



# SUNWARD STEEL BUILDINGS

6800 E. Hampden Ave • Denver, CO 80224 • 800-964-8335 • Fax 701-252-1988

PERMIT DRAWINGS

NOTE: THESE PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF THIS BUILDING ARE NOT TO BE USED FOR ERECTION PURPOSES. THESE PLANS ARE FOR BUILDING DEPARTMENT PERMIT PURPOSES ONLY. THE ANCHOR BOLT PLAN PORTION IS FOR CONSTRUCTION.

REVIEWED  
FOR  
CODE  
COMPLIANCE  
06/29/2022

- 1) Manufacturer's standard specifications apply unless stipulated in the contract documents, verification of your purchase order and shown within the approval drawings submitted to you from the manufacturer.
- 2) Manufacturer's design, fabrication quality criteria, standard practices, standard materials including primer coatings, and panel finish shall govern the specifications with any other interpretations to the contrary notwithstanding. It is understood by all parties that the Project Consultant/End Use Final Owner is responsible for clarification of inclusions or exclusions from specifications and/or architectural plans.
- 3) In case of discrepancies between manufacturer's plans and other trades including but not limited to foundation and architectural plans; manufacturers' plans will govern. (Section 3. AISC Codes of Standard Practices March 2000.)
- 4) Approval of manufacturers' drawings and calculations constitutes acceptance of manufacturer's interpretations, assumptions of design loads and contract documents. (Section 4. AISC Code of standard Practices March 2000.)
- 5) The Project Consultant/End Use Final Owner is responsible for overall project coordination. This includes all interface, compatibility and design considerations covering any materials not supplied or manufactured by Sunward Corporation. This is the ultimate responsibility of the Project Consultant / End Use Final Owner.
- 6) These drawings are subject to the terms of the manufacturer's Engineer's Letter of Certification. Adequacy of the design loads for the area is the responsibility of the Project Consultant/Final Owner. Drawings are sealed only to certify that the structural components to be furnished meet the design loads requested and listed in the Engineer Letter of Certification.
- 7) It is recommended that a qualified Registered Professional Engineer design the foundation. The manufacturer is not responsible for concrete design. See section A3 – Foundations, Metal Building Manufacturers Associations Metal Building Systems Manual.
- 8) Notice to the erectors: Normal erection procedures include corrections, which involve time to determine cause, downtime, use of rental or owned equipment, travel and communication with the manufacturer's service department. Normal erection procedures also include moderate amounts of reaming, field welding (if required by design), cutting, shimming, touch-up painting. These items are not subject to claim for back charges.
- 9) Any change or correction not reported prior to the work being performed will not be eligible for reimbursement. At no time shall an erector alter the structural design without prior approval from the manufacturer's design engineer and service department. Acceptance of correction procedures will not imply acceptance of a back charge unless such changes are accepted in writing; including pay rates, proposed man-hours. Downtime, equipment costs, supervision, overhead, profit, liquidated damages and consequential costs expense are not subject to claim.
- 10) The terms of the claim shall be in accordance with Section IV Common Industry Practices, Section 6. Erection and other fieldwork. Specifically, Section 6.10. "Correction of errors and repairs" of the Metal Building Manufactures Associations Metal Building Systems

Manual. For a claim form contact the customer services department of the manufacturer @ (701) 252-7390.

- 11) Claims must include written documentation, photographic documentation that shows detail, (part numbers, work performed) and any other pertinent information of completed work.
- 12) **Warning:** In no case should galvalume zinc steel panels be used in conjunction with lead or copper. Both have harmful corrosive effects on the galvalume zinc panels. Even run off from copper should be avoided.
- 13) **Safety:** It is strongly recommended that a safe working job site is a priority to the workforce. **Warnings:** Heights can be dangerous and all safety equipment that is applicable should be used. The manufacturer is not responsible for the work site safety or erection and has not investigated or recommended the erectors for its products. As such, the manufacturer is held harmless for erection quality, accidents, safety and possible OSHA violations. Find out more about OSHA regulations by visiting [www.osha.gov](http://www.osha.gov).
- 14) A325 Bolt tightening requirement. It is the responsibility of the erector to insure proper bolt tightness. See Bolt Tightening method in Erection Manual and general notes of the drawing.
- 15) Protection of primer. The manufacturer's standard primer applied to the structural components is not intended for exterior use or extended exposure to the elements. To protect the primer (structural components "Red Iron") should be covered so they are not exposed to water prior to erection. Water can cause the components to rust. It is recommended that the primed structural components be protected especially if they are not going to be erected immediately. There is no warranty on primer paint against flaking, peeling, fading or shipping abrasions. Touch-up paint will be provided for primer.
- 16) Insurance: It is recommended by the Manufacturer, and Project Consultant/ Final Owner agrees to maintain adequate coverage to insure against risk of loss from the time risk of loss passes, during unloading, delivery, and storage, through construction and after construction. Project Consultant/Final Owner understands that buildings are vulnerable to wind, water damage, and vandalism, before and during construction, and Project Consultant/Final Owner agrees to indemnify and hold Manufacturer harmless for any such damage or costs arising from same.
- 17) All claims for shortages or goods damaged during shipping must be noted on the Bill of Lading to qualify for repair, replacement or reimbursement.
- 18) Inventory must be performed at time of delivery. If inventory is refused then it shall waive project consultant's right for future claims.
- 19) Dummage shall remain the property of the trucking company.
- 20) Storage of materials. All materials, especially non-painted galvalume or galvanized panels must be protected. If this material is allowed to get wet or moisture is permitted to form (condensation) between the materials serious deterioration of the finish will occur. For your protection, if these

materials get wet, separate and dry all materials immediately. Metal shavings left on the panel finish will also cause panel finish deterioration.

- 21) The manufacturer's limited warranty does not provide for weather tightness. It is the ultimate responsibility of the erector to install the building materials in a manner that provides weather tightness. If the contractor / final owner / erector feels a condition exists that does not allow for weather tightness then additional materials or sealant can be requested. The proper amount of downspouts is the final owner's responsibility. All closures shall be installed. Especially at low pitch roof valleys, eave overhangs, valley gutters; sealant should be installed top and bottom of the closure. In some cases, metal closures should be considered at optional pricing. To help prevent water backup under the ends of roof panels, gutters, valleys and valley gutter should be kept clear of ice and snow, by installation of heated devices and/or snow jacks that prevent sliding snow, which are not included in the purchase to the manufacturer.

- 22) The project consultant/final owner is the entity, whether an individual or a company, which orders and purchases the appropriate building materials from the manufacturer for resale. The contractor or erector is the entity hired to construct or supervise construction of metal building materials, and any other construction facets of a building project as determined by the contract between the erector or contractor and the party retaining it. Neither the project consultant/final owner, erector, nor contractor are agents, representatives or employees of the manufacturer. The project consultant/final owner, erector or contractor maintain independent businesses over which the manufacturer has no control.

This is the case even when a final owner has contacted the manufacturer or the service center directly and obtained the names of one or more erectors in an area from whom he may purchase the manufacturer's products. The provision of such names is not a recommendation or guarantee of the skill, ability or good business methods of any given erector.

#### Important notice to bidder for installation of building components

Please be advised when providing a quotation for erection of the material, all accessories to be supplied may not be shown on the permit, approval or erection drawings. Please contact the project consultant/final owner for a complete accessory/option list and/or obtain and compare the manufacturer's verification of the purchase order with the drawings. This includes framed openings and walk-in doors, which in many cases are field located by the erector.

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |

## PROJECT CONSULTANT/FINAL OWNER RESPONSIBILITIES

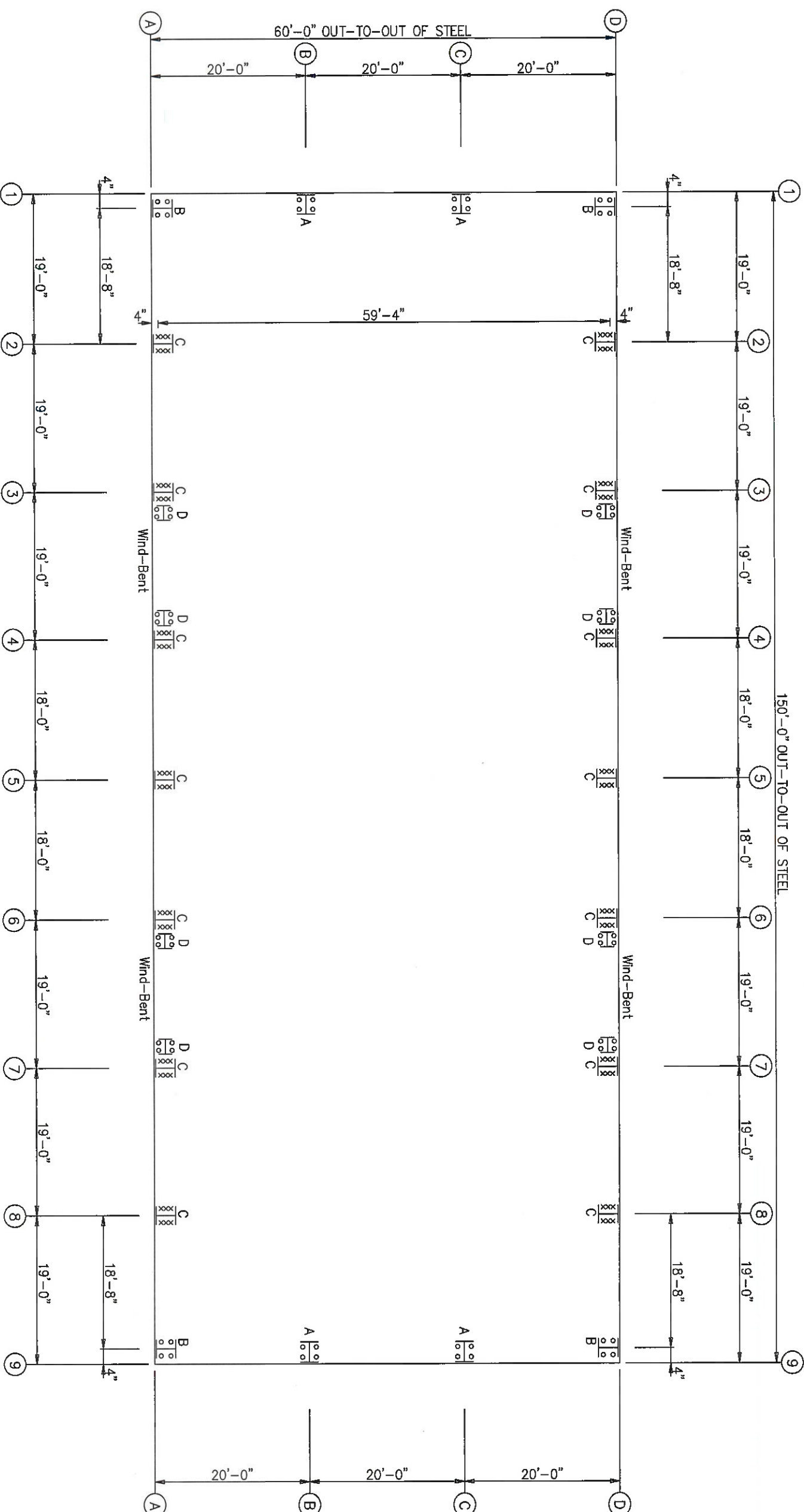
05/09



SUNWARD CORPORATION  
700 13th Ave. SE  
P.O. Box 110  
Jamestown, ND 58402  
(701) 252-7390

REVIEWED  
FOR  
CODE  
COMPLIANCE  
06/29/2022

O Dia= 3/4"  
X Dia= 7/8"



ANCHOR BOLT SETTING PLAN  
NOTE: ALL BASE PLATES AT ELEVATION 100'-0" (UNLESS NOTED)

|  |  |  |  |  |
|--|--|--|--|--|
| VERIFY WIDTH AND LENGTH DIMENSIONS   |  | MANUFACTURER (ND FACILITY) IS AN APPROVED FABRICATOR WITH THE FOLLOWING CERTIFICATIONS.  |  |  |
| CHECK YOUR ANCHOR BOLT SETTING PLAN TO MAKE CERTAIN THAT ALL THE DIMENSIONS SHOWN AGREE WITH THE DIMENSIONS ON YOUR VERIFICATION. DIMENSIONS SHOWN ON THE VERIFICATION REFER TO STEEL LINES (OUTSIDE FACE OF GIRTS/FRAMING) OF THE BUILDING. |  | IAS AC472 # MB-216 & MB-104<br>CSA A660 / CSA W47.1 DIVISION 2<br>CLARK COUNTY, NV/ # 248, SAN BERNARDINO COUNTY, CA/ # 285<br>CITY OF HOUSTON, CITY OF SEATTLE<br>CITY OF LOS ANGELES TYPE I FABRICATOR / LWS / HSS / #1015 |  |  |
| SHEETING DESCRIPTION   |  | MANUFACTURER (SC FACILITY) IS AN APPROVED FABRICATOR WITH THE FOLLOWING CERTIFICATIONS.  |  |  |
| ROOF SHEETING: 26 GA. HI-RIB<br>WALL SHEETING: 26 GA. HI-RIB<br>SOFFIT SHEETING: 26 GA. HI-RIB<br>EAVE/GABLE/F.O. TRIM COLOR: MG = Ash Gray<br>CORNER TRIM COLOR: BS = Burnished Slate   |  | COLOR: BS = Burnished Slate<br>COLOR: MG = Ash Gray<br>COLOR: MG = Ash Gray<br>COLOR: MG = Ash Gray  |  |  |
| Sunward Steel Buildings  |  | BUYER: Four Rivers Construction<br>CUST. : Four Rivers Construction<br>SITE : Hayden,CO<br>DESCR.: See Elevations<br>SCALE : NONE<br>P.O. : 104129   |  | DRAWN BY: AG<br>CHECK BY: MM<br>DATE: 10/27/22<br>SHEET NO. 104129 |

REVIEWED FOR CODE COMPLIANCE

06/29/2022

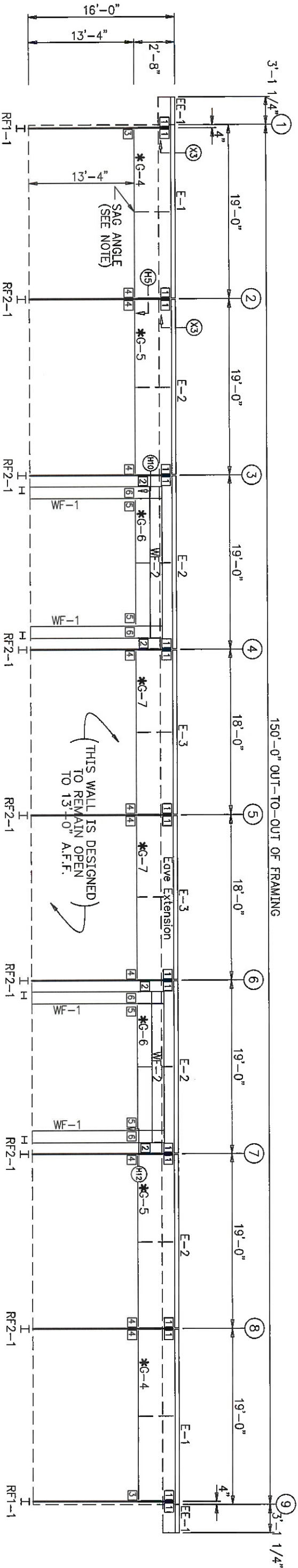
REVIEWED FOR CODE COMPLIANCE  
DATE: 06/29/2022  
SHEET NO. 104129





| MEMBER TABLE |        |  |
|--------------|--------|--|
| FRAME LINE A |        |  |
| MARK         | PART   |  |
| WF-1         | W12642 |  |
| WF-2         | W16642 |  |
| E-1          | 10C16  |  |
| E-2          | 10C16  |  |
| E-3          | 10C16  |  |
| EE-1         | 10CH16 |  |
| G-4          | 8Z16   |  |
| G-5          | 8Z16   |  |
| G-6          | 8Z16   |  |
| G-7          | 8Z16   |  |

| CONNECTION PLATES |           |  |
|-------------------|-----------|--|
| FRAME LINE A      |           |  |
| ID                | MARK/PART |  |
| 1                 | FC038     |  |
| 2                 | PB-3      |  |
| 3                 | FC033     |  |
| 4                 | FC034     |  |
| 5                 | FC032     |  |
| 6                 | ZA-55     |  |



ELEVATION AT: FRAME LINE A

\*INDICATES GIRT TO BE TOED DOWN.

