



CONTRACT DOCUMENTS

Midway and Siuslaw Pump Station Enclosures

DATE:
June 10, 2023

CITY OF CANNON BEACH
PO Box 368
163 East Gower Street
Cannon Beach, Oregon 97110
(503) 436-1581

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City of Cannon Beach

Invitation to Bid

Sealed bids for the **Midway and Siuslaw Pump Station Enclosures Project** will be received by Karen La Bonte, Public Works Director, for the Owner, City of Cannon Beach, at 163 E Gower, Cannon Beach, Oregon 97110 at 2:00 p.m., Pacific Daylight Time, on July 20, 2023, at which time and place they will be publicly opened and read aloud. No bids will be accepted after this time. The bid opening will be in person at the address listed above unless government restrictions prevent that from happening. In that case, the City will arrange for a virtual bid opening via Zoom.

All bidders shall submit, in a separate, sealed envelope, within two working hours of the bid opening time, on the bid date, a completed First-Tier Subcontractor Disclosure Form in compliance with ORS 279C.370.

In general, the elements of work include, but are not limited to:

Construction of building additions on both Midway and Siuslaw pump stations as shown on architectural and engineering plans provided as Exhibit F. Each pump station is engineered and designed in preparation for the arrival of two new, permanent generators as noted in site details attached. Contractor shall construct both locations as designed, shall provide all necessary materials (unless otherwise noted) and shall perform electrical work to accommodate noted generator specs.

Electrical scope of work for each pump station shall include:

1. Ensure all new conduit is placed in the correct location to receive new generator, including transformer;
2. Coordinate existing power service to be placed underground and move electrical meter;
3. Supply and install all new light fixtures, interior and exterior;
4. Install all ventilation louvers pertaining to generator.

Electrical scope of work at Midway pump station shall include:

1. 1-4 listed above;
2. Move existing pump leads to avoid new structure.

Maintaining pump station operation during installation of the new onsite generator system and building is critical. Therefore, the Consultant shall develop a detailed construction sequence of work. The construction sequence of work will address the down time that can be accommodated or the need for the Contractor to provide temporary power (generator) to keep the pump station in operation. Responsive bidders will demonstrate an understanding of the intricacies of performing construction on functioning wastewater pump/lift stations and related critical infrastructure.

Project bidding documents are available electronically by contacting Tessa Schutt at schutt@ci.cannon-beach.or.us or 503-436-8048, or can be viewed at City of Cannon Beach, at 163 E Gower, Cannon Beach, Oregon 97110.

All bidders shall comply with the provisions of ORS 279C.800-870 [workers on public works to be paid not less than prevailing rate of wage for projects over \$50,000.00]. Contractors submitting bids are required to be registered with the Construction Contractor's Board.

A non-mandatory pre-bid conference will be held at City Hall, 163 E. Gower St., Cannon Beach, OR 97110 on June 20, 2023 at 11:00 a.m. Statements made by the City's representative at the conference are not

Midway & Siuslaw Pump Station Enclosures Project

binding on the City unless confirmed by written addendum by the City.

Bid security in the amount of not less than 5% of the bid must accompany each bid in accordance with the Instructions to Bidders. The Owner reserves the right to reject any bid not in compliance with all prescribed public bidding procedures and requirements, may reject a bid that does not comply with requirement to demonstrate bidder's responsibility under ORS 279C.375(3)(b), and may reject, for good cause, any or all bids upon a finding of the Owner that it is in the public interest to do so in accordance with ORS 279C.395. The Owner reserves the right to waive any bid irregularities or informalities.

No bidder may withdraw or modify the bidder's bid after the hour set for the opening thereof, until after the lapse of 30 days from the bid opening.

The selected contractor is required to obtain a City business license prior to start of work.

By Order of the
City of Cannon Beach

Schedule & Checklist

| Schedule | |
|---|--|
| ITB ISSUED | June 10, 2023 |
| <u>REQUEST DEADLINE</u> FOR: SUBSTITUTION, CLARIFICATION, OR CHANGE AND SOLICITATION PROTEST DEADLINE | June 28, 2023 |
| LAST ADDENDA ISSUED | July 13, 2023 |
| BIDS DUE/ BID OPENING | July 20, 2023, at 2:00 pm |
| FIRST-TIER SUBCONTRACTOR DISCLOSURE | July 20, 2023, at 4:00 pm |
| NOTICE OF INTENT TO AWARD | July 25, 2023 |
| CITY COUNCIL APPROVAL OF AWARD | August 1, 2023 |
| NOTICE OF AWARD | August 2, 2023 |
| ANTICIPATED CONTRACT START / NOTICE TO PROCEED | August 10, 2023 or sooner; Construction start to be coordinated with City |
| ANTICIPATED SUBSTANTIAL COMPLETION | April 12, 2024 |
| ANTICIPATED FINAL COMPLETION | April 19, 2024 |

Bid Requirements Checklist

The following is a listing of Bid submission components

| | | |
|--|--|----------------------|
| | Signed Bid Form – all pages | Submit with Bid |
| | Bid Security (NOTE SPECIFIC INSTRUCTIONS IN SECTION 1.08.F) | Submit with Bid |
| | Construction Contractors Board License | Submit with Bid |
| | Bidder Responsibility Information Form – all pages | Submit with Bid |
| | First-Tier Subcontractor Disclosure | Submit as per page 2 |
| | Any additional items specified in Supplementary Instructions to Bidders. | Submit with Bid |

NOTE: The City of Cannon Beach reserves the right to deviate from this schedule. With current supply chain issues, the project timeline may need to be adjusted accordingly.

The Bid Requirements checklist is provided for the Bidder's convenience. Bidder is advised to thoroughly review ITB documents to be certain that it has met all requirements and included all required documents, forms and information in its Bid. In the event of a conflict between the Bid Requirements Checklist and other ITB Documents, other ITB Documents shall take precedence.

Instructions to Bidders

1. THE PROJECT:

The work for this project consists of the construction of building additions on both Midway and Siuslaw pump stations as shown on architectural and engineering plans provided as Exhibit F.

In general, the elements of work include, but are not limited to:

Each pump station is engineered and designed in preparation for the arrival of two new, permanent generators as noted in site details attached. Contractor shall construct both locations as designed, shall provide all necessary materials (unless otherwise noted) and shall perform electrical work to accommodate noted generator specs.

Electrical scope of work for each pump station shall include:

1. Ensure all new conduit is placed in the correct location to receive new generator, including transformer;
2. Coordinate existing power service to be placed underground and move electrical meter;
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4. Install all ventilation louvers pertaining to generator.

Electrical scope of work at Midway pump station shall include:

1. 1-4 listed above;
2. Move existing pump leads to avoid new structure.

Maintaining pump station operation during installation of the new onsite generator system and building is critical. Therefore, the Consultant shall develop a detailed construction sequence of work. The construction sequence of work will address the down time that can be accommodated or the need for the Contractor to provide temporary power (generator) to keep the pump station in operation. Responsive bidders will demonstrate an understanding of the intricacies of performing construction on functioning wastewater pump/lift stations and related critical infrastructure.

2. ADDENDA AND INTERPRETATIONS:

No interpretation of the meaning of the plans, specifications or other prebid documents will be made to any bidder orally.

Every request for such interpretation should be in writing and either addressed or emailed to City of Cannon Beach Public Works Department, Attn: Tessa Schutt, PO Box 368, Cannon Beach, OR 97110, schutt@ci.cannon-beach.or.us and to be given consideration must be received at least four days prior to the date fixed for the opening of bids. Any and all such interpretations and any supplemental instructions will be in the form of written addenda to the specifications which, if issued, will be delivered via email or facsimile transmission to all prospective bidders not later than 72 hours prior to the bid opening, at the respective addresses furnished for such purposes.

Failure of any bidder to receive any such addendum of interpretation shall not relieve such bidder from any obligation under the bidder's bid as submitted. All addenda so issued shall become part of the contract documents.

If a Bidder believes that this solicitation is contrary to law, or that the solicitation document is unnecessarily restrictive, is legally flawed or improperly specifies a brand name they may file a solicitation protest within ten (10) days of the closing date. If a Bidder fails to file the protest within ten days of the closing date, the Bidder may not challenge the contract on grounds under this subsection in any future administrative or legal proceeding.

A solicitation protest must be filed in writing with the City Manager and Public Works Director and contain the information required by ORS 279B.405(4).

If the protest is timely filed and meets the requirements listed above, the Owner shall consider the protest and issue a decision in writing within ten (10) days after receipt. Otherwise, the Owner shall promptly notify the Bidder that the protest fails to meet the requirements of this subsection and give the reasons for the failure.

- A. REQUEST FOR APPROVAL OF AN "APPROVED SUBSTITUTION": Bidders shall provide the named product unless another is approved through a substitution request, or a product exemption has been issued (ORS 279C.345). Other brands of quality, merit and utility will be considered upon proper submittal of the request with appropriate documentation:
 - a. Requests must provide all of the information necessary for the City to determine product acceptability.
 - b. Failure to provide sufficient information with the request will cause the request to be rejected.
 - c. Any product subsequently approved for substitution will be listed on an Addenda issued by the City.
 - d. Bidders are advised to use the "Substitution Request" form for such requests. (Section 3, 3.3A).
- B. REQUEST FOR CLARIFICATION: Any Bidder who finds discrepancies in, or omissions from, any provision of the ITB, Plans, Specifications, or Contract Documents, or has doubt as to the meaning, shall make a request for clarification in writing, to the contact listed on Page 2 of the ITB. To be considered, the request for clarification must be received by the Request Deadline as specified in 1.06 B.

- C. REQUEST FOR CHANGES TO CONTRACTUAL TERMS OR SPECIFICATIONS OR PLANS: Any Bidder may submit a request for changes to contractual terms, Plans, or Specifications, in writing, to the contact listed on Page 2 of the ITB. To be considered, the request for changes must be received by the Request Deadline specified in 1.07 B. above. The request must include the specific changes requested, and the reason for requested changes supported by factual documentation, and any proposed changes.
- D. PROTEST OF CONTRACT TERMS AND CONDITIONS OR SPECIFICATIONS: Any Bidder may submit a protest of solicitation terms and conditions, in writing, in accordance with OAR 137-049-0260 to the contact listed on Page 2 of the ITB. To be considered, the protest must be received by the deadline specified in 1.07 B. above. The protest shall include the legal and factual grounds for the protest, a description of the resulting prejudice to the Bidder if the protest is not granted, and a statement of the relief or changes proposed.
- E. RESPONSE TO REQUESTS FOR CLARIFICATION: Clarifications, whether verbal, or in writing, or included in an addendum as "*clarification*", do not change Plans, Specifications, contractual terms, or procurement requirements of an ITB. If a request for clarification raises an issue that the City determines should be handled by formally amending the ITB, the City will do so only by announcing such a change in an Addendum, not through information identified as a "clarification."
- F. RESPONSE TO REQUESTS FOR BRAND APPROVAL, REQUESTS FOR SUBSTITUTION, REQUESTS FOR CHANGE, AND PROTESTS: The City shall promptly respond to each properly-submitted written request for brand approval, request for substitution, request for change, and protest as indicated in the schedule on page 4. Where appropriate, the City will issue ITB revisions via email.
Failure to protest solicitation terms and conditions, Contract terms and conditions or Specifications, as indicated in this section, precludes appeal or protest of a decision to award based upon such solicitation terms and conditions, Contract terms and conditions, or Specifications.
- G. PROTEST OF ADDENDUM: Requests for clarification, requests for change and protests of Addendum must be received by the time and date specified in the Addendum or they will not be considered.

3. TIME OF COMPLETION:

The work to be performed under this contract shall be completed within 250 calendar days after the date of written Notice to Proceed by the Owner to the Contractor with such extensions of time as provided for in the General Conditions.

4. QUALIFICATIONS OF BIDDER AND SUBCONTRACTOR:

The City, at its sole discretion, shall have the right to reject any bid based upon record of past performance, including but not limited to: price and cost data from previous projects, quality of work, ability to meet schedules (which may result in damages to City), cost control and contract administration, including whether there is evidence of satisfactory performance. The City may reject any bid not in compliance with all prescribed public bid procedures and requirements, may reject a bid that does not comply with requirement to demonstrate bidder's responsibility under ORS 279C.375(3)(b), and may reject for good cause any or all bids in accordance with ORS 279B.110.

Each bid must contain a statement as to whether the bidder is a resident bidder, as defined in ORS 279A.120. Contractors submitting bids are required to be registered with the Construction Contractor's Board. All Subcontractors performing work described in ORS 701.005(2) (i.e., construction work) are required to be registered with the Construction Contractors Board or licensed by the State Landscape Contractors Board

in accordance with ORS 701.026 to 701.035 before the Subcontractors commence work under the contract. Contractors or Subcontractors need not be licensed under ORS 468A.720 [asbestos abatement].

The Contractor and every Subcontractor shall each have a public works bond filed with the Construction Contractors Board before starting work on the project, unless exempt under ORS 279C.836(7) and (8).

Each Bidder shall submit a completed Bidder's Responsibility Information Form along with its Bid. The Bidder's Responsibility Information Form will be used to evaluate the qualifications of any Bidder whose Bid is under consideration for Contract Award.

Prior to award and execution of a contract, the City will evaluate whether the apparent successful Bidder meets the applicable standards of responsibility identified in ORS 279C.375. In doing so, the City may investigate Bidder and request information in addition to that already required in this document, when the City, in its sole discretion, considers it necessary or advisable. Submission of a signed Bid shall constitute approval for the City to obtain any information that the City deems necessary to conduct the evaluation.

Bids will be evaluated to identify the lowest responsive Bid submitted by a responsible Bidder that is not otherwise disqualified.

The City may postpone the award of the Contract after announcement of the apparent successful Bidder in order to complete its investigation and evaluation. Failure of the apparent successful Bidder to demonstrate responsibility shall render the Bidder non-responsive and shall constitute grounds for Bid rejection.

Any Bidder who fails to submit a complete Bidder Responsibility Information Form will be deemed to be non-responsive and will not be considered for Award of Contract.

If a Bidder is found not to be responsible, documentation of the reasoning will be sent to the Oregon Construction Contractor's Board (OCCB). Such documentation will be based upon the criteria set forth in ORS 279C.375(3).

The City may reject a bid that does not comply with applicable public contracting procedures and requirements, including the requirement to demonstrate the bidder's responsibility under ORS 279C.375 (3)(b).

5. CONDITIONS OF WORK:

Each bidder must investigate and be fully informed of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of the bidder's obligation to furnish all material and labor necessary to carry out the provisions of this contract. Insofar as possible the Contractor, in carrying out the Contractor's work, must employ such methods or means as will not cause any interruption of work.

7. BIDDER'S REPRESENTATION:

Each bidder is responsible for inspecting the site and for reading and being thoroughly familiar with the Contract Documents. The failure or omission of any bidder to do any of the foregoing shall in no way relieve the bidder from any obligation in respect to the bidder's bid. Each bidder, by submitting a bid, represents that:

- a. The bidder has read and understands the Bidding Documents and the bidder's bid is made in accordance therewith.

- b. The bidder has inspected the site(s), has become familiarized with the site conditions under which the work is to be performed, and has correlated the bidder's observations with the requirements of the proposed Contract Documents.
- c. The bidder's bid is based upon the products, systems, and equipment described in the bidding documents without exception.

8. PREBID MEETING:

A non-mandatory pre-bid conference will be held at 11:00 a.m. on Tuesday, June 20, 2023, at Cannon Beach City Hall, 163 E. Gower Street, Cannon Beach, OR 97110. Statements made by the City's representative at the conference are not binding on the City unless confirmed by written addendum by the City.

9. DISCLOSURE OF FIRST-TIER SUBCONTRACTORS:

In accordance with ORS 279C.370, each bidder must submit in a separate sealed envelope, a completed First-Tier Subcontractor Disclosure Form within two working hours after the date and time of the bid opening. The separate envelope must be clearly labeled "FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM" and shall be marked with the bidder's name, address and project title. The list shall identify any first-tier subcontractors that will be furnishing labor or furnishing labor and materials meeting the minimum amount specified in ORS 279C.370. A bidder shall submit the required disclosure form either with its bid submission or within two working hours after the date and time of the bid closing deadline.

Failure to submit a completed disclosure form in a separate sealed envelope by the disclosure deadline of two working hours after the bid opening time will result in a nonresponsive bid. A nonresponsive bid will not be considered by the Owner for award. The Owner will consider for contract award only those bids for which the required disclosure form has been submitted.

The bidder is specifically advised that any person, firm or party to whom it is proposed to award a subcontract under this contract must be acceptable to the Owner. Substitution of affected first-tier subcontractors shall be made only in accordance with ORS 279C.585. The Contractor shall notify the Owner in writing of all proposed changes in subcontractors prior to making any changes in subcontractors. No subcontractor doing work in excess of 5% of the total amount of the bid, but at least \$15,000, and who is not listed on the disclosure form shall be used without the written approval of the Owner.

Instructions for First-Tier Subcontractor Disclosure Form

Bidders are required to disclose information about certain first-tier subcontractors when the contract value for a Public Improvement project is greater than \$100,000 (see ORS 279C.370). Specifically, when the contract amount of a first-tier subcontractor furnishing labor or furnishing labor and materials on the contract, if awarded, whose subcontract value would be greater than or equal to:

- (i) 5% of the total project bid, but at least \$15,000; or
- (ii) \$350,000 regardless of the percentage of the total project bid;

the bidder must disclose on the disclosure form and submit the following information about the first-tier subcontractors either with the bid submission or within two working hours after bid closing:

- 1) the subcontractor's name,
- 2) the dollar value of the subcontract, and
- 3) the category of work that the subcontractor would be performing.

If the bidder will not be using any subcontractors that are subject to the above disclosure requirements, the bidder is required to indicate "NONE" on the disclosure form.

10. PREPARATION OF BIDS:

Bids shall be submitted on the attached Bid Form. All blanks must be appropriately filled in. Where so indicated by the make up of the Bid Form, sums shall be expressed in both words and figures, and in case of discrepancy between the two, the amount in words shall govern. Bidders shall make no additional stipulations on the Bid Form nor qualify any bid in any manner. Only one copy of the Bid Form is required.

11. BID SECURITY:

Each bid must be accompanied by a cashier's check, a certified check of the bidder, an irrevocable letter of credit issued by an institution as defined in ORS 279C.380, or a bid bond prepared on the form of the bid bond attached hereto, duly executed by the bidder as principal and having as surety thereon a surety company approved by the Owner, in the amount of 5% of the bid. Such bid security will be returned to all except the three lowest bidders within seven days after the opening of bids. The remaining bid security will be returned promptly after the Owner and the accepted bidder has executed the contract. If no award has been made within 30 days after the date of the opening of bids, upon demand of the bidder at any time thereafter, so long as the bidder has not been notified of the acceptance of the bidder's bid, the bid shall be returned. The bid security of the successful bidder will be retained until the Performance Bond and Payment Bond have been executed and approved, after which it will be returned.

12. LIQUIDATED DAMAGES FOR FAILURE TO ENTER INTO CONTRACT:

The successful bidder, upon the bidder's failure or refusal to execute and deliver the contract and bonds required within 10 days after the bidder has received notice of the acceptance of the bidder's bid, shall forfeit to the Owner, as liquidated damages for such failure or refusal, the security deposited with the bidder's bid.

13. SUBMISSION OF BIDS:

Each bid must be submitted in a sealed envelope marked:

"BID ENCLOSED"

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and bearing on the outside the name and address of the bidder. For mailed bids, this sealed envelope may be enclosed in a mailing envelope addressed to the Owner. Bids shall be submitted at the designated location prior to the time and date for receipt of bids indicated in the Advertisement for Bids or any extension thereof made by Addendum. Bids received after the time and date for receipt of bids (the bid closing deadline) will be returned unopened. Oral, telephonic, faxed, or telegraphic submissions of bids are invalid and will not receive consideration.

14. MODIFICATION OR WITHDRAWAL OF BID:

The Contractor may withdraw the Contractor's bid by submitting a written request to withdraw the bid prior to the time of the bid opening. Withdrawn bids may be resubmitted up to the time designated for the receipt of bids provided that they are then fully in conformance with these Instructions to Bidders. Bid Security shall be in an amount sufficient for the bid as modified or resubmitted. A bid may not be withdrawn,

modified or canceled by the bidder for 30 days following the time and date designated for the receipt of bids. Should there be reasons why the contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the Owner and the Bidder. Per OAR-137-047-0440

15. UNBALANCED BIDS:

A materially unbalanced bid is defined as, “a bid which generates a reasonable doubt that award to the bidder submitting a mathematically unbalanced bid will result in the lowest ultimate cost to the Owner.”

A bid will be considered irregular and may be rejected if the Owner determines that any of the unit prices are significantly or materially unbalanced to the potential detriment of the Owner. The Owner will place specific emphasis on its review of bids that appear to be unbalanced, as it may be to the detriment of the Owner, and other bidders who choose not to unbalance their bids. If the Owner finds that a bid is a detriment to the Owner or not in the best interest of the public, the Owner will act by rejecting all such unbalanced bids.

16. CONSIDERATION OF BIDS AND PROTEST OF INTENT TO AWARD:

The Owner shall have the right to reject any or all bids and to reject a bid not accompanied by the required Bid Security or data required by the Bidding Documents, or to reject a bid, which is in any way incomplete or irregular. The Owner shall have the right to waive any informality or irregularity in any bid received and to accept the bid which, in its judgement, is in its own best interest. All work of this project will be awarded as a single general contract to one Contractor. Award will be made to the lowest responsible bidder. In determining the lowest responsible bidder, the Owner will, for the purpose of awarding the contract, add a percent increase on the bid of a nonresident bidder equal to the percent, if any of the preference given to that bidder in the state in which the bidder resides. The Owner shall consider all bids immediately after the bid opening.

The Notice of Intent to Award shall serve as notice to all Bidders that the Owner intends to award the contract.

Adversely affected or aggrieved Bidders shall have **seven (7) calendar** days from the date of the Notice of Intent to Award within which to file a written protest of award. Protests received after that date will not be considered. Protests must specify the grounds upon which the protest is based.

1. Protests must be emailed to Bruce St. Denis & Karen La Bonte at stdenis@ci.cannon-beach.or.us and labonte@ci.cannon-beach.or.us. Protests must comply with CBMC 2.08.160
2. In order to be an adversely affected or aggrieved Bidder, the Bidder must claim to be eligible for award of the contract as the lowest responsible and responsive Bidder and that any and all lower Bids are ineligible to receive contract award.
3. An actual Bidder who is adversely affected or aggrieved by the award of the contract to another Bidder may protest award, in writing, within the timeline established. The written protest shall state the grounds upon which the protest is based and comply with CBMC 2.08.160(A)(2) No protest of award shall be considered after the deadline.
4. Pursuant to OAR 137-049-0260, no protest against award shall be considered because of the content of Bid Specifications, Plans, or contract Terms after the deadline established for submitting protests of Bid Specifications, Plans or Contract Terms.

The City will respond in writing to intent-to-award protests submitted by adversely-affected or aggrieved Bidders within ten (10) days. The City may also respond to intent-to-award protests submitted by other Bidders for purposes of clarification. However, any response provided by the City is not intended to, and shall not in and of itself constitute, confirmation that the bidder is, in fact, adversely affected or aggrieved, and therefore entitled to protest an intent to award, or that the protest was timely filed.

After expiration of the intent-to-award protest period, and resolution of all protests, the City will proceed with final award. (If the City receives only one Bid, the City may dispense with the intent-to-award protest period and proceed with award of a Contract).

17. SECURITY FOR FAITHFUL PERFORMANCE AND PAYMENT:

Simultaneously with delivery of the executed contract, the Contractor shall furnish a surety bond or bonds as security for faithful performance of this contract and for the payment of all persons performing labor on the project under this contract and furnishing materials in connection with this contract, as specified in the General Conditions included herein. The surety on such bond or bonds shall be a duly authorized surety company satisfactory to the Owner.

18. POWER OF ATTORNEY:

Attorneys in fact who sign bid bonds or contract bonds must file with each bond a certified and effective dated copy of their power of attorney.

19. LAWS AND REGULATIONS:

The bidder's attention is directed to the fact that all federal, state and local laws, ordinances, rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout, and they will be deemed to be included in the same as though herein written out in full. All bidders shall comply with the provisions of ORS 279C.840 (Prevailing Wage Rates).

On federally funded projects, all bidders shall comply with the provisions of the Davis-Bacon Act (40 U.S.C. 276a) and the provisions of 40 U.S.C 3141 et seq. No bid will be considered by the Owner unless the bid contains a statement by the bidder that the provisions of ORS 279C.840 or 40 U.S.C. 276a are to be complied with. The public agency shall pay a fee to the Oregon Bureau of Labor and Industries (BOLI) in the amount of one-tenth of 1% of the contract price; however, there is a minimum fee of \$250 and a maximum fee of \$7,500.

20. EXECUTION OF CONTRACT:

The party to whom the contract is awarded will be required to execute the Contract and obtain the performance bond, payment bond and required insurance within 10 calendar days from the date when Notice of Award is delivered to the bidder. The Notice of Award shall be accompanied by the necessary Contract and bond forms. In case of failure of the bidder to execute the Contract, the Owner may at the Owner's option consider the bidder in default, in which case the Bid Security accompanying the bid shall become the property of the Owner. The Owner within 10 days of receipt of acceptable performance bond, payment bond and Contract signed by the party to whom the Contract was awarded shall sign the Contract and return to such party an executed duplicate of the Contract and a written Notice to Proceed. Should the Owner not execute the Contract and issue a written Notice to Proceed within such period, the bidder may by written notice withdraw the bidders signed Contract. Such notice of withdrawal shall be effective upon receipt of the notice by the Owner.

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The Notice to Proceed shall be issued within 10 days of the execution of the Contract by the Owner. Should there be reasons why the Notice to Proceed cannot be issued within such period, the time may be extended by mutual agreement between the Owner and Contractor. If the Notice to Proceed has not been issued within the 10-day period or within the period mutually agreed upon, the Contractor may terminate the Contract without further liability on the part of either party.

Bid Form

BID OF _____ (hereinafter called "Bidder"), organized and existing under the laws of the State _____, doing business as _____.
(Insert "a joint venture", "a corporation", "a partnership" or "an individual" as applicable.)

To City of Cannon Beach
[hereinafter called "Owner"]:

1. The undersigned Bidder, in compliance with your invitation for bids, including the ADVERTISEMENT FOR BIDS and the INSTRUCTIONS TO BIDDERS, for

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- having examined the plans and specifications with related documents and having examined the site of the project work, and being familiar with all the conditions pertaining to the construction of the project, hereby offers to furnish all labor, materials, equipment and supplies necessary to construct the project in accordance with the contract documents within the time set forth therein, and at the unit prices stated below. The prices are to cover all the costs connected with performing the work required under the contract documents, of which this bid is a part.
2. The Bidder submits the unit prices set forth herein as those at which the Bidder will perform the work involved. The extensions in the column headed "Total" are made for the sole purpose of facilitating comparison of bids and if there are any discrepancies between the unit prices and the total amounts shown, the unit prices shall govern.
 3. The Bidder certifies, under penalty of perjury, by the submission of this bid, that all requirements of ORS 279C.838-840 (Prevailing Wage Rate Laws) will be complied with throughout the course of this contract. The Bidder further certifies, under penalty of perjury, that the Bidder is a resident bidder, as defined by ORS 279A.120 (1)(b), of the State of Oregon. The Bidder further certifies, under penalty of perjury, that the Bidder is, to the best of the Bidder's knowledge, not in violation of any tax laws described in ORS 305.380 (4).
 4. The Bidder acknowledges receipt of the following Addenda numbered _____ through _____. The Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of bid security. The Bidder agrees that this bid shall be good and may not be withdrawn for a period of 30 calendar days after the scheduled closing date for receiving bids.
 5. The Bidder agrees to comply with all the federal, state and local laws, ordinances, rules and regulations that are pertinent to construction contracts of this character even though such laws may not have been quoted or referred to in the contract documents.
 6. Upon receipt of written Notice of Award, Bidder will execute the Contract attached within 10 calendar days and deliver a Surety Bond or Bonds as required by the contract documents. The Bid Security accompanying this bid is to become the property of the Owner in the event the contract and bonds are not executed within the time above set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

Midway & Siuslaw Pump Station Enclosures Project

7. The Bidder agrees to commence work under this contract within 10 calendar days after issuance to the Bidder of written Notice to Proceed by the Owner. The Bidder agrees to substantially complete the project on or before the dates or within the number of calendar days indicated in Section 2 of the Contract, with such extensions of time as are provided in the General Conditions. The Bidder accepts the provisions of the Contract regarding liquidated damages (Section 20 of the General Conditions of the Agreement) in the event of failure to complete the work of the project on or before the dates or within the number of calendar days indicated in Section 2 of the Contract, with such extensions of time as are provided in the General Conditions.
8. The Bidder declares that the only persons or parties interested in this bid are those named herein, that this bid is in all respects fair and without fraud, and that it is made without collusion with any other bidder and without collusion with any representatives of the Owner. The Bidder hereby represents that no employee of the Owner, or any partnership or corporation in which an employee of the Owner has an interest, has or will receive any remuneration of any description from the Bidder, either directly or indirectly, in connection, except as specifically declared in writing.
9. The Bidder certifies that the Bidder has not discriminated against minority, women or emerging small business enterprises in obtaining any required subcontracts.
10. The Bidder will complete the work for the following prices in accordance with the Schedule of Contract Prices as follows:

Schedule of Contract Prices

| Base Bid | | | | | |
|-----------------------------|--|----------|-------|-----------------------------|----------------------------------|
| Item | Description | Quantity | Units | Unit Cost (figures only) | Total for Item (figures only) |
| 1. | Midway & Siuslaw Pump Station Enclosures | 1 | LS | | |
| COMPUTED TOTAL FOR BASE BID | | | | | |

The following documents are attached to and made a condition of this bid:

- a. The required Bid Security enclosed with the Bid Form.
- b. The First-Tier Subcontractor Disclosure Form submitted in a separate envelope within two hours after the date and time of the bid opening.
- c. The Bidder Responsibility Information Form.

Respectfully Submitted,

Name of Firm _____

Address _____

Federal Employer I.D. No. _____

State Employer I.D. No. _____

Midway & Siuslaw Pump Station Enclosures Project

State C.C.B. Registration No. _____

Telephone (____) _____

FAX No. (____) _____

By

(Signature)

Name _____

(Please Print)

Title _____

If Corporation, Attest _____
(Secretary of Corporation)

Dated this ____ day of _____, 2023

BIDDER'S RESPONSIBILITY INFORMATION FORM

FAILURE TO SUBMIT THIS FORM WITH BID PROPOSAL PACKET WILL RESULT IN A NON-RESPONSIVE BID

INSTRUCTIONS

1. The information provided in this form is part of The City of CITY inquiry concerning bidder responsibility. Please print clearly or type. If you need more space, use plain paper.
2. Answer all questions. Submission of a form with unanswered questions, incomplete or illegible answers may result in a determination that your bid is non-responsive.
3. Sign and submit the completed bidder responsibility form with bid proposal.

Bidder Name:

CCB #:

1. **EXPERIENCE:** List the number of years Bidder has been operating its business under its current license. If Bidder's business has been in continuous existence under a current active license and a previous license number, then identify the previous license number. List and briefly describe a minimum of 3 similar projects performed by Bidder in the past 5 years that best characterize Bidder's capabilities. Include relevant data such as the type of work involved and project dates and total contract value. Describe how Bidder meets this experience requirement (use separate sheet if additional space is needed):

2. **LAWSUITS/JUDGMENTS:** Within the past 5 years, has Bidder had any lawsuits filed against it involving contract disputes? For the purposes of this request, "lawsuits" include requests for arbitration and "judgments" includes arbitration awards. YES / NO If "YES" indicate dates and ultimate resolution of suit (with regard to judgments, include jurisdiction and date of final judgment or dismissal):

3. **BANKRUPTCY:** Within the past 36 months, has Bidder filed a bankruptcy action, filed for reorganization, made a general assignment of assets for the benefit of creditors, or had an action for insolvency instituted against it? YES / NO If "YES" supply filing dates, jurisdictions, type of action, ultimate resolution, and dates of judgment or dismissal, if applicable:

4. **LAWSUITS BY CREDITORS:** Within the past 24 months, has Bidder had any lawsuits filed against it by creditors? YES / NO If "YES" indicate dates and ultimate resolution of suit (with regard to judgments include jurisdiction and date of final judgment or dismissal):

Midway & Siuslaw Pump Station Enclosures Project

5. **ABILITY TO PERFORM WITHIN TIME SPECIFIED:** List the project titles, original contract time and change order extensions for three specific projects in the past three (3) years. Bidder shall document that it achieved substantial completion of such three projects of similar size and scope within no more than 105% of the final contracted time for completion (including change ordered adjustments).
-
-
-
6. **PROJECTS EXCEEDING COMPLETION DATES:** In the past five (5) years, list the number of project and the titles of those projects where Bidder has exceeded the contracted time for substantial completion or exceeded the contracted time for final completion.
-
-
-
7. **DEFECTIVE WORK.** In the past ten (10) years has your company been ordered to fix defective work on a project? YES / NO If "YES," identify the owner, the project and the resolution of the problem.
-
-
-
8. **DEBARMENT:** Has Bidder been debarred or disqualified by any public agency within the past two (2) years? YES / NO If "YES" identify the public agencies:
-
-
-
9. **NON-COMPLETION:** Has Bidder failed to complete a contract in the last five (5) years? YES / NO If "YES" identify the project(s):
-
-
-
10. **COMPLETION BY SURETY:** Has Bidder ever defaulted on a contract forcing a surety to suffer a loss? YES / NO If "YES" identify the project(s):
-
-
-
11. **SUSPENSION, DISMISSAL, DEFAULT:** Has Bidder been suspended, dismissed or declared in default on a project during the last five (5) years? YES / NO If "YES" identify the project(s) and the type of action taken against Bidder:
-
-
-
12. **BONDABILITY REQUIREMENT:** For the project described under this ITB, Bidder is able to and will obtain a payment bond and a performance bond issued by a surety that is authorized to transact surety business in the State of Oregon and that has an AMBest "A" or better rating. YES / NO If "YES" identify name of surety, contact name, address, phone number, & email address:
-
-

-
13. **LIENS AND SURETY CLAIMS:** Have there been any liens or surety claims against Bidder on any contracts which have been performed or are in the course of being performed? YES / NO If "YES" identify the project and explain the nature of the claims:

14. **REVOKED LICENSE:** Has Bidder's company or any key person in the company, had a license revoked by the Oregon Construction Contractors Board? YES / NO If "YES" explain the underlying reason for the revocation of the license:

15. **CRIMINAL OFFENSE:** Has Bidder's company or any owner of or management employee in the company been convicted of a crime involving fraud, material misrepresentation or any crime involving the awarding of a contract for a government construction project or the bidding or performance of a government contract? YES / NO

16. **DEMAND ON PERFORMANCE BOND:** In the last five years, has an owner ever made a demand on your performance bond? YES / NO

17. **TERMINATION OF BONDING/INSURANCE COVERAGE:** In the last five years, has a surety or insurance company terminated existing bonding and/or insurance coverage due to excessive claims history and/or nonpayment of premiums? YES / NO

18. **CITATIONS OR ENFORCEMENT ACTIONS.** Within the last five years, has the Bidder been cited or subject to any enforcement action for violation of any applicable law or regulations related to its performance of a prior construction contract? For the purposes of this section, "applicable law or regulations" includes without limitation, any building, zoning, environmental, site development, or Oregon Public Contracting Code regulations with which a prior project was required to comply, including non-discrimination regulations and prevailing wage requirements. YES / NO If "YES", please state the date, nature, and final resolution of every such citation or enforcement action:

19. **BONDING.** What is the largest contract you have had bonded through the surety company named in Question #12 above? Please identify the project name, the nature of the project, the date of the project and the original contract price:

BIDDER REFERENCES FOR COMPARABLE PROJECTS IN SIZE AND SCOPE

Bidder shall provide a list of three different project references with their Bid that can be contacted regarding the quality of workmanship and service that the Bidder provided on projects of comparable size and scope within the past 5 years. Bidder must provide all information requested below and may use either the form provided in this section or their own form. The City of Sandy reserves the right to contact other persons, agencies or owners not listed below as part of determining whether Bidder is responsible.

Midway & Siuslaw Pump Station Enclosures Project

| |
|------------------------------------|
| Project Reference #1 |
| Name and Dates of Project: _____ |
| Project Location: _____ |
| Project Description: _____ |
| Contact Person #1 Name: _____ |
| Contact Person #1 Firm Name: _____ |
| Contact Person #1 Phone: _____ |
| Contact Person #2 Name: _____ |
| Contact Person #2 Firm Name: _____ |
| Contact Person #2 Phone: _____ |
| |
| Project Reference #2 |
| Name and Dates of Project: _____ |
| Project Location: _____ |
| Project Description: _____ |
| Contact Person #1 Name: _____ |
| Contact Person #1 Firm Name: _____ |
| Contact Person #1 Phone: _____ |
| Contact Person #2 Name: _____ |
| Contact Person #2 Firm Name: _____ |
| Contact Person #2 Phone: _____ |
| |
| Project Reference #3 |
| Name and Dates of Project: _____ |
| Project Location: _____ |
| Project Description: _____ |

Midway & Siuslaw Pump Station Enclosures Project

| |
|------------------------------------|
| Contact Person #1 Name: _____ |
| Contact Person #1 Firm Name: _____ |
| Contact Person #1 Phone: _____ |
| Contact Person #2 Name: _____ |
| Contact Person #2 Firm Name: _____ |
| Contact Person #2 Phone: _____ |

Bid Bond

We, _____, as "Principal,"
(Name of Principal)

and _____, an _____ Corporation,
(Name of Surety)

authorized to transact Surety business in Oregon, as "Surety," hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns to pay unto the City of Cannon Beach ("Obligee") the sum of (\$_____)

_____ dollars.

WHEREAS, the condition of the obligation of this bond is that Principal has submitted its bid to an agency of the Obligee in response to Obligee's project identified as:

Midway & Siuslaw Pump Station Enclosures Project which bid is made a part of this bond by reference, and Principal is required to furnish bid security in an amount equal to five (5%) percent of the total amount of the bid pursuant to ORS 279C.365 (5) and the procurement document.

NOW, THEREFORE, if the bid submitted by Principal is accepted, and if a contract pursuant to the bid is awarded to Principal, and if Principal enters into and executes such contract within the time specified in the procurement document and executes and delivers to Obligee its good and sufficient performance and payment bonds required by Obligee within the time fixed by Obligee, then this obligation shall be void; otherwise, it shall remain in force and effect.

IN WITNESS WHEREOF, we have caused this instrument to be executed and sealed by our duly authorized legal representatives this _____ day of _____, 2023.

PRINCIPAL: _____ **SURETY:** _____

By _____ BY ATTORNEY-IN-FACT:
Signature

Official Capacity Name

Attest: _____
Corporation Secretary Signature

Address

City State Zip

Phone Fax

First-Tier Subcontractor Disclosure Form

(OAR 137-049-0360)

Bids which are submitted by Bid Closing, but for which a required disclosure submittal has not been made by the specified Disclosure Deadline, are not responsive and shall not be considered for Contract award

AGENCY SUPPLIED INFORMATION:

PROJECT NAME: Midway and Siuslaw Pump Station Enclosures Project

BID #: _____ BID CLOSING: Date: July 20, 2023 Time: 2:00 ☐PM

REQUIRED DISCLOSURE DEADLINE: Date: July 20, 2023 Time: 4:00 ☐PM

Deliver Form To (Agency): City of Cannon Beach

Designated Recipient (Person): Tessa Schutt Phone #: (503) 436-8048

Agency's Address: 163 E Gower/PO Box 368
Cannon Beach, OR 97110

INSTRUCTIONS:

The contracting agency will insert "N/A" above if the contract value is not anticipated to exceed \$100,000. Otherwise this form must be submitted either with the bid or within two (2) working hours after the advertised bid closing date and time; but no later than the DISCLOSURE DEADLINE stated above.

Unless otherwise stated in the solicitation, this document shall not be submitted by facsimile. It is the responsibility of bidders to submit this disclosure form and any additional sheets, with the bid number and project name clearly marked, at the location indicated by the specified disclosure deadline. See "Instructions to Bidders".

List below the Name, Category of Work add Dollar Value for each first-tier subcontractor that would be furnishing labor, or labor and material, for which disclosure is required. Enter the word "NONE" if there are no first-tier subcontractors subject to disclosure. ATTACH ADDITIONAL SHEETS IF NECESSARY.

BIDDER DISCLOSURE:

| SUBCONTRACTOR NAME | CATEGORY OF WORK | DOLLAR VALUE |
|--------------------|------------------|--------------|
| 1. _____ | _____ | _____ |
| 2. _____ | _____ | _____ |
| 3. _____ | _____ | _____ |
| 4. _____ | _____ | _____ |
| 5. _____ | _____ | _____ |

The above listed first-tier subcontractor(s) are providing labor, or labor and material, with a Dollar Value equal to or greater than:

a) 5% of the total Contract Price, but at least \$15,000. [If the Dollar Value is less than \$15,000 do not list the subcontractor above.]

or

b) \$350,000 regardless of the percentage of the total Contract Price.

Form Submitted By (Bidder Name): _____

Contact Name: _____ Phone #: _____

Public Improvement Contract

between

CITY OF CANNON BEACH, OREGON

and

Enter contractor legal name

Contract No. Enter contract number

THIS PUBLIC IMPROVEMENT CONTRACT ("Contract") is made by and between the City of Cannon Beach, a municipal corporation of the State of Oregon ("City"), and Enter contractor legal name ("Contractor") to provide construction services on the following Enter project name ("Project"), briefly described below:

Enter services description

The parties agree as follows:

1. **WORK.**

Contractor shall execute fully the Work described by the Contract Documents, unless specifically indicated in the Contract Documents to be the responsibility of others. "Work" means the construction and any related services required by or reasonably inferable from the Contract Documents, whether completed or partially completed, including (except as otherwise expressly stated in this Contract) all other labor, materials, equipment, tools, permits, fees, licenses, facilities, taxes, transportation, supervision, temporary constructions of every nature, and all other services, management, and facilities of every nature whatsoever necessary to fulfill Contractor's duties by executing and completing this Contract within the Contract Time. The Work may constitute the whole or a part of the Project.

2. **EFFECTIVE DATE AND TERMINATION DATE.**

The effective date of this Contract shall be the Contract Start Date identified in section 2.1. or the date on which each Party has signed this Contract, whichever is later. Unless earlier terminated as provided below, the termination date shall be the Contract End Date, subject to extension as provided in the Contract Documents.

Offer and Contract Dates

2.1. Contract Start Date: Click here to enter a date

"Work" Time Dates

2.2. Anticipated Notice to Proceed Date: Click to enter a date

2.3. Anticipated Substantial Completion Date: Click to enter a date

2.4. Anticipated Final Completion Date: Click to enter a date

2.5. Contract End Date: Click here to enter a date

2.6. "Work" Time in Calendar Days: Enter number of days

PLEASE NOTE: Contractor shall not commence Work under this Contract until the Notice to Proceed has been issued.

3. **ENUMERATION OF CONTRACT DOCUMENTS.**

The "Contract Documents" include the following:

- This Contract with these Terms and Conditions.
- EXHIBIT A: City's General Conditions to the Contract - included in this form

- EXHIBIT B: Insurance Requirements - included in this form
- EXHIBIT C: BOLI Prevailing Wage Rates: January 5, 2023 Prevailing Wage Rate Book
- EXHIBIT D: Enter contractor proposal
- EXHIBIT E: Project Manual
- EXHIBIT F: Drawings
- EXHIBIT G: Addenda

4. **CONTRACT; CONTRACT DOCUMENTS; ENTIRE AGREEMENT.**

This Contract and the other Contract Documents forms the entire and integrated agreement between the parties. Unless the context requires otherwise, any reference to the “Contract” includes the Contract Documents.

5. **THE CONTRACT TIME.**

Contractor shall achieve Substantial Completion of the Work under this Contract within consecutive calendar days (“Contract Time”) from the date specified in City's Notice to Proceed, subject to adjustments of this Contract Time as provided in the Contract Documents.

6. **THE CONTRACT TOTAL.**

6.1. The Contract Total is \$ Enter total maximum contract value including reimbursable expenses. The Contract Total is the total amount payable by the City to Contractor for the completion of the Work in its entirety under the Contract Documents.

6.2. Unit prices if any: List or refer to Exhibit

6.3. Allowances included in the Contract Total, if any: List or refer to Exhibit

6.4. Notwithstanding any other provision of this Contract or the Contract Documents, the Contract Total includes all construction contingencies for existing site conditions other than for pre-existing Hazardous Materials. Contractor is thoroughly acquainted with and has inspected the Project site without restriction, understands the potential risks in this construction Work, and accepts the full risk of construction contingencies to complete the Work within the Contract Time and Contract Total set out in this Contract.

7. **PROGRESS PAYMENTS.**

7.1. The Contractor will submit an application for payment to the City Representative as provided in the General Conditions.

7.2. Each application for payment shall be for one calendar month ending on the last day of the month.

7.3. Payments are due and payable 30 days following receipt of the Contractor’s complete Application for Payment or 15 days from the date after payment is approved by the City Representative, whichever is earlier. Payments due and unpaid under the Contract shall bear interest from the date payment is due at the rate set forth in ORS 279C.570(2).

7.4. The amount of each progress payment shall be determined as provided in the General Conditions, less retainage of 5% pursuant to ORS 279C.550 to 279C.565, ORS 701.420 and 701.430, and less liquidated damages, if any.

7.5. Unless otherwise specified in the Contract Documents, Contractor elects to have the City deposit the retainage as accumulated in an interest-bearing account in a bank, savings bank, trust company, or savings association as outlined in ORS 279C.560(5), OAR 125-249-0820(3), and COH-049-0820(3), from which earnings on such account shall accrue to the Contractor.

8. **INDEPENDENT CONTRACTOR STATUS.**

By its signature on this contract, Contractor certifies that the service or services to be performed under this Contract are those of an independent contractor as defined in ORS 670.600, and that Contractor is solely responsible for the work performed under this Contract. Contractor represents and warrants that Contractor, its subcontractors, employees, and agents are not "officers, agents, or employees" of the City within the meaning of the Oregon Tort Claims Act (ORS 30.260 through 30.300). Contractor shall be responsible for all federal, state, and local taxes and any and all fees applicable to payments for services under this Contract.

9. **REQUEST FOR TAXPAYER IDENTIFICATION NUMBER.**

Contractor must be a current vendor with the City or must submit a completed "Request for Taxpayer Identification Number and Certification" (Form W-9) with this signed Contract. Payment information will be reported to the Internal Revenue Service under the name and TIN or SSN provided by Contractor. Contractor shall be responsible for all federal, state, and local taxes and any fees applicable to payments for Work under this Contract.

10. **COMPLIANCE WITH APPLICABLE LAW.**

Contractor shall comply with all federal, state, and local laws applicable to the Work under this Contract, and all regulations and administrative rules established pursuant to those laws, including without limitation, the following requirements of the Oregon Public Contract Code:

- 10.1. ORS 279A.110 (Non-discrimination Certification): Contractor shall certify that Contractor has not discriminated and will not discriminate against a Subcontractor in the awarding of a subcontract because the Subcontractor is a minority, women, or emerging small business enterprise (certified under ORS 200.055.), or a business that is owned or controlled by, or employs a disabled veteran (as defined in ORS 408.225).
- 10.2. ORS 279C.380 (Performance and Payment Bonds): Unless exempted by the City in writing pursuant to the City's local public contracting rules, prior to starting work under this Contract, Contractor or its Subcontractor shall execute and deliver to City a good and sufficient performance bond, in a form acceptable to City, in a sum equal to 100% of the construction portion of the Contract Price, and Contractor or its Subcontractor shall execute and deliver to City a good and sufficient payment bond, in a form acceptable to City, in a sum equal to 100% of the construction portion of the Contract Price, solely for the protection of claimants under ORS 279C.600.
- 10.3. ORS 279C.505 (Prompt Pay Requirement, Liens, Taxes, and Drug Testing): Contractor shall make payment promptly, as due, to all persons supplying to such Contractor labor or material for the performance of the Work provided for in such Contract; pay all contributions or amounts due the Industrial Accident Fund from such Contractor or Subcontractor incurred in the performance of the Contract; not permit any lien or claim to be filed or prosecuted against the state or a county, school district, municipality, municipal corporation or subdivision thereof, on account of any labor or material furnished; and pay to the Department of Revenue all sums withheld from employees pursuant to ORS 316.167. Contractor shall further demonstrate that an employee drug testing program is in place.
- 10.4. ORS 279C.510 (Recycling/Composting): If this Contract includes demolition work, the Contractor shall salvage or recycle construction and demolition debris, if feasible and cost-effective. If this Contract includes lawn or landscape maintenance, the Contractor shall compost or mulch yard waste material at an approved site, if feasible and cost-effective.

- 10.5. ORS 279C.515 (Failure to Pay Promptly): If Contractor fails, neglects, or refuses to make prompt payment of any Claim for labor or services furnished to the Contractor or a Subcontractor by any person in connection with this Contract as such Claim becomes due, the City may pay such Claim to the person furnishing the labor or services and charge the amount of the payment against funds due or to become due the Contractor by reason of this Contract. The payment of a Claim in the manner authorized in this section shall not relieve the Contractor or the Contractor's surety from any obligation with respect to any unpaid Claims. Unless the payment is subject to a good-faith dispute as defined in ORS 279C.580, if Contractor or any first-tier Subcontractor fails to pay any Claim for materials or labor furnished under this Contract within 30 days after being paid by City, interest shall be due on such claim as specified in ORS 279C.515(2) at the end of the 10-day period that payment is due under ORS 279C.580(4). A person with any such unpaid Claim may file a complaint with the Construction Contractor's Board unless the complaint is subject to a good-faith dispute as defined in ORS 279C.580.
- 10.6. ORS 279C.515(3) (Right to File Complaint): If the Contractor or a Subcontractor fails, neglects or refuses to pay a person that provides labor or materials in connection with the Contract, the person may file a complaint with the Construction Contractors Board, unless payment is subject to a good faith dispute as defined in ORS 279C.580.
- 10.7. ORS 279C.520 and 279C.540 (Hours of Labor, Holidays, and Overtime): Except as otherwise provided in an applicable collective bargaining agreement with a labor organization, Contractor shall not employ and shall require that its Subcontractors not employ any person to perform construction work for more than ten hours in any one day, or 40 hours in any one week, except in cases of necessity, emergency, or where the public policy absolutely requires it, and in such cases, except in cases of Contracts for personal services as defined in ORS 279A.055, the laborer shall be paid at least time and a half pay:
 - 10.7.1. For all overtime in excess of eight hours a day or 40 hours in any one week when the work week is five consecutive days, Monday through Friday; and
 - 10.7.2. For all overtime in excess of ten hours a day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and
 - 10.7.3. For work performed on Saturday and on any legal holiday specified in any applicable collective bargaining agreement or ORS 279C.540(1)(b).
 - 10.7.4. The requirement to pay at least time and a half for all overtime worked in excess of 40 hours in any one week shall not apply to individuals who are excluded under ORS 653.010 to 653.261 or under 29 U.S.C. Section 201 to 209 from receiving overtime. Contractor shall and shall require its Subcontractors to give notice in writing to their employees who work under this Contract, either at the time of hire or before commencement of Work on the Contract, or by posting a notice in a location frequented by employees, of the number of hours per day and days per week that the employees may be required to work.
- 10.8. ORS 279C.525 (Notice of Environmental Regulations): State law requires that solicitation documents for a public improvement contract make specific reference to federal, state, and local agencies that have enacted ordinances, rules, or regulations dealing with the prevention of environmental pollution or the preservation of natural resources that may affect the performance of this Contract. These agencies include, but are not limited to:

- 10.8.1. Federal Agencies: Department of Agriculture, Forest Service, Soil and Water Conservation Service, Coast Guard, Department of Defense, Army Corps of Engineers, Department of Emergency, Federal Energy Regulatory Commission, Environmental Protection Agency, Department of Health and Human Services, Department of Housing and Urban Development, Solar Energy and Energy Conservation Bank, Department of Interior, Bureau of Land Management, Bureau of Indian Affairs, Bureau of Mines, Bureau of Reclamation, Geological Survey, Minerals Management Service, U.S. Fish and Wildlife Service, Department of Labor, Mine Safety and Health Administration, Occupational Safety and Health Administration, Department of Transportation, Federal Highway Administration, and Water Resources Council.
- 10.8.2. State Agencies: Department of Administrative Services, Department of Agriculture, Soil and Water Conservation Commission, Columbia River Gorge Commission, Department of Energy, Department of Environmental Quality, Department of Fish and Wildlife, Department of Forestry, Department of Geology and Mineral Industries, Department of Human Resources, Department of Consumer and Business Services, Land Conservation and Development Commission, Department of Parks and Recreation, Division of State Lands, and Department of Water Resources.
- 10.8.3. Local Agencies: City councils, county courts, county boards of commissioners, metropolitan service district councils, design commissions, historic preservation commissions, planning commissions, development review commissions, special district boards of directors, and other and special governmental agencies such as Tri-Met, urban renewal agencies, and Port districts.
- 10.8.4. Tribal Governments.
- 10.9. ORS 279C.530 (Payment for Medical Care and Workers' Compensation): Contractor shall promptly, as due, make payments to any person, co-partnership, association, or corporation furnishing medical, surgical, and hospital care or other needed care and attention, incident to sickness or injury, to the employees of such Contractor, of all sums which the Contractor agrees to pay for such services and all moneys and sums which the Contractor collected or deducted from the wages of employees pursuant to any law, contract, or agreement for the purpose of providing or paying for such service. All employers, including the Contractor, that employ subject workers who work under this Contract in the State of Oregon shall comply with ORS 656.017 and provide the required workers' compensation coverage, unless such employers are exempt under ORS 656.126. Contractor shall ensure that each of its Subcontractors complies with these requirements.
- 10.10. ORS 279C.545 (Time Limitations on Claims for Overtime): Construction workers employed by the Contractor or its Subcontractor shall be foreclosed from the right to collect for any overtime under this Contract unless a claim for payment is filed with the Contractor or Subcontractor within 90 days from the completion of the Contract, providing the Contractor or Subcontractor has:
 - 10.10.1. Caused a circular clearly printed in blackface pica type and containing a copy of this section to be posted in a prominent place alongside the door of the timekeeper's office or in a similar place which is readily available and freely visible to any or all workers employed on the Work; and
 - 10.10.2. Maintained such circular continuously posted from the inception to the completion of the Contract on which workers are or have been employed.

