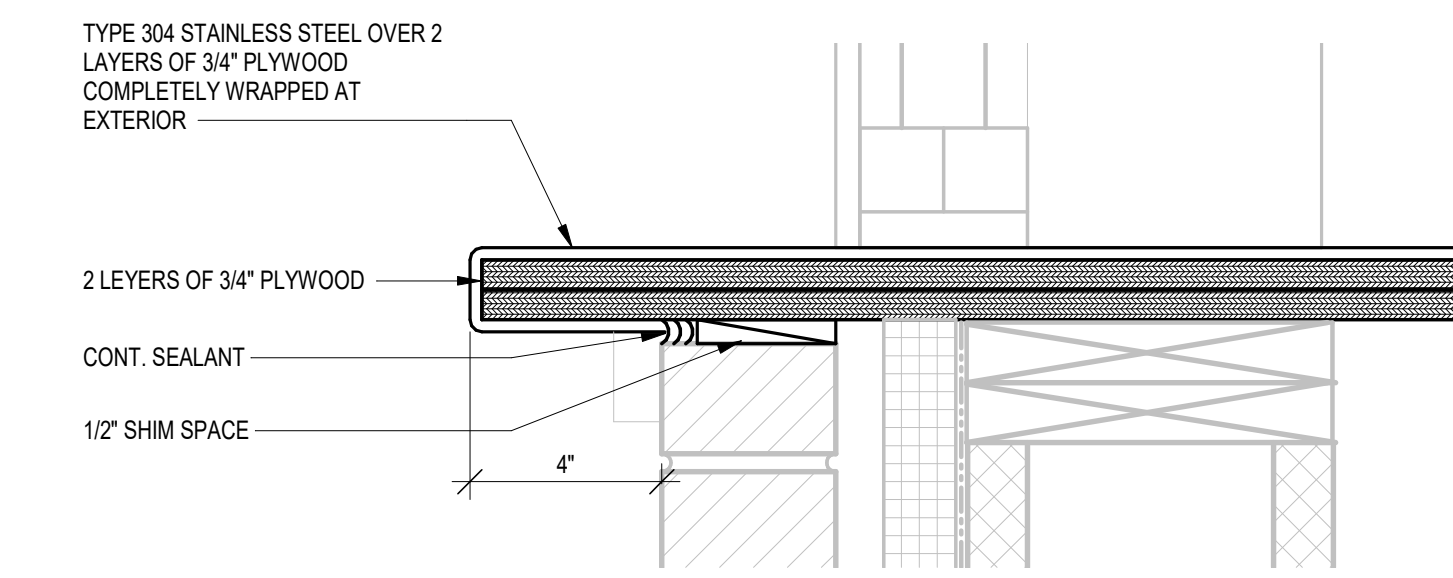
A203



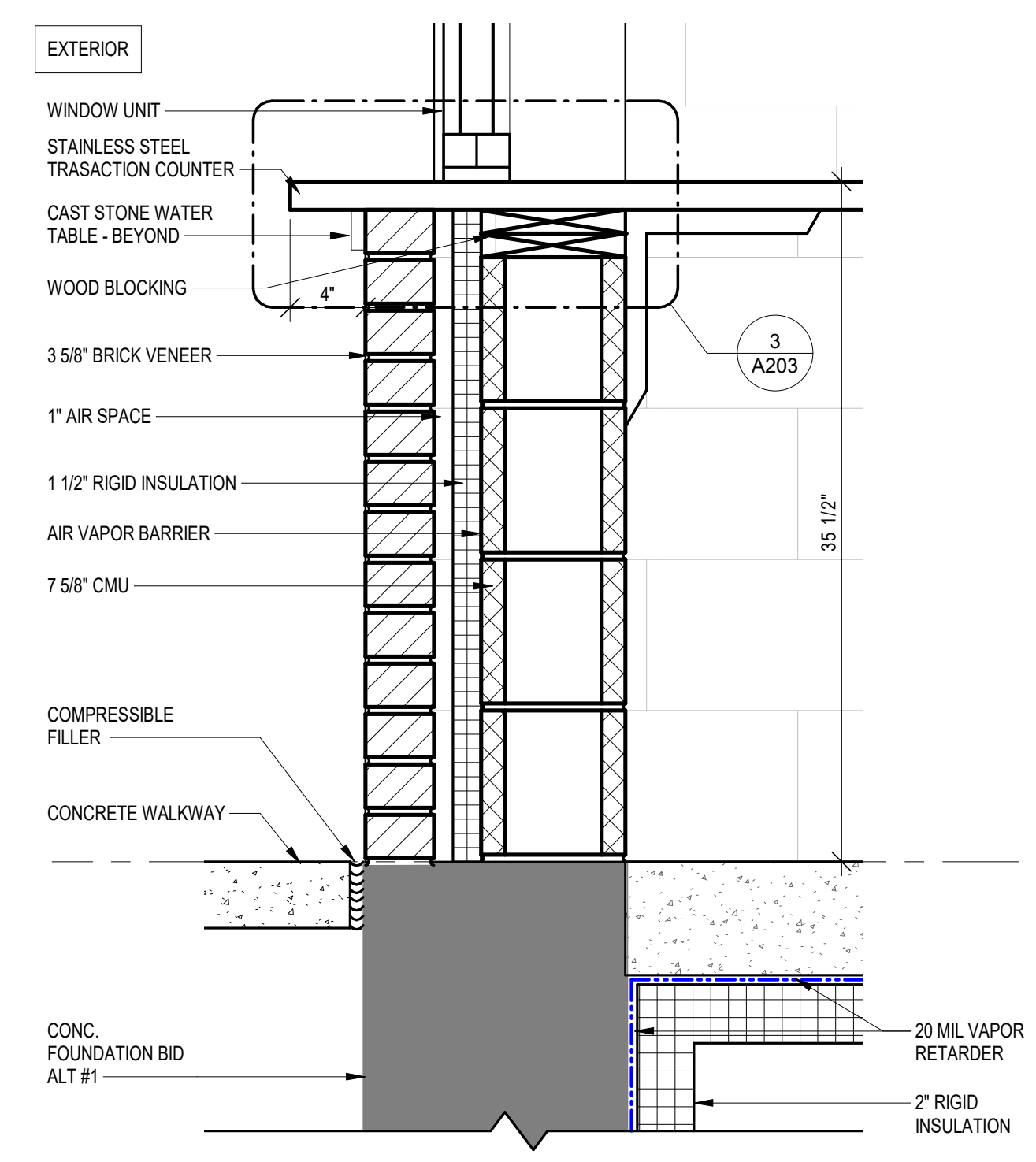
1 SOFFIT DETAIL
1 1/2" = 1'-0"



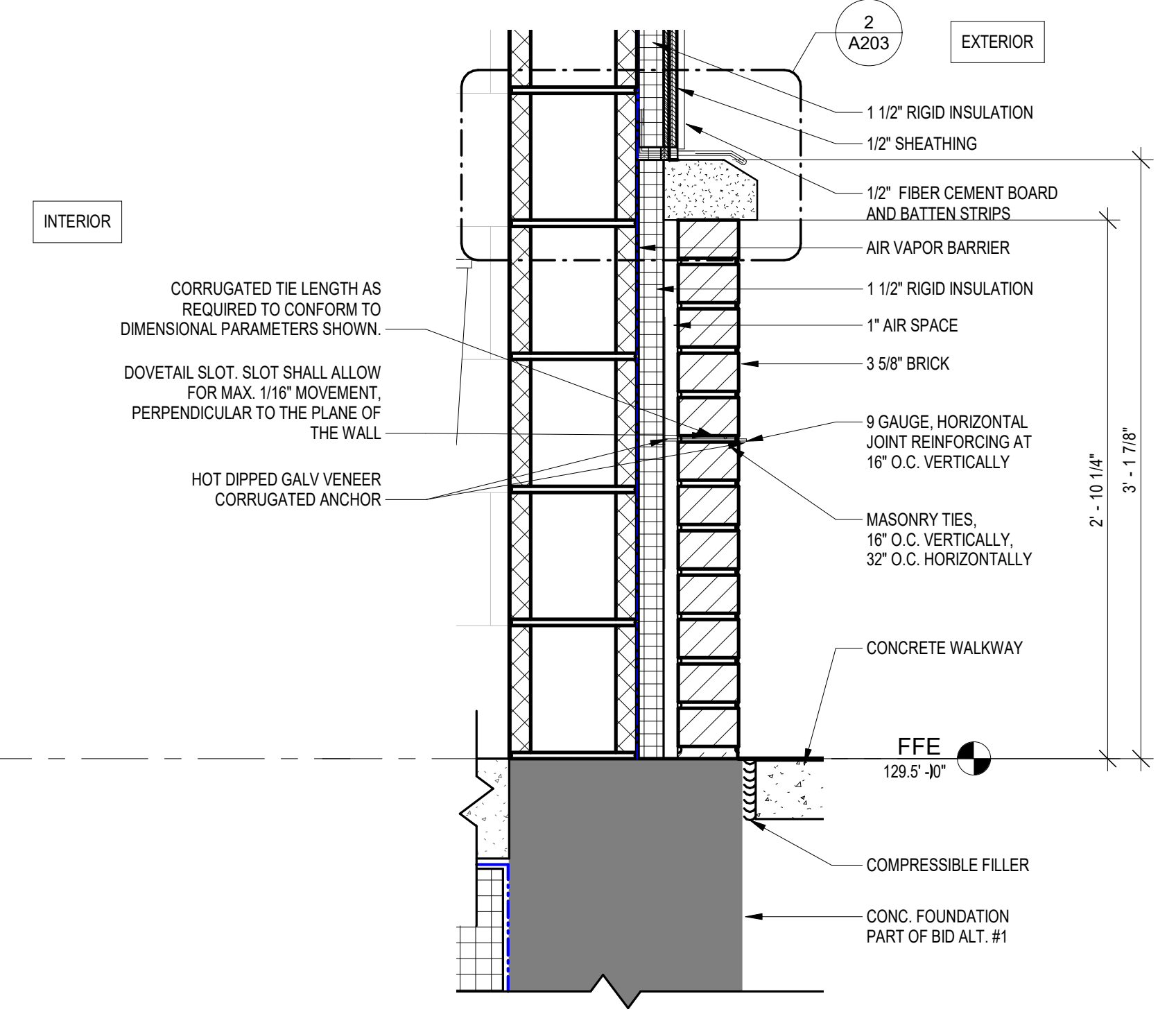
2 CAST STONE WATER TABLE
3" = 1'-0"



3 STAINLESS STEEL COUNTER EDGE
3" = 1'-0"



4 STAINLESS STEEL COUNTER SECTION DETAIL
1 1/2" = 1'-0"



5 WALL SECTION - LOWER WALL
1 1/2" = 1'-0"

Consultants:

Revisions:

No.	Date	Description
1	8/12/19	ADDENDUM #1

Issued For:

