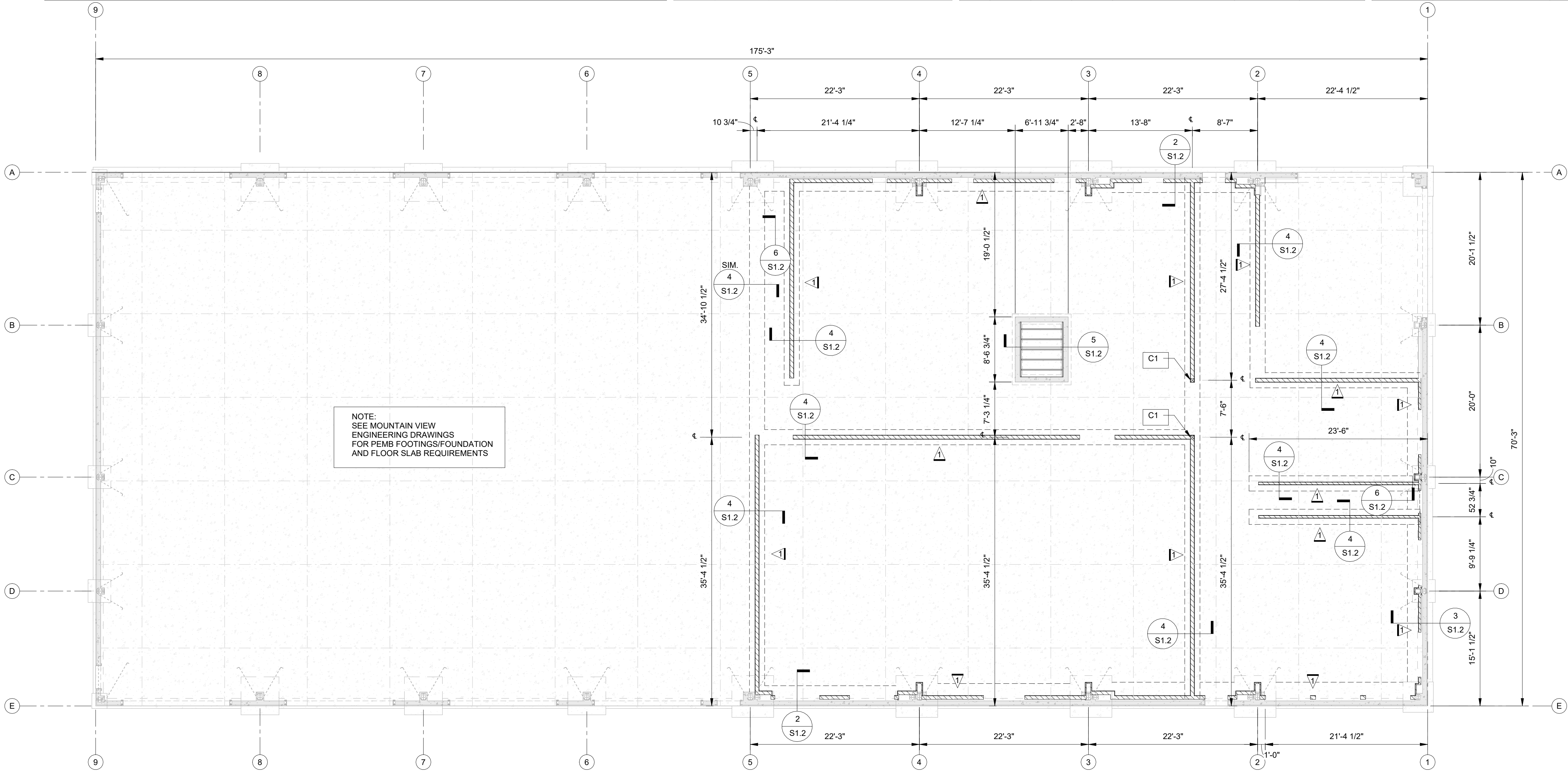


| SHEAR WALL SCHEDULE |                                  |                                         |             |                    |                                 |                                                 | <div>SHEARWALL HATCH</div> |           |             |                                      |
|---------------------|----------------------------------|-----------------------------------------|-------------|--------------------|---------------------------------|-------------------------------------------------|----------------------------|-----------|-------------|--------------------------------------|
| MARK #              | SHEATHING                        | NAILING                                 | END MEMBERS | SILL PLATE MEMBERS | SILL ANCHORS                    | COMMENTS                                        | MARK                       | TYPE      | DIMENSIONS  | REMARKS                              |
| <div>1</div>        | 7/16" PLY/OSB, ONE SIDE, BLOCKED | 8d @ 6" O.C. EDGES, 8d @ 12" O.C. FIELD | (2) 2x6     | 2x6 P.T.           | 5/8" Ø x 7" EMBED. @ 4'-0" O.C. | FOR ALTERNATE FASTENERS SEE TABLE OF EQUIVALENT | C1                         | WOOD POST | 6x6 DF-L #1 | ANCHOR TO CONCRETE W/ SIMPSON CPT66Z |
| <div>2</div>        | 7/16" PLY/OSB, ONE SIDE, BLOCKED | 8d @ 6" O.C. EDGES, 8d @ 12" O.C. FIELD | (3) 2x8     | 2x8 P.T.           | 5/8" Ø x 7" EMBED. @ 4'-0" O.C. | FOR ALTERNATE FASTENERS SEE TABLE OF EQUIVALENT |                            |           |             |                                      |

| COLUMN SCHEDULE |           |             |                                      |
|-----------------|-----------|-------------|--------------------------------------|
| MARK            | TYPE      | DIMENSIONS  | REMARKS                              |
| C1              | WOOD POST | 6x6 DF-L #1 | ANCHOR TO CONCRETE W/ SIMPSON CPT66Z |

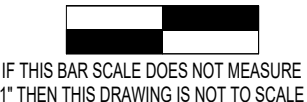
| FOOTING SCHEDULE |            |       |       |                            |            |                      |                   |
|------------------|------------|-------|-------|----------------------------|------------|----------------------|-------------------|
| MARK #           | DIMENSIONS |       |       | REINFORCING                |            | TOP OF FOOTING ELEV. | COMMENTS          |
|                  | LENGTH     | WIDTH | DEPTH | LONGITUDINAL               | TRANSVERSE |                      |                   |
| F1               | N/A        | 2'-0" | 12"   | (4)#5 BARS BOTTOM EACH WAY |            | 98'-0"               | SEE DETAIL 4/S1.2 |

| HOLDOWN SCHEDULE |                      |                       |                           |
|------------------|----------------------|-----------------------|---------------------------|
| MARK             | DESCRIPTION          | WOOD MEMBER           | COMMENTS                  |
| 1                | "SIMPSON" HDU2SDS2.5 | 3" MIN. PER MFR REQ'S | INSTALL PER DETAIL 1/S1.2 |
| 2                | "SIMPSON" HDU4SDS2.5 | 3" MIN. PER MFR REQ'S | INSTALL PER DETAIL 1/S1.2 |



