

CUSTOMER INFORMATION

CUSTOMER NAME: OTEC  
ADDRESS: 4005 23RD ST.  
BAKER CITY, OR 97814

PROJECT NAME: APEX ELITE LINE ACADEMY  
PROJECT LOCATION: BAKER CITY, OR

GENERAL NOTES

1. MATERIALS
- ASTM DESIGNATION
- STRUCTURAL STEEL PLATE  
FLANGE MATERIAL  
COLD FORMED LIGHT GAUGE SHAPES  
STRUCTURAL CABLES  
HOT ROLLED MILL SHAPE  
HOLLOW STRUCTURAL SECTIONS  
PBR36 ROOF AND WALL PANELS  
STANDING SEAM ROOF  
BOLTS  
BOLTS
- A529 OR A572 OR A1011SS  
A529  
A1011SS  
A475  
A992  
A500  
A653 OR A792  
A653 OR A792  
A325  
GRADE 5
- GRADE 55  
GRADE 55  
GRADE 55  
GRADE EHS  
GRADE 50  
GRADE B  
GRADE 80  
GRADE 50  
GRADE 50  
GRADE 5  
GRADE 5
2. DESIGN
- A. ALL STRUCTURAL STEEL SECTIONS AND WELDED  
PLATE MEMBER ARE DESIGNED IN ACCORDANCE WITH THE AISC  
"SPECIFICATIONS FOR THE DESIGN, FABRICATING AND ERECTION  
OF STRUCTURAL STEEL BUILDING". ALLOWABLE STRESS DESIGN  
LATEST EDITION.
- B. ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH  
AISI "SPECIFICATIONS FOR DESIGN OF COLD FORMED STEEL  
STRUCTURAL MEMBERS" LATEST EDITION.
- C. ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1  
"STRUCTURAL WELDING CODE" LATEST EDITION.
3. HIGH STRENGTH BOLT CONNECTIONS:
- ALL HIGH STRENGTH BOLTS ARE TYPE ASTM A325 AND ARE TO BE INSTALLED  
ACCORDING TO THE "SNUG-TIGHT" CONDITIONS AS DEFINED BY THE,  
RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS,  
2004 EDITION - SECTION 6.1, UNLESS NOTED OTHERWISE.  
ALSO, NOTE THAT BOLTS IN STANDARD HOLES DO NOT REQUIRE WASHERS PER THE,  
RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS, SECTION 6  
(REFERENCE STEEL CONSTRUCTION AISC MANUAL - LATEST EDITION)
4. A325 BOLT TIGHTENING REQUIREMENTS
- ALL HIGH STRENGTH BOLTED CONNECTIONS ARE SUBJECT TO AXIAL  
TENSION AND OR SLIP CRITICAL. AS SUCH THE BOLTS MUST BE FULLY  
PRE-TENSIONED AND INSPECTED IN ACCORDANCE WITH THE LATEST  
EDITION OF THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING  
ASTM A325 BOLTS AND THE APPLICABLE BUILDING CODE. WASHERS ARE  
NOT REQUIRED WHEN THE "TURN OF THE NUT" TIGHTENING PROCEDURE IS  
USED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE  
PROPER BOLT TIGHTNESS.
5. STRUCTURAL PRIMER
- ALL STRUCTURAL MEMBERS WILL BE GIVEN ONE COAT OF MANUFACTURER'S  
STANDARD RUST-INHIBITIVE PRIMER MEETING THE PERFORMANCE REQUIREMENTS  
OF TT-P-6645. THIS IS NOT A FINISH COAT AND IS NOT INTENDED FOR PROLONGED  
EXPOSURE TO THE ELEMENTS. REFERENCE AISC 360-05, CODE OF STANDARD  
PRACTICE SECTION 6.5.1-6.5.4.

6. BUILDER / CONTRACTOR RESPONSIBILITIES

R & M STEEL COMPANY STANDARD  
PRODUCT SPECIFICATIONS APPLY AND  
R & M STEEL COMPANY DESIGN,  
FABRICATION, QUALITY CONTROL  
STANDARDS AND TOLERANCE WILL  
GOVERN. IN CASE OF DISCREPANCIES  
BETWEEN R & M STEEL COMPANY'S  
PLANS AND PLANS FOR OTHER TRADES  
R & M STEEL PLANS SHALL GOVERN.  
(SECTION 3.3 AISC CODE OF STANDARD  
PRACTICES, LATEST EDITION)

IT IS THE RESPONSIBILITY OF THE  
BUILDER / CONTRACTOR TO OBTAIN  
APPROPRIATE APPROVALS AND  
NECESSARY PERMITS FROM CITY,  
COUNTY, STATE OR FEDERAL AGENCIES  
AS REQUIRED.

APPROVAL OF R & M STEEL COMPANY'S  
DRAWINGS CONSTITUTES THE BUILDER  
/ CONTRACTOR'S ACCEPTANCE OF R &  
M STEEL COMPANY'S INTERPRETATION  
OF THE PURCHASE ORDER. (SECTION  
4.2.1 AISC CODE OF STANDARD  
PRACTICES, LATEST EDITION)

THE BUILDER / CONTRACTOR OR A/E  
FIRM IS RESPONSIBLE FOR THE  
OVERALL PROJECT. ALL INTERFACE  
AND COMPATIBILITY CONCERNING ANY  
MATERIAL NOT FURNISHED BY R & M  
STEEL COMPANY ARE TO BE  
CONSIDERED AND COORDINATED BY THE  
BUILDER / CONTRACTOR OR A/E FIRM  
UNLESS SPECIFIC DESIGN CRITERIA  
CONCERNING THIS INTERFACE BETWEEN  
MATERIALS IS FURNISHED AS PART OF  
THE PURCHASE ORDER. R & M STEEL  
COMPANY ASSUMPTIONS WILL GOVERN.

THE BUILDER / CONTRACTORS  
RESPONSIBLE FOR SETTING OF ANCHOR  
BOLTS AND ERECTION OF STEEL  
BUILDING COMPONENTS IN ACCORDANCE  
WITH R & M STEEL COMPANY'S  
BUILDING "FOR CONSTRUCTION"  
DRAWINGS. TEMPORARY SUPPORTS OR  
BRACING REQUIRED FOR THE BUILDING  
ERECTION WILL BE THE  
RESPONSIBILITY OF THE ERECTOR TO  
DETERMINE, FURNISH AND INSTALL.  
(SECTION 7.9.1 AISC CODE OF  
STANDARD PRACTICES, LATEST EDITION)

THE DESIGN OF THE ANCHOR BOLT EMBEDMENT  
LENGTH IS THE RESPONSIBILITY OF THE FOUNDATION  
DESIGN ENGINEER. THE LENGTH PROVIDED BY R & M  
STEEL IS AN ESTIMATED LENGTH AND SHOULD BE  
ADJUSTED ACCORDING TO THE FOUNDATION DESIGN.

BUILDING LOADS / DESCRIPTION:

WIDTH: 70 LENGTH: 175 HEIGHT: 25 / 30.83  
ROOF PITCH: 1.0:12 /  
THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED  
AND APPLIED AS REQUIRED BY : OSSC 22 (IBC 21)  
THE CONTRACTOR / BUILDER IS TO CONFIRM THAT THESE LOADS COMPLY  
WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

|                              |       |                             |
|------------------------------|-------|-----------------------------|
| ROOF DEAD LOAD:              | 2.50  | PSF (ROOF PANELS & PURLINS) |
| COLLATERAL LOAD:             | 10.00 | PSF                         |
| ROOF LIVE LOAD:              | 20.00 | PSF                         |
| MIN. UNIFORM ROOF SNOW LOAD: | 25.00 | PSF                         |
| GROUND SNOW LOAD: (Pg)       | 16.00 | PSF                         |
| ROOF SNOW LOAD: (Pf)         | 12.32 | PSF                         |
| BASIC WIND SPEED:            | 108   | MPH                         |
| SEISMIC COEFFICIENT:         | 0.514 |                             |

IMPORTANCE FACTORS:

|            |      |
|------------|------|
| WIND LOAD: | 1.00 |
| SNOW LOAD: | 1.10 |
| SEISMIC:   | 1.25 |

ROOF PANELS:

COLOR: ROOF COLOR

WALL PANELS:

COLOR: WALL COLOR

TRIM COLORS:

|                  |            |
|------------------|------------|
| GABLE:           | TRIM COLOR |
| EAVE:            | TRIM COLOR |
| CORNER:          | TRIM COLOR |
| DOOR & WINDOW:   | TRIM COLOR |
| GUTTER:          | ---        |
| DOWNSPOUTS:      | ---        |
| BASE (OPTIONAL): | WALL COLOR |
| 8" JAMB/HEAD:    | TRIM COLOR |

SOFFIT PANEL:

|            |            |
|------------|------------|
| GABLE EXT: | WALL COLOR |
| EAVE EXT:  | WALL COLOR |
| CANOPY:    |            |

LINER PANEL:

|        |  |
|--------|--|
| LEFT : |  |
| RIGHT: |  |
| FRONT: |  |
| BACK : |  |
| ROOF : |  |

Pf = 0.7 Ce Cf I Pg  
Ce = 1  
Cf = 1.0  
I = 1.1  
Pg = 16.0 PSF  
Pf = 12.32 PSF

EARTHQUAKE DESIGN DATA:

INPUT:  
Occupancy Category: III- High  
Seismic Importance Factor: 1.25  
Mapped Response (Short), Ss: 0.3355  
Mapped Response (1 sec.), S1: 0.1186  
Site Class: d-DEFAULT

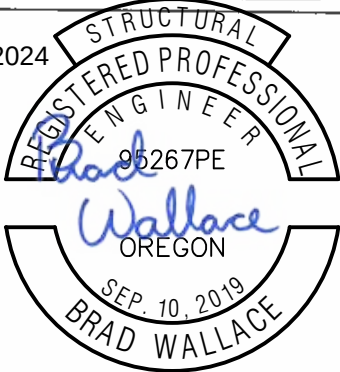
RESULT:  
Seismic Design Category, SDC: C  
Basic Seismic-Force-Resisting Systems: OCBF, OMF  
Analysis Procedure Used: Equivalent Lateral

FORCE:  
Site Coeff (Short), Fa: 1.5316  
Site Coeff (1 sec.), Fv: 2.3628  
Max. Design Response (Short), Sms: 0.5139  
Max. Design Response (1 sec.), Sml: 0.2802  
Design Response (Short), Sds: 0.3426  
Design Response (1 sec.), Sd1: 0.1868  
Approx. Period (Moment), Ta: 0.4017  
Approx. Period (Brace), Tb: 0.2429  
Rigid Frame Deflection Limit (Seis): 67  
Wind Bent Deflection Limit (Seis): 67

DES\_CALC:  
Seismic Forces:  
Roof Bracing: R = 3.0000 Endwall Bracing: R = 3.0000 End Plates, Frame: R = 3.0000  
Rho = 1.0000 Omega = 3.0000 Omega = 3.0000  
Cs = 0.143 Cs = 0.143  
Sidewall Bracing: R = 3.0000 Rigid Frames: R = 3.00 Wind Bent: R = 3.0000  
Omega = 3.0000 Rho = 1.0000 Rho = 1.0000  
Cs = 0.143 Cs = 0.143 Cs = 0.14

Total Base Shear:  
Longitudinal Force, V = 28.63 (k)  
Transverse Force, V = 30.69 (k)

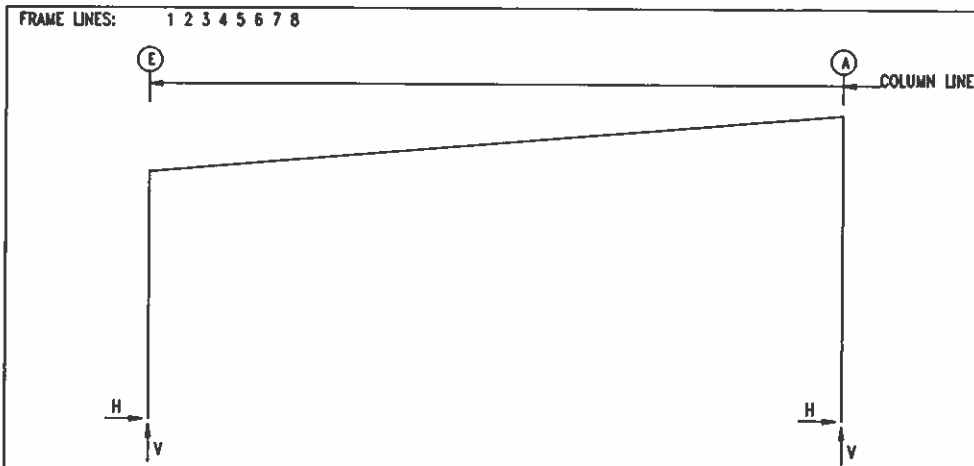
NOV 18 2024



EXPIRES JUN 30 2026



|                                                                        |                 |
|------------------------------------------------------------------------|-----------------|
| R & M STEEL COMPANY                                                    |                 |
| P.O. Box 580<br>Caldwell, Idaho 83606<br>208-454-1800 Fax 208-454-1801 |                 |
| SCALE:                                                                 | JOB LOCATION    |
| DATE: 11/ 7/24                                                         | BAKER CITY, OR  |
| OTEC                                                                   | DRAWN BY<br>RPW |
| APEX ELITE LINE ACADEMY                                                |                 |
| DRAWING NUMBER<br>1 OF 34                                              |                 |



| RIGID FRAME: |          | MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES |           |           |         |           |           |                     |       |                |        |       |            |
|--------------|----------|------------------------------------------------|-----------|-----------|---------|-----------|-----------|---------------------|-------|----------------|--------|-------|------------|
| Frm Line     | Col Line | Column_Reactions(k )                           |           |           |         |           |           | Bolt(In)<br>Qty Dia |       | Base_Plate(in) |        |       | Grout (in) |
|              |          | Load Id                                        | Hmax<br>H | V<br>Vmax | Load Id | Hmin<br>H | V<br>Vmin |                     |       | Width          | Length | Thick |            |
| 1            | E        | 7                                              | 5.6       | 21.9      | 2       | -3.2      | -3.0      | 4                   | 0.750 | 6.000          | 8.625  | 0.500 | 0.0        |
|              |          |                                                |           |           | 1       | -2.9      | -5.4      |                     |       |                |        |       |            |
| 1            | A        | 3                                              | 2.3       | -1.2      | 7       | -5.6      | 22.2      | 4                   | 0.750 | 6.000          | 8.625  | 0.500 | 0.0        |
|              |          | 7                                              | -5.6      | 22.2      | 4       | 0.0       | -3.9      |                     |       |                |        |       |            |

| RIGID FRAME:                                                                  |                            |                      |      |      |         |      |      |                 |       |       |        |       |            |  |
|-------------------------------------------------------------------------------|----------------------------|----------------------|------|------|---------|------|------|-----------------|-------|-------|--------|-------|------------|--|
| MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES                                |                            |                      |      |      |         |      |      |                 |       |       |        |       |            |  |
| THE VERTICAL COMPONENT OF BRACING REACTION IS INCLUDED IN VERTICAL REACTIONS. |                            |                      |      |      |         |      |      |                 |       |       |        |       |            |  |
| Frm Line                                                                      | Col Line                   | Column Reactions (k) |      |      |         |      |      | Base Plate (in) |       |       |        |       |            |  |
|                                                                               |                            | Load Id              | Hmax | V    | Load Id | Hmin | V    | Bolt Qty        | Dia   | Width | Length | Thick | Grout (in) |  |
| 2*                                                                            | E                          | 7                    | 9.1  | 32.6 | 2       | -4.9 | -4.9 | 4               | 0.750 | 6.000 | 10.56  | 0.500 | 0.0        |  |
|                                                                               |                            |                      |      |      | 1       | -4.5 | -8.4 |                 |       |       |        |       |            |  |
| 2*                                                                            | A                          | 3                    | 3.6  | -2.1 | 7       | -9.1 | 33.2 | 4               | 0.750 | 6.000 | 10.75  | 0.500 | 0.0        |  |
|                                                                               |                            | 7                    | -9.1 | 33.2 | 4       | 0.2  | -6.3 |                 |       |       |        |       |            |  |
| 2*                                                                            | Frame lines: 2 3 4 5 6 7 8 |                      |      |      |         |      |      |                 |       |       |        |       |            |  |

RIGID FRAME: BASIC COLUMN REACTIONS (k )

| Frame Line | Column Line | Dead |      | Collateral |      | Live |      | Snow |      | Wind_Left1 |       | Wind_Right1 |      |
|------------|-------------|------|------|------------|------|------|------|------|------|------------|-------|-------------|------|
|            |             | Horz | Vert | Horz       | Vert | Horz | Vert | Horz | Vert | Horz       | Vert  | Horz        | Vert |
| 1          | E           | 0.6  | 2.9  | 1.4        | 5.1  | 2.8  | 11.1 | 1.7  | 6.9  | -5.4       | -11.8 | 2.6         | -4.7 |
| 1          | A           | -0.6 | 3.0  | -1.4       | 5.2  | -2.8 | 11.2 | -1.7 | 6.9  | -1.1       | -8.7  | 4.3         | -8.9 |

| Frame Line | Column Line | Wind_Left2 |      | Wind_Right2 |      | Wind_Long1 |      | Wind_Long2 |      | Seismic_Left |      | Seismic_Right |      |
|------------|-------------|------------|------|-------------|------|------------|------|------------|------|--------------|------|---------------|------|
|            |             | Horz       | Vert | Horz        | Vert | Horz       | Vert | Horz       | Vert | Horz         | Vert | Horz          | Vert |
| 1          | E           | -6.0       | -7.9 | 2.4         | -0.8 | -0.1       | -9.2 | 0.5        | -6.0 | -1.6         | -1.0 | 1.6           | 1.0  |
| 1          | A           | -0.4       | -4.8 | 4.5         | -5.0 | 0.6        | -9.6 | -0.6       | -5.9 | -1.1         | 1.0  | 1.1           | -1.0 |

| Frame Line | Column Line | MIN_SNOW |      |  |  |  |  |  |  |  |  |  |  |
|------------|-------------|----------|------|--|--|--|--|--|--|--|--|--|--|
|            |             | Horz     | Vert |  |  |  |  |  |  |  |  |  |  |
| 1          | E           | 3.5      | 13.9 |  |  |  |  |  |  |  |  |  |  |
| 1          | A           | -3.5     | 14.0 |  |  |  |  |  |  |  |  |  |  |

| Frame Line | Column Line | Dead |      | Collateral |      | Live |      | Snow |      | Wind_Left1 |       | Wind_Right1 |       |
|------------|-------------|------|------|------------|------|------|------|------|------|------------|-------|-------------|-------|
|            |             | Horz | Vert | Horz       | Vert | Horz | Vert | Horz | Vert | Horz       | Vert  | Horz        | Vert  |
| 2*         | E           | 0.9  | 3.8  | 2.4        | 7.8  | 4.7  | 16.8 | 2.9  | 10.4 | -8.5       | -17.9 | 3.5         | -7.0  |
| 2*         | A           | -0.9 | 4.1  | -2.4       | 7.9  | -4.7 | 17.0 | -2.9 | 10.5 | -1.3       | -13.1 | 6.9         | -13.5 |

| Frame Line | Column Line | Wind_Left2 |       | Wind_Right2 |      | Wind_Long1 |       | Wind_Long2 |      | Seismic_Left |      | Seismic_Right |      |
|------------|-------------|------------|-------|-------------|------|------------|-------|------------|------|--------------|------|---------------|------|
|            |             | Horz       | Vert  | Horz        | Vert | Horz       | Vert  | Horz       | Vert | Horz         | Vert | Horz          | Vert |
| 2*         | E           | -9.2       | -11.9 | 3.4         | -1.1 | -0.6       | -14.0 | 0.4        | -9.1 | -2.1         | -1.4 | 2.1           | 1.4  |
| 2*         | A           | -0.5       | -7.3  | 7.0         | -7.6 | 1.3        | -14.6 | -0.7       | -8.9 | -1.5         | 1.4  | 1.5           | -1.4 |

| Frame Line | Column Line | MIN_SNOW |      |  |  |  |  |  |  |  |  |  |  |
|------------|-------------|----------|------|--|--|--|--|--|--|--|--|--|--|
|            |             | Horz     | Vert |  |  |  |  |  |  |  |  |  |  |
| 2*         | E           | 5.8      | 21.0 |  |  |  |  |  |  |  |  |  |  |
| 2*         | A           | -5.8     | 21.3 |  |  |  |  |  |  |  |  |  |  |

2\* Frame lines: 2 3 4 5 6 7 8

WIND BENT REACTIONS

| Loc  | Wall Line | Col Line | Reactions |            |            |            | Bolt | Dia   | Base_Plate(in) |        |       |
|------|-----------|----------|-----------|------------|------------|------------|------|-------|----------------|--------|-------|
|      |           |          | Wind(k)   | Seismic(k) | Seismic(k) | Seismic(k) |      |       | Width          | Length | Thick |
| F_SW | A         | 2        | 2.3       | 6.2        | 3.6        | 9.7        | 4    | 0.750 | 8.000          | 8.750  | 0.750 |
| F_SW | A         | 3        | 2.3       | 6.2        | 3.6        | 9.7        | 4    | 0.750 | 8.000          | 8.750  | 0.750 |
| F_SW | A         | 4        | 2.3       | 6.2        | 3.6        | 9.7        | 4    | 0.750 | 8.000          | 8.750  | 0.750 |
| F_SW | A         | 5        | 2.3       | 6.2        | 3.6        | 9.7        | 4    | 0.750 | 8.000          | 8.750  | 0.750 |
| B_SW | E         | 5        | 2.1       | 4.6        | 3.6        | 7.7        | 4    | 0.750 | 6.000          | 9.000  | 0.500 |
| B_SW | E         | 4        | 2.1       | 4.6        | 3.6        | 7.7        | 4    | 0.750 | 6.000          | 9.000  | 0.500 |
| B_SW | E         | 3        | 2.1       | 4.6        | 3.6        | 7.7        | 4    | 0.750 | 6.000          | 9.000  | 0.500 |
| B_SW | E         | 2        | 2.1       | 4.6        | 3.6        | 7.7        | 4    | 0.750 | 6.000          | 9.000  | 0.500 |

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k )

| Frm Line | Col Line | Dead Vert | Wind Press Horz | Wind Suct Horz | Seis Long Horz |
|----------|----------|-----------|-----------------|----------------|----------------|
| 1        | D        | 0.2       | -3.5            | 3.9            | 0.1            |
| 1        | C        | 0.3       | -4.3            | 4.7            | 0.1            |
| 1        | B        | 0.4       | -5.2            | 5.7            | 0.1            |

| Frm Line | Col Line | Dead Vert | Collat Vert | Live Vert | Snow Vert | Wind_Left1 Horz | Wind_Left1 Vert | Wind_Right1 Horz | Wind_Right1 Vert | Wind_Left2 Horz | Wind_Left2 Vert | Wind_Right2 Horz | Wind_Right2 Vert | Wind Press Horz |
|----------|----------|-----------|-------------|-----------|-----------|-----------------|-----------------|------------------|------------------|-----------------|-----------------|------------------|------------------|-----------------|
| 9        | A        | 0.7       | 1.2         | 3.3       | 2.0       | 0.0             | -3.6            | 0.0              | -3.3             | 0.0             | -2.8            | 0.0              | -2.5             | -2.8            |
| 9        | B        | 1.4       | 3.2         | 6.3       | 3.9       | 0.0             | -4.4            | 0.0              | -8.2             | 0.0             | -2.0            | 0.0              | -5.7             | -5.0            |
| 9        | C        | 1.1       | 2.4         | 4.9       | 3.0       | -4.5            | -11.4           | 0.0              | -2.9             | -4.1            | -8.9            | 0.0              | -0.8             | -4.2            |
| 9        | D        | 1.0       | 2.3         | 4.3       | 2.6       | 0.0             | 5.0             | 2.0              | -9.0             | 0.0             | 6.0             | 2.2              | -7.5             | -3.3            |
| 9        | E        | 0.5       | 0.9         | 2.8       | 1.7       | 0.0             | -2.0            | 0.0              | -4.0             | 0.0             | -1.2            | 0.0              | -3.2             | -1.7            |

| Frm Line | Col Line | Wind Suct Horz | Wind_Long1 Horz | Wind_Long1 Vert | Wind_Long2 Horz | Wind_Long2 Vert | Seis_Left Horz | Seis_Left Vert | Seis_Right Horz | Seis_Right Vert | Seis Long Horz | -MIN_SNOW- Horz | -MIN_SNOW- Vert |
|----------|----------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| 9        | A        | 3.2            | 0.0             | -2.8            | 0.0             | -1.5            | 0.0            | 0.0            | 0.0             | 0.0             | 0.0            | 0.0             | 4.1             |
| 9        | B        | 5.5            | 0.0             | -8.3            | 0.0             | -4.7            | 0.0            | -0.1           | 0.0             | 0.1             | 0.1            | 0.0             | 7.9             |
| 9        | C        | 4.6            | -1.7            | -9.0            | -0.8            | -4.8            | -2.5           | -4.4           | 0.0             | 4.2             | 0.1            | 0.0             | 6.1             |
| 9        | D        | 3.7            | 0.0             | -2.8            | 0.0             | -1.9            | 0.0            | 4.5            | 2.5             | -4.3            | 0.1            | 0.0             | 5.3             |
| 9        | E        | 2.0            | 0.0             | -2.5            | 0.0             | -1.5            | 0.0            | 0.0            | 0.0             | 0.0             | 0.0            | 0.0             | 3.5             |

| Frm Line | Col Line | E2PAT_SL_1- Horz | E2PAT_SL_1- Vert | E2PAT_SL_2- Horz | E2PAT_SL_2- Vert | E2PAT_SL_3- Horz | E2PAT_SL_3- Vert | E2PAT_SL_4- Horz | E2PAT_SL_4- Vert | E2PAT_SL_5- Horz | E2PAT_SL_5- Vert | E2PAT_SL_6- Horz | E2PAT_SL_6- Vert | E2PAT_SL_7- Horz | E2PAT_SL_7- Vert |
|----------|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 9        | A        | 0.0              | 0.3              | 0.0              | 0.0              | 0.0              | 1.1              | 0.0              | 0.7              | 0.0              | -0.1             | 0.0              | 0.0              | 0.0              | 0.0              |
| 9        | B        | 0.0              | 0.0              | 0.0              | 0.0              | 0.0              | 1.0              | 0.0              | 2.0              | 0.0              | 0.9              | 0.0              | 0.0              | 0.0              | 0.0              |
| 9        | C        | 0.0              | 0.0              | 0.0              | 0.0              | 0.0              | -0.2             | 0.0              | 0.9              | 0.0              | 1.8              | 0.0              | 0.6              | 0.0              | -0.1             |
| 9        | D        | 0.0              | 0.0              | 0.0              | -0.1             | 0.0              | 0.1              | 0.0              | -0.2             | 0.0              | 0.5              | 0.0              | 1.5              | 0.0              | 0.7              |
| 9        | E        | 0.0              | 0.0              | 0.0              | 0.3              | 0.0              | 0.0              | 0.0              | 0.0              | 0.0              | 0.0              | 0.0              | 0.5              | 0.0              | 0.9              |

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

| Frm Line | Col Line | Column_Reactions(k ) |            |              |          |             |              | Bolt(In) |       | Base_Plate(In) |        |       | Grout (In) |
|----------|----------|----------------------|------------|--------------|----------|-------------|--------------|----------|-------|----------------|--------|-------|------------|
|          |          | Load Id              | Hmax<br>H  | V<br>Vmax    | Load Id  | Hmin<br>H   | V<br>Vmin    | Qty      | Dia   | Width          | Length | Thick |            |
| 1        | D        | 8<br>6               | 2.3<br>0.0 | 0.1<br>0.2   | 9        | -2.1        | 0.1          | 4        | 0.750 | 6.500          | 6.000  | 0.250 | 0.0        |
| 1        | C        | 8<br>5               | 2.8<br>0.0 | 0.2<br>0.3   | 9        | -2.6        | 0.2          | 4        | 0.750 | 6.500          | 6.000  | 0.250 | 0.0        |
| 1        | B        | 8<br>5               | 3.4<br>0.0 | 0.2<br>0.4   | 9        | -3.1        | 0.2          | 4        | 0.750 | 6.500          | 6.000  | 0.250 | 0.0        |
| 9        | A        | 10<br>7              | 1.9<br>0.0 | -1.7<br>6.0  | 11<br>10 | -1.7<br>1.9 | -1.2<br>-1.7 | 4        | 0.750 | 6.500          | 6.000  | 0.250 | 0.0        |
| 9        | B        | 12<br>7              | 3.3<br>0.0 | -4.1<br>12.5 | 11<br>12 | -3.0<br>3.3 | -4.1<br>-4.1 | 4        | 0.750 | 6.500          | 6.000  | 0.250 | 0.0        |
| 9        | C        | 10<br>7              | 2.8<br>0.0 | -6.2<br>9.6  | 11<br>10 | -2.5<br>2.8 | -4.8<br>-6.2 | 4        | 0.750 | 6.500          | 6.000  | 0.250 | 0.0        |
| 9        | D        | 13<br>14             | 2.2<br>1.7 | -4.8<br>9.9  | 11<br>13 | -2.0<br>2.2 | -1.1<br>-4.8 | 4        | 0.750 | 6.500          | 6.000  | 0.250 | 0.0        |
| 9        | E        | 13<br>7              | 1.2<br>0.0 | -2.1<br>4.9  | 11<br>13 | -1.0<br>1.2 | -1.2<br>-2.1 | 4        | 0.750 | 6.500          | 6.000  | 0.250 | 0.0        |

BUILDING BRACING REACTIONS

| Loc  | Wall Line | Col Line | Reactions(k) |         |         |         | Panel Shear (lb/ft) | Note |
|------|-----------|----------|--------------|---------|---------|---------|---------------------|------|
|      |           |          | Wind         | Seismic | Seismic | Seismic |                     |      |
| L_EW | 1         |          |              |         |         |         | (h)                 |      |
| F_SW | A         | 2,3      |              |         |         |         | (a)                 |      |
| R_EW | 9         | C,D      | 4.5          | 7.8     | 2.5     | 4.4     | (a)                 |      |
| B_SW | E         | 4,5      |              |         |         |         | (a)                 |      |

(a) Wind bent in bay  
(h) Rigid frame at endwall

Reactions for seismic represent shear force, Eh  
Reaction values shown are unfactored

ANCHOR BOLT SUMMARY

| Qty | Locate  | Dia (in) | Type | Proj (in) |
|-----|---------|----------|------|-----------|
| 40  | Jamb    | 1/2"     | GR36 | 1.00      |
| 32  | Endwall | 3/4"     | GR36 | 2.00      |
| 64  | Frame   | 3/4"     | GR36 | 2.00      |
| 32  | WindCol | 3/4"     | GR36 | 2.00      |