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SCALE: AS NOTED

Date: JULY 30, 2019

Drawn By: SAC

Reviewed By: KMC

Approved By: NMS

W&S Project No: 2180076

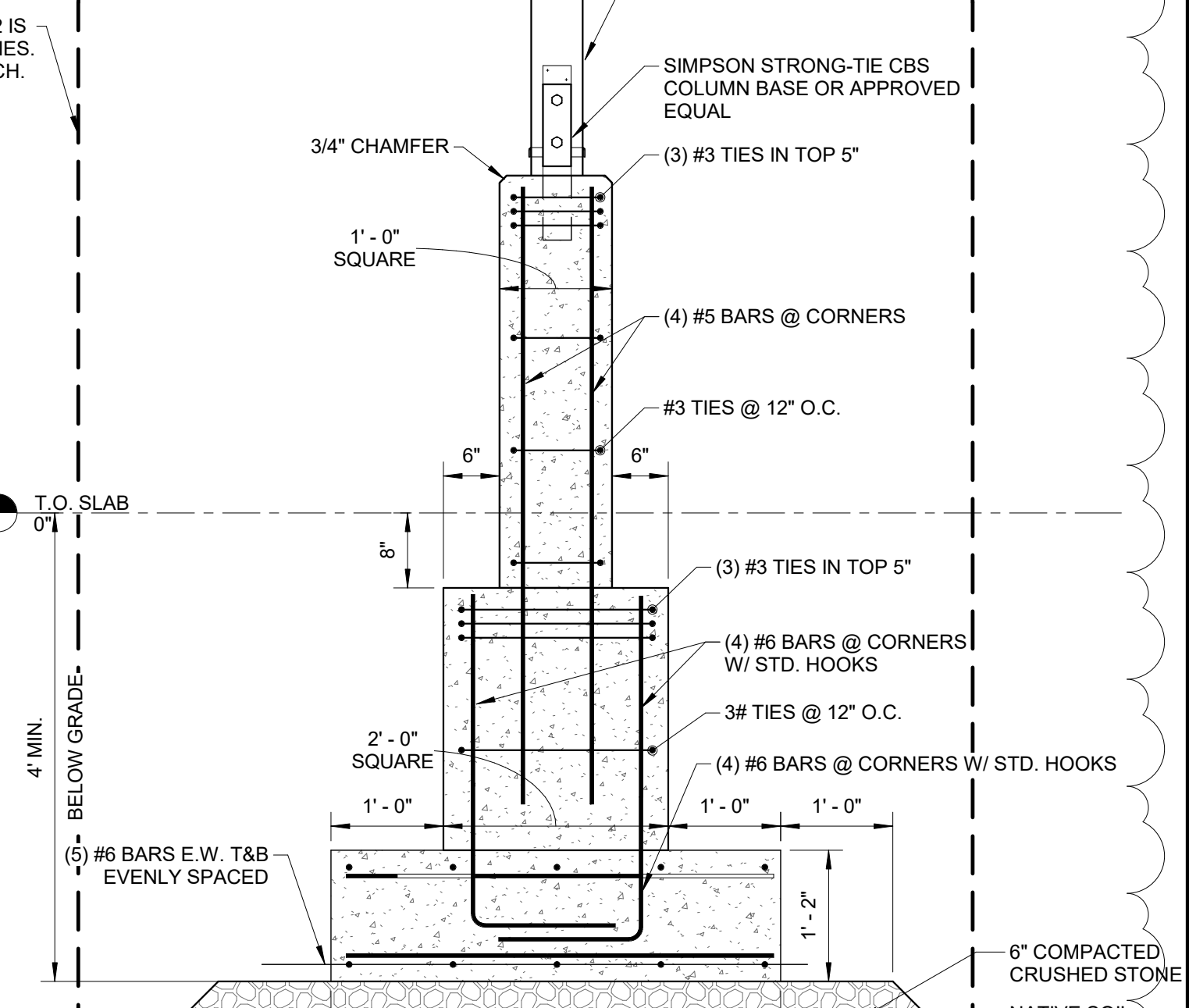
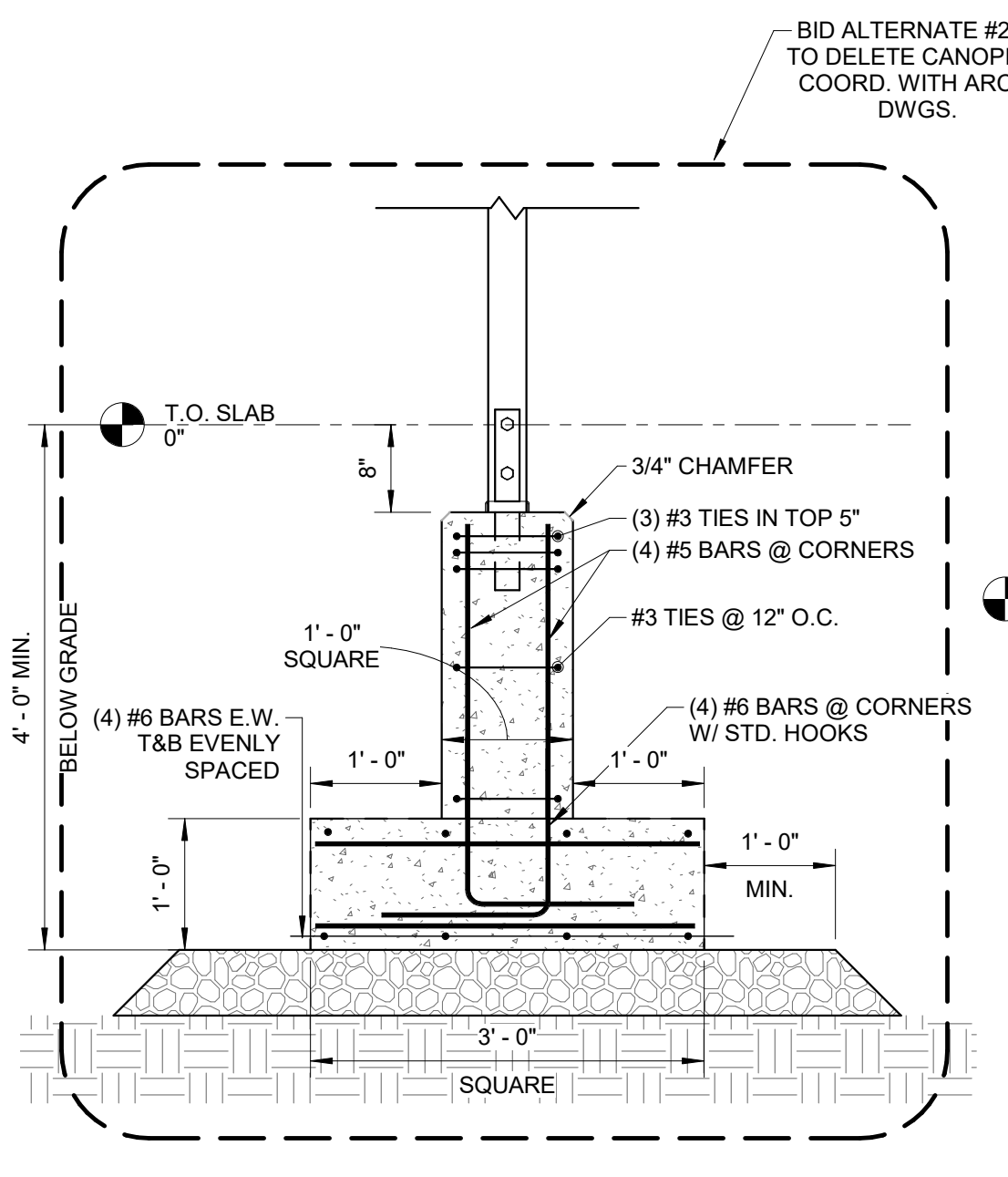
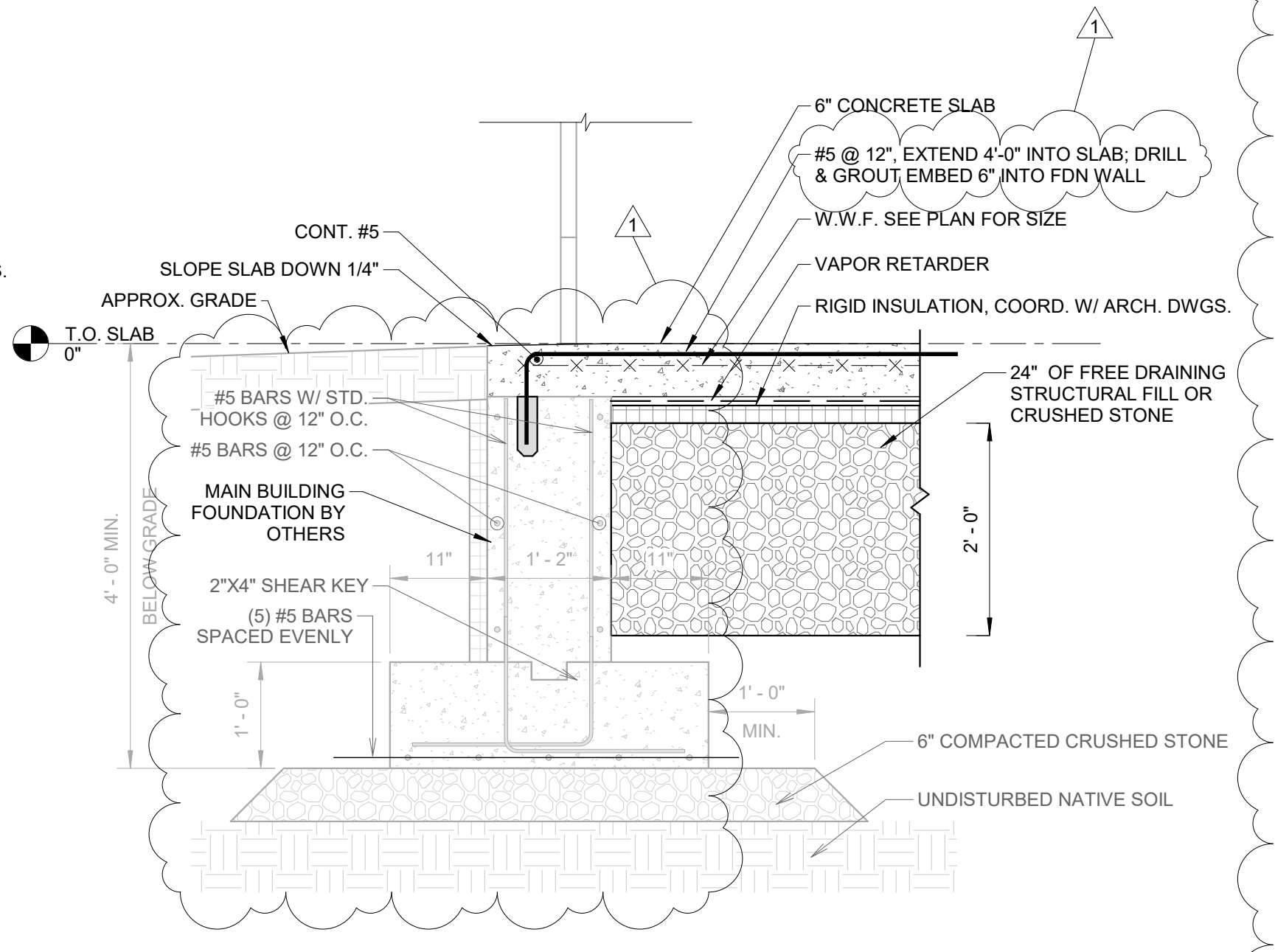
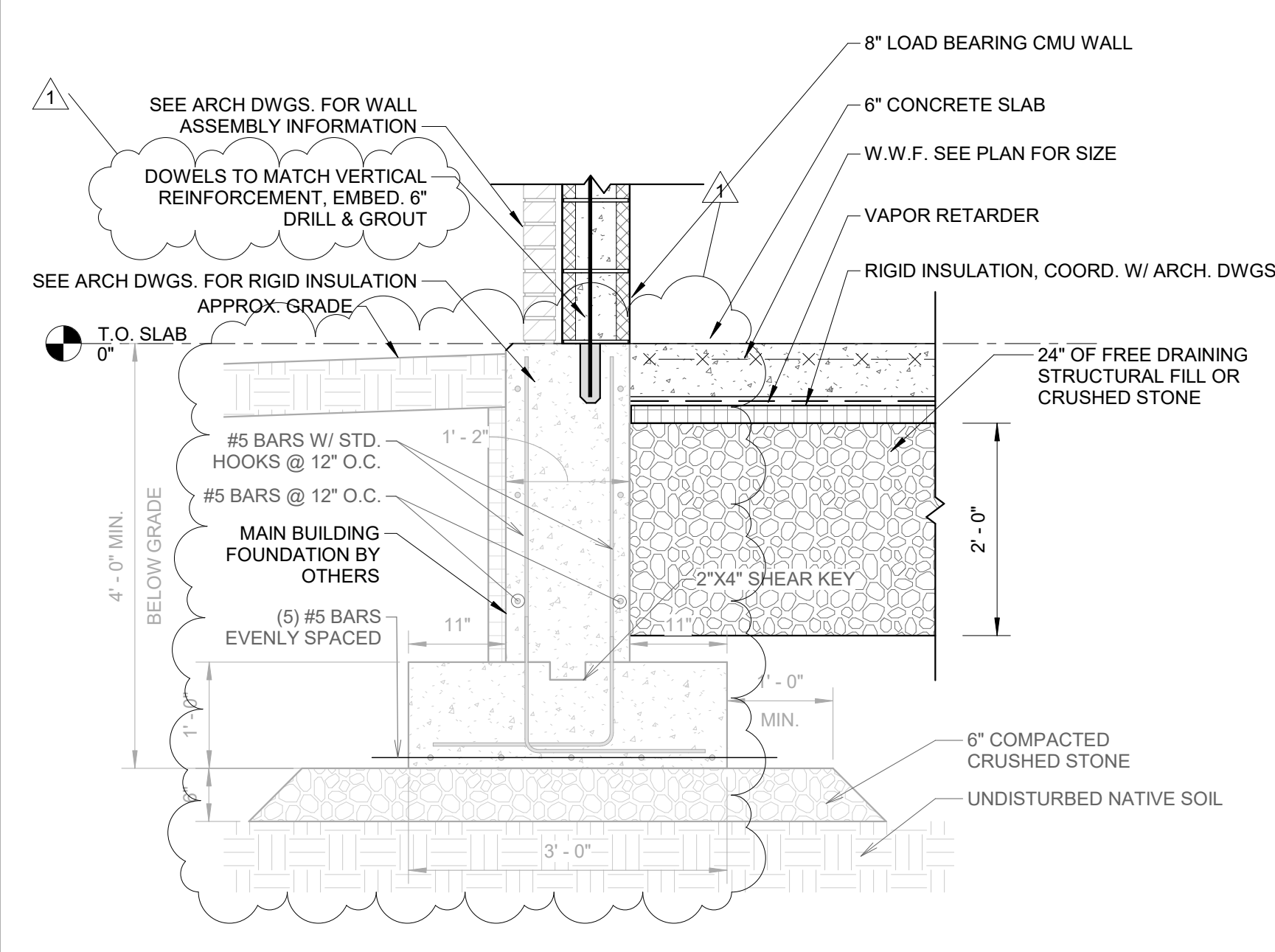
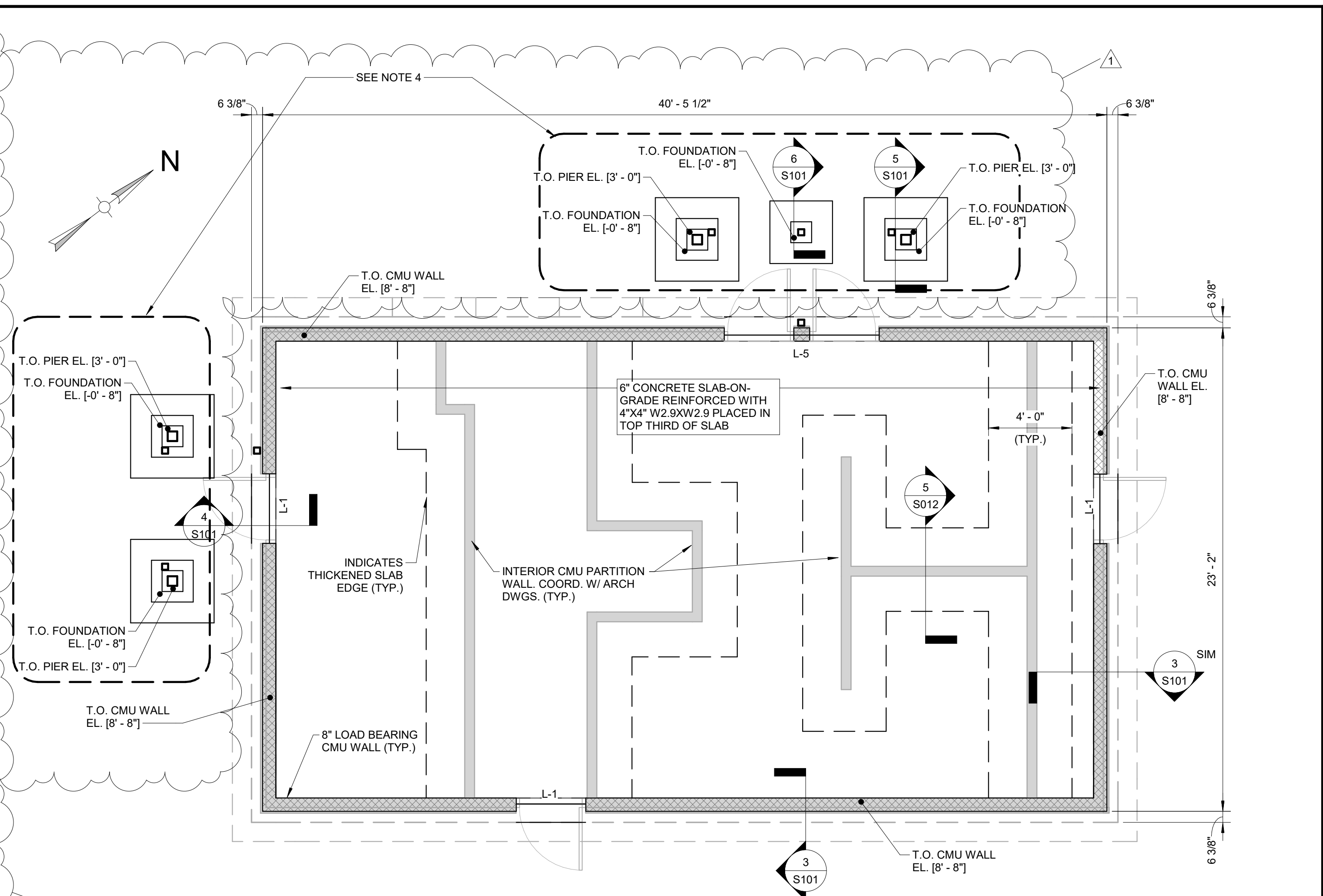
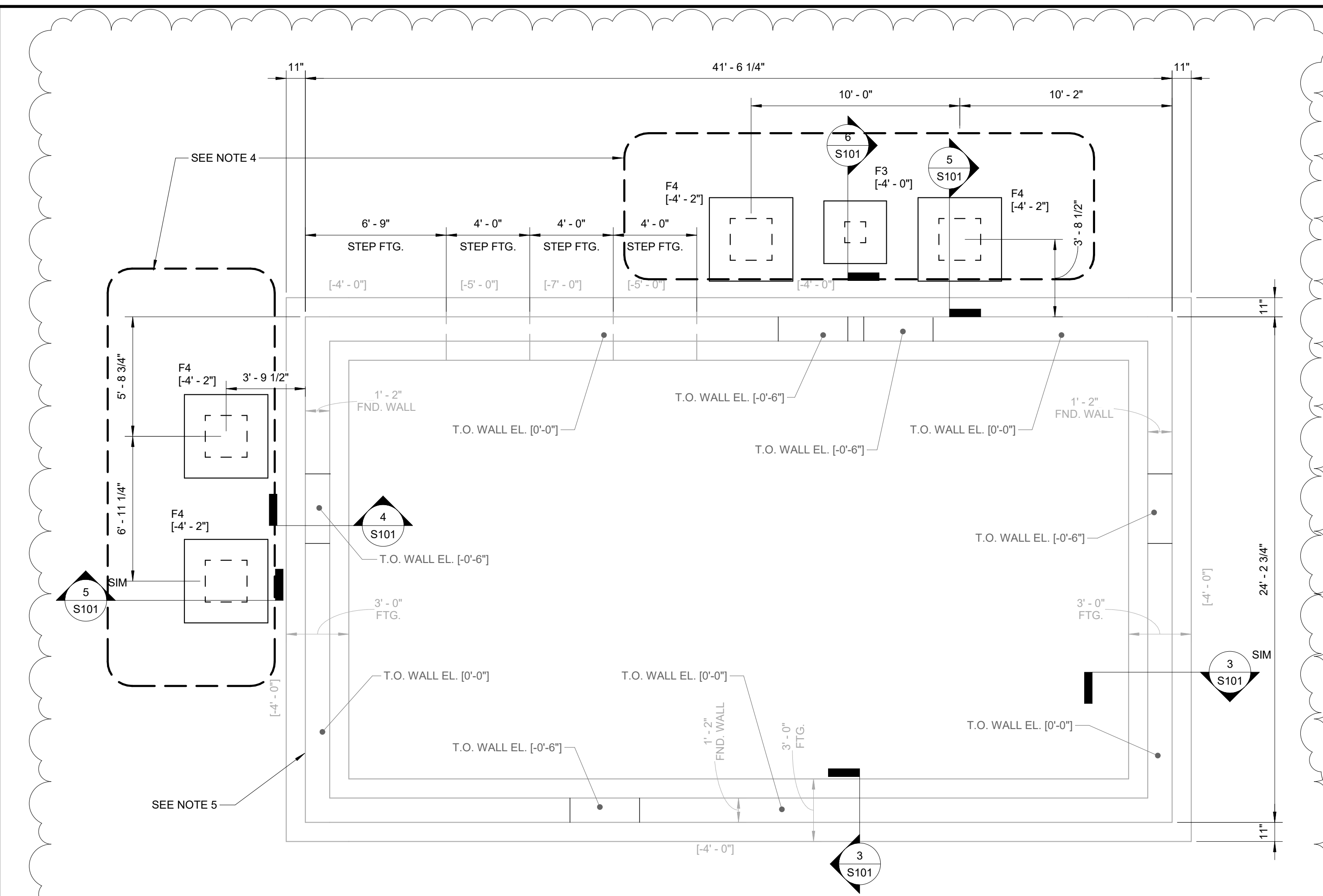
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Drawing Title:

RESTROOM
FOUNDATION AND
SLAB PLAN WITH
DETAILS

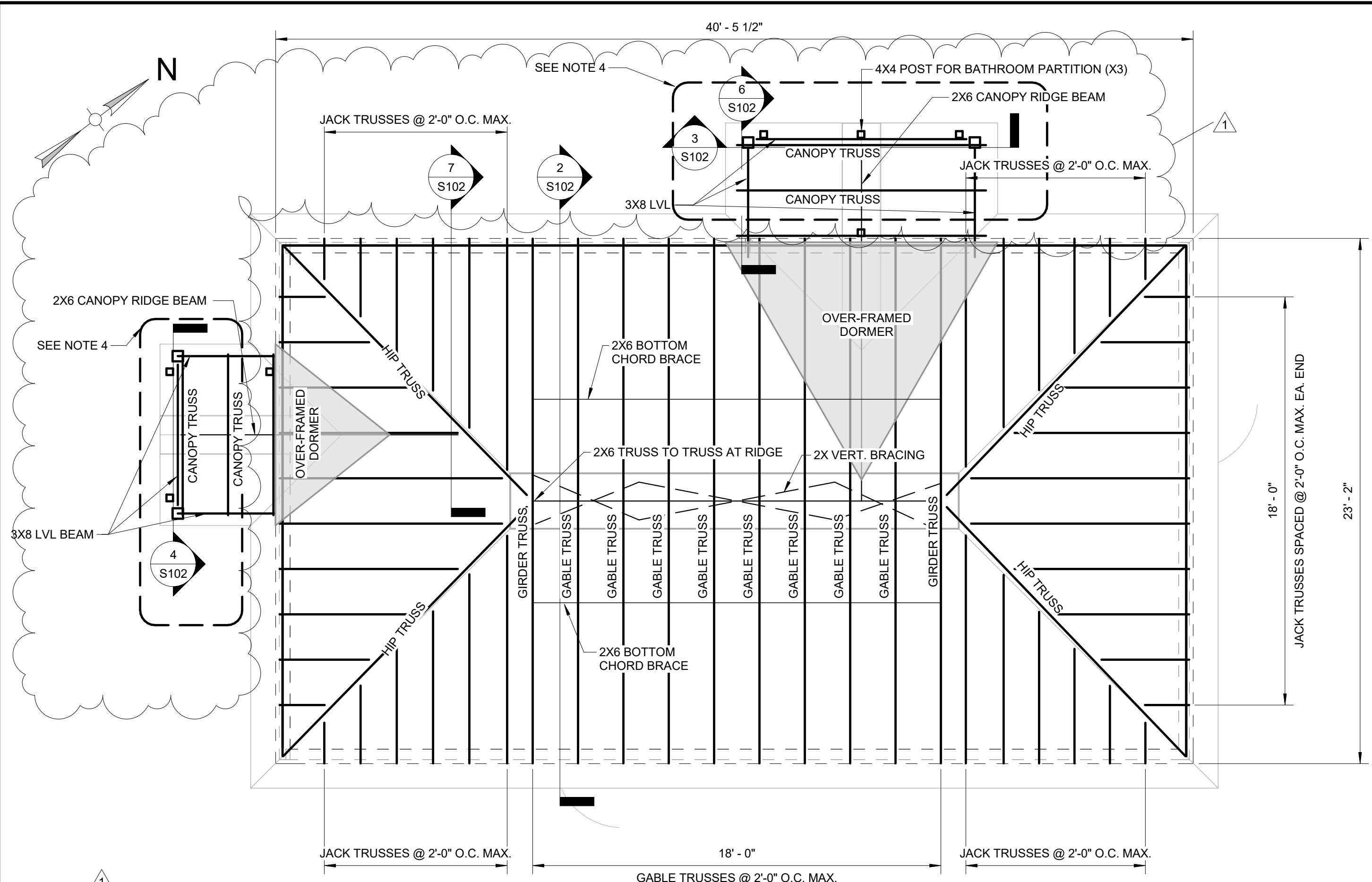
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S101



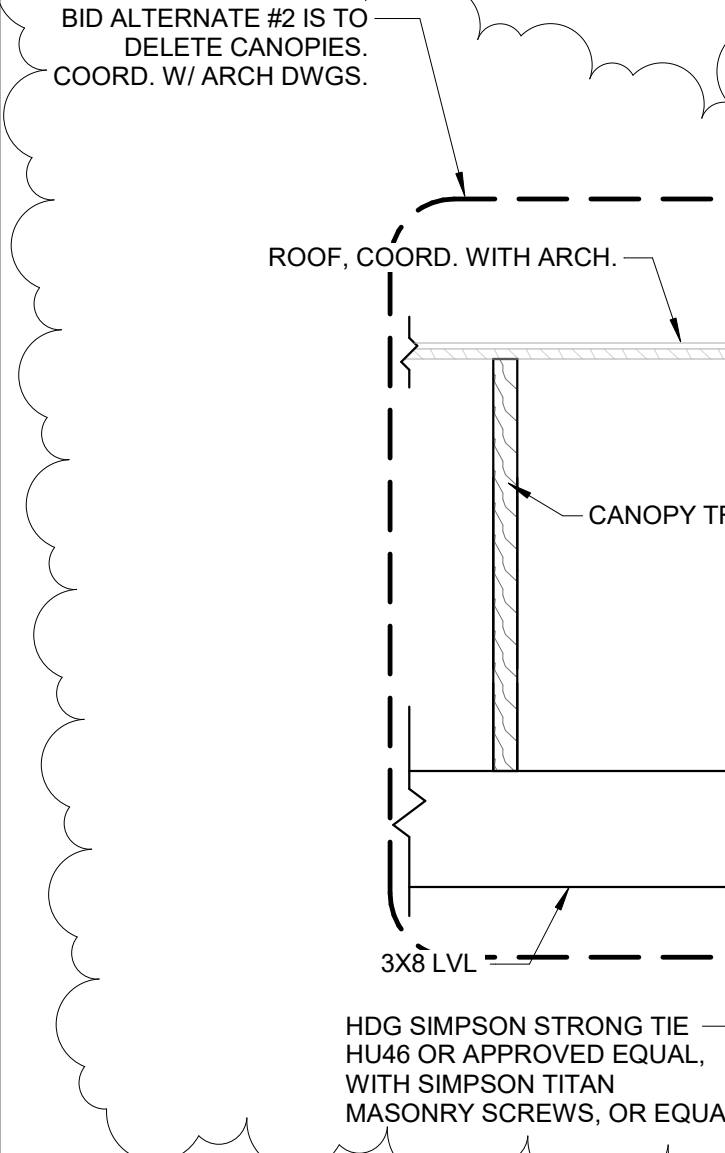
- NOTES:
- COORDINATE ALL WORK (INCLUDING FLOOR ELEVATIONS, DIMENSIONS, FINISH DETAILS, PENETRATIONS, ETC.) WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS.
 - [XX-XX] INDICATES BOTTOM OF FOOTING ELEVATION. ALL EXTERIOR FOOTINGS SHALL BE LOCATED A MINIMUM OF 4'-0" BELOW FINISH GRADE.
 - A RELATIVE ELEVATION OF 0'-0" CORRELATES TO A PROJECT ELEVATION OF 126.5'.
 - BID ALTERNATE #2 IS TO DELETE CANOPIES. COORDINATE WITH ARCHITECTURAL DRAWINGS.
 - MAIN BUILDING FOUNDATION BY OTHERS.