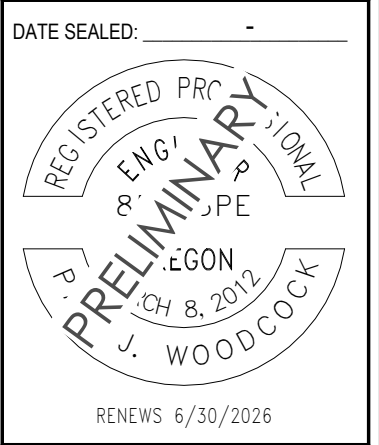
### STRUCTURAL NOTES

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| <b>GENERAL:</b><br>1. THESE STRUCTURAL DRAWINGS ARE INTENDED TO PRESENT SUFFICIENT DIMENSIONS & DETAILS TO LOCATE THE PRIMARY STRUCTURAL COMPONENTS. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF SECONDARY ELEMENTS, WALLS, OR MEMBERS RELATED TO OTHER DISCIPLINES.<br>2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS & SITE COMPONENTS BEFORE STARTING WORK.<br>3. ALL MATERIALS & WORKMANSHIP SHALL CONFORM TO THE 2022 O.S.S.C.<br>4. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO ITS COMPLETION. THE DESIGN, ADEQUACY & SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR & HAS NOT BEEN CONSIDERED BY THE ENGINEER. CHANGES OR DEVIATIONS FROM DESIGN WILL NOT BE MADE WITHOUT APPROVAL FROM ENGINEER.<br><b>DESIGN LOADS:</b><br>1. UPPER FLOOR: DEAD LOAD: ..... 20 PSF<br>LIVE LOAD: ..... 125 PSF<br>2. SEISMIC: IMPORTANCE FACTOR, I <sub>s</sub> : ..... 1.25<br>OCCUPANCY CATEGORY: ..... III<br>SITE CLASS: ..... D<br>SPECTRAL RESPONSE ACCEL, S <sub>s</sub> : ..... 0.3335<br>SPECTRAL RESPONSE ACCEL, S <sub>1</sub> : ..... 0.1186<br>SPECTRAL RESPONSE COEFF, S <sub>d</sub> : ..... 0.3426<br>SPECTRAL RESPONSE COEFF, S <sub>d1</sub> : ..... 0.1868<br>SEISMIC DESIGN CATEGORY: ..... C<br>SEISMIC FORCE RESISTING SYSTEM:<br>(LIGHT FRAME WALLS W/ WOOD SHEAR PANELS)<br>RESPONSE MODIFICATION FACTORS:<br>R: ..... 6.5<br>Ω: ..... 2.5 |  | <b>FOOTING/FOUNDATION:</b><br>1. ALL NON-COMPACTABLE & ORGANIC MATERIALS SHALL BE REMOVED PRIOR TO COMPACTION OF SUB-GRADE.<br>2. ALL IMPORTED SOIL THAT IS USED TO BACKFILL, &/OR ALL DISTURBED SOIL USED AS BACK FILL, &/OR DISTURBED SOIL, TO BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY (ASTM D698).<br>3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COMPACTION TESTING OF SUB-GRADE SOILS.<br>4. AN ALLOWABLE SOIL PRESSURE OF 1500 PSF WAS USED IN DESIGN.<br>5. PLACE ALL FOOTINGS ON UNDISTURBED NATIVE SOIL OR COMPACTED STRUCTURAL FILL AS PER 2022 O.S.S.C.<br><b>CONCRETE:</b><br>1. MINIMUM CLEAR CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS (UNLESS NOTED OTHERWISE):<br>A. CONCRETE PLACED DIRECTLY AGAINST THE EARTH TO HAVE 3 INCHES.<br>B. ALL FORMED SURFACES EXPOSED TO WEATHER OR EARTH:<br>#5 REBAR OR SMALLER ..... 1 1/2 INCHES<br>#6 REBAR OR LARGER ..... 2 INCHES<br>2. REBAR HOOK & BEND RADIUS FOR 180°R & 90°R:<br>HOOK FOR #3 TO #7 BARS = R3"<br>HOOK FOR #8 TO #11 BARS = R6"<br>3. MINIMUM LENGTH OF LAPPED SPLICES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE. STAGGER SPLICES SO THAT NO TWO ADJACENT BARS ARE SPLICED IN THE SAME LOCATION UNLESS SHOWN OTHERWISE.<br>REBAR SIZE      SPLICE LENGTH<br>#4      24"<br>#5      30"<br>4. REINFORCING BARS SHALL CONFORM TO ASTM A-615, GRADE 60. REINFORCEMENT YIELD STRENGTH TO BE A MIN. OF 60.<br>5. MAKE ALL BARS CONTINUOUS AROUND CORNERS OR PROVIDE CORNER REBAR SPLICING OF EQUAL SIZE AND SPACING.<br>6. COMPRESSION STRENGTH:<br>FOOTINGS: ..... F <sub>c</sub> = 3000 PSI<br>STEM WALLS: ..... F <sub>c</sub> = 3000 PSI<br>7. AIR CONTENT FOR EXPOSURES MUST MEET THE REQUIREMENTS OF T.19.3.3.1 OF ACI-318-14.<br>a. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.<br>b. CALCIUM CHLORIDE ADMIXTURES SHALL NOT BE USED. |  | <b>ANCHOR BOLTS:</b><br>1. ALL ANCHOR BOLTS SHALL BE ASTM F1554 BOLTS, UNLESS NOTED OTHERWISE ON THE STEEL BUILDING DRAWINGS:<br>BOLT DIAMETER      EMBEDMENT LENGTH      SPACING<br>5/8"      7"      48" O.C.<br><b>LUMBER:</b><br>1. SAWN LUMBER FOR ALL WALL STUDS SHALL BE DOUG FIR LARCH No. 2 (DF-L #2) OR BETTER (U.N.O.).<br>2. ALL LUMBER IN CONTACT W/ CONCRETE, MASONRY, OR GROUND SHALL BE PRESERVATIVE TREATED WOOD IN ACCORDANCE W/ AWPA STANDARDS OR U.N.O.<br>3. AT A MINIMUM, ALL NAILING SHALL MEET THE REQUIREMENTS OF O.S.S.C., TABLE 2304.6.1. ALL NAILS SHALL BE COMMON NAILS UNLESS NOTED OTHERWISE.<br>4. WALL SHEATHING SHALL BE 7/16" MINIMUM, APA RATED, NAILED W/ 8d NAILS @ 6" O.C. ALONG ALL SUPPORTED EDGES AND 12" O.C. IN FIELD (U.N.O.).<br>5. FLOOR SHEATHING SHALL BE 3/4" MINIMUM, TONGUE & GROOVE (T&G), APA RATED, GLUED AND NAILED W/ 10d COMMON NAILS @ 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN FIELD.<br>6. ALL POSTS SHALL BE DF-L#1 OR BETTER.<br>7. GLU-LAM BEAMS:<br>a. TRUSS LOADING:<br>TOP CHORD D.L. = 12 psf<br>TOP CHORD L.L. = 30 psf<br>BOTTOM CHORD D.L. = 8 psf<br>BOTTOM CHORD L.L. = 10 psf<br>b. BOTTOM CHORD LIVE LOAD ACTS DOES NOT ACT CONCURRENTLY W/ TOP CHORD LIVE LOAD<br>8. FOR CONNECTIONS OF "SIMPSON" HARDWARE" OR EQUIVALENT, FOLLOW MANUFACTURERS RECOMMENDATIONS.<br>9. MANUFACTURED TRUSSES:<br>a. TRUSS LOADING:<br>TOP CHORD D.L. = 12 psf<br>TOP CHORD L.L. = 30 psf<br>BOTTOM CHORD D.L. = 8 psf<br>BOTTOM CHORD L.L. = 10 psf<br>b. BOTTOM CHORD LIVE LOAD ACTS DOES NOT ACT CONCURRENTLY W/ TOP CHORD LIVE LOAD |  | <b>SPECIAL INSPECTIONS:</b><br>1. THE OWNER SHALL RETAIN AN "APPROVED AGENCY" PER O.S.S.C. 1704, TO PROVIDE THE SPECIAL INSPECTIONS INDICATED BELOW FOR THIS PROJECT. SPECIAL INSPECTORS SHALL BE QUALIFIED PERSONS PER O.S.S.C. 1704.2.1. PERFORM ALL SPECIAL INSPECTIONS & TESTS IN ACCORDANCE WITH CHAPTER 17 OF THE 2022 OREGON STRUCTURAL SPECIALTY CODE (O.S.S.C.).<br>2. FOUNDATION WAS DESIGNED W/ F <sub>c</sub> = 2500 psi SPECIAL INSPECTION NOT REQUIRED, U.N.O. (O.S.S.C. 1704.4 exception 2.3).<br>3. THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION:<br>a. EPOXY ANCHORS-PERIODIC<br>b. MASONRY ANCHORS-PERIODIC<br>c. LEVEL B QUALITY ASSURANCE (TMS-402) - PERIODIC |  |
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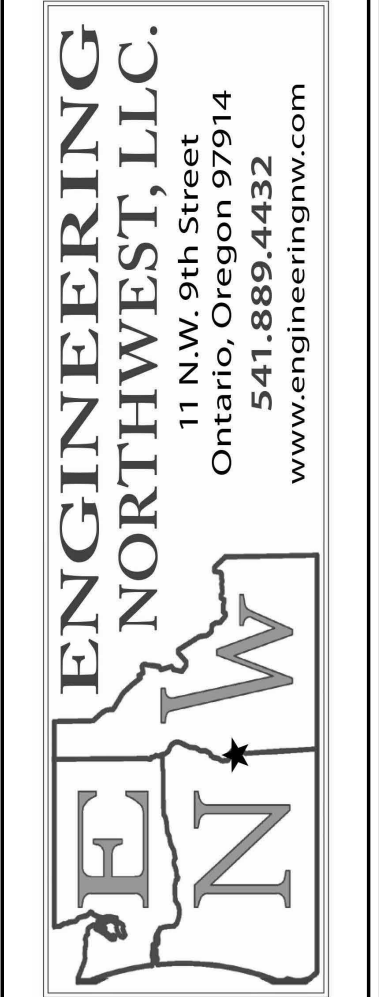


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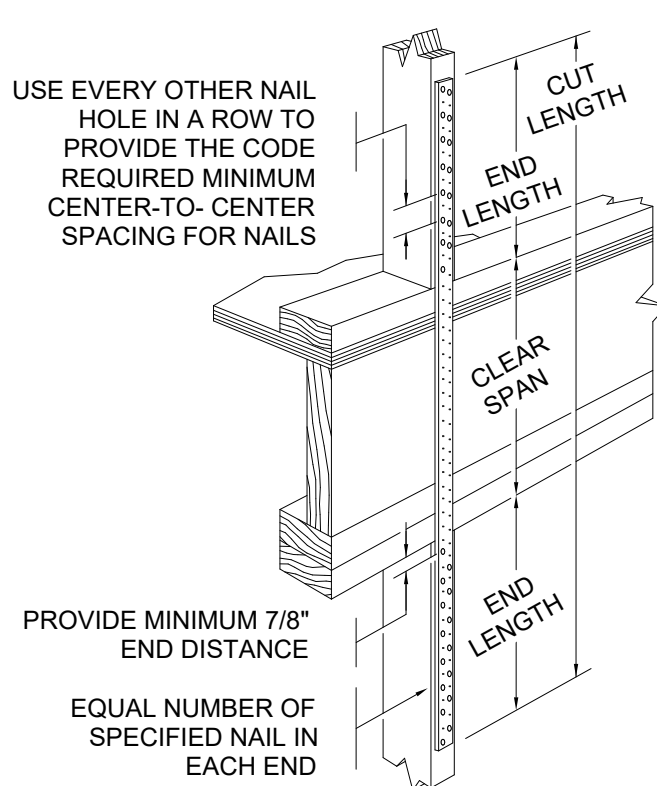
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|----------------------|--------------|
| Reviewed By:         | PAT WOODCOCK |
| Drawn By:            | P.H.         |
| Approved By:         | PAT WOODCOCK |
| Print Date:          | 09 MAY 2025  |
| DWG Scale:           | AS NOTED     |
| DATE                 |              |
| REVISION DESCRIPTION |              |
| MARK                 |              |



