

International Building Code 2012 Edition

Live Load: Non-Reducible = 20.00 PSF

Ground Snow Load, P_g = 15.0 PSF
Flat Roof Snow Load, P_F = 10.5 PSF
Snow Exposure Factor, C_e = 1.00
Snow Importance Factor, I_s = 1.00
Thermal Factor, C_t = 1.00

Collateral Load = 3 PSF

Ultimate Wind (3 Second Gust)	115mph
Normal Wind (3 Second Gust)	89mph

Wind Exposure Category = C

Internal Pressure Coefficient = +/- 0.18
Enclosure Classification = Enclosed
Building Risk Category = II - Normal
Seismic Design Category = B
Seismic Use Group = N/A
Seismic Importance Factor, I_e = 1.00
Spectral Response Acceleration, S_s = 0.136
Spectral Response Acceleration, S_1 = 0.054
Spectral Response Coefficients, S_{ds} = 0.145
Spectral Response Coefficients, S_{d1} = 0.086
Site Class, Assumed = D
Basic Seismic-Force-Resisting System
LAT: Steel Systems not Detailed for Seismic
LONG: Steel Systems not Detailed for Seismic
Design Base Shear, Laterally = 0.76 K/TOTAL
Design Base Shear, Longitudinally = 0.66 K/TOTAL
Seismic Response Coefficients, (LAT.) C_s = 0.048
Seismic Response Coefficients, (LONG./FSW) C_s = 0.048
Seismic Response Coefficients, (LONG./BSW) C_s = 0.048
Response Modification Factor, (LAT.) R = 3
Response Modification Factor, (LONG./FSW) R = 3
Response Modification Factor, (LONG./BSW) R = 3
Analysis Procedure: Equivalent Lateral Force

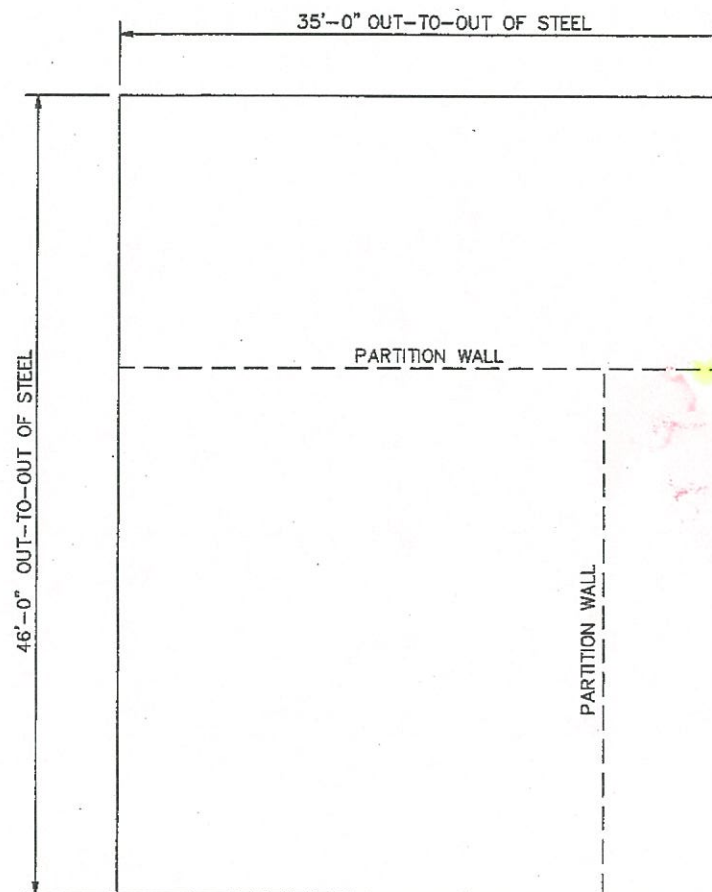
Auxiliary Loads: N/A

ERECTION NOTES:

- 1.) Roof Hatches are to Fit Between Purlins. Purlins are Not Designed to be Cut.

DRAWINGS INCLUDED:

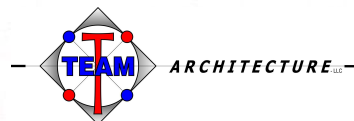
K1 OF 1
B1 - B2
E1 - E14
S1 - S4
AP1 - AP5



KEY PLAN

☐ REVIEWED ☐ REVIEWED AS NOTED
☐ REJECTED ☒ REVISE & RESUBMIT

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings and submittals during this review do not relieve the contractor from compliance with the requirements of the plans and specifications and applicable laws, codes and regulations. Review of a specific item shall not include review of an assembly of which the item is a component. The contractor is responsible for: dimensions to be confirmed and correlated at the jobsite; information that pertains solely to the fabrication processes or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of all other trades and performing all Work in a safe and satisfactory manner.



BY: dga
DATE: 07-18-16

P.O. Box 43 | Andover, Kansas 67002 | (316) 347-7755 | **TEAM**Architecture-LLC.com

together everyone achieves more

→ NOTE: ADJUST BUILDING FRAMING
AS REQ'D TO BEAR ON FOUNDATION
PIERS. - SEE MARK-UPS ON
A-BAT PLAN.

MKEC ENGINEERING, INC.
411 N. WEBB ROAD • WICHITA, KS 67206

☐ Reviewed
☐ Reviewed as Noted
☐ Not Required by the Contract Documents

☒ ~~Revise and Resubmit~~
☐ ~~Rejected~~

Reviewed for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. Contractor is responsible for dimensions to be confirmed and correlated at the job site; for information that pertains solely to the fabrication process or to techniques of construction; and for coordination of the work of all trades.