- NOTES:
- L-# INDICATES CONCRETE MASONRY UNIT (CMU) LINTEL TYPE. REFER TO CMU LINTEL SCHEDULE ON S012 FOR LINTEL INFORMATION.
 - LOCATION OF CONSTRUCTION JOINTS AND SAW JOINTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. REFER TO GENERAL NOTES FOR SPACING REQUIREMENTS. SUBMIT JOINT LOCATIONS TO THE ENGINEER FOR APPROVAL.
 - A RELATIVE ELEVATION OF 0'-0" CORRELATES TO A PROJECT ELEVATION OF 126.5'.
 - BID ALTERNATE #2 IS TO DELETE CANOPIES. COORDINATE WITH ARCHITECTURAL DRAWINGS.

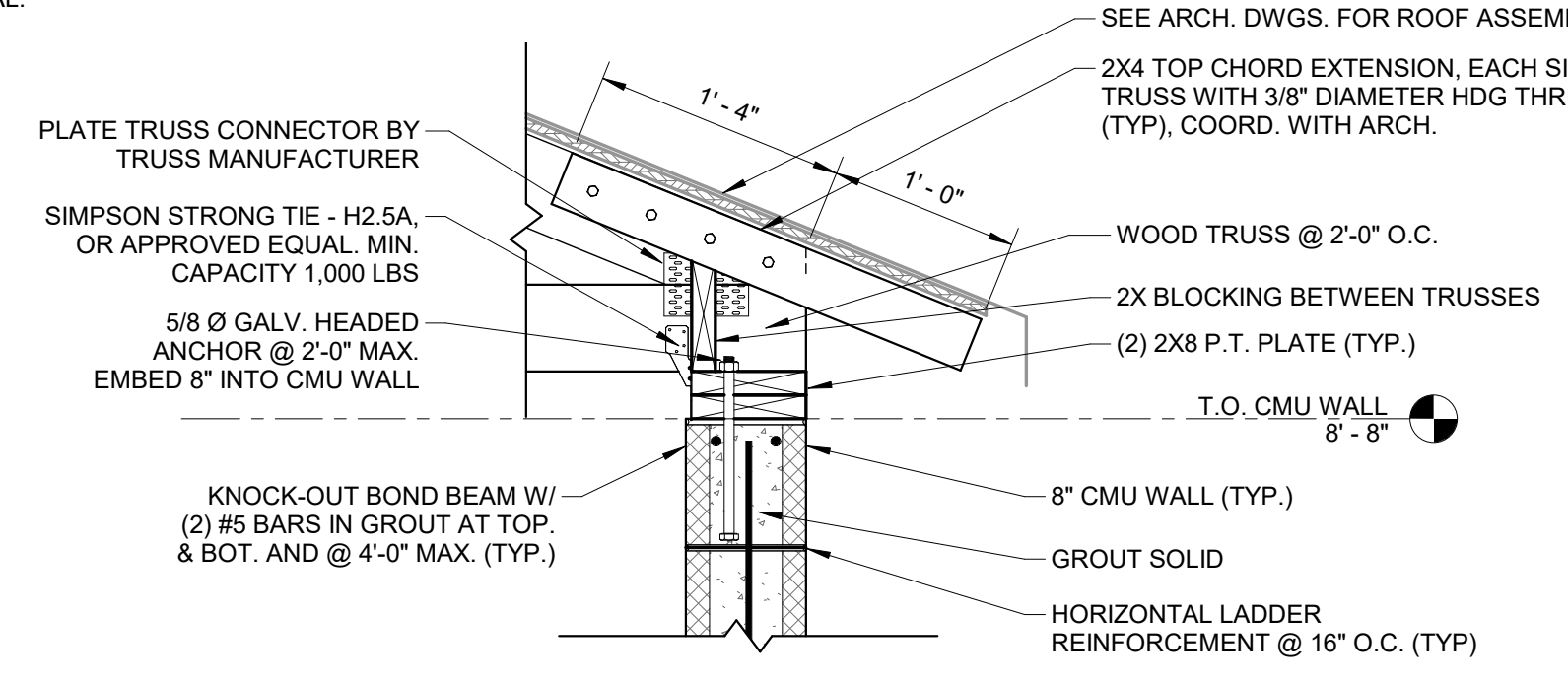


- NOTES:**
1. ROOF SHEATHING SHALL BE 5/8" THICK EXTERIOR GRADE STRUCTURAL 1 PLYWOOD, U.N.O. FASTEN PLYWOOD TO FRAMING USING 10D NAILS @ 6" O.C. EDGES AND 6" O.C. FIELD. PROVIDE BLOCKING AT PANEL EDGES.
 2. 6"x6" TIMBER POSTS SHALL HAVE SIMPSON STRONG-TIE CCG COLUMN CAP (HDG) OR APPROVED EQUAL.
 3. LVL BEAMS ARE 3-1/2"x7-1/4" UNLESS NOTED OTHERWISE.
 4. BID ALTERNATE #2 IS TO DELETE CANOPIES. COORDINATE WITH ARCHITECTURAL DRAWINGS.

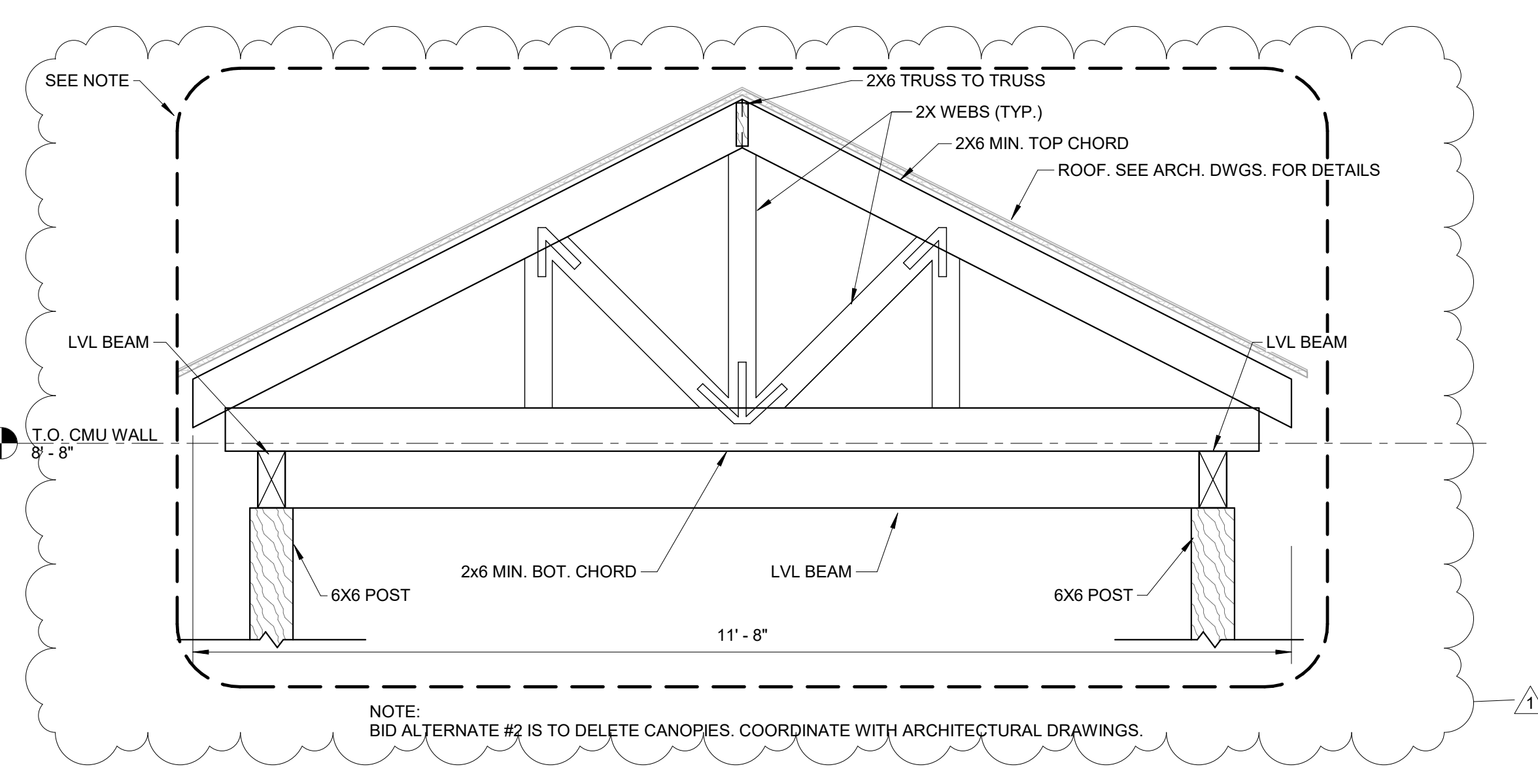
1 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



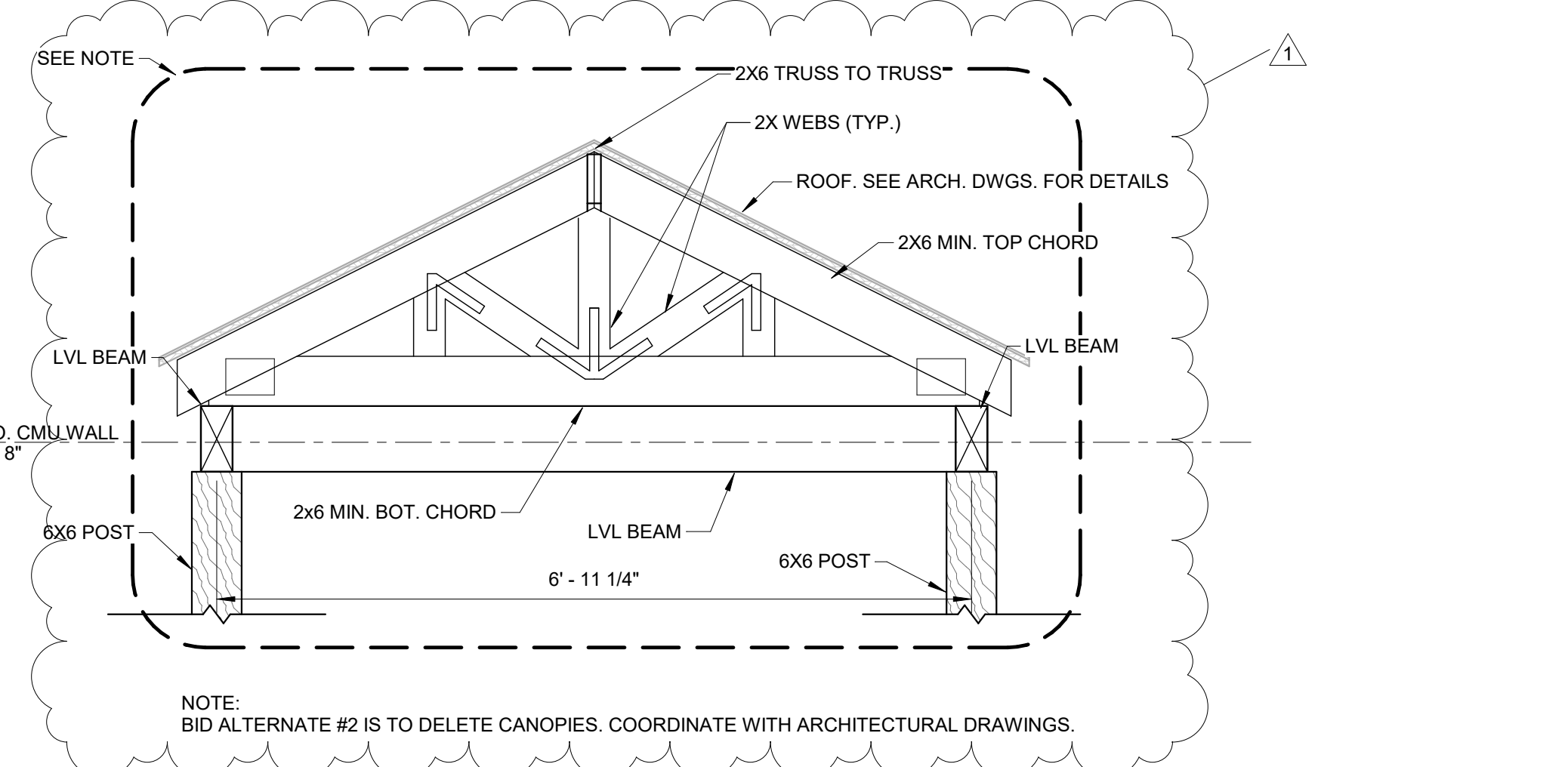
6 SECTION @ LVL CONNECTION
SCALE: 1" = 1'-0"



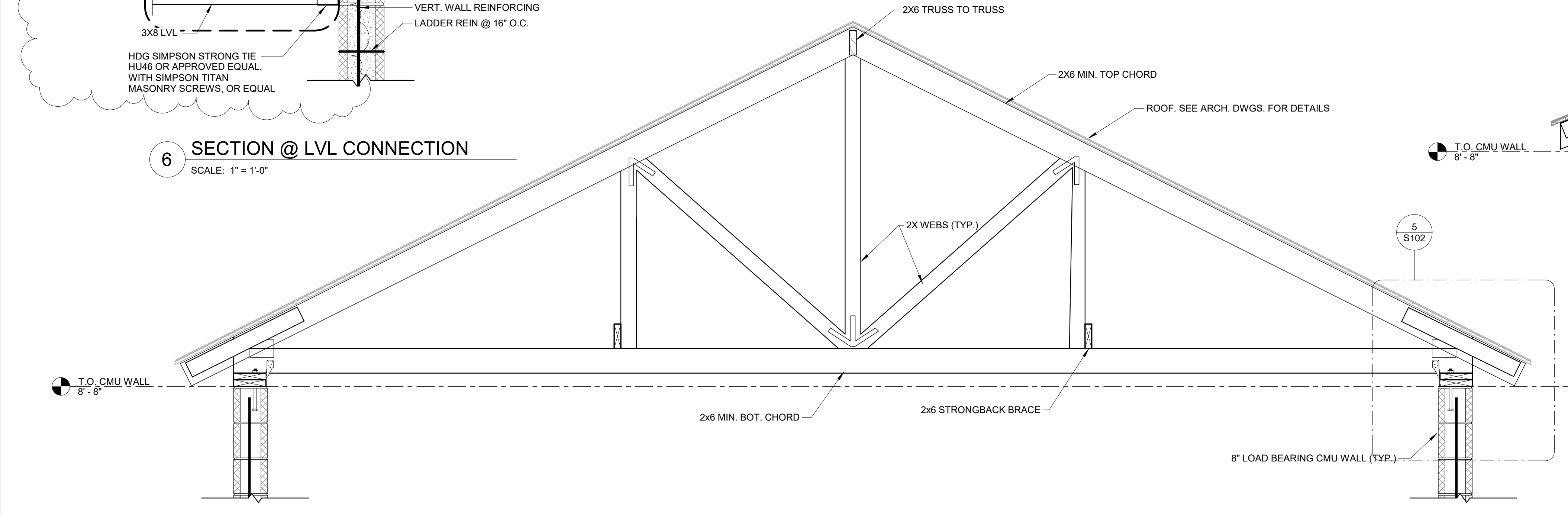
5 TRUSS BEARING ON CMU DETAIL
SCALE: 1" = 1'-0"



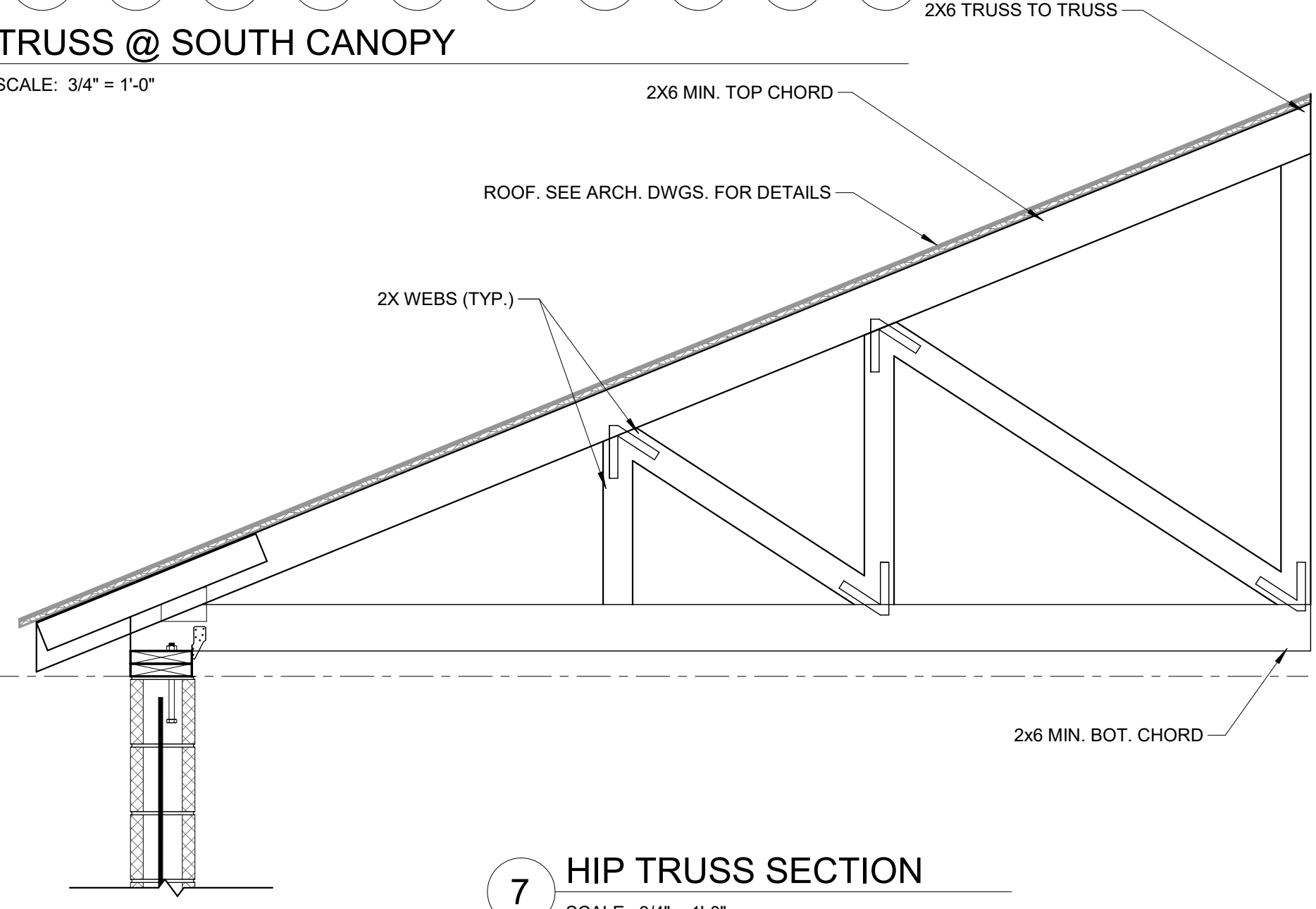
3 TRUSS @ WEST CANOPY
SCALE: 3/4" = 1'-0"