**PRIMER NOTE**

BUILDING MANUFACTURER ADVISES THAT ALL PRIMED STEEL EXPOSED TO WEATHER BE COVERED WITH A RUST INHIBITIVE COATING (N.B.M.) BEFORE ASSEMBLY.

**SAG ANGLE NOTES:**

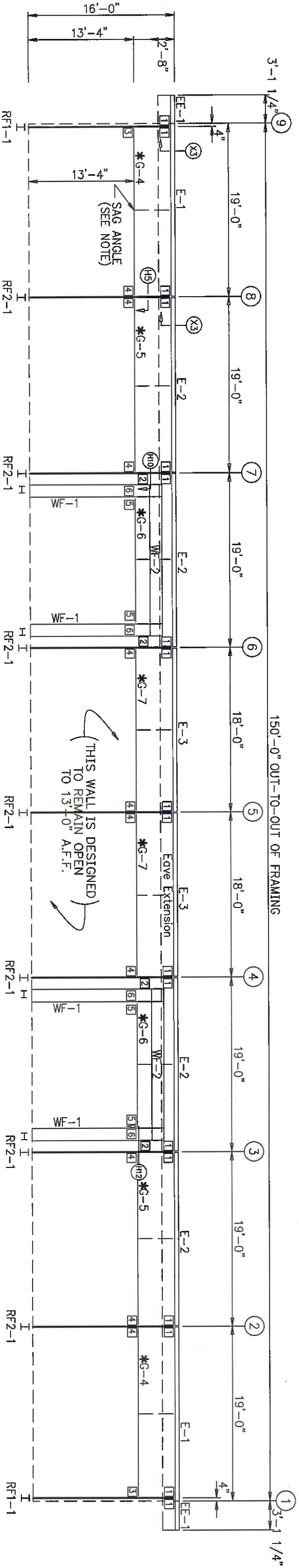
(MARK: PBA-10, SIZE: 1"x1"x16 GAGE)

IF SHOWN, LOCATE PBA-10 AS INDICATED ON DRAWINGS. ONE ROW IS AT MIDPOINT OF BAY, TWO ROWS ARE AT 1/3 POINTS OF BAY, THREE ROWS ARE AT 1/4 POINTS OF BAY.

| LEGEND   |  |   |
|--|--|---|
| A-<br>AB-<br>BA-<br>BCH-<br>BM-<br>BR-<br>BS-<br>CB-<br>CL-<br>DH-<br>DJ-<br>E-<br>EE-<br>EB-  | SPECIAL ANGLE<br>ANGLE BRACE<br>BASE/SHEETING ANGLE<br>BASE CHANNEL<br>BEAM<br>BRACKET<br>BOSS<br>CROSS BRACE<br>SPECIAL CLIP<br>DOOR HEADER<br>DOOR JAMB<br>EAVE STRUT<br>EAVE EXTENSION<br>EXTENSION BEAM  | EC-<br>ER-<br>FB-<br>FC-<br>G-<br>H-<br>J-<br>MB-<br>MC-<br>MU-<br>P-<br>PC-<br>PS-       |
| EC-<br>ER-<br>FB-<br>FC-<br>G-<br>H-<br>J-<br>MB-<br>MC-<br>MU-<br>P-<br>PC-<br>PS-  | ENDWALL COLUMN<br>ENDWALL RAFTER<br>FLANGE BRACE<br>FRAMING CLIP<br>GIRT<br>HEADER/SILL<br>JAMB<br>MEZZANINE BEAM<br>MEZZANINE/MANSARD COLUMN<br>MEZZANINE JOIST<br>PURLIN<br>PIPE/PARAPET COLUMN<br>PURLIN/PIPE STRUT   | R-<br>RB-<br>RCH-<br>RF-<br>SA-<br>SC-<br>SU-<br>SR-<br>T-<br>TC-<br>TR-<br>TS-<br>WF-    |
| R-<br>RB-<br>RCH-<br>RF-<br>SA-<br>SC-<br>SU-<br>SR-<br>T-<br>TC-<br>TR-<br>TS-<br>WF-   | RAFTER<br>ROOF BEAM<br>RAKE CHANNEL<br>SHEETING ANGLE<br>SIDEWALL/STUB/SOLIDIER COLUMN<br>SUBJAMB<br>SUPPORT RAFTER<br>TRIM<br>TUBE COLUMN<br>SPECIAL TRIM<br>TUBE STRUT<br>WIND FRAME   | ZA-<br>N.S.<br>O.C.<br>O.H.<br>R.O.<br>SIM.<br>T.B.D.<br>T.O.B.<br>T.O.J.<br>TYP.<br>U.N. |
| ZA-<br>N.S.<br>O.C.<br>O.H.<br>R.O.<br>SIM.<br>T.B.D.<br>T.O.B.<br>T.O.J.<br>TYP.<br>U.N.  | "Z" SHEETING ANGLE<br>A.F.F. ABOVE FINISH FLOOR<br>A.S. AS SHOWN<br>B. BUILDING LINE<br>C. CENTER LINE<br>F.F. FINISH FLOOR<br>F.O. FRAMED OPENING<br>F.O.C. FACE OF COLUMN<br>F.S. FAR SIDE<br>N.A. NOT APPLICABLE<br>N.B.M. NOT BY METAL BUILDING MANUFACTURER |   |
| <div><div><div>PROFESSIONAL ENGINEER</div><div>31893</div><div>SALEM G. SALEM</div><div>COLORADO REGISTERED</div></div><div>2/7/22</div></div>   |  |   |
| <div><div>Sunward Steel Buildings</div><div>BUYER : Four Rivers Construction<br/>CUST. : Four Rivers Construction<br/>SITE : Hayden, CO<br/>DESCR. : See Elevations<br/>SCALE : NONE<br/>P.O. : 104129</div><div>DRAWN BY: AG<br/>CHECK BY: <div>12/27/22</div><div>REVIEWED FOR CODE COMPLIANCE 06/29/2022</div><div>SHEET NO. E10F11</div></div></div> |  |   |

| MEMBER TABLE |        |  |
|--------------|--------|--|
| FRAME LINE D |        |  |
| MARK         | PART   |  |
| WF-1         | W12642 |  |
| WF-2         | W16642 |  |
| E-1          | 10C16  |  |
| E-2          | 10C16  |  |
| E-3          | 10C16  |  |
| EE-1         | 10CH16 |  |
| G-4          | 8Z16   |  |
| G-5          | 8Z16   |  |
| G-6          | 8Z16   |  |
| G-7          | 8Z16   |  |

| CONNECTION PLATES |           |  |
|-------------------|-----------|--|
| FRAME LINE D      |           |  |
| ID                | MARK/PART |  |
| 1                 | FC038     |  |
| 2                 | PB-3      |  |
| 3                 | FC033     |  |
| 4                 | FC034     |  |
| 5                 | FC032     |  |
| 6                 | ZA-55     |  |



ELEVATION AT: FRAME LINE D

\*INDICATES GIRT TO BE TOED DOWN.

PRIMER NOTE

BUILDING MANUFACTURER ADVISES THAT ALL PRIMED STEEL EXPOSED TO WEATHER BE COVERED WITH A RUST INHIBITIVE COATING (N.B.M.) BEFORE ASSEMBLY.

SAG ANGLE NOTES:

(MARK: PBA-10, SIZE: 1"x1"x16 GAGE)  
IF SHOWN, LOCATE PBA-10 AS INDICATED ON DRAWINGS. ONE ROW IS AT MIDPOINT OF BAY, TWO ROWS ARE AT 1/3 POINTS OF BAY, THREE ROWS ARE AT 1/4 POINTS OF BAY.

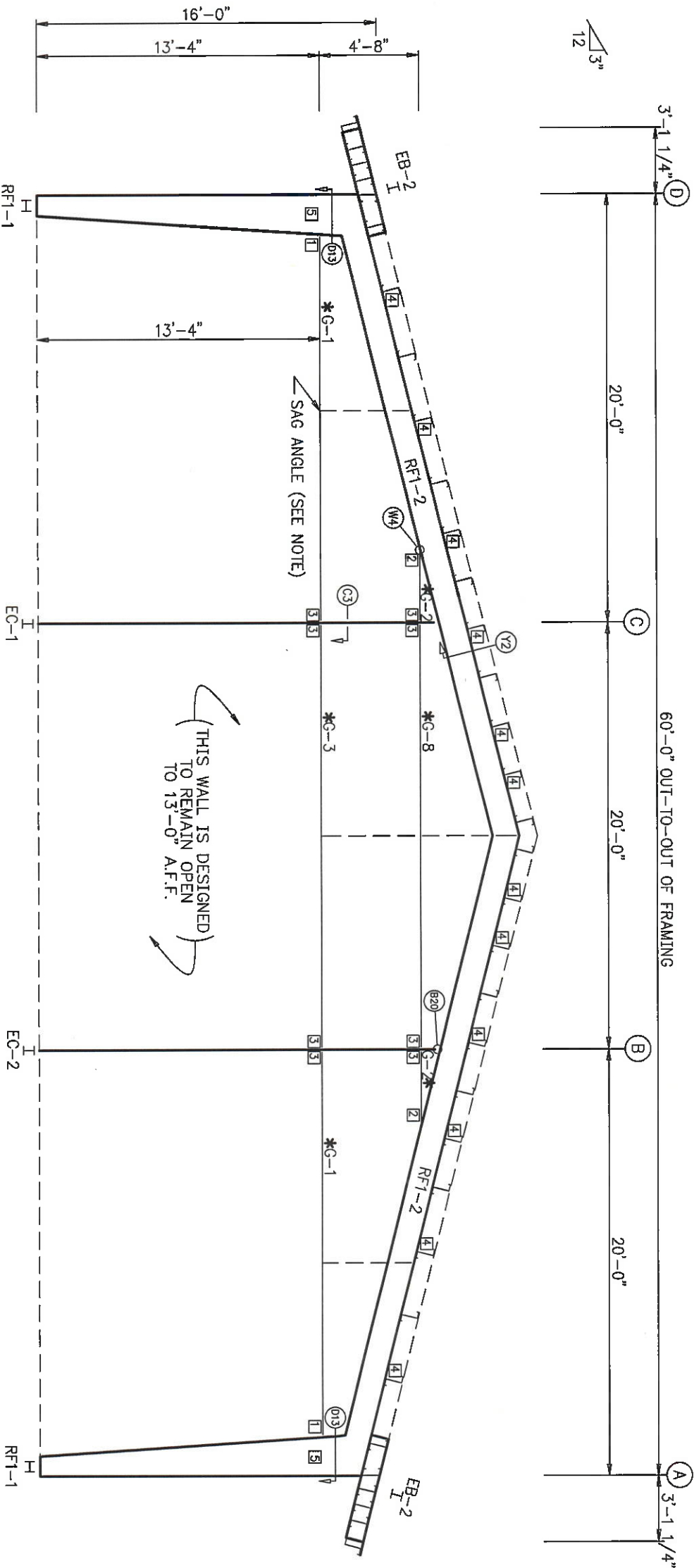
**Sunward Steel Buildings**

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR. : See Elevations  
SCALE : NONE  
P.O. : 104129

DRAWN BY: AG  
CHECK BY: **10/27/22**  
DESIGNED: **REVIEWED FOR CODE COMPLIANCE**  
SHEET NO. E20111

| MEMBER TABLE |          |
|--------------|----------|
| LINE 1       |          |
| PART         | MATERIAL |
| EB-2         | W10543   |
| EC-1         | W10642   |
| EC-2         | W10642   |
| G-1          | 8716     |
| G-2          | 8714     |
| G-3          | 8716     |
| G-8          | 8714     |

| CONNECTION PARTS |       |
|------------------|-------|
| LINE 1           |       |
| CID              | PART  |
| 1                | FC031 |
| 2                | FC046 |
| 3                | FC033 |
| 4                | FC008 |
| 5                | ZA-45 |



ELEVATION AT: LINE 1  
\*INDICATES GIRT TO BE TOED DOWN.

PRIMER NOTE

BUILDING MANUFACTURER ADVISES THAT ALL PRIMED STEEL EXPOSED TO WEATHER BE COVERED WITH A RUST INHIBITIVE COATING (N.B.M.) BEFORE ASSEMBLY.

SAG ANGLE NOTES:

(MARK: PBA-10, SIZE: 1"x1"x16 GAGE)  
IF SHOWN, LOCATE PBA-10 AS INDICATED ON DRAWINGS. ONE ROW IS AT MIDPOINT OF BAY, TWO ROWS ARE AT 1/3 POINTS OF BAY, THREE ROWS ARE AT 1/4 POINTS OF BAY.