- 10.11. ORS 279C.580(3) (Prompt Payment of First-Tier Subcontractors): Contractor shall include in each subcontract for property or services with a first-tier Subcontractor a clause that obligates the Contractor to pay the first-tier Subcontractor for satisfactory performance under its subcontract within ten days out of such amounts as are paid to the Contractor by the City. Contractor shall also include in each subcontract a clause that states that if the Contractor fails to pay any claim for materials or labor furnished under this Contract within 30 days after being paid by City, interest shall be due on such claim as specified in ORS 279C.515(2) at the end of the ten-day period that payment is due under ORS 279C.580(3). Contractor shall require each first-tier Subcontractor to include a payment clause and interest clause conforming to the requirements of ORS 279C.580 in each of its subcontracts, and to require each of its Subcontractors to include a similar clause in each contract with a lower-tiered subcontractor or supplier.
- 10.12. ORS 279C.605 (Notice of Claim on Bond): Any person claiming a right of action under ORS 279C.600 must file a notice of claim as provided in ORS 279C.605.
- 10.13. ORS 279C.800 to 279C.870 (Payment of Prevailing Wage Required):
 - 10.13.1. The hourly rate of wage to be paid by Contractor or any Subcontractor to workers in each trade or occupation required for the public works employed in the performance of this Contract shall not be less than the specified minimum rate of wage in accordance with ORS 279C.838 and ORS 279C.840 for each trade or occupation as defined by the Commissioner of the Oregon Bureau of Labor and Industries in the applicable publication entitled Definitions of Covered Occupations for Public Works Contracts in Oregon available at http://www.boli.state.or.us/BOLI/WHI/PWR/pwr_state.shtml.
 - 10.13.2. This contract is subject to the prevailing wage rates published as specified in the City's Invitation to Bid document included in this contract as Exhibit C.
 - 10.13.3. Contractor and all Subcontractors shall keep the prevailing wage rates for this Project posted in a conspicuous and accessible place in or about the Project.
 - 10.13.4. The City shall pay a fee to the Commissioner of the Oregon Bureau of Labor and Industries as provided in ORS 279C.825. The fee shall be paid to the Commissioner under the administrative rule of the Commissioner.
 - 10.13.5. If Contractor or any Subcontractor also provides for or contributes to a health and welfare plan or a pension plan, or both, for its employees on the Project, it shall post notice describing such plans in a conspicuous and accessible place in or about the Project. The notice shall contain information on how and where to make claims and where to obtain future information.
- 10.14. ORS 279C.836 (Public Works Bond Required): Contractor shall:
 - 10.14.1. File a public works bond with the Construction Contractors Board pursuant to ORS 279C.836 before starting work on the Project, unless exempt under ORS 279C.836(2), (7) or (8); and
 - 10.14.2. Include in every subcontract a provision requiring the Subcontractor to file a public works bond with the Construction Contractors Board pursuant to ORS 279C.836 before starting work on the Project, unless exempt under ORS 279C.836(2), (7) or (8).
- 10.15. ORS 279C.845 (Prevailing Wage Certification; Additional Retainage):

- 10.15.1. Contractor and every Subcontractor shall file certified statements with City in writing in the form prescribed by the Commissioner of the Bureau of Labor and Industries, certifying the hourly rate of wage paid each worker whom Contractor or Subcontractor has employed upon such public work, and further certifying that no worker employed upon such public work has been paid less than the prevailing rate of wage or less than the minimum hourly rate of wage specified in the Contract, which certificate and statement shall be verified by the oath of Contractor or Contractor's surety or Subcontractor or Subcontractor's surety that Contractor and any Subcontractor has read such statement and certificate and knows the contents thereof, and that the same is true to Contractor or Subcontractor's knowledge. The certified statements shall set out accurately and completely the payroll records for the prior week including the name and address of each worker, the worker's correct classification, rate of pay, daily and weekly number of hours worked, deductions made, and actual wages paid.
- 10.15.2. The certified statement shall be delivered or mailed by Contractor or Subcontractor to City. Certified statements for each week during which the Contractor or Subcontractor employs a worker upon the public work shall be submitted once a month, by the fifth business day of the following month. Information submitted on certified statements may be used only to ensure compliance with the provisions of ORS 279C.800 to 279C.870. Notwithstanding any other provision of this Contract and in addition to any other retainage required under this Contract, the City shall retain 25% of any amount earned by the Contractor until the Contractor has filed the certified statements with the City as required by this Section. The City will pay the retainage required under this Section within 14 days after Contractor files the certified statements required by this Section.
- 10.15.3. Contractor and each Subcontractor shall preserve the certified statements for a period of three years from the date of completion of the Contract.
- 10.16. ORS 671.560, 701.026 (Landscape/Construction Contractors License Required): If Contractor is performing work as a landscape contractor as defined in ORS 671.520(2), Contractor must have a current, valid landscape contractor's license issued under ORS 671.560. If Contractor is performing work as a Contractor as defined in ORS 701.005(2), Contractor must have a current, valid construction contractor's license issued under ORS 701.026. Contractor shall further certify that all Subcontractors performing Work described in ORS 701.005(2) are registered with the Construction Contractors Board or licensed by the State Landscaping Contractor's Board as required by the above-noted statutes before they commence Work under this Contract. Contractor shall maintain in effect all licenses, permits, and certifications required for the performance of the Work. Contractor shall notify City immediately if any license, permit, or certification required for performance of this Contract shall cease to be in effect for any reason.
- 10.17. ORS 305.385 (Oregon Tax Law Compliance): Contractor must, throughout the duration of this Contract and any extensions, comply with all tax laws of this state and all applicable tax laws of any political subdivision of this state. Contractor (to the best of Contractor's knowledge, after due inquiry), for a period of no fewer than six calendar years preceding the date of this Contract, faithfully has complied with:
 - 10.17.1. All tax laws of this state, including but not limited to ORS 305.620 and ORS chapters 316, 317, and 318;

- 10.17.2. Any tax provisions imposed by a political subdivision of this state that applied to Contractor, to Contractor's property, operations, receipts, or income, or to Contractor's performance of or compensation for any work performed by Contractor;
- 10.18. ORS 279B.230(2) (Oregon Workers' Compensation Law): Contractor and its subcontractors, if any, are subject to Oregon Workers' Compensation Law, which requires all employers that employ subject workers who work under this Contract in the State of Oregon to comply with ORS 656.017 and provide the required workers' compensation coverage, unless such employers are exempt under ORS 656.126. Contractor shall ensure that each of its subcontractors, if any, complies with these requirements (ORS 279B.230(2)).
11. **NOTICE.**
Except as otherwise expressly provided in this Contract, any communications between the parties hereto or notices to be given hereunder shall be given in writing by personal delivery or mailing with postage prepaid to Contractor or City at the address set forth below. Any communication or notice so addressed and mailed shall be deemed to be given five (5) days after mailing. Any communication or notice by personal delivery shall be deemed to be given when actually delivered.
- For the City of Cannon Beach**
Contract Administrator Name, Title: Enter contract administrator's name and title
Address, City, State and ZIP Code: Enter address
Telephone: Enter telephone number
Email: Enter email address
- For the Contractor**
Contract Administrator Name, Title: Enter contract administrator's name and title
Address, City, State and ZIP Code: Enter address
Telephone: Enter telephone number
Email: Enter email address

12. **CONTRACTOR INFORMATION AND CERTIFICATION.**

Contractor shall provide Contractor's Social Security number or Contractor's federal tax ID number and the additional information set forth below. This information is requested pursuant to ORS 305.385 and OAR 125-246-0330. Social Security numbers provided pursuant to this paragraph will be used for the administration of state, federal and local tax laws.

Legal Name: Enter Business Legal name, including DBA, if appropriate

Address, City, State and ZIP Code: Enter Contractor Address and mailing address (if different); if both addresses are the same as in 35, you may enter "see item 35"

Citizenship, if applicable: Non-resident alien? ☐ Yes ☐ No

Business Designation (check one):

☐ Professional Corporation ☐ Partnership ☐ Limited Partnership

☐ Limited Liability Company ☐ Limited Liability Partnership ☐ Sole Proprietorship ☐ Other

Federal Tax ID#: Enter Federal Tax ID number or SSN: Enter SSN if no Federal Tax ID

Oregon CCB License Number: Enter Oregon CCB license number

City may report the information set forth above in conjunction with any reports it makes to the Internal Revenue Service (IRS) under the name and Social Security number or taxpayer identification number provided.

The individual signing on behalf of Contractor hereby certifies and swears under penalty of perjury that: (a) the number shown on this form is Contractor's correct taxpayer identification; (b) Contractor is not subject to backup withholding because (i) Contractor is exempt from backup withholding, (ii) Contractor has not been notified by the IRS that Contractor is subject to backup withholding as a result of a failure to report all interest or dividends, or (iii) the IRS has notified Contractor that Contractor is no longer subject to backup withholding; (c) s/he is authorized to act on behalf of Contractor, s/he has authority and knowledge regarding Contractor's payment of taxes, and to the best of her/his knowledge, (d) Contractor is not in violation of any Oregon tax laws named in ORS 305.380(4). Contractor is an independent contractor as defined in ORS 670.600; and (e) the supplied Contractor data is true and accurate.

Midway & Siuslaw Pump Station Enclosures Project

Contractor has the power and authority to enter into and perform this Contract. The persons executing this Contract on behalf of Contractor have the actual authority to bind Contractor to the terms of this Contract.

FOR THE CITY OF CANNON BEACH:

FOR **Enter Contractor Name:**

Signature

Signature

Name (Printed)

Name (Printed)

Title

Title

Date

Date

EXHIBIT A - GENERAL CONDITIONS

1. GENERAL PROVISIONS.

- 1.1. Contract Documents. The “Contract Documents” are enumerated in Item 3. (“Enumeration of Contract Documents”) of the Public Improvement Contract between City and Contractor (“Contract”) and consist of the Contract, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, additions or deletions to, material changes in, or general interest explanations of a Solicitation Document (“Addenda”) (other than Addenda relating to bidding requirements) issued prior to the bid, other documents listed in the Contract, and Modifications issued after execution of the Contract. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all. Performance by Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the indicated results.
- 1.2. Contract Schedule. The “Contract Schedule” is the graphical representation of the practical plan for carrying out the Work and completing the Work within the Contract Time as set forth in the Contract Documents. The Contract Schedule provides a list of intended events and times to complete each event as set forth in the Contract Documents.
- 1.3. Drawings. The “Drawings” are the graphic and pictorial portions of the Contract Documents showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.
- 1.4. Knowledge. The terms “knowledge,” “recognize” and “discover” their respective derivatives and similar terms in the Contract Documents, when used in reference to the Contractor, means that which the Contractor knows or should know, recognizes or should recognize and discovers or should discover. Analogously, the expression “reasonably inferable” and similar terms in the Contract Documents means reasonably inferable by a contractor familiar with the Project and exercising the care, skill and diligence required of the Contractor by the Contract Documents.
- 1.5. Modification. A “Modification” is
 - 1.5.1. a written amendment to this Contract signed by both parties;
 - 1.5.2. a Change Order;
 - 1.5.3. a Construction Change Directive; or
 - 1.5.4. a written order for a minor change in the Work issued by the Architect.
- 1.6. Organization of Drawings and Specifications. “Organization of Drawings and Specifications” into divisions, sections, articles, or otherwise arranged will not control Contractor in dividing the Work among subcontractors or in establishing the extent of Work to be performed by any trade subcontractor.
- 1.7. Project. The “Project” is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by City and by separate Contractors.
- 1.8. Project Site. The “Project Site” is the property upon which the Project lies and City’s property that surrounds the Project, extending to the City’s property boundary.

- 1.9. Specifications. The “Specifications” are that portion of the Contract Documents consisting of the written requirements for materials, equipment, systems, standards, and workmanship for the Work and performance of related services.
2. **CITY’S RESPONSIBILITIES.**
 - 2.1. Authorized Representative. City shall designate a person in writing to be the authorized representative with express authority, to the extent permitted by law, to bind and communicate on behalf of City with respect to all matters requiring City’s approval or authorization (“City Representative”). The term “City” includes City Representative.
 - 2.2. Contract Administration. City shall provide contract administrative services for the Project through City’s authorized representative. The City Representative may engage and delegate authority to such additional staff and professional and technical consultants as City deems necessary to assist in perform its administrative tasks. Contractor shall direct all Project communications to City and in accordance with the Contract Documents, or as City directs in writing.
 - 2.2.1. City may engage professional architects or engineers to assist City during construction of the Project to interpret technical contract provisions and to determine the amount, quality, acceptability, and fitness of the Work. Such architects or engineers will be authorized to act on behalf of City only to the extent expressly provided in the Contract Documents or as City otherwise directs in writing.
 - 2.2.2. City may engage a consulting construction manager to provide Project administrative services on City’s behalf. Such construction manager will be authorized to act on behalf of City to the extent expressly provided in the Contract Documents or as City otherwise directs in writing.
 - 2.2.3. City may retain certain project inspectors to monitor compliance with Drawings and Specifications for the Project, as well as applicable codes and ordinances. Such project inspectors will be authorized to act on behalf of City to the extent expressly provided in the Contract Documents or as City otherwise directs in writing.
 - 2.3. Access to the Work. City and its designated representatives shall have free access to the Work at all times. Contractor shall not carry on Work except with the knowledge of City and its designated representatives. City may require special inspection or testing of any portion of the Work, whether it has been fabricated, installed, or fully completed. Inspection or observation of Work shall not relieve Contractor from any obligation to fulfill the Contract.
 - 2.4. Right to Stop or Reject Work. City may reject Work that fails to conform to the Contract Documents, as determined by City. If Contractor fails to promptly correct such defective Work, City may issue a written order directing Contractor to stop the Work, or designated portion thereof, until the cause for such order is eliminated. The right of City to stop the Work shall not give rise to a duty on the part of City, or any of its representatives, to discover nonconforming Work or to exercise the right to stop the Work for the benefit of Contractor or any other person or entity.
 - 2.5. Permits and Access. Except for permits and fees that are Contractor’s responsibility under the Contract Documents, City shall secure and pay for all other necessary approvals, easements, assessments and charges required to complete the Work.

- 2.6. Subsurface Surveys. City shall make available to Contractor, and Contractor shall study, the results of such test borings and information that City has concerning subsurface conditions and site geology. Contractor shall inform City of any other site investigation, analysis, study, or test conducted by or for Contractor or its agents and shall make the results available to City upon City's request.
- 2.7. City's Rights. The rights stated in this section and elsewhere in the Contract Documents are cumulative and do not limit any rights City may have under the Contract Documents, at law or in equity. Without limiting the generality of the foregoing sentence, any right City has under the Contract Documents to compel Contractor to fix defective Work, up to and including any warranty period the Contract Documents may establish, does not operate to shorten or otherwise limit statutes of limitations applicable to the Work.

3. **CONTRACTOR'S RESPONSIBILITIES.**

3.1. General Responsibilities.

- 3.1.1. Authorized Representative. Contractor shall designate a person in writing to be the authorized representative with express authority to bind and communicate on behalf of Contractor with respect to all matters requiring Contractor's approval or authorization ("Contractor Representative"). The term "Contractor" means the Contractor or the Contractor Representative.
- 3.1.2. Materials, Equipment, and Services. The Contractor will provide all labor, materials, equipment, and services necessary to complete the Work, all of which will be provided in full accord with the Contract Documents.
- 3.1.3. Supervision and Coordination. Unless otherwise expressly provided in the Contract Documents, the Contractor will be solely responsible for the supervision and coordination of the Work, including the construction means, methods, techniques, sequences, and procedures utilized.
- 3.1.4. Project Correspondence. Contractor shall provide City with a copy of all written communications between Contractor and City's consultants at the same time as that communication is made to such consultants, including, without limitation, all requests for information, correspondence, submittals, notices, and change order proposals. Contractor shall confirm oral communications in writing.
- 3.1.5. Project Boundary. Contractor shall confine operations at the site to areas permitted by law, ordinances, permits, and the Contract Documents and shall not unreasonably encumber the site with materials or equipment.
- 3.1.6. Taxes. Contractor shall pay all applicable taxes for the Work provided by Contractor that are legally applicable at the time the bid is submitted, whether or not yet effective or merely scheduled to go into effect.
- 3.1.7. Permits, Fees and Notices. Except as otherwise provided in the Contract Documents, Contractor shall secure and pay for all permits, licenses, and certificates that are the Contractor's responsibility under the Contract Documents and that are necessary for prosecution of Work before the date of the commencement of the Work or before the permits, licenses, and certificates are legally required to continue the Work without interruption. Contractor shall obtain and pay, when legally required, for all licenses, permits, inspections, and inspection certificates required by any authority having jurisdiction over any part of the Work included in the Contract. Contractor shall deliver all final permits, licenses, and certificates to City before demand is made for final payment.

3.2. Worksite Conditions.

- 3.2.1. Benchmarks and Monuments. Contractor shall protect and preserve established benchmarks and monuments and shall not change locations of benchmarks and monuments without City's prior written approval. Contractor shall replace any benchmarks or monuments that are lost or destroyed subsequent to proper notification of City and with City's approval.
- 3.2.2. Field Verification. Prior to the commencement of the Work, Contractor shall review the Project Site with City in detail and identify the area of the Work, staging areas, connections or interfacing with existing structures and operations, and restrictions on the Work site area. Contractor shall ensure that all forces on the Project Site are instructed about the acceptable working and staging areas and restrictions on use of the site. Contractor, with advance consent of City, shall erect such barriers and devices as are necessary to restrict access within the Work site to authorized areas and to prevent unauthorized access to non-Work areas.
- 3.2.3. Utility Locates. Contractor will be responsible to locate existing utilities and underground facilities that are indicated in the Contract Documents or that are known or reasonably should be known to exist in proximity to the Work. Contractor shall provide timely notice and locate requests with any affected utility or through contact with appropriate notification centers before commencing excavation or demolition Work that Contractor knows or reasonably should know is in proximity to such utilities or facilities. Contractor assumes the sole risk and will be responsible for all delay and expense arising out of Contractor's failure to do so. Contractor acknowledges that utility companies and other third parties owning or managing facilities that may need to be relocated are not City's agents and do not act for the City.

3.3. Responsibility for Performance.

- 3.3.1. Before beginning the Work, Contractor shall examine and compare the drawings and specifications with information furnished by City that are Contract Documents, relevant filed measurements made by the Contractor, and any visible conditions at the worksite affecting the Work.
- 3.3.2. Reporting Inconsistencies. Contractor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, building codes, and rules and regulations, but Contractor shall promptly report any nonconformity it discovers to City. Contractor will be liable to City for damages if it fails, in the exercise of normal diligence, to recognize any error, inconsistency, omission or difference between field conditions and the Contract Documents. Contractor shall promptly report any errors, inconsistencies, or omissions it discovers, as a request for information, in such a form as City or Architect may require. Contractor will not be entitled to any modification in Contract Total or Contract Time solely by the request for information. Contractor shall carefully study and compare all Contract Documents, including Drawings, Specifications, and other instructions and shall at once report, in writing to City any error, inconsistency, or omission that Contractor or its employees or subcontractors may discover. In the event of an inconsistency within or between parts of the Contract Documents, or between the Contract Documents and applicable law, and regardless of whether Contractor reports the inconsistency to the City, the Contractor must: (i) provide the better quality or greater quantity of Work; or (ii) comply with the more stringent requirement as applicable.

- 3.3.3. Unnecessary Inquiries. Contractor is liable for costs incurred by City for professional services for interpretations or decisions of matters where the information sought is equally available to the party making the request.
- 3.4. Construction Materials and Supplies.
 - 3.4.1. Quantities of Materials. Contractor shall provide materials in sufficient quantities on hand at such times as to insure uninterrupted progress of Work and shall store materials properly and protect materials as required.
 - 3.4.2. Complete Assembly. For all materials and equipment specified or indicated in the Drawings, Contractor shall provide all labor, materials, equipment, and services necessary for complete assemblies and complete working systems, functioning as intended. Contractor shall furnish incidental items not indicated on Drawings, nor mentioned in the Specifications, that can be legitimately and reasonably inferred to belong to the Work described, or necessary in good practice to provide a complete assembly or system, as though itemized here in every detail. In all instances, Contractor shall install material and equipment in strict accordance with each manufacturer's most recent published recommendations and specifications. Contractor shall be responsible for appropriately sequencing the Work and for verification of suitability of prior work before subsequent construction activities.
 - 3.4.3. Timely Ordering of Materials. Contractor shall coordinate submittal approvals and place orders for materials and/or equipment so that delivery of same will be made without delays to the Work. Contractor shall, upon City's reasonable request, provide documentary evidence that orders have been placed.
 - 3.4.4. No Right to Lien. Contractor warrants good title to all material, supplies, and equipment installed or incorporated in Work and agrees upon completion of all Work to deliver the site to City, together with all improvements and appurtenances constructed or placed thereon by it, and free from any claims, liens, or charges. Because City's property is public property, Contractor and any person, firm, or corporation furnishing any materials or labor for any Work covered by this Contract, will not have any right to lien any portion of the Project Site or any improvement or appurtenance thereon.
 - 3.4.5. Storage. Contractor and its subcontractors shall obtain City approval before delivering or storing materials or tools on City's premises. Upon approval, Contractor shall store materials and tools so that they do not hamper the operation of equipment or persons and do not present a fire or safety hazard.
- 3.5. Construction Personnel and Supervision.
 - 3.5.1. Supervision. During progress of the Work, Contractor shall keep on the Project Site, and at all other locations where any Work related to this Contract is being performed, a competent project manager, construction superintendent and staff, who are employees of Contractor, to whom City does not object and at least one of whom is fluent in English, written and verbal. Contractor shall provide efficient supervision to the Work, using its best skill and attention. Before commencing the Work, Contractor shall give written notice to City of the name of its project manager and construction superintendent. Contractor is bound by all directions given to Contractor's project manager and/or construction superintendent as if such direction was given to Contractor.

- 3.5.2. Replacement of Supervision. Contractor shall not otherwise remove or replace the construction superintendent or project manager for any reason, including their need to work on other projects, or to take extended vacations, without submitting thirty (30) days' written notice to City. If Contractor's project manager, construction superintendent, or support staff member is no longer employed by Contractor, Contractor shall provide City with notice of the termination of the employment relationship and shall consult with City with respect to replacement personnel.
- 3.5.3. Discipline and Removal. Contractor shall at all times enforce strict discipline and good order among its subcontractors and employees and shall not employ or work any unfit person, or anyone not skilled in work assigned to that person. City may require Contractor to permanently remove unfit persons from Project Site. Contractor shall not employ any person whom City may deem incompetent or unfit on the Project except with the prior written consent of City. City may require removal and replacement of any or all construction superintendents or project managers upon ten (10) days' notice to Contractor.
- 3.5.4. Acts or Omissions. Contractor is responsible to City for acts and omissions of Contractor's employees, subcontractors and their agents and employees, and other persons or entities performing portions of the Work for or on behalf of Contractor or any of its subcontractors.
- 3.5.5. Identification Badges. The Contractor and its subcontractors, and the employees and the agents of any of them shall comply with City's policies and requirements to obtain, display, and return identification badges at any time while they are present on City's property.
- 3.6. Contractor's Construction Master Schedule.
 - 3.6.1. Schedule Required. Within no more than ten (10) days of being awarded the Contract, and before commencing the Work, Contractor shall prepare and submit to City for City's approval a construction master schedule for the Work. The construction schedule shall be in a detailed precedence-style critical path method (CPM) type format, which will include any interim dates that are critical in insuring the timely completion of the Work as provided in the Contract Documents. City shall provide approval or comment on the submitted schedule within seven (7) days. Contractor shall be responsible for amending construction schedule in response to City comments.
 - 3.6.2. Logic. Schedule shall use retained logic during the development and updating of the schedule. Any function that would cause the retained logic of the logic network to be overridden is prohibited unless approved, in writing and in advance, by the Architect and City.
 - 3.6.3. Schedule shall include: date of Notice to Proceed, date of Substantial Completion, and date of Final Completion in accordance with Contract Documents.

- 3.6.4. **Schedule Maintenance.** The schedule shall not exceed the Contract Time for the Work. Contractor shall revise and update the schedule at appropriate intervals, no greater than monthly, or as required by City or the conditions of the Work and Project. Should the Contractor fail to meet any scheduled date as shown on the current Construction Progress Schedule, the Contractor shall promptly notify the City, and if requested, be required at its own expense to submit within five (5) days of the request an updated Construction Progress Schedule. If the Contractor's progress indicates to the City that the Work will not be Substantially Completed within the Contract Time, the Architect and City may require the Contractor develop a Recovery Schedule that adequately demonstrates how the Contractor will, at its own expense, increase its work force and/or working hours to bring the actual completion dates of the activities into conformance with the Construction Progress Schedule and Substantial Completion within the Contract Time. Neither the City nor the Architect will, however, be obligated to review the substance or sequence of the Construction Progress Schedule or otherwise determine whether it is correct, appropriate or attainable.
- 3.6.5. **Submittal Schedule.** Contractor shall prepare and keep current, for City's review and acceptance, a schedule of submittals that is coordinated with the construction schedule and allows City and its consultants reasonable time to review submittals and to provide information necessary for procurement and installation of Work for which allowances are provided under the Contract Documents. City may require Contractor to include preparation of Contract submittals as a line item payment in the schedule of values.
- 3.6.6. **Execution of Schedule.** Contractor shall perform the Work in general accordance with the most recent schedules submitted to and accepted by City. Contractor shall indicate in the schedule updates any Work that is not proceeding according to the schedule and shall provide a written plan of action to bring the Work into compliance with the schedule or to otherwise ensure that the Work will be completed within the Contract Time.
- 3.7. **Documents and Records.**
 - 3.7.1. **Record Documents.** Contractor shall update at least weekly, at the Project Site, or at such other location as City may authorize in writing, one legible copy of all Contract Documents annotated with all changes ("Record Documents"), including but not limited to Addenda, RFIs, ASIs, and Change Orders. Contractor shall also maintain on site a complete record and copy of all approved submittals, shop drawings and product samples. Failure to update in a timely manner as required by this section may result in withholding payment by City. Contractor shall keep these documents in good order and available to City's consultants or representatives and all authorities having jurisdiction. Contractor shall coordinate with City's representatives and consultants and shall submit its verified report(s) according to Oregon law or as required by authorities having jurisdiction. The Contractor shall submit the completed and finalized project record to City in accordance with the contract documents prior to Final Acceptance.

- 3.7.2. Daily Job Reports. Contractor shall maintain at least one (1) set of reports on the Project prepared by Contractor's employee(s) present on site, and which includes following information: a brief description of all Work performed on that day; a summary of all pertinent events and/or occurrences on that day including records of all tests and inspections; a list of all subcontractor(s) working on that day; a list of each Contractor employee working on that day; the total hours worked for each employee; a complete list of all equipment on the Project that day, whether in use or not; the time Work commenced and ended; weather conditions; accidents or injuries; and Work progress made for that day ("Daily Job Reports"). Contractor shall keep the Daily Job Reports current and in good order and shall make current copies available to City upon request.
- 3.7.3. Maintenance of Records after Final Payment. Contractor shall make available at its office at all reasonable times the materials described in this paragraph for the examination, audit, or reproduction until six (6) years after final payment under this Contract: (a) all Daily Job Reports or other Project records of Contractor's project manager(s), construction superintendent(s), and/or project foreperson(s); (b) all certified payroll records and/or related documents including, without limitation, payroll, payment, timekeeping and tracking documents; (c) all books, estimates, records, contracts, documents, bid documents, bid cost data, subcontract job cost reports, and other data of Contractor, any subcontractor, and/or supplier, including computations and projections related to bidding, negotiating, pricing, or performing the Work or Contract modification, in order to evaluate the accuracy, completeness, and currency of the cost, manpower, coordination, supervision, or pricing data at no additional cost to City. These documents may be duplicative and/or be in addition to any bid documents held in escrow by City.
- 3.7.4. Submittals. Contractor shall submit shop drawings, product data, samples and mock ups as required by the Contract Documents that have been verified and coordinated with the requirements of the Work and of the Contract Documents. Contractor shall not perform any portion of the Work until the submittals for that portion have been approved by City.
- 3.7.5. Professional Design Services. City will not require Contractor to perform professional services which constitute the practice of architecture, engineering, or surveying unless such services are specifically required by the Contract Documents as a part of the Work or unless Contractor must provide such services in order to carry out Contractor's responsibilities under the Contract. City shall specify performance and design criteria that such professional services must satisfy.
- 3.7.6. Ownership of Documents. All copies of Drawings, Specifications, and copies of other incidental architectural and engineering work, or copies of other Contract Documents furnished by City or generated by Contractor, including those in electronic form, are the property of City.
- 3.7.7. Copyright and License. Neither Contractor nor any subcontractor, or material or equipment supplier, will own or claim a copyright in the documents prepared by the City's consultants. City hereby grants Contractor, subcontractors, sub-subcontractors, and material or equipment suppliers a limited license to use applicable portions of the Drawings and Specifications prepared for the Project in the execution of their Work under the Contract Documents.

- 3.7.8. Royalties, Licenses and Copyrights. Contractor shall obtain and pay, when required by law, all royalties and license fees necessary for prosecution of Work before the earlier of the date of the commencement of the Work or the date the license is legally required to continue the Work without interruption. Contractor shall defend suits or claims of infringement of patent, copyright, or other rights and shall hold City, City's consultants, and City's representatives harmless and indemnify them from loss on account of claims for infringement to the extent Contractor knew, or with reasonable diligence should have known, that the use of a specified design, process, or product would constitute infringement.
- 3.7.9. Intellectual Property. The review by City or Architect of any method of construction, invention, appliance, process, article, device, or material of any kind is limited to a review for adequacy for the Work and is not approval for use by Contractor in violation of any patent or other rights of any person or entity.
- 3.8. Tests and Inspections.
 - 3.8.1. Tests, inspections and approvals of portions of the Work shall be made as required by the Contract Documents and by applicable laws, statutes, ordinances, codes, rules and regulations or lawful orders of public authorities.
 - 3.8.2. Unless otherwise provided, Contractor shall arrange for such tests, inspections, and approvals, and shall bear the associated costs. Contractor shall notify City of scheduled tests and/or inspections and approvals, so that City or its designated representative may be present for such procedures, which presence shall be at City's expense.
 - 3.8.3. Contractor shall not incorporate any material into the Work that has not satisfied all testing, inspection, or approval requirements of the Contract Documents.
 - 3.8.4. Contractor shall secure and promptly deliver required certificates of testing, inspection or approval to City, unless otherwise provided by the Contract Documents.
 - 3.8.5. If testing, inspection, or approval required by the Contract Documents, or otherwise required by City, reveal failure of the Work to comply with requirements of the Contract Documents, all costs made necessary by such failure, including those of repeated procedures and compensation of City's costs, shall be at Contractor's expense.
- 3.9. Work Under the Contract.
 - 3.9.1. Defective Work. At City's sole option, Contractor shall repair or replace any and all Work, together with any other Work that may be displaced in doing so, that may prove defective in workmanship and/or materials within a one (1) year period from Substantial Completion of the Work without expense whatsoever to City. In the event Contractor fails to commence and diligently pursue such replacements or repairs within ten (10) days after being notified in writing, Contractor hereby acknowledges and agrees that City may correct such defects, without voiding any guarantee or warranty, at Contractor's expense. Payment shall become due upon City's demand, and shall be an obligation secured by Contractor's performance bond.

- 3.9.2. Correction of Work. If, in the opinion of City, defective Work creates an exigent or dangerous condition or requires immediate correction or attention to prevent injury to persons or property or to prevent interruption of City operations, City may, upon making a good faith attempt to notify Contractor, proceed to make some or all replacements or repairs as may be reasonably required in the circumstances. The costs of such work will be charged against Contractor and shall become due upon City's demand.
- 3.9.3. Manufacturer's Warranties. The above provisions do not in any way limit the guarantees on any items for which a longer guarantee is specified or on any items for which a manufacturer gives a guarantee for a longer period. Contractor shall furnish to City all appropriate guarantee or warranty certificates as indicated in the Specifications or upon request by City. Contractor shall obtain and preserve for the benefit of City, manufacturer's warranties on material, fixtures, and equipment incorporated into the Work. Contractor shall furnish City with all guarantee or warranty certificates as indicated in the Specifications or upon City's request.
- 3.9.4. Cutting and Patching. Contractor shall do all cutting, fitting, patching, and preparation of Work as required to make its several parts come together properly, to fit it to receive, or be received by work of other Contractors, and to coordinate tolerances to various pieces of work, showing upon, or reasonably implied by, the Drawings and Specifications for the completed structure, and shall conform them as City may direct.
- 3.9.5. Alteration of Work by Contractor or Others. Contractor shall not endanger any Work performed by it or anyone else by cutting, excavating, or otherwise altering Work and shall not cut or alter Work of any other Contractor except with consent of City.
- 3.9.6. Cleaning up. Contractor shall keep the Project Site and surrounding area, including public rights of way, free from dust, mud, dirt, or accumulation of waste materials or rubbish caused by operations under the Contract. At completion of the Work, Contractor shall clean the site, streets, and sidewalks and shall remove from the Project waste materials, rubbish, Contractor's tools, construction equipment, machinery, and surplus materials.
- 3.9.7. Access to Work. Contractor shall provide City and its representatives access to the Work in preparation and progress wherever located.
- 3.10. Allowances.
 - 3.10.1. Contractor shall include all allowances stated in the Contract Documents in the Contract Total. Unless the Contract Documents provide otherwise, Contractor shall include in the Contract Total, separate from allowances, amounts necessary to cover the cost of materials and equipment delivered at the site and all required taxes, less applicable trade discounts, Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses contemplated for stated allowance. City shall adjust the Contract Total through a Change Order whenever costs are more than allowances. City shall provide a Change Order amount that reflects the difference between the actual cost and the allowance.
- 3.11. Warranty.

- 3.11.1. Contractor warrants to City and Architect that materials and equipment furnished under the Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform to the requirements of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. Contractor's warranty excludes remedy for damage or defect caused by abuse, modifications not executed by Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by Architect or City, Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.
- 3.11.2. Contractor guarantees all work against defects in material or workmanship for a period of one (1) year from the date of substantial completion.
- 3.11.3. If, after 10 days' notice, Contractor fails to proceed to cure any breach of this warranty, City may have the defects corrected and Contractor and its surety shall be liable for all expenses incurred. In case of an emergency, where, in the opinion of City or Architect, delay would cause serious loss or damage, corrective work may be undertaken without advance notice to Contractor; but Contractor and its surety shall remain liable for all expenses incurred. The remedies stated in this subsection are not exclusive, but are cumulative of any other remedies City may have.
- 3.11.4. Contractor shall assign, and shall obtain from subcontractors and assign, all manufacturers' warranties to City and all guarantees and warranties of goods supplied under this Contract shall be deemed to run to the benefit of City. Contractor shall provide City with all manufacturers' warranty documentation and operations and maintenance manuals not later than the date of Final Acceptance of the Work by the City.

4. **SUBCONTRACTORS.**

- 4.1. Subcontractor Disclosure. Contractor shall provide City a list of all subcontractors and major suppliers with a name, address, telephone and fax numbers, Oregon license number(s), classification, and monetary value of each subcontract for labor, material, or equipment. If City objects, City shall promptly provide a written notice of objection. Contractor shall not contract with a proposed person or entity to which City reasonably objects or that is ineligible to receive a subcontract under ORS 279C.860, and shall procure a replacement subcontractor that is acceptable to City. City shall provide a Change Order before commencement of substitute subcontractor's Work for the increase or decrease in the Contract Total and Contract Time occasioned by such change, unless the subcontractor is ineligible under ORS 279C.860, and Contractor shall be fully responsible for performance of the substituted subcontractor under the Contract Documents. Contractor shall be solely responsible to determine whether any proposed subcontractor is eligible.
- 4.2. Pass-Through. Contractor shall require each subcontractor, by written agreement, to be bound to Contractor by terms of this Contract to the extent it applies to the Work performed by subcontractor. Contractor shall provide copies of subcontract agreements upon City's request.
- 4.3. No Waiver. City's consent or failure to object to any subcontractor does not relieve Contractor of any obligations under this Contract and is not a waiver of any provisions of this Contract. A waiver is not effective unless it is in writing and is signed by the City.

- 4.4. Substitution and Assignment. Contractor shall not, without City's written consent:
 - 4.4.1. Substitute any person as a subcontractor in place of the subcontractor designated in the original bid.
 - 4.4.2. Permit any Subcontract to be assigned or transferred, or allow any portion of the Work to be performed by anyone other than the subcontractor listed in the original bid; or
 - 4.4.3. Sublet or subcontract any portion of the Work in excess of one-half of one percent (1/2 of 1%) of Contractor's total bid as to which his original bid did not designate a subcontractor.
 - 4.5. Coordination of Work. Contractor shall coordinate the trades, subcontractors, sub-subcontractors and material or equipment suppliers working on the Project.
 - 4.6. Subcontractor Dispute Resolution. Contractor shall settle any difference between Contractor and its subcontractor(s) or between subcontractors.
 - 4.7. Assignment. Contractor shall include assignment provisions in each subcontract as indicated in the termination provisions set forth in these General Conditions.
 - 4.7.1. Contingent Assignment of Subcontractors. Contractor shall assign to City each subcontract agreement for a portion of the Work provided that:
 - 4.7.1.1. Assignment is effective only after termination of this Contract by City for cause or stoppage of the Work by City, and only for those subcontract agreements which City accepts in its sole discretion by notifying the subcontractor and Contractor in writing; and
 - 4.7.1.2. Assignment is subject to the prior rights of the surety, if any, obligated under bond relating to this Contract.
 - 4.7.2. Upon such assignment, if the Work has been suspended for more than thirty (30) days, City shall equitably adjust subcontractor's compensation for increases in cost resulting from the suspension.
 - 4.8. Prompt Payment of Subcontractors. Contractor shall promptly pay subcontractors as required by the Contract.
5. **CONSTRUCTION BY CITY.**
- 5.1. Other Contractors. City may let other contractors perform work with its own forces, in connection with the Project. Contractor shall afford other contractors reasonable opportunity for introduction and storage of materials and execution of their work and shall properly coordinate and connect the Work with the work of other contractors. If Contractor claims that delay or additional cost is involved because of such action by City, Contractor shall make such claim in the manner provided in the Contract Documents.
 - 5.1.1. Contractor shall protect the work of other contractors that it encounters while working on the Project.

- 5.1.2. If any part of Contractor's Work depends upon completion of the work of City or others for proper execution, Contractor shall inspect and promptly report to City any discrepancy or defective condition in such work. Contractor's failure to inspect and report will be deemed acceptance of all work of others as fit and proper for reception of Contractor's Work. Contractor is liable for damages for work of others that Contractor failed to inspect, except for defects that were not discoverable and may develop in City's or any other contractor's work after execution of Contractor's Work.
- 5.2. Mutual Responsibility. Contractor shall reimburse City for costs incurred by City which are payable to a separate contractor because of delays, improperly timed activities or defective construction of Contractor. City shall reimburse Contractor for costs incurred by Contractor because of delays, improperly timed activities, and damage to the Work or defective construction of a separate contractor.
- 5.3. City's Right to Clean Up. If a dispute arises among Contractor, separate contractors and City as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, City may clean up and the City shall allocate the cost among those responsible.
- 6. **CHANGES IN THE WORK.**
 - 6.1. Change Orders.
 - 6.1.1. Change Order. A document prepared by the City Representative and signed by the City, the City Representative, the Architect, and the Contractor or assigned designee, stating their agreement upon all of the following: (1) a change in the Work; (2) the amount of the adjustment in the Contract Total, including all costs, overhead and profit, if any; and (3) the extent of the adjustment in the Contract Time, if any, issued after the effective date of the Contract.
 - 6.1.2. A Proposed Change Order (PCO) is a document prepared by the Contractor to seek additional compensation and/or time from the City. The Contractor shall provide a written PCO narrative explaining its reasons for requesting additional compensation or time. The written PCO narrative shall reference all related schedule activities and contract specification sections and drawings directly pertaining to the PCO, include all costs, overhead and profit.
 - 6.1.3. Change Pricing. In the absence of applicable unit prices or other agreement, the changed work will be priced in accordance with the following provisions:
 - 6.1.3.1. In no case shall the sum of the individual markups applied to a General Contractor's Modification exceed fifteen percent (15%), regardless of the number of Subcontractor tiers involved in performing the Work.
 - 6.1.3.2. The total combined mark-up for a Subcontractor and his lower-tier Subcontractor shall not exceed ten percent (10%). Costs of tax and insurance shall not be marked up.
 - 6.1.3.3. For work perform by a subcontractor, the subcontractor will receive 10% markup for direct costs. The General Contractor shall receive a five percent (5%) of the subcontractor's direct costs for processing.
 - 6.1.3.4. For self-performed work by the General Contractor, the markup shall equal fifteen percent (15%) of the direct cost as defined herein.
 - 6.1.3.5. Bonding may be increased a maximum of one percent (1%) provided the Contractor demonstrates to the City a requirement to increase bonding.

6.1.3.6. If the net value of a change results in a credit from the Contractor or subcontractor, the credit shall be the actual net cost, plus five percent (5%) for overhead and profit. When both additions and credits covering related work or substitutions are involved in any one change, the allowance for overhead and profit shall be figured on the basis of the net increase or decrease, if any, with respect to the change.

6.1.4. Equipment Costs:

6.1.4.1. The allowance for equipment costs (both rental as well as Contractor owned equipment) shall be based on actual and verified rental company rates. Hourly, daily, weekly, or monthly rates shall be used, whichever is lower. Hourly rates including operator shall not be used. Unless otherwise specified, manufacturer's ratings and manufacturer approved modifications shall be used to classify equipment for determination of applicable rental rates.

6.1.4.2. The actual time to be paid for equipment shall be the time that the equipment is in productive operation on the Work under Contract Modification. In computing the hourly rental of equipment, any time less than thirty (30) minutes shall be considered one half (1/2) hour. No payment will be made for time while equipment is inoperative due to breakdown, or for non-workdays. In addition, the rental time shall not include the time required to move the equipment to and from the Project Site. No mobilization or demobilization will be allowed for equipment already on site. If such equipment is not moved by its own power, then loading and transportation costs will be paid in lieu of rental time thereof. However, neither moving time nor loading and transportation costs will be paid if the equipment is used on the Project Site in any other way than upon the work directly related to the Contract Modification.

6.1.5. Small Tools. Individual pieces of equipment having a replacement value of two thousand dollars (\$2,000) or less shall be considered to be small tools or small equipment, and no payment will be made since the costs of these tools and equipment is included as part of the markup for overhead and profit defined herein.

6.1.6. Labor rates will not be recognized when in excess of the applicable prevailing wage rate pursuant to ORS 279C.800 to 279C.870 or wage established in any applicable collective bargaining agreement, whichever is higher. The costs for all supervision, including general superintendents and foreman, shall be included in the markup defined herein. Working foreman will be considered a direct cost if the individual is on the Project Site only installing Work under Contract Modification with no other work being performed at the time. A breakdown of the payroll rates for each trade used for Contract Modifications shall be furnished to the City within thirty (30) calendar days of the Contract Notice to Proceed.

6.1.7. Premium Time Rate. Shall be the difference between the Overtime Hourly Rate and Straight Time Rate per specific trade and classification as more fully defined herein. City will pay taxes on the Premium Time Rate only. The Premium Time Rate shall be paid without overhead and profit calculated against the differential.

- 6.1.8. Material costs directly required for the performance of the Contract Modification. Such costs may include the cost of transportation. If a trade reduction by an actual supplier is available to the Contractor, it shall be credited to the City. If the materials are obtained from a supplier or source owned wholly by or in part by the Contractor, payment thereof will not exceed the current wholesale price for the materials. The term trade reduction includes the concept of cash discounting.
- 6.1.9. Agreement on Change Order. Agreement on any Change Order is a final settlement of all matters relating to the change in the Work that is the subject of the Change Order, including, but not limited to, all direct and indirect costs associated with such change and any and all adjustments to the Contract Total and the construction schedule.
- 6.1.10. Additional Credits. Contractor shall credit all trade discounts, rebates, refunds, and returns from the sale of surplus material to City
- 6.1.11. Cost Accounting Records. Contractor shall provide all cost accounting records to City upon City's request.
- 6.2. Construction Change Directives. A Construction Change Directive is a written order signed by City, directing a change in the Work prior to agreement on adjustment, if any, in the Contract Total or Contract Time, or both. City may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract, the Contract Total and Contract Time being adjusted accordingly. City and Contractor may use a Construction Change Directive in the absence of total agreement on the terms of a Change Order. Upon receipt of a Construction Change Directive, Contractor shall promptly proceed with the change in Work directed and shall advise City of Contractor's agreement or disagreement with the proposed method, if any, provided in the Construction Change Directive for adjustment in the Contract Total or Contract Time.
 - 6.2.1. Force Account. When a definite price has not been agreed upon in advance and it is to be paid on a force account basis, City may establish a not-to-exceed budget. Contractor shall submit daily all direct costs necessarily incurred and paid for labor, material, equipment, permit fees, taxes, and increased costs of bonds and insurance related to the Work for approval by City. Contractor shall not exceed the budget unless City specifically authorizes the overrun in writing. City shall pay only for actual costs verified in the field by City on a daily basis. When City and Contractor reach agreement upon the adjustment for price and time, Contractor and City shall prepare and execute an appropriate Change Order.
 - 6.2.2. Negotiating Changes. If City and Contractor are unable to agree upon change order terms, or if in the opinion of City the Work must proceed before an agreement can be negotiated, City may order Contractor to proceed with the changes, and Contractor shall comply. In such event, Contractor shall keep detailed daily records as to all labor employed in connection with the changes. Contractor's records will itemize costs for labor, materials, equipment rental, and transportation. Contractor shall submit the records for approval to the City. If Contractor fails to keep such records, all such Work will be deemed to have been performed at Contractor's own expense. City and Contractor shall attempt to negotiate fair and reasonable adjustments to the Contract for changes in the Work. Contractor shall submit to City all evidence in support of Contractor's proposals.

- 6.2.3. Markup. No fee or other markup of any kind will be applicable to any premium portion of wages, taxes, or related benefits. In the event of addition or deletion of like items in a change order or change directive, the like item quantity will be summed and the unit prices or the percentage fee will be applied to the total.
- 6.2.4. Written Authorization Required. In no event shall Contractor proceed with changes in the Work without a written order from City to so proceed. City will be under no obligation to pay for unauthorized extra, additional, or changed Work performed by Contractor without a written Change Order, Construction Change Directive, or other written order to proceed duly authorized and executed by City.
- 6.2.5. Minor Changes. Contractor shall promptly carry out minor changes in the Work issued through written order of City's representative, through the authority granted to it by City, not involving adjustment in the Contract Total or extension of the Contract Time, and not inconsistent with the intent of the Contract Documents.

7. **TIME.**

- 7.1. Time is of the Essence. Time limits stated in the Contract Documents are of the essence of the Contract. Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.
- 7.2. No Work Without Insurance. Contractor shall not, except by written direction by City, prematurely commence operations on the site or elsewhere prior to the effective date of insurance to be furnished by City and Contractor. The date of commencement of the Work is not changed by the effective date of insurance.
- 7.3. Notice to Proceed. City shall issue a Notice to Proceed within a reasonable time following the date of execution of this Contract. To the maximum extent permitted by law, Contractor is not entitled to additional compensation as a result of a postponement of the issuance of Notice to Proceed. The Parties acknowledge the sole remedy for the Contractor in such circumstances is an extension of Contract Time to achieve Substantial Completion.
- 7.4. Working Hours. Contractor shall perform Work during regular working hours as permitted by City. Contractor shall, when required to achieve Substantial Completion within the Contract Time, Work outside of regular working hours such as evenings and/or weekends at no additional cost to City. Contractor shall perform all evening and/or weekend work only upon City's advance approval and in compliance with all applicable rules, regulations, laws, and local ordinances including, without limitation, all noise and light limitations.
- 7.5. Delays and Extensions of Time.

- 7.5.1. Float and Slack. Float or slack is the amount of time between the early start date and the late start date, or the early finish date and the late finish date, of any activity in the schedule. Any float time to activities not on the critical path shall belong to the Project, and may be used by the Project to optimize its construction process. Any float time between the end of the final construction activity and the final completion date shall belong to the City, and may be used by the City in determining if additional contract days are to be awarded for changes in the contract or for delays to the contract caused by the City. The Contractor will not be entitled to any adjustment in the Contract Time, the Construction Schedule, or the Contract Total, or to any additional payment of any sort by reason of the City's use of float time between the end of the final construction activity and the final completion date or by reason of the loss or use of any float time, including time between the Contractor's anticipated completion date and end of the Contract Time, whether or not the float time is described as such on the Construction Progress Schedule.
- 7.5.2. Adverse Weather. Contract Time is determined with consideration given to the average climate weather conditions prevailing in the County in which the Project is located during any given month as published by the National Oceanic and Atmospheric Administration (NOAA) and averaged over the past 10 years. Contractor may request a time extension for adverse weather if it causes delays that unreasonably increase the labor required to complete the scheduled tasks on the day affected by adverse weather not reasonably anticipated. Contractor shall not be allowed an increase in Contract Total for the delay. Contractor shall work additional days if necessary at no cost to City, irrespective of adverse weather, to maintain access and the Contract Schedule, and to protect the Work from the effects of Adverse Weather.
- 7.5.3. Extensions of Time. Extensions of Contract Time will be permitted for a delay only to the extent the delay: (1) is not caused or could not have been anticipated by the Contractor; (2) could not be limited or avoided by the Contractor's timely notice to the City of the delay or reasonable likelihood that a delay will occur; and (3) is of a duration not less than one day. Such occurrences may include industry-wide labor dispute, fire, unavoidable casualties, adverse weather conditions not reasonably anticipated, or other occurrences that City determines may justify delay. Any extension the City grants will be net of any delays caused by or due to the fault or negligence of Contractor, and net of any contingency or "float" allowance included in the Progress Schedule. Contractor will not be allowed an increase in Contract Total for an extension of Contract Time. The Contractor shall be deemed to have control over the supply of labor, materials, equipment, methods, techniques and over the Contractor's subcontractors and suppliers.
- 7.5.4. Requests for Extension. Contractor shall submit requests for extension of time in writing and shall include (a) the duration of the activity relating to changes in the Work and the resources, including manpower, equipment, and material, required to perform the activities within the stated duration; (b) specific logical ties to the Contract Schedule for the proposed change showing the activities that are affected by the change and/or delay; and (c) recovery schedule.

8. **PROTECTION OF PERSONS, PROPERTY, AND THE ENVIRONMENT.**

- 8.1. Safety Program. Contractor shall initiate, maintain, and supervise all safety precautions and programs in connection with performance of the Contract. Contractor is solely and completely responsible for conditions of the Work site, including safety of all persons and property during performance of the Work, including the property of third-parties and real and personal property outside the Project area. This requirement will apply continuously and is not limited to normal working hours.
- 8.2. City's Policies. This Contract and all individual contracts and purchase orders incorporate by this reference City's safety policies current as of the date of commencement of Work, which have been or will be made available to Contractor.
- 8.3. Subcontractor Safety. Contractor shall review with all subcontractors the methods, materials, tools, and equipment to be used to verify their compliance with all safety standards and laws and Contractor shall comply with them, to ensure safe, hazard-free conditions for all persons visiting or working on the entire Project Site and City's adjoining facilities. Contractor shall implement and maintain a safety program that is specifically adapted for the Project and complies with all applicable requirements of Oregon OSHA. Contractor shall furnish a copy of the safety program to City before commencing Work.
- 8.4. MSDS Sheets. Contractor shall provide Material Safety Data Sheets to City for all chemicals used on the Project Site as required by law.
- 8.5. Safety Coordinator. Contractor shall designate a responsible member of its organization on the Project, whose duty is to post information regarding protection and obligations of workers and other notices required under occupational safety and health laws, to comply with reporting and other occupational safety requirements, and to protect the life, safety, and health of workers. Contractor shall report the name and position of person so designated to City.
- 8.6. Correction of Unsafe Conditions. Contractor shall correct any violations of safety laws, rules, orders, standards, or regulations. Contractor shall correct violations promptly upon the issuance of a citation or notice of violation by the Division of Occupational Safety and Health.
- 8.7. Personal Protection Equipment. Contractor's personnel and all workers shall wear personal protective equipment at all times. Contractor shall maintain supplies of protective equipment sufficient to properly equip all employees and visitors.
- 8.8. Safety Devices. Contractor shall take, and require subcontractors to take, all reasonably necessary precautions for safety of workers on the Project. Contractor shall furnish, erect, and properly maintain at all times, all necessary safety devices, safeguards, construction canopies, signs, nets, barriers, lights, and watchmen for protection of workers and the public and shall post danger signs warning against hazards created by such features in the course of the Work.
- 8.9. Barricades and Signage. Contractor shall post necessary warning signs and barricades to ensure the safety of all occupants. Contractor shall not display any signs not required by law or the Contract Documents without City's prior written approval.
- 8.10. Labeling of Containers. Contractor shall ensure proper labeling of substances on the Project Site.

- 8.11. Storage. Contractor shall confine apparatus, the storage of materials, and the operations of workers to limits indicated by law, ordinances, permits, or directions of City, and shall not interfere with the Work or unreasonably encumber the Project Site or overload any structure with materials. Contractor shall enforce all instructions of City regarding signs, advertising, fires, and smoking, and require that all workers comply with all regulations while on Project Site
- 8.12. Protection of Work. Contractor shall protect the Work, including stored materials and equipment, from all damage or harm, including damage from heat, cold, rain, snow, wind, flooding, and dampness. Contractor shall provide and maintain temporary roofs, window and door coverings, enclosures, or other construction reasonably required to protect the Work at all times during the course of construction. Contractor shall take all additional steps reasonably necessary, or as directed by City, to protect the Project, the Site, and the Work from damage associated with anticipated extreme weather events. Contractor shall not be entitled to additional payment or time to the extent its costs or delays would have been avoided if Contractor had complied.
- 8.13. Protection of Existing Structures. Contractor shall protect existing structures, walks, curbs, pavements, roads, trees, landscaping, survey markers, monuments, or other devices marking property boundaries or corners, and/or improvements in working areas, utilities, and adjoining property (including, without limitation, protection from settlement or loss of lateral support). Contractor shall replace same at his expense with same kind, quality, and size of Work or item if temporary removal is necessary, or damage occurs due to the Work.
- 8.14. Water Quality. Contractor shall comply with all applicable water quality laws and regulations, including permitting, monitoring, and reporting of storm water discharge applicable to the Work, at no additional cost to City. Contractor shall indemnify and hold City harmless from loss, cost, or liability arising out of Contractor's violation of such laws or regulations.
- 8.15. Neighborhood Impacts. Contractor shall take all reasonable precautions to protect neighborhood property from damage or nuisance associated with the Work. Contractor shall promptly respond to complaints by neighbors or authorities concerning impacts to neighboring properties and public facilities and shall be solely responsible for cleaning, repair, or replacement of property soiled or damaged by Contractor's operations and settlement of claims or demands of neighbors associated with conduct of its personnel.
- 8.16. Housekeeping. Contractor shall maintain good housekeeping practices to reduce the risk of fire damage and shall make a fire extinguisher, fire blanket, and/or fire watch, as applicable, available at each location where cutting, braising, soldering, and/or welding is being performed or where there is an increased risk of fire.
- 8.17. Security and Site Access. Contractor shall ensure that all existing or operating systems, utilities, existing on-site services and access avenues are on and in operating condition before leaving the Project Site each day. If any system, utility, or access avenue is not operable, Contractor shall notify City before Contractor leaves the Project Site that day.

9. **HAZARDOUS MATERIALS.**

- 9.1. With respect to Hazardous Materials to be used during the course of the Work, the Contractor will implement and enforce a program to inventory and properly store and secure all Hazardous Materials that may be used or present on the Project Site, maintain available for inspection at the Project Site all material safety data sheets, and comply with all regulations required by law for the storage, use, and disposal of Hazardous Materials. The program must provide for notification of all personnel of potential chemical hazards. Review of these hazards must be included in the Contractor's safety training program. The Contractor shall submit to the City a list of all Hazardous Materials to be brought by the Contractor or its Subcontractors onto the City's property, including the purpose for their use on the Project.
- 9.2. In the event of a release or discovery of a preexisting release of Hazardous Materials, or if it is foreseeable that injury or death to persons may occur because of any material or substance (including without limitation Hazardous Materials) encountered on the Project Site, the Contractor shall immediately (a) stop the Work or the portion of the Work affected; (b) notify the City orally and in writing; and (c) protect against exposure of persons to the Hazardous Materials. The Contractor shall provide all written warnings, notices, reports, or postings required at law or by contract for the existence, use, release, or discovery of Hazardous Materials.
- 9.3. With respect to any Hazardous Materials or other material or substance reported to the City under the above that was not introduced to the Project Site by the Contractor or its Subcontractors of any tier, the City shall obtain the services of a qualified environmental consultant to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to verify it to be rendered harmless. Unless otherwise required by the Contract Documents, the City shall furnish in writing to the Contractor and Architect the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of such material or substance or who are to perform the task of removal or safe containment of such material or substance. The Contractor and the Architect will promptly reply to the City in writing stating whether or not either has reasonable objection to the persons or entities proposed by the City. If either the Contractor or Architect has an objection to a person or entity proposed by the City, the City shall propose another to whom the Contractor and the Architect have no reasonable objection. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the City and Contractor. By Change Order, the Contract Time may, subject to agreement by the City and the Contractor, be extended appropriately and the Contract Total shall be increased in the amount of the Contractor's reasonable additional costs of shut-down, delay and start-up, which adjustments shall be accomplished as provided in the Contract.

- 9.4. With respect to any Hazardous Materials or other material or substance reported to the City under the above that was introduced to the Project Site by the Contractor or its Subcontractors of any tier, the Contractor shall be responsible to carry out the duties of (a) proposing to the City and the Architect a qualified environmental consultant; (b) obtaining and paying for the services of the environmental consultant; and (c) verifying that the material is rendered harmless, as otherwise set forth in the above. The Contractor will not be entitled to an increase in the Contract Total if the Contractor or its Subcontractors of any tier are responsible for the condition requiring the testing of the material and the stoppage of the Work. Remediation work must be conducted by properly qualified contractors approved in advance by the City. Generally, the City may at its option contract directly with environmental consultants, and remediation contractors, regardless of whether the work will be performed at the Contractor's expense.
- 9.5. To the extent permitted by the Oregon Constitution and the Oregon Tort Claims Act, the City shall indemnify and hold harmless the Contractor, Subcontractors, Architect, Architect's consultants and the agents and employees of the Contractor, Subcontractors, Architect, and Architect's consultants from and against claims, damages, losses and expenses, including without limitation attorney fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance was not introduced to the Project Site by the Contractor or its Subcontractors of any tier, presents the risk of bodily injury or death, and has not been rendered harmless. No indemnification provided by the City under this Section will be required to indemnify the Contractor, Subcontractors, or their employees or agents to the extent of liability for death or bodily injury to persons or damage to property caused in whole or in part by the Contractor's own negligence, but will require indemnity to the extent of the fault of the City or its agents or representatives.
- 9.6. To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the City, the City's Representatives, and the employees of the City from and against claims, damages, losses, and expenses, including without limitation attorney fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance was introduced to the Project Site by the Contractor or its Subcontractors of any tier, presents the risk of bodily injury or death, and has not been rendered harmless. No indemnification provided by the Contractor under this Section will be required to indemnify the City or its agents or representatives to the extent of liability for death or bodily injury to persons or damage to property caused in whole or in part by the City's own negligence, but will require indemnity to the extent of the fault of the City or its agents or representatives.
- 9.7. Hazardous Materials are any substance defined or designated as being radioactive, infectious, hazardous, dangerous, or toxic by any federal, state, or local statute, regulation, or ordinance presently in effect or subsequently enacted. For purposes of Article 9, the term "introduce" means the physical placement or transportation of Hazardous Materials in or on the Project Site regardless of whether the Hazardous Material was specified, required, or otherwise addressed in the Contract Documents.

10. **INSURANCE AND BONDS.**

10.1. Contractor's Insurance. Contractor shall procure, prior to commencement of Work, and maintain for the duration of this Contract, or such longer time as may be provided, insurance against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the Work by Contractor, its agents, representatives, employees and subcontractors as set forth in the Contract Documents. Contractor's liabilities, including but not limited to Contractor's indemnity obligations, under this Contract, will not be deemed limited in any way to the insurance coverage required herein. Maintenance of insurance coverage is a material requirement of this Contract and Contractor's failure to maintain or renew coverage or to provide evidence of renewal during the term of this Contract, as required or when requested, may be treated as a material breach.

