

BUILDER / CONTRACTOR RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE BUILDER/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.

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

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. 4.2.1 AISC CODE OF STANDARD PRACTICES, 9TH ED.)

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 9TH ED.) 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.

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

PRODUCTS SHIPPED TO BUILDER OR HIS CUSTOMER SHALL BE INSPECTED BY BUILDER IMMEDIATELY UPON ARRIVAL. CLAIMS FOR SHORTAGES OR DEFECTIVE MATERIAL IF NOT PACKAGED MUST BE MAILED 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 BUILDER 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 BUILDER OR HIS CUSTOMER. THE MANUFACTURER WILL BE GIVEN A REASONABLE OPPORTUNITY TO INSPECT DEFECTIVE MATERIALS UPON RECEIPT OF CLAIM BY BUILDER.

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 BUILDER MAY REPAIR OR CAUSE THE MATERIAL TO BE REPAIRED AND THE MANUFACTURER WILL REIMBURSE THE BUILDER FOR THE COST OF THE REPAIR IN ACCORDANCE WITH THE WRITTEN AUTHORIZATION.

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.

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. 7.9.1 AISC CODE OF STANDARD PRACTICE, 9TH ED.)

DESIGN OF GUTTER AND DOWNSPOUT IS A FUNCTION OF THE RAINFALL INTENSITY AND AREA TO BE DRAINED. DESIGN PARAMETERS UTILIZED ARE IN ACCORDANCE WITH THE 1988 LOW RISE BUILDING SYSTEMS MANUAL AND/OR THE 9TH EDITION OF THE ARCHITECTURAL GRAPHIC STANDARDS, AS APPLICABLE. PROPER OWNER MAINTENANCE DICTATES THAT THE DRAINAGE SYSTEM BE KEPT FREE AND CLEAR OF DEBRIS AND/OR ICE AT ALL TIMES TO ENSURE PROPER FUNCTION OF THE GUTTER AND DOWNSPOUT. IN THOSE CASES WHERE THE OWNER/TENANT OF A PROPERTY IS UNWILLING OR UNABLE TO PROVIDE PROPER MAINTENANCE, ELIMINATION OF GUTTER SHOULD BE CONSIDERED AS AN ALTERNATIVE.

PRODUCT CERTIFICATIONS

THE BUILDING MANUFACTURER'S FABRICATION AND PRODUCTS ARE COVERED BY ONE OR MORE OF THE FOLLOWING CERTIFICATIONS:

- 1. CITY OF HOUSTON APPROVED FABRICATOR (REGISTRATION NO. 763)

A325 PRIMARY FRAMING BOLTS

All A325 bolts in primary framing (rigid frames and bracing) may be "snug-tight" except as follows:

- "Fully-pretension" A325 bolts if:**
 - A) Building supports a crane system with a capacity greater than 5 tons.
 - B) Building supports machinery that creates vibration, impact, or stress-reversals on the connections. The Engineer-of-Record for the project should be consulted to evaluate for this condition.
 - C) The project site is located in a high seismic area. For IBC-based codes, "High Seismic Area" is defined as Seismic Design Category of 'D', 'E', or 'F'. See the "Building Loads" section on this page for the defined seismic design category for this project.
 - D) Any connection designated in these drawings as "A325-SC". "Slip-Critical (SC)" connections must be free of paint, oil, or other materials that reduce friction at contact surfaces. Galvanized or light-rusted surfaces are acceptable.

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.
- 3) HAVE ALL INSTANCES OF CHANGE CLEARLY INDICATED.
- 2) BE LEGIBLE AND UNAMBIGUOUS.

B) DATED SIGNATURE IS REQUIRED ON ALL PAGES.

C) MANUFACTURER RESERVES THE RIGHT TO RE-SUBMIT 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.



DESIGN • FABRICATION • ERECTION

32916 FM 529 • BROOKSHIRE, TX 77423 • (281) 375-2020

GENERAL NOTES

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. 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.

- AMERICAN INSTITUTE OF STEEL CONSTRUCTION: "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"
- AMERICAN IRON AND STEEL INSTITUTE: "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
- AMERICAN WELDING SOCIETY: "STRUCTURAL WELDING CODE" AWS D1.1.
- METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL"
- SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL: "STANDARD BUILDING CODE"
- BUILDING OFFICIAL AND CODE ADMINISTRATORS INTERNATIONAL: "BOCA NATIONAL BUILDING CODE"

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 A-572 . FLANGES WITH THICKNESS OF ONE INCH OR LESS AND WIDTH OF 12" OR LESS CONFORM TO A-529 WITH A MINIMUM YIELD POINT OF 55,000 psi. FLANGES GREATER THAN 1" IN THICKNESS OR 12" IN WIDTH CONFORM TO A-572 WITH A MINIMUM YIELD POINT OF 50,000 psi. WEB MATERIAL CONFORMS TO ASTM-A36 MODIFIED WITH A MINIMUM YIELD POINT OF 46,000 psi. MATERIAL PROPERTIES OF PIPE SECTIONS CONFORM TO ASTM-A83 TYPE E, GRADE B WITH A MINIMUM YIELD POINT OF 35,000 psi.

MATERIAL PROPERTIES OF HOT ROLLED STEEL MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM-A36 OR A572 WITH A MINIMUM YIELD POINT OF 50,000 psi.

MATERIAL PROPERTIES OF COLD FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO ASTM-A570 OR A607 GRADE 55 MODIFIED WITH A MINIMUM YIELD POINT OF 57,000 psi.

MATERIAL PROPERTIES OF ROOF/WALL SHEETING, BASE METAL CONFORM TO ASTM-A792 GRADES D OR E WITH MINIMUM YIELD POINTS OF 50,000 psi AND 80,000 psi RESPECTIVELY, AS REQUIRED BY DESIGN. COATING OF BASE MATERIAL IS 55% ALUMINUM-ZINC ALLOY IN ACCORDANCE WITH AZ55 SPECIFICATIONS.

CABLE UTILIZED FOR BRACING CONFORMS TO ASTM A475. CABLE BRACING IS TO BE INSTALLED TO A TAUT CONDITION WITH ALL SLACK REMOVED.

ROD AND ANGLE UTILIZED FOR BRACING MEMBERS CONFORM TO ASTM A36.

STRUCTURAL JOINTS WITH A.S.T.M. A-325 HIGH STRENGTH BOLTS, WHERE INDICATED ON THE DRAWINGS, SHALL BE ASSEMBLED AND THE FASTENERS TIGHTENED IN ACCORDANCE WITH "TURN-OF-NUT" METHOD AS DESCRIBED IN THE SPECIFICATION FOR STRUCTURAL JOINTS USING A.S.T.M. A-325 OR A-490 BOLTS (11-13-85), UNLESS OTHERWISE NOTED. ALL JOINTS WILL BE ASSEMBLED WITHOUT WASHERS UNLESS OTHERWISE NOTED.

ALL STEEL MEMBERS EXCEPT BOLTS, FASTENERS AND CABLE SHALL RECEIVE ONE SHOP COAT OF IRON OXIDE CORROSION INHIBITIVE PRIMER, MEETING THE PERFORMANCE REQUIREMENTS OF TTP-636.

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

THE METAL BUILDING MANUFACTURER WILL IDENTIFY PRIMARY STRUCTURAL STEEL WITH A MINIMUM YIELD POINT GREATER THAN 36,000 PSI BY MEANS OF A STICKER NEAR THE ERECTION MARK ON EACH SHIPPED PIECE.

SECONDARY MEMBERS WITH A YIELD POINT EQUAL TO OR GREATER THAN 33,000 PSI SHALL BE IDENTIFIED BY MEANS OF A STICKER NEAR THE ERECTION MARK ON EACH SHIPPED PIECE.

(THIS IS IN ACCORDANCE TO THE 1997 UBC SECTION 2203, SUB-SECTION 2203.2 AND 2203.3.)

SAFETY COMMITMENT

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.

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 WORKER 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.

BUILDING DESCRIPTION:

BASIC SIZE:	WIDTH	LENGTH	HEIGHT	ROOF PITCH	ENDWALL FRAME TYPE	
					LEFT	RIGHT
DS (MB)	60'-0"	100'-0"	20'-0"	1.0:12	RIGID FRAME	RIGID FRAME
SS (LT1)	15'-0"	100'-0"	20'-0" (HS)	1.0:12	RIGID FRAME	RIGID FRAME
SS (LT2)	15'-0"	100'-0"	20'-0" (HS)	1.0:12	RIGID FRAME	RIGID FRAME

WARNING: IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER. BOTH LEAD AND COPPER HAVE HARMFUL CORROSION EFFECTS ON THE ALUMINUM ZINC ALLOY COATING WHEN THEY ARE USED IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED.

BASE CONDITION:		SHEETING:			BLANKET TYPE INSULATION:		
BASE ANGLE	26	PBR	- SOLAR WHITE	ROOF	NONE <input checked="" type="checkbox"/> BY MANUFACTURER	<input type="checkbox"/> BY OTHERS	<input type="checkbox"/> ROOF <input type="checkbox"/> WALL <input type="checkbox"/> UL-25 <input type="checkbox"/>
	26	PBR	- SADDLE TAN	WALL	ALL SCREWS ARE LONG LIFE		
TAPE SEAL:	26	N/A		SOFFIT	MEMBER ROOF(#12 x 1 1/4" S.D.S)	STITCH ROOF(#14 x 7/8" S.D.S)	ANCHOR BOLTS
1/2" <input checked="" type="checkbox"/>	26	KOKO BROWN		RAKE	MEMBER WALL #12 x 1 1/4" S.D.S)	STITCH WALL #14 x 7/8" S.D.S)	BY OTHERS <input checked="" type="checkbox"/>
1" <input type="checkbox"/>	26	KOKO BROWN		EAVE	RAKE TO ROOF: #14 x 7/8" S.D.S	RAKE TO WALL: #14 x 7/8" S.D.S	BY BUILDING MANUFACTURER <input type="checkbox"/>
WARRANTIES	26	KOKO BROWN		GUTTER	GUTTER TO ROOF: #14 x 7/8" S.D.S	GUTTER STRAPS: #14 x 7/8" S.D.S	
U.L. 90	NO	26	KOKO BROWN	DOWNES	CORNER TRIM: #14 x 7/8" S.D.S	RAKE ANGLE: FASTENER #1A	
20 YR ROOF	NO	26	KOKO BROWN	CORNER	STRUCTURAL PRIMER: RED OXIDE		
20 YR WALL	NO	26	KOKO BROWN	JAMB	ADDITIONAL FEATURES: (3) 3070 WALKDOOR PKG M WHITE - HW9200		

DESIGN REFERENCES

COLD FORMED STEEL DESIGN MANUAL, AISI, 2007

STEEL CONSTRUCTION MANUAL, THIRTEENTH EDITION, AISC

INTERNATIONAL BUILDING CODE, IBC 12 EDITION

DESIGN LOADING

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED BY THE:

IBC 12

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

SPECIFIC LOADS - (SEE STRUCTURAL CALCULATIONS AND FOUNDATION REACTIONS.)

2	USE CATEGORY (Is = 1.0) (Iw = 1.0) (Ie = 1.0)
2,000	PSF DEAD LOAD BLDG. WEIGHT - (PURLINS, PANELS, ETC.)
20.00	PSF ROOF LIVE LOAD (REDUCIBLE)
5	LL REDUCTION ALLOWED: YES
5	PSF GROUND SNOW LOAD
5	PSF COLLATERAL LOAD (CEILINGS, SPRINKLERS, ETC.)
123	MPH WIND SPEED EXPOSURE <u>B</u> (IF APPLICABLE)
.	WIND CLOSURE CATEGORY ENCLOSED
.	COMPONENT WIND LOAD (psf)

CRANE LOAD NONE

SEISMIC DATA :

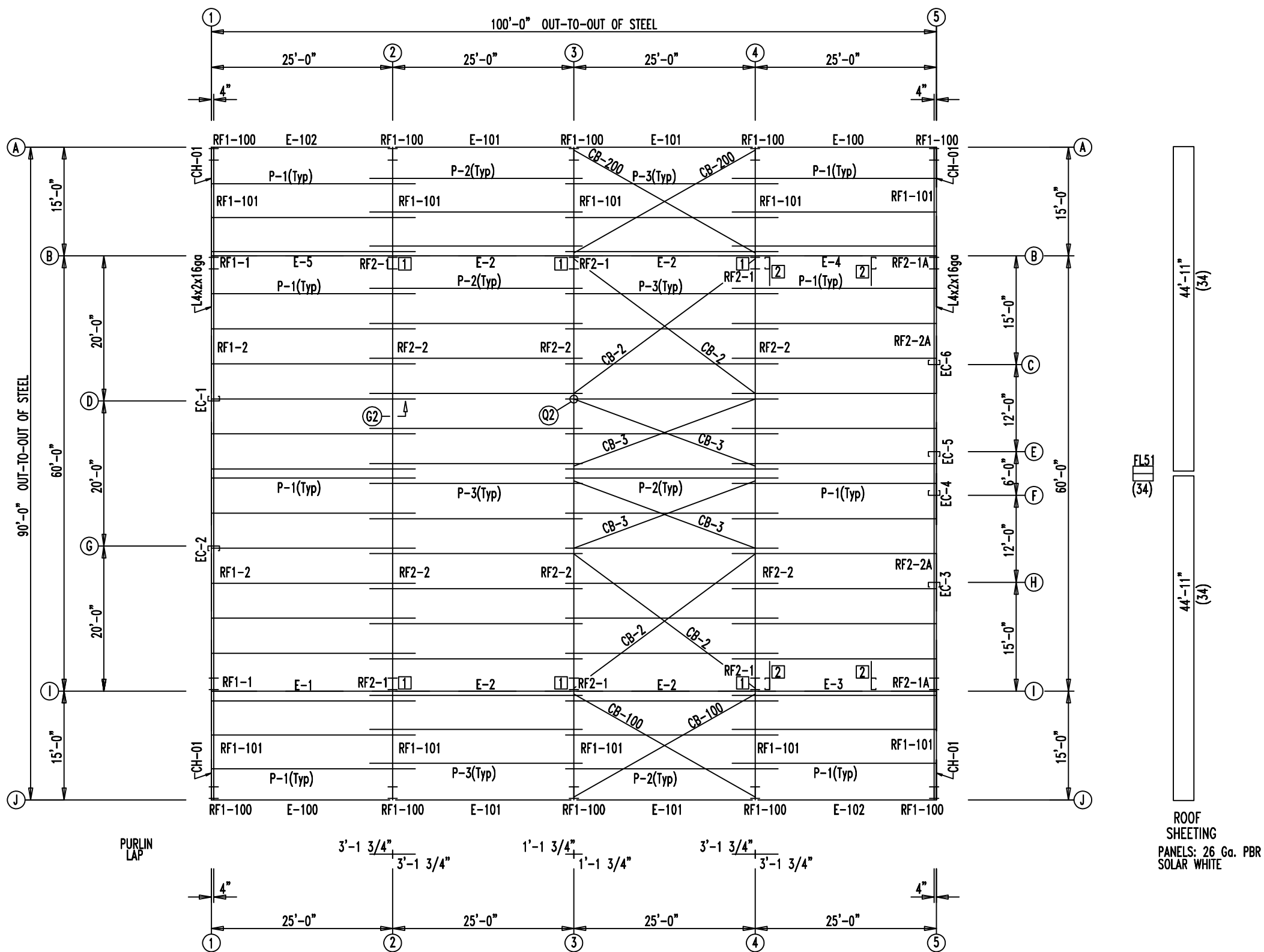
BASED ON: IBC 12

REQUIRED DESIGN DATA

- SEISMIC CRITERIA = $S_s = 7.2$ $S_1 = 3.8$
- SEISMIC HAZARD EXPOSURE GROUP = 0
- SEISMIC PERFORMANCE CATEGORY = A
- SOIL PROFILE TYPE = D SITE COEFF = 0.01
- BASIC STRUCTURAL SYSTEM AND SEISMIC RESISTING SYSTEM = STEEL ORDINARY MOMENT RESISTING FRAME
- RESPONSE MODIFICATION FACTORS: R (FRAMES) = 3
R (BRACING) = X
- DEFLECTION AMPLIFICATION FACTOR: FRAMES: CD =
BRACING: CD = X
- ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE

DRAWING INDEX		
ISSUE	EPAGE	RIGID FRAME CONNECTION
2	COVER	COVER SHEET
2	E1	ROOF FRAMING PLAN
2	E2	BACK SIDEWALL ELEVATION
2	E3	FRONT SIDEWALL ELEVATION
2	E4	BACK SIDEWALL ELEVATION
2	E5	FRONT SIDEWALL ELEVATION
2	E7	LEFT ENDWALL ELEVATIONS
2	E8	RIGHT ENDWALL ELEVATIONS
2	E8	RIGID FRAME CROSS SECTION
2	E9	RIGID FRAME CROSS SECTION
2	E10	RIGID FRAME CROSS SECTION
2	D1	DETAIL DRAWINGS
2	D2	DETAIL DRAWINGS
2	AB1	ANCHOR BOLT PLAN
2	AB2	ANCHOR BOLT DETAILS
2	AB3	ANCHOR BOLT REACTIONS

DRAWING STATUS		REVISIONS				STRAIGHT LINE METAL BUILDINGS		32916 FM 529 BROOKSHIRE, TX 77423 (281) 375-2020				
NO.	DATE	DESCRIPTION	BY	CK'D	DESCRIPTION	SIZE	CUSTOMER	LOCATION	CAD BY			
<input type="checkbox"/>	0	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.			ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D					
<input type="checkbox"/>	1	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.			REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D					
<input checked="" type="checkbox"/>	2	FOR CONSTRUCTION: FINAL DRAWINGS.			FOR CONSTRUCTION	DR	BWH					
					DESCRIPTION		COVER SHEET					
					SIZE		SIZE VARIES (PHASE 1)					
					CUSTOMER		WOLFENBERGER, ENT					
					LOCATION		MONAVILLE, TX 77445		CAD BY			
					DRN. BY	CK'D BY	DATE	SCALE	QUOTE NO.	JOB NO.	SHEET NO.	ISSUE
					DR	BWH	12/3/19	NONE		19-5878	COVER	2



MEMBER TABLE	
ROOF PLAN	
MARK	PART
MAIN	
P-1	8X25Z12
P-2	8X25Z14
P-3	8X25Z14
E-1	E085341L
E-2	E085341L
E-3	E085341L
E-4	E085341L
E-5	E085341L
CB-2	CBL2500
CB-3	CBL2500
LT1	
E-100	E085341L
E-101	E085341L
E-102	E085341L
CB-100	CBL2500

CONNECTION PLATES	
ROOF PLAN	
ID	MARK/PART
1	SC18
2	L4X2X16GA

ROOF FRAMING PLAN

DRAWING STATUS

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FOR CONSTRUCTION: FINAL DRAWINGS.

NO.		DATE		DESCRIPTION	BY	CK'D
0	11/6/19			ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D
1	11/12/19			REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D
2	12/3/19			FOR CONSTRUCTION	DR	BWH



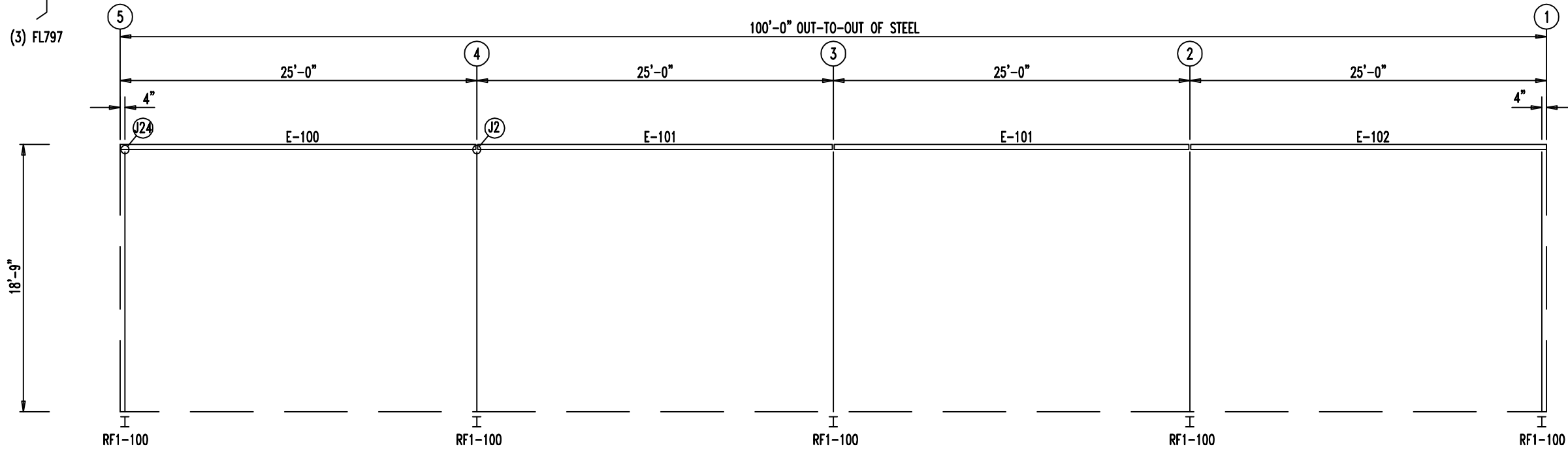
32916 FM 529
BROOKSHIRE, TX 77423
(281) 375-2020

DESCRIPTION		ROOF FRAMING			
SIZE		SIZE VARIES (PHASE 1)			
CUSTOMER		WOLFENBERGER, ENT			
LOCATION		MONAVILLE, TX 77445		CAD BY BAC	
DRN. BY	CK'D BY	DATE	SCALE	QUOTE NO.	JOB NO.
DR	BWH	12/3/19	NONE		19-5878
SHEET NO.		E1 OF 10		ISSUE	
				2	

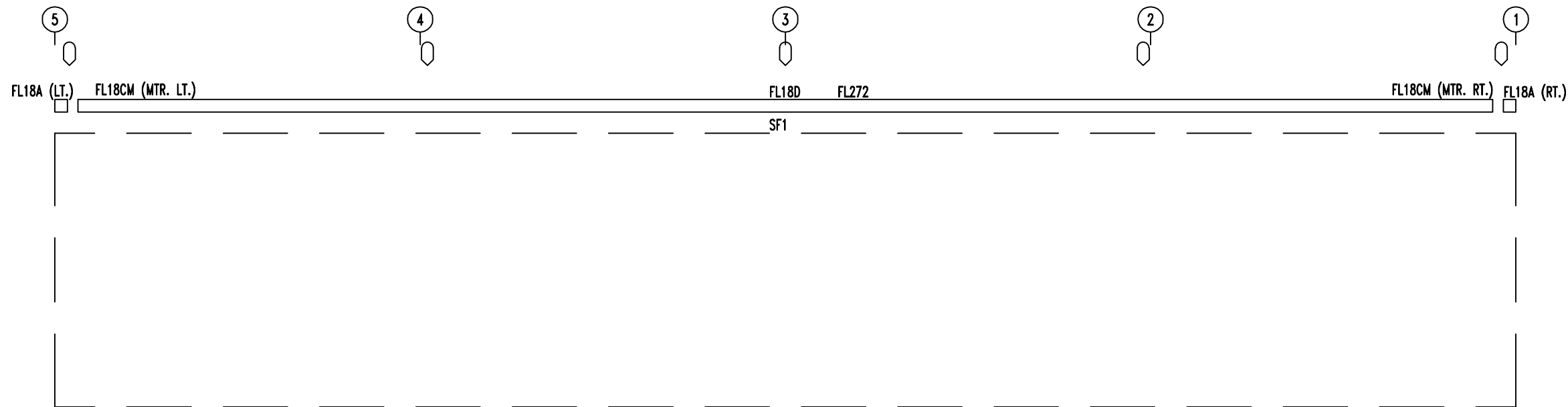
○ DOWNSPOUT LOCATIONS

FL-31G

(3) FL797



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

MEMBER TABLE	
FRAME LINE A	
MARK	PART
E-100	E085341L
E-101	E085341L
E-102	E085341L

DRAWING STATUS

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2	12/3/19			FOR CONSTRUCTION	DR	BWH



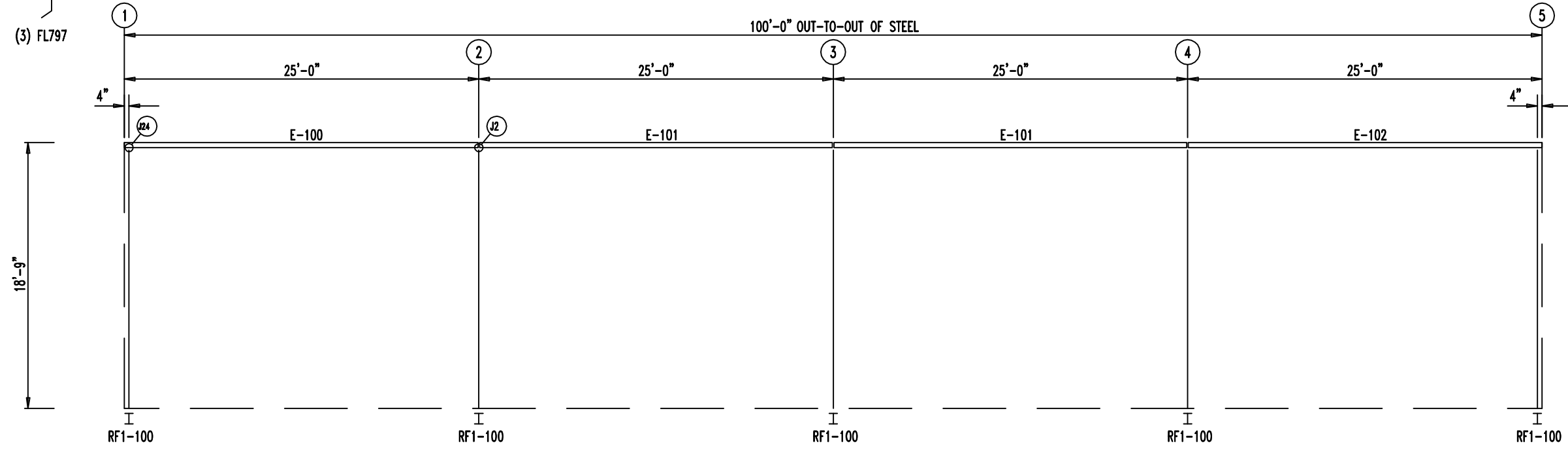
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BROOKSHIRE, TX 77423
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DESCRIPTION		SIDEWALL FRAMING			
SIZE		SIZE VARIES (PHASE 1)			
CUSTOMER		WOLFENBERGER, ENT			
LOCATION		MONAVILLE, TX 77445		CAD BY	BAC
DRN. BY	CK'D BY	DATE	SCALE	QUOTE NO.	JOB NO.
DR	BWH	12/3/19	NONE		19-5878
SHEET NO.		E2 OF 10		ISSUE	
				2	

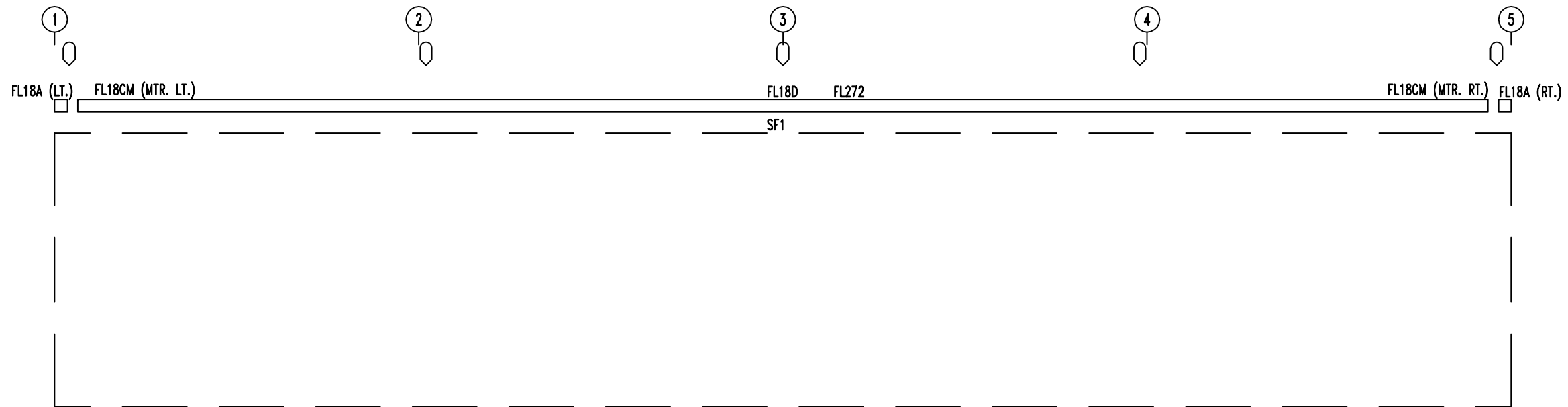
○ DOWNSPOUT LOCATIONS

FL-31G

(3) FL797



SIDEWALL FRAMING: FRAME LINE J



SIDEWALL SHEETING & TRIM: FRAME LINE J

MEMBER TABLE	
FRAME LINE J	
MARK	PART
E-100	E085341L
E-101	E085341L
E-102	E085341L

DRAWING STATUS

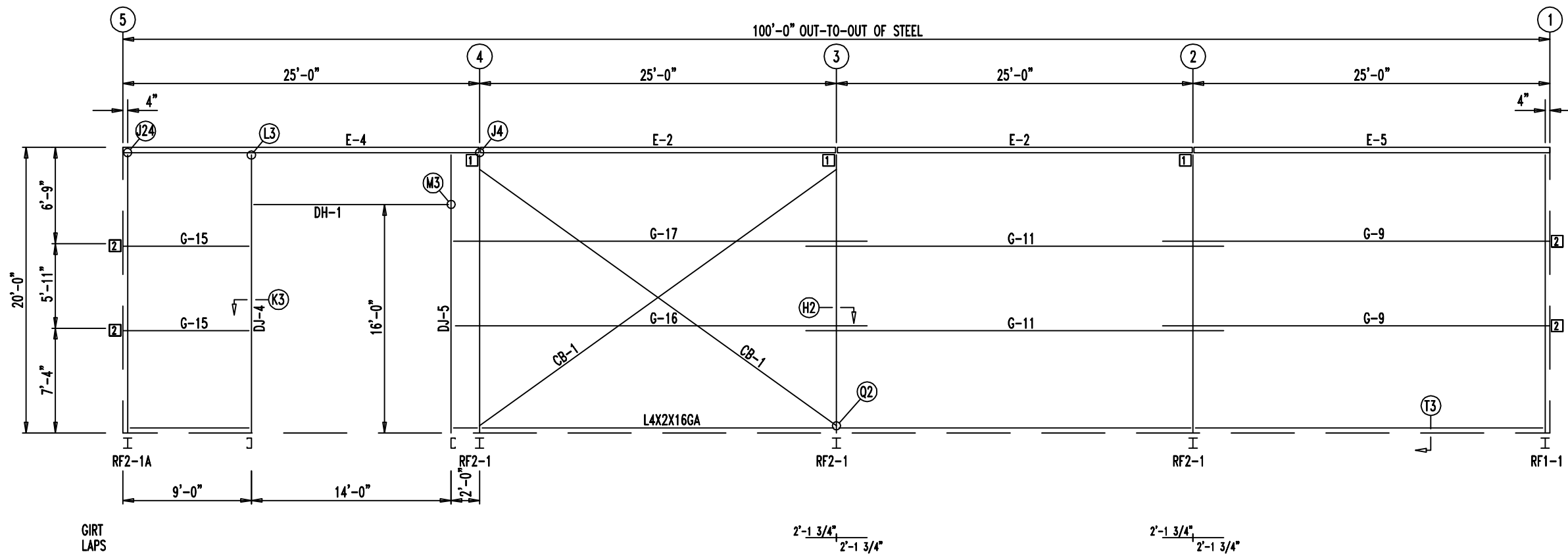
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NO.		DATE		DESCRIPTION	BY	CK'D
0	11/6/19			ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D
1	11/12/19			REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D
2	12/3/19			FOR CONSTRUCTION	DR	BWH