COLD FORMED MEMBER ID, WHERE FORMAT IS: ABCC

SHAPE = C, L or I

EXAMPLE: 8C16

A = DEPTH IN INCHES: 4=4", 8=8", 10=10", 12=12"

B = MEMBER TYPE: C=Cee, Z=Zee, D=Back to Back Cee (FLANGE WIDTH PER TYPE: 4Z= 2 1/2", 8Z= 2 3/4", 10Z= 2 3/4", 12Z= 2 3/4", 4C= 2 1/2", 8C= 3", 10C= 3", 12C= 3")

CC = MATERIAL GAGE (THICKNESS)

X-BRACING MEMBER ID, WHERE FORMAT IS: AABBBB

EXAMPLE: CB0313

AA = X-BRACE TYPE: CB=CABLE, RB=ROD

BBBB = X-BRACE DIAMETER: 0313= 3/16", 0375= 3/8", 0500= 1/2", 0625= 5/8", 0750= 3/4", 0875= 7/8", 1000= 1", 1125= 1 1/8", 1250= 1 1/4"

BUILT-UP MEMBER ID, WHERE FORMAT IS: WAABCD

SHAPE = I

EXAMPLE: W08542

W = WELDED MEMBER TYPE

AA = MEMBER DEPTH IN INCHES

B = FLANGE WIDTH IN INCHES, 5=5", 6=6", 8=8", 0=10", 2=12"

C = FLANGE THICKNESS IN 1/16 INCH UNITS, 3= 3/16", 4= 1/4", 6= 3/8", 8= 1/2", 0= 5/8", 2= 3/4"

D = WEB THICKNESS IN 1/16 INCH UNITS, 2=.112", 3=.179", 4=.250", 5=.3125", 6=.375"

Colorado Registered Professional Engineer

31893

27122

Sunward Steel Buildings

BUYER : Four Rivers Construction

CUST. : Four Rivers Construction

SITE : Hayden, CO

DESCR. : See Elevations

SCALE : NONE

P.O. : 104129

DRAWN BY: AG

CHECK BY: 1027/222

DESIGNED: 1027/222

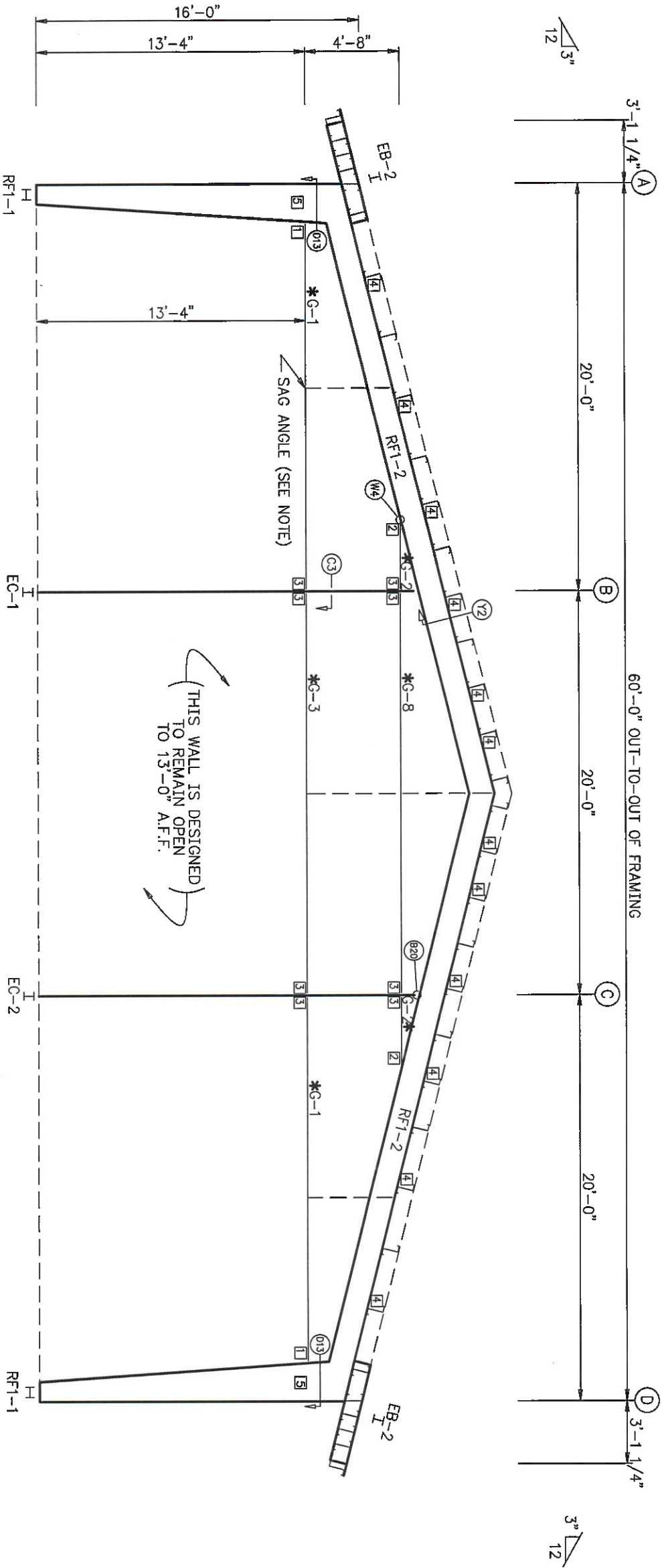
SHEET NO. E2 OF 11

REVIEWED FOR CODE COMPLIANCE

06/29/2022

| MEMBER TABLE |          |
|--------------|----------|
| LINE 9       |          |
| PART         | MATERIAL |
| EB-2         | W10S43   |
| EC-1         | W10642   |
| EC-2         | W10642   |
| G-1          | 8716     |
| G-2          | 8714     |
| G-3          | 8716     |
| G-8          | 8714     |

| CONNECTION PARTS |       |
|------------------|-------|
| LINE 9           |       |
| QID              | PART  |
| 1                | FC031 |
| 2                | FC046 |
| 3                | FC033 |
| 4                | FC008 |
| 5                | ZA-45 |



ELEVATION AT: LINE 9

\*INDICATES GIRT TO BE TOED DOWN.

PRIMER NOTE

BUILDING MANUFACTURER ADVISES THAT ALL PRIMED STEEL EXPOSED TO WEATHER BE COVERED WITH A RUST INHIBITIVE COATING (N.B.M.) BEFORE ASSEMBLY.

SAG ANGLE NOTES:

(MARK: PBA-10, SIZE: 1"x1"x16 GAGE)  
IF SHOWN, LOCATE PBA-10 AS INDICATED ON DRAWINGS. ONE ROW IS AT MIDPOINT OF BAY. TWO ROWS ARE AT 1/3 POINTS OF BAY, THREE ROWS ARE AT 1/4 POINTS OF BAY.



Sunward Steel Buildings

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR. : See Elevations  
SCALE : NONE  
P.O. : 104129

DRAWN BY: AG

CHECK BY:

DATE:

DESIGN:

SCALE:

P.O.:

SHEET NO.:

OF

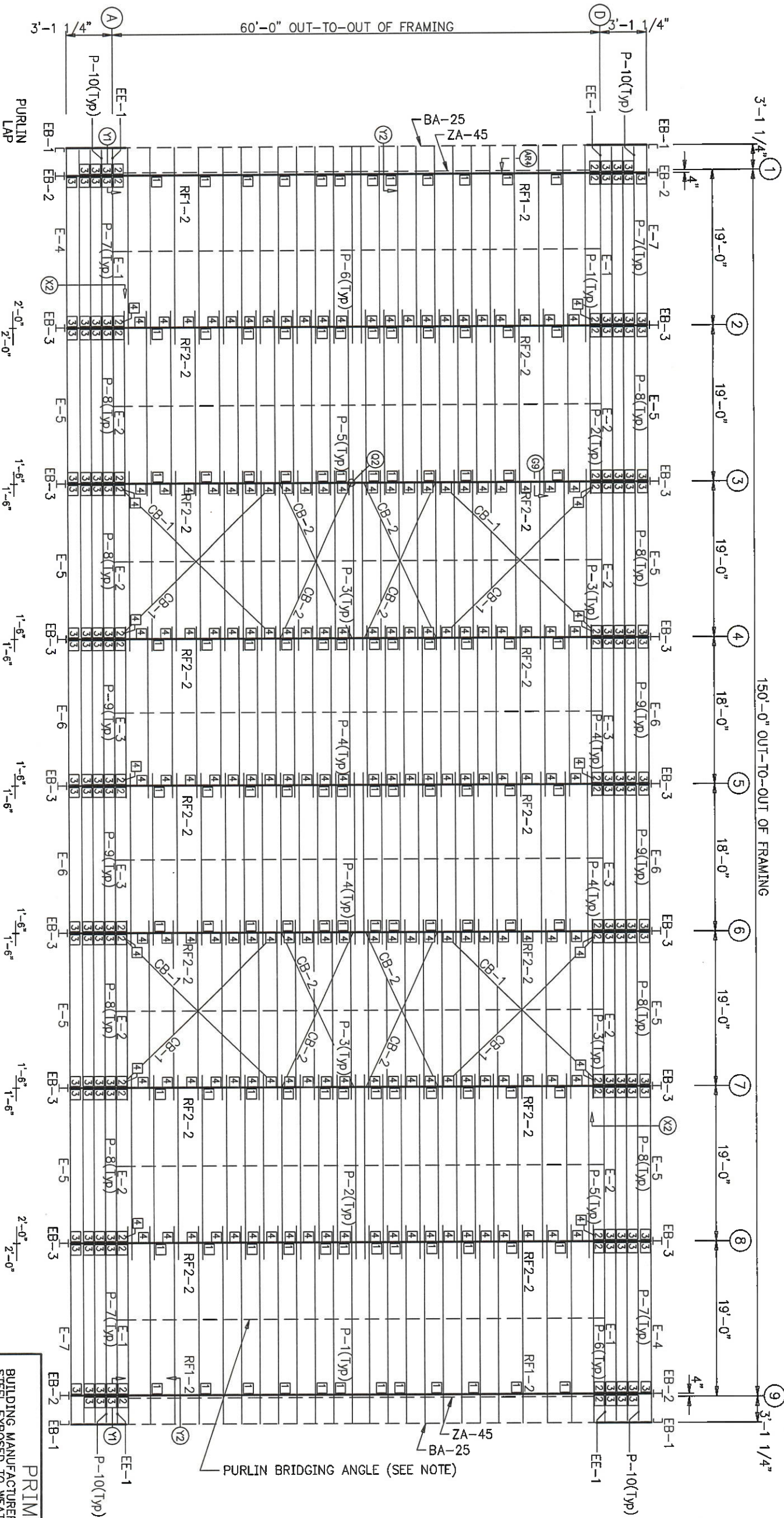
1

REVIEWED FOR CODE COMPLIANCE

DATE: 06/29/2022

| EXTENSION/CANOPY BOLTS |      |      |             |
|------------------------|------|------|-------------|
| ROOF PLAN              |      |      |             |
| MARK                   | QUAN | TYPE | DIA. LENGTH |
| EB-2                   | 8    | A325 | 3/4" 1 3/4" |
| EB-3                   | 8    | A325 | 7/8" 2 1/4" |

150'-0" OUT-TO-OUT OF FRAMING



| CONNECTION PLATES |       |
|-------------------|-------|
| ROOF PLAN         |       |
| CID MARK/PART     |       |
| 1                 | FC008 |
| 2                 | FC038 |
| 3                 | FC033 |
| 4                 | FC131 |

| MEMBER TABLE |             |
|--------------|-------------|
| ROOF PLAN    |             |
| MARK         | PART        |
| EB-1         | 10X2CH16    |
| EB-2         | W10S43      |
| EB-3         | W10S43      |
| P-1          | 10Z13       |
| P-2          | 10Z14       |
| P-3          | 10Z14       |
| P-4          | 10Z14       |
| P-5          | 10Z14       |
| P-6          | 10Z13       |
| P-7          | 10Z14       |
| P-8          | 10Z13       |
| P-9          | 10Z14       |
| P-10         | 10Z14       |
| E-1          | 10C16       |
| E-2          | 10C16       |
| E-3          | 10C16       |
| E-4          | 10Z14       |
| E-5          | 10Z14       |
| E-6          | 10Z14       |
| E-7          | 10Z14       |
| EE-1         | 10CH16      |
| CB-1         | 3/8" CABLE  |
| CB-2         | 5/16" CABLE |

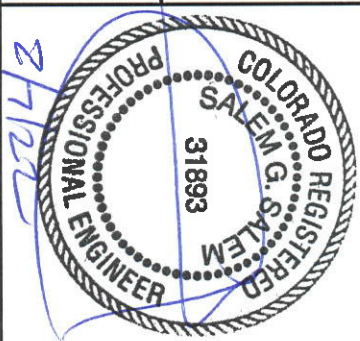
**PRIMER NOTE**  
BUILDING MANUFACTURER ADVISES THAT ALL PRIMED STEEL EXPOSED TO WEATHER BE COVERED WITH A RUST INHIBITIVE COATING (N.B.M.) BEFORE ASSEMBLY.

**PURLIN CLIP NOTES:**

- 1) PURLIN CLIP(S) AS REQUIRED, SEE ROOF FRAMING PLAN.
- 2) SEE DETAIL SECTIONS "A" ON ENDWALL ELEVATIONS FOR PURLIN TO RAFTER DETAILS.
- 3) LOCATE PURLIN CLIP INSIDE OF ROOF PURLIN.

**PURLIN BRIDGING ANGLE NOTES:**

(MARK: PBA-10, SIZE: 1"x1"x16 GAGE)  
IF SHOWN, LOCATE PBA-10 AS INDICATED ON DRAWINGS. ONE ROW IS AT MIDPOINT OF BAY, TWO ROWS ARE AT 1/3 POINTS OF BAY, THREE ROWS ARE AT 1/4 POINTS OF BAY.

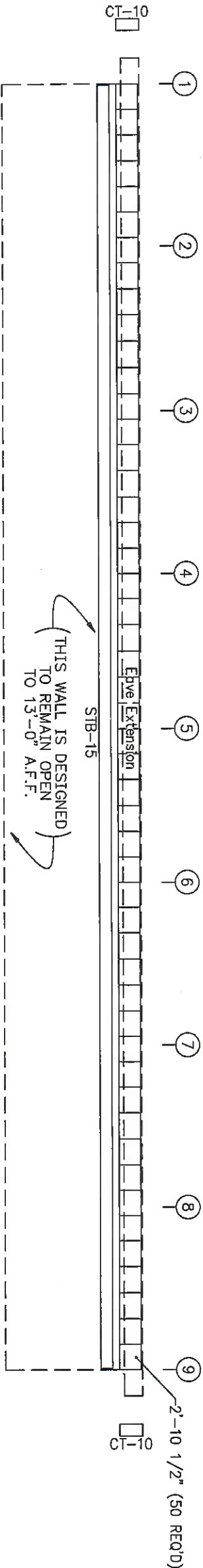


Sunward Steel Buildings

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR. : See Elevations  
SCALE : NONE  
P.O. : 104129

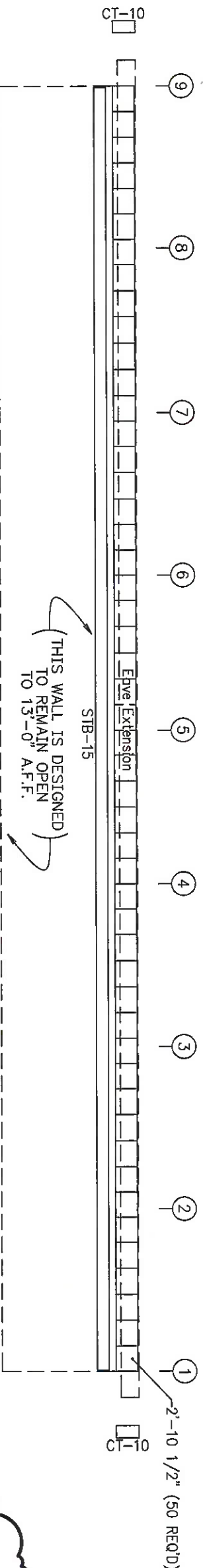
DRAWN BY: AG  
CHECK BY: **REVIEWED FOR CODE COMPLIANCE**  
DATE: 06/29/2022  
SHEET NO. E30011

| TRIM TABLE       |        |        |          |
|------------------|--------|--------|----------|
| FRAME LINE A & D |        |        |          |
| ◊ID              | PART   | LENGTH | DETAIL   |
|                  | CT-10  | 122"   | TRIM_30  |
|                  | STB-15 | 182"   | TRIM_150 |



ELEVATION AT: FRAME LINE A

26 Gd. HR

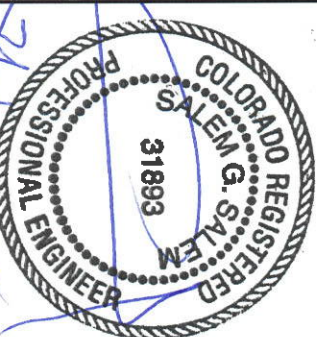


ELEVATION AT: FRAME LINE D

26 Gd. HR

**IMPORTANT NOTE!**  
TRIM OVERLAP TO BE 1½" (MAXIMUM). REFER TO PAGE 32 OF THE BUILDING ERECTION MANUAL.

- SHEETING NOTES:**
- 1) WALL SHEETS TO BE FIELD CUT AT FRAMED OPENINGS AS REQUIRED.
  - 2) ROOF PITCHES GREATER THAN 1:12 REQUIRE WALL SHEETS TO BE FIELD CUT AT THE SLOPE OF BUILDING.