4 TRUSS @ SOUTH CANOPY
SCALE: 3/4" = 1'-0"



2 TYPICAL GABLE TRUSS
SCALE: 3/4" = 1'-0"



7 HIP TRUSS SECTION
SCALE: 3/4" = 1'-0"

Consultants:

No.	Date	Description
1	8/12/19	ADDENDUM #1

Revisions:

No.	Date	Description
1	8/12/19	ADDENDUM #1

Issued For:
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SCALE: AS NOTED

Date: JULY 30, 2019
Drawn By: SAC
Reviewed By: KMC
Approved By: NMS

W&S Project No: 2180076
W&S File No:

Drawing Title:
RESTROOM FRAMING PLAN, TRUSS ELEVATIONS AND DETAILS

Sheet Number:
S102

Consultants:

Revisions:

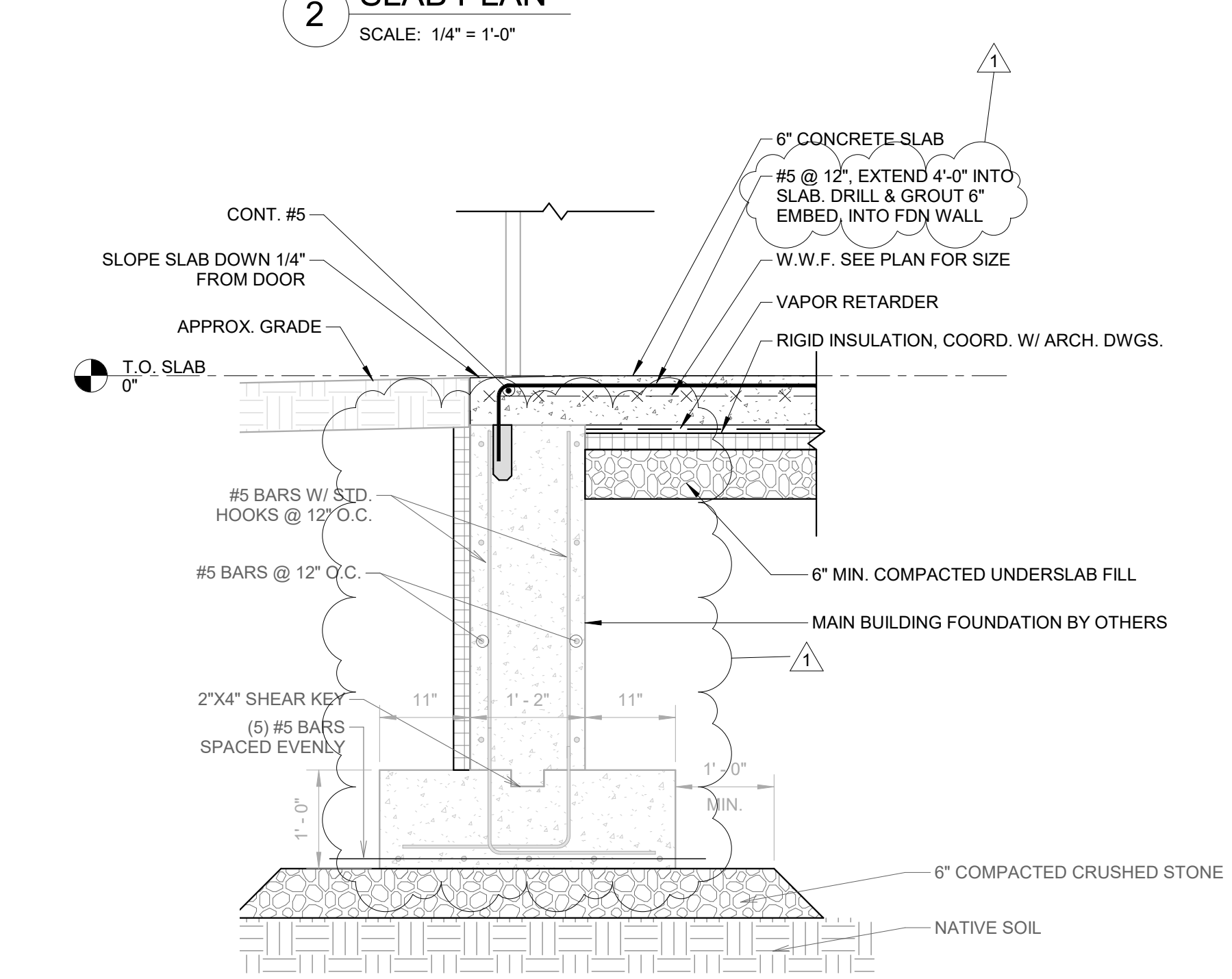
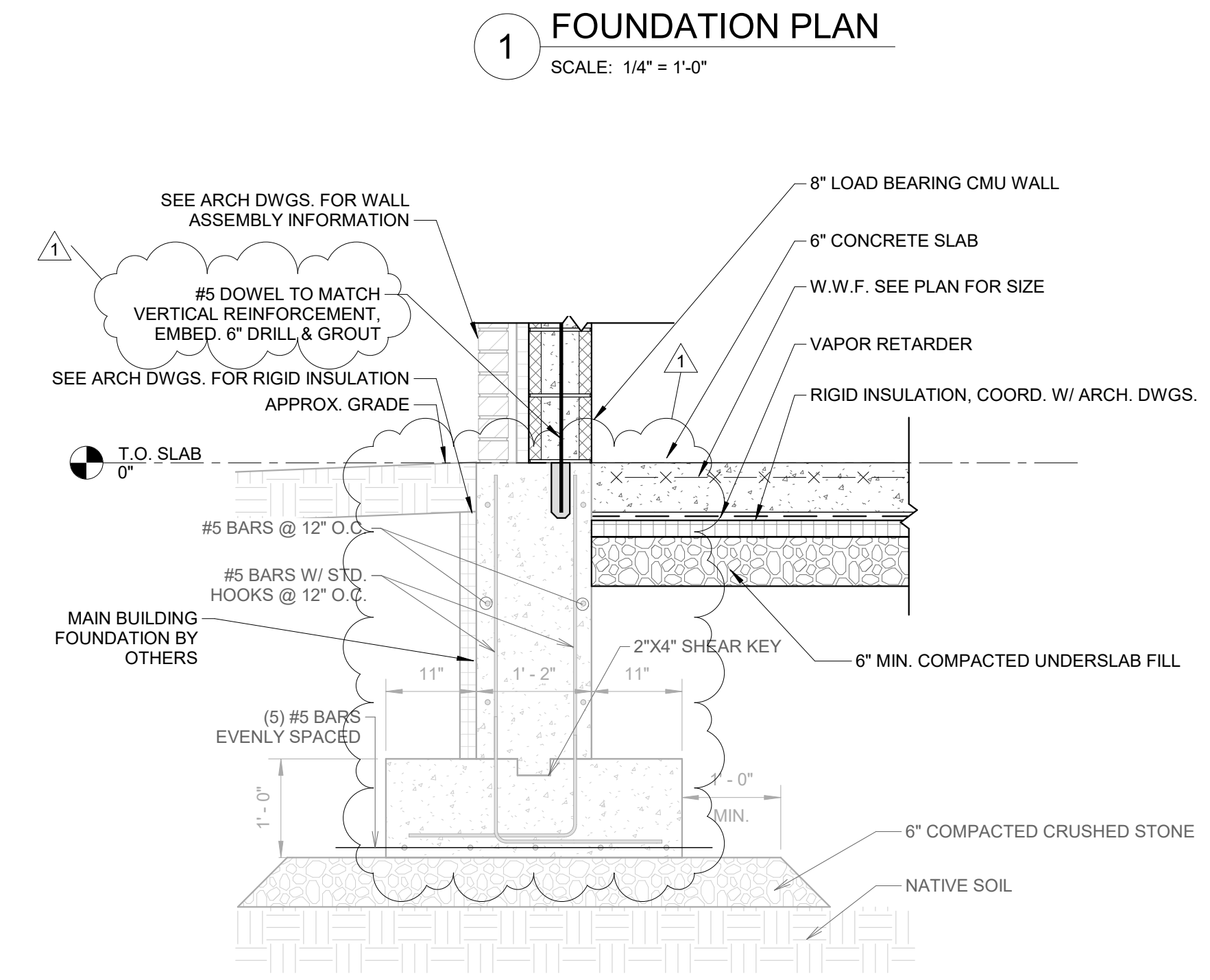
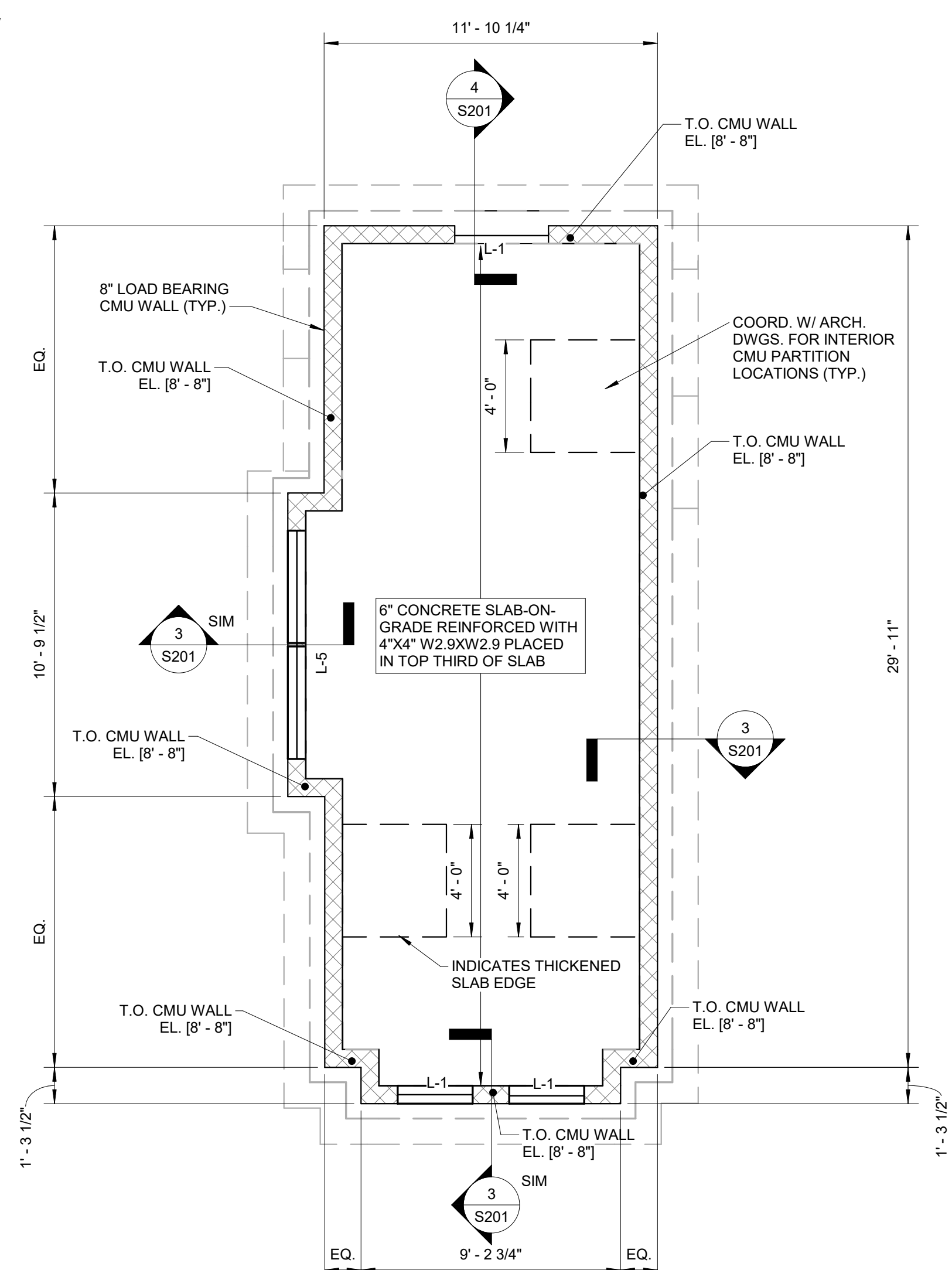
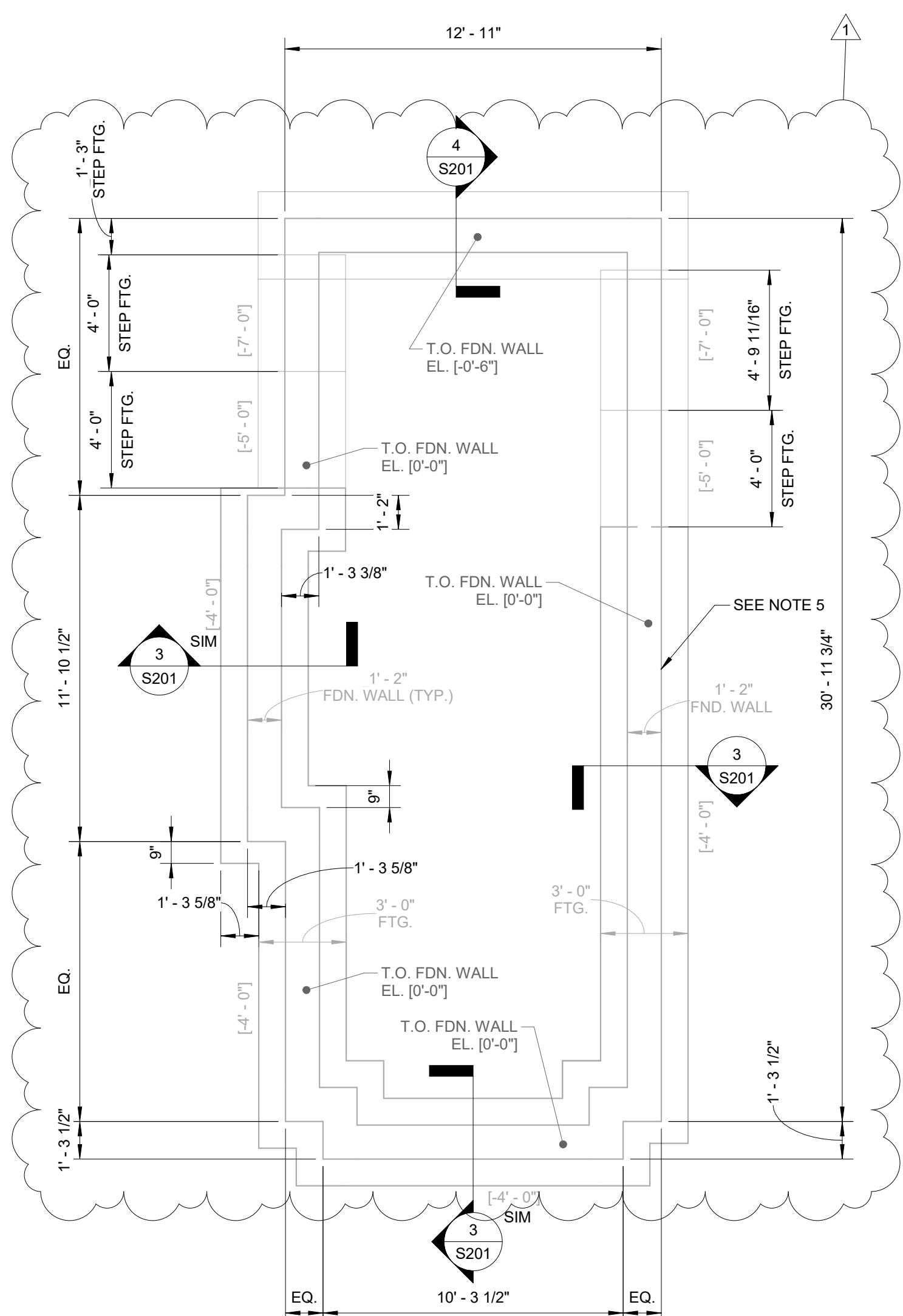
No.	Date	Description
1	8/12/19	ADDENDUM #1