32916 FM 529
BROOKSHIRE, TX 77423
(281) 375-2020

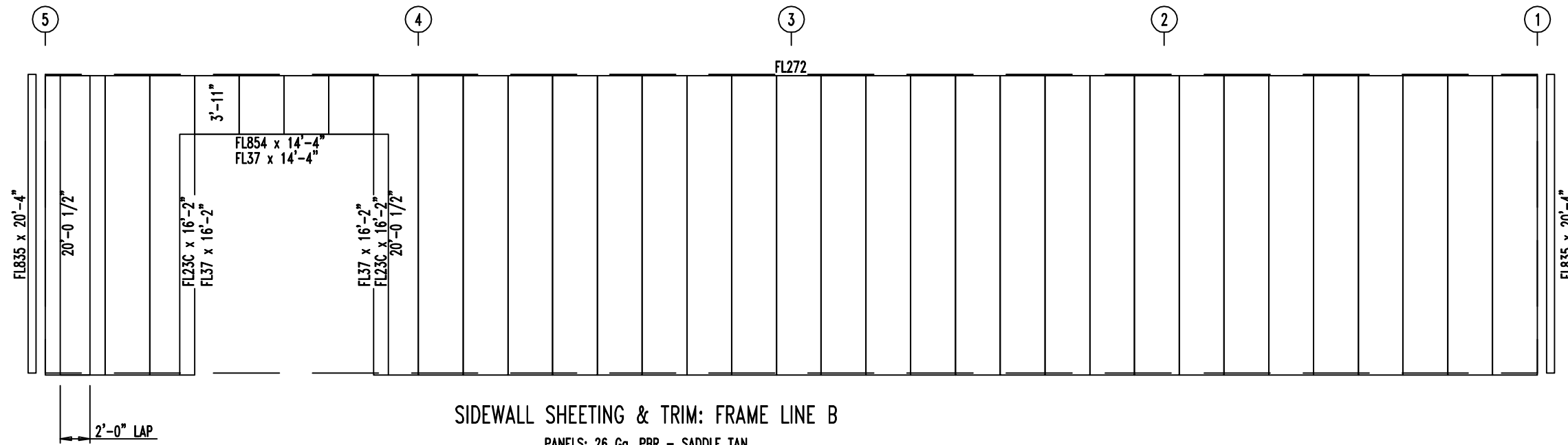
DESCRIPTION		SIDEWALL FRAMING			
SIZE		SIZE VARIES (PHASE 1)			
CUSTOMER		WOLFENBERGER, ENT			
LOCATION		MONAVILLE, TX 77445			
DRN. BY	CK'D BY	DATE	SCALE	QUOTE NO.	JOB NO.
DR	BWH	12/3/19	NONE		19-5878
SHEET NO.		E3 OF 10			
ISSUE		2			



SIDEWALL FRAMING: FRAME LINE B

MEMBER TABLE	
FRAME LINE B	
MARK	PART
DJ-4	8X35c12
DJ-5	8X35c14
DH-1	8X25c16
E-2	E085341L
E-4	E085341L
E-5	E085341L
G-9	8X25Z14
G-11	8X25Z16
G-15	8X25Z16
G-16	8X25Z14
G-17	8X25Z16
CB-1	CBL3750

CONNECTION PLATES	
FRAME LINE B	
ID	MARK/PART
1	SC18
2	SC5



SIDEWALL SHEETING & TRIM: FRAME LINE B

PANELS: 26 Ga. PBR - SADDLE TAN

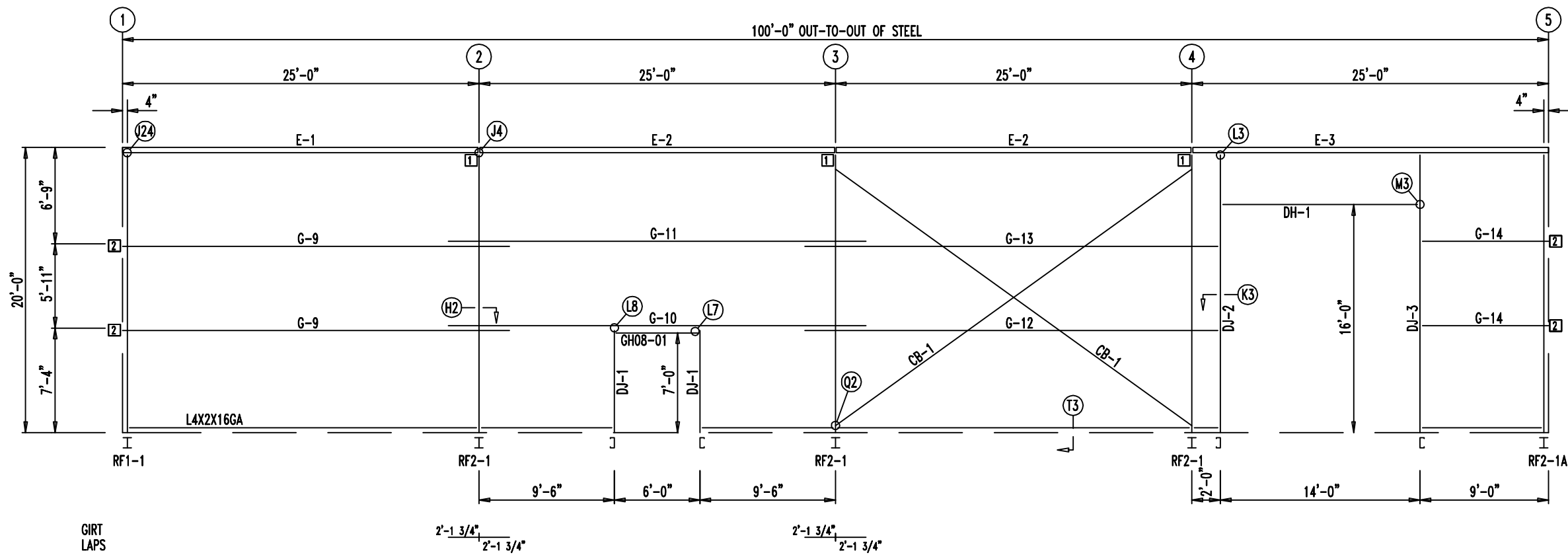
DRAWING STATUS	
<input type="checkbox"/>	FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	FOR CONSTRUCTION: FINAL DRAWINGS.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
0	11/6/19	ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D
1	11/12/19	REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D
2	12/3/19	FOR CONSTRUCTION	DR	BWH

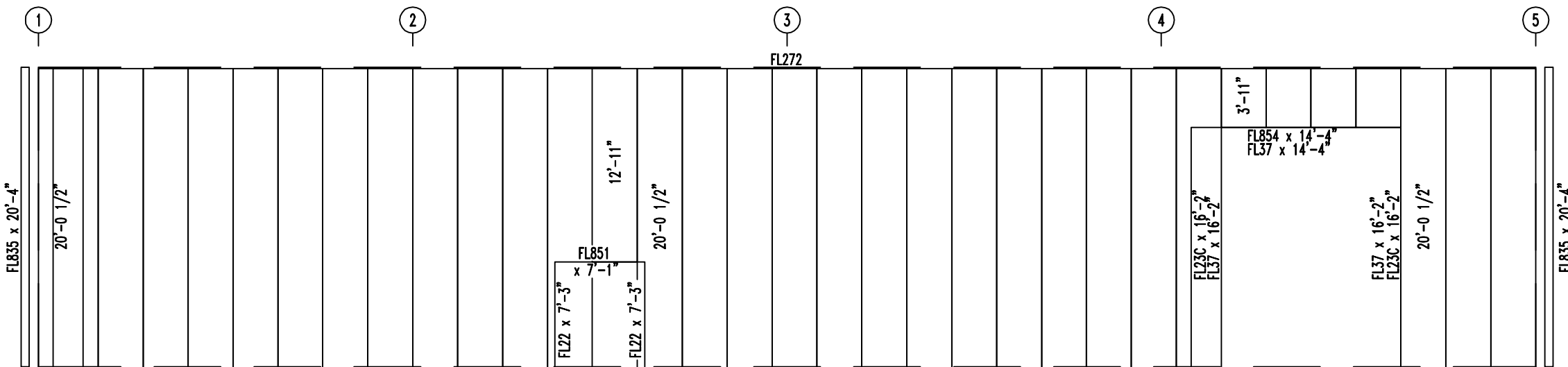


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BROOKSHIRE, TX 77423
(281) 375-2020

DESCRIPTION		SIDEWALL FRAMING			
SIZE		SIZE VARIES (PHASE 1)			
CUSTOMER		WOLFENBERGER, ENT			
LOCATION		MONAVILLE, TX 77445			
DRN. BY	CK'D BY	DATE	SCALE	QUOTE NO.	JOB NO.
DR	BWH	12/3/19	NONE		19-5878
SHEET NO.		E4 OF 10			
ISSUE		2			



SIDEWALL FRAMING: FRAME LINE I



SIDEWALL SHEETING & TRIM: FRAME LINE I

PANELS: 26 Ga. PBR - SADDLE TAN

MEMBER TABLE	
FRAME LINE I	
MARK	PART
DJ-1	8X35c14
DJ-2	8X35c14
DJ-3	8X35c12
DH-1	8X25c16
GH08-01	8 1/4c6x4x14ga
E-1	E085341L
E-2	E085341L
E-3	E085341L
G-9	8X25Z14
G-10	8X25Z16
G-11	8X25Z16
G-12	8X25Z14
G-13	8X25Z16
G-14	8X25Z16
CB-1	CBL3750

CONNECTION PLATES	
FRAME LINE I	
ID	MARK/PART
1	SC18
2	SC5

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.
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- FOR CONSTRUCTION: FINAL DRAWINGS.

NO.		DATE		DESCRIPTION	BY	CK'D
0	11/6/19			ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D
1	11/12/19			REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D
2	12/3/19			FOR CONSTRUCTION	DR	BWH

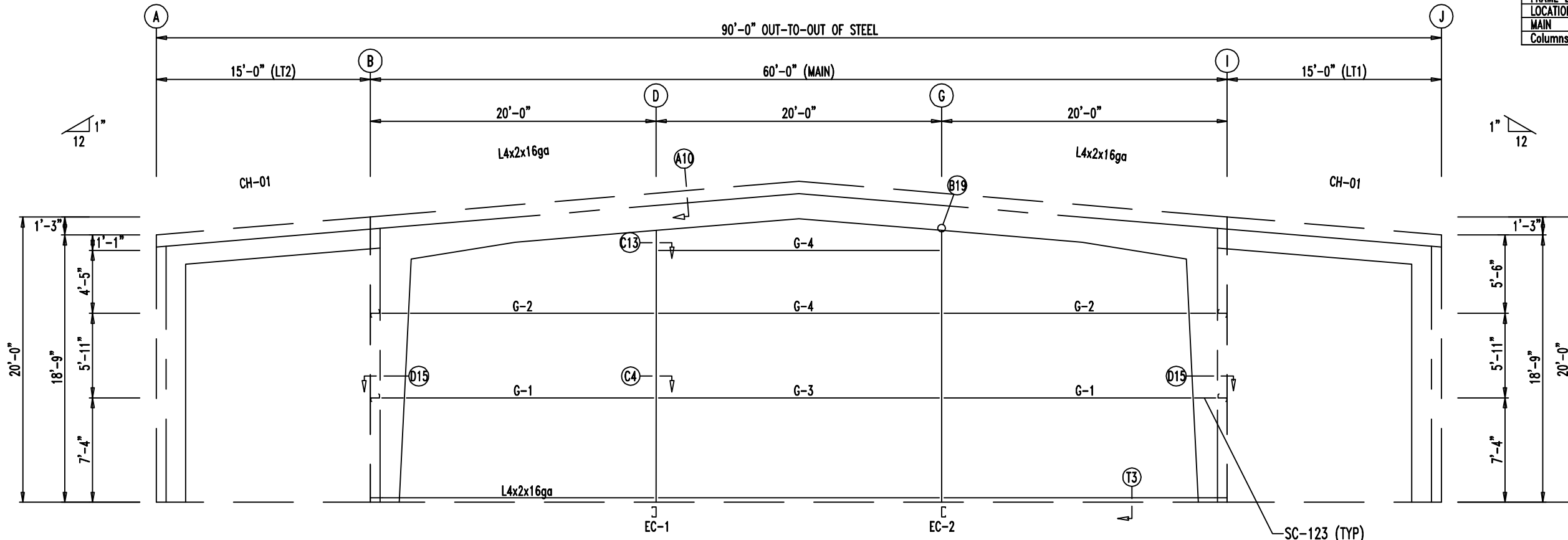


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BROOKSHIRE, TX 77423
(281) 375-2020

DESCRIPTION		SIDEWALL FRAMING			
SIZE		SIZE VARIES (PHASE 1)			
CUSTOMER		WOLFENBERGER, ENT			
LOCATION		MONAVILLE, TX 77445			
DRN. BY	CK'D BY	DATE	SCALE	QUOTE NO.	JOB NO.
DR	BWH	12/3/19	NONE		19-5878
SHEET NO.		ISSUE			
E5 OF 10		2			

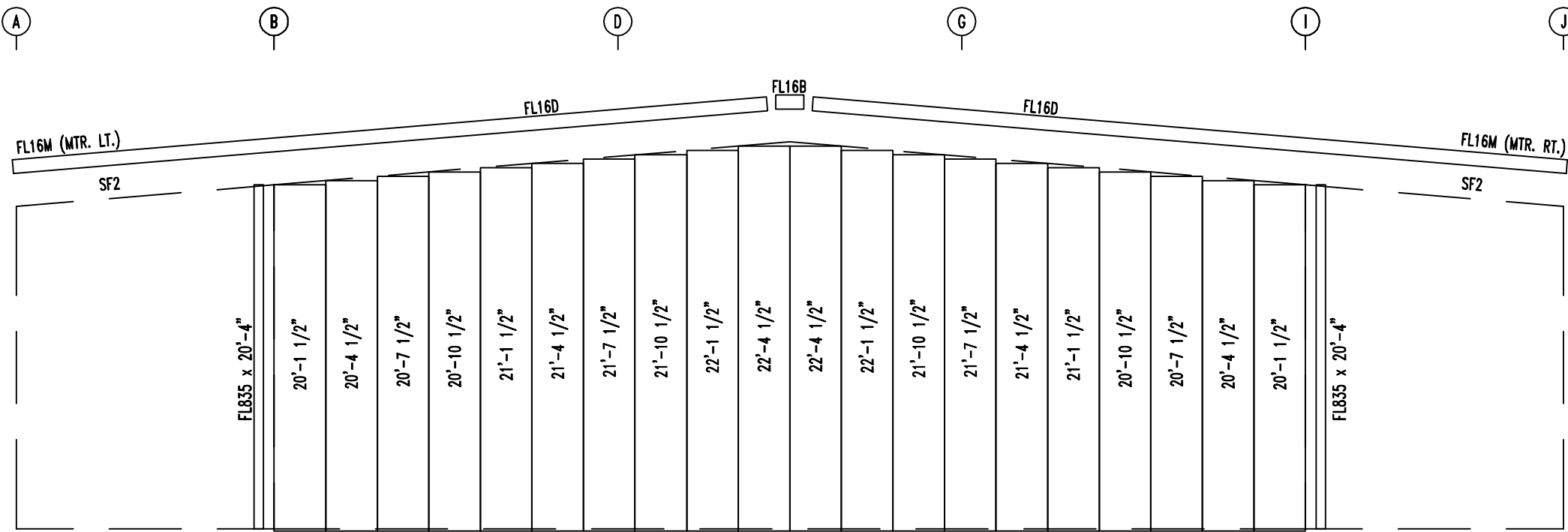
BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
MAIN				
Columns/Raf	2	A325	5/8"	1 1/2"

MEMBER TABLE	
FRAME LINE 1	
MARK	PART
MAIN	
EC-1	12X35c12
EC-2	12X35c12
G-1	8X25Z12
G-2	8X25Z12
G-3	8X25Z12
G-4	8X25Z16



ENDWALL FRAMING: FRAME LINE 1

SC-123 (TYP)
(FIELD CUT TO LENGTHS AS REQ'D.)