BY SAR DATE 10/20/16

PRELIMINARY DRAWINGS NOT TO BE USED FOR CONSTRUCTION	
	APPROVED AS SUBMITTED (NO CHANGES NOTED) PROCEED WITH FABRICATION
	APPROVED WITH CHANGES SHOWN PROCEED WITH FABRICATION
	RESUBMIT FOR APPROVAL WITH CHANGES SHOWN DO NOT PROCEED WITH FABRICATION
SCOPE OF WORK: Erection drawings, anchor bolt setting plans, design calculations, and any other data submitted to the Buyer for approval are the Seller's interpretation of the specifications and the basis for Seller's pricing. Buyer's changes to the submittal information shall be the basis of a change order.	
DATE:	
SIGNED:	

DATE	APPROVED	DATE	P.E.	CHK	END	ISSUE	DRG
		8/29/18	JWH	SR		FINANCIAL APPROVAL DRAWINGS	
							 1350 E 37th Street N Wichita, KS 67218 CITY of Wichita, Kansas 2305 E 57th Street South Wichita, KS 67216 A P L L C 101 AIRPORT RD. ST. LOUIS, MO 63129 DAD UP FILE
							JOB NO. 16J0164A REVISION NO. PAGE K1

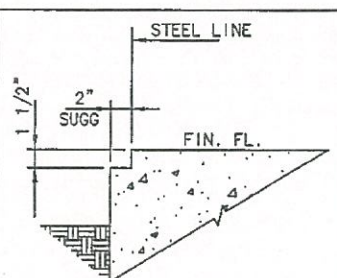
GENERAL NOTES

1. THIS PLAN IS FOR THE LAYOUT AND SETTING OF ANCHOR BOLTS ONLY. THE FOUNDATION DESIGN PROFESSIONAL SHOULD REVIEW AND INCORPORATE THIS PLAN INTO THE FOUNDATION DESIGN AND DETAILS.
2. THE FOUNDATION MUST BE DESIGNED TO RESIST THE REACTIONS SHOWN ON THE REACTION SHEET.
3. BRACING REACTIONS MUST BE COMBINED WITH LONGITUDINAL WIND (LONG WIND) FROM THE ELEMENTARY FRAME REACTIONS TO ACHIEVE MAXIMUM SHEAR AND UPLIFT.
4. ALL DIMENSIONS ARE BUILDING STEEL DIMENSIONS. REQUIREMENTS FOR SETTING NOTCHES, BRICK LEDGES, CHAMFERS, ETC. MUST BE ACCOUNTED FOR BY OTHERS.
5. ITEMS IN THE FOUNDATION (I.E. ANCHOR BOLTS, HAIRPINS, SHEAR ANGLES, ETC.) ARE TO BE FURNISHED BY CONCRETE CONTRACTOR UNLESS NOTED.
6. DIMENSION GOVERN. DRAWINGS ARE NOT TO SCALE.
7. ANCHOR BOLT SIZES ARE BASED ON A MATERIAL YIELD STRENGTH $F_y = 36$ KSI.

GENERAL NOTES:

FOR THE BUILDING(S) SUPPLIED BY THIS METAL BUILDING MANUFACTURER TO BOLT UP AND FIT PROPERLY ON THE CONCRETE, THE ANCHOR BOLTS MUST BE LOCATED BASED UPON THESE ANCHOR BOLT DRAWINGS. ANY DEVIATION FROM THE SETTINGS ON THESE DRAWINGS WILL CREATE AN OPPORTUNITY FOR THE MATERIALS SUPPLIED TO NOT FIT PROPERLY. THIS METAL BUILDING MANUFACTURER WILL NOT BE RESPONSIBLE FOR COSTS ASSOCIATED WITH REQUIRED MODIFICATIONS TO THE STEEL FROM IMPROPERLY LOCATED ANCHOR BOLTS.

The dimension from Gridline 3 (west edge of building) to Gridline 2A (centerline of partition) should be 9'-0" as marked on the Sheet B1 markup. This dimension was not given on the documents. Structural Engineer suggested 8'-2 1/2" and asked for the Architect to verify. The 9'-0" markup is the Architect's verification.

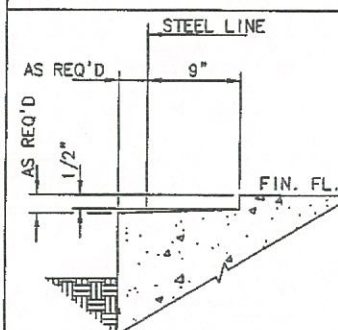


SUGGESTED NOTCH DETAIL
(RECOMMENDED FOR USE ON ALL BLDGS WITHOUT BASE ANGLE TRIM)

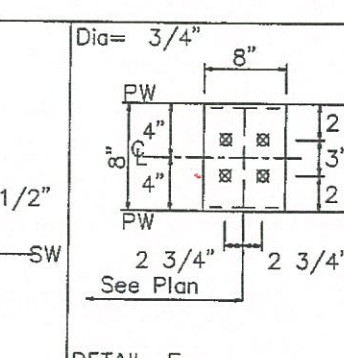
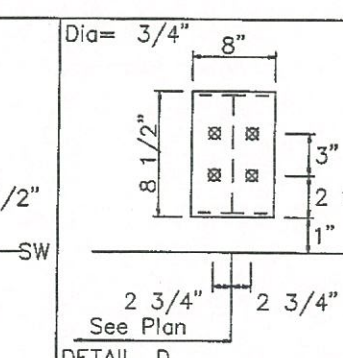
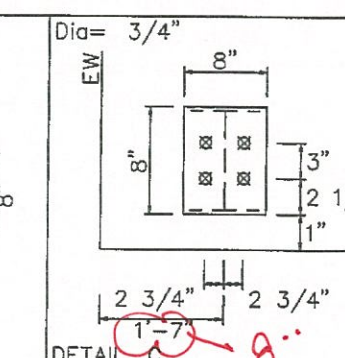
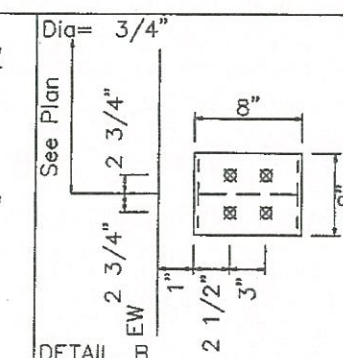
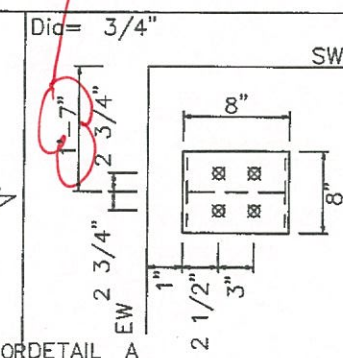
AS REQ'D	1 1/4"		1 1/4"
(A) 12-0 x 10-0	6-1 1/4	6-1 1/4	1 (ONE) REQ'D
(B) 6-4 x 7-2	3-3 1/4	3-3 1/4	2 (TWO) REQ'D
(C) 3-4 x 7-2	1-8 1/4	1-8 1/4	5 (FIVE) REQ'D
(D) 5-4 x 5-4	2-9 1/4	2-9 1/4	1 (ONE) REQ'D
(E) 4-7 x 4-0	2-4 3/4	2-4 3/4	1 (ONE) REQ'D

