BUILDING PROFILE

Width (ft)	= 120	Eave Height (ft)	= 26
Length (ft)	= 75	Roof Slope (Rise/12)	= 1.0:12

BUILDING LOADS

A) THIS IS TO CERTIFY THAT THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY NCBC 18 / IBC 15

B) THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY THE BUILDING MANUFACTURER AND AS SPECIFIED IN THE CONTRACT. ACCESSORY ITEMS SUCH AS DOORS, WINDOWS, LOUVERS, TRANSLUCENT PANELS, VENTILATORS ARE NOT INCLUDED. ALSO EXCLUDED ARE OTHER PARTS OF THE PROJECT NOT PROVIDED BY THE BUILDING MANUFACTURER SUCH AS FOUNDATIONS, MASONRY WALLS, MECHANICAL EQUIPMENT AND THE ERECTION AND INSPECTION OF THE BUILDING. THE BUILDING SHOULD BE ERECTED ON A PROPERLY DESIGNED FOUNDATION IN ACCORDANCE WITH THE BUILDING MANUFACTURER'S DESIGN MANUAL, THE ATTACHED DRAWINGS, AND GOOD ERECTION PRACTICES. THE END USER AND/OR ENGINEER OF RECORD IS TO CONFIRM THAT THESE LOADS COMPLY WITH REQUIREMENTS OF THE LOCAL BUILDING DEPT.

OCCUPANCY/RISK CATEGORY: II – Normal Is 1.0000 Ie 1.00

WIND LOAD ULTIMATE 120 MPH NOMINAL 92.95 MPH WIND EXPOSURE C

CLOSURE TYPE: Enclosed INTERNAL WIND COEF. –0.18 / 0.18

GROUND SNOW LOAD: 10.00 PSF ROOF SNOW LOAD 7 PSF Ce 1.0000 Ct 1.00

SNOW BANKING LOADS: PER CODE

COLLATERAL DEAD LOAD: 3 PSF

ROOF LIVE LOAD: 20.00 PSF (REDUCIBLE Yes)

DEAD LOAD: 2.000 PSF (FOR ROOF PANELS AND PURLINS)

SEISMIC

SPECTRAL RESPONSE Ss 0.1860 S1 0.0860 Sds 0.1984 Sd1 0.1376

SITE CLASS D DESIGN RISK CATEGORY C Cs 0.0662

RESPONSE MODIFICATION FACTOR, R 3.000* FRAMES 3.000* BRACING

BASIC SEISMIC FORCE RESISTING SYSTEM (LATERAL DIRECTIONS) = ORDINARY STEEL MOMENT FRAMES

BASIC SEISMIC FORCE RESISTING SYSTEM (REW) = ORDINARY STEEL CONCENTRICALLY BRACED FRAMES

BASIC SEISMIC FORCE RESISTING SYSTEM (LEW) = ORDINARY STEEL MOMENT FRAMES

BASIC SEISMIC FORCE RESISTING SYSTEM (LONGITUDINAL DIRECTIONS) = ORDINARY STEEL CONC. BRACED FRAMES

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

SERVICEABILITY CRITERIA

* STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.

MINIMUM DESIGN DEFLECTIONS

Endwall Column	= 120	Roof Panel (Live)	= 60
Endwall Rafter (Live)	= 180	Roof Panel (Wind)	= 60
Endwall Rafter (Wind)	= 180	Rigid Frame (Horz)	= 60
Wall Girt	= 90	Rigid Frame (Vert)	= 180
Roof Purlin (Live)	= 150	Rigid Frame (Seismic)	= 50
Roof Purlin (Wind)	= 150		
Wall Panel	= 60		

GENERAL NOTES

A) THE STRUCTURE UNDER THIS CONTRACT HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS STIPULATED IN THE CONTRACT AND SHOWN ON THESE DRAWINGS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS, OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE ADVICE AND DIRECTION OF A REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER. THE BUILDING MANUFACTURER WILL ASSUME NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.

B) THIS METAL BUILDING IS DESIGNED WITH THE BUILDING MANUFACTURER'S STANDARD PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES.

1. AMERICAN INSTITUTE OF STEEL CONSTRUCTION: " AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS–ALLOWABLE STRESS DESIGN"
2. AMERICAN IRON AND STEEL INSTITUTE: "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
3. AMERICAN WELDING SOCIETY: "STRUCTURAL WELDING CODE" AWS D1.1.
4. METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL"

C) 1) MATERIAL PROPERTIES OF STEEL PLATE USED IN THE FABRICATION OF PRIMARY RIGID FRAMES, AND OTHER PRIMARY STRUCTURAL EXCLUSIVE OF COLD–FORMED SECTIONS, CONFORM TO ASTM–A529 OR A572 . FLANGES WITH THICKNESS OF ONE INCH OR LESS AND WIDTH OF 12" OR LESS CONFORM TO A529 WITH A MINIMUM YIELD POINT OF 55,000 psi. FLANGES GREATER THAN 1" IN THICKNESS OR 12" IN WIDTH CONFORM TO A572 WITH A MINIMUM YIELD POINT OF 50,000 psi. WEB MATERIAL CONFORMS TO ASTM–A529 WITH A MINIMUM YIELD POINT OF 55,000 psi.
2) MATERIAL PROPERTIES OF PIPE SECTIONS CONFORM TO ASTM–A500, GRADE B WITH A MINIMUM YIELD POINT OF 42,000 psi.
3) MATERIAL PROPERTIES OF TUBE SECTIONS CONFORM TO ASTM–A500, GRADE B WITH A MINIMUM YIELD POINT OF 46,000 psi.
4) MATERIAL PROPERTIES OF HOT ROLLED CHANNEL AND ANGLE MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM–A529 WITHMINIMUM YIELD POINT OF 50,000 PSI. HOT ROLLED W–SHAPED MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM–A992WITH MINIMUM YIELD POINT OF 50,000 PSI.
5) MATERIAL PROPERTIES OF COLD FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO EITHER ASTM A653–06 GR 55 OR A1011–04 HSLAS GRADE 55 WITH YIELD OF 55,000 psi.
6) MATERIAL PROPERTIES OF ROOF/WALL SHEETING, BASE METAL CONFORM TO ASTM–A792 GRADES 80 CLASS 1, 2 OR 3 WITH A MINIMUM YIELD STRENGTH OF 80,000 PSI. COATING OF BASE MATERIAL IS 55% ALUMINUM–ZINC ALLOY IN ACCORDANCE WITH AZ55 SPECIFICATIONS.
7) CABLE UTILIZED FOR BRACING CONFORMS TO ASTM A475. CABLE BRACING IS TO BE INSTALLED TO A TAUT CONDITION.
8) ROD UTILIZED FOR BRACING MEMBERS CONFORM TO ASTM–A36 WITH MINIMUM YIELD POINT OF 36,000 PSI.
9) IT IS THE RESPONSIBILITY OF ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE "RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A–325 OR A–490 BOLTS". ALL A–325 BOLTS IN PRIMARY FRAMING MUST BE "SNUG–TIGHT", EXCEPT AS FOLLOWS:
"FULLY–PRETENSION" A–325 BOLTS IF:
a) BUILDING LOCATED IN A HIGH SEISMIC AREA. FOR IBC–BASED CODE, "HIGH SEISMIC AREA" IS DEFINED AS "SEISMIC DESIGN CATEGORY" OF "D", "E" OR "F".
b) BUILDING SUPPORTS A CRANE SYSTEM WITH A CAPACITY GREATER THAN 5.00 TONS.
c) BUILDING SUPPORTS MACHINERY THAT CREATES VIBRATION, IMPACT OR STRESS – REVERSALS ON THE CONNECTIONS.
d) ANY CONNECTION DESIGNATED IN THESE DRAWINGS AS "A–325 – SC".
10) SECONDARY MEMBERS AND FLANGE BRACE CONNECTIONS SHALL ALWAYS BE SNUG TIGHT, UNO.
11) ANCHOR BOLTS 3/4" IN DIAMETER THRU 1 1/4" IN DIAMETER CONFORM TO A.S.T.M. F1554 GR. 36. ANCHOR BOLTS 1/2" IN DIAMETER CONFORM TO A.S.T.M. A–307.

D) UNLESS NOTED OTHERWISE ON FRAMING COLOR CHART: ALL STEEL MEMBERS EXCEPT BOLTS, FASTENERS, CABLE AND RODS SHALL RECEIVE ONE COAT OF STANDARD RED OXIDE SHOP PRIMER.

E) SHOP AND FIELD INSPECTIONS AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS STIPULATED OTHERWISE IN THE CONTRACT.

APPROVAL NOTES

THE FOLLOWING CONDITIONS APPLY IN THE EVENT THAT THESE DRAWINGS ARE USED AS APPROVAL DRAWINGS:

A) IT IS IMPERATIVE THAT ANY CHANGES TO THESE DRAWINGS:
1) BE MADE IN CONTRASTING INK.
2) HAVE ALL INSTANCES OF CHANGE CLEARLY INDICATED.
3) BE LEGIBLE AND UNAMBIGUOUS.

B) DATED SIGNATURE IS REQUIRED ON ALL PAGES.

C) MANUFACTURER RESERVES THE RIGHT TO RESUBMIT DRAWINGS WITH EXTENSIVE OR COMPLEX CHANGES REQUIRED TO AVOID MISFABRICATION. THIS MAY IMPACT THE DELIVERY SCHEDULE.

D) APPROVAL OF THESE DRAWINGS INDICATES CONCLUSIVELY THAT THE MANUFACTURER HAS CORRECTLY INTERPRETED THE CONTRACT REQUIREMENTS, AND FURTHER CONSTITUTES AGREEMENT THAT THE BUILDING AS DRAWN, OR AS DRAWN WITH INDICATED CHANGES REPRESENTS THE TOTAL OF THE MATERIALS TO BE SUPPLIED BY MANUFACTURER.

E) ANY CHANGES NOTED ON THE DRAWINGS NOT IN CONFORMANCE WITH THE TERMS AND REQUIREMENTS OF THE CONTRACT BETWEEN MANUFACTURER AND ITS CUSTOMER ARE NOT BINDING ON MANUFACTURER UNLESS SUBSEQUENTLY SPECIFICALLY ACKNOWLEDGED AND AGREED TO IN WRITING BY CHANGE ORDER OR SEPARATE DOCUMENTATION. MANUFACTURER RECOGNIZES THAT RUBBER STAMPS ARE ROUTINELY USED FOR INDICATING APPROVAL, DISAPPROVAL, REJECTION, OR MERE REVIEW OF THE DRAWINGS SUBMITTED. HOWEVER, MANUFACTURER DOES NOT ACCEPT CHANGES OR ADDITIONS TO CONTRACTUAL TERMS AND CONDITIONS THAT MAY APPEAR WITH USE OF A STAMP OR SIMILAR INDICATION OF APPROVAL, DISAPPROVAL, ETC. SUCH LANGUAGE APPLIED TO MANUFACTURER'S DRAWINGS BY THE CUSTOMER, ARCHITECT, ENGINEER, OR ANY OTHER PARTY WILL BE CONSIDERED AS UNACCEPTABLE ALTERATIONS TO THESE DRAWING NOTES, AND WILL NOT ALTER THE CONTRACTUAL RIGHTS AND OBLIGATIONS EXISTING BETWEEN MANUFACTURER AND ITS CUSTOMER.

SAFETY COMMITMENT

A) THE BUILDING MANUFACTURER 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 THE BUILDING MANUFACTURER.

B) IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE.

C) LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKER SAFETY.

D) MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING. EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES.

E) 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.

ERECTOR / CONTRACTOR RESPONSIBILITIES

A) IT IS THE RESPONSIBILITY OF THE ERECTOR/CONTRACTOR TO INSURE THAT ALL PROJECT PLANS AND SPECIFICATIONS 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 THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT.

B) THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED.

C) APPROVAL OF THE MANUFACTURER'S DRAWINGS AND CALCULATIONS INDICATE THAT THE BUILDING MANUFACTURER CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS. (SECT. 4.4.1 AISC CODE OF STANDARD PRACTICES, LATEST ED.)

D) WHERE DISCREPANCIES EXIST BETWEEN THE MANUFACTURER'S STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3 AISC CODE OF STANDARD PRACTICE LATEST ED.)

E) DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY THE BUILDING MANUFACTURER ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN THE BUILDING MANUFACTURER'S ENGINEERS UNLESS SPECIFICALLY INDICATED.

F) THE ERECTOR/CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK IN COMPLIANCE WITH THE BUILDING MANUFACTURER'S "FOR CONSTRUCTION" DRAWINGS.

G) PRODUCTS SHIPPED TO ERECTOR/CONTRACTOR OR HIS CUSTOMER SHALL BE INSPECTED BY ERECTOR/CONTRACTOR IMMEDIATELY UPON ARRIVAL. CLAIMS FOR SHORTAGES OR DEFECTIVE MATERIAL IF NOT PACKAGED MUST BE SENT TO THE MANUFACTURER IN WRITING WITHIN FIVE (5) DAYS AFTER RECEIPT OF THE SHIPMENT. HOWEVER, IF A DEFECT IS OF SUCH A NATURE THAT REASONABLE VISUAL INSPECTION WOULD FAIL TO DISCLOSE IT, THEN THE CLAIM MUST BE MADE WITHIN FIVE (5) DAYS AFTER THE ERECTOR/CONTRACTOR LEARNS OF THE DEFECT. THE MANUFACTURER WILL NOT BE LIABLE FOR ANY DEFECT UNLESS CLAIM IS MADE WITHIN ONE (1) YEAR AFTER DATE OF THE ORIGINAL SHIPMENT BY THE MANUFACTURER TO CONTRACTOR OR HIS CUSTOMER. THE MANUFACTURER WILL BE GIVEN A REASONABLE OPPORTUNITY TO INSPECT DEFECTIVE MATERIALS UPON RECEIPT OF CLAIM BY CONTRACTOR.
IF A DEFECT IS OF SUCH NATURE THAT IT CAN BE REMEDIED BY A FIELD OPERATION AT THE JOB SITE WITHOUT THE NECESSITY OF RETURNING THE MATERIAL TO THE MANUFACTURER, THEN UPON WRITTEN AUTHORIZATION OF THE MANUFACTURER THE CONTRACTOR MAY REPAIR OR CAUSE THE MATERIAL TO BE REPAIRED AND THE MANUFACTURER WILL REIMBURSE THE CONTRACTOR FOR THE COST OF THE REPAIR IN ACCORDANCE WITH THE WRITTEN AUTHORIZATION.
THE CORRECTION OF MINOR MISFITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS IN TO 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.

H) ALL BRACING AS SHOWN AND PROVIDED BY THE MANUFACTURER FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE.

I) TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION WILL BE DETERMINED AND FURNISHED AND INSTALLED BY THE ERECTOR. THESE TEMPORARY SUPPORTS WILL SECURE THE STEEL FRAMING, OR ANY PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED, RESULTING FROM WIND, SEISMIC FORCES AND ERECTION OPERATIONS, BUT NOT THE LOADS RESULTING FROM THE PERFORMANCE OF WORK BY OR THE ACTS OF OTHERS, NOR SUCH UNPREDICTABLE LOADS AS THOSE DUE TO TORNADO, EXPLOSION OR COLLISION. (SECT. 7.10.3 AISC CODE OF STANDARD PRACTICE, LATEST ED.)

J) METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR THE DESIGN,MATERIAL AND WORKMANSHIP OF FOUNDATION. ANCHOR BOLT PLANS PREPARED BY MBM ARE INTENDED TO SHOW ONLY LOCATION, DIAMETER AND PROJECTION OF THE ANCHOR RODS REQUIRED TO ATTACH THE METAL BUILDING SYSTEM TO FOUNDATION. IT IS RESPONSIBILITY OF THE END CUSTOMER TO ENSURE THAT ADEQUATE PROVISIONS ARE MADE FOR SPECIFYING ROD EMBEDMENT, BEARING VALUES, TIE RODS AND OTHER ASSOCIATED ITEMS EMBEDDED IN THE CONCRETE FOUNDATION, AS WELL AS FOUNDATION DESIGN FOR THE LOADS IMPOSED BY MB SYSTEM, OTHER IMPOSED LOAD, AND THE BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE (MBMA 06 SECTIONS 3.2.2 AND A3)

K) METAL BUILDING MANUFACTURER DOES NOT PROVIDE ANY FIELD SUPERVISION FOR THE ERECTION, NOR DOES MBM PERFORM ANY INSPECTIONS DURING OR AFTER ERECTION.

COMPONENTS & CLADDING (unfactored)

Wall Field Values	=	32.081	psf	/	–34.755 psf
Wall Edge Values	=	32.081	psf	/	–42.695 psf

IT IS THE RESPONSIBILITY OF THE CUSTOMER TO PROVIDE ALL DOCUMENTATION REQUIRED FOR ANY ACCESSORIES NOT PROVIDED BY MBM TO THEIR LOCAL PERMITTING OFFICE. ALL ACCESSORIES MUST COMPLY AND MEET ALL DESIGN REQUIREMENTS PER LOCAL CODES.

ALL VEHICULAR FRAMED OPENINGS SUPPLIED ON THIS PROJECT HAVE BEEN DESIGNED TO SUPPORT WIND LOADS NORMAL TO A DOOR SYSTEM, BASED ON THE STANDARD BUILDING CODE CRITERIA. THE VEHICULAR FRAMED OPENING HAS NOT BEEN DESIGNED FOR ANY ADDITIONAL MOMENT OR CATENARY FORCE FROM THE DOOR SYSTEM. ANY CHANGES TO THE INFORMATION SHOWN HERE WOULD REQUIRE AN ENGINEERING INVESTIGATION AND POSSIBLE BUILDING REINFORCEMENT.

FRAMING COLORS

Rigid Frame: RO
Flange brace: RO
Angle: RO

RO – Red Oxide
GP – Grey Primer
GZ – Galvanized

	Grt	Pur	EvSt	Jmb	BB	Endwall Col	Endwall Raf
U SECTION:	RO	RO	RO	RO	RO	RO	RO
C SECTION:	RO	RO	RO	RO	RO	RO	RO
D SECTION:	RO	RO	RO	RO	RO	RO	RO
Z SECTION:	RO	RO	RO	RO	RO	RO	RO
E SECTION:	RO	RO	RO	RO	RO	RO	RO
R SECTION:	RO	RO	RO	RO	RO	RO	RO
W SECTION:	RO	RO	RO	RO	RO	RO	RO

WHEN GALVANIZED PROVIDED: ALL FINISHED PRIMARY BUILT–UP AND HOT ROLL MEMBERS ARE HOT DIPPED GALVANIZED. ALL SECONDARY COLD FORMED MEMBERS ARE PRE–GALVANIZED.

IAS ACCREDITED Metal Building Systems AC 472

BUILDING DESIGNED & MANUFACTURED BY AN IAS ACCREDITED FACILITY.

COLORS:

ROOF:	GALVALUME
LINER:	POLAR WHITE
DOOR PANEL:	SADDLE TAN
SOFFIT:	KOKO BROWN
WALLS:	SADDLE TAN
GABLE:	KOKO BROWN
EAVE:	KOKO BROWN
CORNER:	KOKO BROWN
FRAMED OPENINGS:	KOKO BROWN
GUTTER:	KOKO BROWN
DOWNSPOUTS:	KOKO BROWN
BASE:	KOKO BROWN

FINAL 1/4/23 RA

DRAWING STATUS

☐ FOR APPROVAL:
THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.

☐ FOR PERMIT:
THESE DRAWINGS, BEING FOR PERMIT, ARE BY DEFINITION NOT FINAL IN THAT, AS A MINIMUM, PIECE MARKINGS ARE NOT IDENTIFIED. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.

☒ FOR CONSTRUCTION: THESE DRAWINGS ARE FINAL AND ISSUED FOR FIELD USE FOR BUILDING ERECTION

DRAWING INDEX

REV.	PAGE	DESCRIPTION
	0	COVER PAGE
	1	ANCHOR BOLT LAYOUT
	1.1	ANCHOR BOLT DETAILS
	1.2	ANCHOR BOLT REACTIONS
	2	ROOF FRAMING LAYOUT
	2.1–2.4	RIGID FRAME CROSS SECTION
	3	SIDEWALL FRAMING LAYOUT
	4	ENDWALL FRAMING LAYOUT
	4.1	HANGER DOOR FRAMING
	4.2	HANGER DOOR DETAILS
	5–5.4	FRAMING DETAILS
	6	ROOF PANELS & TRIM
	6.1	ROOF PANEL DETAILS
	7	SIDEWALL PANELS & TRIM
	7.1	SIDEWALL PANEL DETAILS
	8	ENDWALL PANELS & TRIM
	8.1	ENDWALL PANEL DETAILS
	9	SPECIAL DETAILS
	10	LINER SHEETING & TRIM

THIS PROJECT IS DESIGNED AS AN ENCLOSED BUILDING. ACCESSORIES (DOORS, WINDOWS, ETC.) BY OTHERS MUST BE DESIGNED AS "COMPONENTS AND CLADDING" IN ACCORDANCE TO SPECIFIC WIND PROVISIONS OF REFERENCED BUILDING CODE. 3

FOR OCCUPANCY (RISK) CATEGORY I OR II, IBC PROVISIONS INDICATE THAT SINGLE–STORY BUILDINGS SHALL HAVE "NO DRIFT LIMIT" PROVIDED THAT INTERIOR WALLS, PARTITIONS, CEILINGS AND EXTERIOR WALL SYSTEMS HAVE BEEN DESIGNED TO ACCOMMODATE THE SEISMIC STORY DRIFTS. INTERIOR WALLS, PARTITIONS, CEILINGS OR EXTERIOR SYSTEMS NOT PROVIDED BY MBM SHALL BE DESIGNED AND DETAILED BY OTHERS TO ACCOMODATE THE SEISMIC STORY DRIFTS. 4

DATE | CHK | DET | ISSUE

FOR: ERWIN HANGAR
615 AIRPORT RD
ERWIN, NC 28339

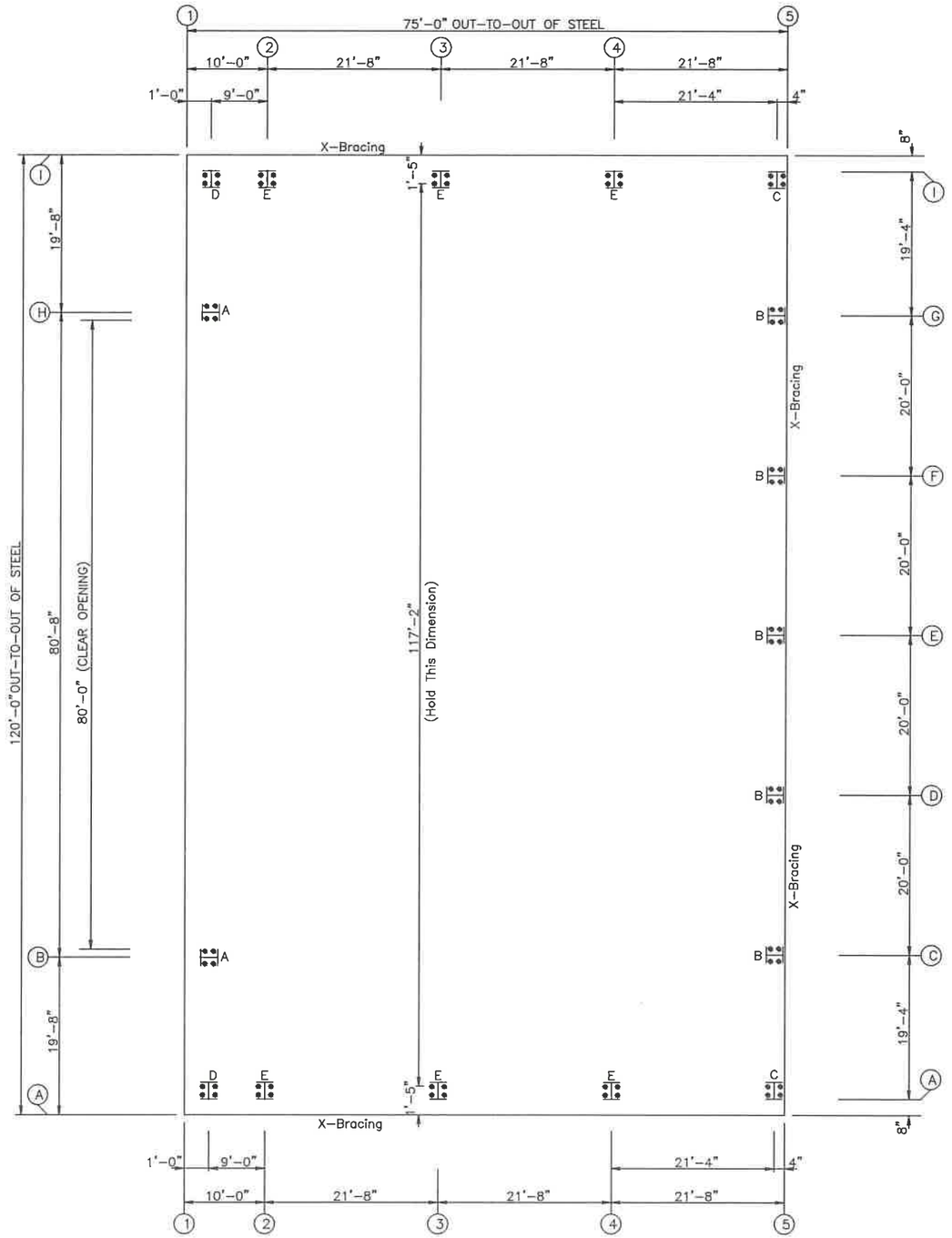
JOBSITE: ERWIN, NC 28339

FROM: STEELCOR BUILDINGS
4084 LYNDHURST COURT
SARASOTA, FL. 34235

JOB NO : 8245
DATE : 10/26/23
BY : DAR
SCALE : NONE
TITLE : COVER PAGE
NUMBER : PAGE 0

⊕ Dia= 3/4"

✱ Dia= 7/8"



ANCHOR BOLT PLAN

NOTE: All Base Plates @ 100'-0" (Unless Noted)

NOTE: ALL FIELD LOCATED FRAMED OPENING LOCATIONS SHALL BE AT THE DISCRETION OF THE ERECTOR/CUSTOMER. IT IS RECOMMENDED THAT THESE ANCHORS BE LOCATED AT TIME OF ERECTION.