ENDWALL SHEETING & TRIM: FRAME LINE 1
PANELS: 26 Ga. PBR - SADDLE TAN

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:
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FOR CONSTRUCTION:
FINAL DRAWINGS.

NO.		DATE		REVISIONS		BY	CK'D
0	11/6/19			ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D	
1	11/12/19			REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D	
2	12/3/19			FOR CONSTRUCTION	DR	BWH	

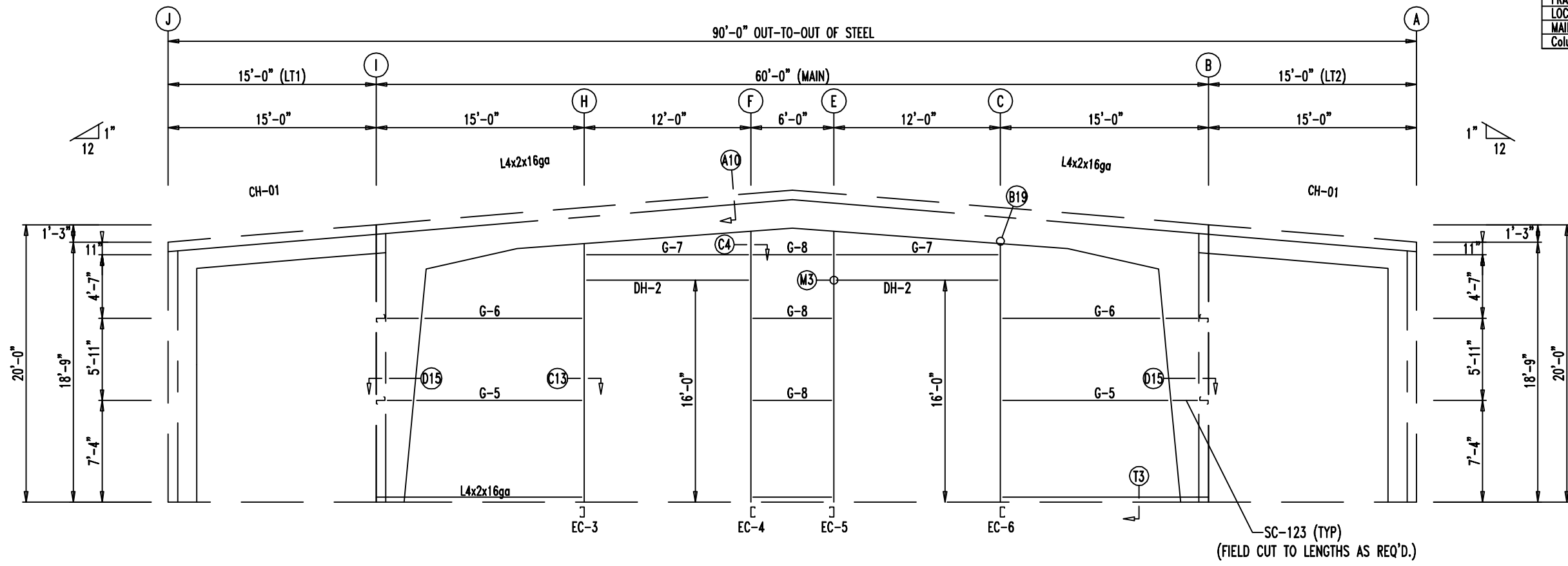


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BROOKSHIRE, TX 77423
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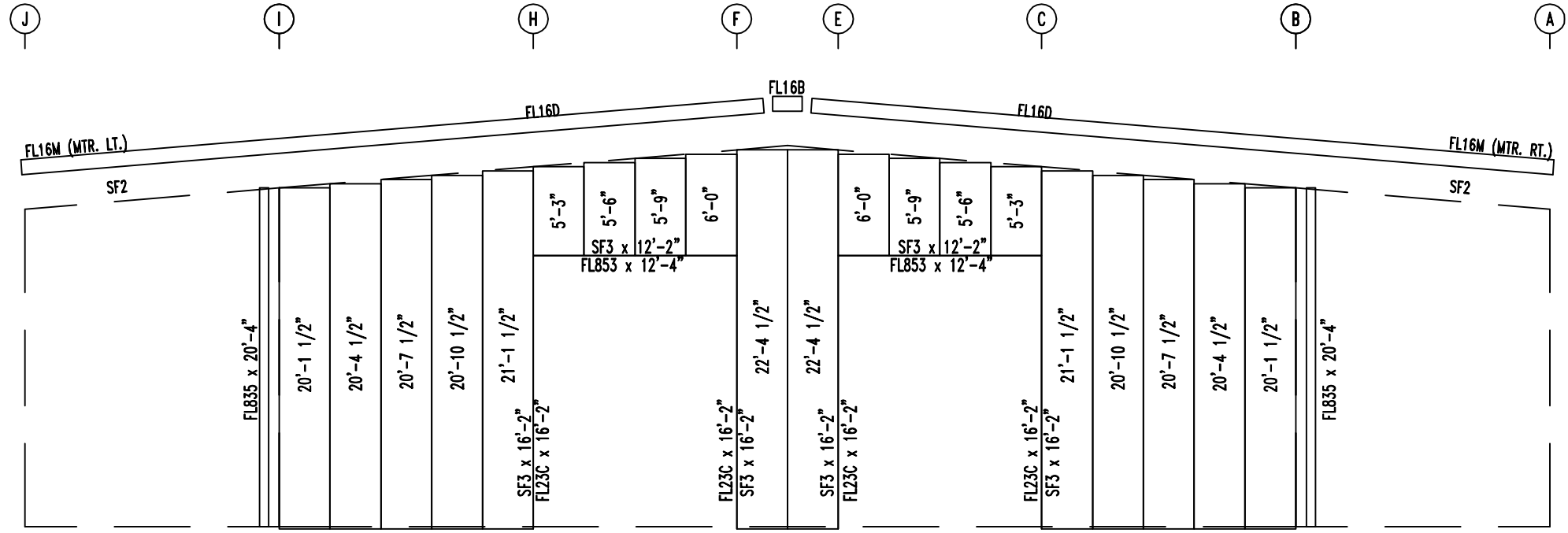
DESCRIPTION		ENDWALL FRAMING	
SIZE		SIZE VARIES (PHASE 1)	
CUSTOMER		WOLFENBERGER, ENT	
LOCATION		MONAVILLE, TX 77445	
DRN. BY	CK'D BY	DATE	SCALE
DR	BWH	12/3/19	NONE
QUOTE NO.	JOB NO.	SHEET NO.	ISSUE
	19-5878	E6 OF 10	2

BOLT TABLE				
FRAME LINE 5				
LOCATION	QUAN	TYPE	DIA	LENGTH
MAIN				
Columns/Raf	2	A325	5/8"	1 1/2"

MEMBER TABLE	
FRAME LINE 5	
MARK	PART
MAIN	
EC-3	12X35c14
EC-4	12X35c14
EC-5	12X35c14
EC-6	12X35c14
DH-2	12X35c14
G-5	8X25Z16
G-6	8X25Z16
G-7	8X25Z16
G-8	8X25Z16



ENDWALL FRAMING: FRAME LINE 5



ENDWALL SHEETING & TRIM: FRAME LINE 5
PANELS: 26 Ga. PBR - SADDLE TAN

DRAWING STATUS		REVISIONS				
<input type="checkbox"/>	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.	NO.	DATE	DESCRIPTION	BY	CK'D
<input type="checkbox"/>	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.	0	11/6/19	ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D
<input type="checkbox"/>	FOR CONSTRUCTION: FINAL DRAWINGS.	1	11/12/19	REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D
		2	12/3/19	FOR CONSTRUCTION	DR	BWH



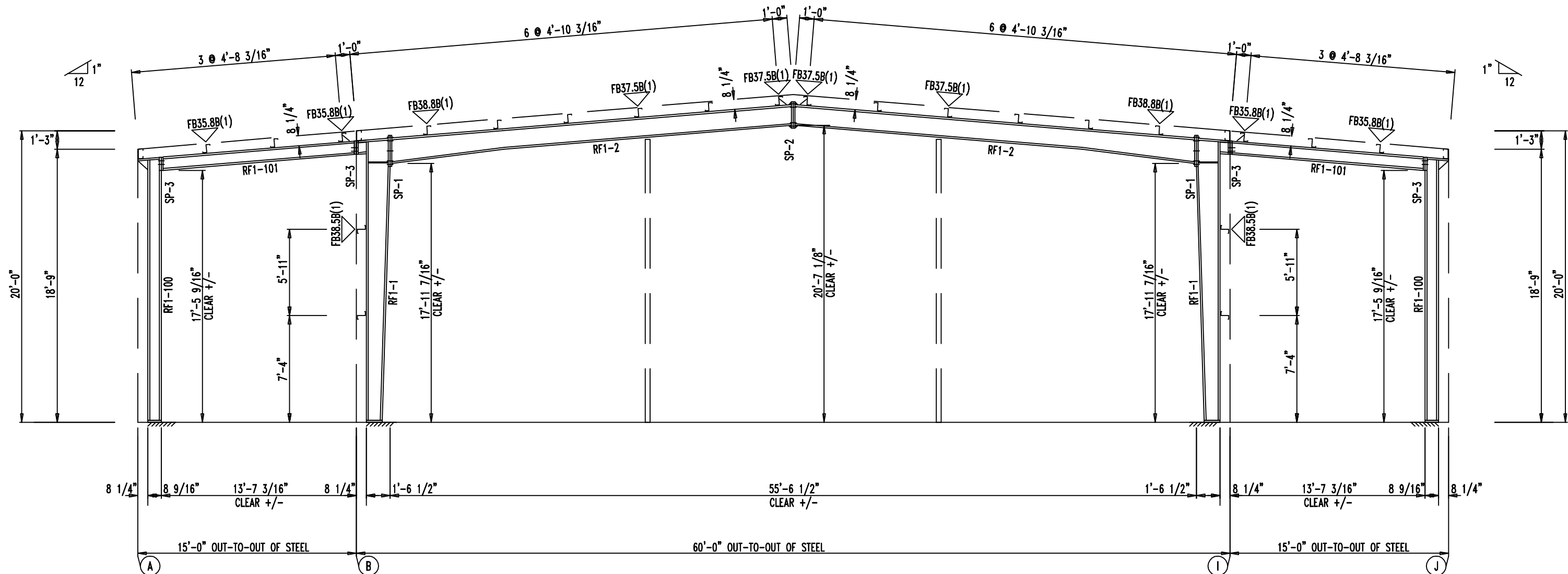
32916 FM 529
BROOKSHIRE, TX 77423
(281) 375-2020

DESCRIPTION	ENDWALL FRAMING			
SIZE	SIZE VARIES (PHASE 1)			
CUSTOMER	WOLFENBERGER, ENT			
LOCATION	MONAVILLE, TX 77445			
DRN. BY	CK'D BY	DATE	SCALE	QUOTE NO.
DR	BWH	12/3/19	NONE	19-5878
JOB NO.	SHEET NO.	ISSUE		
19-5878	E7 OF 10	2		

SPLICE BOLT TABLE						
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length
SP-1	4	4	2	A325	0.625	2.00
SP-2	4	4	0	A325	0.625	1.75
SP-3	4	0	0	A325	0.625	1.75

MEMBER TABLE								
Mark	Weight	Length	Web Depth		Web Plate		Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
			Start/End	Thick	Thick	Length		
RF1-1	359	19'-4 7/16"	10.0/17.0	0.135	15'-5 5/16"	4'-0"	5 x 1/4" x 19'-3 13/16"	5 x 1/4" x 17'-7 5/16"
RF1-2	476	27'-10 1/8"	17.0/18.0	0.188	4'-0"	7'-10 3/4"	5 x 1/4" x 2'-2 3/16"	5 x 1/4" x 7'-10 7/8"
			18.0/14.0	0.135	7'-10 3/4"	16'-0"	5 x 1/4" x 20'-0"	
			14.0/14.0	0.135	16'-0"	4'-0"	5 x 1/4" x 7'-9 1/4"	
RF1-100	256	18'-1 7/16"	8.0/ 8.0	0.135	18'-1 7/16"	4'-0"	5 x 5/16" x 18'-0 3/4"	5 x 1/4" x 17'-5 1/4"
RF1-101	184	13'-7 5/8"	8.0/ 8.0	0.135	13'-7 9/16"	4'-0"	5 x 5/16" x 1'-4 5/8"	5 x 1/4" x 13'-6 7/8"

FLANGE BRACES: Both Sides(U.N.)
 FBxxB(1); xx=length(in)
 B - FB2X14G



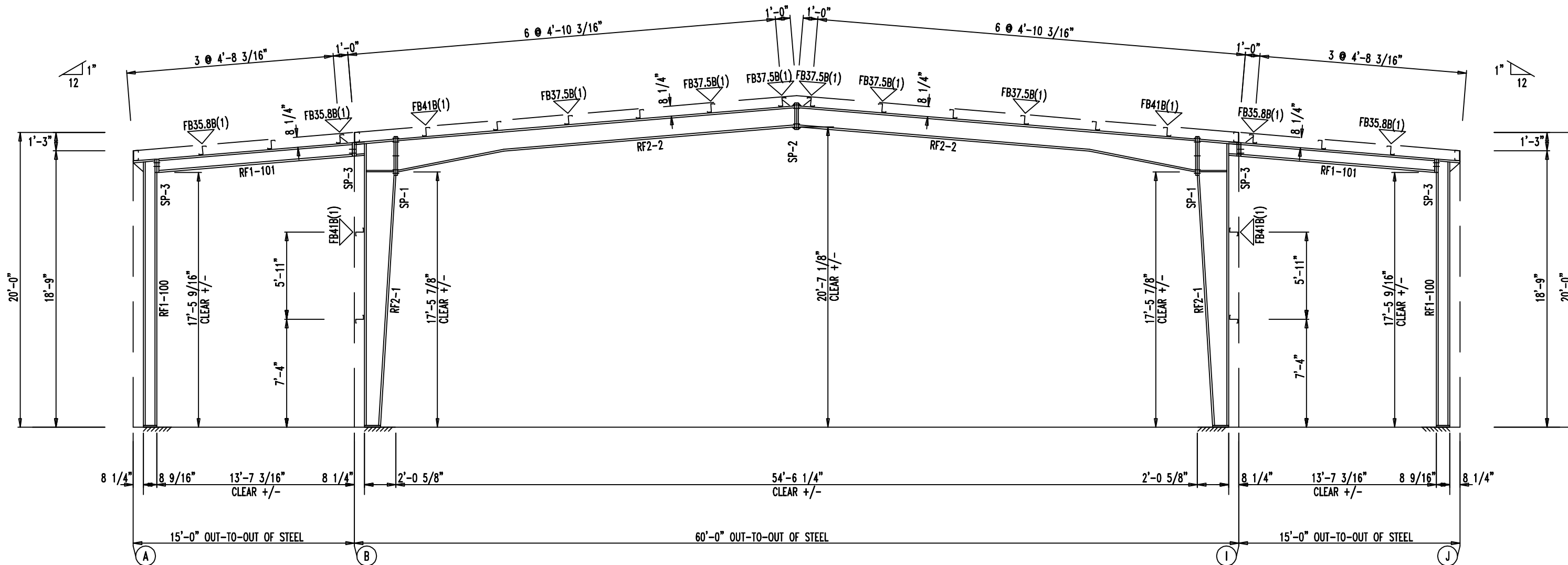
RIGID FRAME ELEVATION: FRAME LINE 1

DRAWING STATUS		REVISIONS				STRAIGHT LINE METAL BUILDINGS		32916 FM 529 BROOKSHIRE, TX 77423 (281) 375-2020	
<input type="checkbox"/>	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.	NO.	DATE	DESCRIPTION	BY	CK'D	DESIGN • FABRICATION • ERECTION RIGID FRAME ELEVATION SIZE VARIES (PHASE 1) CUSTOMER: WOLFENBERGER, ENT LOCATION: MONAVILLE, TX 77445 DRN. BY: DR, CK'D BY: BWH, DATE: 12/3/19, SCALE: NONE, QUOTE NO., JOB NO. 19-5878, SHEET NO. E8 OF 10, ISSUE 2		
<input type="checkbox"/>	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.	0	11/6/19	ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D			
<input checked="" type="checkbox"/>	FOR CONSTRUCTION: FINAL DRAWINGS.	1	11/12/19	REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D			
		2	12/3/19	FOR CONSTRUCTION	DR	BWH			