FACTORY AND FIELD LOCATED FRAMED OPENING DETAIL

FACTORY AND FIELD LOCATED FRAMED OPENING DETAIL

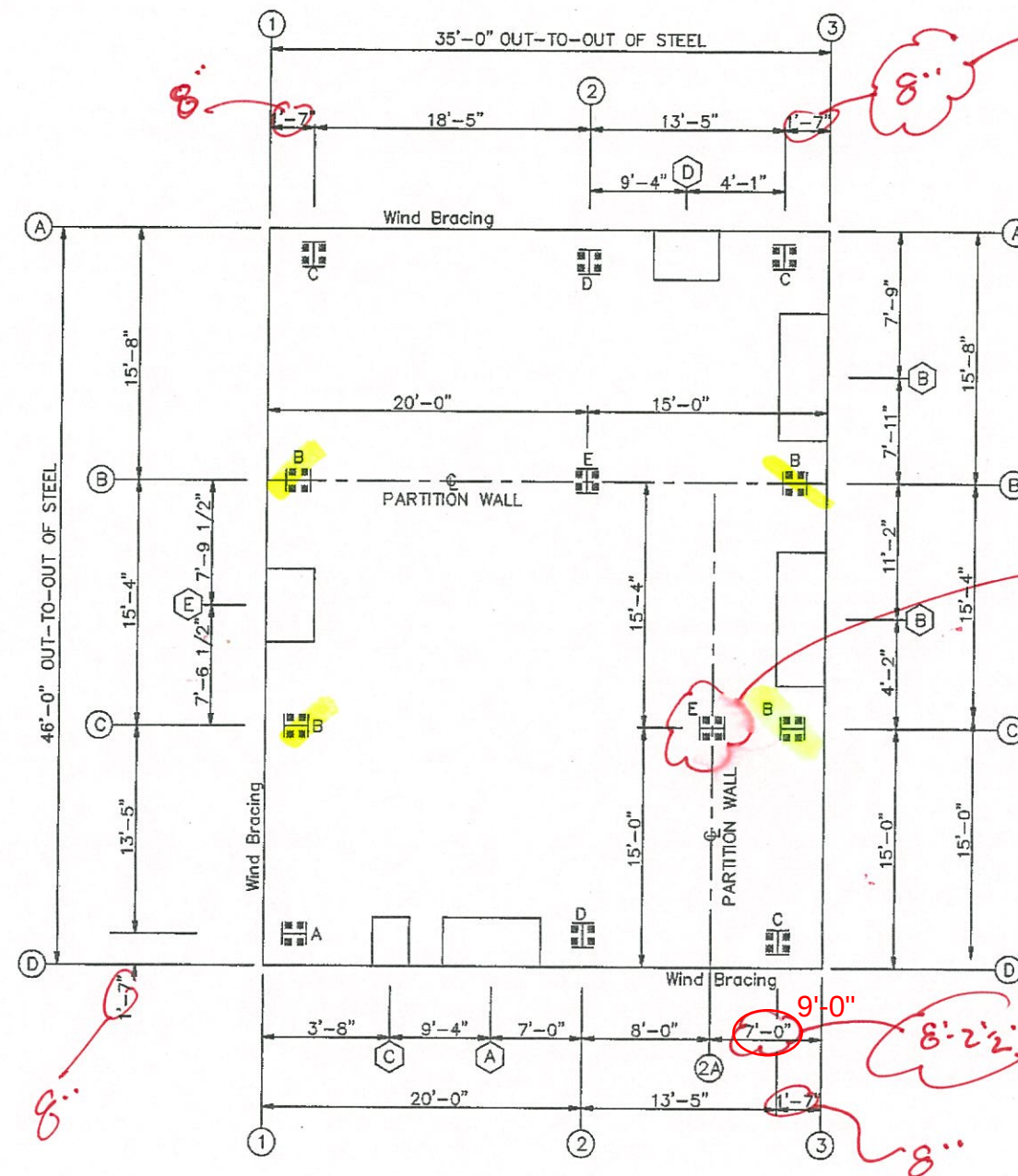


SECTION THRU OVERHEAD DOOR



ANCHOR BOLT PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)
--- Partition Wall (See KeyDwg)



NOTE: 16" SQ. PIER @ CORNERS FOR COL. BEARING. KEEP DIM'S @ 8" TO CENTER COLUMNS ON PIERS.

NOTE: CURRENTLY NO FR. @ THIS LOC. → G.C. PROVIDE PAD FR. @ COL. BEU. LOC.

ARCH VERIFY

QTY.	MARK	DIA.	THREAD
40	AB1	1/2"	3"
48	AB3	3/4"	3"
40	1/2" DIA. NUTS		
48	3/4" DIA. NUTS		

DATE	APPROVED	DATE	APPROVED	DATE	APPROVED
6/29/16		6/29/16		6/29/16	
DATE	CHK	ENG	P.E.	DATE	APPROVED
JUL	JAM	SRR	JAM		
ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE
ANCHOR BOLT - APPROVAL DRAWINGS					
DRG	1330 E 37th Street N	Wichita, KS 67218	City of Wichita Kansas	2305 E 37th Street South	Wichita, KS 67216
MANUFACTURER'S	MANUFACTURER'S	MANUFACTURER'S	MANUFACTURER'S	MANUFACTURER'S	MANUFACTURER'S
101 APPROVE	101 APPROVE	101 APPROVE	101 APPROVE	101 APPROVE	101 APPROVE
FILE	FILE	FILE	FILE	FILE	FILE
JOB NO.	16J0164A				
REVISION NO.					
PAGE	B1 OF 2				

