

# SITE PLAN

1773 Winter Haven Road

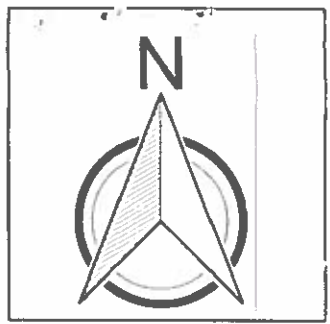
Fallbrook, CA 92028

Parcel ID: 106-311-02-00

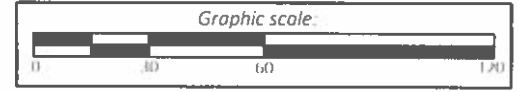
Lot area: 1.91 Acres

Paper Size: 11"x17"

PDS2024-RESACC-000455



scale 1"=50'



## Owner:

Martin Havre/Lisa Vergeer

1773 Winter Haven Road

Fallbrook, CA 92028

Phone: 760-224-3226 or

760-690-6634

## Summary table

### Existing:

SFD: 1284 sq. ft.

Temporary Shed: 390 sq. ft.

Detached Garage: 925 sq. ft.

Sauna: 80 sq. ft.

### Proposed:

Steel Shed: 2704 sq. ft.

*NO PROPOSED LANDSCAPING*

**FIRE DEPARTMENT**  
 North County Fire Protection District  
 330 S. Main Ave.  
 Fallbrook, California 92028  
 (760) 723-2010

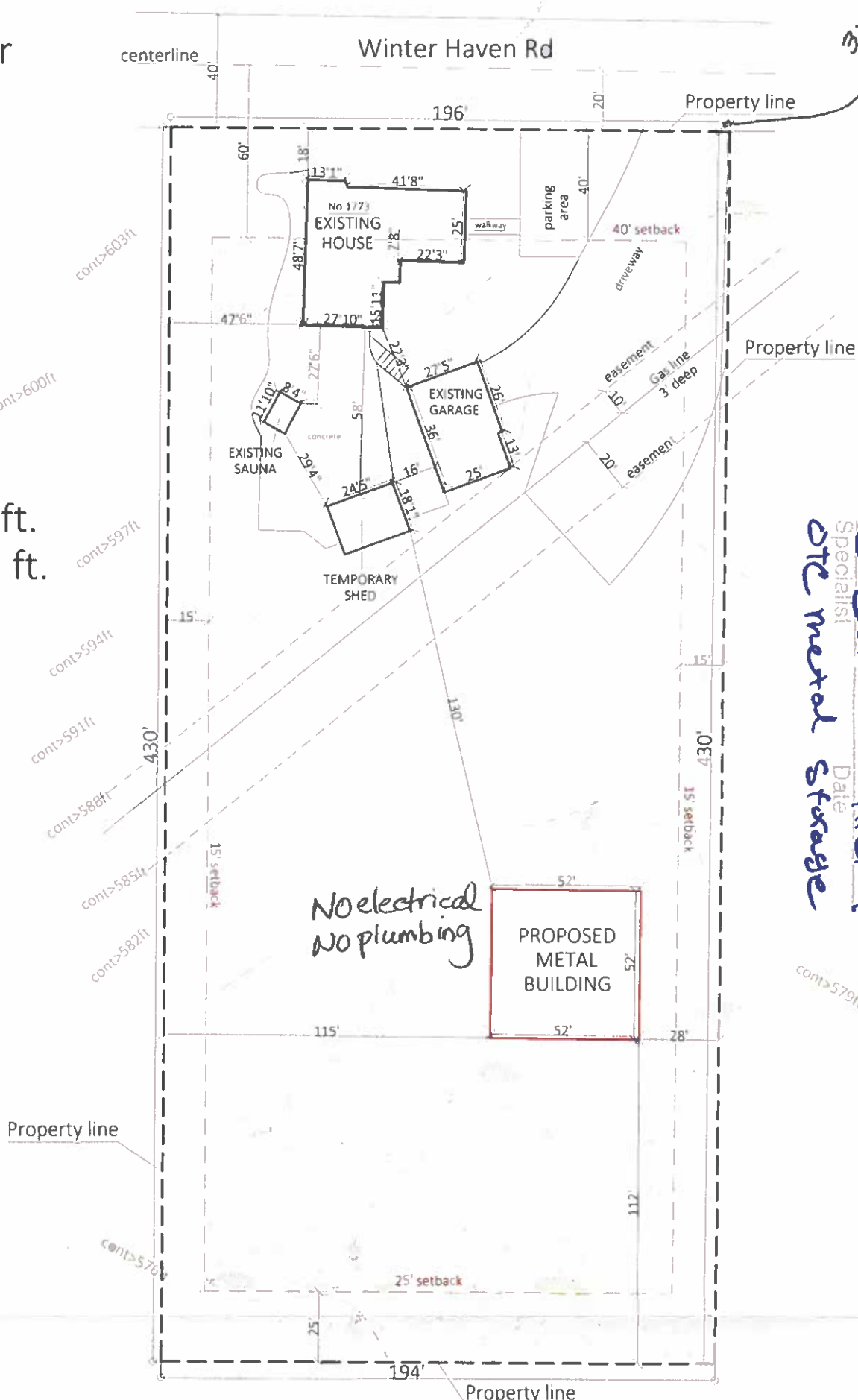
APPROVED

SUBJECT TO CONDITIONS NOTED BELOW  
 Date: 10/7/24  
 By: A. Van Lingen OFM  
 Fire Marshal or Designee

OBTAIN FIRE AGENCY APPROVAL  
 PRIOR TO THE FOLLOWING INSPECTIONS:

Underground Plumbing \_\_\_\_\_  
 Frame \_\_\_\_\_  
 Final \_\_\_\_\_  
 Other \_\_\_\_\_

It is the responsibility of the applicant to make any changes or alterations on this set of plans prior to construction.



DEH2024-1-Courts-019375  
 Approved  
 Department of Environmental Health  
 Specialist: Co Jordan  
 Date: 11/8/24  
 OTE metal storage

SITE INSPECTION MAY REVEAL CONDITIONS WHICH HAVE CHANGED

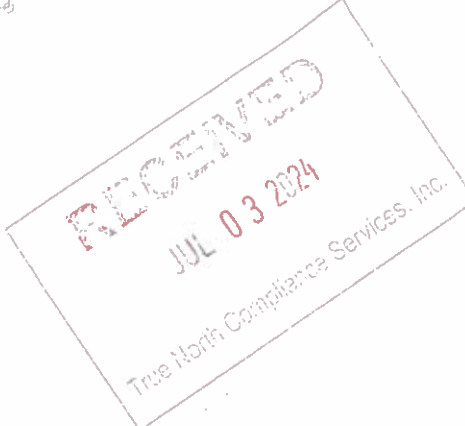
WHEN SUCH DISCREPANCIES ARISE, CONDITIONS NOTED DURING FIELD INSPECTION SHALL TAKE PRECEDENCE.

**INSTALL RESIDENTIAL AUTOMATIC FIRE SPRINKLER SYSTEM. SUBMIT SPRINKLER PLANS TO FIRE DEPARTMENT FOR PLAN REVIEW PRIOR TO INSTALLATION.**

VICINITY MAP

COUNTY OF SAN DIEGO  
 PLANNING AND DEVELOPMENT SERVICES

Address \_\_\_\_\_  
 Apt# 106-311-02-00  
 Use: Det metal Storage building  
 Discretionary Permit# \_\_\_\_\_  
 Counter Tech \_\_\_\_\_  
 Planner: \_\_\_\_\_



**SDC PDS RCVD 02-06-25**  
**AD25-002**

# SITE PLAN

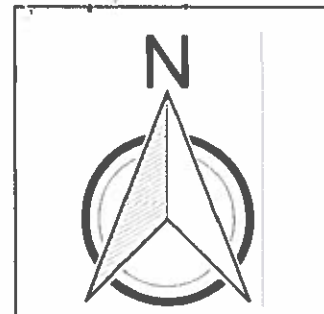
1773 Winter Haven Road

Fallbrook, CA 92028

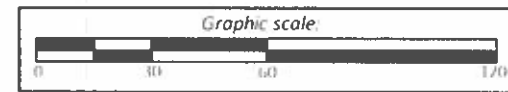
Parcel ID: 106-311-02-00

Lot area: 1.91 Acres

Paper Size: 11"x17"



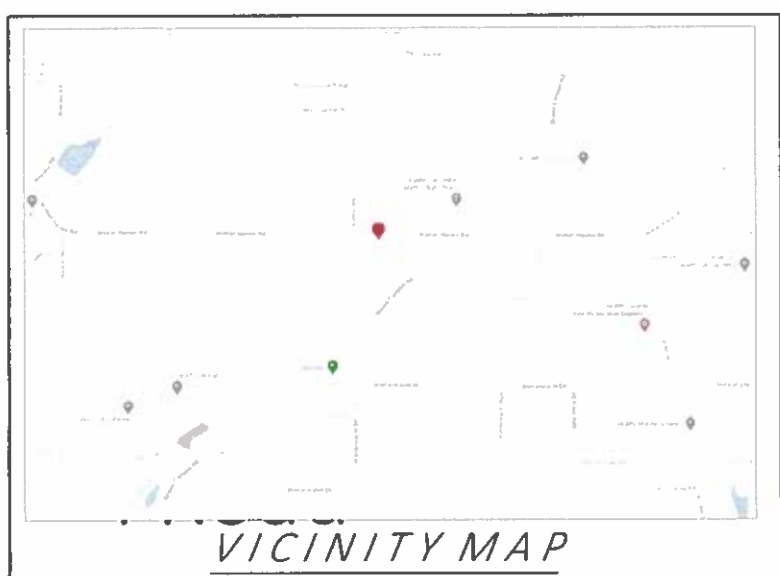
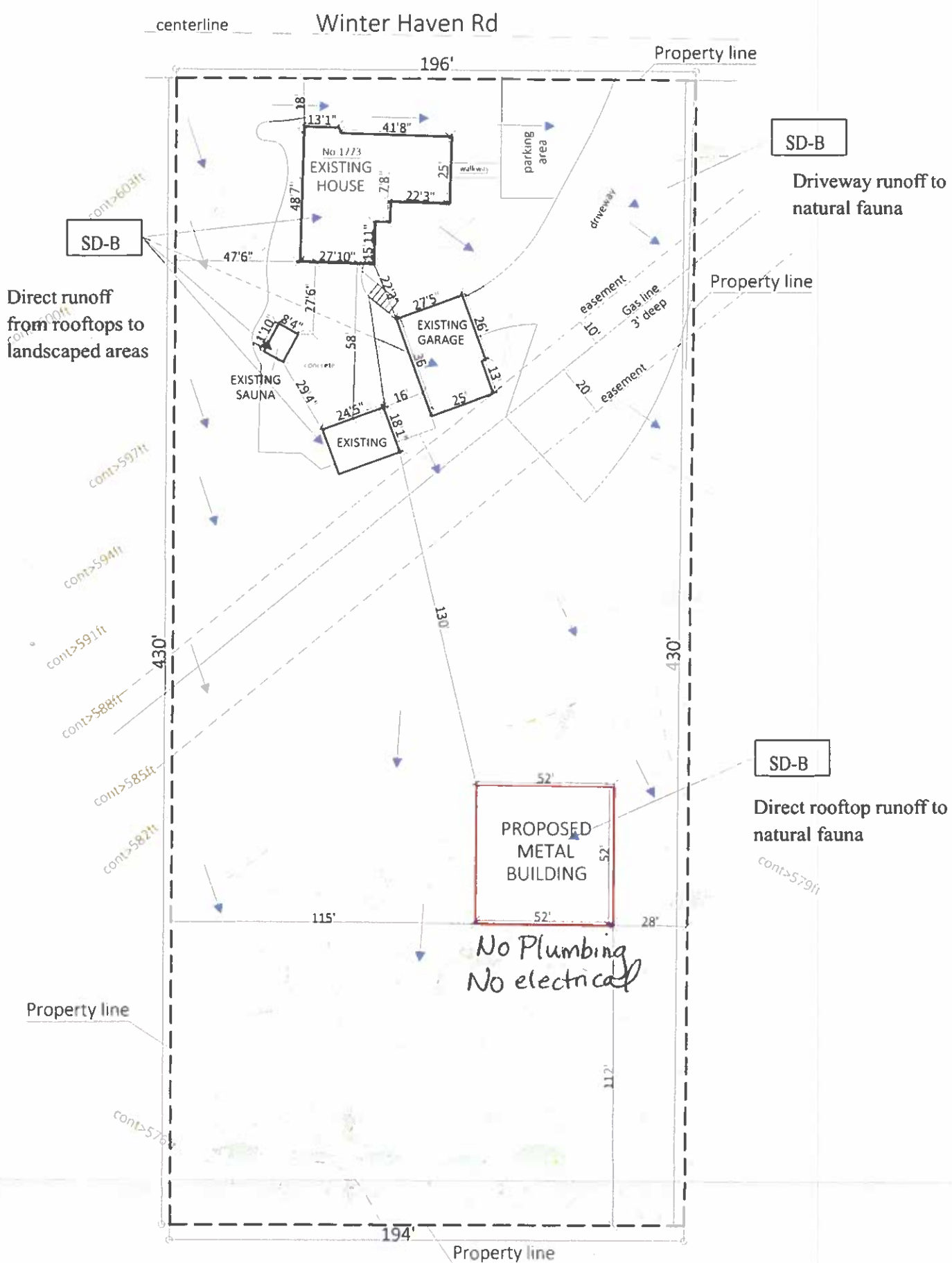
scale 1"=50'



## Note:

There are no disturbed areas that warrant sediment control.

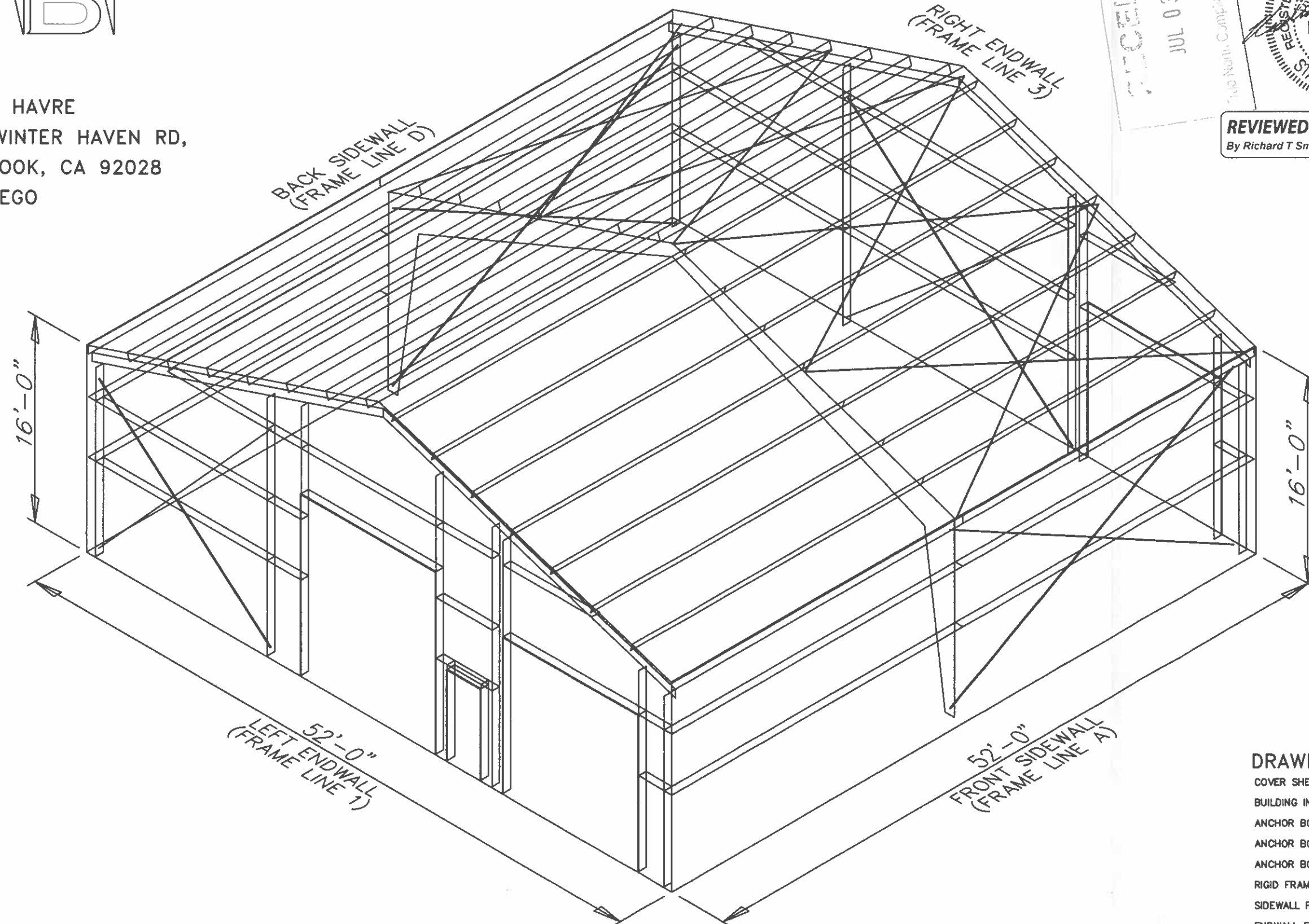
SD-B:  
Separation of flows from adjacent areas /  
Direct runoff to pervious areas.



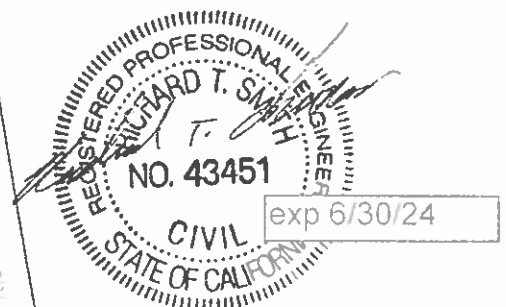
RECEIVED  
JUL 03 2024  
The Health Compliance Services, Inc.



JOB NUMBER: 94702  
 PROJECT NAME: MARTIN HAVRE  
 PROJECT LOCATION: 1773 WINTER HAVEN RD,  
 PROJECT LOCATION: FALLBROOK, CA 92028  
 PROJECT COUNTY: SAN DIEGO



RECEIVED  
 JUL 03 2024  
 True North Compliance Services, Inc.



**REVIEWED**  
 By Richard T Smith at 7:29 pm, Dec 18, 2023

**DRAWING INDEX**

COVER SHEET:	1
BUILDING INFO COVERSHEET:	2
ANCHOR BOLT PLAN:	3
ANCHOR BOLT DETAILS:	4
ANCHOR BOLT REACTIONS:	5
RIGID FRAME ELEVATION(S):	6
SIDEWALL FRAMING & SHEETING:	7, 8
ENDWALL FRAMING & SHEETING:	9, 10
ROOF FRAMING & SHEETING PLAN:	11
DETAIL DRAWINGS:	12, 13, 14, 15, 16

**GENERAL NOTES**

- 1.1 FABRICATION SHALL BE IN ACCORDANCE WITH METAL BUILDING SUPPLIER, STANDARD PRACTICES IN COMPLIANCE WITH THE APPLICABLE SECTIONS, RELATING TO DESIGN REQUIREMENTS AND ALLOWABLE STRESSES OF THE LATEST EDITION OF THE "AWS STRUCTURAL WELDING CODE D1.1 AND D1.3".
- 1.2 **MATERIALS**

ASTM DESIGNATION	MIN. YIELD STRENGTH
A572	Fy = 50 KSI
A36	Fy = 36 KSI
A500	Fy = 42 KSI
A500	Fy = 42 KSI
A572/A1011	Fy = 55 KSI
A529/A572	Fy = 55 KSI
A653/A1011	Fy = 55 KSI
A792/A653	Fy = 50, 80 KSI
A475 - TYPE 1	EXTRA HIGH STRENGTH
A36	Fy = 36 KSI

MIN. TENSILE STRENGTH	
A307	Fu = 60 KSI
A325-TYPE 1	Fu = 120 KSI
A325-TYPE 1	Fu = 105 KSI
A36/A307/71554	Fu = 60 KSI
- 1.3 **PRIMER**  
SHOP PRIMER PAINT IS A RUST INHIBITIVE PRIMER WHICH MEETS THE END PERFORMANCE OF FEDERAL SPECIFICATION SSPC NO. 15 AND IS GRAY OXIDE IN COLOR. THIS PAINT IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS. METAL BUILDING SUPPLIER IS NOT RESPONSIBLE FOR ANY DETERIORATION OF THE SHOP PRIMER PAINT AS A RESULT OF IMPROPER HANDLING AND/OR JOBSITE STORAGE. METAL BUILDING SUPPLIER SHALL NOT BE RESPONSIBLE FOR ANY FIELD APPLIED PAINT AND/OR COATINGS. (AISC CODE OF STANDARD PRACTICE, LATEST EDITION). NOMINAL THICKNESS OF PRIMER WILL BE 1 MIL UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS.
- 1.4 **GALVANIZED OR SPECIAL COATINGS:**  
SEE CONTRACT DOCUMENTS
- 1.5 **ALL BOLTS ARE 1/2" x 0'-1 1/4" A307 EXCEPT:**
  - A) ENDWALL RAFTER SPICE - 5/8" x 0'-1 3/4" A325-N
  - B) ENDWALL COLUMN TO RAFTER CONNECTION - (SEE WALL ELEVATION)
  - C) MAIN FRAME CONNECTIONS - SEE CROSS SECTION
  - D) FLANGE BRACE CONNECTIONS - 1/2" x 0'-1 1/4" A325

NOTE: WASHERS ARE NOT SUPPLIED UNLESS NOTED OTHERWISE ON DRAWING
- 1.6 **A325 BOLT TIGHTENING REQUIREMENTS**  
ALL HIGH STRENGTH BOLTS ARE A325-N UNLESS SPECIFICALLY NOTED OTHERWISE. HOLES ARE NOT SLOTTED AND DESIGN IS BEARING CONNECTION. STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE "TURN-OF-THE-NUT" METHOD IN ACCORDANCE WITH THE LATEST EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS" USING ASTM A325 OR A490 BOLTS, WHEN SPECIFICALLY REQUIRED. A325-N BOLTS ARE SUPPLIED WITHOUT WASHER UNLESS OTHERWISE NOTED ON THE DRAWINGS.  
ALL BOLTED CONNECTIONS UNLESS NOTED ARE DESIGNED AS BEARING TYPE CONNECTIONS WITH BOLT THREADS NOT EXCLUDED FROM THE SHEAR PLANE.  
BUILDINGS IN SEISMIC DESIGN CATEGORY C OR LOWER AND/OR WITH CRANE SYSTEMS 10 TONS OR LESS DO NOT REQUIRE TURN OF THE NUT PRE TENSIONING
- 1.7 **CLOSURE STRIPS ARE FURNISHED (IF ORDERED) FOR APPLICATION:**
  - INSIDE - UNDER ROOF PANELS & BASE OF WALL PANELS
  - OUTSIDE - BETWEEN ROOF PANELS & RIDGE CAP
  - BETWEEN WALL PANELS & EAVE/GABLE TRIM
- 1.8 **ERECTION NOTE:**  
ALL BRACING, STRAPPING, & BRIDGING SHOWN AND PROVIDED BY M.B.S. FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE. IF ADDITIONAL BRACING IS REQUIRED FOR STABILITY DURING ERECTION, IT SHALL BE THE ERECTOR'S RESPONSIBILITY TO DETERMINE THE AMOUNT OF SUCH BRACING AND TO PROCURE AND INSTALL AS NEEDED.
- 1.9 **ERECTION AND UNLOADING NOT BY G.W.B.**
- 1.10 **SHORTAGES**  
ANY CLAIMS OR SHORTAGES BY BUYER MUST BE MADE TO M.B.S. WITHIN FIVE (5) WORKING DAYS AFTER DELIVERY, OR SUCH CLAIMS WILL BE CONSIDERED TO HAVE BEEN WAIVED BY THE CUSTOMER AND DISALLOWED.
- 1.11 **CORRECTIONS OF ERRORS AND REPAIRS (MBMA 3.1.0)**  
CLAIMS FOR CORRECTION OF ALLEGED MISFITS WILL BE DISALLOWED UNLESS M.B.S. SHALL HAVE RECEIVED PRIOR NOTICE THEREOF AND ALLOWED REASONABLE INSPECTION OF SUCH MISFITS. THE CORRECTION OF MINOR MISFITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS INTO LINE, MODERATE AMOUNTS OF REAMING, CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORTAGES OF MATERIAL ARE A NORMAL PART OF ERECTION AND ARE NOT SUBJECT TO CLAIM. NO PART OF THE BUILDING MAY BE RETURNED FOR ALLEGED MISFITS WITHOUT THE PRIOR APPROVAL OF M.B.S.