10.1.1. Workers' Compensation and Employers' Liability Insurance. Contractor and its subcontractors, if any, are subject to Oregon Workers' Compensation Law, which requires all employers that employ subject workers who work under this Contract in the State of Oregon to comply with ORS 656.017 and provide the required Workers' Compensation coverage, unless such employers are exempt under ORS 656.126. Contractor shall ensure that each of its subcontractors, if any, complies with these requirements (ORS 279B.230(2)). Unless otherwise exempt, Contractor shall provide the City with certification of Workers' Compensation Insurance and shall maintain Employers' Liability Insurance with limits not less than \$1,000,000 for each accident, \$1,000,000 for disease each employee and \$1,000,000 each policy limit.

10.2. Performance Bond and Payment Bond. Contractor shall provide a performance bond and a payment bond as required by the Contract prior to start of Work.

11. **UNCOVERING AND CORRECTION OF WORK.**

11.1. Uncovering of Work. If a portion of the Work is covered without Project Inspector and/or Architect approval or not in compliance with the Contract Documents, Contractor shall, if required in writing by City, Project Inspector, or Architect, uncover the Work for observation and replace it at Contractor's expense without change in Contract Total or Contract Time.

11.2. Correction of Work. Contractor shall, at its own expense, promptly correct Work that is rejected by City, Architect, or any governmental authority or otherwise fails to conform to the requirements of the Contract Documents, regardless of when it is discovered and regardless of whether the Work is fabricated, installed or completed. Contractor shall pay for all additional testing, inspection, or other compensation including City and Architect's additional services required for the correction of Work.

11.3. Correction of Work after Substantial Completion. If, after Substantial Completion, any Work is not in accordance with the requirements of the Contract Documents, City shall provide Contractor with written notice to correct the Work promptly after discovery of the condition. Contractor shall correct the nonconforming Work within a reasonable time after receipt of notice.

12. **RIGHTS AND REMEDIES.**

- 12.1. No Waiver. The duties and obligations imposed by the Contract Documents and rights and remedies available are in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law. No action or failure to act by any party shall constitute a waiver of a right or duty afforded the party under this Contract, nor does any act or omission constitute approval of or acquiescence in a breach, except as may be specifically agreed in writing.
- 12.2. Independent Contractor.
 - 12.2.1. Contractor is engaged as an independent Contractor. Although City reserves the right: (a) to determine (and modify) the delivery schedule for the Work; and (b) to evaluate the quality of the completed performance, City cannot and will not control the means or manner of Contractor's performance, nor provide any tools or equipment for the performance of the Work, except as provided elsewhere in this Contract. Contractor shall determine the appropriate means and manner of performing the Work.
 - 12.2.2. Contractor is wholly responsible for the manner in which it and its subcontractors perform the Work required of it by the Contract Documents. City may monitor Contractor's activities to determine compliance with the terms of this Contract.
 - 12.2.3. Contractor shall pay all federal, state and local taxes applicable to compensation or payments paid to Contractor under this Contract and, unless Contractor is subject to backup withholding, City shall not withhold from such compensation or payments any amount(s) to cover Contractor's tax obligations.
 - 12.2.4. Contractor is not an employee of the federal government or the State of Oregon.
 - 12.2.5. Contractor is not a contributing member of the Public Employees Retirement System.
 - 12.2.6. Neither Contractor, nor any of Contractor's subcontractors, agents or employees are "officers," "employees," or "agents" of City or any of City's employees or agents, as those terms are used in ORS 30.265. Contractor bears exclusive responsibility for the acts of its employees as they relate to the services to be provided during the course and scope of their employment. Contractor, its subcontractors, agents, and its employees are not entitled to any rights or privileges of City employees.

13. **COMPLIANCE WITH LAWS.**

- 13.1. Contractor shall comply with all laws, codes, regulations, and applicable requirements imposed by governmental authorities having jurisdiction over the Work, including but not limited to, environmental, zoning, building code, public contracting, and other related laws.
- 13.2. Environmental Mitigation. Contractor shall comply with all applicable mitigation measures, if any, adopted by any public agency with respect to this Project pursuant to the environmental protections laws of the State of Oregon.
- 13.3. Work Performed Illegally. Contractor will bear all costs arising from Work performed that it knew, or through exercise of reasonable care should have known, was contrary to any applicable laws, ordinance, rules, or regulations.
- 13.4. Prior Approvals. Contractor shall obtain approval of material, processes, or procedures by the Oregon state agencies or other body or agency where required by the Specifications or Drawings.

14. **CLAIMS AND DISPUTES.**

- 14.1. **Claim.** A Claim is a demand or assertion by a party seeking, as a matter of right, adjustment or interpretation of Contract terms, payment of money, extension of time, or other relief with respect to the terms of the Contract. Claim includes other disputes and matters in question between City and Contractor arising out of or relating to the Contract. Parties will initiate Claims only by written notice. The party making the Claim is responsible for substantiating the Claim.
- 14.2. **Time to Initiate Claim.** The party making a Claim shall initiate the Claim within fourteen (14) days after the occurrence of the event giving rise to such Claim or within fourteen (14) days after the claimant first recognizes the condition giving rise to the Claim, whichever is later. The party making the Claim shall submit written notice to the other party that identifies the known bases for each Claim and the nature and amount of relief sought.
- 14.3. **Written Notice of Claim.** If Contractor claims that any instructions issued after the effective date of this Contract, by Drawings or otherwise, involve extra costs, Contractor will be entitled to reimbursement for such extra costs only to the extent Contractor so notifies City in writing before proceeding to execute the affected Work and within five (5) days after receipt of such instructions. Claims and demands for any other cause, whatsoever, by Contractor against City must be served in writing upon City within five (5) days from the occurrence of the cause giving rise to the claim. Timely compliance with the written claim requirements of this Contract is a condition precedent to Contractor's right to payment on account of any claim and failure to provide such written claim or demand or notice will constitute a waiver of such claim.
- 14.4. **No Work Stoppage.** Contractor shall proceed diligently with performance of this Contract and City shall continue to make payments in accordance with the Contract Documents pending final resolution of a Claim, except as otherwise agreed in writing or provided for in this Contract.
- 14.5. **Differing Site Conditions.** A party shall give notice to the other party promptly, and in no event later than five (5) days after first observation, before conditions encountered at the site are disturbed that are: (a) subsurface or otherwise concealed physical conditions that differ materially from those indicated on the Contract Documents; or (b) unknown physical conditions of an unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents. The parties shall promptly investigate such conditions, and if they differ materially and cause an increase or decrease in the cost of or time required for performance of any part of the Work, City will propose an equitable adjustment in the Contract Total, Contract Time, or both. If City does not find that the conditions differ materially and cause an increase or decrease in the cost of or time required for performance of any part of the Work, City will notify Contractor in writing. If Contractor disputes City's determination, Contractor shall proceed with the Work and may initiate a Claim no later than twenty one (21) days after receiving notice of the decision.
- 14.6. **Claim for Additional Cost.** Contractor shall file a Claim for additional cost under this section if Contractor believes additional cost is involved for reasons including: (a) City's written interpretation of the Contract Documents; (b) City's order to stop Work where Contractor is not at fault; (c) written order for a minor change in Work issued by City's consultant or representative; (d) failure of payment by City; (e) termination of Contract by City; (f) City's suspension; or (g) other reasonable grounds.

- 14.7. Claim for Delay. If Contractor wishes to make a Claim for a delay, written notice shall be given within fourteen (14) calendar days of the occurrence of the event giving rise to the delay. Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary. Contractor will not be entitled to additional Contract Time for delays that do not affect the critical path of the Work.
- 14.8. Claim for Additional Time (Adverse Weather). If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time, could not have been reasonably anticipated, and had an adverse effect on the scheduled construction. Contractor shall not be entitled to additional compensation for delays caused by adverse weather conditions or any causes beyond City's control. If the Oregon Office of Emergency Management orders Contractor to halt the Work for reasons beyond Contractor's control and that were not reasonably anticipated, the Contract Time shall be equitably extended by Change Order, but only on condition that Contractor provides City with written notice of the delay in accordance with the notice requirements of this Contract.
- 14.9. Claim for Injury or Damage to Person or Property. If any person suffers physical injury or property damage arising from the Work, regardless of the cause, the party shall immediately give notice of such injury or damage, whether or not insured, to City and Contractor with sufficient detail to enable City and any other party affected to investigate the matter.
- 14.10. Acceptance of Claim. Upon timely receipt of a properly completed Claim and all documentation and/or evidence necessary to substantiate the Claim, City shall evaluate the Claim and provide Contractor with its written decision either accepting the Claim (in whole or in part) or rejecting the Claim (in whole or in part) within twenty (20) days. Should City reject the Claim in whole or in part, City shall generally explain the reasons for such rejection.
- 14.11. Mediation. Contractor and City agree that any dispute that may arise under the Contract will be submitted to a mediator agreed to by both parties as soon as such dispute arises, but in any event prior to commencement of arbitration or litigation. This provision shall be specifically enforceable in any arbitral or judicial proceeding through stay or abatement of the proceeding upon petition of a party. Mediation shall be conducted in Portland, Oregon, and the mediation fee and expenses shall be shared equally by the parties who agree to exercise their best efforts in good faith to resolve all disputes in mediation.
15. **TERMINATION OR SUSPENSION BY CONTRACTOR.**
 - 15.1. Termination by Contractor for Work Stoppage. Contractor may terminate this Contract if the Work is stopped for a period of thirty (30) consecutive days through no act or fault of Contractor, subcontractor, or sub subcontractor, or their agents or employees, or any other persons or entities performing portions of the Work under direct or indirect contract with Contractor, for any of the following reasons: (a) issuance of an order of a court or other public authority having jurisdiction which requires all Work to be stopped; (b) an act of government, such as a declaration of a national emergency which requires all Work to be stopped; (c) because the Architect has not issued a Certificate of Payment and has not notified Contractor of the reason for withholding certification, or because City has not made payment on a Certificate for Payment within the time stated in the Contract Documents; or (d) City failed to furnish to Contractor reasonable evidence that financial arrangements have been made to fulfill City's obligations under this Contract.

- 15.2. Termination by Contractor for Work Interruption. Contractor may terminate this Contract if, through no act or fault of Contractor, subcontractor, or sub subcontractor, or their agents or employees, or any other persons or entities performing portions of the Work under direct or indirect contract with Contractor, repeated suspensions, delays or interruptions of the entire Work by City constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365 day period, whichever is less, or if Work is stopped for a period of sixty (60) consecutive days.
- 15.3. Compensation. Contractor may recover from City payment for Work executed and for proven loss with respect to materials, equipment, tools, and construction equipment and machinery including reasonable profit and overhead if it provides seven (7) days' written notice to Architect and City prior to termination for the reasons set forth above.
16. **TERMINATION OR SUSPENSION BY CITY.**
 - 16.1. Termination by City for Cause. City may terminate Contract and/or terminate Contractor's right to perform the Work of this Contract without prejudice to any other rights or remedies by providing seven (7) days' written notice to Contractor and Contractor's surety if Contractor:
 - 16.1.1. refuses or fails to execute the Work or any separable part with sufficient diligence to ensure its completion within the time specified or any extension;
 - 16.1.2. persistently or repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
 - 16.1.3. fails to make payment to subcontractors in accordance with respective agreements;
 - 16.1.4. persistently disregards laws, ordinances, or rules, regulations or orders of a public authority having jurisdiction;
 - 16.1.5. files a petition for relief as a debtor, or a petition is filed against Contractor without its consent, and the petition is not dismissed within sixty (60) days;
 - 16.1.6. makes a general assignment for the benefit of its creditors, or a receiver is appointed on account of its insolvency; or
 - 16.1.7. is otherwise guilty of a substantial breach of a provision of the Contract Documents or fails to observe the training, safety, and other precautions including City's policies and Contractor's own safety policies for the Project.
 - 16.2. City's Right to Take Possession. Upon termination for cause, City may take possession of the site and of all materials, equipment, tools, and construction equipment and machinery on the site owned by Contractor, accept assignment of subcontracts, and finish the Work by whatever reasonable method City may deem expedient. Upon request, City shall provide Contractor a detailed accounting of the costs incurred in finishing the Work.
 - 16.3. Compensation. Contractor will not be entitled to receive further payment until the Work is finished. If the unpaid balance of the Contract Total exceeds City's costs to finishing the Work, including compensation for City's consultants and representatives for services made necessary by Contractor's default, and other damages incurred by City which have not been expressly waived, City shall pay the excess to Contractor. If City's costs and damages exceed the unpaid balance, Contractor shall pay the difference to City.

- 16.4. Suspension for Convenience. City may, without cause, order Contractor in writing to suspend, delay, or interrupt the Work in whole or in part for such period of time as City may determine. City shall adjust Contract Total and Contract Time for increases in the cost (including profit) and time caused by the suspension, delay, or interruption so long as the performance would not have been suspended, delayed, or interrupted by another cause for which Contractor is responsible and City has not already made or denied another equitable adjustment under another provision of this Contract for the suspension, delay, or interruption.
- 16.5. Termination for Convenience. City may terminate all or part of this Contract for City's convenience at any time and without cause. Contractor shall, upon written notice of such termination, cease operations as directed by City, take actions necessary to protect and preserve the Work, and terminate all existing subcontracts and purchase orders that are not required to perform the Work up to the effective date of termination and the portion of Work not terminated, and enter into no further subcontracts or purchase orders for the portion of this Contract that was terminated. City shall pay Contractor for Work executed and costs reasonably incurred by reason of such termination, along with reasonable overhead and profit on the Work completed. City will not pay profit or overhead allocable to Work which is not performed at the time of termination. If the City terminates Contractor for cause and a court or other tribunal finds that City did not have cause to terminate Contractor, then the court or other tribunal will deem the City's termination a termination for convenience under this section.
17. **PAYMENTS AND COMPLETION.**
 - 17.1. Contract Total. The Contract Total is stated in the Contract, and including authorized adjustments, is the total amount payable by City to Contractor for performance of Work under the Contract Documents.
 - 17.2. Schedule of Values. Prior to submission of the first Application for Payment, Contractor shall submit a preliminary schedule of values for all of the Work, including quantities and prices of items aggregating the Contract Total and subdividing the Work into component parts in sufficient detail to serve as the basis for progress payments during construction. Contractor shall include, at a minimum: (a) overhead and profit; (b) supervision; (c) general conditions; (d) layout; (e) mobilization; (f) scheduling; (g) submittals; (h) bonds and insurance; (i) close-out documentation; (j) demolition; (k) installation; (l) rough-in; (m) finishes; (n) testing; and (o) punch list and acceptance ("Schedule of Values").
 - 17.3. Applications for Payment. Contractor shall submit an itemized and notarized application for payment for operations completed in accordance with the Schedule of Values and reflecting applicable retainage ("Application for Payment"). Applications for Payment shall be prepared using forms provided by the City. Contractor shall submit data substantiating Contractor's right to payment where required, such as copies of requisitions from subcontractors and material suppliers, Construction Change Directives, Change Orders, and/or force account information. Contractor shall provide:
 - 17.3.1. The amount paid to the date of the Application for Payment to Contractor, all its subcontractors, and all others furnishing labor, material, or equipment for this Contract;
 - 17.3.2. The amount being requested by Contractor on its own behalf and separately stating the amount requested on behalf of each of the subcontractors and all others furnishing labor, material, or equipment for this Contract;
 - 17.3.3. The balance that is due to each of such entities after payment is made;

- 17.3.4. Certification that the Record Documents are current;
- 17.3.5. Itemized breakdown of Work done for the purpose of requesting partial payment;
- 17.3.6. Updated construction schedule;
- 17.3.7. Additions and subtractions from the Contract Total and Contract Time;
- 17.3.8. Total of retainage held;
- 17.3.9. Material invoices, evidence of equipment purchases, rentals, and other support City may request;
- 17.3.10. Percentage complete of Contractor's Work by line item;
- 17.3.11. A Schedule of Values updated from the preceding Application for Payment; and
- 17.3.12. Contractors' Certified Payroll.
- 17.4. Waivers and Releases. Contractor shall submit conditional waivers and releases upon progress payment from Contractor and each subcontractor of any tier and supplier to be paid from current progress payment along with an unconditional waiver and release upon progress payment from Contractor and each subcontractor of any tier that received payment from the previous progress payment. Contractor shall certify as follows: "Contractor warrants title to all Work performed and materials purchased as of the date of the payment application; and Contractor warrants that all Work performed and materials purchased as of the date of the payment application are free and clear of liens, claims, security interests, or encumbrances in favor of any persons or entities making a claim by reason of having provided labor, materials, or equipment relating to the Work, except those of which City has been informed."
- 17.5. False Claims. Contractor is subject to the False Claims Act set forth under ORS Chapter 180 for information provided with any Application for Payment.
- 17.6. Certificates for Payment.
 - 17.6.1. City shall review the Contractor's Application for Payment within a reasonable time after receipt not to exceed seven (7) days for the purpose of determining that it is properly submitted. City shall either return the Application for Payment to Contractor with a document setting forth the reasons why the Application for Payment is not proper, or shall issue a Certificate for Payment for the amounts properly due.
 - 17.6.2. City's issuance of a Certificate for Payment is a representation by City, based upon City's evaluation of the Work and the data comprising the Application for Payment, that Contractor is entitled to payment in the amount certified because the Work has progressed to the point indicated and that the quality of the Work is in accordance with the Contract Documents. City's approval of the certified Application for Payment is based on Contractor complying with all requirements for a fully complete and valid certified Application for Payment.
- 17.7. Decisions to Withhold Certification.

- 17.7.1. City shall notify Contractor in writing if any amounts are not due, and the reasons for withholding certification in whole or in part. If Contractor and City cannot agree on a revised amount, City shall promptly issue a Certificate for Payment for the amount for which City determines that Contractor is entitled to payment. City may withhold Certificate for Payment or nullify the whole or part of a Certificate for Payment previously issued, to such extent as may be reasonably necessary to protect City from loss for which Contractor is responsible, including loss resulting from acts and omissions because of defective Work not remedied, third party claims filed or reasonable evidence indicating probable filing of such claim unless security acceptable to City is provided by Contractor, failure of Contractor to make payments properly to subcontractors or for labor, materials, or equipment, reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Total, damage to City or another contractor, reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay, persistent failure to carry out the Work in accordance with the Contract Documents, or failure to maintain Record Documents.
- 17.7.2. Contractor shall not receive any interest on any retainage or amounts withheld due to the failure of Contractor to perform in accordance with the Contract Documents.
- 17.7.3. City may apply any withheld amount to pay outstanding claims or obligations on behalf of Contractor, without prior judicial determination of the claim or obligation. If any payment is made by City, that amount is deemed a payment made under this Contract by City to Contractor.
- 17.7.4. City shall promptly issue a Certificate for Payment for amounts previously withheld when the reasons for withholding certification are removed.
- 17.8. Progress Payments.
 - 17.8.1. City shall make payment in the manner and within the time provided in the Contract Documents. City may withhold the portion of any progress payment for which certified payroll statements have not been received until such certified statements are submitted.
 - 17.8.2. Contractor shall promptly pay each subcontractor, upon receipt of payment from City, out of the amount City paid to Contractor on account of each subcontractor's portion of the Work. Contractor shall, by written agreement, require each subcontractor to make payments to sub-subcontractors in a similar manner.
 - 17.8.3. City may issue joint checks made payable to Contractor, subcontractor(s) and material or equipment suppliers. Joint check payees are responsible for the allocation and disbursement of funds included as part of any such joint check payment. Joint check payment does not create a contract, rights, or obligations between City and any subcontractor or material or equipment supplier.
 - 17.8.4. Certificate for Payment, progress payment, or partial or entire use or occupancy of the Project does not constitute acceptance of Work not in accordance with the Contract Documents.
- 17.9. Substantial Completion.

- 17.9.1. Substantial Completion. Substantial completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that City can occupy or utilize the Work for its intended purpose.
- 17.9.2. Punch List. When Contractor considers the Work or a designated portion of the Work to be substantially complete, Contractor shall prepare and submit to City a comprehensive list of items to be completed or corrected prior to final payment ("Punch List"). The Punch List does not alter Contractor's responsibility to complete the Work in accordance with the Contract Documents.
- 17.9.3. Certificate of Substantial Completion. Upon receipt of Contractor's Punch List, City shall make an inspection to determine whether the Work or designated portion thereof is substantially complete. If City determines that the Work is not substantially complete, City shall notify Contractor of any Work to be completed in accordance with the Contract Documents before the Work or designated portion can be certified as such, and Contractor shall complete all such items. Upon determining that the Work or designated portion thereof is substantially complete, City and Contractor shall execute a Certificate of Substantial Completion.
- 17.9.4. Commencement of Warranty. Contractor's general and special warranties shall be effective as of the date that the Work is deemed finally complete.
- 17.9.5. Close-Out Documentation. Contractor shall assemble for City's approval within thirty (30) days of Substantial Completion all close-out documentation as required by the Contract Documents, including the required number of copies of operating, maintenance, and warranty data from all manufacturers whose equipment is installed in the Work, and Record Documents of the Work.
- 17.10. Final Completion.
 - 17.10.1. The Work will be deemed finally complete when all conditions set out in the Contract Documents are satisfied and City accepts such Work. Final completion is achieved when all punchlist work is complete, all close-out documentation has been received, all final testing, equipment calibration and training have been completed, and the Contractor is entitled to Final Payment. Unless special circumstances exist that are defined at the time of Punch List creation, Contractor shall achieve Final Completion within 45 days of Substantial Completion.
 - 17.10.2. Final Inspection. When Contractor considers all of the Punch List Work to be complete, Contractor shall notify City which shall inspect such Work.
 - 17.10.3. Final Application for Payment. If City finds the Punch List Work complete and acceptable under the Contract Documents, City shall notify Contractor, who shall then submit its Final Application for Payment.

- 17.10.4. Payment of Retainage. City shall make payment of retainage applying to such Work or designated portion thereof after receiving all Close Out Documentation, an affidavit that bills for indebtedness connected with the Work for which City's property might be encumbered have been satisfied; a certificate to indicate that insurance required by the Contract Documents shall remain in force after final payment is in effect and will not be cancelled or expire until thirty (30) days' prior written notice is given to City and that Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents; the consent of surety to final payment; and valid waivers of all construction lien claims, bond claims, and other claims by Contractor and each subcontractor in a form acceptable to City.
- 17.10.5. Bond in Lieu of Waiver. If a subcontractor refuses to furnish a release or waiver required by City, Contractor may furnish a bond satisfactory to City to indemnify City against such lien. If such lien remains unsatisfied after payments are made, Contractor shall refund to City all money that City may be compelled to pay in discharging such lien, including all costs and reasonable attorneys' fees.
- 17.10.6. Delay in Final Completion. City shall make payment of the balance due for any portion of the Work fully completed and accepted if final completion is materially delayed through no fault of Contractor or by issuance of Change Orders affecting final completion. In the event that final completion is not accomplished within thirty (30) days after the date of Substantial Completion due to any fault of Contractor, City may withhold from the final payment 150 percent of the reasonable cost to complete the unfinished Work and to attain final completion. In the event Contractor fails to complete the Work necessary to attain final completion after forty five (45) days from Substantial Completion, City may, without waiving other remedies it may have, complete the Work and deduct the actual cost thereof from the funds withheld.
- 17.10.7. Contractor's Waiver of Claims. Contractor's acceptance of final payment constitutes a waiver of claims except those previously made in writing and identified by Contractor as unsettled at the time of final Application for Payment.

18. **INDEMNITY AND LIABILITY.**

- 18.1. To the fullest extent permitted by Oregon law, Contractor shall indemnify, defend with legal counsel reasonably acceptable to City, and hold harmless City and its consultants and separate contractors, and their respective council members, board members, officers, representatives, agents, trustees, volunteers, and employees, in both individual and official capacities ("Indemnitees"), against all suits, claims, damages, losses, and expenses, including but not limited to attorney's fees, caused by, arising out of, resulting from, or incidental to, the performance of the Work under this Contract by Contractor, its subcontractors, vendors, or suppliers, including, without limitation, any such suit, claim, damage, loss, or expense attributable to, without limitation, bodily injury, sickness, disease, death, alleged patent violation or copyright infringement, or to injury to or destruction of tangible property (including damage to the Work itself) including the loss of use resulting therefrom, except to the extent caused by the sole negligence, active negligence, or willful misconduct of the Indemnitees, and/or to any extent that would render these provisions void or unenforceable. This agreement and obligation of Contractor will not be construed to negate, abridge, or otherwise reduce any right or obligation of indemnity that would otherwise exist as to any party or person described herein. This indemnification, defense, and hold harmless obligation includes any failure or alleged failure by Contractor to comply with any provision of law, any failure or alleged failure to timely and properly fulfill all of its obligations under the Contract Documents in strict accordance with their terms.
- 18.2. Contractor shall fully indemnify, defend, and hold harmless City, and each person, entity, firm, or agency that owns or has any interest in adjacent property in any action arising out of any agreement between Contractor and adjacent property owners that is made for the purpose of entering upon the adjacent property to perform the Work. Contractor shall obtain City's approval of the form and content of the agreement prior to the commencement of any Work on or about the adjacent property.
- 18.3. Severability of Indemnity Provisions. Contractor shall give prompt notice to City in the event of any injury (including death), loss, or damage included herein. Without limitation of the provisions herein, if Contractor's agreement to indemnify, defend, and hold harmless the Indemnitees as provided herein against liability for damage arising out of bodily injury to persons or damage to property caused by or resulting from the negligence of any of the Indemnitees will to any extent be or be determined to be void or unenforceable, it is the intention of the parties that these circumstances will not otherwise affect the validity or enforceability of Contractor's agreement to indemnify, defend, and hold harmless the rest of the Indemnitees, as provided herein, and in the case of any such suits, claims, damages, losses, or expenses caused in part by the default, negligence, or act or omission of Contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, and in part by any of the Indemnitees, Contractor shall be and remain fully liable on its agreements and obligations herein to the full extent permitted by law.
- 18.4. In any and all claims against any of the Indemnitees by any employee of Contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, Contractor's indemnification obligation herein shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any subcontractor under workers' compensation acts, disability benefit acts, or other employee benefit acts, unless it is limited by ORS 30.140.

- 18.5. Contractor's defense and indemnification obligations survive the completion of Work, including any warranty period and/or termination of this Contract.

19. **SECURITY.**

- 19.1. Security. Contractor shall not use or disturb City's property, materials or documents except for the purpose of responding to City's request for proposal or invitation to bid or pursuant to completion of the Work under this Contract. Contractor shall treat all documents as confidential and shall not disclose such documents without approval from City. Any unauthorized disclosure of documents or removal of City property will be deemed a substantial breach of this Contract. Contractor shall bear sole responsibility for any liability including, but not limited to, attorneys' fees, resulting from any action or suit brought against City as a result of Contractor's willful or negligent release of information, documents, or property contained in or on City property. City hereby deems all information, documents, and property contained in or on City property privileged and confidential.
- 19.2. Employee Removal. At City's request, Contractor shall immediately remove any employee from all City properties in cases where City determines in its sole discretion that removal of that employee is in City's best interests.

20. **MISCELLANEOUS PROVISIONS.**

- 20.1. Non-Appropriation; Adequate Funding. City shall, at Contractor's written request, prior to commencement of Work, provide Contractor with reasonable evidence that financial arrangements have been made to fulfill City's obligations under the Contract. If payment for Work under this Contract extends into City's next fiscal year, City's obligation to pay for such Work is subject to approval of future city council appropriations to fund this Contract. Continuation of this Contract at specified levels is specifically conditioned on adequate funding under City's budget adopted in June of each year. City may adjust the Work provided for in this Contract in accordance with funding levels adopted by the City Council.
- 20.2. Law and Venue. Any dispute under this Contract or related to this Contract is governed by all provisions of the Oregon Constitution and laws of Oregon governing, controlling, or affecting City, or the property, funds, operations, or powers of City, which are incorporated herein by reference. This Contract is deemed to include any provision that the law requires to be included. Any litigation arising out of this Contract shall be conducted in in the Circuit Court for Clatsop County, Oregon. The Contractor consents to the personal jurisdiction of this court.
- 20.3. Severability. If any term or provision of this Contract is declared by a court of competent jurisdiction to be illegal or in conflict with any law, the validity of the remaining terms and provisions are not affected, and the rights and obligations of the parties are construed and enforced as if this Contract did not contain the particular term or provision held to be invalid.
- 20.4. No Waiver. The failure of City in any one or more instances to insist upon strict performance of any of the terms of this Contract or to exercise any option herein conferred is not a waiver or relinquishment to any extent of the right to assert or rely upon any such terms or option on any future occasion. No action or failure to act by City, Architect, or Construction Manager waives any right or duty afforded City under this Contract, nor does action or failure to act constitute an approval of or acquiescence in any breach, except as specifically agreed in writing.

- 20.5. Non-discrimination. Contractor shall comply with all applicable federal, state and local laws, rules and regulations regarding nondiscrimination in employment because of race, color, ancestry, national origin, religion, sex, marital status, age, medical condition, or disability.
- 20.6. No Third Party Beneficiaries. City and Contractor are the only parties to this Contract and are the only parties entitled to enforce its terms. Nothing in this Contract provides any benefit or right, directly or indirectly, to third persons unless they are individually identified by name in this Contract and expressly described as intended beneficiaries of this Contract. The Contract Documents shall not be construed to create a contractual relationship of any kind: (a) between Contractor and City's representatives or consultants, (b) between City and a subcontractor or a sub-subcontractor, (c) between City and a supplier; or (d) between any persons or entities other than City and Contractor.
- 20.7. Media Contacts. Contractor shall issue no news release, press release, or other statement to members of the news media or any other publication regarding this Contract or the Project within one (1) year of Project completion without City's prior written authorization. Contractor shall not post or publish any textual or visual representations of the Project without approval of City.
- 20.8. Successors in Interest. This Contract will bind, and inure to the benefit of, the parties, their successors, and approved assigns, if any.
- 20.8.1. Contractor shall not assign all or any part of this Contract including, without limitation, any services or money to become due under this Contract without the prior written consent of City. Assignment without City's prior written consent is null and void. Any assignment of money due or to become due under this Contract is subject to a prior lien for services rendered or material supplied for performance of Work called for under this Contract in favor of all persons, firms, or corporations rendering services or supplying material to the extent that claims are filed pursuant to Oregon law, and is also subject to deductions for liquidated damages or withholding of payments as determined by City in accordance with this Contract. Contractor shall not assign or transfer in any manner to a subcontractor or supplier the right to prosecute or maintain an action against City.
- 20.8.2. Contractor shall first notify City prior to any change in the name or legal nature of Contractor's entity. City shall determine if Contractor's intended change is permissible while performing this Contract.
- 20.9. Liquidated Damages.

- 20.9.1. Failure to complete the Project by the specified time will result in damages to the City. The parties to this contract agree that establishing the exact amount of damages the City will incur will be difficult. In order to compensate the City, the parties to this contract have estimated the amount the City would be damaged for every calendar day completion is delayed. Consequently, the Contractor agrees to pay the City the sum of \$200 per day, not as a penalty but as liquidated damages, for each day elapsed beyond the Substantial Completion date set forth in the bid document. The total liquidated damages shall be deducted from the final payment due the Contractor. The City may waive its right to claim part or all of the liquidated damages due under this provision, but such full or partial waiver shall not negate or abridge any other right of action the City may have to enforce the provisions of this Contract. Contractor will not contest such sums as being other than a reasonable measure of delay damages in the event those damages become payable under these provisions.
- 20.10. Workers' Compensation.
- 20.10.1. All employers, including Contractor, that employ subject workers who work under this contract in the State of Oregon shall comply with ORS 656.017 and provide the required Workers' Compensation coverage, unless such employers are exempt under ORS 656.126. This shall include Employer's Liability Insurance with coverage limits of not less than \$1,000,000 for each accident. Contractors who perform the Work without the assistance or labor of any employee need not obtain such coverage if the Contractor certifies so in writing. Contractor shall ensure that each of its Subcontractors complies with these requirements. The Contractor shall require proof of such Workers' Compensation by receiving and keeping on file a certificate of insurance from each Subcontractor or anyone else directly employed by either the Contractor or its Subcontractors.

EXHIBIT B - INSURANCE REQUIREMENTS

1. ADDITIONAL INSURANCE.

Contractor shall maintain all insurances required of it by law. In addition, the Contractor shall maintain the following:

- 1.1. Required Coverage. Without waiver of any other requirement of the Contract Documents, the Contractor will provide, pay for, and maintain in full force and effect at all times during the performance of the Work until final acceptance of the Work or for such further duration as required, the following policies of insurance issued by a responsible carrier. All of the Contractor's insurance carriers shall be rated A VII or better by A.M. Best's rating service, unless otherwise approved by the City.
 - 1.1.1. Workers' Compensation. Workers' compensation coverage sufficient to meet statutory liability limits.
 - 1.1.2. Employer's Liability. The Contractor shall purchase and maintain employer's liability insurance in addition to its workers' compensation coverage with at least the minimum limits in section 1.2 below.
 - 1.1.3. Commercial General Liability. The Contractor shall purchase and maintain commercial general liability ("CGL") insurance for off-site exposures on an occurrence basis, written on ISO Form CG 00 01 (12/04 or later) or an equivalent form approved in advance by the City. CGL coverage shall include all major coverage categories including bodily injury, property damage and products/completed operations coverage. The CGL insurance will also include the following: (1) separation of insureds; (2) incidental medical malpractice; and (3) per-project aggregate for premises operations.
 - 1.1.4. Professional Liability/Errors and Omissions. To the extent that the Contractor accepts design or design/build responsibilities, the Contractor shall purchase and maintain professional liability/errors and omissions insurance or cause those Subcontractors providing design services do so.
 - 1.1.5. Automobile Liability. The Contractor shall purchase and maintain automobile liability insurance with coverage for owned, hired, and non-owned vehicles on ISO form CA 00 01 or an equivalent form approved in advance by the City. The automobile liability insurance shall include pollution liability coverage resulting from vehicle overturn and collision.

- 1.2. Limits. The insurance required by this exhibit shall be written for at least the limits of liability specified in this Section or required by law, whichever is greater.

Workers' Compensation Statutory Limits

Employer's Liability

| | |
|----------------------------------|-------------|
| Each Accident: | \$1,000,000 |
| Each Bodily Injury Disease: | \$1,000,000 |
| Aggregate Bodily Injury Disease: | \$1,000,000 |

Commercial General Liability

| | |
|--------------------------------|-------------|
| Each Occurrence: | \$2,000,000 |
| General Aggregate: | \$3,000,000 |
| Product/Completed Operations: | \$2,000,000 |
| Personal & Advertising Injury: | \$2,000,000 |
| Fire Damage Limit: | \$100,000 |
| Medical Expense Limit: | \$5,000 |
| Automobile Liability | |
| Combined Single Limit: | \$2,000,000 |

Professional Liability/Errors & Omissions

| | |
|---------------|-------------|
| Single Limit: | \$1,000,000 |
| Aggregate: | \$1,000,000 |

- 1.3. Additional Insureds. The Contractor's third-party liability insurance policies shall include the City and its officers, employees, and agents as additional insureds. The policy endorsement must extend premises operations and products/completed operations to the additional insureds. The additional insured endorsement for the CGL insurance must be written on ISO Form CG 20 10 (11/85), a CG 20 37 (07/04) together with CG 20 33 (07/04), or the equivalent; but shall not use the following forms: CG 20 10 (10/93) or CG 20 10 (03/94).
- 1.4. Joint Venture. If the Contractor is a joint venture, the joint venture shall be a named insured for the liability insurance policies.
- 1.5. Primary Coverage. The Contractor's insurance shall be primary insurance coverage and may not seek contribution from any insurance or self-insurance carried by the City or the Architect including any property damage coverage carried by the City. Contractor's insurance shall apply separately to each insured against whom a claim is made or suit is brought. The Contractor's insurance shall not include any cross-suit exclusion or preclude an additional insured party from asserting a claim as a third party.
- 1.6. Contractor's Failure to Maintain Insurance. If the Contractor for any reason fails to maintain required insurance coverage, such failure shall be deemed a material breach of the Contract and the City, at its sole discretion, may suspend or terminate the Contract pursuant to Section 108.11 of the General Conditions. The City may, but has no obligation to, purchase such required insurance, and without further notice to the Contractor, the City may deduct from the Contract Total any premium costs advanced by the City for such insurance. Failure to maintain the insurance coverage required by this exhibit shall not waive the Contractor's obligations to the City.
- 1.7. Certificates of Insurance. Prior to commencement of the Work, and before bringing any equipment or construction equipment on to the Project Site, the Contractor shall provide Certificates of Insurance, to the City Representative, for the insurance policies required by this contract.

- 1.7.1. Additional Certificates. To the extent that the Contractor's insurance coverage's are required to remain in force after final payment and are reasonably available, an additional certificate evidencing continuation of such coverage shall be submitted with the final Application for Payment. Information concerning reduction of coverage on account of revised limits or claims paid under the general aggregate, or both, shall be furnished by the Contractor with reasonable promptness in accordance with the Contractor's information and belief.
 - 1.7.2. Prohibition Until Certificates Received. The City shall have the right, but not the obligation, to prohibit the Contractor and its Subcontractors from entering the Project Site until the required certificates (or other competent evidence that insurance has been obtained in complete compliance with this exhibit) are received and approved by the OCIP Administrator and or City.
 - 1.7.3. Deductibles/Self-Insured Retentions. Payment of deductibles or self-insured retentions is a Cost of the Work within the Guaranteed Maximum Price and does not justify a Change Order. Satisfaction of all self-insured retentions or deductibles will be the sole responsibility of the Contractor.
 - 1.8. Subcontractors Insurance. The Contractor shall cause each Subcontractor to purchase and maintain in full force and effect policies of insurance as specified in this exhibit, except for coverage limits, which will be agreed upon between the City and the Contractor. The Contractor will be responsible for the Subcontractors' coverage if the Subcontractors fail to purchase and maintain the required insurance. When requested by the City, the Contractor will furnish copies of certificates of insurance establishing coverage for each Subcontractor.
 - 1.9. Limitations on Coverage.
 - 1.9.1. No insurance provided by the Contractor under this exhibit will be required to indemnify the City, the Architect, or their employees or agents to the extent of liability for death or bodily injury to persons or damage to property caused in whole or in part by their own negligence, but will require indemnity to the extent of the fault of the Contractor or its agents, representatives, or Subcontractors.
 - 1.9.2. The obligations of the Contractor under this exhibit shall not extend to the liability of the Architect or its consultants for (1) the preparation or approval of maps, Drawings, opinions, reports, surveys, Change Orders, designs, or specifications, or (2) the giving or failure to give directions or instructions, to the extent that the directions, or failure to provide directions, are the cause of the injury or damage.
 - 1.9.3. By requiring insurance, the City does not represent that coverage and limits will necessarily be adequate to protect the Contractor. Insurance in effect or procured by the Contractor will not reduce or limit the Contractor's contractual obligations to indemnify and defend the City for claims or suits that result from or are connected with the performance of the Contract.
2. **PROPERTY INSURANCE.**
 - 2.1. Builder's Risk: (For new construction or building additions) During the term of this Contract, the City will maintain builder's risk and property coverages to the City's standards.

Midway & Siuslaw Pump Station Enclosures Project

- 2.2. Builder's Risk Installation Floater: (For other than new construction) The Contractor shall obtain, at the Contractor's expense, and keep in effect during the term of this Contract, a Builder's Risk Installation Floater for coverage of the Contractor's labor, materials and equipment to be used for completion of the Work performed under this Contract or installed at building. The minimum amount of coverage to be carried shall be equal to the full amount of the Contract. This insurance shall include as loss payees the City, the Contractor and its Subcontractors as their interests may appear.
- 2.3. Such insurance shall be maintained until the City has occupied the facility.
- 2.4. Contractor must provide insurance for its own machinery, tools, equipment, or supplies that are not to become a part of the Project.

EXHIBIT C - BOLI Prevailing Wage Rates

The January 5, 2023 Prevailing Wage Rates, and any addenda issued to Prevailing wage rates for Public Contracts in Oregon shall be used for this project. A copy of the Prevailing Wage Rates can be obtained from the Oregon Bureau of Labor and Industries located at:

800 NE Oregon Street, Suite 1045

Portland, OR 97232

or via their website at www.oregon.gov/BOLI

EXHIBIT D - Contractor Proposal

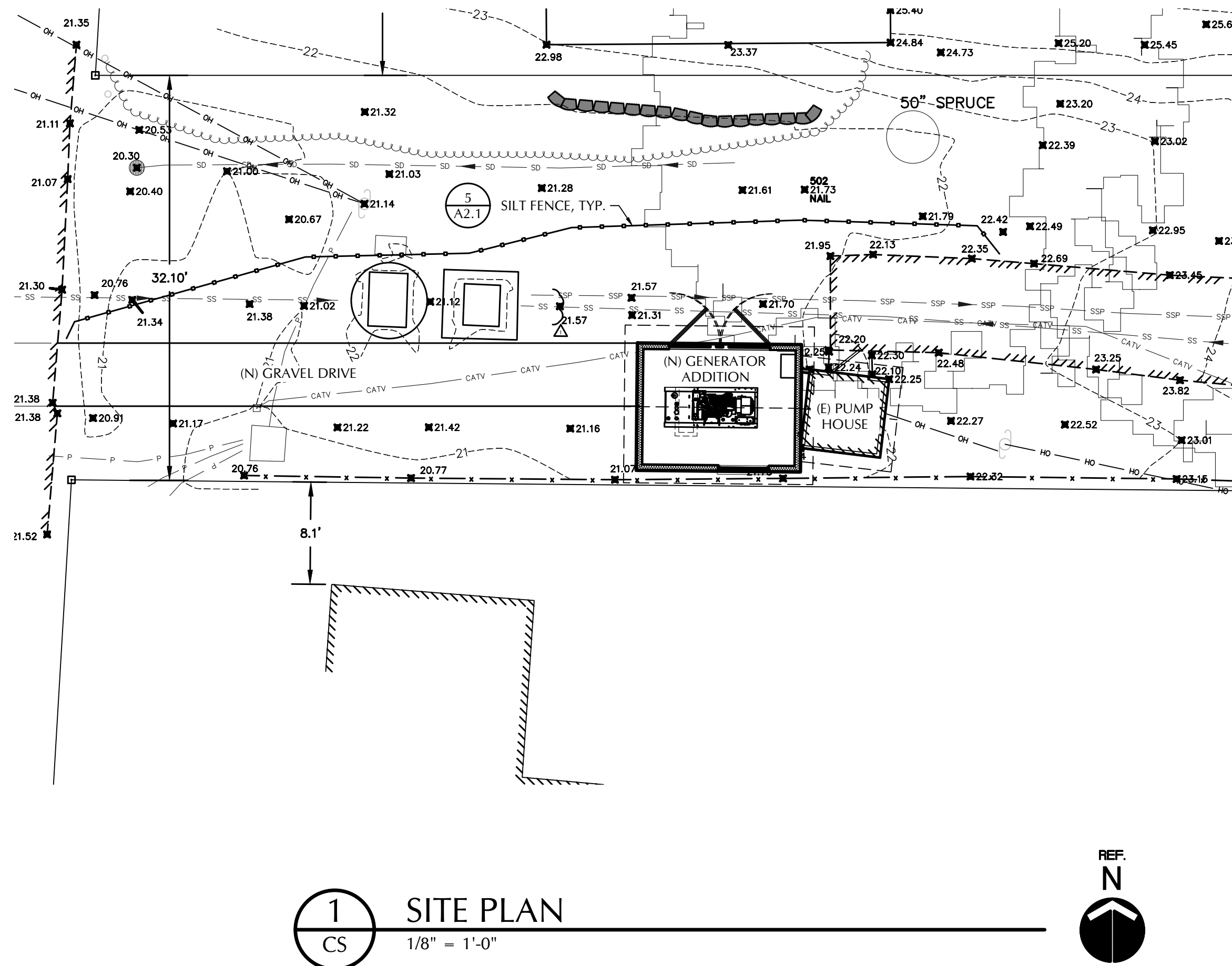
EXHIBIT E - Project Manual

EXHIBIT F - Drawings & Calculations

ABBRV.

| | | | |
|-------------|-------------------------|----------|---------------------------|
| A.F.F. | Above Finish Floor | OZ. | Once |
| ACOUST. | Acoustical | O.D. | Outside Diameter (Dim.) |
| A.C.T. | Acoustical Clg. Tile | P. | Paint |
| ADJ. | Adjust, Adjustable | PR. | Pair |
| AGG. | Aggregate | P.T.D. | Paper Towel Dispenser |
| AL. | Aluminum | P.T.D.R | Paper Towel Disp & Recept |
| A.B. | Anchor Bolt | P.T.R. | Paper Towel Receptacle |
| APPROX. | Approximately | PART.BD. | Particle Board |
| ARCH. | Architectural | PTN. | Partition |
| A.D. | Area Drain | PERF. | Perforated |
| ASPH. | Asphalt | PLAS. | Plaster |
| A.C. | Asphaltic Concrete | P.LAM. | Plastic Laminate |
| BM. | Beam | PL. | Plate |
| BITUM. | Bituminous | PWD. | Plywood |
| BLK. | Block | PT. | Point |
| BLKG. | Blocking | P.P. | Power Pole |
| BD. | Board | PRCST. | Precast |
| BOT./BTM. | Bottom | PREFIN. | Prefinished |
| B.C. | Bottom of Curb | P.T. | Pressure Treated |
| B.W. | Bottom of Wall | P.L. | Property Line |
| BLDG. | Building | Q.T. | Quarry Tile |
| CAB. | Cabinet | R.orRAD. | Radius |
| C.P.T. | Carpet | REF. | Reference |
| C.I. | Cast Iron | REFR. | Refrigerator |
| C.I.P. | Cast In Place | REINF. | Reinforced |
| C.B. | Catch Basin | REQT. | Requirements |
| CLG. | Ceiling | RES. | Resilient |
| CEM. | Cement | R. | Riser(s) |
| C.T. | Ceramic Tile | R.D. | Roof Drain |
| CLR. | Clear | RM. | Room |
| CLO. | Closer | R.O. | Rough Opening |
| C.O.S. | Color Owner Select | S.GL. | Safety Glass |
| COL. | Column | S.N.D. | Sanitary Napkin Disposal |
| CONC. | Concrete | SCHED. | Schedule |
| CMU. | Conc. Masonry Units | S.C.D. | Seal Cover Dispenser |
| COND. | Condition | SECT. | Section |
| CONSTR. | Construction | SHG. | Service Sink |
| CONT. | Continuous | SHT. | Sheet |
| CONTR. | Contractor | SH. | Shelf |
| C.J. | Control Joint | SHR. | Shower |
| CORR. | Corridor | SHR. | Shower |
| CNTR. | Counter | S.O.G. | Slab on Grade |
| CTSK. | Countersink | S.D. | Soap Dispenser |
| DEPT. | Department | S.C. | Solid Core |
| DET. | Detail | SQ. | Square |
| DIA. | Diameter | S.F. | Square Feet |
| DIM. | Dimension | S.&V. | Stain and Varnish |
| DW. | Dishwasher | S.STL. | Stainless Steel |
| DISP. | Disposal (Garbage) | STD. | Standard |
| DR. | Door | STL. | Steel |
| DBL. | Double | STOR. | Storage |
| DN. | Down | STR.L. | Structural |
| DS. | Downspout | SYM. | Symmetrical |
| DWR. | Drawer | SYS. | System |
| DWG. | Drawing | TEL. | Telephone |
| D.F. | Drinking Fountain | T.V. | Television |
| E.A. | Each | THK. | Thick |
| E.S. | Each Side | TOIL. | Toilet |
| E. | East | T.P.D. | Toilet Paper Dispenser |
| E.W.C. | Electric Water Cooler | T&G | Tongue and Groove |
| ELEC. | Electrical | T.C. | Top of Curb |
| EL. | Elevation | T.P. | Top of Pavement |
| ELEV. | Elevator | T.PL. | Top of Plate |
| EMER. | Emergency | T.W. | Top of Wall |
| ENCL. | Enclosure | T. | Treads |
| EQ. | Equal | TYP. | Typical |
| EQPT. | Equipment | UNF. | Unfinished |
| EXIST. | Existing | U.O.N. | Unless Otherwise Noted |
| EXP. | Expansion | UR. | Urinal |
| E.J. | Expansion Joint | V.P. | Veneer Plaster |
| EXP.O. | Exposed | V.G. | Vertical Grain |
| EXT. | Exterior | VEST. | Vestibule |
| E.I.F.S. | Exterior Insulation & | V.C.T. | Vinyl Composition Tile |
| F.O.C. | Face of Concrete | V.W.C. | Vinyl Wall Covering |
| F.O.F. | Face of Finish | WSC.T. | Wainscot |
| F.O.M. | Face of Masonry | WC. | Wallcovering |
| F.O.S. | Face of Studs | W.C. | Water Closet |
| F.FIN. | Factory Finish | W.H. | Water Heater |
| FIN. | Finish | WP. | Waterproof |
| F.F. | Finish Floor | WT. | Weight |
| F.F.E. | Finish Floor Elevation | W. | West |
| F.A. | Fire Alarm | WDW. | Window |
| F.E. | Fire Extinguisher | W/ | With |
| F.C.C. | Fire Extinguisher Cab | W/O | Without |
| F.H.C. | Fire Hose Cabinet | WD. | Wood |
| F.R.T. | Fire Retardant Treated | W.W.F. | Woven Wire Fabric |
| FFRF. | Fireproof | W.W.F. | Woven Wire Fabric |
| FIXT. | Fixture | W.W.F. | Woven Wire Fabric |
| F.B. | Flat Bar | W.W.F. | Woven Wire Fabric |
| F.H. | Flat Head | W.W.F. | Woven Wire Fabric |
| FL | Floor | W.W.F. | Woven Wire Fabric |
| F.D. | Floor Drain | W.W.F. | Woven Wire Fabric |
| F.P.H.B. | Freeze Proof Hose Bibb | W.W.F. | Woven Wire Fabric |
| FT. | Foot or Feet | W.W.F. | Woven Wire Fabric |
| FTG. | Footing | W.W.F. | Woven Wire Fabric |
| FDN. | Foundation | W.W.F. | Woven Wire Fabric |
| F.S. | Full Size, Scale | W.W.F. | Woven Wire Fabric |
| F.O.I.C. | Furnished by Owner, | W.W.F. | Woven Wire Fabric |
| | Installed by Contractor | W.W.F. | Woven Wire Fabric |
| FURR. | Furring | W.W.F. | Woven Wire Fabric |
| FUT. | Future | W.W.F. | Woven Wire Fabric |
| GALV. | Galvanized | W.W.F. | Woven Wire Fabric |
| G.I. | Galvanized Iron | W.W.F. | Woven Wire Fabric |
| G.D. | Garbage Disposal | W.W.F. | Woven Wire Fabric |
| GA. | Gauge | W.W.F. | Woven Wire Fabric |
| GLU-LAM | Glu-Laminated | W.W.F. | Woven Wire Fabric |
| GL. | Glass | W.W.F. | Woven Wire Fabric |
| G.B. | Grab Bar | W.W.F. | Woven Wire Fabric |
| GR. | Grade | W.W.F. | Woven Wire Fabric |
| GND. | Ground | W.W.F. | Woven Wire Fabric |
| GYP.BD. | Gypsum Wallboard | W.W.F. | Woven Wire Fabric |
| GYP.BD./WR. | Water Resistant | W.W.F. | Woven Wire Fabric |
| GYP. | Gypsum | W.W.F. | Woven Wire Fabric |
| HDWE. | Hardware | W.W.F. | Woven Wire Fabric |
| HT. | Height | W.W.F. | Woven Wire Fabric |
| H.C. | Hollow Core | W.W.F. | Woven Wire Fabric |
| H.C.P. | Hollow Core Plank | W.W.F. | Woven Wire Fabric |
| H.M. | Hollow Metal | W.W.F. | Woven Wire Fabric |
| HORIZ. | Horizontal | W.W.F. | Woven Wire Fabric |
| H.B. | Hose Bibb | W.W.F. | Woven Wire Fabric |
| HR. | Hour | W.W.F. | Woven Wire Fabric |
| IN. | Inches | W.W.F. | Woven Wire Fabric |
| I.D. | Inside Diameter (Dim.) | W.W.F. | Woven Wire Fabric |
| INSUL. | Insulation | W.W.F. | Woven Wire Fabric |
| INT. | Interior | W.W.F. | Woven Wire Fabric |
| JAN. | Janitor | W.W.F. | Woven Wire Fabric |
| JT. | Joint | W.W.F. | Woven Wire Fabric |
| K.D. | Kiln Dried | W.W.F. | Woven Wire Fabric |
| KIT. | Kitchen | W.W.F. | Woven Wire Fabric |
| K.D.N. | Knock Down | W.W.F. | Woven Wire Fabric |
| LAV. | Lavatory | W.W.F. | Woven Wire Fabric |
| LT. | Light | W.W.F. | Woven Wire Fabric |
| LKR. | Locker | W.W.F. | Woven Wire Fabric |
| MACH. | Machine | W.W.F. | Woven Wire Fabric |
| M.B. | Machine Bolt | W.W.F. | Woven Wire Fabric |
| MH. | Manhole | W.W.F. | Woven Wire Fabric |
| MFR. | Manufacturer | W.W.F. | Woven Wire Fabric |
| M.O. | Masonry Opening | W.W.F. | Woven Wire Fabric |
| MAX. | Maximum | W.W.F. | Woven Wire Fabric |
| MECH. | Mechanical | W.W.F. | Woven Wire Fabric |
| M.C. | Medicine Cabinet | W.W.F. | Woven Wire Fabric |
| MDO. | Medium Density Overlay | W.W.F. | Woven Wire Fabric |
| MEMB. | Membrane | W.W.F. | Woven Wire Fabric |
| MET. | Metal | W.W.F. | Woven Wire Fabric |
| MIN. | Minimum | W.W.F. | Woven Wire Fabric |
| MISC. | Miscellaneous | W.W.F. | Woven Wire Fabric |
| MTD. | Mounted | W.W.F. | Woven Wire Fabric |
| MUL. | Mullion | W.W.F. | Woven Wire Fabric |
| NOM. | Nominal | W.W.F. | Woven Wire Fabric |
| N. | North | W.W.F. | Woven Wire Fabric |
| N.I.C. | Not in Contact | W.W.F. | Woven Wire Fabric |
| N.T.S. | Not to Scale | W.W.F. | Woven Wire Fabric |
| NO. | Number | W.W.F. | Woven Wire Fabric |
| OBS. | Obscure | W.W.F. | Woven Wire Fabric |
| O.C. | On Center | W.W.F. | Woven Wire Fabric |
| OPNG. | Opening | W.W.F. | Woven Wire Fabric |
| OPP. | Opposite | W.W.F. | Woven Wire Fabric |
| O.H. | Opposite Hand | W.W.F. | Woven Wire Fabric |

BUILDING PLANS FOR:
EMERGENCY GENERATOR ADDITION TO
MIDWAY PUMP STATION
CANNON BEACH CLATSOP COUNTY, OR



GENERAL NOTES

- THE CONTRACTOR(S) SHALL PERFORM ALL DEMOLITION AND FURNISH/INSTALL ALL MATERIALS/SERVICES NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS UNLESS NOTED OTHERWISE.
- WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF CURRENT IBC, STATE OF OREGON STRUCTURAL SPECIALTY CODE AND FIRE AND LIFE SAFETY REGULATIONS, LAW OF THE STATE FIRE MARSHAL, APPLICABLE PLUMBING MECHANICAL, ELECTRICAL CODES AND OTHER APPLICABLE CODES AND ORDINANCES.
- THE CONTRACTOR(S) SHALL OBTAIN AND PAY FOR INSPECTIONS BY CITY OF CANNON BEACH BUILDING DEPARTMENT .
- NO FINAL PAYMENT SHALL BE ISSUED UNTIL THE CONTRACTOR DELIVERS TO OWNER A CERTIFICATE OF COMPLIANCE/OCCUPANCY.
- CONTRACTOR SHALL COORDINATE ALL SUBCONTRACTOR WORK.
- CONTRACTOR SHALL PROVIDE ON SITE SUPERVISION DURING ALL WORK.
- ALL EXISTING CONDITIONS SHALL BE VERIFIED DURING CONSTRUCTION.
- BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK,THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS AND ELEVATIONS WHICH ARE REQUIRED FOR CONNECTIONS TO, OR INSTALLATION IN, AREAS COVERED BY DOCUMENTS. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY ON THE PLANS OR THE SITE.
- ANY CHANGES OR REVISIONS TO THESE DRAWINGS BY OWNER, CONTRACTOR, OR SUBCONTRACTORS AFTER PERMIT ISSUANCE MUST BE REVIEWED AND APPROVED BY THE ARCHITECT ON RECORD PRIOR TO CONSTRUCTION.
- FLOOR JOIST AND PREMANUFACTURED TRUSS SHOP DRAWINGS, IF NOT PROVIDED BY ARCHITECT AT TIME OF PERMITTING, ARE REQUIRED TO BE REVIEW AND APPROVED BY THE ARCHITECT ON RECORD PRIOR TO MANUFACTURING AND INSTALLATION.