|                                              |
|----------------------------------------------|
| 2nd LEVEL FOUNDATION PLAN                    |
| New Metal Building for:                      |
| APEX ELITE LINE ACADEMY                      |
| PARCEL: 09S40E07D00408, BAKER CITY, OR 97814 |
| APEX ELITE LINE ACADEMY                      |
| PARCEL: 09S40E07D00408, BAKER CITY, OR 97814 |



|                  |
|------------------|
| S1.1             |
| SHEET NO. 1 OF 4 |
| JOB NO. 25-041   |



**EMBEDMENT REQUIREMENTS:**

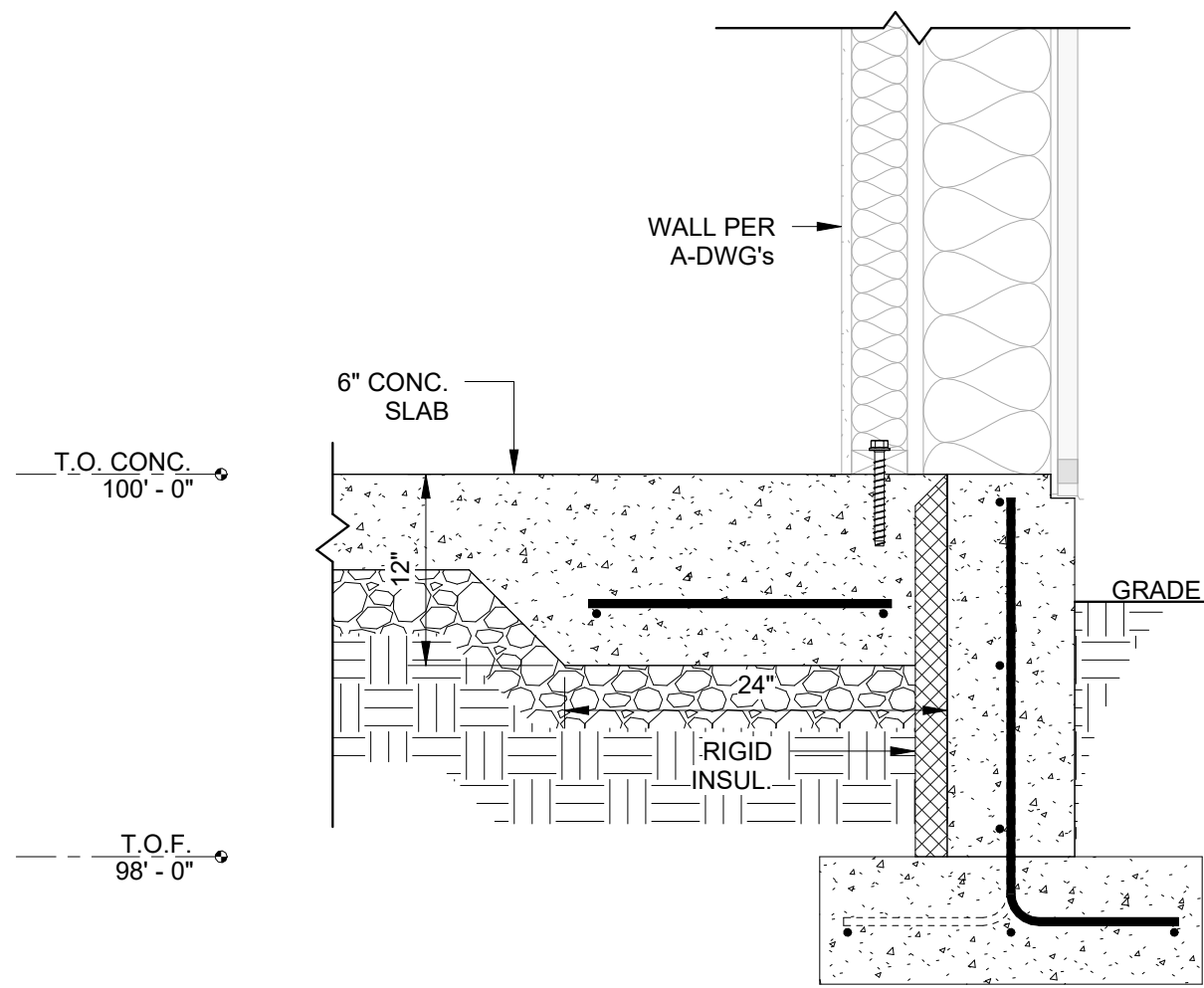
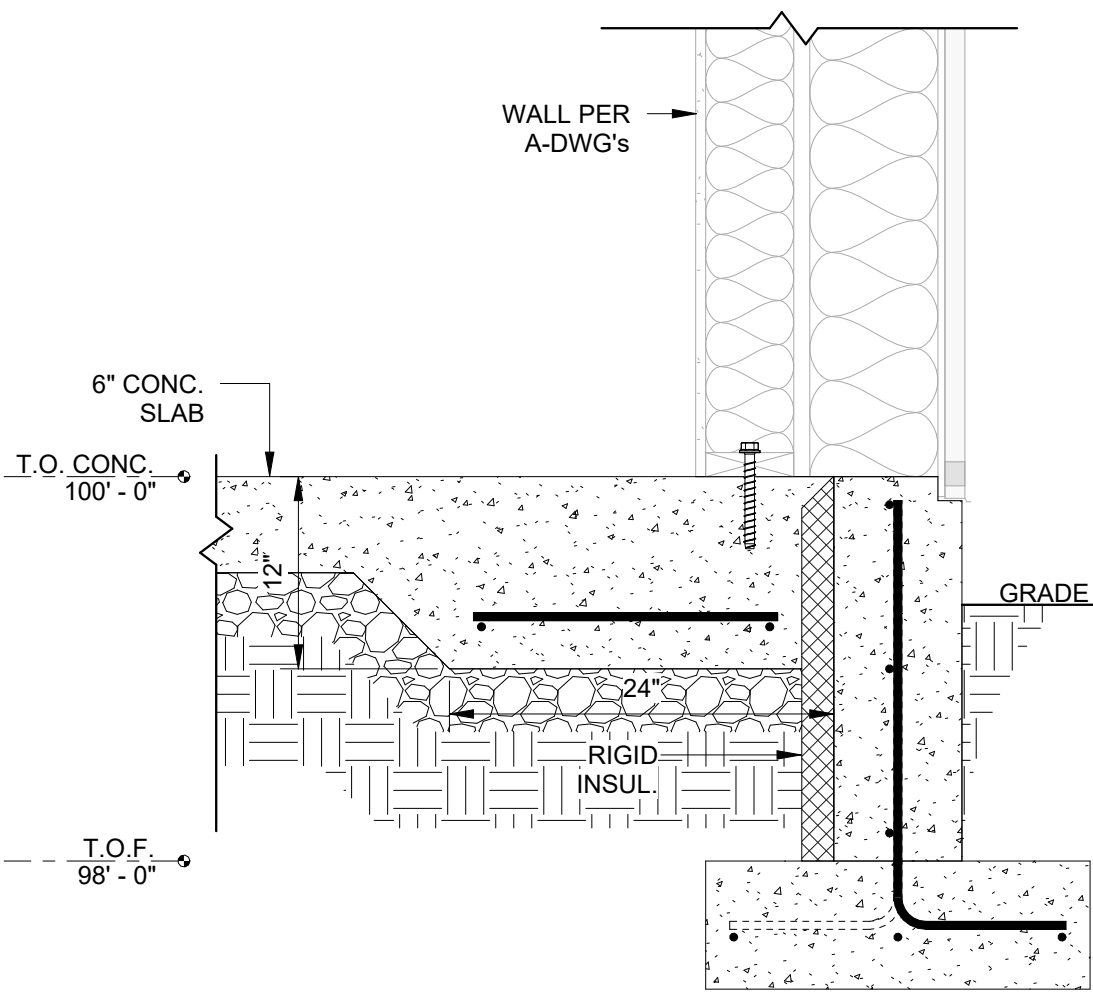
1. 5/8"Ø = 6 1/2" EMBEDMENT\*