**BUYER/END USE CUSTOMER RESPONSIBILITIES**

- 2.1 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO OBTAIN APPROPRIATE APPROVALS AND SECURE NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES AS REQUIRED, AND TO ADVISE/RELEASE M.B.S. TO FABRICATE UPON RECEIVING SUCH.
- 2.2 METAL BUILDING SUPPLIER (HEREAFTER REFERRED TO AS M.B.S.) STANDARD SPECIFICATIONS APPLY UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS. M.B.S. DESIGN, FABRICATION, QUALITY CRITERIA, STANDARDS, PRACTICE, METHODS AND TOLERANCES SHALL GOVERN THE WORK WITH ANY OTHER INTERPRETATIONS TO THE CONTRARY NOTWITHSTANDING. IT IS UNDERSTOOD BY BOTH PARTIES THAT THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR CLARIFICATION OF INCLUSIONS OR EXCLUSIONS FROM THE ARCHITECTURAL PLANS AND/OR SPECIFICATIONS.
- 2.3 IN CASE OF DISCREPANCIES BETWEEN M.B.S. STRUCTURAL STEEL PLANS AND PLANS FOR OTHER TRADES, M.B.S. PLANS SHALL GOVERN. (SECTION 3 AISC CODE OF STANDARD PRACTICES, LATEST EDITION)
- 2.4 APPROVAL OF M.B.S. DRAWINGS AND CALCULATIONS INDICATE THE M.B.S. HAS CORRECTLY INTERPRETED AND APPLIED THE CONTRACT DOCUMENTS. THIS APPROVAL CONSTITUTES THE CONTRACTOR/OWNERS ACCEPTANCE OF THE M.B.S. DESIGN CONCEPTS, ASSUMPTIONS, AND LOADING. (SECTION 4 AISC CODE AND MBMA 3.3.3)
- 2.5 ONCE THE BUYER/END USE CUSTOMER HAS SIGNED M.B.S. APPROVAL PACKAGE AND THE PROJECT IS RELEASED FOR FABRICATION, CHANGES SHALL BE BILLED TO THE BUYER/END USE CUSTOMER INCLUDING MATERIAL, ENGINEERING AND OTHER COSTS. AN ADDITIONAL FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND SHIPPING SCHEDULE.

- 2.6 THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR OVERALL PROJECT COORDINATION. ALL INTERFACE, COMPATIBILITY, AND DESIGN CONSIDERATIONS CONCERNING ANY MATERIALS NOT FURNISHED BY M.B.S. AND M.B.S. STEEL SYSTEM ARE TO BE CONSIDERED AND COORDINATED BY THE BUYER/END USE CUSTOMER. SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS MUST BE FURNISHED BEFORE RELEASE FOR FABRICATION OR M.B.S. ASSUMPTIONS WILL GOVERN (AISC CODE OF STANDARD PRACTICE, LATEST EDITION)
- 2.7 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO INSURE THAT M.B.S. PLANS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT M.B.S. OR ITS DESIGN ENGINEERS ARE ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT. THESE DRAWINGS ARE SEALED ONLY TO CERTIFY THE DESIGN OF THE STRUCTURAL COMPONENTS FURNISHED BY M.B.S.
- 2.8 THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL IN ACCORDANCE WITH M.B.S. "FOR ERECTION" DRAWINGS ONLY. TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION SHALL BE DETERMINED, FURNISHED AND INSTALLED BY THE ERECTOR. NO ITEMS SHOULD BE PURCHASED FROM A PRELIMINARY SET OF DRAWINGS, INCLUDING ANCHOR BOLTS. USE ONLY FINAL "FOR ERECTION" DRAWINGS FOR THIS USE. (AISC CODE OF STANDARD PRACTICE, LATEST EDITION.)
- 2.9 METAL BUILDING SUPPLIER IS RESPONSIBLE FOR THE DESIGN OF THE ANCHOR BOLTS TO PERMIT THE TRANSFER OF FORCES BETWEEN THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BEARING AND TENSION, BUT IT IS NOT RESPONSIBLE FOR THE TRANSFER OF ANCHOR BOLT FORCES TO THE CONCRETE OR THE ADEQUACY OF THE ANCHOR BOLT IN RELATION TO THE CONCRETE. UNLESS OTHERWISE NOTED PROVIDED IN THE ORDER DOCUMENTS, M.B.S. DOES NOT DESIGN AND IS NOT RESPONSIBLE FOR THE DESIGN, MATERIAL AND CONSTRUCTION OF THE FOUNDATION OR FOUNDATION EMBEDMENTS. THE END USE CUSTOMER SHOULD BE ASSURE HIMSELF THAT ADEQUATE PROVISIONS ARE MADE IN THE FOUNDATION DESIGN FOR LOADS IMPOSED BY COLUMN REACTIONS OF THE BUILDING, OTHER IMPOSED LOADS, AND BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE. IT IS RECOMMENDED THAT THE ANCHORAGE AND FOUNDATION OF THE BUILDING BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER EXPERIENCED IN THE DESIGN OF SUCH STRUCTURES. (LATEST MBMA LOW RISE BUILDING SYSTEMS MANUAL)
- 2.10 NORMAL ERECTION OPERATIONS INCLUDE THE CORRECTIONS OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, CHIPPING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE THROUGH THE USE OF DRIFT PINS. ERRORS WHICH CANNOT BE CORRECTED BY THE FOREGOING MEANS OR WHICH REQUIRE MAJOR CHANGES IN MEMBER CONFIGURATION ARE TO BE REPORTED IMMEDIATELY TO M.B.S. BY THE BUYER/END USE CUSTOMER. TO ENABLE WHOEVER IS RESPONSIBLE EITHER TO CORRECT THE ERROR OR TO APPROVE THE MOST EFFICIENT AND ECONOMIC METHOD OF CORRECTION TO BE USED BY OTHERS. (AISC CODE OF STANDARD PRACTICE LATEST EDITION)
- 2.11 NEITHER THE FABRICATOR NOR THE BUYER/END USE CUSTOMER WILL CUT, DRILL OR OTHERWISE ALTER HIS WORK, OR THE WORK OF OTHER TRADES, TO ACCOMMODATE OTHER TRADES, UNLESS SUCH WORK IS CLEARLY SPECIFIED IN THE CONTRACT DOCUMENTS. WHENEVER SUCH WORK IS SPECIFIED, THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR FURNISHING COMPLETE INFORMATION AS TO MATERIALS, SIZE, LOCATION AND NUMBER OF ALTERATIONS PRIOR TO PREPARATION OF SHOP DRAWINGS. (AISC CODE OF STANDARD PRACTICE LATEST EDITION)
- 2.12 **WARNING:** IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER. BOTH LEAD AND COPPER HAVE HARMFUL CORROSIVE EFFECTS ON THE GALVALUME ALLOY COATING WHEN THEY ARE IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED.
- 2.13 **SAFETY COMMITMENT:** METAL BUILDING SUPPLIER HAS A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY COMMITMENT AND JOB SITE PRACTICES OF THE ERECTOR ARE BEYOND THE CONTROL OF M.B.S. IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE. LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKERS SAFETY. MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING. EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES. DAILY MEETINGS HIGHLIGHTING SAFETY PROCEDURES ARE ALSO RECOMMENDED. THE USE OF HARD HATS, RUBBER SOLE SHOES FOR ROOF WORK, PROPER EQUIPMENT FOR HANDLING MATERIAL, AND SAFETY NETS WHERE APPLICABLE, ARE RECOMMENDED.
- 2.14 ROOF DRAINAGE SYSTEMS (GUTTER, DOWNSPOUTS, ETC.) MUST BE FREE OF ANY OBSTRUCTION TO ENSURE SMOOTH OPERATION AT ANY GIVEN TIME.
- 2.15 IT IS RECOMMENDED BY FACTORY MUTAL (REFERENCE B2.44) THAT ROOFS BE CLEARED OF SNOW WHEN HALF OF THE MAXIMUM SNOW DEPTH IS REACHED. THE MAXIMUM SNOW DEPTH CAN BE ESTIMATED BASED ON THE DESIGN SNOW LOAD AND THE DENSITY OF SNOW AND/OR ICE BUILDUP. SEE TABLE BELOW.

ROOF SNOW LOAD (IN PSF)	EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES)	RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES)
20	16.80	8.30
25	17.25	8.62
30	17.80	8.95
35	18.55	9.28
40	19.20	9.60
45	19.85	9.92
50	20.50	10.25
55	21.15	10.58
60	21.80	10.90
65	22.45	11.22
70	23.10	11.55
75	23.75	11.88
80	24.40	12.20

NOTE:  
FOR SNOW/ICE REMOVAL PROCEDURE, REFER TO METAL BUILDING SYSTEM MANUAL 2002 EDITION, SECTION A8.4, PAGE X0-A8-2

**BUILDING LOADS**

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING AS INDICATED:

- DESIGN LOADS:**
- DESIGN CODE / WIND CODE : CBC-22/IBC-21
  - OCCUPANCY / RISK CATEGORY : II-Normal
  - ENCLOSURE : Enclosed
  - ROOF DEAD LOAD (D) (PSF) : 2.00
  - ROOF COLLATERAL LOAD (C) (PSF) : 5.00
  - WIND LOAD
    - ULTIMATE WIND SPEED, (VULT) (MPH) : 115.00
    - WIND EXPOSURE CATEGORY : C
    - INTERNAL PRESSURE COEFFICIENT, (Gcpi) : 0.18/-0.18
    - WALL PANEL DESIGN WIND PRESSURE (PSF) : 30.00/-32.54
    - WIND ENCLOSURE CLASSIFICATION : Enclosed
  - LIVE LOAD
    - PRIMARY FRAMING (PSF) : 20.00
    - TRIB. AREA REDUCTION : No
    - SECONDARY FRAMING (PSF) : 20.00
  - SNOW LOAD
    - GROUND SNOW LOAD, (Pg) (PSF) : 5.00
    - ROOF SNOW LOAD, (Pr) (PSF) : 5.00
    - SNOW EXPOSURE FACTOR, (Ce) : 1.00
    - SNOW IMPORTANCE FACTOR, (Is) : 1.00
    - THERMAL FACTOR, (Ct) : 1.00
  - SEISMIC LOAD
    - SEISMIC IMPORTANCE FACTOR, (Ie) : 1.00
    - SITE CLASSIFICATION : d
    - SPECTRAL RESPONSE ACCELERATION : Ss = 1.180 : S1 = 0.373
    - SPECTRAL RESPONSE COEFFICIENTS : Sds = 0.944 : Sd1 = 0.479
    - SEISMIC DESIGN CATEGORY : D
    - BASIC SEISMIC FORCE RESISTING SYSTEM : STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE
  - TOTAL DESIGN BASE SHEAR, (V) (KIPS) : LONGITUDINAL = 8.17  
: TRANSVERSE = 9.16
  - RESPONSE MODIFICATION FACTORS, (R) : RIGID FRAMES = 3.25 : Ω = 3.00  
: SW X-BRACING = 3.25 : Ω = 2.00
  - SEISMIC RESPONSE COEFFICIENTS, (Cs) : RIGID FRAMES = 0.2906  
: SW X-BRACING = 0.2906
  - ANALYSIS PROCEDURE USED : EQUIVALENT LATERAL FORCE PROCEDURE
  - OTHER LOADS/REQUIREMENTS

**BUILDING DESCRIPTION:**

- WIDTH (FT) : 52.00
- LENGTH (FT) : 52.00
- EAVE HEIGHT AT BSW (FT) : 16.00
- EAVE HEIGHT AT FSW (FT) : 16.00
- ROOF SLOPE AT BSW : 4.0:12
- ROOF SLOPE AT FSW : 4.0:12
- BAY SPACING (FT) : 2 AT 26.00

**COVERING AND TRIMS:**

- ROOF PANELS & TRIMS**
- PANEL TYPE : 26 GA. PBR
  - PANEL COLOR : ALMOND (KYNAR)
  - TRIM COLORS
    - GABLE/EAVE : COLONY GREEN
    - EAVE GUTTER : N/A
- WALL PANELS & TRIMS**
- PANEL TYPE : 26 GA. PBR
  - PANEL COLOR : COLONY GREEN
  - TRIM COLORS
    - CORNER : COLONY GREEN
    - FRAMED OPENING : COLONY GREEN
    - DOWNSPOUTS : N/A
    - BASE : COLONY GREEN
- INSULATION**
- ROOF INSULATION : N/A
  - WALL INSULATION : N/A


RECEIVED  
 JUL 03 2024  
 True North Compliance Services, Inc.

CHK.	ENG.	MEZ	RTS	CAF	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	



**3033 S. PARKER RD 12 FLOOR**  
**AURORA, CO 80014**  
**PHONE: (800)-497-2135**  
**WWW.GREATWESTERNBUILDINGS.COM**

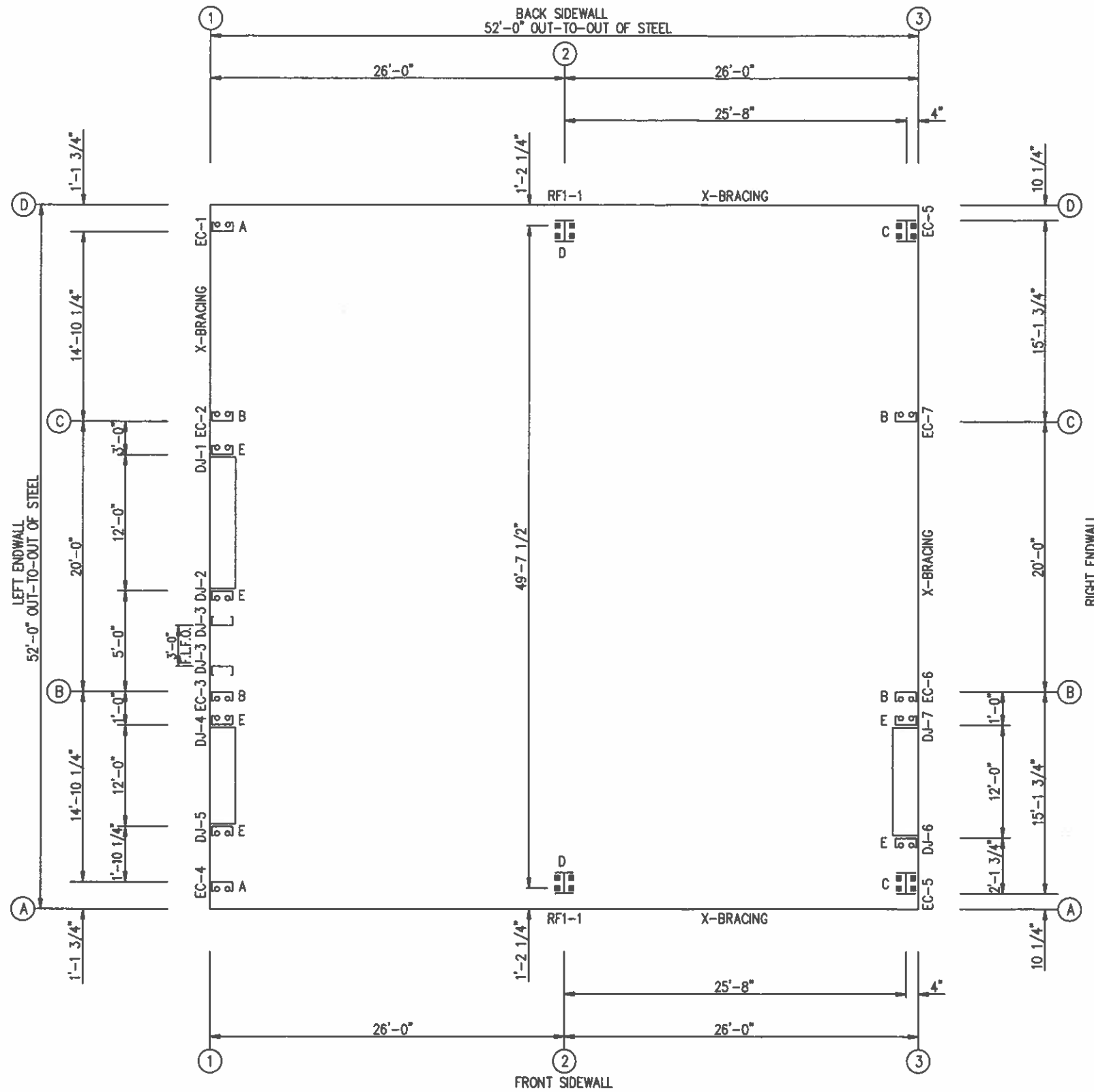
CLIENT NAME	MARTIN HAVER
PROJECT NAME	MARTIN HAVER
PROJECT LOCATION	1773 WINTER HAVEN RD, FALLBROOK, CA 92028
PROJECT COUNTY	SAN DIEGO
PROJECT AND USE	AGRICULTURAL
ESTIMATED PROJECT VALUE	750,224,326
CLIENT MAIL	MARTINHAVER@GAL.COM
SEAL	N.T.S.
DATE	2 OF 16
PROJECT NUMBER	94702
REV. NUMBER	
REV. DATE	
REV. DESCRIPTION	



**REVIEWED**  
By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS

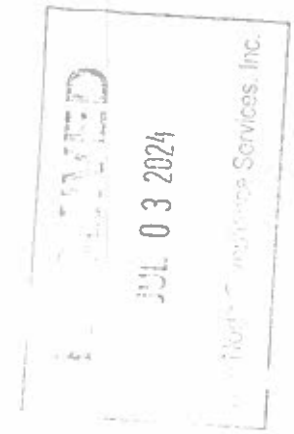
BUILDING INFO COVERSHEET



**ANCHOR BOLT PLAN**  
 NOTE: ALL BASE PLATES @ 100'-0" (U.N.)  
 F.L.F.O. = FIELD LOCATED FRAME OPENING

**ANCHOR BOLT SUMMARY**

QTY	LOCATE	DIA (in)	TYPE
○ 12	JAMB	5/8"	A307
○ 12	ENDWALL	5/8"	A307
⊗ 8	ENDWALL	3/4"	A307
⊗ 8	FRAME	3/4"	A307



ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	11/17/23	MEZ	MEZ	RTS
PERMIT	12/18/23	AA	CAF	RTS

3033 S. PARKER RD 12 FLOOR  
 AURORA, CO 80014  
 PHONE: (800)-497-2135  
 WWW.GREATWESTERNBUILDINGS.COM

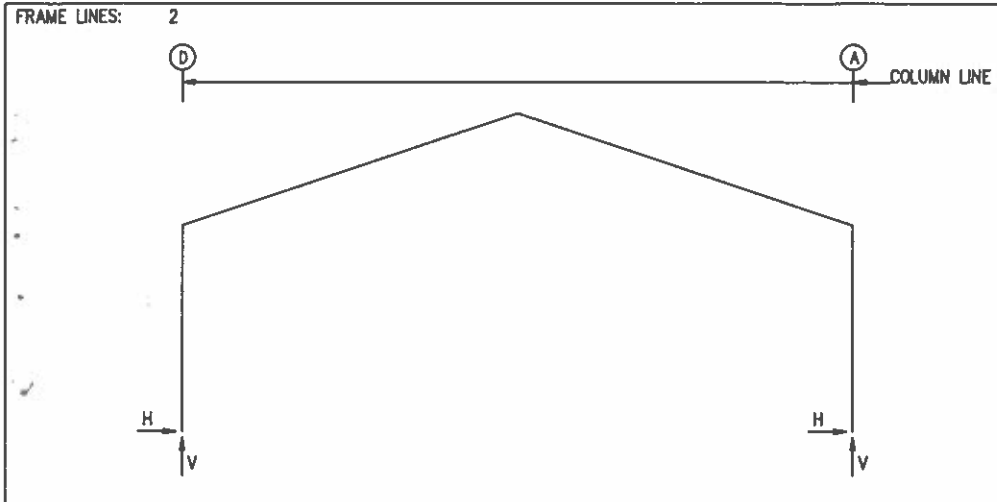
CUSTOMER NAME: MARTIN HAVRE	PROJECT NAME: MARTIN HAVRE
PROJECT LOCATION: 1775 WINTER HAVEN RD. FALLBROOK, CA 92028	PROJECT COUNTY: SAN DIEGO
PROJECT DIST. TYPE: AGRICULTURAL	CUSTOMER PHONE NUMBER: 760.224.3226
CUSTOMER EMAIL: MARTIN.HAVRE@GWA.COM	SCALE: N.T.S.
SHEET NUMBER: 3 OF 16	JOB NUMBER: 94702
SHEET TITLE: ANCHOR BOLT PLAN	



**REVIEWED**  
 By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.





**RIGID FRAME: BASIC COLUMN REACTIONS (k)**

FRAME Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
2	D	1.1	2.6	2.2	4.5	8.2	16.9	2.1	4.2	-11.6	-18.8	-0.8	-13.6
2	A	-1.1	2.6	-2.2	4.5	-8.2	16.9	-2.1	4.2	0.8	-13.6	11.6	-18.8

FRAME Line	Column Line	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
2	D	-11.0	-11.1	-0.2	-5.8	-0.7	-18.9	-2.9	-17.2	-3.1	-1.8	3.1	1.8
2	A	0.2	-5.8	11.0	-11.1	2.9	-17.2	0.7	-18.9	-3.1	1.8	3.1	-1.8

FRAME Line	Column Line	Seismic_Long Horiz	Seismic_Long Vert	FIUNB_SL_L Horiz	FIUNB_SL_L Vert	FIUNB_SL_R Horiz	FIUNB_SL_R Vert
2	D	0.0	-2.9	1.8	4.2	1.8	2.6
2	A	0.0	-2.9	-1.8	2.6	-1.8	4.2

**RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES**

Frm Line	Col Line	Load Id	Column_Reactions(k)				Bolt(in) QTY	DIA	Base_Plate(in)			Grout (in)	
			Hmax	V	Hmin	V			Width	Length	Thick		
2	D	1	11.5	23.9	2	-6.3	-9.8	4	0.750	6.000	10.75	0.500	0.0
		4			4	0.3	-9.8						
2	A	3	6.3	-9.8	1	-11.5	23.9	4	0.750	6.000	10.75	0.500	0.0
		1	-11.5	23.9	5	-0.3	-9.8						

- NOTES FOR REACTIONS**
- Building reactions are based on the following building data:
- Width (ft) = 52.00
  - Length (ft) = 52.00
  - Eave Height (ft) = 16.00/16.00
  - Roof Slope (rise/12) = 4.0:12/4.0:12
  - Dead Load (psf) = 2.00
  - Collateral Load (psf) = 5.00
  - Live Load (psf) = 20.00
  - Snow Load (psf) = 5.00
  - Ultimate Wind Speed (mph) = 115.00
  - Wind Code = CBC-22/IBC-21
  - Exposure = C
  - Closed/Open = Enclosed
  - Importance Wind = 1.00
  - Importance Seismic = 1.00
  - Seismic Zone = D
  - Seismic Coeff (Fo/Ss) = 1.42

ID	Description
1	Dead+Collateral+Live
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	0.6Dead+0.6Wind_Long1L
5	0.6Dead+0.6Wind_Long2L
6	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
7	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
8	1.09Dead+1.09Collateral+0.75Live+0.53Seismic_Right
9	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
10	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
11	1.09Dead+1.09Collateral+0.75Live+0.53Seismic_Left
12	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L
13	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
14	1.09Dead+1.09Collateral+0.75Live+0.53Seismic_LongR

**BUILDING BRACING REACTIONS**

Loc	Wall Line	Col Line	± Reactions(k)				Panel_Shear (lb/ft)
			Horz	Vert	Horz	Vert	
L_EW	1	D,C	2.7	3.5	2.9	3.8	
F_SW	A	2,3	5.0	2.8	5.3	2.9	
R_EW	3	B,C	2.7	2.9	2.9	2.9	
B_SW	D	3,2	5.0	2.8	5.3	2.9	

Reactions for seismic represent shear force, Eh

**ANCHOR BOLT SUMMARY**

QTY	LOCATE	DIA (in)	TYPE
12	JAMB	5/8"	A307
12	ENDWALL	5/8"	A307
8	ENDWALL	3/4"	A307
8	FRAME	3/4"	A307

**ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)**

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind Press Horiz
1	D	0.3	0.4	1.6	0.4	-2.7	-5.9	0.0	1.8	-2.7	-4.5	0.0	3.1	-1.5
1	C	0.8	1.4	5.2	1.3	0.0	-3.5	2.7	-8.7	0.0	-1.7	2.7	-6.9	-4.2
1	B	0.8	1.4	5.2	1.3	0.0	-4.1	0.0	-7.2	0.0	-2.3	0.0	-5.4	-4.2
1	A	0.3	0.4	1.6	0.4	0.0	-2.8	0.0	-2.2	0.0	-1.4	0.0	-0.9	-1.5

Frm Line	Col Line	Wind Suct Horiz	Wind_Long1		Wind_Long2		Seis_Left		Seis_Right		Seis Long		EIUNB_SL_L-	
			Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	1.7	0.0	-1.2	-1.3	-4.1	-2.9	-3.7	0.0	4.7	0.0	0.4	0.0	0.4
1	C	4.6	1.3	-8.2	0.0	-1.8	0.0	3.7	2.9	-4.6	0.1	0.0	1.6	0.0
1	B	4.6	0.0	-3.7	0.0	-5.9	0.0	0.3	0.0	-0.3	0.1	0.0	0.7	0.0
1	A	1.7	0.0	-2.3	0.0	-3.5	0.0	-0.2	0.0	0.2	0.0	0.0	0.1	0.0

Frm Line	Col Line	EIUNB_SL_R-	
		Horz	Vert
1	D	0.0	0.1
1	C	0.0	0.7
1	B	0.0	1.6
1	A	0.0	0.4

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1	Wind_Right1	Wind_Left2	Wind_Right2
						Horz	Vert	Horz	Vert
3	A	0.4	0.4	1.6	0.4	0.0	-2.2	0.0	-2.6
3	B	0.9	1.4	5.2	1.3	-2.7	-9.9	0.0	-1.7
3	C	0.9	1.4	5.2	1.3	0.0	-1.7	2.7	-9.9
3	D	0.4	0.4	1.6	0.4	0.0	-2.6	0.0	-2.2