DRAWING INDEX

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| S2.1 | MISC. DETAILS | | |

PROJECT TEAM

OWNER:
CITY OF CANNON BEACH
163 E. GOWER
CANNON BEACH OR 97110

ARCHITECT:
TOLOVANA ARCHITECT LLC 503-436-0519
P.O. BOX 648, TOLOVANA PARK, OREGON 97145
DAVID VONADA, A.I.A. DAVID@TOLOVANAARCHITECTS.COM

STRUCTURAL ENGINEER:
VISTA STRUCTURAL ENGINEERING, LLC 971-233-6099
14718 NW DELIA STREET, PORTLAND OREGON 97229

BUILDING STATISTICS

| | |
|----------------------------|-----------------------------|
| JURISDICTIONS: | CITY OF CANNON BEACH OREGON |
| ZONING: | XX |
| OCCUPANCY GROUP | XX |
| BUILDING CONSTRUCTION TYPE | XX |
| FIRE SPRINKLERS | NO |
| BUILDING AREA: | |
| EXISTING PUMP BUILDING | APPROX. 40 S.F. |
| NEW ADDITION | APPROX. 133 S.F. |
| TOTAL BUILDING AREA: | APPROX. 173 S.F. |

ALLOWABLE HEIGHT: 28'-0" SEE SHEET A2.1

SYMBOLS LEGEND

| | | |
|----------------------|--|---|
| KEYNOTE | | KEYNOTE NUMBER |
| ROOM TAG | | ROOM NAME ROOM NUMBER |
| REVISION TAG | | REVISION NUMBER |
| ELEVATION TAG | | DETAIL NUMBER SHEET NUMBER |
| BUILDING SECTION TAG | | SECTION NUMBER SHEET NUMBER |
| DETAIL TAG | | DETAIL NUMBER SHEET NUMBER |
| | | SHEAR WALL DESIGNATION SEE SCHEDULE |
| TITLE LINE | | DRAWING NUMBER DRAWING NAME DRAWING SCALE SHEET NUMBER |

INSULATION TABLE



Tolovana Architect LLC

P.O Box 648
Tolovana Park, Oregon 97145



PERMIT SET

ADDITION PLANS FOR:

EMERGENCY GENERATOR ADDITION TO

MIDWAY PUMP STATION

W. MIDWAY AND S. PACIFIC AVE.
CANNON BEACH, OREGON 97110

| MARK | DATE | DESCRIPTION |
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| | 5-23-23 | SPEC. REV. |
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2023

COVER SHEET



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SPECIFICATIONS FOR MIDWAY PUMP STATION
GENERATOR ADDITION CANNON BEACH OREGON


GENERAL REQUIREMENTS

- A. Construction Type: Wood framed Type V B
- B. ~~Occupancy Group: U~~ 
- C. Foundation System: Reinforced concrete.
- D. Construction to meet local and State codes:
- E. ~~OSSC 2022~~ 
- F. International Residential Code
- G. NFPA
- H. OSHA
- I. Mechanical Code
- J. Electrical Code

DELEGATED DESIGN REQUIREMENTS

- A. Delegated Design Engineered Components: Delegated Design Engineered components known at this time to require structural review and submittal:
- B. ~~Pre-manufactured Trusses~~ 
- C. Wood I Joists
- D. Plumbing Systems
- E. Mechanical Systems
- F. Electrical Systems
- G. Fire Detection and Alarm
- H. Design drawings and structural calculations to bear seal and signature of licensed Professional Engineer in State which project is located.


QUALITY REQUIREMENTS

- A. Scope:
- B. Quality control services include inspections, tests, and related actions, including reports performed by Contractor, by independent agencies, and by governing authorities. Requirements do not include Contract enforcement activities performed by Architect.
- C. Perform Field Test on Mock-up when elected by Owner.
- D. ~~Comply with requirements of 2022 Oregon Structural Specialty Code.~~ 
- E. See Structural Notes

TEMPORARY TREE AND PLANT PROTECTION

- A. Protect existing trees to remain on or near project site from damage due to construction activities.

SELECTIVE DEMOLITION AND EXCAVATION


- A. Salvage and recycling all materials as feasible.
- B. Remove slabs and asphaltic paving, concrete foundations, abandoned utilities, and dispose off site.
- C. Protect all public utilities from damage due to construction activities.
- D. ~~Remove the above ground heating oil tank from garage.~~ 

CAST-IN-PLACE CONCRETE

- A. Provide foundation walls and footings as indicated on drawing, Structural Notes, and detail drawings.
- B. Formwork: Any standard products with sufficient strength to withstand hydrostatic head without distortion in excess of permitted tolerances.
- C. Standard Reinforcing Bars: ASTM A 615/A 615M, Grade 60.
- D. Galvanizing: ASTM A767/A 767M, Class I.
- E. Epoxy Coating: ASTM A 775/A 775M.
- F. Weldable Reinforcing Bars: ASTM A 706/A 706M, deformed low-alloy steel bars.
- G. Weldable Steel Mat: ASTM A 704/A 704M, using ASTM 615/A 615M Grade 60 steel bars or rods, unfinished.
- H. Stirrup Steel: ASTM A 82 steel wire, finish matching reinforcing bars.
- I. Fabrication of Reinforcement: Comply with ACI SP-66.
- J. Cement: ASTM C 150, Type I - Normal.
- K. Normal Weight Aggregates: ASTM C 33
- L. Fiber Reinforcement: Alkali-resistant glass fiber; ½-inch length.

- M. Water: Clean and not detrimental to concrete.
- N. Normal Weight Concrete: Proportions in compliance with ACI 211.1, recommendations
- O. Establish required average strength for each type of concrete based on field experience or trial mixtures, as specified in ACI 301.
- P. Strength: Minimum 3,000 PSI unless noted otherwise in Structural Notes.
- Q. Allowable Slump: 5-inches unless noted otherwise in Structural Notes.

PLACING AND FINISHING CONCRETE:

- A. Place concrete in accordance with ACI 304R.
- B. ~~Place and finish concrete for floor slabs in accordance with ACI 302.1R - Troweled Finish~~ 
- C. Do not interrupt successive placement; do not permit cold joints to occur.

ROUGH CARPENTRY

- A. Lumber Standards:
- B. Comply with PS 20 and grading rules of West Coast Lumber Inspection Bureau (WCLB), Western Wood Products Association (WWPA).
- C. Provide dressed lumber, S4S, unless rough lumber is specifically indicated.
- D. Moisture content 19 percent maximum, except as otherwise indicated for particular members.
- E. Concealed Dimension Lumber Studs: Douglas fir-larch, Douglas fir, or hem-fir, No. 2.
- F. Joists, Rafters, Posts, and Small Beams (Sizes Up to 4 x 16):
- G. Machine stress-rated (MSR) as follows:
- (1) Minimum Extreme Fiber Stress in Bending (Fb): 1350 psi.
- (2) Minimum Modulus of Elasticity (E): 1,300 ksi.
- H. Douglas fir-larch, Douglas fir, or hem-fir, No. 2.

- I. Exposed Dimension Lumber:
- J. Studs: Provide Douglas fir-harch, douglas fir, hem-fir, no. 2 preservative-treated.
- K. Joists, Rafters, Posts, and Small Beams (Sizes Up to 4 x 16):

- L. Species: Provide Douglas fir-harch, douglas fir, hem-fir, no. 2 preservative-treated.
- M. Subfloor/Underlayment Combination: APA Rated Sturd-I-Floor; Exposure Class Exterior; span rating of 16 in on center; tongue and groove edges.

- N. APA Rated Subflooring: Exposure Class Exterior; span rating of 32/16 in.

- O. Particleboard Subflooring: ANSI A208.1, Grade M-2 exterior glue waferboard; ½ in thickness; square edge.

- P. APA Rated Roof Sheathing: Exposure Class Exterior, Structural I; span rating of 24/0 in.

- Q. APA Rated Wall Sheathing: Exposure Class Exterior, Structural I; span rating of 24/0 in.

- R. Joist Hangers: Hot dipped galvanized steel, G185 - interior. Type 304 stainless steel or ZMAX - exterior.

- S. Wood Treatment: Comply with AWWA U1.

- T. Fire Retardancy: Pressure impregnated chemical treatment; Use Category UCFA for interior, UCFB for exterior. Where noted.

- U. Preservative Pressure Treatment: Borate preservative.

- V. Treat furring in rainscreen system. Where noted.

- W. Preservative Pressure Treatment: AWWA Use Category UC3B, Commodity Specification A (Treatment C2) using waterborne preservative to 0.25 lb/cu ft retention, CCA or ACQ.

- X. Pressure treat cants, nailers, blocking, curbs, equipment support bases, stripping and similar items in association with roofing and flashing.

WOOD I JOISTS



- A. Wood chord and plywood web "I" joists for floor / roof framing engineered by contractors supplier.
- B. Manufacturer: Wood "I" joists by Weyerhaeuser or Boise Cascade.

GLUE-LAMINATED BEAMS

- A. Glue-laminated beams.

- B. Appearance Grade: Industrial unless otherwise noted.
- C. Comply with ANSI/AITC A190.1.
- D. Combination Symbol: 24-F-X4 DF/DF at simple spans and 24-F-V8 DF/DF at multiple and cantilever spans, conforming to WWPA grading rules with 12 percent maximum moisture content before fabrication.
- E. Adhesive: Wet use
- Exterior Architectural woodwork
- A. Scope: Exterior standing and running trim.
- B. Wood Species: Western Red Cedar. Select Structural Western Red Cedar.
- C. Appearance: Resawn


INTERIOR ARCHITECTURAL WOODWORK

- A. ~~Scope: Interior Trim~~ 
- B. Standards: Comply with AWI Custom quality standards.
- C. Finish: as selected by Owner.
- D. ~~Wood Species: Match existing house.~~ 

BITUMINOUS DAMPPROOFING

- A. Scope: Cold-applied asphalt emulsion dampproofing as indicated on drawings.
- B. Cold-Applied Asphalt Dampproofing Mastic: Asphalt roof cement complying with ASTM D 4586, Type I.
- C. MATERIALS: BITUMINOUS DAMPPROOFING. COMPLY WITH ASTM D1227, TYPE III OR IV.Manufacturers: Chem RexInc, Kamak Chemical Crcorporation, W.R. Meadows Inc., or approved.

SOUND ATTENUATION INSULATION

- A. Owens Corning sound attenuation batting or equal.
- C. ~~Face Batt Insulation: R-VALUE AS SCHEDULED ON DRAWINGS. MAXIMUM 1.0 PERMEABILITY.~~ 

FOAMED-IN-PLACE INSULATION

BASF Polyurethane Foam Enterprises LLC: www.foamenterprises.com.
BIOBASED SYSTEMS, LLC: PRODUCT: BIOBASED 501; WWW.BIOBASED.NET. DEMILEC USA; PRODUCT: SEALECTION 500; WWW.SEALECTION500.COM

BUILDING PAPER WEATHER BARRIERS

- A. ASPHALT SATURATED FELT, NON-PERFORATED BREATHER TYPE PAPER: ASTM D226, TYPE I, GRADE D, STYLE 2. TWO PLY JUMBOTEX.
- B. Fortifiber Building Systems Group: Product: Super Jumbo Tex; www.fortifiber.com. Or approved
- C. Water Hold Out: ASTM D-779; 60 minutes.
- D. Vapor Permeability: ASTM E96; 11 grams.
- E. Tensile Strength: ASTM D-828; MD=70 lb f/inch and CD=60 lb f/inch.
- F. Sealant: Moistop Sealant or type approved by manufacturer for application.
- G. Sealing Tape: Type recommended by manufacturer.
- H. Fasteners: Galvanized nails or screws with large heads or plastic washer heads.

SELF-ADHERED MEMBRANE FLASHING

- A. Sheet Membrane Flashing:
- B. Locations: Opening penetrations and as indicated:
- C. General:
- (1) Reinforced polyethylene-faced, rubberized, self-adhesive membrane.
- (2) Thickness: 25 mils. Includes removable release film protecting adhesive surface.
- D. Manufacturers:
- (1) Henry Company; Product: BlueSkin TWF; www.henry.com.
- (2) International Building Components; Product WaterBlock - 40; www.waterblocksystems.com.
- (3) Fortifiber Building Systems Group, FortiFlash; www.fortifiber.com
- E. Surface Conditioners/Primers: High-tack SBS rubber based primer or as recommended by manufacturer.
- F. Fasteners: Stainless steel.
- G. Detailing Compounds: Liquid membrane, 1 or 2 component sealants or mastics supplied by membrane manufacturer intended for detailing around penetrations and at lapped seams.

WOOD SIDEWALL SHINGLES

EXHIBIT F

- A. Sidewall shingles manuf. by Cedar Shingle Bureau. Certi-Sawn Tapersaw Shakes
- B. Wood Shingles: Western Red Cedar, CSSB No.1 Grade, Blue Label. Member mill.
- C. Size: 16 inches long.
- D. Exposure: 6" unless otherwise noted.
- E. Pressure fire retardant treated; Class C, where required.
- F. Nails: Standard round wire shingle type, stainless steel of sufficient length to penetrate through wall sheathing.
- G. Metal Flashings: Provide stainless steel sheet metal flashing as indicated.

COMPOSITION ROOF SHINGLES (NOT USED)

- A. Composition roof shingles manuf. by IKO - Certainteed EQ alt.
- B. Composition Shingles: Dynasty or Cambridge Architectural. Color as selected by Owner. Min 30yr warranty
- C. Design Wind Speed: 130 mph
- D. Exposure On Roofs: Not more than that recommended by Manuf. for roof slope and type of underlayment used.
- E. Ridge and Hip Caps: Prefabricated lapped single ply units of matching quality and thickness.
- F. Valleys: Open, with shingles cut for straight edge.
- G. Roofing Membrane: All roofs to have full ice/water self adhered membrane.
- H. Nails: Standard round wire shingle type, aluminum or hot-dipped zinc coated steel, of sufficient length to penetrate through roof sheathing or ¾ inch into roof sheathing or decking.
- I. Plastic Cement: ASTM D 4586, asphalt roof cement.
- J. Ridge Vents: Per roofing selected
- K. Metal Flashings: Provide stainless steel sheet metal eave edge, gable edge, ridge, open valley flashing, dormer flashing, and other flashing indicated.
- L. Bituminous Paint: Acid and alkali resistant type; black color


SHEET METAL FLASHING AND TRIM


- A. Stainless Steel Sheet: ASTM A 666. Type 304.
- B. Medium Weight: 0.015 inch thick
- C. Copings, Fascia and exposed Trim: stainless steel medium weight specified above.
- D. Joints: Sealed with sealant; interlocking seams providing movement at maximum 10 feet on center.

JOINT SEALERS

- A. Silicone Sealant:Single-component, non-sag, joint movement range 50-100 percent in extension and 50 percent in compression.Dow Corning 790 or 795
- B. Polyurethane Sealant:Two-component, non-sag, joint movement range 50 percent in extension and compression.Mameco Vulkem 922, Pecora Dynatrol II, Sonolastic NP2, Trimco 511
- C. Foam Air-Infiltration Sealant: Grace Polycel One, DAP Kwik Foam, Silicone Rubber Sealant: Single-component, architectural grade. Dow Corning 786, Tremco Proglaze
- D. At openings and joints in exterior walls: Silicone sealant.
- E. At opening and joints in interior walls: Polyurethane sealant.
- F. At electrical boxes and exterior walls where insulation is interrupted: Foam air-infiltration sealant.
- G. At toilet fixture joints: Silicone rubber sealant.
- H. Warranty: 5-years.

DOORS

- A. ~~Exterior Front Entry Door: Wood~~ 
- B. Exterior Doors: Epoxy painted steel
- C. Interior Doors: Epoxy painted K.D. steel frames
- D. Type: Per door schedule.
- E. Style & material: Per door schedule.


- F. ~~Construction~~ 
- G. ~~Units: Solid core wood~~
- H. ~~Interior Wood Frames~~

- ~~Material: Hem fir~~ 
- J. Finish: Paint as scheduled.

POWERED LOUVER VENTS

- A. Manufacturer: Air Louvers or equal.
- B. Material: Stainless steel or aluminum.
- C. Size: Per HVAC Contractor & CAT.
- D. ~~Screens: Fiberglass~~
- E. ~~Glazing: Dual pane low E~~
- F. ~~Argon filled air space~~
- G. ~~Grid: To match main residence~~
- H. ~~Interior wood to be finished per owner~~


GYPSUM BOARD ASSEMBLIES

- A. Minimum Panel Thickness: ½-inch.
- B. Face Panels: ASTM C 36.
- C. W.R. Backing Panels: ASTM C 630, Standard and Type X.
- D. Cementitious Backer Units (Cement Board): ANSI A1 18.9.
- E. Minimum Wall Panel Thickness: ½-inch.
- F. Tile Backer Board: Glass-Mat Water Resistant Gypsum Tile Backer per ASTM 1178, 5/8 inch thick.
- G. Outside Corner Trim: Galvanized steel or PVC.
- H. Panel Edge Trim: Galvanized steel or PVC.
- I. 16 to 20 Gage Framing Screws: Type S, Bugle Head.
- J. ~~Wall Insulation Thickness: 3 inches~~ 
- K. Gypsum Board Panels Finish: Level of finish per Northwest Wall and Ceiling Bureau.
- L. Concealed areas: Level 1.
- M. At substrate for tile: Level 2.
- N. Painted walls and ceilings: Level 4.

FIRE PROTECTION SPECIALTIES

- A. Provide smoke detector system as required by Code.

INTERIOR & EXTERIOR LIGHTING

- A. Exterior
1. Water resistant LED
2. Per Owner.
- B. Interior Strip Light
1. Vapor resistant LED
2. PVC Case
3. Lexan lense or equal.
4. Per Owner 

EXCAVATION

- A. Scope:
- B. Provide rough grading for foundation and finished grading as shown on drawings.
- C. Stockpile spoils on-site as directed by owner.

EROSION AND SEDIMENTATION CONTROL

- A. Scope: Provide means to control of containment of erosion and sediment materials on site.

SITE SANITARY UTILITY SEWERAGE PIPING

- A. Protect existing system from damage during construction activities.

SITE STORM UTILITY DRAINAGE PIPING

- A. Make connection to existing.

FOUNDATION DRAINAGE

- A. Continuous perforated perimeter footing drain line at exterior base of foundation wall. Connect to storm drain.



Tolovana Architect LLC

P.O Box 648
Tolovana Park, Oregon 97145




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ADDITION PLANS FOR:

EMERGENCY GENERATOR ADDITION TO

MIDWAY PUMP STATION

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SPECIFICATIONS

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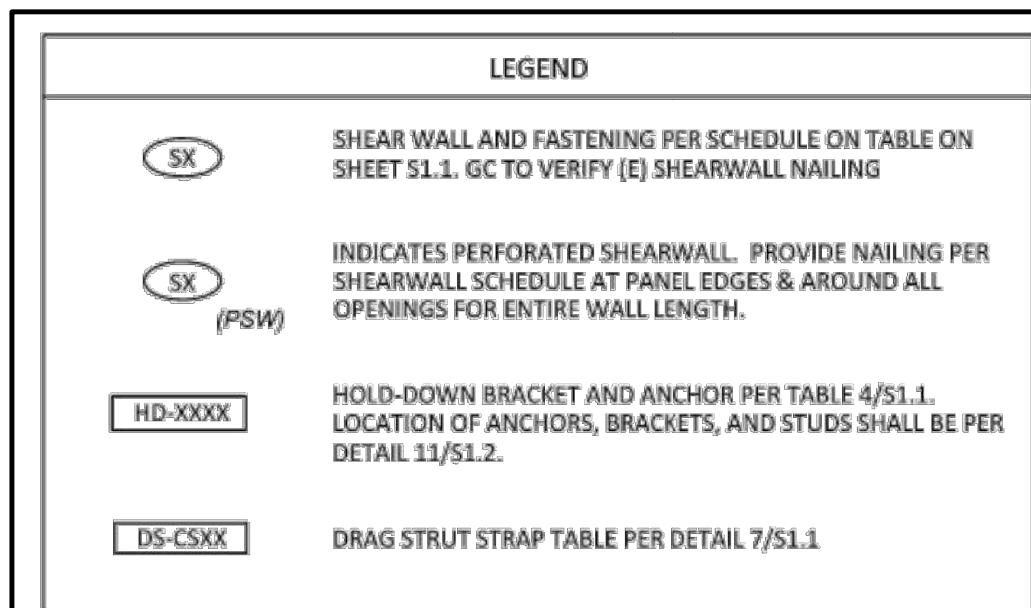
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PLANS, ELEVS.
& SECTIONS

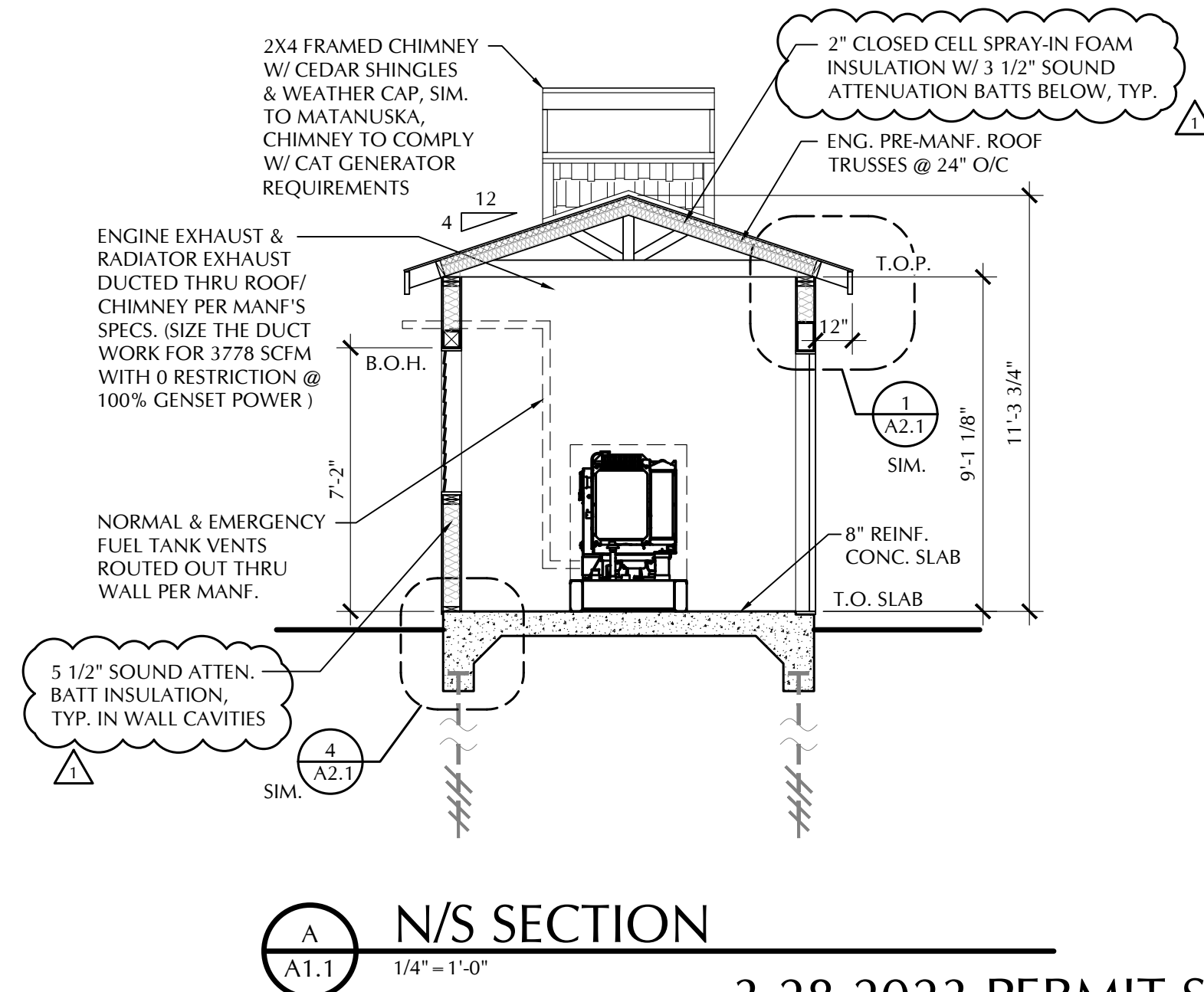
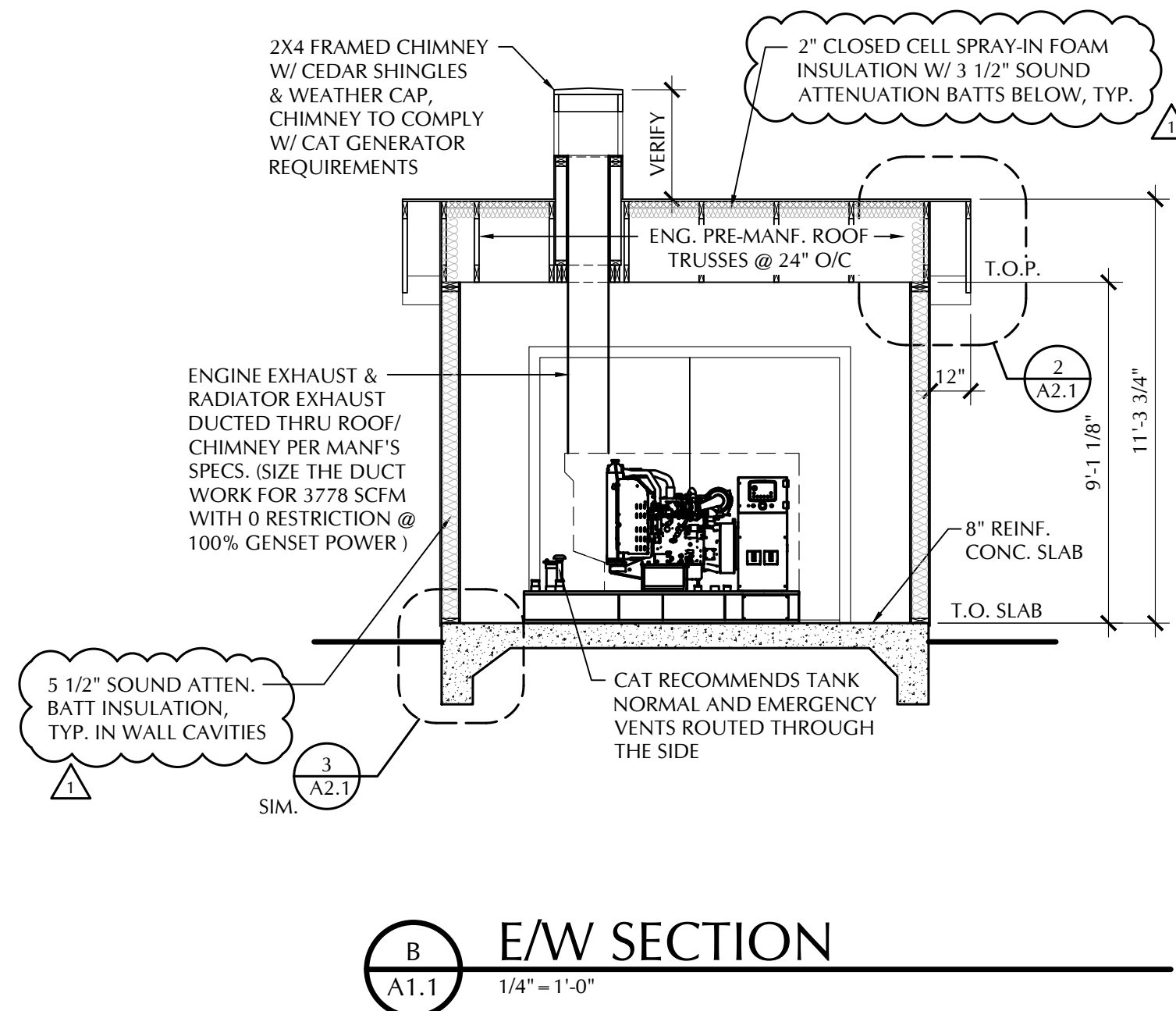
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SPECIAL NOTE FOR PRE-MANUFACTURED TRUSSED ROOFS:
VISTA STRUCTURAL, LLC IS NOT RESPONSIBLE FOR ANY INTERIOR
FINISH DAMAGE (NAIL HEAD PROTRUSIONS, JOINT SEPARATION,
DRYWALL CRACKING, ETC.) DUE TO MOVEMENT AT TRUSS,
INTERIOR NON-LOAD BEARING WALLS AND PARTITIONS...ETC.

SPECIAL NOTE:
ALL WATERPROOFING, DAMP PROOFING,
AND WEATHERPROOFING SHALL BE THE
RESPONSIBILITY OF THE CONTRACTOR.

1. SEE DESIGN PLAN SHEET FOR ALL FDN DIMENSIONS NOT SHOWN. GC TO VERIFY AND NOTIFY ENGINEER IF ANY DISCREPANCIES.
2. IN ADDITION TO THE GENERAL NOTES & SPECIFICATIONS DETAILED IN THIS PLAN SET, ALL WORK & MATERIALS SHALL CONFORM TO THE 2018 IBC AND THE OSSC.
3. FOUNDATION DESIGNED USING SOIL CLASSIFICATION "D". DESIGN SOIL BEARING PRESSURE ALLOWABLE = 1500 psf.
4. BOTTOM OF FOOTINGS TO BE PLACED BELOW A FROST DEPTH OF 12".
5. ALL CONCRETE SHALL BE CURED PER ACI 318-14 STANDARDS.
6. ALL REBAR SHALL BE ASTM A615 GRADE 60.
7. ALL THE WIRE SHALL BE Min. #16 ANNEALED STEEL. ALL REINFORCING STEEL SHALL BE TIED 100% ALONG ALL PERIMETER EDGES AND 50% FIELD.
8. ALL REBAR LAP SPLICES ARE TO BE CLASS B, PER ACI 318-14.
9. REBAR IN FOOTINGS SHALL BE SUPPORTED ON WELL CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, AS SPECIFIED BY THE CRSI MANUAL OF STANDARD PRACTICE, MSP-1.
10. COORDINATE PENETRATIONS OF SITE UTILITIES, MECHANICAL DUCTS, PIPING, AND ELECTRICAL CONDUIT/PANELS TO MINIMIZE IMPACT TO STRUCTURAL FRAMING. PLUMBING FIXTURES SHOWN ON FLOOR FOR REFERENCE AND POSSIBLE FRAMING CONFLICTS ONLY.
11. REFER TO DETAILS 2/S1.2, 3/S1.2 AND 4/S1.2 FOR TYPICAL FRAMING AND PLATE NOTCHING, BORING AND CUTTING REQUIREMENTS.
12. REFER TO DETAIL 8/S1.2 FOR POST AT FLOOR BLOCKING REQUIREMENTS
13. COORDINATE ALL DIMENSIONS & FEATURES NOT SHOWN WITH DESIGN PLANS.
14. TRUSS SUPPLIER TO PROVIDE TYPICAL TRUSS CLIP AT EACH TRUSS, ADDITIONAL UPLIFT CLIPS SHOWN ARE BASED ON TRUSS ENGINEERING AS SUBMITTED BY TRUSS SUPPLIER.
15. TRUSS SUPPLIER TO PROVIDE NECESSARY STUDS FOR GIRDER TRUSS SUPPORT & ALL REQUIRED ADDITIONAL HANGERS FOR TRUSS SUPPORT, INCLUDING UPLIFT STRAPPING
16. TRUSS LAYOUT IS FOR REFERENCE ONLY. PLEASE CONFIRM LAYOUT & BEARING CONDITIONS WITH TRUSS SUPPLIER'S LAYOUT PLAN.
17. SEE SHEET S0.0 FOR ALL NOTES AND SCHEDULES.



P.O. BOX 648
Tolovana Park, Oregon 97145



PERMII SEI

ADDITIONAL TRANSPORT:
EMERGENCY GENERATOR ADDITION TO
MIDWAY PUMP STATION
W. MIDWAY AND S. PACIFIC AVE.
CANNON BEACH, OREGON 97110

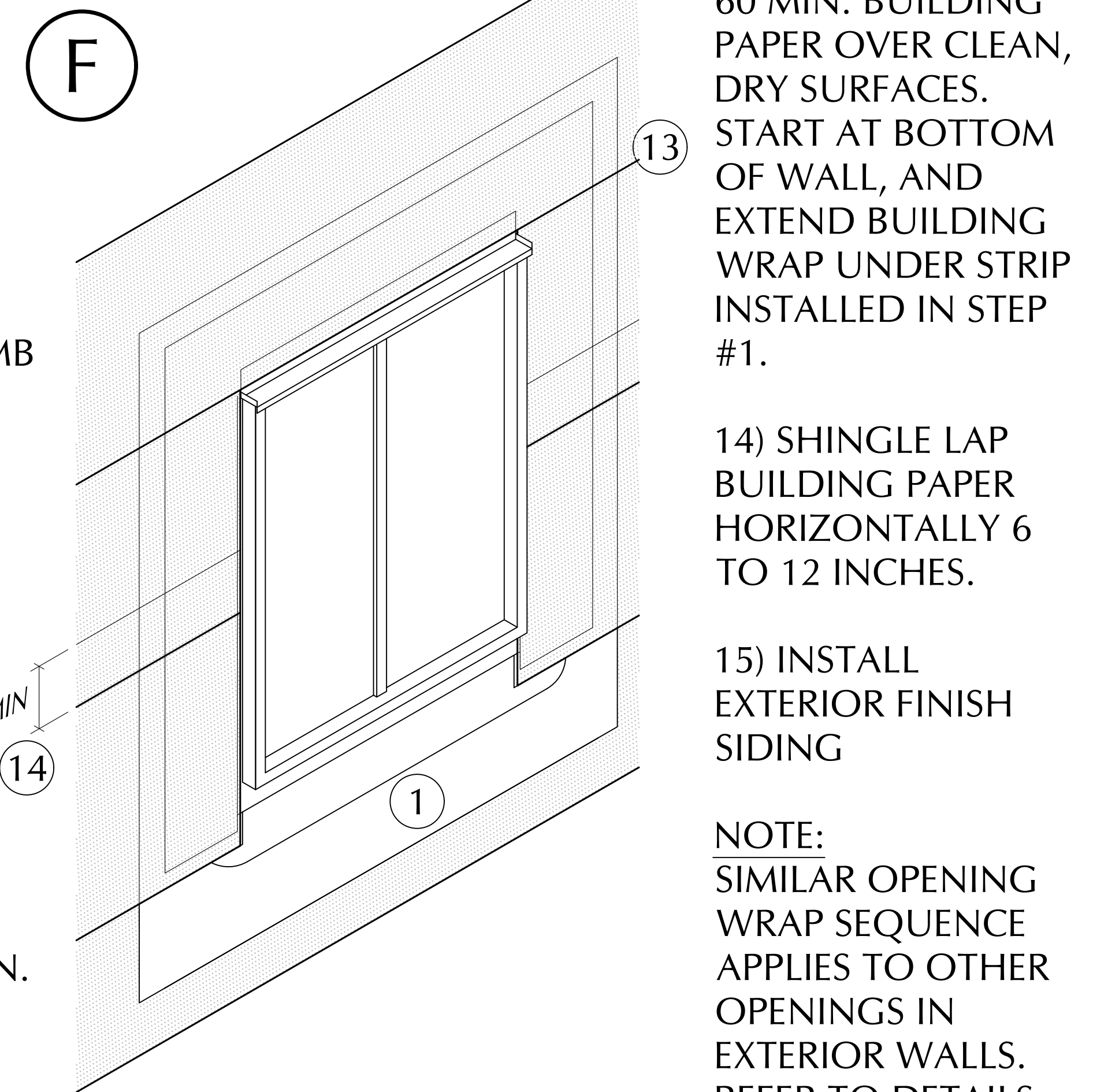
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WINDOW INSTALLATION SEQUENCE DIAGRAM

A3.1



NOTE:
SIMILAR OPENING
WRAP SEQUENCE
APPLIES TO OTHER
OPENINGS IN
EXTERIOR WALLS.
REFER TO DETAILS.

1
A3.1

NOT TO SCALE

GENERAL REQUIREMENTS

- THE STRUCTURAL NOTES SUPPLEMENT THE PLANS AND SPECIFICATIONS. ANY DISCREPANCY FOUND BETWEEN THE DRAWINGS, NOTES, SITE CONDITIONS, AND ARCHITECTURAL PLANS SHALL BE REPORTED TO THE ARCHITECT OR ENGINEER WHO SHALL CORRECT THE DISCREPANCY IN WRITING. ANY WORK COMPLETED AFTER DISCOVERY OF THE DISCREPANCY SHALL BE DONE AT THE CONTRACTOR'S RISK. REFER TO ARCHITECTURAL PLANS FOR OPENINGS, ARCHITECTURAL TREATMENTS, AND DIMENSIONS NOT SHOWN.
- THE CONTRACTOR SHALL PROVIDE BRACING AND SUPPORT REQUIRED FOR TEMPORARY CONSTRUCTION LOADS AND FOR STRUCTURAL COMPONENTS AS REQUIRED DURING ERECTION. BACKFILL BEHIND WALLS SHALL NOT BE PLACED UNTIL THE WALLS ARE PROPERLY SUPPORTED BY FLOOR SYSTEM AND FLOOR DIAPHRAGM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE EXCAVATION, SHORING, AND OTHER WORK WITH ALL UTILITIES AND ADJACENT PROPERTIES. CALL THE UTILITY LOCATE SERVICE PRIOR TO ANY WORK AT (800) 332-2344
- MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL HARDWARE AND MANUFACTURED STRUCTURAL PRODUCTS SHALL BE AVAILABLE ON THE JOBSITE AT THE TIME OF INSPECTION, FOR THE INSPECTOR'S USE AND REFERENCE.

CODE REQUIREMENTS

- ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE OREGON RESIDENTIAL SPECIALTY CODE (ORSC) AND THE OREGON STRUCTURAL SPECIALTY CODE (OSSC), BOTH AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION

DESIGN LOADS

| LIVE LOADS | |
|--|--------|
| ROOF (SNOW + RAIN-ON-SNOW SURCHARGE) | 25 PSF |
| FLOORS (SLEEPING) | 30 PSF |
| FLOORS (NON-SLEEPING) | 40 PSF |
| UNINHABITABLE ATTICS WITHOUT STORAGE(b) | 10 PSF |
| UNINHABITABLE ATTICS WITH LIMITED STORAGE (b,g) | 20 PSF |
| HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS | 30 PSF |
| (b) UNINHABITABLE ATTICS WITHOUT STORAGE ARE THOSE WHERE THE MAXIMUM CLEAR HEIGHT BETWEEN JOISTS AND RAFTERS IS LESS THAN 42 INCHES, OR WHERE THERE ARE NOT TWO OR MORE ADJACENT TRUSSES WITH WEB CONFIGURATIONS CAPABLE OF ACCOMMODATING AN ASSUMED RECTANGLE 42 INCHES HIGH BY 24 INCHES IN WIDTH, OR GREATER, WITHIN THE PLANE OF THE TRUSSES. THIS LIVE LOAD NEED NOT BE ASSUMED TO ACT CONCURRENTLY WITH ANY OTHER LIVE LOAD REQUIREMENTS. | |
| (g) UNINHABITABLE ATTICS WITH LIMITED STORAGE ARE THOSE WHERE THE MAXIMUM CLEAR HEIGHT BETWEEN JOISTS AND RAFTERS IS 42 INCHES OR GREATER, OR WHERE THERE ARE TWO OR MORE ADJACENT TRUSSES WITH WEB CONFIGURATIONS CAPABLE OF ACCOMMODATING AN ASSUMED RECTANGLE 42 INCHES IN HEIGHT BY 24 INCHES IN WIDTH, OR GREATER, WITHIN THE PLANE OF THE TRUSSES. THE LIVE LOAD NEED ONLY BY APPLIED TO THOSE PORTIONS OF THE JOISTS OR TRUSS BOTTOM CHORDS WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET: 1) THE ATTIC AREA IS ACCESSIBLE FROM AN OPENING NOT LESS THAN 20 INCHES IN WIDTH BY 30 INCHES IN LENGTH THAT IS LOCATED WHERE THE CLEAR HEIGHT IN THE ATTIC IS A MINIMUM OF 30 INCHES; 2) THE SLOPES OF THE JOISTS OR TRUSS BOTTOM CHORDS ARE NOT GREATER THAN 2:12; 3) REQUIRED INSULATION DEPTH IS LESS THAN THE JOIST OR TRUSS BOTTOM CHORD MEMBER DEPTH. THE REMAINING PORTIONS OF THE JOISTS OR TRUSS BOTTOM CHORDS SHALL BE DESIGNED FOR A UNIFORMLY DIST. CONCURRENT LIVE LOAD OF NOT LESS THAN 10 PSF. | |

| WIND DESIGN DATA (BASED ON ASCE7-16 SIMPLIFIED METHOD): | |
|--|-------------------------|
| BASIC WIND SPEED: | 145 MPH (LRFD) |
| WIND IMPORTANCE FACTOR: | I = 1.0 |
| WIND EXPOSURE: | D |
| ADJUSTMENT FACTOR | $\lambda = 1.47$ |
| TOPOGRAPHICAL FACTOR | Kzt = 1.0 |
| EARTHQUAKE DESIGN DATA (BASED ON ASCE7-16 EQUIVALENT FORCE METHOD) | |
| SEISMIC IMPORTANCE FACTOR | I = 1.50 |
| SPECTRAL RESPONSE ACCELERATIONS | Ss = 1.314 & S1 = 0.689 |
| SEISMIC SITE CLASS | D2 |
| SEISMIC FORCE RESISTING SYSTEM | BEARING WALL SYSTEM |
| RESPONSE MODIFICATION FACTOR | R = 6.5 |
| DESIGN BASE SHEAR | V = 0.243W |

GEOTECHNICAL INFORMATION

- ALL FOUNDATIONS ARE TO BE FOUNDED ON COMPETENT NATIVE MATERIAL OR BY OTHER MEANS AS DEFINED BY A LICENSED GEOTECHNICAL ENGINEER.
- CONVENTIONAL FOUNDATIONS HAVE BEEN DESIGNED WITH THE FOLLOWING PARAMETERS:

| | |
|----------------------------------|------------|
| ALLOWABLE BEARING PRESSURE | 1500 PSF |
| ACTIVE EARTH PRESSURE (YIELDING) | 40 PSF/FT |
| ACTIVE EARTH PRESSURE (AT-REST) | 60 PSF/FT |
| PASSIVE EARTH PRESSURE | 100 PSF/FT |
| COEFFICIENT OF FRICTION | 0.30 |
| SOIL SITE CLASS | D |

SHOP DRAWING SUBMITTAL PROCESS

- SHOP DRAWINGS ARE TO BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION. IF SHOP DRAWINGS DIFFER FROM THE APPROVED DESIGN DRAWINGS, NEW DESIGN DRAWINGS BEARING THE SEAL AND SIGNATURE OF A LICENSED STATE OF OREGON ENGINEER COMPETENT IN STRUCTURAL DESIGN SHALL BE SUBMITTED ALONG WITH THE SHOP DRAWINGS TO THE APPROPRIATE JURISDICTION FOR APPROVAL PRIOR TO FABRICATION
- SHOP DRAWINGS ARE REQUIRED FOR THE PREFABRICATED WOOD TRUSSES
- CALCULATIONS BEARING THE SEAL AND SIGNATURE OF A LICENSED STATE OF OREGON ENGINEER COMPETENT IN STRUCTURAL DESIGN SHALL BE SUBMITTED ALONG WITH THE SHOP DRAWINGS FOR PREFABRICATED PLATED WOOD TRUSSES

INSPECTIONS AND SPECIAL INSPECTIONS

- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL INSPECTIONS REQUIRED BY THE LOCAL BUILDING DEPARTMENT
- SPECIAL INSPECTIONS ARE REQUIRED ALL POST-INSTALLED ANCHORS INTO EXISTING CONCRETE.
- THE MANUFACTURES INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT THE TIME OF INSPECTION.

EXCAVATION SUPPORT AND PROTECTION

- EXCAVATION SLOPES SHALL BE SAFE AND SHALL NOTE BE GREATER THAN THE LIMITS SPECIFIED BY LOCAL, STATE, AND NATIONAL SAFETY REGULATIONS
- INSTALLATION OF CONSTRUCTION SHORING, IF REQUIRED, SHALL BE PER THE SHORING DRAWINGS, NOTES, AND SPECIFICATIONS

BACKFILL AND COMPACTION

- BACKFILL SHALL NOT BE PLACED UNTIL THE REMOVAL OF FORMWORK AND OF ANY DEBRIS. BACKFILL BEHIND ALL WALLS SHALL NOT BE PLACED UNTIL THE WALLS ARE PROPERLY SUPPORTED. ALL BACKFILL MATERIAL AND PLACEMENT PROCEDURES SHALL BE CONSISTENT WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS

CONCRETE

- CONCRETE CONSTRUCTION SHALL CONFORM TO THE ACI 318-14 STANDARD
- CEMENT AND CONCRETE SHALL CONFORM TO IBC SECTION 1903. ADMIXTURES SHALL BE APPROVED BY THE ENGINEER OF RECORD AND SHALL COMPLY WITH ACI 318-14 SECTION 3.6. CONCRETE EXPOSED TO FREEZING AND THAWING SHALL HAVE AN AIR ENTRAINING ADMIXTURE CONFORMING TO IBC SECTION 1904.2. THE USE OF WATER SOLUBLE CHLORIDE ION SHALL NOT BE USED.
- CONCRETE MIX DESIGNS SHALL MEET THE FOLLOWING REQUIREMENTS:

| 28-DAY STRENGTH (PSI) | MAX. W/C RATIO | MAX. SLUMP (INCHES) | AIR ENTR. (PERCENT) | SPECIAL INSP. REQUIRED? | LOCATION/ APPLICATION |
|-----------------------|----------------|---------------------|---------------------|-------------------------|--|
| 3000 | 0.45 | 4 +/- 1 | 0 +/- 1 | NO | FOOTINGS |
| 3000 | 0.45 | 4 +/- 1 | 5 +/- 1 | NO | FOUNDATION & STEM WALLS |
| 3000 | 0.45 | 4 +/- 1 | 5 +/- 1 | NO | EXT SLAB ON GRADE, DRIVEWAY, CURBS, WALKWAYS, PATIOS, PORCHES, STEPS EXPOSED TO WEATHER, GARAGE FLOORS |

- | | | | | | |
|------|------|---------|---------|----|--------------------|
| 3000 | 0.50 | 5 +/- 1 | 0 +/- 1 | NO | ALL OTHER CONCRETE |
|------|------|---------|---------|----|--------------------|
- RESHORING, WHERE REQUIRED, SHALL CONFORM TO ACI 301 SECTION 4.6. SUBMIT PROPOSED RESHORING PLANS TO THE ENGINEER OF RECORD FOR REVIEW.
 - FOUNDATION WAS DESIGNED FOR A Fc = 2500 psi THEREFORE NO SPECIAL INSPECTION IS REQUIRED.
 - CHAMFER ALL EXPOSED CORNERS PER THE ARCHITECTURAL PLANS OR ¼ INCH IF NOT SPECIFIED BY THE ARCHITECT

REINFORCING STEEL

- REINFORCING STEEL DETAILING, FABRICATION, AND PLACEMENT SHALL BE PER ACI 318-14.
- #3 AND #4 BARS SHALL BE ASTM A615 DEFORMED BARS, MINIMUM GRADE 60
- #5 BARS AND LARGER SHALL BE ASTM A615 DEFORMED BARS, MINIMUM GRADE 60
- REINFORCING FOR SLABS ON GRADE SHALL BE 6x6 W1.4xW1.4 W.W.F., UNLESS NOTED OTHERWISE.
- ALL #3 BARS SHALL HAVE CLASS B SPLICES A MINIMUM 21" IN LENGTH
- ALL #4 BARS SHALL HAVE CLASS B SPLICES A MINIMUM 28" IN LENGTH
- REINFORCING STEEL COVER SHALL BE AS FOLLOWS:

| | |
|---|-----|
| CAST AGAINST EARTH: | 3" |
| FORMED SURFACE EXPOSED TO EARTH OR WEATHER: | 1½" |
| CONCRETE NOT EXPOSED TO EARTH OR WEATHER: | 1" |

TREATED WOOD

- TREATED WOOD SHALL BE REQUIRED FOR:
- ALL WOOD THAT FORMS THE STRUCTURAL SUPPORT OF THE BUILDING, BALCONIES, PORCHES, OR SIMILAR PERMANENT BUILDING APPURTENANCES THAT ARE EXPOSED TO THE WEATHER WITHOUT ADEQUATE PROTECTION FROM A ROOF, EAVE, OVERHANG, OR OTHER COVERING TO PREVENT MOISTURE OR WATER ACCUMULATION AT THE SURFACE OR AT JOINTS BETWEEN MEMBERS
 - ALL WOOD INSTALLED ABOVE GROUND AND RESTING ON AN EXTERIOR CONCRETE OR MASONRY FOUNDATION WALL LESS THAN EIGHT INCHES FROM EXPOSED EARTH.
 - POSTS OR COLUMNS SUPPORTING PERMANENT STRUCTURES AND SUPPORTED BY A CONCRETE SLAB OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, EXCEPT:
 - IF LOCATED IN BASEMENTS ON A CONCRETE PIER OR METAL PEDESTAL ONE INCH ABOVE THE SLAB AND SEPARATED BY AN IMPERVIOUS MOISTURE BARRIER
 - IF IN AN ENCLOSED CRAWL SPACE OR AN UNEXCAVATED AREA WITHIN THE BUILDING PERIPHERY AND SUPPORTED BY A CONCRETE PIER OR PEDESTAL MORE THAN 8 INCHES FROM EXPOSED GROUND AND SEPARATED BY AN IMPERVIOUS MOISTURE BARRIER
 - SLEEPERS AND SILLS ON A CONCRETE SLAB ON GRADE THAT DOES NOT HAVE AN IMPERVIOUS MOISTURE BARRIER SEPARATION WITH EXPOSED EARTH
 - LEDGERS AND FURRING ATTACHED DIRECTLY TO THE INTERIOR OF EXTERIOR CONCRETE OR MASONRY WALLS BELOW GRADE
 - PRESERVATIVE TREATMENT SHALL BE PER AWPA SPECIFICATION C2 AND C9, OR APPLICABLE STANDARDS
 - ALL FASTENERS IN CONTACT WITH TREATED LUMBER SHALL BE CORROSION RESISTANCE G-185 HOT-DIPPED GALVANIZED PER ASTM A153, OR STAINLESS STEEL

ROUGH FRAMING

- SAWN LUMBER SHALL CONFORM TO WCLIB GRADING AND DRESSING RULES NO. 17, LATEST EDITION. SAWN LUMBER SHALL BE S4S AND SURFACE DRIED, 19% MAX. MOISTURE CONTENT. PROTECT LUMBER FROM WEATHER AND PROVIDE FURTHER DRYING OF ASSEMBLED FRAMING TO MINIMIZE WOOD SHRINKAGE POTENTIAL. ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVATIVE TREATED U.N.O. PER PLAN. LUMBER SPECIES, GRADE, AND PROPERTIES FOR EACH USE/LOCATION SHALL BE AS FOLLOWS, U.N.O. PER PLAN/SCHEDULE:

| USE/LOCATION | SPECIES | GRADE | Fb (PSI) | Fv (PSI) | Fcp (PSI) | Fc (PSI) | E (PSI) |
|-------------------------------|---------|-------|----------|----------|-----------|----------|---------|
| WALL STUDS, PLATES & BLOCKING | D-F-L | #2 | 900 | 180 | 625 | 1350 | 1.6E6 |
| BEAMS & HEADERS | | | | | | | |
| 2x,3x,&4x | D-F-L | #2 | 900 | 180 | 625 | 1350 | 1.6E6 |
| 6x | D-F-L | #1 | 1350 | 170 | 625 | 925 | 1.6E6 |
| POSTS | | | | | | | |
| 4x | D-F-L | #1 | 1000 | 180 | 625 | 1500 | 1.7E6 |
| 6x | D-F-L | #1 | 1200 | 170 | 625 | 1000 | 1.6E6 |

STRUCTURAL FINGER JOINTED LUMBER

- STRUCTURAL FINGER JOINTED LUMBER SHALL BE PERMITTED TO BE USED INTERCHANGEABLY WITH SAWN LUMBER MEMBERS OF THE SAME SPECIES AND GRADE. STRUCTURAL FINGER JOINTED LUMBER SHALL BE GRADED UNDER AMERICAN LUMBER STANDARD COMMITTEE "PRODUCT STANDARD PS 20-99". LUMBER CLASSIFIED AS STUD USE ONLY SHALL BE LIMITED TO VERTICAL APPLICATIONS ONLY. LUMBER WITH CERTIFIED EXTERIOR JOINTS IS NOT RESTRICTED TO ANY TYPE OF LOADING.

FRAMING NOTES

- FRAMING CONNECTORS, ACCESSORIES, AND FASTENERS AS NOTED IN THE PLANS AND DETAILS SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE. EQUIVALENT HARDWARE BY ANOTHER MANUFACTURER MAY BE USED. INSTALL ALL HARDWARE PER MANUFACTURER'S SPECIFICATIONS. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS.
- TYPICAL NAILING NOT SHOWN PER PLAN, DETAIL, OR SCHEDULE SHALL CONFORM TO TABLE 2304.10.1 OF THE 2019 OSSC.
- NAILS SHALL BE COMMON UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE PER SHEARWALL SCHEDULE OR PLANS, ANCHOR BOLTS AT SILL PLATES SHALL BE ½" DIAMETER WITH 7" MINIMUM EMBEDMENT INTO CONCRETE AND SHALL BE SPACED NOT MORE THAN 4 FEET APART. THERE SHALL BE A MINIMUM OF TWO BOLTS PER SILL PIECE WITH ONE BOLT LOCATED NOT MORE THAN 12" NOR LESS THAN 6" FROM EACH END OF THE PIECE. A 3"x3"x0.229" PLATE WASHER SHALL BE PROVIDED FOR ALL ANCHOR BOLTS (DO NOT COUNTER-SINK PLATE WASHERS). A 1½" x 1½" DIAGONAL SLOTTED HOLE IN THE 3" x 3" PLATE WASHER IS ALLOWED WITH A STANDARD CUT WASHER.

JOIST AND BEAM HANGERS

- JOIST AND BEAM HANGERS AS NOTED IN THE PLANS SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE OR ANOTHER MANUFACTURER WHOSE JOIST HANGERS ARE ICC-APPROVED. JOIST AND BEAM HANGERS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE PER PLANS OR DETAILS:

| MEMBER SIZE | HANGER |
|---------------------------|----------------------------------|
| SAWN LUMBER | LUS SERIES TO MATCH LUMBER SIZE |
| 3½"-WIDE GLULAM BEAM | HGUS410 |
| 5½"-WIDE GLULAM BEAM | HGUS5.50/10 |
| MANUFACTURED WOOD I-JOIST | IUS SERIES TO MATCH I-JOIST SIZE |
| 1½"-WIDE PSL OR LVL BEAM | LBV SERIES TO MATCH DEPTH |
| 3½"-WIDE PSL OR LVL BEAM | GLTV SERIES TO MATCH DEPTH |
| 5½"-WIDE PSL OR LVL BEAM | GLTV SERIES TO MATCH DEPTH |

SHRINKAGE OF WOOD FRAMING

- SHRINKAGE IN WOOD FRAMING IS DUE TO LOSS OF MOISTURE CONTENT AND TO COMPRESSION OF ASSEMBLIES OF WOOD COMPONENTS. PLUMBING, ELECTRICAL, AND MECHANICAL SYSTEMS AS WELL AS EXTERIOR FINISHES SHALL BE DESIGNED AND BUILT TO ACCOMMODATE ½" PER FLOOR OF WOOD SHRINKAGE. THE USE OF KILN-DRIED LUMBER AND PROVIDING A DRYING PROCESS TO THE FRAMING MEMBERS PRIOR TO APPLICATION OF FINISHES WILL HELP CONTROL BUT WILL NOT ELIMINATE SHRINKAGE.