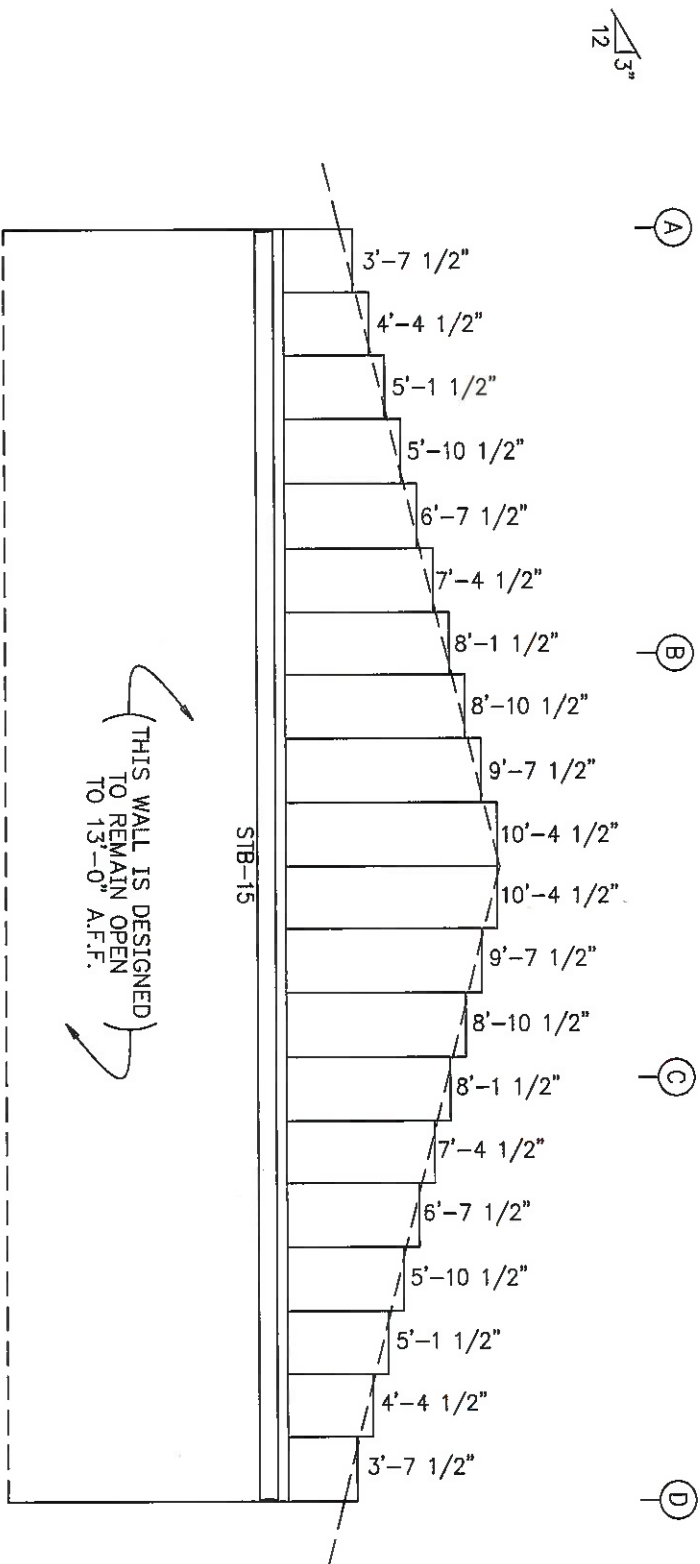
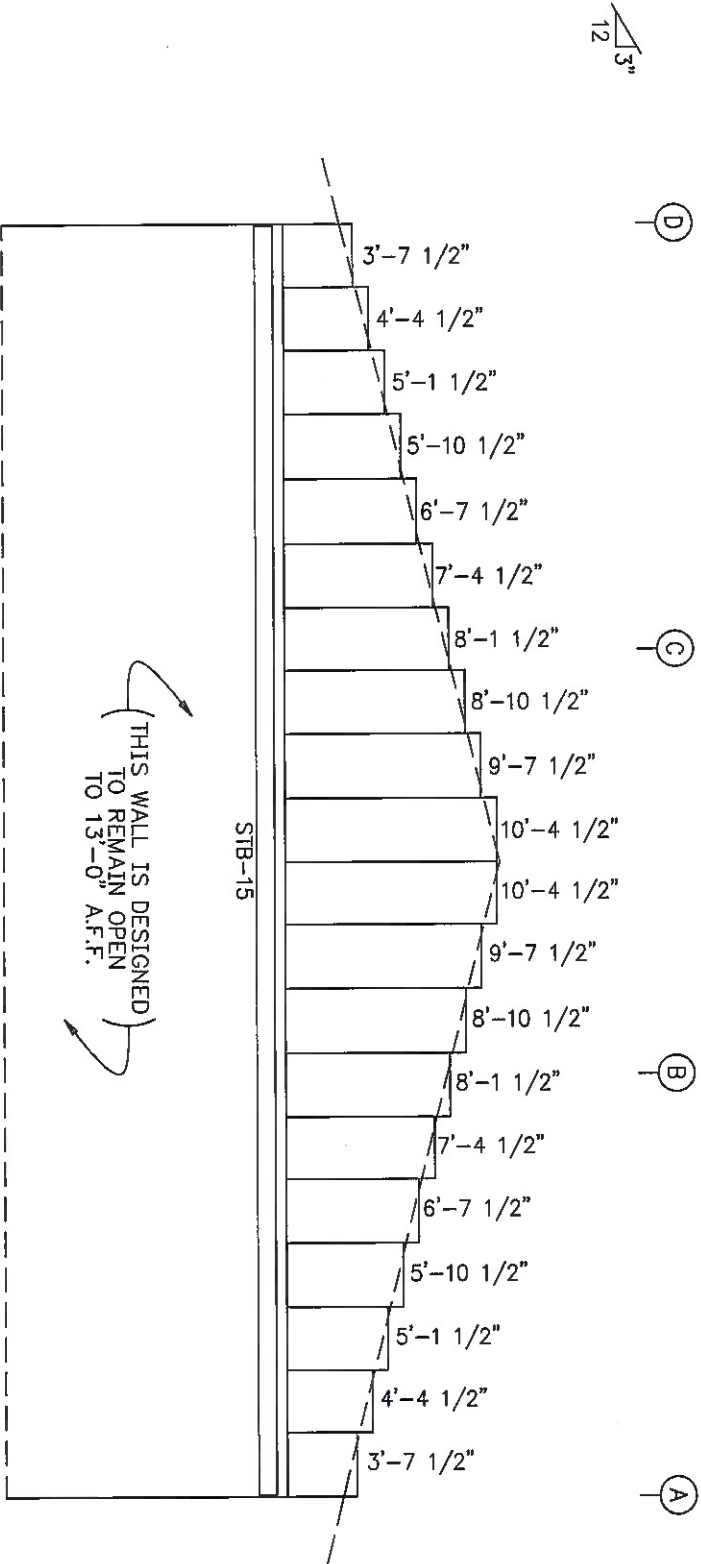
**Sunward Steel Buildings**

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hoyden, CO  
DESCR. : See Elevations  
SCALE : NONE  
P.O. : 104129

DRAWN BY: AG  
CHECK BY: 12/27/22  
DESIGNED: 06/29/2022  
SHEET NO. E0612

**REVIEWED FOR CODE COMPLIANCE**

| TRIM TABLE |        |          |  |
|------------|--------|----------|--|
| LINE 1 & 9 | LENGTH | DETAIL   |  |
| STB-15     | 1182"  | TRIM-150 |  |



**IMPORTANT NOTE!**

TRIM OVERLAP TO BE 1 1/2" (MAXIMUM). REFER TO PAGE 32 OF THE BUILDING ERECTION MANUAL.

**SHEETING NOTES:**

- 1) WALL SHEETS TO BE FIELD CUT AT FRAMED OPENINGS AS REQUIRED.
- 2) ROOF PITCHES GREATER THAN 1:12 REQUIRE WALL SHEETS TO BE FIELD CUT AT THE SLOPE OF BUILDING.

**Sunward Steel Buildings**

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR. : See Elevations  
SCALE : NONE  
P.O. : 104129

DRAWN BY: AG

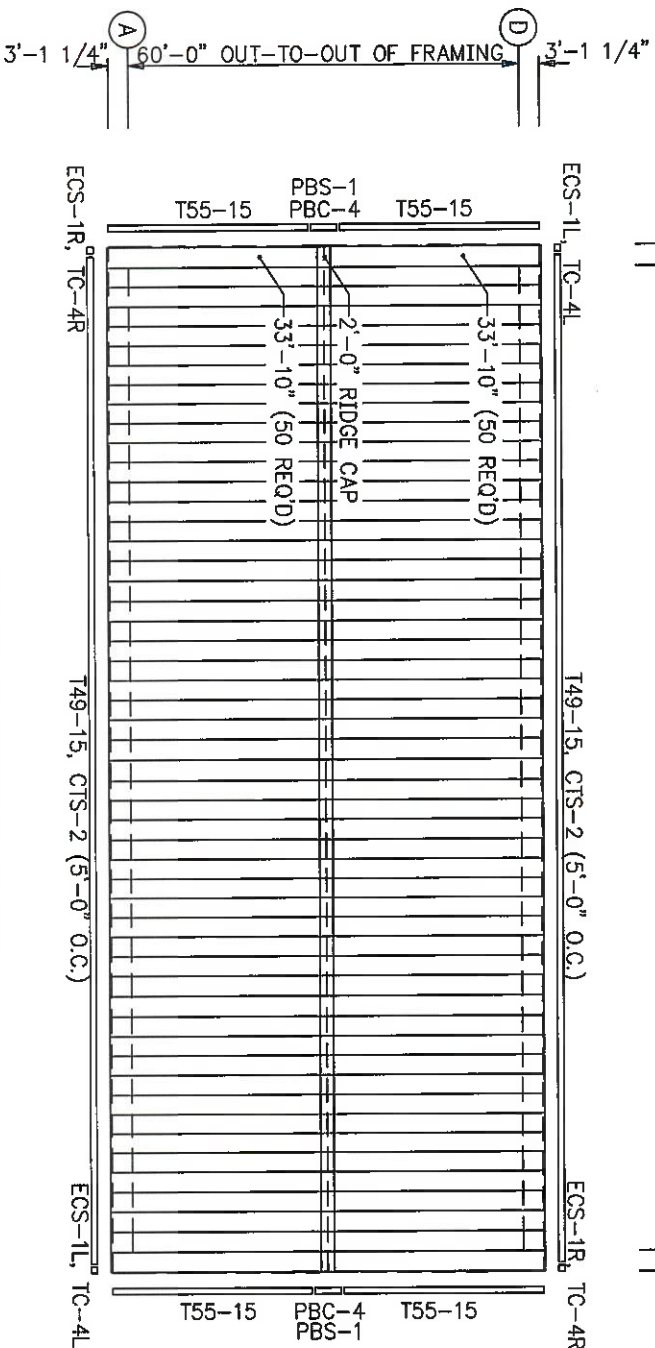
CHECK BY: 12/7/22

DESIGNED BY: 06/29/2022

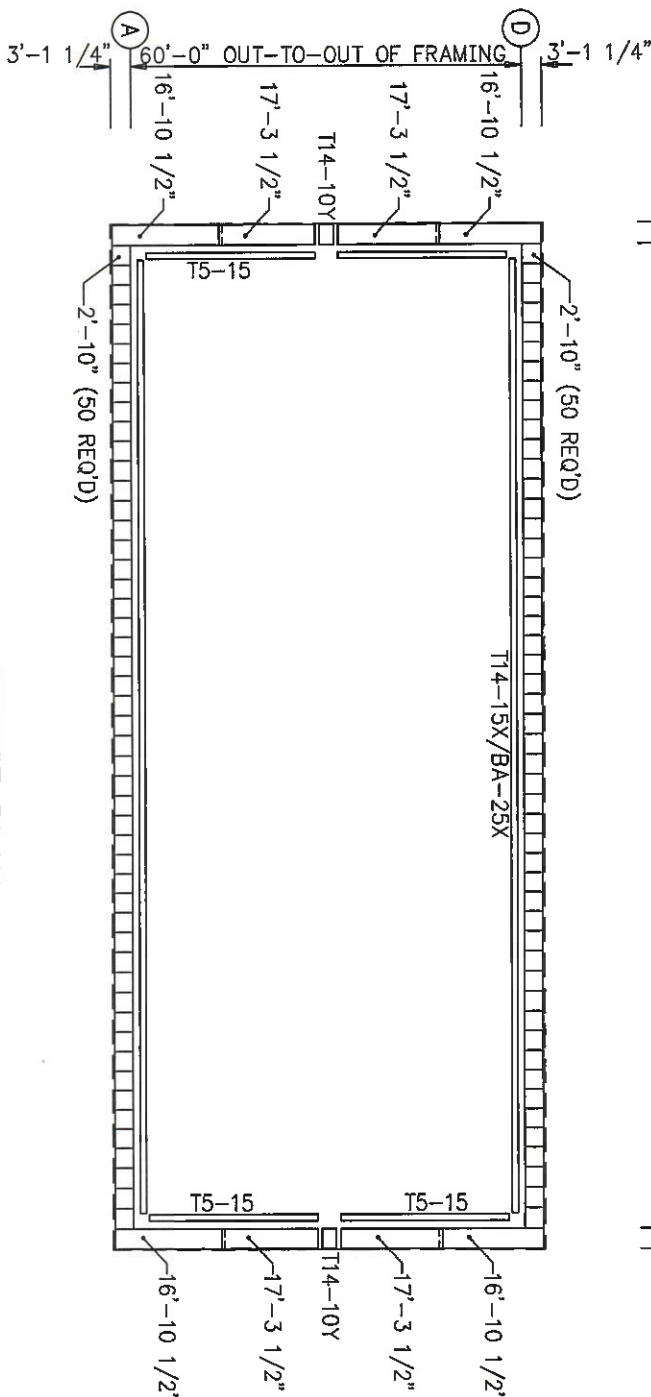
SHEET NO. E104129



| TRIM TABLE |          |        |          |
|------------|----------|--------|----------|
| ROOF PLAN  |          |        |          |
| ID         | PART     | LENGTH | DETAIL   |
| T49-15     | TRIM_110 | 182"   | TRIM_110 |
| ECS-1R     | TRIM_127 |        | TRIM_127 |
| ECS-1L     | TRIM_127 |        | TRIM_127 |
| T55-15     | TRIM_113 | 182"   | TRIM_113 |
| PBC-4      | TRIM_129 |        | TRIM_129 |
| T5-15      | TRIM_113 | 182"   | TRIM_113 |
| T14-15X    | TRIM_110 | 182"   | TRIM_110 |
| T14-10X    | TRIM_111 | 182"   | TRIM_111 |