JOB NO.		REVISION NO.		PAGE	
16J0164A				E4 OF 14	

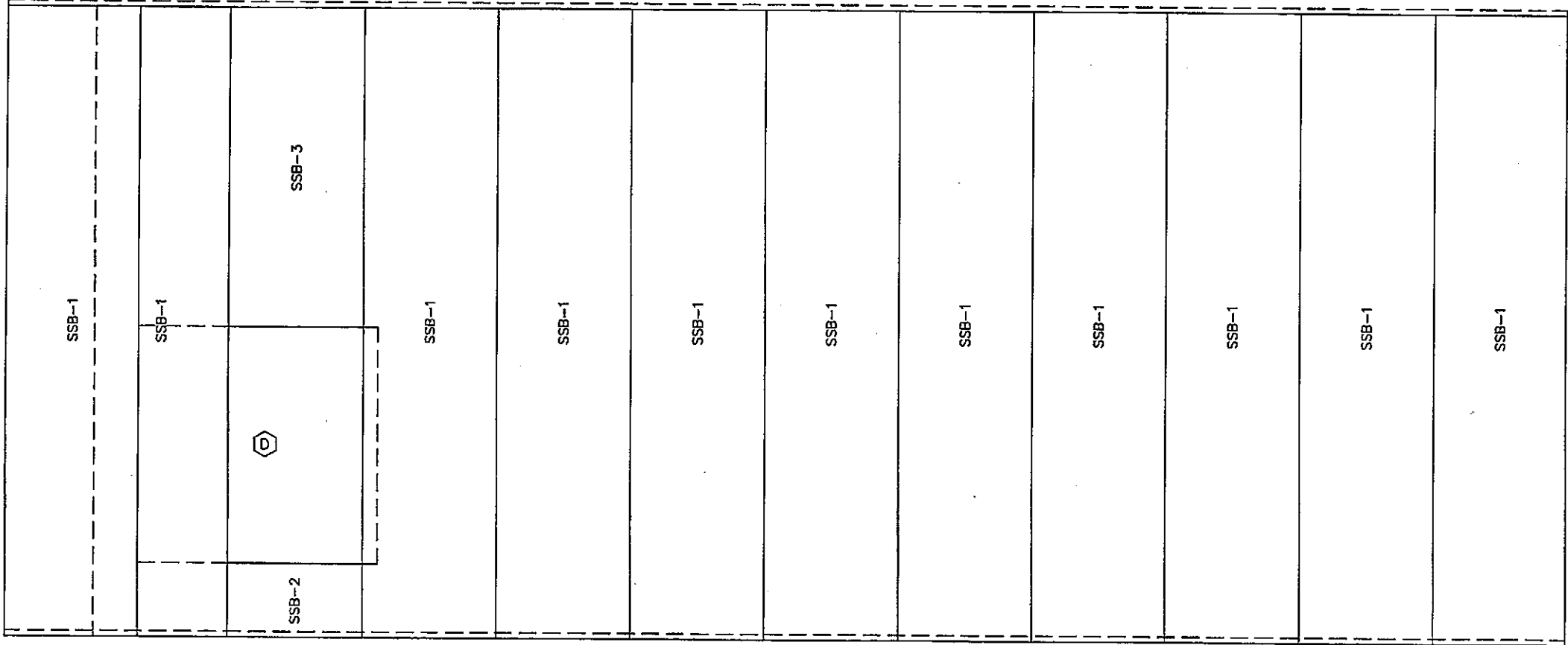


PANEL TABLE		
FRAME LINE A		
QTY	MARK	LENGTH
11	SSB-1	14'-0"
1	SSB-2	3'-0"
1	SSB-3	7'-1 1/2"

③

②

①



SIDEWALL SHEETING & TRIM: FRAME LINE A
 PANELS: 24 Ga. R-PANEL - COLOR NEEDED

DBC 1330 E. 37th Street N Wichita, KS 67218 City of Wichita, Kansas 2303 E 37th Street South Wichita, KS 67218		ISSUE FRAMING APPROVAL, DRAWINGS		DATE 6/29/16	APPROVED 	DATE
JOB NO. 16J0164A		REVISION NO.		PAGE E5 OF 14		

	DRC	ISSUE	CWJ	JUN	SOC	P/E	RATE	APPROVED	DATE
GULF STATES MANUFACTURERS • A MILLING COMPANY 101 ARBORET RD. STANLEY, KS 677-98	1330 E 32nd Street N Wichita, KS 6721B City of Wichita Kansas 2305 E 57th Street South Wichita, KS 67216	FARMER OFFICIAL COMMENTS	AUG				\$25/18		
QAO GP									
FE	RF 48'-0 x 35'-0 X 14'-0 EH ROOF SLOPE 2:12								

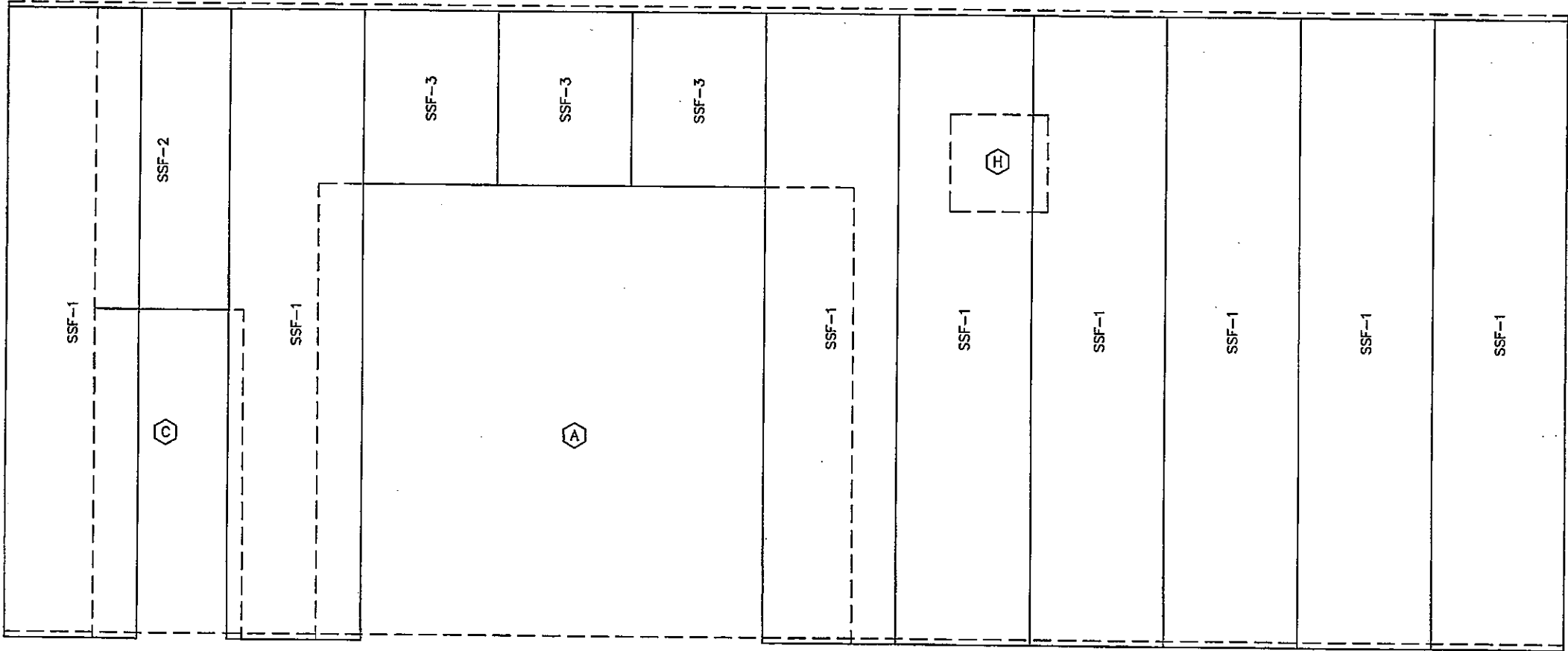


PANEL TABLE		
FRAME LINE D		
QTY	MARK	LENGTH
8	SSF-1	14'-0"
1	SSF-2	6'-8 1/2"
3	SSF-3	3'-10 1/2"