Frm Line	Col Line	Wind_Press		Wind_Suct		Wind_Long1		Wind_Long2		Seis_Left		Seis_Right		Seis_Long	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
3	A	-7.4	-2.8	2.7	2.8	0.0	-3.4	0.0	-2.3	0.1	0.2	0.1	0.0	-5.3	-2.9
3	B	-4.2	0.0	4.7	0.0	0.0	-4.7	-1.3	-5.0	-2.9	-3.2	0.0	2.9	0.1	0.0
3	C	-4.2	0.0	4.7	0.0	1.3	-5.0	0.0	-4.7	0.0	2.9	2.9	-3.2	0.1	0.0
3	D	-7.4	-2.8	2.7	2.8	0.0	-2.3	0.0	-3.4	0.1	0.0	0.1	0.2	-5.3	-2.9

Frm Line	Col Line	E2UNB_SL_L-		E2UNB_SL_R-	
		Horz	Vert	Horz	Vert
3	A	0.0	0.4	0.0	0.1
3	B	0.0	1.6	0.0	0.7
3	C	0.0	0.7	0.0	1.6
3	D	0.0	0.1	0.0	0.4

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

Frm Line	Col Line	Column_Reactions(k)				Bolt(in) QTY	DIA	Base_Plate(in)			Grout (in)		
		Load Id	Hmax	V	Load Id			Hmin	V	Width		Length	Thick
1	D	6	1.0	-3.4	7	-0.9	-2.3	2	0.625	3.500	8.000	0.250	0.0
		8	0.0	4.5	6	1.0	-3.4						
1	C	9	2.8	-4.8	10	-2.5	-4.4	2	0.625	3.500	12.00	0.250	0.0
		11	0.0	8.3	9	2.8	-4.8						
1	B	9	2.8	-3.8	7	-2.5	-3.0	2	0.625	3.500	12.00	0.250	0.0
		1	0.0	7.4	9	2.8	-3.8						
1	A	12	1.0	-2.0	7	-0.9	-2.0	2	0.625	3.500	8.000	0.250	0.0
		1	0.0	2.3	12	1.0	-2.0						
3	A	13	1.6	-0.2	10	-4.4	-3.5	4	0.750	6.000	8.000	0.375	0.0
		14	0.0	3.6									
3	B	6	2.8	-5.4	7	-2.5	-2.4	2	0.625	3.500	12.00	0.250	0.0
		8	0.0	8.0	6	2.8	-5.4						
3	C	9	2.8	-5.4	10	-2.5	-2.4	2	0.625	3.500	12.00	0.250	0.0
		11	0.0	8.0	9	2.8	-5.4						
3	D	12	1.6	-0.2	7	-4.4	-3.5	4	0.750	6.000	8.000	0.375	0.0
		14	0.0	3.6									

JUL 03 2021  
 Great Western Compliance Services Inc

ISSUE	APPROVAL	PERMIT	DATE		CHK. ENG.	MEZ	RTS
			11/23/21	12/18/21			

**GWB**  
 3033 S. PARKER RD 12 FLOOR  
 AURORA, CO 80014  
 PHONE: (800)-497-2135  
 WWW.GREATWESTERNBUILDINGS.COM

CLIENT NAME: MARTIN HAYRE	PROJECT NAME: MARTIN HAYRE
PROJECT LOCATION: 1773 WINTER HAVEN RD. FALLBROOK, CA 92028	PROJECT COUNTY: SAN DIEGO
CLIENT JOB USE: AGRICULTURAL	CLIENT PHONE NUMBER: 760.224.3226
CLIENT EMAIL: MARTIN.HAYRE@GCA.COM	STATE: N.T.S.
SHEET NUMBER: 5 OF 16	SHEET TITLE: ANCHOR BOLT REACTIONS

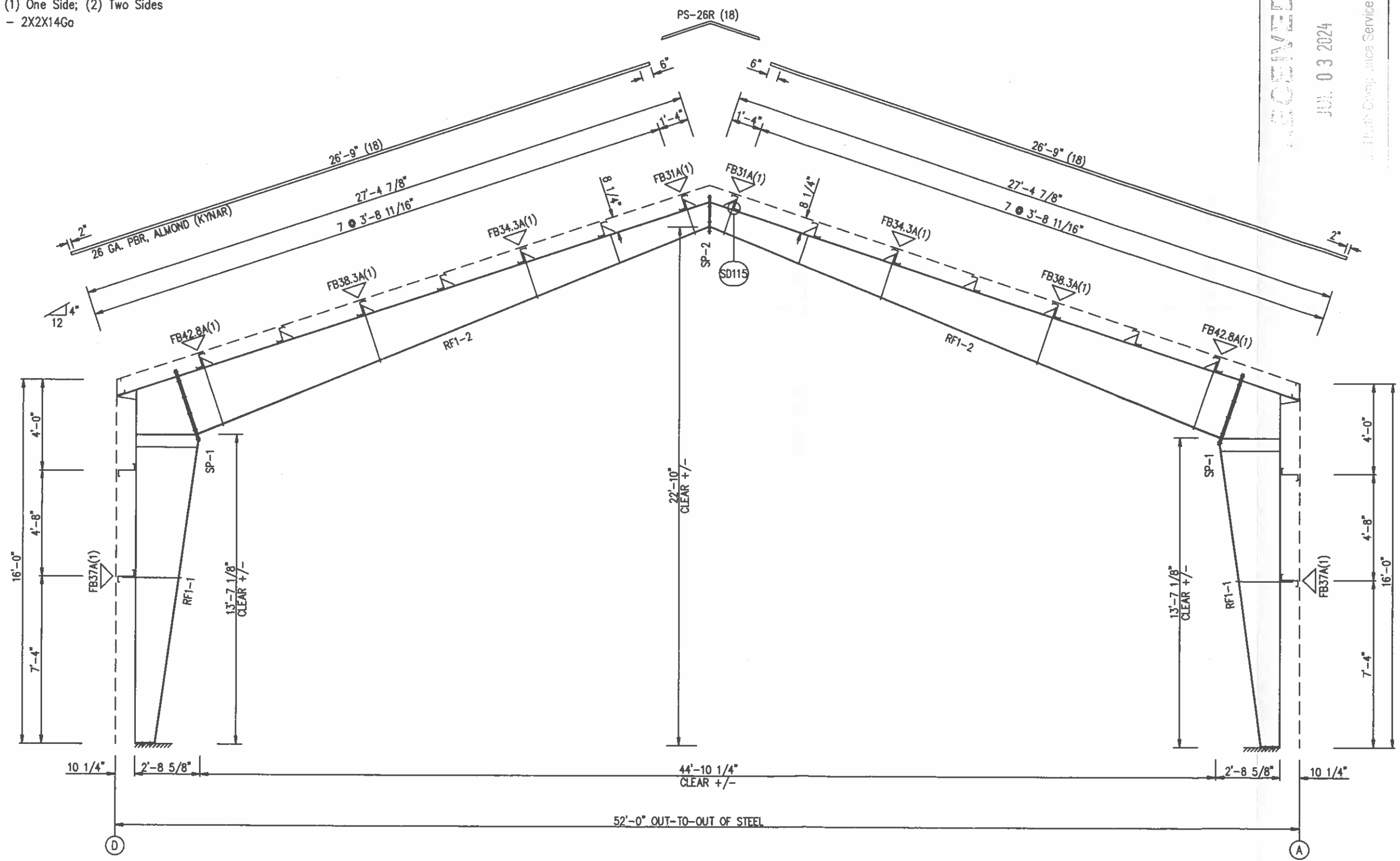
**REVIEWED**  
By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	4	A325	3/4"	2 1/4"
SP-2	4	4	0	A325	5/8"	1 3/4"

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	Inside Flange
	Start	End	Thick	Length	W x Thk x Length	W x Thk x Length
RF1-1	10.0	31.6	0.135	12'-11 3/4"	5 x 1/4" x 15'-5 15/16"	5 x 3/8" x 13'-4 1/4"
RF1-2	31.6	32.0	0.188	3'-1 1/8"	5 x 1/4" x 2'-8 3/4"	
	32.0	15.5	0.135	20'-0"	5 x 1/4" x 24'-6 7/16"	5 x 3/8" x 4'-10 9/16"
	15.5	12.0	0.135	4'-6 7/16"		5 x 1/4" x 19'-4 7/16"

FLANGE BRACES: FBxx (1 or 2)  
 xx=length(in)  
 (1) One Side; (2) Two Sides  
 A - 2X2X14Go



RECEIVED  
 JUL 03 2024  
 Great Western Buildings Services, Inc

ISSUE	DATE	CHK.	ENG.	RIS		RTS	
				APPROVAL	PERMIT	MEZ	CAF

**GWGB**  
 3033 S. PARKER RD 12 FLOOR  
 AURORA, CO 80014  
 PHONE: (800)-497-2135  
 WWW.GREATWESTERNBUILDINGS.COM

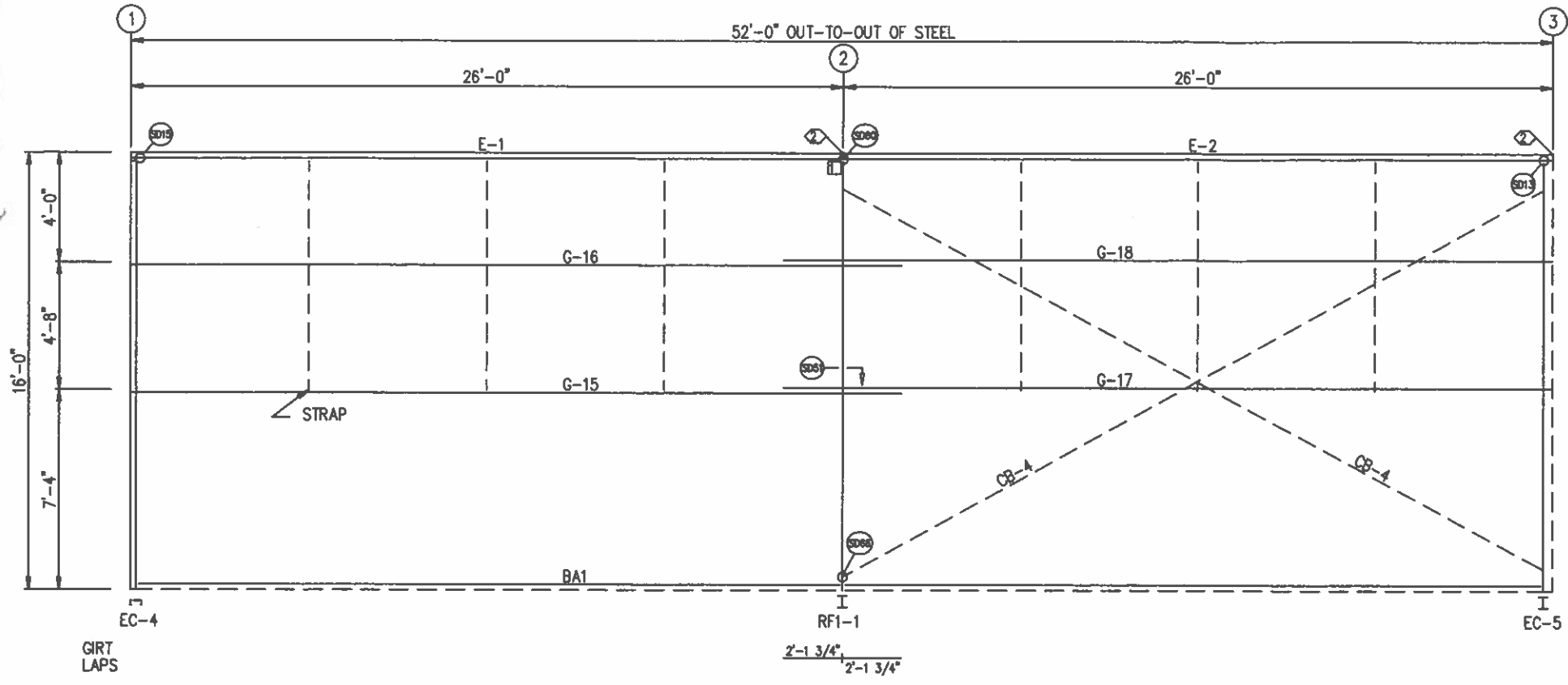
CUSTOMER NAME: MARTIN HAYRE	PROJECT NAME: MARTIN HAYRE
PROJECT LOCATION: 1773 WINTER HAVEN RD. FALLBROOK, CA 92028	PROJECT COUNTY: SAN DIEGO
PROJECT USE: AGRICULTURAL	CUSTOMER PHONE NUMBER: 760.224.3226
CUSTOMER EMAIL: MARTIN.HAYRE@GGA.COM	SCALE: N.T.S.
SHEET NUMBER: 6 OF 16	SHEET TITLE: RIGID FRAME ELEVATION

REGISTERED PROFESSIONAL ENGINEER  
 RICHARD T. SMITH  
 NO. 43451  
 CIVIL  
 STATE OF CALIFORNIA  
 exp 6/30/24

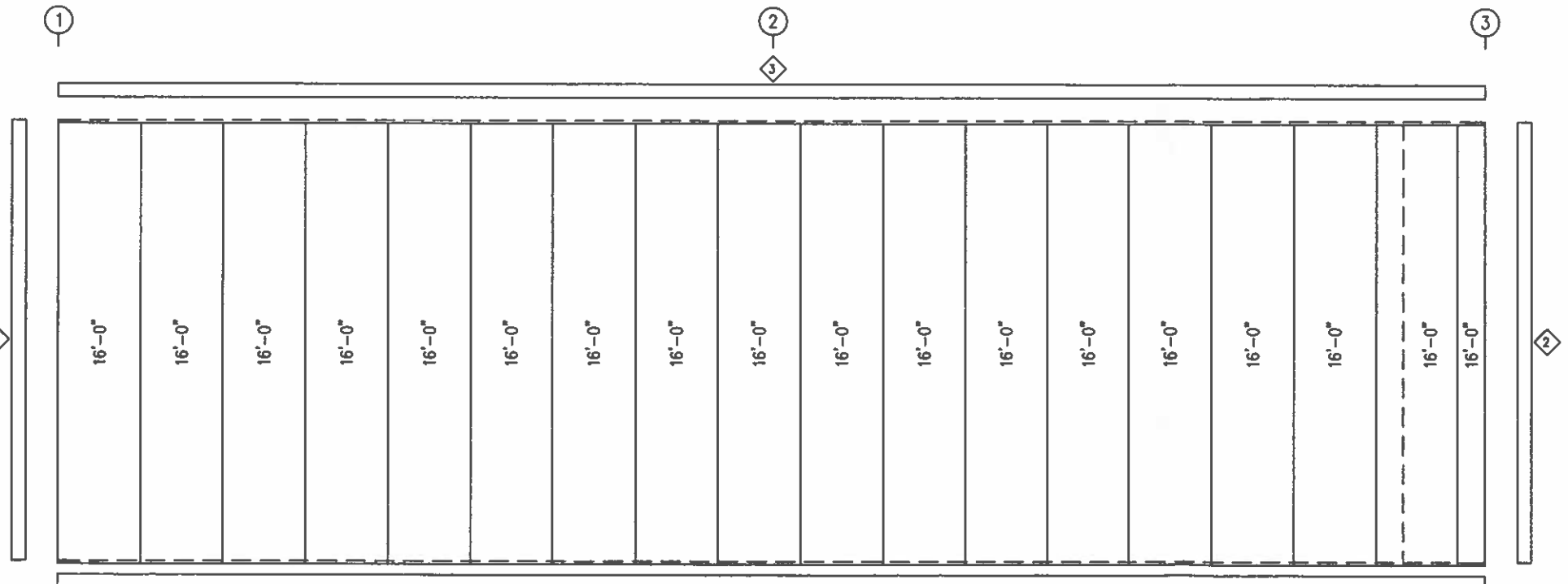
**REVIEWED**  
 By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS

RIGID FRAME ELEVATION: FRAME LINE 2



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A  
PANELS: 26 GA. PBR - COLONY GREEN

TRIM TABLE FRAME LINE A				
◇ID	QUAN	PART	LENGTH	DETAIL
1	6	FL-60	10'-2"	TD74
2	2	FL-10	16'-0"	TD40
3	5	FL-214	10'-7"	TD17

MEMBER TABLE FRAME LINE A			
QUAN	MARK	PART	LENGTH
1	E-1	L08E16-4	25'-11 1/2"
1	E-2	L08E16-4	25'-11 1/2"
1	G-15	10X25Z14	28'-1 1/2"
1	G-16	10X25Z16	28'-1 1/2"
1	G-17	10X25Z14	28'-1 1/2"
1	G-18	10X25Z16	28'-1 1/2"
2	CB-4	RD0625	30'-0 3/4"

SPECIAL BOLTS					
◇ID	QUAN	TYPE	DIA	LENGTH	WASH
2	2	A307	1/2"	1 1/4"	4

CONNECTION PLATES FRAME LINE A		
◇ID	QUAN	MARK
1	1	CL-18A

DATE	CHK.	ENG.	MEZ		RTS	
			11/23	12/23	AA	CAF

3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM

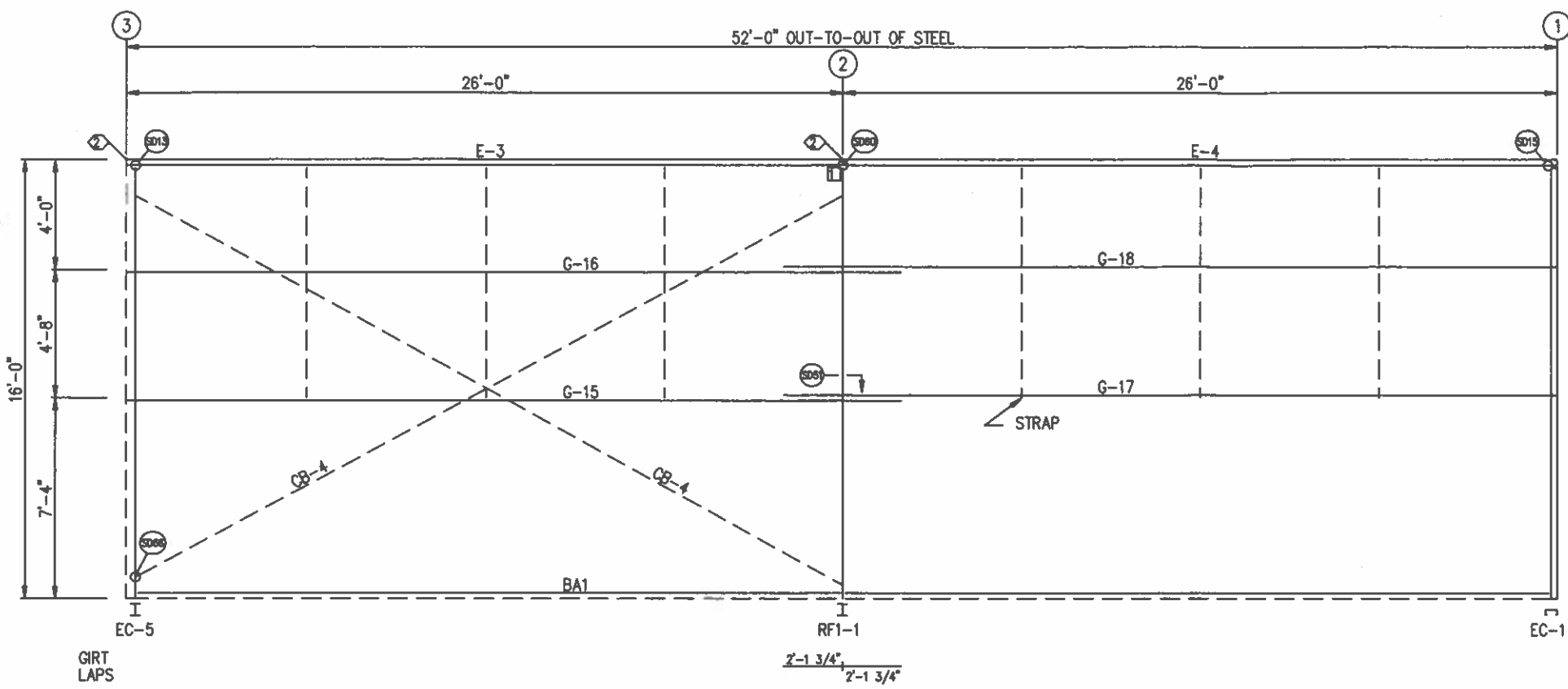
RECEIVED  
JUL 03 2024  
Great Western Buildings Compliance Services, Inc.

QUANTITY NAME	MARTIN HAYRE
PROJECT NAME	MARTIN HAYRE
PROJECT LOCATION	1773 WINTER HAVEN RD. FALLBROOK, CA 92028
PROJECT COUNTY	SAN DIEGO
PROJECT JOB USE	AGRICULTURAL
CUSTOMER PHONE NUMBER	760.223.3226
SUPPLIER TAG	MARTIN.HAYRE@GWA.COM
SCALE	N.T.S.
SHEET NUMBER	7 OF 16
DWG NUMBER	94702
SHEET TITLE	SIDEWALL FRAMING & SHEETING

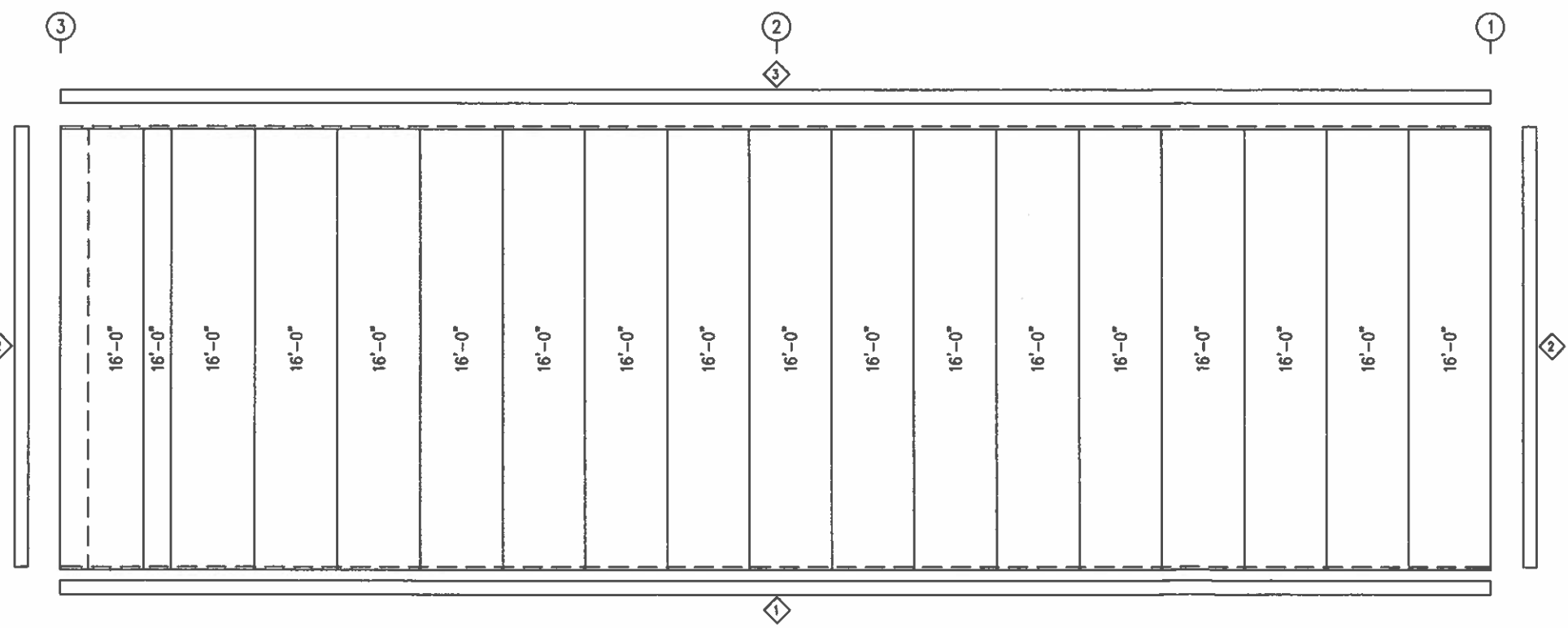
**REVIEWED**  
By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS





SIDEWALL FRAMING: FRAME LINE D



SIDEWALL SHEETING & TRIM: FRAME LINE D  
PANELS: 26 GA. PBR - COLONY GREEN

TRIM TABLE  
FRAME LINE D

ID	QUAN	PART	LENGTH	DETAIL
1	5	FL-60	10'-2"	TD74
2	2	FL-10	16'-0"	TD40
3	5	FL-214	10'-7"	TD17

MEMBER TABLE  
FRAME LINE D

QUAN	MARK	PART	LENGTH
1	E-3	L08E16-4	25'-11 1/2"
1	E-4	L08E16-4	25'-11 1/2"
1	G-15	10X25Z14	28'-1 1/2"
1	G-16	10X25Z16	28'-1 1/2"
1	G-17	10X25Z14	28'-1 1/2"
1	G-18	10X25Z16	28'-1 1/2"
2	CB-4	RD0625	30'-0 3/4"

SPECIAL BOLTS

ID	QUAN	TYPE	DIA	LENGTH	WASH
2	2	A307	1/2"	1 1/4"	4

CONNECTION PLATES  
FRAME LINE D

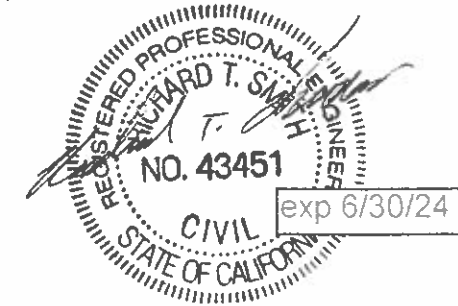
ID	QUAN	MARK
1	1	CL-18A

REVIEWED  
 JUL 03 2024  
 The Great Western Building Services, Inc.