ROOF SHEETING PLAN



SOFFIT PLAN  
26 Ga. HR  
(REFLECTIVE VIEW)

**IMPORTANT NOTE!**  
TRIM OVERLAP TO BE 1 1/2" (MAXIMUM). REFER TO PAGE 32 OF THE BUILDING ERECTION MANUAL.

PROFESSIONAL ENGINEER  
SALEM G. SALEM  
31893  
COLORADO REGISTERED

2/7/22

Sunward Steel Buildings

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR.: See Elevations  
SCALE : NONE  
P.O. : 104129

DRAWN BY: AG  
CHECK BY: VZ/7/22  
DESIGNED BY: VZ/7/22  
SHEET NO. E00F-11

REVIEWED FOR CODE COMPLIANCE  
06/29/2022

| SPICE PLATE & BOLT TABLE |     |     |     |     |      |      |
|--------------------------|-----|-----|-----|-----|------|------|
| Mark                     | Qty | Top | Bot | Int | Type | Dia  |
| SP-1                     | 4   | 4   | 0   | 0   | A325 | 3/4" |

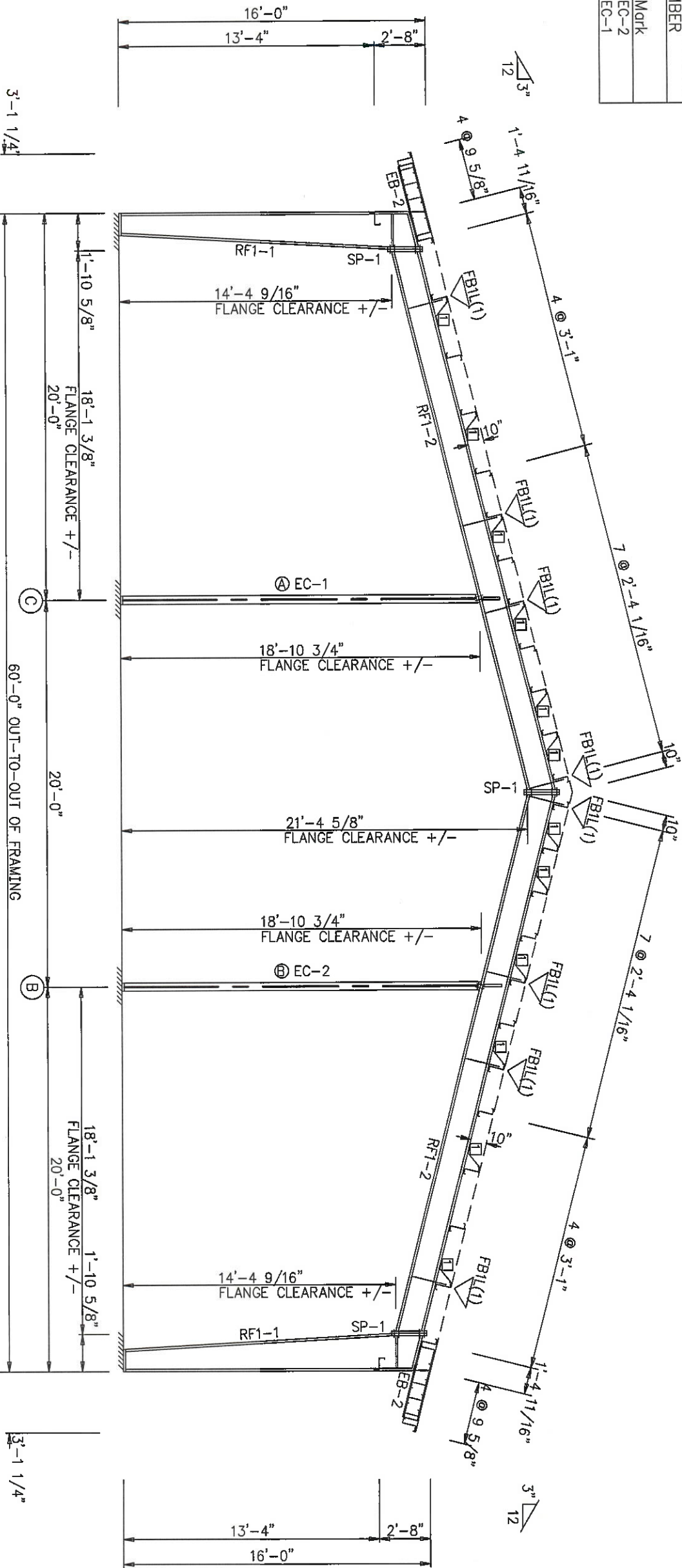
| CAP PLATE BOLTS |     |      |      |
|-----------------|-----|------|------|
| Mark            | Qty | Type | Dia  |
| EC-1            | 4   | A325 | 3/4" |
| EC-2            | 4   | A325 | 3/4" |

| ALTERNATE MEMBER |     |      |
|------------------|-----|------|
| Frame Line       | OID | Mark |
| 9                | A   | EC-2 |
|                  | B   | EC-1 |

▽ FLANGE BRACES: BOTH SIDES (U.N.) OR  
PIECE MARK FOLLOWED BY (1)= 1 SIDE ONLY  
FBXL= 1 1/2" x 1 1/2" x 1/8" H.R. ANGLE

| MEMBER TABLE |           |           |                |
|--------------|-----------|-----------|----------------|
| Mark         | Web Depth | Web Plate | Outside Flange |
| RF1-1        | 11.0/18.8 | 11 ga.    | 10'-0"         |
| RF1-2        | 18.8/22.0 | 11 ga.    | 4'-0 9/16"     |
| EC-1         | 22.0/22.0 | 0.179     | 1'-5 15/16"    |
| EC-2         | 14.0/14.0 | 0.179     | 9'-5 1/2"      |
| EB-2         | 14.0/14.0 | 0.179     | 10'-0"         |
|              | W10543    |           | 9'-8 5/8"      |

| CONNECTION PLATES |           |  |
|-------------------|-----------|--|
| ID                | Mark/Part |  |
| 1                 | FC008     |  |



RIGID FRAME ELEVATION: FRAME LINE 1 9

PRIMER NOTE  
BUILDING MANUFACTURER ADVISES THAT ALL PRIMED  
STEEL EXPOSED TO WEATHER BE COVERED WITH A  
RUST INHIBITIVE COATING (N.B.M.) BEFORE ASSEMBLY.



Sunward Steel Buildings  
BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR. : See Elevations  
SCALE : NONE  
P.O. : 104129  
DRAWN BY: AG  
CHECK BY: 12/17/22  
DESIGNED: 12/17/22  
REVIEWED: 12/17/22  
FOR CODE COMPLIANCE  
SHEET NO. E000511

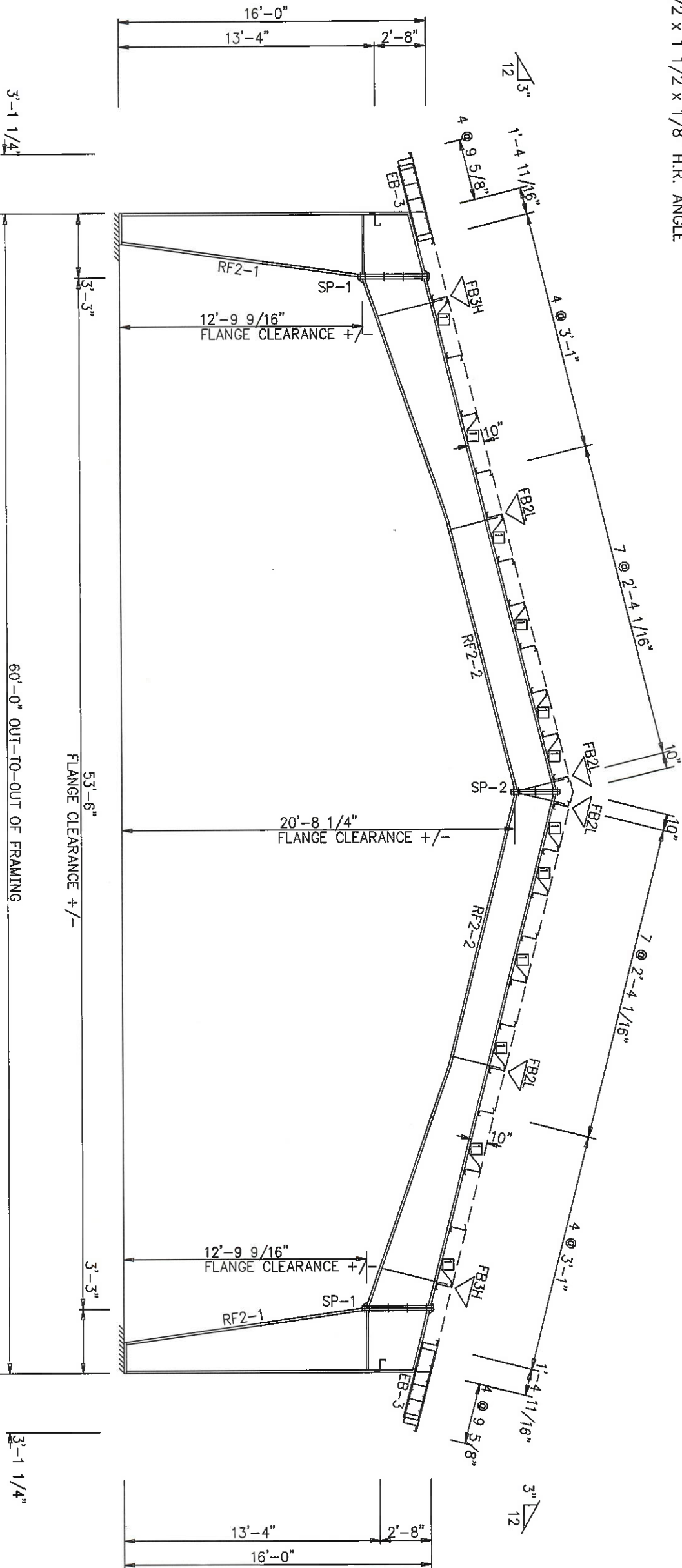
| SPICE PLATE & BOLT TABLE |     |     |     |     |      |      |
|--------------------------|-----|-----|-----|-----|------|------|
| Mark                     | Qty | Top | Bot | Int | Type | Dia  |
| SP-1                     | 4   | 4   | 4   | 4   | A325 | 1"   |
| SP-2                     | 4   | 4   | 4   | 2   | A325 | 3/4" |

FLANGE BRACES: BOTH SIDES (U.N.) OR  
PIECE MARK FOLLOWED BY (1)= 1 SIDE ONLY

FBxH= 2 1/2" x 2 1/2" x 3/16" H.R. ANGLE  
FBxL= 1 1/2" x 1 1/2" x 1/8" H.R. ANGLE

| MEMBER TABLE |           |           |            | Outside Flange          |                       | Inside Flange         |
|--------------|-----------|-----------|------------|-------------------------|-----------------------|-----------------------|
| Mark         | Web Depth | Web Plate | Length     | W x Thk x Length        | W x Thk x Length      | W x Thk x Length      |
| RF2-1        | 16.0/33.7 | 1/4"      | 10'-0"     | 8 x 1/4" x 5'-0"        | 8 x 1/2" x 5'-0 9/16" | 8 x 5/8" x 7'-6 5/16" |
| RF2-2        | 33.7/38.0 | 1/4"      | 2'-5 5/16" | 8 x 3/8" x 10'-0 13/16" | 8 x 3/8" x 3'-3 7/16" | 6 x 5/8" x 8'-2 7/8"  |
| EB-3         | 38.0/38.0 | 5/16"     | 3'-5 1/16" | 8 x 3/8" x 12'-5 3/8"   | 6 x 1/2" x 10'-0"     | 6 x 1/2" x 5'-0 3/16" |
|              | 36.0/27.3 | 1/4"      | 5'-0"      | 6 x 3/8" x 10'-0"       | 6 x 3/8" x 5'-0"      | 6 x 1/4" x 4'-6 7/16" |
|              | 27.3/22.0 | 0.179     | 10'-0"     |                         |                       |                       |
|              | 22.0/22.0 | 0.179     | 5'-0"      |                         |                       |                       |
|              | 22.0/22.0 | 0.179     | 5'-0"      |                         |                       |                       |

| CONNECTION PLATES |           |  |
|-------------------|-----------|--|
| ID                | Mark/Part |  |
| 1                 | FC008     |  |



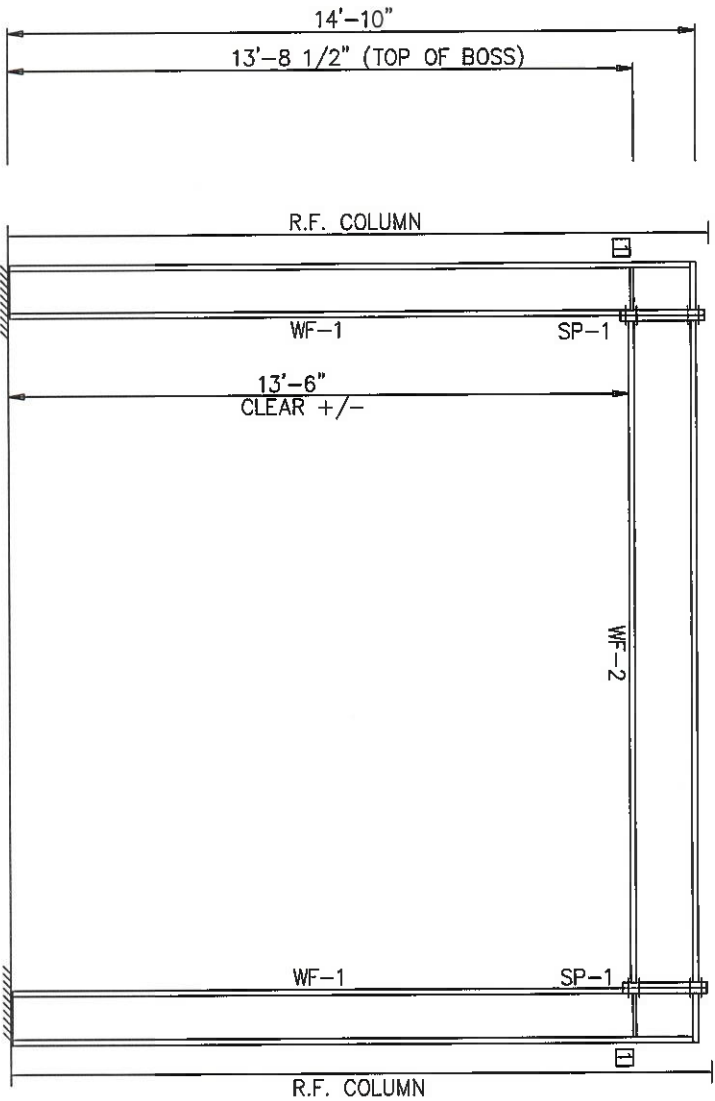
RIGID FRAME ELEVATION: FRAME LINE 2 3 4 5 6 7 8

PRIMER NOTE  
BUILDING MANUFACTURER ADVISES THAT ALL PRIMED  
STEEL EXPOSED TO WEATHER BE COVERED WITH A  
RUST INHIBITIVE COATING (N.B.M.) BEFORE ASSEMBLY.