WOOD SHEATHING

- STRUCTURAL WOOD SHEATHING PANELS SHALL HAVE APA-GRADE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION. WOOD SHEATHING PANELS SHALL BE C-D INT APA WITH EXTERIOR GLUE (CDX). ORIENTED STRAND BOARD (OSB) PANELS SHALL BE EXPOSURE 1. PANELS SHALL HAVE THE FOLLOWING THICKNESS, SPAN RATING, AND FASTENING UNLESS NOTED OTHERWISE PER PLAN:

| | | | |
|------------|--|---------------|----------------|
| ROOF: | 7/16" 24/16 C-D APA CDX | EDGE NAILS | FIELD NAILS |
| FLOOR: | 3/4" APA-RATED STURD-I-FLOOR OSB 48/24 T&G | 8d @ 6" O.C. | 8d @ 12" O.C. |
| SHEARWALL: | 7/16" C-D WITH EXTERIOR GLUE | 10d @ 6" O.C. | 10d @ 12" O.C. |
| | | SEE SCHEDULE | |

- ALL ROOF AND FLOOR SHEATHING PANELS SHALL BE INSTALLED FACE GRAIN PERPENDICULAR TO SUPPORTS AND IN A STAGGERED PATTERN UNLESS NOTED OTHERWISE PER PLAN. BLOCKING AT INTERMEDIATE FLOOR AND ROOF SHEATHING JOINTS SHALL NOT BE REQUIRED UNLESS NOTED OTHERWISE PER PLAN. SHEARWALL SHEATHING SHALL BE BLOCKED AT ALL EDGES WITH 2X OR 3X FRAMING PER SHEARWALL SCHEDULE

METAL PLATE CONNECTED WOOD TRUSSES

- PRE-MANUFACTURED PLATED WOOD TRUSSES SHALL BE MANUFACTURER-DESIGNED AND SHALL COMPLY WITH THE TRUSS PLATE INSTITUTE (ANSI/TPI 1, NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION) AND IBC SECTION 2303.4. SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED PER THE REQUIREMENTS OF THE PREVIOUSLY MENTIONED "SHOP DRAWING SUBMITTAL PROCESS". DESIGN FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS, PREVIOUSLY MENTIONED LOADS ON THIS SHEET, AND THE FOLLOWING:

| | |
|----------------------------|---------------------------------|
| TOP CHORD LIVE/SNOW LOAD: | 25 PSF |
| TOP CHORD DEAD LOAD: | 10 PSF |
| TOP CHORD DRAG LOAD: | SEE PLAN |
| TOP CHORD NET WIND UPLIFT: | 7 PSF (NET) |
| BOTTOM CHORD DEAD LOAD: | 5 PSF |
| BOTTOM CHORD LIVE LOAD: | PER LIVE LOAD TABLE, THIS SHEET |

ROOF: LIVE LOAD DEFLECTION: L/360
SEE MECHANICAL

- TRUSSES SHALL BE BRACED TO PREVENT ROTATION AND PROVIDE LATERAL STABILITY IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE FOLLOWING PLANS/DETAILS AND ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS. IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, TRUSSES SHALL BE BRACED IN ACCORDANCE WITH ACCEPTED INDUSTRY PRACTICES, SUCH AS THE SBCA BUILDING COMPONENT SAFETY INFORMATION GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES
- TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, SPLICED, OR OTHERWISE ALTERED IN ANY WAY WITHOUT THE APPROVAL OF A REGISTERED DESIGN PROFESSIONAL. ALTERATIONS RESULTING IN THE ADDITION OF LOAD THAT EXCEED THE DESIGN LOAD FOR THE TRUSS, SHALL NOT BE PERMITTED WITHOUT THE VERIFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING THE ADDITIONAL LOADING.

STRUCTURAL GLUED LAMINATED TIMBER

- GLUE-LAMINATED MEMBERS SHALL HAVE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) IDENTIFICATION MARK. EXPOSED MEMBERS SHALL RECEIVE ONE COAT OF END SEALER APPLIED IMMEDIATELY AFTER TRIMMING IN EITHER SHOP OR FIELD. DESIGN MATERIAL PROPERTIES SHALL BE AS FOLLOWS:

| COMBINATION SYMBOL | SPECIES | CAMBER |
|--------------------|---------|----------|
| 24F-V4 | DF/DF | STANDARD |
- UNEXPOSED GLUE-LAMINATED TIMBER SHALL BE INDUSTRIAL GRADE, UNLESS NOTED OTHERWISE. EXPOSED GLUE-LAMINATED TIMBER SHALL BE APPEARANCE CLASS PER ARCHITECT.

MANUFACTURED WOOD BEAMS

- MANUFACTURED/ENGINEERED WOOD BEAMS SHALL BE THE SIZE AND TYPE SHOWN ON THE DRAWINGS AS MANUFACTURED BY WEYERHAEUSER OR APPROVED EQUAL. STORAGE, ERECTION, AND INSTALLATION SHALL BE PER MANUFACTURER SPECIFICATIONS. MICROLAM AND PARALLAM MEMBERS SHALL NOT HAVE NOTCHES OR DRILLED HOLES WITHOUT PRIOR ENGINEER OF RECORD APPROVAL. DESIGN MATERIAL PROPERTIES SHALL BE AS FOLLOWS:

| MEMBER | E (PSI) | Fb (PSI) | Fc (PSI) | Fv (PSI) |
|------------------------|---------|----------|----------|----------|
| LVL (3 ½" + WIDE) | 1.9 E6 | 2600 | 750 | 285 |
| PSL (PARALLAM) | 2.0 E6 | 2900 | 650 | 290 |
| LSL (1½" TIMBERSTRAND) | 1.5 E6 | 2250 | 750 | 400 |

BEARING WALL STUD SCHEDULE

| WALL TYPE | LOCATION | PLATE SIZE | STUD SIZE AND SPACING |
|-------------|--------------------------|------------|-----------------------|
| EXTERIOR | TYPICAL, U.N.O. PER PLAN | 2x6 | 2x6's @ 16" O.C. |
| CRAWL SPACE | TYPICAL | 2x4 (e) | 2x4's @ 16" O.C. |
| INTERIOR | TYPICAL, U.N.O.PER PLAN | 2x4 | 2x4's @ 16" O.C. |

BEARING WALL NOTES:

- SEE SHEARWALL SCHEDULE FOR WALL SHEATHING, BLOCKING, AND PLATE NAILING
- SEE SAWN LUMBER STRUCTURAL NOTES ON THIS SHEET FOR SPECIES AND GRADE OF WALL PLATES AND STUDS
- SECURE SILL PLATES TO CONCRETE WITH ANCHOR BOLTS AS PREVIOUSLY DESCRIBED ON THIS SHEET. REFER TO SHEARWALL SCHEDULE FOR ADDITIONAL INFORMATION
- EXTERIOR WALLS AT VAULTED AREAS SHALL BE BALLOON-FRAMED
- FOUNDATION CRIPPLE WALLS SHALL BE FRAMED OF STUDS OF SAME SIZE AS STUDS ABOVE. WHERE HEIGHT OF STUD EXCEEDS 4 FEET, CONTACT ENGINEER FOR PROPER STUD SIZE AND SPACING. PROVIDE SHEATHING, NAILING, AND MUDSILL ANCHORAGE AS SPECIFIED FOR WALL ABOVE.
- INTERIOR NON-BEARING WALLS MAY BE CONSTRUCTED OF 2x4's @ 24" O.C.

| SPECIAL INSPECTIONS | |
|---------------------------|--|
| TYPE OF INSPECTION | REQUIRED? |
| CONCRETE CONSTRUCTION | N/A |
| ANCHORS - ADHESIVE | N/A |
| ANCHORS - CAST-IN-PLACE | N/A |
| ANCHORS - EXPANSION/SCREW | PERIODIC |
| WOOD CONSTRUCTION | N/A |
| GEOTECHNICAL | NO (SIUSLAW), CONTINUOUS (PILES AT MIDWAY) |



VISTA
—STRUCTURAL—
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CLIENT: TOLOVANA ARCHITECTS

JOB TITLE: EMERGENCY GENERATOR ADDITION TO MIDWAY AND SIUSLAW PUMP STATIONS. W. MIDWAY & S. PACIFIC AVE.

JURISDICTION: CANNON BEACH, OR



REGISTERED PROFESSIONAL ENGINEER
85273
Dennis Michael Heier
JAN. 31, 2011
02-22-2023
EXPIRES: 02/20/2023

| NO. | DATE | REVISION | BY |
|-----|------|----------|----|
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DRAWING TITLE

STRUCTURAL NOTES

| | | | |
|-----------|------------|-------------|-----|
| ENGINEER: | JRC | CHECKED BY: | DNM |
| DATE: | 02-22-2023 | DRAWN BY: | JRC |

SHEET NUMBER

50.0

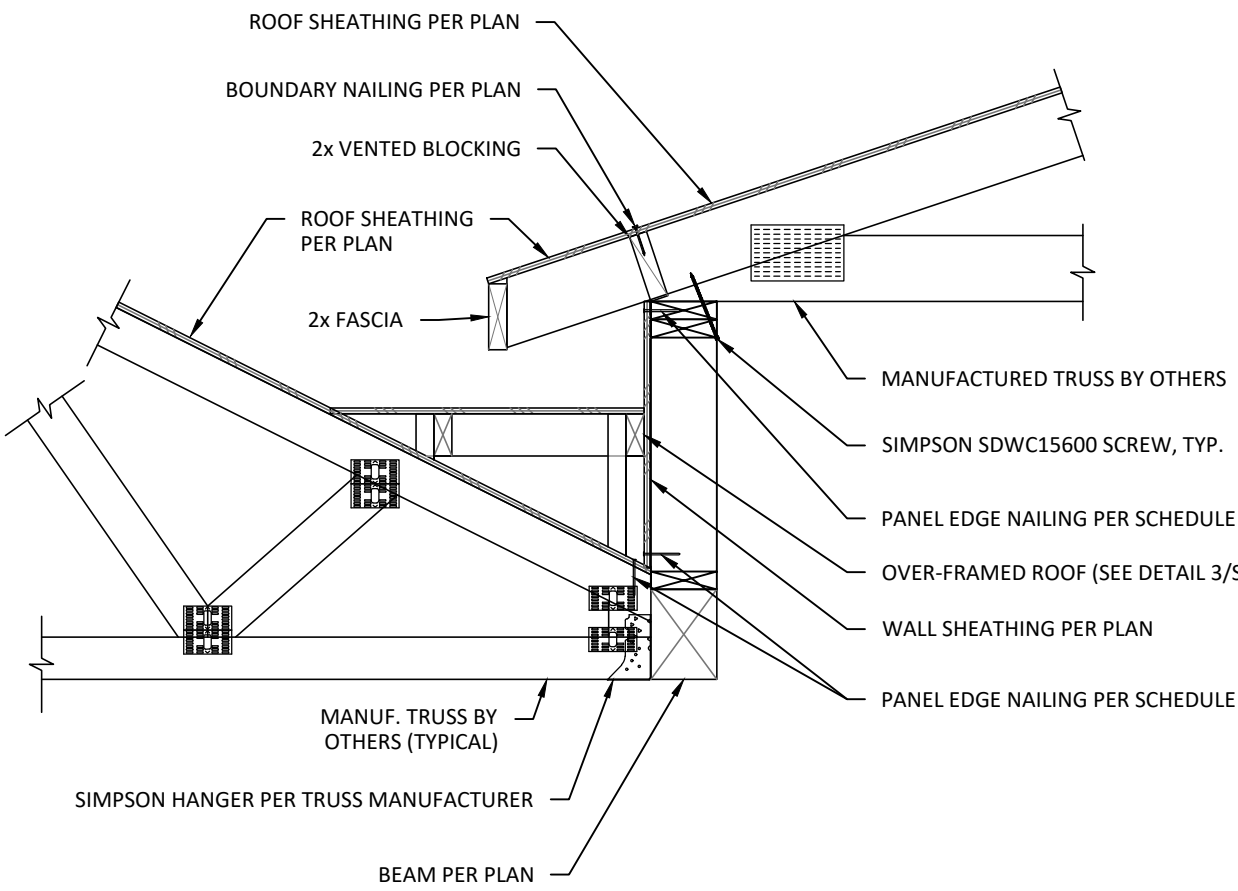
| SHEARWALL SCHEDULE (Not All Symbols Used on Plans) | | | | | | | | | | |
|--|---------------------------|-------------|-----------|-------------------|--------------------|---------------------------|------------------------------------|----------------------|--|-----------------------------|
| XX | SHEATHING | SHEAR (PLF) | NAIL SIZE | EDGE NAILS (O.C.) | FIELD NAILS (O.C.) | BOT. PLATE NAILING (O.C.) | TOP PLATE A35 (O.C.) ^{1b} | 5/8"x10" A.B. (O.C.) | MAX. 8" TITEN HD ANCHOR SPACING W/ 4" EMBED ^{14a} | REMARKS |
| S6 | 7/16" APA RATED, ONE SIDE | 260 | 8d | 6" | 12" | 16d @ 6" | 1'-9" | 4'-0" | 4'-0" | |
| S4 | 7/16" APA RATED, ONE SIDE | 380 | 8d | 4" | 12" | 16d @ 4" | 1'-0" | 3'-6" | 2'-9" | (2) 2x OR 3x ^{11b} |
| S3 | 7/16" APA RATED, ONE SIDE | 490 | 8d | 3" | 12" | 16d @ 3" | 0'-11" | 2'-9" | 2'-2" | (2) 2x OR 3x ^{11b} |
| S2 | 7/16" APA RATED, ONE SIDE | 640 | 8d | 2" | 12" | 16d @ 2" | 0'-8" | 2'-0" | 1'-8" | (2) 2x OR 3x ^{11b} |

1. ALL PLYWOOD TO BE APA RATED STRUCTURAL 1 EXTERIOR SHEATHING
2. ALL NAILS TO BE COMMON OR GALVANIZED BOX TYPE.
3. FLOOR AND ROOF DIAPHRAGMS TO BE NAILED WITH 10d NAILS @ 6" O.C. EDGE NAILING AND 12" ON CENTER FIELD NAILING. USE PLYWOOD THICKNESS AS INDICATED ON PLAN.
4. ATTACH RIM JOIST AND / OR BLOCKING TO SHEARWALL AS INDICATED IN TABLE ABOVE.
5. ALL WALL SHEATHING TO EXTEND FULL HEIGHT OF WALL, TOP PLATE TO BOTTOM PLATE.
6. ALL SHEARWALLS AND HOLDINGS MUST HAVE CONTINUOUS LOAD PATH TO FOUNDATION.
7. USE 3" x 3" x 1/4" PLATE WASHER TYPICAL AT ALL ANCHOR BOLTS.
8. WHERE TOP PLATE FASTENING IS LESS THAN 12" O.C., USE MINIMUM BLOCKING OF 2-1/2" MANUFACTURED LUMBER (MICROLLAM LVL, OR PARALLAM PSI).
9. GYPSUM SHEATHING TO BE ATTACHED WITH SCREWS (TYPE AS NOTED IN SCHEDULE). SCREWS FOR ATTACHMENT OF GYPSUM SHEATHING MUST BE TYPE W OR S.
10. ALL SHEAR WALLS TO BE FULLY BLOCKED U.N.O. BLOCKING TO MATCH REQUIREMENTS FOR PANEL EDGE STUDS.
11. FOR SHEARWALLS W/ (2) ROWS OF BOTTOM PLATE NAILING, USE MIN. 1-3/4" RIM BOARD, SPACE ROWS A MIN. OF 1/2" APART, AND STAGGER NAILS.
12. FOR SHEARWALLS W/ STUDS SPACED AT 16" O.C. MAX. INSTALL SHEATHING WITH LONG DIMENSION ACROSS STUDS.
13. THE WIDTH OF THE NAILED FACE OF A COMMON FRAMING MEMBER OR BLOCKING AT ADJOINING PANEL EDGES SHALL BE 3-INCH NOMINAL OR GREATER.
14. SPECIAL INSPECTION REQUIRED FOR SIMPSON TITEN ANCHOR INSTALLATION.
15. ONLY REQUIRED WHEN SHOWN ON APPLICABLE DETAIL.

1

S1.1

SHEARWALL SCHEDULE

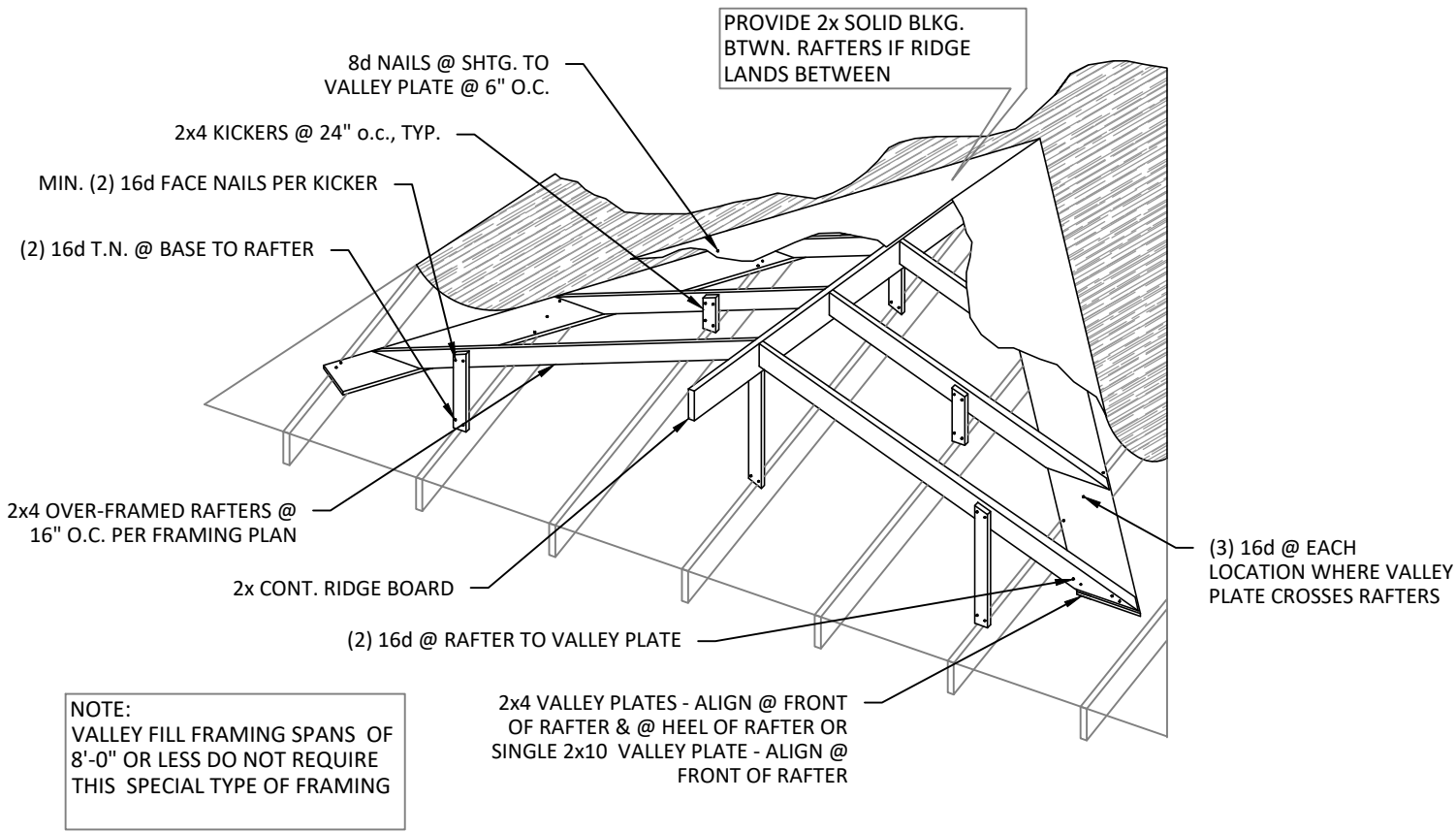


2

S1.1

TRUSS BEARING DETAIL (SIUSLAW ONLY)

3/4"= 1'-0"



3

S1.1

TYPICAL DETAIL AT OVER-FRAMING

3/4"= 1'-0"

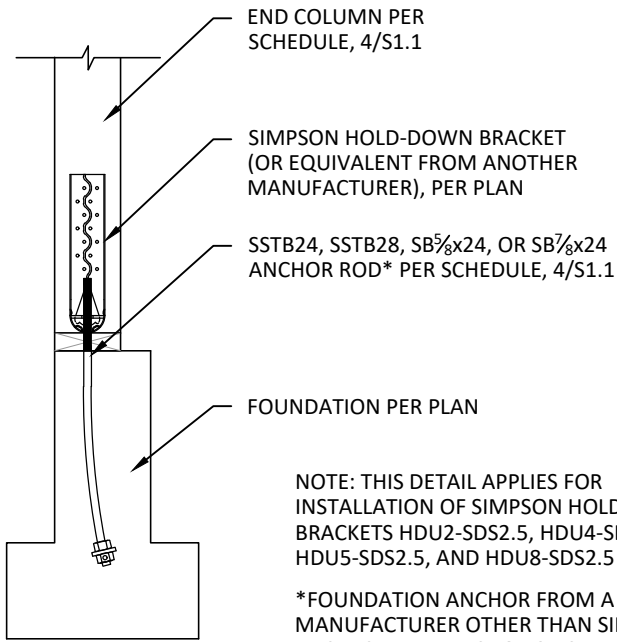
| HOLD-DOWN ANCHOR AND BRACKET SCHEDULE | | | | | | | |
|---------------------------------------|-------------------------------|--|--------------------|------------------------|------------------------|-------------------|--|
| PLAN MARK | SIMPSON HOLD DOWN BRACKET (a) | FOUNDATION ANCHOR (b,d) | SDS SCREWS (e) | END COLUMN IN 2x4 WALL | END COLUMN IN 2x6 WALL | CAPACITY (POUNDS) | DIST. FROM EDGE OF END COL. TO C OF ANCHOR |
| HD-HDU2 | HDU2-SDS2.5 | SSTB24 OR SB ⁵ / ₈ x24 | (6) 3/4" x 2 1/2" | (2) 2x4 | (2) 2x6 | 3075 | 1 3/16" |
| HD-HDU4 | HDU4-SDS2.5 | SB ⁵ / ₈ x24 | (10) 3/4" x 2 1/2" | (2) 2x4 | (2) 2x6 | 4565 | 1 3/16" |
| HD-HDU5 | HDU5-SDS2.5 | SB ⁵ / ₈ x 24 | (14) 3/4" x 2 1/2" | (3) 2x4 | (2) 2x6 | 5645 | 1 3/16" |

- a. EQUIVALENT HOLD-DOWN BRACKET FROM ANOTHER MANUFACTURER MAY BE SUBSTITUTED
- b. EQUIVALENT FOUNDATION ANCHOR FROM ANOTHER MANUFACTURER MAY BE SUBSTITUTED
- c. IF INSTALLING A HOLD-DOWN BRACKET FROM ANOTHER MANUFACTURER, INSTALL FASTENERS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS
- d. LOCATE CRAWL SPACE VENTS A MINIMUM OF 24" AWAY FROM HOLD-DOWN ANCHORS
- e. SEE DISTANCE "A", DETAIL S1.1

4

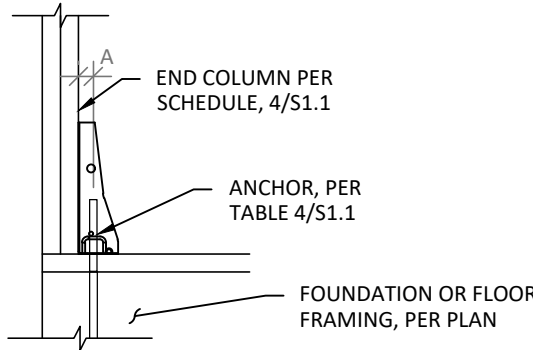
S1.1

HOLD-DOWN BRACKET AND ANCHOR SCHEDULE



NOTE: THIS DETAIL APPLIES FOR INSTALLATION OF SIMPSON HOLD-DOWN BRACKETS HDU2-SDS2.5, HDU4-SDS2.5, HDU5-SDS2.5, AND HDU8-SDS2.5

*FOUNDATION ANCHOR FROM A MANUFACTURER OTHER THAN SIMPSON MAY BE SUBSTITUTED AS LONG AS ANCHOR HAS EQUIVALENT OR GREATER CAPACITY



6

S1.1

ANCHOR DISTANCE FROM END COLUMN

3/4"= 1'-0"

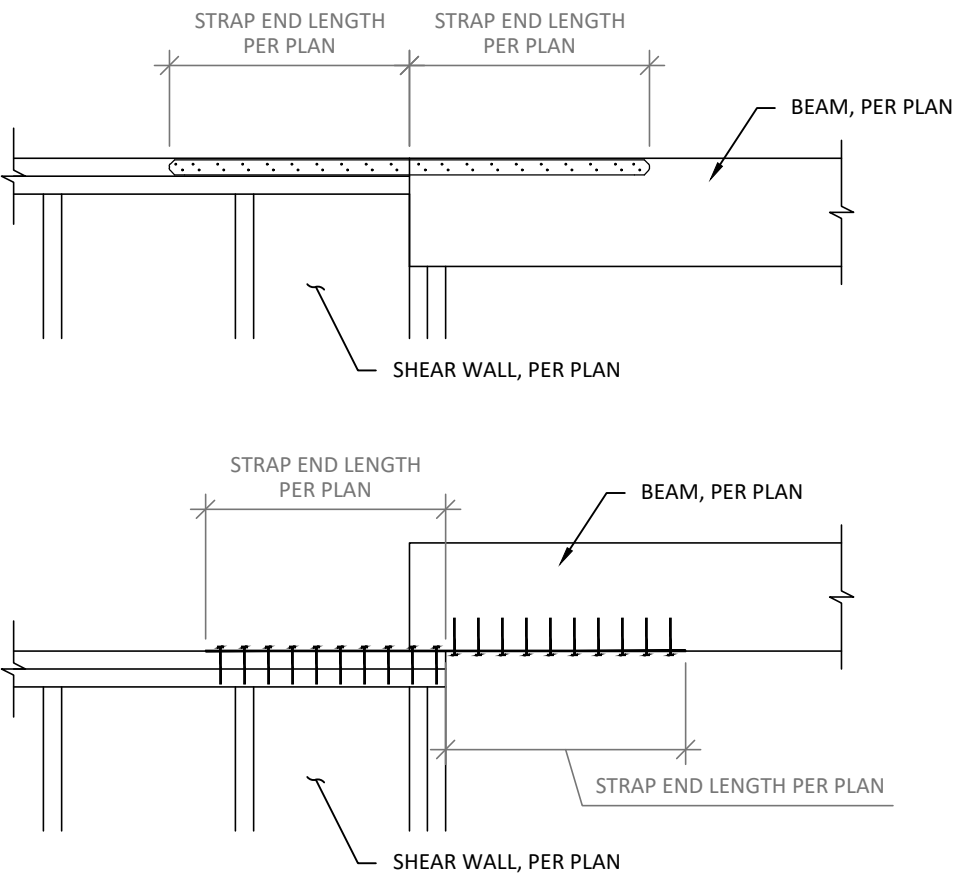
| DRAG STRUT STRAP SCHEDULE | | | |
|---------------------------|---------------------|---------------------|--|
| LABEL | SIMPSON STRAP (b,c) | END LENGTH REQUIRED | SIZE AND NO. OF NAILS (a) IN EACH END LENGTH |
| DS-CS20 | CS20 | 0'-9" | (7) 8d OR (6) 10d |
| DS-CS16 | CS16 | 1'-1" | (11) 8d OR (10) 10d |
| DS-CS14 | CS14 | 1'-4" | (15) 8d OR (13) 10d |
| DS-MSTC52 | MSTC52 | 1'-6" | (24) 0.148" x 3 1/2" |
| DS-MST72 | MST72 | 2'-3" | (31) 0.162" x 2 1/2" |
| DS-CMST12 | CMST12 | 3'-3" | (43) 10d OR (37) 16d |

- a. NAILS: 16d=0.162"x3 1/2"; 10d SINKER=0.148"x3 3/4"; 10d=0.148"x3"; 8d=0.131"x2 1/2"
- b. EQUIVALENT STRAP BY ANOTHER MANUFACTURER MAY BE USED
- c. CS STRAPS (I.E. CS22 THROUGH CS14) MAY BE SUBSTITUTED WITH SIMPSON DSC2R/L-SDS3 WHEN APPLICABLE. CMST/C STRAPS (I.E. CMSTC16, CMST14, AND CMST12 MAY BE SUBSTITUTED WITH SIMPSON DSC5R/L-SDS3 WHEN APPLICABLE.

7

S1.1

DRAG STRUT STRAPPING SCHEDULE



8

S1.1

DRAG STRUT CONNECTION

3/4"= 1'-0"

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CLIENT: TOLOVANA ARCHITECTS

JOB TITLE: EMERGENCY GENERATOR ADDITION TO MIDWAY AND SIUSLAW PUMP STATIONS. W. MIDWAY & S. PACIFIC AVE.

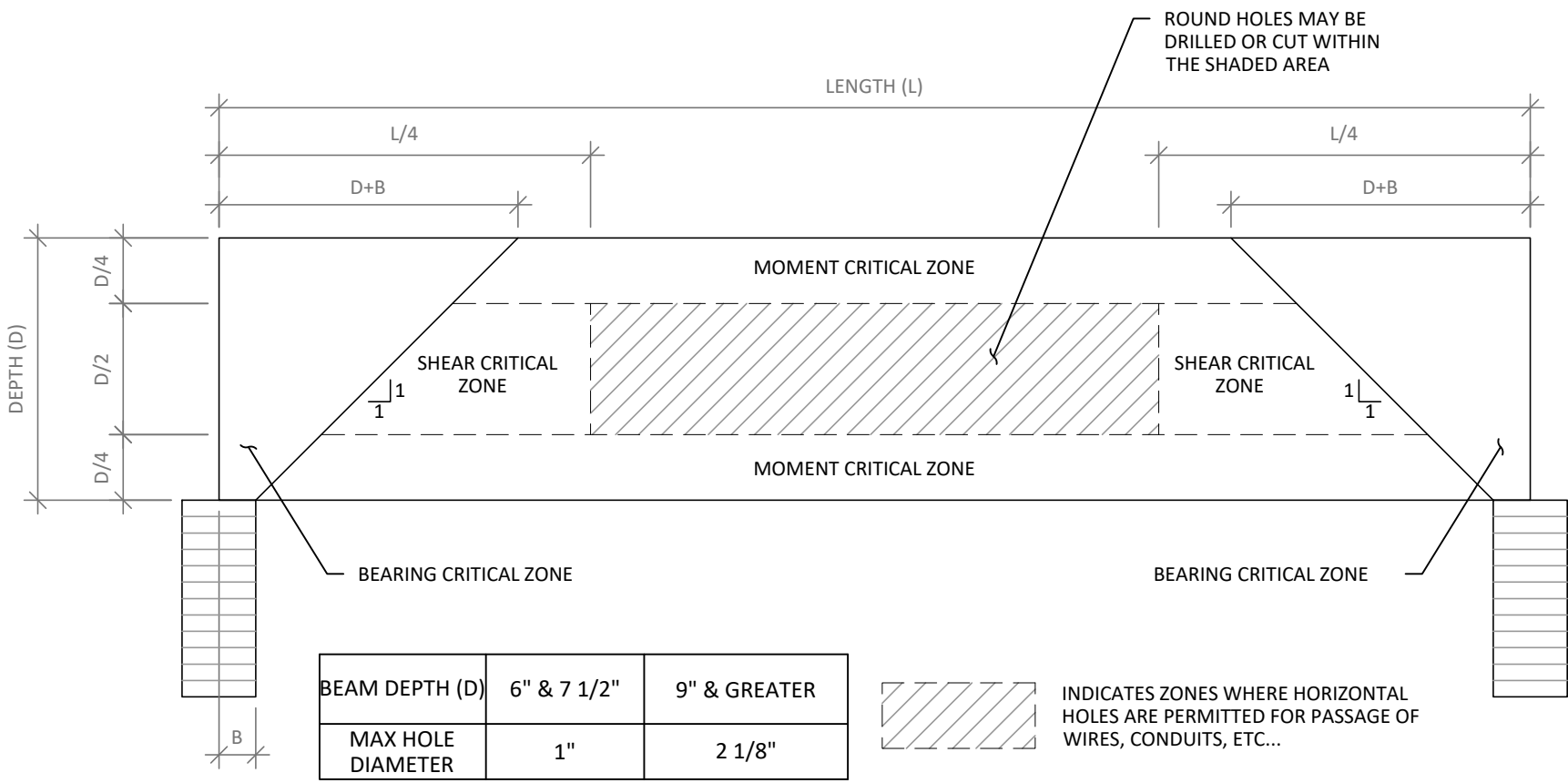
JURISDICTION: CANNON BEACH, OR

REGISTERED PROFESSIONAL
ENGINEER
85273
Dennis Michael Heier
OREGON
JAN. 31, 2011

02-22-2023
EXPIRES: 6/30/2023

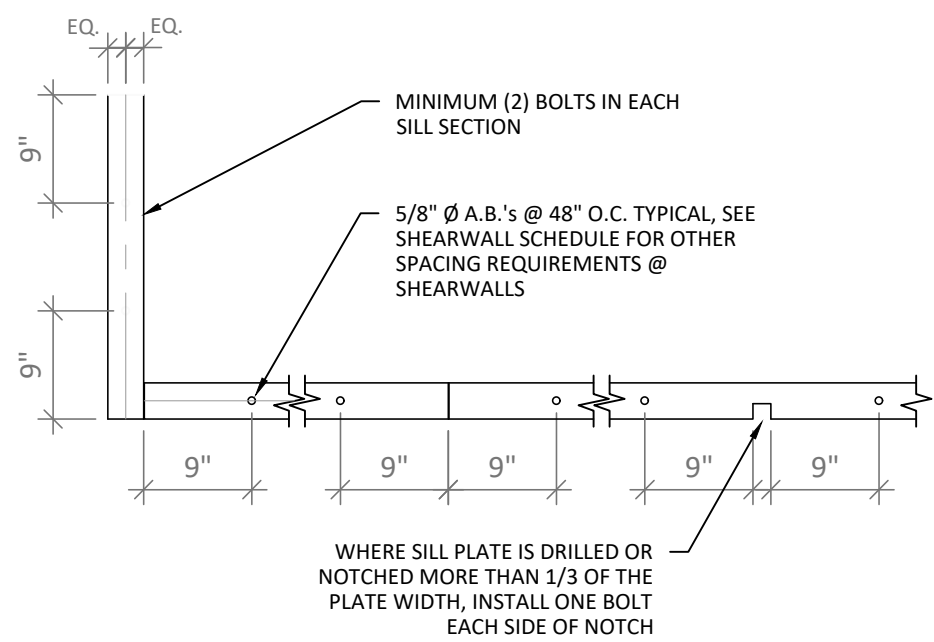
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| DRAWING TITLE | | | |
| FRAMING DETAILS | | | |
| ENGINEER: | JRC | CHECKED BY: | DMH |
| DATE: | 02-22-2023 | DRAWN BY: | JRC |
| SHEET NUMBER | | | |

S1.1

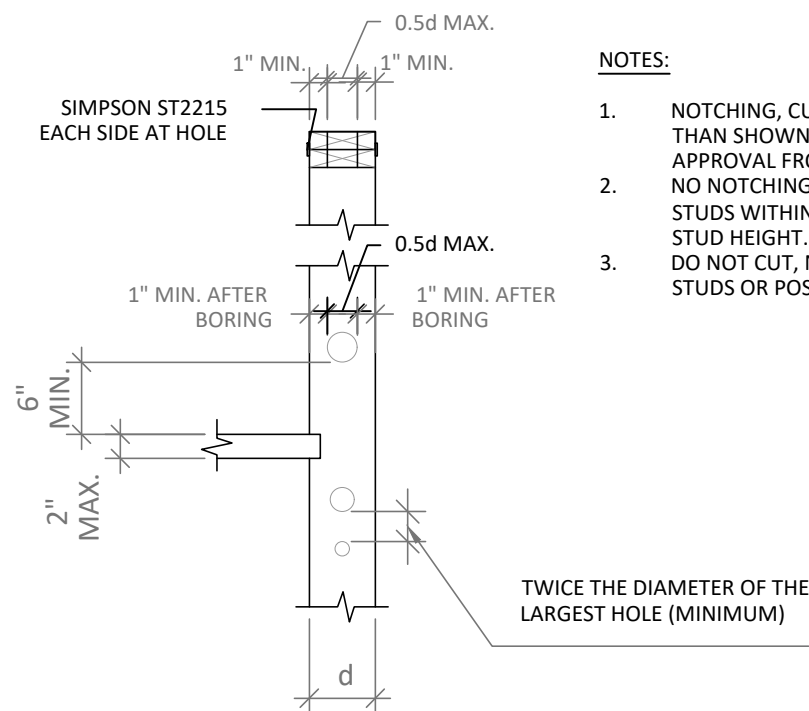


- NOTES:
1. SQUARES AND RECTANGULAR HOLES ARE NOT PERMITTED.
 2. THE HORIZONTAL DISTANCE BETWEEN HOLES SHALL BE AT LEAST (2) TIMES THE DIAMETER OF THE LARGER HOLE.
 3. DO NOT DRILL MORE THAN (3) ACCESS HOLES IN ANY 4'-0" LONG SECTION OF THE BEAM.
 4. BEAMS DEFLECT UNDER LOAD, SIZE HOLES TO PROVIDE CLEARANCE WHERE REQUIRED.
 5. THE HOLE CHART IS VALID FOR BEAMS SUPPORTING UNIFORM LOAD ONLY.
 6. DO NOT STACK HOLES VERTICALLY.

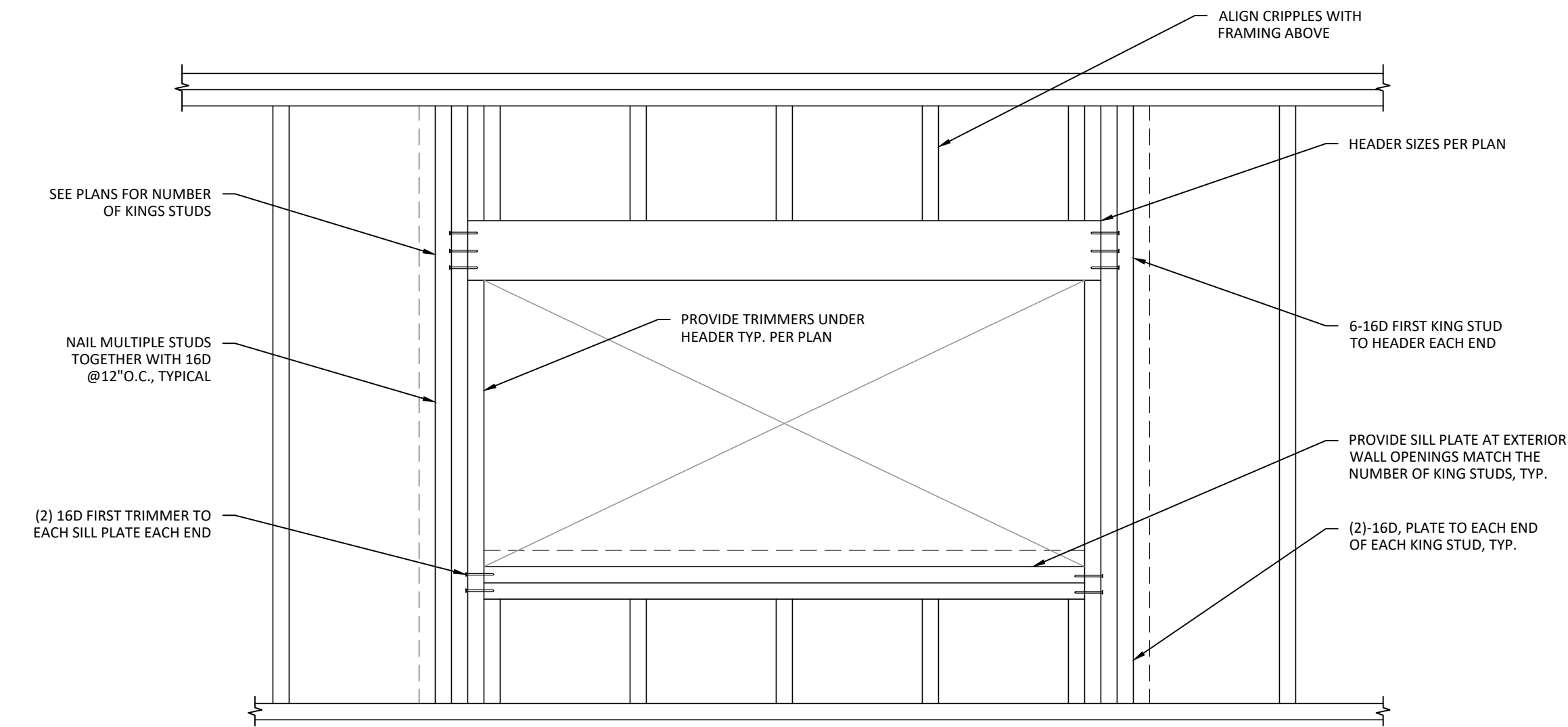
1
S1.2
GLULAM BEAMS - NOTCHES AND HOLES
NTS



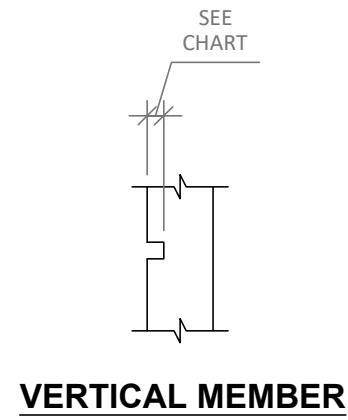
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S1.2
SILL PLATE NOTCH DETAIL
3/4"= 1'-0"



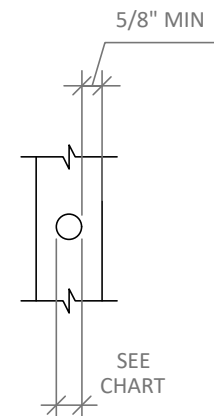
4
S1.2
STUD NOTCHING/CUTTING & BORING
3/4"= 1'-0"



10
S1.2
TYP. CONNECTIONS @ OPENINGS
1"= 1'-0"



VERTICAL MEMBER

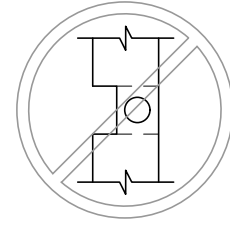


VERTICAL MEMBER

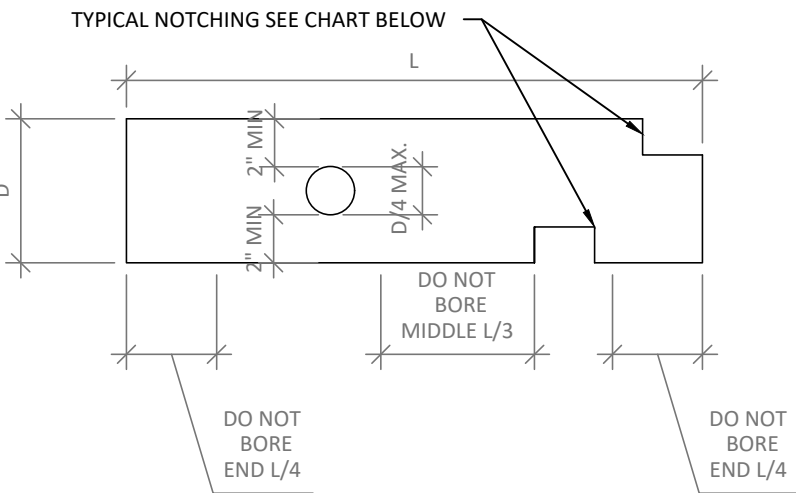
| VERTICAL STUD NOTCHES | | |
|-----------------------|----------------------------|-------------------|
| | EXTERIOR AND BEARING WALLS | NON-BEARING WALLS |
| 2x6 WALL | 1 3/8" | 2 1/8" |
| 2x4 WALL | 7/8" | 1 3/8" |

| VERTICAL STUD HOLES | | |
|---------------------|---------------|--|
| | BEARING WALLS | NON-BEARING WALLS OR DBL. STUDS, PROVIDE NOT MORE THAN TWO CONCESSIVE DBL. STUDS |
| 2x6 WALL | 2 1/8" | 3 1/4" |
| 2x4 WALL | 1 3/8" | 2" |

NOTE:
COORDINATE WITH
STRUCTURAL FOR ADDITIONAL
REQUIREMENTS

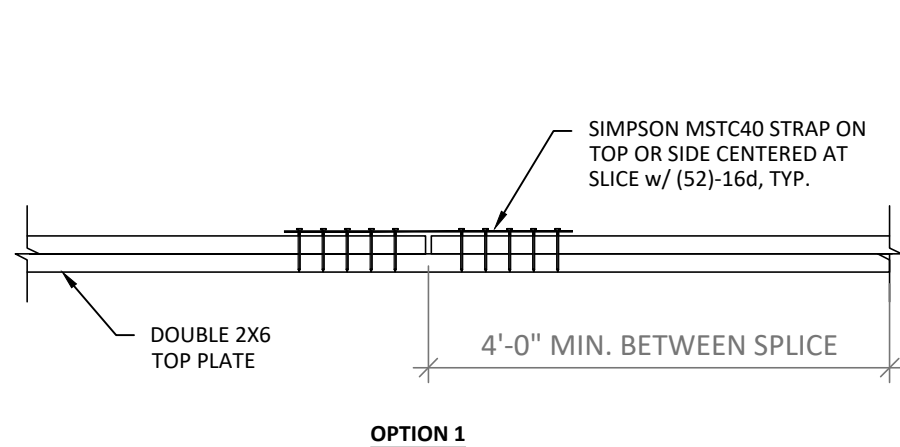


BORED HOLES SHALL NOT BE
LOCATED AT THE SAME
SECTION OF STUD AS CUT OR
NOTCH.

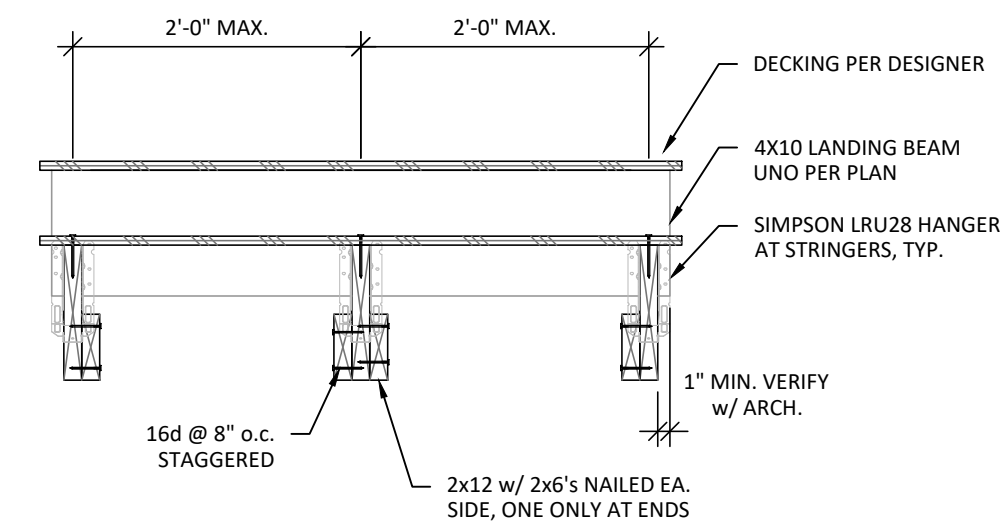
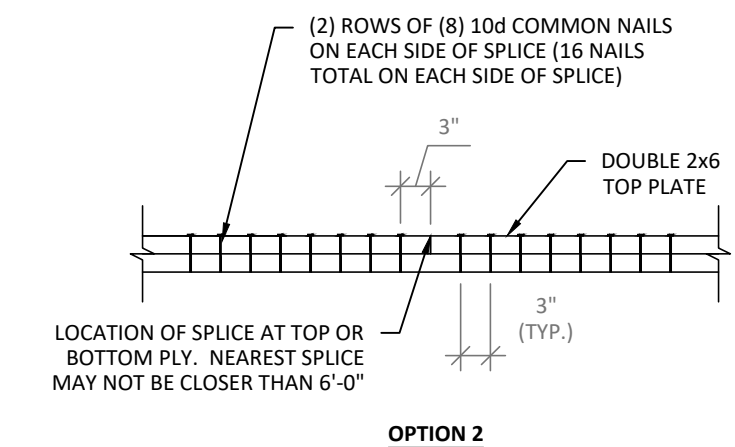


HORIZONTAL MEMBER

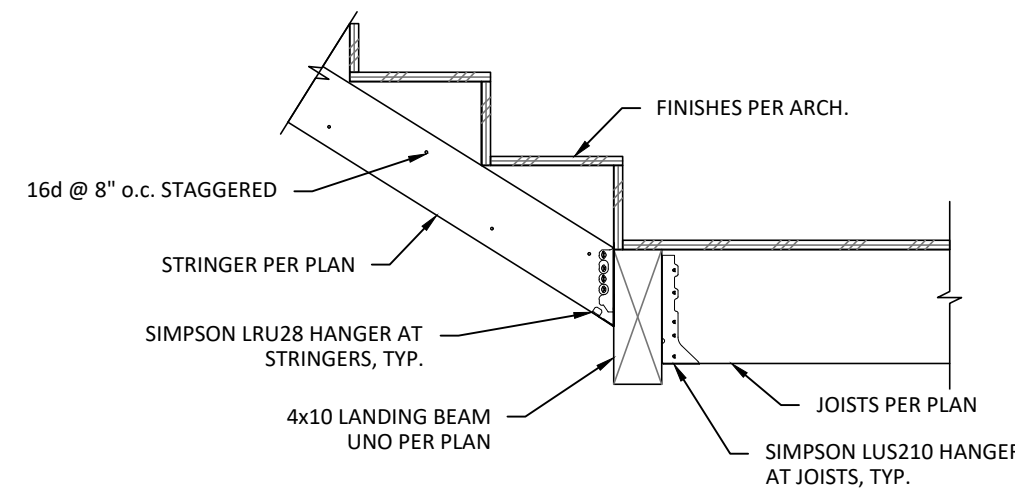
| HORIZONTAL JOISTS | |
|-------------------|---|
| NOTCHES | NOT ALLOWED |
| BORED HOLES | 25% DEPTH MAXIMUM AT MIDDLE OF JOIST OR BEAM |



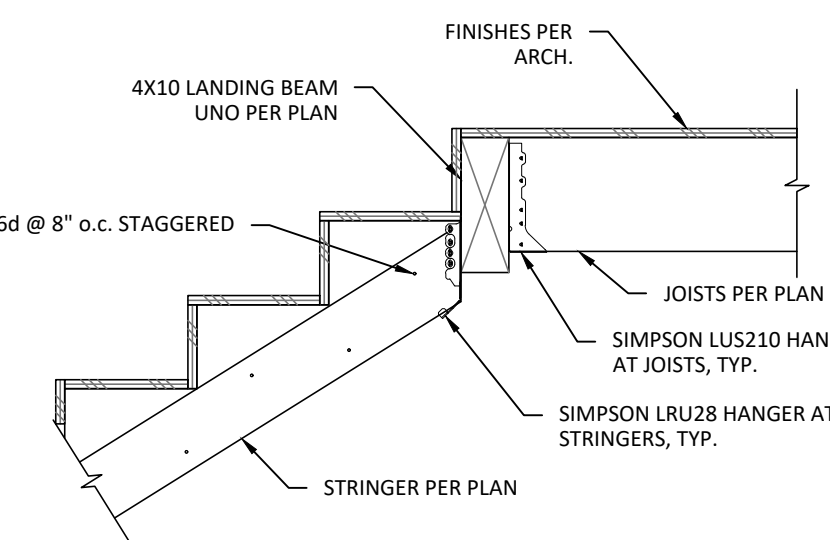
5
S1.2
TOP PLATE SPLICE CONNECTION
3/4"= 1'-0"



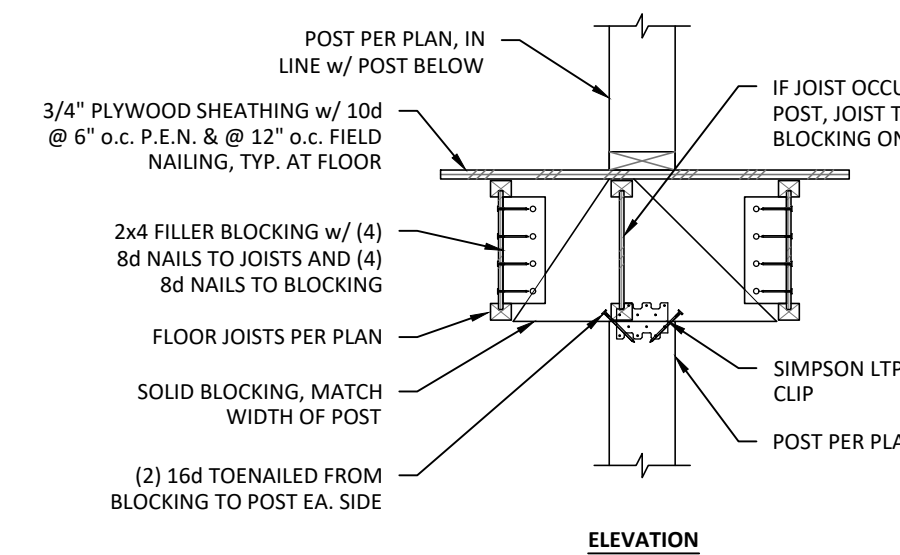
6
S1.2
SECTION AT STAIRS
3/4"= 1'-0"



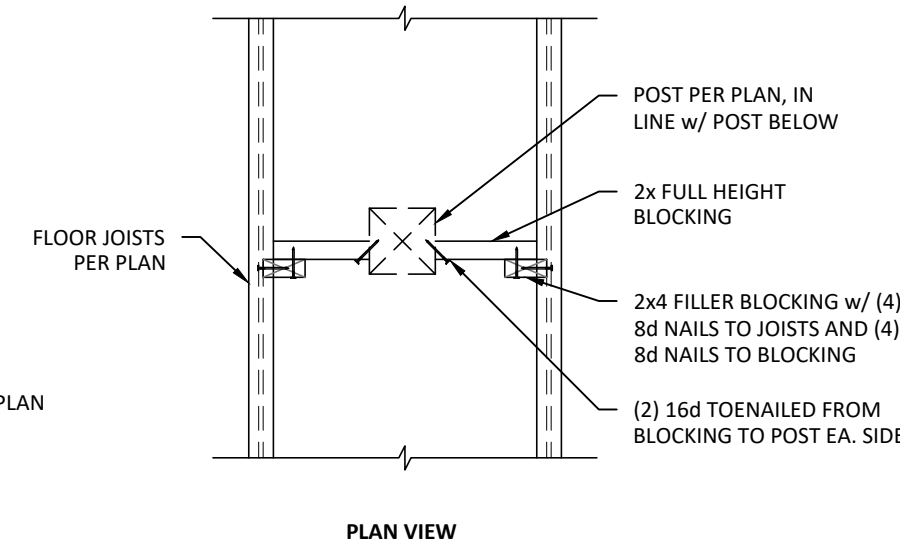
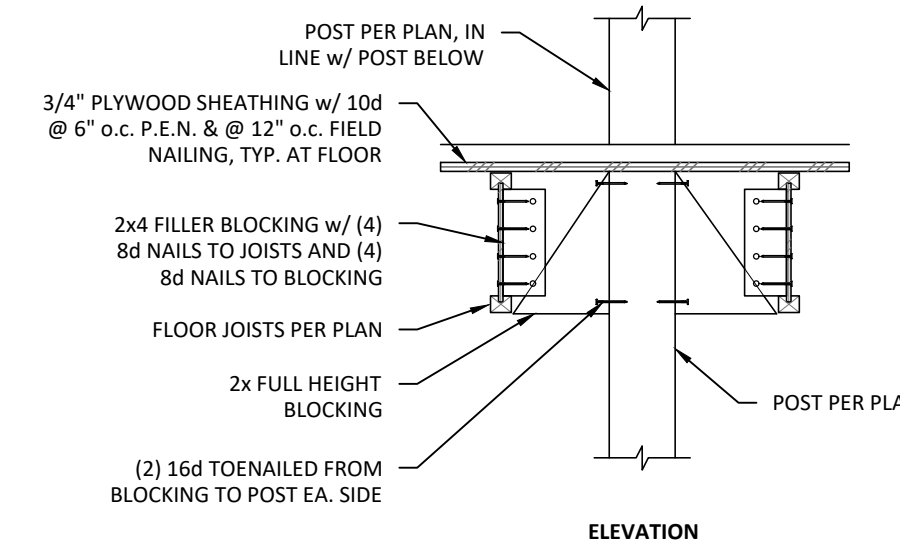
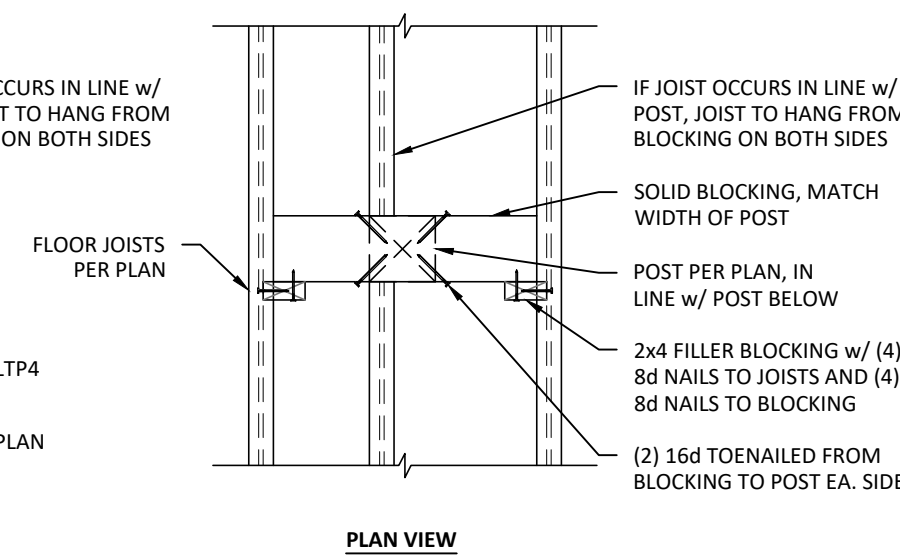
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S1.2
SECTION AT STAIRS
3/4"= 1'-0"



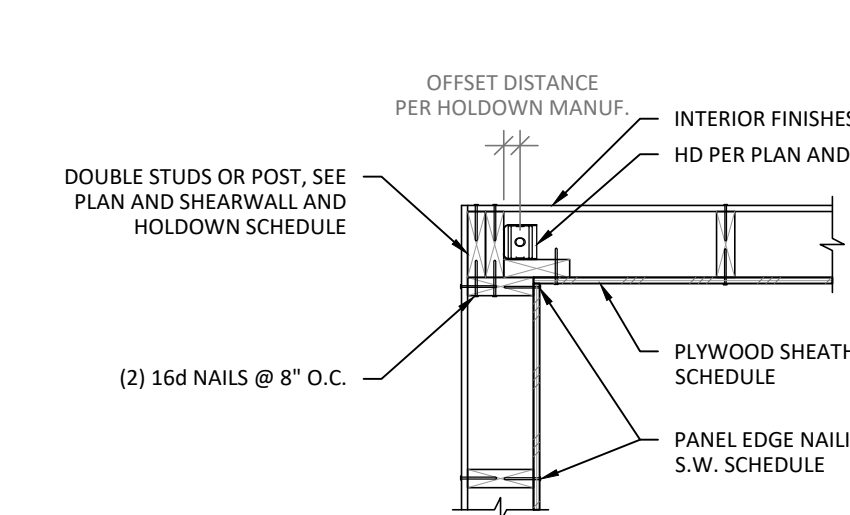
9
S1.2
SECTION AT STAIRS
3/4"= 1'-0"



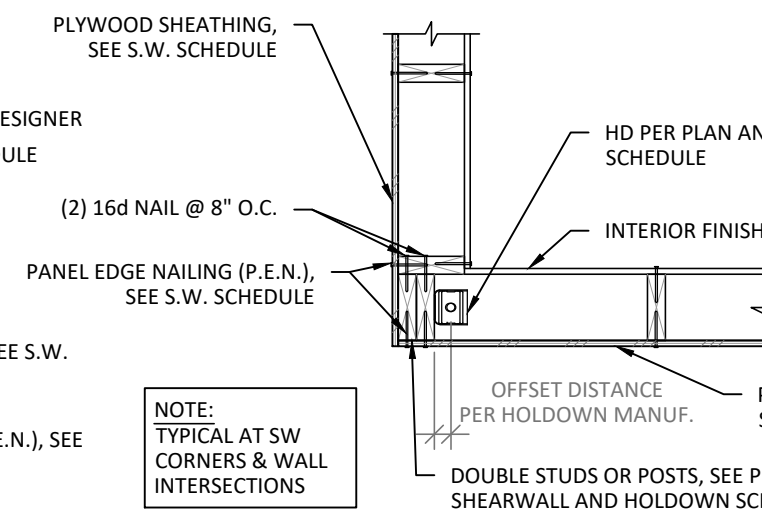
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S1.2
TYP. BLOCKING AT POST LOCATIONS
3/4"= 1'-0"



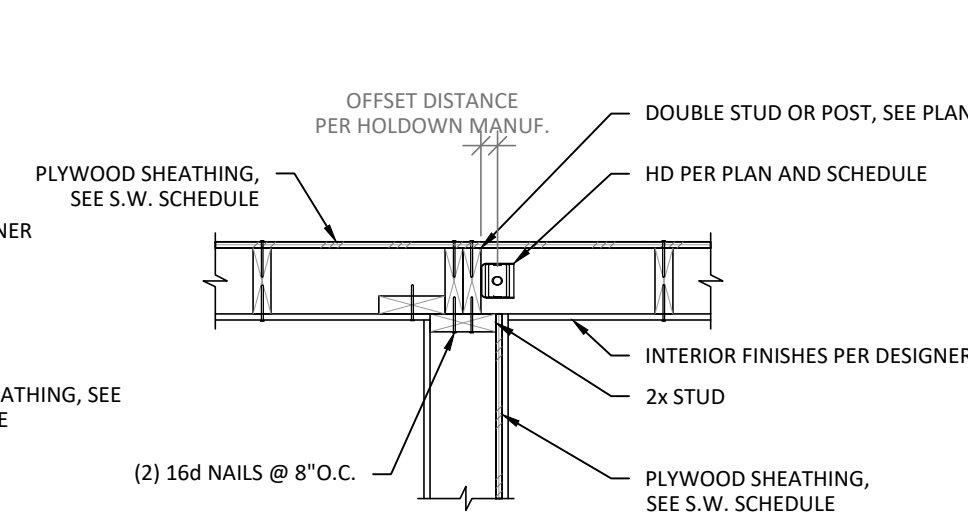
8
S1.2
TYP. BLOCKING AT POST LOCATIONS
3/4"= 1'-0"



INSIDE CORNER DETAIL



OUTSIDE CORNER DETAIL



WALL INTERSECTION

11
S1.2
SHEARWALL CORNER & INT. DETAIL
3/4"= 1'-0"

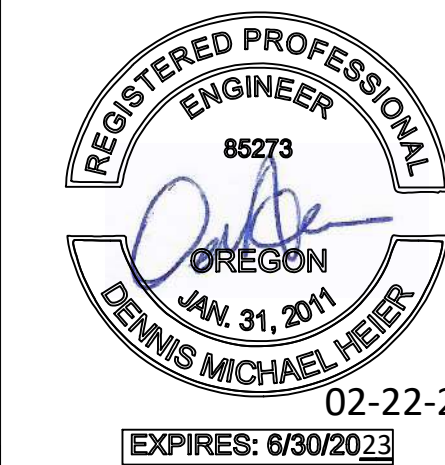


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JOB TITLE: EMERGENCY GENERATOR ADDITION TO
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W. MIDWAY & S. PACIFIC AVE.