①

②

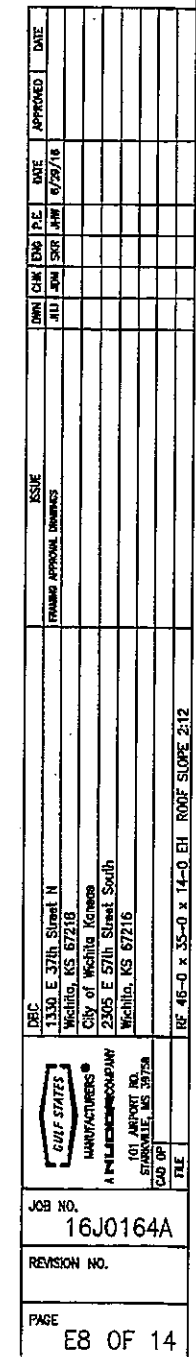
③



SIDEWALL SHEETING & TRIM: FRAME LINE D
 PANELS: 24 Ga. R-PANEL COLOR NEEDED

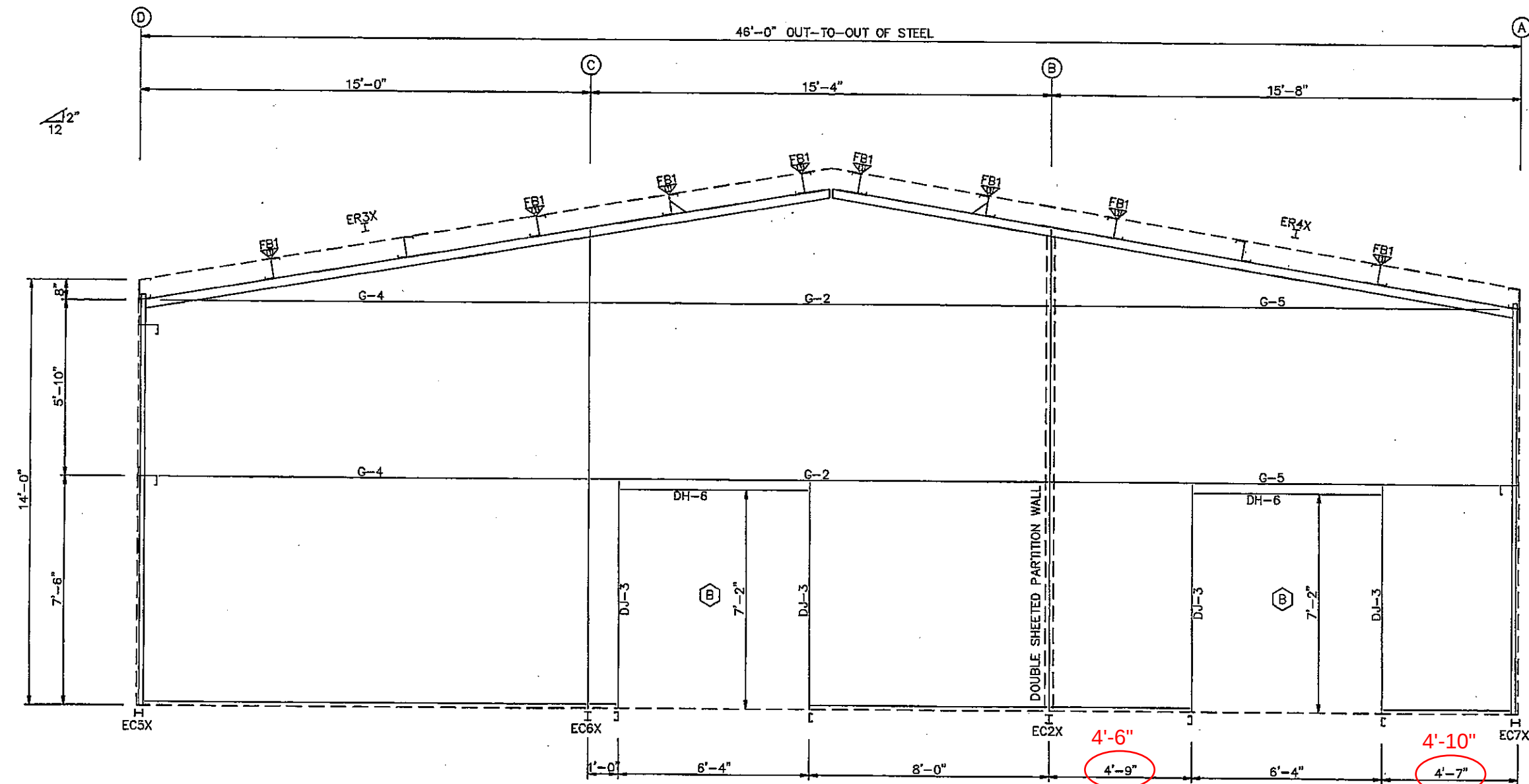
DBC 1330 E. 57th Street N Wichita, KS 67218 City of Wichita Kansas 2205 E. 57th Street South Wichita, KS 67218 RF: 48-0 x 35-0 x 14-0 EH ROOF SLOPE 2:12		ISSUE FRAME APPROVAL DRAWING		DWN #12	CHK #12	ENG JRM	P.E. JRM	DATE 8/27/18	APPROVED DATE
GULF STATES MANUFACTURING 101 IMPORT RD. SPARKVILLE MS 39279 601-937-1111									
JOB NO. 16J0164A		REVISION NO.		PAGE E7 OF 14					