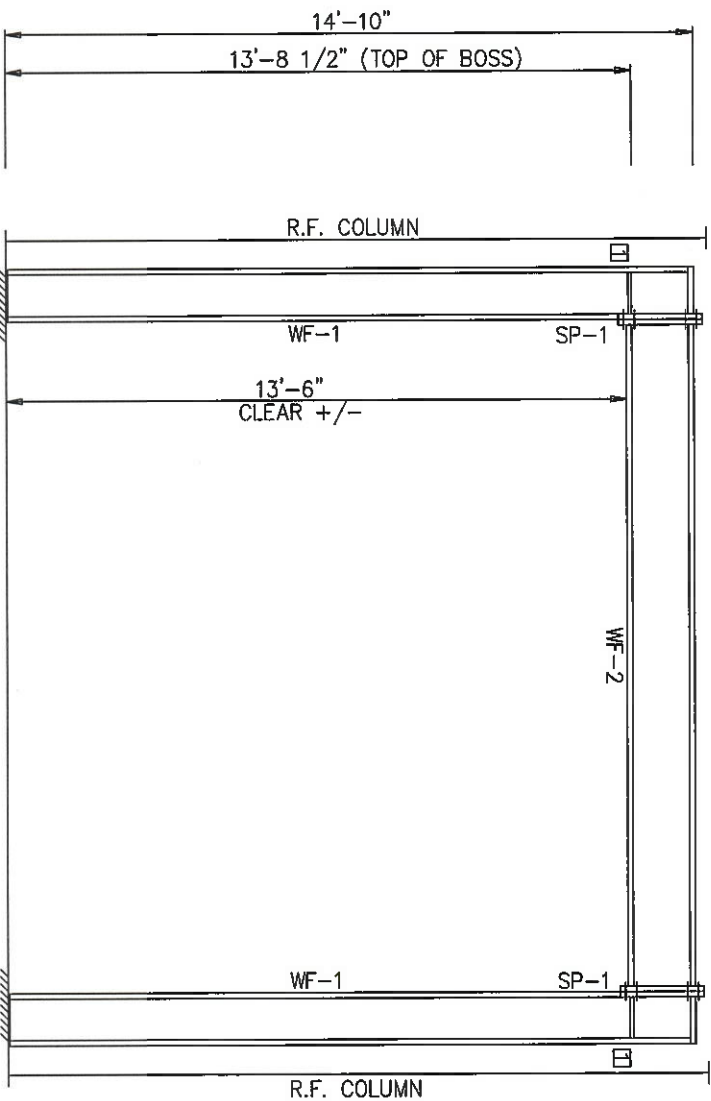


Sunward Steel Buildings  
BUYER: Four Rivers Construction  
CUST.: Four Rivers Construction  
SITE: Hoyden, CO  
DESCR.: See Elevations  
SCALE: NONE  
P.O.: 104129  
DRAWN BY: AG  
CHECK BY: 12/7/22  
DESIGNED: 12/7/22  
REVIEWED FOR CODE COMPLIANCE: 06/29/2022  
SHEET NO. E 0011

| SPLICE PLATES & BOLTS |      |        |      |            |
|-----------------------|------|--------|------|------------|
| Splice Mark           | Quan |        | Bolt |            |
|                       | Top  | Bot    | Type | Dia        |
| SP-1                  | 4    | 4      | A325 | 7/8"       |
|                       |      | Length |      | Plate Size |
|                       |      |        |      | Width      |
|                       |      |        |      | Thick      |
|                       |      |        |      | Length     |
|                       |      |        |      | 6"         |
|                       |      |        |      | 3/4"       |
|                       |      |        |      | 1'-10 3/4" |




WIND BENT ELEVATION: FRAME LINE A



WIND BENT ELEVATION: FRAME LINE D

| MEMBER SIZE TABLE |        |  |
|-------------------|--------|--|
| MARK              | MEMBER |  |
| WF-2              | W16x42 |  |
| WF-1              | W12x42 |  |
| CONNECTION PARTS  |        |  |
| ID                | PART   |  |
| 1                 | PB-3   |  |

PRIMER NOTE  
BUILDING MANUFACTURER ADVISES THAT ALL PRIMED STEEL EXPOSED TO WEATHER BE COVERED WITH A RUST INHIBITIVE COATING (N.B.M.) BEFORE ASSEMBLY.

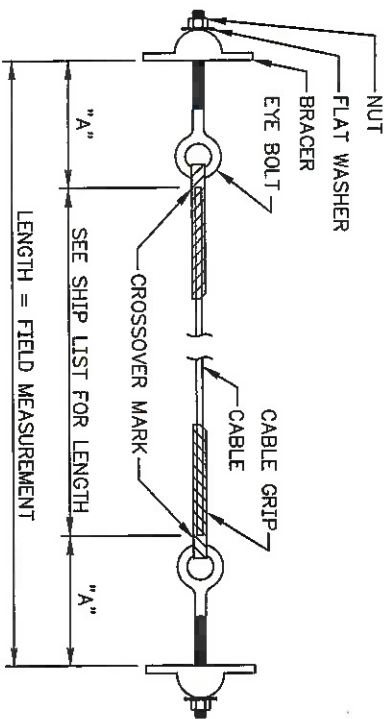


**Sunward Steel Buildings**

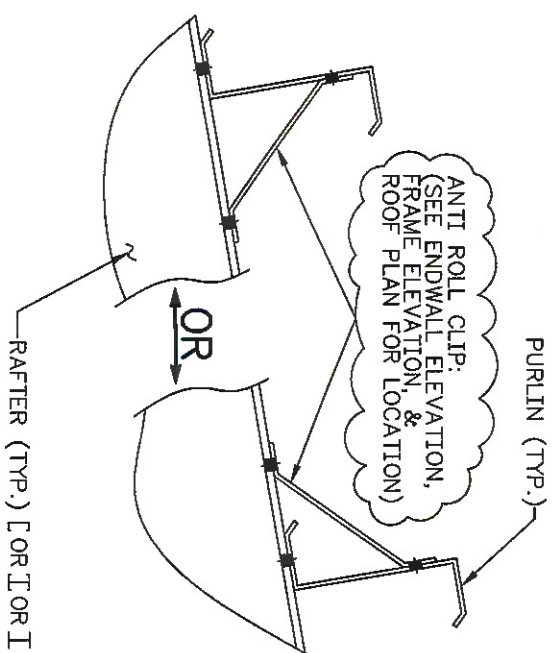
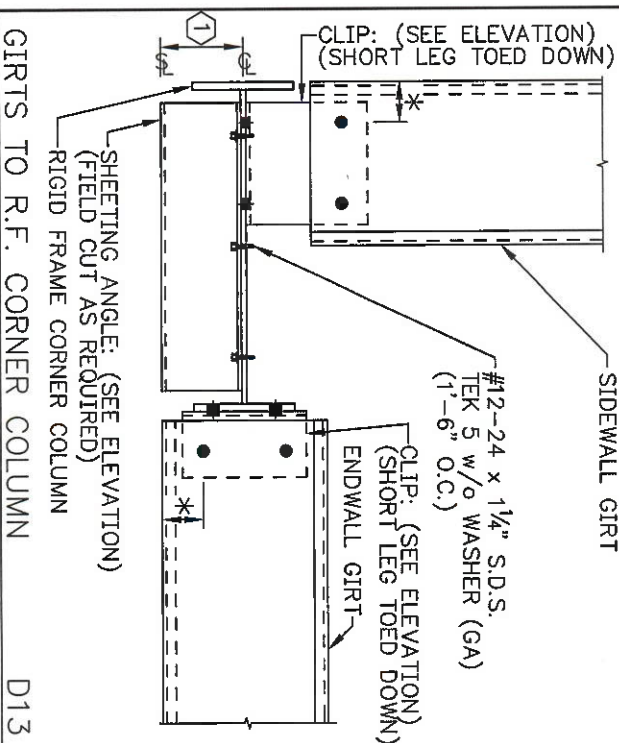
BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR.: See Elevations  
SCALE : NONE  
P.O. : 104129

DRAWN BY: AG  
CHECK BY: **REVIEWED FOR CODE COMPLIANCE** 11/27/22  
DATE: 11/27/22  
SHEET NO. 0011

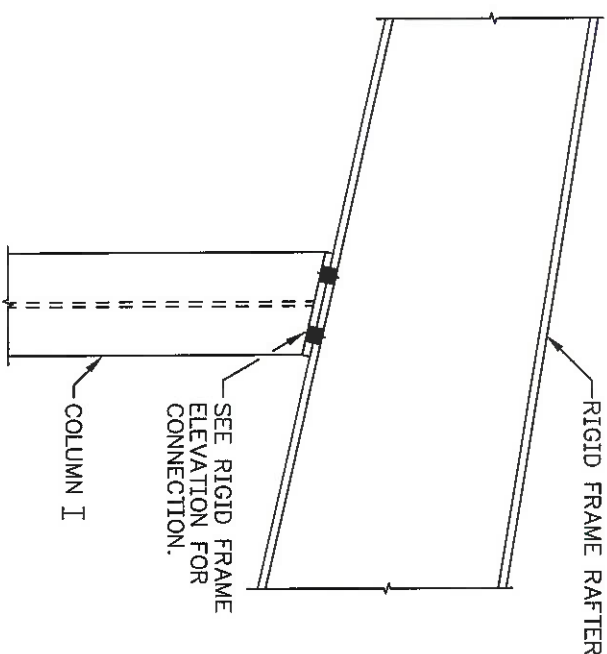
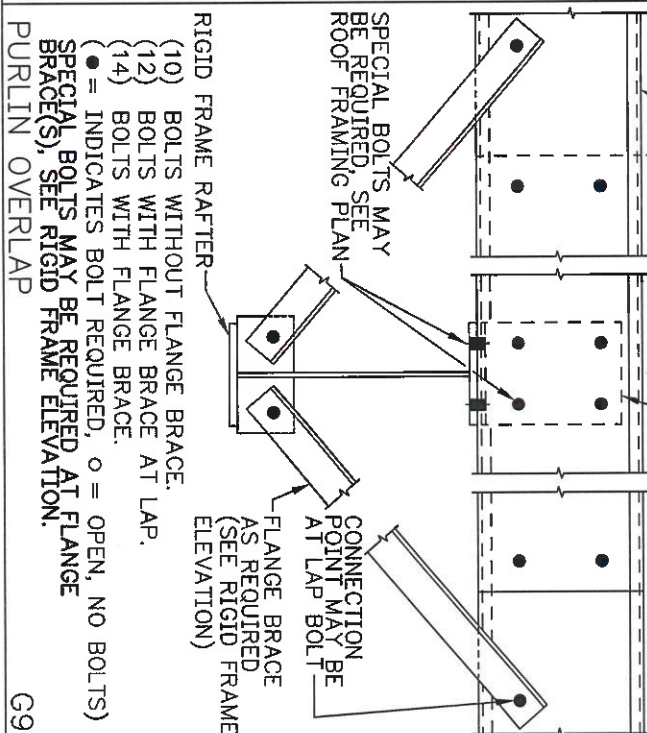
| REFERENCE CHART |       |      |      |  |
|-----------------|-------|------|------|--|
| CABLE           | 5/16" | 3/8" | 1/2" |  |
| EYE BOLT        | 5/8"  | 3/4" | 7/8" |  |
| "A" DIM.        | 9"    | 10"  | 12"  |  |



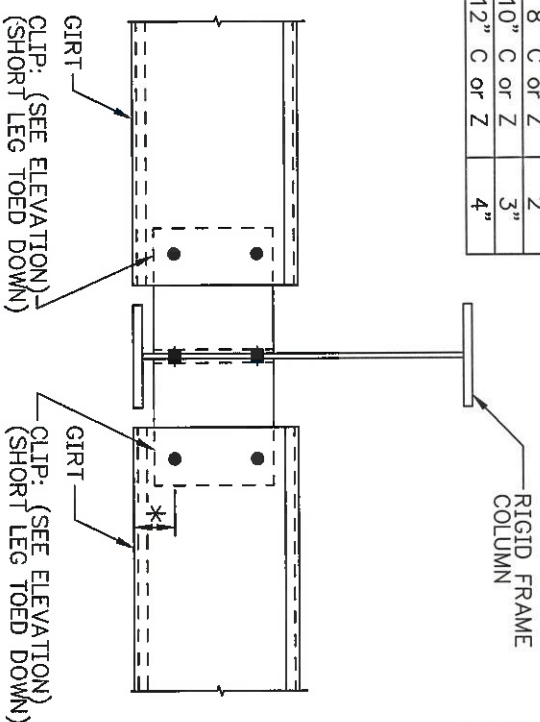
| CABLE BRACING ASSEMBLY |   |
|------------------------|---|
| GIRT SIZE(S) * DIM.    | ①=SEE ELEVATIONS AND ROOF FRAMING PLAN. |
| 8" C or Z              | 2"                                      |
| 10" C or Z             | 3"                                      |
| 12" C or Z             | 4"                                      |



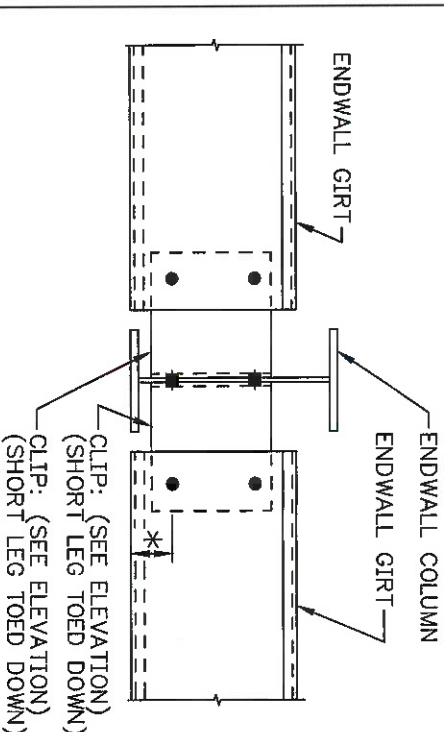
| ANTI-ROLL CLIP |                                      |
|----------------|--------------------------------------|
| AR4            | SEE ROOF FRAMING PLAN FOR LAP        |
| PURLIN         | CLIP: (F.S.) (SEE ROOF FRAMING PLAN) |