NOTES FOR REACTIONS

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:
  - Width (ft) = 70.0
  - Length (ft) = 175.0
  - Eave Height (ft) = 25.0/ 30.8
  - Roof Slope (rise/12) = 1.00
  - Roof Dead Load (psf) = 2.5
  - Wall Dead Load (psf) = 2.0
  - Left Endwall (psf) = 2.0
  - Right Endwall (psf) = 2.0
  - Front Sidewall (psf) = 2.0
  - Back Sidewall (psf) = 2.0
  - Live Load (psf) = 20.0
  - Collateral Load (psf) = 10.0
  - Ground Snow Load (Pg) (psf) = 16.0
  - Roof Snow Load (Pf) (psf) = 12.32
  - Minimum Snow (psf) = 25.0
  - Wind Speed (mph) = 108.0
  - Wind Code = SSC 22 (IBC 21)
  - Exposure = C
  - Closure = Enclosed
  - Internal Wind Coeff = -0.18, +0.18
  - Risk Category = III- High
  - Importance - Wind = 1.00
  - Importance - Seismic = 1.25
  - Seismic Design Category = C
  - Seismic Coeff (Sms) = 0.51
- Loading conditions are:
  - 1 0.6Dead+0.6Wind\_Left1
  - 2 0.6Dead+0.6Wind\_Left2
  - 3 0.6Dead+0.6Wind\_Right2
  - 4 0.6Dead+0.6Wind\_Long1R
  - 5 1.05Dead+1.05Collateral+0.7Seismic\_Right
  - 6 1.03Dead+1.03Collateral+0.53Seismic\_Right
  - 7 Dead+Collateral+MIN\_SNOW
  - 8 0.6Dead+0.6Wind\_Right2+0.6Wind\_Suction
  - 9 0.6Dead+0.6Wind\_Pressure+0.6Wind\_Long2L
  - 10 0.6Dead+0.6Wind\_Left1+0.6Wind\_Suction
  - 11 0.6Dead+0.6Wind\_Pressure+0.6Wind\_Long1L
  - 12 0.6Dead+0.6Wind\_Suction+0.6Wind\_Long1L
  - 13 0.6Dead+0.6Wind\_Right1+0.6Wind\_Suction
  - 14 Dead+Collateral+0.45Wind\_Left2+0.45Wind\_Suction+0.75MIN\_SNOW

Pf = 0.7 Ce Cf | Pg

Ce = 1

Cf = 1.0

I = 1.1

Pg = 16.0 PSF

Pf = 12.32 PSF

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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER

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OREGON

SEP. 10, 2019

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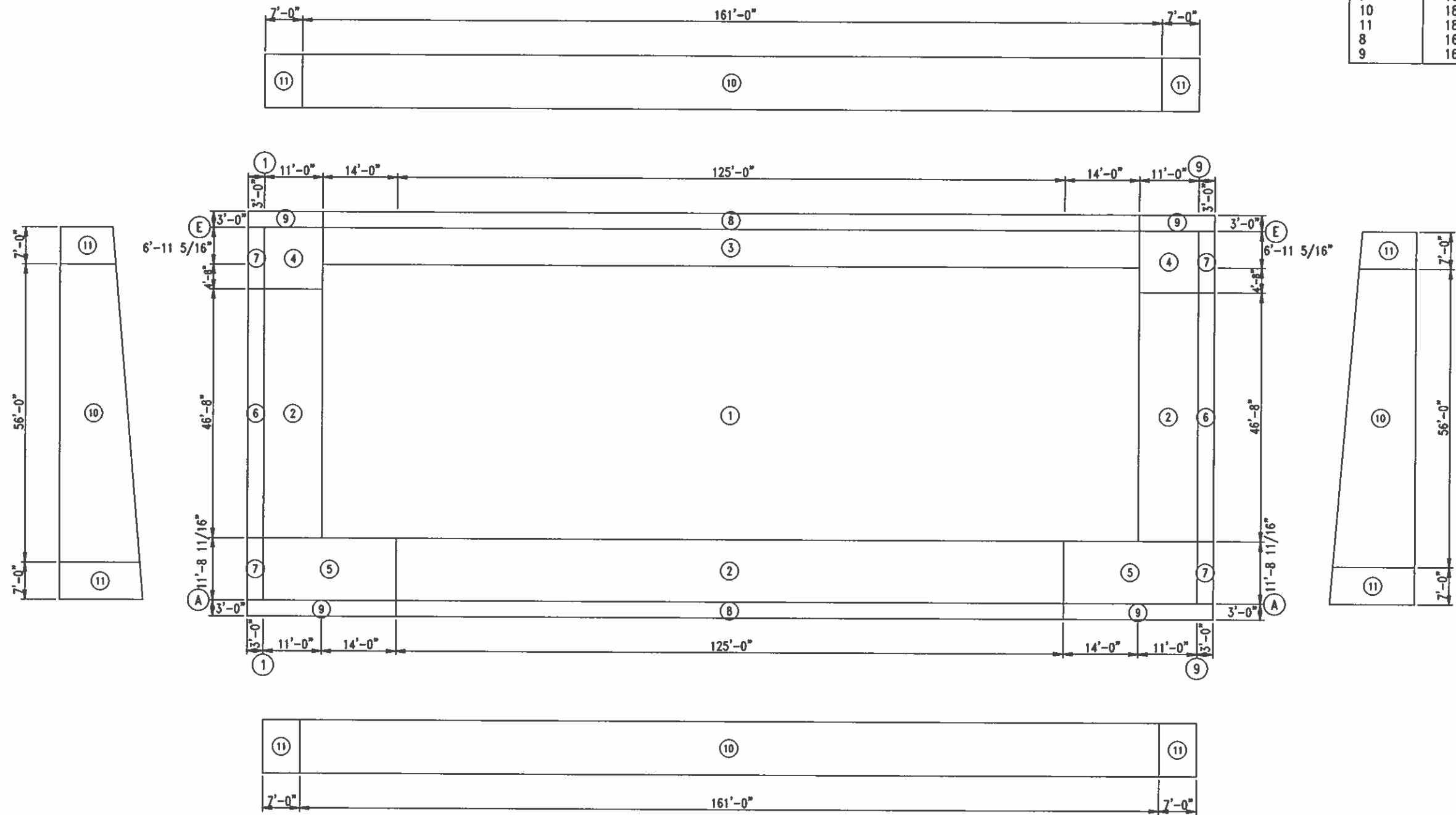
OTEC

DRAWN BY: RPW

APEX ELITE LINE ACADEMY

DRAWING NUMBER: 2 OF 34

| COMPONENTS AND CLADDING (Unfactored) |          |         |          |         |
|--------------------------------------|----------|---------|----------|---------|
| ○ Id                                 | Member   |         | Panel    |         |
|                                      | Pressure | Suction | Pressure | Suction |
| 1                                    | 16.00    | -26.97  | 16.00    | -26.97  |
| 2                                    | 16.00    | -35.33  | 16.00    | -37.49  |
| 3                                    | 16.00    | -29.13  | 16.00    | -31.29  |
| 4                                    | 16.00    | -29.13  | 16.00    | -41.80  |
| 5                                    | 16.00    | -37.49  | 16.00    | -58.52  |
| 6                                    | 16.00    | -43.96  | 16.00    | -48.55  |
| 7                                    | 16.00    | -59.60  | 16.00    | -67.42  |
| 10                                   | 18.40    | -20.29  | 22.75    | -30.34  |
| 11                                   | 18.40    | -21.71  | 22.75    | -30.34  |
| 8                                    | 16.00    | -29.10  | 16.00    | -48.46  |
| 9                                    | 16.00    | -33.47  | 16.00    | -67.36  |



PANEL ZONE LAYOUT  
(Wind Pressures, Unfactored (psf))

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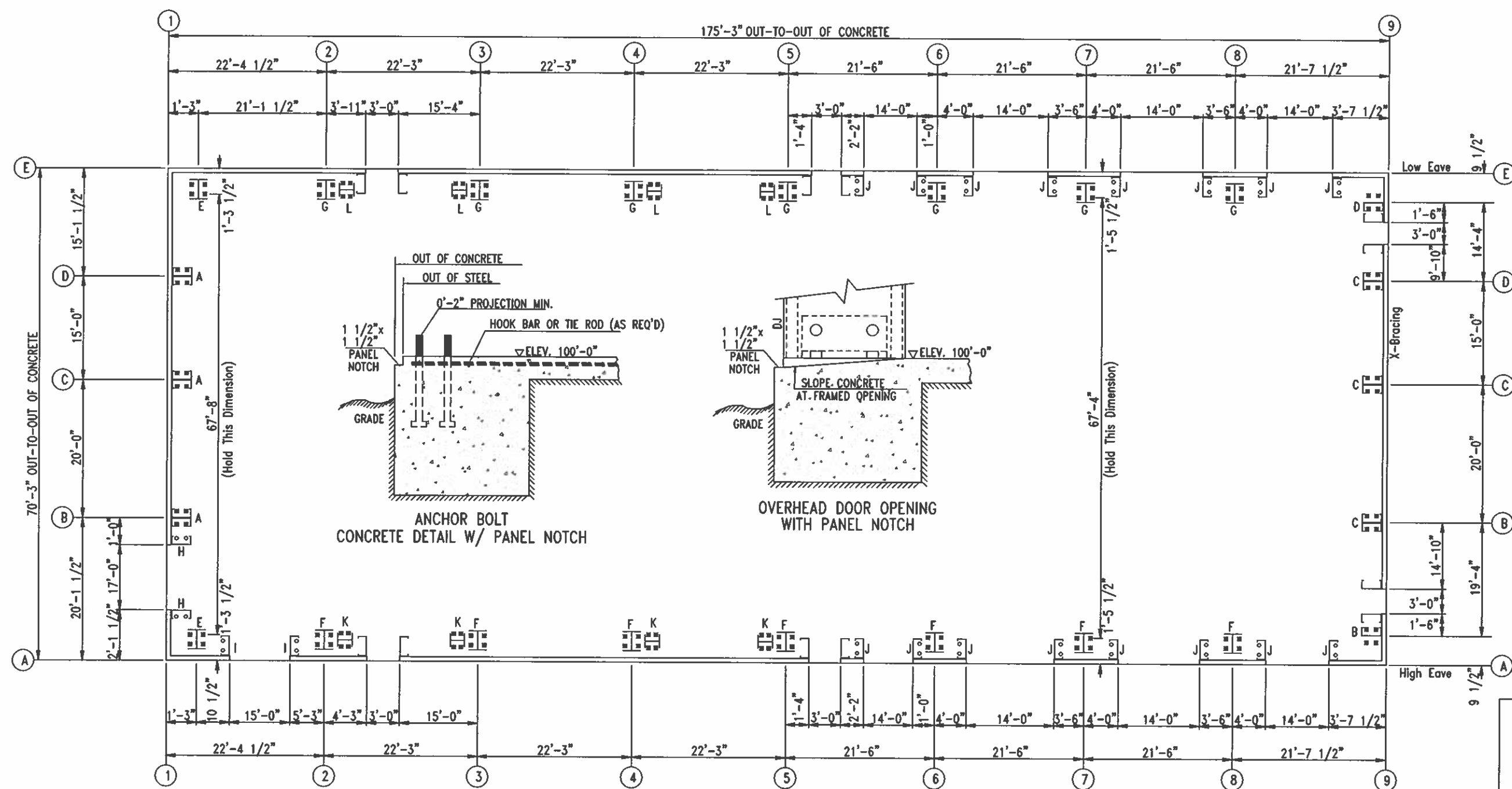
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OTEC DRAWING NUMBER: 3 OF 34

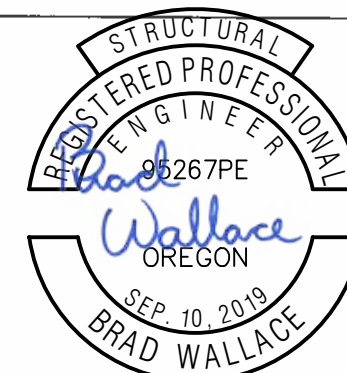
APEX ELITE LINE ACADEMY



ANCHOR BOLT PLAN  
NOTE: All Base Plates @ 100'-0" (U.N.)

○ Dia= 1/2"  
⊗ Dia= 3/4"

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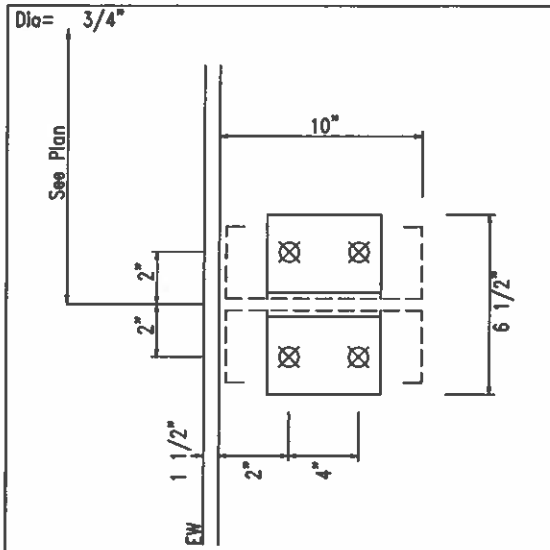
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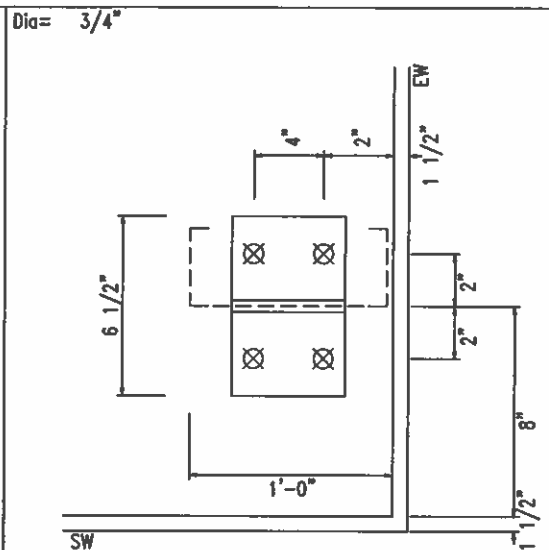
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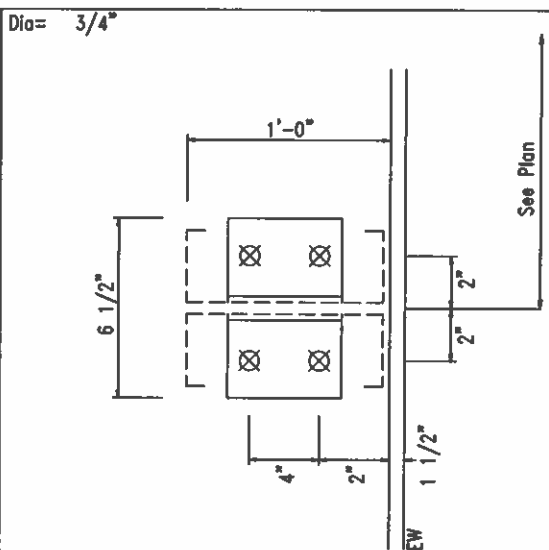




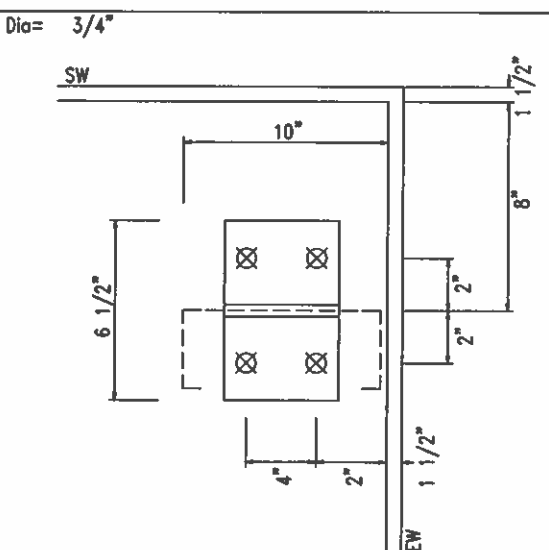
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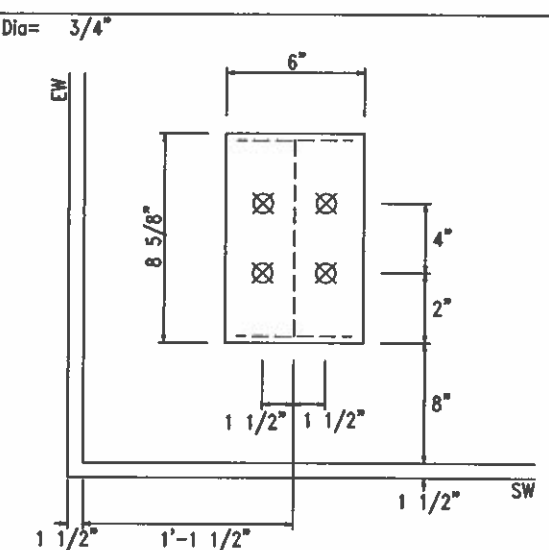
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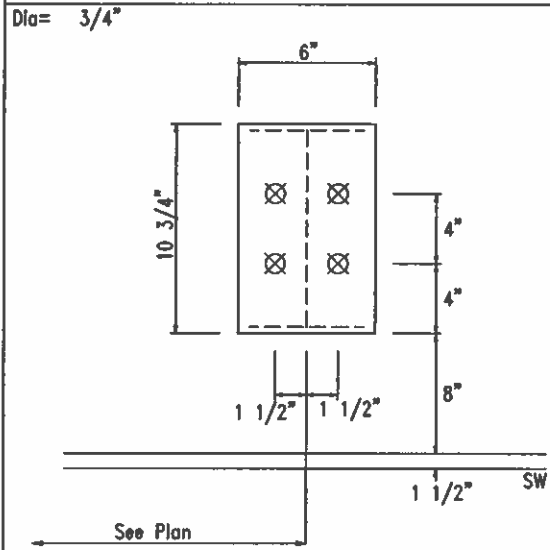
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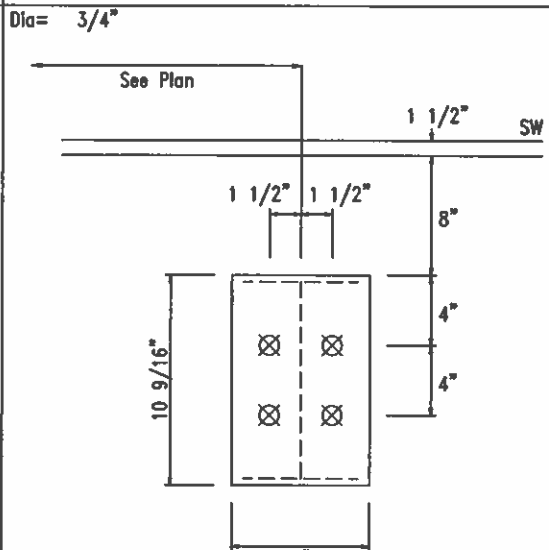
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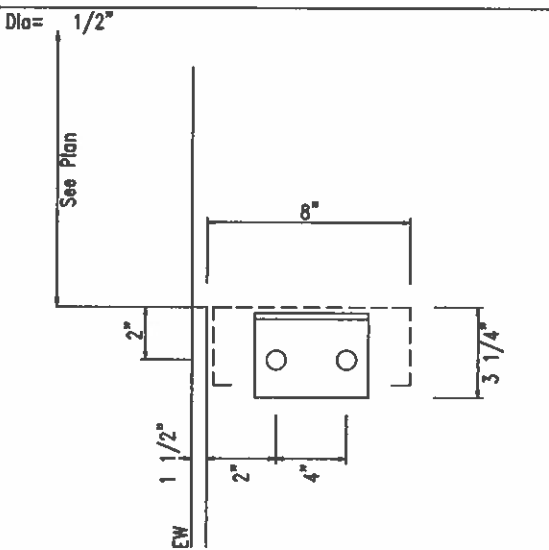
DETAIL E



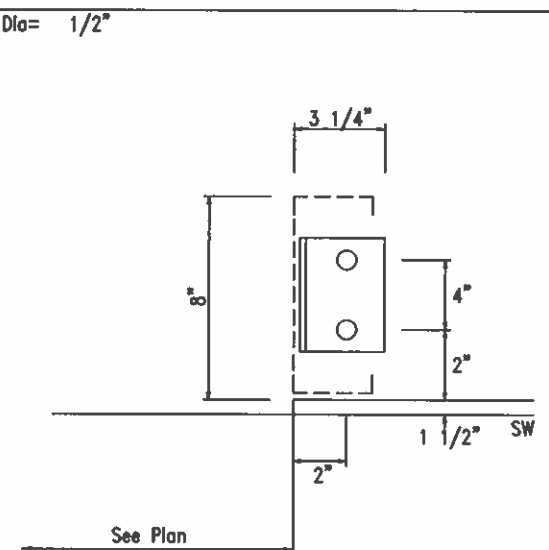
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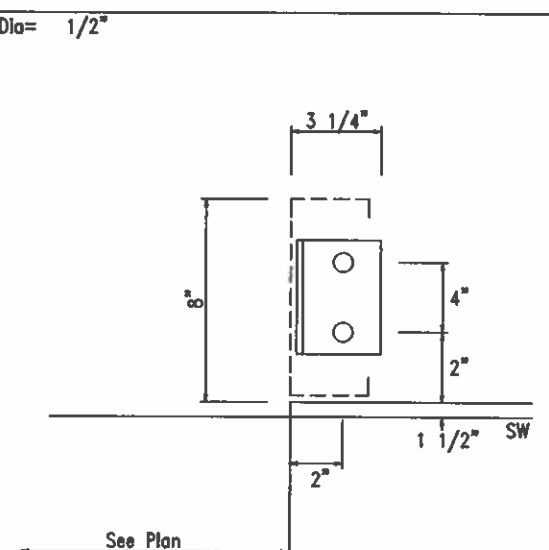
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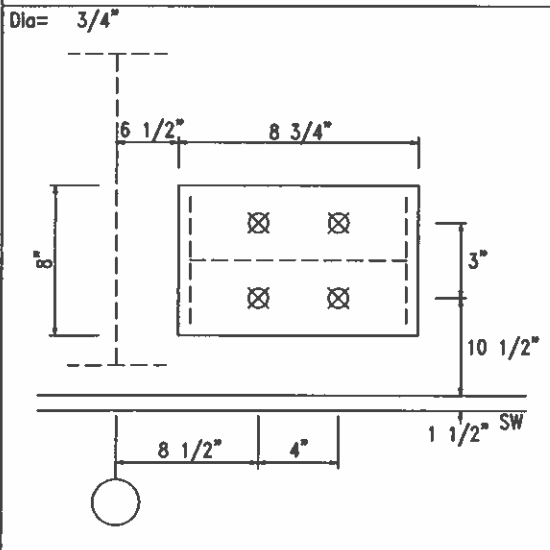
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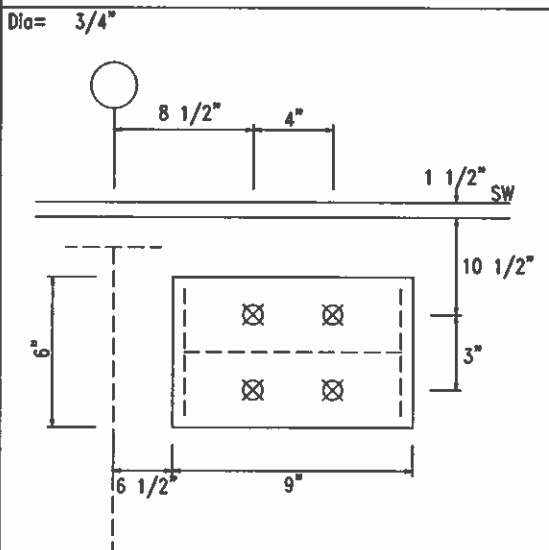
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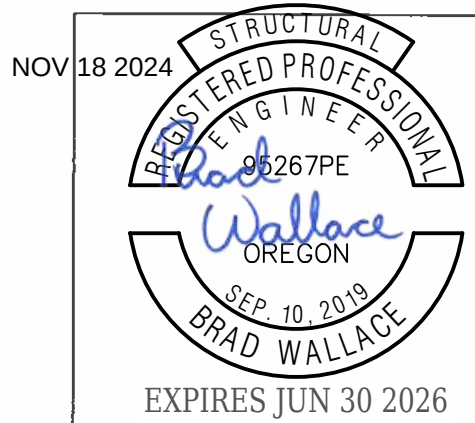
DETAIL J



DETAIL K



DETAIL L



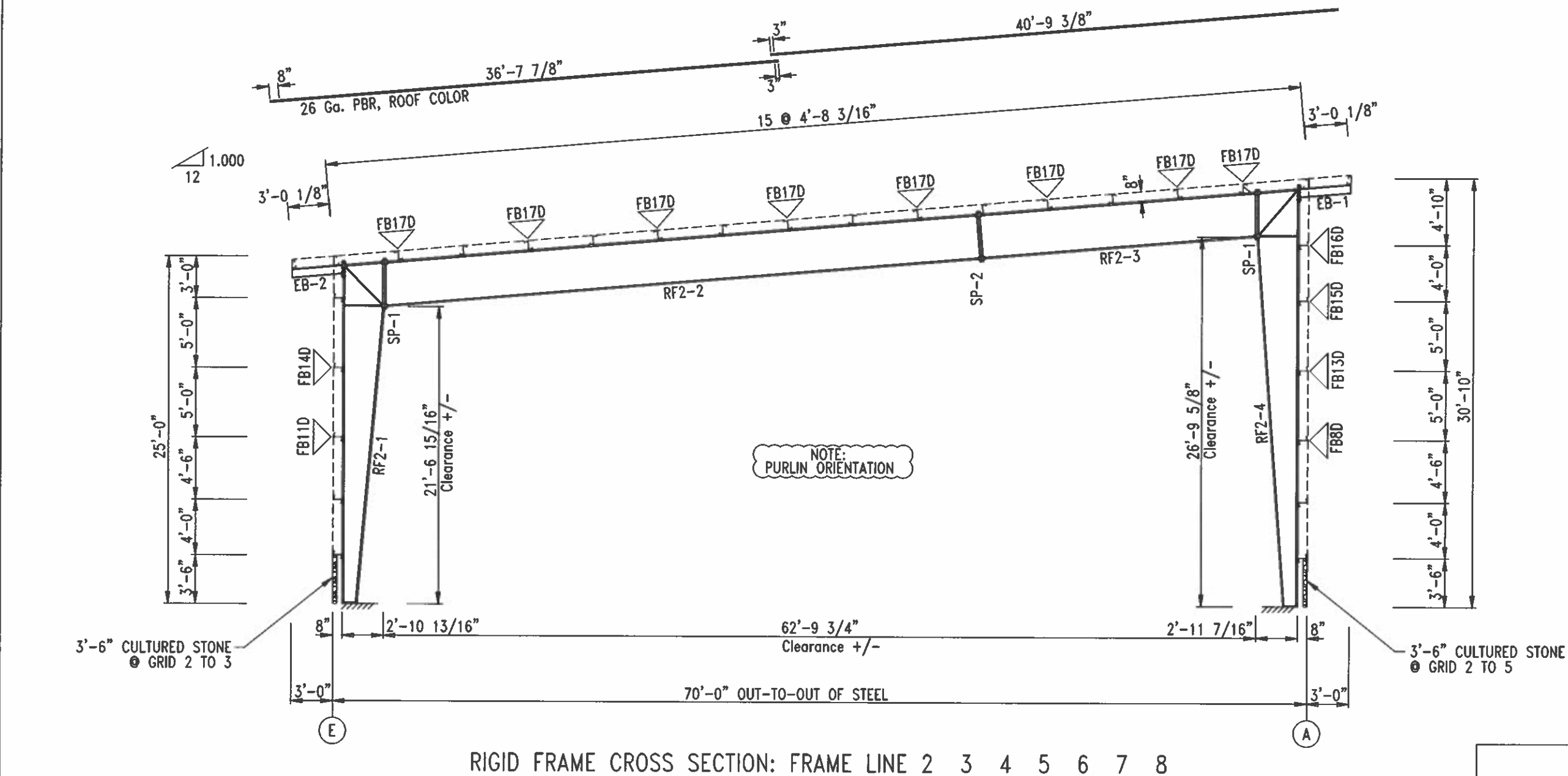
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| APEX ELITE LINE ACADEMY |                | DRAWING NUMBER 5 OF 34        |  |



| SPLICE PLATE & BOLT TABLE |         |         |     |      |       |        |       |       |           |
|---------------------------|---------|---------|-----|------|-------|--------|-------|-------|-----------|
| Mark                      | Qty Top | Qty Bot | Int | Type | Dia   | Length | Width | Thick | Length    |
| SP-1                      | 4       | 4       | 0   | A325 | 0.750 | 2.50   | 6"    | 5/8"  | 3'-7"     |
| SP-2                      | 4       | 4       | 0   | A325 | 0.750 | 2.50   | 6"    | 5/8"  | 3'-6 7/8" |

FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1)  
 D - L2x2x14

| MEMBER TABLE |                     |                 |                  |                                 |                                |
|--------------|---------------------|-----------------|------------------|---------------------------------|--------------------------------|
| Mark         | Web Depth Start/End | Web Plate Thick | Web Plate Length | Outside Flange W x Thk x Length | Inside Flange W x Thk x Length |
| RF2-1        | 10.0/15.2           | 0.150           | 54.8             | 6 x 1/4" x 281.0                | 6 x 5/16" x 256.4              |
|              | 15.2/34.3           | 0.150           | 240.0            | 6 x 1/4" x 34.6                 |                                |
|              | 36.0/36.0           | 0.179           | 36.4             | 6 x 3/8" x 480.0                | 6 x 5/16" x 480.0              |
|              | 36.0/36.0           | 0.179           | 240.0            | 6 x 3/8" x 33.4                 | 6 x 5/16" x 36.4               |
| RF2-3        | 36.0/36.0           | 0.179           | 240.0            | 6 x 3/8" x 240.0                | 6 x 5/16" x 237.0              |
| RF2-4        | 34.7/19.4           | 0.150           | 240.0            | 6 x 3/8" x 35.0                 | 6 x 1/2" x 319.0               |
| EB-1         | 19.4/10.0           | 0.150           | 120.5            | 6 x 1/4" x 349.7                |                                |
| EB-2         | W8x10               |                 |                  |                                 |                                |
| EB-2         | W8x10               |                 |                  |                                 |                                |