DATE	DWN.	CHK.	ENG.
11/15/23	MEZ	MEZ	RTS
12/15/23	AA	CAF	RTS

3033 S. PARKER RD 12 FLOOR  
 AURORA, CO 80014  
 PHONE: (800)-497-2135  
 WWW.GREATWESTERNBUILDINGS.COM

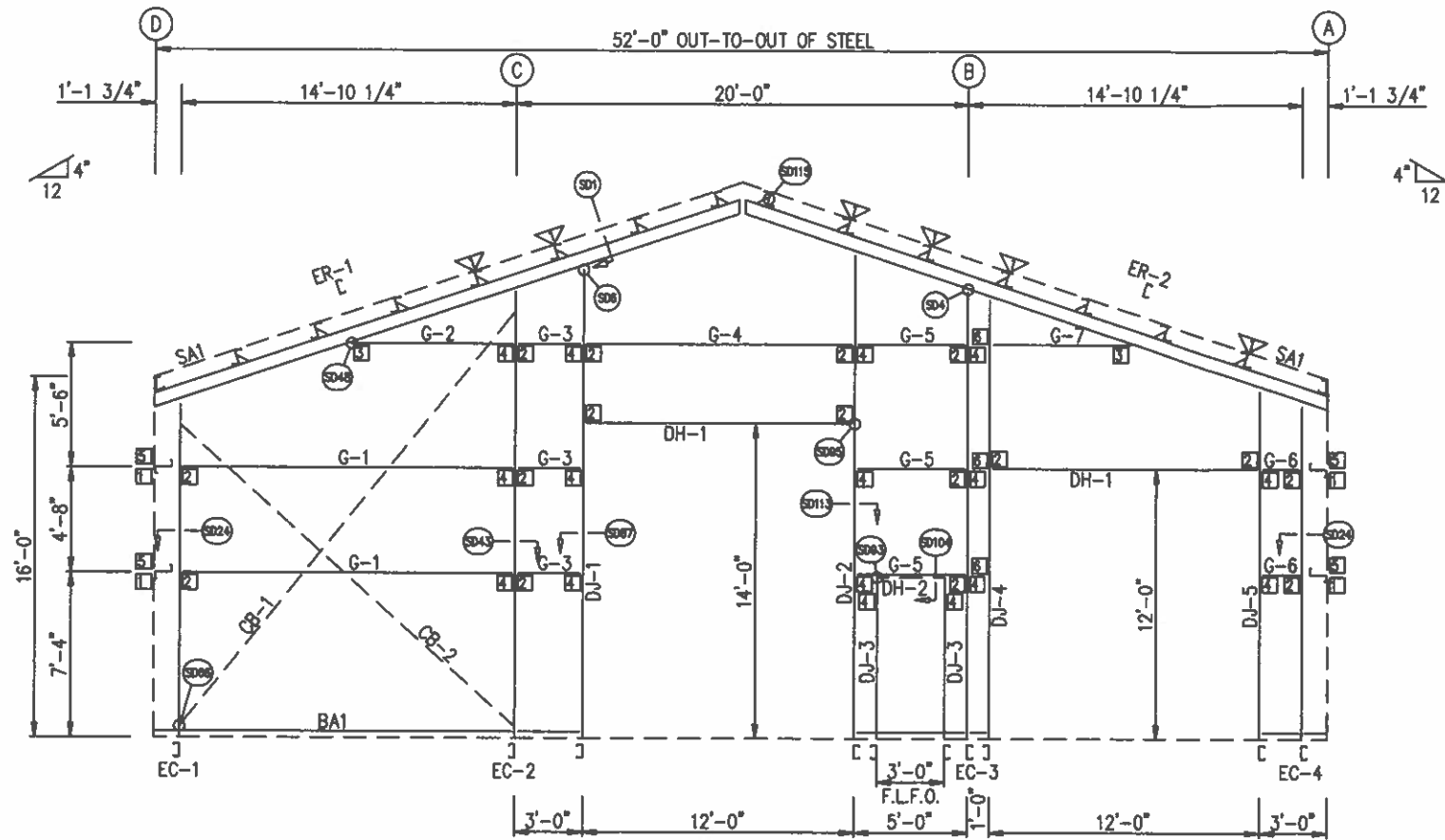
CUSTOMER NAME: MARTIN HAYRE	PROJECT NAME: MARTIN HAYRE
PROJECT LOCATION: 1773 WINTER HAVEN RD, FALLBROOK, CA 92028	PROJECT COUNTY: SAN DIEGO
PROJECT END USE: AGRICULTURAL	CUSTOMER PHONE NUMBER: 760.224.3226
CUSTOMER EMAIL: MARTIN.HAYRE@GGA.COM	SCALE: N.T.S.
SHEET NUMBER: 8 OF 16	CAD NUMBER: 94702



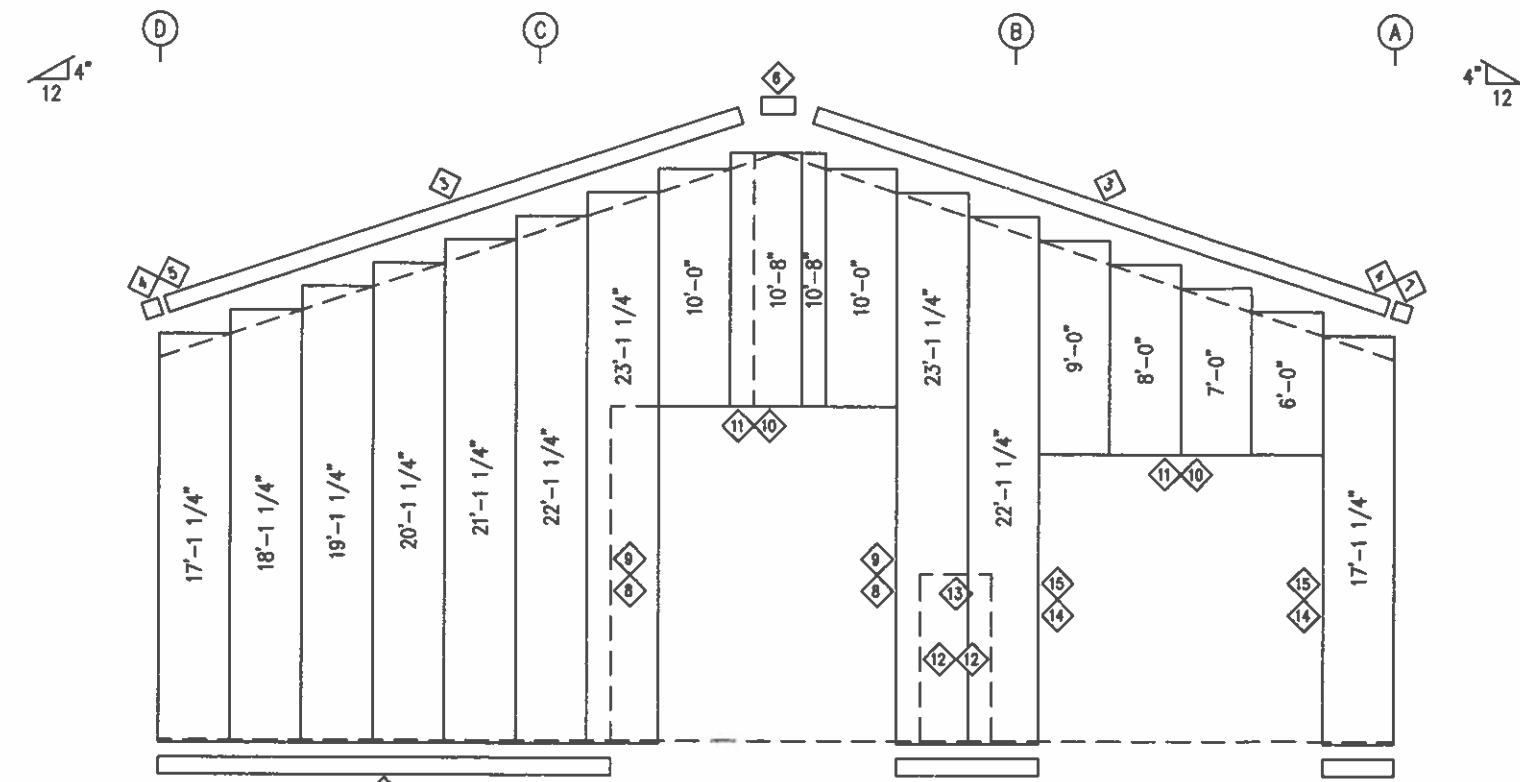
**REVIEWED**  
 By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

SIDEWALL FRAMING & SHEETING



ENDWALL FRAMING: FRAME LINE 1  
NOTE: F.L.F.O. = FIELD LOCATED FRAME OPENING



ENDWALL SHEETING & TRIM: FRAME LINE 1  
PANELS: 26 GA. PBR - COLONY GREEN

TRIM TABLE FRAME LINE 1				
ID	QUAN	PART	LENGTH	DETAIL
1	3	FL-60	10'-2"	TD74
3	6	FL-15	9'-7"	TD36
4	2	FL-601E	8 1/8"	TD85
5	1	FL-600L	5 5/8"	TD12
6	1	FL-17	1'-4"	
7	1	FL-600R	5 5/8"	TD12
8	2	FL-55	14'-2"	TD51
9	2	FL-48	14'-2"	TD51
10	2	FL-55	12'-7"	TD52
11	2	FL-52	12'-4"	TD52
12	2	FL-48	7'-2"	TD51
13	1	FL-52	3'-4"	TD52
14	2	FL-55	12'-2"	TD51
15	2	FL-48	12'-2"	TD51

BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	5/8"	1 3/4"
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"
JAMBS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE FRAME LINE 1			
QUAN	MARK	PART	LENGTH
1	EC-1	8x25C14	14'-8 5/8"
1	EC-2	12x25C12	19'-8"
1	EC-3	12x25C12	19'-8"
1	EC-4	8x25C16	14'-8 5/8"
1	ER-1	10X35C12	27'-4 5/8"
1	ER-2	10X35C12	27'-4 5/8"
1	DJ-1	8x25C12	20'-8"
1	DJ-2	8x25C12	21'-4"
2	DJ-3	8x25C16	7'-0"
1	DJ-4	8x25C16	19'-4"
1	DJ-5	8x25C16	15'-4"
2	DH-1	8x25C16	11'-11 1/2"
1	DH-2	GH-1	3'-0"
2	G-1	8X25Z16	14'-5 15/16"
1	G-2	8X25Z16	6'-1"
3	G-3	8X25Z16	2'-7 11/16"
1	G-4	8X25Z16	11'-11 1/2"
3	G-5	8X25Z16	4'-7 11/16"
2	G-6	8X25Z16	1'-5 15/16"
1	G-7	8X25Z16	5'-4 3/4"
1	CB-1	RD0625	24'-3 3/4"
1	CB-2	RD0625	20'-8"

CONNECTION PLATES FRAME LINE 1		
ID	QUAN	MARK
1	4	CL-211
2	16	CL-100
3	2	CL-109E
4	16	CL-103
5	4	CL-5
6	3	GW-500

FLANGE BRACE TABLE FRAME LINE 1		
ID	QUAN	MARK
1	5	FB30

3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM

COURTSHIP NAME: MARTIN HAVRE  
PROJECT NAME: MARTIN HAVRE  
PROJECT LOCATION: 1773 WINTER HAVEN RD. FALLBROOK, CA 92028  
PROJECT COUNTY: SAN DIEGO  
PROJECT DIST. USE: AGRICULTURAL  
COURTSHIP PHONE NUMBER: 760.224.3226  
COURTSHIP EMAIL: MARTIN.HAVRE@GWA.COM  
SCALE: N.T.S.

SHEET NUMBER: 9 OF 16  
SHEET TITLE: 94702

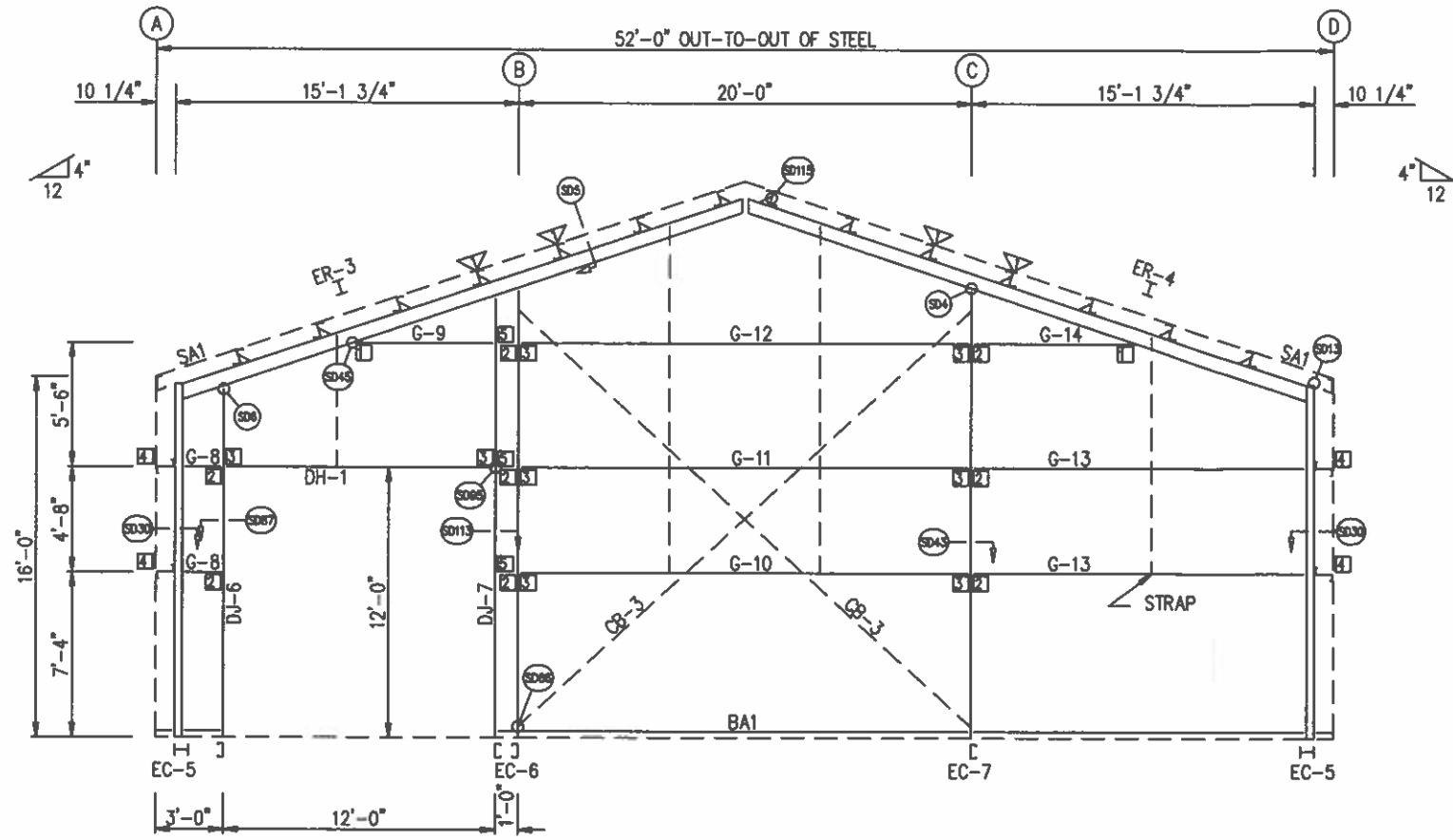
RECEIVED  
JUL 03 2024  
True North Compliance Services, Inc.

REGISTERED PROFESSIONAL ENGINEER  
RICHARD T. SMITH  
NO. 43451  
CIVIL  
STATE OF CALIFORNIA  
exp 6/30/24

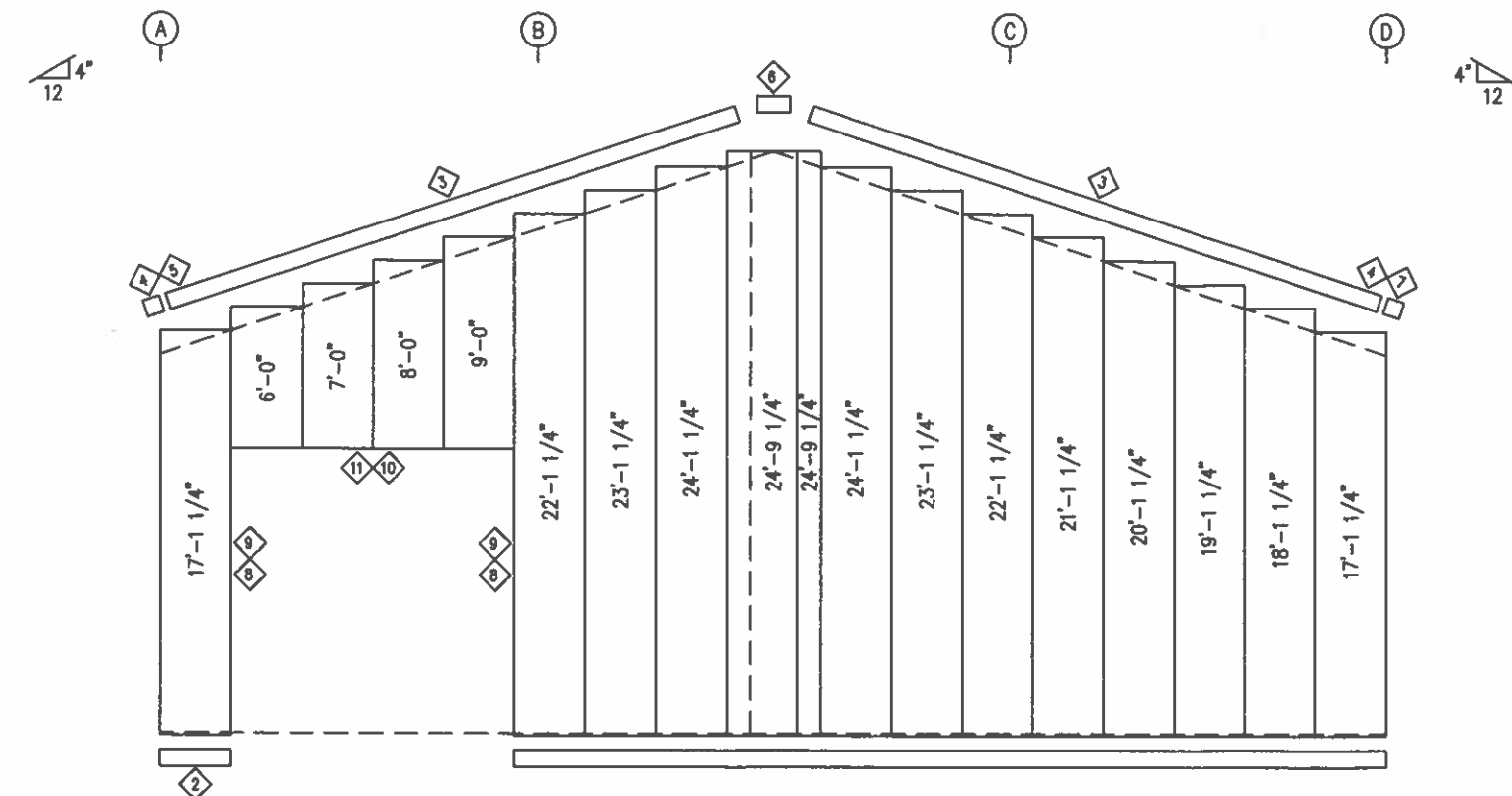
**REVIEWED**  
By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

ENDWALL FRAMING & SHEETING



ENDWALL FRAMING: FRAME LINE 3



ENDWALL SHEETING & TRIM: FRAME LINE 3

PANELS: 26 GA. PBR - COLONY GREEN

TRIM TABLE FRAME LINE 3				
ID	QUAN	PART	LENGTH	DETAIL
2	4	FL-60	10'-2"	TD74
3	6	FL-15	9'-7"	TD36
4	2	FL-601E	8 1/8"	TD85
5	1	FL-600L	5 5/8"	TD12
6	1	FL-17	1'-4"	
7	1	FL-600R	5 5/8"	TD12
8	2	FL-55	12'-2"	TD51
9	2	FL-48	12'-2"	TD51
10	1	FL-55	12'-7"	TD52
11	1	FL-52	12'-4"	TD52

BOLT TABLE FRAME LINE 3				
LOCATION	QUAN	TYPE	DIA	LENGTH
COR_COLUMN/RAFTER	4	A325	5/8"	1 1/2"
ER-3/ER-4	8	A325	5/8"	1 1/2"
INT_COLUMN/RAFTER	2	A325	5/8"	1 1/2"
JAMBS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE FRAME LINE 3			
QUAN	MARK	PART	LENGTH
2	EC-5	WBX10	15'-9 3/8"
1	EC-6	12X35C12	19'-10 1/4"
1	EC-7	12X35C12	19'-10 1/4"
1	ER-3	WBX10	26'-0 3/8"
1	ER-4	WBX10	26'-0 3/8"
1	DJ-6	8x25C16	15'-6 1/4"
1	DJ-7	8x25C16	19'-6 1/4"
1	DH-1	8x25C16	11'-11 1/2"
2	G-8	8X25Z16	1'-1 9/16"
1	G-9	8X25Z16	5'-11 1/2"
1	G-10	8X25Z14	19'-11 1/2"
1	G-11	8X35Z16	19'-11 1/2"
1	G-12	8X35Z14	19'-11 1/2"
2	G-13	8X25Z16	14'-1 9/16"
1	G-14	8X25Z16	6'-7 5/8"
2	CB-3	RD0500	27'-11 1/4"

CONNECTION PLATES FRAME LINE 3		
ID	QUAN	MARK
1	2	CL-109E
2	8	CL-103
3	8	CL-100
4	4	4' ZEE
5	3	GW-500

FLANGE BRACE TABLE FRAME LINE 3		
ID	QUAN	MARK
1	4	FB29.3

ISSUE	APPROVAL	PERMIT	DATE	11/13/23	12/18/23	MEZ	CAF	RTS	RTS	ENG.

3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM

PROJECT NAME: MARTIN HAVRE  
PROJECT LOCATION: MARTIN HAVRE 1773 WINTER HAVEN RD. FALLBROOK, CA 92028  
PROJECT COUNTY: SAN DIEGO  
PROJECT DIST TYPE: AGRICULTURAL  
CONTRACTOR PHONE NUMBER: 760.224.3226  
CONTRACTOR EMAIL: MARTIN.HAVRE@GWA.COM  
SCALE: N.T.S.

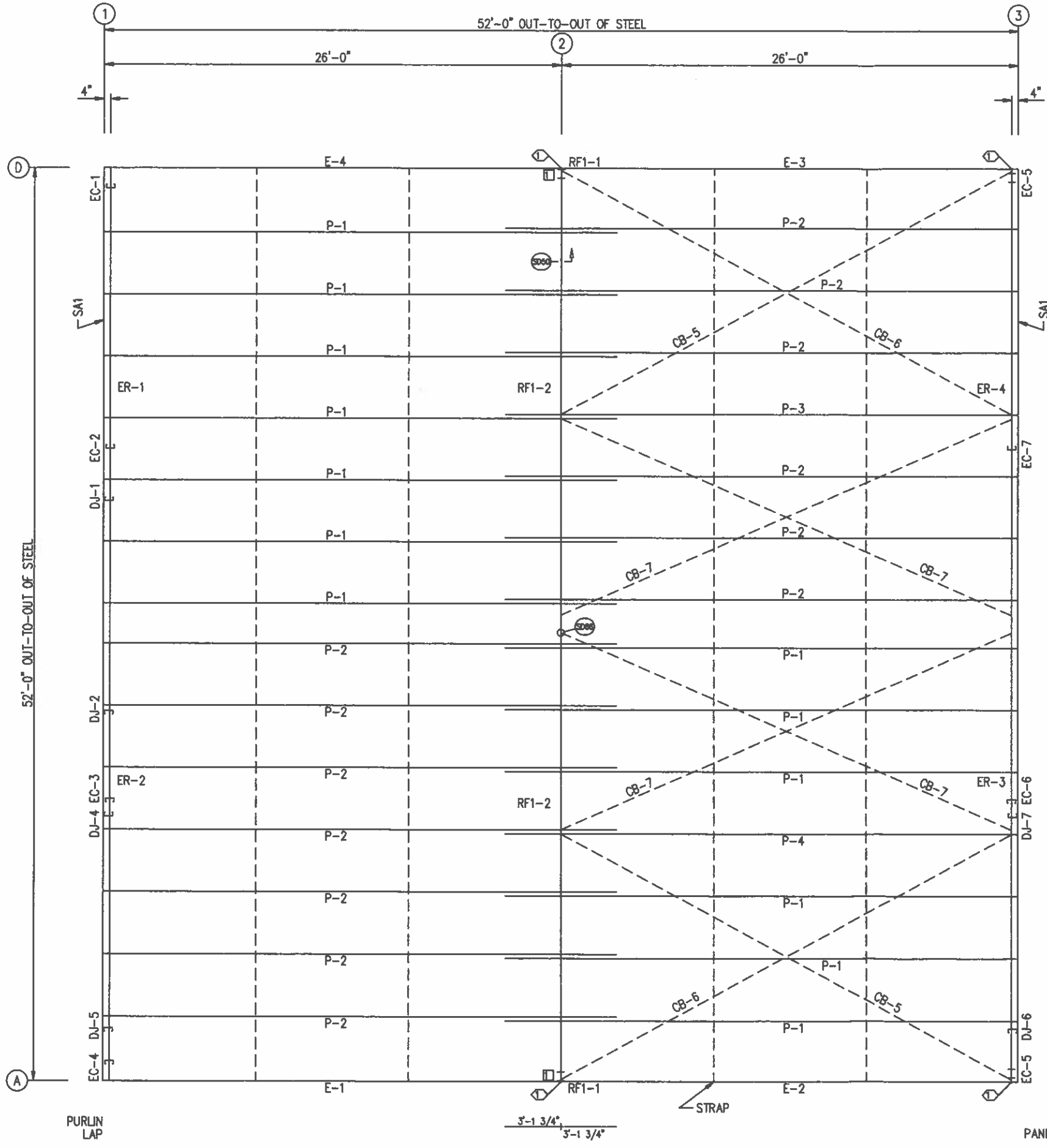
10 OF 16  
94702

RECEIVED  
 JUL 03 2024  
 Titic North Compliance Services, Inc.