FIELD LOCATE:
(2) 3070 WALKDOORS

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

DRAWING NAME: ANCHOR BOLT LAYOUT

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
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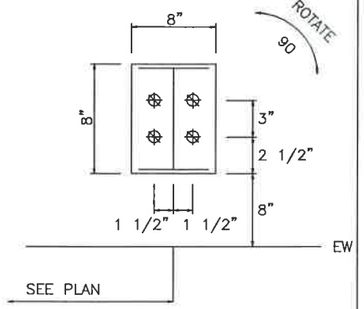

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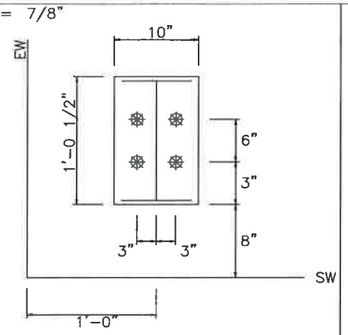

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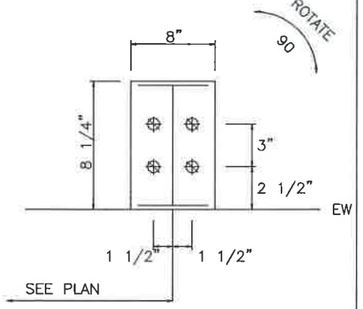

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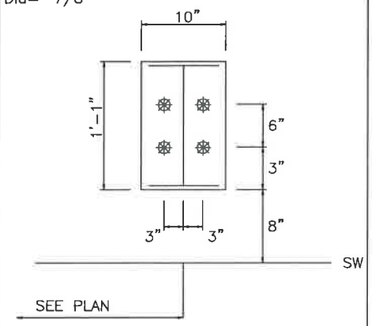

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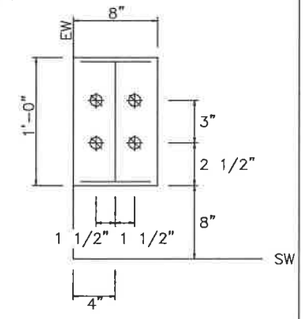

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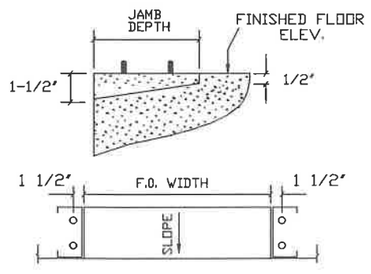
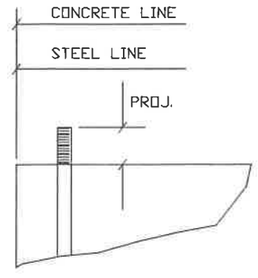


TYP. O.H. DOOR RECESS DETAIL



ANCHOR BOLT PROJECTION

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

DRAWING NAME: ANCHOR BOLT DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
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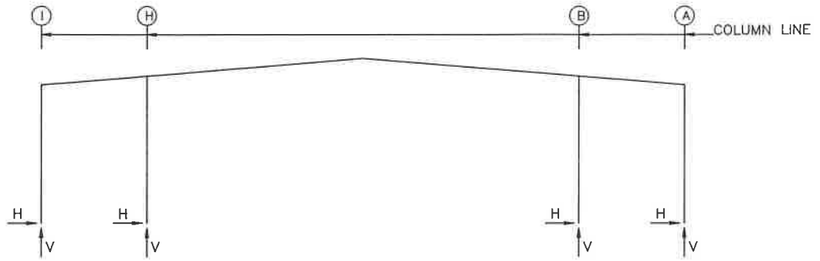
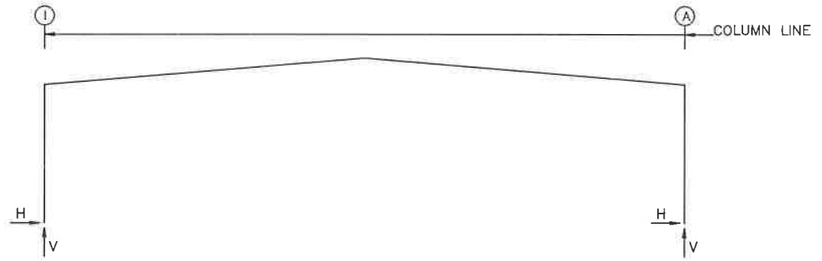


FRAME LINES: 2 3 4



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
1	I	0.0	−0.6	−0.1	−2.2	−0.1	−1.4	0.0	−0.8	−1.9	1.5	2.5	4.8
1	A	0.0	−0.6	0.1	−2.2	0.1	−1.4	0.0	−0.8	−2.5	4.8	1.9	1.5
1	H	0.0	4.3	0.0	9.3	0.0	5.7	0.0	3.3	0.0	−14.0	0.0	−13.2
1	B	0.0	4.3	0.0	9.3	0.0	5.7	0.0	3.3	0.0	−13.2	0.0	−14.0

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
1	I	−2.5	0.8	1.8	4.0	1.3	1.8	1.0	1.4	−0.3	−0.4	0.3	0.4
1	A	−1.8	4.0	2.5	0.8	−1.0	1.4	−1.3	1.8	−0.3	0.4	0.3	−0.4
1	H	0.0	−9.4	0.0	−8.6	0.0	−10.7	0.0	−7.8	0.0	0.5	0.0	−0.5
1	B	0.0	−8.6	0.0	−9.4	0.0	−7.8	0.0	−10.7	0.0	−0.5	0.0	0.5

Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert	F1PAT_LL_1 Horiz	F1PAT_LL_1 Vert	F1PAT_LL_2 Horiz	F1PAT_LL_2 Vert	F1PAT_LL_3 Horiz	F1PAT_LL_3 Vert	F1PAT_LL_4 Horiz	F1PAT_LL_4 Vert	F1UNB_SL_L Horiz	F1UNB_SL_L Vert
1	I	−0.1	−1.2	−0.1	−1.4	−0.1	−2.1	0.0	0.8	−0.1	−2.2	0.0	−1.1
1	A	0.1	−1.2	0.1	−2.1	0.1	−1.4	0.0	0.8	0.1	−2.2	0.0	−1.0
1	H	0.0	4.8	0.0	5.8	0.0	5.0	0.0	0.7	0.0	5.1	0.0	4.1
1	B	0.0	4.8	0.0	5.0	0.0	5.8	0.0	0.7	0.0	5.1	0.0	2.3

Frame Line	Column Line	F1UNB_SL_R Horiz	F1UNB_SL_R Vert
1	I	0.0	−1.0
1	A	0.0	−1.1
1	H	0.0	2.3
1	B	0.0	4.1

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	I	3.0	4.9	5.1	6.9	9.0	11.5	5.3	6.7	−22.5	−27.6	−13.1	−19.7
2	A	−3.0	4.9	−5.1	6.9	−9.0	11.5	−5.3	6.7	13.1	−19.7	22.5	−27.6

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	I	−16.7	−17.3	−7.3	−9.4	−11.5	−22.4	−12.2	−18.1	−0.5	−0.2	0.5	0.2
2	A	7.3	−9.4	16.7	−17.3	12.2	−18.1	11.5	−22.4	−0.5	0.2	0.5	−0.2

Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert	F2UNB_SL_L Horiz	F2UNB_SL_L Vert	F2UNB_SL_R Horiz	F2UNB_SL_R Vert
2	I	7.5	9.6	5.0	7.1	5.0	4.3
2	A	−7.5	9.6	−5.0	4.3	−5.0	7.1

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
3	I	3.8	6.0	3.3	4.0	13.2	15.8	7.7	9.2	−27.3	−32.1	−16.6	−23.6
3	A	−3.8	6.0	−3.3	4.0	−13.2	15.8	−7.7	9.2	16.6	−23.6	27.3	−32.1

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
3	I	−18.8	−17.9	−8.1	−9.5	−17.0	−30.8	−18.1	−24.9	−0.6	−0.3	0.6	0.3
3	A	8.1	−9.5	18.8	−17.9	18.1	−24.9	17.0	−30.8	−0.7	0.3	0.7	−0.3

Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert	F3UNB_SL_L Horiz	F3UNB_SL_L Vert	F3UNB_SL_R Horiz	F3UNB_SL_R Vert
3	I	11.0	13.2	7.4	9.8	7.4	6.0
3	A	−11.0	13.2	−7.4	6.0	−7.4	9.8

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
4	I	3.8	6.0	3.3	4.0	13.2	15.8	7.7	9.2	−31.0	−36.2	−18.7	−26.1
4	A	−3.8	6.0	−3.3	4.0	−13.2	15.8	−7.7	9.2	18.7	−26.1	31.0	−36.2

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
4	I	−22.5	−22.1	−10.2	−11.9	−17.0	−30.8	−18.1	−24.9	−0.6	−0.3	0.6	0.3
4	A	10.2	−11.9	22.5	−22.1	18.1	−24.9	17.0	−30.8	−0.7	0.3	0.7	−0.3

Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert	F4UNB_SL_L Horiz	F4UNB_SL_L Vert	F4UNB_SL_R Horiz	F4UNB_SL_R Vert
4	I	11.0	13.2	7.4	9.8	7.4	6.0
4	A	−11.0	13.2	−7.4	6.0	−7.4	9.8

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Grout (in)
1	I	4	0.875	10.00	12.50	0.500	0.0
1	A	4	0.875	10.00	12.50	0.500	0.0
1	H	4	0.750	8.000	8.000	0.375	0.0
1	B	4	0.750	8.000	8.000	0.375	0.0

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Grout (in)
2	I	4	0.875	10.00	13.00	0.625	0.0
2	A	4	0.875	10.00	13.00	0.625	0.0

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Grout (in)
3	I	4	0.875	10.00	13.00	0.750	0.0
3	A	4	0.875	10.00	13.00	0.750	0.0

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Grout (in)
4	I	4	0.875	10.00	13.00	0.625	0.0
4	A	4	0.875	10.00	13.00	0.625	0.0

GENERAL NOTES

1. FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF METAL BUILDING MANUFACTURER.
2. ALL REACTIONS ARE UNFACTORED.
3 ULTIMATE WIND LOADS ARE USED TO DERIVE THE WIND REACTION.
4. ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLLERANCE OF +/− 1/8" IN BOTH ELEVATION AND LOCATION.
5. COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED A BEARING PRESSURE OF 1050 POUNDS PER SQUARE INCH.

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Wind Press Horz	Wind Suct Horz	MIN_SNOW Horz	MIN_SNOW Vert	E1UNB_SL_L Horz	E1UNB_SL_L Vert	E1UNB_SL_R Horz	E1UNB_SL_R Vert
1	H	−3.6	3.9	0.0	4.1	0.0	3.6	0.0	2.0
1	B	−3.6	3.9	0.0	4.1	0.0	2.0	0.0	3.6

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert
5	A	0.6	0.3	1.8	0.6	−3.1	−2.1	−2.0	−1.0	−3.5	4.0	−3.5	−2.1
5	C	1.2	0.7	4.8	1.7	−8.8	−4.9	−6.2	−2.3	−6.7	7.4	−8.7	−5.1
5	D	1.2	0.6	4.2	1.5	−8.1	−4.2	−5.8	−1.9	−7.2	8.0	−8.0	−4.2
5	E	1.2	0.7	4.4	1.6	−6.0	−6.0	−4.0	−4.0	−7.7	8.4	−5.7	−5.7
5	F	1.2	0.6	4.2	1.5	−4.2	−8.1	−1.9	−5.8	−7.2	8.0	−4.2	−8.0
5	G	1.2	0.7	4.8	1.7	−4.9	−8.8	−2.3	−6.2	−6.7	7.4	−5.1	−8.7
5	I	0.6	0.3	1.8	0.6	−2.1	−3.1	−1.0	−2.0	−3.5	4.0	−2.1	−3.5

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	Seis Long Vert	MIN_SNOW Horz	MIN_SNOW Vert	E2UNB_SL_L Horz	E2UNB_SL_L Vert	E2UNB_SL_R Horz	E2UNB_SL_R Vert	E2PAT_LL_1 Horz	E2PAT_LL_1 Vert	E2PAT_LL_2 Horz	E2PAT_LL_2 Vert
5	A	0.0	0.0	0.0	0.0	0.9	0.0	0.7	0.0	0.2	0.0	1.7	0.0	−0.2
5	C	0.0	0.0	0.0	0.0	2.4	0.0	1.5	0.0	0.6	0.0	5.1	0.0	2.0
5	D	0.0	0.0	0.0	0.0	2.1	0.0	2.6	0.0	0.2	0.0	2.1	0.0	4.9
5	E	0.0	0.0	0.0	0.0	2.2	0.0	2.1	0.0	2.1	0.0	−0.3	0.0	2.1
5	F	0.0	0.0	0.0	0.0	2.1	0.0	0.2	0.0	2.6	0.0	0.1	0.0	−0.3
5	G	0.0	0.0	0.0	0.0	2.4	0.0	0.6	0.0	1.5	0.0	0.0	0.0	0.1
5	I	0.0	0.0	0.0	0.0	0.9	0.0	0.2	0.0	0.7	0.0	0.0	0.0	0.0

Frm Line	Col Line	E2PAT_LL_3 Horz	E2PAT_LL_3 Vert	E2PAT_LL_4 Horz	E2PAT_LL_4 Vert	E2PAT_LL_5 Horz	E2PAT_LL_5 Vert	E2PAT_LL_6 Horz	E2PAT_LL_6 Vert	E2PAT_LL_7 Horz	E2PAT_LL_7 Vert
5	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	−0.2
5	C	0.0	−0.3	0.0	0.1	0.0	0.0	0.0	2.3	0.0	2.5
5	D	0.0	2.1	0.0	−0.3	0.0	0.1	0.0	2.1	0.0	2.1
5	E	0.0	4.9	0.0	2.1	0.0	−0.3	0.0	2.2	0.0	2.2
5	F	0.0	2.1	0.0	4.9	0.0	2.1	0.0	2.1	0.0	2.1
5	G	0.0	−0.3	0.0	2.0	0.0	5.1	0.0	2.5	0.0	2.3
5	I	0.0	0.0	0.0	−0.2	0.0	1.7	0.0	−0.2	0.0	2.0

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	= 120.0
Length (ft)	= 75.0
Eave Height (ft)	= 26.0/ 26.0
Roof Slope (Rise/12)	= 1.0/ 1.0
Dead Load (psf)	= 2.0
Collateral Load (psf)	= 3.0
Roof Live Load(psf)	= 20.0
Frame Live Load(psf)	= 12.0
Snow Load (psf)	= 7.0
Wind Speed (mph)	= 120.0
Wind Code	= NCBC 18 (IBC 15)
Exposure	= C
Enclosed/Open/Partial	= ENCLOSED
Importance Wind	= 1.00
Importance Seismic	= 1.00
Seismic Zone	= C
Seismic Coeff (Fa*Ss)	= 0.30

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Grout (in)
5	A	4	0.750	8.000	12.00	0.375	0.0
5	C	4	0.750	8.000	8.250	0.375	0.0
5	D	4	0.750	8.000	8.250	0.375	0.0
5	E	4	0.750	8.000	8.250	0.250	0.0
5	F	4	0.750	8.000	8.250	0.375	0.0
5	G	4	0.750	8.000	8.250	0.375	0.0
5	I	4	0.750	8.000	12.00	0.375	0.0

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	1								(h)
F_SW	A	2,3	21.2	23.8	2.4	2.7			
R_EW	5	C,D	1.7	2.4	0.4	0.6			
		F,G	1.7	2.4	0.4	0.6			
B_SW	I	3,2	21.2	23.8	2.4	2.7			

(h)Rigid frame at endwall

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Projection (in)
36	Endwall	3/4"	GR36	1.50
32	Frame	7/8"	GR36	2.50

NOTE: THE FRAMING AT BOTH ENDWALLS IS NOT DESIGNED TO ACCOMMODATE FUTURE ADDITIONS. REACTIONS CORRESPONDING TO THESE FRAME LINES REFLECT LOADINGS FOR ACTUAL TRIBUTARY AREA AND ARE NOT INTENDED TO INCLUDE ANY FUTURE MODIFICATIONS UNLESS NOTED OTHERWISE.