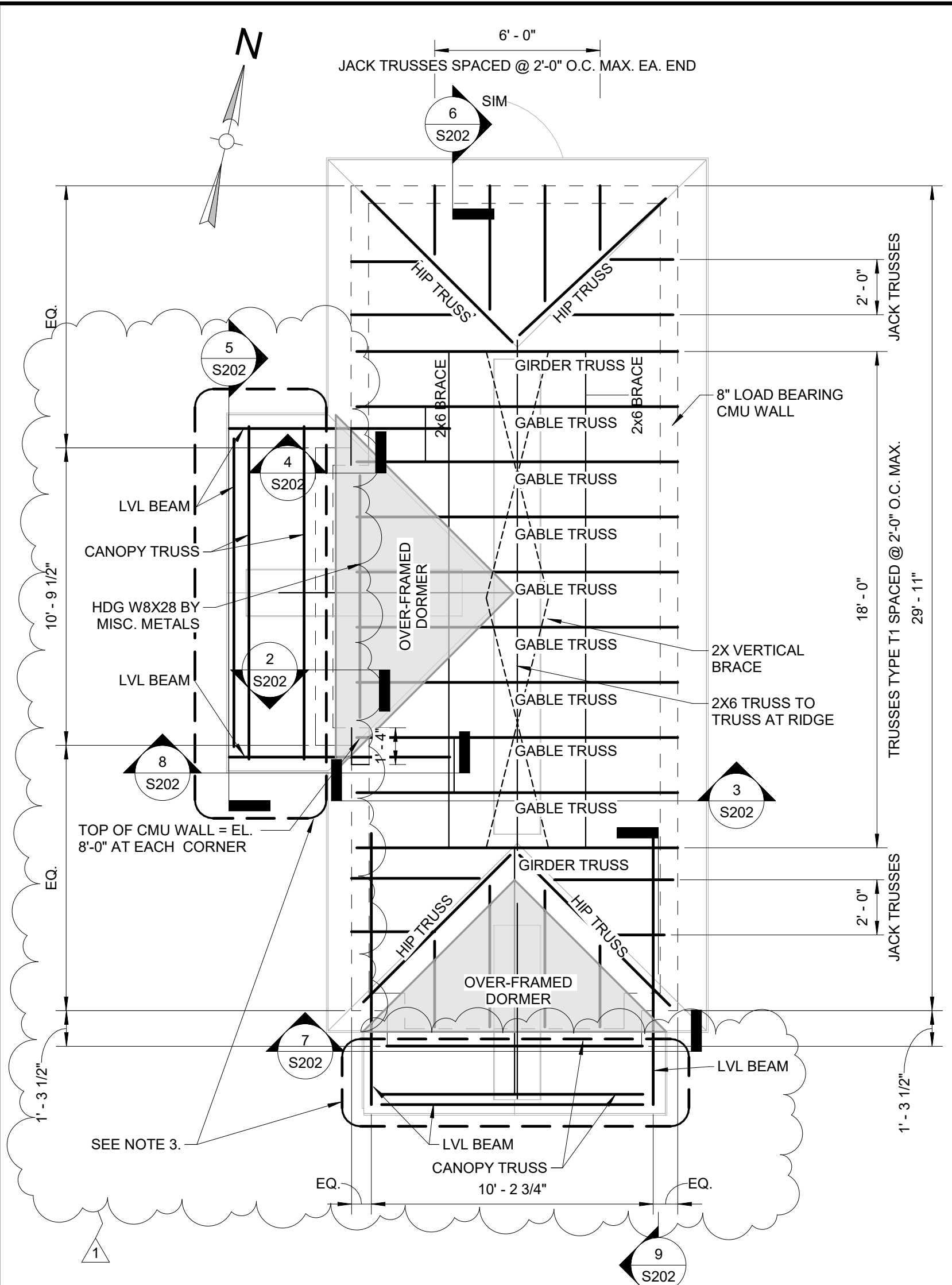
Issued For:
BIDDING DOCUMENTS

SCALE: AS NOTED
Date: JULY 30, 2019
Drawn By: SAC
Reviewed By: KMC
Approved By: NMS
W&S Project No: 2180076
W&S File No:

Drawing Title:
CONCESSION FOUNDATION AND SLAB PLAN WITH DETAILS

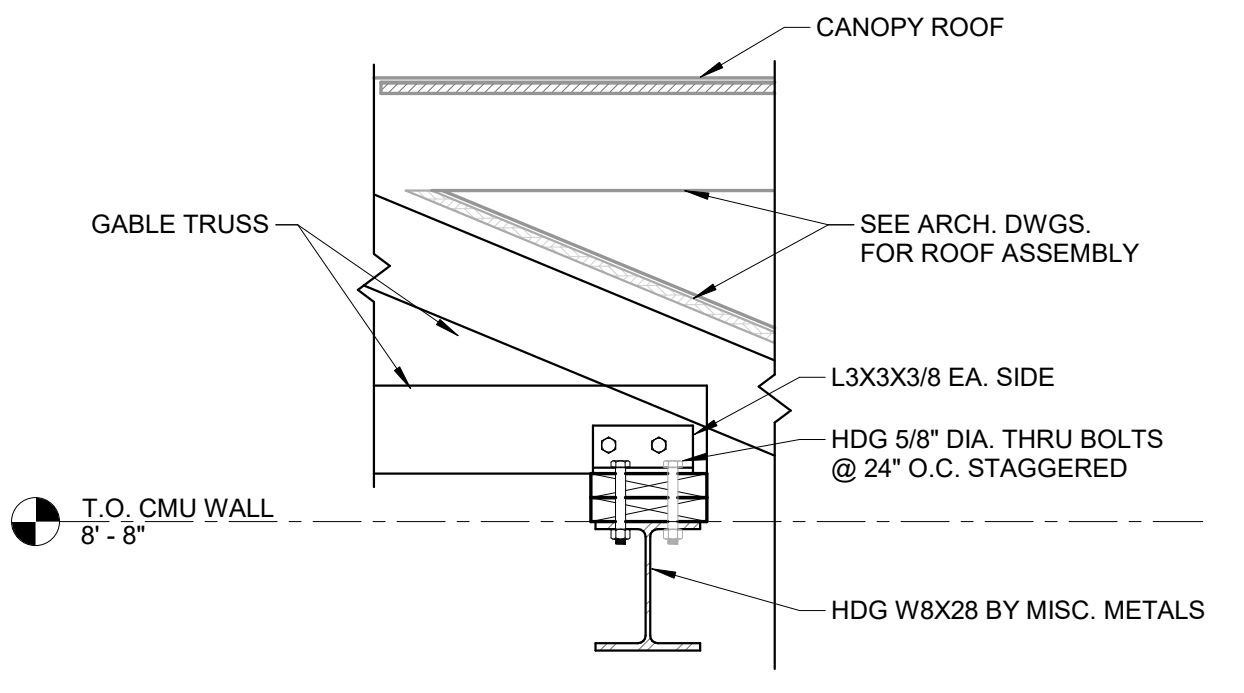
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S201



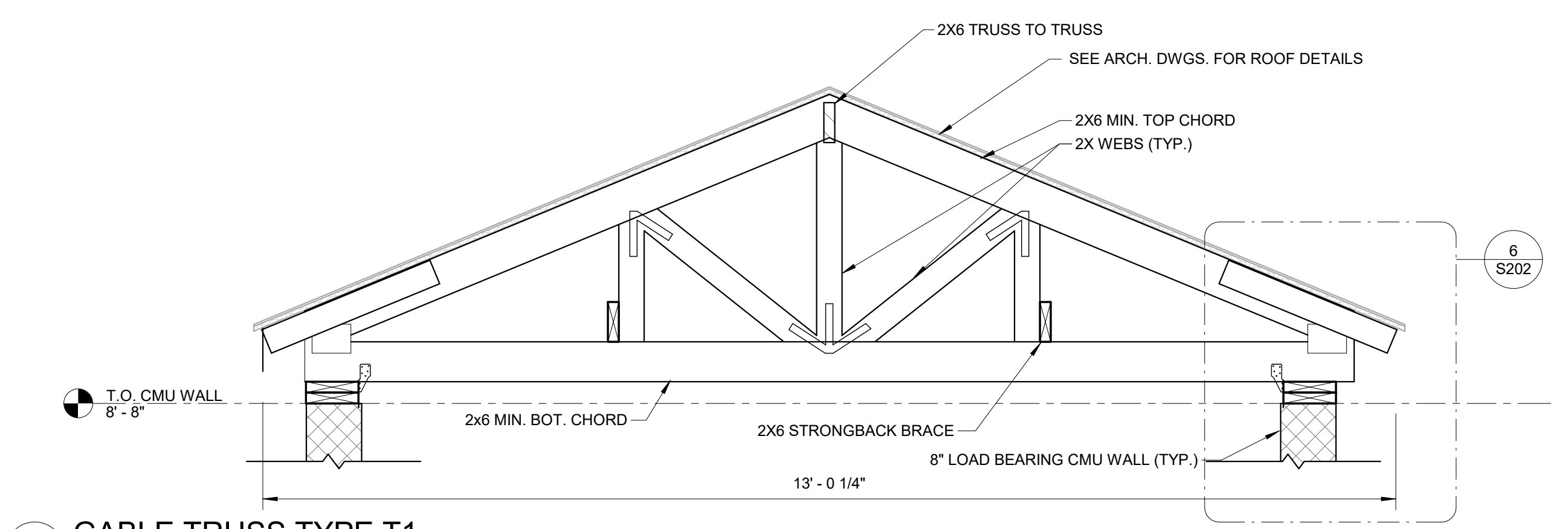


1 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

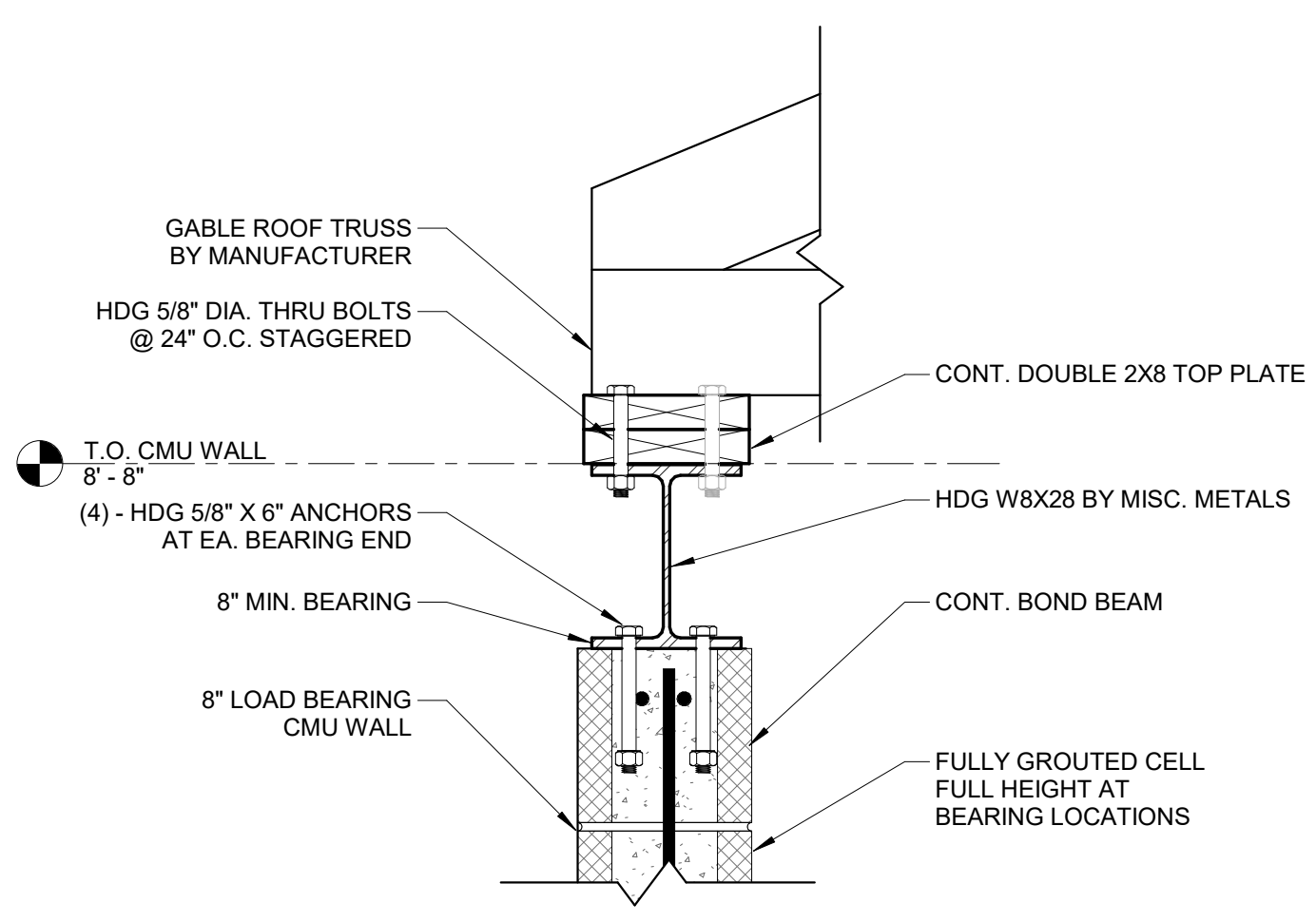
- NOTES:**
1. ROOF SHEATHING SHALL BE 5/8" THICK EXTERIOR GRADE STRUCTURAL 1 PLYWOOD, U.N.O. FASTEN PLYWOOD TO FRAMING USING 10D NAILS @ 6" O.C. EDGES AND 8" O.C. FIELD. PROVIDE BLOCKING AT PANEL EDGES.
 2. LVL BEAMS ARE 3-1/2"x7-1/4" UNLESS NOTED OTHERWISE.
 3. BID ALTERNATE #2 IS TO DELETE THE CANOPIES. COORDINATE WITH ARCHITECTURAL DRAWINGS.



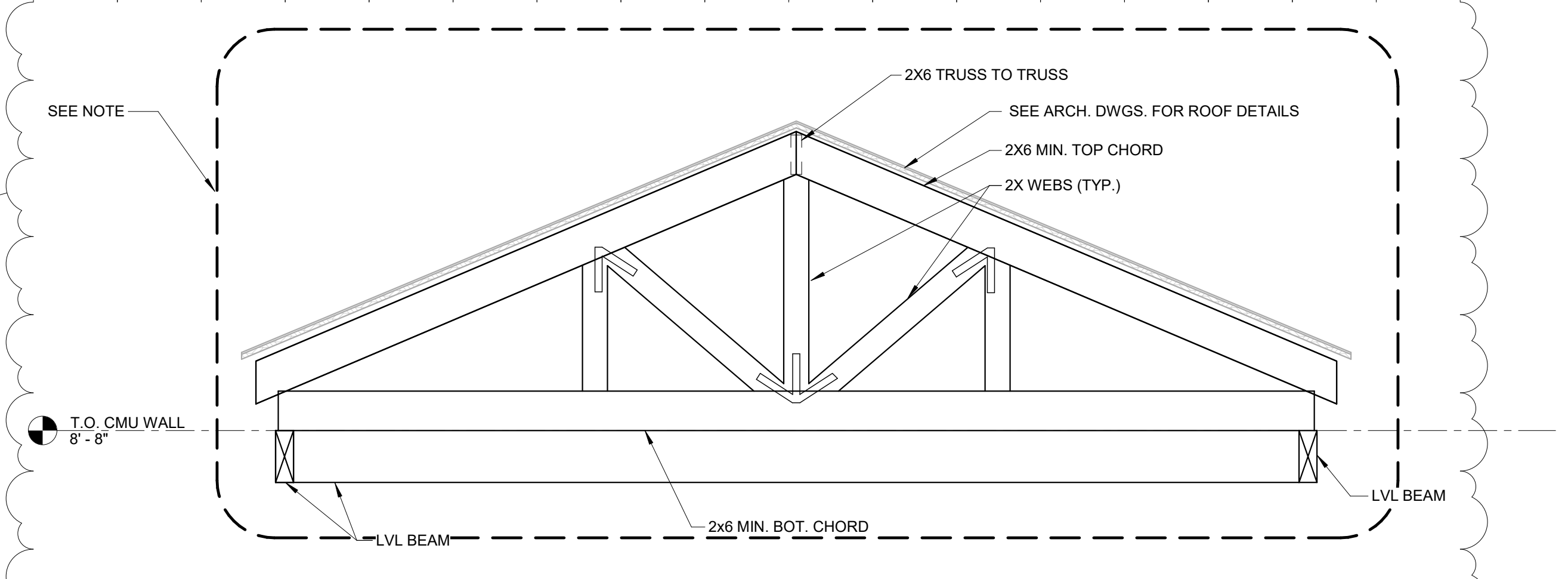
2 TRUSS BEARING ON TIMBER BEAM
SCALE: 1" = 1'-0"



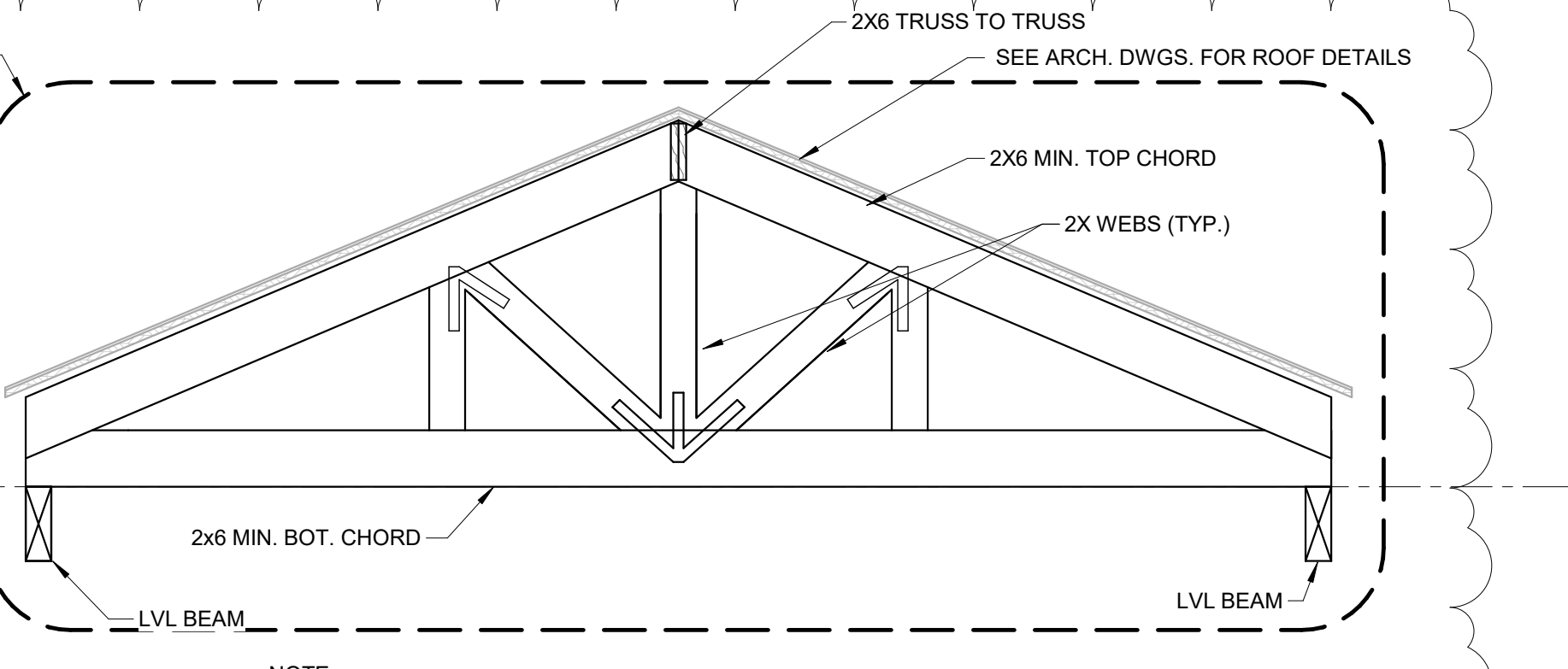
3 GABLE TRUSS TYPE T1
SCALE: 3/4" = 1'-0"