\*USE HILTI HY200 EPOXY ADHESIVE

MEMBER SIZE PER HOLDDOWN SCHEDULE

HDU HOLDDOWN SEE SCHEDULE

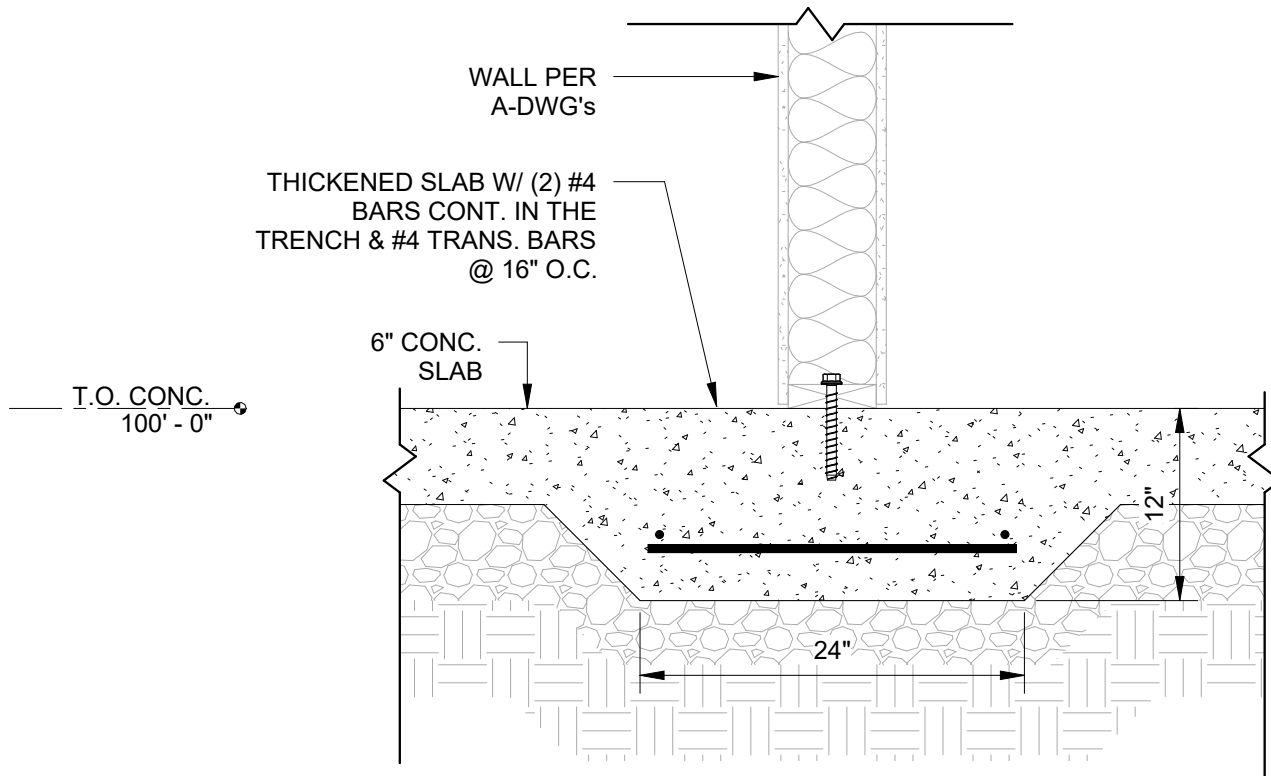
PRESERVATIVE-TREATED BARRIER MAY BE REQUIRED FOR CONNECTORS IN CONTACT W/ P.T. WOOD



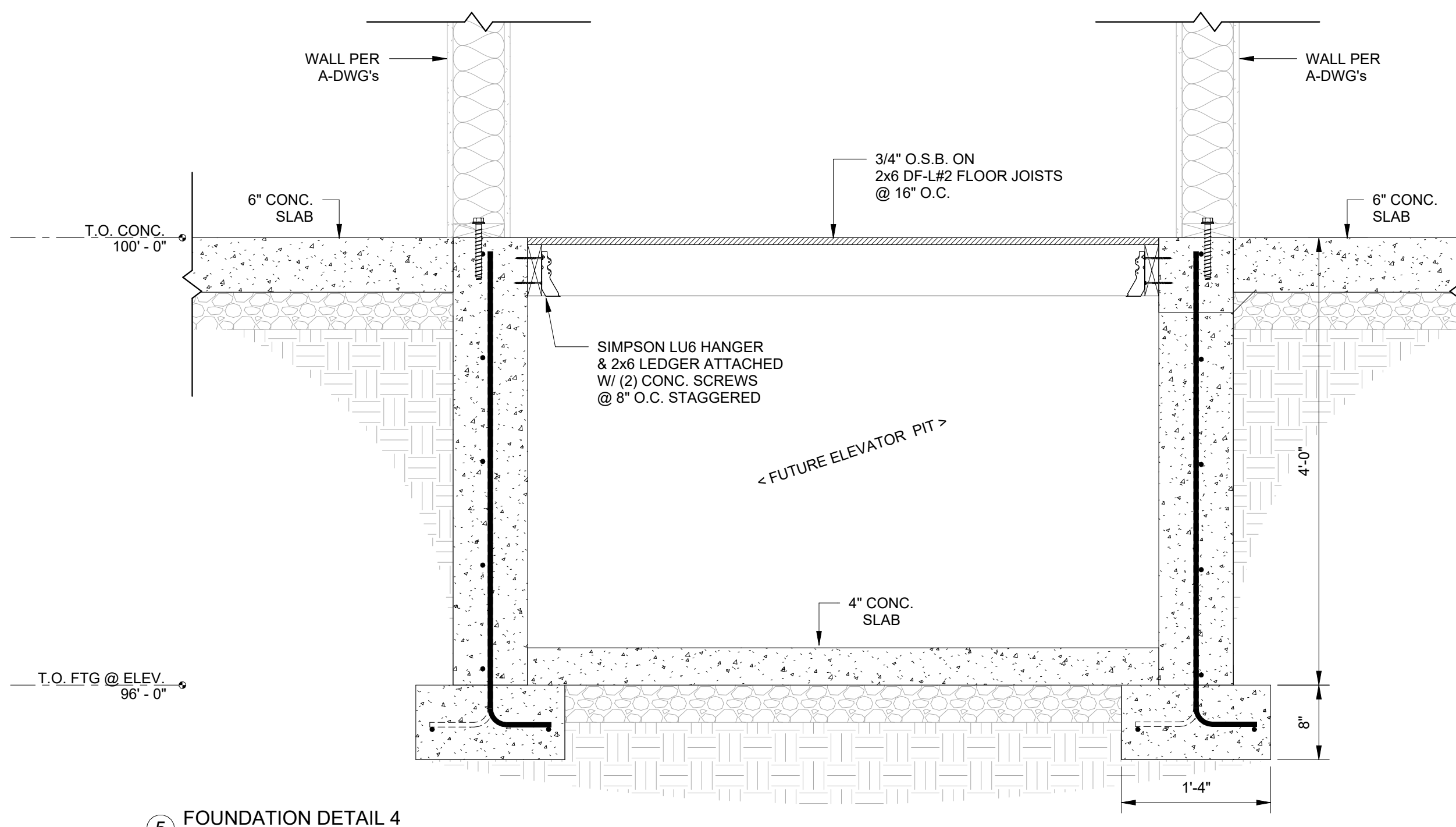
① TYP. HOLDDOWN DETAIL  
N.T.S.

② FOUNDATION DETAIL 1  
1" = 1'-0"

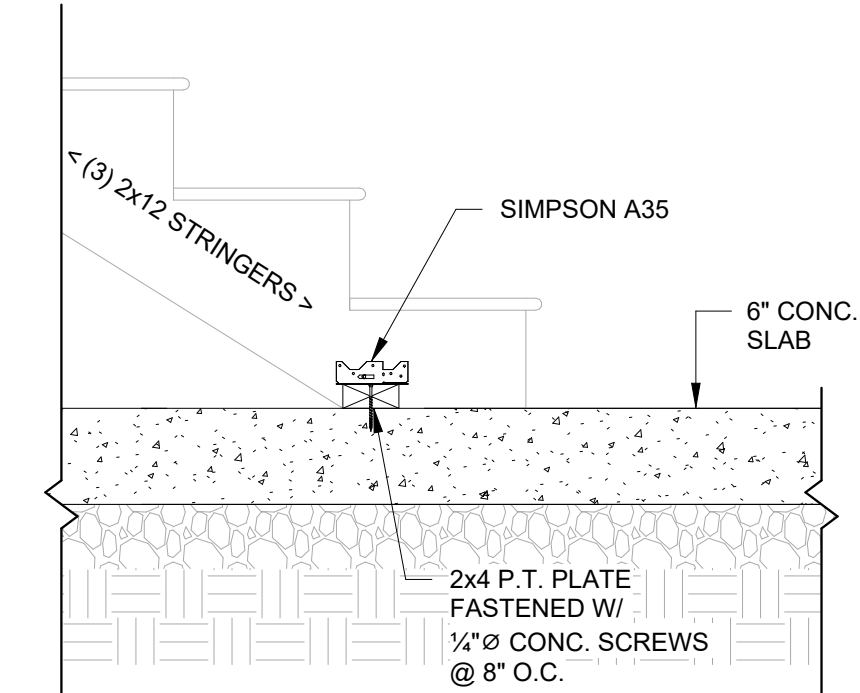
③ FOUNDATION DETAIL 2  
1" = 1'-0"



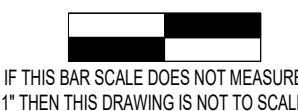
④ FOUNDATION DETAIL 3  
1" = 1'-0"



⑤ FOUNDATION DETAIL 4  
1" = 1'-0"

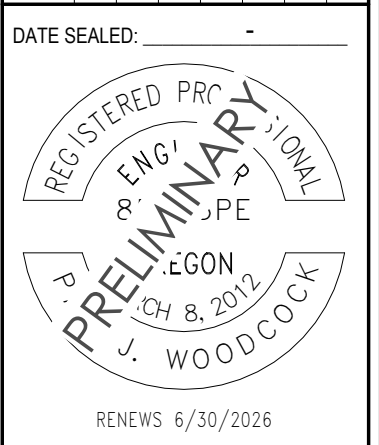


⑥ STAIR DETAIL 1  
1" = 1'-0"

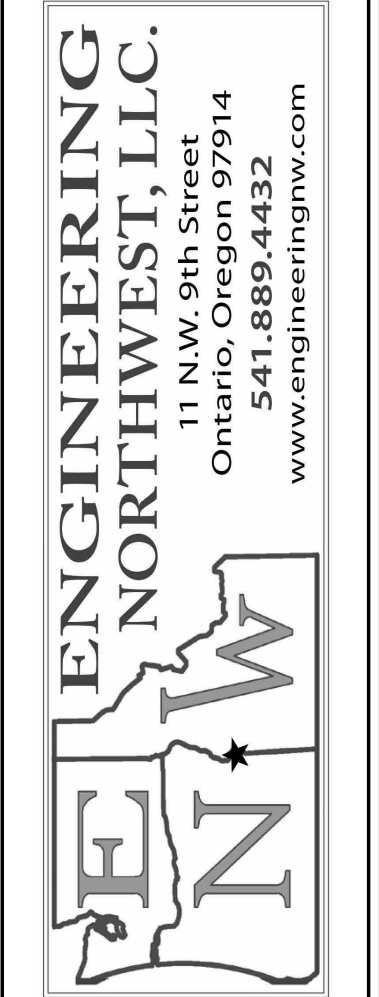


IF THIS BAR SCALE DOES NOT MEASURE  
1" THEN THIS DRAWING IS NOT TO SCALE

|              |              |
|--------------|--------------|
| Reviewed By: | PAT WOODCOCK |
| Drawn By:    | P.H.         |
| Approved By: | PAT WOODCOCK |
| Print Date:  | 09 MAY 2025  |
| DWG Scale:   | AS NOTED     |