**REVIEWED**  
By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS

ENDWALL FRAMING & SHEETING



ROOF FRAMING PLAN

ROOF SHEETING  
 PANELS: 26 GA. PBR ALMOND (KYMAR)

TRIM TABLE  
 ROOF PLAN

ID	QUAN	PART	LENGTH	DETAIL
1	18	PS-26R	3'-0"	TD8

MEMBER TABLE  
 ROOF PLAN

QUAN	MARK	PART	LENGTH
13	P-1	8X25Z16	29'-1 1/2"
13	P-2	8X25Z16	29'-1 1/2"
1	P-3	8X25Z14	29'-1 1/2"
1	P-4	8X25Z14	29'-1 1/2"
1	E-1	L08E16-4	25'-11 1/2"
1	E-2	L08E16-4	25'-11 1/2"
1	E-3	L08E16-4	25'-11 1/2"
1	E-4	L08E16-4	25'-11 1/2"
2	CB-5	RD0500	28'-6 3/4"
2	CB-6	RD0500	29'-3 1/2"
4	CB-7	RD0500	28'-6 1/2"

SPECIAL BOLTS  
 ROOF PLAN

ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	11 1/4"	8

CONNECTION PLATES  
 ROOF PLAN

ID	QUAN	MARK
1	2	CL-18A

DATE	DWN.	CHK.	ENG.
11/13/23	MEZ	MEZ	RTS
12/18/23	AA	CAF	RTS

3033 S. PARKER RD 12 FLOOR  
 AURORA, CO 80014  
 PHONE: (800)-497-2135  
 WWW.GREATWESTERNBUILDINGS.COM

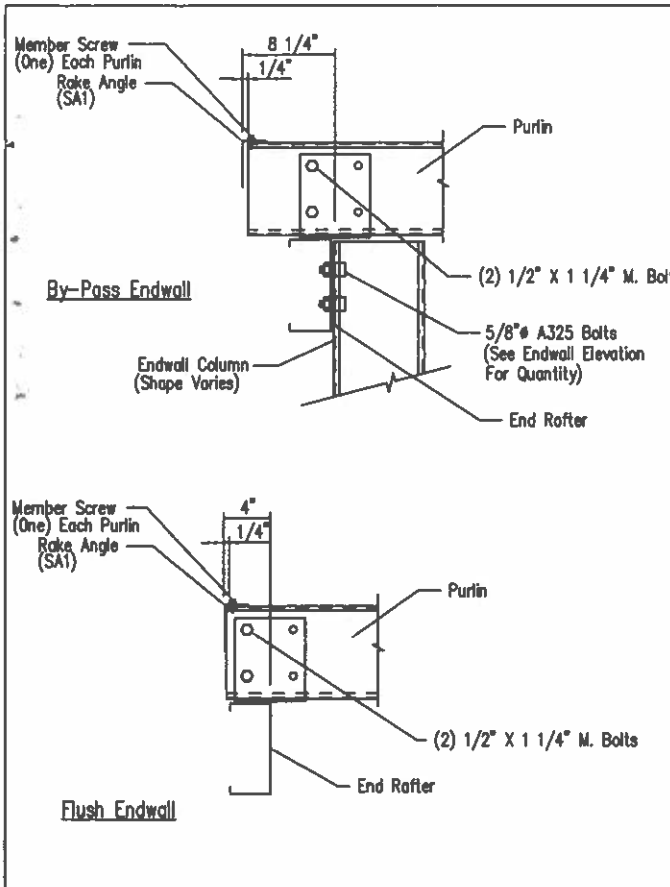
CUSTOMER NAME: MARTIN HAYRE  
 PRODUCT NAME: MARTIN HAYRE  
 PROJECT LOCATION: 1773 WINTER HAVEN RD, FALLBROOK, CA 92028  
 PROJECT COUNTY: SAN DIEGO  
 PROJECT SUB TYPE: AGRICULTURAL  
 CUSTOMER PHONE NUMBER: 760.224.3226  
 CUSTOMER EMAIL: MARTIN.HAYRE@GCA.COM  
 SCALE: N.T.S.  
 SHEET NUMBER: 11 OF 16  
 JOB NUMBER: 94702

APPROVED  
 JUL 03 2024  
 Compliance Services, Inc.

**REVIEWED**  
 By Richard T Smith at 7:29 pm, Dec 18, 2023

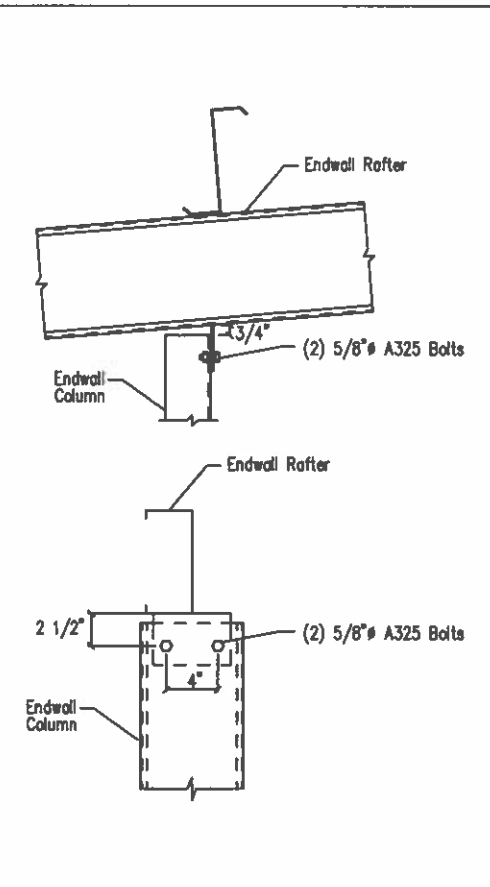
THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

ROOF FRAMING & SHEETING PLAN



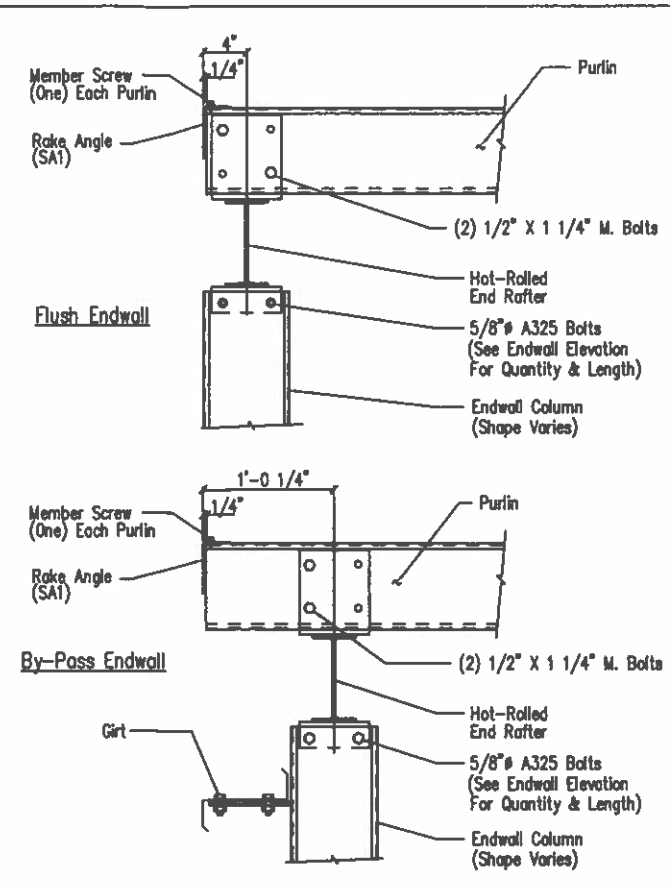
Section Thru Rake at Cold-Form Rafter

DRAWING NO.  
SD1



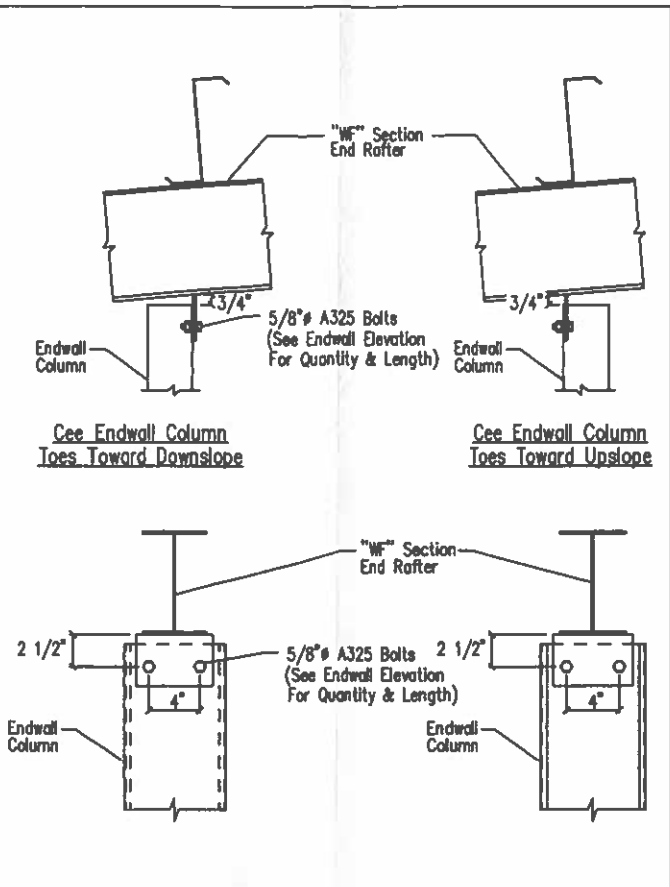
Cold Form Column to Cold Form Rafter

DRAWING NO.  
SD4



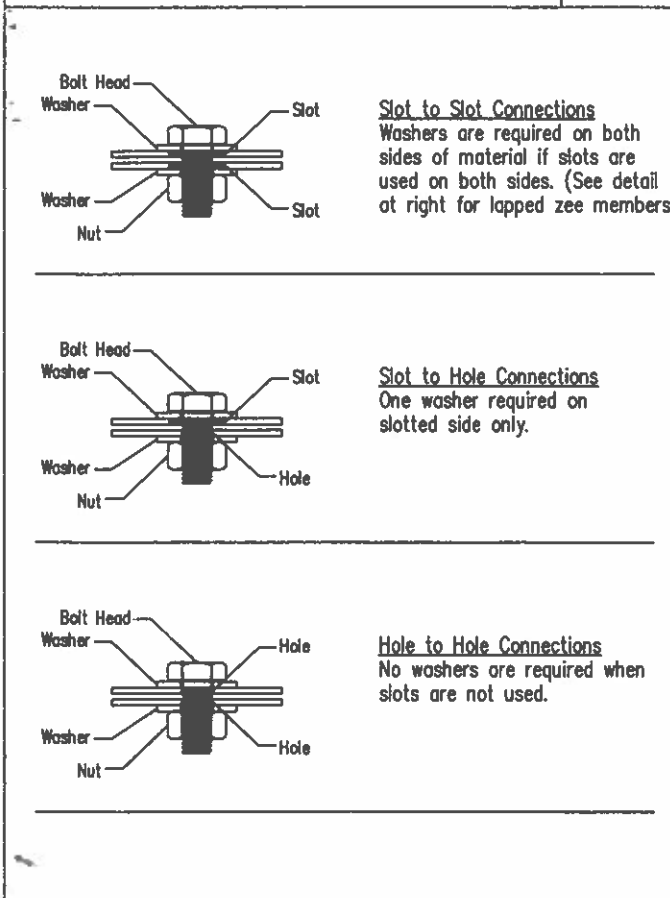
Section Thru Rake w/Hot Rolled Rafter

DRAWING NO.  
SD5



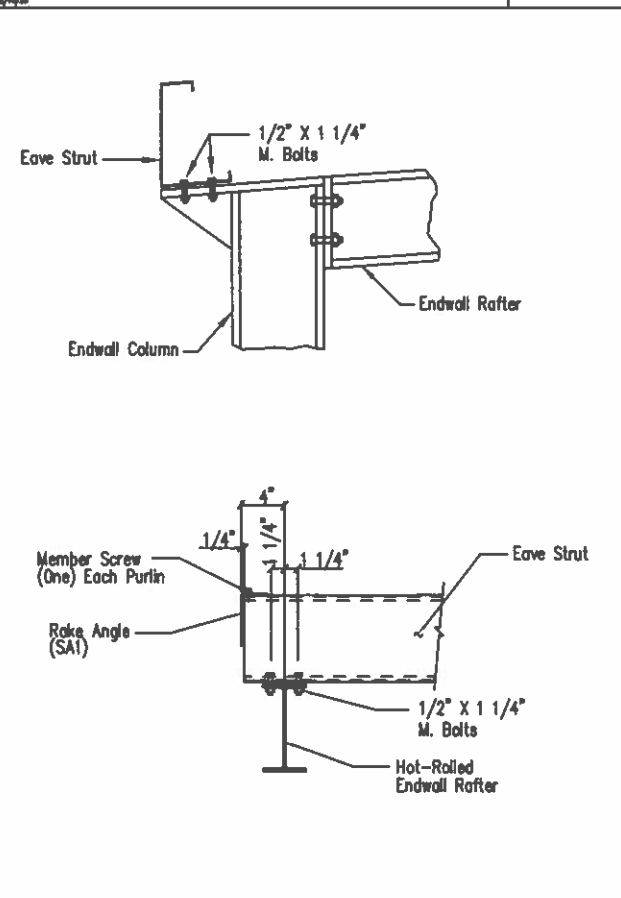
Cold Form Column to Hot Rolled Rafter

DRAWING NO.  
SD6



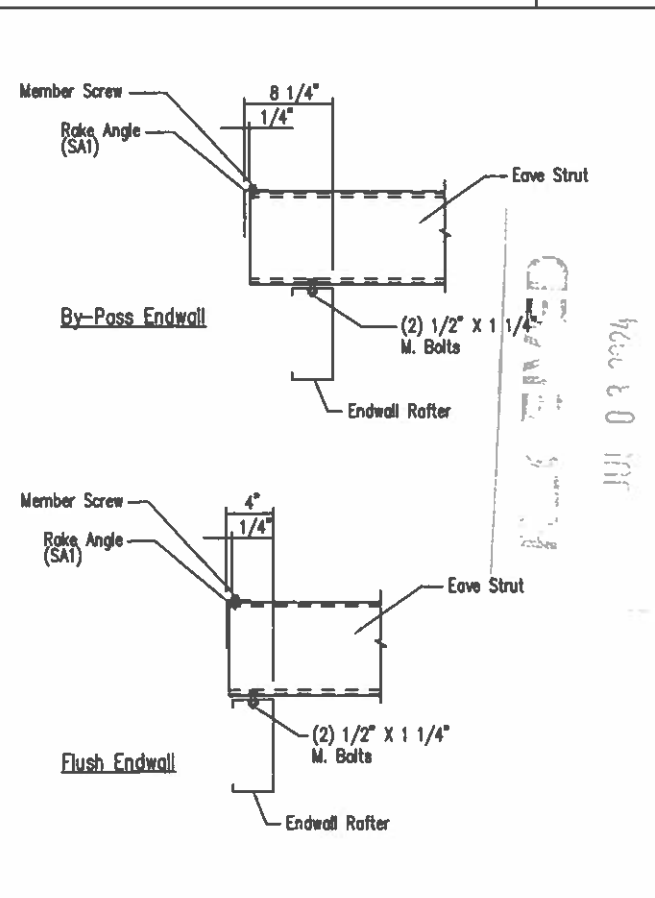
Typical Washer Requirements

DRAWING NO.  
SD11



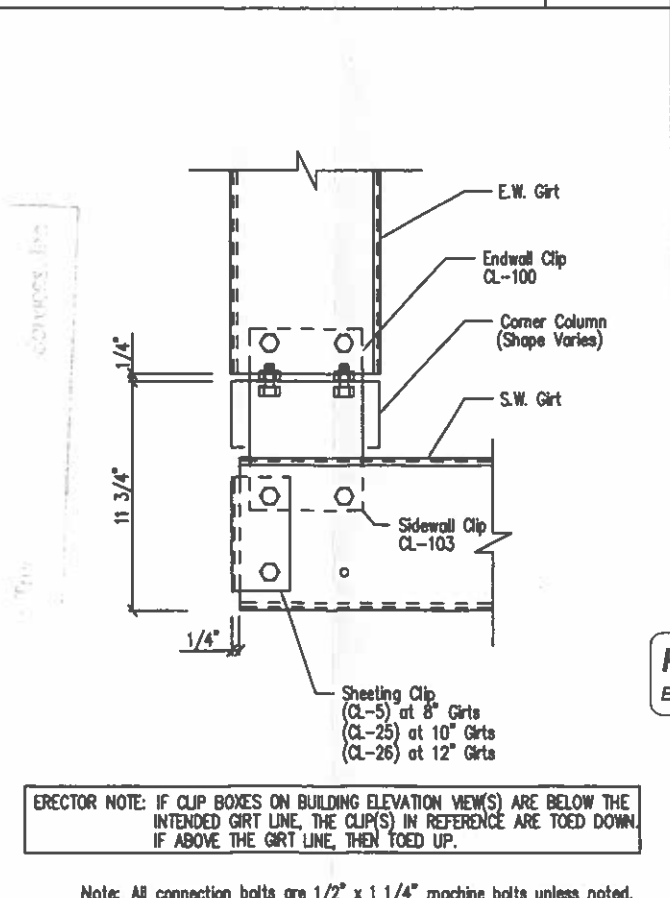
Corner Column Connection WF Rafter/Column  
By-Pass Sidewall

DRAWING NO.  
SD13



Eave Strut to Cold Form Rafter Connection

DRAWING NO.  
SD15



Section at "C" Corner Column  
Flush Endwall

DRAWING NO.  
SD24

DATE	ISSUE	DWN.	CHK.	ENG.
11/14/21	APPROVAL	MEZ	MEZ	RTS
12/14/21	PERMIT	AA	CAF	RTS

3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME: MARTIN HAVRE	PROJECT LOCATION: 1773 WINTER HAVEN RD., FALLBROOK, CA 92028
PROJECT COUNTY: SAN DIEGO	PROJECT TYPE: AGRICULTURAL
CUSTOMER PHONE NUMBER: 760.224.3226	SCALE: N.T.S.
CUSTOMER EMAIL: MARTIN.HAVRE@GGA.COM	SHEET NUMBER: 12 OF 16
	DRAWING NO.: 94702

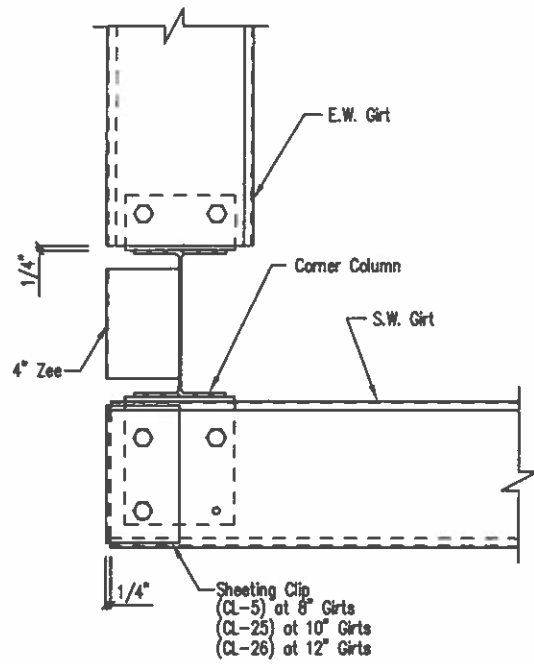
**REVIEWED**  
By Richard T Smith at 7:29 pm, Dec 18, 2023

ERECTOR NOTE: IF CLIP BOXES ON BUILDING ELEVATION VIEW(S) ARE BELOW THE INTENDED GIRT LINE, THE CLIP(S) IN REFERENCE ARE TOED DOWN. IF ABOVE THE GIRT LINE, THEN TOED UP.

Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

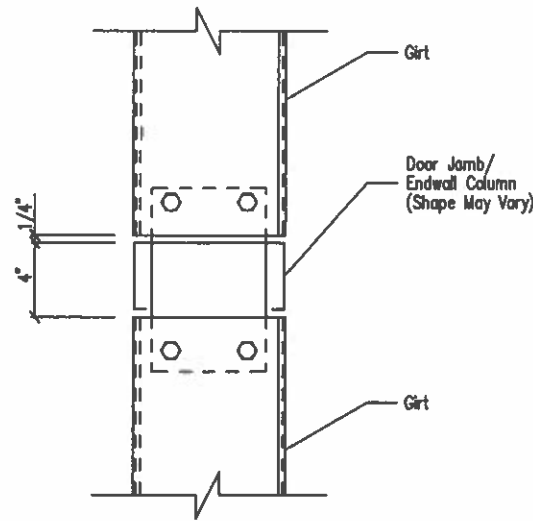
DETAIL DRAWINGS



Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

Section at Hot Rolled Corner Column  
Flush Endwall - By-Pass Sidewall

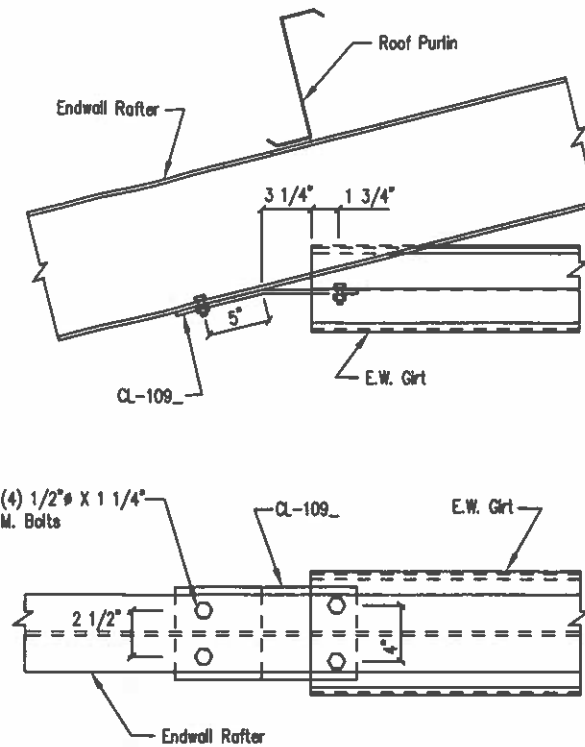
DRAWING NO.  
SD30



Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

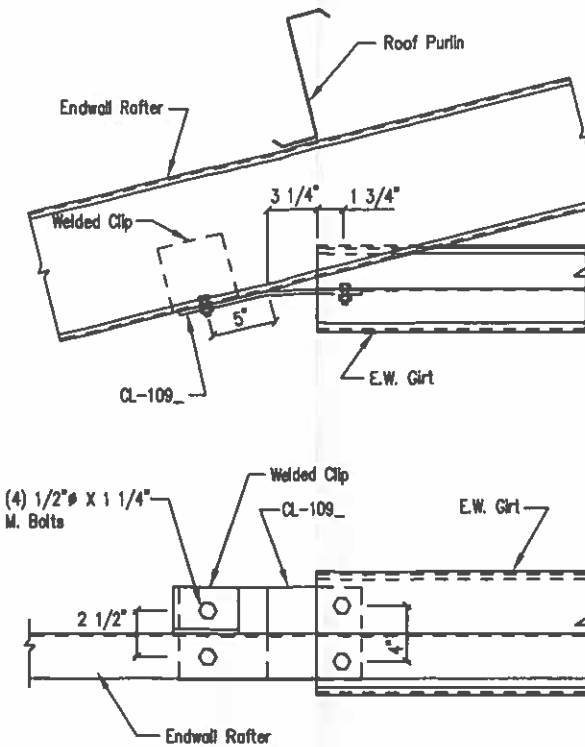
Girt to "C" Door Jamb/Endwall Column Connection