1

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

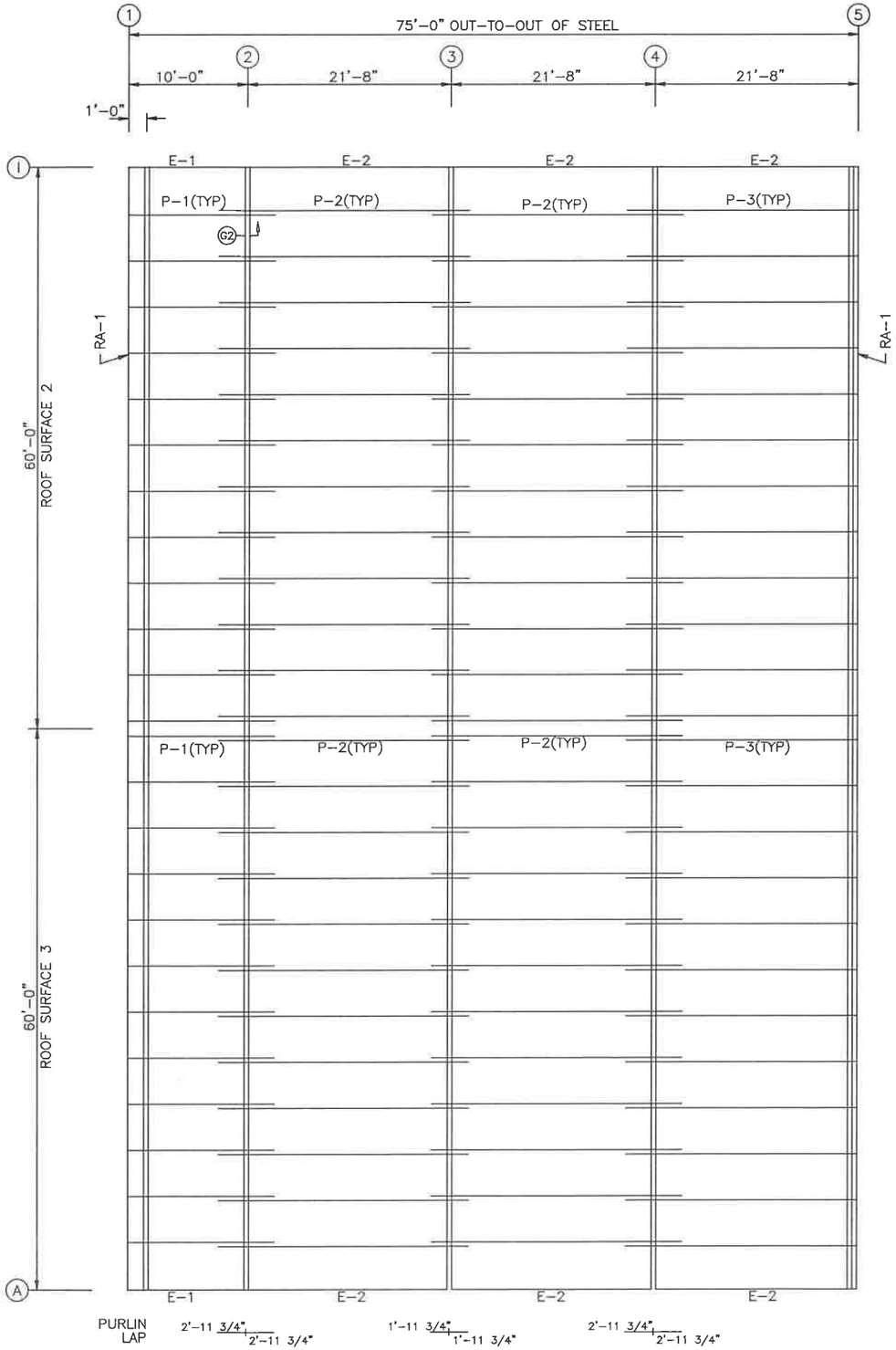
CUSTOMER: ERWIN HANGAR

JOB NO: 8245 DATE: 10/26/23

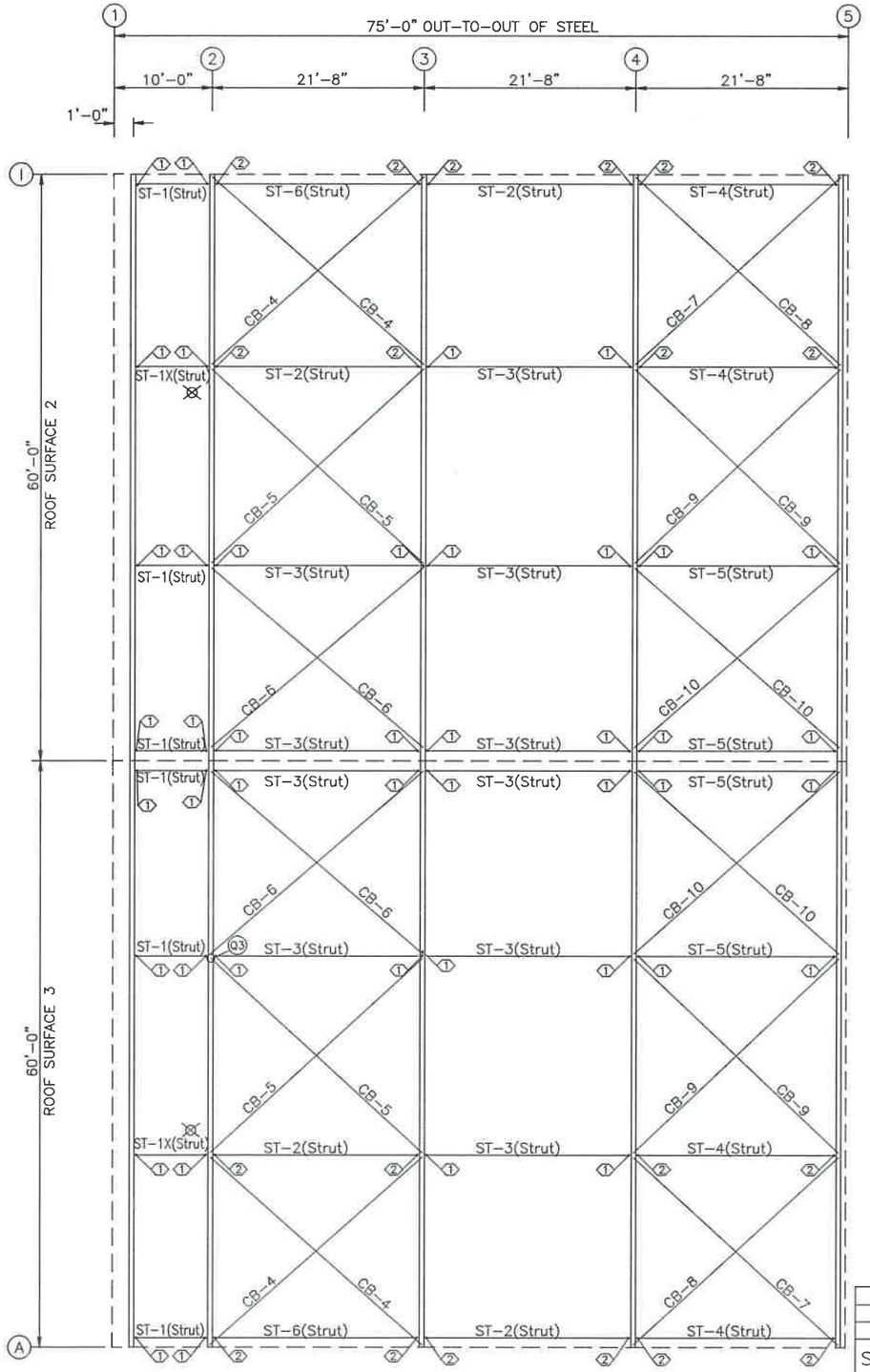
LOCATION: ERWIN, NC 28339

DRAWING NAME: ANCHOR BOLT REACTIONS

DRAWING NO: PAGE 1.2 DRAWN BY: DAR CHECKED BY: RAW SCALE: NONE



ROOF FRAMING PLAN



ROOF BRACING PLAN

SPECIAL BOLTS ROOF PLAN					
ID	QUAN	TYPE	DIA	LENGTH	WASH
1	2	A325	5/8"	2"	0
2	4	A325	5/8"	2"	0

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	8x25Z16	12'-11 1/2"
P-2	8x25Z16	26'-7 1/2"
P-3	8x25Z14	24'-7 1/2"
E-1	8LE14@1	9'-11 1/2"
E-2	8LE14@1	21'-7 1/2"
ST-1	8X7DC14	8'-11"
ST-1X	8X7DC14	8'-11"
ST-2	8X7DC14	21'-7"
ST-3	8X7DC14	21'-7"
ST-4	8X7DC14	21'-3"
ST-5	8X7DC14	21'-3"
ST-6	8X7DC12	20'-5 1/2"
CB-4	0.75_ROD	28'-7"
CB-5	0.75_ROD	29'-9"
CB-6	0.50_ROD	28'-8"
CB-7	0.75_ROD	28'-0"
CB-8	0.75_ROD	28'-3"
CB-9	0.75_ROD	29'-6"
CB-10	0.50_ROD	28'-5"

SHOP MARK

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

DRAWING NAME: ROOF FRAMING LAYOUT

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 2	DAR	RAW	NONE

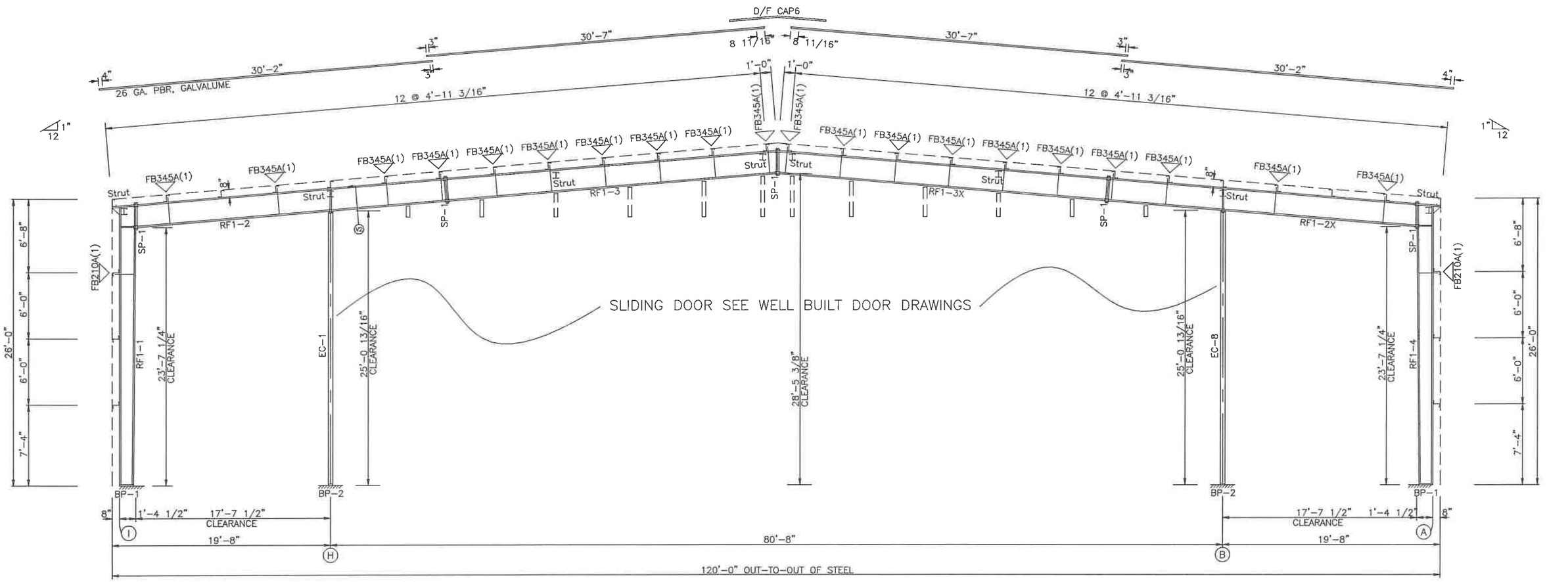
SPLICE BOLT TABLE						
MARK	Qty Top	Bot	Int	TYPE	DIA	Length
SP-1	4	4	0	A325	5/8"	2"

CAP PLATE BOLTS				
MARK	Qty	TYPE	DIA	Length
EC-1	4	A325T	5/8"	2"
EC-8	4	A325T	5/8"	2"

BASE PLATE TABLE			
COL MARK	PLATE SIZE Width	THICK	Length
BP-1	10"	1/2"	1'-0 1/2"
BP-2	8"	3/8"	8"

▽FLANGE BRACES: (1) One Side; (2) Two Sides
FBxxA(1): xx=length(in)
A — L2x2x14

MEMBER TABLE						
MARK	Weight	Web Depth Start/End	Web PLATE THICK	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	497	12.0/13.8	0.135	10'-6 1/4"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
		13.8/16.0	0.135	14'-11"	6 x 1/4" x 5'-3 7/8"	6 x 1/4" x 3'-3 3/16"
					6 x 1/4" x 2'-0 5/16"	
RF1-2	915	22.0/22.0	0.188	14'-11"	6 x 1/4" x 20'-0"	6 x 1/2" x 18'-1 3/4"
		22.0/22.0	0.188	13'-3"	6 x 1/4" x 8'-0 1/8"	6 x 5/8" x 10'-0 3/16"
RF1-3	682	22.0/22.0	0.135	14'-11"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
		22.0/22.0	0.135	13'-1"	6 x 1/4" x 10'-0"	6 x 1/4" x 9'-10 1/8"
		22.0/22.0	0.135	2'-0"		
RF1-4	497	16.0/13.8	0.135	14'-11"	6 x 1/4" x 2'-0 5/16"	6 x 1/4" x 3'-3 3/16"
		13.8/12.0	0.135	10'-6 1/4"	6 x 1/4" x 5'-3 7/8"	6 x 1/4" x 20'-0"
					6 x 1/4" x 20'-0"	
EC-1	620	W8X24				
EC-8	620	W8X24				



RIGID FRAME ELEVATION: FRAME LINE 1

NOTE: THE FRAMING AS DEPICTED ABOVE IS NOT DESIGNED TO ACCOMMODATE ANY FUTURE EXPANSION.

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

DRAWING NAME: RIGID FRAME CROSS SECTION

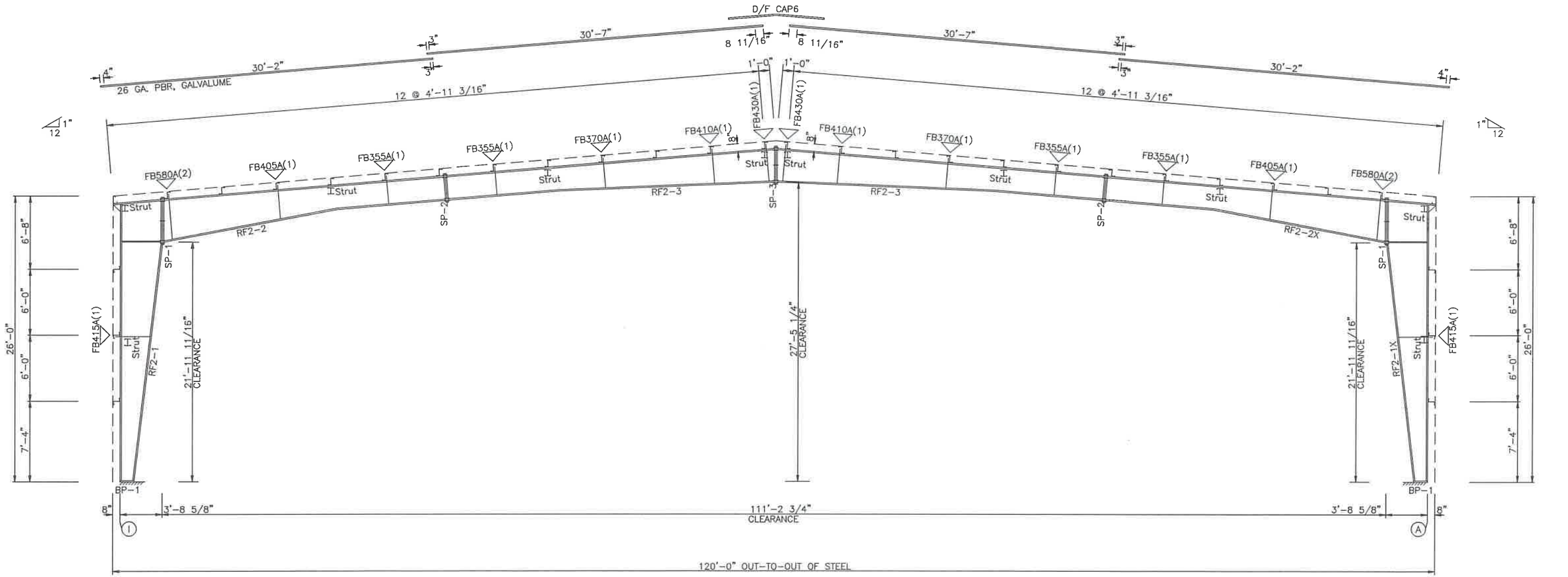
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 2.1	DAR	RAW	NONE

SPLICE BOLT TABLE						
MARK	Qty Top	Bot	Int	TYPE	DIA	Length
SP-1	4	4	2	A325	7/8"	3"
SP-2	4	4	0	A325	3/4"	2"
SP-3	4	4	2	A325	5/8"	2"

BASE PLATE TABLE			
COL MARK	PLATE SIZE Width	THICK	Length
BP-1	10"	5/8"	1'-1"

▽FLANGE BRACES: (1) One Side; (2) Two Sides
FBxxA(1): xx=length(in)
A = L2x2x14

MEMBER TABLE						
MARK	Weight	Web Depth Start/End	Web PLATE THICK	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-1	1307	12.0/21.9	0.250	6'-7 13/16"	8 x 5/16" x 20'-0"	8 x 5/16" x 19'-8 3/4"
		21.9/44.0	0.250	14'-11"	8 x 5/16" x 5'-3 11/16"	8 x 5/16" x 2'-0"
		44.0/44.0	0.313	4'-0 9/16"	8 x 5/16" x 4'-4 7/16"	
RF2-2	1146	44.0/26.5	0.250	13'-10 9/16"	8 x 5/16" x 16'-0 7/8"	8 x 5/16" x 15'-11 5/8"
		26.5/24.0	0.250	2'-0"	8 x 1/4" x 9'-6"	8 x 1/4" x 10'-0"
		24.0/24.0	0.188	10'-0"		
RF2-3	919	24.0/24.0	0.188	10'-0 3/8"	6 x 1/4" x 20'-0"	6 x 1/4" x 10'-0 5/16"
		24.0/31.5	0.188	14'-11"	6 x 1/4" x 10'-0 3/8"	6 x 1/4" x 19'-9 3/8"
		31.5/34.0	0.188	5'-1"		



RIGID FRAME ELEVATION: FRAME LINE 2

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

DRAWING NAME: RIGID FRAME CROSS SECTION

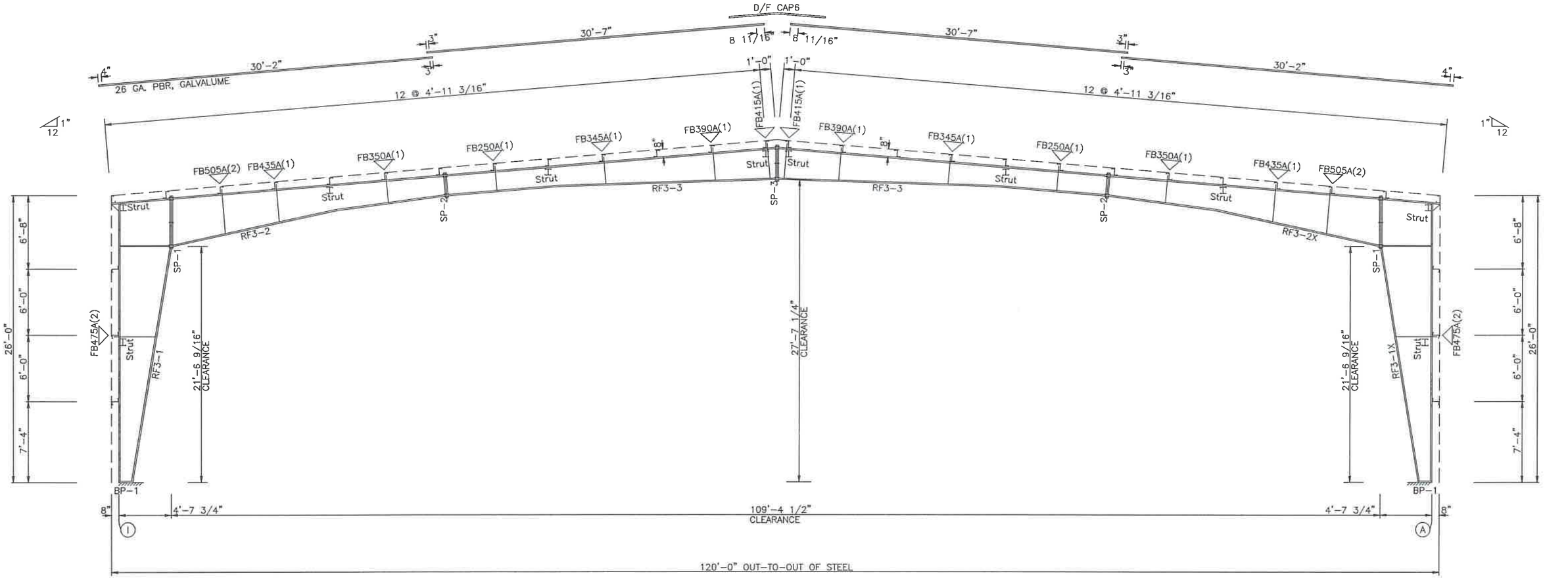
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 2.2	DAR	RAW	NONE

SPLICE BOLT TABLE						
MARK	Qty Top	Bot	Int	TYPE	DIA	Length
SP-1	4	4	2	A325	7/8"	2 1/2"
SP-2	4	4	0	A325	3/4"	2"
SP-3	4	4	2	A325	5/8"	2"

BASE PLATE TABLE			
COL MARK	PLATE SIZE Width	THICK	Length
BP-1	10"	3/4"	1'-1"

▽FLANGE BRACES: (1) One Side; (2) Two Sides
FBxxA(1): xx=length(in)
A - L2x2x14

MEMBER TABLE						
MARK	Weight	Web Depth Start/End	Web PLATE THICK	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF3-1	1715	12.0/33.9	0.313	10'-9 3/16"	8 x 3/8" x 20'-0"	8 x 3/8" x 19'-5 3/16"
		33.9/55.0	0.313	14'-11"	8 x 3/8" x 5'-3 9/16"	8 x 3/8" x 2'-0"
					8 x 5/16" x 5'-3 9/16"	
RF3-2	1170	50.0/29.2	0.250	13'-0 1/16"	8 x 5/16" x 15'-1 7/8"	8 x 5/16" x 15'-1 11/16"
		29.2/26.0	0.250	2'-0"	8 x 1/4" x 9'-6"	8 x 5/16" x 10'-0 1/8"
		26.0/20.0	0.188	10'-0"		
RF3-3	851	20.0/20.0	0.188	10'-0 1/4"	6 x 1/4" x 20'-0"	6 x 1/4" x 10'-0 3/16"
		20.0/29.1	0.188	14'-11"	6 x 1/4" x 10'-0 1/4"	6 x 1/4" x 19'-9 5/8"
		29.1/32.0	0.188	5'-1"		



RIGID FRAME ELEVATION: FRAME LINE 3

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

DRAWING NAME: RIGID FRAME CROSS SECTION

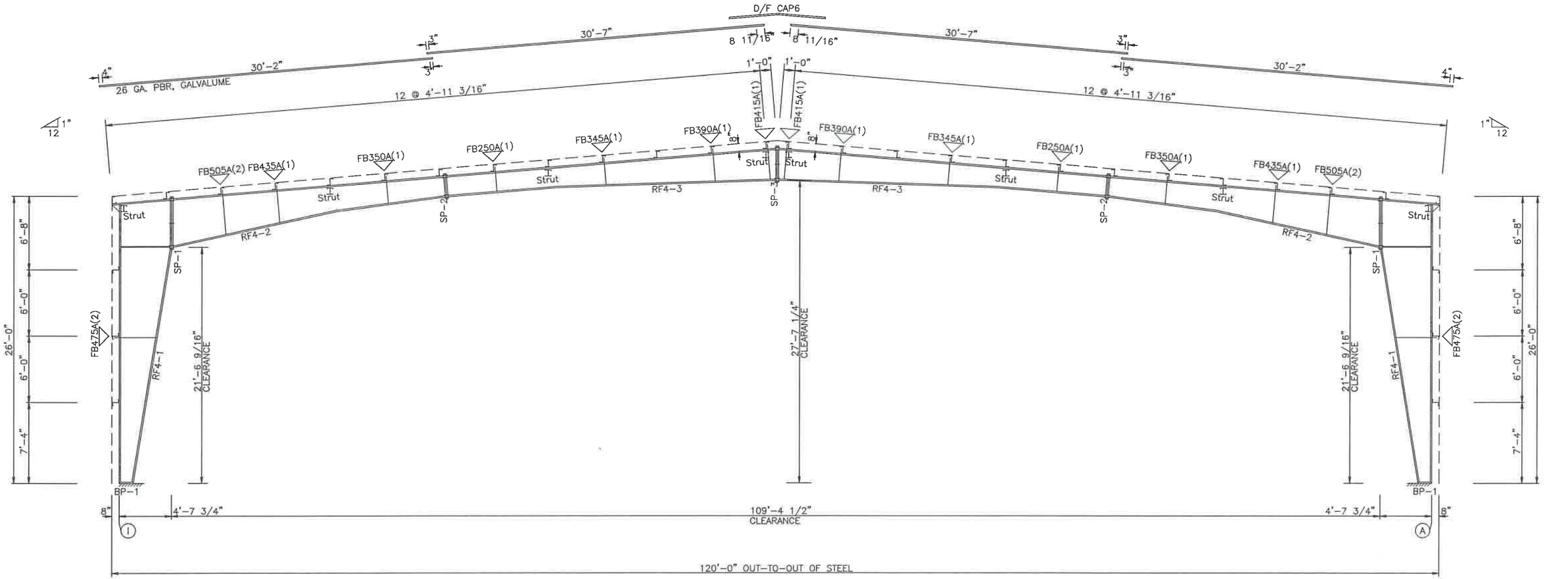
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 2.3	DAR	RAW	NONE

SPLICE BOLT TABLE						
MARK	Qty Top	Bot	Int	TYPE	DIA	Length
SP-1	4	4	2	A325	7/8"	2 1/2"
SP-2	4	4	0	A325	3/4"	2"
SP-3	4	4	2	A325	5/8"	2"

BASE PLATE TABLE			
COL MARK	PLATE SIZE Width	THICK	Length
BP-1	10"	5/8"	1'-1"

▽FLANGE BRACES: (1) One Side; (2) Two Sides
FBxxA(1): xx=length(in)
A = L2x2x14

MEMBER TABLE						
MARK	Weight	Web Depth Start/End	Web PLATE THICK	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF4-1	1678	12.0/33.9	0.313	10'-9 5/16"	8 x 3/8" x 20'-0"	8 x 3/8" x 19'-5 5/16"
		33.9/55.0	0.313	14'-11"	8 x 3/8" x 5'-3 11/16"	8 x 3/8" x 2'-0"
					8 x 5/16" x 5'-3 9/16"	
RF4-2	1163	50.0/29.2	0.250	13'-0 1/16"	8 x 5/16" x 15'-1 7/8"	8 x 5/16" x 15'-1 11/16"
		29.2/26.0	0.250	2'-0"	8 x 1/4" x 9'-6"	8 x 5/16" x 10'-0 1/8"
		26.0/20.0	0.188	10'-0"		
RF4-3	851	20.0/20.0	0.188	10'-0 1/4"	6 x 1/4" x 20'-0"	6 x 1/4" x 10'-0 3/16"
		20.0/29.1	0.188	14'-11"	6 x 1/4" x 10'-0 1/4"	6 x 1/4" x 19'-9 5/8"
		29.1/32.0	0.188	5'-1"		