RIGID FRAME CROSS SECTION: FRAME LINE 2 3 4 5 6 7 8

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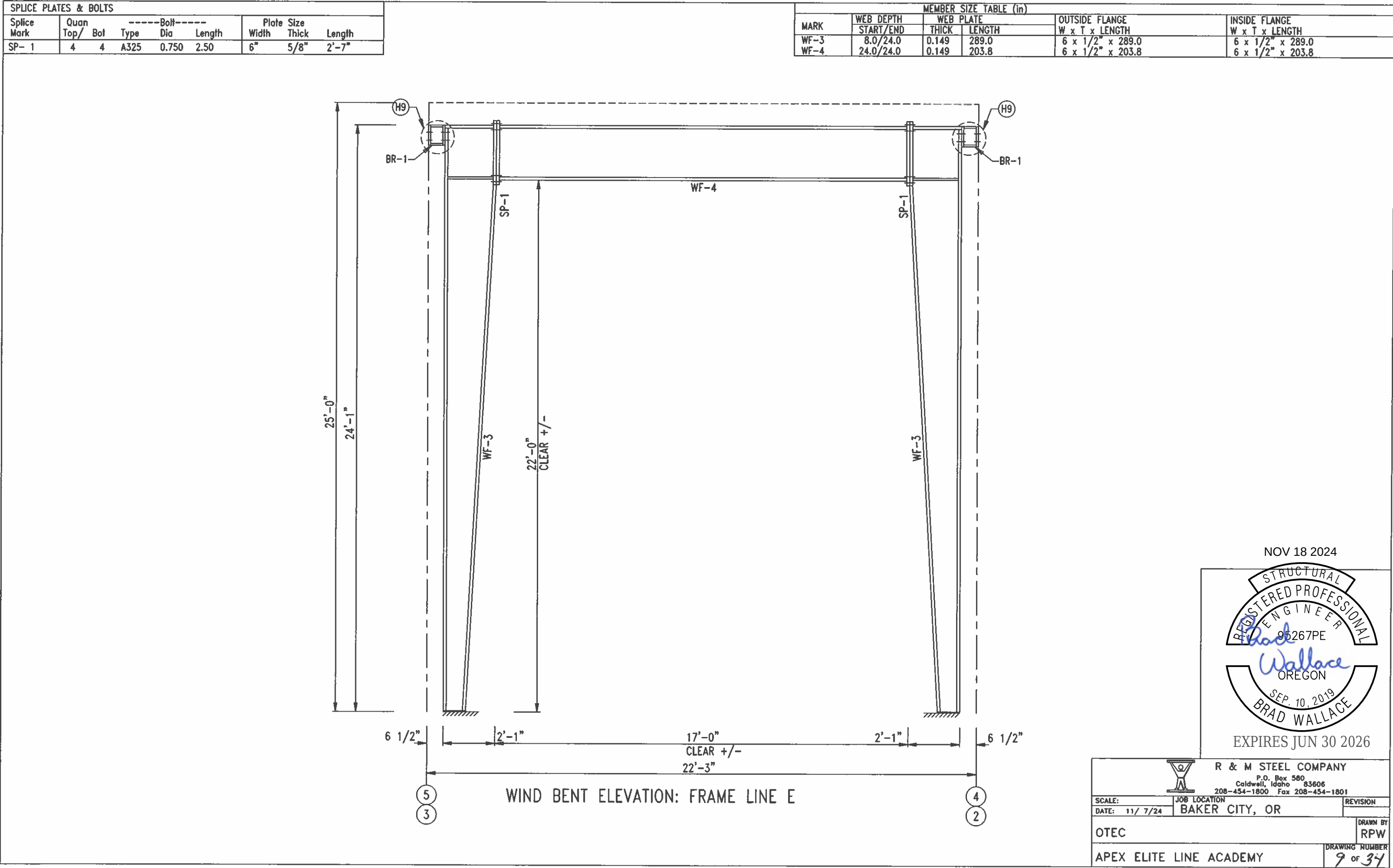
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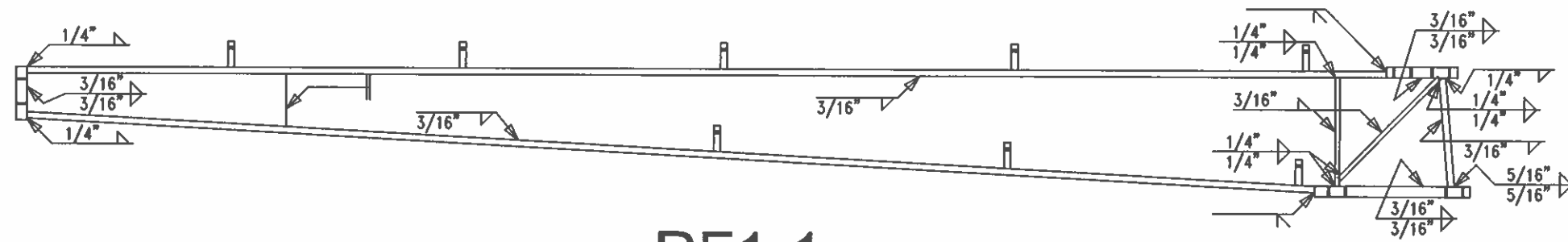
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 OTEC  
 APEX ELITE LINE ACADEMY  
 DRAWN BY: RPW  
 DRAWING NUMBER: 7 OF 34

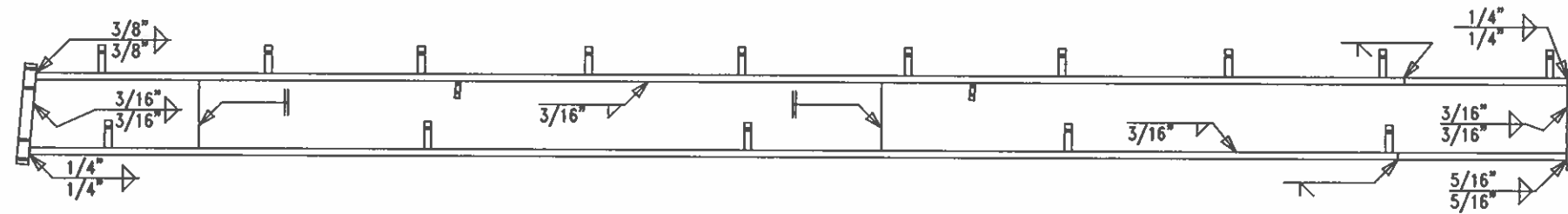




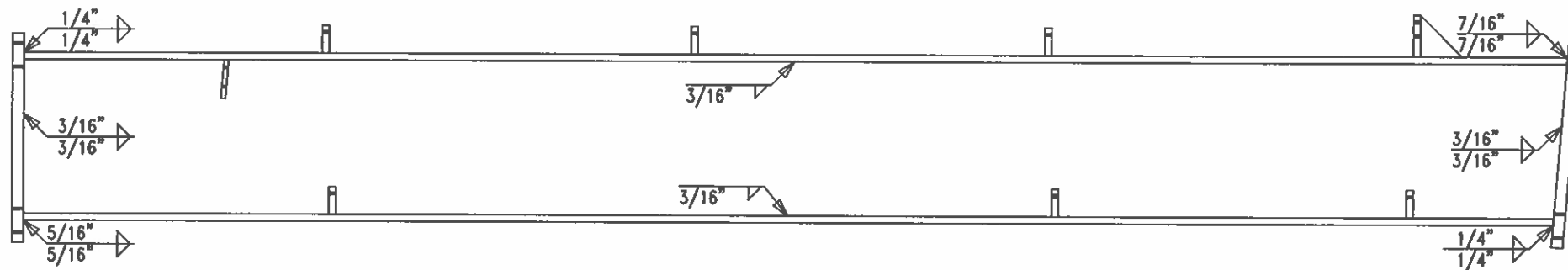




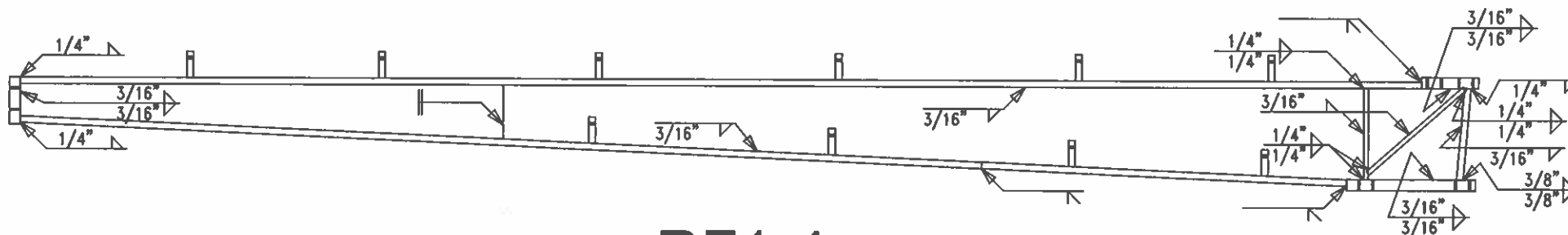
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RF1-2



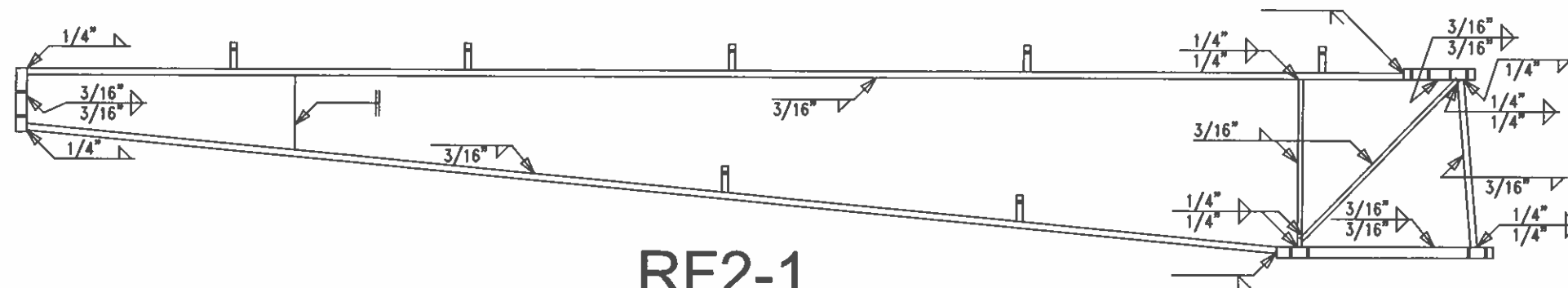
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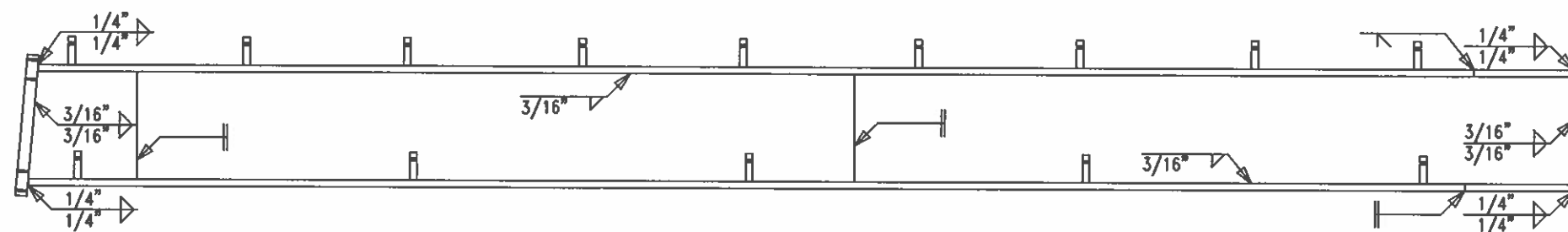
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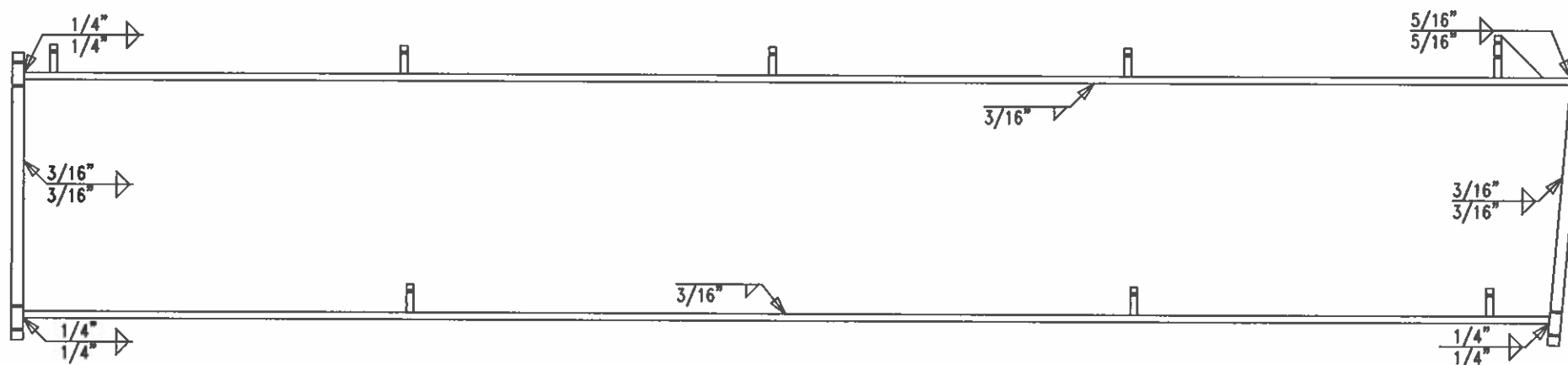
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| APEX ELITE LINE ACADEMY                                                                                                                                                                        |                | DRAWING NUMBER          |  |
|                                                                                                                                                                                                |                | 10 OF 34                |  |



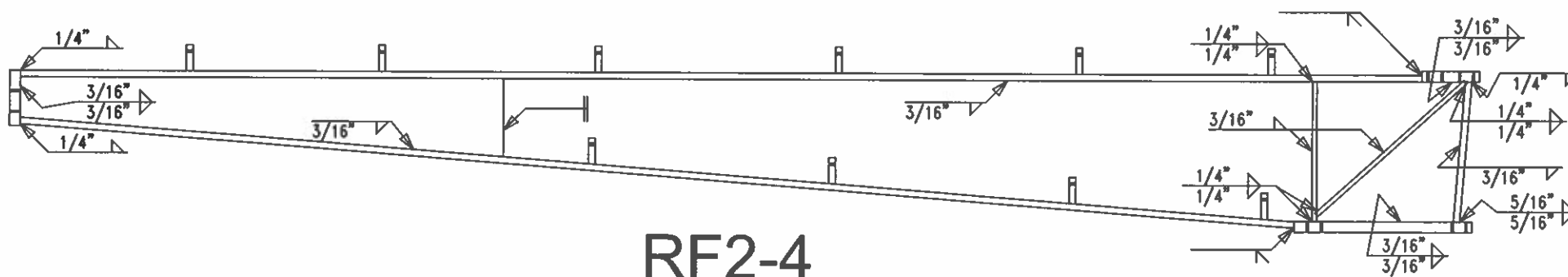
RF2-1



RF2-2



RF2-3



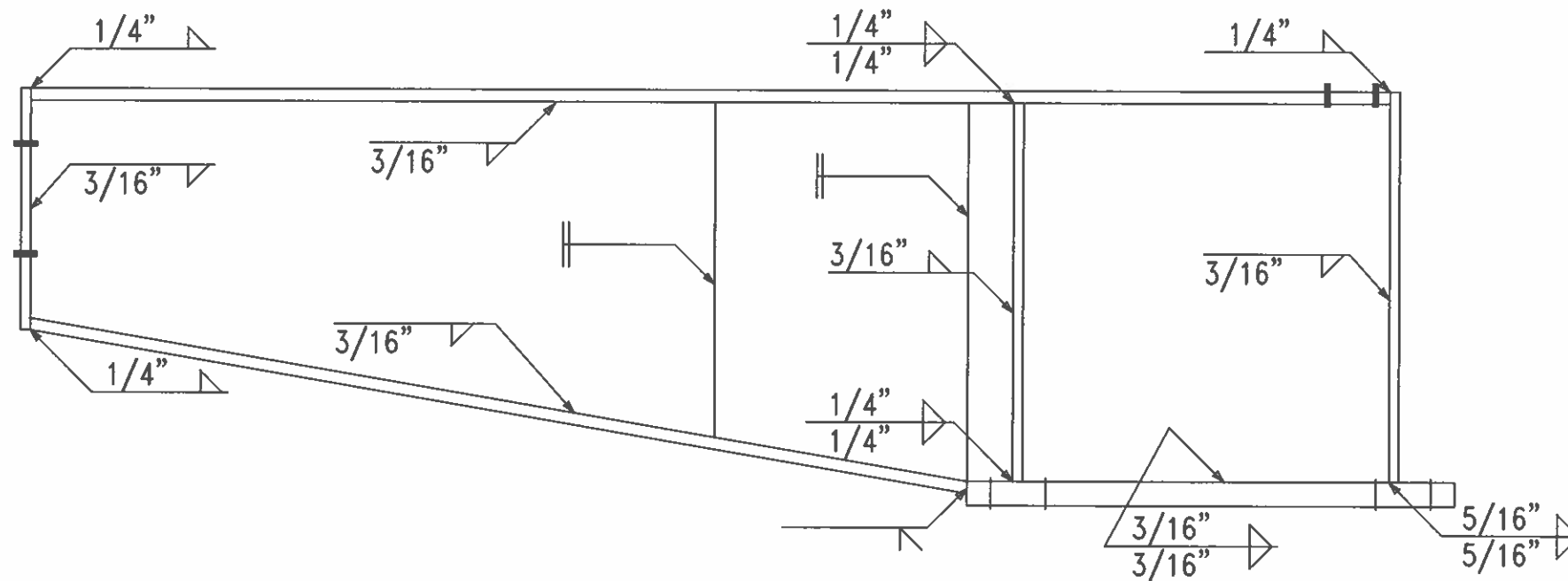
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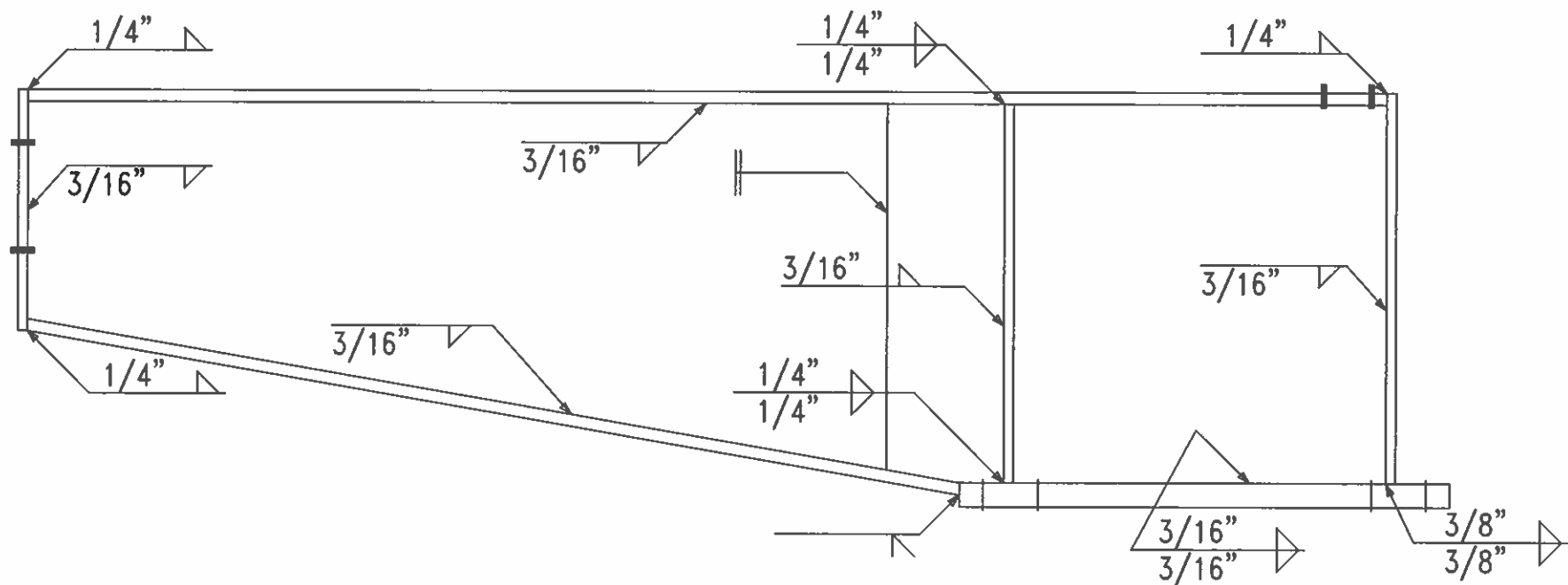
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BRAD WALLACE

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| <b>OTEC</b>                                                                                                                                                                                    |  | <b>DRAWN BY</b><br><b>RPW</b>                |  |
| <b>APEX ELITE LINE ACADEMY</b>                                                                                                                                                                 |  | <b>DRAWING NUMBER</b><br><b>11 OF 34</b>     |  |



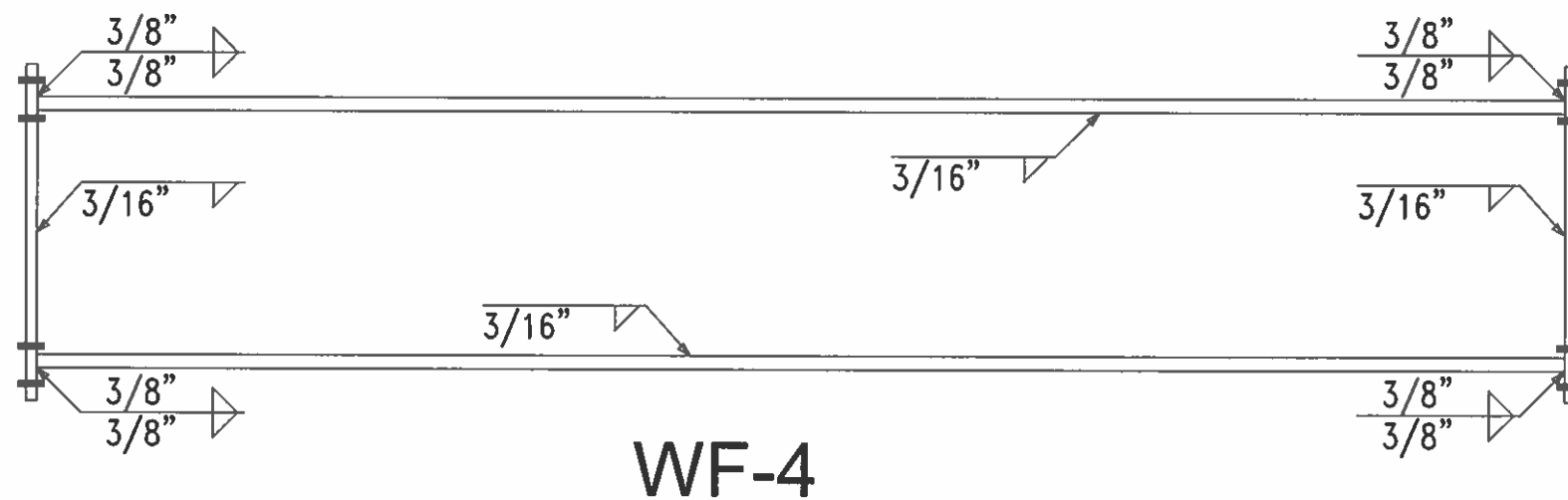
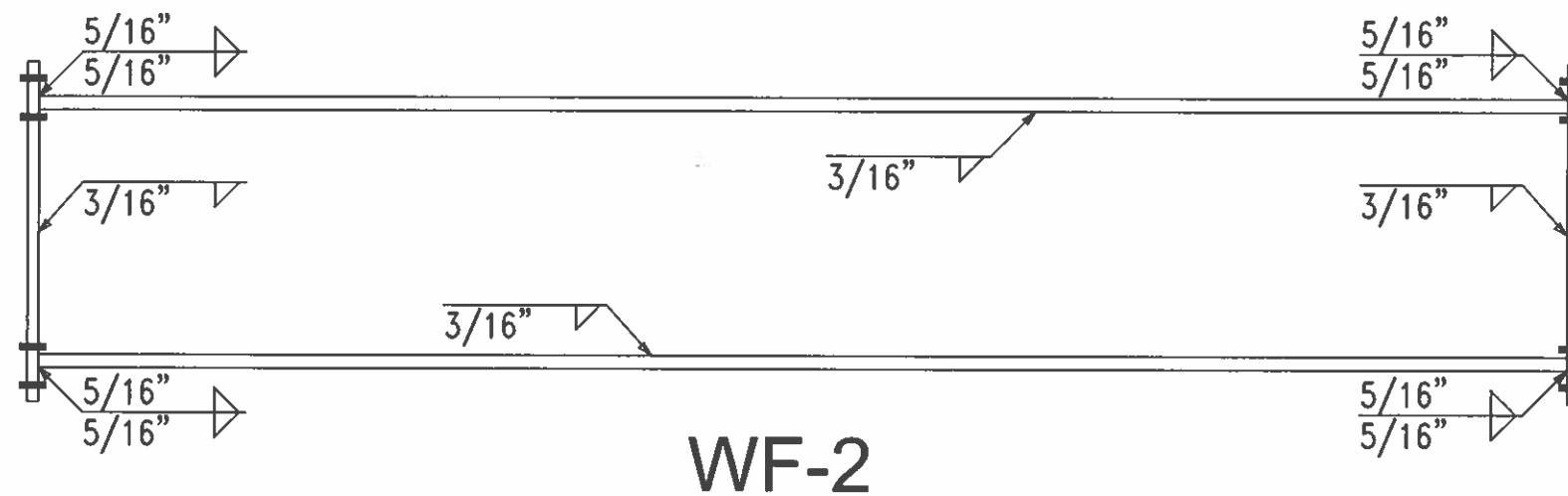
WF-1



WF-3

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| OTEC                                                                                                                                                                                           |  | DRAWN BY<br>RPW               |  | DRAWING NUMBER<br>12 OF 34     |  | APEX ELITE LINE ACADEMY |  |



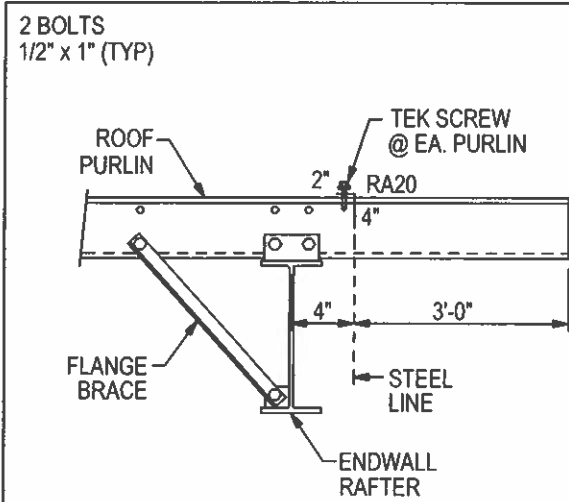
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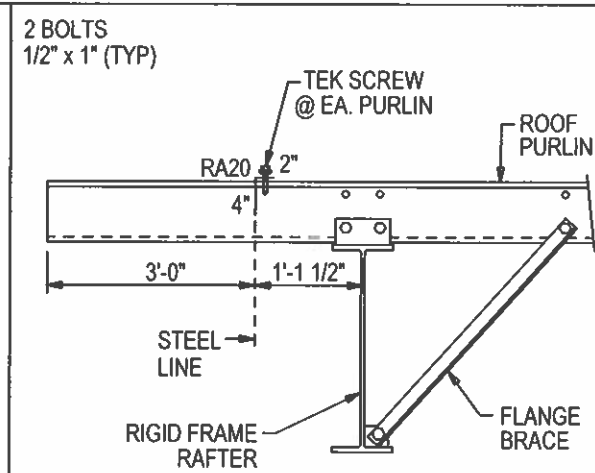
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| OTEC                                                                                                                                                                                           |                | RPW            |  |
| APEX ELITE LINE ACADEMY                                                                                                                                                                        |                | DRAWING NUMBER |  |
|                                                                                                                                                                                                |                | 13 OF 34       |  |

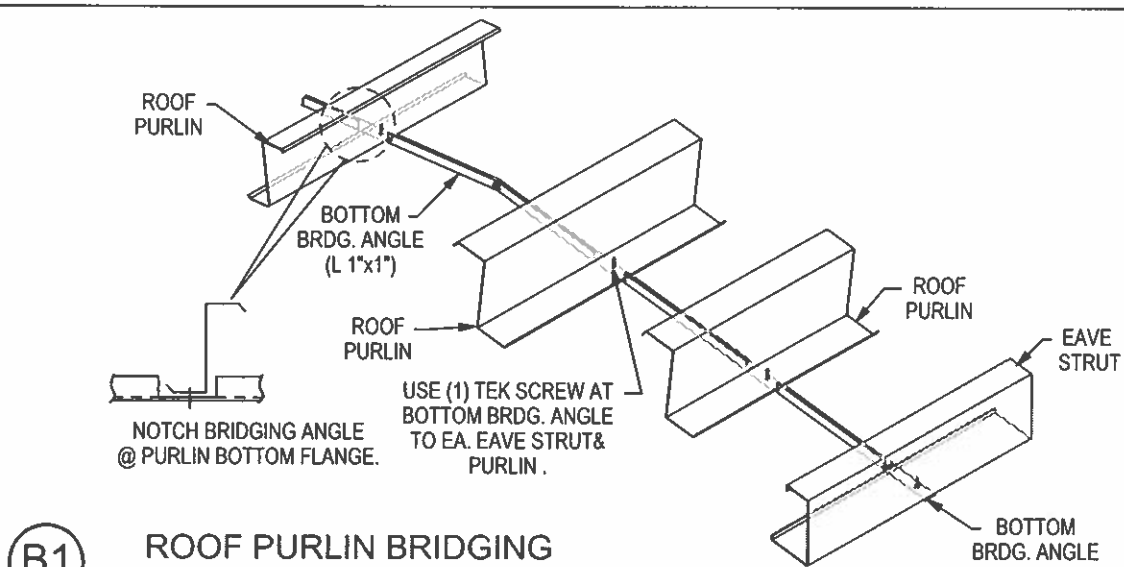




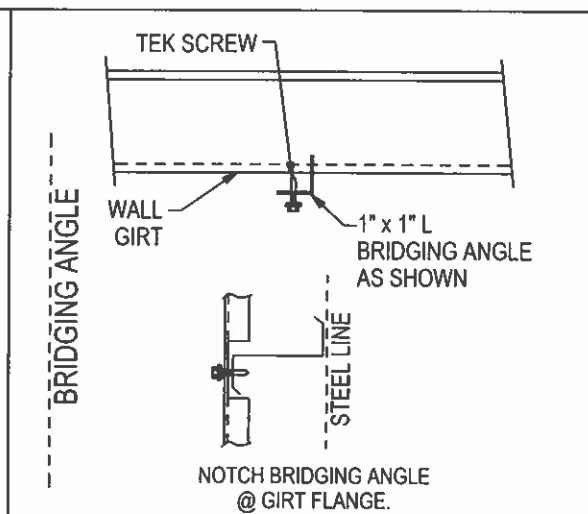
**(A3)** ROOF PURLIN TO P&B ENDWALL



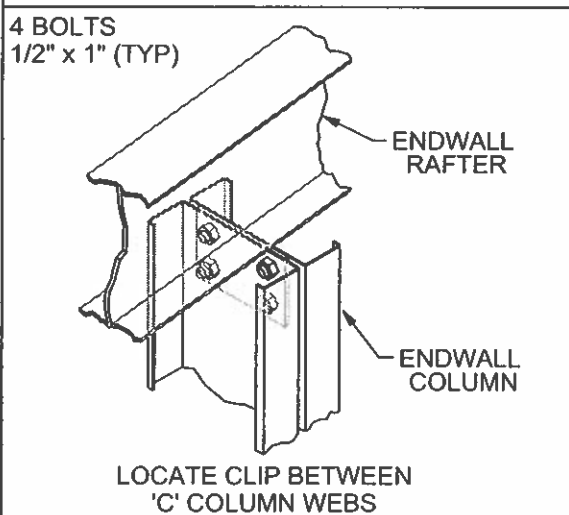
**(A9)** ROOF PURLIN TO RIGID FRAME RAFTER