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	2	A325	0.750	2.25
SP-2	4	4	0	A325	0.625	2.00
SP-3	4	0	0	A325	0.625	1.75

FLANGE BRACES: Both Sides(U.N.)
 FBxxB(1): xx=length(in)
 B - FB2X14G

MEMBER TABLE								
Mark	Weight	Length	Web Depth		Web Plate		Outside Flange	Inside Flange
			Start/End	Thick	Length	W x Thk x Length	W x Thk x Length	
RF2-1	534	19'-4 7/16"	10.0/24.0	0.188	19'-5 11/16"	6 x 1/4" x 19'-3 11/16"	6 x 3/8" x 17'-1 13/16"	
RF2-2	530	27'-4"	24.0/14.0	0.188	7'-4 7/8"	6 x 1/4" x 2'-8 3/16"	5 x 5/16" x 7'-5 7/16"	
			14.0/14.0	0.135	16'-0"	5 x 1/4" x 20'-0"	5 x 1/4" x 19'-10 13/16"	
			14.0/14.0	0.135	4'-0"	5 x 1/4" x 7'-2 7/8"		
RF1-100	256	18'-1 7/16"	8.0/ 8.0	0.135	18'-1 7/16"	5 x 5/16" x 18'-0 3/4"	5 x 1/4" x 17'-5 1/4"	
RF1-101	184	13'-7 5/8"	8.0/ 8.0	0.135	13'-7 9/16"	5 x 5/16" x 1'-4 5/8"	5 x 1/4" x 13'-6 7/8"	



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

DRAWING STATUS

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- FOR CONSTRUCTION: FINAL DRAWINGS.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
0	11/6/19	ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D
1	11/12/19	REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D
2	12/3/19	FOR CONSTRUCTION	DR	BWH



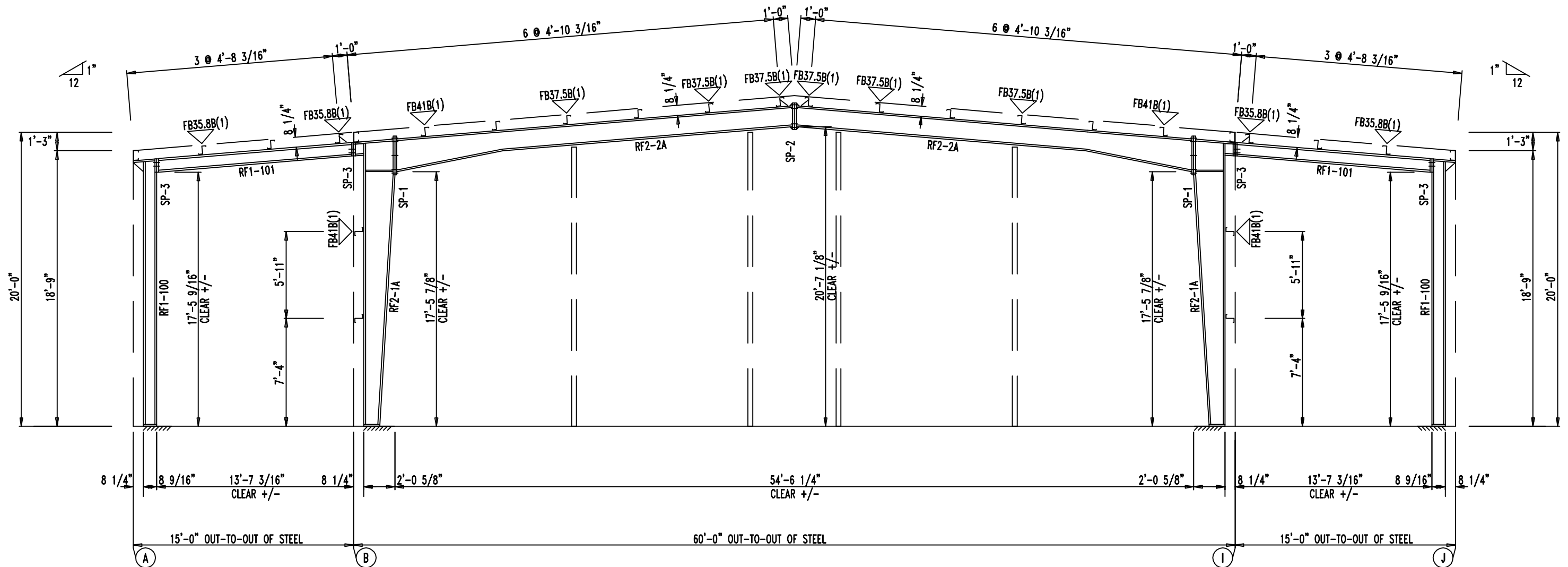
32916 FM 529
 BROOKSHIRE, TX 77423
 (281) 375-2020

DESCRIPTION		RIGID FRAME ELEVATION			
SIZE		SIZE VARIES (PHASE 1)			
CUSTOMER		WOLFENBERGER, ENT			
LOCATION		MONAVILLE, TX 77445			
DRN. BY	CK'D BY	DATE	SCALE	QUOTE NO.	JOB NO.
DR	BWH	12/3/19	NONE		19-5878
CAD BY		SHEET NO.		ISSUE	
BAC		E9 OF 10		2	

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	2	A325	0.750	2.25
SP-2	4	4	0	A325	0.625	2.00
SP-3	4	0	0	A325	0.625	1.75

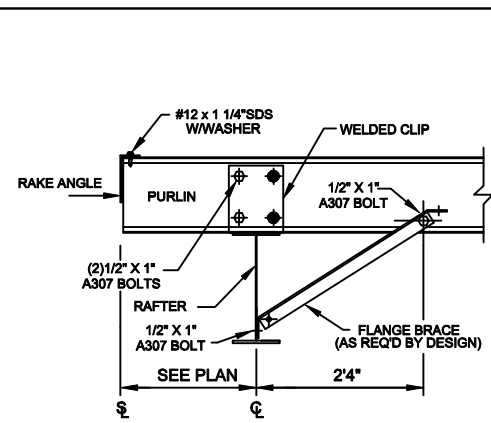
FLANGE BRACES: Both Sides(U.N.)
 FBxxB(1): xx=length(in)
 B - FB2X14G

MEMBER TABLE									
Mark	Weight	Length	Web Depth		Web Plate		Outside Flange		Inside Flange
			Start/End	Thick	Thick	Length	W x Thk x Length	W x Thk x Length	
RF2-1A	534	19'-4 7/16"	10.0/17.8	0.188	9'-6 11/16"	6 x 1/4" x 19'-3 11/16"	6 x 3/8" x 17'-1 13/16"		
RF2-2A	530	27'-4"	17.8/24.0	0.188	9'-11"	6 x 1/4" x 2'-8 3/16"	5 x 5/16" x 7'-5 7/16"		
			24.0/14.0	0.188	7'-4 7/8"	5 x 1/4" x 20'-0"	5 x 1/4" x 19'-10 13/16"		
			14.0/14.0	0.135	9'-11"	5 x 1/4" x 7'-2 7/8"			
			14.0/14.0	0.135	6'-1"				
			14.0/14.0	0.135	4'-0"				
RF1-100	256	18'-1 7/16"	8.0/ 8.0	0.135	8'-2 7/16"	5 x 5/16" x 18'-0 3/4"	5 x 1/4" x 17'-5 1/4"		
			8.0/ 8.0	0.135	9'-11"	5 x 5/16" x 1'-4 5/8"			
RF1-101	184	13'-7 5/8"	8.0/ 8.0	0.135	9'-7 9/16"	5 x 1/4" x 13'-6 7/8"	5 x 1/4" x 13'-6 7/8"		
			8.0/ 8.0	0.135	4'-0"				

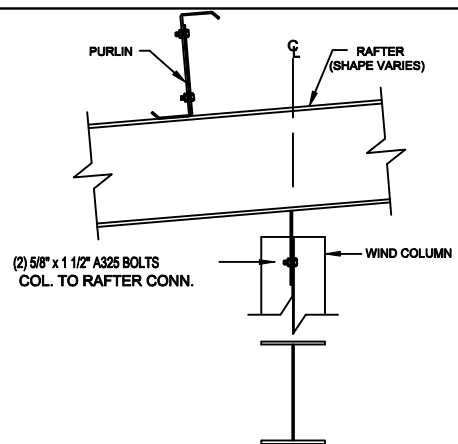


RIGID FRAME ELEVATION: FRAME LINE 5

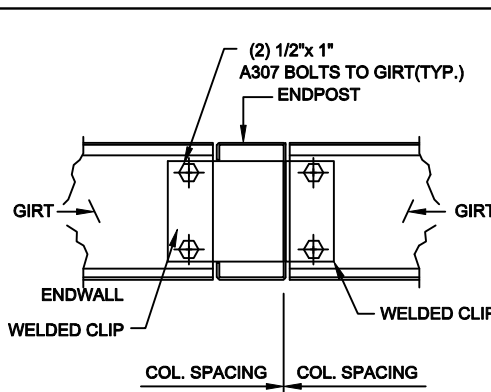
DRAWING STATUS		REVISIONS				STRAIGHT LINE METAL BUILDINGS		32916 FM 529 BROOKSHIRE, TX 77423 (281) 375-2020						
<input type="checkbox"/>	FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.	NO.	DATE	DESCRIPTION	BY	CK'D	DESIGN • FABRICATION • ERECTION		RIGID FRAME ELEVATION					
<input type="checkbox"/>	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.	0	11/6/19	ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D							SIZE VARIES (PHASE 1)	
<input type="checkbox"/>	FOR CONSTRUCTION: FINAL DRAWINGS.	1	11/12/19	REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D	CUSTOMER WOLFENBERGER, ENT							
		2	12/3/19	FOR CONSTRUCTION	DR	BWH	LOCATION MONAVILLE, TX 77445							
							DRN. BY	CK'D BY	DATE	SCALE	QUOTE NO.	JOB NO.	SHEET NO.	ISSUE
							DR	BWH	12/3/19	NONE		19-5878	E10 OF 10	2



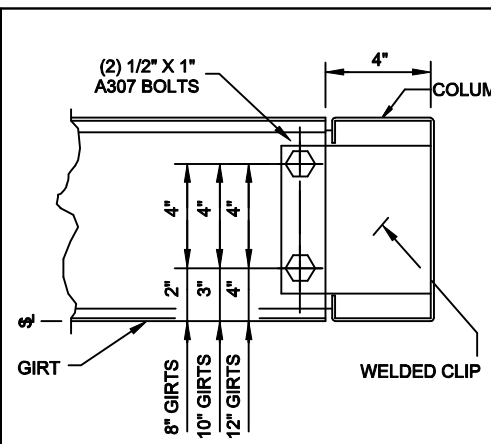
A10 ROOF PURLIN TO EXPANDABLE ENDWALL RIGID FRAME



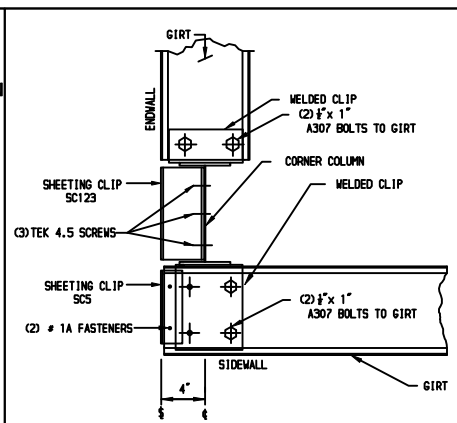
B19 COLUMN TO RIGID FRAME RAFTER



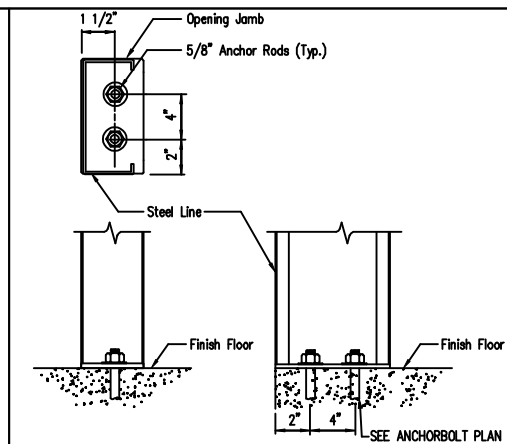
C4 GIRT TO COLUMN



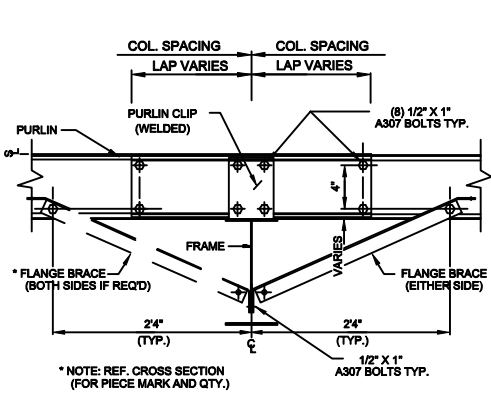
C13 GIRT/HEADER BEAM TO C COLUMN



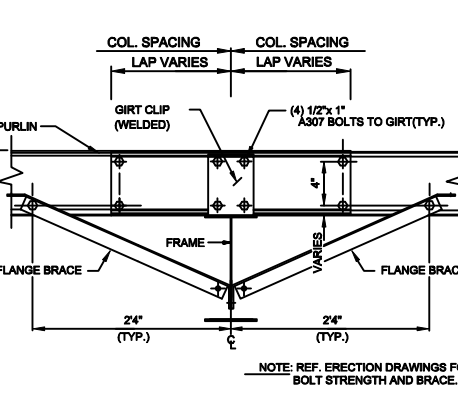
D15 CORNER COLUMN TO WALL GIRT



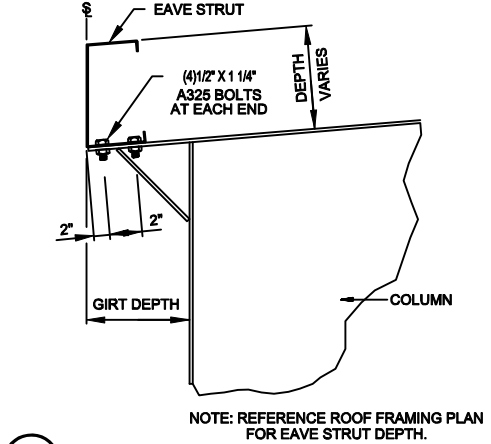
E5 BASE PLATE TO ENDWALL COLUMN OR DOOR JAMB