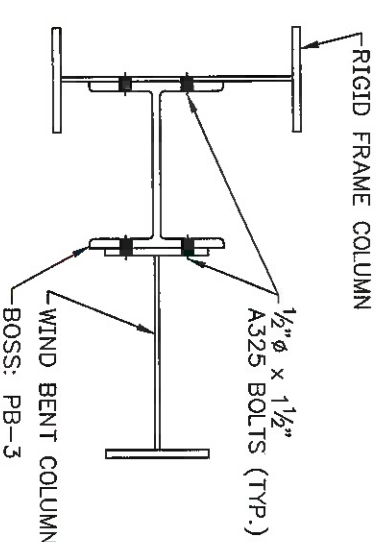
| COLUMN TO RIGID FRAME RAFTER |   |
|------------------------------|---|
| B20                          | SEE RIGID FRAME ELEVATION FOR CONNECTION. |
| GIRT SIZE(S) * DIM.          |   |
| 8" C or Z                    | 2"  |
| 10" C or Z                   | 3"  |
| 12" C or Z                   | 4"  |



| GIRT SIZE(S) * DIM. |    |
|---------------------|----|
| 8" C or Z           | 2" |
| 10" C or Z          | 3" |
| 12" C or Z          | 4" |



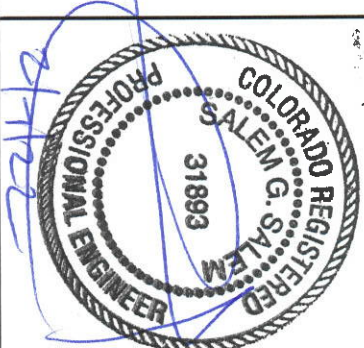
| GIRTS TO ENDWALL COLUMN |  |
|-------------------------|--|
| C3                      |  |



| WIND BENT COLUMN TO R.F. COLUMN |  |
|---------------------------------|--|
| H10                             |  |

### GENERAL NOTES:

- 1) ALL BOLTS ARE TO BE 1/2" Ø x 1 1/4" A307 UNLESS NOTED.
- 2) VIEW IS FROM OUTSIDE OF THE BUILDING UNLESS NOTED.
- 3) ALL DIMENSIONS ARE +/-.
- 4) MATCH SHOP MARK "X" IF SHOWN.
- 5) SEE ELEVATIONS AND PLANS FOR MEMBER SIZE(S); THE DETAILS SHOWN MAY NOT INDICATE ACTUAL SIZE.
- 6) SEE RIGID FRAME ELEVATION(S) FOR PURLIN AND GIRT ORIENTATION.
- 7) FRAMING CLIPS ARE TYPICALLY TOED DOWN UNLESS NOTED ON THE DRAWINGS.



### Sunward Steel Buildings

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR. : See Elevations  
SCALE : NONE  
P.O. : 104129

DRAWN BY: AG

CHECK BY:

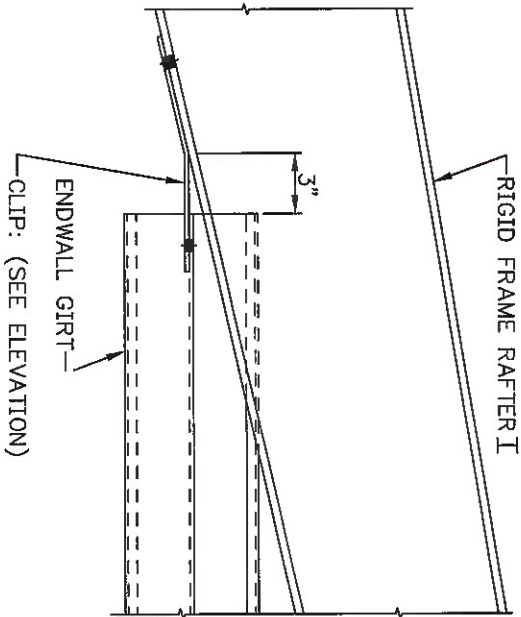
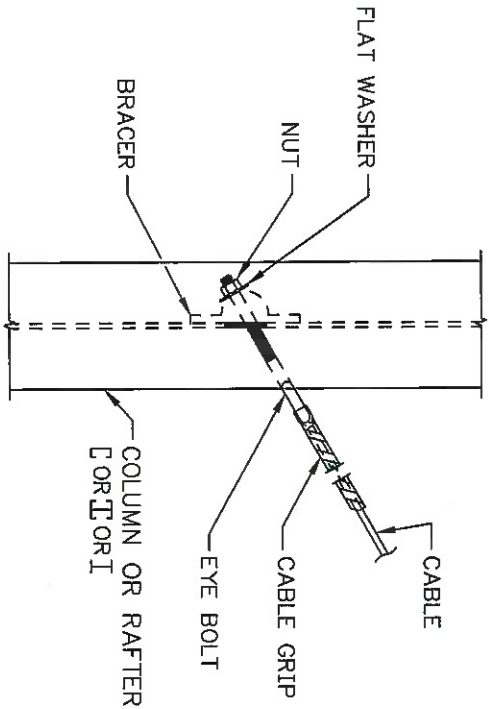
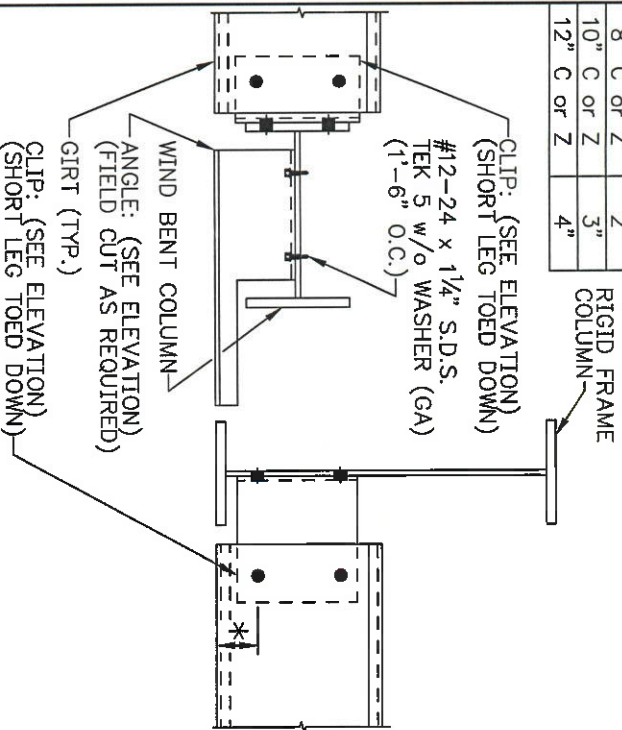
DESIGNER:

SCALE : NONE

SHEET NO. 6 OF 9

REVIEWED FOR CODE COMPLIANCE  
06/29/2022

| GIRT SIZE(S) * DIM. |    |
|---------------------|----|
| 8" C or Z           | 2" |
| 10" C or Z          | 3" |
| 12" C or Z          | 4" |



SPECIAL BOLTS MAY BE REQUIRED AT FLANGE BRACE(S), SEE RIGID FRAME ELEVATION.

H12

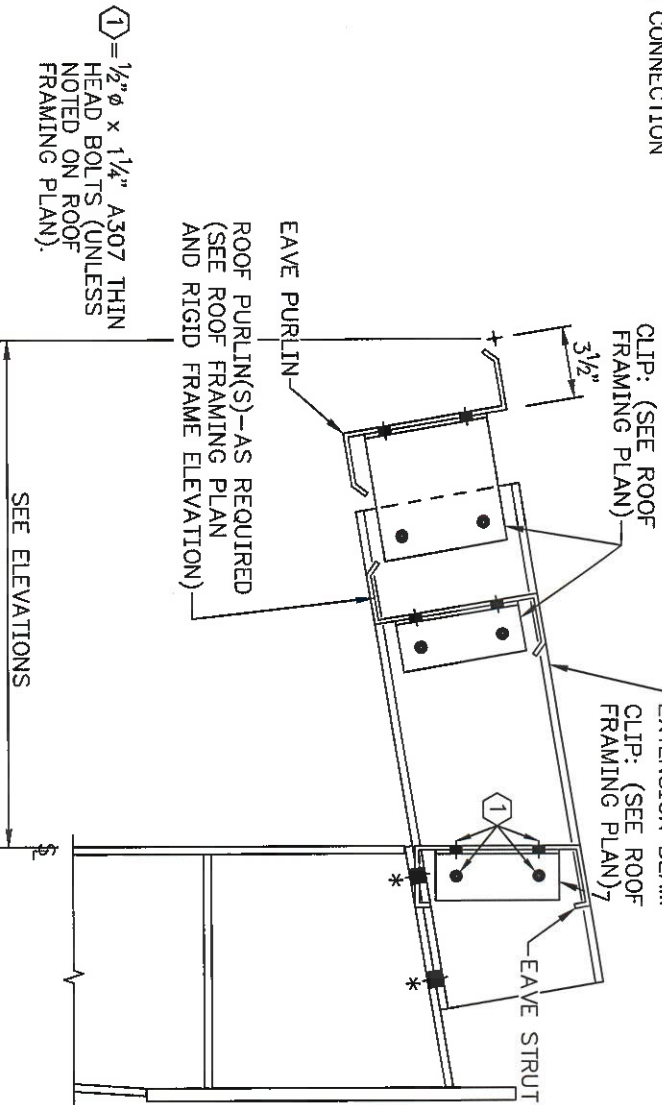
BRACING AT FRAME MEMBERS

Q2

GIRT TO RIGID FRAME RAFTER

W4

\*SEE ROOF FRAMING PLAN FOR CONNECTION



EAVE EXTENSION FRAMING SECTION

X3 GABLE EXTENSION SECTION

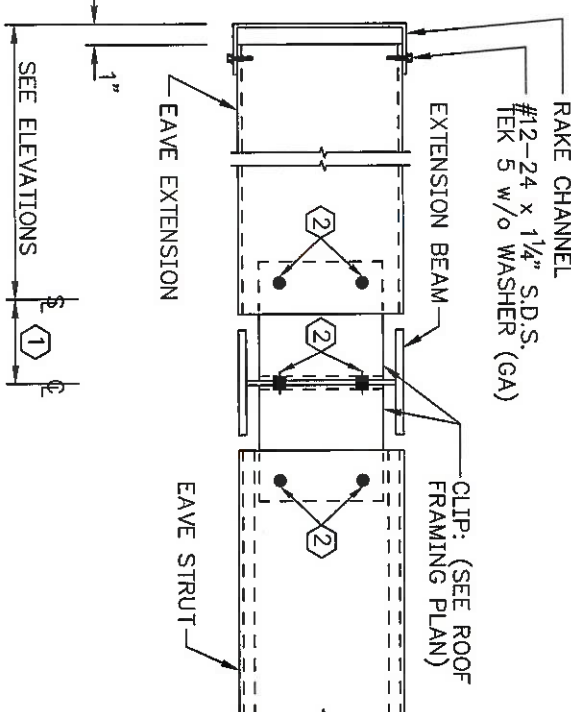
Y1

GABLE EXTENSION SECTION

Y2

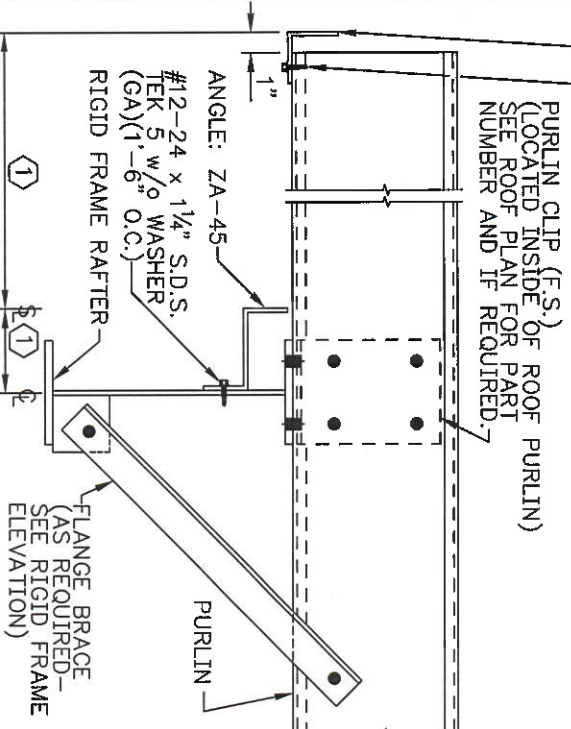
①=SEE ROOF FRAMING PLAN.

②=1/2"φ x 1 1/4" A307 THIN HEAD BOLTS (UNLESS NOTED ON ROOF FRAMING PLAN).



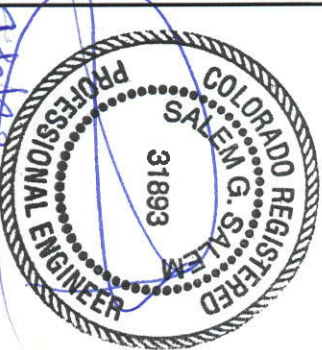
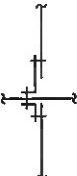
①=SEE ROOF FRAMING PLAN.

SHEETING ANGLE: BA-25 #12-24 x 1/4" S.D.S. TEK 5 w/o WASHER (GA)



### GENERAL NOTES:

- 1) ALL BOLTS ARE TO BE 1/2"φ x 1 1/4" A307 UNLESS NOTED.
- 2) VIEW IS FROM OUTSIDE OF THE BUILDING UNLESS NOTED.
- 3) ALL DIMENSIONS ARE +/-.
- 4) MATCH SHOP MARK "X" IF SHOWN.
- 5) SEE ELEVATIONS AND PLANS FOR MEMBER SIZE(S); THE DETAILS SHOWN MAY NOT INDICATE ACTUAL SIZE.
- 6) SEE RIGID FRAME ELEVATION(S) FOR PURLIN AND GIRT ORIENTATION.
- 7) FRAMING CLIPS ARE TYPICALLY TOED DOWN UNLESS NOTED ON THE DRAWINGS.