MEMBER TABLE		
FRAME LINE 1		
H	MARK	PART
	EC1X	W8 9.62
	EC2X	W8 9.62
	EC3X	W8 9.62
	EC4X	W8 9.62
	ER1X	W1010.47
	ER2X	W1010.47
	DJ-1	8X25C14
	DJ-2	8X25C14
	DH-1	8x25C16
	DH-2	8x25C16
	DS-1	8x25C16
	DS-2	8x25C16
	G-1	8X25z16
	G-2	8X25z16
	G-3	8X25z16
	WRR201K	WRR20_K
	WRR202K	WRR20_K



BOLT TABLE				
FRAME LINE 3				
LOCATION	QTY	TYPE	DIA	LENGTH
Cor_Column/Raf	4	A325	1 1/2"	1 1/4"
ER-3/ER-4	8	A325	3/4"	2"
Int_Column/Raf	4	A325	1 1/2"	1 1/4"

MEMBER TABLE		
FRAME LINE 3		
MARK	PART	LENGTH
EC2X	W8 9.62	
EC5X	W8 9.62	
EC6X	W8 9.62	
EC7X	W8 9.62	
ER3X	W1010.47	
ER4X	W1010.47	
DJ-3	8X25C14	
DH-6	8x25C16	
G-2	8X2516	
G-4	8X2516	
G-5	8X2516	

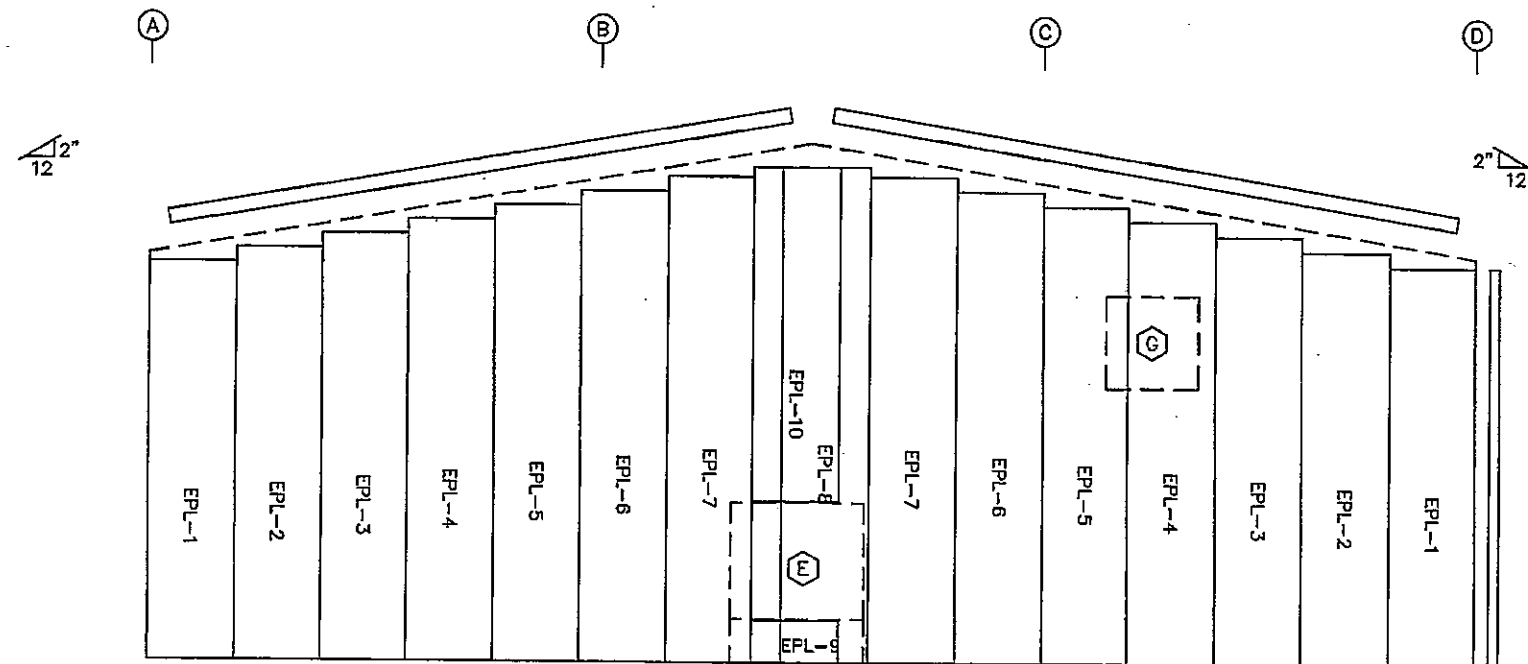


ENDWALL FRAMING: FRAME LINE 3

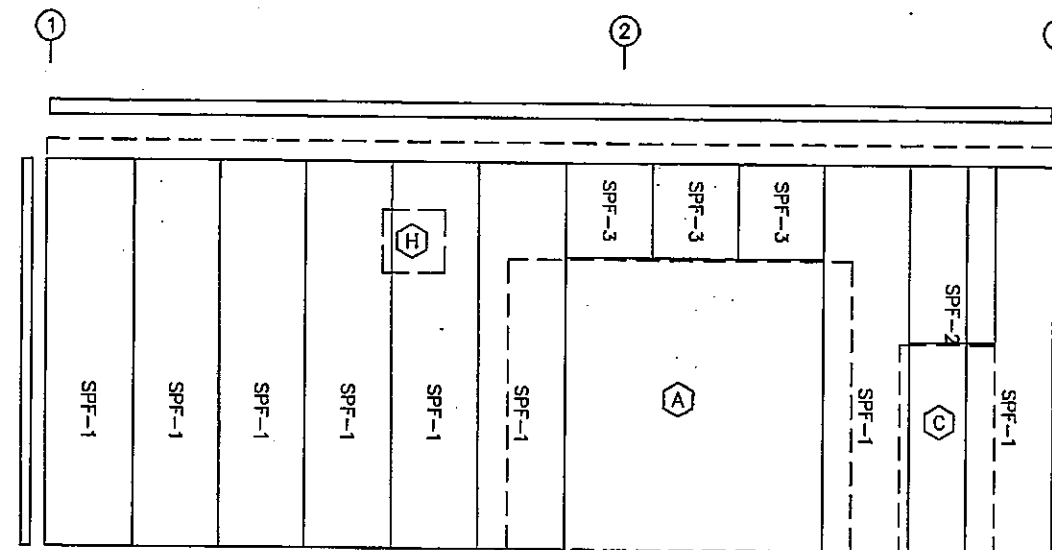
PER RFI-WC-012 Sub-026 Metal Bldg Door Size

[illegible]