DRAWING NO.  
SD43



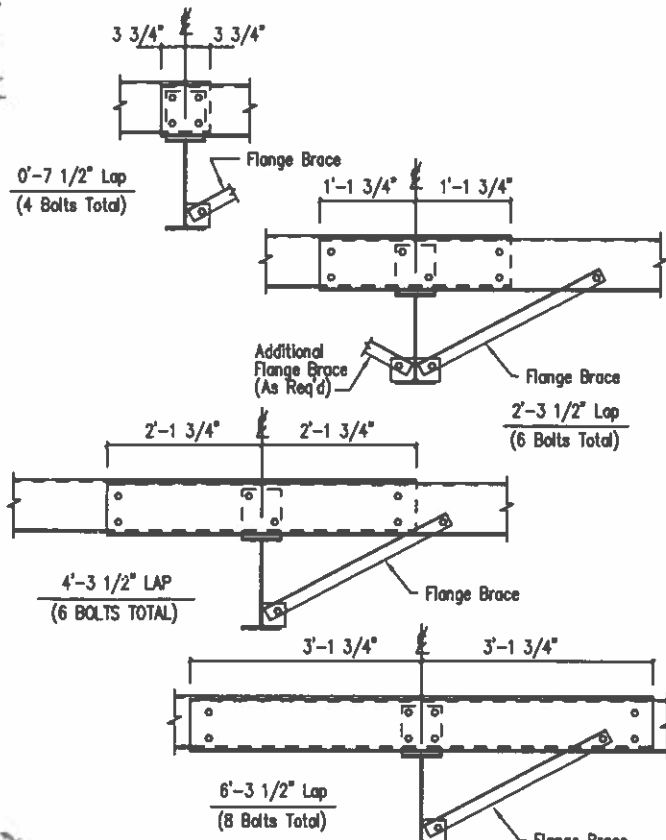
Endwall Girt to Hot Rolled Rafter

DRAWING NO.  
SD45



Endwall Girt to Cold Form Rafter

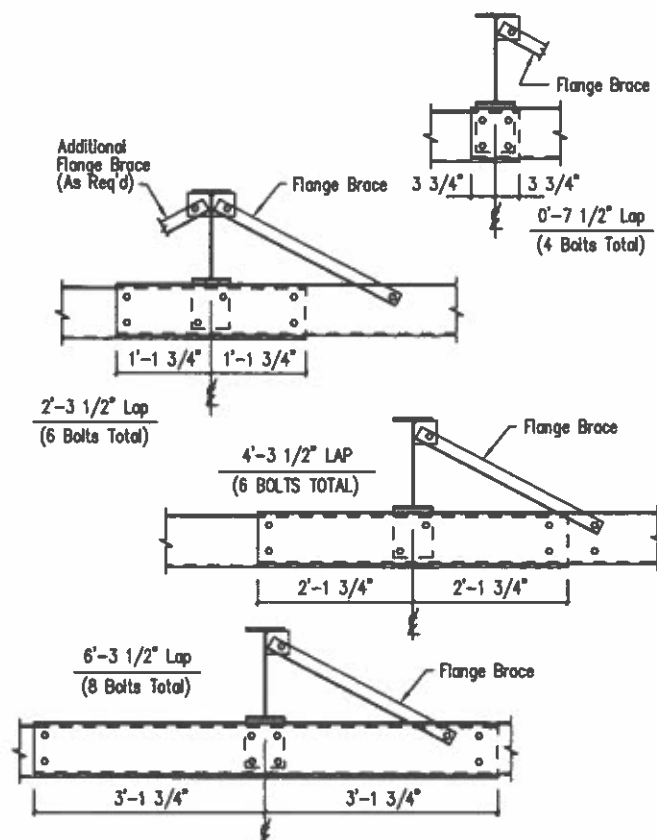
DRAWING NO.  
SD48



Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

Interior Bay Purlin Framing

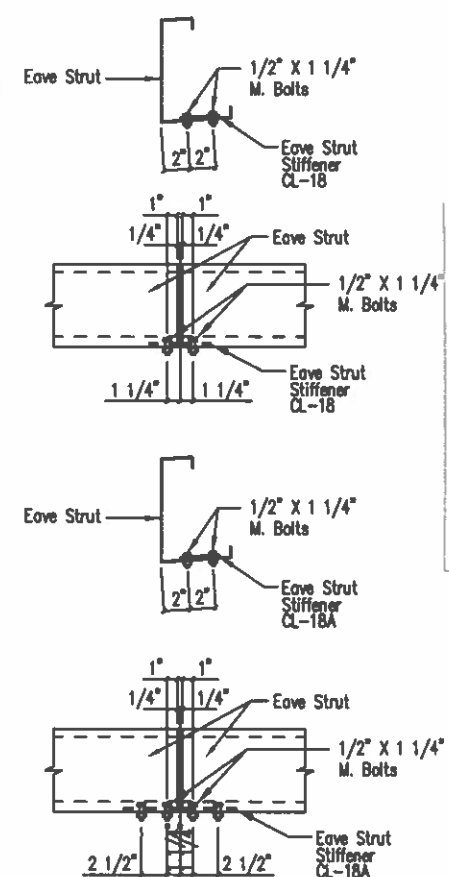
DRAWING NO.  
SD50



Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

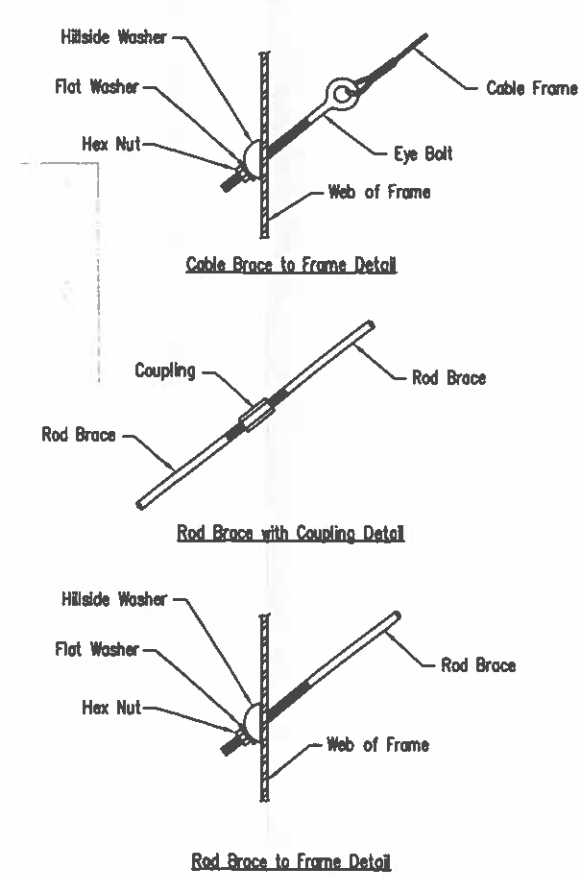
Interior Bay Girt Framing

DRAWING NO.  
SD51



Eave Strut Stiffener Plate  
Low Eave

DRAWING NO.  
SD60



Cable or Rod Brace to Frame Connection

DRAWING NO.  
SD66

DATE	DWN.	CHK.	ENG.
11/12/23	MEZ	MEZ	RTS
12/18/23	AA	CAF	RTS

**GWBB**  
 3033 S. PARKER RD 12 FLOOR  
 AURORA, CO 80014  
 PHONE: (800)-497-2135  
 WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME: MARTIN HAYRE	PROJECT LOCATION: MARTIN HAYRE	PROJECT COUNTY: SAN DIEGO	CUSTOMER PHONE NUMBER: 760.924.3226	STATUS: N.T.S.
PROJECT ADDRESS: 1773 WINTER HAVEN RD. FALLBROOK, CA 92028	CUSTOMER EMAIL: MARTIN.HAYRE@GCA.COM			
SHEET NUMBER: 13 OF 16	DRAWING NUMBER: 94702			

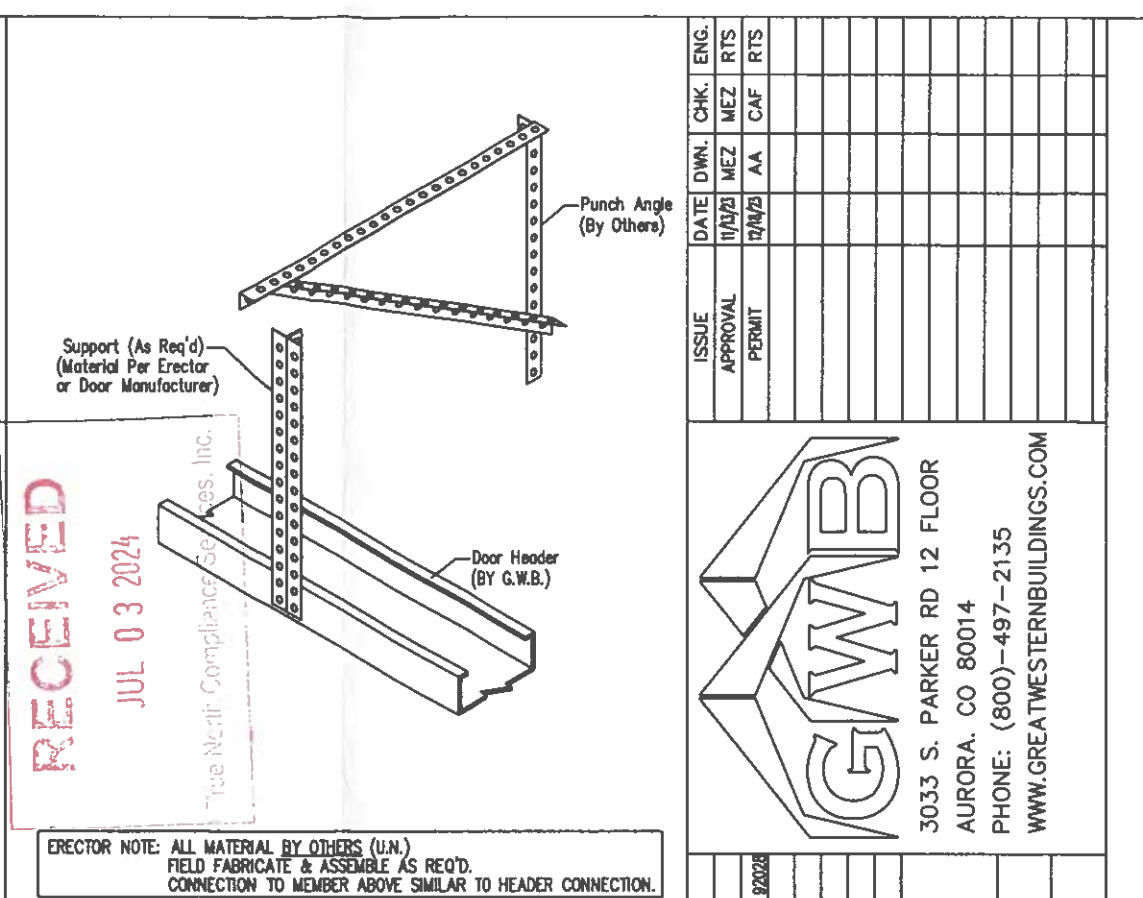
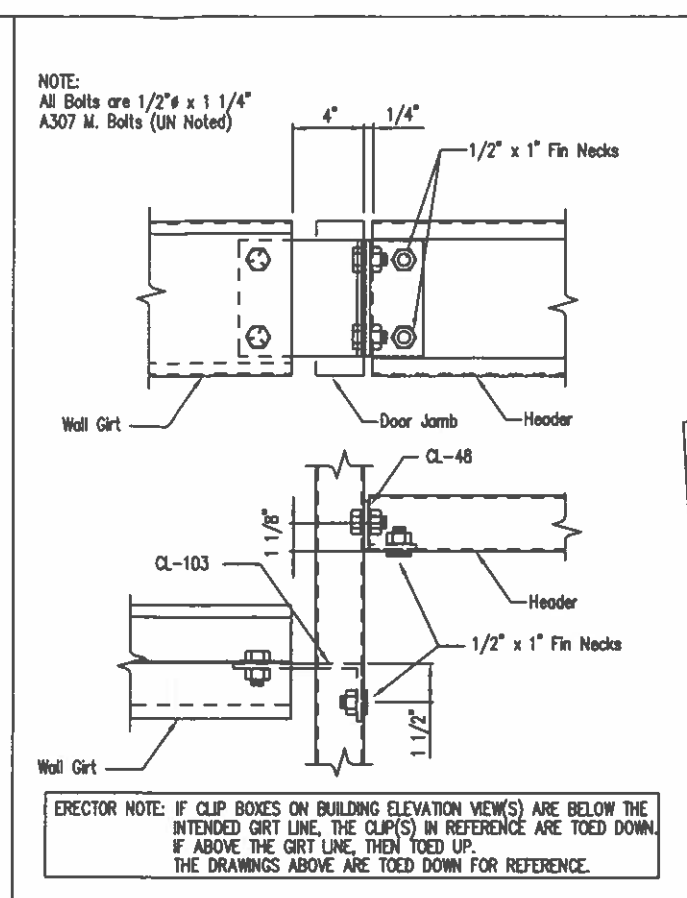
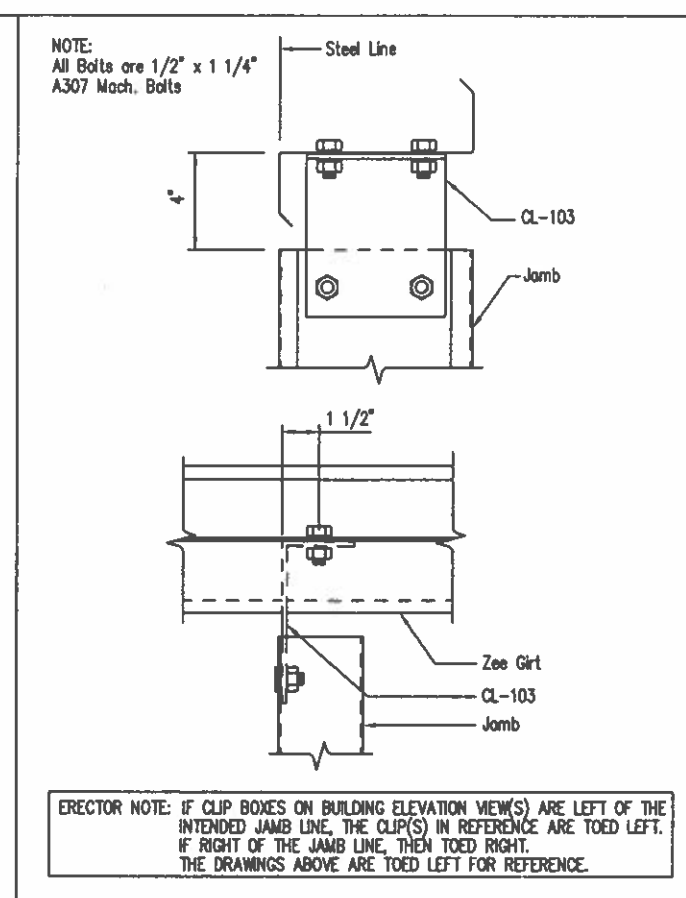
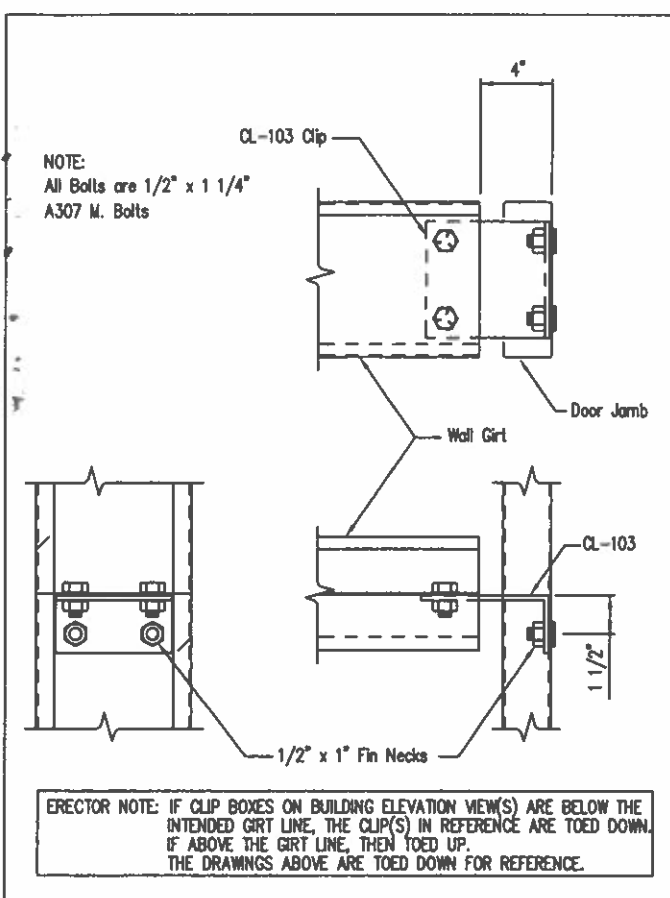
**REGISTERED PROFESSIONAL ENGINEER**  
 RICHARD T. SMITH  
 NO. 43451  
 CIVIL  
 STATE OF CALIFORNIA  
 exp 6/30/24

**REVIEWED**  
 By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH

DETAIL DRAWINGS



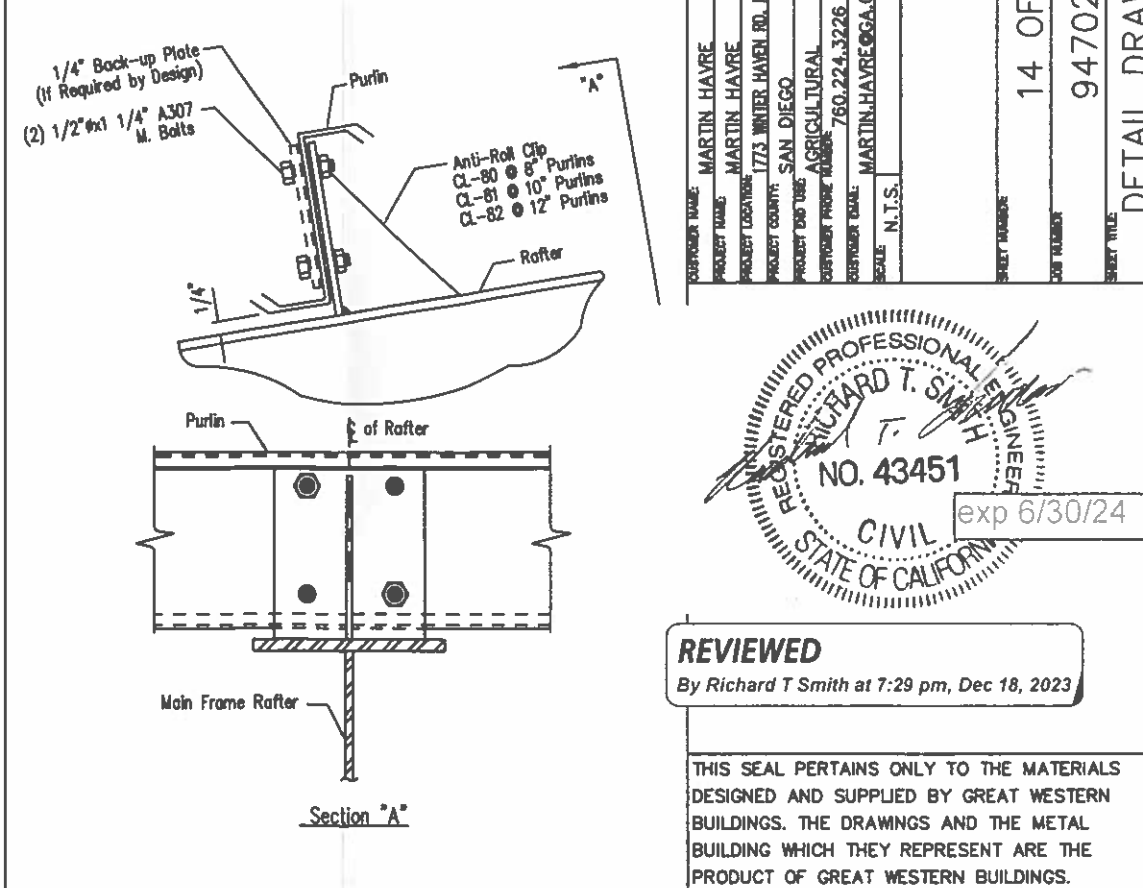
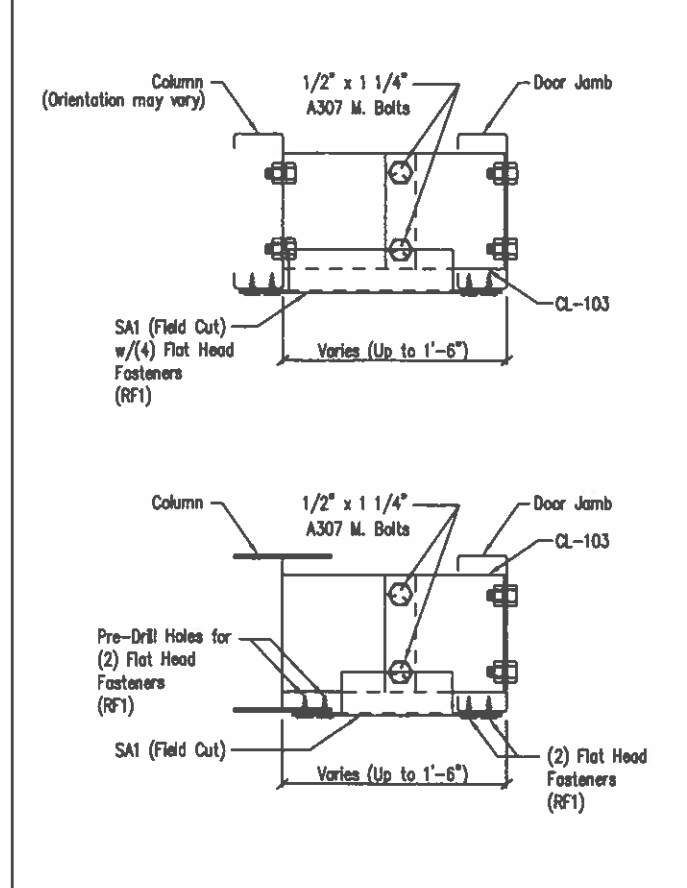
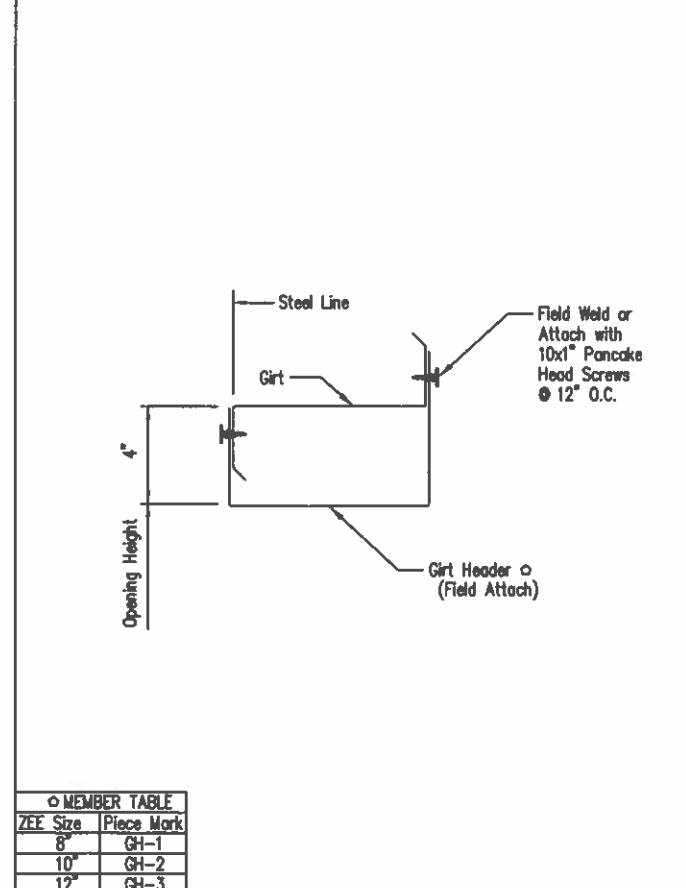
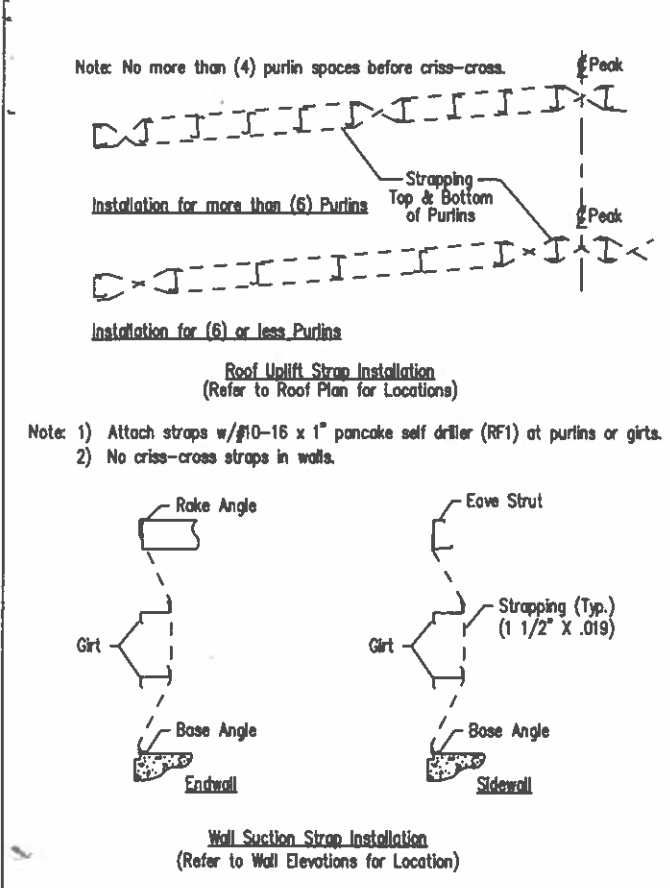