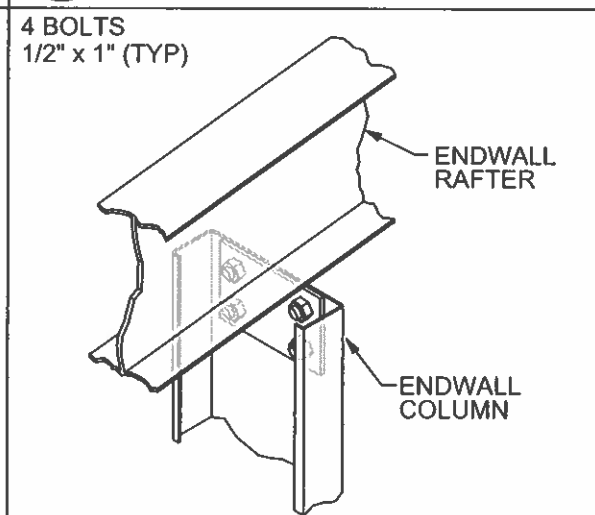
**(B1)** ROOF PURLIN BRIDGING FOR ENERGY SAVER INSULATION



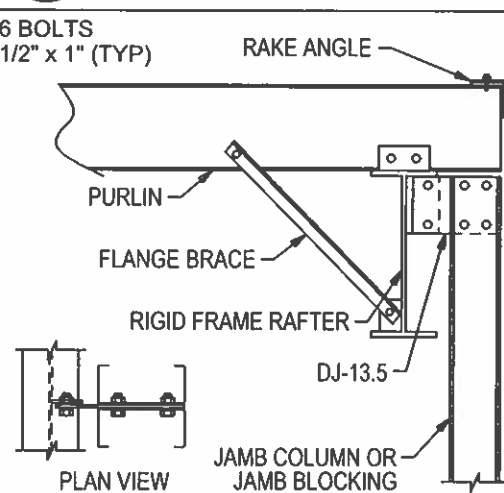
**(B2)** WALL GIRT BRIDGING FOR ENERGY SAVER INSULATION



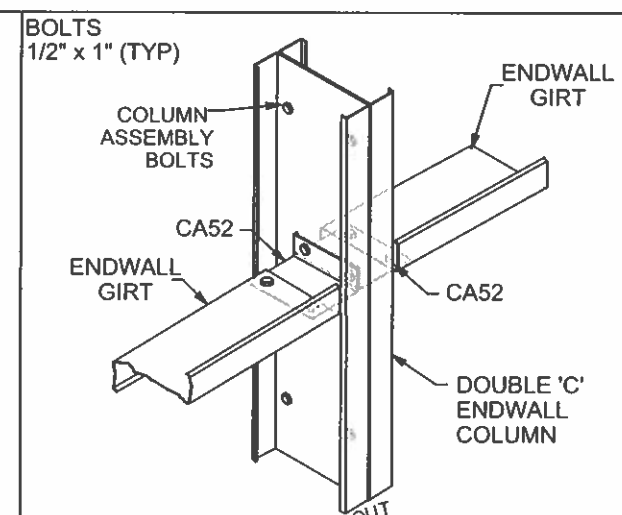
**(B4)** ENDWALL COLUMN TO ENDWALL RAFTER



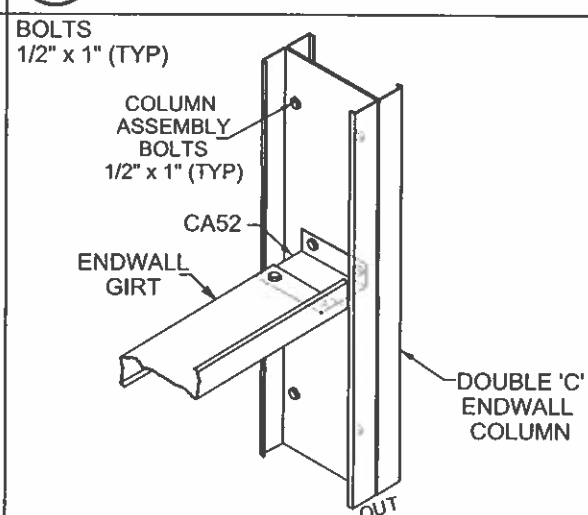
**(B7)** ENDWALL COLUMN TO ENDWALL RAFTER



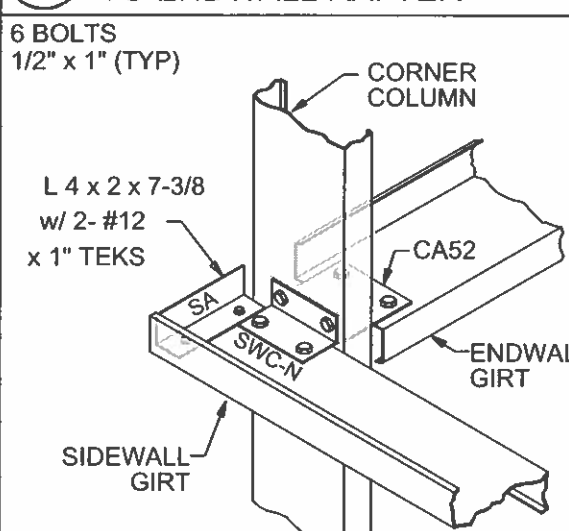
**(B33)** JAMB COL./ JAMB BLOCKING TO RIGID FRAME RAFTER



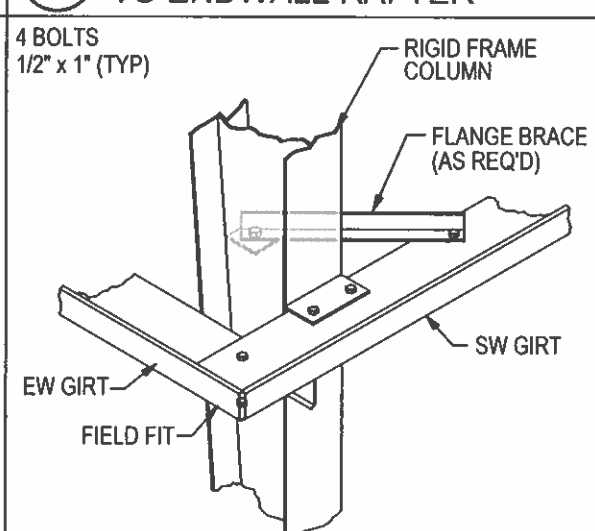
**(C2)** DOUBLE 'C' ENDWALL COLUMN TO WALL GIRTS



**(C3)** DOUBLE 'C' ENDWALL COLUMN TO WALL GIRTS



**(D1)** CORNER COLUMN TO WALL GIRTS



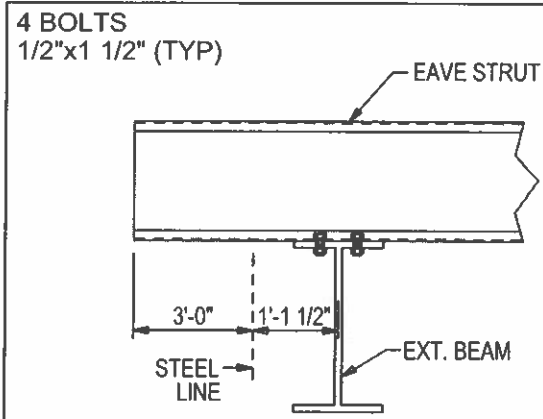
**(D16)** CORNER COLUMN TO WALL GIRTS

NOV 18 2024  
 STRUCTURAL  
 REGISTERED PROFESSIONAL  
 ENGINEER  
 95267PE  
 Brad Wallace  
 OREGON  
 SEP. 10, 2019  
 BRAD WALLACE  
 EXPIRES JUN 30 2026

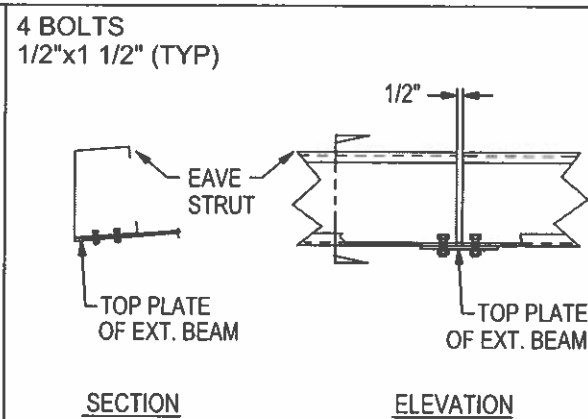
R & M STEEL COMPANY  
 P.O. Box 580  
 Caldwell, Idaho 83606  
 208-454-1800 Fax 208-454-1801

SCALE: DATE: 11/7/24 JOB LOCATION: BAKER CITY, OR REVISION: DRAWN BY: RPW OTEC APEX ELITE LINE ACADEMY DRAWING NUMBER: 14 of 34

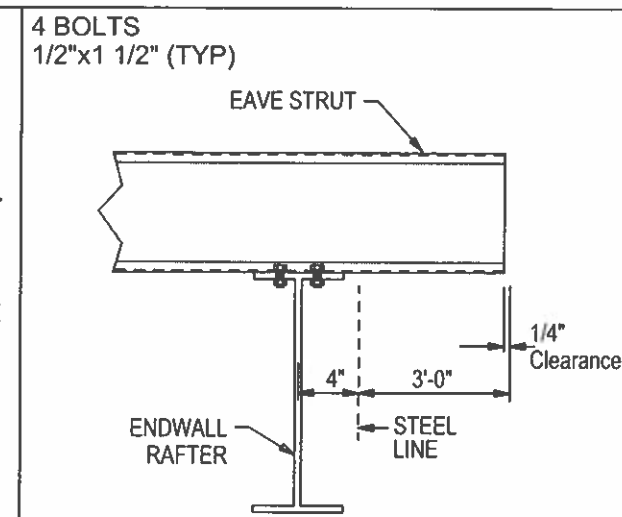
|                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                    |        |              |          |               |                |  |      |  |                 |                         |  |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------|---------------|----------------|--|------|--|-----------------|-------------------------|--|----------------------------|
| <p>4 BOLTS<br/>1/2" x 1" (TYP)</p> <p>ENDWALL 'C' COLUMN<br/>ANCHOR BOLT<br/>2- CA3</p> <p><b>E1</b> EW COLUMN BASE PLATE</p>                                                                                                                                                 | <p>4 BOLTS<br/>1/2" x 1" (TYP)</p> <p>EW COLUMN (DOUBLE 'C')<br/>ANCHOR BOLT<br/>2- CA3</p> <p><b>E2</b> EW COLUMN BASE PLATE</p>                                                                                                              | <p>ENDWALL RAFTER<br/>SEE ENDWALL DRAWING FOR BOLT DIA AND TYPE.<br/>RAFTER SPLICE PLATES</p> <p>ENDWALL RAFTER<br/>SEE ENDWALL DRAWING FOR BOLT DIA AND TYPE.<br/>RAFTER SPLICE PLATES</p> <p><b>F9</b> ENDWALL RAFTER SPLICE</p> | <p>6 BOLTS<br/>1/2" x 1" (TYP)</p> <p>ROOF PURLINS<br/>RAFTER FLANGE BRACE<br/>RF RAFTER</p> <p><b>G1</b> ROOF PURLIN TO INTERIOR RIGID FRAME RAFTER</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>6 BOLTS<br/>1/2" x 1" (TYP)</p> <p>RIGID FRAME COLUMN<br/>FLANGE BRACE (AS REQ'D)<br/>SIDEWALL GIRTS</p> <p><b>H2</b> SIDEWALL GIRT TO INTERIOR FRAME COLUMN</p>                                                                |        |              |          |               |                |  |      |  |                 |                         |  |                            |
| <p>2 BOLTS<br/>1/2" x 1" (TYP)</p> <p>RIGID FRAME COLUMN<br/>DOOR JAMB<br/>2- 1/2" x 1" FLATHEAD BOLTS<br/>CA52<br/>FLANGE BRACE (AS REQ'D)<br/>SIDEWALL GIRT<br/>FLATHEAD BOLTS 1/2" x 1" (TYP)</p> <p><b>H4</b> SIDEWALL GIRT TO INTERIOR FRAME COLUMN &amp; DOOR JAMBS</p> | <p>6 BOLTS<br/>1/2" x 1" (TYP)</p> <p>RIGID FRAME COLUMN<br/>FLANGE BRACE AS REQ'D. (FIELD FIT)<br/>DOOR JAMB<br/>CA52<br/>2 FLATHEAD BOLTS 1/2" x 1" (TYP.)<br/>SIDEWALL GIRT</p> <p><b>H5</b> SIDEWALL GIRT TO COLUMN BETWEEN DOOR JAMBS</p> | <p>6 BOLTS<br/>1/2" x 1" (TYP)</p> <p>RIGID FRAME COLUMN<br/>FLG. BRACE (AS REQ'D.) (FIELD FIT)<br/>2 TEK 5<br/>PORTAL FRAME<br/>SIDEWALL GIRT</p> <p><b>H6</b> SIDEWALL GIRT TO RIGID FRAME WITH PORTAL FRAME</p>                 | <p>8 BOLTS<br/>3/4" x 2" (TYP.)</p> <p>6 1/2"<br/>RIGID FRAME COLUMN<br/>WIND FRAME<br/>BR-1</p> <p><b>H9</b> WIND FRAME TO RIGID FRAME COLUMN</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>4 BOLTS<br/>1/2" x 1" (TYP)</p> <p>RIGID FRAME COLUMN<br/>DOOR JAMB<br/>PORTAL FRAME<br/>CA52<br/>2 FLATHEAD BOLTS 1/2" x 1" (TYP.)<br/>SIDEWALL GIRT</p> <p><b>H10</b> SIDEWALL GIRT TO RIGID FRAME COLUMN &amp; DOOR JAMB</p> |        |              |          |               |                |  |      |  |                 |                         |  |                            |
| <p>8 BOLTS<br/>1/2" x 1" (TYP)</p> <p>RIGID FRAME COLUMN<br/>DOOR JAMB<br/>PORTAL FRAME<br/>CA52<br/>2 FLATHEAD BOLTS 1/2" x 1" (TYP.)<br/>SIDEWALL GIRT</p> <p><b>H11</b> SIDEWALL GIRT TO RIGID FRAME COLUMN &amp; DOOR JAMB</p>                                            | <p>4 BOLTS<br/>1/2" x 1 1/2" (TYP.)</p> <p>TEK SCREW<br/>EAVE STRUT<br/>2" RA20<br/>4"<br/>1/4" Clearance<br/>ENDWALL RAFTER<br/>STEEL LINE</p> <p><b>I8</b> EAVE STRUT TO ENDWALL RAFTER</p>                                                  | <p>4 BOLTS<br/>1/2" x 1 1/2" (TYP.)</p> <p>TEK SCREW<br/>EAVE STRUT<br/>RA20 2"<br/>4"<br/>3'-0" 1'-1 1/2"<br/>TOP PLATE OF EXT. BEAM<br/>STEEL LINE<br/>EXT. BEAM</p> <p><b>I10</b> EAVE STRUT TO EXT. BEAM</p>                   | <div><p>NOV 18 2024</p><p>STRUCTURAL<br/>REGISTERED PROFESSIONAL<br/>ENGINEER<br/>95267PE<br/><i>Brad Wallace</i><br/>OREGON<br/>SEP. 10, 2019<br/>BRAD WALLACE<br/>EXPIRES JUN 30 2026</p></div> <div><p>R &amp; M STEEL COMPANY<br/>P.O. Box 580<br/>Caldwell, Idaho 83606<br/>208-454-1800 Fax 208-454-1801</p></div> <table border="1"><tr><td>SCALE:</td><td>JOB LOCATION</td><td>REVISION</td></tr><tr><td>DATE: 11/7/24</td><td>BAKER CITY, OR</td><td></td></tr><tr><td colspan="2">OTEC</td><td>DRAWN BY<br/>RPW</td></tr><tr><td colspan="2">APEX ELITE LINE ACADEMY</td><td>DRAWING NUMBER<br/>15 OF 34</td></tr></table> |                                                                                                                                                                                                                                    | SCALE: | JOB LOCATION | REVISION | DATE: 11/7/24 | BAKER CITY, OR |  | OTEC |  | DRAWN BY<br>RPW | APEX ELITE LINE ACADEMY |  | DRAWING NUMBER<br>15 OF 34 |
| SCALE:                                                                                                                                                                                                                                                                        | JOB LOCATION                                                                                                                                                                                                                                   | REVISION                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                    |        |              |          |               |                |  |      |  |                 |                         |  |                            |
| DATE: 11/7/24                                                                                                                                                                                                                                                                 | BAKER CITY, OR                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                    |        |              |          |               |                |  |      |  |                 |                         |  |                            |
| OTEC                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                | DRAWN BY<br>RPW                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                    |        |              |          |               |                |  |      |  |                 |                         |  |                            |
| APEX ELITE LINE ACADEMY                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                | DRAWING NUMBER<br>15 OF 34                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                    |        |              |          |               |                |  |      |  |                 |                         |  |                            |



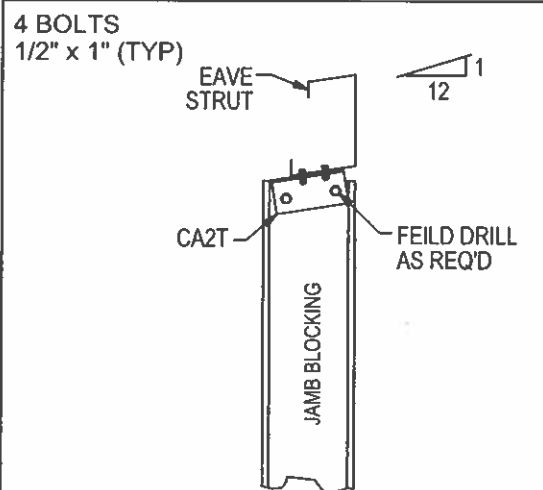
**J6** EAVE STRUT TO EXT. BEAM



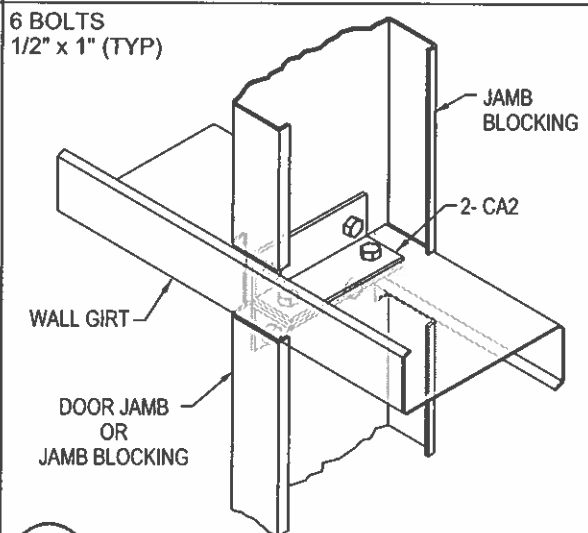
**J7** EAVE STRUT TO EXT. BEAM @ INTERIOR BAYS



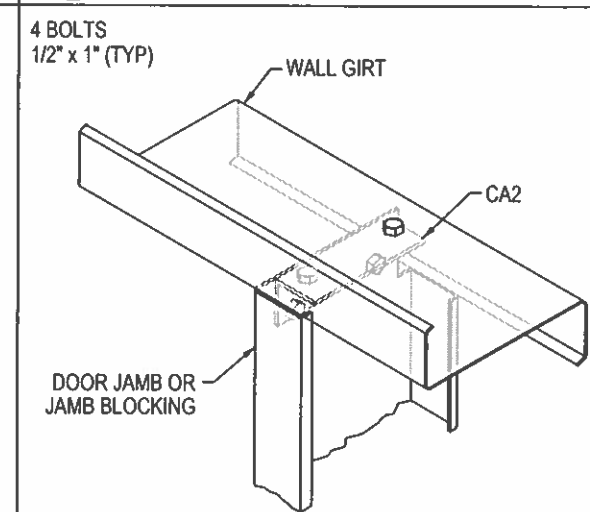
**J8** EAVE STRUT TO ENDWALL RAFTER



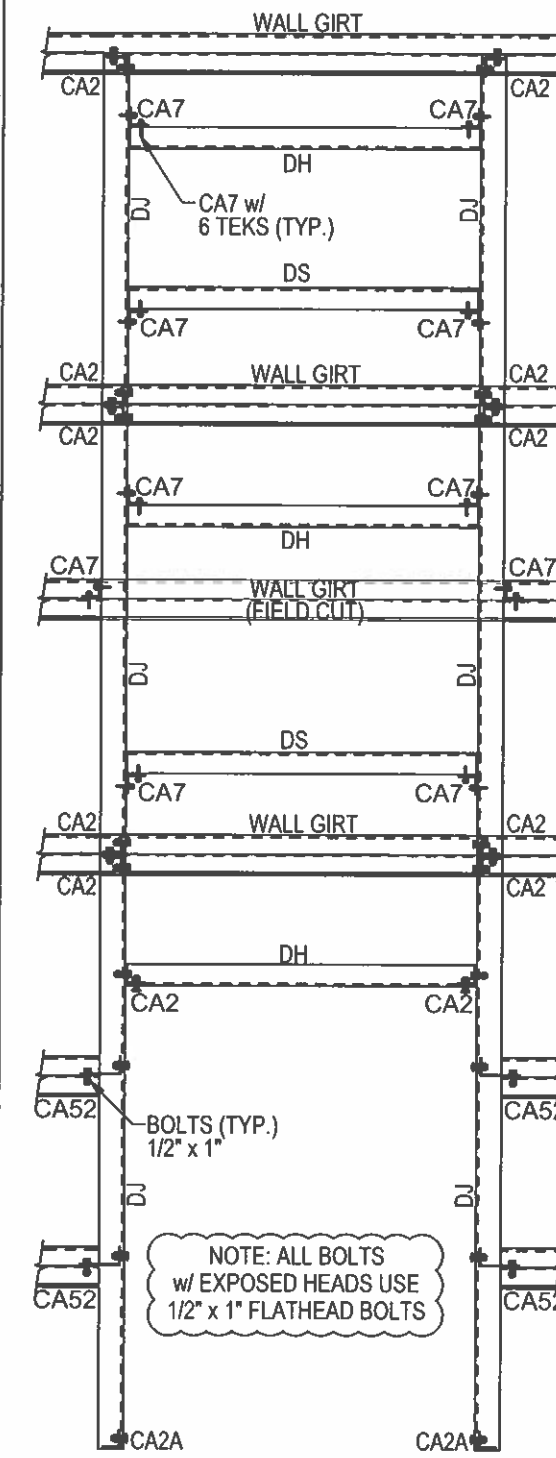
**L5** JAMB BLOCKING TO EAVE STRUT HIGH EAVE



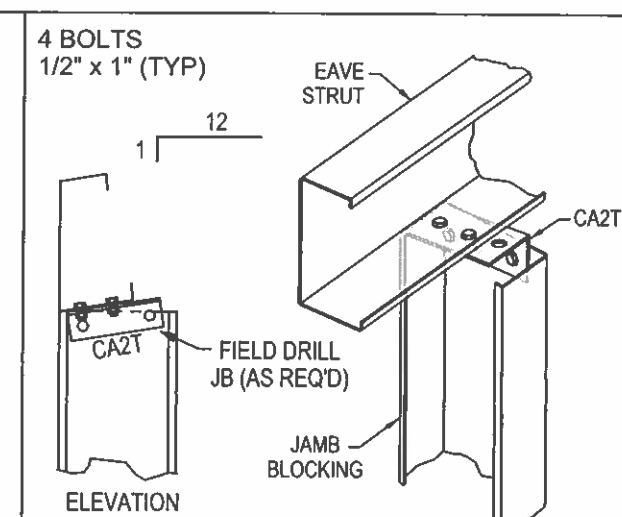
**L6** JAMB BLOCKING & DOOR JAMB TO WALL GIRT



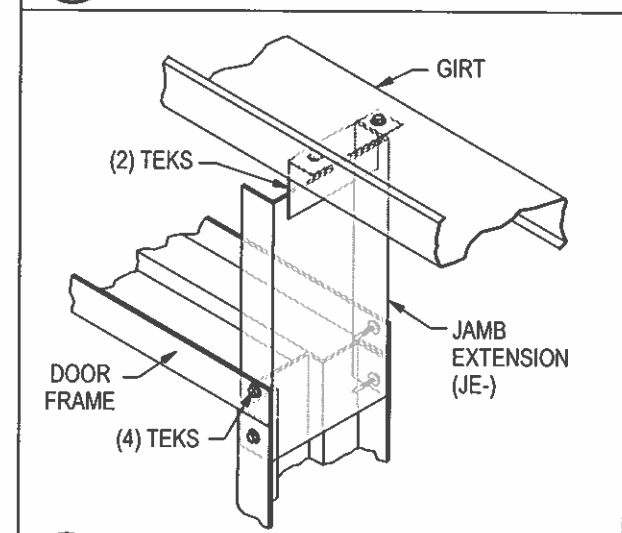
**L7** DOOR JAMB OR JAMB BLOCKING TO WALL GIRT



**M1** FRAMED OPENING DETAIL



**L4** JAMB BLOCKING TO EAVE STRUT



**L8** JAMB EXTENSION

NOV 18 2024

STRUCTURAL  
REGISTERED PROFESSIONAL  
ENGINEER  
95267PE  
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SEP. 10, 2019  
BRAD WALLACE  
EXPIRES JUN 30 2026

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

DATE: 11/7/24

JOB LOCATION: BAKER CITY, OR

REVISION:

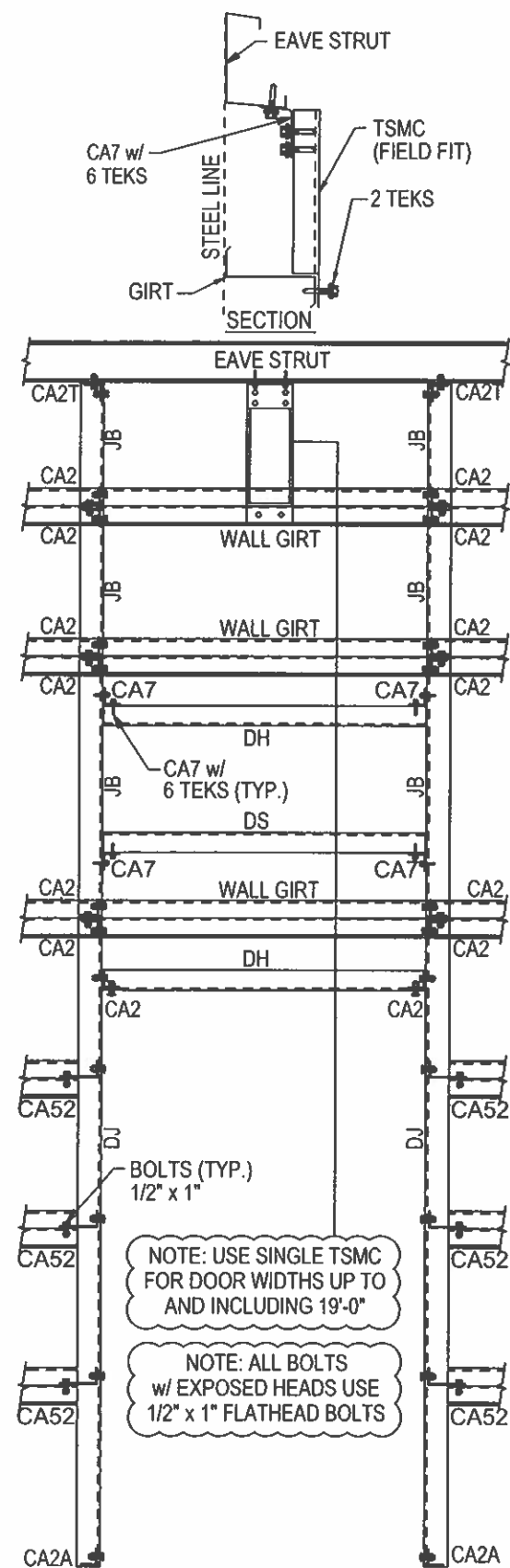
OTEC

DRAWN BY: RPW

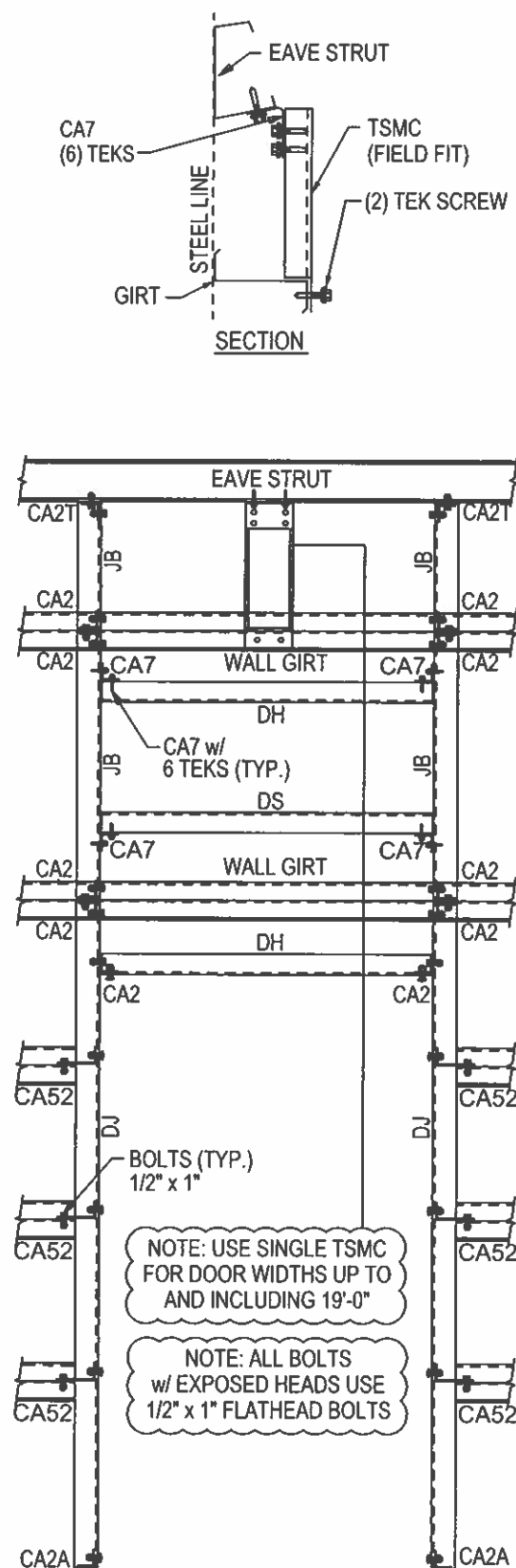
DRAWING NUMBER: 16 OF 34

APEX ELITE LINE ACADEMY



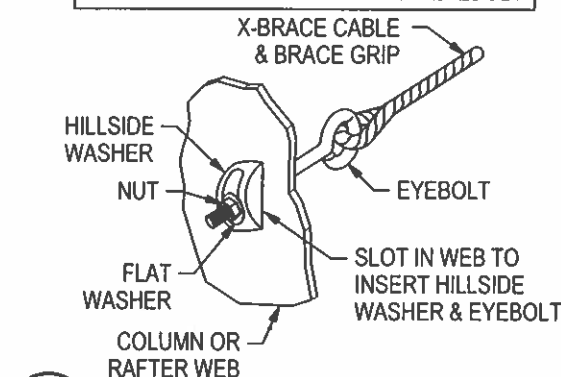


**(M2)** S.S.O.H. DOOR DETAIL



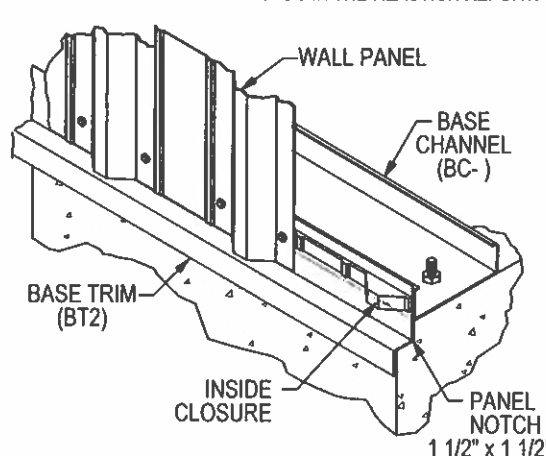
**(M3)** S.S.O.H. DOOR DETAIL

|       |                   |        |         |
|-------|-------------------|--------|---------|
| 5/8"  | E.H.S. CABLE WITH | 1 1/4" | EYEBOLT |
| 1/2"  | E.H.S. CABLE WITH | 7/8"   | EYEBOLT |
| 3/8"  | E.H.S. CABLE WITH | 3/4"   | EYEBOLT |
| 5/16" | E.H.S. CABLE WITH | 5/8"   | EYEBOLT |
| 1/4"  | E.H.S. CABLE WITH | 1/2"   | EYEBOLT |

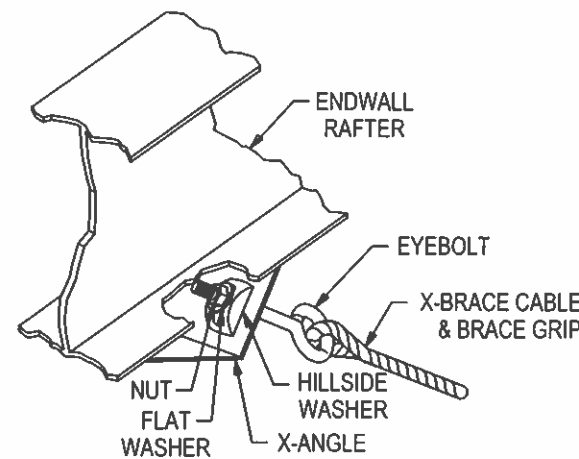


**(Q2)** X-BRACE CABLE & EYEBOLT

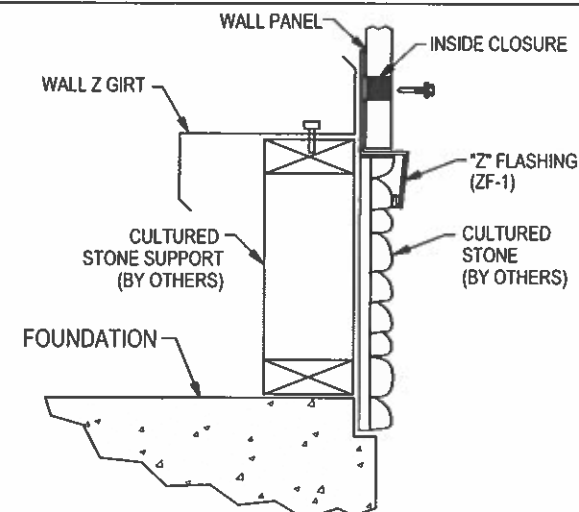
CONCRETE FOUNDATION BY OTHERS, MUST BE ADEQUATE TO SAFELY RESIST THE LOADS IN THE REACTION REPORT.