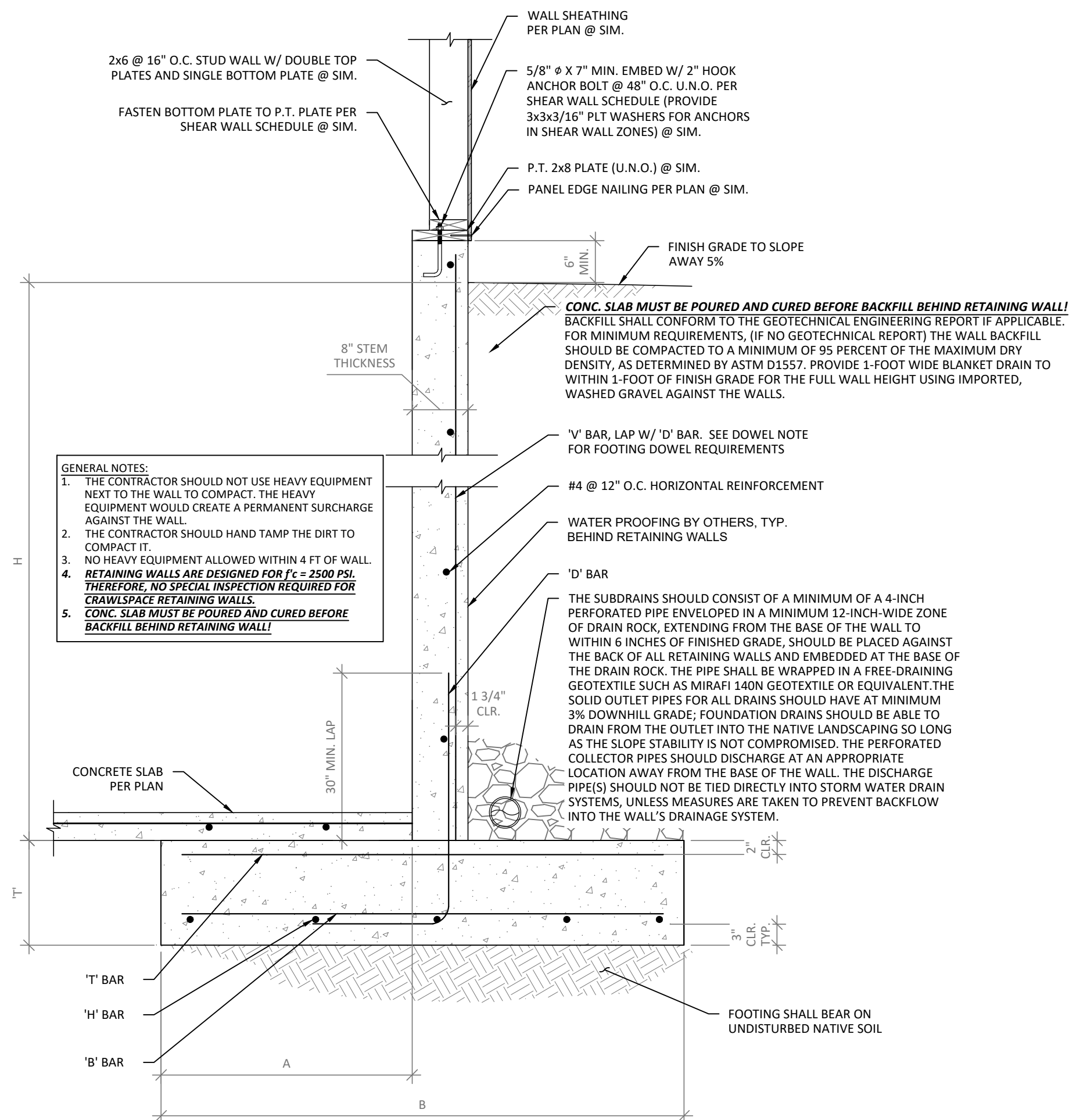
JURISDICTION: CANNON BEACH, OR



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| DRAWING TITLE | | | |
| MISC DETAILS | | | |
| ENGINEER: | JRC | CHECKED BY: | DMH |
| DATE: | 02-22-2023 | DRAWN BY: | JRC |
| SHEET NUMBER | | | |

S1.2



| CONCRETE RETAINING WALL SCHEDULE | | | | | | | | | |
|----------------------------------|--------|--------|-----|------------------|------------------|------------------|------------------|--------------------|---------|
| HEIGHT, H | A | B | T | D _{BAR} | V _{BAR} | B _{BAR} | T _{BAR} | * H _{BAR} | REMARKS |
| ≤ 4'-0" | 6" | 1'-10" | 12" | #5@16"o.c. | #5@16"o.c. | N/A | N/A | (3)#4 | |
| ≤ 6'-0" | 1'-11" | 3'-3" | 12" | #5@14"o.c. | #5@14"o.c. | #4@9"o.c. | N/A | (5)#4 | |
| ≤ 8'-0" | 3'-3" | 4'-7" | 12" | #5@8"o.c. | #5@8"o.c. | #4@9"o.c. | N/A | (6)#4 | |

* H_{BAR} - PLACE (1) BAR AT EACH END OF FOOTING (MINIMUM 3" COVER FROM CONCRETE EDGE). ALL OTHER REBAR SHALL BE EVENLY SPACED THROUGHOUT FOOTING, TYP.

** V_{BAR} AND D_{BAR} MAY BE COMBINED TO ONE SINGLE BAR EXTEND FROM TOE OF FOOTING TO TOP OF WALL

1
S2.1

GENERATOR HOUSE CONC. RETAINING WALL (SIUSLAW ONLY)

3/4" = 1'-0"



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MIDWAY AND SIUSLAW PUMP STATIONS.
W. MIDWAY & S. PACIFIC AVE.

JURISDICTION: CANNON BEACH, OR

REGISTERED PROFESSIONAL
ENGINEER
85273
OREGON
JAN. 31, 2011
DENNIS MICHAEL HEIER
02-22-2023
EXPIRES: 6/30/2023

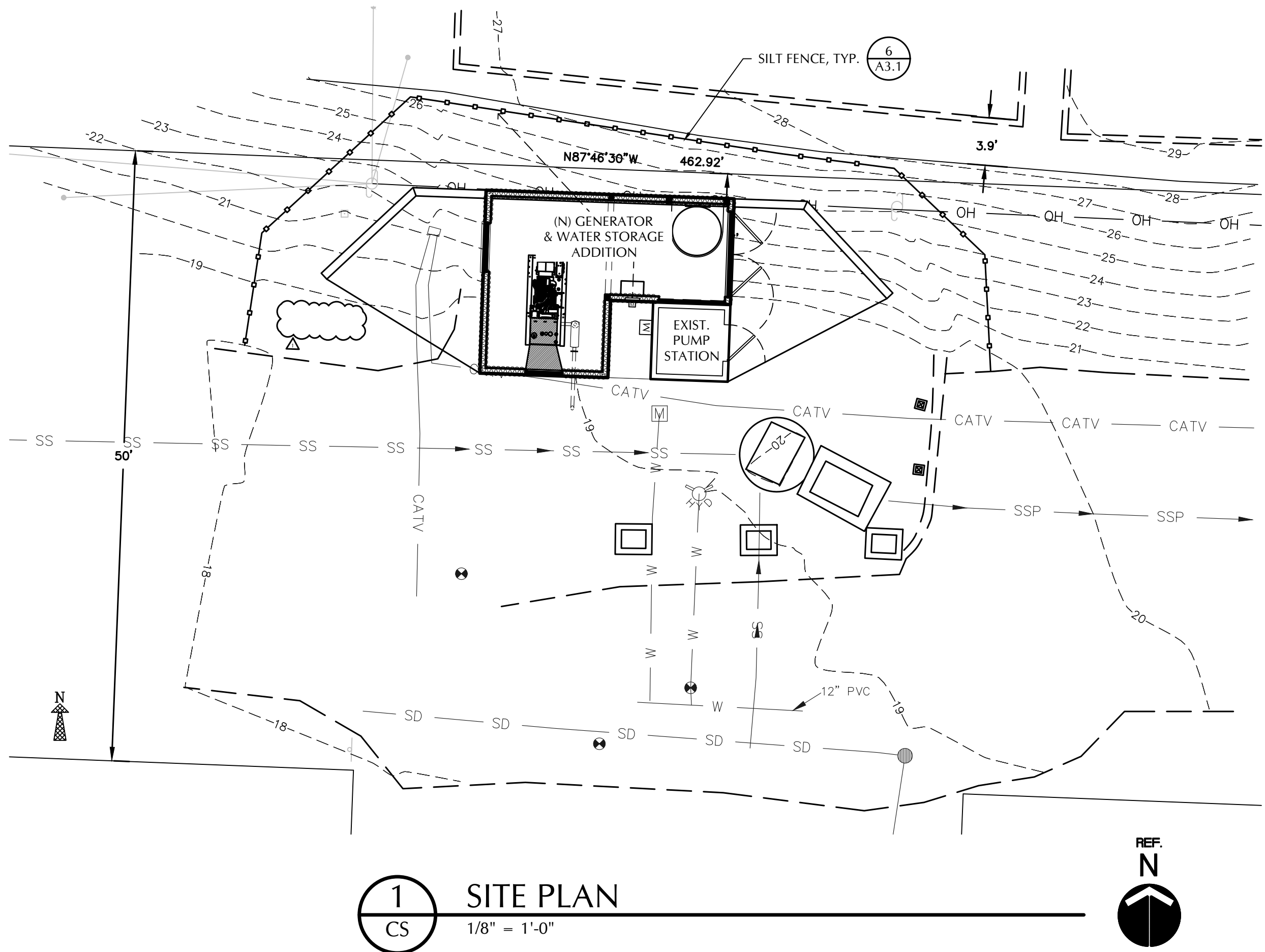
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| DRAWING TITLE | | | |
| MISC DETAILS | | | |
| ENGINEER: JRC | | CHECKED BY: DMH | |
| DATE: 02-22-2023 | | DRAWN BY: JRC | |
| SHEET NUMBER | | | |
| S2.1 | | | |

Printed on 03/24/2023 at 10:24 AM by User: C:\Users\rahn\Tolovana Architects\Dropbox\Projects\Active\City of Cannon Beach\Pump Stations 2022\ACAD\Sheet Sets\XR_Building - SIUSLAW - RES. OR 2021_InsulTable_2021_ACAD-22-083_XR_SITE - SIUSLAW - SILT FENCE

ABBRV.

| | | | |
|-------------|---|----------|---------------------------|
| A.F.F. | Above Finish Floor | OZ. | Ounce |
| ACOUST. | Acoustical | O.D. | Outside Diameter (Dim.) |
| A.C.T. | Acoustical Clg. Tile | P. | Paint |
| ADJ. | Adjust, Adjustable | PR. | Pair |
| AGG. | Aggregate | P.T.D. | Paper Towel Dispenser |
| AL. | Aluminum | P.T.D.R | Paper Towel Disp & Recept |
| A.B. | Anchor Bolt | P.T.R. | Paper Towel Receptacle |
| APPROX. | Approximately | PART.BD. | Particle Board |
| ARCH. | Architectural | PTN. | Partition |
| A.D. | Area Drain | PERF. | Perforated |
| ASPH. | Asphalt | PLAS. | Plaster |
| A.C. | Asphaltic Concrete | P.LAM. | Plastic Laminate |
| BM. | Beam | PL. | Plate |
| BITUM. | Bituminous | PWD. | Plywood |
| BLK. | Block | PT. | Point |
| BLKG. | Blocking | P.P. | Power Pole |
| BD. | Board | PRCST. | Precast |
| BOT./BTM. | Bottom | PREFIN. | Prefinished |
| B.C. | Bottom of Curb | P.T. | Pressure Treated |
| B.W. | Bottom of Wall | P.L. | Property Line |
| BLDG. | Building | Q.T. | Quarry Tile |
| CAB. | Cabinet | R.orRAD. | Radius |
| C.P.T. | Carpet | REF. | Reference |
| C.I. | Cast Iron | REFR. | Refrigerator |
| C.I.P. | Cast In Place | REINF. | Reinforced |
| C.B. | Catch Basin | REQT. | Requirements |
| CLG. | Ceiling | RES. | Resilient |
| CEM. | Cement | R. | Riser(s) |
| CTR. | Center | R.D. | Roof Drain |
| C.T. | Ceramic Tile | RM. | Room |
| CLR. | Clear | R.O. | Rough Opening |
| CLO. | Closer | S.GL. | Safety Glass |
| C.O.S. | Color Owner Select | S.N.D. | Sanitary Napkin Disposal |
| COL. | Column | SCHED. | Schedule |
| CONC. | Concrete | S.C.D. | Seal Cover Dispenser |
| CMU. | Conc. Masonry Units | SECT. | Section |
| COND. | Condition | SHG. | Service Sink |
| CONSTR. | Construction | SHT. | Sheet |
| CONT. | Continuous | SH. | Shelf |
| CONTR. | Contractor | SHR. | Shower |
| C.J. | Control Joint | SHR. | Similar |
| CORR. | Corridor | S.O.G. | Slab on Grade |
| CNTR. | Counter | S.D. | Soap Dispenser |
| CTSK. | Countersink | S.C. | Solid Core |
| DEPT. | Department | SQ. | Square |
| DET. | Detail | S.F. | Square Feet |
| DIA. | Diameter | S.&V. | Stain and Varnish |
| DIM. | Dimension | S.STL. | Stainless Steel |
| DW. | Dishwasher | STD. | Standard |
| DISP. | Disposal (Garbage) | STL. | Steel |
| DR. | Door | STOR. | Storage |
| DBL. | Double | STRL. | Structural |
| DN. | Down | SYM. | Symmetrical |
| DS. | Downspout | SYS. | System |
| DWR. | Drawer | TEL. | Telephone |
| DWG. | Drawing | T.V. | Television |
| D.F. | Drinking Fountain | THK. | Thick |
| E.A. | Each | TOIL. | Toilet |
| E.S. | Each Side | T.P.D. | Toilet Paper Dispenser |
| E. | East | T&G | Tongue and Groove |
| E.W.C. | Electric Water Cooler | T.C. | Top of Curb |
| ELEC. | Electrical | T.P. | Top of Pavement |
| EL. | Elevation | T.P.L. | Top of Plate |
| ELEV. | Elevator | T.W. | Top of Wall |
| EMER. | Emergency | T. | Treads |
| ENCL. | Enclosure | TYP. | Typical |
| EQ. | Equal | UNF. | Unfinished |
| EQPT. | Equipment | U.O.N. | Unless Otherwise Noted |
| EXIST. | Existing | UR. | Urinal |
| EXP. | Expansion | V.P. | Veneer Plaster |
| EXP.O. | Expansion Joint | V.G. | Vertical Grain |
| EXT. | Exterior | VEST. | Vestibule |
| E.I.F.S. | Exterior Insulation & | V.C.T. | Vinyl Composition Tile |
| F.O.C. | Face of Concrete | V.W.C. | Vinyl Wall Covering |
| F.O.F. | Face of Finish | WSC.T. | Wainscot |
| F.O.M. | Face of Masonry | WC. | Wallcovering |
| F.O.S. | Face of Studs | W.C. | Water Closet |
| F.FIN. | Factory Finish | W.H. | Water Heater |
| FIN. | Finish | WP. | Waterproof |
| F.F. | Finish Floor | WT. | Weight |
| F.F.E. | Finish Floor Elevation | W. | West |
| F.A. | Fire Alarm | W.W. | Window |
| F.E. | Fire Extinguisher | W/. | With |
| F.C. | Fire Extinguisher Cab | W/O | Without |
| F.H.C. | Fire Hose Cabinet | WD. | Wood |
| F.R.T. | Fire Retardant Treated | W.W.F. | Woven Wire Fabric |
| FRF. | Fireproof | W. | And |
| FIXT. | Fixture | W. | Angle |
| F.B. | Flat Bar | W. | At |
| F.H. | Flat Head | | |
| FL. | Floor | | |
| F.D. | Floor Drain | | |
| F.P.H.B. | Freeze Proof Hose Bibb | | |
| FT. | Foot or Feet | | |
| FTG. | Footing | | |
| FDN. | Foundation | | |
| F.S. | Full Size, Scale | | |
| F.O.I.C. | Furnished by Owner, Installed by Contractor | | |
| FURR. | Furring | | |
| FUT. | Future | | |
| GALV. | Galvanized | | |
| G.I. | Galvanized Iron | | |
| G.D. | Garbage Disposal | | |
| G. | Gauge | | |
| GLU-LAM | Glu-Laminated | | |
| GL. | Glass | | |
| G.B. | Grab Bar | | |
| GR. | Grade | | |
| GND. | Ground | | |
| GYP.BD. | Gypsum Wallboard | | |
| GYP.BD./WR. | Water Resistant Gypsum | | |
| GYP. | Gypsum | | |
| HDWE. | Hardware | | |
| HT. | Height | | |
| H.C. | Hollow Core | | |
| H.C.P. | Hollow Core Plank | | |
| H.M. | Hollow Metal | | |
| HORIZ. | Horizontal | | |
| H.B. | Hose Bibb | | |
| HR. | Hour | | |
| IN. | Inch(es) | | |
| I.D. | Inside Diameter (Dim.) | | |
| INSUL. | Insulation | | |
| INT. | Interior | | |
| JAN. | Janitor | | |
| JT. | Joint | | |
| K.D. | Kiln Dried | | |
| KIT. | Kitchen | | |
| K.DN. | Knock Down | | |
| LAV. | Lavatory | | |
| LT. | Light | | |
| LKR. | Locker | | |
| MACH. | Machine | | |
| M.B. | Machine Bolt | | |
| MH. | Manhole | | |
| MFR. | Manufacturer | | |
| M.O. | Masonry Opening | | |
| MAX. | Maximum | | |
| MECH. | Mechanical | | |
| M.C. | Medicine Cabinet | | |
| MDO. | Medium Density Overlay | | |
| MEMB. | Membrane | | |
| MET. | Metal | | |
| MIN. | Minimum | | |
| MISC. | Miscellaneous | | |
| MTD. | Mounted | | |
| MUL. | Mullion | | |
| NOM. | Nominal | | |
| N. | North | | |
| N.I.C. | Not in Contract | | |
| N.T.S. | Not to Scale | | |
| NO. | Number | | |
| OBS. | Obscure | | |
| O.C. | On Center | | |
| OPNG. | Opening | | |
| OPP. | Opposite | | |
| O.H. | Opposite Hand | | |

BUILDING PLANS FOR:
EMERGENCY GENERATOR & WATER STOR. TANK ADDITION TO
SIUSLAW PUMP STATION
CANNON BEACH CLATSOP COUNTY, OR



GENERAL NOTES

- THE CONTRACTOR(S) SHALL PERFORM ALL DEMOLITION AND FURNISH/INSTALL ALL MATERIALS/SERVICES NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS UNLESS NOTED OTHERWISE.
- WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF CURRENT IBC, STATE OF OREGON STRUCTURAL SPECIALTY CODE AND FIRE AND LIFE SAFETY REGULATIONS, LAW OF THE STATE FIRE MARSHAL, APPLICABLE PLUMBING MECHANICAL, ELECTRICAL CODES AND OTHER APPLICABLE CODES AND ORDINANCES.
- THE CONTRACTOR(S) SHALL OBTAIN AND PAY FOR INSPECTIONS BY CITY OF CANNON BEACH BUILDING DEPARTMENT .
- NO FINAL PAYMENT SHALL BE ISSUED UNTIL THE CONTRACTOR DELIVERS TO OWNER A CERTIFICATE OF COMPLIANCE/OCCUPANCY.
- CONTRACTOR SHALL COORDINATE ALL SUBCONTRACTOR WORK.
- CONTRACTOR SHALL PROVIDE ON SITE SUPERVISION DURING ALL WORK.
- ALL EXISTING CONDITIONS SHALL BE VERIFIED DURING CONSTRUCTION.
- BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK,THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS AND ELEVATIONS WHICH ARE REQUIRED FOR CONNECTIONS TO, OR INSTALLATION IN, AREAS COVERED BY DOCUMENTS. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY ON THE PLANS OR THE SITE.
- ANY CHANGES OR REVISIONS TO THESE DRAWINGS BY OWNER, CONTRACTOR, OR SUBCONTRACTORS AFTER PERMIT ISSUANCE MUST BE REVIEWED AND APPROVED BY THE ARCHITECT ON RECORD PRIOR TO CONSTRUCTION.
- FLOOR JOIST AND PREMANUFACTURED TRUSS SHOP DRAWINGS, IF NOT PROVIDED BY ARCHITECT AT TIME OF PERMITTING, ARE REQUIRED TO BE REVIEW AND APPROVED BY THE ARCHITECT ON RECORD PRIOR TO MANUFACTURING AND INSTALLATION.

DRAWING INDEX

| ARCHITECTURAL | | | | |
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| A2.1 | ELEVATIONS & SECTIONS | | | |
| A3.1 | DETAILS | | | |
| A4.1 | WINDOW INSTALLATION SEQUENCE DIAGRAM | | | |
| STRUCTURAL | | | | |
| S0.0 | STRUCTURAL NOTES | | | |
| S1.1 | FRAMING DETAILS | | | |
| S1.2 | MISC. DETAILS | | | |
| S2.1 | MISC. DETAILS | | | |

PROJECT TEAM

OWNER:
CITY OF CANNON BEACH
163 E. GOWER
CANNON BEACH OR 97110

ARCHITECT:
TOLOVANA ARCHITECT LLC 503-436-0519
P.O. BOX 648, TOLOVANA PARK, OREGON 97145
DAVID VONADA, A.I.A. DAVID@TOLOVANAARCHITECTS.COM

STRUCTURAL ENGINEER:
VISTA STRUCTURAL ENGINEERING, LLC 971-233-6099
14718 NW DELIA STREET, PORTLAND OREGON 97229

BUILDING STATISTICS

| | | | |
|----------------------------|-----------------------------|----------------|--|
| JURISDICTIONS: | CITY OF CANNON BEACH OREGON | | |
| ZONING: | | XX | |
| OCCUPANCY GROUP | | XX | |
| BUILDING CONSTRUCTION TYPE | | XX | |
| FIRE SPRINKLERS | | NO | |
| BUILDING AREA: | | | |
| EXISTING PUMP BUILDING | APPROX. | 40 S.F. | |
| NEW ADDITION | APPROX. | 243 S.F. | |
| TOTAL BUILDING AREA: | APPROX. | 283 S.F. | |
| ALLOWABLE HEIGHT: | 28'-0" | SEE SHEET A2.1 | |

SYMBOLS LEGEND

| | | |
|----------------------|--|---|
| KEYNOTE | | KEYNOTE NUMBER |
| ROOM TAG | | ROOM NAME ROOM NUMBER |
| REVISION TAG | | REVISION NUMBER |
| ELEVATION TAG | | DETAIL NUMBER SHEET NUMBER |
| BUILDING SECTION TAG | | SECTION NUMBER SHEET NUMBER |
| DETAIL TAG | | DETAIL NUMBER SHEET NUMBER |
| | | SHEAR WALL DESIGNATION SEE SCHEDULE |
| TITLE LINE | | DRAWING NUMBER DRAWING NAME DRAWING SCALE SHEET NUMBER |

INSULATION TABLE



Tolovana Architect LLC
P.O Box 648
Tolovana Park, Oregon 97145



PERMIT SET

BUILDING PLANS FOR:
EMERGENCY GENERATOR &
WATER STOR. TANK ADDITION TO
SIUSLAW PUMP STATION
W. SIUSLAW ST. AND S. PACIFIC AVE.
CANNON BEACH, OREGON 97110

| MARK | DATE | DESCRIPTION |
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COVER SHEET



CS

3-28-2023 PERMIT SET


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C:\Users\Taha\Tolovana Architects Dropbox\Projects\Active\City of Cannon Beach\Pump Stations 2022\ACAD\SHEET SETS\

SPECIFICATIONS FOR SIUSLAW PUMP STATION
GENERATOR ADDITION CANNON BEACH OREGON


GENERAL REQUIREMENTS

- A. Construction Type: Wood framed Type V B
- B. ~~Occupancy Group: U~~ 
- C. Foundation System: Reinforced concrete.
- D. Construction to meet local and State codes:
- E. ~~OSSC 2022~~ 
- F. International Residential Code
- G. NFPA
- H. OSHA
- I. Mechanical Code
- J. Electrical Code

DELEGATED DESIGN REQUIREMENTS

- A. Delegated Design Engineered Components: Delegated Design Engineered components known at this time to require structural review and submittal:
- B. ~~Pre-manufactured Trusses~~ 
- C. Wood I Joists
- D. Plumbing Systems
- E. Mechanical Systems
- F. Electrical Systems
- G. Fire Detection and Alarm
- H. Design drawings and structural calculations to bear seal and signature of licensed Professional Engineer in State which project is located.


QUALITY REQUIREMENTS

- A. Scope:
- B. Quality control services include inspections, tests, and related actions, including reports performed by Contractor, by independent agencies, and by governing authorities. Requirements do not include Contract enforcement activities performed by Architect.
- C. Perform Field Test on Mock-up when elected by Owner.
- D. ~~Comply with requirements of 2022 Oregon Structural Specialty Code.~~ 
- E. See Structural Notes

TEMPORARY TREE AND PLANT PROTECTION

- A. Protect existing trees to remain on or near project site from damage due to construction activities.

SELECTIVE DEMOLITION AND EXCAVATION


- A. Salvage and recycling all materials as feasible.
- B. Remove slabs and asphaltic paving, concrete foundations, abandoned utilities, and dispose off site.
- C. Protect all public utilities from damage due to construction activities.
- D. ~~Remove the above ground heating oil tank from garage.~~ 

CAST-IN-PLACE CONCRETE

- A. Provide foundation walls and footings as indicated on drawing, Structural Notes, and detail drawings.
- B. Formwork: Any standard products with sufficient strength to withstand hydrostatic head without distortion in excess of permitted tolerances.
- C. Standard Reinforcing Bars: ASTM A 615/A 615M, Grade 60.
- D. Galvanizing: ASTM A767/A 767M, Class I.
- E. Epoxy Coating: ASTM A 775/A 775M.
- F. Weldable Reinforcing Bars: ASTM A 706/A 706M, deformed low-alloy steel bars.
- G. Weldable Steel Mat: ASTM A 704/A 704M, using ASTM 615/A 615M Grade 60 steel bars or rods, unfinished.
- H. Stirrup Steel: ASTM A 82 steel wire, finish matching reinforcing bars.
- I. Fabrication of Reinforcement: Comply with ACI SP-66.
- J. Cement: ASTM C 150, Type I - Normal.
- K. Normal Weight Aggregates: ASTM C 33
- L. Fiber Reinforcement: Alkali-resistant glass fiber; 1/4-inch length.

- M. Water: Clean and not detrimental to concrete.
- N. Normal Weight Concrete: Proportions in compliance with ACI 211.1, recommendations
- O. Establish required average strength for each type of concrete based on field experience or trial mixtures, as specified in ACI 301.
- P. Strength: Minimum 3,000 PSI unless noted otherwise in Structural Notes.
- Q. Allowable Slump: 5-inches unless noted otherwise in Structural Notes.

PLACING AND FINISHING CONCRETE:

- A. Place concrete in accordance with ACI 304R.
- B. ~~Place and finish concrete for floor slabs in accordance with ACI 302.1R - Troweled Finish~~ 
- C. Do not interrupt successive placement; do not permit cold joints to occur.

ROUGH CARPENTRY

- A. Lumber Standards:
- B. Comply with PS 20 and grading rules of West Coast Lumber Inspection Bureau (WCLB), Western Wood Products Association (WWPA).
- C. Provide dressed lumber, S4S, unless rough lumber is specifically indicated.
- D. Moisture content 19 percent maximum, except as otherwise indicated for particular members.
- E. Concealed Dimension Lumber Studs: Douglas fir-larch, Douglas fir, or hem-fir, No. 2.
- F. Joists, Rafters, Posts, and Small Beams (Sizes Up to 4 x 16):
- G. Machine stress-rated (MSR) as follows:
- (1) Minimum Extreme Fiber Stress in Bending (Fb): 1350 psi.
- (2) Minimum Modulus of Elasticity (E): 1,300 ksi.
- H. Douglas fir-larch, Douglas fir, or hem-fir, No. 2.

- I. Exposed Dimension Lumber:
- J. Studs: Provide Douglas fir-harch, douglas fir, hem-fir, no. 2 preservative-treated.
- K. Joists, Rafters, Posts, and Small Beams (Sizes Up to 4 x 16):
- L. Species: Provide Douglas fir-harch, douglas fir, hem-fir, no. 2 preservative-treated.
- M. Subfloor/Underlayment Combination: APA Rated Sturd-I-Floor; Exposure Class Exterior; span rating of 16 in on center; tongue and groove edges.
- N. APA Rated Subflooring: Exposure Class Exterior; span rating of 32/16 in.
- O. Particleboard Subflooring: ANSI A208.1, Grade M-2 exterior glue waferboard; 1/2 in thickness; square edge.
- P. APA Rated Roof Sheathing: Exposure Class Exterior, Structural I; span rating of 24/0 in.
- Q. APA Rated Wall Sheathing: Exposure Class Exterior, Structural I; span rating of 24/0 in.
- R. Joist Hangers: Hot dipped galvanized steel, G185 - interior. Type 304 stainless steel or ZMAX - exterior.
- S. Wood Treatment: Comply with AWPA U1.
- T. Fire Retardancy: Pressure impregnated chemical treatment; Use Category UCFA for interior, UCFB for exterior. Where noted.

- U. Preservative Pressure Treatment: Borate preservative.
- V. Treat furring in rainscreen system. Where noted.

- W. Preservative Pressure Treatment: AWPA Use Category UC3B, Commodity Specification A (Treatment C2) using waterborne preservative to 0.25 lb/cu ft retention, CCA or ACQ.
- X. Pressure treat cants, nailers, blocking, curbs, equipment support bases, stripping and similar items in association with roofing and flashing.

WOOD I JOISTS


- A. Wood chord and plywood web "I" joists for floor / roof framing engineered by contractors supplier.
- B. Manufacturer: Wood "I" joists by Weyerhaeuser or Boise Cascade.

GLUE-LAMINATED BEAMS

- A. Glue-laminated beams.

- B. Appearance Grade: Industrial unless otherwise noted.
- C. Comply with ANSI/AITC A190.1.
- D. Combination Symbol: 24-F-X4 DF/DF at simple spans and 24-F-V8 DF/DF at multiple and cantilever spans, conforming to WWP A grading rules with 12 percent maximum moisture content before fabrication.
- E. Adhesive: Wet use
- Exterior Architectural woodwork
- A. Scope: Exterior standing and running trim.
- B. Wood Species: Western Red Cedar. Select Structural Western Red Cedar.
- C. Appearance: Resawn

INTERIOR ARCHITECTURAL WOODWORK


- A. ~~Scope: Interior Trim~~ 
- B. Standards: Comply with AWI Custom quality standards.
- C. Finish: as selected by Owner.

~~D. Wood Species: Match existing house.~~ 

BITUMINOUS DAMPPROOFING

- A. Scope: Cold-applied asphalt emulsion dampproofing as indicated on drawings.
- B. Cold-Applied Asphalt Dampproofing Mastic: Asphalt roof cement complying with ASTM D 4586, Type I.
- C. MATERIALS: BITUMINOUS DAMPPROOFING. COMPLY WITH ASTM D1227, TYPE III OR IV.Manufacturers: Chem RexInc, Kamak Chemical Crcorporation, W.R. Meadows Inc., or approved.

SOUND ATTENUATION INSULATION

- A. Owens Corning sound attenuation batting or equal.
- C. ~~Face Batt Insulation: R-VALUE AS SCHEDULED ON DRAWINGS. MAXIMUM 1.0 PERMEABILITY.~~ 

FOAMED-IN-PLACE INSULATION

BASF Polyurethane Foam Enterprises LLC: www.foamenterprises.com.
BIOBASED SYSTEMS, LLC: PRODUCT: BIOBASED 501; WWW.BIOBASED.NET. DEMILEC USA; PRODUCT: SEALECTION 500; WWW.SEALECTION500.COM

BUILDING PAPER WEATHER BARRIERS

- A. ASPHALT SATURATED FELT, NON-PERFORATED BREATHER TYPE PAPER: ASTM D226, TYPE I, GRADE D, STYLE 2. TWO PLY JUMBOTEX.
- B. Fortifiber Building Systems Group: Product: Super Jumbo Tex; www.fortifiber.com. Or approved
- C. Water Hold Out: ASTM D-779; 60 minutes.
- D. Vapor Permeability: ASTM E96; 11 grams.
- E. Tensile Strength: ASTM D-828; MD=70 lb f/inch and CD=60 lb f/inch.
- F. Sealant: Moistop Sealant or type approved by manufacturer for application.
- G. Sealing Tape: Type recommended by manufacturer.
- H. Fasteners: Galvanized nails or screws with large heads or plastic washer heads.

SELF-ADHERED MEMBRANE FLASHING

- A. Sheet Membrane Flashing:
- B. Locations: Opening penetrations and as indicated:
- C. General:
- (1) Reinforced polyethylene-faced, rubberized, self-adhesive membrane.
- (2) Thickness: 25 mils. Includes removable release film protecting adhesive surface.
- D. Manufacturers:
- (1) Henry Company; Product: BlueSkin TWF; www.henry.com.
- (2) International Building Components; Product WaterBlock - 40; www.waterblocksystems.com.
- (3) Fortifiber Building Systems Group, FortiFlash; www.fortifiber.com
- E. Surface Conditioners/Primers: High-tack SBS rubber based primer or as recommended by manufacturer.
- F. Fasteners: Stainless steel.
- G. Detailing Compounds: Liquid membrane, 1 or 2 component sealants or mastics supplied by membrane manufacturer intended for detailing around penetrations and at lapped seams.

WOOD SIDEWALL SHINGLES

EXHIBIT F

- A. Sidewall shingles manuf. by Cedar Shingle Bureau. Certi-Sawn Tapersaw Shakes
- B. Wood Shingles: Western Red Cedar, CSSB No.1 Grade, Blue Label. Member mill.
- C. Size: 16 inches long.
- D. Exposure: 6" unless otherwise noted.
- E. Pressure fire retardant treated: Class C, where required.
- F. Nails: Standard round wire shingle type, stainless steel of sufficient length to penetrate through wall sheathing.
- G. Metal Flashings: Provide stainless steel sheet metal flashing as indicated.

COMPOSITION ROOF SHINGLES (NOT USED)

- A. Composition roof shingles manuf. by IKO - Certainteed EQ alt.
- B. Composition Shingles: Dynasty or Cambridge Architectural. Color as selected by Owner. Min 30yr warranty
- C. Design Wind Speed: 130 mph
- D. Exposure On Roofs: Not more than that recommended by Manuf. for roof slope and type of underlayment used.
- E. Ridge and Hip Caps: Prefabricated lapped single ply units of matching quality and thickness.
- F. Valleys: Open, with shingles cut for straight edge.
- G. Roofing Membrane: All roofs to have full ice/water self adhered membrane.
- H. Nails: Standard round wire shingle type, aluminum or hot-dipped zinc coated steel, of sufficient length to penetrate through roof sheathing or 1/4 inch into roof sheathing or decking.
- I. Plastic Cement: ASTM D 4586, asphalt roof cement.
- J. Ridge Vents: Per roofing selected
- K. Metal Flashings: Provide stainless steel sheet metal eave edge, gable edge, ridge, open valley flashing, dormer flashing, and other flashing indicated.
- L. Bituminous Paint: Acid and alkali resistant type; black color


SHEET METAL FLASHING AND TRIM


- A. Stainless Steel Sheet: ASTM A 666. Type 304.
- B. Medium Weight: 0.015 inch thick
- C. Copings, Fascia and exposed Trim: stainless steel medium weight specified above.
- D. Joints: Sealed with sealant; interlocking seams providing movement at maximum 10 feet on center.

JOINT SEALERS

- A. Silicone Sealant:Single-component, non-sag, joint movement range 50-100 percent in extension and 50 percent in compression.Dow Corning 790 or 795
- B. Polyurethane Sealant:Two-component, non-sag, joint movement range 50 percent in extension and compression.Mameco Vulkem 922, Pecora Dynatrol II, Sonolastic NP2, Trimco 511
- C. Foam Air-Infiltration Sealant: Grace Polycel One, DAP Kwik Foam, Silicone Rubber Sealant: Single-component, architectural grade. Dow Corning 786, Tremco Proglaze
- D. At openings and joints in exterior walls: Silicone sealant.
- E. At opening and joints in interior walls: Polyurethane sealant.
- F. At electrical boxes and exterior walls where insulation is interrupted: Foam air-infiltration sealant.
- G. At toilet fixture joints: Silicone rubber sealant.
- H. Warranty: 5-years.

DOORS

- A. ~~Exterior Front Entry Door: Wood~~ 
- B. Exterior Doors: Epoxy painted steel
- C. Interior Doors: Epoxy painted K.D. steel frames
- D. Type: Per door schedule.
- E. Style & material: Per door schedule.


- F. ~~Construction~~ 
- G. ~~Units: Solid core wood~~
- H. ~~Interior Wood Frames~~

- ~~Material: Hem fir~~ 
- J. Finish: Paint as scheduled.

POWERED LOUVER VENTS

- A. Manufacturer: Air Louvers or equal.
- B. Material: Stainless steel or aluminum.
- C. Size: Per HVAC Contractor & CAT.
- D. ~~Screens: Fiberglass~~
- E. ~~Glazing: Dual pane low E~~
- F. ~~Argon filled air space~~
- G. ~~Grid: To match main residence~~
- H. ~~Interior wood to be finished per owner~~


GYPSUM BOARD ASSEMBLIES

- A. Minimum Panel Thickness: 1/2-inch.
- B. Face Panels: ASTM C 36.
- C. W.R. Backing Panels: ASTM C 630, Standard and Type X.
- D. Cementitious Backer Units (Cement Board): ANSI A1 18.9.
- E. Minimum Wall Panel Thickness: 1/2-inch.
- F. Tile Backer Board: Glass-Mat Water Resistant Gypsum Tile Backer per ASTM 1178, 5/8 inch thick.
- G. Outside Corner Trim: Galvanized steel or PVC.
- H. Panel Edge Trim: Galvanized steel or PVC.
- I. 16 to 20 Gage Framing Screws: Type S, Bugle Head.
- J. ~~Wall Insulation Thickness: 3 inches~~ 
- K. Gypsum Board Panels Finish: Level of finish per Northwest Wall and Ceiling Bureau.
- L. Concealed areas: Level 1.
- M. At substrate for tile: Level 2.
- N. Painted walls and ceilings: Level 4.

FIRE PROTECTION SPECIALTIES

- A. Provide smoke detector system as required by Code.

INTERIOR & EXTERIOR LIGHTING

- A. Exterior
1. Water resistant LED
2. Per Owner.
- B. Interior Strip Light
1. Vapor resistant LED
2. PVC Case
3. Lexan lense or equal.
4. Per Owner 

EXCAVATION

- A. Scope:
- B. Provide rough grading for foundation and finished grading as shown on drawings.
- C. Stockpile spoils on-site as directed by owner.

EROSION AND SEDIMENTATION CONTROL

- A. Scope: Provide means to control of containment of erosion and sediment materials on site.

SITE SANITARY UTILITY SEWERAGE PIPING

- A. Protect existing system from damage during construction activities.

SITE STORM UTILITY DRAINAGE PIPING

- A. Make connection to existing.

FOUNDATION DRAINAGE

- A. Continuous perforated perimeter footing drain line at exterior base of foundation wall. Connect to storm drain.




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PERMIT SET

BUILDING PLANS FOR:
EMERGENCY GENERATOR &
WATER STOR. TANK ADDITION TO
SIUSLAW PUMP STATION
W. SIUSLAW ST. AND S. PACIFIC AVE.
CANNON BEACH, OREGON 97110

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SPECIFICATIONS

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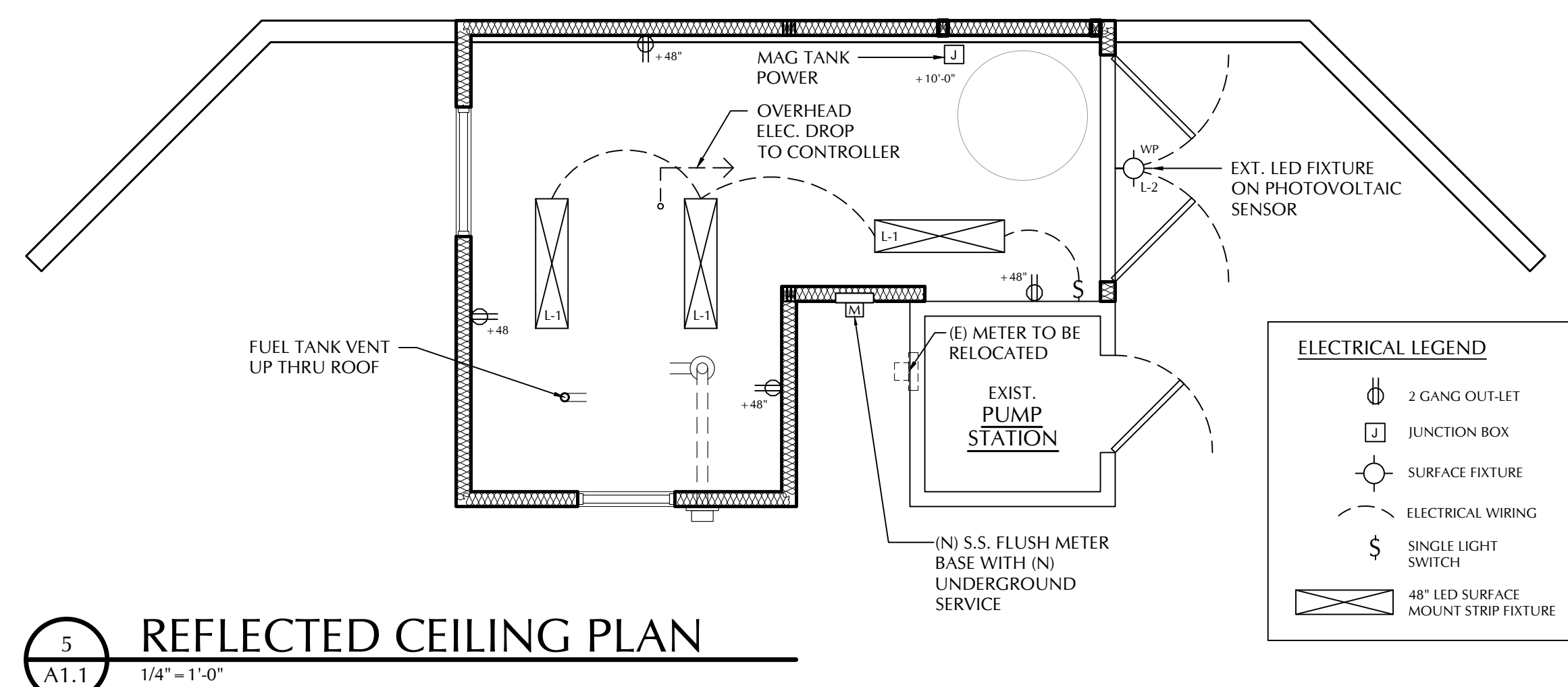
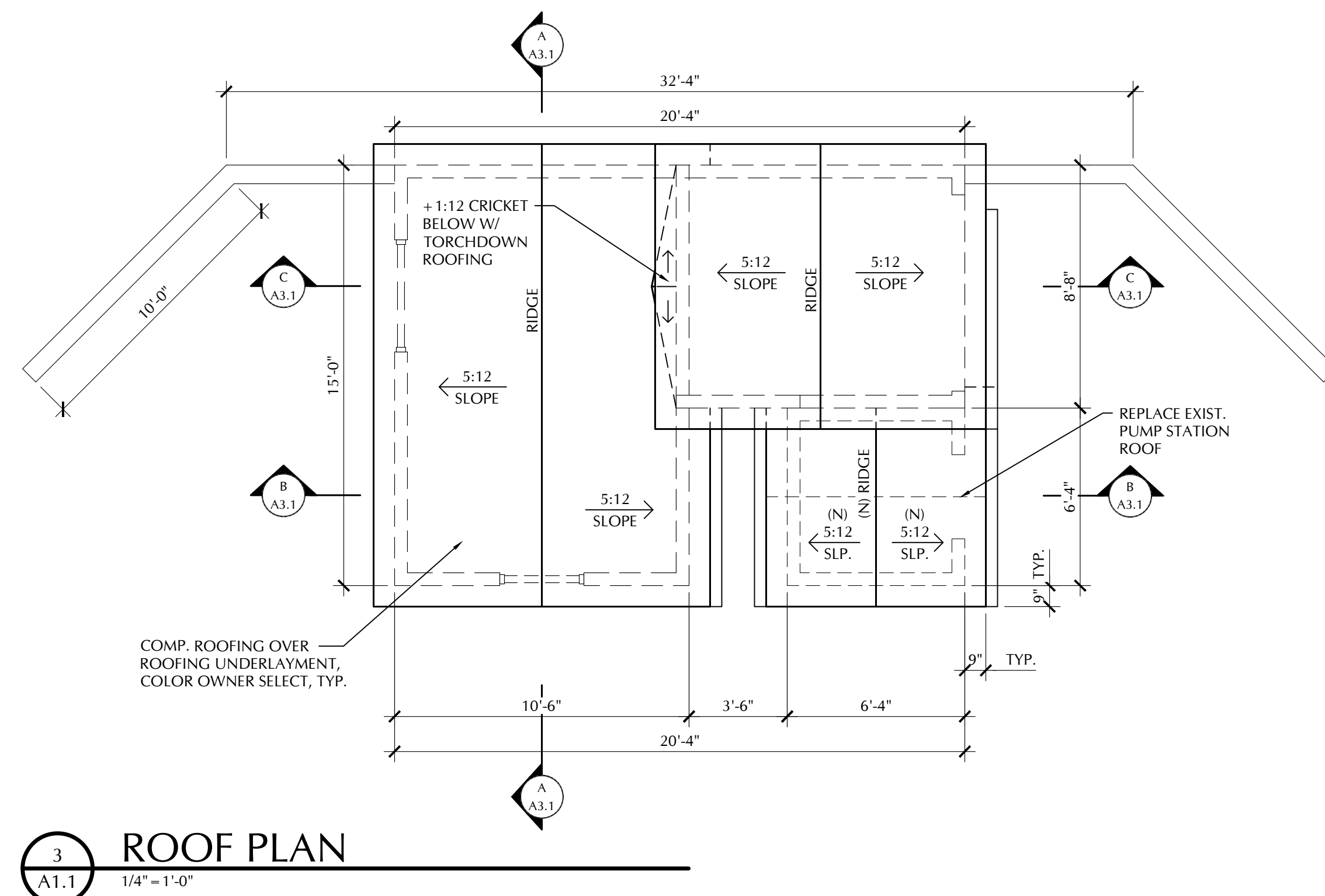
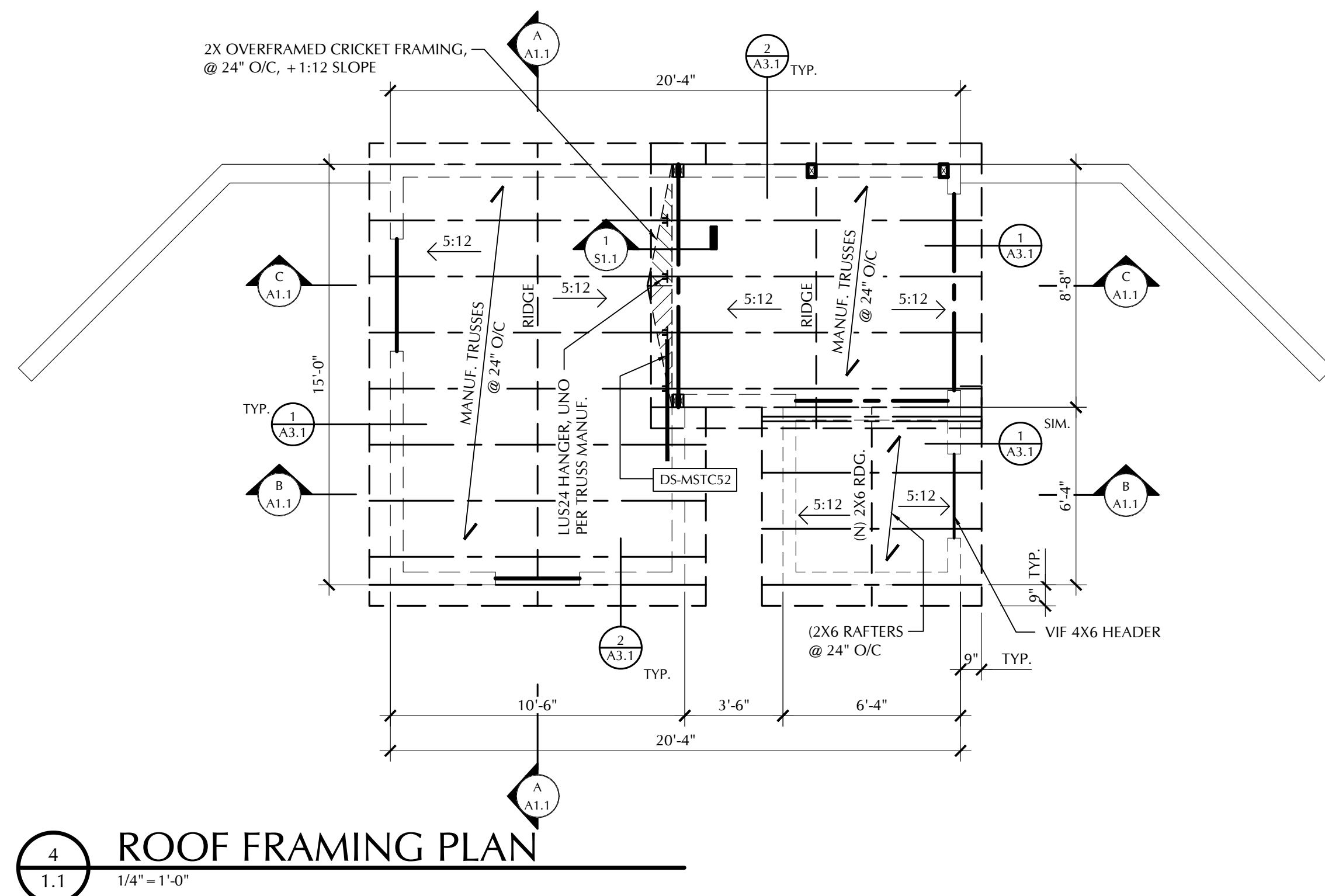
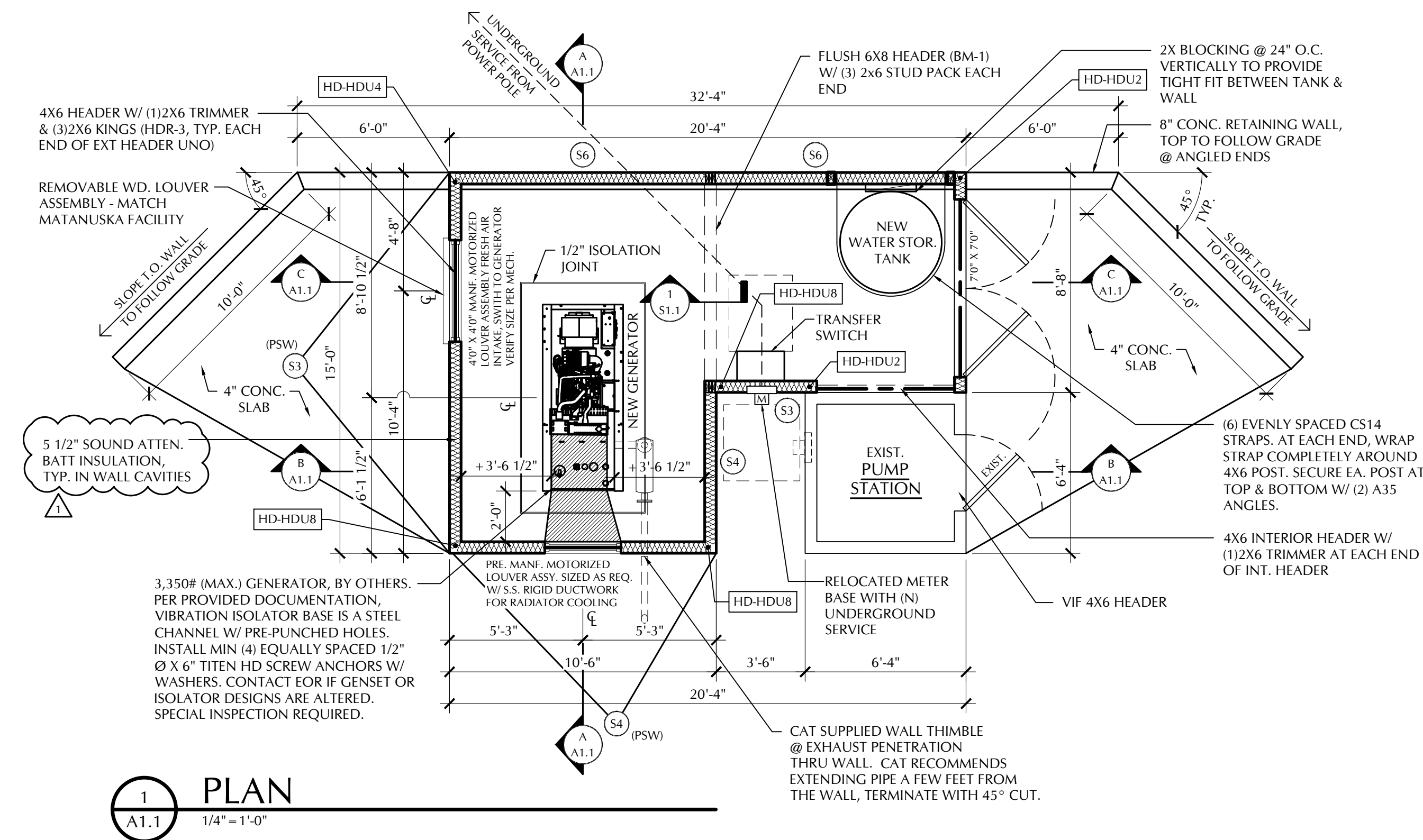
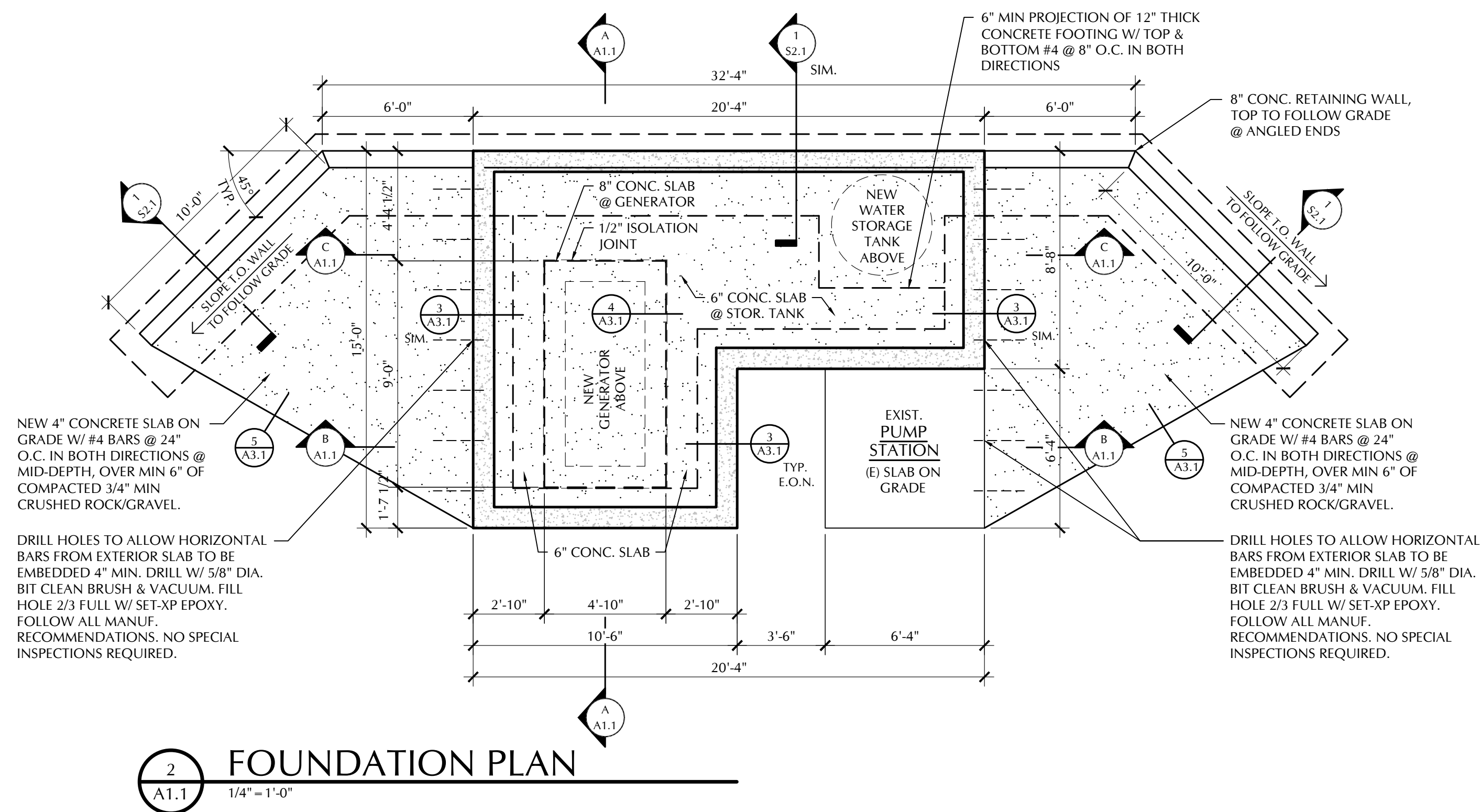
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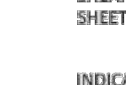
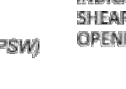