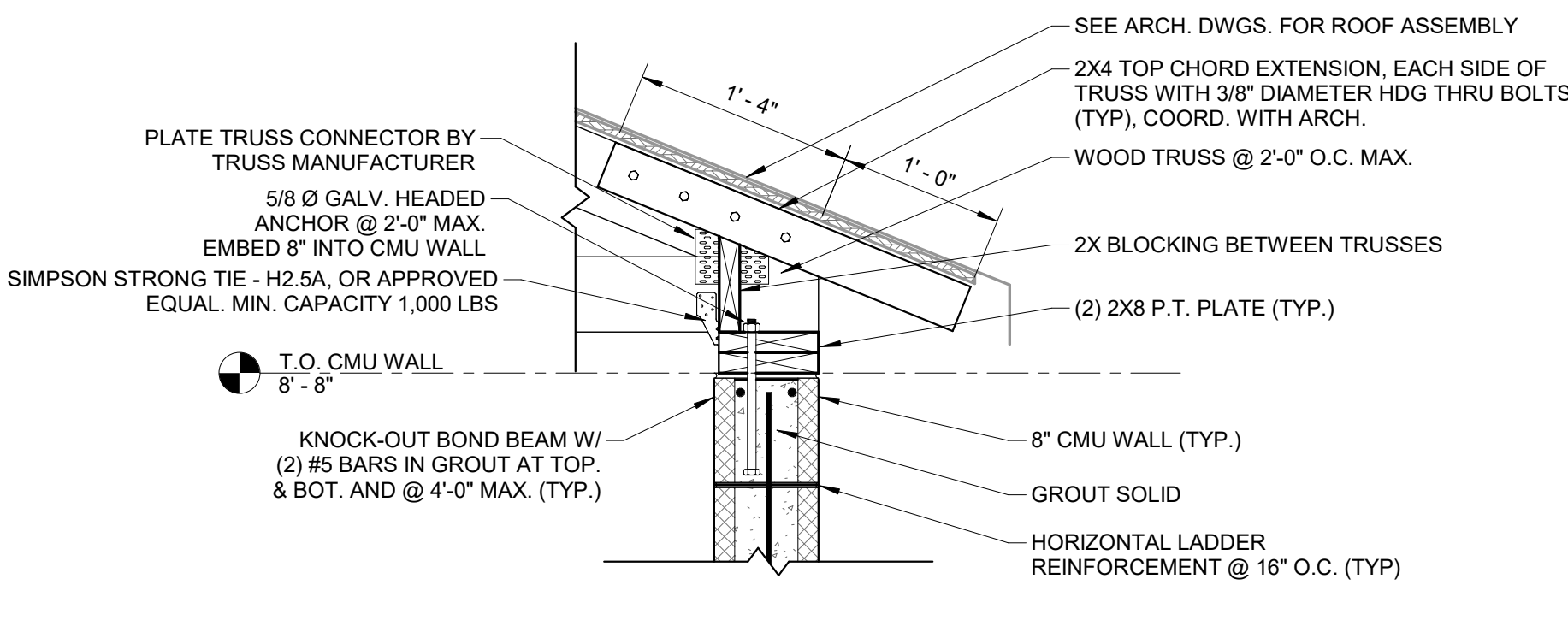
4 BEAM BEARING DETAIL
SCALE: 1 1/2" = 1'-0"



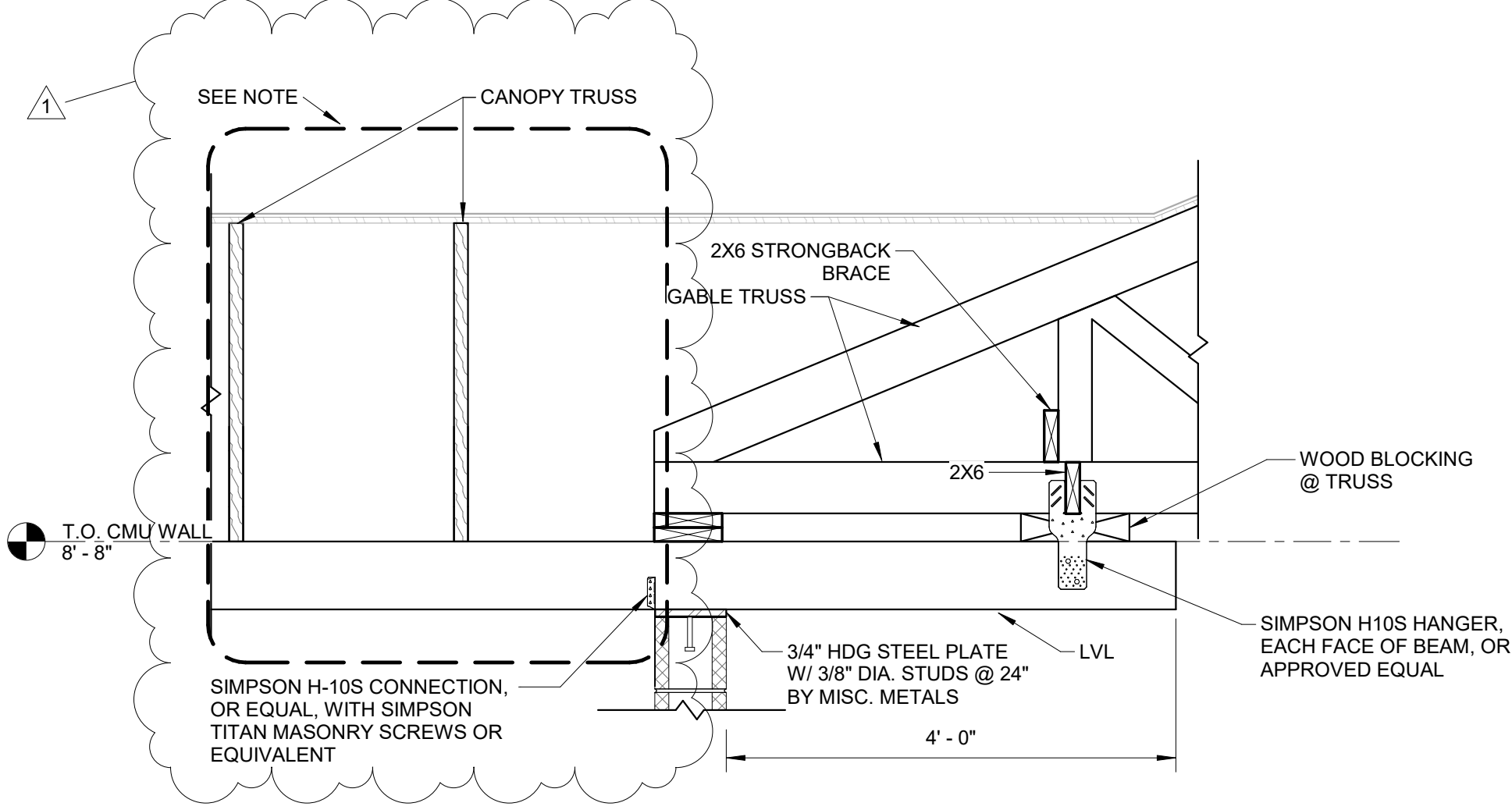
5 TRUSS @ WEST CANOPY
SCALE: 3/4" = 1'-0"



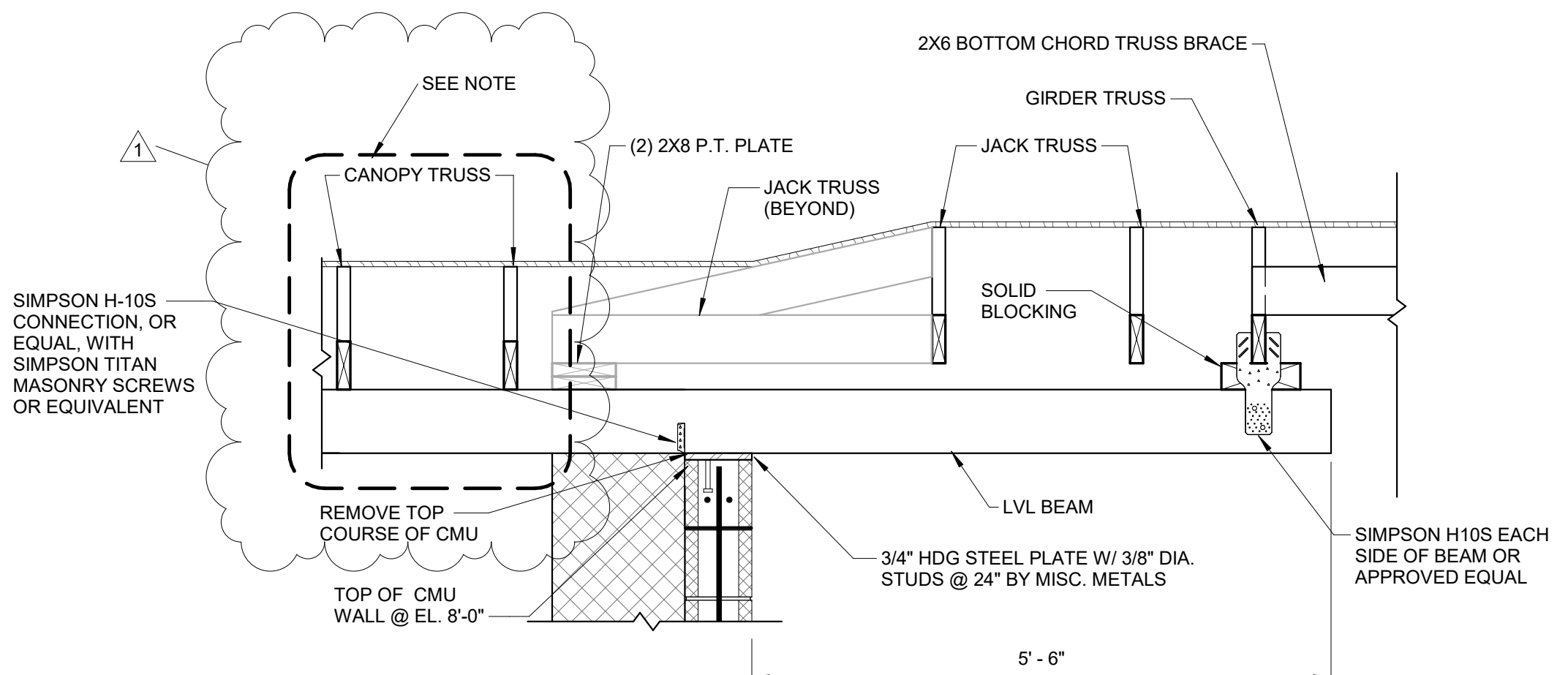
7 TRUSS @ SOUTH CANOPY
SCALE: 3/4" = 1'-0"



6 TRUSS BEARING ON CMU DETAIL
SCALE: 1" = 1'-0"



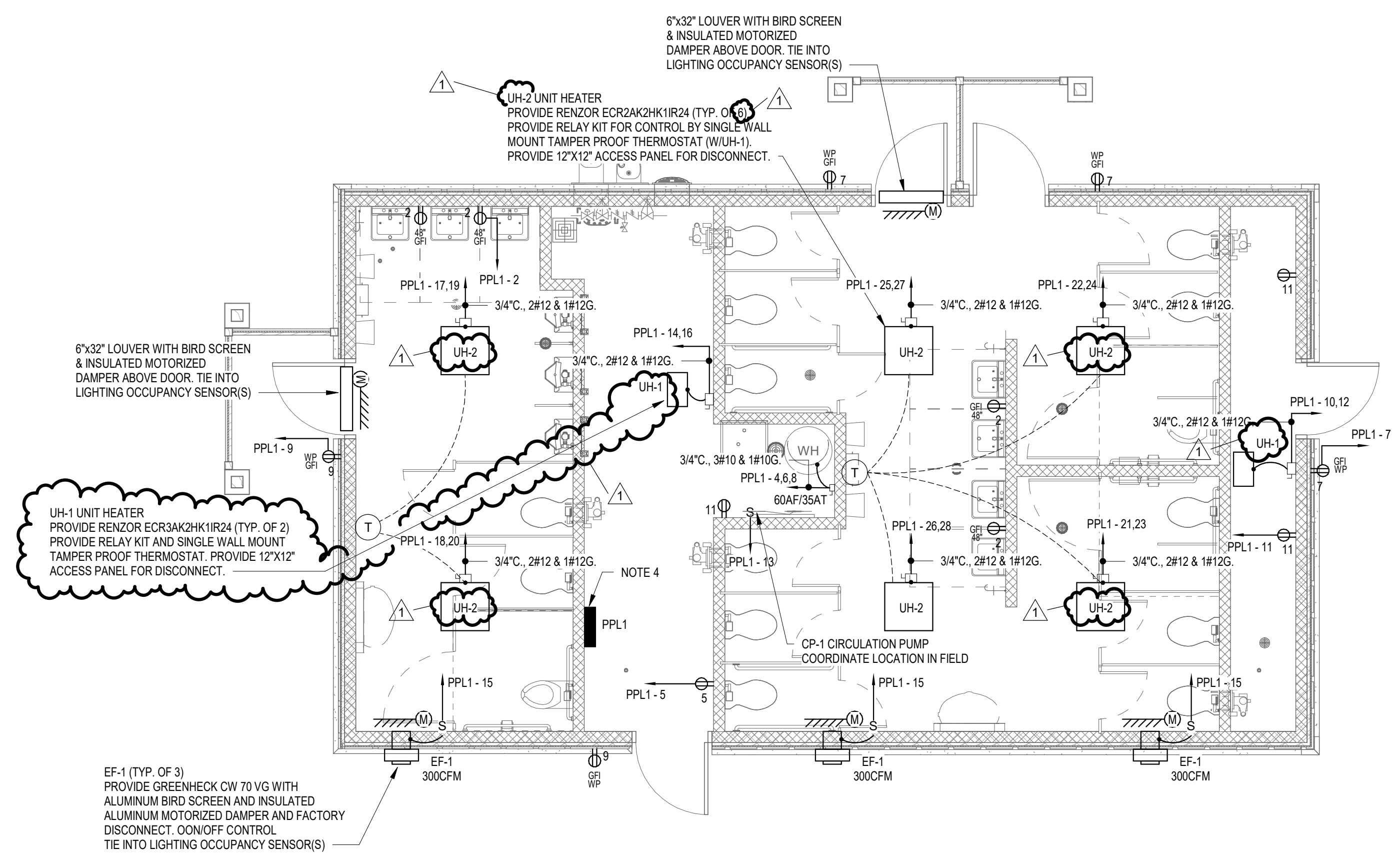
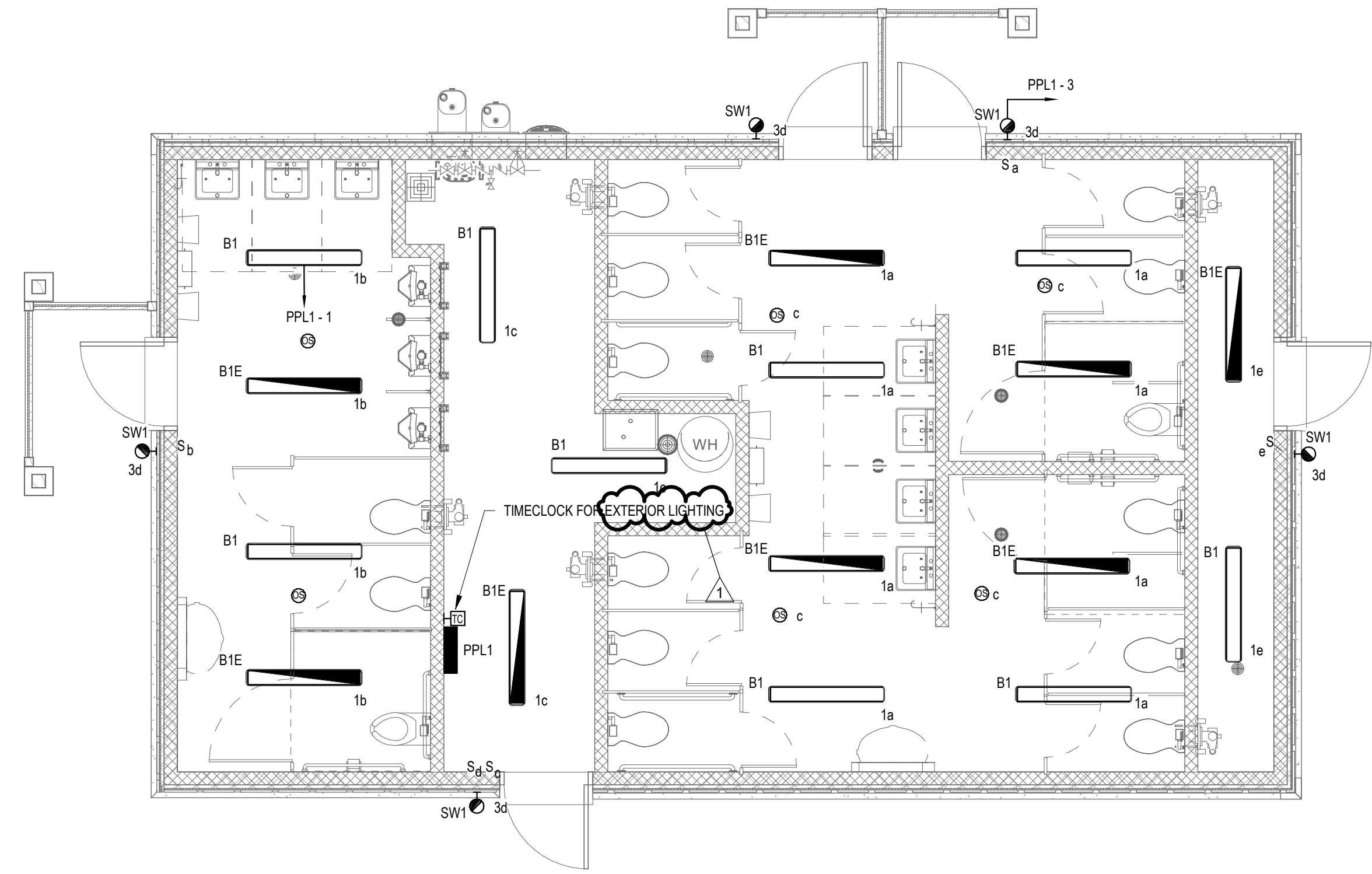
8 SECTION @ WEST CANTILEVER BEAM
SCALE: 3/4" = 1'-0"



9 SECTION @ SOUTH CANTILEVER BEAM
SCALE: 3/4" = 1'-0"

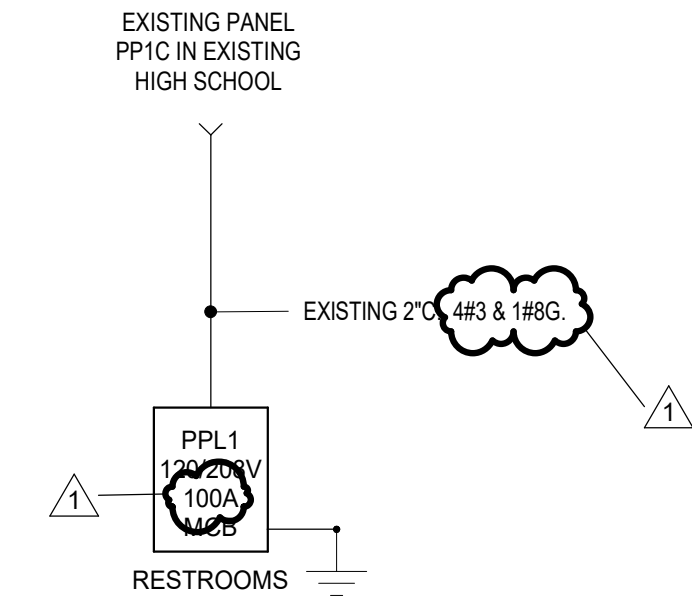
Revisions:

No.	Date	Description
1	8/12/19	ADDENDUM #1



1 LEVEL 1 LIGHTING PLAN
E101 1/4" = 1'-0"

2 LEVEL 1 POWER PLAN
E101 1/4" = 1'-0"



POWER DISTRIBUTION DIAGRAM NOTES

- REFER TO DRAWING E0.01 FOR LEGEND, SYMBOLS AND GENERAL NOTES THAT MAY PERTAIN TO THIS DRAWING.
- THIS DRAWING IS INTENDED TO ILLUSTRATE MAJOR EQUIPMENT AND REQUIRED INTERCONNECTIONS. REFER TO THE FLOOR PLANS FOR EXACT LOCATIONS AND THE SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
- THE SERVICE AND ALL SEPARATELY DERIVED SYSTEMS SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 250 OF THE NEC. BOND ALL ELECTRICALLY CONDUCTIVE MATERIALS SUCH AS METAL PIPING SYSTEMS AND STRUCTURAL STEEL TO THE GROUNDING SYSTEM. REFER TO DETAILS FOR ADDITIONAL INFORMATION.
- PANELBOARDS AND ELECTRICAL EQUIPMENT SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE OF THE EQUIPMENT.
- REFER TO THIS DRAWING FOR PANELBOARD SCHEDULE.