RIGID FRAME ELEVATION: FRAME LINE 4

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

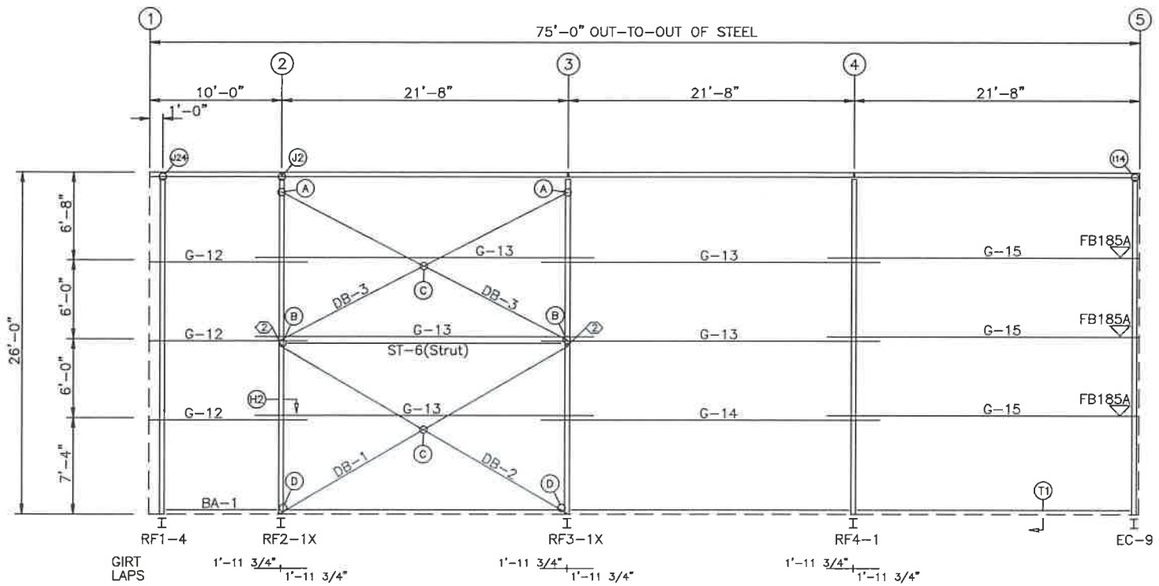
LOCATION: ERWIN, NC 28339

DRAWING NAME: RIGID FRAME CROSS SECTION

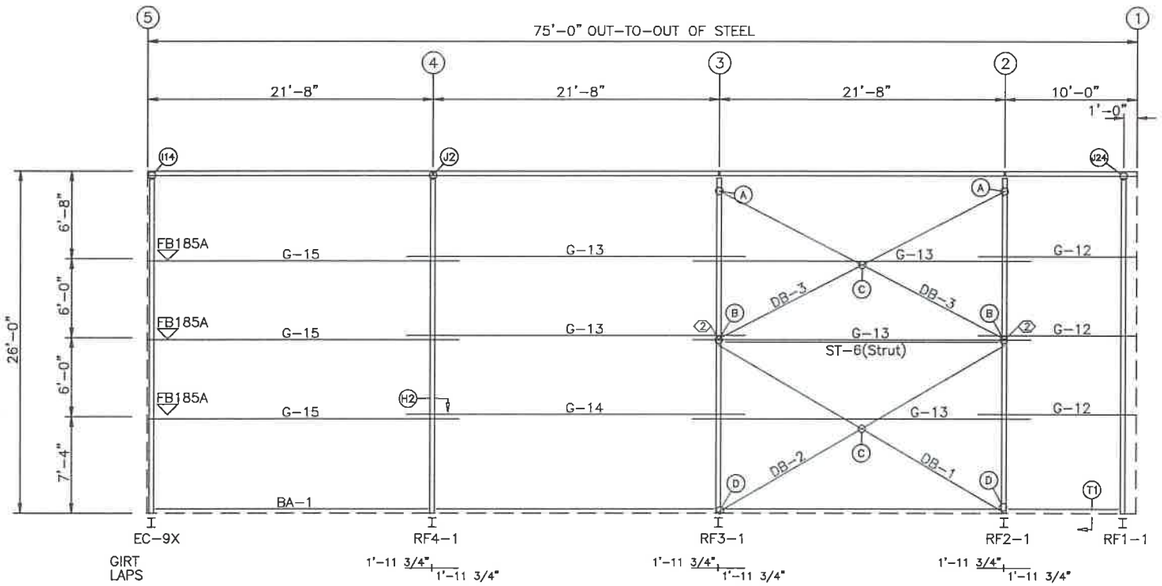
DRAWING NO: PAGE 2.4 | DRAWN BY: DAR | CHECKED BY: RAW | SCALE: NONE

SPECIAL BOLTS					
ID	QUAN	TYPE	DIA	LENGTH	WASH
2	4	A325	5/8"	2"	0

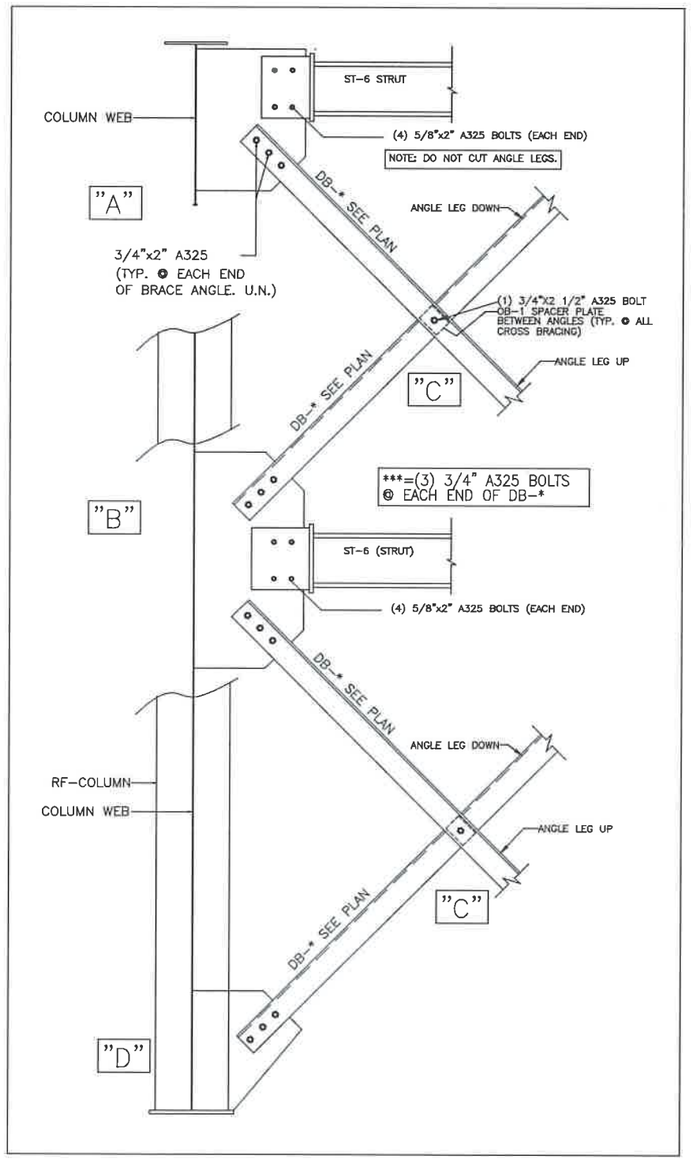
MEMBER TABLE FRAME LINE A & I		
MARK	PART	LENGTH
ST-6	8X7DC12	20'-5 1/2"
G-12	8x25Z16	11'-11 1/2"
G-13	8x25Z16	25'-7 1/2"
G-14	8x25Z14	25'-7 1/2"
G-15	8x25Z14	23'-7 1/2"
DB-1	L3X3X188	24'-0 1/2"
DB-2	L3X3X188	24'-0 5/16"
DB-3	L3X3X188	23'-6 1/2"



SIDEWALL FRAMING: FRAME LINE A



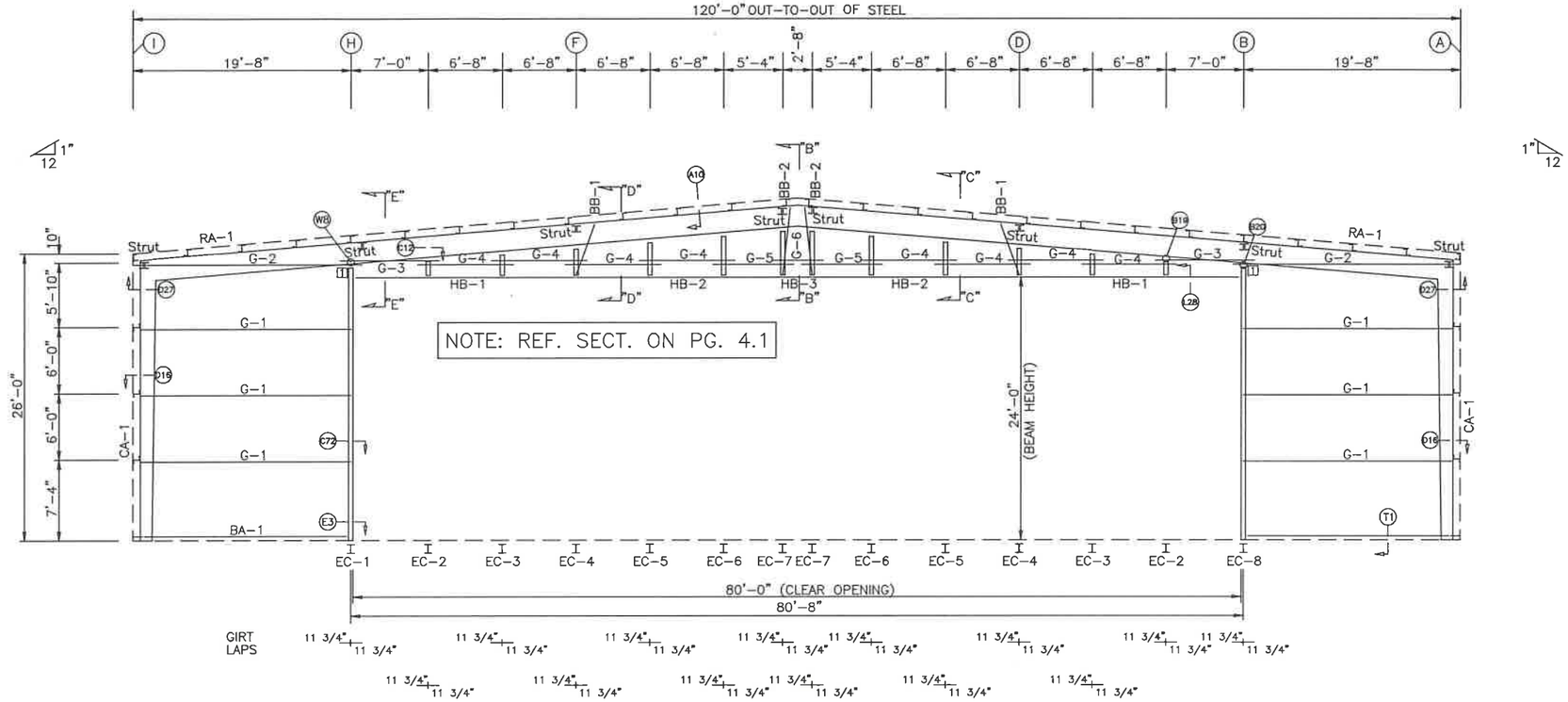
SIDEWALL FRAMING: FRAME LINE I



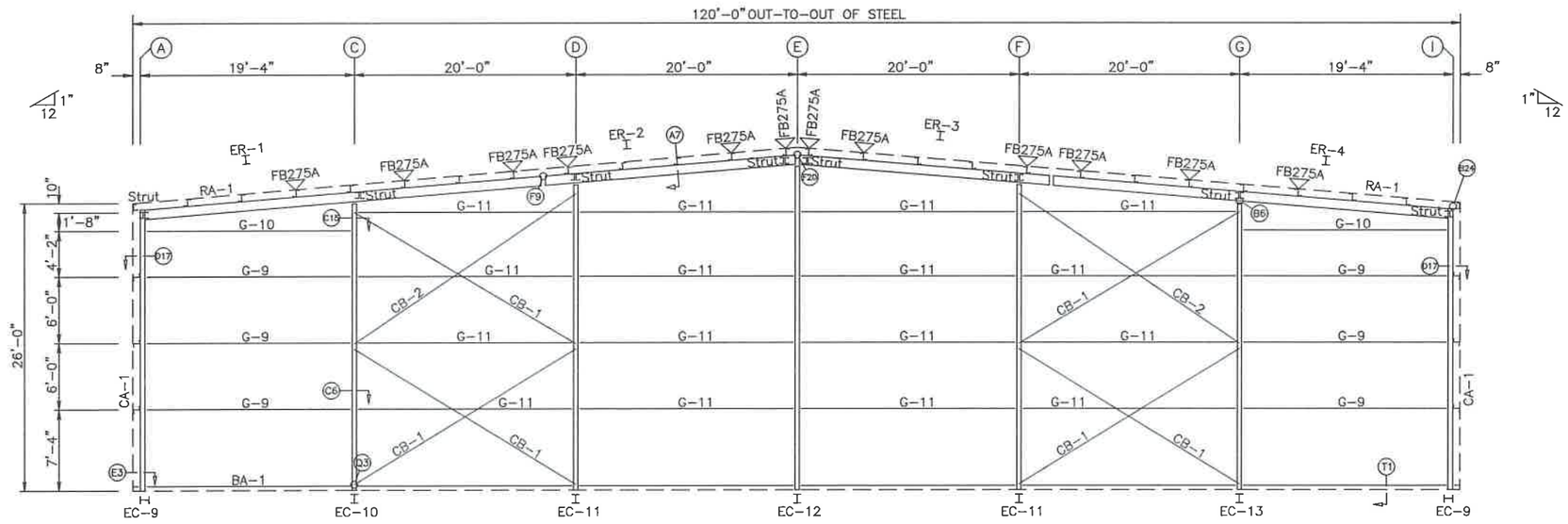
ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR			
JOB NO: 8245	DATE: 10/26/23		
LOCATION: ERWIN, NC 28339			
DRAWING NAME: SIDEWALL FRAMING LAYOUT			
DRAWING NO: PAGE 3	DRAWN BY: DAR	CHECKED BY: RAW	SCALE: NONE



ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 5

NOTE: THE FRAMING AS DEPICTED ABOVE IS NOT DESIGNED TO ACCOMMODATE ANY FUTURE EXPANSION.

BOLT TABLE
FRAME LINE 1 & 5

LOCATION	QUAN	TYPE	DIA	LENGTH
Cor_Column/Raf	4	A325	5/8"	2"
ER-1/ER-2	8	A325	5/8"	2"
ER-2/ER-3	8	A325	5/8"	2"
ER-3/ER-4	8	A325	5/8"	2"
EC-1/FRAME	4	A325	5/8"	2"
EC-2/FRAME	2	A325	5/8"	2"
EC-3/FRAME	2	A325	5/8"	2"
EC-4/FRAME	2	A325	5/8"	2"
EC-5/FRAME	2	A325	5/8"	2"
EC-6/FRAME	2	A325	5/8"	2"
EC-7/FRAME	2	A325	5/8"	2"
EC-8/FRAME	4	A325	5/8"	2"
EC-10/ER-1	2	A325	5/8"	2"
EC-11/ER-2	2	A325	5/8"	2"
EC-12/ER-3	2	A325	5/8"	2"
EC-11/ER-3	2	A325	5/8"	2"
EC-13/ER-4	2	A325	5/8"	2"

MEMBER TABLE
FRAME LINE 1 & 5

MARK	PART	LENGTH
HB-1	C8x11.5	20'-7 1/2"
HB-2	C8x11.5	18'-7 1/2"
HB-3	C8x11.5	2'-7 1/2"
BB-1	T5x188	21'-4 11/16"
BB-2	T5x188	21'-7"
EC-1	W8X24	25'-1 1/16"
EC-2	W8X10	1'-5 11/16"
EC-3	W8X10	2'-0 3/4"
EC-4	W8X10	2'-7 3/8"
EC-5	W8X10	3'-2 1/16"
EC-6	W8X10	3'-8 3/4"
EC-7	W8X10	4'-2 1/16"
EC-8	W8X24	25'-1 1/16"
EC-9	W12X14	25'-5 5/8"
EC-10	W8X18	26'-0 1/16"
EC-11	W8X18	27'-8 1/16"
EC-12	W8X18	29'-0 15/16"
EC-13	W8X18	26'-0 1/16"
ER-1	W10X12	35'-7 3/16"
ER-2	W10X12	23'-0 3/16"
ER-3	W10X12	23'-0 3/16"
ER-4	W10X12	35'-7 3/16"
G-1	8x25Z12	19'-3 1/2"
G-2	8x25Z16	19'-7 1/2"
G-3	8x25Z16	9'-3 1/2"
G-4	8x25Z16	8'-7 1/2"
G-5	8x25Z16	7'-3 1/2"
G-6	8x25Z16	4'-7 1/2"
G-9	8x25Z12	17'-11 1/2"
G-10	8x25Z14	17'-11 1/2"
G-11	8x25Z12	19'-3 1/4"
CB-1	0.50_ROD	24'-0"
CB-2	0.50_ROD	24'-11"

CONNECTION PLATES
FRAME LINE 1 & 5

ID	MARK/PART
1	SGC1

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

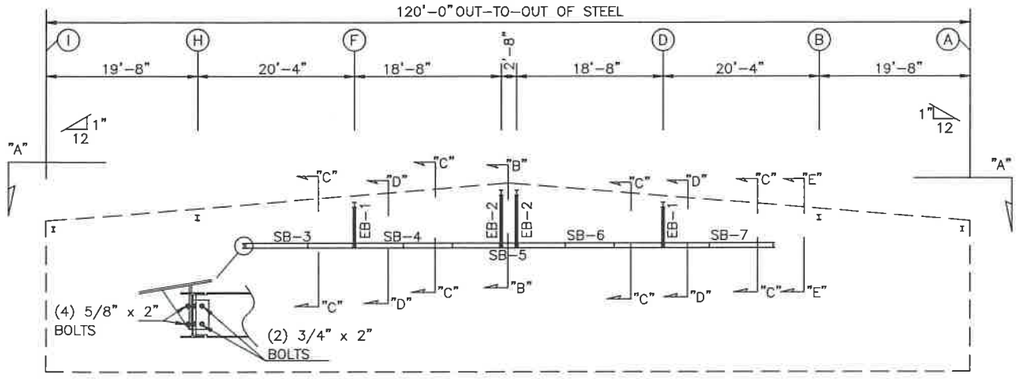
CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

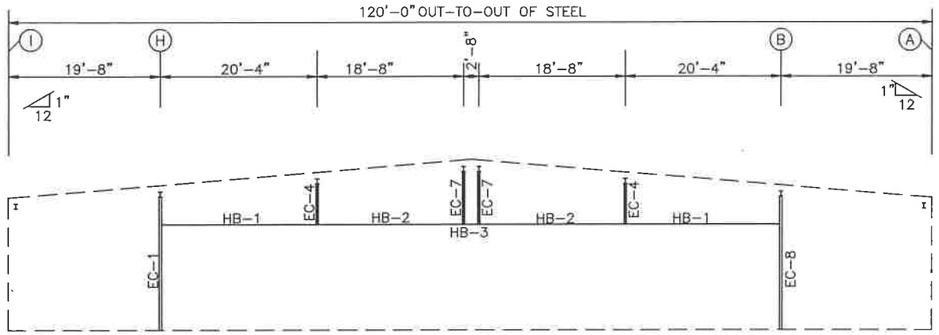
DRAWING NAME: ENDWALL FRAMING LAYOUT

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 4	DAR	RAW	NONE

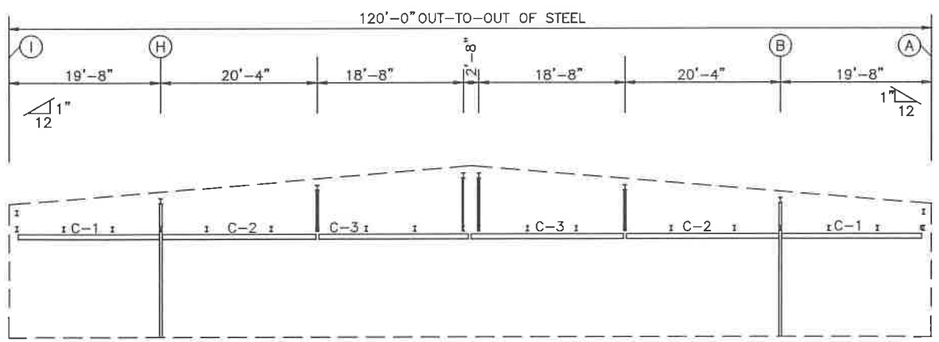


HANGAR DOOR FRAMING: FRAME LINE 2

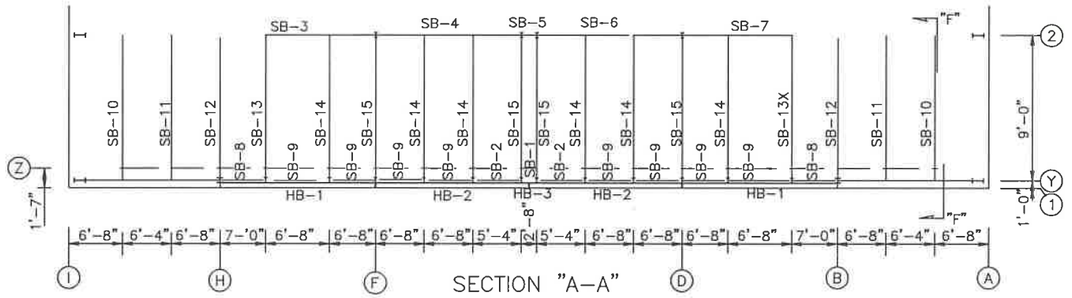
MEMBER TABLE FRAME LINE 1.1		
MARK	PART	LENGTH
SB-1	W8X10	2'-6 13/16"
SB-2	W8X10	5'-2 13/16"
SB-3	W8X10	13'-2 13/16"
SB-4	W8X10	18'-6 13/16"
SB-5	W8X10	2'-6 13/16"
SB-6	W8X10	18'-6 13/16"
SB-7	W8X10	13'-2 13/16"
SB-8	W8X10	6'-10 13/16"
SB-9	W8X10	6'-6 13/16"
SB-10	W8X10	8'-11"
SB-11	W8X10	8'-11"
SB-12	W8X10	8'-3 1/16"
SB-13	W8X10	8'-11 1/8"
SB-13X	W8X10	8'-11 1/8"
SB-14	W8X10	8'-7 3/8"
SB-15	W8X10	8'-3 1/8"
EB-1	W8X10	1'-11 7/16"
EB-2	W8X10	2'-8 11/16"
C-1	6x25C16	13'-3 1/2"
C-2	6x25C16	20'-3 1/2"
C-3	6x25C16	19'-11 1/2"



SOFFIT FRAMING: FRAME LINE 1



SOFFIT FRAMING: FRAME LINE Z



SECTION "A-A"