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FLOOR PLAN,
ROOF PLAN
& RCP

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| <p>LEGEND</p> <div>  <p>SHEAR WALL AND FASTENING PER SCHEDULE ON TABLE ON SHEET 31-1. GC TO VERIFY (E) SHEARWALL NAILING</p> </div> <div>  <p>INDICATES PERFORATED SHEARWALL. PROVIDE NAILING PER SHEARWALL SCHEDULE AT PANEL EDGES & AROUND ALL OPENINGS FOR ENTIRE WALL LENGTH.</p> </div> <div>  <p>HOLD-DOWN BRACKET AND ANCHOR PER DETAIL 31-5.1. LOCATION OF ANCHORS, BRACKETS, AND STUDS SHALL BE PER DETAIL 31-5.1.2.</p> </div> <div>  <p>DRAW STRUT STUD TABLE PER DETAIL 31-5.1</p> </div> | <p>FRAMING AND FOUNDATION NOTES</p> <ol style="list-style-type: none"> SEE DESIGN PERM SHEET FOR ALL FPN DIMENSIONS NOT SHOWN. GC TO VERIFY AND NOTIFY ENGINEER IF ANY DISCREPANCIES. IN ADDITION TO THE GENERAL NOTES & SPECIFICATIONS DETAINED IN THIS PLAN SET, ALL WORK & MATERIALS SHALL CONFORM TO THE 2018 IBC AND THE OSCS. FOUNDATION DESIGNING USING SOIL CLASSIFICATION 'D'. DESIGN SOIL BEARING PRESSURE ALLOWABLE = 1500 pcf. BOTTOM OF FOOTINGS TO BE PLACED BELOW A PROST DEPTH OF 12". ALL CONCRETE SHALL BE CURED PER ACI 318-14 STANDARDS. ALL REBAR SHALL BE ASTM A615 GRADE 60. ALL THE WIRE SHALL BE MIN. #16 ANNEALED STEEL. ALL REINFORCING STEEL SHALL BE TIED 100% ALONG ALL PERIMETER EDGES AND 50% FIELD. ALL REBAR LAP SPICES ARE TO BE CLASS B, PER ACI 318-14. REBAR IN FOOTINGS SHALL BE ON WELL CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, AS SPECIFIED BY THE CDS MANUAL OF STANDARD PRACTICE, MSP-1. COORDINATE PENETRATIONS OF SITE UTILITIES, MECHANICAL DUCTS, PIPING, AND ELECTRICAL CONDUITS/PANELS TO MINIMIZE IMPACT TO STRUCTURAL FRAMING. PLUMBING FIXTURES SHOWN ON FLOOR FOR REFERENCE AND POSSIBLE FUTURE FRAMING CONFLICTS ONLY. REFER TO DETAILS 7/51.2, 3/51.2 AND 4/51.1 FOR TYPICAL FRAMING AND PLATE NOTCHING, BORING AND CUTTING REQUIREMENTS. REFER TO DETAIL 8/51.2 FOR POST AT FLOOR BLOCKING REQUIREMENTS COORDINATE ALL DIMENSIONS & FEATURES NOT SHOWN WITH DESIGN PLANS. TRUSS SUPPLIER TO PROVIDE TYPICAL TRUSS CLIP AT EACH TRUSS, ADDITIONAL UPLIFT CLIPS SHOWN ARE BASED ON TRUSS ENGINEERING AS SUBMITTED BY TRUSS SUPPLIER. TRUSS SUPPLIER TO PROVIDE NECESSARY STUDS FOR GIRDER TRUSS SUPPORT & ALL REQUIRED ADDITIONAL HANGERS FOR TRUSS SUPPORT, INCLUDING UPLIFT STRAPPING TRUSS LAYOUT IS FOR REFERENCE ONLY. PLEASE CONFIRM LAYOUT & BEARING CONDITIONS WITH TRUSS SUPPLIER'S LAYOUT PLAN. SEE SHEET 30.0 FOR ALL NOTES AND SCHEDULES. |
|--|---|

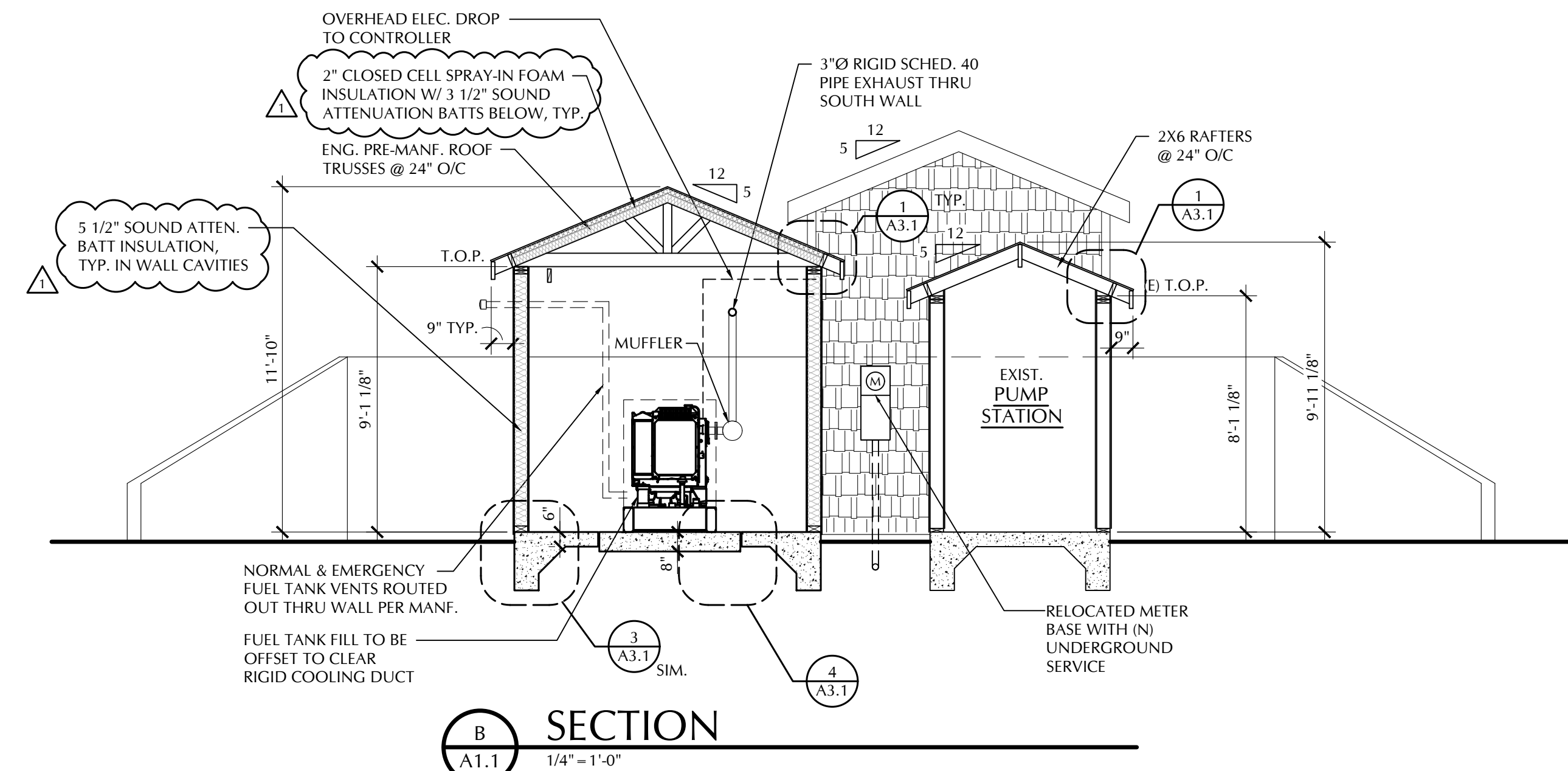
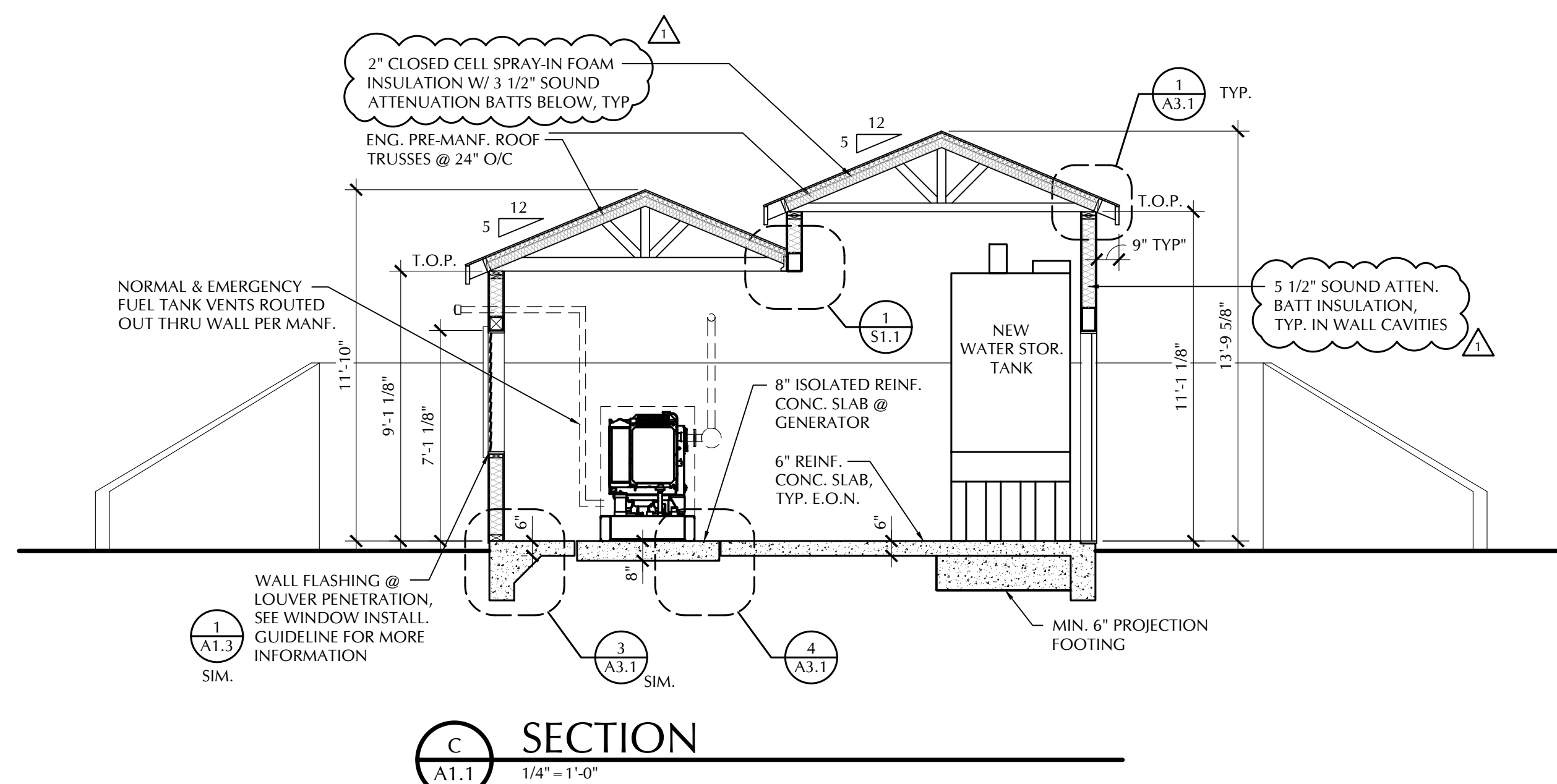
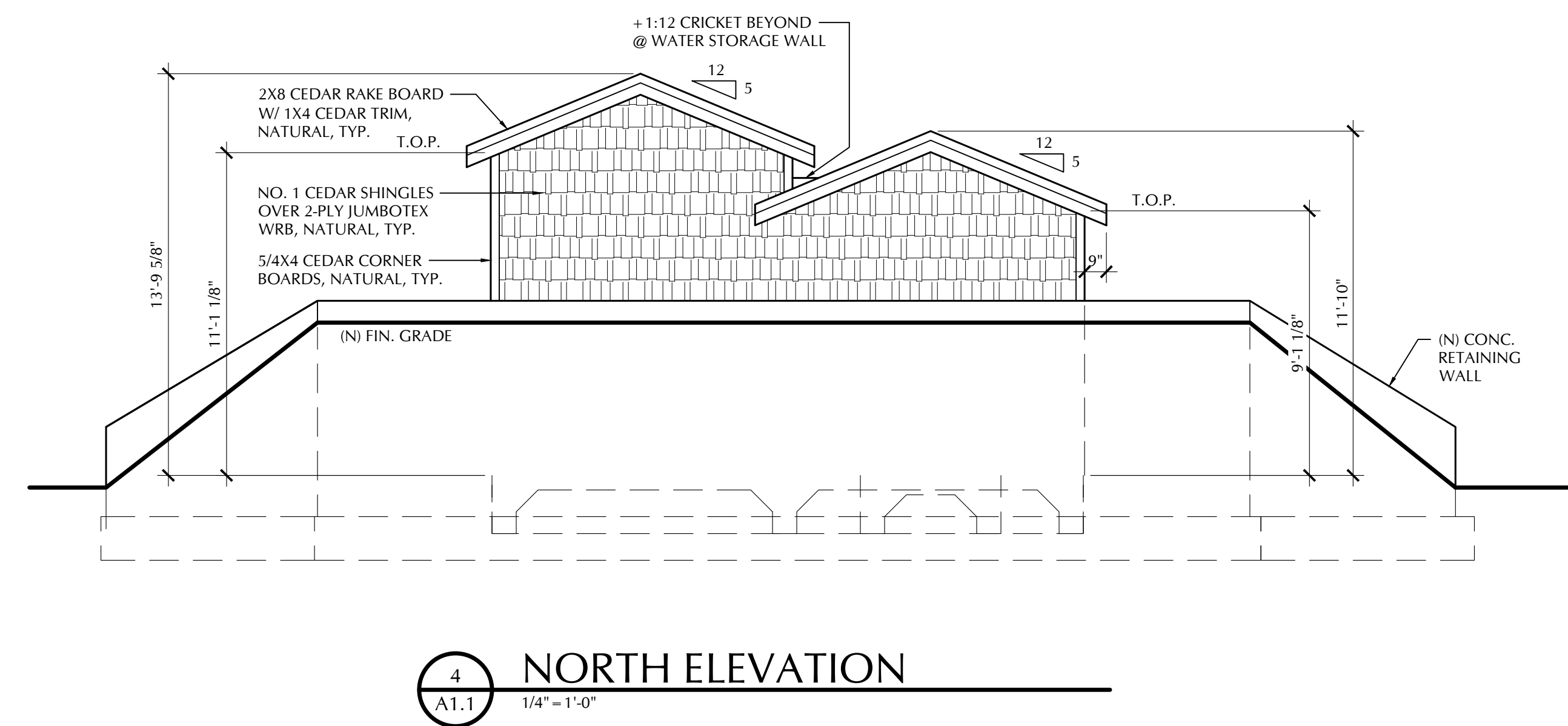
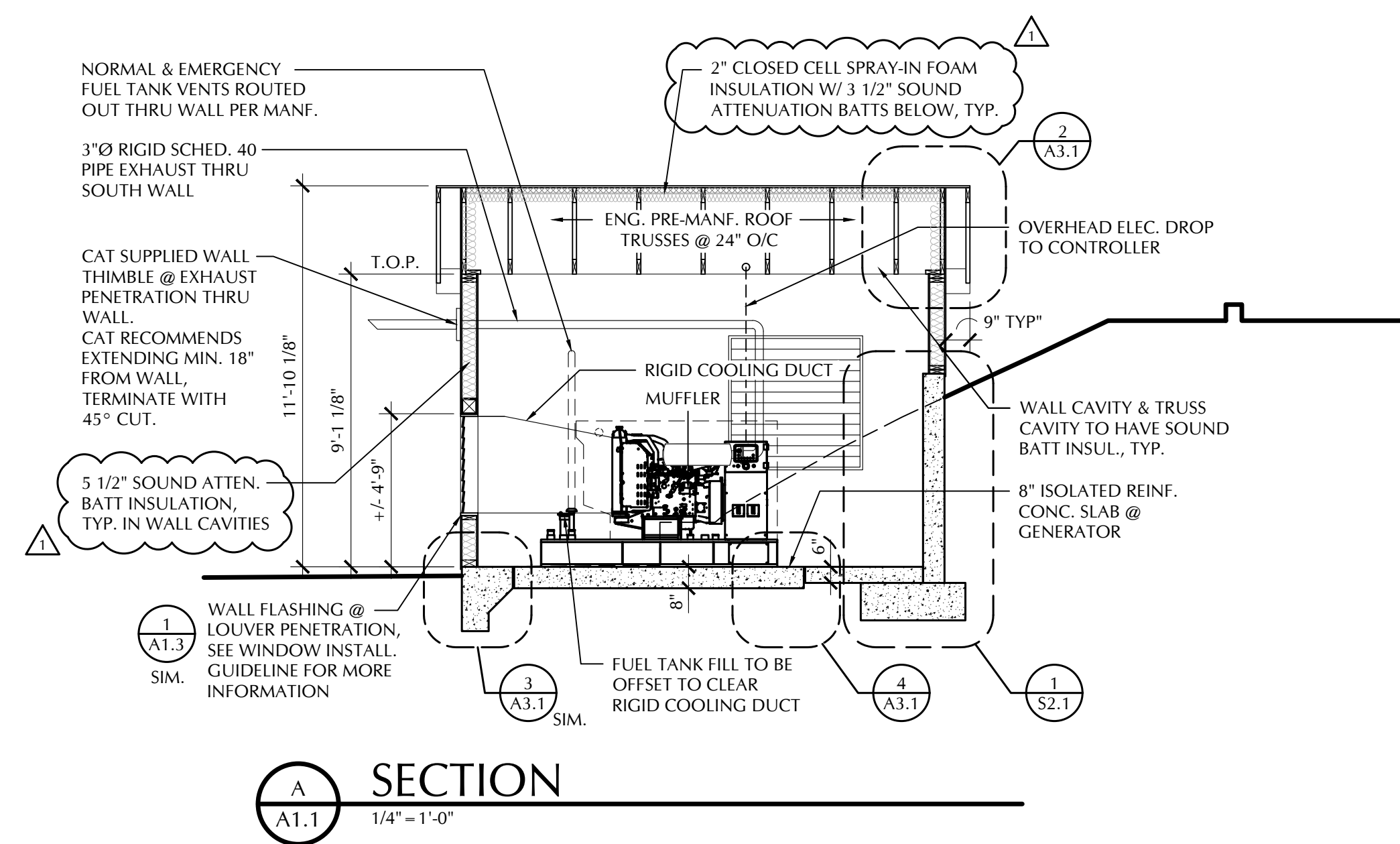
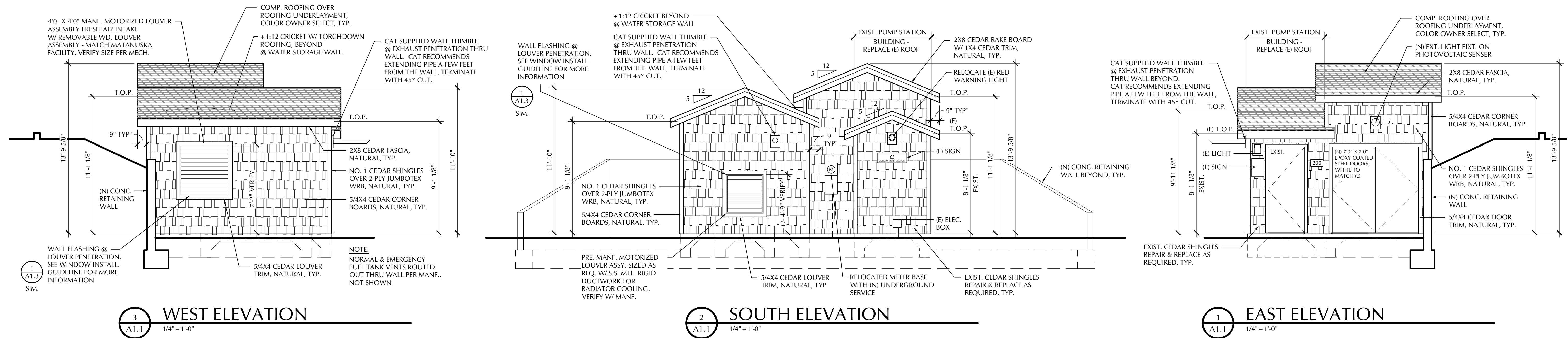
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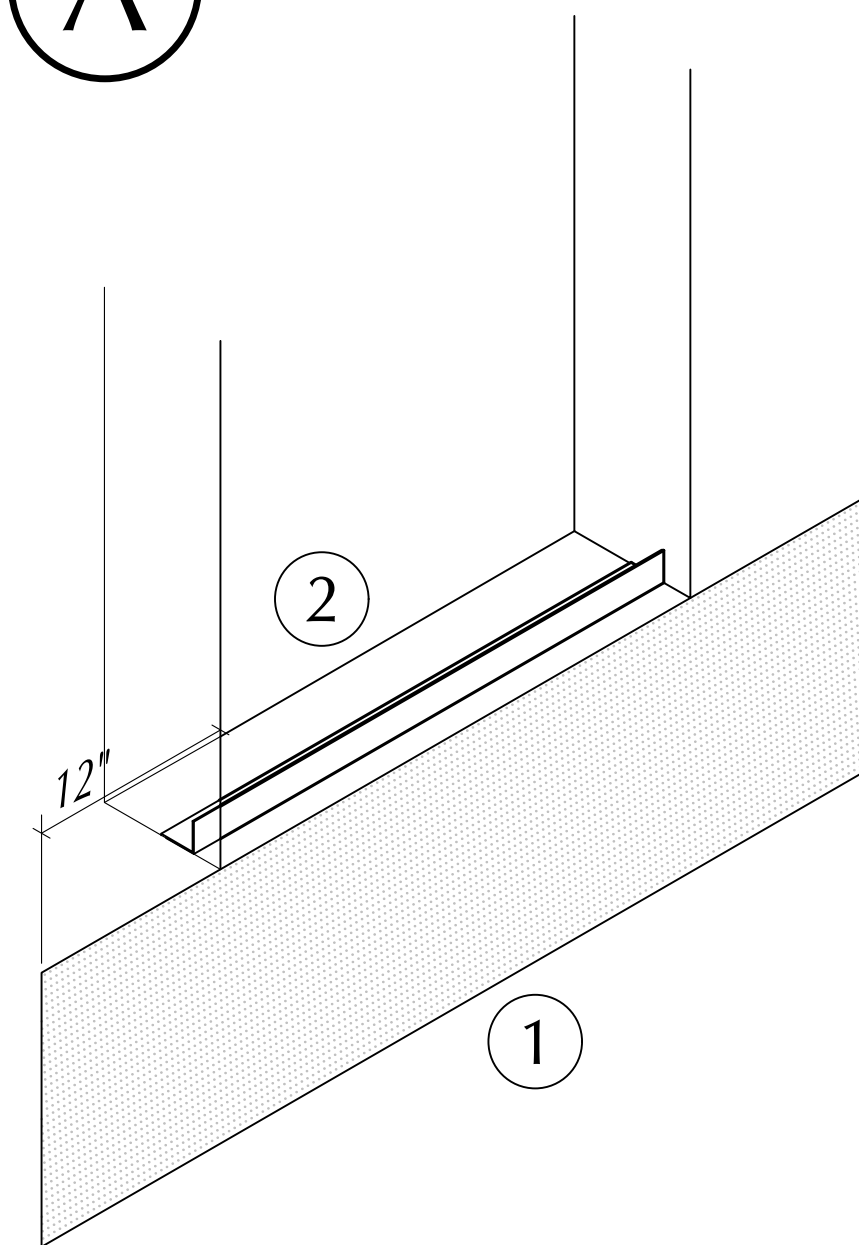
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2023

ELEVATIONS & SECTIONS

A2.1

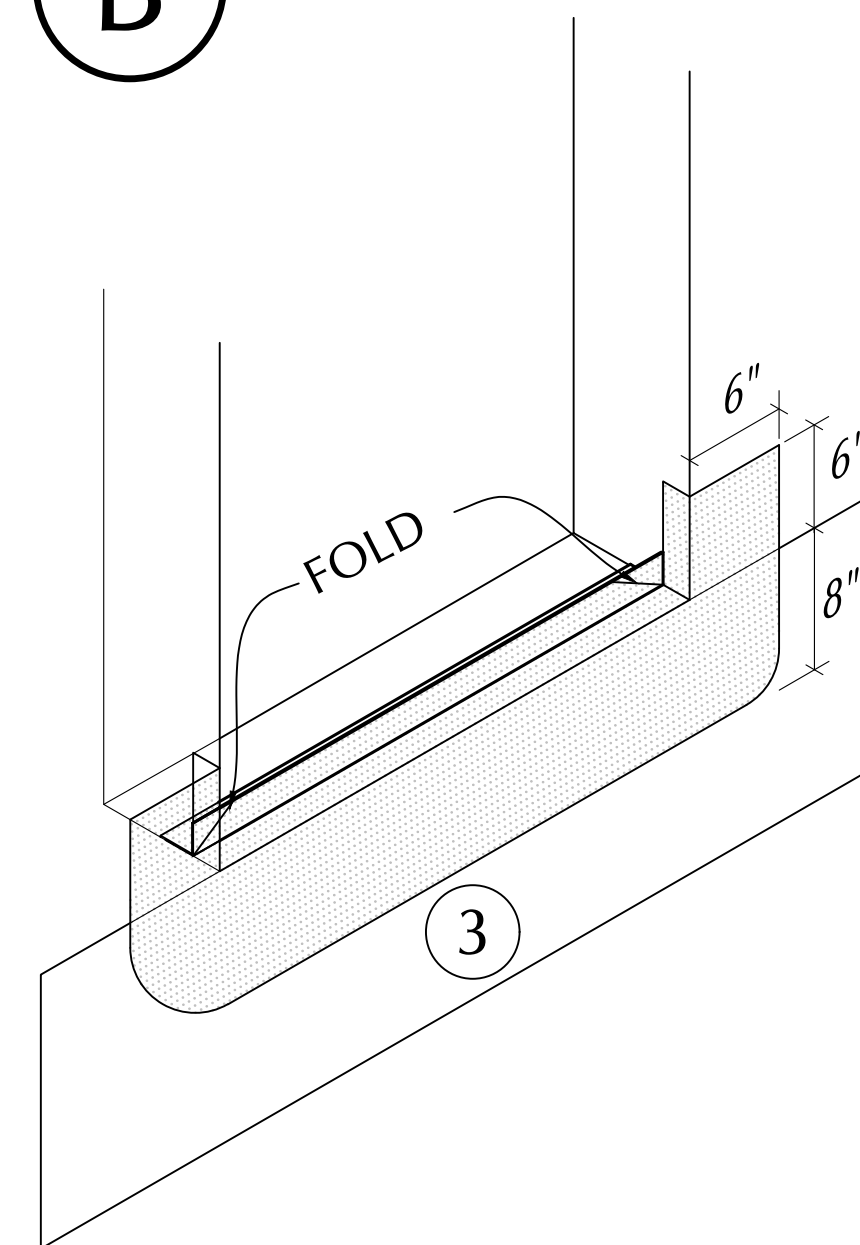


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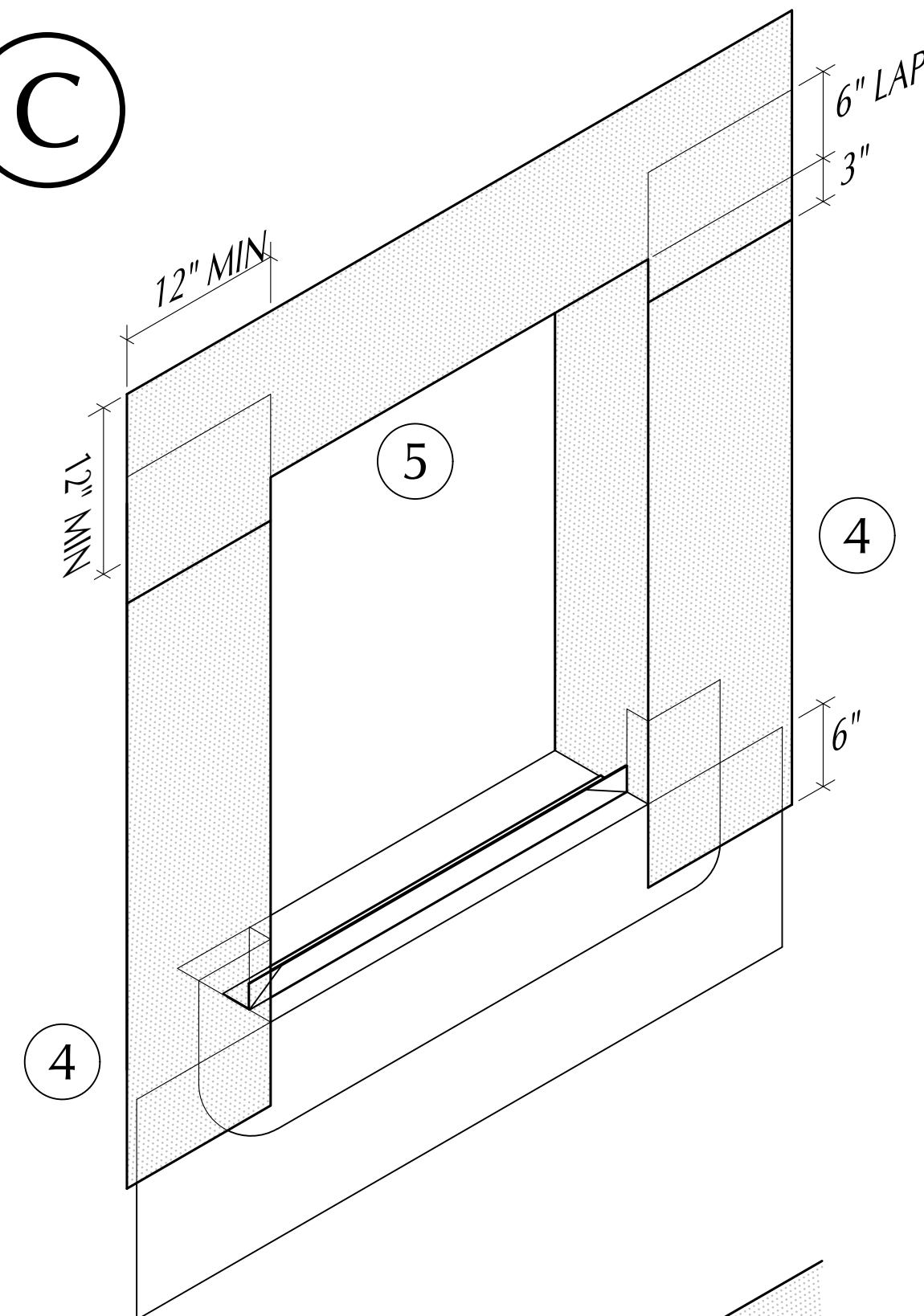
- 1) INSTALL 18-INCH WIDE BUILDING WRAP ACROSS SILL, LEAVE LOOSE AT BOTTOM EDGE (FASTEN BOTTOM CORNERS ONLY IF WINDY)
- 2) INSTALL SHEET METAL ANGLE ON SILL FRAMING. SET $\frac{1}{4}$ " INSIDE DEPTH OF WINDOW

B



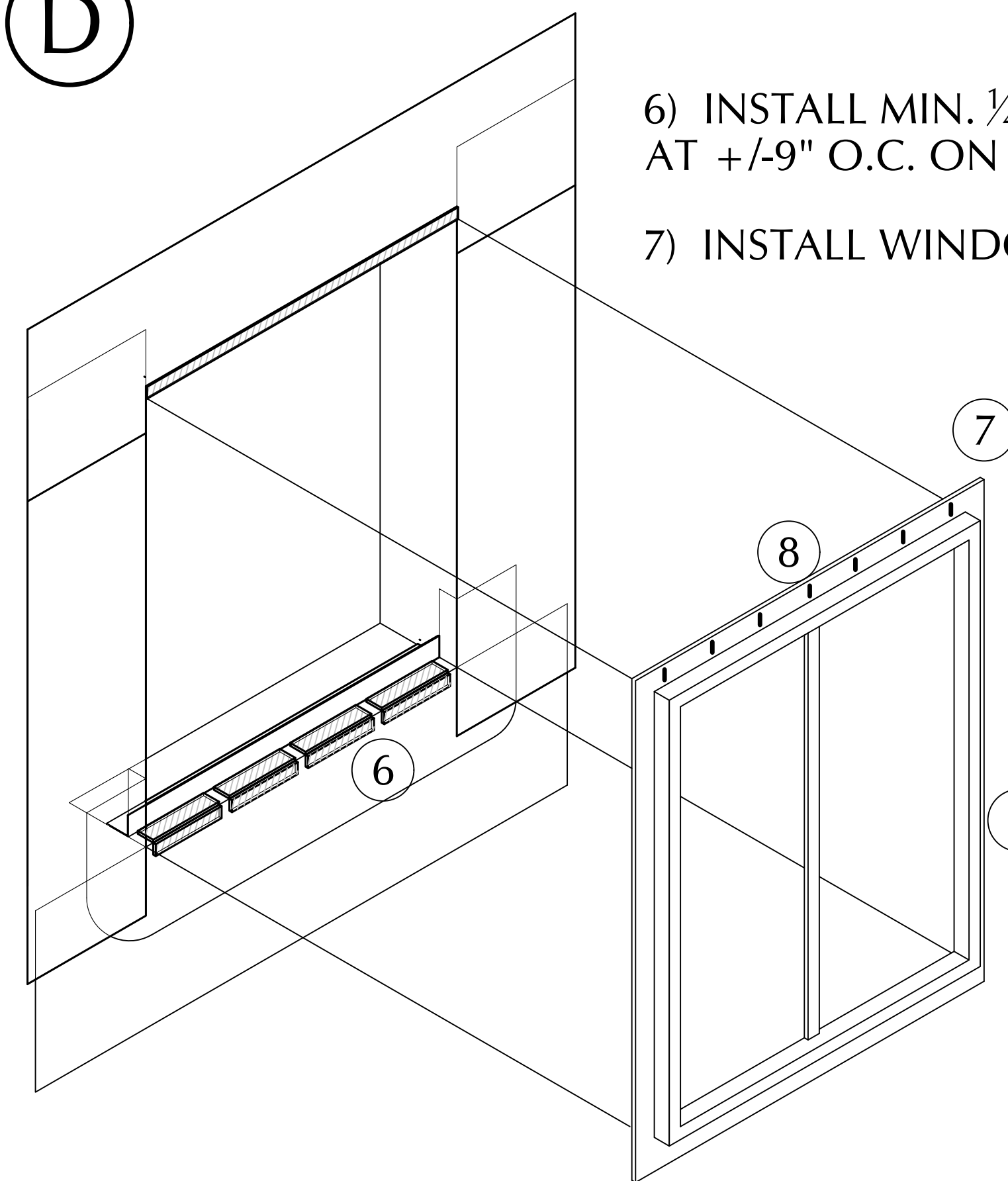
- 3) APPLY FLEXIBLE MEMBRANE FLASHING ON SILL AND EXTEND MEMBRANE UP SHEET METAL ANGLE. FOLD MEMBRANE AT CORNERS BETWEEN METAL ANGLE AND JAMB FRAMING. EXTEND MEMBRANE UP JAMB FRAMING, ONTO WALL SHEATHING AND DOWN OVER SILL BUILDING WRAP. FASTEN CORNERS PER MANUFACTURERS INSTRUCTIONS.

C



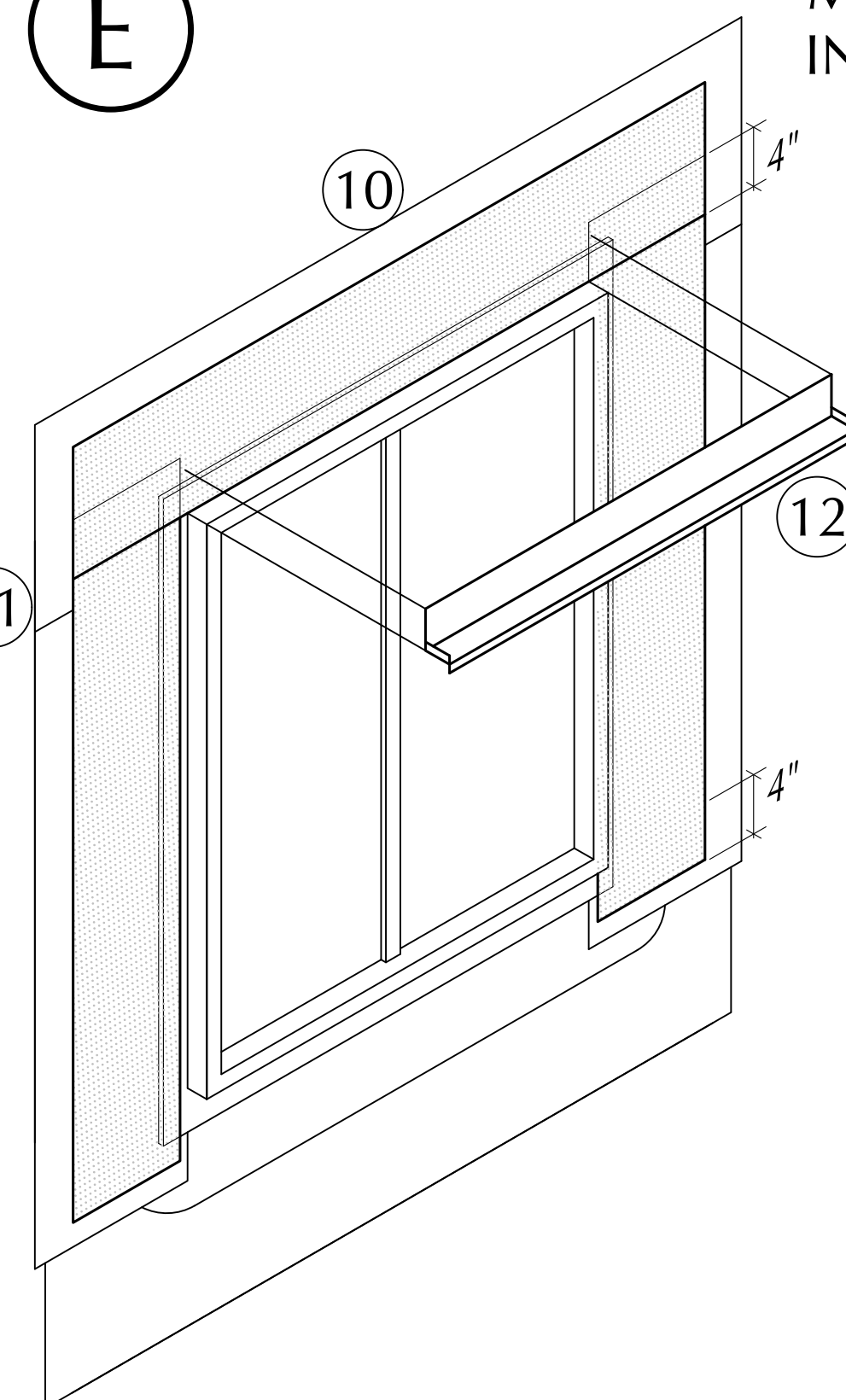
- 4) INSTALL 18-INCH WIDE BUILDING WRAP EACH JAMB, FLUSH TO INSIDE FACE OF STUD
- 5) INSTALL 18-INCH WIDE BUILDING WRAP ACROSS HEADER, OVER JAMBS, AND ACROSS BOTTOM OF HEADER

D



- 6) INSTALL MIN. $\frac{1}{4}$ " H. PLASTIC SHIMS AT +/-9" O.C. ON SILL FRAMING.
- 7) INSTALL WINDOW.

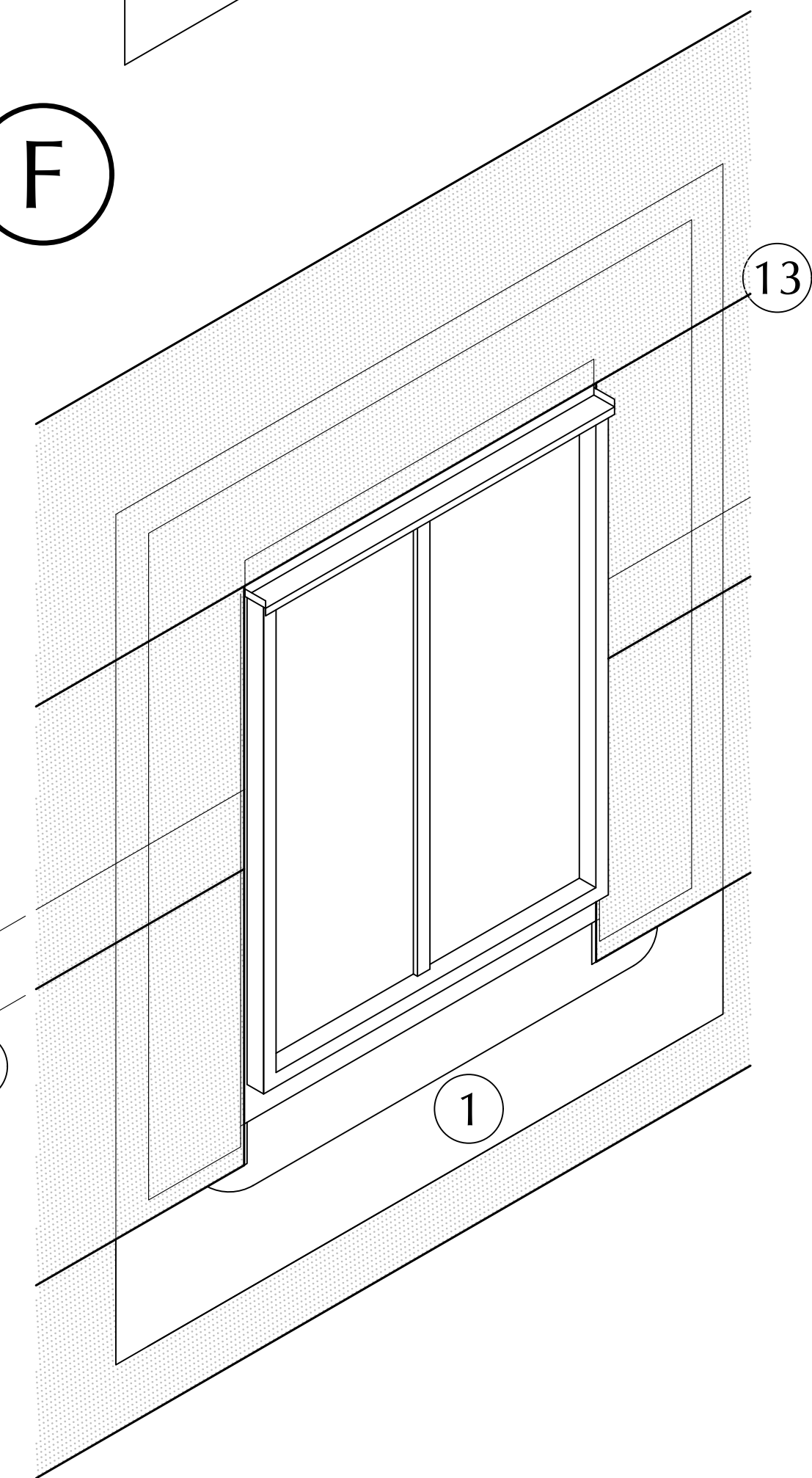
E



- 10) INSTALL 9-INCH WIDE MEMBRANE FLASHING LAPPED OVER WINDOW JAMB NAIL FLANGES.
- 11) INSTALL 9-INCH WIDE MEMBRANE FLASHING LAPPED OVER WINDOW HEAD NAIL FLANGE AND OVER JAMB MEMBRANE FLASHING STRIPS.

- 12) INSTALL S.S. SHEET METAL HEAD FLASHING WITH MIN. $\frac{1}{2}$ " H. END DAMS OVER MEMBRANE FLASHING.

F



- 13) INSTALL 2 LAYERS 60 MIN. BUILDING PAPER OVER CLEAN, DRY SURFACES. START AT BOTTOM OF WALL, AND EXTEND BUILDING WRAP UNDER STRIP INSTALLED IN STEP #1.

- 14) SHINGLE LAP BUILDING PAPER HORIZONTALLY 6 TO 12 INCHES.

- 15) INSTALL EXTERIOR FINISH SIDING

NOTE:
SIMILAR OPENING WRAP SEQUENCE APPLIES TO OTHER OPENINGS IN EXTERIOR WALLS. REFER TO DETAILS.

LOUVER ASSEMBLY INSTALLATION SIMILAR
WINDOW INSTALLATION SEQUENCE DIAGRAM

1
A4.1

NOT TO SCALE



Tolovana Architect LLC

P.O. Box 648
Tolovana Park, Oregon 97145



PERMIT SET

BUILDING PLANS FOR:
EMERGENCY GENERATOR &
WATER STOR. TANK ADDITION TO
SIUSLAW PUMP STATION
W. SIUSLAW ST. AND S. PACIFIC AVE.
CANNON BEACH, OREGON 97110

| MARK | DATE | DESCRIPTION |
|------|---------|-------------|
| A | 5-23-23 | SPEC. REV. |
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DATE: 03-28-2023
JOB:
FILE:
DRAWN: XX
CHECKED:

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2023

WINDOW
INSTALLATION
SEQUENCE
DIAGRAM

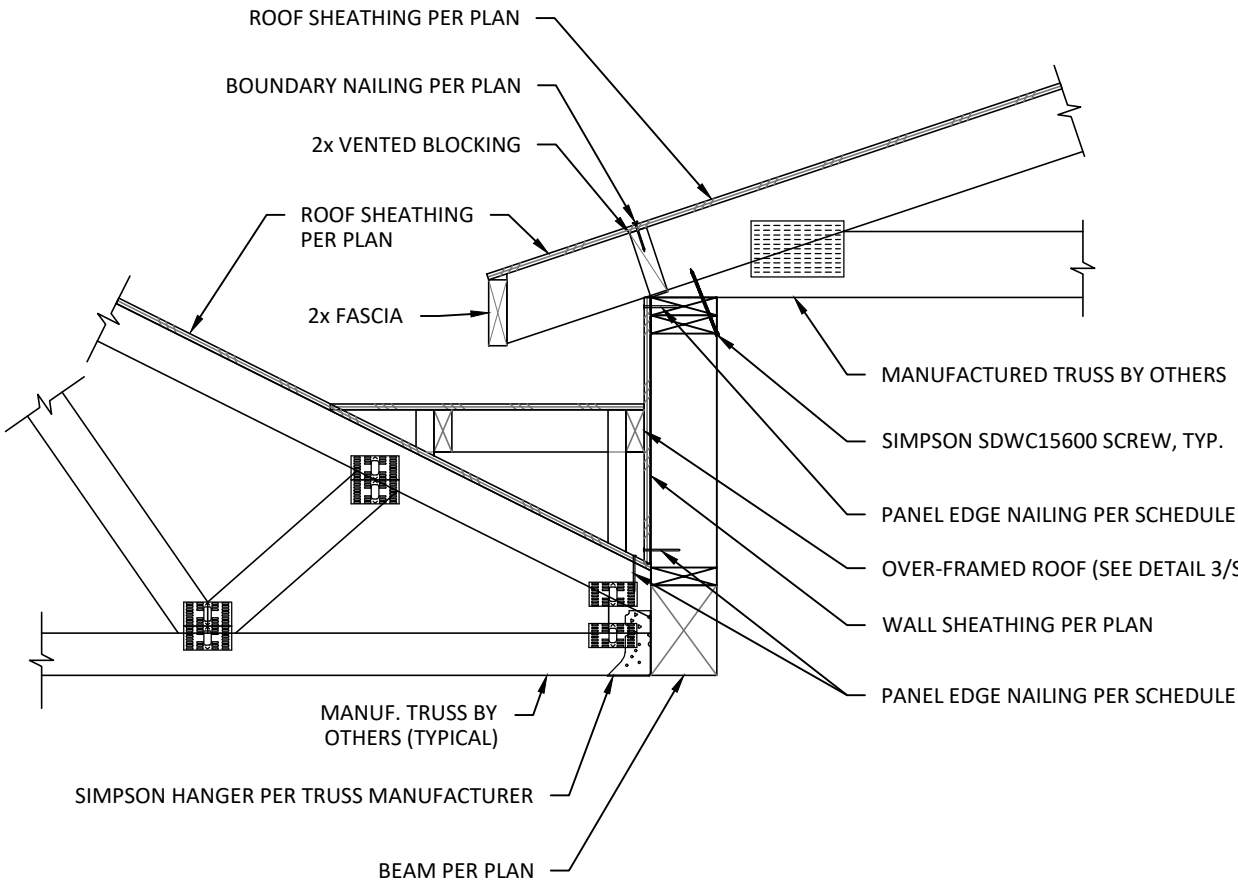
3-28-2023 PERMIT SET

A4.1

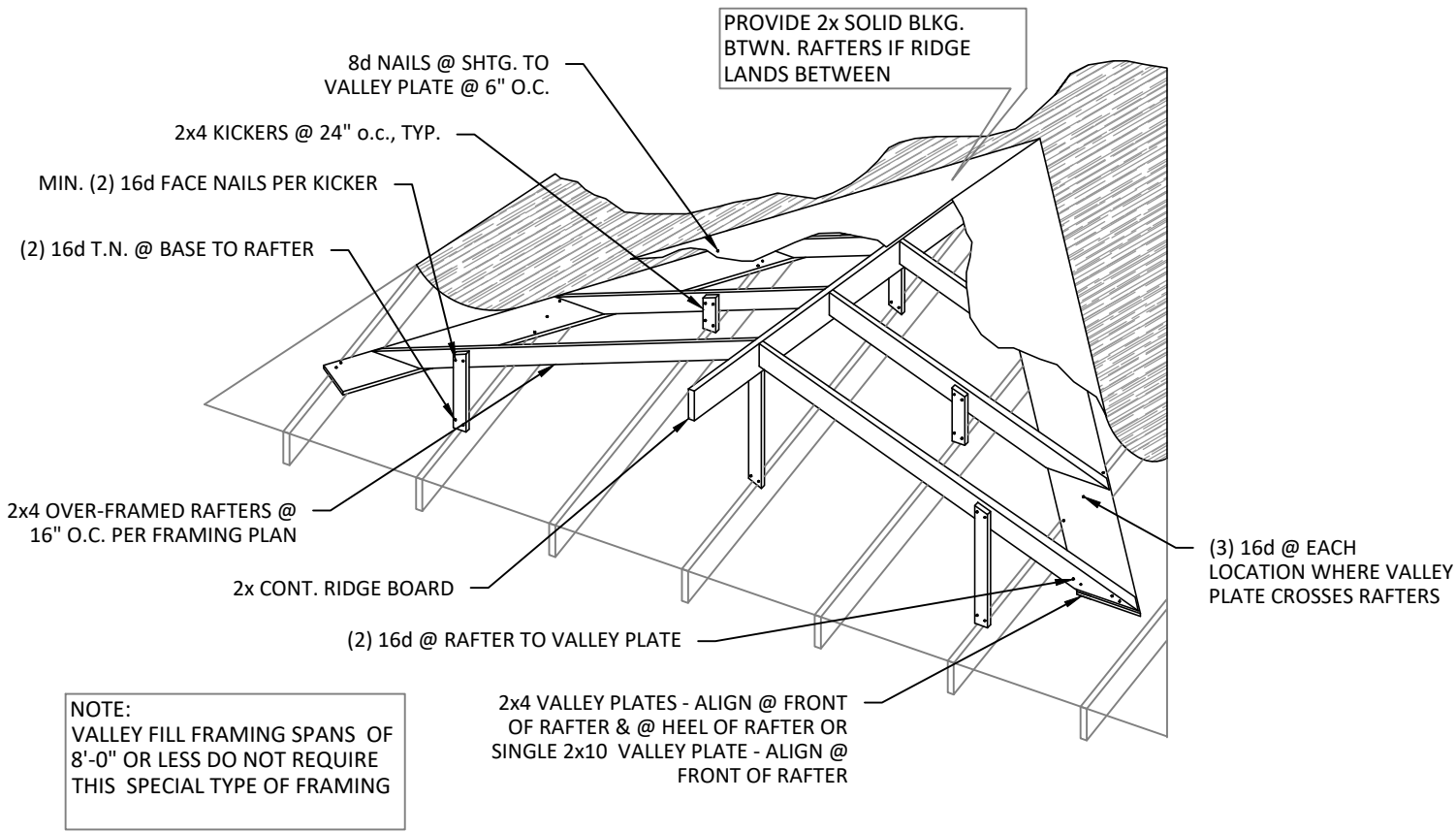
| SHEARWALL SCHEDULE (Not All Symbols Used on Plans) | | | | | | | | | | |
|--|---------------------------|-------------|-----------|-------------------|--------------------|---------------------------|------------------------------------|----------------------|--|-----------------------------|
| XX | SHEATHING | SHEAR (PLF) | NAIL SIZE | EDGE NAILS (O.C.) | FIELD NAILS (O.C.) | BOT. PLATE NAILING (O.C.) | TOP PLATE A35 (O.C.) ^{1b} | 5/8"x10" A.B. (O.C.) | MAX. 5/8" TITEN HD ANCHOR SPACING W/ 4" EMBED ^{14a} | REMARKS |
| S6 | 7/16" APA RATED, ONE SIDE | 260 | 8d | 6" | 12" | 16d @ 6" | 1'-9" | 4'-0" | 4'-0" | |
| S4 | 7/16" APA RATED, ONE SIDE | 380 | 8d | 4" | 12" | 16d @ 4" | 1'-0" | 3'-6" | 2'-9" | (2) 2x OR 3x ^{11m} |
| S3 | 7/16" APA RATED, ONE SIDE | 490 | 8d | 3" | 12" | 16d @ 3" | 0'-11" | 2'-9" | 2'-2" | (2) 2x OR 3x ^{11m} |
| S2 | 7/16" APA RATED, ONE SIDE | 640 | 8d | 2" | 12" | 16d @ 2" | 0'-8" | 2'-0" | 1'-8" | (2) 2x OR 3x ^{11m} |

1. ALL PLYWOOD TO BE APA RATED STRUCTURAL 1 EXTERIOR SHEATHING
2. ALL NAILS TO BE COMMON OR GALVANIZED BOX TYPE.
3. FLOOR AND ROOF DIAPHRAGMS TO BE NAILED WITH 16d NAILS @ 6" O.C. EDGE NAILING AND 12" ON CENTER FIELD NAILING. USE PLYWOOD THICKNESS AS INDICATED ON PLAN.
4. ATTACH RIM JOIST AND / OR BLOCKING TO SHEARWALL AS INDICATED IN TABLE ABOVE.
5. ALL WALL SHEATHING TO EXTEND FULL HEIGHT OF WALL, TOP PLATE TO BOTTOM PLATE.
6. ALL SHEARWALLS AND HOLDINGS MUST HAVE CONTINUOUS LOAD PATH TO FOUNDATION.
7. USE 3" x 3" x 1/4" PLATE WASHER TYPICAL AT ALL ANCHOR BOLTS.
8. WHERE TOP PLATE FASTENING IS LESS THAN 12" O.C., USE MINIMUM BLOCKING OF 2-1/2" MANUFACTURED LUMBER (MICROLLAM LVL, OR PARALLAM PSI).
9. GYPSUM SHEATHING TO BE ATTACHED WITH SCREWS (TYPE AS NOTED IN SCHEDULE). SCREWS FOR ATTACHMENT OF GYPSUM SHEATHING MUST BE TYPE W OR S.
10. ALL SHEAR WALLS TO BE FULLY BLOCKED U.N.O. BLOCKING TO MATCH REQUIREMENTS FOR PANEL EDGE STUDS.
11. FOR SHEARWALLS W/ (2) ROWS OF BOTTOM PLATE NAILING, USE MIN. 1-3/4" RIM BOARD, SPACE ROWS A MIN. OF 1/2" APART, AND STAGGER NAILS.
12. FOR SHEARWALLS W/ STUDS SPACED AT 16" O.C. MAX. INSTALL SHEATHING WITH LONG DIMENSION ACROSS STUDS.
13. THE WIDTH OF THE NAILED FACE OF A COMMON FRAMING MEMBER OR BLOCKING AT ADJOINING PANEL EDGES SHALL BE 3-INCH NOMINAL OR GREATER.
14. SPECIAL INSPECTION REQUIRED FOR SIMPSON TITEN ANCHOR INSTALLATION.
15. ONLY REQUIRED WHEN SHOWN ON APPLICABLE DETAIL.