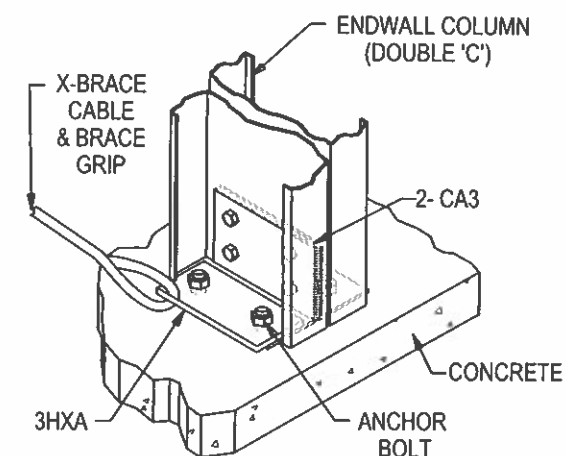
**(T2)** SECTION THRU WALL PANEL AND CONCRETE FOUNDATION



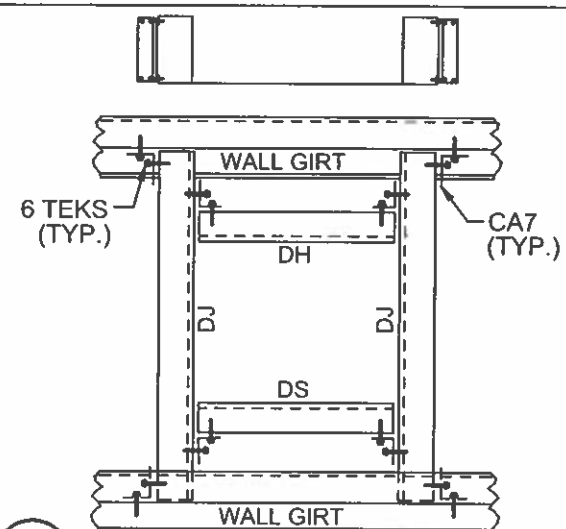
**(Q4)** DIAGONAL CABLE, EYEBOLT END



**(T4)** SECTION THRU WALL PANEL AND CONCRETE FOUNDATION

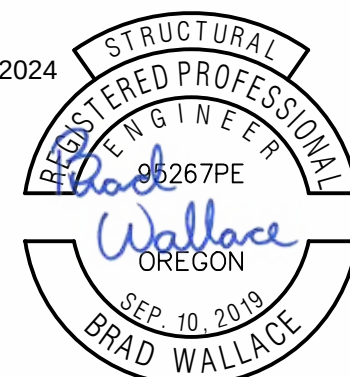


**(Q5)** 3HXA & 2-CA3 @ ENDWALL COLUMN



**(W1)** WINDOW F.O. DETAIL

NOV 18 2024

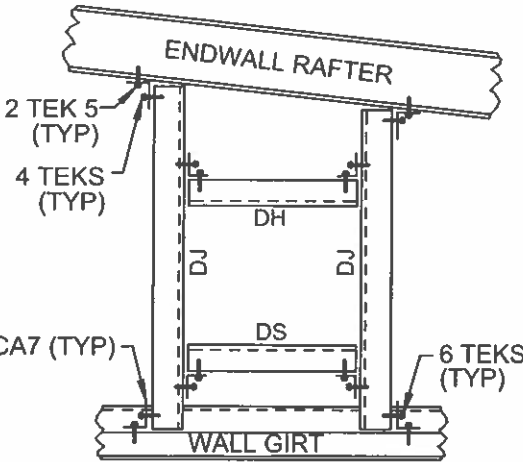
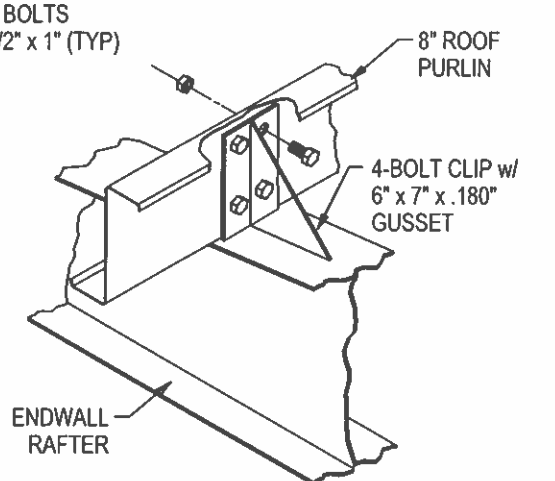


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|                         |                            |          |
|-------------------------|----------------------------|----------|
| SCALE                   | JOB LOCATION               | REVISION |
| DATE: 11/7/24           | BAKER CITY, OR             |          |
| OTEC                    | DRAWN BY<br>RPW            |          |
| APEX ELITE LINE ACADEMY | DRAWING NUMBER<br>17 OF 34 |          |

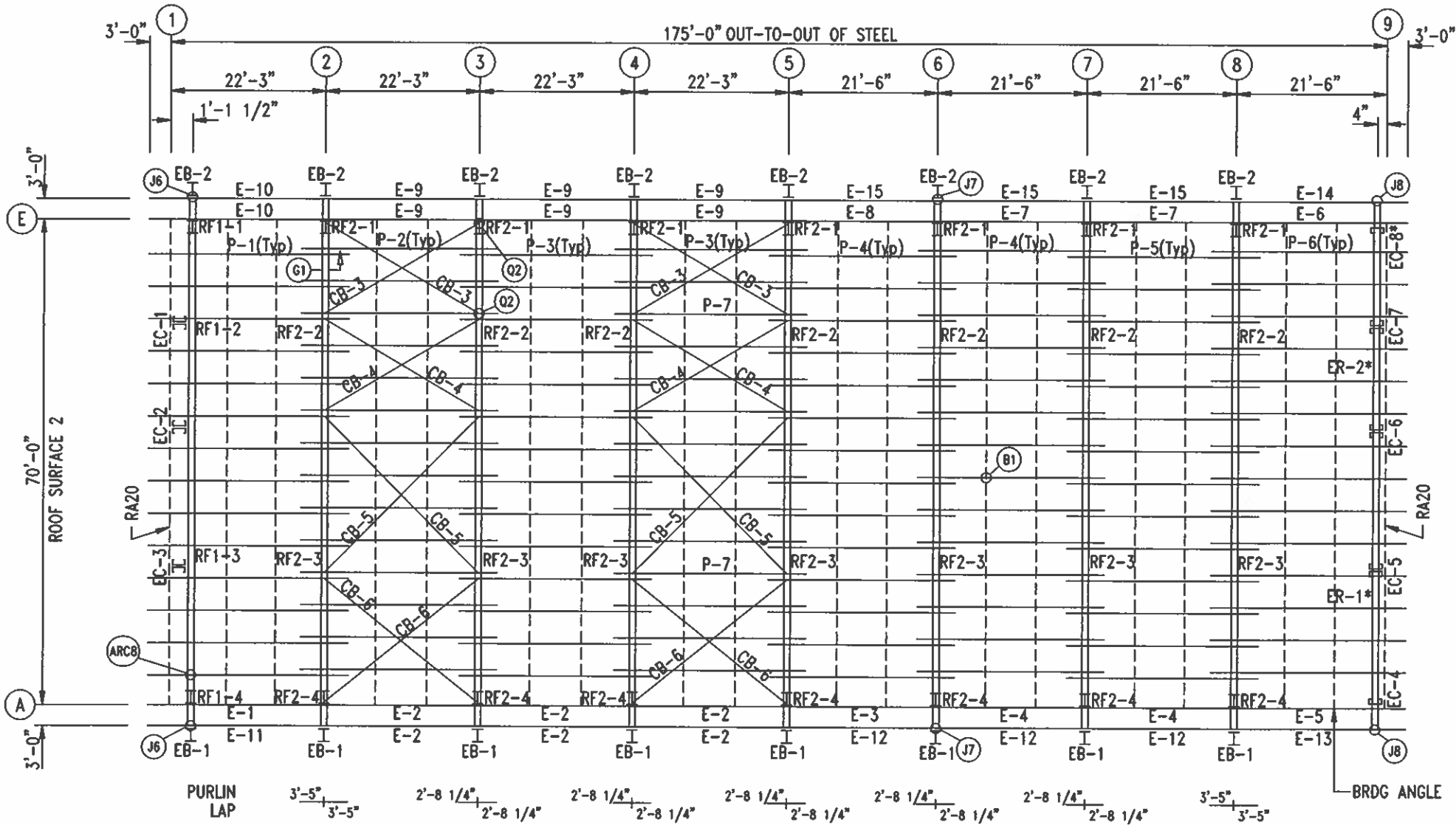
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------|---------------|----------------|--|------|--|-----------------|-------------------------|--|----------------------------|
|  <p>2 TEK 5 (TYP)<br/>4 TEKS (TYP)<br/>CA7 (TYP)<br/>6 TEKS (TYP)<br/>ENDWALL RAFTER<br/>WALL GIRT<br/>DH<br/>DS</p> | <p>1. FIELD CUT X-BRACE THRU GIRTS (AS REQ'D).<br/>2. FIELD CUT X-BRACE TO LENGTH (AS REQ'D).<br/>3. FIELD FIT AND DRILL GIRTS AT CORNER COLUMN (AS REQ'D).<br/>4. FIELD LOCATE WALK DOORS, WINDOWS, AND LOUVERS (AS REQ'D).<br/>5. FIELD FIT WINDSTRUT (AS REQ'D).<br/>6. FIELD CUT 3'-4" ELEV. GIRT AND TEK TO 8 1/4" WALK DOOR JAMB.<br/>7. FIELD FIT FLANGE BRACES AS REQ'D.<br/>8. LAP BRIDGE ANGLE 1", USE (2) 12-14 x 1" TEKS.<br/>9. LAP RAKE ANGLE 1", USE (2) 12-14 x 1" TEKS.</p> | <p>FORMAT IS BDDxWTHH</p> <p>B = 3 PLATE BUILT UP SECTION.<br/>DD = WEB DEPTH IN INCHES.<br/>W = FLANGE WIDTH IN INCHES.<br/>(6=6", 8=8", 0=10", 2=12")<br/>T = FLANGE THICKNESS IN 1/16" INCH UNITS.<br/>(3=3/16", 4=1/4", 5=5/16" 6=3/8", 8=1/2", 0=5/8", 2=3/4")<br/>HH = WEB THICKNESS IN DECIMAL INCH UNITS.<br/>(14=.1495, 17=.1793, 25=.2500, 31=.3125)</p> | <p>4 BOLTS<br/>1/2" x 1" (TYP)</p>  <p>8" ROOF PURLIN<br/>4-BOLT CLIP w/<br/>6" x 7" x .180"<br/>GUSSET<br/>ENDWALL RAFTER</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |              |          |               |                |  |      |  |                 |                         |  |                            |
| <p>W4 WINDOW F.O. DETAIL</p>                                                                                                                                                                         | <p>Y1 FIELD NOTES</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>Y2 BUILT-UP NOTES</p> <p>rev. 09-21-17</p>                                                                                                                                                                                                                                                                                                                      | <p>ARC8 ANTI-ROLL CLIP DETAIL</p>                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |              |          |               |                |  |      |  |                 |                         |  |                            |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |              |          |               |                |  |      |  |                 |                         |  |                            |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |              |          |               |                |  |      |  |                 |                         |  |                            |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                  | <div><div>NOV 18 2024</div><div><div>STRUCTURAL</div><div>REGISTERED PROFESSIONAL</div><div>ENGINEER</div><div>95267PE</div><div>Brad Wallace</div><div>OREGON</div><div>SEP. 10, 2019</div><div>BRAD WALLACE</div></div><div>EXPIRES JUN 30 2026</div></div> <div><div>R &amp; M STEEL COMPANY</div><div>P.O. Box 580</div><div>Caldwell, Idaho 83606</div><div>208-454-1800 Fax 208-454-1801</div></div> <table><tr><td>SCALE:</td><td>JOB LOCATION</td><td>REVISION</td></tr><tr><td>DATE: 11/7/24</td><td>BAKER CITY, OR</td><td></td></tr><tr><td colspan="2">OTEC</td><td>DRAWN BY<br/>RPW</td></tr><tr><td colspan="2">APEX ELITE LINE ACADEMY</td><td>DRAWING NUMBER<br/>18 of 34</td></tr></table> | SCALE: | JOB LOCATION | REVISION | DATE: 11/7/24 | BAKER CITY, OR |  | OTEC |  | DRAWN BY<br>RPW | APEX ELITE LINE ACADEMY |  | DRAWING NUMBER<br>18 of 34 |
| SCALE:                                                                                                                                                                                               | JOB LOCATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | REVISION                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |              |          |               |                |  |      |  |                 |                         |  |                            |
| DATE: 11/7/24                                                                                                                                                                                        | BAKER CITY, OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |              |          |               |                |  |      |  |                 |                         |  |                            |
| OTEC                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DRAWN BY<br>RPW                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |              |          |               |                |  |      |  |                 |                         |  |                            |
| APEX ELITE LINE ACADEMY                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DRAWING NUMBER<br>18 of 34                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |              |          |               |                |  |      |  |                 |                         |  |                            |

|                                                                                                    |                                                                                                                       |                                                                                                                       |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |               |           |               |                |  |           |  |  |      |  |     |                 |  |  |                         |  |          |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------|-----------|---------------|----------------|--|-----------|--|--|------|--|-----|-----------------|--|--|-------------------------|--|----------|
| <p>2 BOLTS<br/>1/2" x 1" (TYP)</p> <p>OPTIONAL: SIMPLE SAVER CLIP<br/>ROOF PURLIN TO EW RAFTER</p> | <p>2 BOLTS<br/>1/2" x 1" (TYP)</p> <p>OPTIONAL: SIMPLE SAVER CLIP<br/>ROOF PURLIN TO RF RAFTER</p>                    | <p>6 BOLTS<br/>1/2" x 1" (TYP)</p> <p>OPTIONAL: SIMPLE SAVER CLIP<br/>ROOF PURLIN TO RF RAFTER</p>                    | <p>6 BOLTS<br/>1/2" x 1" (TYP)</p> <p>OPTIONAL: SIMPLE SAVER CLIP<br/>SIDEWALL GIRT TO RF COLUMN</p>              | <p>6 BOLTS<br/>1/2" x 1" (TYP)</p> <p>OPTIONAL: SIMPLE SAVER CLIP<br/>JAMB COL./ JAMB BLOCKING TO<br/>RIGID FRAME RAFTER</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |               |           |               |                |  |           |  |  |      |  |     |                 |  |  |                         |  |          |
| <p>OPTIONAL: SIMPLE SAVER CLIP<br/>CORNER COLUMN TOWALL GIRT</p>                                   | <p>6 BOLTS<br/>1/2" x 1" (TYP)</p> <p>OPTIONAL: SIMPLE SAVER CLIP<br/>SIDEWALL GIRT TO<br/>COLUMN &amp; DOOR JAMB</p> | <p>4 BOLTS<br/>1/2" x 1" (TYP)</p> <p>OPTIONAL: SIMPLE SAVER CLIP<br/>SIDEWALL GIRT TO<br/>COLUMN &amp; DOOR JAMB</p> | <p>6 BOLTS<br/>1/2" x 1" (TYP)</p> <p>OPTIONAL: SIMPLE SAVER CLIP<br/>SIDEWALL GIRT TO<br/>RIGID FRAME RAFTER</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |               |           |               |                |  |           |  |  |      |  |     |                 |  |  |                         |  |          |
|                                                                                                    |                                                                                                                       |                                                                                                                       |                                                                                                                   | <div><div>NOV 18 2024</div><div>STRUCTURAL<br/>REGISTERED PROFESSIONAL<br/>ENGINEER<br/>95267PE<br/>Brad Wallace<br/>OREGON<br/>SEP. 10, 2019<br/>BRAD WALLACE</div><div>EXPIRES JUN 30 2026</div></div> <div><div></div><div>R &amp; M STEEL COMPANY<br/>P.O. Box 580<br/>Caldwell, Idaho 83606<br/>208-454-1800 Fax 208-454-1801</div></div> <table><tr><td>SCALE:</td><td>JOB LOCATION:</td><td>REVISION:</td></tr><tr><td>DATE: 11/7/24</td><td>BAKER CITY, OR</td><td></td></tr><tr><td colspan="2">DRAWN BY:</td><td></td></tr><tr><td colspan="2">OTEC</td><td>RPW</td></tr><tr><td colspan="2">DRAWING NUMBER:</td><td></td></tr><tr><td colspan="2">APEX ELITE LINE ACADEMY</td><td>19 of 34</td></tr></table> | SCALE: | JOB LOCATION: | REVISION: | DATE: 11/7/24 | BAKER CITY, OR |  | DRAWN BY: |  |  | OTEC |  | RPW | DRAWING NUMBER: |  |  | APEX ELITE LINE ACADEMY |  | 19 of 34 |
| SCALE:                                                                                             | JOB LOCATION:                                                                                                         | REVISION:                                                                                                             |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |               |           |               |                |  |           |  |  |      |  |     |                 |  |  |                         |  |          |
| DATE: 11/7/24                                                                                      | BAKER CITY, OR                                                                                                        |                                                                                                                       |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |               |           |               |                |  |           |  |  |      |  |     |                 |  |  |                         |  |          |
| DRAWN BY:                                                                                          |                                                                                                                       |                                                                                                                       |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |               |           |               |                |  |           |  |  |      |  |     |                 |  |  |                         |  |          |
| OTEC                                                                                               |                                                                                                                       | RPW                                                                                                                   |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |               |           |               |                |  |           |  |  |      |  |     |                 |  |  |                         |  |          |
| DRAWING NUMBER:                                                                                    |                                                                                                                       |                                                                                                                       |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |               |           |               |                |  |           |  |  |      |  |     |                 |  |  |                         |  |          |
| APEX ELITE LINE ACADEMY                                                                            |                                                                                                                       | 19 of 34                                                                                                              |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |               |           |               |                |  |           |  |  |      |  |     |                 |  |  |                         |  |          |



| EXTENSION/CANOPY BOLTS |      |      |      |        |
|------------------------|------|------|------|--------|
| ROOF PLAN              |      |      |      |        |
| MARK                   | QUAN | TYPE | DIA  | LENGTH |
| EB-1                   | 8    | A325 | 5/8" | 1 3/4" |
| EB-2                   | 8    | A325 | 5/8" | 1 3/4" |

| MEMBER TABLE |         |             |
|--------------|---------|-------------|
| ROOF PLAN    |         |             |
| MARK         | PART    | LENGTH      |
| EB-1         | W8x10   | 3'-8"       |
| EB-2         | W8x10   | 3'-8 1/16"  |
| P-1          | 8x25Z13 | 28'-8"      |
| P-2          | 8x25Z16 | 28'-4 1/4"  |
| P-3          | 8x25Z16 | 27'-7 1/2"  |
| P-4          | 8x25Z16 | 26'-10 1/2" |
| P-5          | 8x25Z16 | 27'-7 1/4"  |
| P-6          | 8x25Z13 | 27'-11"     |
| P-7          | 8x25Z15 | 27'-7 1/2"  |
| E-1          | 80x5E12 | 25'-2 3/4"  |
| E-2          | 80x5E14 | 22'-2 1/2"  |
| E-3          | 80x5E12 | 21'-5 1/2"  |
| E-4          | 80x5E12 | 21'-5 1/2"  |
| E-5          | 80x5E12 | 24'-5 1/2"  |
| E-6          | 80x5E12 | 24'-5 1/2"  |
| E-7          | 80x5E12 | 21'-5 1/2"  |
| E-8          | 80x5E12 | 21'-5 1/2"  |
| E-9          | 80x5E14 | 22'-2 1/2"  |
| E-10         | 80x5E14 | 25'-2 3/4"  |
| E-11         | 80x5E14 | 25'-2 3/4"  |
| E-12         | 80x5E14 | 21'-5 1/2"  |
| E-13         | 80x5E14 | 24'-5 1/2"  |
| E-14         | 80x5E14 | 24'-5 1/2"  |
| E-15         | 80x5E14 | 21'-5 1/2"  |
| CB-3         | 5/16EHS | 25'-0"      |
| CB-4         | 1/4EHS  | 25'-0"      |
| CB-5         | 1/4EHS  | 31'-0"      |
| CB-6         | 5/16EHS | 28'-0"      |



ROOF FRAMING PLAN

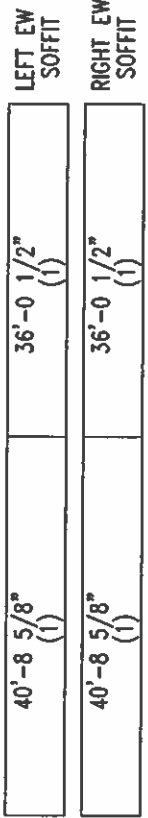
NOTE:  
PURLIN ORIENTATION



ROOF SHEETING  
PANELS: 26 Ga. PBR  
ROOF COLOR

BACK SW  
SOFFIT  
2'-9" (59)

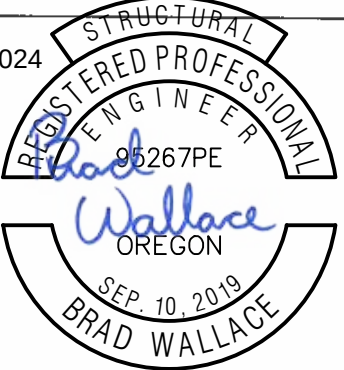
FRONT SW  
SOFFIT  
2'-9" (59)



SOFFIT SHEETING  
PANELS: 26 Ga. PBR  
ROOF COLOR

INSTALL ROOF FLANGE BRACE  
AS PER RIGID FRAME CROSS  
SECTION

NOV 18 2024

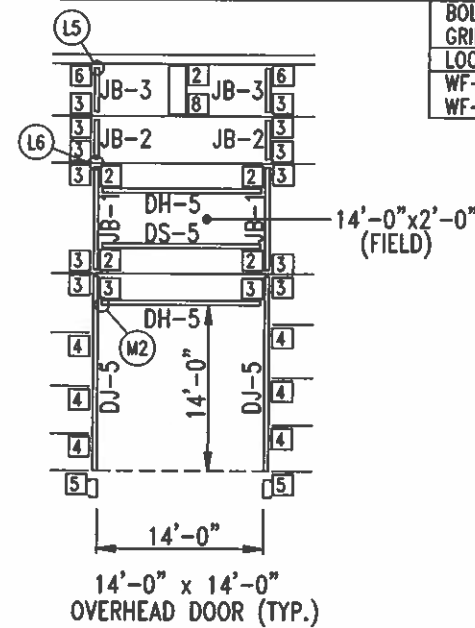
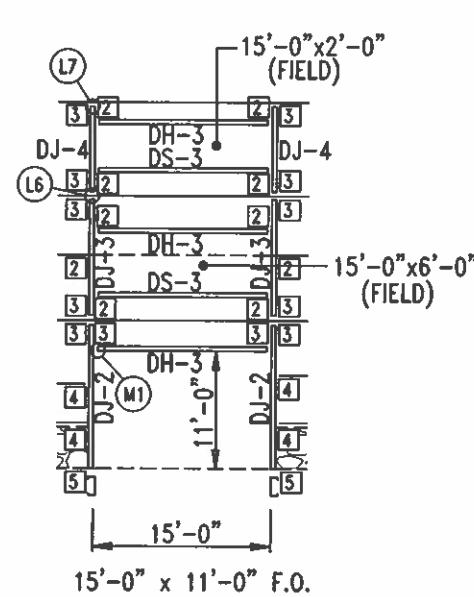


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Caldwell, Idaho 83606  
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|                         |                |                            |
|-------------------------|----------------|----------------------------|
| SCALE:                  | JOB LOCATION   | REVISION                   |
| DATE: 11/ 7/24          | BAKER CITY, OR |                            |
| OTEC                    |                | DRAWN BY<br>RPW            |
| APEX ELITE LINE ACADEMY |                | DRAWING NUMBER<br>20 OF 34 |



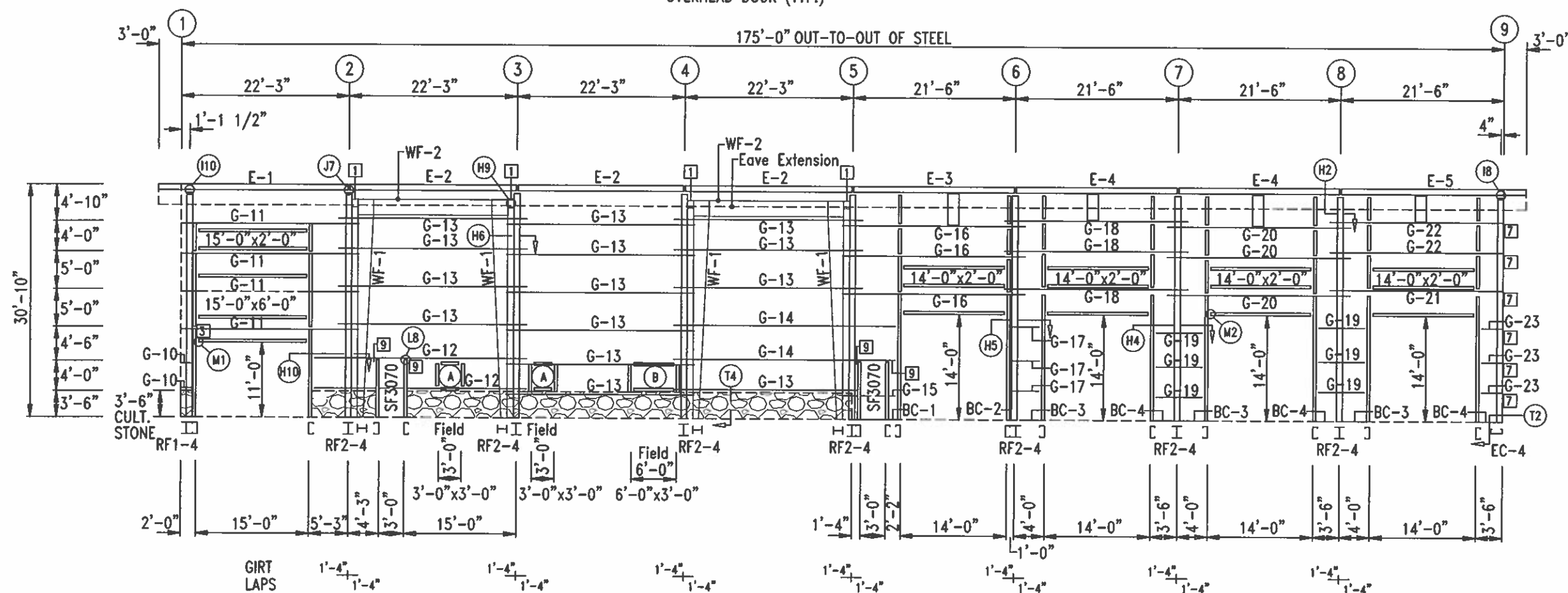
| BOLT TABLE   |      |      |      |        |
|--------------|------|------|------|--------|
| GRID A       |      |      |      |        |
| LOCATION     | QUAN | TYPE | DIA  | LENGTH |
| WF-1 - WF-2  | 8    | A325 | 7/8" | 2 3/4" |
| WF-1 - RF2-4 | 8    | A325 | 3/4" | 2"     |

| MEMBER TABLE |          |             |
|--------------|----------|-------------|
| GRID A       |          |             |
| MARK         | PART     | LENGTH      |
| WF-1         | COLUMN   | 29'-9"      |
| WF-2         | B24x8514 | 16'-11 3/4" |
| DJ-1         | 8x25C16  | 4'-0"       |
| DJ-2         | 8x25C16  | 12'-0"      |
| DJ-3         | 8x25C16  | 10'-0"      |
| DJ-4         | 8x25C16  | 4'-0"       |
| DJ-5         | 8x25C16  | 17'-0"      |
| DH-1         | 8x25C16  | 6'-0"       |
| DH-3         | 8x25C16  | 15'-0"      |
| DH-4         | 8x25C16  | 3'-0"       |
| DH-5         | 8x25C16  | 14'-0"      |
| DS-1         | 8x25C16  | 6'-0"       |
| DS-3         | 8x25C16  | 15'-0"      |
| DS-4         | 8x25C16  | 3'-0"       |
| DS-5         | 8x25C16  | 14'-0"      |
| E-1          | 80x5E12  | 25'-2 3/4"  |
| E-2          | 80x5E14  | 22'-2 1/2"  |
| E-3          | 80x5E12  | 21'-5 1/2"  |
| E-4          | 80x5E12  | 21'-5 1/2"  |
| E-5          | 80x5E12  | 24'-5 1/2"  |

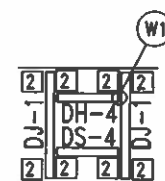
|      |         |           |
|------|---------|-----------|
| G-10 | 8x25Z16 | 1'-8"     |
| G-11 | 8x25Z16 | 23'-7"    |
| G-12 | 8x25Z16 | 28'-6"    |
| G-13 | 8x25Z16 | 24'-11"   |
| G-14 | 8x25Z16 | 29'-9"    |
| G-15 | 8x25Z16 | 7'-6"     |
| G-16 | 8x25Z16 | 24'-2"    |
| G-17 | 8x25Z16 | 4'-4"     |
| G-18 | 8x25Z16 | 24'-2"    |
| G-19 | 8x25Z16 | 6'-10"    |
| G-20 | 8x25Z16 | 24'-2"    |
| G-21 | 8x25Z15 | 22'-10"   |
| G-22 | 8x25Z16 | 22'-10"   |
| G-23 | 8x25Z16 | 3'-2"     |
| BC-1 | 8x25C16 | 6'-2"     |
| BC-2 | 8x25C16 | 0'-8"     |
| BC-3 | 8x25C16 | 3'-8"     |
| BC-4 | 8x25C16 | 3'-2"     |
| JB-1 | 8x25C16 | 5'-0"     |
| JB-2 | 8x25C16 | 4'-0"     |
| JB-3 | 8x25C16 | 4'-1 1/2" |

| CONNECTION PLATES |           |
|-------------------|-----------|
| GRID A            |           |
| ID                | MARK/PART |
| 1                 | BR-1      |
| 2                 | CA7       |
| 3                 | CA2       |
| 4                 | CA52      |
| 5                 | CA2A      |
| 6                 | CA2T      |
| 7                 | SWC-N     |
| 8                 | TSMC      |
| 9                 | JE-1      |

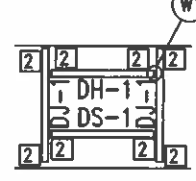
INSTALL SIDEWALL FLANGE BRACE  
AS PER RIGID FRAME CROSS SECTION



SIDEWALL FRAMING: GRID A

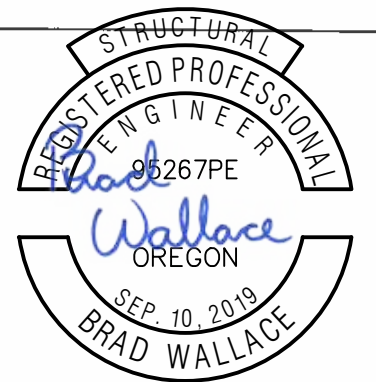


(A) 3'-0" x 3'-0" F.O.