NOTE: REF SECT. DWGS @ PAGE 4.2

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

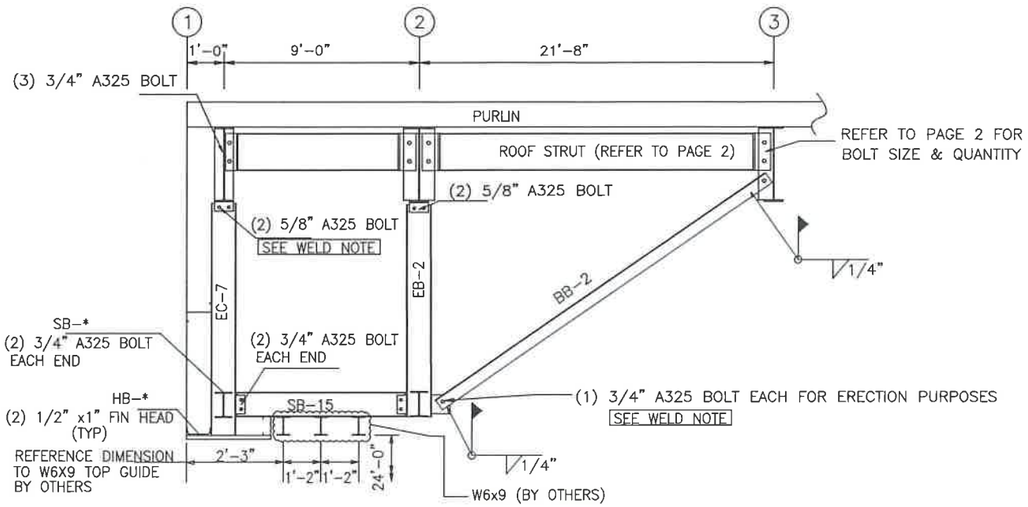
CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

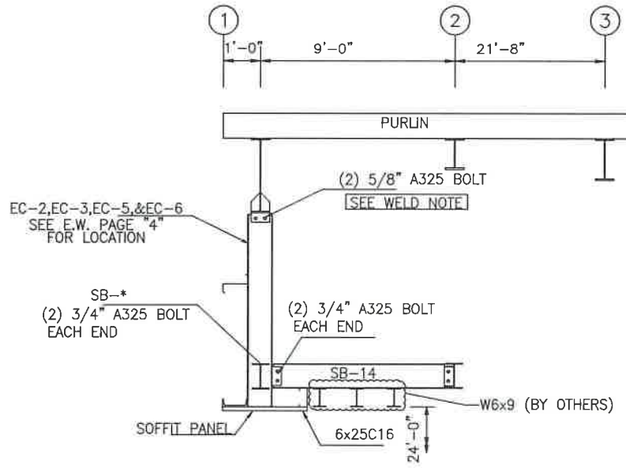
LOCATION: ERWIN, NC 28339

DRAWING NAME: HANGAR DOOR FRAMING

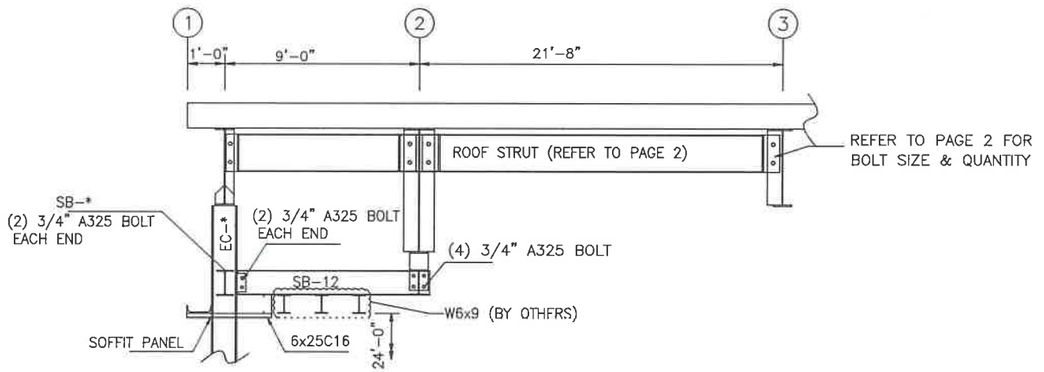
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 4.1	DAR	RAW	NONE



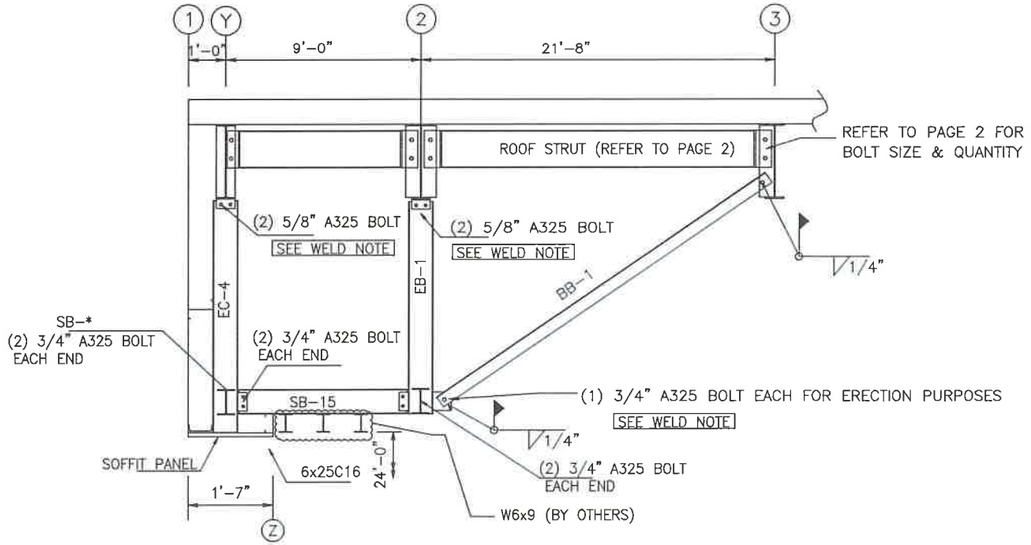
SECTION "B-B" @ PEAK



SECTION "C-C"



SECTION "E-E" @ LINES "B" & "H"



SECTION "D-D" @ LINES "D" & "F"

WELD NOTE:
FIELD WELD ONCE ALL DEAD LOAD IS APPLIED

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

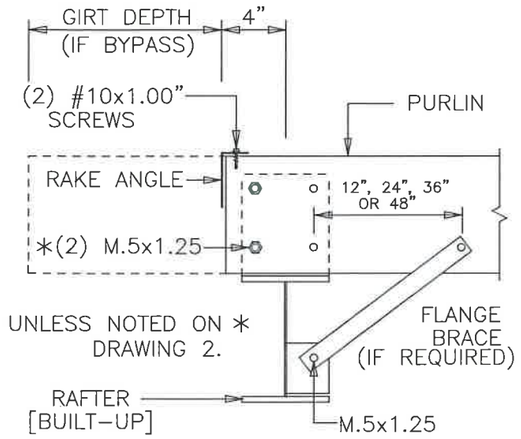
CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

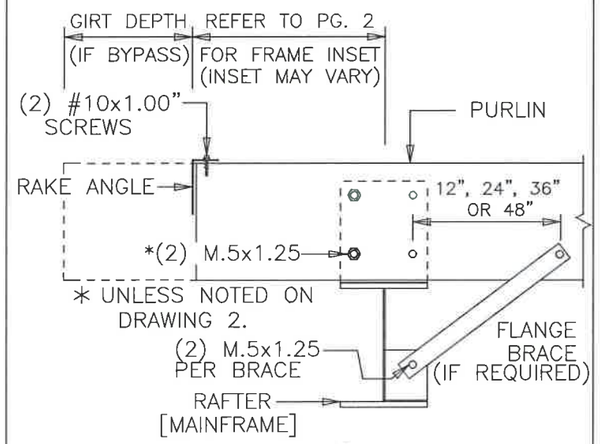
DRAWING NAME: HANGER DOOR DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 4.2	DAR	RAW	NONE



DETAIL A7

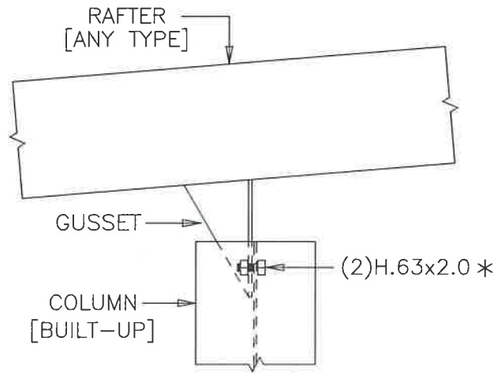
PURLIN TO ENDWALL RAFTER



DETAIL A10

PURLIN TO ENDWALL RAFTER

DETAIL B6

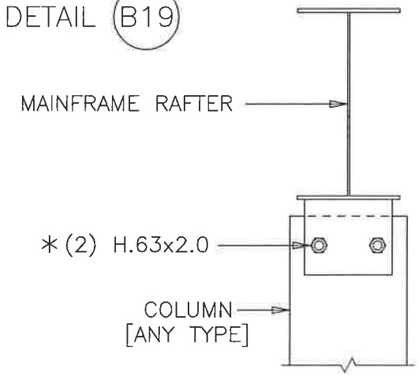


* UNLESS NOTED ON ENDWALL OR PARTITION FRAMING PLAN(S)

BUILT-UP COLUMN / RAFTER CONNECTION

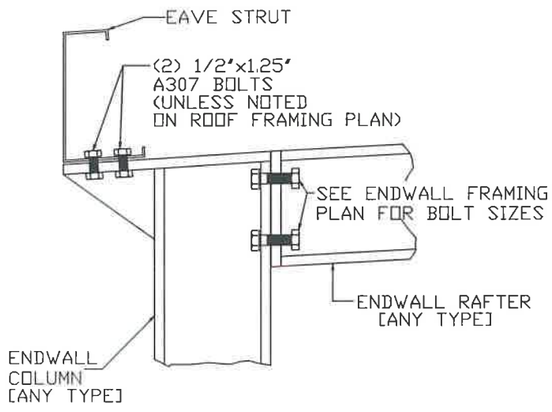
NOTE: HAND TIGHTEN EW COLUMN/RAFTER CONNECTION BOLTS, THEN INTERRUPT THREADS.

DETAIL B19



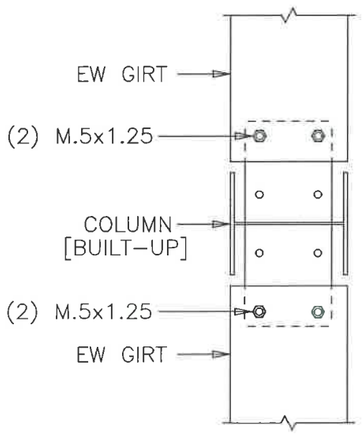
* UNLESS NOTED EW FRAMING OR PARTITION FRAMING PLAN(S)

MAINFRAME RAFTER / COLUMN CONNECTION



B24 BYPASS ROTATED CORNER COLUMN TO ENDWALL RAFTER

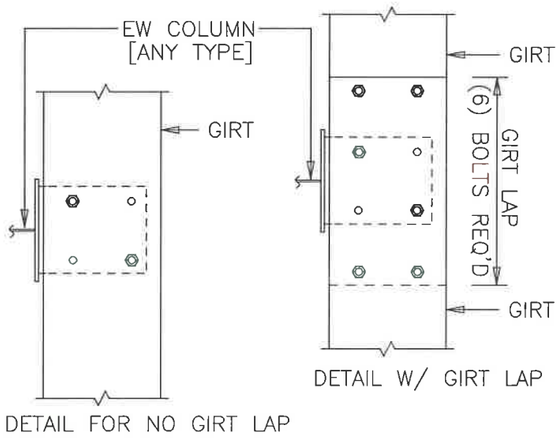
DETAIL C6



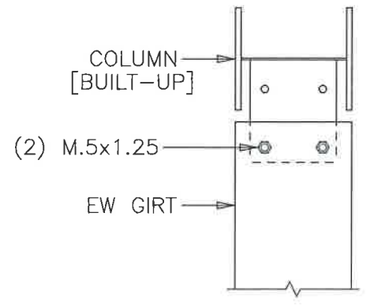
ENDWALL GIRTS TO INTERIOR COLUMN

C12 ENDWALL GIRT TO COLUMN

ALL BOLTS SHOWN ARE: 1/2"x1.25" A307



DETAIL C15



ENDWALL GIRT STOPPING AT COLUMN

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR

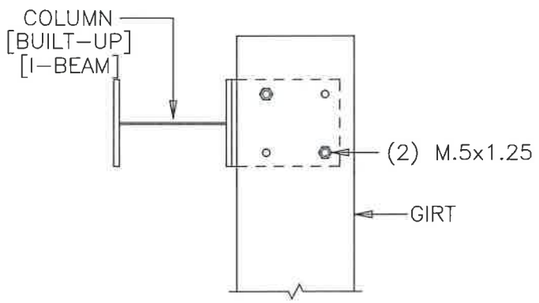
JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

DRAWING NAME: FRAMING DETAILS

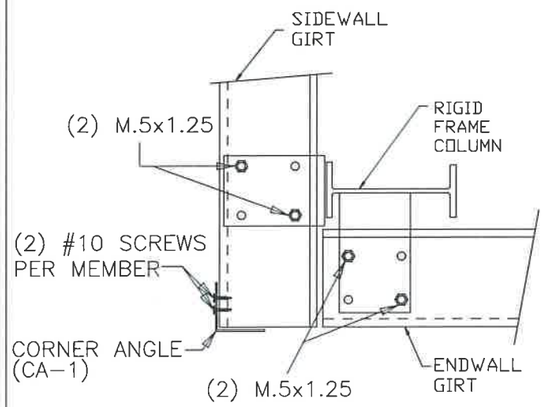
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 5	DAR	RAW	NONE

DETAIL C72



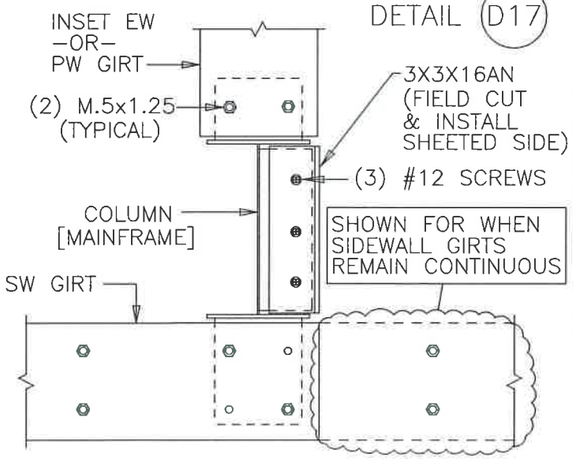
* (4) M.5x1.25 – IF (2) GIRTS / NO LAP.

BYPASS ENDWALL GIRT TERMINATION AT COLUMN

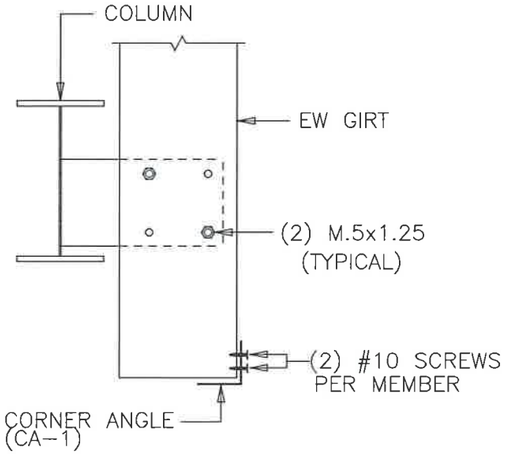


D16 CORNER COLUMN TO WALL GIRT

DETAIL D17

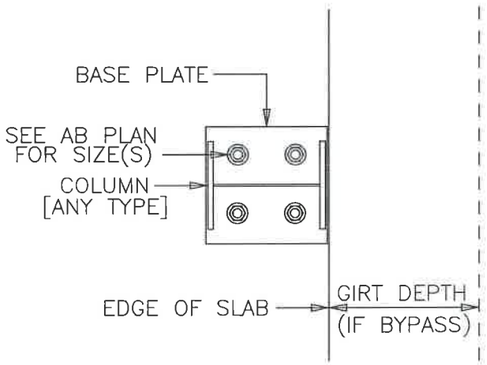


GIRT CONNECTIONS AT PARTITION WALL
OR INSET ENDWALL



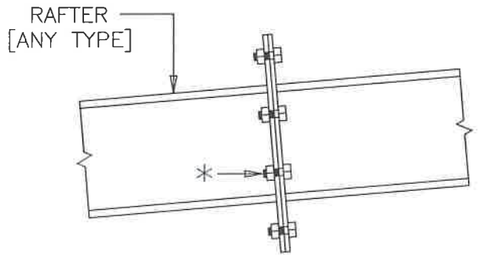
D27 GIRTS TO CORNER COLUMN

DETAIL E3



ENDWALL COLUMN BASE DETAIL

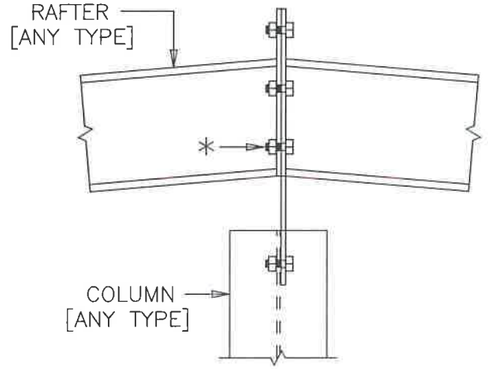
DETAIL F9



* SEE EW FRAMING PLAN FOR SIZE
AND QUANTITY OF BOLTS.

RAFTER DETAIL AT SPLICE

DETAIL F20

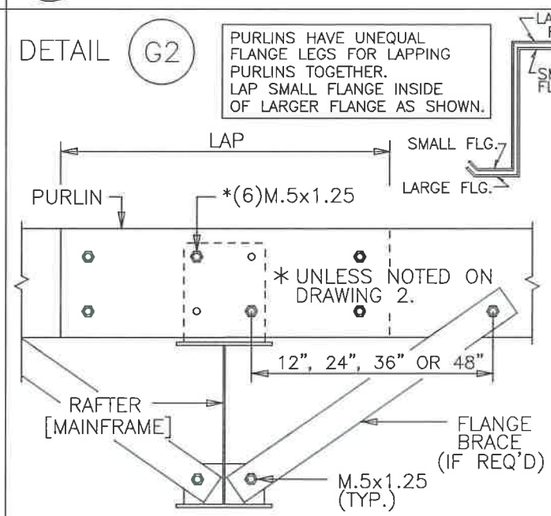


* SEE EW FRAMING PLAN FOR SIZE
AND QUANTITY OF BOLTS.

RAFTER DETAIL AT RIDGE W/ CENTER COLUMN

DETAIL G2

PURLINS HAVE UNEQUAL
FLANGE LEGS FOR LAPPING
PURLINS TOGETHER.
LAP SMALL FLANGE INSIDE
OF LARGER FLANGE AS SHOWN.



PURLIN TO MAINFRAME RAFTER

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

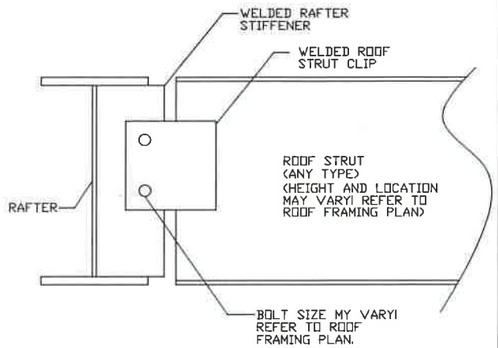
CUSTOMER: ERWIN HANGAR

JOB NO: 8245 DATE: 10/26/23

LOCATION: ERWIN, NC 28339

DRAWING NAME: FRAMING DETAILS

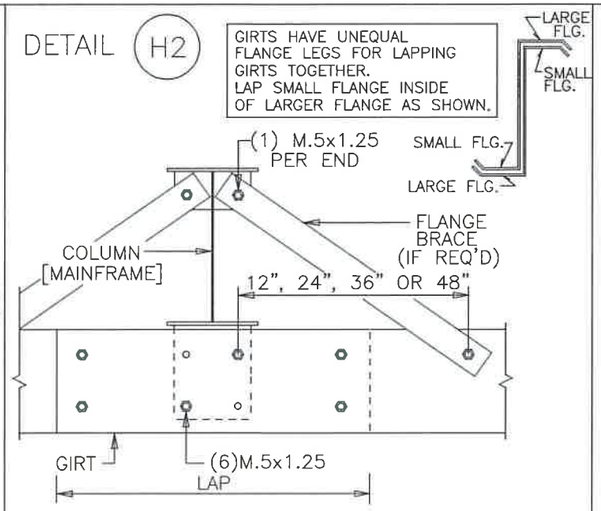
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 5.1	DAR	RAW	NONE



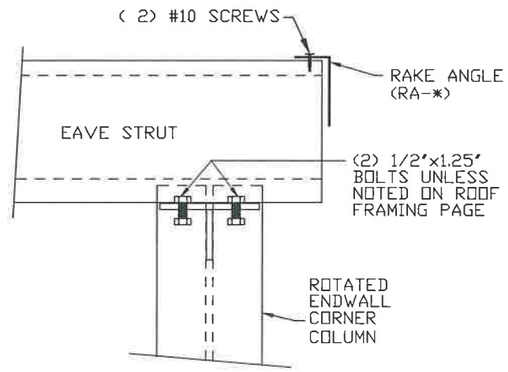
G19 FLUSH ROOF STRUT TO RIGID FRAME RAFTER

DETAIL H2

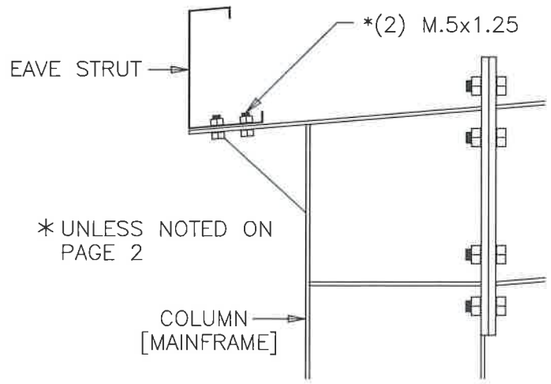
GIRTS HAVE UNEQUAL FLANGE LEGS FOR LAPPING GIRTS TOGETHER. LAP SMALL FLANGE INSIDE OF LARGER FLANGE AS SHOWN.