3 Power Riser Diagram
E101 NOT TO SCALE

Panel ID: PPL1
Voltage: 208Y/120
Phase/Wire: 3/4
Fed From: PP1C IN EXISTING BUILDING
Location: Space 3

MCB Rating: 100.0 A
A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Manufacturer:

CKT	DESCRIPTION	CB Size	Poles	A	B	C	Poles	CB Size	DESCRIPTION	CKT	
1	LIGHTS	20 A	1	1.0	0.0			1	20 A	RESTROOM RECPTS	
3	EXTERIOR LIGHTING	20 A	1		0.2	3.0				4	
5	PANEL RECPT	20 A	1			0.2	3.0	3	35 A	DWH-1	
7	EXTERIOR RECPTS	20 A	1	0.5	3.0					6	
9	EXTERIOR RECPTS	20 A	1		0.4	1.5				8	
11	RECPTS	20 A	1			0.5	1.5	2	20 A	UH-1	
13	CP-1 RECIRC PUMP	20 A	1	0.2	1.5					10	
15	EX-1 (3 FANS)	20 A	1		0.5	1.5				12	
17	UH-2	20 A	2	1.0	1.0		1.0	1.0		14	
19	UH-2	20 A	2							16	
21	UH-2	20 A	2		1.0	1.0		1.0	1.0	18	
23	UH-2	20 A	2				1.0	1.0		20	
25	UH-2	20 A	2	1.0	1.0					22	
27	UH-2	20 A	2		1.0	1.0				24	
29	TIMECLOCK	20 A	1			0.0	0.0		1	20 A	
31	SPARE	20 A	1	0.0	0.0				1	20 A	
33	SPARE	20 A	1		0.0	0.0			1	20 A	
35	SPARE	20 A	1			0.0	0.0		1	20 A	
37	SPARE	20 A	1	0.0	0.0				1	20 A	
39	SPARE	20 A	1			0.0	0.0		1	20 A	
41	SPARE	20 A	1			0.0	0.0		1	20 A	
				Total kVA:	10.2 kVA	11.1 kVA	9.2 kVA				
				Total Connected Load (kVA)	30.5 kVA						
				Total Connected Current (Amps)	84.6 A						

DRAWING NOTES:

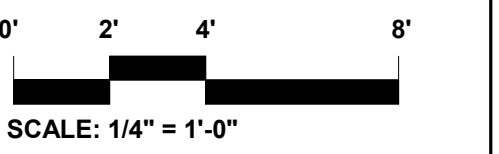
- REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- REFER TO DRAWING E201 FOR LIGHTING FIXTURE SCHEDULE.
- REFER TO THIS DRAWING FOR PANELBOARD SCHEDULE.
- COORDINATE THE LOCATION OF INCOMING CONDUITS WITH THE SITE GENERAL CONTRACTOR. THIS CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS FOR INCOMING FEEDER.

Revisions:

No.	Date	Description
1	8/12/19	ADDENDUM #1

Issued For:

BIDDING DOCUMENTS



Date: JULY 30, 2019
 Drawn By: CAP
 Reviewed By: DNM
 Approved By: RFM

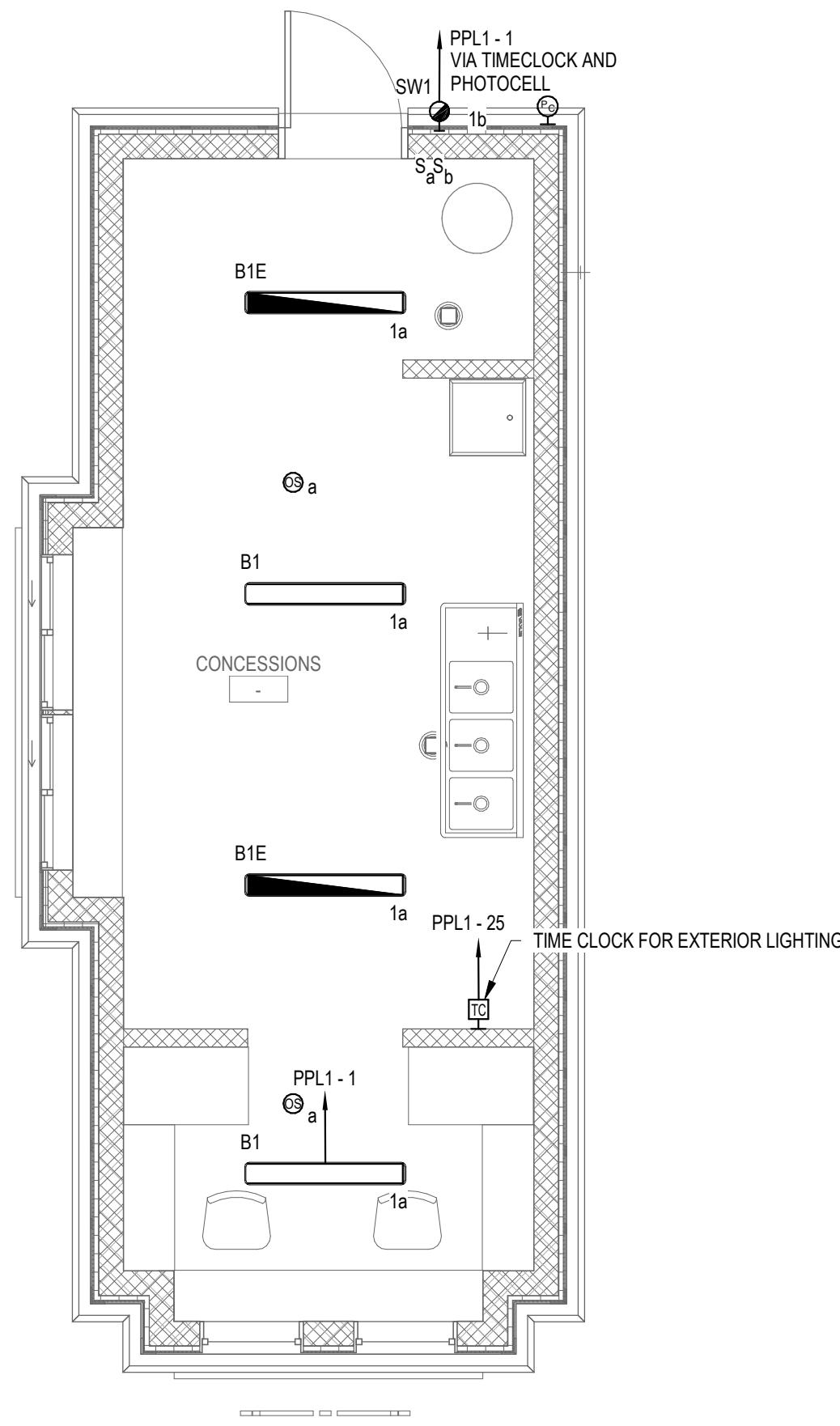
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 W&S File No:

Drawing Title:

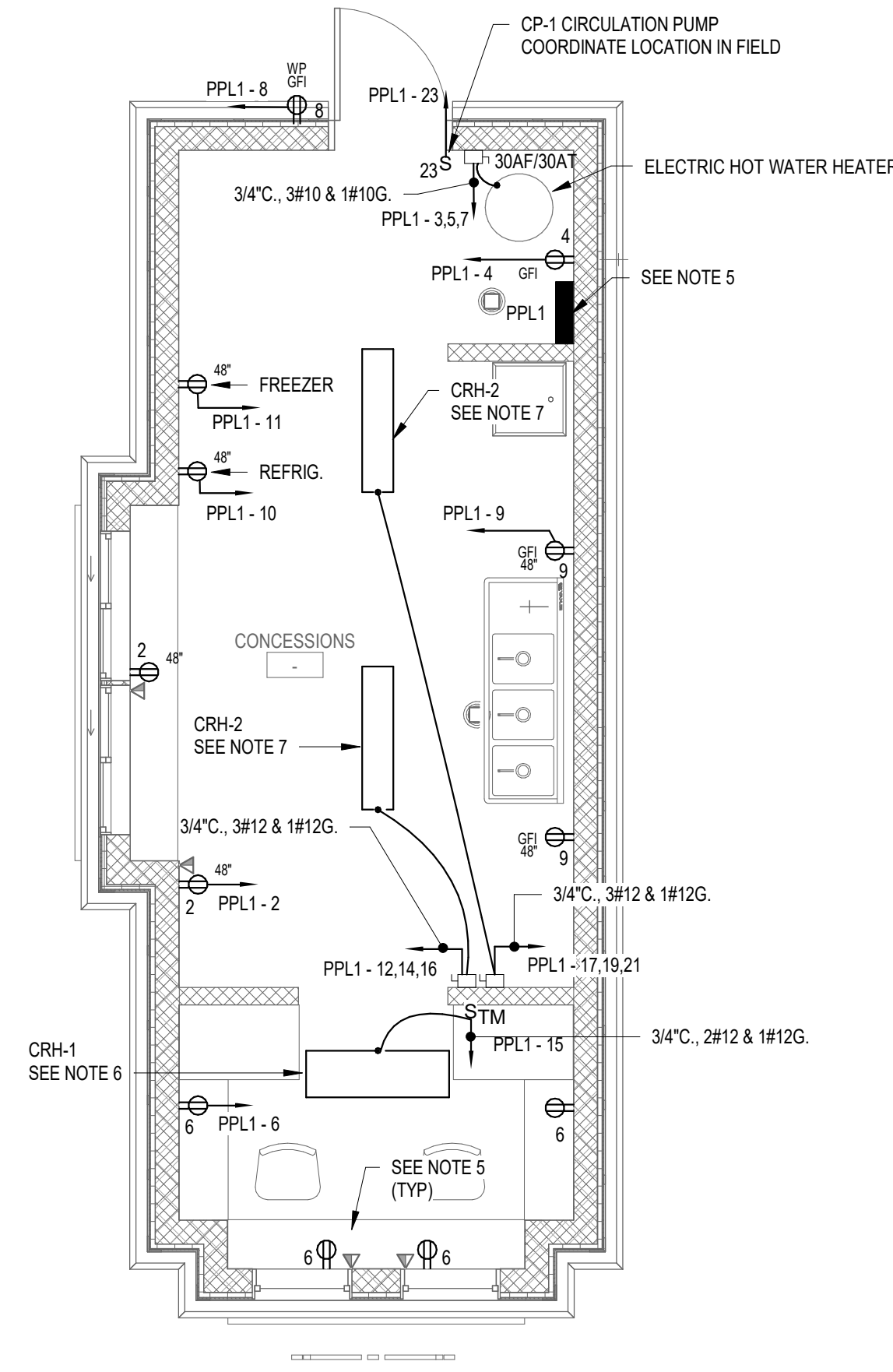
**RESTROOM
 PLANS**

Sheet Number:

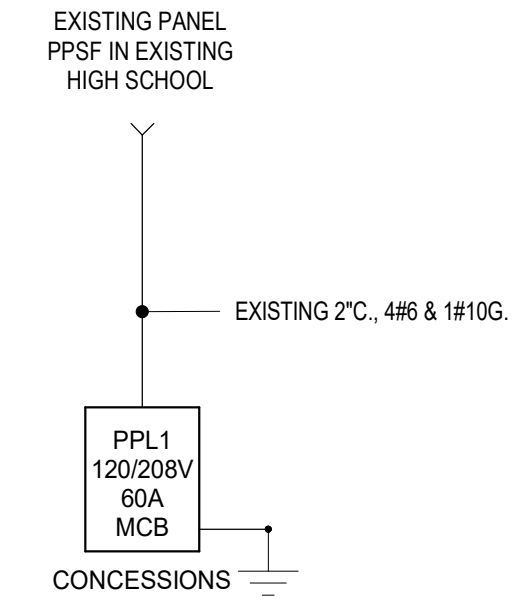
E101



1 LEVEL 1 LIGHTING PLAN
1/4" = 1'-0"



2 LEVEL 1 POWER PLAN
1/4" = 1'-0"



POWER DISTRIBUTION DIAGRAM NOTES

- REFER TO DRAWING E001 FOR LEGEND, SYMBOLS AND GENERAL NOTES THAT MAY PERTAIN TO THIS DRAWING.
- THIS DRAWING IS INTENDED TO ILLUSTRATE MAJOR EQUIPMENT AND REQUIRED INTERCONNECTIONS. REFER TO THE FLOOR PLANS FOR EXACT LOCATIONS AND THE SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
- THE SERVICE AND ALL SEPARATELY DERIVED SYSTEMS SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 250 OF THE NEC. BOND ALL ELECTRICALLY CONDUCTIVE MATERIALS SUCH AS METAL PIPING SYSTEMS AND STRUCTURAL STEEL TO THE GROUNDING SYSTEM. REFER TO DETAILS FOR ADDITIONAL INFORMATION.
- PANELBOARDS AND ELECTRICAL EQUIPMENT SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE OF THE EQUIPMENT.
- REFER TO THIS DRAWING FOR PANELBOARD SCHEDULE.

3 POWER RISER DIAGRAM
NOT TO SCALE

Panel ID: PPL1 Voltage: 208Y/120 Phase/Wire: 3/4 Fed From: PPSF IN EX BLDG Location: UTILITY 200		MCB Rating: 60.0 A A.I.C. Rating: 10,000 AMPS SYMMETRICAL Manufacturer:									
CKT	DESCRIPTION	CB Size	Poles	A	B	C	Poles	CB Size	DESCRIPTION	CKT	
1	LITES CONCESSIONS -	20 A	1	0.3	0.4		1	20 A	RECPTS	2	
3					2.0	0.2		1	20 A	PANEL RECPT	4
5	HOT WATER HEATER	30 A	3			2.0	0.7	1	20 A	TICKETS	6
7				2.0	0.0			1	20 A	EXTERIOR RECPTS	8
9	RECPTS	20 A	1		0.4	1.2		1	20 A	REFRIGERATOR	10
11	FREEZER	20 A	1			1.2	0.4				12
13	SPARE	20 A	1	0.0	0.4			3	20 A	CRH-2 SOUTH	14
15	CRH-1	20 A	1		1.5	0.4					16
17						0.4	0.0	1	20 A	SPARE	18
19	CRH-2 NORTH	20 A	3	0.4	0.0			1	20 A	SPARE	20
21					0.4	0.0		1	20 A	SPARE	22
23	CP-1 CIRC. PUMP	20 A	1			0.2	0.0	1	20 A	SPARE	24
25	TIMECLOCK	20 A	1	0.0	0.0			1	20 A	SPARE	26
27	SPARE	20 A	1		0.0	0.0		1	20 A	SPARE	28
29	SPARE	20 A	1			0.0	0.0	1	20 A	SPARE	30
31	SPARE	20 A	1	0.0	0.0			1	20 A	SPARE	32
33	SPARE	20 A	1		0.0	0.0		1	20 A	SPARE	34
35	SPARE	20 A	1			0.0	0.0	1	20 A	SPARE	36
37	SPARE	20 A	1	0.0	0.0			1	20 A	SPARE	38
39	SPARE	20 A	1		0.0	0.0		1	20 A	SPARE	40
41	SPARE	20 A	1			0.0	0.0	1	20 A	SPARE	42
Total kVA:				3.4 kVA	6.0 kVA	4.8 kVA					
Total Connected Load (kVA)				14.2 kVA							
Total Connected Current (Amps)				39.4 A							

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MFR	CATALOG SERIES	LAMP	MOUNTING	VOLT	WATT	NOTE
B1	1' X 4' ENCLOSED AND GASKETED, VAPORTIGHT LED FIXTURE PENDANT MOUNT	COOPER LIGHTING	4VT2LD4-4-DR-UNV-L835-CD1U	LED/ 2417 LUMENS/ 3500K	SURFACE	120 V	96 W	
B1E	1' X 4' ENCLOSED AND GASKETED, VAPORTIGHT EMERGENCY LED FIXTURE PENDANT MOUNT	COOPER LIGHTING	4VT2LD4-4-DR-UNV-L1-REM-EL-835-CD1-U	LED/ 2417 LUMENS/ 3500K	SURFACE	120 V	96 W	PROVIDE WITH INTEGRAL EMERGENCY LED DRIVER
SW1	WALL MOUNTED FIXTURE	COOPER LIGHTING	LDWP-FC-4A-120V-EMLED-CD	LED/ 1313 LUMENS/ 3500K	WALL	120 V	40 W	MOUNT 8'-0" AFG. PROVIDE WITH INTEGRAL COLD WEATHER EMERGENCY BALLASE

DRAWING NOTES:

- REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- REFER TO THIS DRAWING FOR LIGHTING FIXTURE SCHEDULES.
- REFER TO THIS DRAWING FOR PANELBOARD SCHEDULES.
- COORDINATE THE LOCATION OF INCOMING CONDUITS WITH THE SITE GENERAL CONTRACTOR. THIS CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS FOR INCOMING FEEDER.
- COORDINATE DATA WITH THE TOWN OF WAYLAND.
- PROVIDE CERAMICRUIT 1445CL CEILING MOUNTED ELECTRIC RADIANT HEATER.
- PROVIDE CERAMICRUIT 945 CEILING MOUNTED ELECTRIC RADIANT HEATER. (TYP. OF 2)

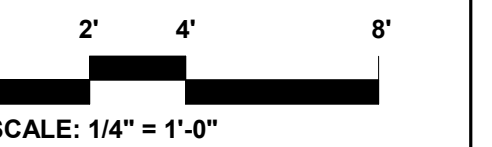
Consultants:

Revisions:

No.	Date	Description
1	8/12/19	ADDENDUM #1

Issued For:

BIDDING DOCUMENTS



Date: JULY 30, 2019
Drawn By: CAP
Reviewed By: DNM
Approved By: RFM

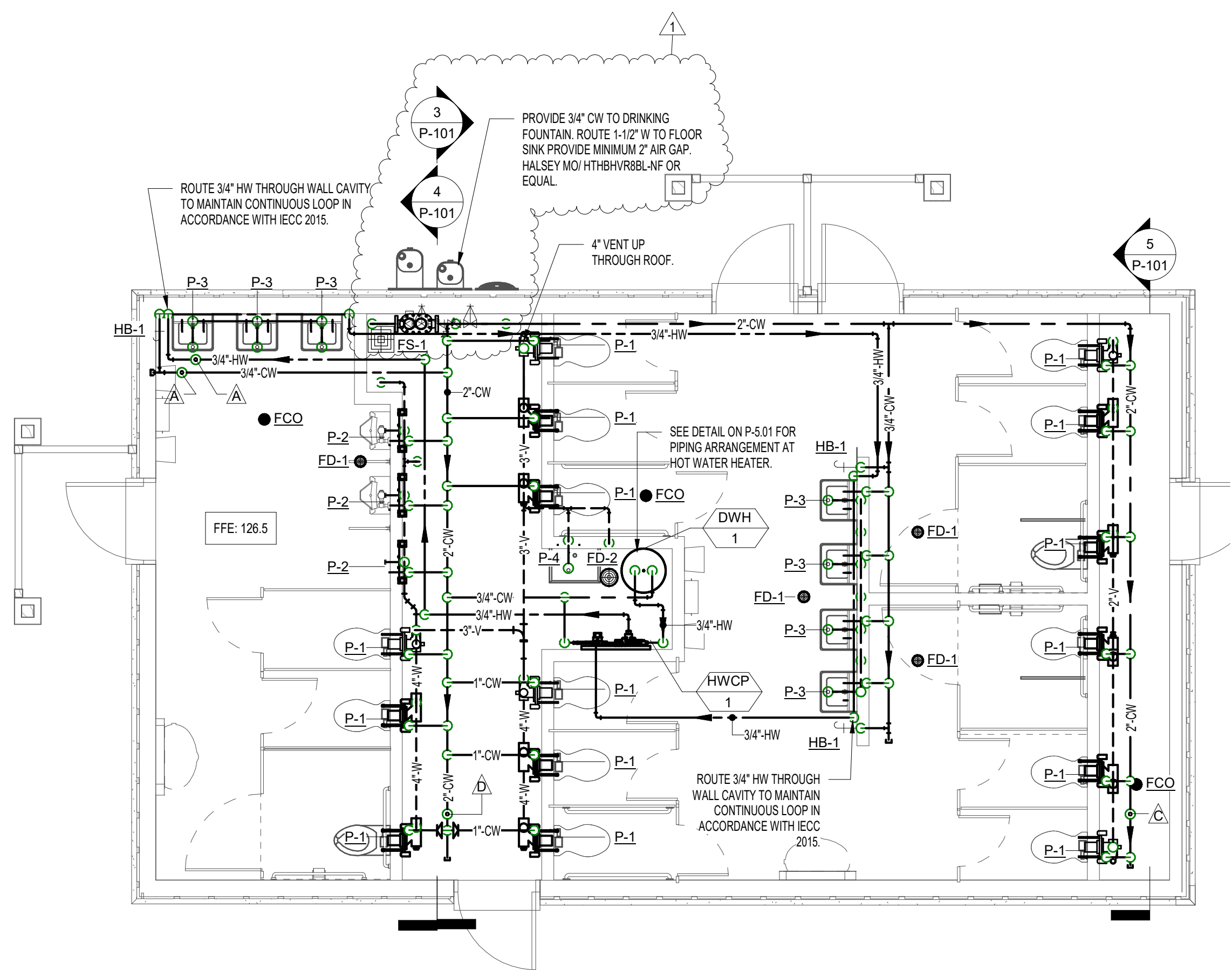
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W&S File No:

Drawing Title:

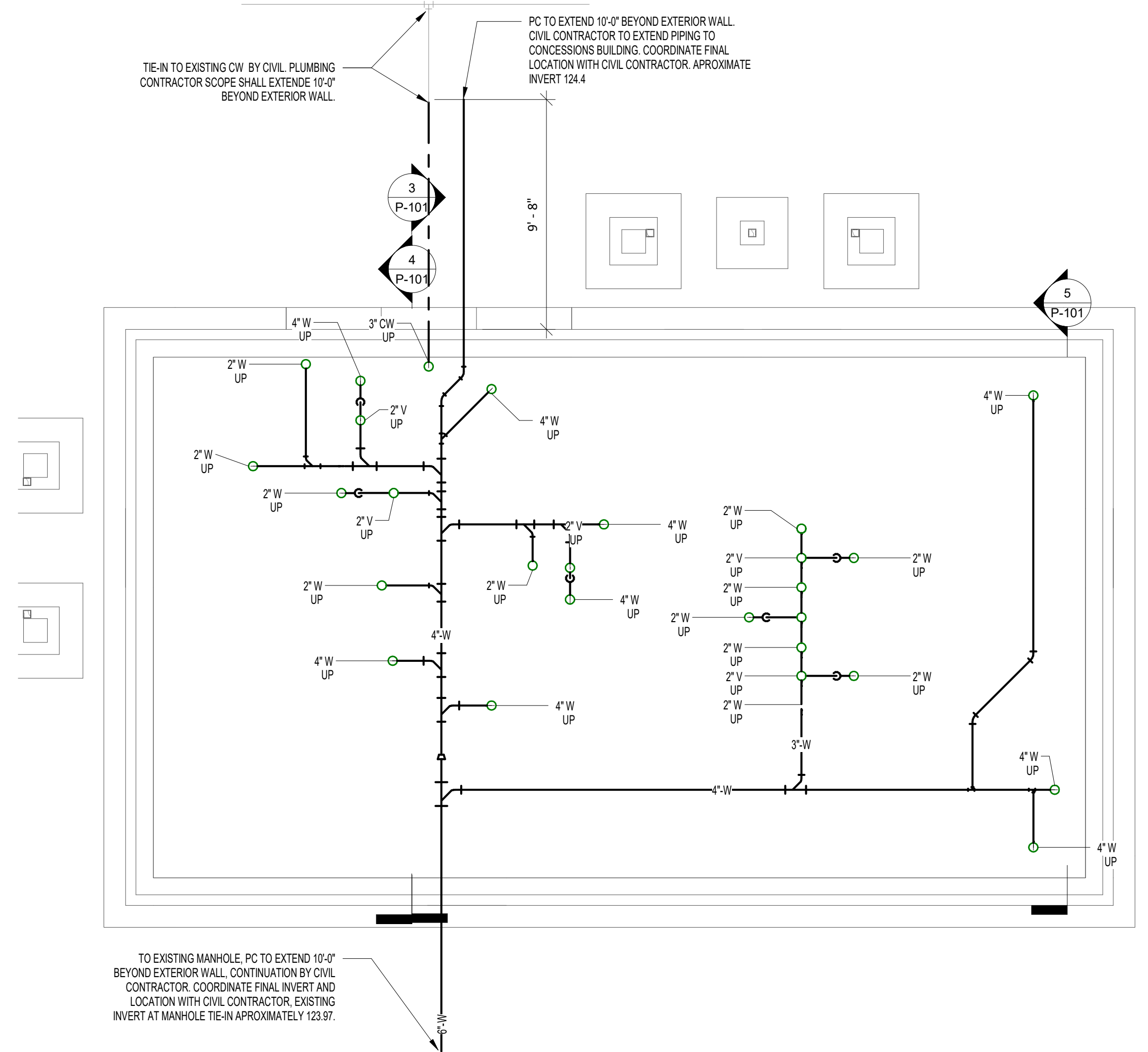
CONCESSIONS
PLANS

Sheet Number:

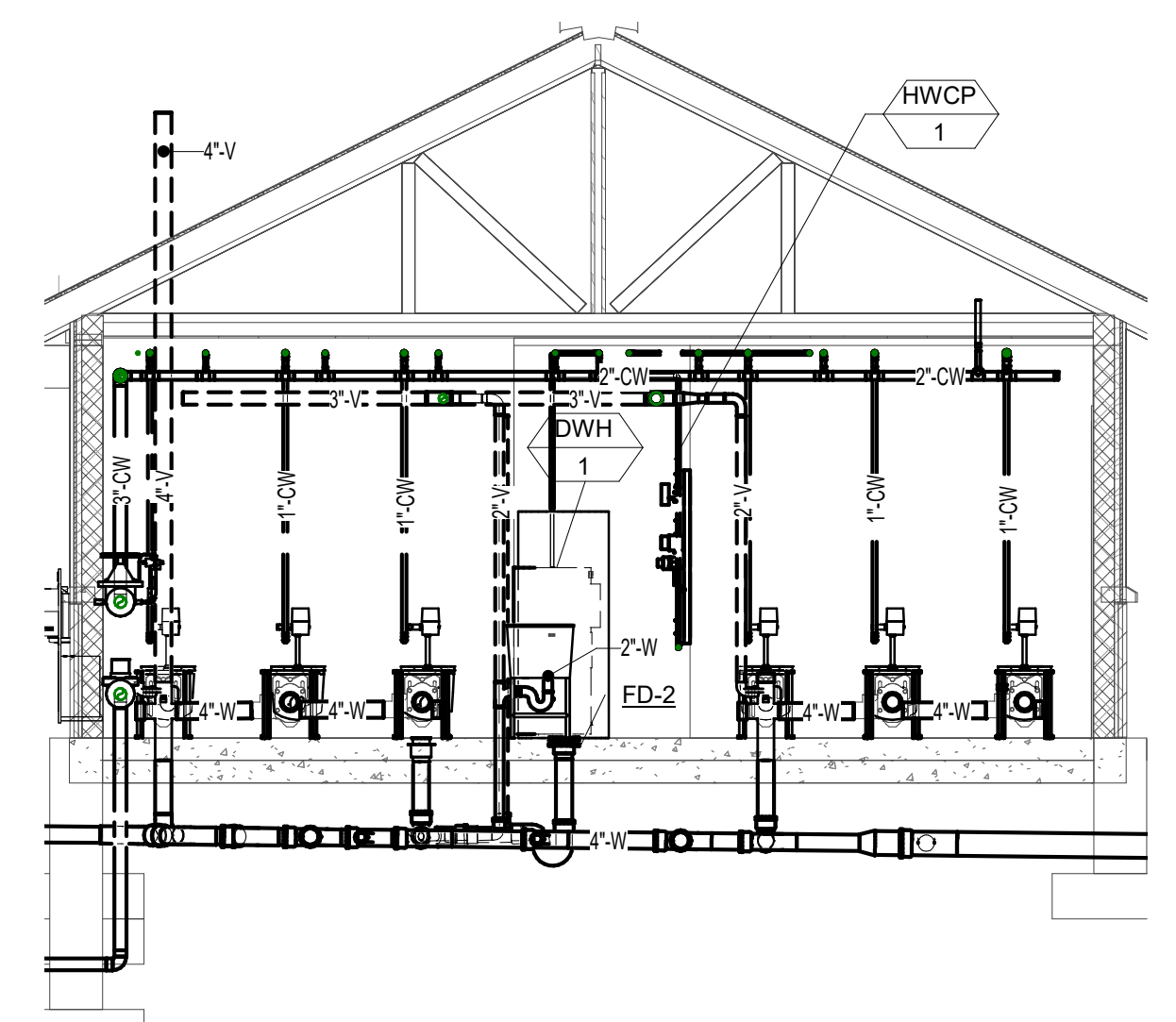
E201



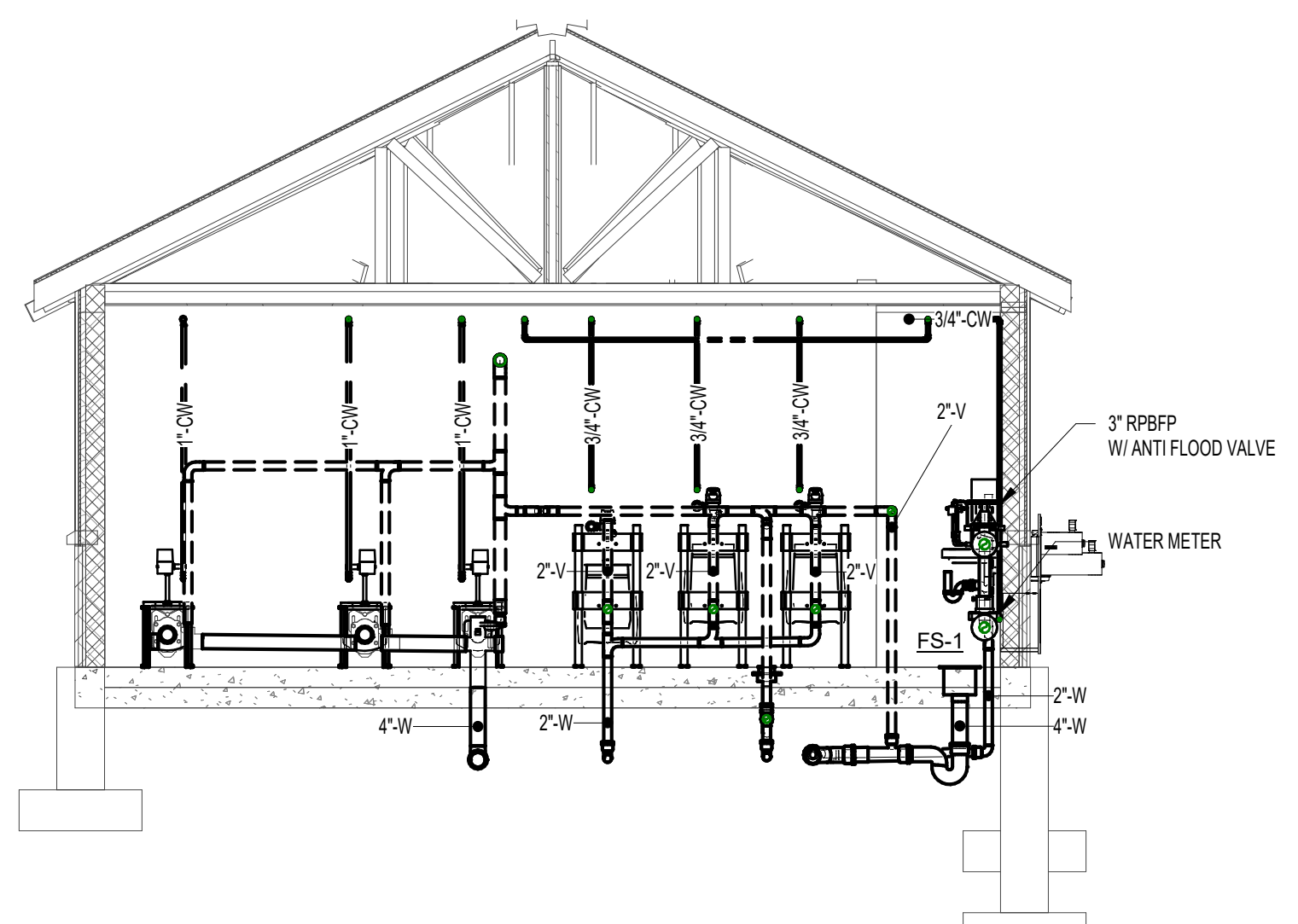
1 RESTROOM PLUMBING PLAN
1/4" = 1'-0"



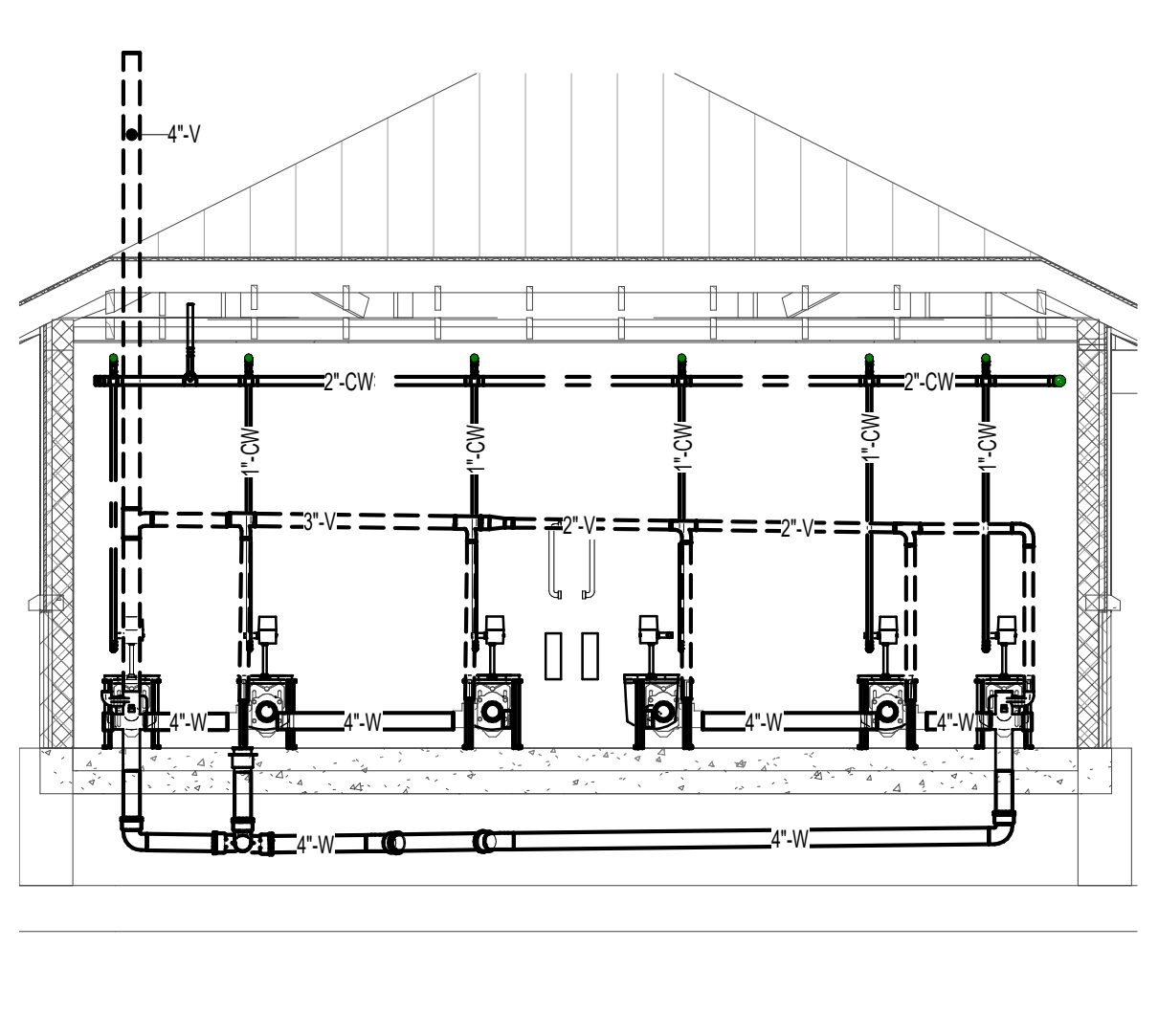
2 RESTROOM PLUMBING UNDERSLAB PLAN
1/4" = 1'-0"



3 SECTION - PLUMBING CHASE
1/4" = 1'-0"



4 SECTION - MENS PLUMBING CHASE
1/4" = 1'-0"




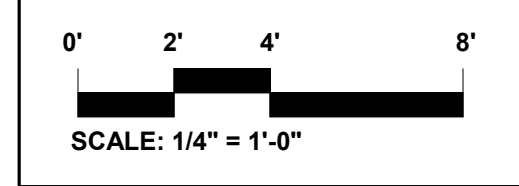
5 SECTION - WOMEN'S PLUMBING CHASE
1/4" = 1'-0"

Revisions:

Rev	Date	Description
1	08/12/2019	ADDENDUM 1

Issued For: INTERNAL REVIEW


PROJECT TRUE



Date: JULY 31, 2019
Drawn By: R/JH
Reviewed By: SEH
Approved By: SEH
W&S Project No: 2180076

Drawing Title:
PLUMBING RESTROOMS

Sheet Number:

P-101