Girt to Jamb (Bolted Clips) SD87

Jamb to Girt SD93

Girt/Header to Jamb SD95

Overhead Door Torsion Bar Bearing Connection SD101



Roof Uplift and Wall Suction Strap Details SD102

Framed Opening w/ Girt Header SD104

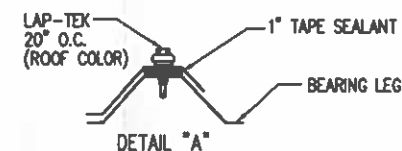
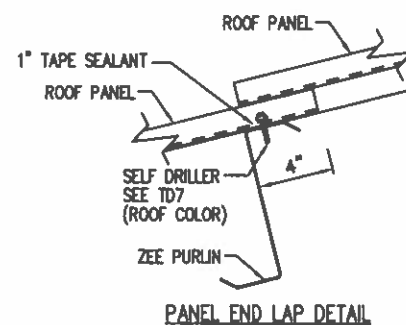
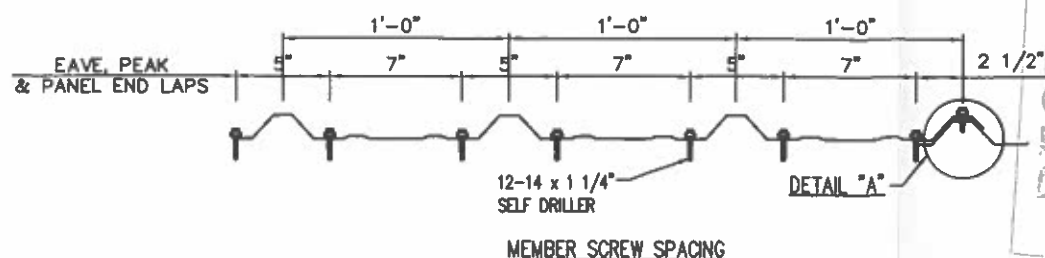
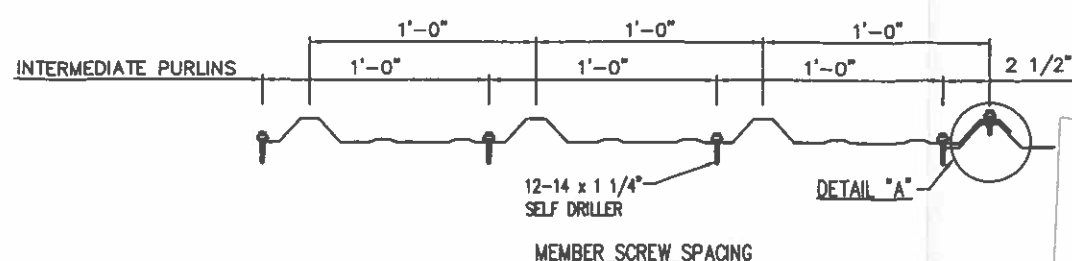
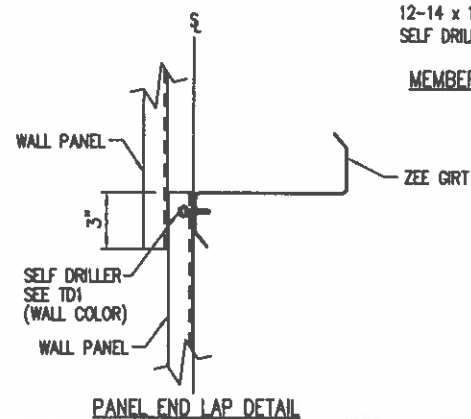
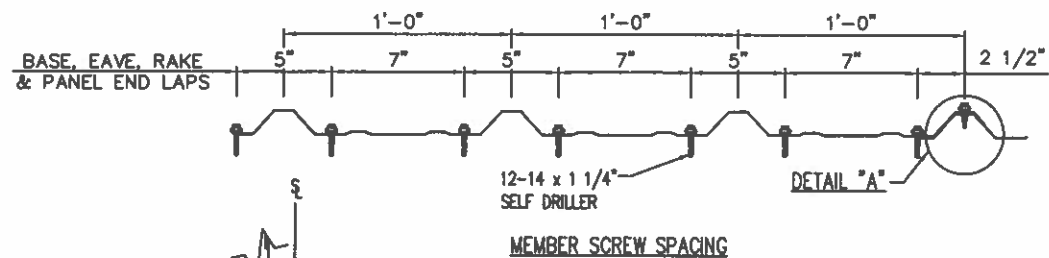
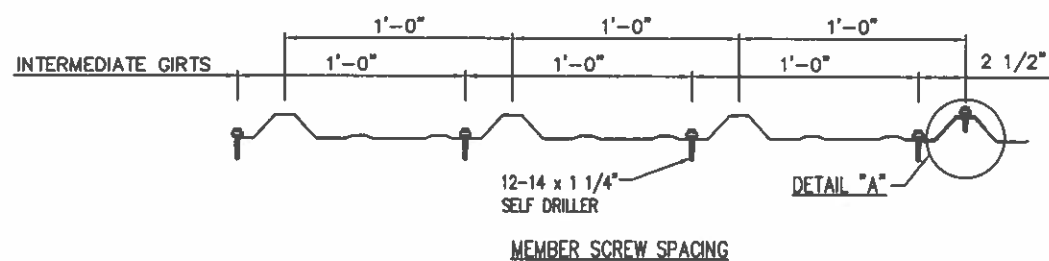
Column to Door Jamb Clip Attachment SD113

Purlin to Anti-Roll Clip Connection SD115

PROJECT NAME: MARTIN HAVRE  
PROJECT LOCATION: 1733 WINTER HAVEN RD., FALLBROOK, CA 92028  
PROJECT COUNTY: SAN DIEGO  
PRODUCT TAG CODE: AGRICULTURAL  
CUSTOMER PHONE NUMBER: 760.224.3226  
SCALE: N.T.S.  
SHEET NUMBER: 14 OF 16  
SHEET TITLE: 94702  
DETAIL DRAWINGS

**REVIEWED**  
By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

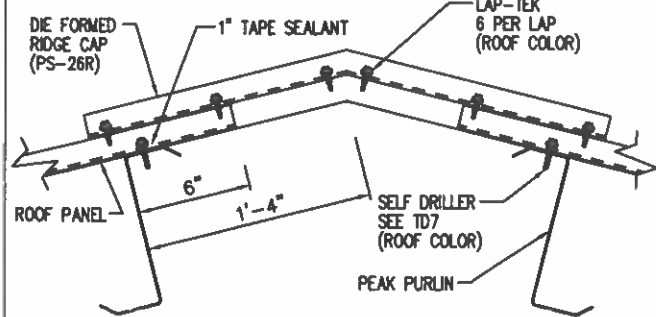


Fastener Location at Wall - PBR

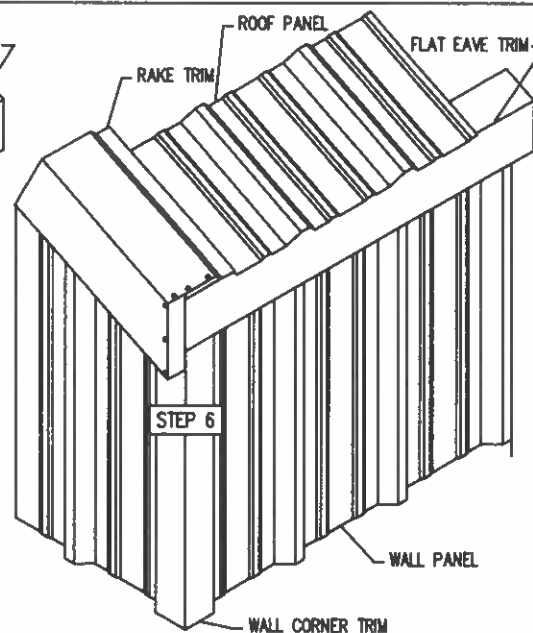
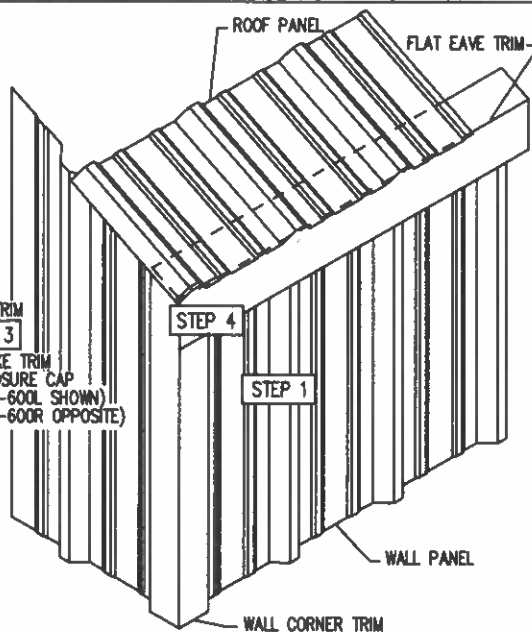
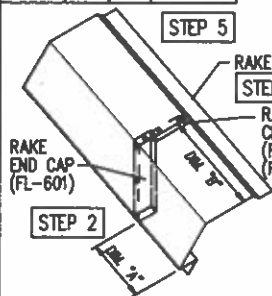
DRAWING NO.  
TD1

Fastener Location at Roof - PBR

DRAWING NO.  
TD7



Slope	Dim. "A"	Dim. "B"
1: 12	3/16"	3/4"
2: 12	3/8"	1 1/2"
3: 12	9/16"	2 1/4"
4: 12	3/4"	3"
5: 12	15/16"	3 3/4"
6: 12	1 1/8"	4 1/2"
7: 12	1 5/16"	5 1/4"
8: 12	1 1/2"	6"
9: 12	1 11/16"	6 3/4"
10: 12	1 7/8"	7 1/2"
11: 12	2 1/16"	8 1/4"
12: 12	2 1/4"	9"



- STEP 1** INSTALL FLAT EAVE TRIM IN BETWEEN THE ROOF PANEL AND LOW EAVE MEMBER. BE SURE THE END OF THE FLAT EAVE TRIM IS FLUSH WITH THE WALL CORNER TRIM.
- STEP 2** INSTALL RAKE END CAP (FL-601), INTO RAKE TRIM USING (5) POP RIVETS. USE CHART TO DETERMINE HOW FAR THE RAKE END CAP IS POSITIONED INTO THE RAKE TRIM. WITH DIM. "A" BEING THE BOTTOM FACE OF THE RAKE TRIM & DIM. "B" BEING THE TOP FACE OF THE RAKE TRIM.
- STEP 3** INSTALL RAKE TRIM CLOSURE CAP (FL-600L/R), FLUSH WITH THE RAKE END CAP USING (3) POP RIVETS.

- STEP 4** FIELD CUT/NOTCH THE END OF THE ROOF PANEL BACK 1". THIS IS TO ALLOW THE RAKE TRIM CLOSURE CAP FROM HITTING THE ROOF PANEL.
- STEP 5** INSTALL RAKE TRIM. BE SURE THE BOTTOM END OF THE RAKE TRIM, THAT ATTACHES TO THE HIGH RIBS OF THE WALL PANEL, IS FLUSH WITH THE WALL CORNER TRIM.
- STEP 6** FIELD CUT/NOTCH THE FACE OF THE RAKE TRIM TO BE FLUSH WITH THE WALL CORNER TRIM. BE SURE WHEN CUTTING/NOTCHING THE TOP OF THE RAKE TRIM, THAT SITS ON TOP OF THE ROOF PANEL, SHOULD BE LINED UP WITH THE END OF THE ROOF PANEL.

Die Formed Ridge Detail - PBR  
Up to a 4:12 Roof Slope

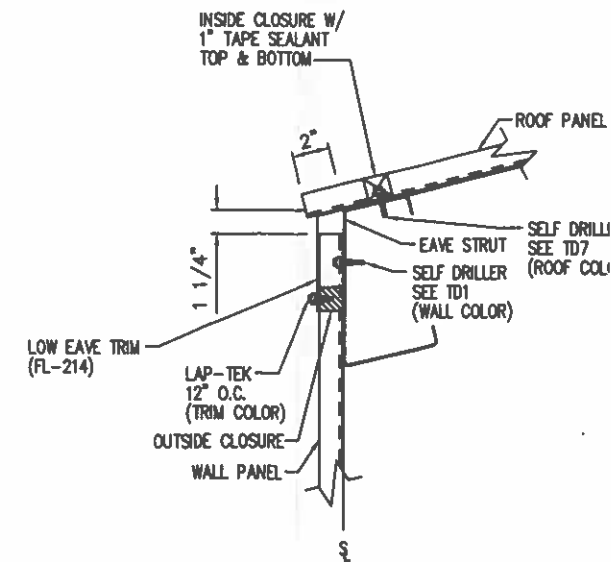
DRAWING NO.  
TD8

Flat Eave Corner Trim Installation - PBR

DRAWING NO.  
TD12

Low Eave Detail - PBR  
Simple Eave - Sheeted Wall

DRAWING NO.  
TD17



**REVIEWED**

By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS

**GWBB**  
3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM

MARTIN HAYRE  
MARTIN HAYRE  
1773 WINTER HAVEN RD, FALLBROOK, CA 92028  
SAN DIEGO  
AGRICULTURAL  
760.224.3226  
MARTIN.HAYRE@GCA.COM

15 OF 16

94702

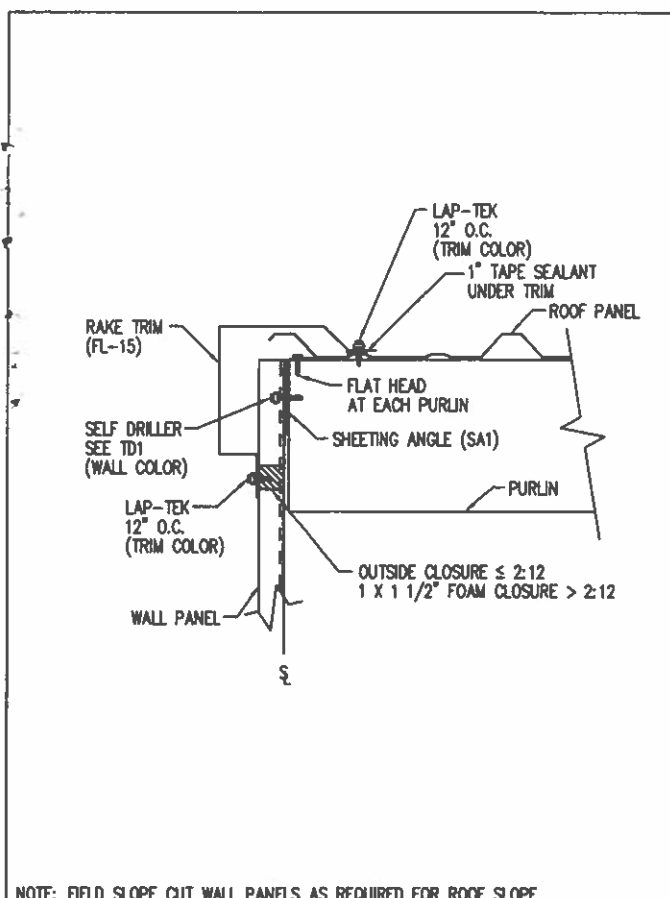
DETAIL DRAWINGS



RECEIVED

JUL 03 2024

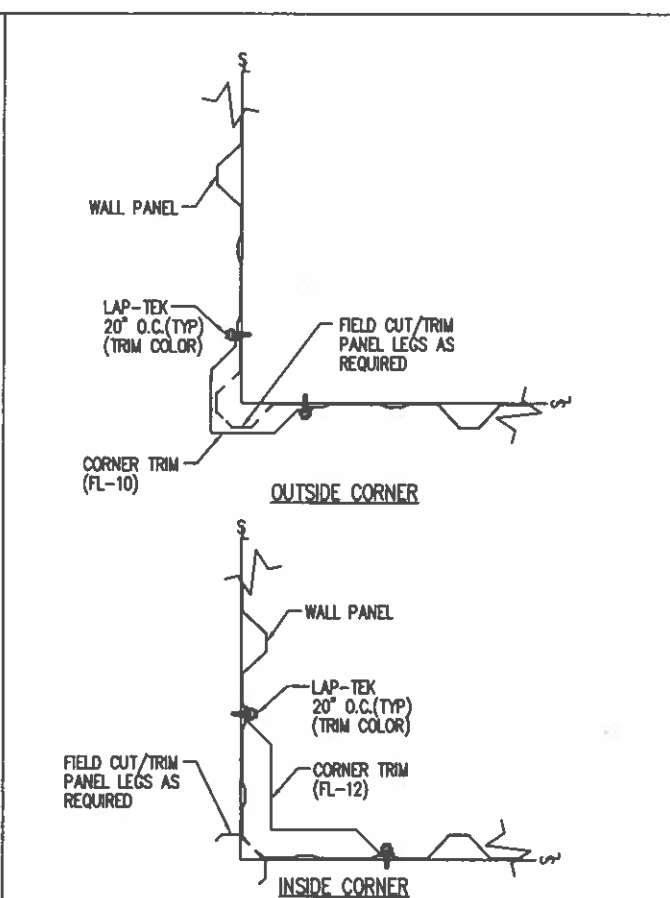
See 1 on 1 - e Services, Inc



NOTE: FIELD SLOPE CUT WALL PANELS AS REQUIRED FOR ROOF SLOPE

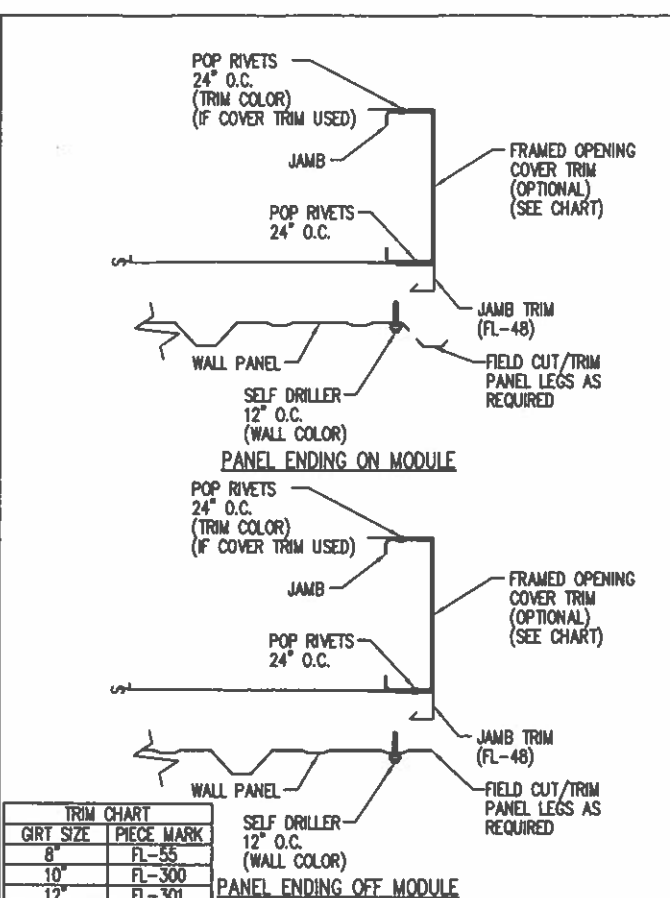
Rake Detail - PBR  
Box Rake - Sheeted Wall

DRAWING NO.  
TD36



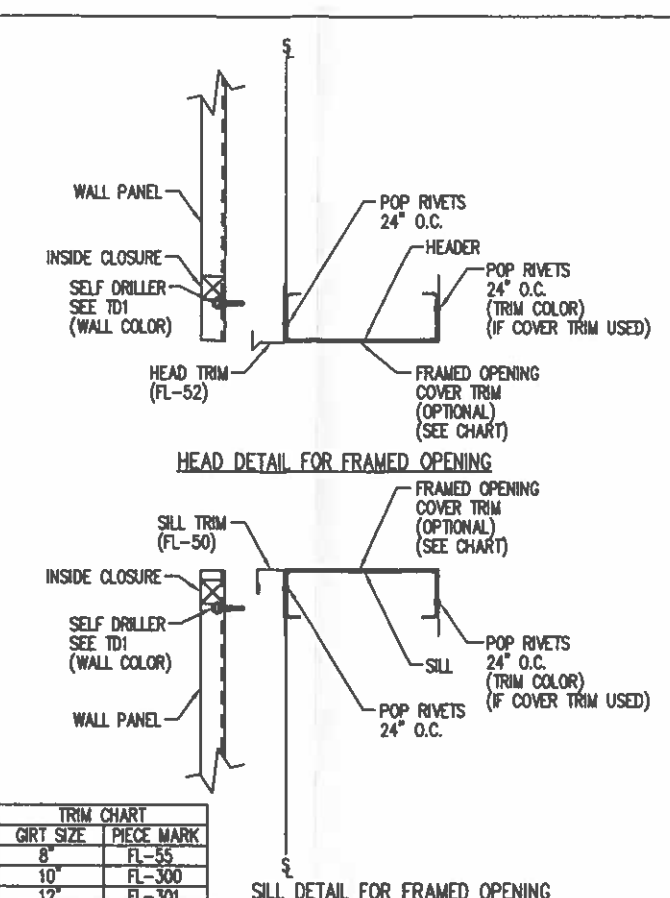
Section at Corner Detail - PBR

DRAWING NO.  
TD40



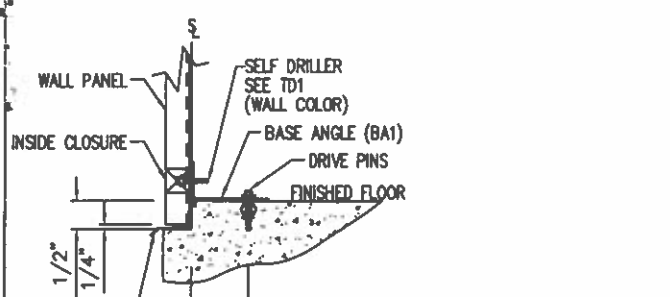
Framed Opening Jamb Detail - PBR

DRAWING NO.  
TD51

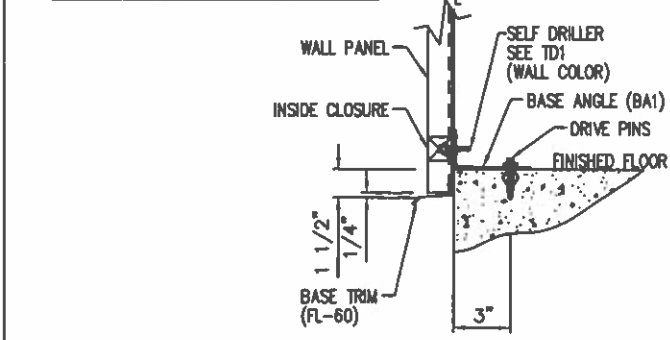


Framed Opening Head and Sill Details - PBR

DRAWING NO.  
TD52



BASE DETAIL WITH SHEETING NOTCH

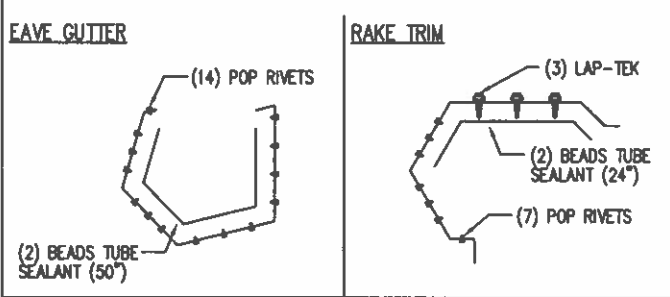


BASE DETAIL NO SHEETING NOTCH

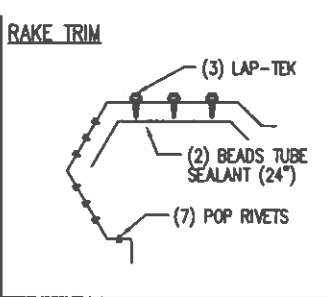
NOTE: IF INSULATION IS REQUIRED INSTALL TRIM FIRST.  
NOTE: A MINIMUM OF 1/4\"/>

Base Angle w/Trim Details

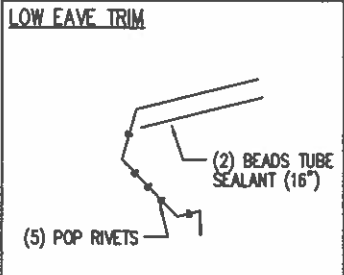
DRAWING NO.  
TD74



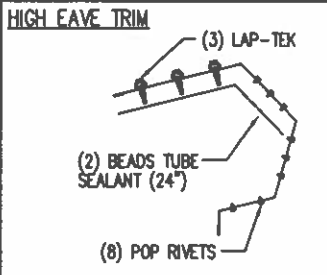
EAVE GUTTER



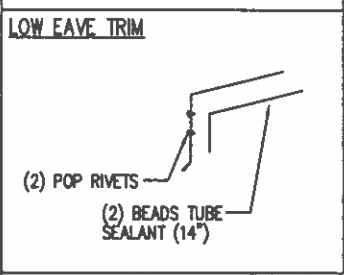
RAKE TRIM



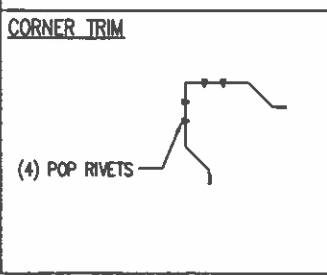
LOW EAVE TRIM



HIGH EAVE TRIM



LOW EAVE TRIM



CORNER TRIM

NOTE: TRIM PROFILES MAY VARY; 2\"/>

Trim Laps - PBR Sculptured

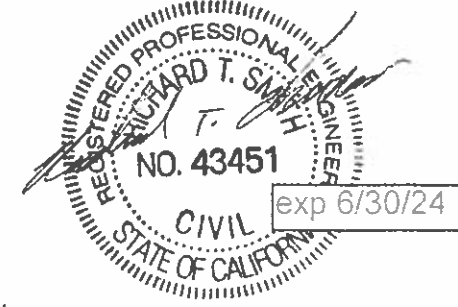
DRAWING NO.  
TD85

ENG.	CHK.	RTS	RTS
DATE	DWN.	MEZ	CAF
ISSUE	APPROVAL	PERMIT	

3033 S. PARKER RD 12 FLOOR  
AURORA, CO 80014  
PHONE: (800)-497-2135  
WWW.GREATWESTERNBUILDINGS.COM

OWNER NAME	MARTIN HAVRE
PROJECT NAME	MARTIN HAVRE
PROJECT LOCATION	1773 WINTER HAVEN RD, FALLBROOK, CA 92028
PROJECT COUNTY	SAN DIEGO
PROJECT EIR FILE	AGRICULTURAL
CUSTOMER PHONE NUMBER	760.224.3226
OWNER EMAIL	MARTIN.HAVRE@GGA.COM
SCALE	N.T.S.
SHEET NUMBER	16 OF 16
DRAWING NO.	94702
PROJECT TITLE	DETAIL DRAWINGS

REVIEWED  
JUL 03 2024  
True Systems, Inc. Services, Inc.