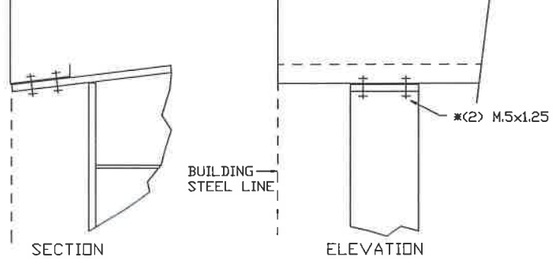
GIRT TO MAINFRAME COLUMN



I14 EAVE STRUT TO ENDWALL CORNER COLUMN



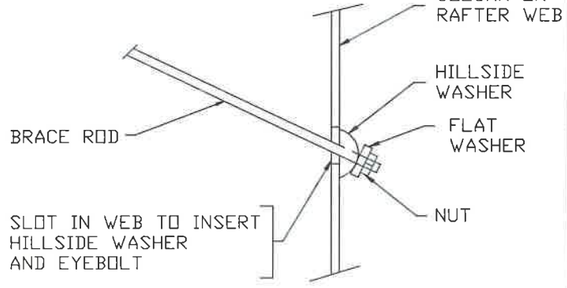
J2 EAVE STRUT CONNECTION AT MAINFRAME



* = UNLESS NOTED ON ROOF FRAMING PLAN

J24 EAVE STRUT TO RIGID FRAME

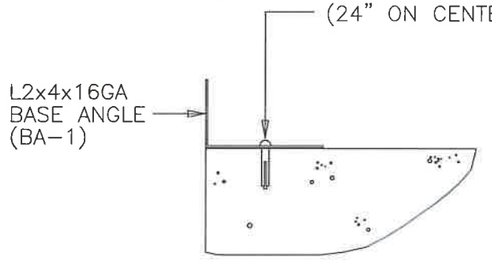
Q3 DIAGONAL BRACE ROD, NUT END



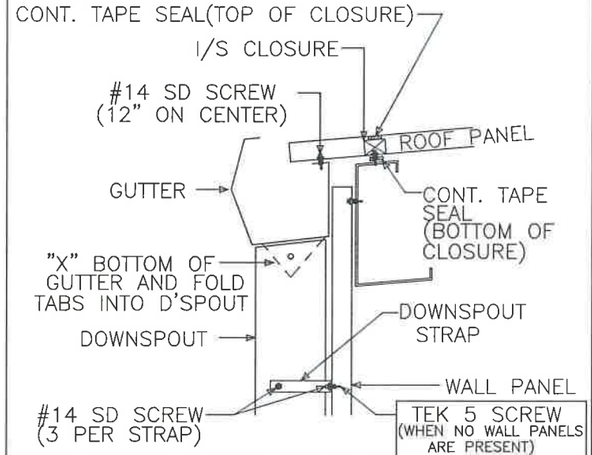
NOTE: WHEN FLUSH GIRTS/PURLINS ARE USED, FIELD SLOT GIRT/PURLIN AS REQ'D FOR CABLE/ROD PASSAGE THROUGH GIRT/PURLIN.

DETAIL T1

1/4" x 1 1/4" ZINC HAMMER DRIVES ZAMAK ALLOY (ASTM B633, SC1, TYPE III)



BASE ANGLE DETAIL



NOTE: INSTALL GUTTER STRAPS 3'-0" ON CENTER.
NOTE: INSTALL D'SPOUT STRAPS 5'-0" ON CENTER.

TRIM_1

GUTTER DETAIL

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

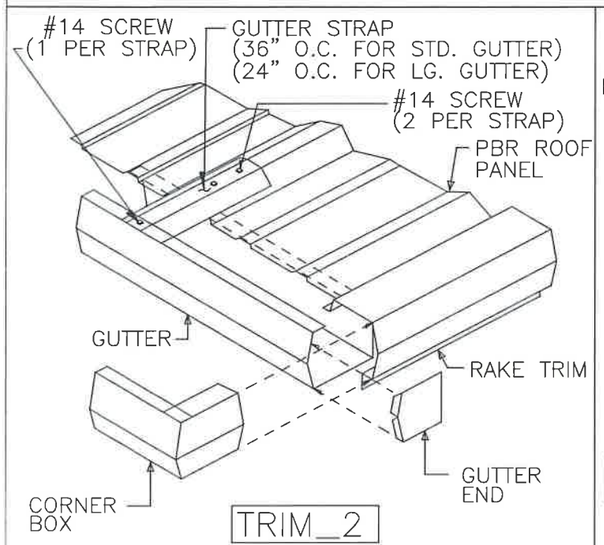
CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

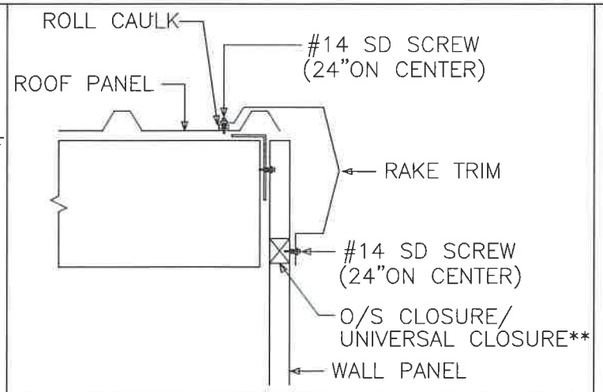
DRAWING NAME: FRAMING DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 5.2	DAR	RAW	NONE



TRIM_2

GUTTER END DETAIL

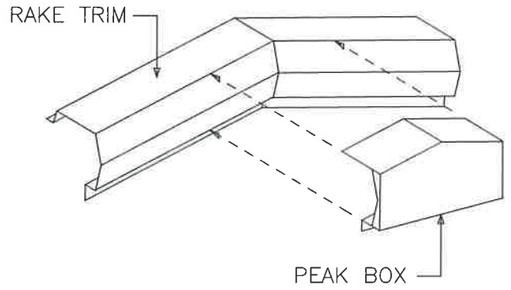


** – O/S CLOSURE FOR ROOF PITCHES UP TO 2:12"
UNIVERSAL CLOSURE FOR ROOF PITCHES ABOVE 2:12"

NOTE: FIELD CUT UNIVERSAL CLOSURES TO MATCH WALL PANEL PROFILE (ON PITCH).

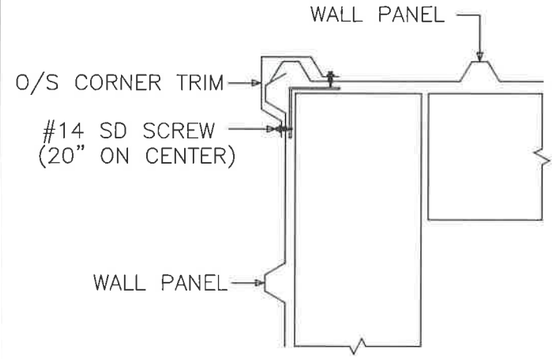
TRIM_3

RAKE TRIM DETAIL



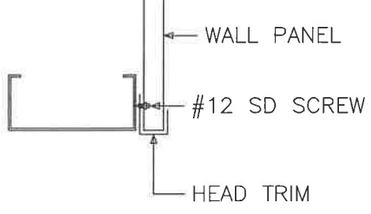
TRIM_4

PEAK BOX DETAIL



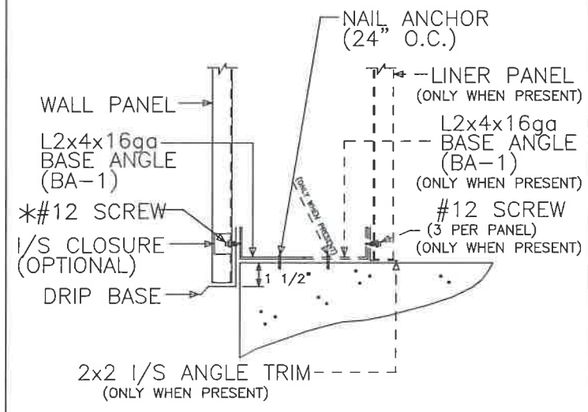
TRIM_5

O/S CORNER DETAIL



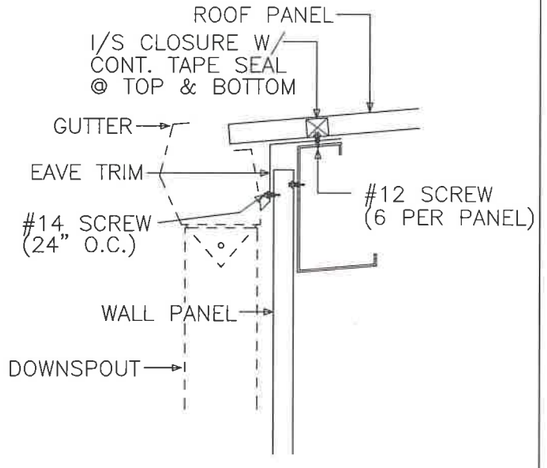
TRIM_6

HEAD TRIM DETAIL AT HEADER



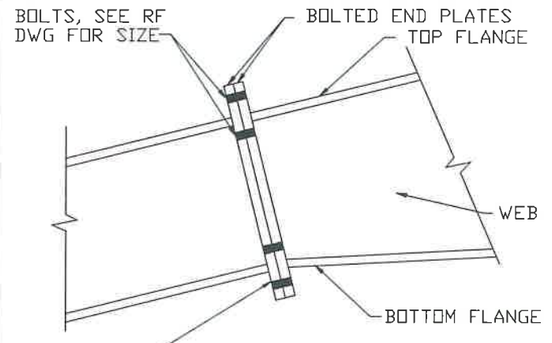
*= 6 PER PANEL FOR STANDARD PBR
3 PER PANEL FOR REV. ROLLED PBR

TRIM_16 BASE TRIM DETAIL



TRIM_120

EAVE/GUTTER TRIM DETAIL



U1 BOLTED END PLATE RAFTER SPLICE

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

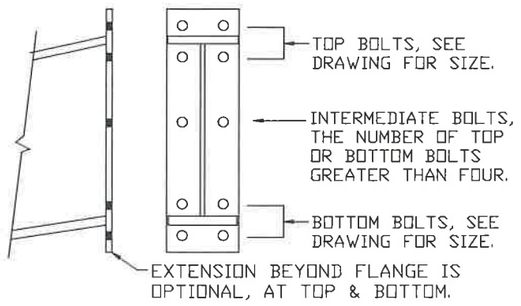
CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

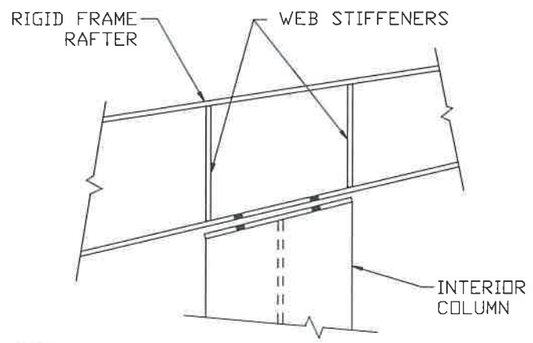
DRAWING NAME: FRAMING DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 5.3	DAR	RAW	NONE

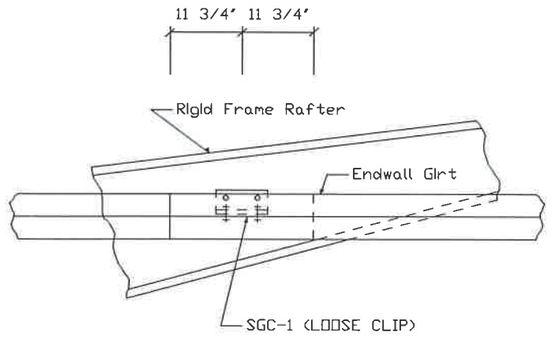


BOLTED END PLATE CONNECTION

NOTE: REFER TO RIGID FRAME CROSS SECTION(S) FOR BOLT SIZE/QNTY!



V2 INTERIOR COLUMN TO RAFTER



ATTACH WITH:
CLIP TO RAFTER (2) 1/2"x1.25" A307 BOLT/NUT
CLIP TO GIRT (6) 1/2"x1.25" A307 BOLT/NUT

W8 SECTION OF ENDWALL GIRT TO RAFTER

STRUCTURAL BOLTED CONNNECTIONS

REFER TO COVER PAGE "GENERAL NOTES" PARAGRAPH "C", SECTION "9" FOR INSTRUCTIONS ON TIGHTENING ALL A325 AND A490 CONNECTION BOLTS.

TRIM NOTES:

[1] SEAL TRIM SPLICES WITH TUBE CAULK.
[2] SECURE GUTTER SPLICES AND END PLUGS WITH RIVETS.
[3] SECURE ALL OTHER ROOF TRIM SPLICES WITH TRIM SCREWS UNLESS NOTED OTHERWISE.
[4] TRIM SCREWS ARE LOCATED 24" ON CENTER UNLESS NOTED OTHERWISE.
[5] STD. TRIM SPLICES ARE 3" TOTAL UNLESS NOTED OTHERWISE.

MORTISE PREPPED PERSONNEL DOORS

ALL MORTISE PREPPED PERSONNEL DOORS COME AS RIGHTHAND REVERSED SWING.

(i.e. STANDING ON THE OUTSIDE OF THE BUILDING FACING THE DOOR, THE LOCK WILL BE ON THE LEFTHAND SIDE OF THE DOOR AND THE DOOR WILL SWING OUTWARD FROM THE BUILDING.)

ANY FIELD MODIFICATIONS ARE THE RE-SPONSIBILITY OF THE ERECTOR AND MBM IS NOT LIABLE FOR LABOR CHARGES NOR DAMAGES DUE TO ERROR.

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR

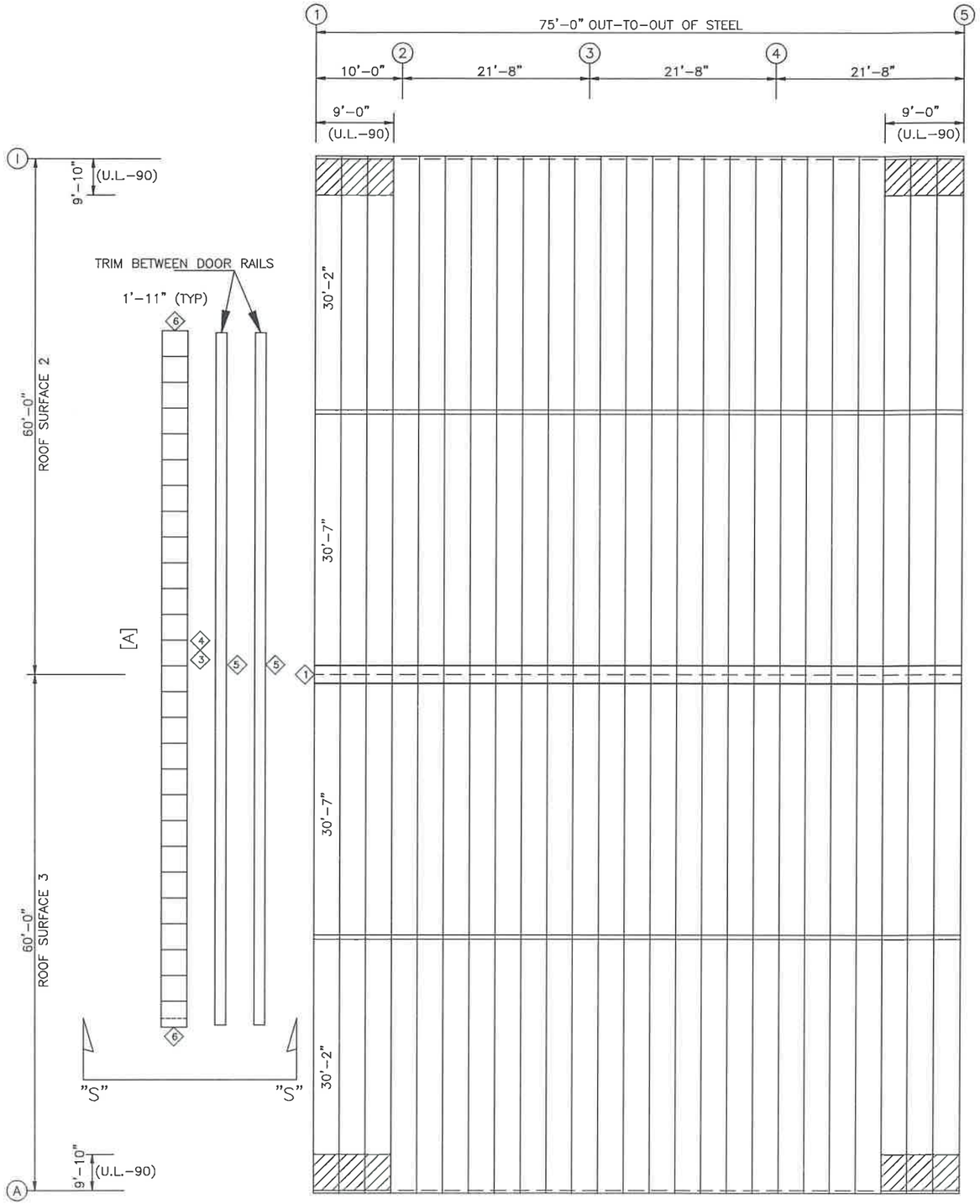
JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

DRAWING NAME: FRAMING DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 5.4	DAR	RAW	NONE

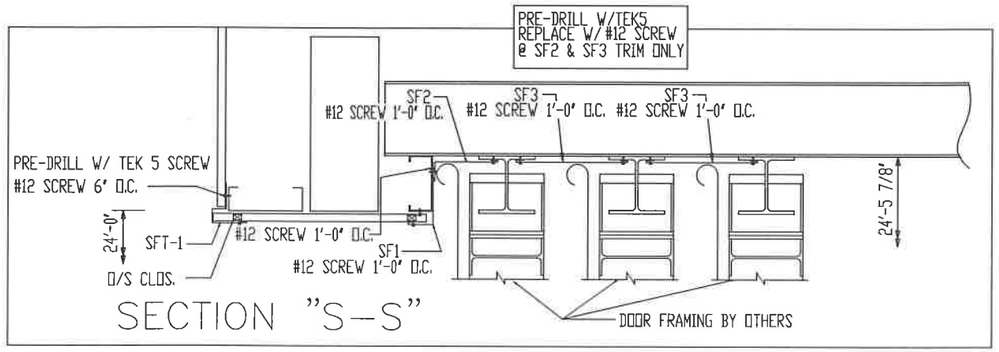
TRIM TABLE ROOF PLAN		
◇ID	PART	LENGTH
1	D/F CAP6	3'-0"
3	SF1	20'-3"
4	SF2	20'-3"
5	SF3	20'-3"
6	R JAMB	1'-10"



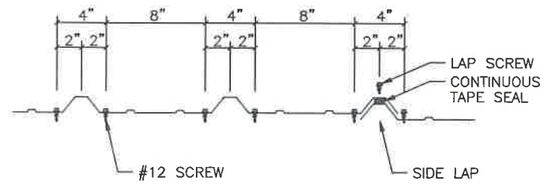
ROOF SHEETING PLAN

PANELS: 26 GA. PBR – GALVALUME

[A] SOFFIT PANELS: 26 GA. PBR – KOKO BROWN



SECTION "S-S"



U.L. 90 SCREW PATTERN AT PANEL END & INTERIOR

= U.L. 90 SCREW PATTERN @ HATCHED IN AREAS WITHIN DIMENSIONS SHOWN ON ROOF SHEETING PLAN.

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

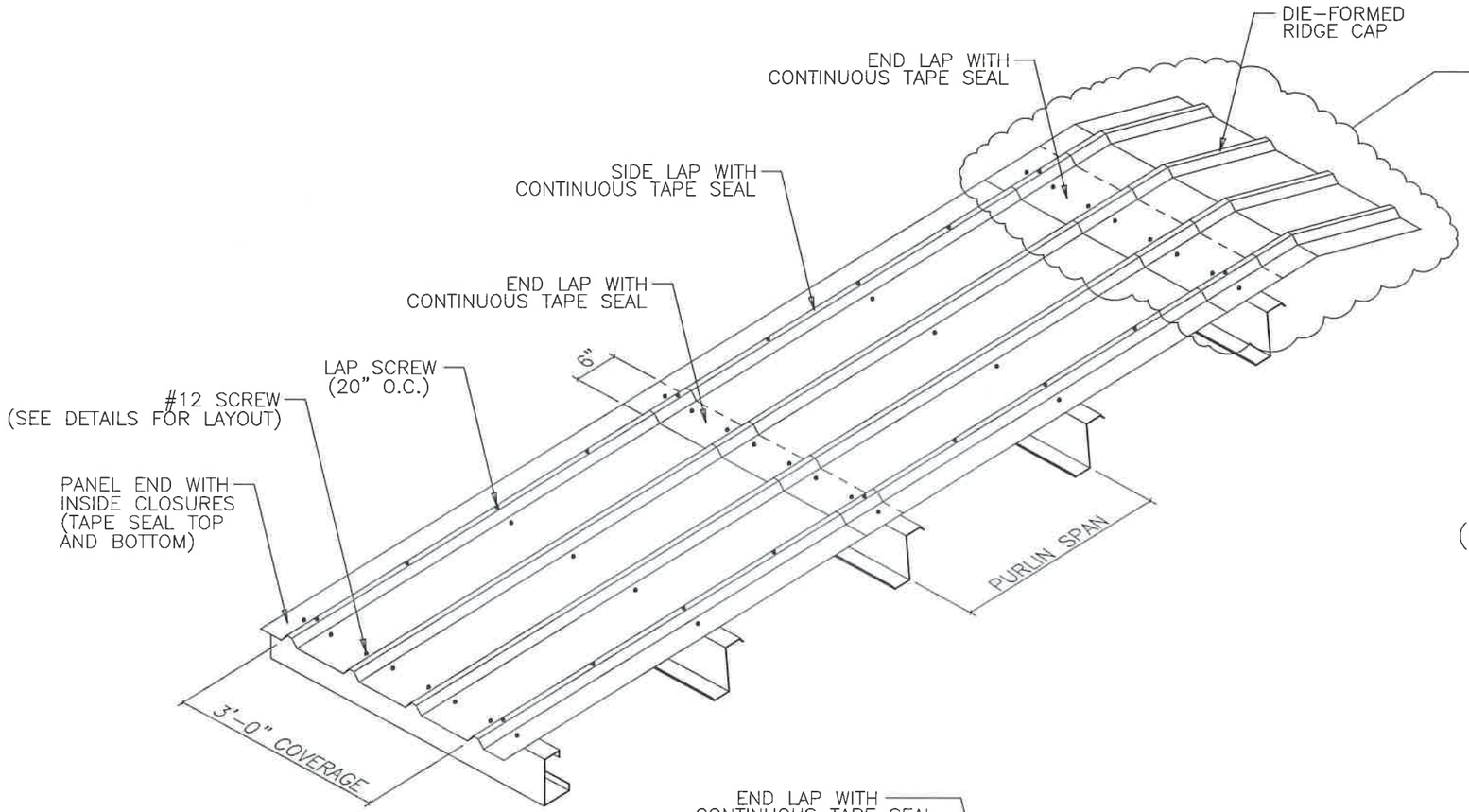
CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

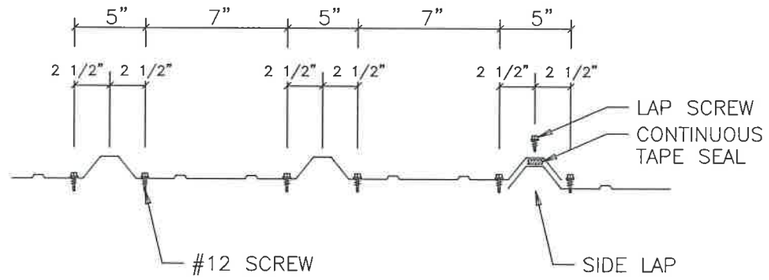
LOCATION: ERWIN, NC 28339

DRAWING NAME: ROOF PANELS & TRIM

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 6	DAR	RAW	NONE

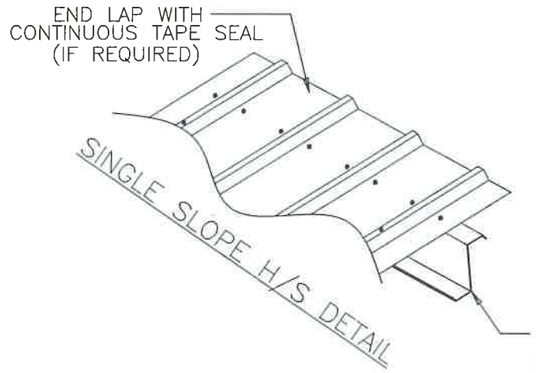


D/F RIDGE SHOWN (GABLED). SEE BELOW FOR ALTERNATE DETAIL TO BE VIEWED WHEN BUILDING IS SINGLE SLOPED.