1
S1.1
SHEARWALL SCHEDULE



2
S1.1
TRUSS BEARING DETAIL (SIUSLAW ONLY)
3/4"= 1'-0"

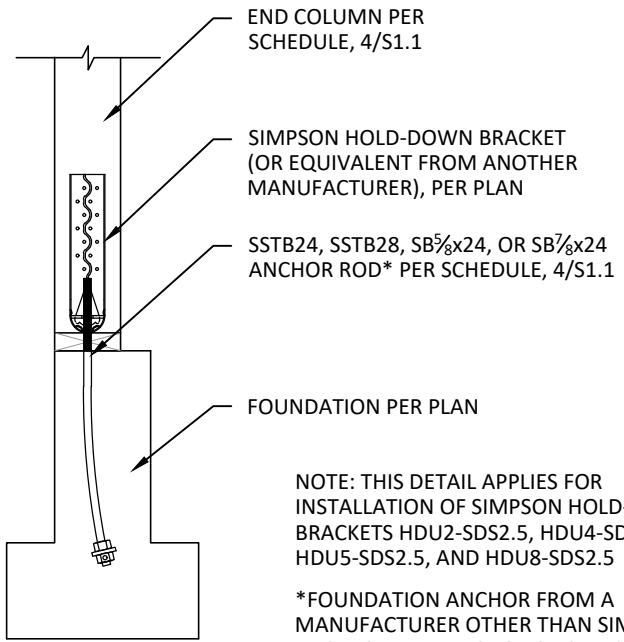


3
S1.1
TYPICAL DETAIL AT OVER-FRAMING
3/4"= 1'-0"

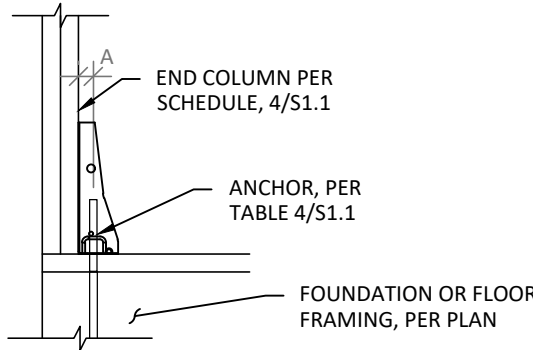
| HOLD-DOWN ANCHOR AND BRACKET SCHEDULE | | | | | | | |
|---------------------------------------|-------------------------------|--|--------------------|------------------------|------------------------|-------------------|--|
| PLAN MARK | SIMPSON HOLD-DOWN BRACKET (a) | FOUNDATION ANCHOR (b,d) | SDS SCREWS (e) | END COLUMN IN 2x4 WALL | END COLUMN IN 2x6 WALL | CAPACITY (POUNDS) | DIST. FROM EDGE OF END COL. TO C OF ANCHOR |
| HD-HDU2 | HDU2-SDS2.5 | SSTB24 OR SB ⁵ / ₈ x24 | (6) 5/8" x 2 1/2" | (2) 2x4 | (2) 2x6 | 3075 | 1 3/16" |
| HD-HDU4 | HDU4-SDS2.5 | SB ⁵ / ₈ x24 | (10) 5/8" x 2 1/2" | (2) 2x4 | (2) 2x6 | 4565 | 1 3/16" |
| HD-HDU5 | HDU5-SDS2.5 | SB ⁵ / ₈ x 24 | (14) 5/8" x 2 1/2" | (3) 2x4 | (2) 2x6 | 5645 | 1 3/16" |

- a. EQUIVALENT HOLD-DOWN BRACKET FROM ANOTHER MANUFACTURER MAY BE SUBSTITUTED
b. EQUIVALENT FOUNDATION ANCHOR FROM ANOTHER MANUFACTURER MAY BE SUBSTITUTED
c. IF INSTALLING A HOLD-DOWN BRACKET FROM ANOTHER MANUFACTURER, INSTALL FASTENERS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS
d. LOCATE CRAWL SPACE VENTS A MINIMUM OF 24" AWAY FROM HOLD-DOWN ANCHORS
e. SEE DISTANCE "A", DETAIL S1.1

4
S1.1
HOLD-DOWN BRACKET AND ANCHOR SCHEDULE



NOTE: THIS DETAIL APPLIES FOR INSTALLATION OF SIMPSON HOLD-DOWN BRACKETS HDU2-SDS2.5, HDU4-SDS2.5, HDU5-SDS2.5, AND HDU8-SDS2.5
*FOUNDATION ANCHOR FROM A MANUFACTURER OTHER THAN SIMPSON MAY BE SUBSTITUTED AS LONG AS ANCHOR HAS EQUIVALENT OR GREATER CAPACITY

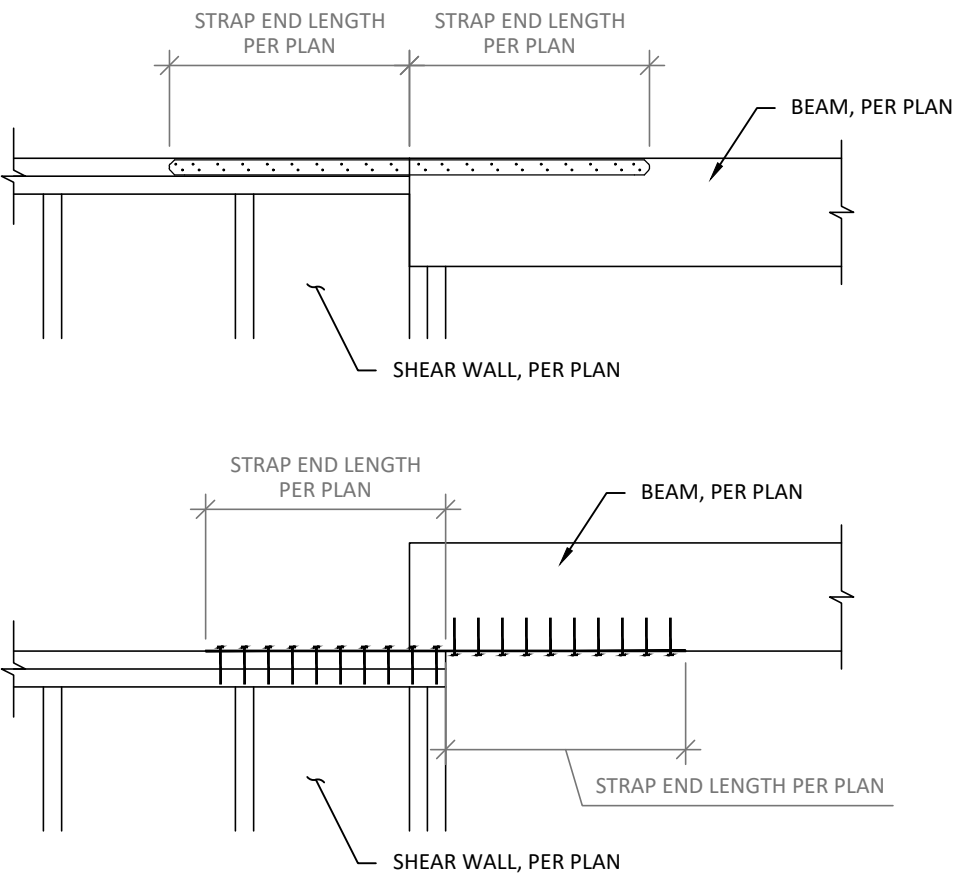


6
S1.1
ANCHOR DISTANCE FROM END COLUMN
3/4"= 1'-0"

| DRAG STRUT STRAP SCHEDULE | | | |
|---------------------------|---------------------|---------------------|--|
| LABEL | SIMPSON STRAP (b,c) | END LENGTH REQUIRED | SIZE AND NO. OF NAILS (a) IN EACH END LENGTH |
| DS-CS20 | CS20 | 0'-9" | (7) 8d OR (6) 10d |
| DS-CS16 | CS16 | 1'-1" | (11) 8d OR (10) 10d |
| DS-CS14 | CS14 | 1'-4" | (15) 8d OR (13) 10d |
| DS-MSTC52 | MSTC52 | 1'-6" | (24) 0.148" x 3 1/2" |
| DS-MST72 | MST72 | 2'-3" | (31) 0.162" x 2 1/2" |
| DS-CMST12 | CMST12 | 3'-3" | (43) 10d OR (37) 16d |

- a. NAILS: 16d=0.162"x3 1/2"; 16d SINKER=0.148"x3 3/4"; 10d=0.148"x3"; 8d=0.131"x2 1/2"
b. EQUIVALENT STRAP BY ANOTHER MANUFACTURER MAY BE USED
c. CS STRAPS (I.E. CS22 THROUGH CS14) MAY BE SUBSTITUTED WITH SIMPSON DSC2R/L-SDS3 WHEN APPLICABLE. CMST/C STRAPS (I.E. CMSTC16, CMST14, AND CMST12 MAY BE SUBSTITUTED WITH SIMPSON DSC5R/L-SDS3 WHEN APPLICABLE.

7
S1.1
DRAG STRUT STRAPPING SCHEDULE



8
S1.1
DRAG STRUT CONNECTION
3/4"= 1'-0"

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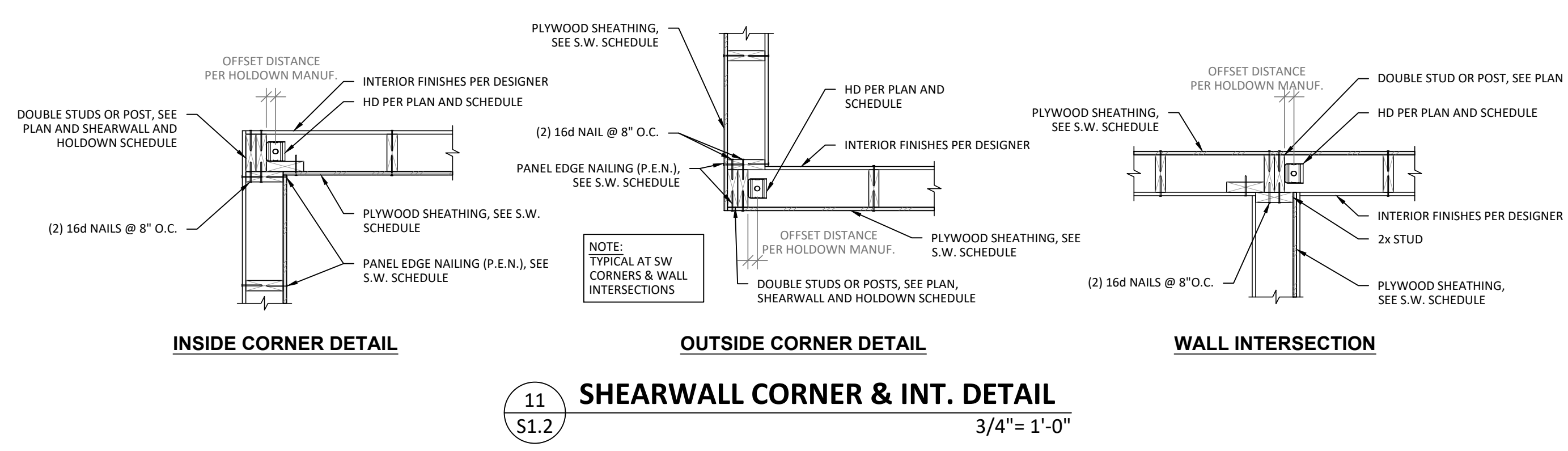
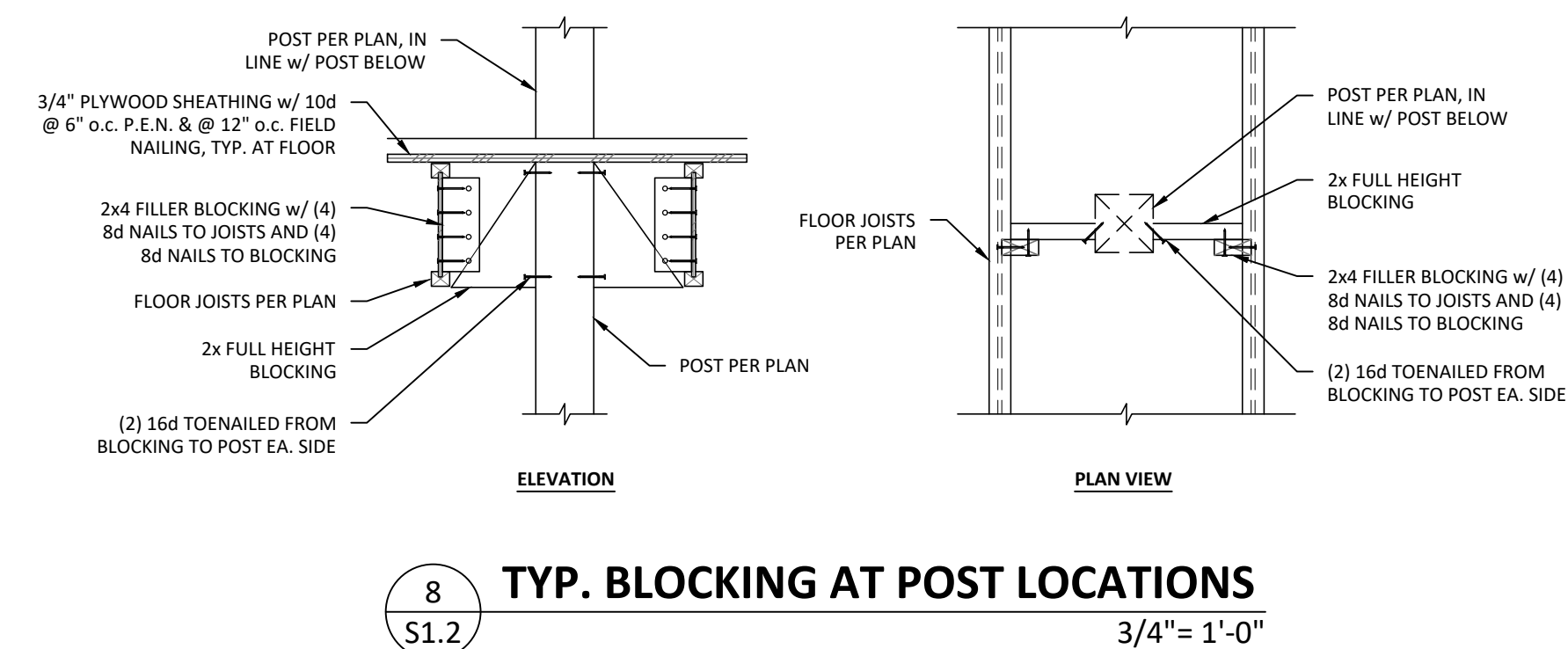
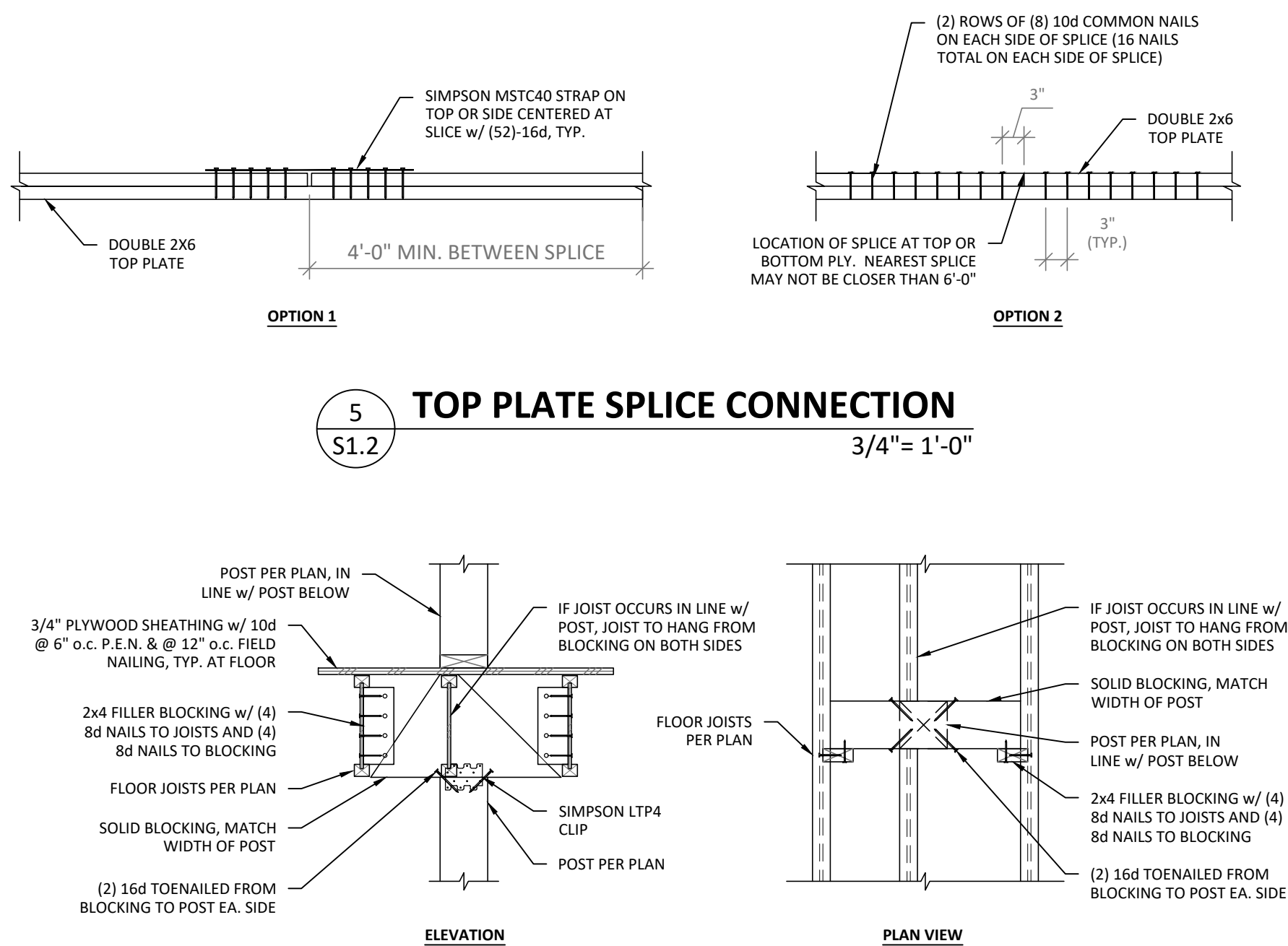
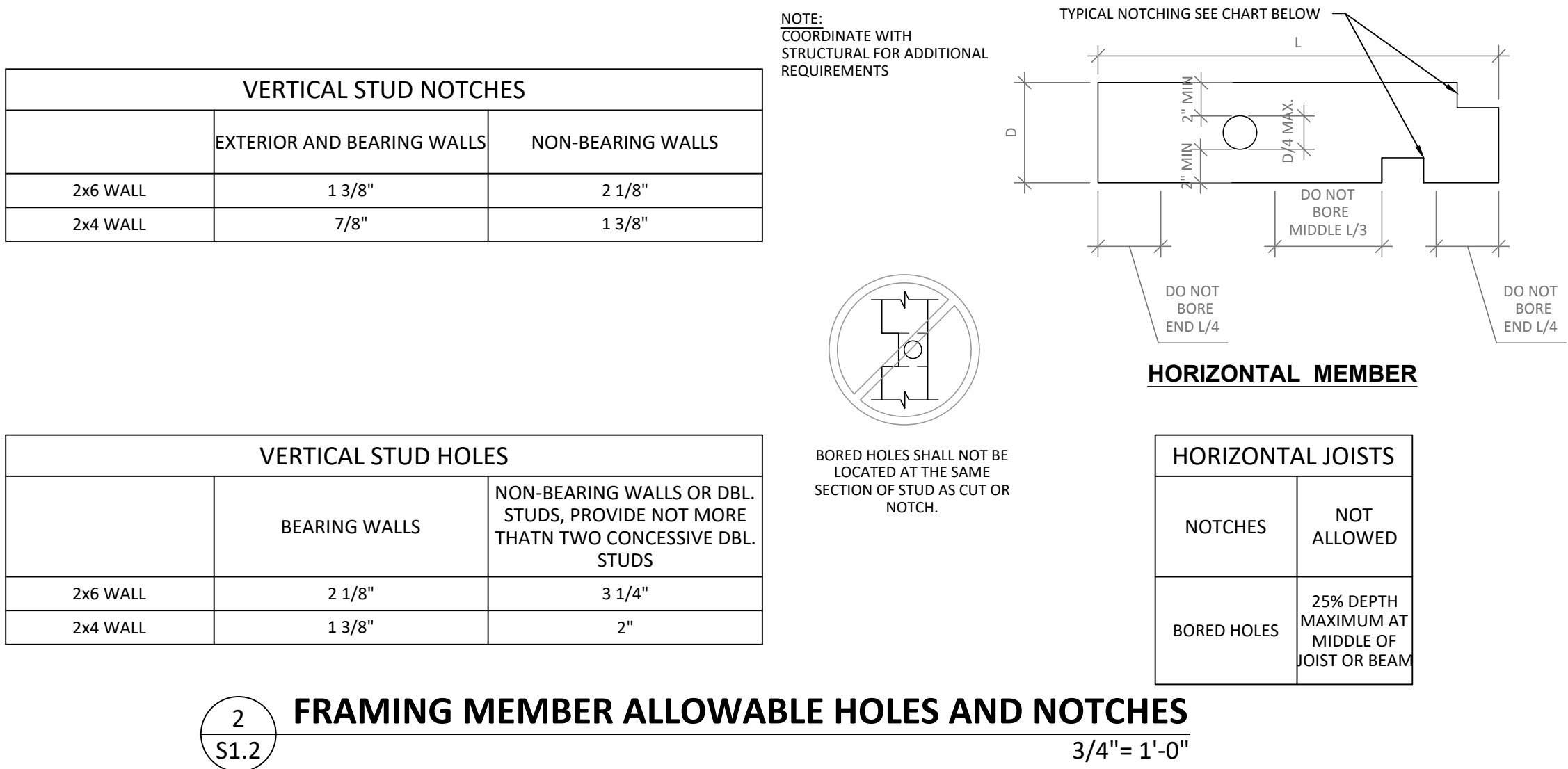
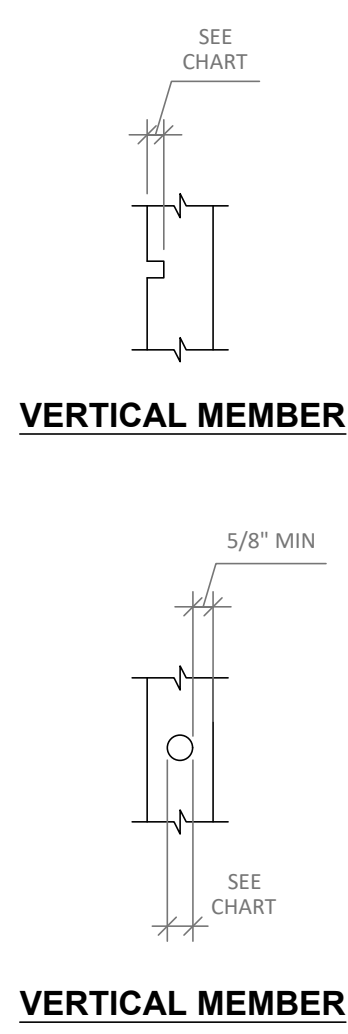
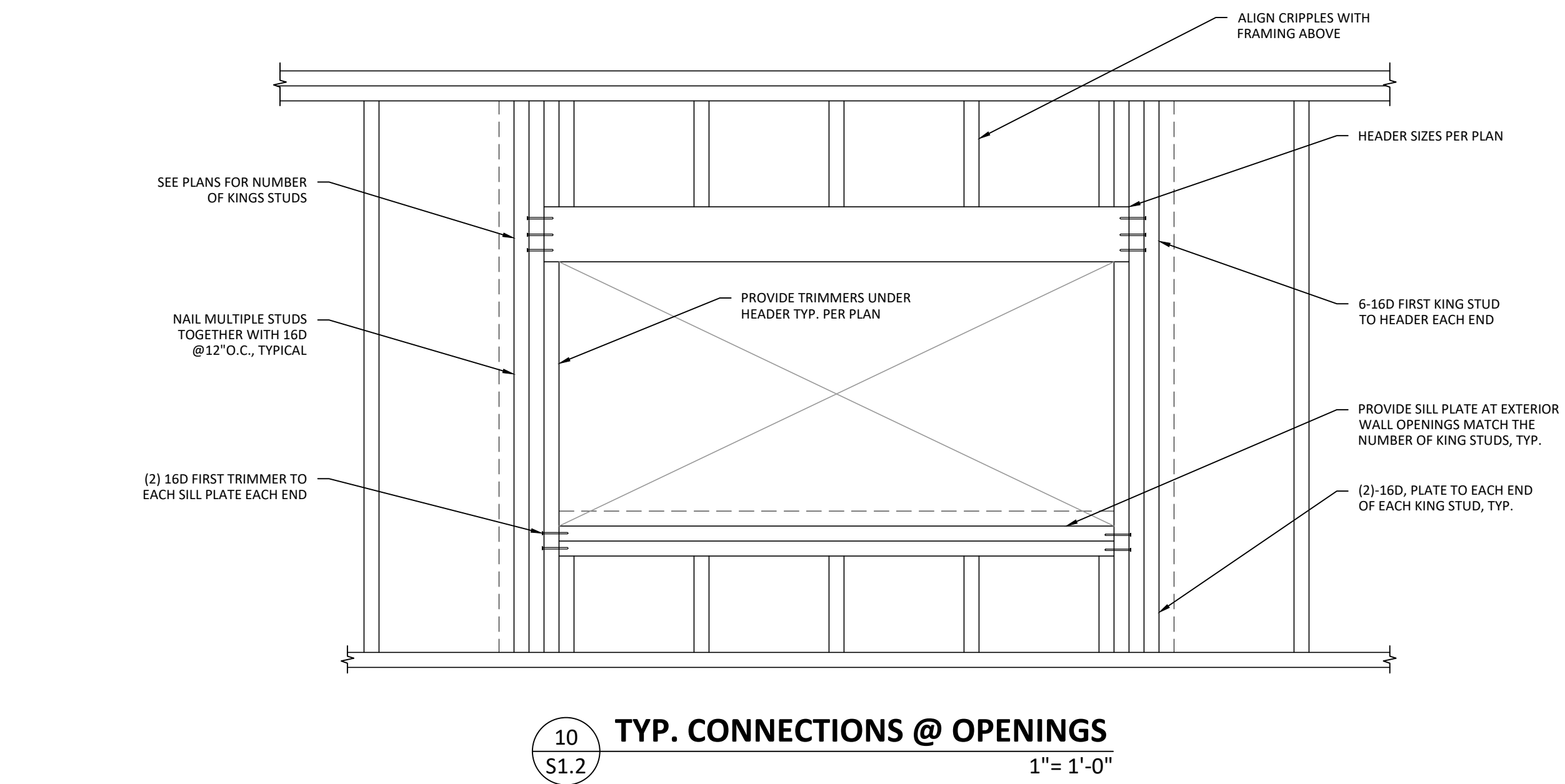
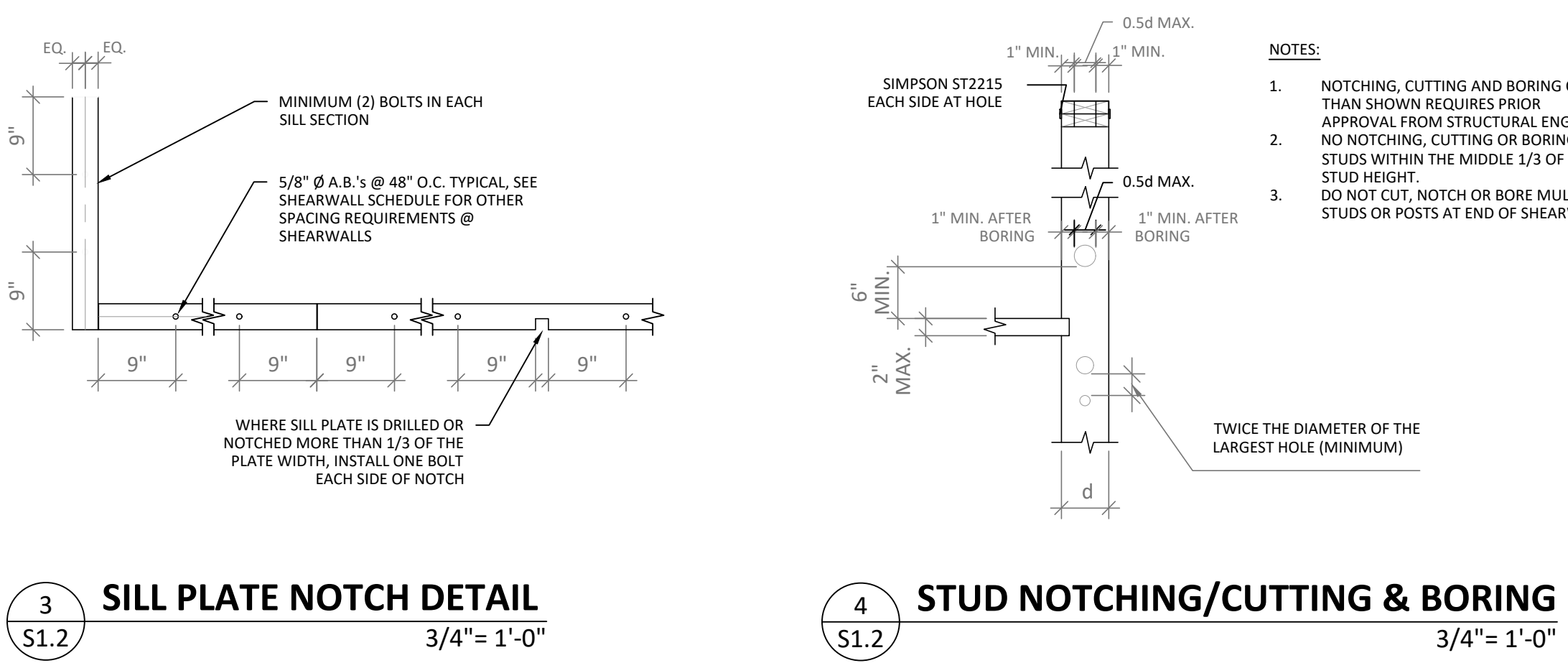
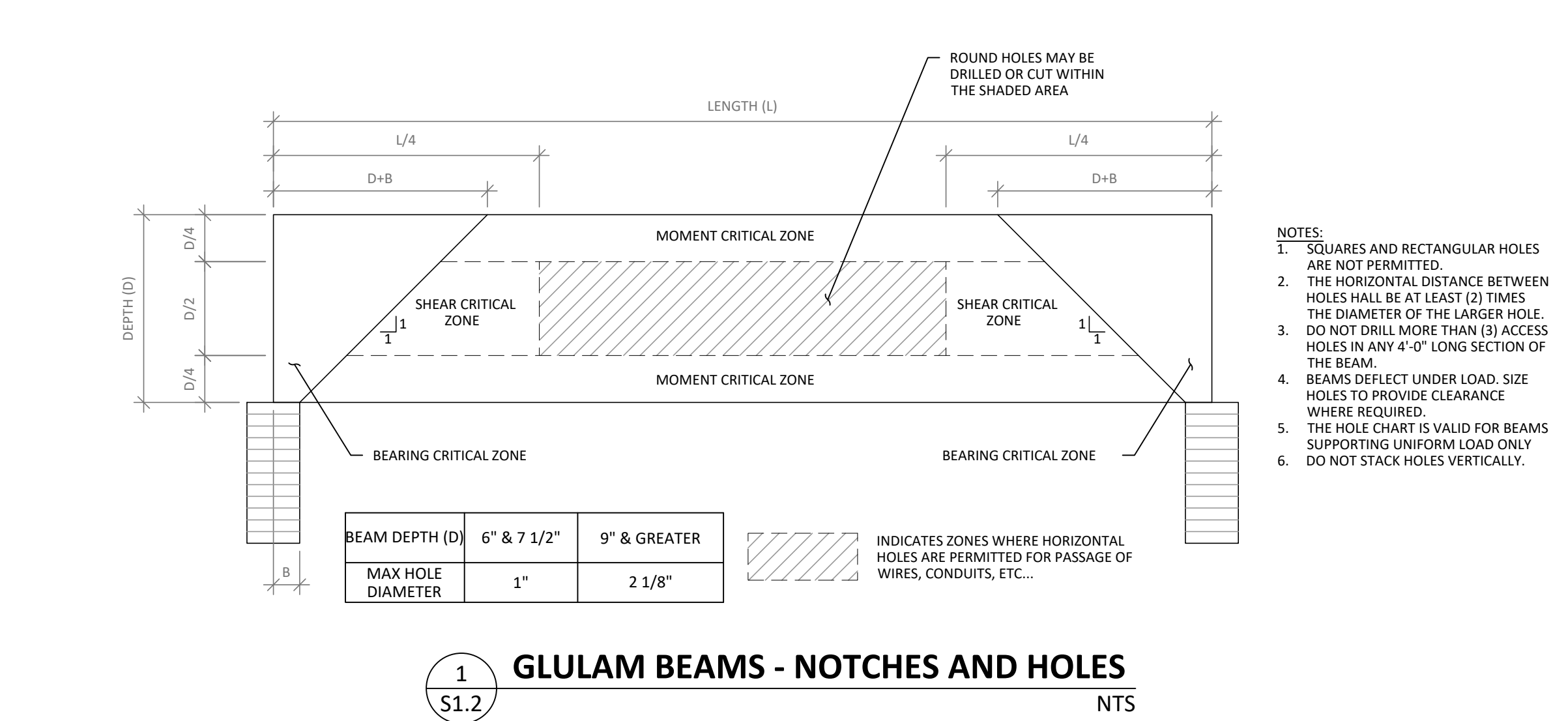
14718 NW DELIA ST. * PORTLAND, OREGON 97229
OFFICE: 971.233.6099 * MOBILE: 971.233.6099 *
* DENNIS@VISTASTRUCTURAL.COM * VISTASTRUCTURAL.COM

CLIENT: TOLOVANA ARCHITECTS
JOB TITLE: EMERGENCY GENERATOR ADDITION TO MIDWAY AND SIUSLAW PUMP STATIONS. W. MIDWAY & S. PACIFIC AVE.
JURISDICTION: CANNON BEACH, OR

REGISTERED PROFESSIONAL
ENGINEER
85273
Dennis Michael Heier
OREGON
JAN. 31, 2011
02-22-2023
EXPIRES: 6/30/2023

| NO. | DATE | REVISION | BY |
|-----------------|------------|-------------|-----|
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| | | | |
| DRAWING TITLE | | | |
| FRAMING DETAILS | | | |
| ENGINEER: | JRC | CHECKED BY: | DMH |
| DATE: | 02-22-2023 | DRAWN BY: | JRC |
| SHEET NUMBER | | | |

S1.1



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DENNIS MICHAEL HEIER
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EXPIRES: 6/30/2023

NO. DATE REVISION BY

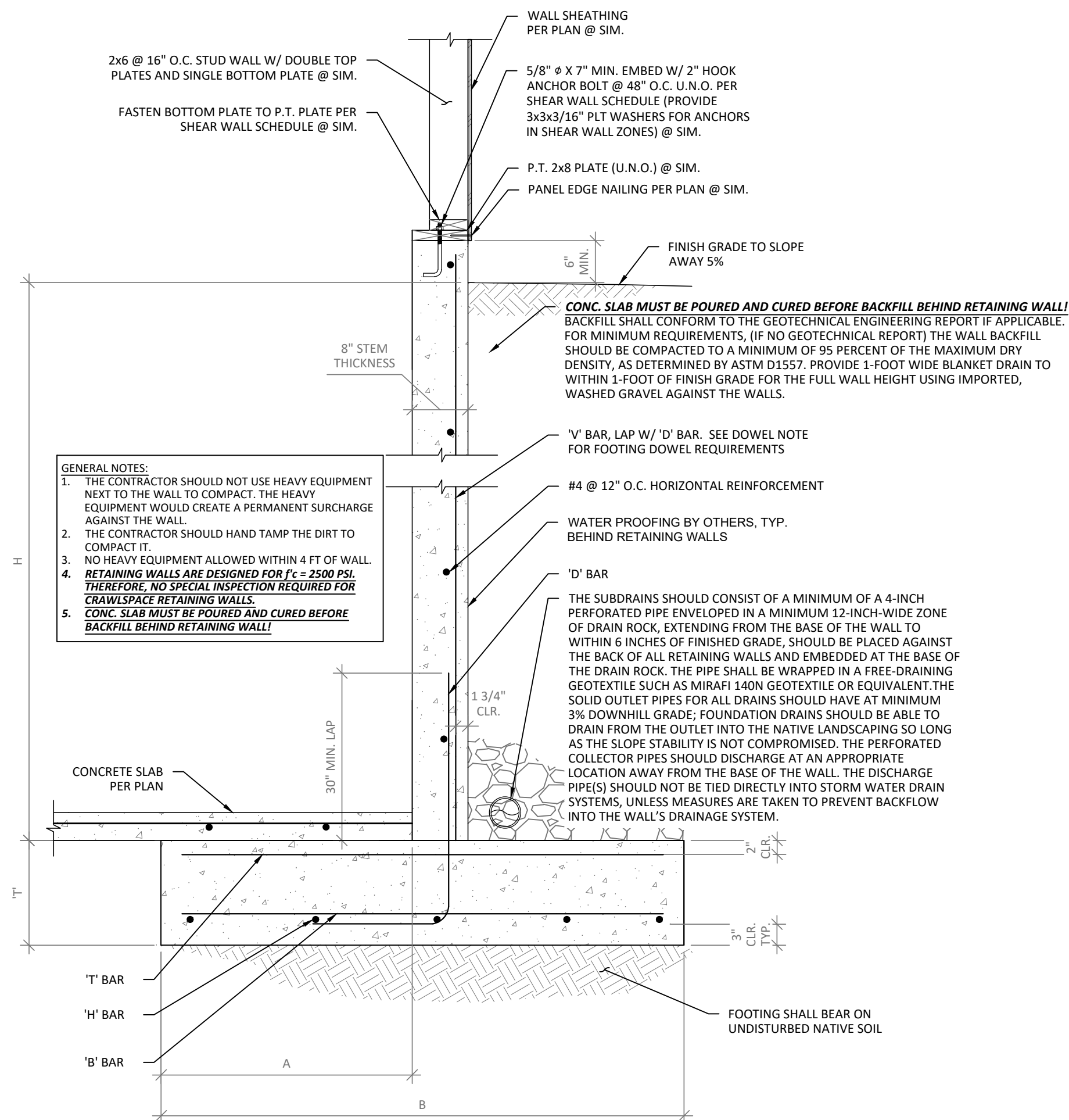
DRAWING TITLE

MISC DETAILS

ENGINEER: JRC CHECKED BY: DMH
DATE: 02-22-2023 DRAWN BY: JRC

SHEET NUMBER

S1.2



| CONCRETE RETAINING WALL SCHEDULE | | | | | | | | | |
|----------------------------------|--------|--------|-----|------------------|------------------|------------------|------------------|--------------------|---------|
| HEIGHT, H | A | B | T | D _{BAR} | V _{BAR} | B _{BAR} | T _{BAR} | * H _{BAR} | REMARKS |
| ≤ 4'-0" | 6" | 1'-10" | 12" | #5@16"o.c. | #5@16"o.c. | N/A | N/A | (3)#4 | |
| ≤ 6'-0" | 1'-11" | 3'-3" | 12" | #5@14"o.c. | #5@14"o.c. | #4@9"o.c. | N/A | (5)#4 | |
| ≤ 8'-0" | 3'-3" | 4'-7" | 12" | #5@8"o.c. | #5@8"o.c. | #4@9"o.c. | N/A | (6)#4 | |

* H_{BAR} - PLACE (1) BAR AT EACH END OF FOOTING (MINIMUM 3" COVER FROM CONCRETE EDGE). ALL OTHER REBAR SHALL BE EVENLY SPACED THROUGHOUT FOOTING, TYP.

** V_{BAR} AND D_{BAR} MAY BE COMBINED TO ONE SINGLE BAR EXTEND FROM TOE OF FOOTING TO TOP OF WALL

1
S2.1

GENERATOR HOUSE CONC. RETAINING WALL (SIUSLAW ONLY)

3/4" = 1'-0"

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CLIENT: TOLOVANA ARCHITECTS

JOB TITLE: EMERGENCY GENERATOR ADDITION TO
MIDWAY AND SIUSLAW PUMP STATIONS;
W. MIDWAY & S. PACIFIC AVE.

JURISDICTION: CANNON BEACH, OR

REGISTERED PROFESSIONAL
ENGINEER
85273
OREGON
JAN. 31, 2011
DENNIS MICHAEL HEIER
02-22-2023
EXPIRES: 6/30/2023

[illegible]

LED ADJUSTABLE CUTOFF WALL PACKS

QUICK SEARCH: SC7035



FIXTURE L-2



FEATURES:

- 0-90° Adjustable cutoff wall pack locks in position
- Die-Cast aluminum housing
- Finish: Dark Bronze
- For both indoor and outdoor applications

LIGHTING:

- Color Temperature: Available in Daylight, Cool White, and Soft White
- Beam Angle: 100° x 80°
- Philips Lumileds Lixeon 3030 high flux LED
- Polycarbonate Lens

WARRANTY & LISTINGS:

- 5-year warranty
- UL Listed
- DLC
- Wet Rated
- 50,000 Hrs
- 0-10V Dimming

MECHANICAL:

- Equivalency: 100 MH - 400 MH
- Voltage: 120V-277V
- CRI: 80
- Operating temp: -4°F to 104°F
- Power Factor: 96%

SPECIFICATION:

| Product Code | Wattage | Lumens | Color Temperature | Finish | Dimensions |
|---------------|---------------|---------------|-------------------|--------|----------------------------|
| WPI-12-50K | 12W = 70 MH | 1100 Lumens | 5000K Daylight | Bronze | 5" (W) x 6" (H) x 4" (D) |
| → WPI-12-30K | 12W = 70 MH | 1100 Lumens | 3000K Soft White | Bronze | 5" (W) x 6" (H) x 4" (D) |
| WPI-30-50K | 30W = 125 MH | 3000 Lumens | 5000K Daylight | Bronze | 8" (W) x 6" (H) x 4.5" (D) |
| WPI-30-30K | 30W = 125 MH | 3000 Lumens | 3000K Soft White | Bronze | 8" (W) x 6" (H) x 4.5" (D) |
| WPI-30-50K-WH | 30W = 125 MH | 3000 Lumens | 5000K Daylight | White | 8" (W) x 6" (H) x 4.5" (D) |
| WPI-30-30K-WH | 30W = 125 MH | 3000 Lumens | 3000K Soft White | White | 11" (W) x 13" (H) x 6" (D) |
| WPI-65-50K | 65W = 200 MH | 8800 Lumens | 5000K Daylight | Bronze | 11" (W) x 13" (H) x 6" (D) |
| WPI-65-40K | 65W = 200 MH | 8800 Lumens | 4000K Cool White | Bronze | 11" (W) x 13" (H) x 6" (D) |
| WPI-80-50K | 80W = 300 MH | 10,500 Lumens | 5000K Daylight | Bronze | 11" (W) x 13" (H) x 6" (D) |
| WPI-80-40K | 80W = 300 MH | 10,500 Lumens | 4000K Cool White | Bronze | 11" (W) x 13" (H) x 6" (D) |
| WPI-120-50K | 120W = 400 MH | 15,600 Lumens | 5000K Daylight | Bronze | 11" (W) x 13" (H) x 6" (D) |
| WPI-120-40K | 120W = 400 MH | 15,600 Lumens | 4000K Cool White | Bronze | 11" (W) x 13" (H) x 6" (D) |
| WPI-120-30K | 120W = 400 MH | 15,600 Lumens | 3000K Soft White | Bronze | 11" (W) x 13" (H) x 6" (D) |

EXHIBIT F

FIXTURE L-1



Item#: **PLT-20049**
LED 48" T8 VAPOR TIGHT
LED READY FIXTURE

FEATURES

- Use 30% less energy than a traditional fluorescent fixture
- Gasketing formed to housing provides a seamless seal
- Die formed galvanized steel mounting brackets with each fixture
- Stainless steel clips
- LED ready with non-shunted sockets
- Surface or chain mounting options
- 18 AWG 3 Conductor (10A / -40°C ~ 90°C / Dia .305")

APPLICATION

Ideal for larger warehouses, commercial buildings and work areas.

ELECTRICAL

| | |
|---------------------------|----------|
| Lamps Type (not included) | T8 |
| Number of Lamps | 2 |
| Voltage | 120-277V |

ENVIRONMENT

| | |
|---------------------------|--------------|
| Operating Temperature | -20°C ~ 40°C |
| Suitable Location | WET |
| Ingress Protection Rating | IP65 |

LIFESPAN

| | |
|------------------|---|
| Warranty (Years) | 5 |
|------------------|---|

CONSTRUCTIONS

| | |
|---------------------|----------------------------------|
| Housing | Polycarbonate |
| Base / Power Supply | Hard Wired / Non-Shunted Sockets |
| Clips | Stainless Steel |
| Finish | White |

CERTIFICATIONS



Operating temperature may vary depending on lamps used.

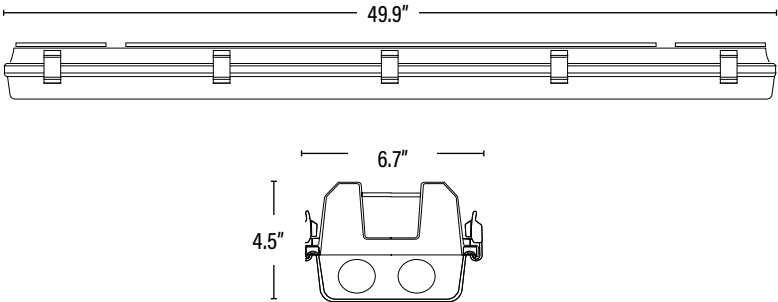
Item#: **PLT-20049**
LED 48" T8 VAPOR TIGHT

EXHIBIT F

DIMENSIONS (Inches)

| | |
|----------------|-------|
| Length | 49.9" |
| Width/Diameter | 6.7" |
| Height | 4.5" |
| Weight (Lbs) | -- |

Line drawings may not be to scale and are for general reference only.



PACKAGING

| | | UPC | DIMENSIONS (LxWxH) | GROSS WEIGHT (Lbs) |
|-------------------|--------------|----------------|--------------------|--------------------|
| Master Carton | 4 | 10811768027355 | -- | -- |
| Individual Box | 1 | 811768027358 | | |
| Country of Origin | China | | | |
| HS Tariff | 9405.10.6020 | | | |

ORDERING

| ITEM# | DESCRIPTION | CASE |
|-----------|---|------|
| PLT-20049 | LED VAPOR TIGHT 48" (2) T8/ACRYLIC LENS | 4 |

ACCESSORIES/REPLACEMENT PARTS

| | | |
|-----------|---|---|
| | | 1 |
| PLT-57732 | REPLACEMENT LENS FOR LED T8 VAPOR TIGHT | 1 |

LED T8 BALLAST COMPATIBLE NO REWIRING

SEARCH CODE: SC6845

EXHIBIT F



FIXTURE L-1
BULB OR EQ.

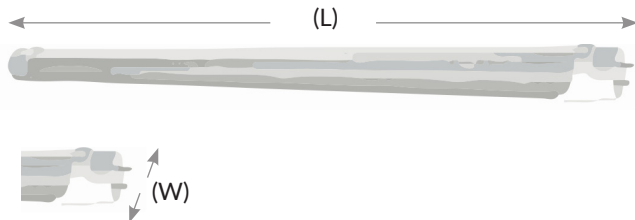


FEATURES:

- Direct replacement of T8 tubes, no electrical modification required
- Compatible with instant start electronic ballasts
*Must be T8 ballast, will not work with T12 or magnetic ballasts
- Base: Medium Bi-Pin (G13) (T12 / T8)
- 4 Foot T8
- Long life - 50,000 hours
- Over 40% energy savings vs standard 4' T8 systems

DIMENSIONS:

- (L) 48" x (W) 1"



WARRANTY & LISTINGS:

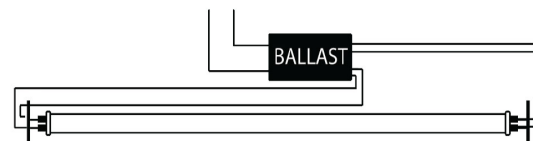
- 5-year warranty
- UL Listed
- DLC
- Rohs Compliant

ELECTRICAL:

- 120V-277VAC
- Lamp type: Linear
- Operating Frequency: 50/60 Hz
- CRI: 82
- Beam Angle: 220°
- Operating Temperature: -20C (-4F) to a maximum of +45C (+113F)
- Fluorescent Equivalent: 25W-32W

INSTALLATION:

- The LED T8 lamp is the perfect plug and play retrofit solution to quickly save energy and maintenance costs. It can be installed with an electronic T8 ballast with no rewiring required.



SPECIFICATIONS:

| Product Code | Wattage | Lumens | Color Temperature | Size | Lens | Install Type |
|-----------------------|---------|--------|-------------------|--------|---------|-------------------------------------|
| BT814W4FT-5000K | 11W | 1800LM | 5000K Daylight | 4 Foot | Frosted | No Rewiring - T8 Ballast Compatible |
| HY-T8-F120-15W-A4000K | 15W | 2100LM | 4000K Cool White | 4 Foot | Frosted | No Rewiring - T8 Ballast Compatible |
| S49975 | 14W | 2200LM | 3000K Soft White | 4 Foot | Frosted | No Rewiring - T8 Ballast Compatible |

LED T8 BALLAST BYPASS REWIRING

SEARCH CODE: SC6845

EXHIBIT F



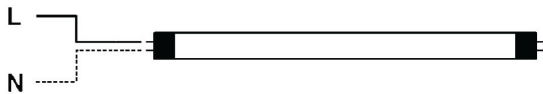
FEATURES:

- A ballast bypass allows T8 bulbs to directly connect to line voltage (120V) without the need for a ballast
- Outdated and potentially faulty ballasts can be avoided
- Compatible with 120V-277V
- 50/60 Hz
- Base: Medium Bi-Pin (G13) (T12 / T8)
- Single and Double sided option available, check diagrams below



INSTALLATION:

- Single Sided Bypass



INSTALLATION:

- Double Sided Bypass



SPECIFICATIONS:

| Product Code | Wattage | Lumens | Color Temperature | Size | Lens | Install Type |
|-------------------------|---------|--------|---------------------|--------|---------|--------------------------------------|
| LEDT8-15W-5000K-F-BYP | 15W | 2000LM | 5000K Daylight | 4 Foot | Frosted | Ballast Bypass - Single Sided Wiring |
| 34880 | 15W | 2100LM | 4000K Cool White | 4 Foot | Frosted | Ballast Bypass - Single Sided Wiring |
| T8-EZ5-GS-4FT-15W-40K-C | 18W | 1900LM | 4000K Cool White | 4 Foot | Clear | Ballast Bypass - Single Sided Wiring |
| T8-EZ6-GS-4FT-18W-50K-C | 18W | 1900LM | 5000K Daylight | 4 Foot | Clear | Ballast Bypass - Single Sided Wiring |
| S39914 | 18W | 1900LM | 3500K Neutral White | 4 Foot | Frosted | Ballast Bypass - Single Sided Wiring |
| S9720 | 15W | 1800LM | 3000K Soft White | 4 Foot | Frosted | Ballast Bypass - Single Sided Wiring |
| S39916 | 14W | 1800LM | 5000K Daylight | 4 Foot | Frosted | Ballast Bypass - Double Sided Wiring |
| S39915 | 14W | 1800LM | 4000K Cool White | 4 Foot | Frosted | Ballast Bypass - Double Sided Wiring |
| S9914 | 14W | 1700LM | 3500K Neutral White | 4 Foot | Frosted | Ballast Bypass - Double Sided Wiring |
| S39913 | 15W | 1700LM | 3000K Soft White | 4 Foot | Frosted | Ballast Bypass - Double Sided Wiring |

EXHIBIT G - Addenda