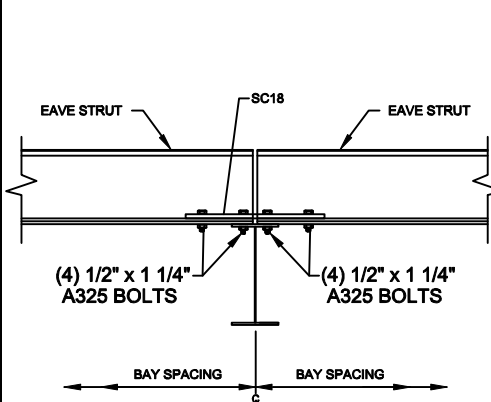
G2 ROOF PURLIN TO INTERIOR FRAME RAFTER



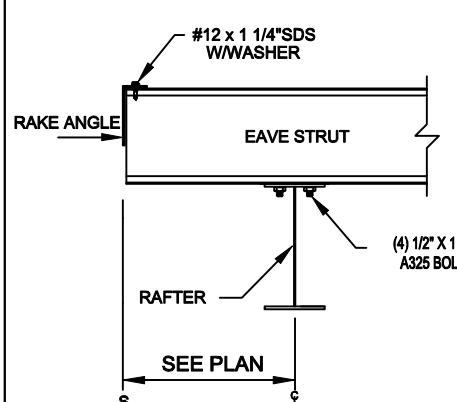
H2 WALL GIRT TO FRAME COLUMN



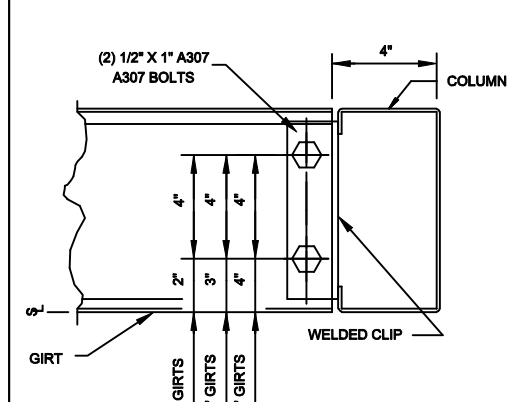
J2 EAVE STRUT TO RIGID FRAME



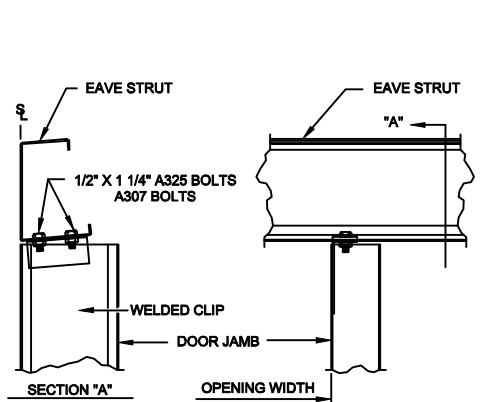
J4 EAVE STRUT TO RIGID FRAME



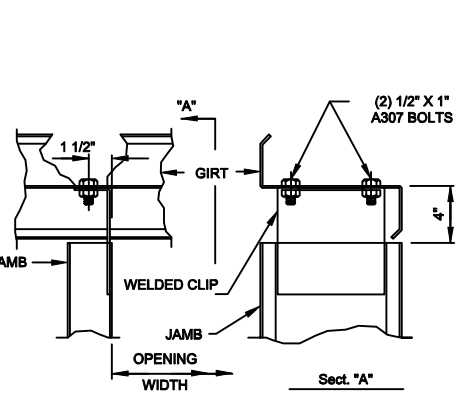
J24 EAVE STRUT TO RIGID FRAME



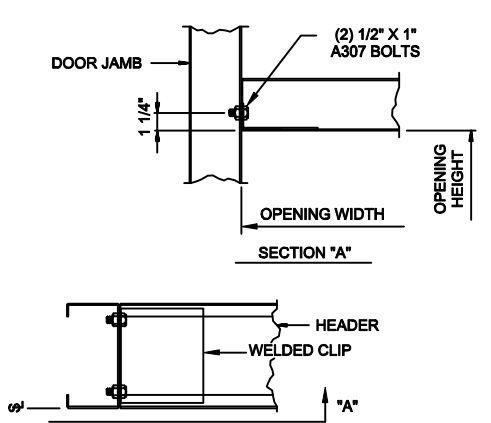
K3 GIRT TO C JAMB



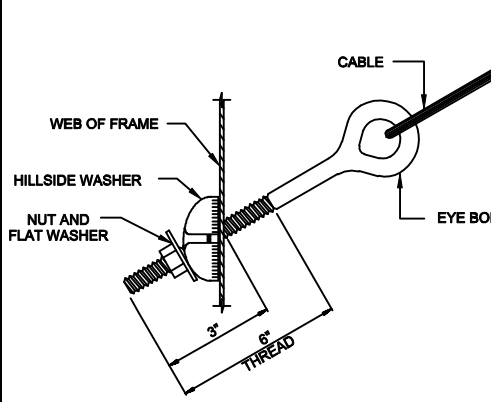
L3 DOOR JAMB TO EAVE STRUT



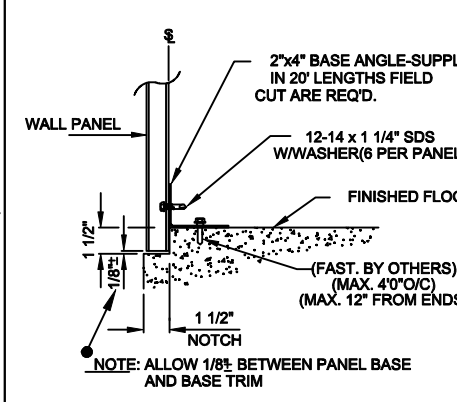
L8 DOOR JAMB TO WALL GIRT



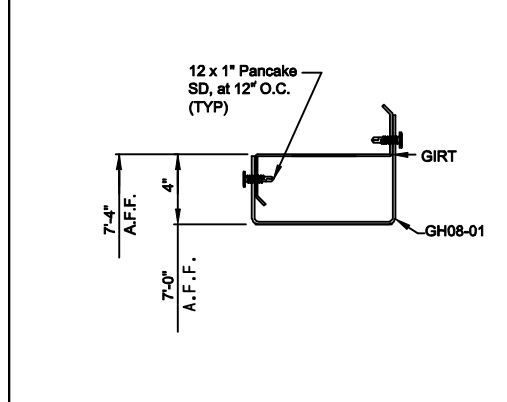
M3 DOOR HEADER TO DOOR JAMB



Q2 DIAGONAL CABLE, EYEBOLT END

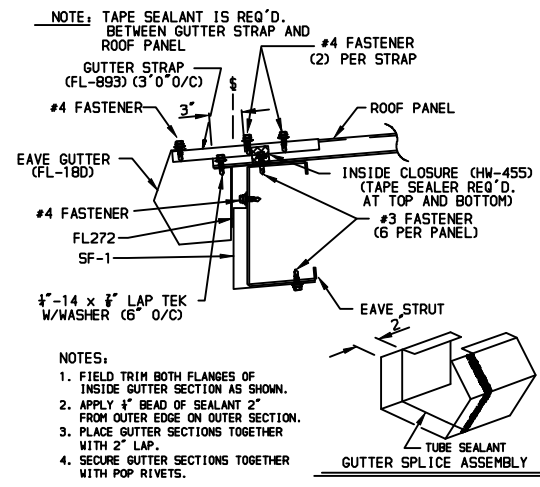


T3 SECTION THRU WALL PANEL AND CONCRETE FOUNDATION

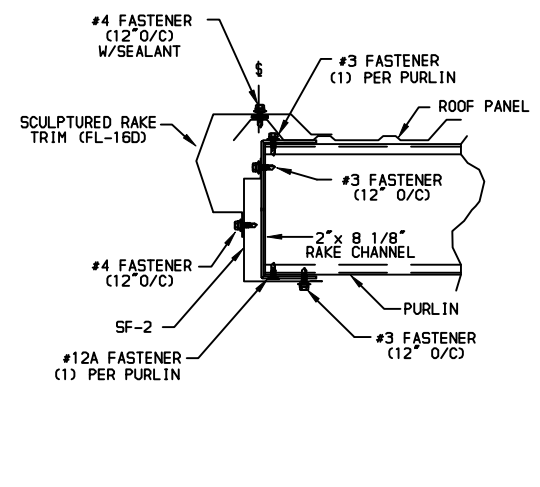


L7 OPEN FACE HEADER ATTACHMENT

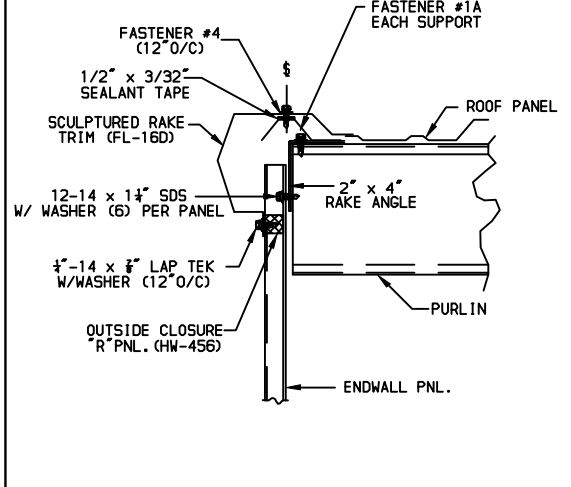
DRAWING STATUS		REVISIONS				STRAIGHT LINE METAL BUILDINGS		32916 FM 529 BROOKSHIRE, TX 77423 (281) 375-2020							
<input type="checkbox"/>	FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.	NO.	DATE	DESCRIPTION	BY	CK'D	DETAIL DRAWINGS								
<input type="checkbox"/>	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.	0	11/6/19	ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D	SIZE VARIES (PHASE 1)								
<input checked="" type="checkbox"/>	FOR CONSTRUCTION: FINAL DRAWINGS.	1	11/12/19	REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D	CUSTOMER WOLFENBERGER, ENT								
		2	12/3/19	FOR CONSTRUCTION	DR	BWH	LOCATION MONAVILLE, TX 77445								
							DRN. BY DR	CK'D BY BWH	DATE 12/3/19	SCALE NONE	QUOTE NO.	JOB NO. 19-5878	CAD BY BAC	SHEET NO. D1 OF 2	ISSUE 2



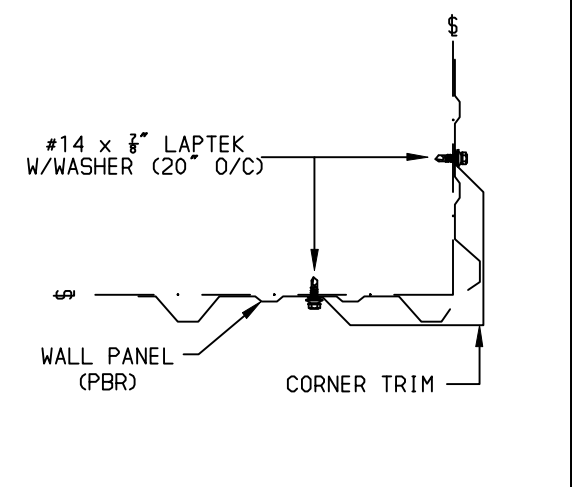
EAVE TRIM DETAIL W/ GUTTER



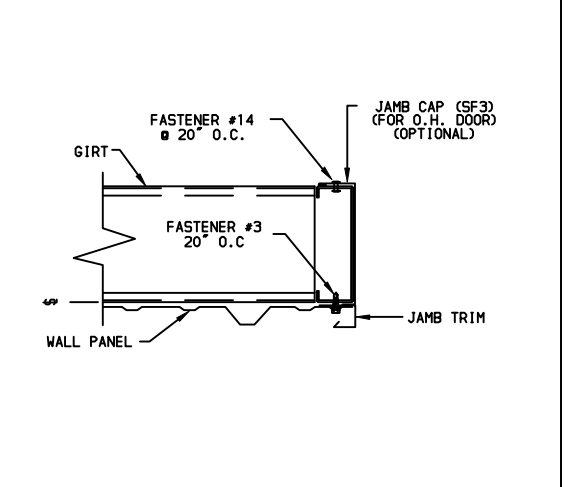
RAKE TRIM DETAIL W/O WALL PANEL



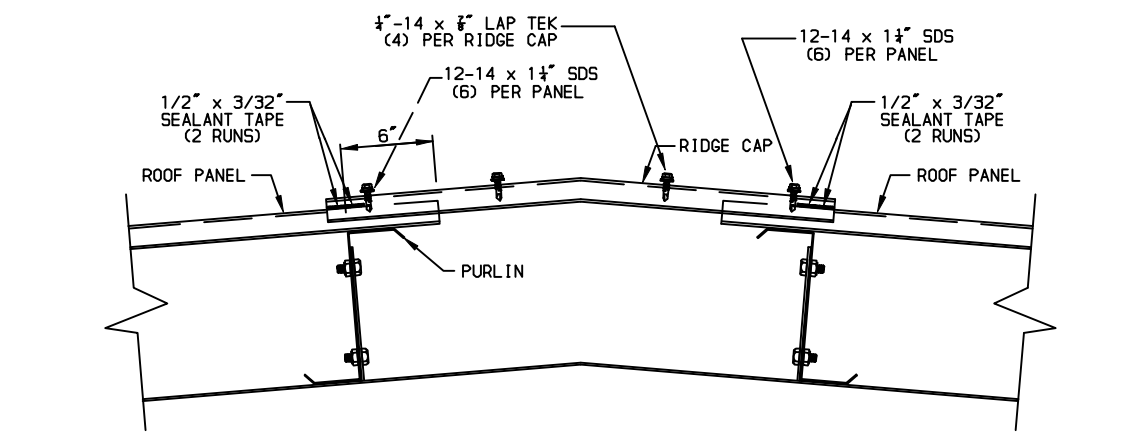
RAKE TRIM DETAIL W/ WALL PANEL



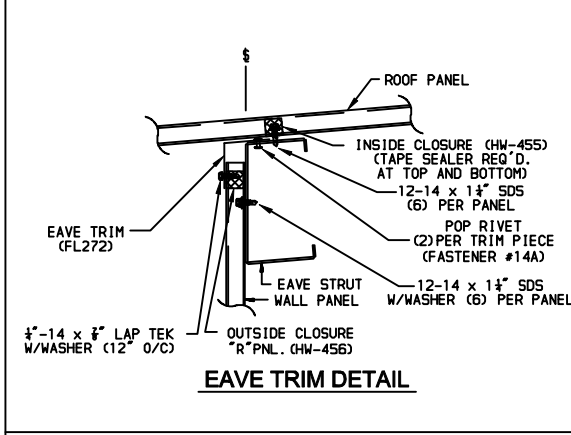
CORNER TRIM DETAIL



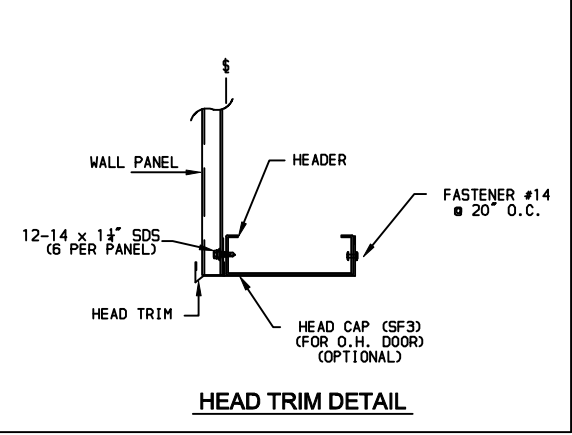
JAMB TRIM DETAIL



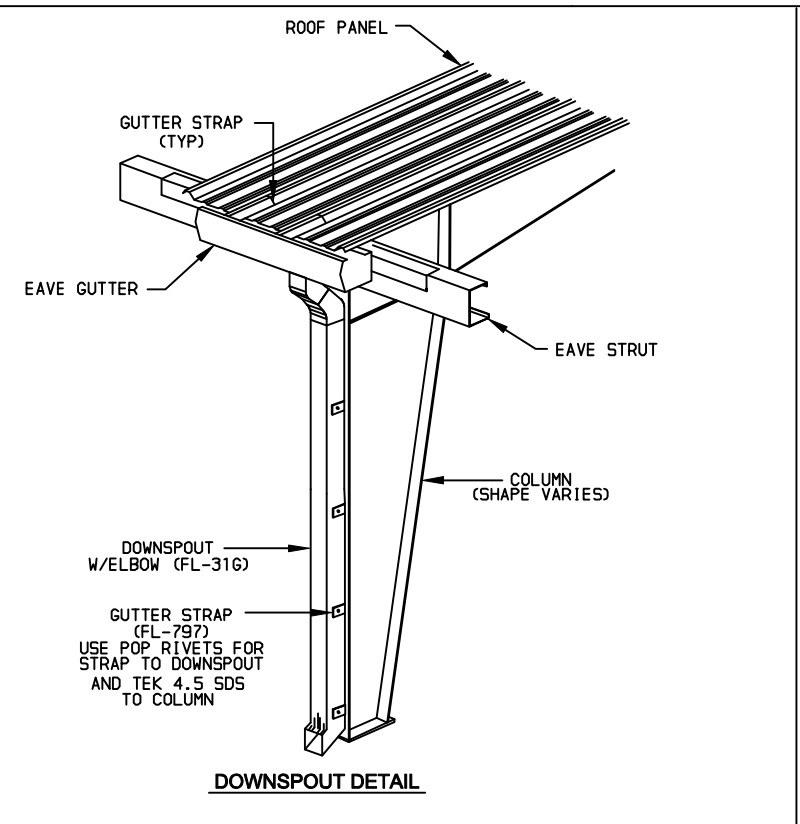
PEAK CAP DETAIL



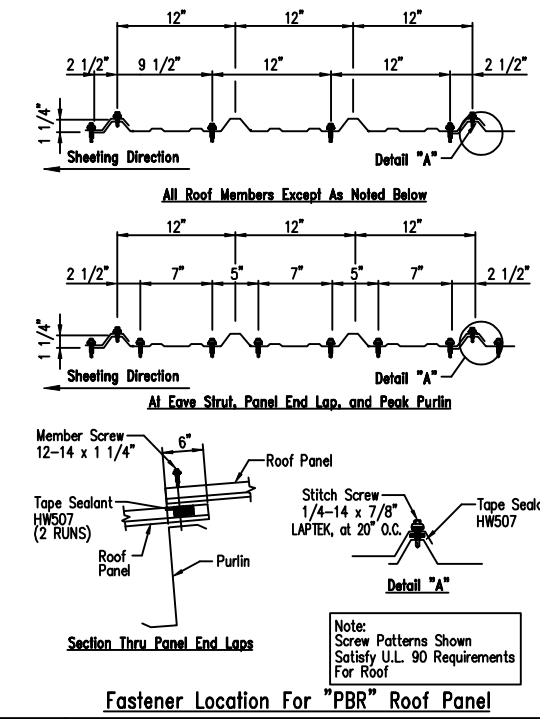
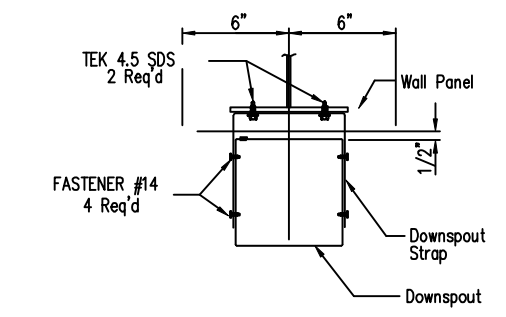
EAVE TRIM DETAIL