(B) 6'-0" x 3'-0" F.O.

NOV 18 2024



EXPIRES JUN 30 2026



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| SCALE:                  | JOB LOCATION:  | REVISION:                |
|-------------------------|----------------|--------------------------|
| DATE: 11/7/24           | BAKER CITY, OR |                          |
| OTEC                    |                | DRAWN BY: RPW            |
| APEX ELITE LINE ACADEMY |                | DRAWING NUMBER: 21 of 34 |







| BOLT TABLE<br>GRID 9 |      |      |      |        |
|----------------------|------|------|------|--------|
| LOCATION             | QUAN | TYPE | DIA  | LENGTH |
| ER-1*/ER-2*          | 8    | A325 | 5/8" | 1 3/4" |
| Columns/Raf          | 4    | GR_5 | 1/2" | 1"     |

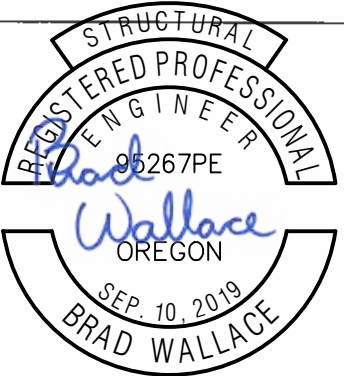
| FLANGE BRACE TABLE<br>GRID 9 |      |           |
|------------------------------|------|-----------|
| ▽ ID                         | MARK | LENGTH    |
| 1                            | FB1D | 1'-5 7/8" |

| MEMBER TABLE<br>GRID 9 |          |             |
|------------------------|----------|-------------|
| MARK                   | PART     | LENGTH      |
| EC-4                   | 12x35C12 | 29'-3 3/8"  |
| EC-5                   | D12x5C12 | 27'-8 1/16" |
| EC-6                   | D12x7C14 | 26'-0 1/16" |
| EC-7                   | D12x5C14 | 24'-9 1/16" |
| EC-8*                  | 10x25C14 | 23'-6 3/4"  |
| ER-1*                  | W10x12   | 28'-0 5/16" |
| ER-2*                  | W10x12   | 48'-2 7/8"  |
| DJ-4                   | 8x25C16  | 4'-0"       |
| DJ-7                   | 8x25C16  | 5'-3 1/16"  |
| DJ-8                   | 8x25C16  | 4'-5 1/16"  |
| DJ-9                   | 8x25C16  | 3'-9 9/16"  |
| DJ-10                  | 8x25C16  | 2'-11 9/16" |
| DH-6                   | 8x25C16  | 10'-0"      |
| DS-6                   | 8x25C16  | 10'-0"      |
| G-2                    | 8x25Z16  | 14'-4"      |
| G-3                    | 8x25Z16  | 19'-4"      |
| G-7                    | 8x25Z16  | 18'-8"      |
| G-8                    | 8x25Z15  | 19'-4"      |
| G-9                    | 8x25Z16  | 13'-8"      |
| BC-5                   | 8x25C16  | 18'-8"      |
| BC-6                   | 8x25C16  | 19'-4"      |
| BC-7                   | 8x25C16  | 14'-4"      |
| BC-8                   | 8x25C16  | 13'-8"      |
| CB-1                   | 1/2EHS   | 28'-0"      |
| CB-2                   | 1/2EHS   | 29'-0"      |

| CONNECTION PLATES<br>GRID 9 |           |  |
|-----------------------------|-----------|--|
| ID                          | MARK/PART |  |
| 1                           | 3HXA      |  |
| 2                           | CA3       |  |
| 3                           | SWC-N     |  |
| 4                           | CA52      |  |
| 5                           | SA        |  |
| 7                           | CA7       |  |
| 8                           | JE-1      |  |

INSTALL ENDWALL FLANGE BRACE

NOV 18 2024



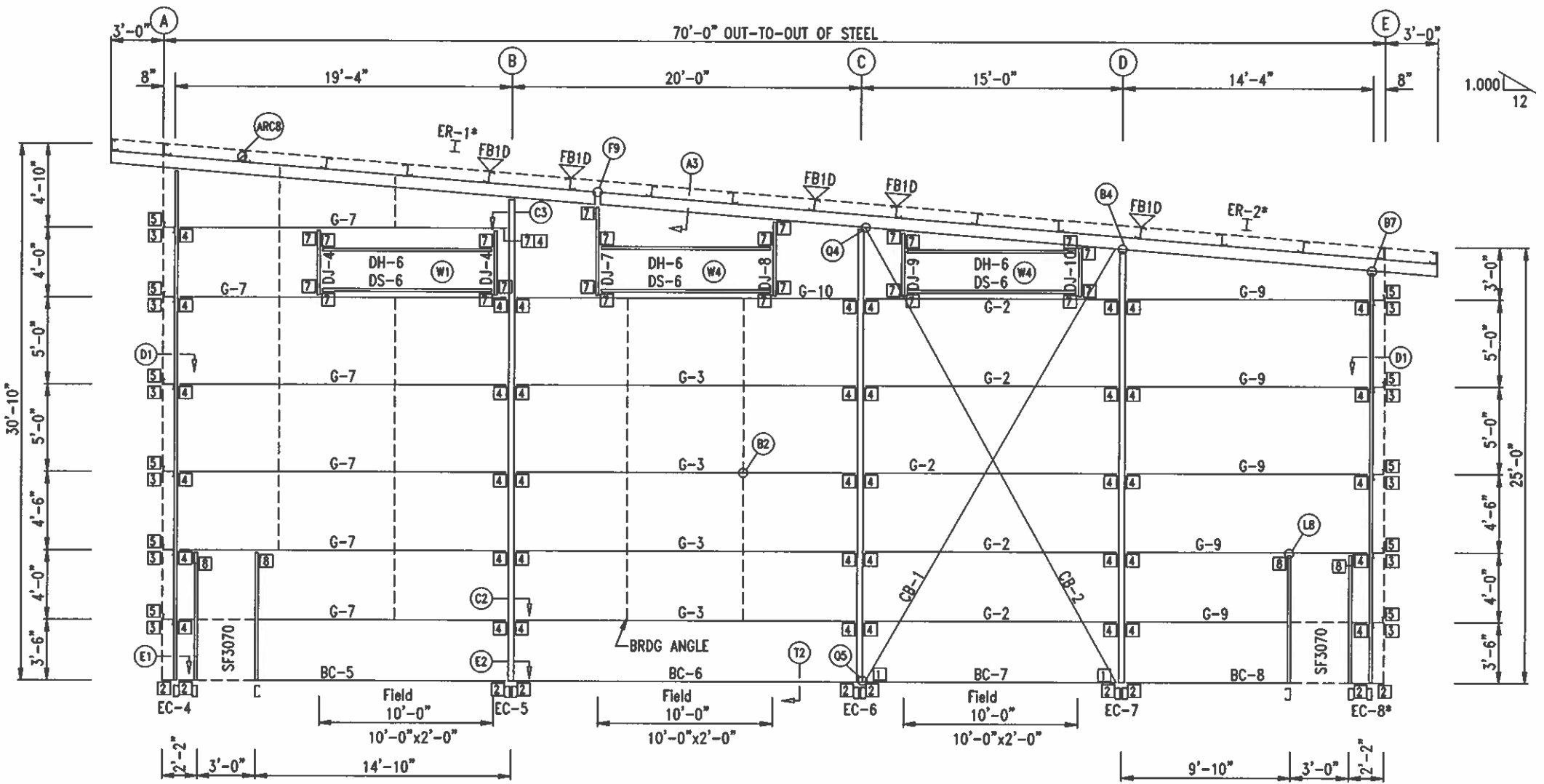
EXPIRES JUN 30 2026



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| SCALE:                  | JOB LOCATION   | REVISION                   |
|-------------------------|----------------|----------------------------|
| DATE: 11/ 7/24          | BAKER CITY, OR |                            |
| OTEC                    |                | DRAWN BY<br>RPW            |
| APEX ELITE LINE ACADEMY |                | DRAWING NUMBER<br>24 of 34 |

NOTE:  
PURLIN ORIENTATION



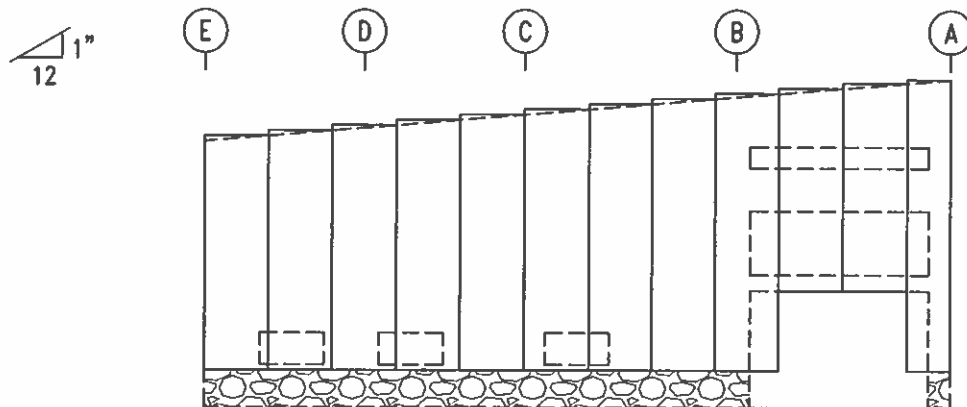
ENDWALL FRAMING: GRID 9



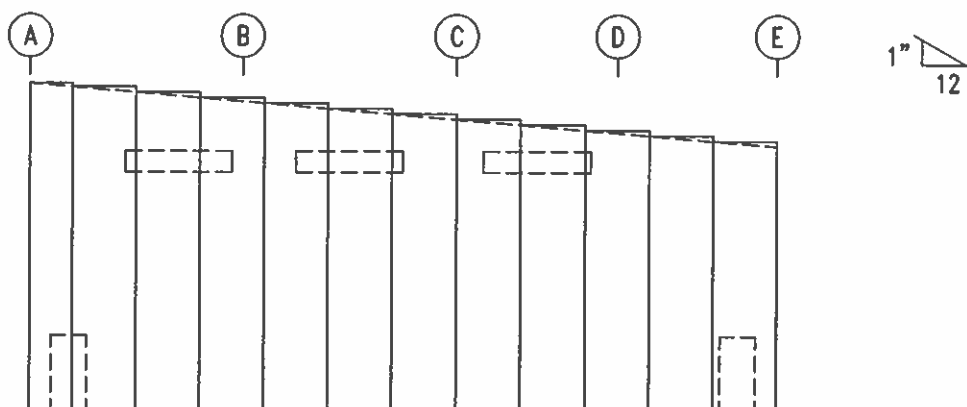
ROOF INSULATION : R-33 ENERGY SAVER w/Thermal Block

WALL INSULATION : R-35 ENERGY SAVER

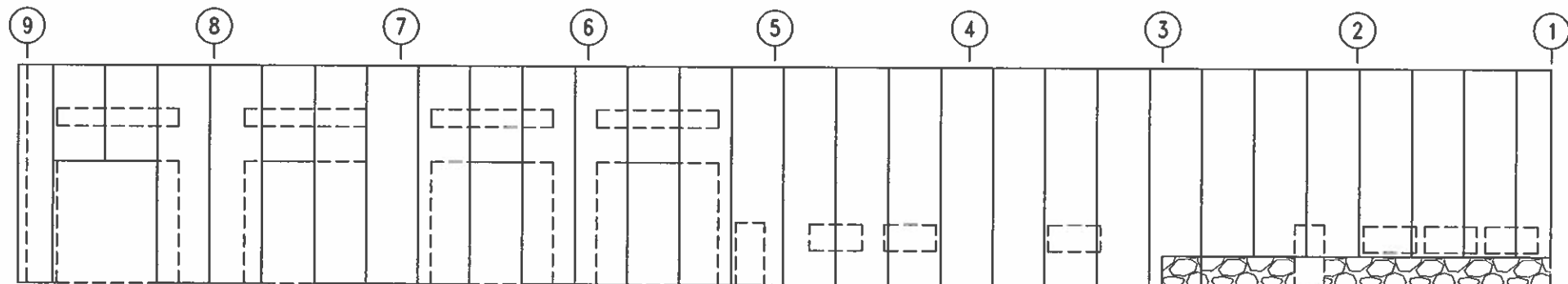
NOTE:  
ROOF: REFERENCE ENERGY SAVER  
INSTALLATION MANUAL.  
WALL: REFERENCE ENERGY SAVER  
INSTALLATION MANUAL.



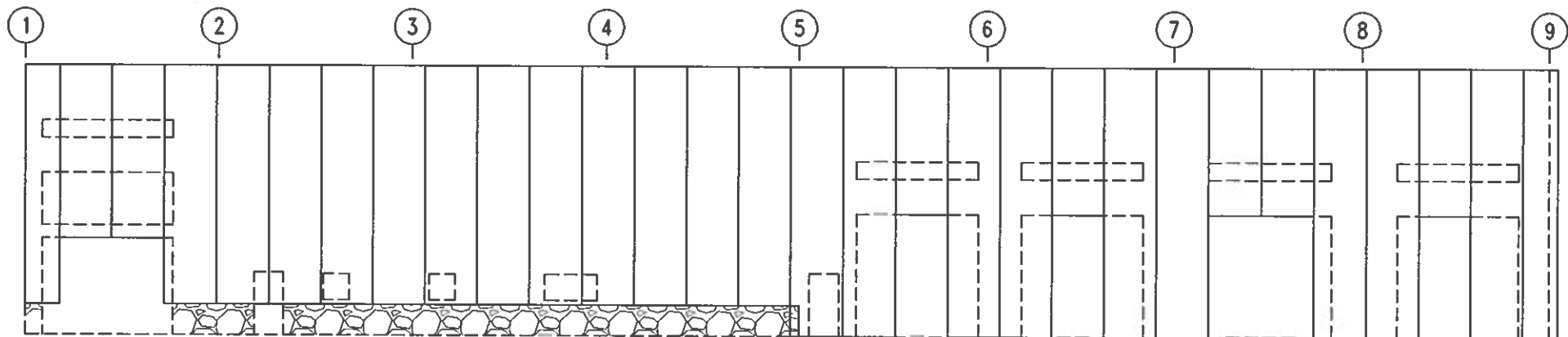
ENDWALL INSULATION: GRID 1  
INSULATION: R-35 ENERGY SAVER



ENDWALL INSULATION: GRID 9  
INSULATION: R-35 ENERGY SAVER

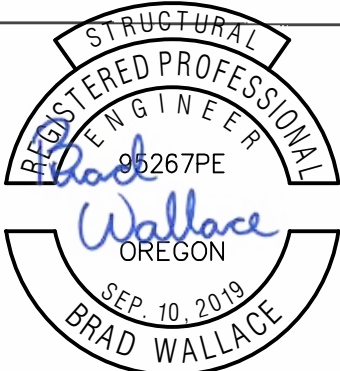


SIDEWALL INSULATION: GRID E  
INSULATION: R-35 ENERGY SAVER



SIDEWALL INSULATION: GRID A  
INSULATION: R-35 ENERGY SAVER

NOV 18 2024



EXPIRES JUN 30 2026

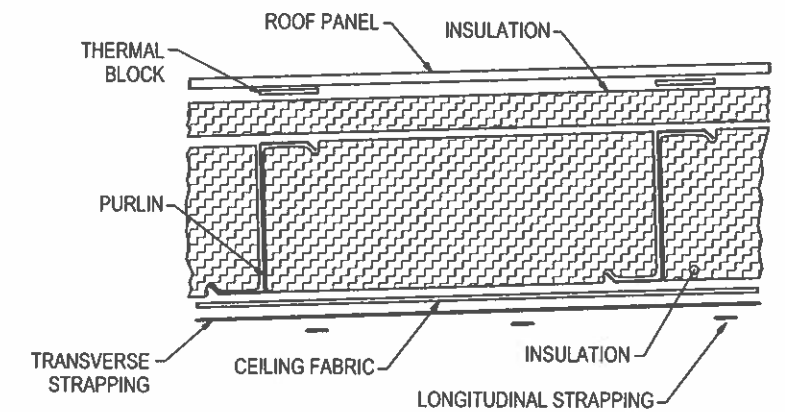


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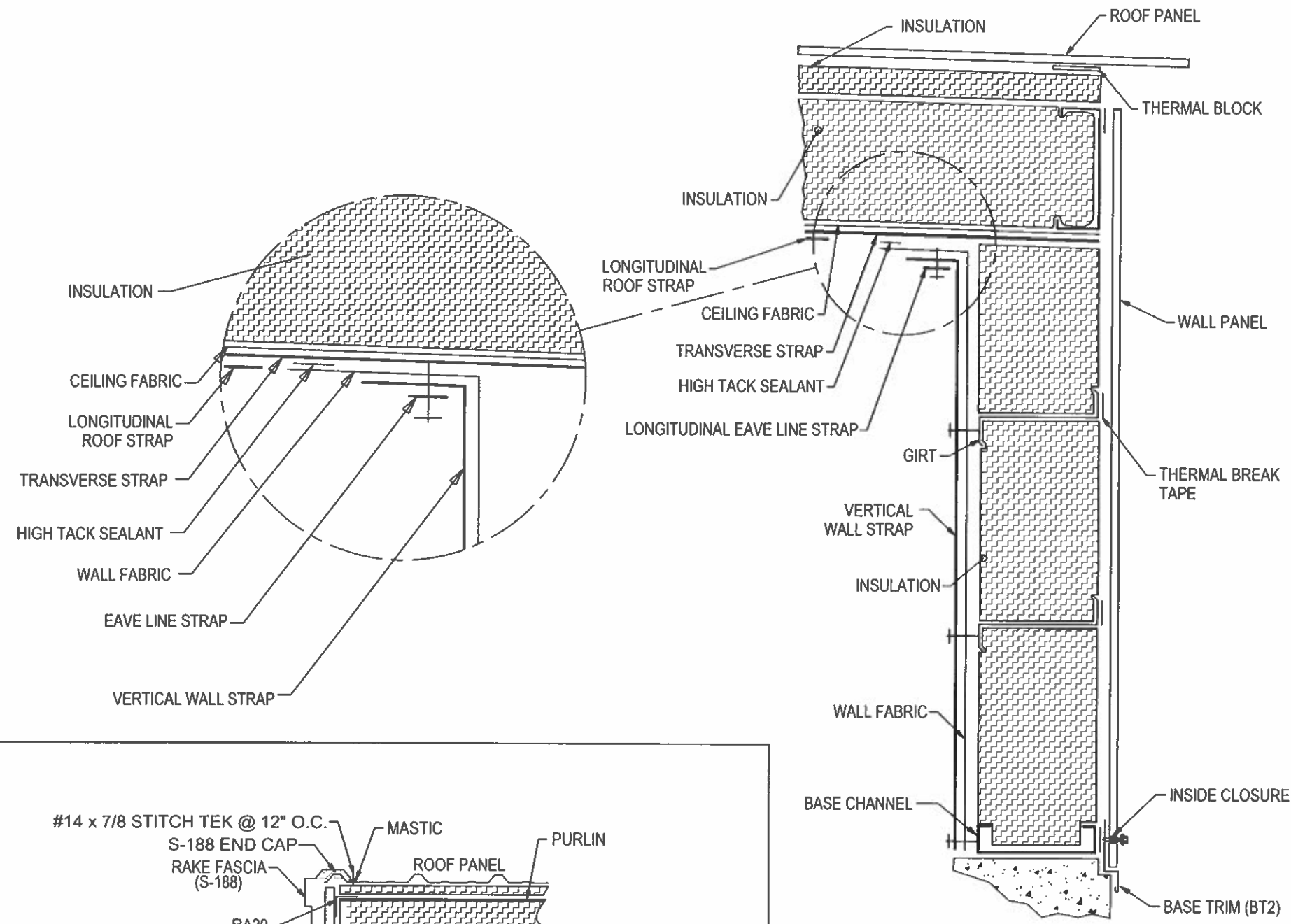
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|-------------------------|----------------|-------------------------|
| SCALE:                  | JOB LOCATION   | REVISION                |
| DATE: 11/ 7/24          | BAKER CITY, OR |                         |
| OTEC                    |                | DRAWN BY RPW            |
| APEX ELITE LINE ACADEMY |                | DRAWING NUMBER 25 OF 34 |

Roof Insulation : (R-33) Energy Saver w/ Thermal Block  
Wall Insulation : (R-35) Energy Saver

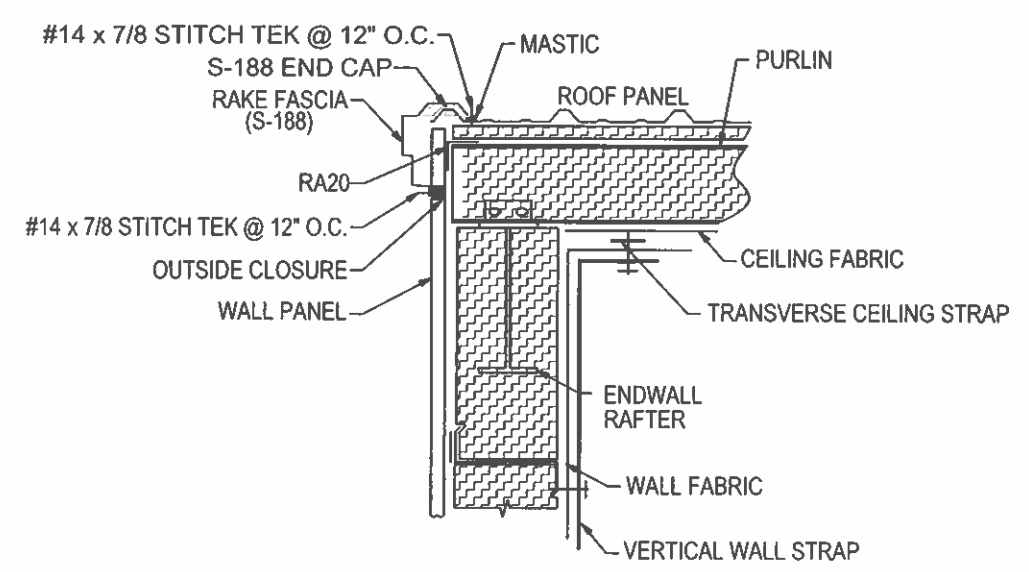
NOTE:  
REFERENCE : ENERGY SAVER  
ROOF INSTALLATION MANUAL.  
REFERENCE : ENERGY SAVER  
WALL INSTALLATION MANUAL.



INSULATION DETAIL @ ROOF  
ENERGY SAVER



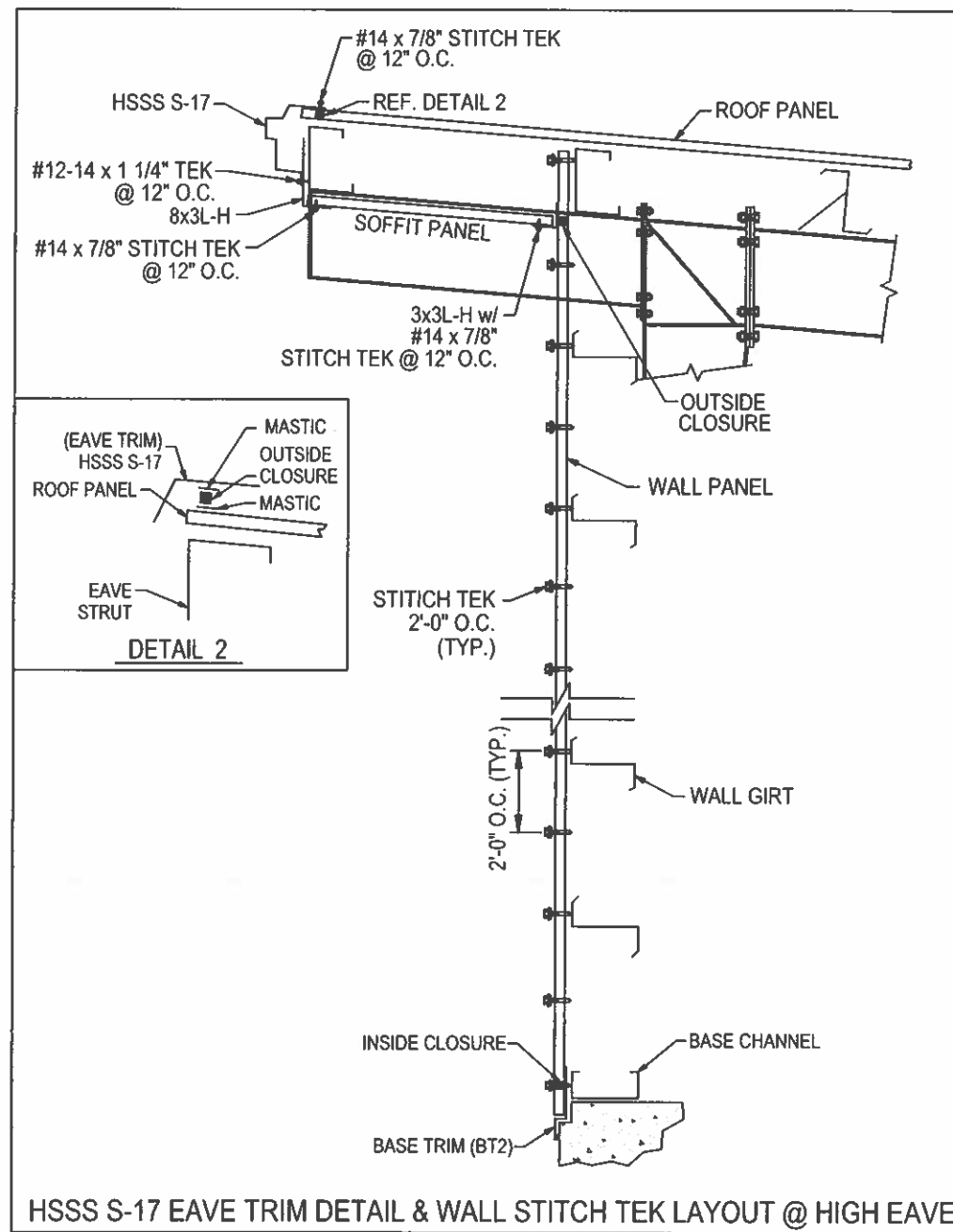
EAVE INSULATION DETAIL



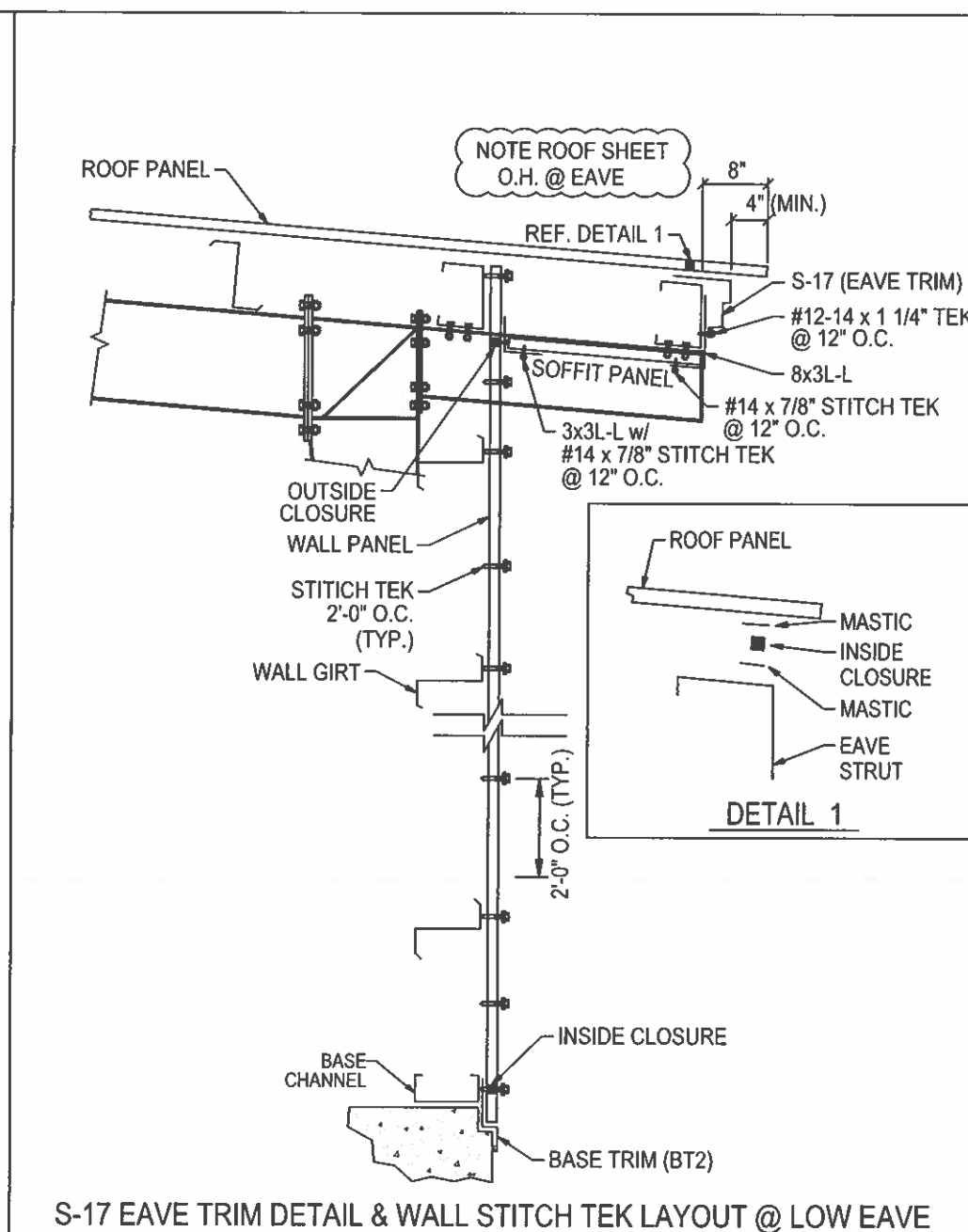
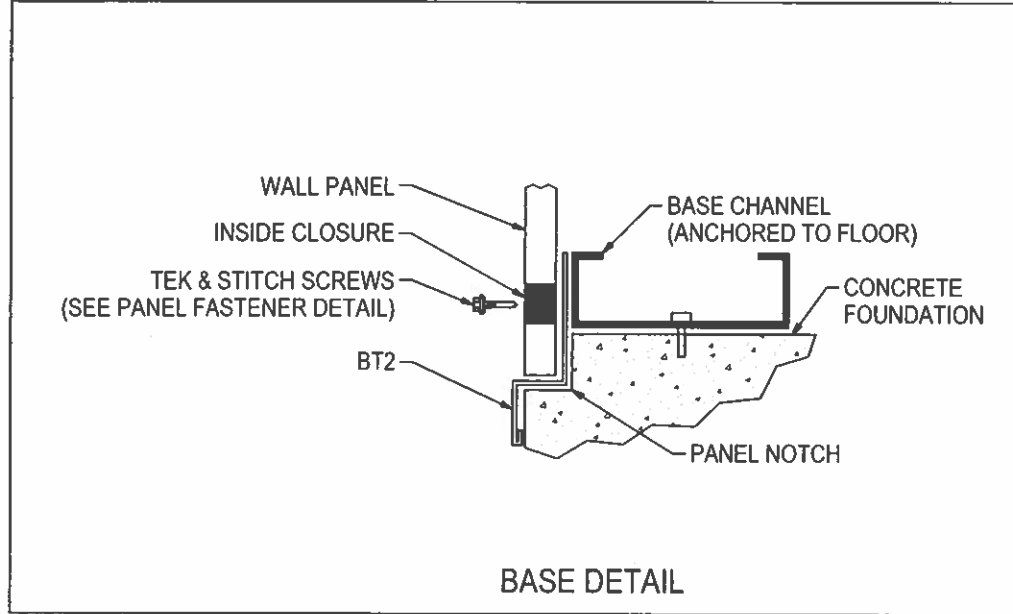
ENDWALL INSULATION DETAIL