REVIEWED  
By Richard T Smith at 7:29 pm, Dec 18, 2023

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY GREAT WESTERN BUILDINGS. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF GREAT WESTERN BUILDINGS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL AND SIGNATURE APPEARS ON THESE DRAWINGS IS EMPLOYED BY GREAT WESTERN BUILDINGS AND DOES NOT SERVE AS OR REPRESENT THE OVERALL PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS

# FOUNDATION NOTES

## 1. Design Information and Loads

- A. Foundation design in accordance with 2022 California Building Code using the reactions provided by the metal building manufacturer for the following design criteria.
- B. Roof Live Load ..... 20 psf
- C. Frame Live Load ..... 20 psf
- D. Roof Collateral Load ..... 5 psf
- E. Wind Speed ..... 115 mph
- F. Exposure ..... C
- G. S<sub>g</sub> ..... 0.944
- H. SDC ..... D
- I. Frost Depth ..... N.A.

## 2. Earthwork

- A. Foundation Design Values (assumed)
  - i. Allowable Soil Bearing Pressure - 1500 psf
  - ii. Coefficient of Friction - 0.25
  - iii. Passive Earth Pressure - 200 psf/ft of depth
- B. The building pad area shall be stripped of all frozen soil, debris, vegetation, and topsoil. All fill soils and any remaining loose natural soils shall be excavated to expose suitable natural soils.
- C. Proof roll the entire building pad area to locate and remove all soft spots. Replace with compacted structural fill.
- D. Place all footings and slabs on undisturbed natural soil or on properly compacted structural fill. Contractor shall verify that soil under footings is suitable to support footings.
- E. Structural Fill: Structural fill should consist of well-graded sandy gravels with a maximum particle size of 3 inches and 5 to 15 percent fines (materials passing the No. 200 sieve). The liquid limit of fines should not exceed 35 and the plasticity index should be below 15. All fill soils should be free from topsoils, highly organic material, frozen soil, and other deleterious materials. Structural fill should be placed in maximum 6-inch thick loose lifts of a moisture content within 2 percent of optimum and compacted to at least 95 percent of modified proctor density (ASTM D1557) under the building and 90 percent under concrete flatwork.
- F. It is the responsibility of the contractor to ensure that the depth of the bottom of the foundation is far enough below the adjacent grade to ensure adequate frost protection.

## 3. Concrete and Reinforcement

- A. Material Standards
  - i. Concrete
    - a. Footings: Exposure Classes F0, S0, W0, C0  
f<sub>c</sub> = 3000 p.s.i., max. w/cm ratio = 0.55
    - b. Exterior Walls: Exposure Classes F1, S0, W0, C1  
f<sub>c</sub> = 3500 p.s.i., max. w/cm ratio = 0.55
    - c. Interior Walls: Exposure Classes F0, S0, W0, C0  
f<sub>c</sub> = 3000 p.s.i., max. w/cm ratio = N.A.
    - d. Interior Slabs: Exposure Classes F0, S0, W0, C0  
f<sub>c</sub> = 3500 p.s.i., max. w/cm ratio = 0.55
    - e. Air content for Exposures F1-F3 must meet the requirements of Table 19.3.3.1 of ACI 318-14. Air-entraining admixtures shall conform to ASTM C260.
    - f. Use Type II cement for Exposure Class S0. For Exposure Classes S1, S2 and S3 use Type III or Type V as required in Table 19.3.2.1 of ACI 318-14. Cement shall conform to ASTM C150.
    - g. Calcium Chloride admixture shall not be used in Exposures S2 and S3.
    - h. Normal weight aggregates - ASTM C33.
  - ii. Reinforcing
    - a. Rebar - ASTM A615 Grade 60 (F<sub>y</sub> = 60 ksi)
    - b. Welded wire - ASTM A1064
    - c. Epoxy/Adhesive - Simpson SET-XP (ICC-ES ESR-2508), Hilti RE-500V3 (ICC-ES ELC-3814), or Dewart Pure110+ (ICC-ES ESR-3298) unless noted otherwise in the drawings.
  - iii. Anchor Rods/Bolts
    - a. All anchor rods shall be cast-in-place headed anchor rods. Use of post-installed (epoxy, adhesive, expansion, screw, etc.) anchors is not allowed without written permission from MVE, or unless specifically noted in the drawings.
    - b. Steel column anchor rods/bolts - ASTM F1554 Grade 36 with ASTM A563 heavy hex nuts and hardened washers (unless noted otherwise).
    - c. Wood framing anchors - ASTM A307 with A36 plate washers
    - d. Headed stud anchors (HSA) - ASTM A108
    - e. Deformed bar anchors (DBA) - ASTM A498
    - f. Screw Anchors for jacks as indicated in the typical anchor rod schedule - Simpson Titen HD (ICC-ES ESR-2713), Hilti Kwik HUS-TZ (ICC-ES ESR-3027), or Dewart Screwbolt (ICC-ES ESR-2526).
    - g. Use of hooked anchor rods/bolts is limited under the ACI and the CBC. Headed anchor rods/bolts must be used where indicated in the details.
    - h. The symbols  $\bar{C}$  A.R./ $\bar{C}$  AB as shown in the drawings indicate the center line of the anchor rod/bolt pattern, not the center line of any individual anchor rod/bolt.

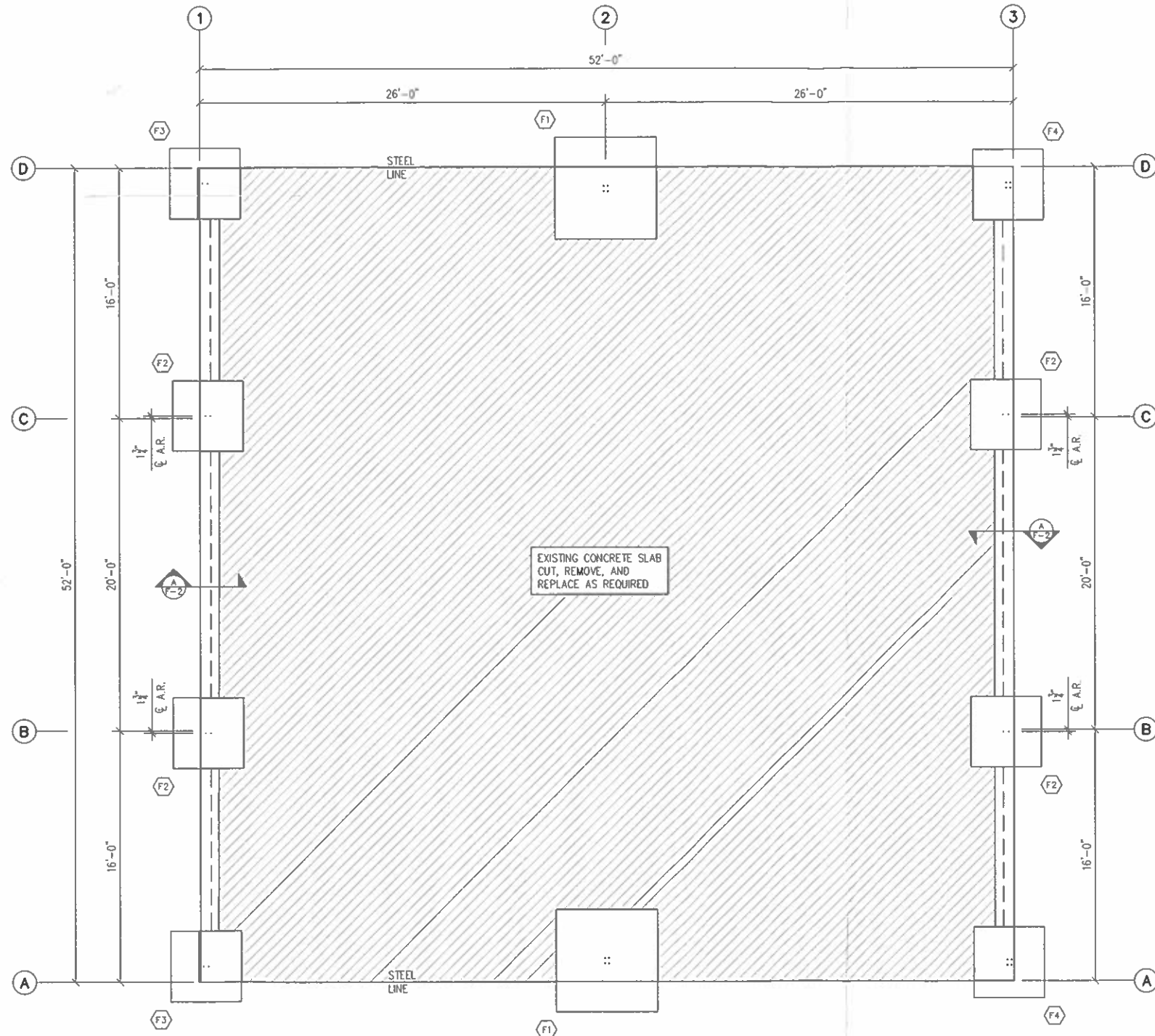
- B. Detail reinforcing to comply with ACI 315 "Manual of Standard Practice for Detailing Reinforcing Concrete Structures" and the Concrete Reinforcing Steel Institute (CRSI) recommendations.
  - i. Minimum clear concrete cover for reinforcement shall be as follows unless noted otherwise:
    - a. Concrete cast directly against and permanently exposed to earth - 3"
    - b. Concrete exposed to weather or earth
      - 1. #5 bars or smaller - 1 1/2"
      - 2. #6 bars or larger - 2"
    - c. Concrete not exposed to weather or in contact with the ground - 2"
    - d. Slabs on grade - as shown in details, 1/2" min. from top of slabs not exposed to weather
  - ii. Lap Splice Lengths with 1/2" minimum clear cover
    - a. f<sub>c</sub> = 2500-3500 p.s.i.
      - 1. #6 and smaller - 49 bar diameters
      - 2. #7 and larger - 76 bar diameters
    - b. f<sub>c</sub> = 4000 p.s.i. or greater
      - 1. #6 and smaller - 38 bar diameters
      - 2. #7 and larger - 60 bar diameters
    - c. Increase lap splice lengths by 50% where epoxy coated bars are used.
  - iii. Stagger splices in walls so that no two adjacent bars are spliced in the same location, unless shown otherwise.
  - iv. Make all bars continuous around corners or provide corner bars of equal size and spacing.
  - v. Where 12 inches or less of fresh concrete is placed below horizontal reinforcing lap splice length may be reduced by 30%.
  - vi. Vertical bars in walls, grade beams, and piers to terminate in footings with ACI standard hooks (12 bar diameters) to within 4" of the bottom of the footing unless noted otherwise.
  - vii. Horizontal wall reinforcing shall terminate at the ends of walls with a 90 degree hook plus a 6 bar diameter extension, unless shown otherwise.
  - viii. Horizontal wall reinforcing shall be continuous through construction and control joints.
  - ix. Splices in horizontal reinforcement shall be staggered. Splices in two curtains (where used) shall not occur in the same location.
  - x. Use chairs or other support devices as required for proper clearance.
  - xi. Rebar hairpins shall be centered in slabs and shall be wire tied to the slab reinforcing (if any). Rebar hairpins shall be continuous through walls and piers; lap splices in hairpins may only occur in the floor slab unless noted otherwise.
- C. Slabs and grade beams shall not have joints in a horizontal plane. All reinforcement shall be continuous through all construction joints.
- D. Floor slab thickness and reinforcing shown in these drawings are adequate to support typical uniform loads only. Mountain View Engineering has not designed the slab for any specific concentrated forces such as those from vehicles, storage racks, or heavy equipment (unless noted otherwise).
- E. Welding of rebar is not allowed unless specifically indicated in the drawings. All embedments, reinforcing, and dowels shall be securely tied to framework or to adjacent reinforcing prior to placement of the concrete. Tack welding of rebar joints in grade beams, walls, or cages is not allowed. Where welding of rebar is shown in the drawings, all rebar to be welded shall be ASTM A706 Grade 60.

## 4. Special Inspections

- A. Concrete
  - i. Spot Footings - Not required (CBC 1705.3 Exception 1)
  - ii. Continuous Figs. - Not required (CBC 1705.3 Exception 2.3)
  - iii. Slabs - Not required (CBC 1705.3 Exception 3)
  - iv. Grade Beams - Not required (CBC 1705.3 Exception 4)
  - v. Walls - Not required (CBC 1705.3 Exception 4)
  - vi. Anchor rods/bolts - Required (CBC Table 1705.3) Special inspection may be waived subject to the approval of the building official.
- B. Steel Reinforcement
  - i. Placement - Third party special inspection of reinforcing placement need only be performed where specifically required by the building official.
  - ii. Welding - Special inspection of rebar welding is required (if any is used).

## 5. Miscellaneous

- A. The contractor shall notify engineer of any variations in dimensions.
- B. The engineer is not responsible for any deviations from these plans unless such changes are authorized in writing by the engineer.



DIA.	EMBED
1/2"	10"
3/8"	12"
1/2"	14"
3/4"	18"
1"	22"
1 1/8"	24"
1 1/4"	24"

\*AT OPENING JAMBS, 1/2"x4" OR 3/4"x4" SCREW ANCHORS MAY BE USED IN LIEU OF CAST-IN-PLACE ANCHORS. OPENING JAMB ANCHORS ARE NOT SHOWN ON THIS DRAWING. SEE METAL BUILDING ANCHOR PLAN.

NOTE: VERIFY ALL DOOR SIZES AND LOCATIONS WITH GREAT WESTERN BUILDINGS PRIOR TO CONSTRUCTION.

F1 INDICATES APPLICABLE FOOTING DETAIL.

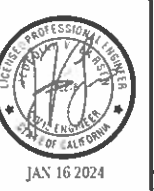
FOUNDATION PLAN  
SCALE: 1/4"=1'-0"

NOTE: COORDINATE THIS DRAWING WITH THE GREAT WESTERN BUILDINGS ANCHOR BOLT PLAN.

**MOUNTAIN VIEW ENGINEERING, INC.**  
 Consulting  
 Structural Engineering  
 345 North Main Street Ste. A, Brigham City, Utah 84302 (435) 734-9700 Fax (435) 734-9919

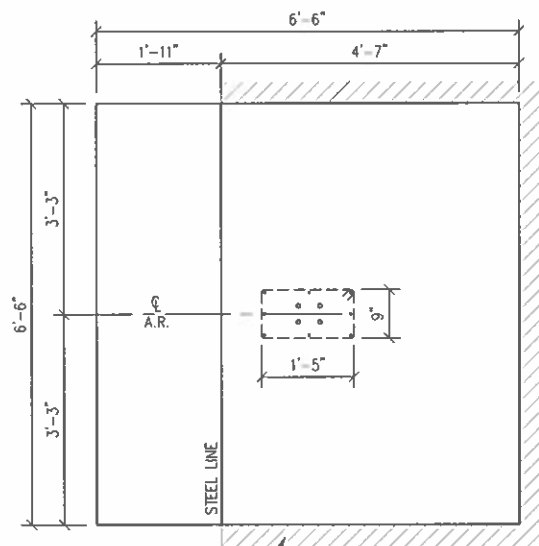
SHEET TITLE: **FOUNDATION PLAN**  
 JOB NAME: **MARTIN HAYRE**  
 LOCATION: **FALLBROOK, CALIFORNIA**  
 CONTRACTOR: -

DATE	DESCRIPTION
1-16-24	E.H. FOR PERMIT



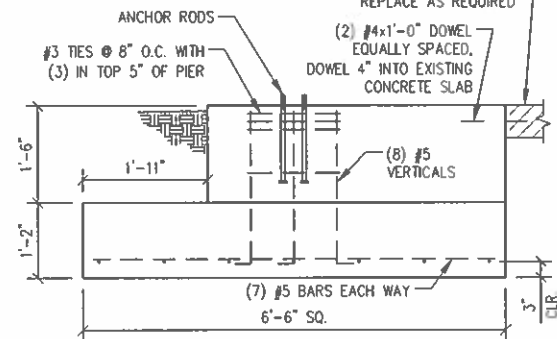
SHEET NUMBER:  
**F-1**

DRAWN BY: E.H.  
 ENGINEER: J. LARSEN  
 MVE JOB NUMBER: **24-0048**

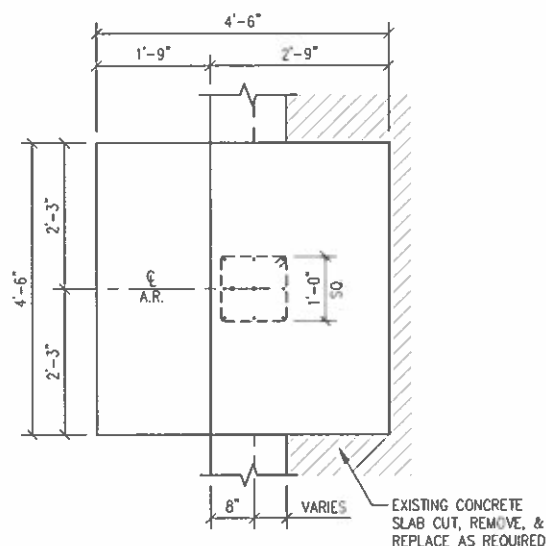


EXISTING CONCRETE SLAB CUT, REMOVE, & REPLACE AS REQUIRED

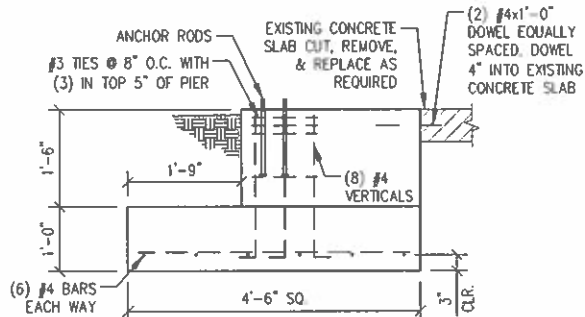
EXISTING CONCRETE SLAB CUT, REMOVE, & REPLACE AS REQUIRED



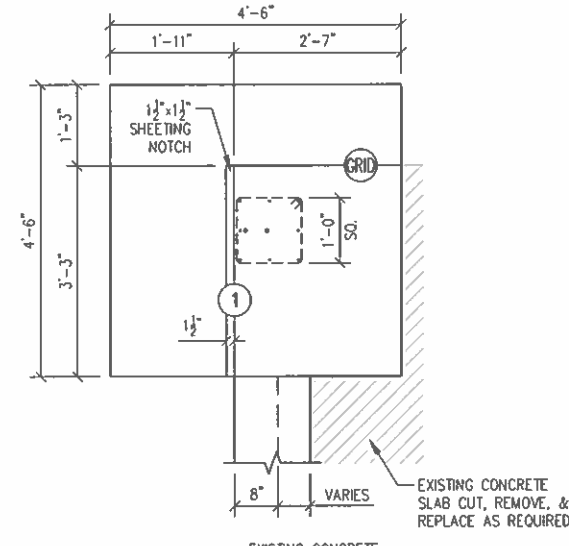
**F1** SIDEWALL FOOTING DETAIL  
3/4"=1'-0"



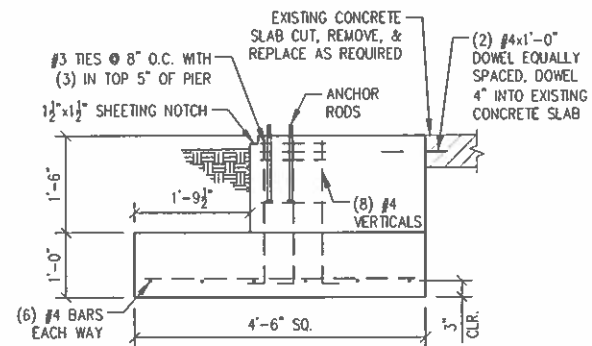
EXISTING CONCRETE SLAB CUT, REMOVE, & REPLACE AS REQUIRED



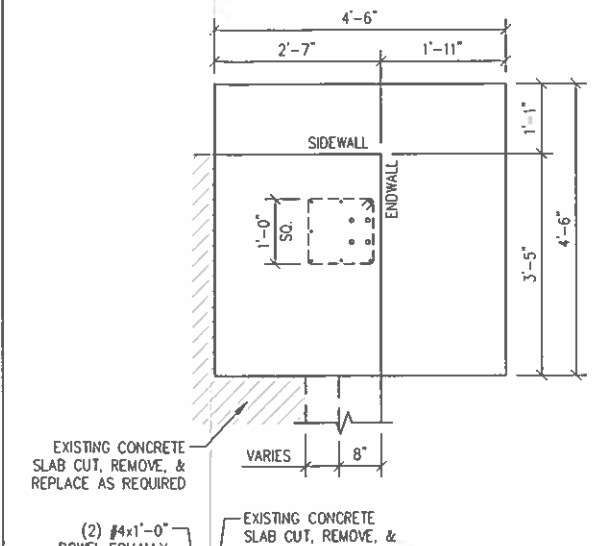
**F2** ENDWALL FOOTING DETAIL  
3/4"=1'-0"



EXISTING CONCRETE SLAB CUT, REMOVE, & REPLACE AS REQUIRED

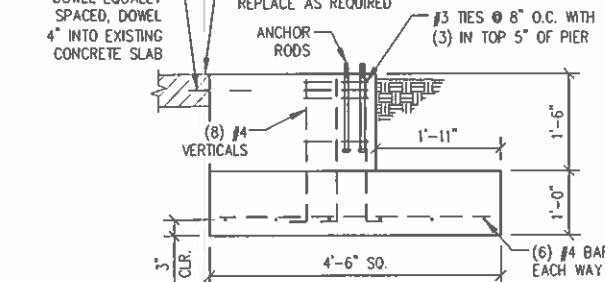


**F3** CORNER FOOTING DETAIL  
3/4"=1'-0"

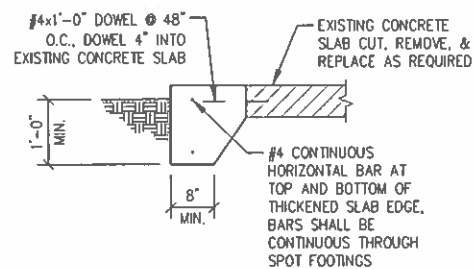


EXISTING CONCRETE SLAB CUT, REMOVE, & REPLACE AS REQUIRED

EXISTING CONCRETE SLAB CUT, REMOVE, & REPLACE AS REQUIRED



**F4** CORNER FOOTING DETAIL  
3/4"=1'-0"



**A** THICKENED SLAB EDGE DETAIL  
3/4"=1'-0"



**MOUNTAIN VIEW ENGINEERING, INC.**

Structural Engineering Consulting  
345 North Main Street Ste. A, Brigham City, Utah 84302 (435) 734-9700 Fax (435) 734-9519

SHEET TITLE: FOUNDATION DETAILS

JOB NAME: MARTIN HAYRE

LOCATION: FALLBROOK, CALIFORNIA

CONTRACTOR:

PLAN ISSUE DATES

DATE	BY	DESCRIPTION
1-16-24	E.H.	FOR PERMIT



JAN 16 2024

SHEET NUMBER:

**F-2**

DRAWN BY: E.H.  
ENGINEER: J. LARSEN  
SHEET NUMBER: 24-0048