**STRUCTURAL DETAILS**  
**New Metal Building for:**  
APEX ELITE LINE ACADEMY  
PARCEL: 09S40E07D00408, BAKER CITY, OR 97814  
APEX ELITE LINE ACADEMY  
PARCEL: 09S40E07D00408, BAKER CITY, OR 97814

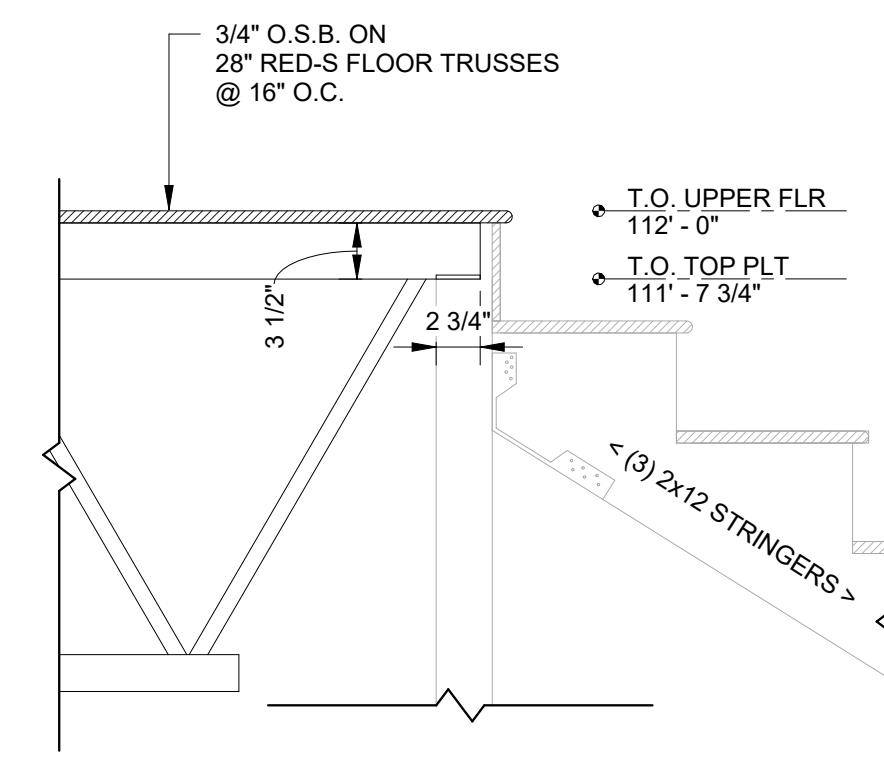
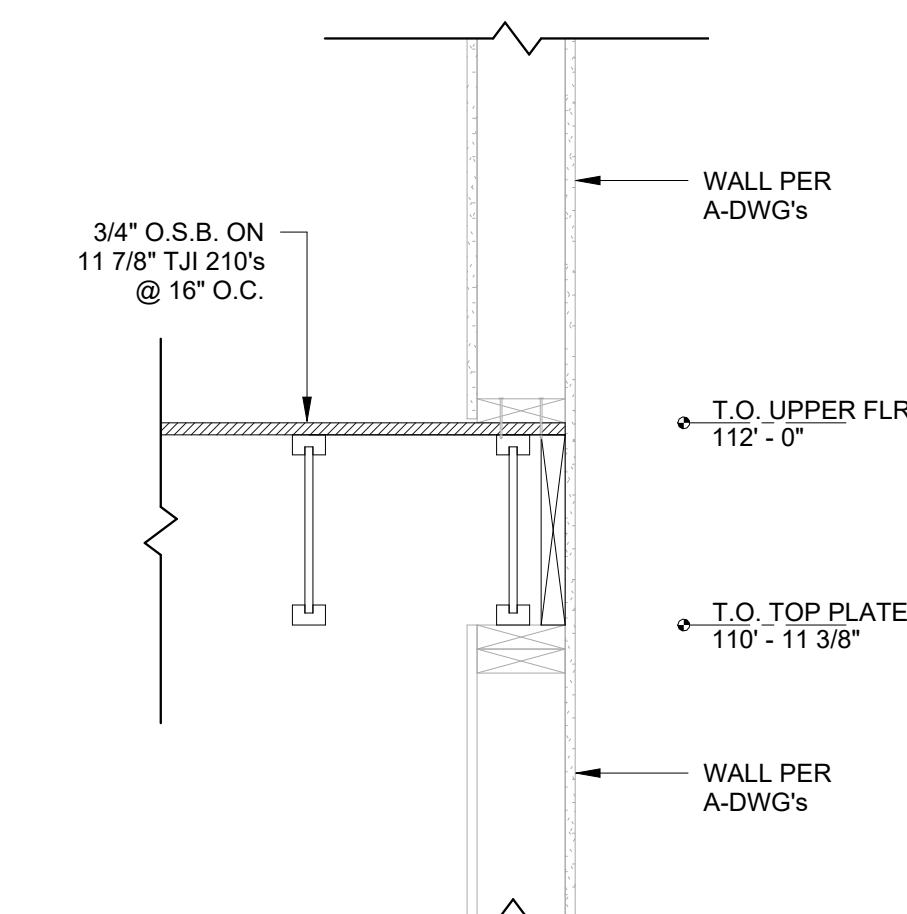
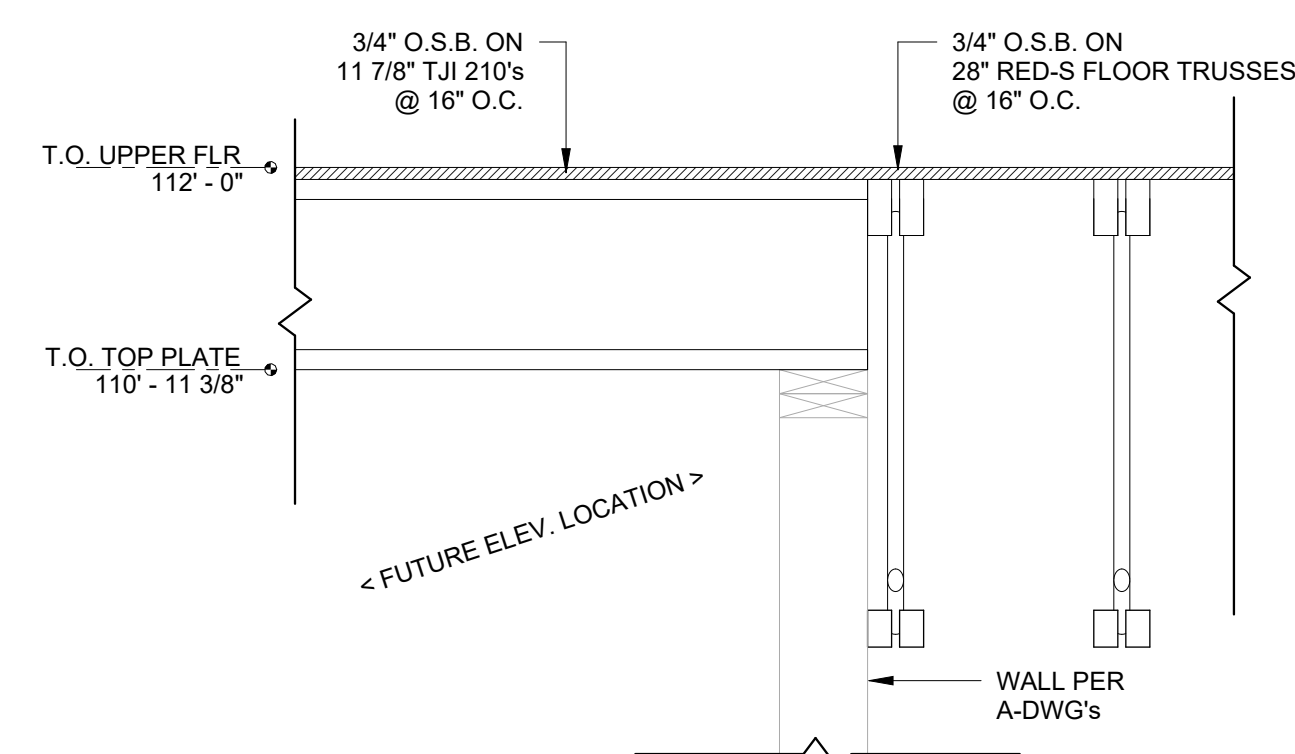
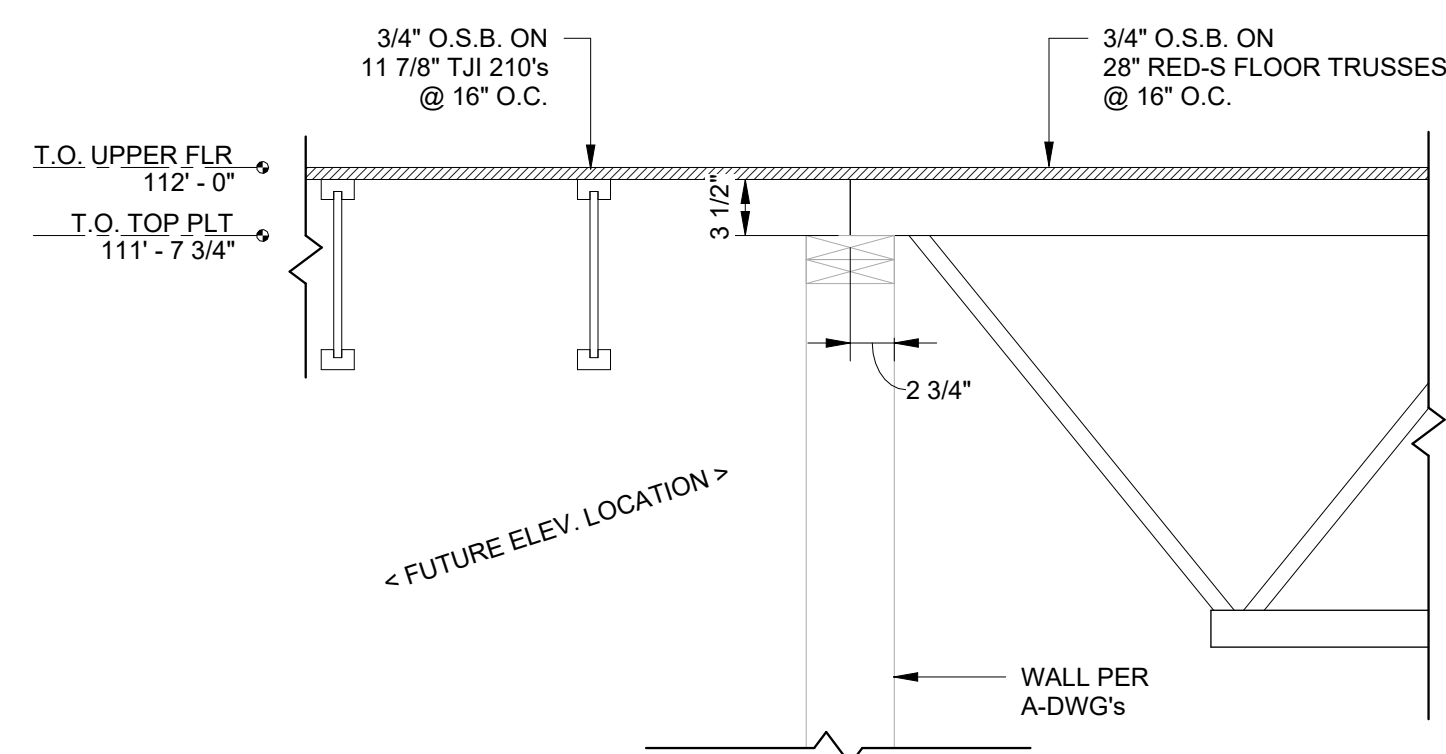