Sunward Steel Buildings

DRAWN BY: AG

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction

SITE : Hayden, CO

DESCR. : See Elevations

SCALE : NONE

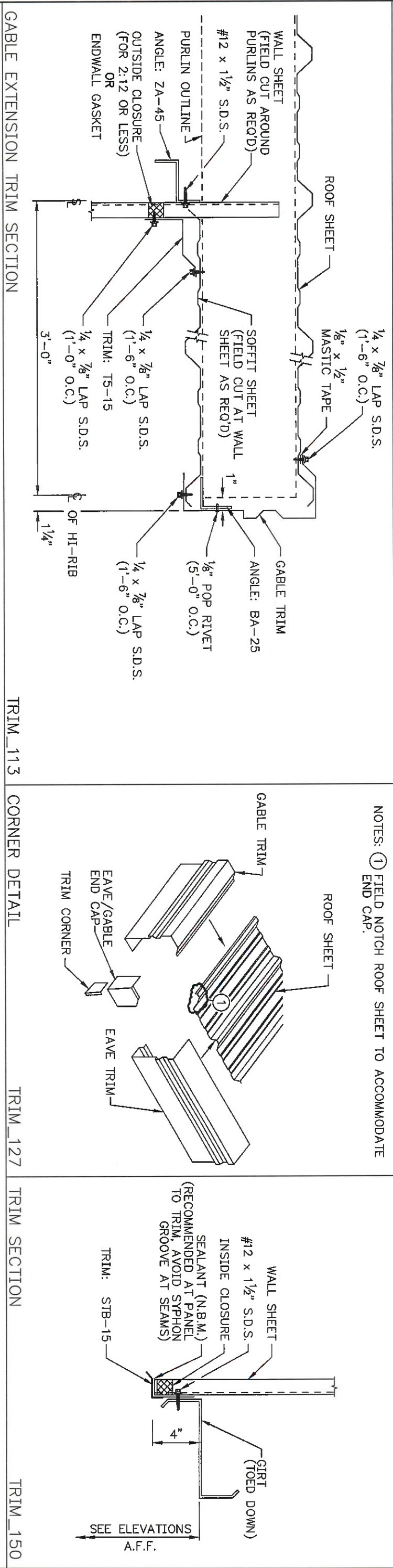
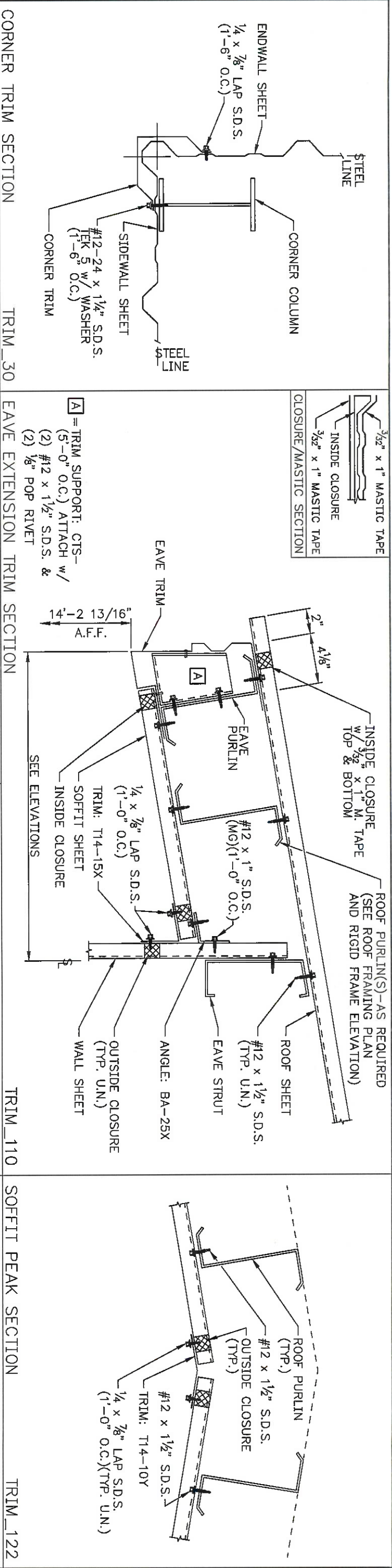
P.O. : 104129

CHECK BY: 10/27/22

DESIGNED: 10/27/22

SHEET NO. 60065

REVIEWED FOR CODE COMPLIANCE  
06/29/2022



**GENERAL NOTES:**

- 1) ALL BOLTS ARE TO BE 1/2" x 1 1/4" A307 UNLESS NOTED.
- 2) VIEW IS FROM OUTSIDE OF THE BUILDING UNLESS NOTED.
- 3) ALL DIMENSIONS ARE +/-.
- 4) MATCH SHOP MARK "X" IF SHOWN.
- 5) SEE ELEVATIONS AND PLANS FOR MEMBER SIZE(S); THE DETAILS SHOWN MAY NOT INDICATE ACTUAL SIZE.
- 6) SEE RIGID FRAME ELEVATION(S) FOR PURLIN AND GIRT ORIENTATION.
- 7) FRAMING CLIPS ARE TYPICALLY TOED DOWN UNLESS NOTED ON THE DRAWINGS.

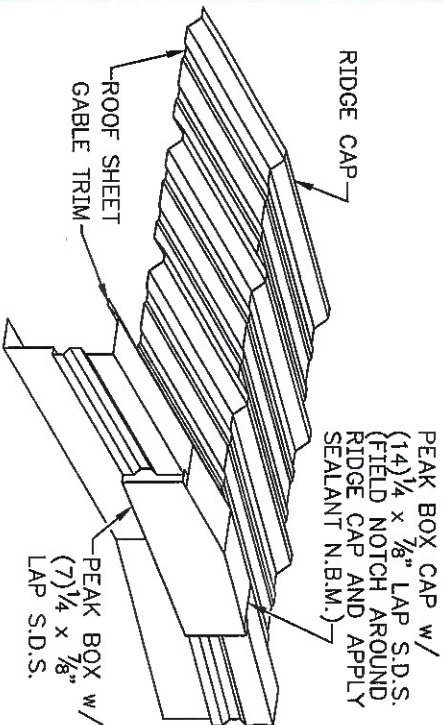
**Sunward Steel Buildings**

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR. : See Elevations  
SCALE : NONE  
P.O. : 104129

DRAWN BY: AG  
CHECK BY:   
DESIGNED BY:   
SHEET NO. G-0105

PROFESSIONAL ENGINEER  
31893  
COLORADO REGISTERED  
SALEM G. SALEM

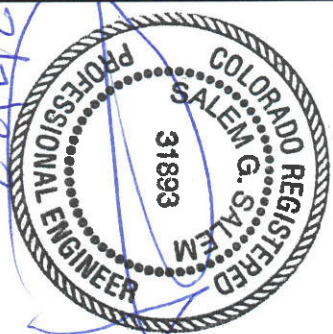
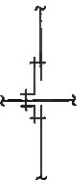
REVIEWED FOR CODE COMPLIANCE  
06/29/2022



PEAK BOX TRIM\_129

- 1) ALL BOLTS ARE TO BE 1/2"Ø x 1 1/4" A307 UNLESS NOTED.  
2) VIEW IS FROM OUTSIDE OF THE BUILDING UNLESS NOTED.  
3) ALL DIMENSIONS ARE +/-.  
4) MATCH SHOP MARK "⊗" IF SHOWN.  
5) SEE ELEVATIONS AND PLANS FOR MEMBER SIZE(S); THE DETAILS SHOWN MAY NOT INDICATE ACTUAL SIZE.  
6) SEE RIGID FRAME ELEVATION(S) FOR PURLIN AND GIRT ORIENTATION.  
7) FRAMING CLIPS ARE TYPICALLY TOED DOWN UNLESS NOTED ON THE DRAWINGS.

GENERAL NOTES:



Sunward Steel Buildings

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR. : See Elevations  
SCALE : NONE  
P.O. : 104129

DRAWN BY: AG

CHECK BY:

DESIGN:

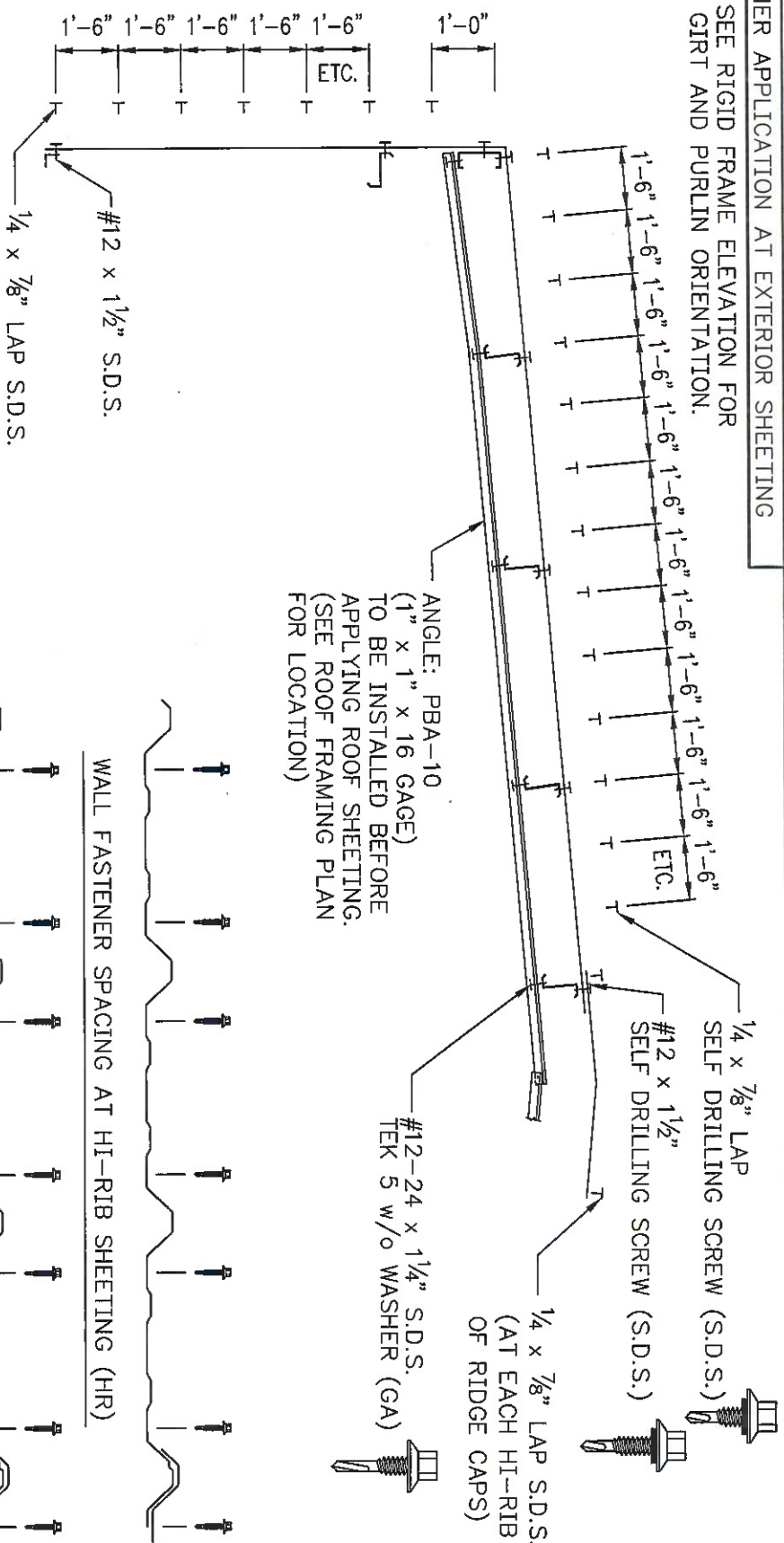
P.O. : 104129

REVIEWED FOR CODE COMPLIANCE  
06/29/2022

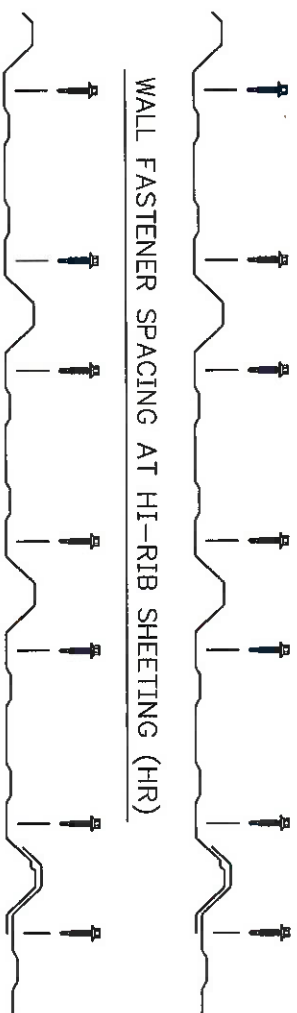
|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

FASTENER APPLICATION AT EXTERIOR SHEETING

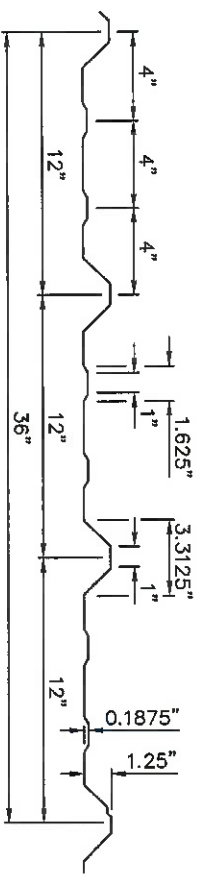
NOTE: SEE RIGID FRAME ELEVATION FOR GIRT AND PURLIN ORIENTATION.



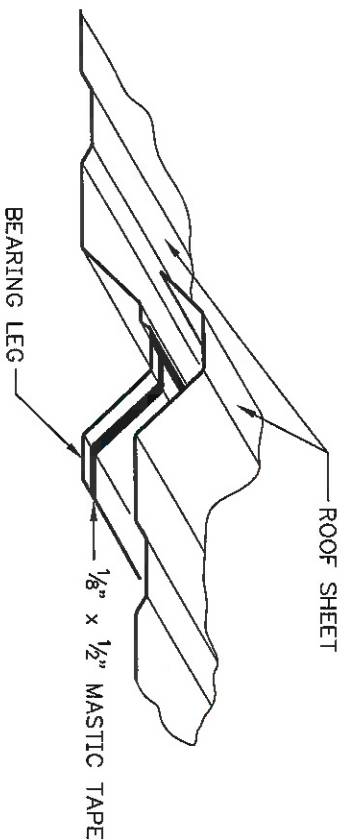
ROOF FASTENER SPACING AT HI-RIB SHEETING (HR)



HI-RIB PANEL SECTION (TYPE HR) (SEE PAGE A1 FOR GAUGE)



MASTIC TAPE APPLICATION AT ROOF SHEET EAVES AND RIDGE CAP

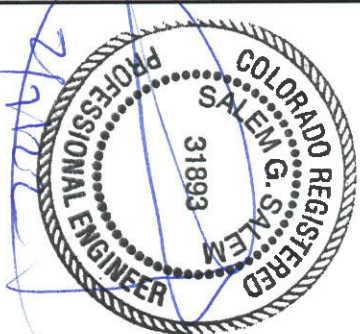


GENERAL NOTES:

- 1) VIEW IS FROM OUTSIDE OF BUILDING (U.N.)
- 2) ALL DIMENSIONS ARE +/-.
- 3) SOME DETAILS THAT ARE SHOWN MAY NOT APPLY TO YOUR BUILDING. REFER TO YOUR SALES ORDER FOR THE OPTIONS THAT ARE INCLUDED.
- 4) FOR INTERIOR SHEETING FASTENER APPLICATION SEE "LINER APPLICATION" PAGES, DO NOT USE THIS PAGE.

INSULATION NOTE:

- 1) MORE THAN 6" OF FIBERGLASS INSULATION IS NOT RECOMMENDED BETWEEN THE GIRTS/PURLINS AND SHEETING.



Sunward Steel Buildings

BUYER : Four Rivers Construction  
CUST. : Four Rivers Construction  
SITE : Hayden, CO  
DESCR. : See Elevations  
SCALE : NONE  
P.O. : 104129

DRAWN BY: AG

CHECK BY: AG

DATE: 06/29/2022

REVIEWED FOR CODE COMPLIANCE  
06/29/2022