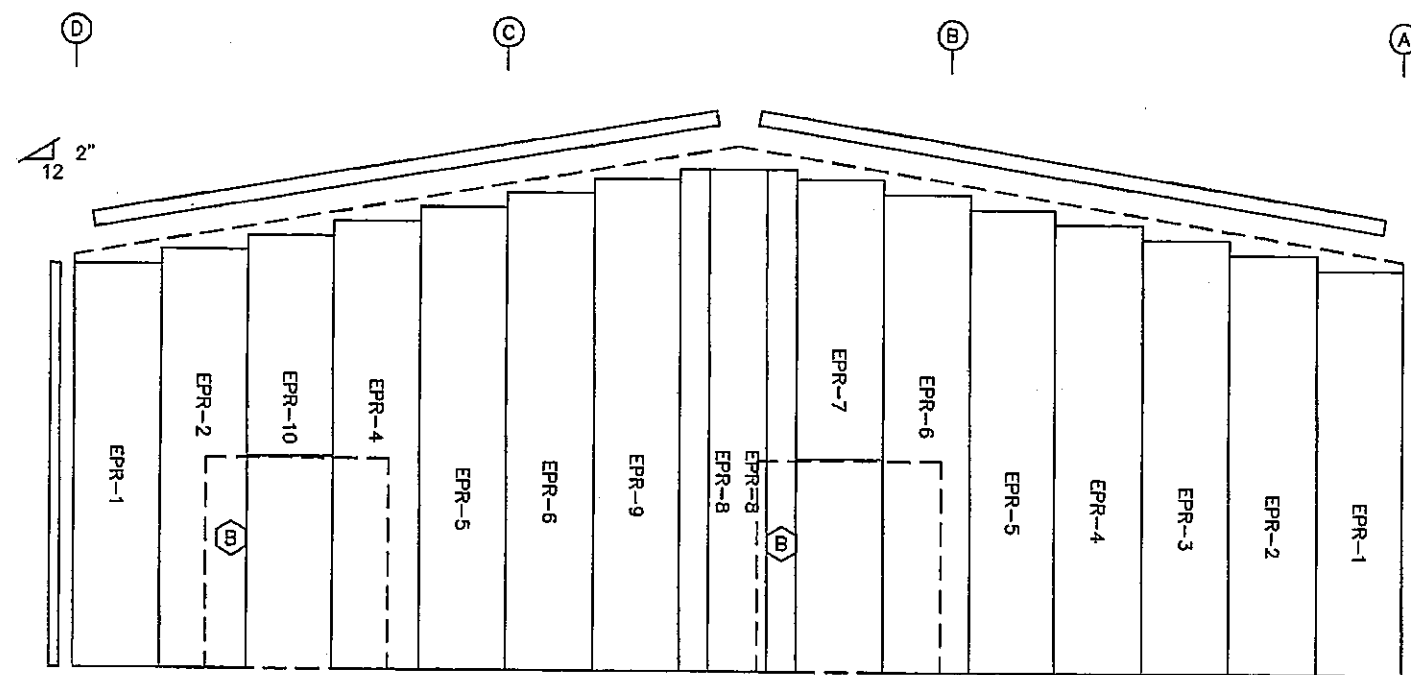
LINER PANEL TABLE FRAME LINE 1 D 3 A		LINER PANEL TABLE FRAME LINE 1 D 3 A	
MARK	LENGTH	MARK	LENGTH
SPB-1	13'-3 1/2"	EPL-1	13'-8 1/4"
SPB-2	1'-5 1/4"	EPL-2	14'-2 1/4"
SPB-3	6'-5 3/4"	EPL-3	14'-8 1/4"
RP-1	13'-11 3/4"	EPL-4	15'-2 1/4"
RP-2	9'-8 1/2"	EPL-5	15'-8 1/4"
RP-3	9'-7 1/4"	EPL-6	16'-2 1/4"
RP-4	13'-8 1/2"	EPL-7	16'-8 1/4"
		EPL-8	17'-0 1/4"
		EPL-9	1'-5 1/4"
		EPL-10	11'-5 1/2"
		SPF-1	13'-3 1/2"
		SPF-2	6'-0 3/4"
		SPF-3	3'-2 3/4"
		EPR-1	13'-8 1/4"
		EPR-2	14'-2 1/4"
		EPR-3	14'-8 1/4"
		EPR-4	15'-2 1/4"
		EPR-5	15'-8 1/4"
		EPR-6	16'-2 1/4"
		EPR-7	9'-5 1/2"
		EPR-8	17'-0 1/4"
		EPR-9	16'-8 1/4"
		EPR-10	7'-5 1/2"



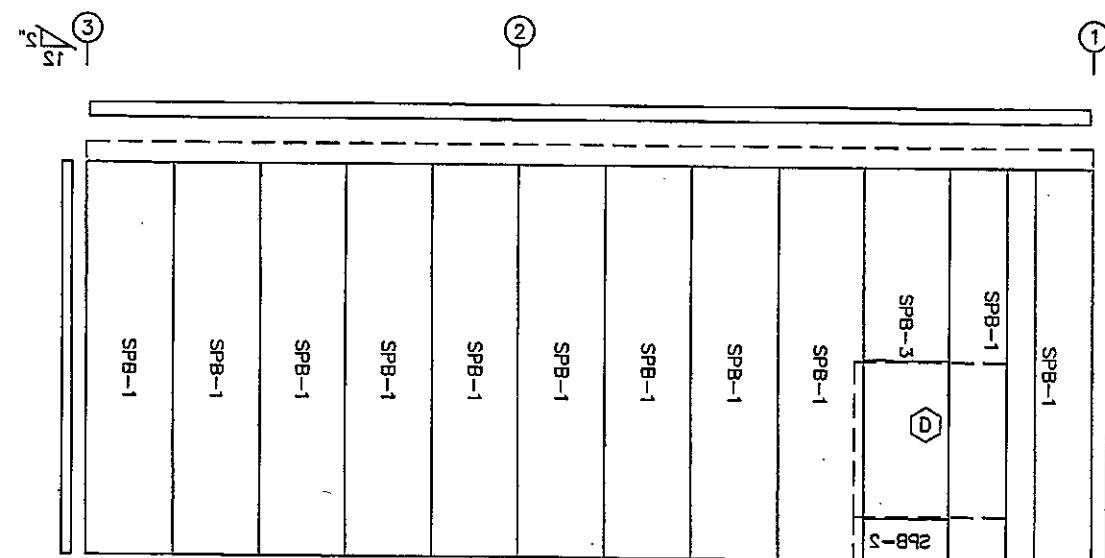
ENDWALL LINER SHEETING & TRIM: FRAME LINE 1
PANELS: 24 Ga. R-PANEL - COLOR NEEDED