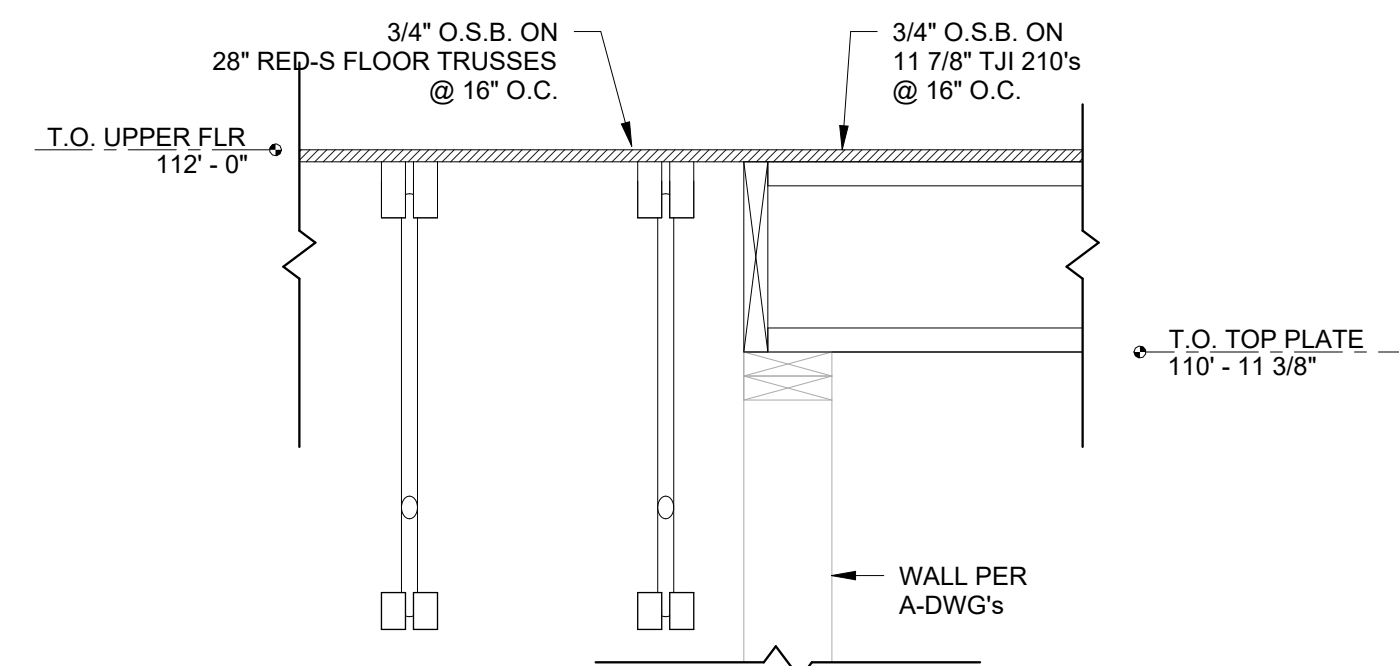
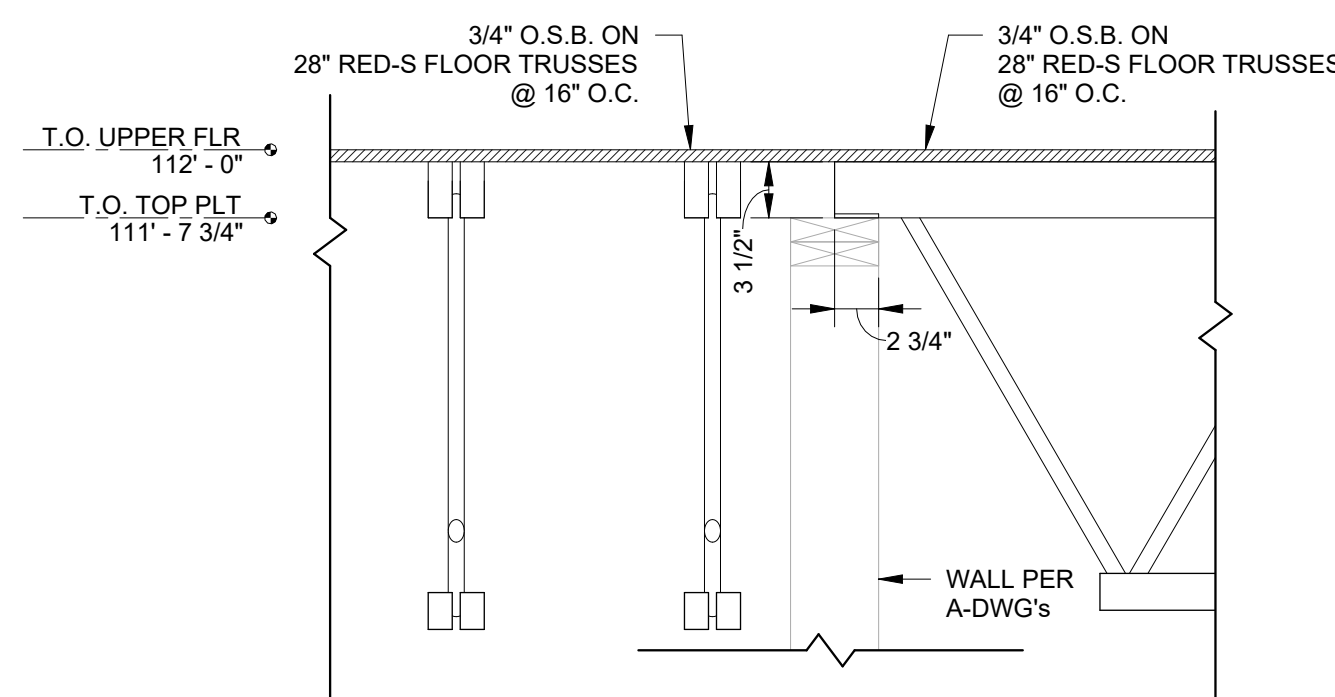
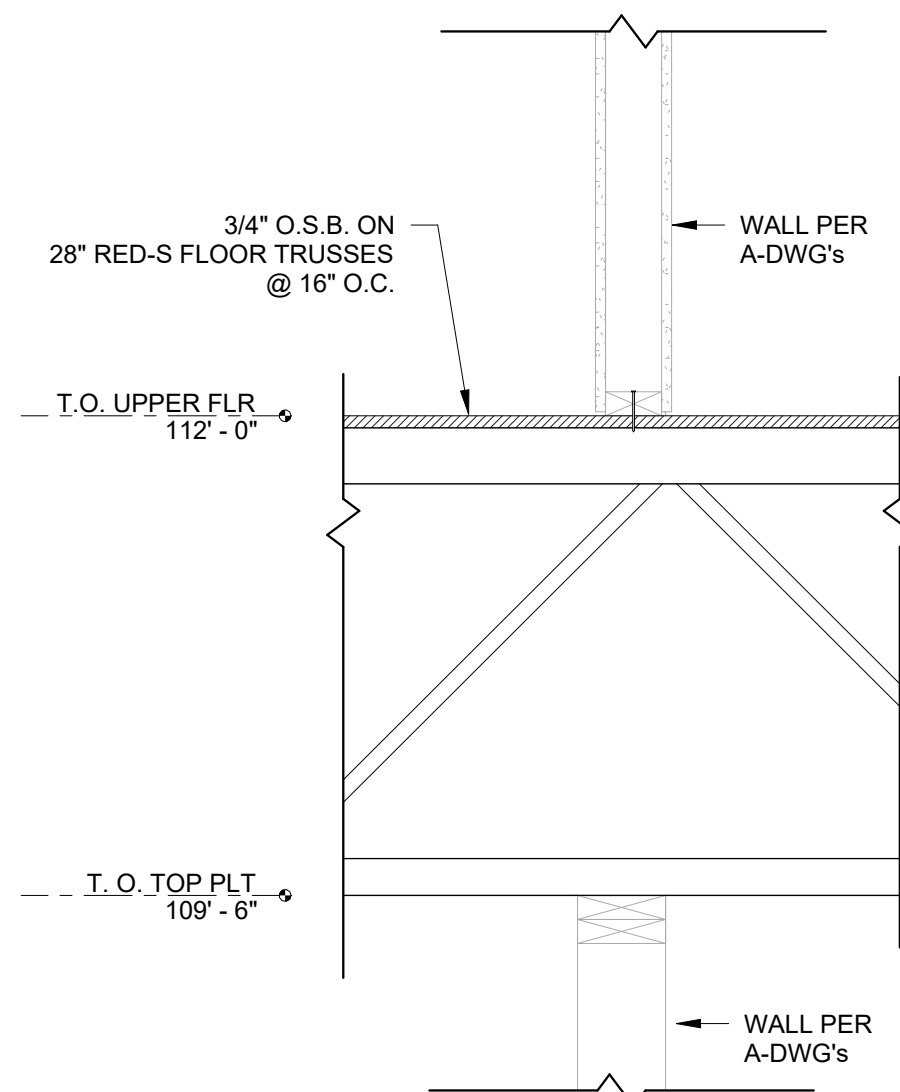
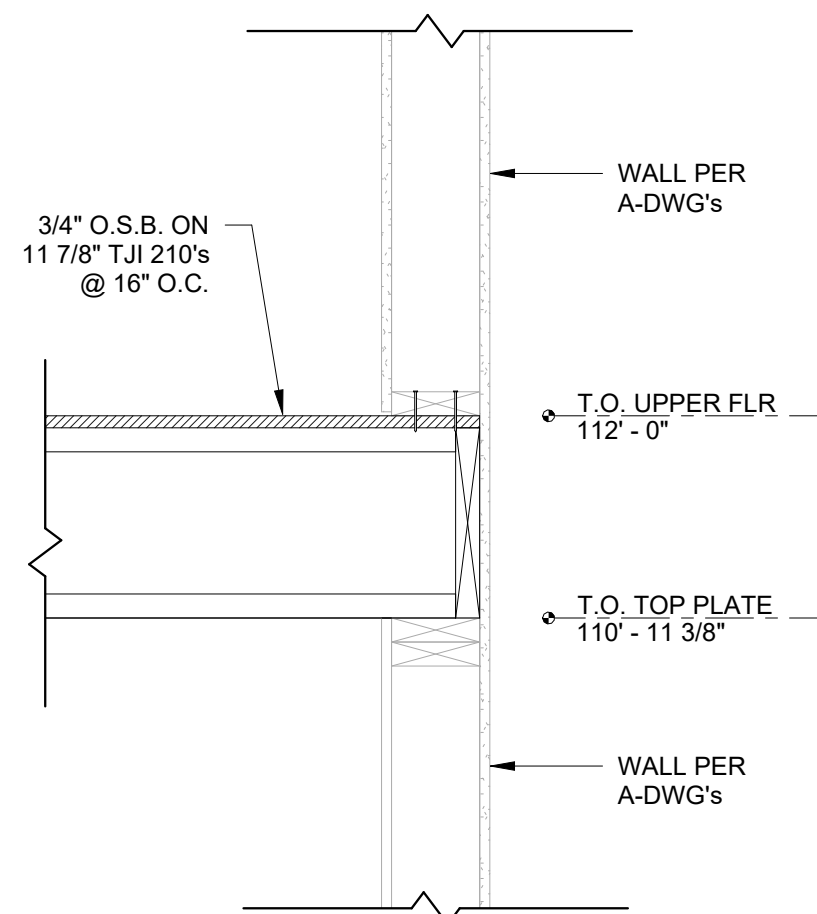
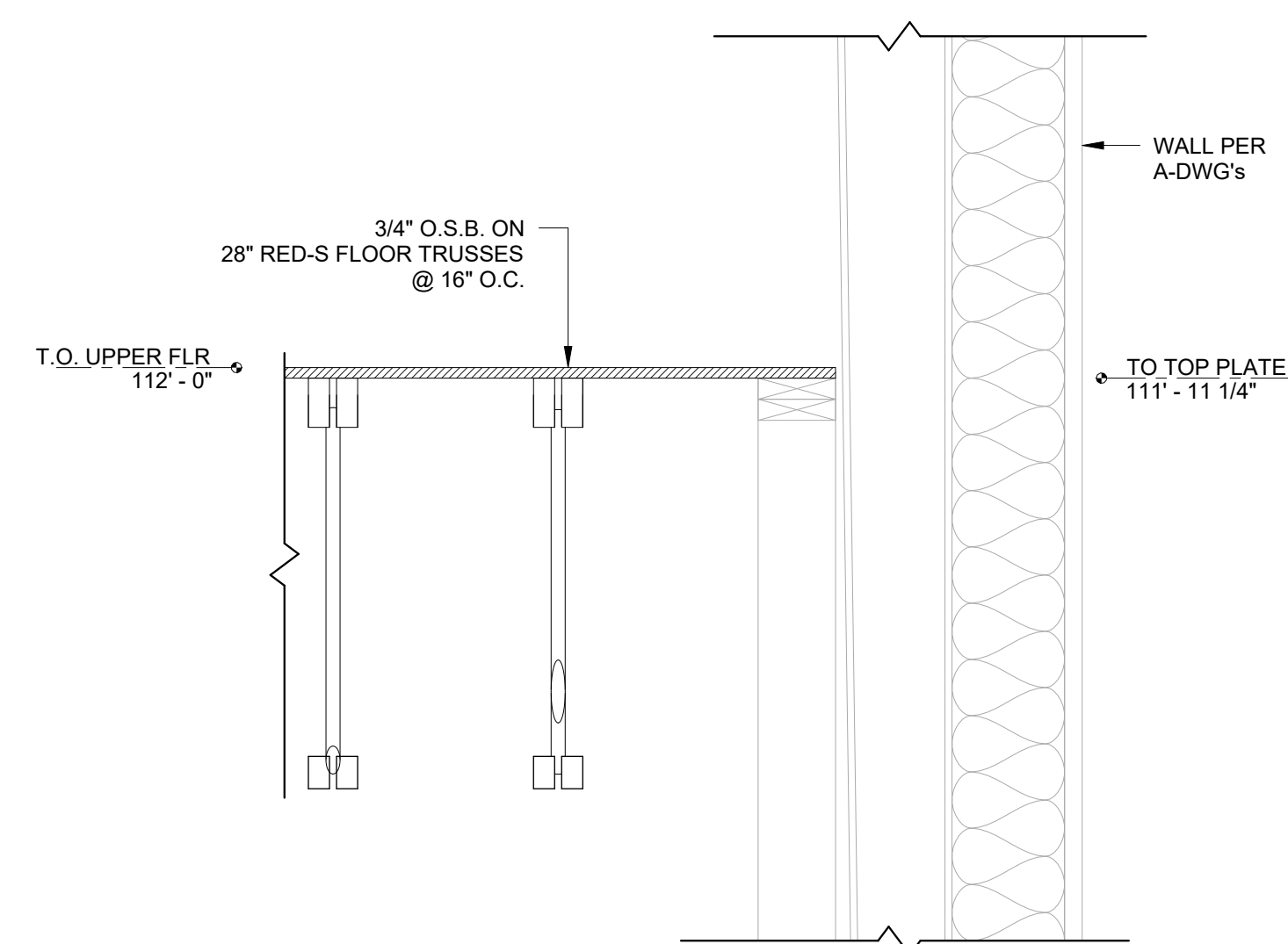
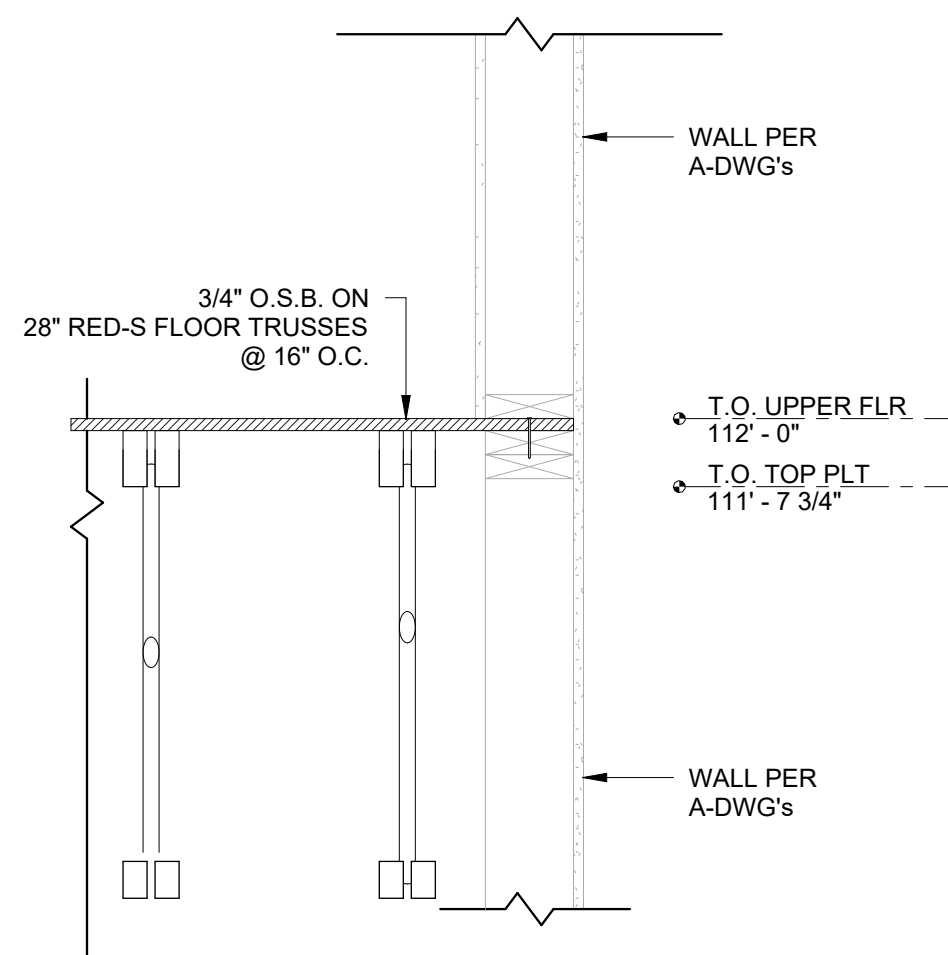
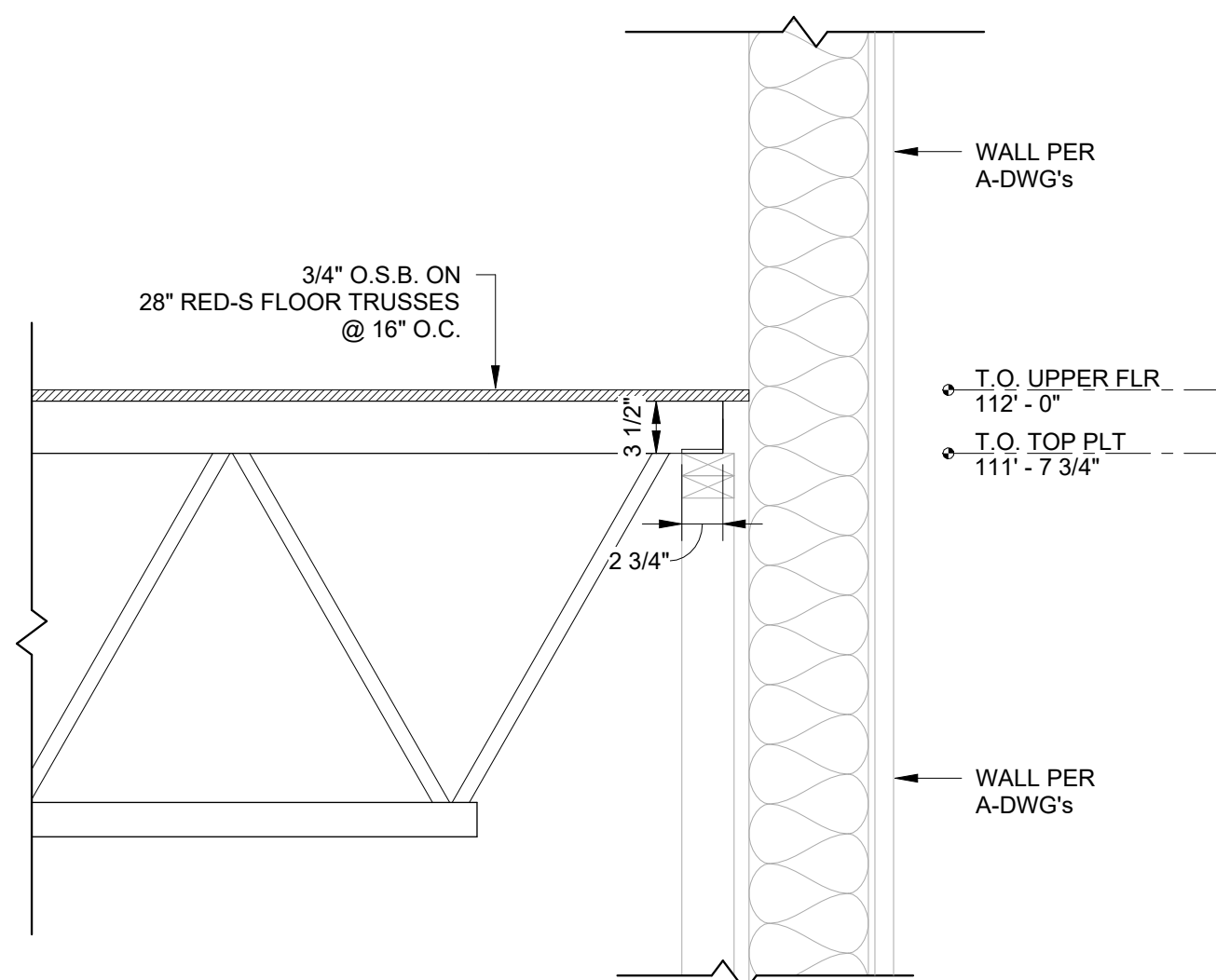
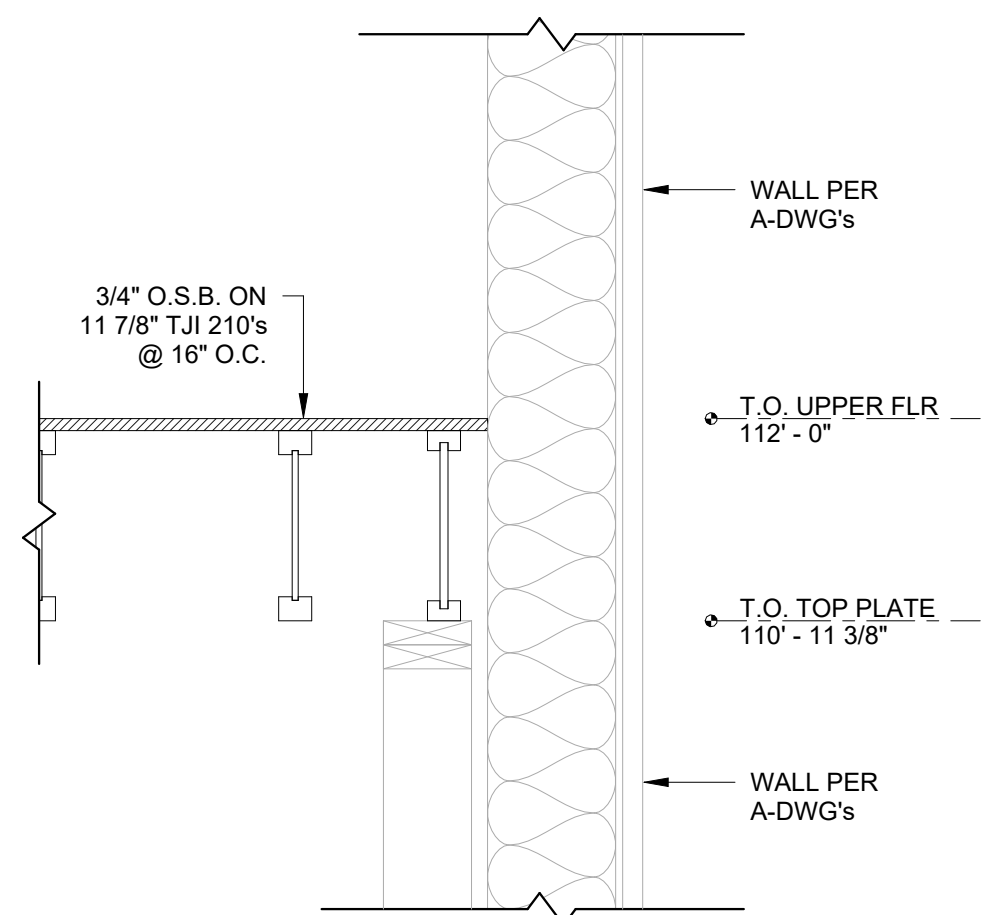


**S1.2**

SHEET NO. 2 OF 4  
JOB NO. 25-041

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**ENGINEERING NORTHWEST, LLC.**  
11 N.W. 9th Street  
Ontario, Oregon 97914  
541.889.4432  
[www.engineerinnw.com](http://www.engineerinnw.com)

**STRUCTURAL**  
**New Metal Building for:**  
APEX ELITE LINE ACADEMY  
PARCEL: 09S40E07D00408, BAKER CITY, OR 97814  
  
APEX ELITE LINE ACADEMY  
PARCEL: 09S40E07D00408, BAKER CITY, OR 97814

SHEET NO. 4 OF 4  
JOB NO. 25-041

DATE: \_\_\_\_\_  
REVISION DESCRIPTION: \_\_\_\_\_  
MARK: \_\_\_\_\_  
DATE SEALED: \_\_\_\_\_

Reviewed By: PAT WOODCOCK  
Drawn By: P. H.  
Approved By: PAT WOODCOCK  
Print Date: 09 MAY 2025  
DWG Scale: AS NOTED

REVISIONS: 6/30/2026