NOV 18 2024  
STRUCTURAL  
REGISTERED PROFESSIONAL  
ENGINEER  
95267PE  
Brad Wallace  
OREGON  
SEP. 10, 2019  
BRAD WALLACE  
EXPIRES JUN 30 2026

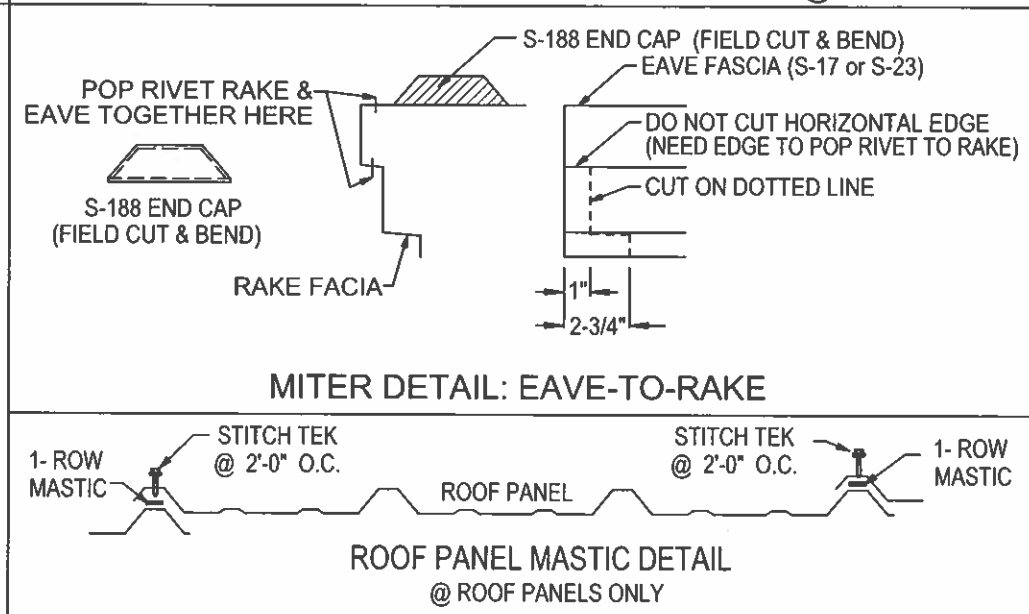
|                                                                                                                                                                                     |                |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------|
|  R & M STEEL COMPANY<br>P.O. Box 580<br>Coldwell, Idaho 83606<br>208-454-1800 Fax 208-454-1801 |                |                            |
| SCALE:                                                                                                                                                                              | JOB LOCATION   | REVISION                   |
| DATE: 11/ 7/24                                                                                                                                                                      | BAKER CITY, OR |                            |
| OTEC                                                                                                                                                                                |                | DRAWN BY<br>RPW            |
| APEX ELITE LINE ACADEMY                                                                                                                                                             |                | DRAWING NUMBER<br>26 of 34 |



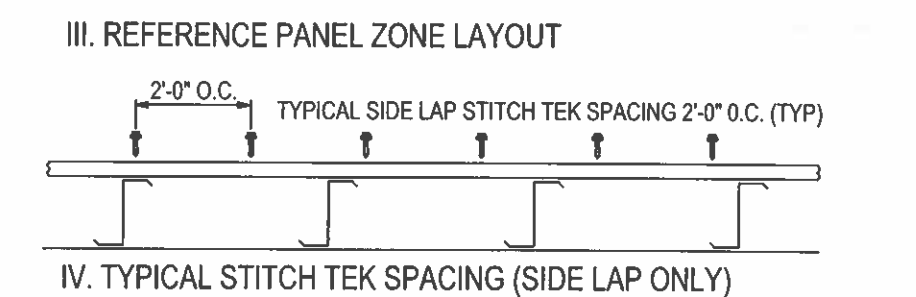
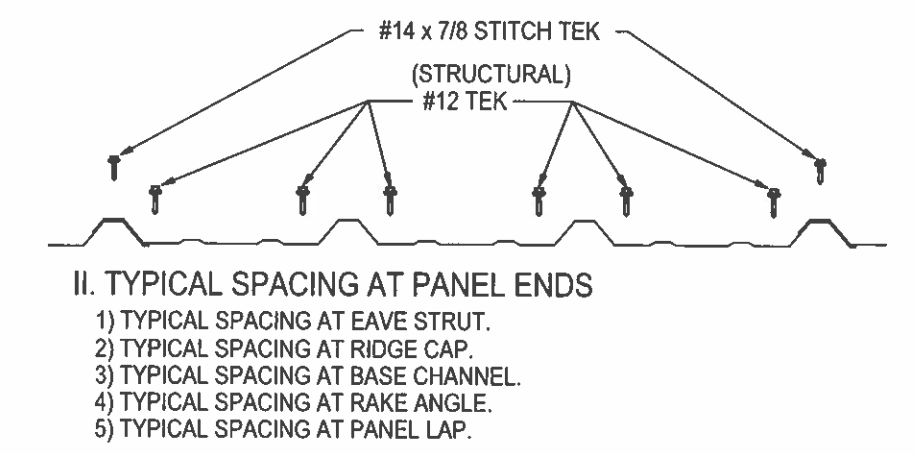
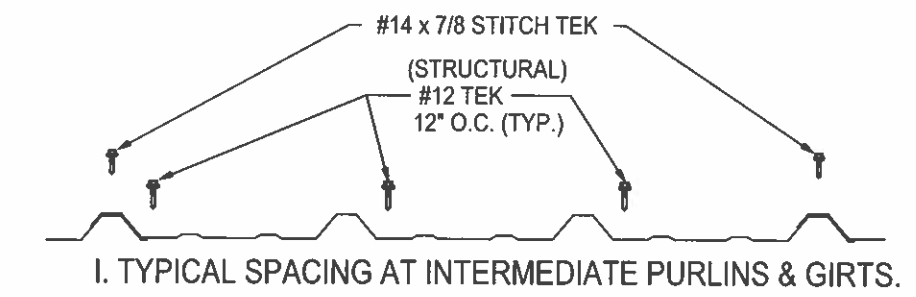
HSSS S-17 EAVE TRIM DETAIL & WALL STITCH TEK LAYOUT @ HIGH EAVE



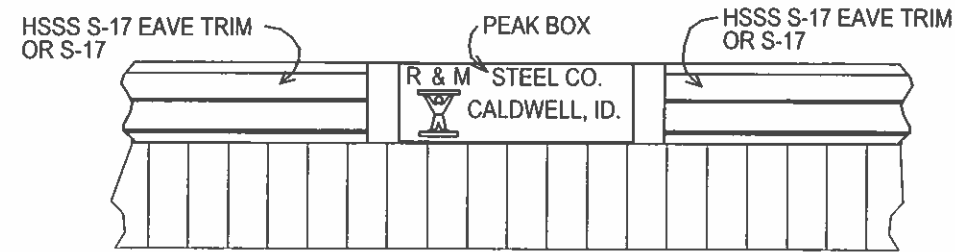
S-17 EAVE TRIM DETAIL & WALL STITCH TEK LAYOUT @ LOW EAVE



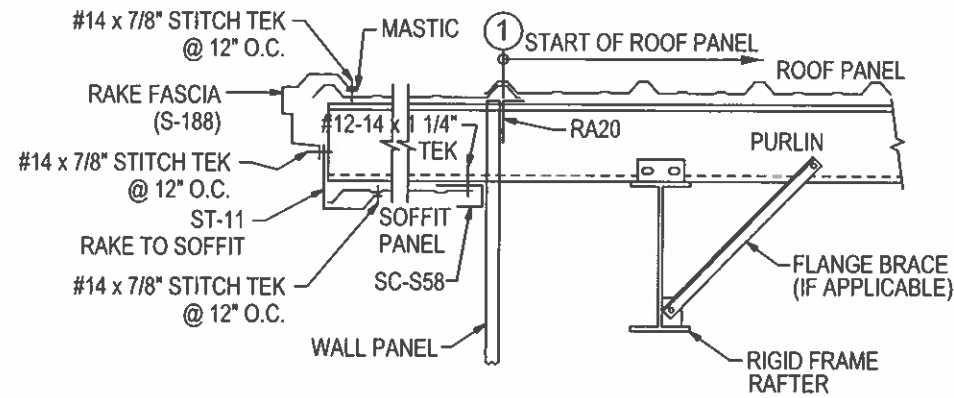
# TYPICAL TEK SPACING FOR HIGH RIB PANELS NOTE: ALIGN ROOF PANEL HI-RIBS WITH WALL PANEL HI-RIBS.



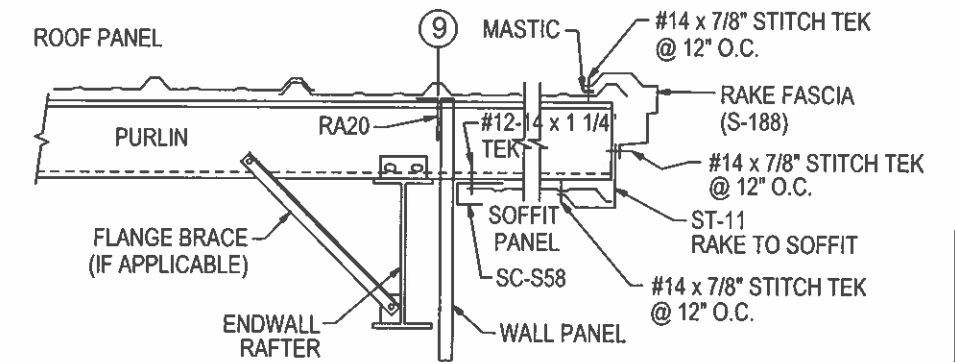
| R & M STEEL COMPANY                                                    |                |          |
|------------------------------------------------------------------------|----------------|----------|
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| SCALE:                                                                 | JOB LOCATION   | REVISION |
| DATE: 11/7/24                                                          | BAKER CITY, OR |          |
| OTEC                                                                   | DRAWN BY       | RPW      |
| APEX ELITE LINE ACADEMY                                                | DRAWING NUMBER | 27-34    |



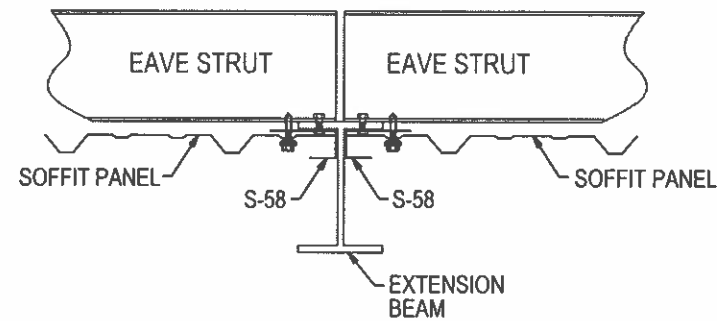
NOTE:  
1) INSTALL PEAKBOX & SEAL.  
PEAK BOX DETAIL



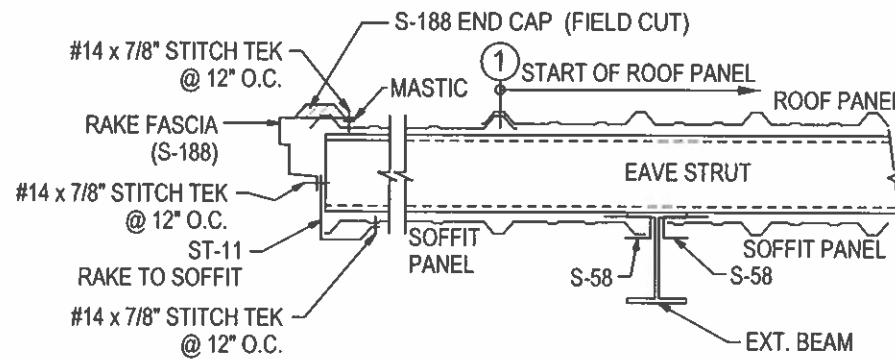
RAKE TRIM DETAIL - ROOF START



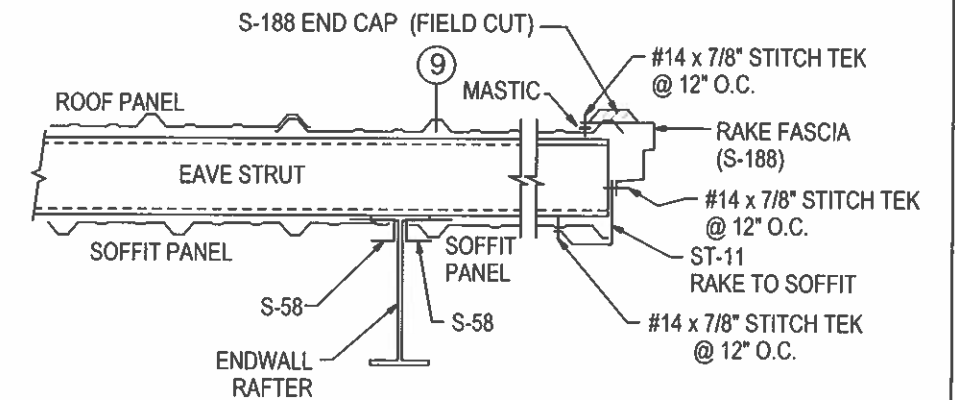
RAKE TRIM DETAIL - ROOF END



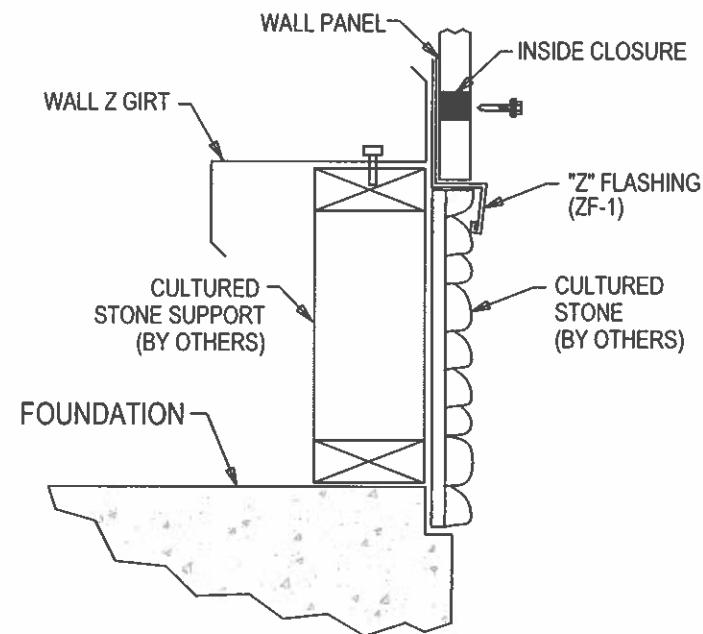
SOFFIT PANEL TRIM DETAIL @ EXT. BEAM



RAKE TRIM DETAIL @ EW EXT. - ROOF START



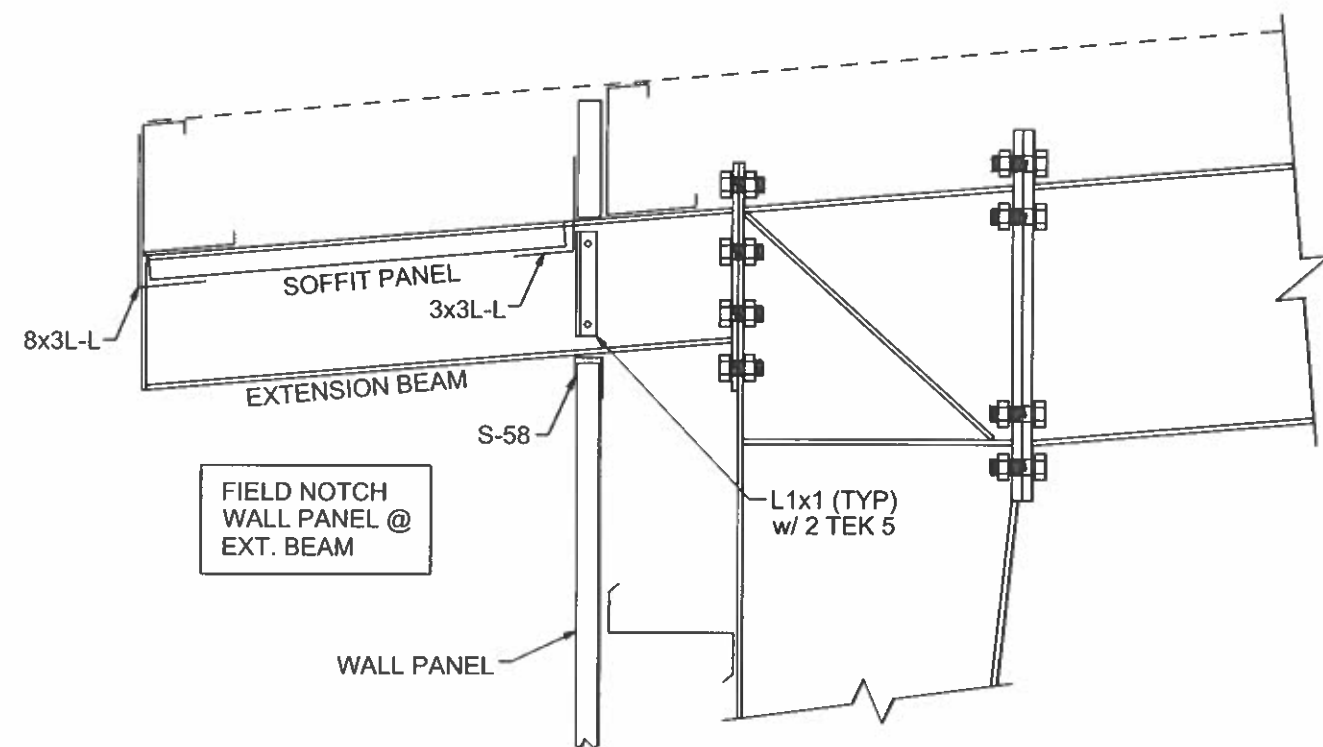
RAKE TRIM DETAIL @ EW EXT. - ROOF END



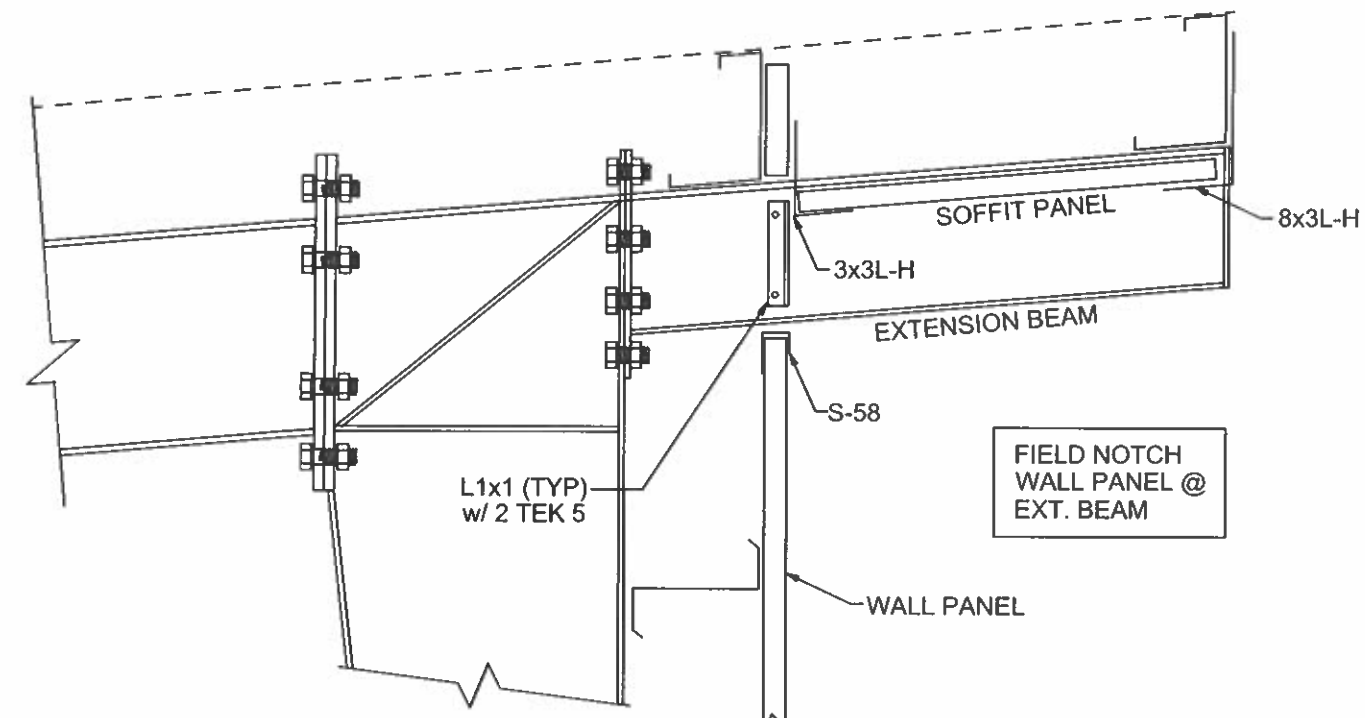
ZF-1 DETAIL @ CULTURED STONE



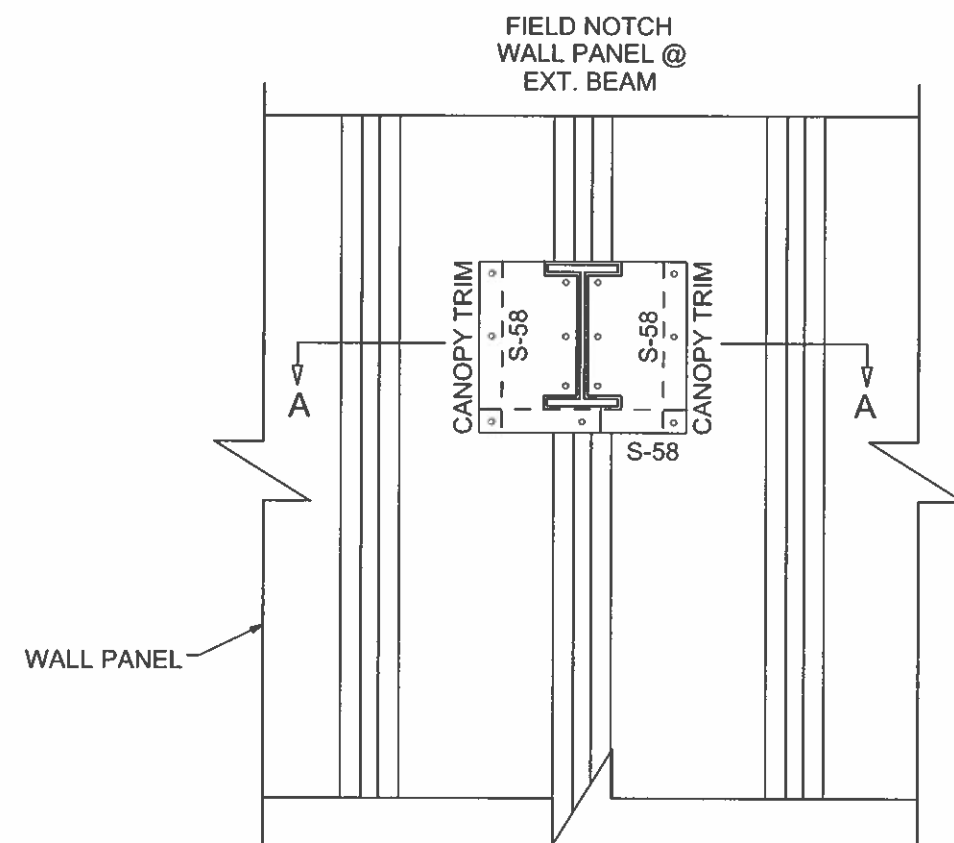
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|-----------------------------------|
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| <b>SCALE:</b><br>DATE: 11/7/24                                                                                                                                                                 | <b>JOB LOCATION</b><br>BAKER CITY, OR | <b>DRAWN BY</b><br>RPW          | <b>DRAWING NUMBER</b><br>28 OF 34 |
| <b>OTEC</b><br>APEX ELITE LINE ACADEMY                                                                                                                                                         |                                       |                                 |                                   |



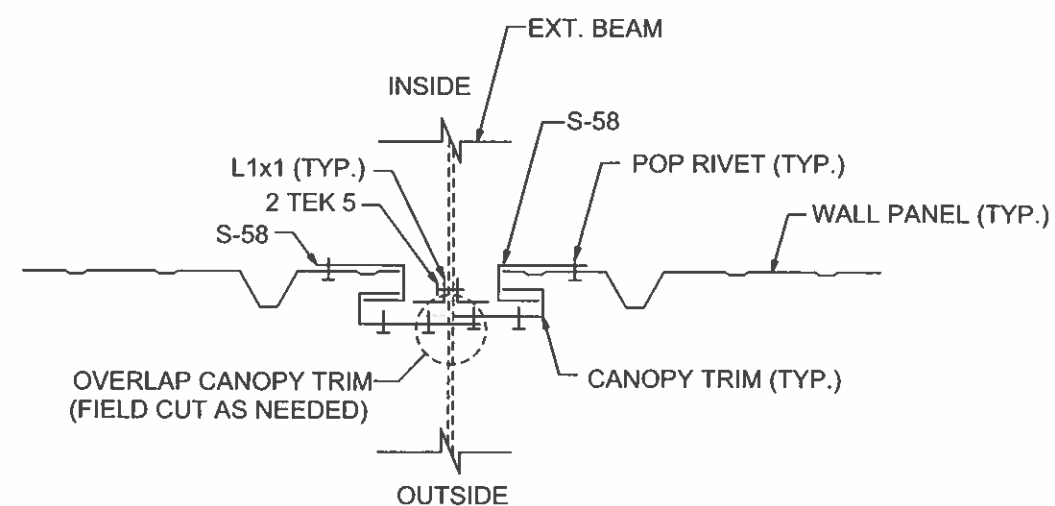
ELEVATION @ EXTENSION BEAM



ELEVATION @ EXTENSION BEAM



TRIM DETAIL @ EXTENSION BEAM

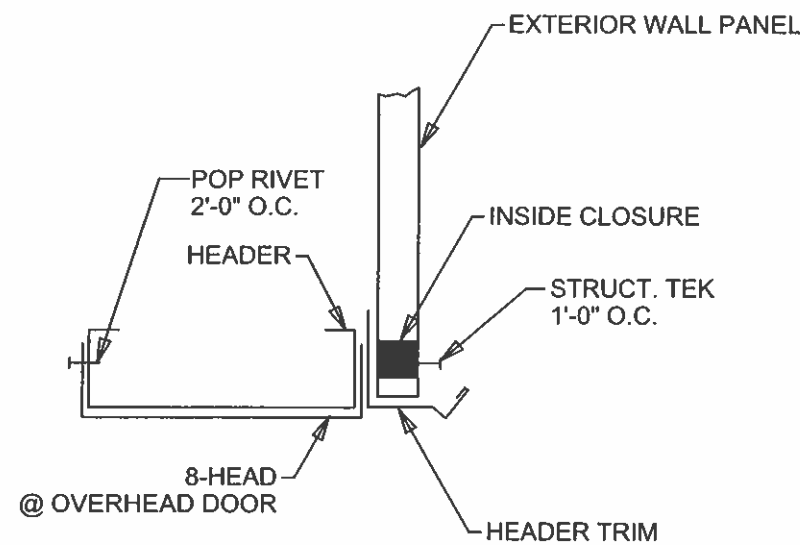


SECTION A-A

NOV 18 2024  
 STRUCTURAL  
 REGISTERED PROFESSIONAL  
 ENGINEER  
 95267PE  
 Brad Wallace  
 OREGON  
 SEP. 10, 2019  
 BRAD WALLACE  
 EXPIRES JUN 30 2026