PANEL ATTACHMENT AT PANEL END
(PEAK PURLIN, EAVE STRUT, AND PANEL END LAPS)

PANEL ATTACHMENT AT INTERMEDIATE MEMBERS



H/S PURLIN SHOWN.
(PURLIN MAY BE SUBSTITUTED WITH AN EAVE STRUT; SEE PLANS)

NOTES:

[1] ALL END LAPS MUST BE A MINIMUM OF 6".

[2] METAL SHAVINGS MUST BE SWEPT FROM THE ROOF EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.

[3] TAPE SEAL MUST BE APPLIED WITH NO GAPS OR BREAKS.

[4] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE PURLINS. #14 LAP SCREWS ARE USED AT THE PANEL-TO-PANEL ATTACHMENTS. ALL FASTENERS ARE SELF-DRILLING.

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

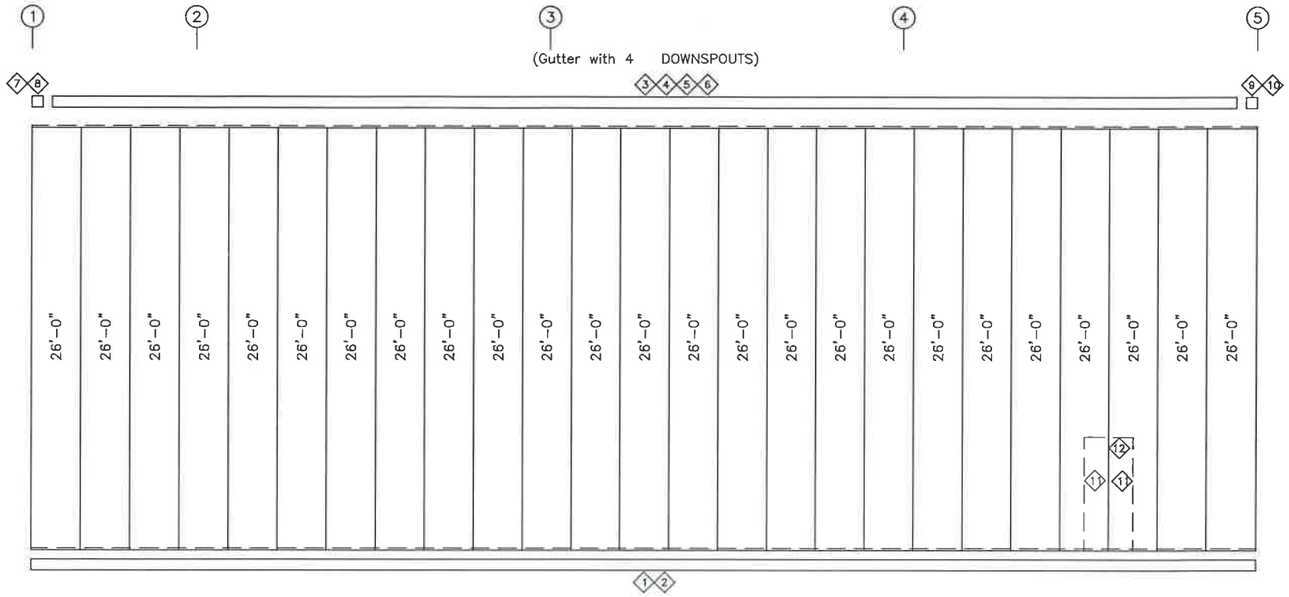
CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

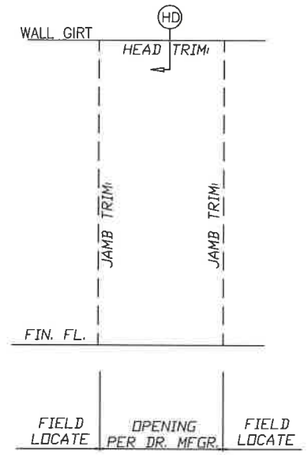
DRAWING NAME: ROOF PANEL DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 6.1	DAR	RAW	NONE



SIDEWALL SHEETING & TRIM: FRAME LINE A

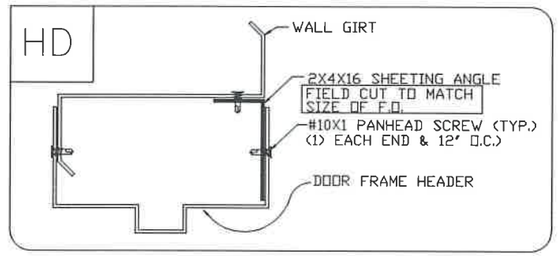
PANELS: 26 GA. PBR – SADDLE TAN

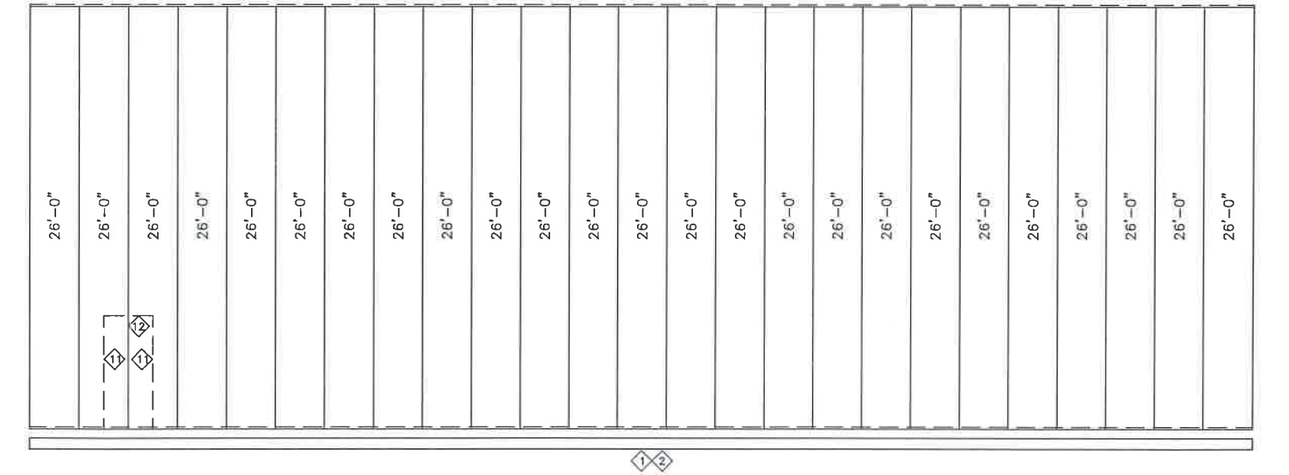


3070 TRIM KIT

1. FIELD CUT AND WORK GIRTS, PANELS, AND TRIM AS REQUIRED.
2. REFER TO DETAIL PAGES FOR APPLICABLE TRIM DETAILS.(DETAIL PAGE 5.1)

TRIM TABLE FRAME LINE A & I			
◇ID	PART	LENGTH	DETAIL
1	DRIP BASE	20'–3"	TRIM_16
2	DRIP BASE	15'–3"	TRIM_16
3	GUTTER	20'–3"	TRIM_1
4	GUTTER	15'–3"	TRIM_1
5	EAVE TRM	20'–3"	TRIM_120
6	EAVE TRM	15'–3"	TRIM_120
7	GUTEND L	1"	TRIM_2
8	CORBOX L	1'–0"	TRIM_2
9	GUTEND R	1"	TRIM_2
10	CORBOX R	1'–0"	TRIM_2
11	R JAMB	7'–3"	TRIM_8
12	R HEAD	3'–3"	TRIM_61





SIDEWALL SHEETING & TRIM: FRAME LINE I

PANELS: 26 GA. PBR – SADDLE TAN

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

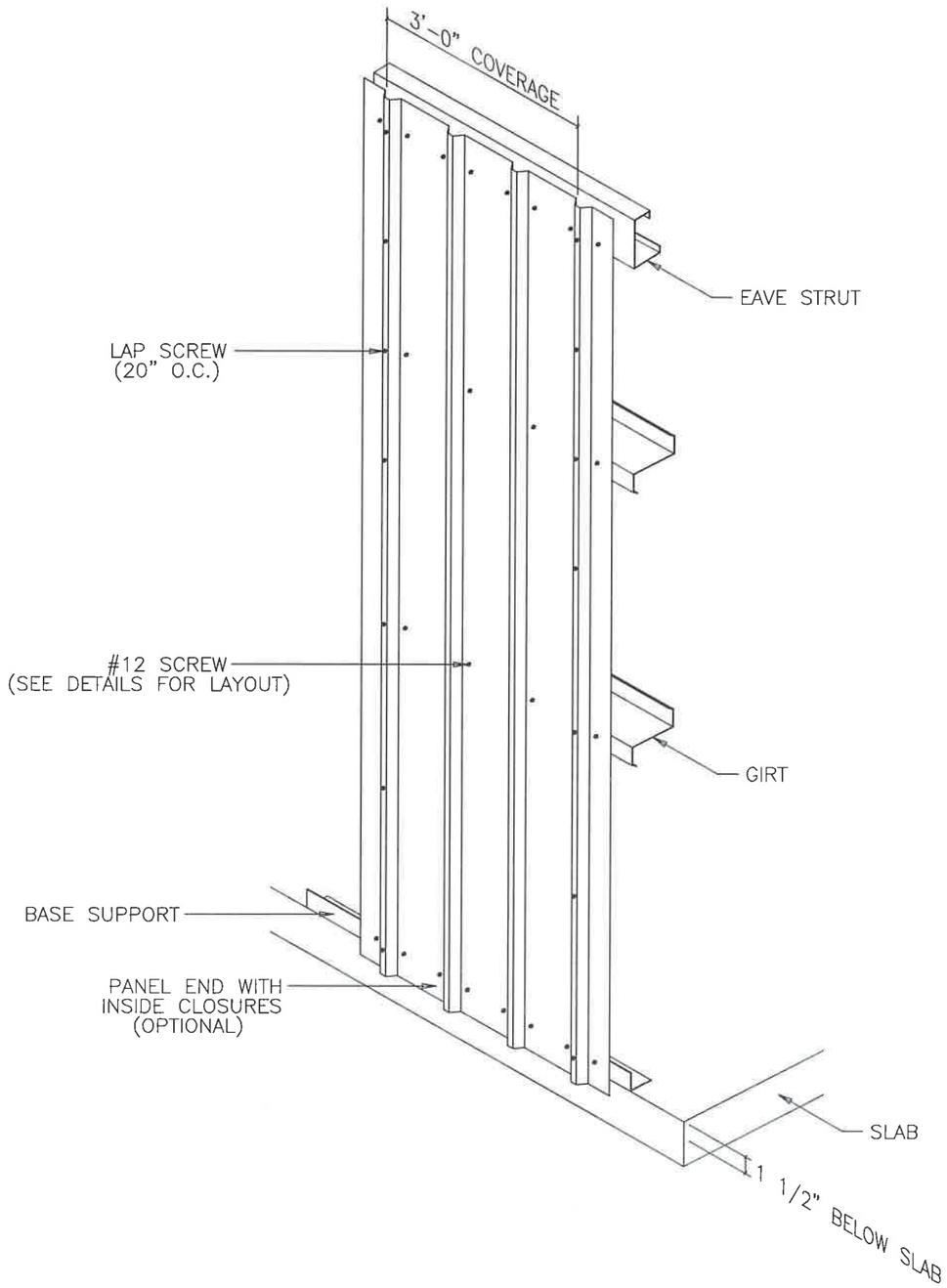
CUSTOMER: ERWIN HANGAR

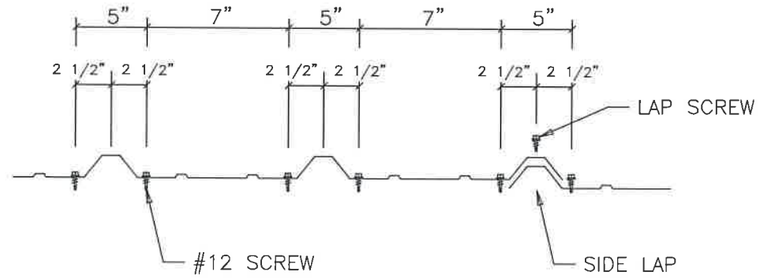
JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

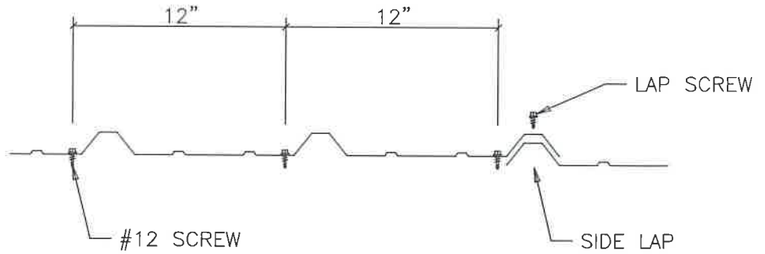
DRAWING NAME: SIDEWALL PANELS & TRIM

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 7	DAR	RAW	NONE

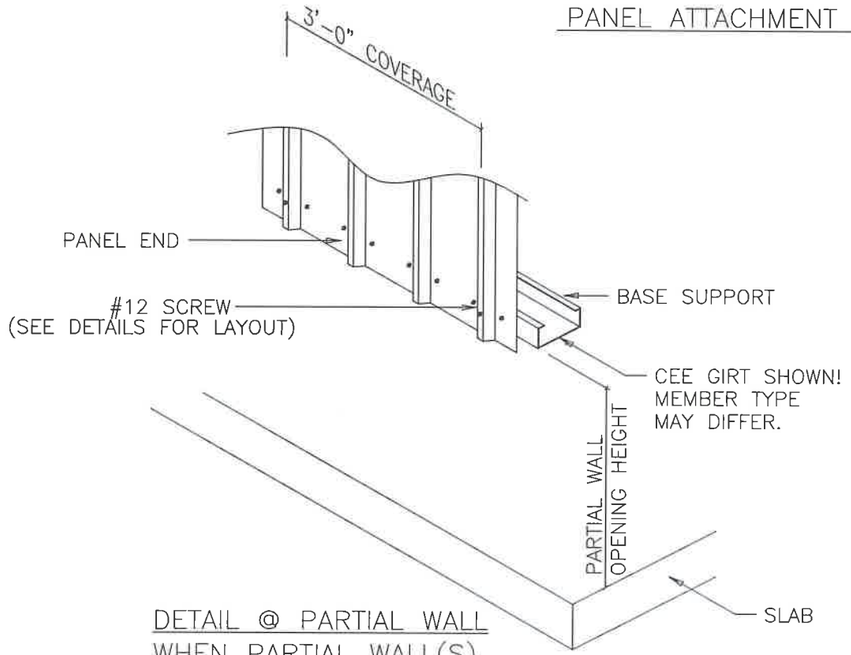




PANEL ATTACHMENT AT PANEL END
(BASE, EAVE STRUT, HEADER, SILL, AND PANEL END LAPS)



PANEL ATTACHMENT AT INTERMEDIATE MEMBERS



DETAIL @ PARTIAL WALL
WHEN PARTIAL WALL(S)
ARE PRESENT

NOTES:

[1] METAL SHAVINGS MUST BE SWEPT FROM THE WALL EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.

[2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE GIRTS. #14 LAP SCREWS ARE USED AT THE PANEL-TO-PANEL ATTACHMENTS. ALL FASTENERS ARE SELF-DRILLING.

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

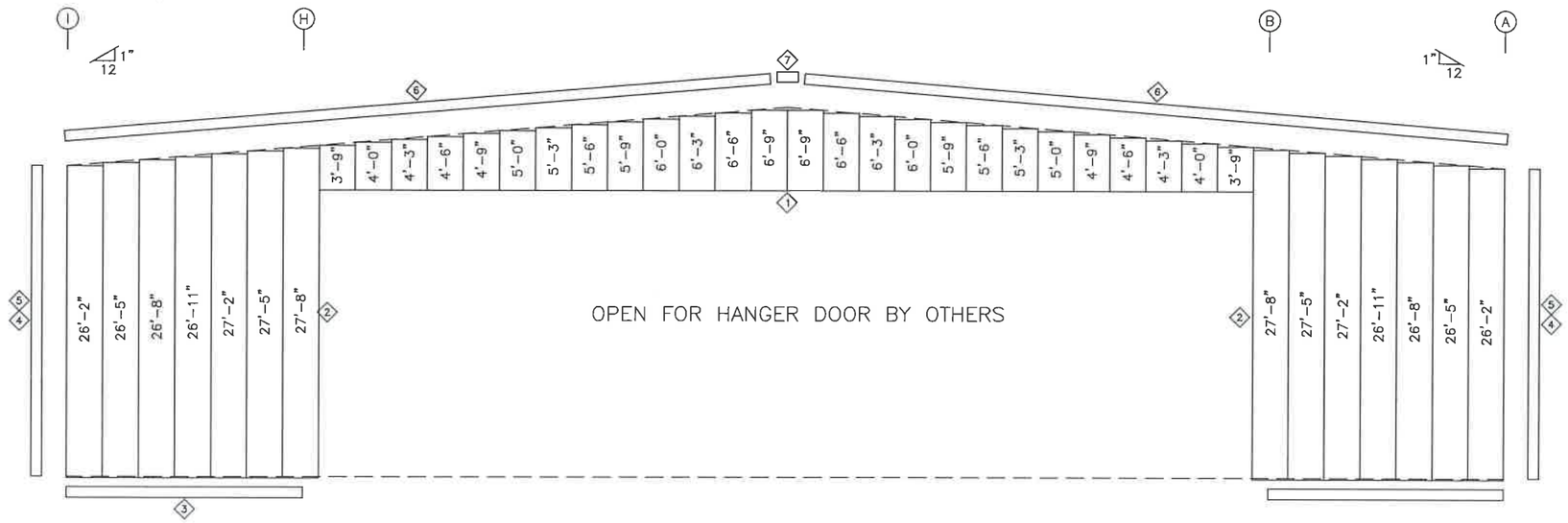
CUSTOMER: ERWIN HANGAR

JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

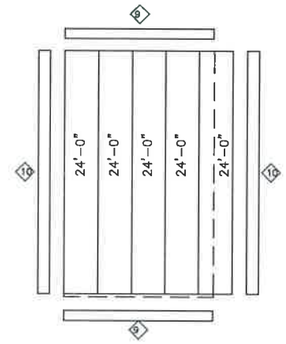
DRAWING NAME: SIDEWALL PANEL DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 7.1	DAR	RAW	NONE



ENDWALL SHEETING & TRIM: FRAME LINE 1

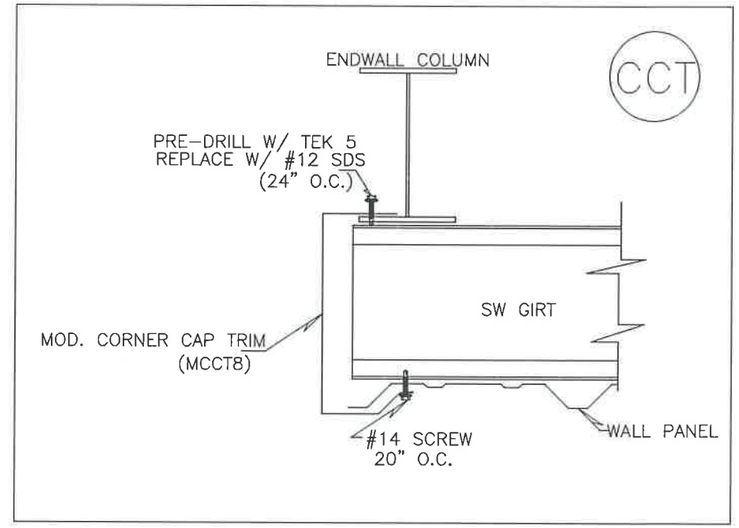
PANELS: 26 GA. PBR – SADDLE TAN

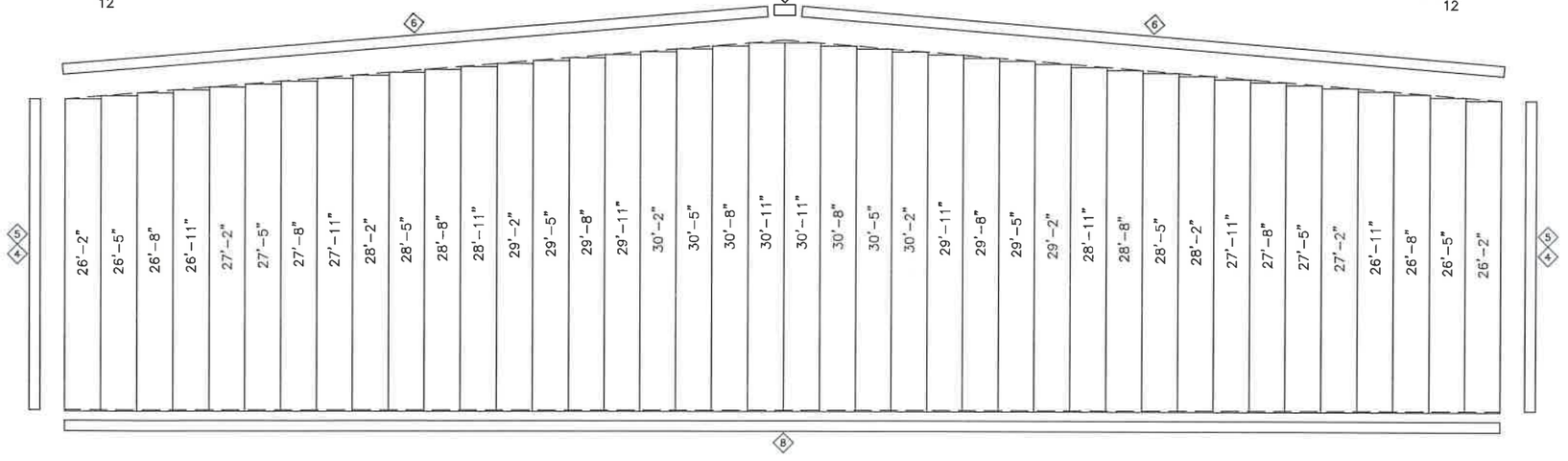


HANGAR DOOR: QTY 6
DOOR FRAMING BY OTHERS
SHEET ON ONE SIDE ONLY
PANELS: 26 GA. PBR – SADDLE TAN

TRIM TABLE
FRAME LINE 1 & 5

◇ID	PART	LENGTH	DETAIL
1	SFT-1	20'-3"	"S-S"/6
2	MCCT8	12'-3"	CCT
3	DRIP BASE	20'-3"	TRIM_16
4	O/S CORN	20'-3"	TRIM_5
5	O/S CORN	6'-5"	TRIM_5
6	RAKE TRM	20'-3"	TRIM_3
7	PEAK BOX	1'-4"	TRIM_4
8	DRIP BASE	20'-3"	TRIM_16
9	R HEAD	13'-7"	
10	R JAMB	12'-3"	