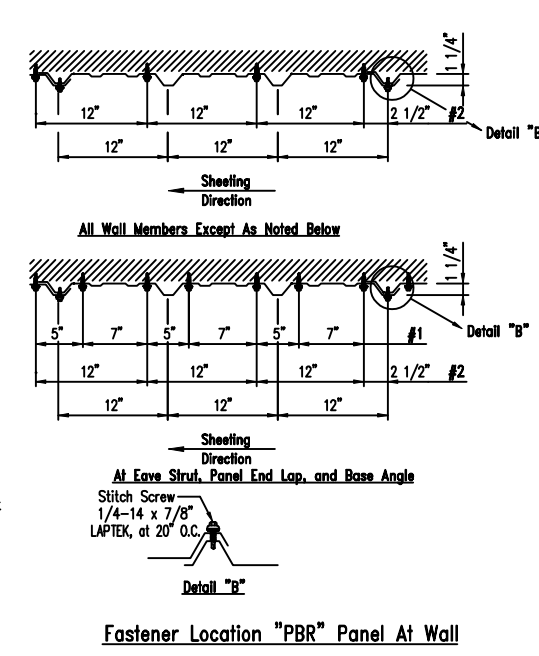
HEAD TRIM DETAIL



DOWNSPOUT DETAIL



Fastener Location For "PBR" Roof Panel



Fastener Location "PBR" Panel At Wall

DRAWING STATUS

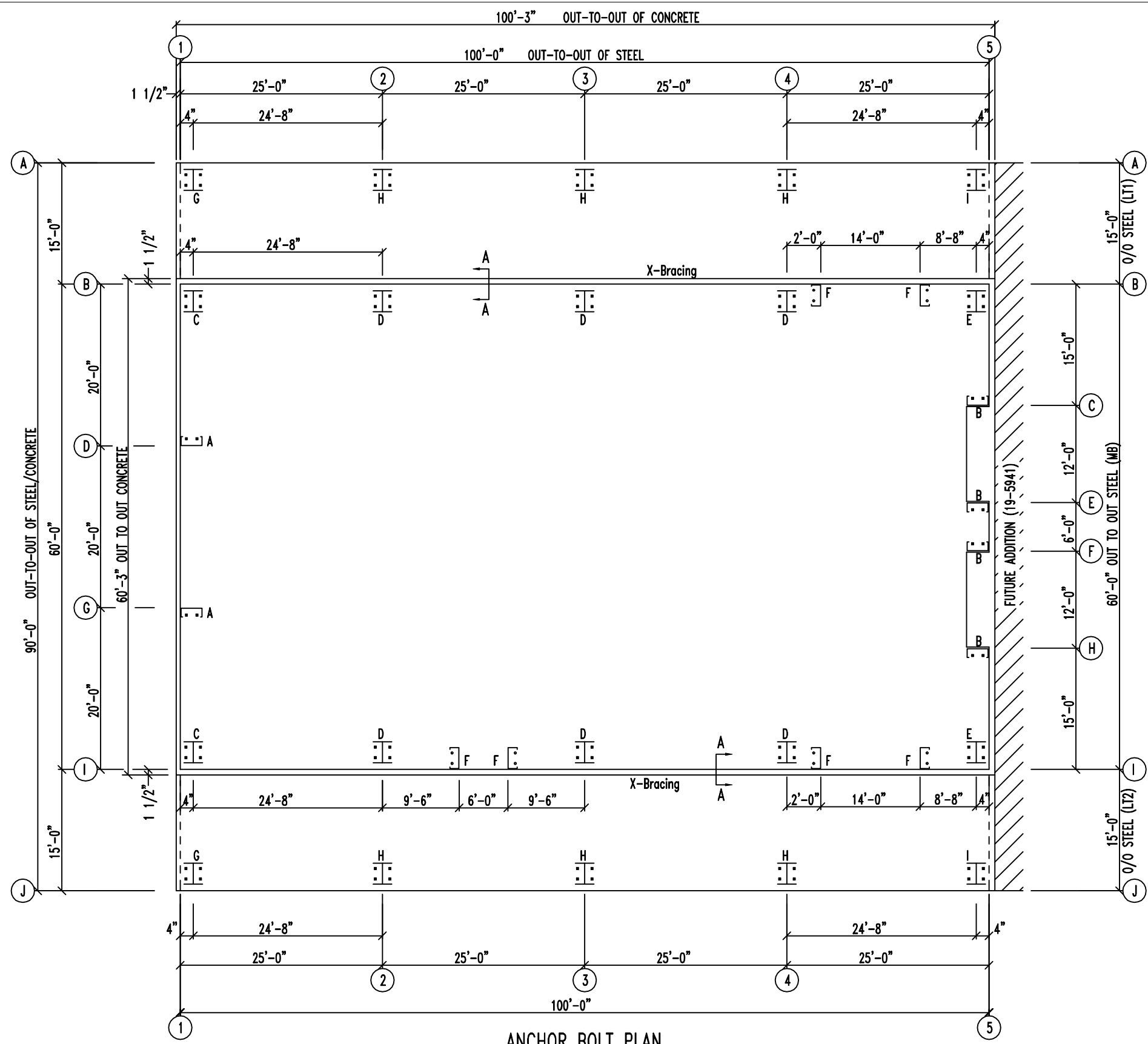
FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.

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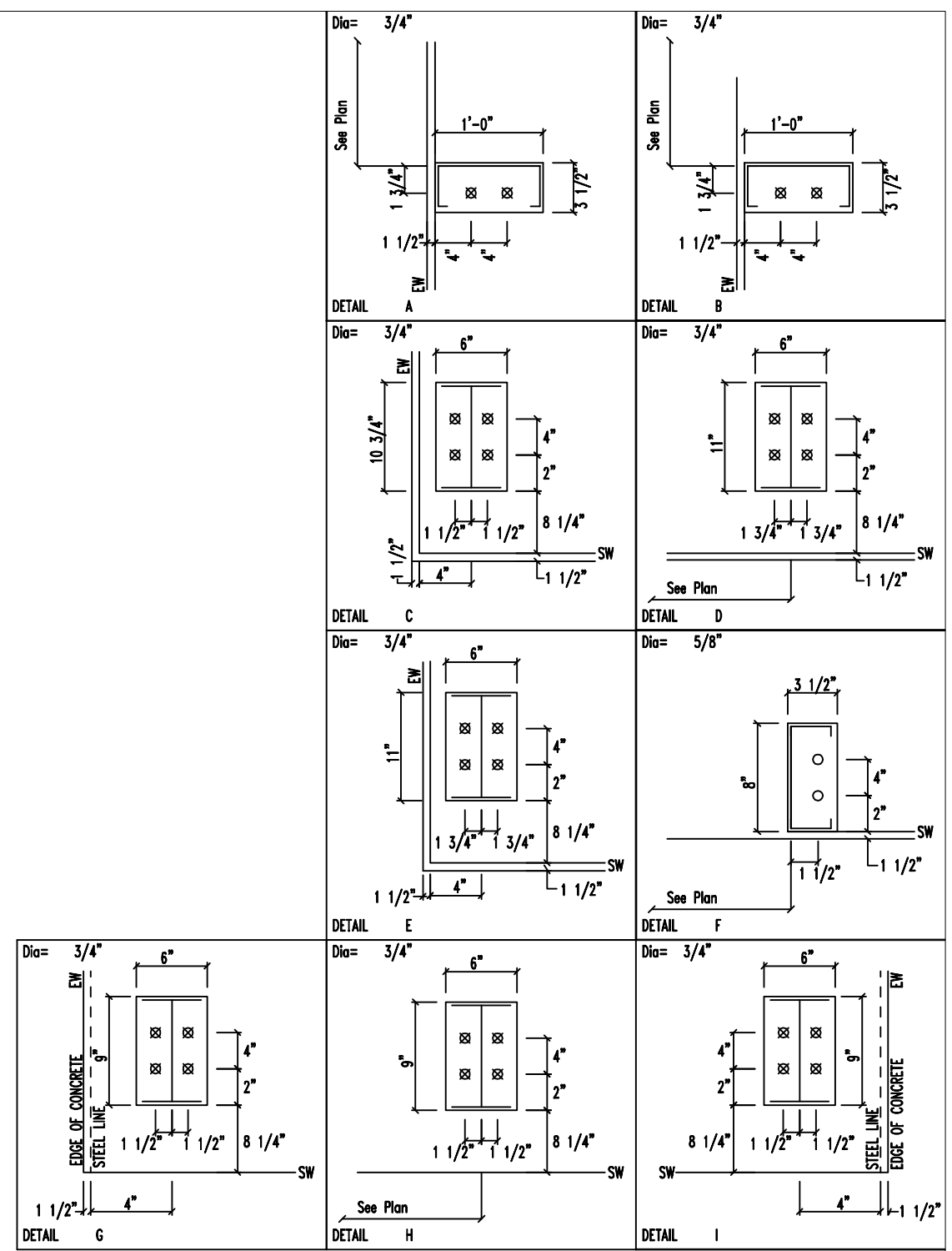
FOR CONSTRUCTION: FINAL DRAWINGS.

REVISIONS			
NO.	DATE	DESCRIPTION	BY CK'D
0	11/6/19	ANCHOR BOLT FOR CONSTRUCTION	BAC CK'D
1	11/12/19	REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC CK'D
2	12/3/19	FOR CONSTRUCTION	DR BWH

		32916 FM 529	
		BROOKSHIRE, TX 77423	
DESIGN • FABRICATION • ERECTION		SHEET NO. D2 OF 2	
DESCRIPTION: DETAIL DRAWINGS		ISSUE: 2	
SIZE VARIES (PHASE 1)		JOB NO. 19-5878	
CUSTOMER: WOLFENBERGER, ENT		SCALE: NONE	
LOCATION: MONAVILLE, TX 77445		QUOTE NO.	
DRN. BY: DR	CK'D BY: BWH	DATE: 12/3/19	JOB NO. 19-5878



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



ANCHOR BOLT DIAMETERS HAVE BEEN DESIGNED BY THE METAL BUILDING MANUFACTURER BASED ON AISC METHOD WITH COMBINED SHEAR AND TENSION.

DEVELOPMENT, EMBEDMENT AND HOOK LENGTH OF ANCHOR BOLTS IN THE CONCRETE ARE DESIGN RESPONSIBILITY OF OTHERS. ALSO DESIGN OF SHEAR ANGLES, TENSION PLATES, HAIRPINS, AND ANY OTHER EMBEDDED MATERIAL IN THE CONCRETE SHALL BE DESIGNED AND PROVIDED BY OTHERS.

NOTE: ANCHOR BOLT PROJECTION IS FROM BOTTOM OF BASE PLATE, UNLESS GROUT IS REQUIRED.

ANCHOR BOLT DETAIL		DIA.	QTY.	LENGTH	THRD	HOOK	PROJ
LENGTH TO BE DETERMINED BY FOUNDATION ENGINEER		1/2"	*	*	*	*	1 1/2"
		5/8"	12	*	*	*	2 1/4"
NUT & WASHER (BY OTHERS)		3/4"	92	*	*	*	2 1/2"
THREAD		7/8"	*	*	*	*	3 1/2"
HOOK		1"	*	*	*	*	3 1/2"
ANCHOR BOLTS (BY OTHERS)		1 1/8"	*	*	*	*	3 1/2"
		1 1/4"	*	*	*	*	3 1/2"

* = DETERMINED BY OTHERS

DRAWING STATUS	
<input type="checkbox"/>	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.
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	FOR CONSTRUCTION: FINAL DRAWINGS.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
0	11/6/19	ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D
1	11/12/19	REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D
2	12/3/19	FOR CONSTRUCTION	DR	BWH

32916 FM 529
BROOKSHIRE, TX 77423
(281) 375-2020

DESCRIPTION		ANCHOR BOLT PLAN & DETAILS	
SIZE		SIZE VARIES (PHASE 1)	
CUSTOMER		WOLFENBERGER, ENT	
LOCATION		MONAVILLE, TX 77445	
DRN. BY	CK'D BY	DATE	SCALE
DR	BWH	12/3/19	NONE
QUOTE NO.	JOB NO.	CAD BY	SHEET NO.
	19-5878	BAC	AB1 OF 3
ISSUE			
2			

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz
1	D	0.1	-4.0	4.4
1	G	0.1	-4.0	4.4
5	H	0.1	-2.6	2.9
5	F	0.1	-1.8	2.0
5	E	0.1	-1.8	2.0
5	C	0.1	-2.6	2.9

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

Frm Line	Col Line	Column_Reactions(k)				Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in)		Thick	Grout (in)
		Load Id	Hmax H	V Vmax	Load Id					Width	Length		
1	D	8	2.7	0.1	9	-2.4	0.1	2	0.750	3.500	12.00	0.375	0.0
		10	2.7	0.1	9	-2.4	0.1	2	0.750	3.500	12.00	0.375	0.0
1	G	8	2.7	0.1	9	-2.4	0.1	2	0.750	3.500	12.00	0.375	0.0
		10	2.7	0.1	9	-2.4	0.1	2	0.750	3.500	12.00	0.375	0.0
5	H	8	1.7	0.1	9	-1.6	0.1	2	0.750	3.500	12.00	0.375	0.0
		10	1.7	0.1	9	-1.6	0.1	2	0.750	3.500	12.00	0.375	0.0
5	F	8	1.2	0.1	9	-1.1	0.1	2	0.750	3.500	12.00	0.375	0.0
		10	1.2	0.1	9	-1.1	0.1	2	0.750	3.500	12.00	0.375	0.0
5	E	8	1.2	0.1	9	-1.1	0.1	2	0.750	3.500	12.00	0.375	0.0
		10	1.2	0.1	9	-1.1	0.1	2	0.750	3.500	12.00	0.375	0.0
5	C	8	1.7	0.1	9	-1.6	0.1	2	0.750	3.500	12.00	0.375	0.0
		10	1.7	0.1	9	-1.6	0.1	2	0.750	3.500	12.00	0.375	0.0

NOTES FOR REACTIONS

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:

Width (ft)	=	60.0
Length (ft)	=	100.0
Eave Height (ft)	=	20.0/ 20.0
Roof Slope (rise/12)	=	1.0/ 1.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	5.0
Roof Live Load (psf)	=	20.0
Frame Live Load (psf)	=	12.0
Snow Load (psf)	=	3.5
Wind Speed (mph)	=	123.0
Wind Code	=	IBC 12
Exposure	=	B
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	A
Seismic Coeff (Fa*Sa)	=	0.12

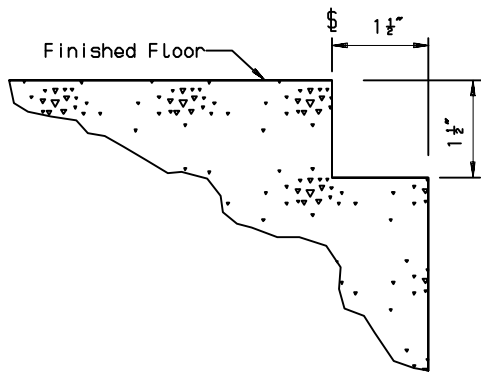
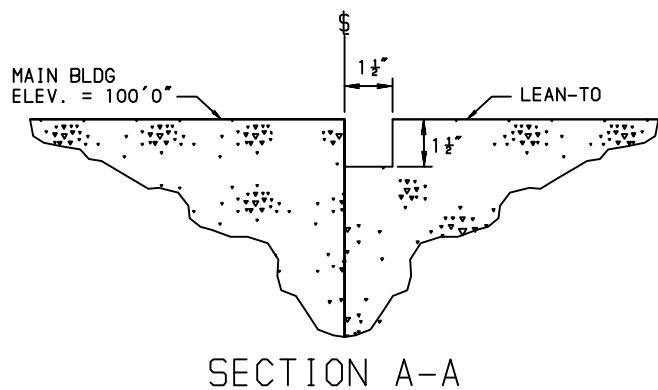
5. Loading conditions are:

- Dead+Collateral+Live
- Dead+Collateral+0.75Live+0.45Wind_Left2
- Dead+Collateral+0.75Live+0.45Wind_Right2
- 0.6Dead+0.6Wind_Left1
- 0.6Dead+0.6Wind_Right1
- 0.6Dead+0.6Wind_Long1L
- 0.6Dead+0.6Wind_Long2L
- 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
- 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
- 0.6Dead+0.6Wind_Right2+0.6Wind_Suction

BUILDING BRACING REACTIONS

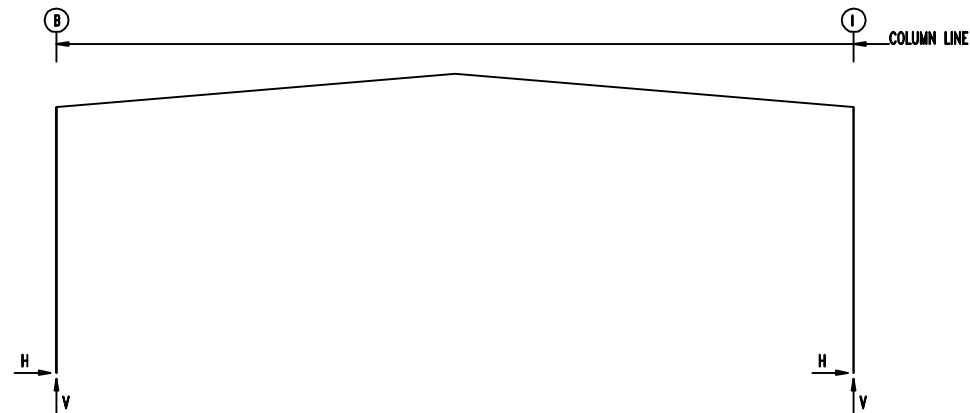
Wall Loc	Col Line	± Reactions(k)				Panel_Shear (lb/ft)	Note
		Wind Horz	Wind Vert	Seismic Horz	Seismic Vert		
L_EW	1						(h)
F_SW	1	3,4	8.4	6.1	1.1	0.8	
R_EW	5						(h)
B_SW	B	4,3	8.4	6.1	1.1	0.8	

(h)Rigid frame at endwall



ALL DIMENSIONS SHOWN ARE OUT-TO-OUT OF STEEL.
CONCRETE NOTCH IS NOT INCLUDED IN DIMENSIONS.
SUGGESTED SHEETING NOTCH IN CONCRETE

FRAME LINES: 1 2 3 4 5



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

Frm Line	Col Line	Column_Reactions(k)				Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in)		Thick	Grout (in)
		Load Id	Hmax H	V Vmax	Load Id					Width	Length		
1	B	3	3.6	9.6	4	-3.4	-7.1	4	0.750	6.000	10.75	0.375	0.0
		1	3.3	11.3									
1	I	5	3.4	-7.1	2	-3.6	9.6	4	0.750	6.000	10.75	0.375	0.0
		1	-3.3	11.3	5	3.4	-7.1						

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

Frm Line	Col Line	Column_Reactions(k)				Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in)		Thick	Grout (in)
		Load Id	Hmax H	V Vmax	Load Id					Width	Length		
2*	B	1	7.3	18.5	4	-6.2	-11.0	4	0.750	6.000	11.00	0.500	0.0
					6	-0.7	-12.7						
2*	I	5	6.2	-11.0	1	-7.3	18.5	4	0.750	6.000	11.00	0.500	0.0
		1	-7.3	18.5	7	0.7	-12.7						

2* Frame lines: 2 3 4 5

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	---Dead---		---Collateral---		---Live---		---Snow---		---Wind_Left1---		---Wind_Right1---	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	B	0.5	1.9	0.8	2.0	1.9	7.4	0.6	1.9	-6.2	-13.8	1.8	-6.7
1	I	-0.5	1.9	-0.8	2.0	-1.9	7.4	-0.6	1.9	-1.8	-6.7	6.2	-13.8
1	B	-6.0	-6.8	1.9	0.3	-0.7	-11.3	-0.9	-10.0	-0.2	-0.1	0.2	0.1
1	I	-1.9	0.3	6.0	-6.8	0.9	-10.0	0.7	-11.3	-0.2	0.1	0.2	-0.1
1	B	0.9	1.9	0.7	1.8	0.8	1.1						
1	I	-0.9	1.9	-0.8	1.1	-0.7	1.8						
2*	B	1.0	2.9	1.9	3.8	4.4	11.8	1.3	3.2	-11.3	-21.2	0.9	-11.4
2*	I	-1.0	2.9	-1.9	3.9	-4.4	11.8	-1.3	3.2	-0.9	-11.4	11.3	-21.2
2*	B	-10.6	-11.2	1.5	-1.3	-2.2	-24.1	-2.2	-21.5	-0.3	-0.2	0.3	0.2
2*	I	-1.5	-1.3	10.6	-11.2	2.6	-21.5	2.2	-24.1	-0.3	0.2	0.3	-0.2
2*	B	0.0	-0.8	1.9	3.7	1.7	3.5						
2*	I	0.0	-0.8	-1.9	3.7	-1.7	2.1						

2* Frame lines: 2 3 4 5

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Bend Len (in)	Proj (in)
12	Jamb	5/8"			
12	Endwall	3/4"	A307		2.50
40	Frame	3/4"	A307	3.00	2.50

MAIN BLDG

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.
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- FOR CONSTRUCTION: FINAL DRAWINGS.

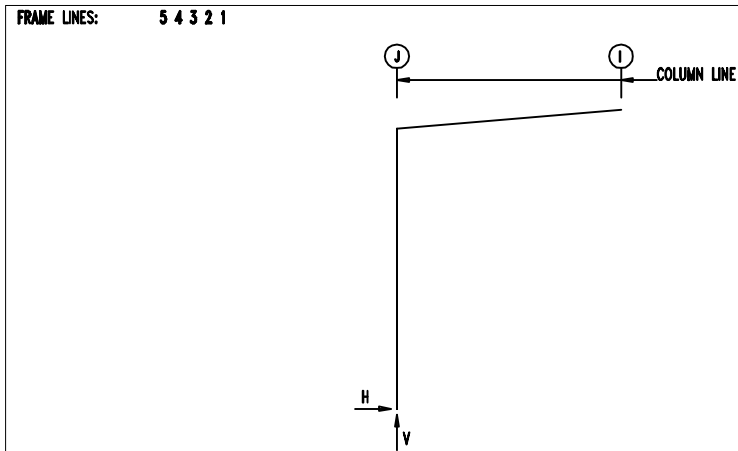
REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	11/6/19	ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D
1	11/12/19	REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D
2	12/3/19	FOR CONSTRUCTION	DR	BWH



32916 FM 529
BROOKSHIRE, TX 77423
(281) 375-2020

DESCRIPTION		ANCHOR BOLT REACTIONS (MB)			
SIZE		SIZE VARIES (PHASE 1)			
CUSTOMER		WOLFENBERGER, ENT			
LOCATION		MONAVILLE, TX 77445		CAD BY BAC	
DRN. BY	CK'D BY	DATE	SCALE	QUOTE NO.	JOB NO.
DR	BWH	12/3/19	NONE		19-5878
SHEET NO.		ISSUE			
AB2 OF 3		2			



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

Frm Line	Col Line	Column_Reactions(k)				Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id					Width	Length	Thick	
5*	J	5	3.0	-2.5	3	-2.9	0.3	4	0.750	6.000	9.000	0.375	0.0
		1	0.1	4.2	4	3.0	-3.3						
5*	Frame lines: 5 4 3 2 1												

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	---Dead---		---Collateral---		---Live---		---Snow---		---Wind_Left1---		---Wind_Right1---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
5*	J	0.0	0.7	0.0	0.1	0.0	3.3	0.0	0.7	0.7	-5.9	4.2	-4.7
Frame Line	Column Line	---Wind_Left2---		---Wind_Right2---		---Wind_Long1---		---Wind_Long2---		---MIN_SNOW---			
5*	J	-4.9	-0.2	-1.3	1.0	5.0	-6.3	5.1	-4.8	0.0	1.0		
5*	Frame lines: 5 4 3 2 1												

- NOTES FOR REACTIONS
- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
 - Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
 - Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
 - Building reactions are based on the following building data:
 - Width (ft) = 15.0
 - Length (ft) = 100.0
 - Eave Height (ft) = 18.8/ 20.0
 - Roof Slope (rise/12) = 1.0
 - Dead Load (psf) = 2.0
 - Collateral Load (psf) = 0.5
 - Roof Live Load (psf) = 20.0
 - Frame Live Load (psf) = 16.5
 - Snow Load (psf) = 3.5
 - Wind Speed (mph) = 123.0
 - Wind Code = IBC 12
 - Exposure = B
 - Closed/Open = P
 - Importance Wind = 1.00
 - Importance Seismic = 1.00
 - Seismic Zone = A
 - Seismic Coeff (Fa*Sa) = 0.12
 - Loading conditions are:
 - 1 Dead+Collateral+Live
 - 2 0.6Dead+0.6Wind_Left1
 - 3 0.6Dead+0.6Wind_Left2
 - 4 0.6Dead+0.6Wind_Long1R
 - 5 0.6Dead+0.6Wind_Long2R

BUILDING BRACING REACTIONS

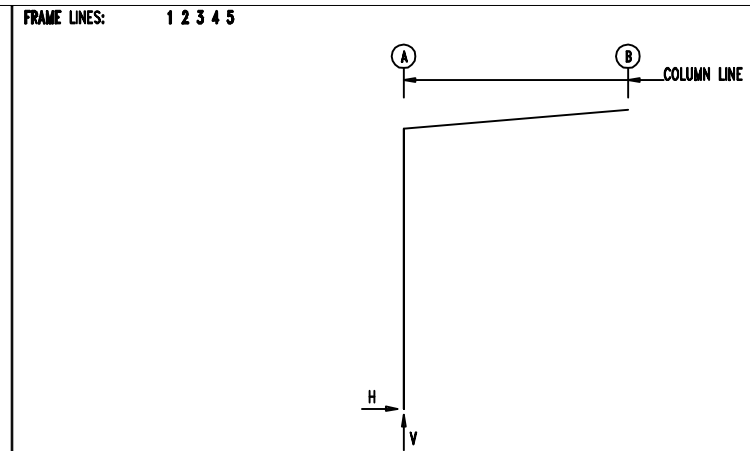
Loc	Wall Line	Col Line	± Reactions(k)				Panel_Shear (lb/ft)		Note
			Horz	Vert	Horz	Vert	Wind	Seis	
L_EW		5							(h)
F_SW		1							(f)
R_EW		1							(h)
B_SW		J	Torsional Bracing Used						

(f) Bracing loads are applied to adjacent building
(h) Rigid frame at endwall

LEAN-TO 1

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Bend Len (in)	Proj (in)
○ 20	Frame	3/4"	A307	3.00	2.50



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

Frm Line	Col Line	Column_Reactions(k)				Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id					Width	Length	Thick	
1*	A	5	3.0	-2.5	3	-2.9	0.3	4	0.750	6.000	9.000	0.375	0.0
		1	0.1	4.2	4	3.0	-3.3						
1*	Frame lines: 1 2 3 4 5												

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	---Dead---		---Collateral---		---Live---		---Snow---		---Wind_Left1---		---Wind_Right1---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1*	A	0.0	0.7	0.0	0.1	0.0	3.3	0.0	0.7	0.7	-5.9	4.2	-4.7
Frame Line	Column Line	---Wind_Left2---		---Wind_Right2---		---Wind_Long1---		---Wind_Long2---		---MIN_SNOW---			
1*	A	-4.9	-0.2	-1.3	1.0	5.0	-6.3	5.1	-4.8	0.0	1.0		
1*	Frame lines: 1 2 3 4 5												

- NOTES FOR REACTIONS
- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
 - Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
 - Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
 - Building reactions are based on the following building data:
 - Width (ft) = 15.0
 - Length (ft) = 100.0
 - Eave Height (ft) = 18.8/ 20.0
 - Roof Slope (rise/12) = 1.0
 - Dead Load (psf) = 2.0
 - Collateral Load (psf) = 0.5
 - Roof Live Load (psf) = 20.0
 - Frame Live Load (psf) = 16.5
 - Snow Load (psf) = 3.5
 - Wind Speed (mph) = 123.0
 - Wind Code = IBC 12
 - Exposure = B
 - Closed/Open = P
 - Importance Wind = 1.00
 - Importance Seismic = 1.00
 - Seismic Zone = A
 - Seismic Coeff (Fa*Sa) = 0.12
 - Loading conditions are:
 - 1 Dead+Collateral+Live
 - 2 0.6Dead+0.6Wind_Left1
 - 3 0.6Dead+0.6Wind_Left2
 - 4 0.6Dead+0.6Wind_Long1R
 - 5 0.6Dead+0.6Wind_Long2R

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k)				Panel_Shear (lb/ft)		Note
			Horz	Vert	Horz	Vert	Wind	Seis	
L_EW		1							(h)
F_SW		B							(f)
R_EW		5							(h)
B_SW		A	Torsional Bracing Used						

(f) Bracing loads are applied to adjacent building
(h) Rigid frame at endwall

LEAN-TO 2

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Bend Len (in)	Proj (in)
○ 20	Frame	3/4"	A307	3.00	2.50

DRAWING STATUS		REVISIONS				STRAIGHT LINE METAL BUILDINGS		32916 FM 529 BROOKSHIRE, TX 77423 (281) 375-2020	
<input type="checkbox"/>	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.	NO.	DATE	DESCRIPTION	BY	CK'D	DESIGN • FABRICATION • ERECTION DESCRIPTION ANCHOR BOLT REACTIONS (LT1/LT2) SIZE SIZE VARIES (PHASE 1) CUSTOMER WOLFENBERGER, ENT LOCATION MONAVILLE, TX 77445 DRN. BY DR BWH CK'D BY BWH DATE 12/3/19 SCALE NONE QUOTE NO. JOB NO. 19-5878 SHEET NO. AB3 OF 3 ISSUE 2		
<input type="checkbox"/>	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.	0	11/6/19	ANCHOR BOLT FOR CONSTRUCTION	BAC	CK'D			
<input type="checkbox"/>	FOR CONSTRUCTION: FINAL DRAWINGS.	1	11/12/19	REVISED SHEETING NOTCH ON ANCHOR BOLT	BAC	CK'D			
<input checked="" type="checkbox"/>		2	12/3/19	FOR CONSTRUCTION	DR	BWH			