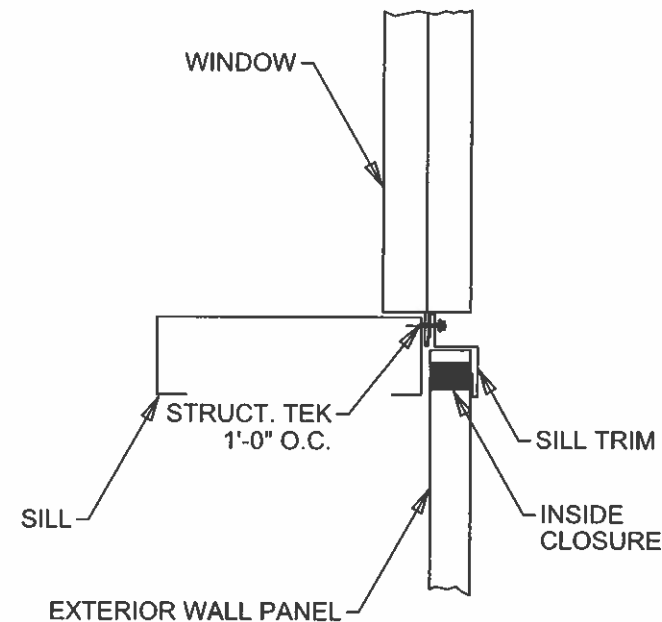
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------|
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| SCALE:                                                                                                                                                                                         | JOB LOCATION   | REVISION                   |
| DATE: 11/ 7/24                                                                                                                                                                                 | BAKER CITY, OR |                            |
| OTEC                                                                                                                                                                                           |                | DRAWN BY<br>RPW            |
| APEX ELITE LINE ACADEMY                                                                                                                                                                        |                | DRAWING NUMBER<br>29 of 34 |





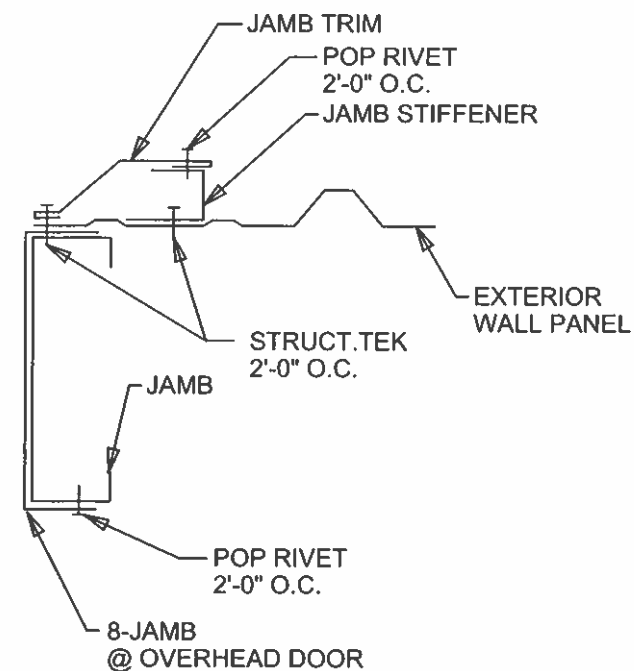
NOTE: FIELD NOTCH PANEL AND SLIDE HEADER TRIM BEHIND PANEL AS REQ.  
CAULKING (BY OTHERS)

HEADER TRIM DETAIL

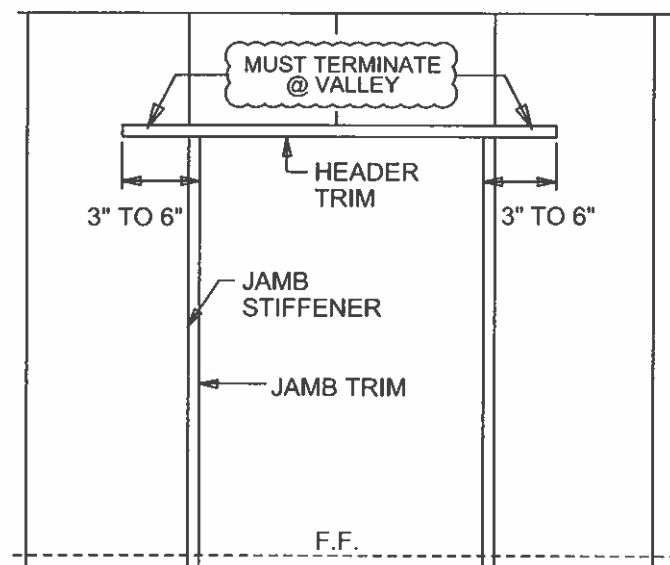


NOTE: FIELD NOTCH PANEL AND SLIDE SILL TRIM BEHIND PANEL AS REQ.  
CAULKING (BY OTHERS)

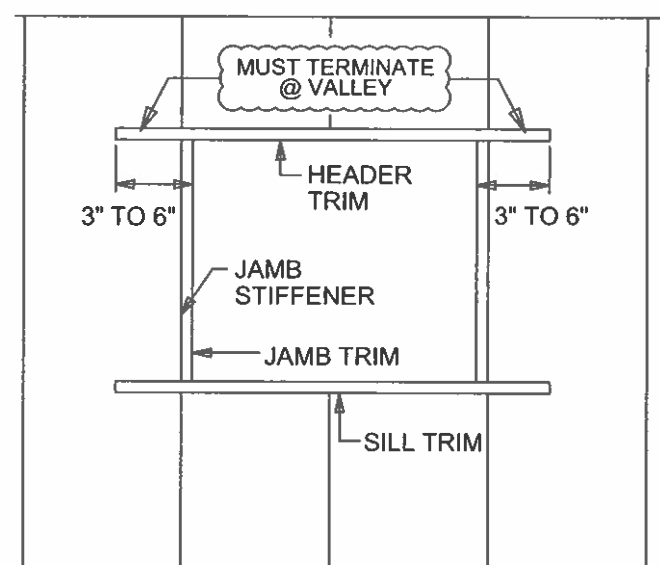
SILL TRIM DETAIL



JAMB TRIM DETAIL



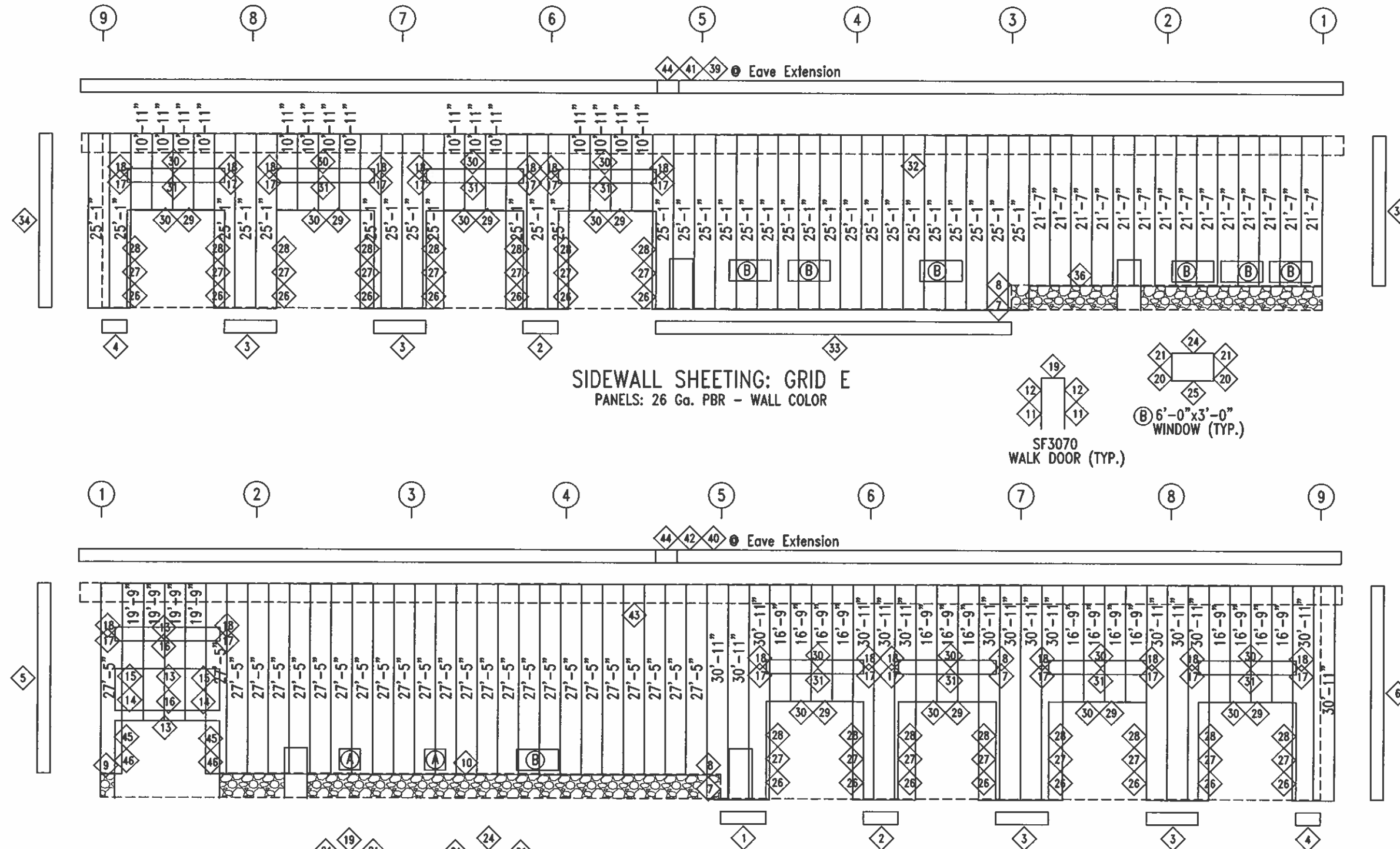
DOOR TRIM DETAIL



WINDOW TRIM DETAIL

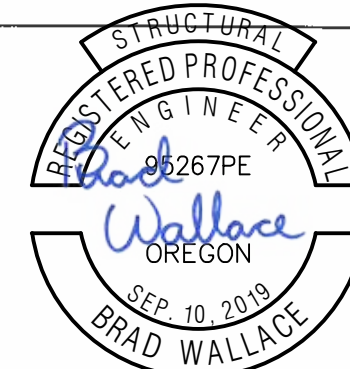


|                                                                                                                                                                                                |                |          |
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| SCALE:                                                                                                                                                                                         | JOB LOCATION   | REVISION |
| DATE: 11/7/24                                                                                                                                                                                  | BAKER CITY, OR |          |
| OTEC                                                                                                                                                                                           | DRAWN BY       | RPW      |
| APEX ELITE LINE ACADEMY                                                                                                                                                                        | DRAWING NUMBER | 30 OF 34 |



| TRIM TABLE<br>FRAME LINE A & E |          |        |
|--------------------------------|----------|--------|
| NO                             | MARK     | LENGTH |
| 1                              | BT2      | 8'-6"  |
| 2                              | BT2      | 7'-0"  |
| 3                              | BT2      | 9'-6"  |
| 4                              | BT2      | 5'-6"  |
| 5                              | S-11     | 27'-6" |
| 6                              | S-11     | 31'-0" |
| 7                              | JMBTRM   | 4'-0"  |
| 8                              | JMBSTF   | 4'-0"  |
| 9                              | BT2      | 4'-0"  |
| 10                             | ZF-1     | 25'-0" |
| 11                             | JMBTRM   | 7'-4"  |
| 12                             | JMBSTF   | 7'-4"  |
| 13                             | HEDTRM   | 16'-0" |
| 14                             | JMBTRM   | 6'-1"  |
| 15                             | JMBSTF   | 6'-1"  |
| 16                             | SILTRM   | 16'-0" |
| 17                             | JMBTRM   | 2'-1"  |
| 18                             | JMBSTF   | 2'-1"  |
| 19                             | HEDTRM   | 4'-0"  |
| 20                             | JMBTRM   | 3'-1"  |
| 21                             | JMBSTF   | 3'-1"  |
| 22                             | SILTRM   | 4'-0"  |
| 23                             | HEDTRM   | 7'-0"  |
| 24                             | SILTRM   | 7'-0"  |
| 25                             | 8-JAMB   | 14'-0" |
| 26                             | JMBTRM   | 14'-6" |
| 27                             | JMBSTF   | 14'-6" |
| 28                             | 8-HEAD   | 14'-0" |
| 29                             | HEDTRM   | 15'-0" |
| 30                             | SILTRM   | 15'-0" |
| 31                             | 3x3L-L   | 30'-0" |
| 32                             | BT2      | 27'-0" |
| 33                             | S-11     | 25'-0" |
| 34                             | S-11     | 21'-6" |
| 35                             | ZF-1     | 23'-6" |
| 36                             | S-17     | 31'-0" |
| 37                             | HSS S-17 | 31'-0" |
| 38                             | 8x3L-L   | 31'-0" |
| 39                             | 8x3L-H   | 31'-0" |
| 40                             | 3x3L-H   | 30'-0" |
| 41                             | PKBOX    | 2'-6"  |
| 42                             | JMBTRM   | 8'-0"  |
| 43                             | JMBSTF   | 8'-0"  |

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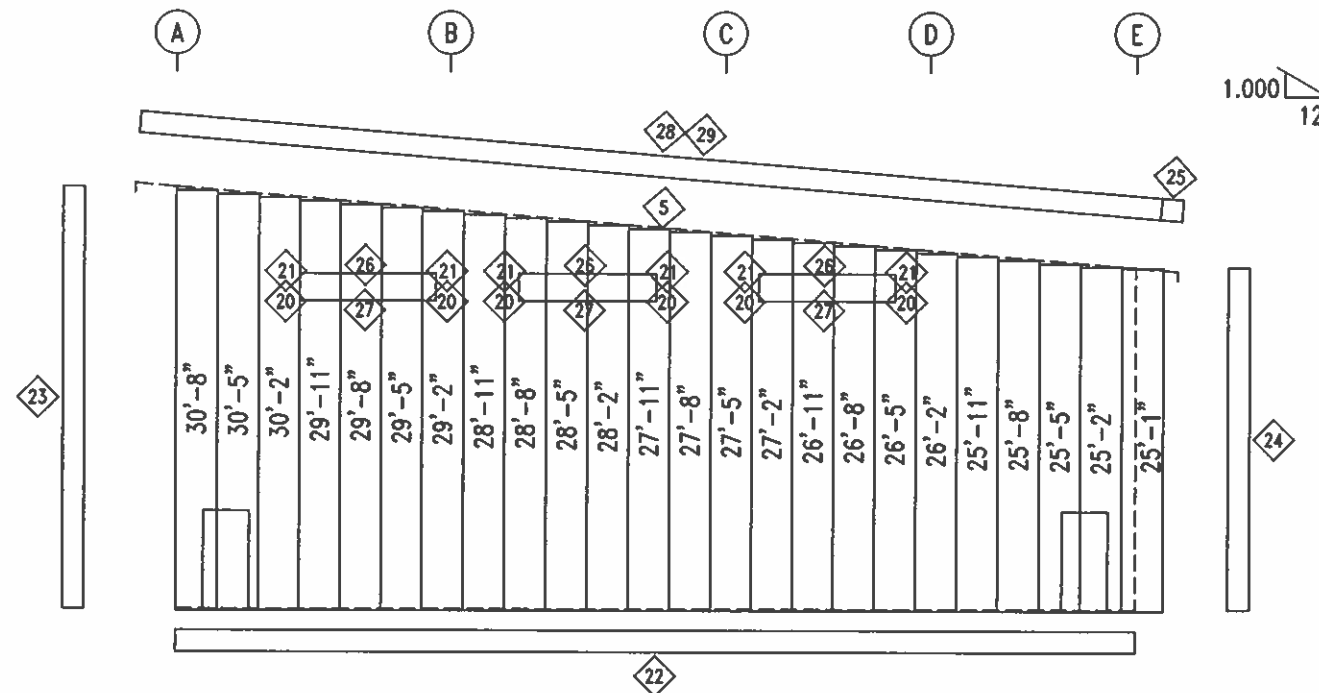


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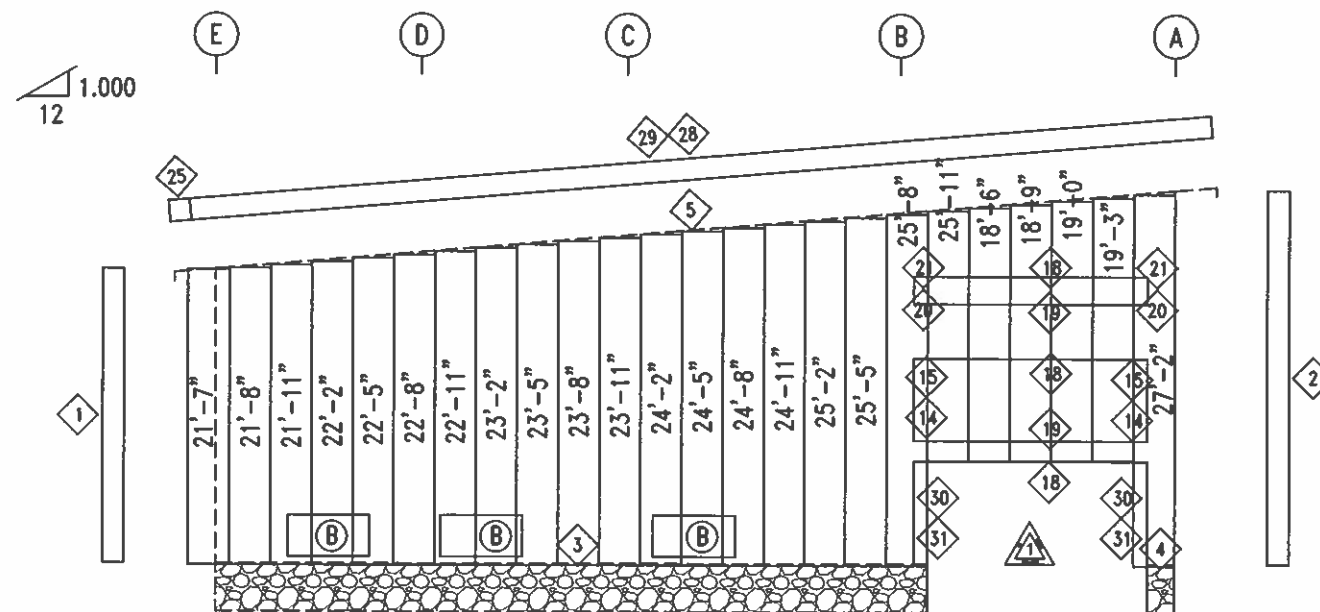


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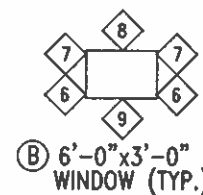
| SCALE:                  | JOB LOCATION   | REVISION                   |
|-------------------------|----------------|----------------------------|
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| OTEC                    |                | DRAWN BY<br>RPW            |
| APEX ELITE LINE ACADEMY |                | DRAWING NUMBER<br>31 OF 34 |



ENDWALL SHEETING: GRID 9  
PANELS: 26 Ga. PBR - WALL COLOR



ENDWALL SHEETING: GRID 1  
PANELS: 26 Ga. PBR - WALL COLOR



| TRIM TABLE<br>FRAME LINE 1 & 9 |        |        |
|--------------------------------|--------|--------|
| ID                             | MARK   | LENGTH |
| 1                              | S-11   | 21'-6" |
| 2                              | S-11   | 27'-6" |
| 3                              | ZF-1   | 27'-0" |
| 4                              | ZF-1   | 4'-0"  |
| 5                              | SC-S58 | 24'-0" |
| 6                              | JMBTRM | 3'-1"  |
| 7                              | JMBSTF | 3'-1"  |
| 8                              | HEDTRM | 7'-0"  |
| 9                              | SILTRM | 7'-0"  |
| 12                             | HEDTRM | 4'-0"  |
| 14                             | JMBTRM | 6'-1"  |
| 15                             | JMBSTF | 6'-1"  |
| 16                             | JMBTRM | 7'-4"  |
| 17                             | JMBSTF | 7'-4"  |
| 18                             | HEDTRM | 18'-0" |
| 19                             | SILTRM | 18'-0" |
| 20                             | JMBTRM | 2'-1"  |
| 21                             | JMBSTF | 2'-1"  |
| 22                             | BT2    | 24'-6" |
| 23                             | S-11   | 31'-0" |
| 24                             | S-11   | 25'-0" |
| 25                             | S188EC | 1'-0"  |
| 26                             | HEDTRM | 11'-0" |
| 27                             | SILTRM | 11'-0" |
| 28                             | S-188  | 26'-0" |
| 29                             | ST-11  | 26'-0" |
| 30                             | JMBTRM | 8'-0"  |
| 31                             | JMBSTF | 8'-0"  |

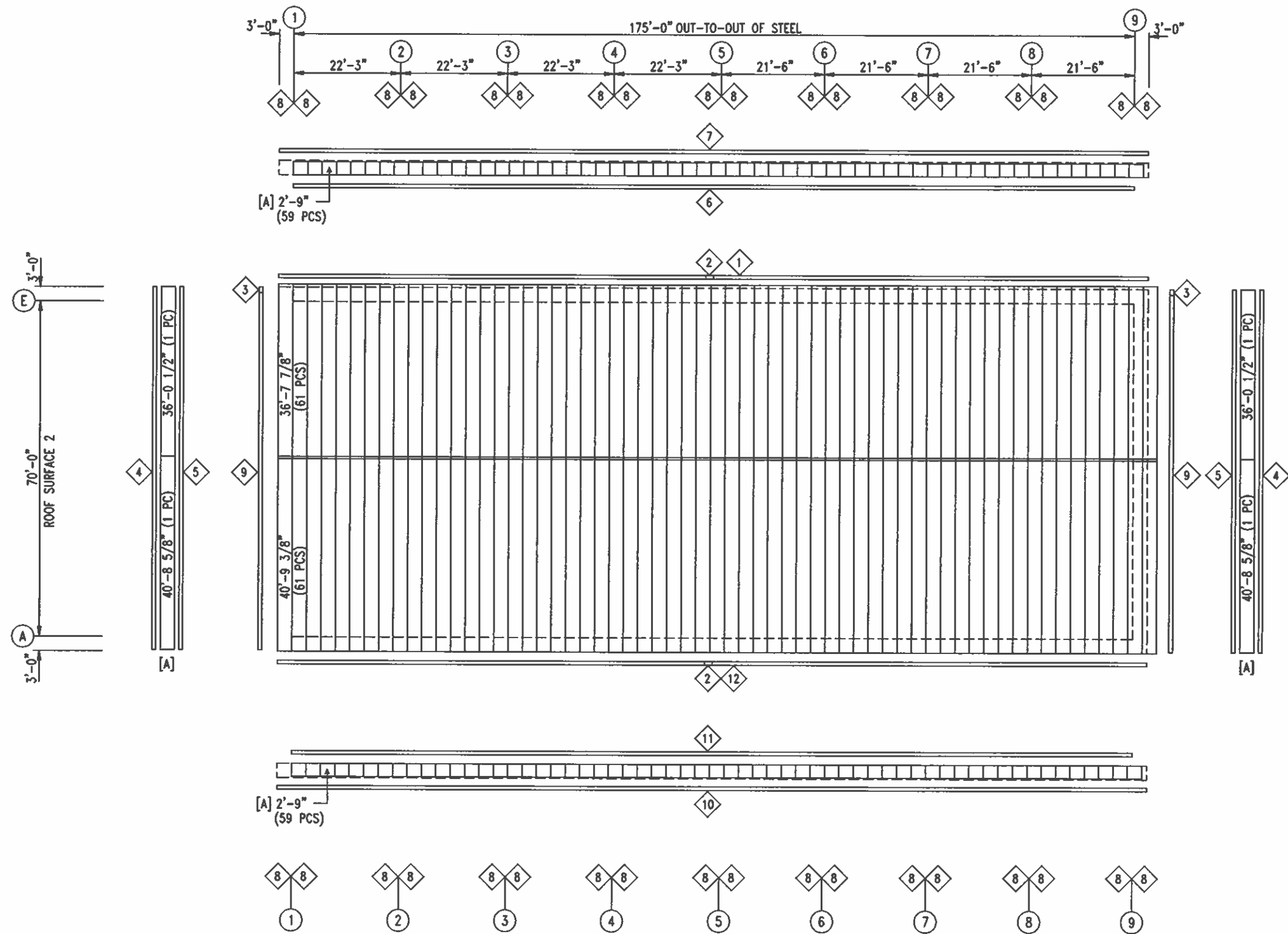
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| SCALE:                  | JOB LOCATION             | REVISION      |
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| DATE: 11/7/24           | BAKER CITY, OR           |               |
| OTEC                    | REVISED BY: RPW          | DRAWN BY: RPW |
| APEX ELITE LINE ACADEMY | DRAWING NUMBER: 32 of 34 |               |

| TRIM TABLE |           |        |
|------------|-----------|--------|
| ROOF PLAN  |           |        |
| ID         | MARK      | LENGTH |
| 1          | S-17      | 31'-0" |
| 2          | PKBOX     | 2'-6"  |
| 3          | S188EC    | 1'-0"  |
| 4          | ST-11     | 26'-0" |
| 5          | SC-S58    | 24'-0" |
| 6          | 3x3L-L    | 30'-0" |
| 7          | 8x3L-L    | 31'-0" |
| 8          | S-58      | 3'-0"  |
| 9          | S-188     | 26'-0" |
| 10         | 8x3L-H    | 31'-0" |
| 11         | 3x3L-H    | 30'-0" |
| 12         | HSSS S-17 | 31'-0" |



NOTE :  
ALIGN SOFFIT PANEL HI-RIB  
WITH ROOF/WALL PANEL HI-RIB.

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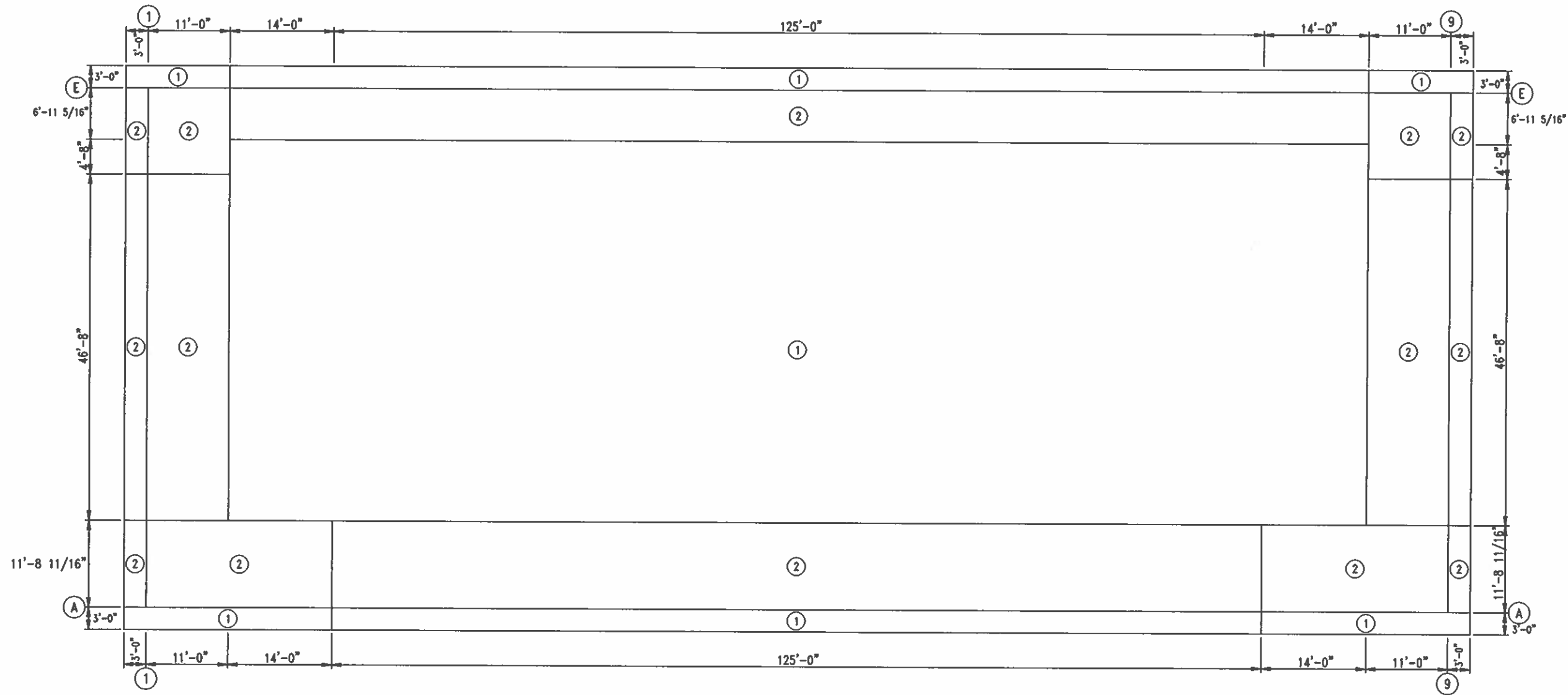


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| SCALE:                  | JOB LOCATION   | REVISION                |
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| OTEC                    |                | DRAWN BY RPW            |
| APEX ELITE LINE ACADEMY |                | DRAWING NUMBER 33 OF 34 |

ROOF SHEETING PLAN  
PANELS: 26 Ga. PBR - ROOF COLOR  
[A] SOFFIT PANELS: 26 Ga. PBR - WALL COLOR

| FASTENER TABLE |            |            |
|----------------|------------|------------|
| ○ ID           | SCREW PART | SPACE (in) |
| 1              | #12S       | 12.0       |
| 2              | #12S       | 6.0        |



PANEL ZONE LAYOUT  
(Minimum Fastener Spacing)

NOV 18 2024

STRUCTURAL  
REGISTERED PROFESSIONAL  
ENGINEER  
95267PE  
Brad Wallace  
OREGON  
SEP. 10, 2019  
BRAD WALLACE  
EXPIRES JUN 30 2026

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OTEC  
APEX ELITE LINE ACADEMY