ENDWALL SHEETING & TRIM: FRAME LINE 5

PANELS: 26 GA. PBR – SADDLE TAN

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

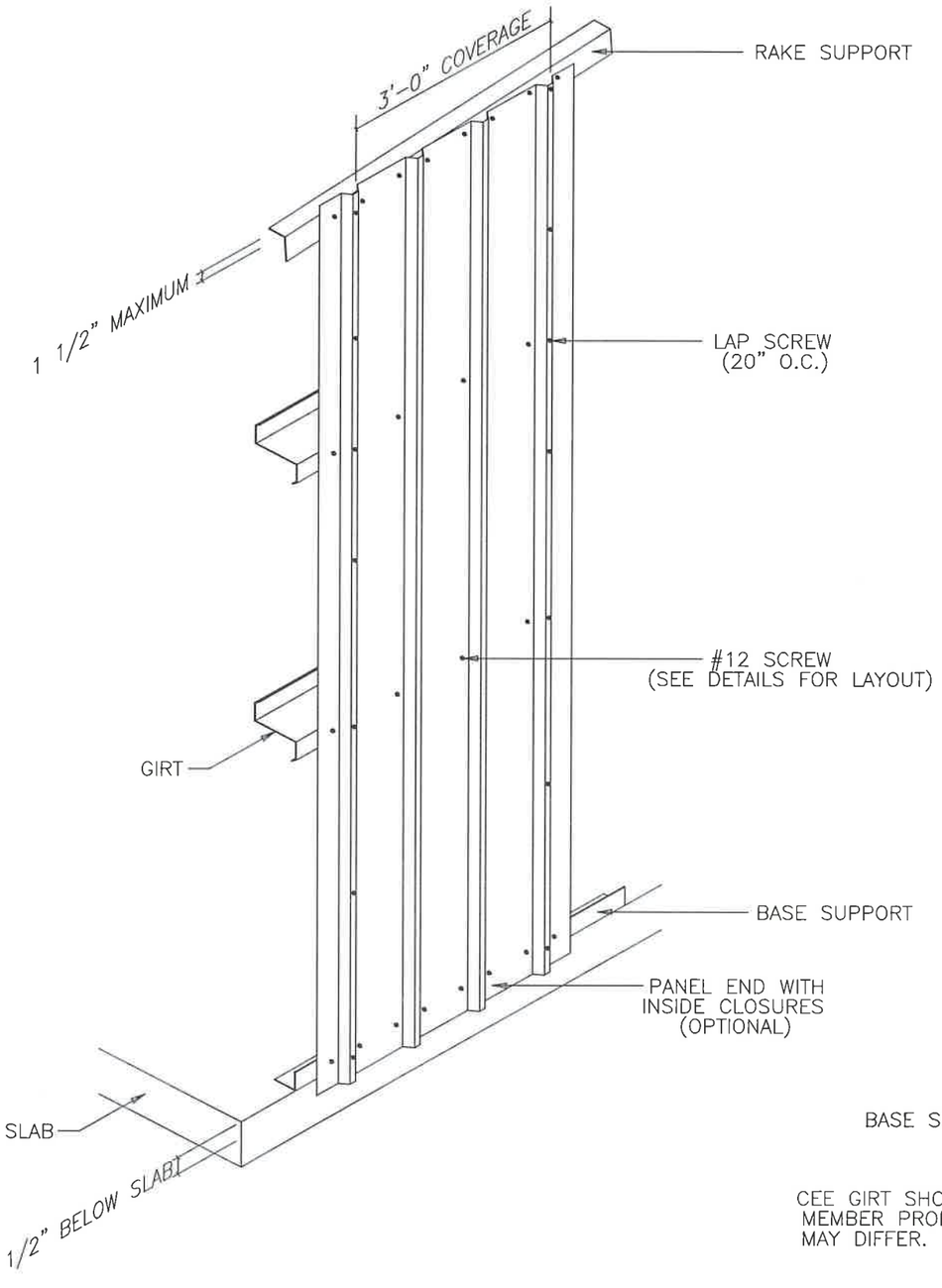
CUSTOMER: ERWIN HANGAR

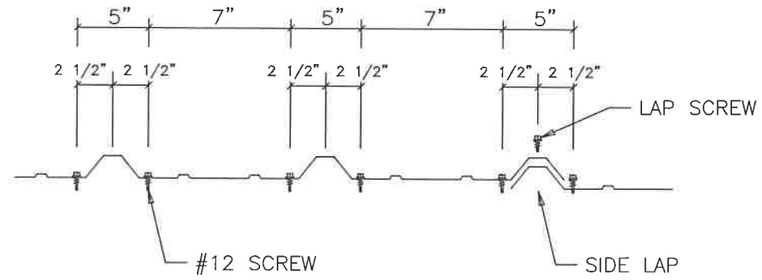
JOB NO: 8245 | DATE: 10/26/23

LOCATION: ERWIN, NC 28339

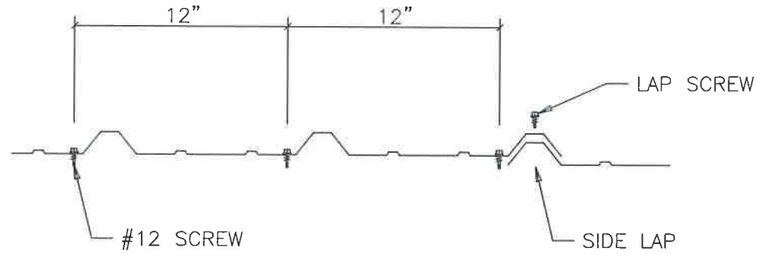
DRAWING NAME: ENDWALL PANELS & TRIM

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 8	DAR	RAW	NONE

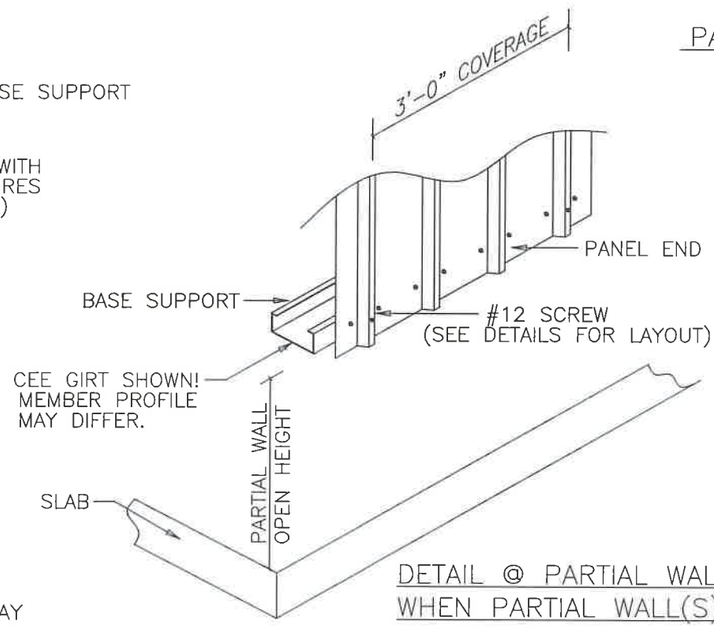




PANEL ATTACHMENT AT PANEL END
(BASE, EAVE STRUT, HEADER, SILL, AND PANEL END LAPS)



PANEL ATTACHMENT AT INTERMEDIATE MEMBERS



DETAIL @ PARTIAL WALL
WHEN PARTIAL WALL(S)
ARE PRESENT

NOTES:

[1] METAL SHAVINGS MUST BE SWEPT FROM THE WALL EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.

[2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE GIRTS. #14 LAP SCREWS ARE USED AT THE PANEL–TO–PANEL ATTACHMENTS. ALL FASTENERS ARE SELF–DRILLING.

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

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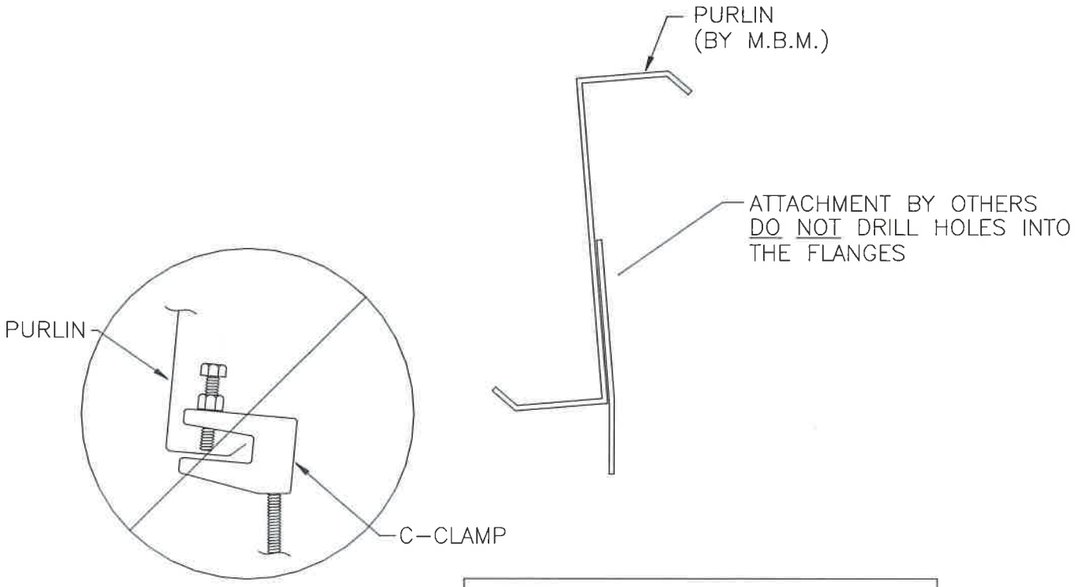
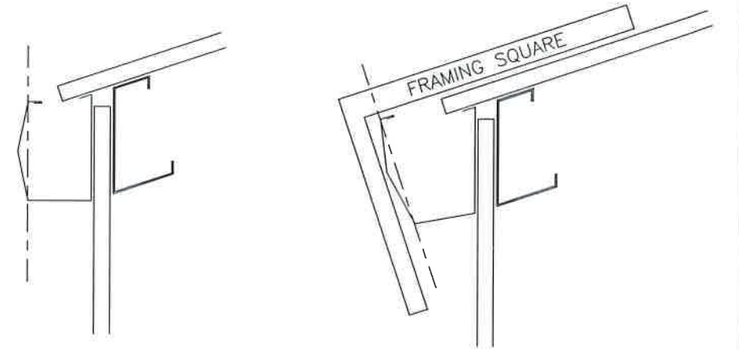
PAGE 8.1	DAR	RAW	NONE



Flange C–Clamp is not an acceptable connection

NOTE: M.B.M. only provides the roof purlin. All other material and hardware is by others.

Recommended Connection Detail



DO NOT INSTALL GUTTER WITH OUTSIDE FACE PERPENDICULAR TO THE GROUND.

INSTALL GUTTER WITH OUTSIDE FACE PERPENDICULAR TO THE ROOF.

GUTTER INSTALLATION DETAIL
(ONLY IF PROVIDED)

NOTE

MANY FACTORS BEYOND THE CONTROL OF THE METAL BUILDING SUPPLIER AFFECT THE ABILITY OF A PURLIN TO SAFELY SUPPORT HANGING LOADS COMBINED WITH OTHER REQUIRED ROOF LOADS. DUE TO THE VARIABLES INVOLVED IN HANGING LOADS AND THEIR ATTACHMENTS TO THE PURLINS, THE METAL BUILDING SUPPLIER CANNOT ASSURE THAT THE PURLINS FOR A PARTICULAR BUILDING PROJECT CAN SAFELY SUPPORT THE MAXIMUM ALLOWABLE HANGING LOADS IN COMBINATION WITH OTHER ROOF LOADS.

IT IS THE RESPONSIBILITY OF THE HANGER SYSTEM INSTALLER TO COORDINATE WITH THE ENGINEER OF RECORD FOR THE OVERALL PROJECT TO ENSURE A SAFE HANGING LOAD INSTALLATION. THE METAL BUILDING ENGINEER IS NOT THE ENGINEER OF RECORD FOR THE OVERALL PROJECT. WITHOUT SPECIFIC CERTIFICATION FOR INDIVIDUAL HANGING LOADS, THE NET EFFECTS OF APPLIED HANGER LOADS INSTALLED ON A PARTICULAR PURLIN SHALL NOT EXCEED THE NET EFFECTS OF THE CERTIFIED UNIFORMLY APPLIED DESIGN COLLATERAL LOAD.

HANGING LOADS SHOULD NOT BE APPLIED TO THE PURLIN LIP. WHERE PERMISSIBLE, THE BEST PRACTICE FOR HANGING LOADS IS TO ATTACH TO THE PURLIN WEB USING A BOLT AND NUT, OR SELF–DRILLING SCREWS.

HANGING UNIFORM LOADS SUCH AS SPRINKLER MAINS OR HVAC EQUIPMENT SHOULD BE DISTRIBUTED OVER SEVERAL PURLINS, AND SHOULD NEVER EXCEED THE COLLATERAL LOAD ALLOWANCE FOR THE ROOF SYSTEM. FOR UNIFORM LOADS THAT RUN PARALLEL TO THE PURLINS, IT MAY BE NECESSARY TO USE TRANSVERSE SUPPORT CHANNELS(A.KA. TRAPEZE BEAMS) ATTACHED TO THE WEBS OR FLANGES OF ADJACENT PURLINS TO SPREAD THE LOAD BETWEEN TWO OR MORE PURLINS. IN SUCH CASES, CONTACT THE BUILDING MANUFACTURER OR A LOCAL PROFESSIONAL ENGINEER PRIOR TO ATTEMPTING TO HANG LOADS FROM THE PURLINS

ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

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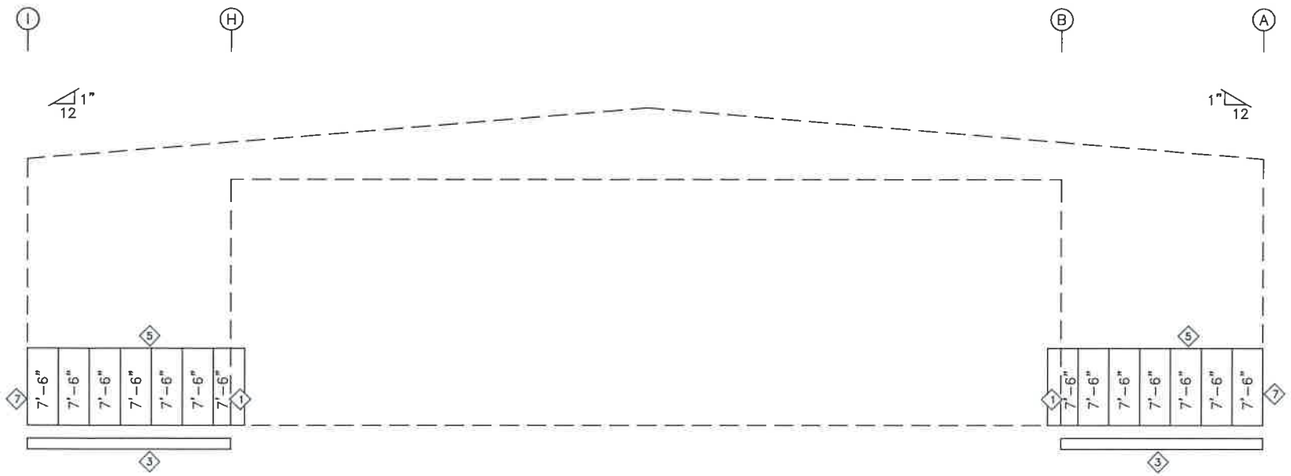
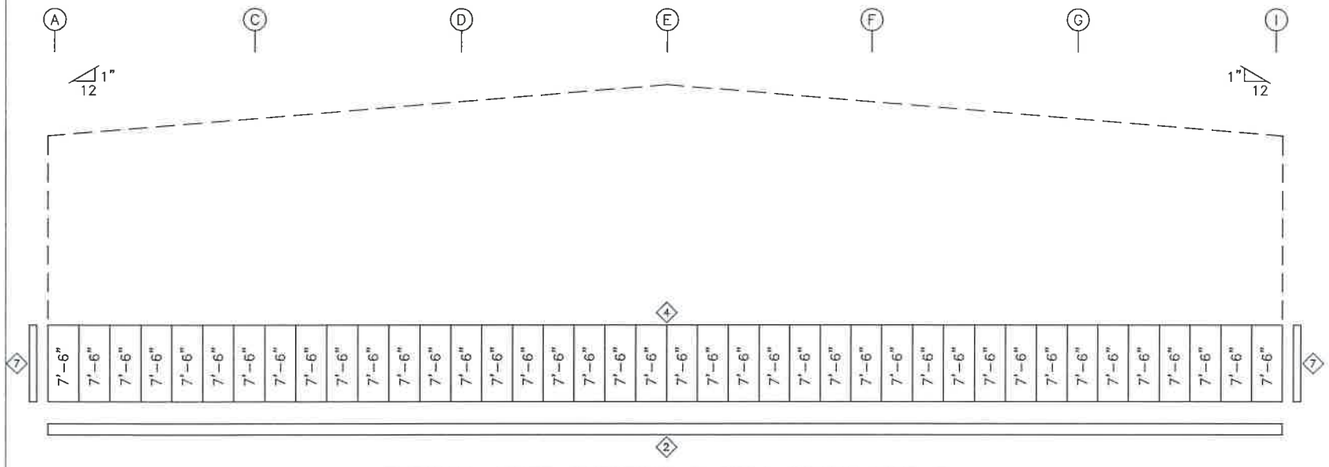
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 9	DAR	RAW	NONE



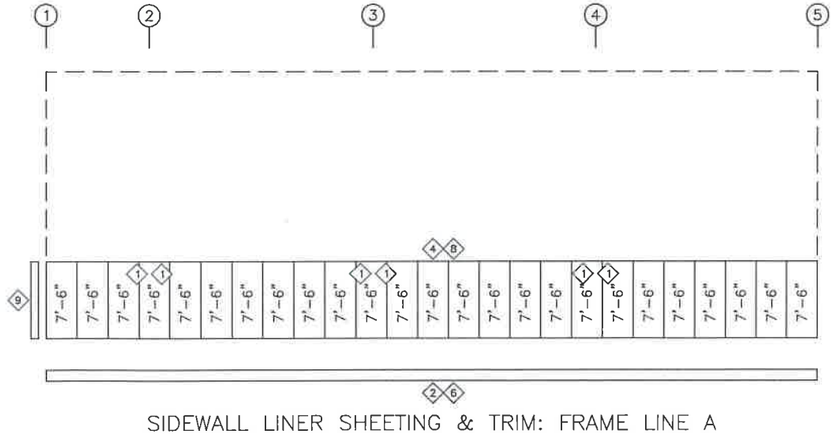
ENDWALL LINER SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. R – POLAR WHITE



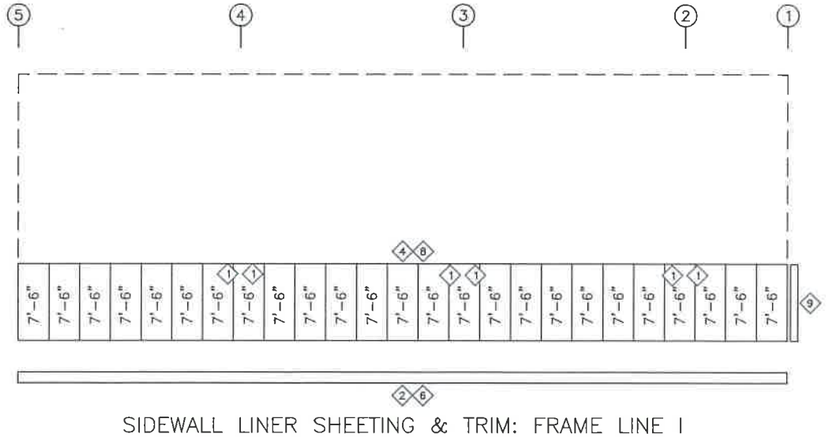
ENDWALL LINER SHEETING & TRIM: FRAME LINE 5

PANELS: 26 Ga. R – POLAR WHITE



SIDEWALL LINER SHEETING & TRIM: FRAME LINE A

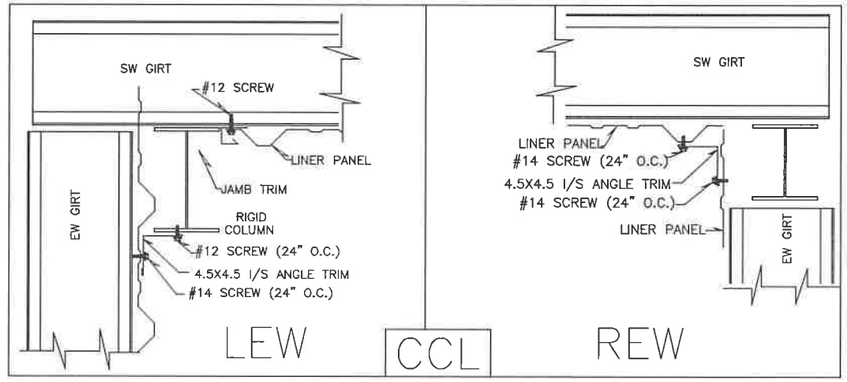
PANELS: 26 Ga. R – POLAR WHITE

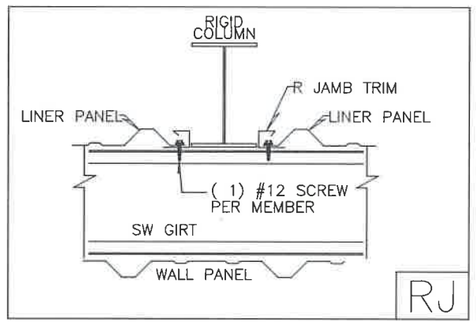


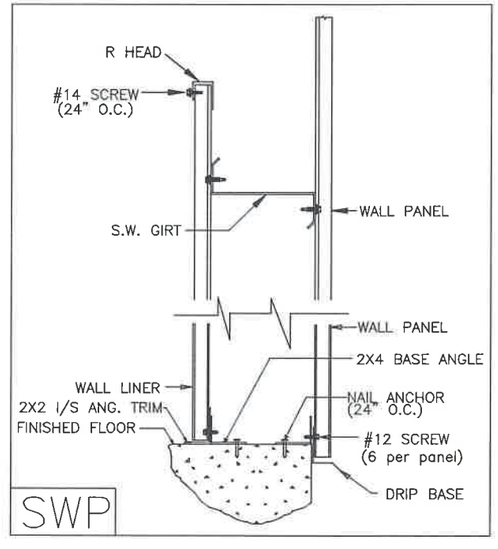
SIDEWALL LINER SHEETING & TRIM: FRAME LINE I

PANELS: 26 Ga. R – POLAR WHITE

TRIM TABLE FRAME LINE 1 A 5 I			
◇ID	PART	LENGTH	DETAIL
1	R JAMB	7'-9"	RJ
2	2x2 I/S	20'-3"	SWP
3	2x2 I/S	19'-11"	SWP
4	R HEAD	20'-3"	SWP
5	R HEAD	19'-11"	SWP
6	2x2 I/S	15'-3"	SWP
7	4.5x4.5 I/S	7'-9"	CCL
8	R HEAD	15'-3"	SWP
9	R JAMB	7'-9"	CCL







ISSUE	DET	CHK	DATE

STEELCOR BUILDINGS

CUSTOMER: ERWIN HANGAR

JOB NO: 8245 DATE: 10/26/23

LOCATION: ERWIN, NC 28339

DRAWING NAME: LINER SHEETING & TRIM

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 10	DAR	RAW	NONE