SIDEWALL LINER SHEETING & TRIM: FRAME LINE D
PANELS: 24 Ga. R-PANEL - COLOR NEEDED



ENDWALL LINER SHEETING & TRIM: FRAME LINE 3
PANELS: 24 Gs. R-PANEL - COLOR NEEDED



SIDEWALL LINER SHEETING & TRIM: FRAME LINE A
PANELS: 24 Ga. R-PANEL - COLOR NEEDED

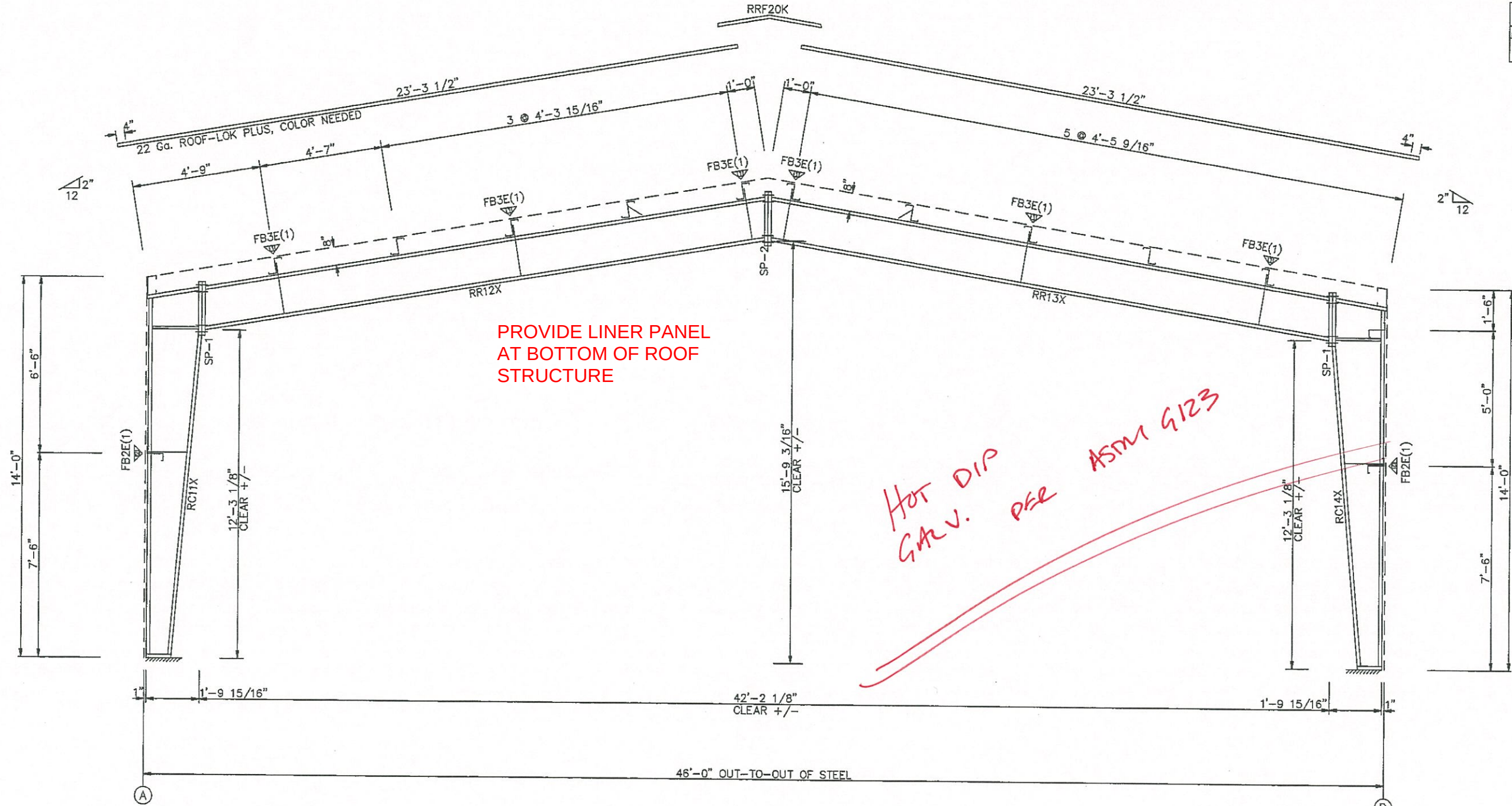
 GULF STATES MANUFACTURERS OF AERIAL LIFTING COMPANIES 101 AVENUE CD STAMPALE, MS 38759 CAD. OF	JOB NO.		16J0164A	
	REVISION NO.			
PAGE		E13 OF 14		
DRC	1530 E 37th Street N Wichita, KS 67218 City of Wichita Kansas 2305 E 37th Street South Wichita, KS 67216	ISSUE	TRANS. APPROV. INCHES	
DWG. CHK.	DWG. P.L.	DATE	APPROVED	DATE
JULI	JUN	SUR	3/16	6/29/18
RF 45-D x 35-D x 14-D EH ROOF SLOPE 2:12				
FILE				

SPICE PLATE & BOLT TABLE									
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Width	Thick
SP-1	4	4	0	A325	0.750	2.00	6"	1/2"	2'-2"
SP-2	4	4	0	A325	0.750	2.00	5"	1/2"	2'-1 15/16"

FLANGE BRACES: Both Sides(U.N.)
 FBxxE(1)
 E - 12GAX334

MEMBER TABLE					
Mark	Web Depth	Web Plate	Outside Flange		Inside Flange
	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length
RC11X	8.0/21.5	0.125	141.9	5 x 3/16" x 159.4	5 x 1/4" x 142.5
RR12X	21.5/21.5	0.164	21.0	5 x 3/16" x 23.0	
RR13X	16.0/16.0	0.135	160.0	5 x 3/16" x 255.3	5 x 5/16" x 172.0
	16.0/16.0	0.125	97.9	5 x 3/16" x 255.3	5 x 3/16" x 83.2
RC14X	16.0/16.0	0.135	160.0	5 x 3/16" x 255.3	5 x 5/16" x 172.0
	21.5/21.5	0.164	21.0	5 x 3/16" x 23.0	5 x 1/4" x 142.5
	21.5/ 8.0	0.125	141.9	5 x 3/16" x 159.4	

CONNECTION PLATES	
ID	Mark/Part
1	CL13
2	h2



RIGID FRAME ELEVATION: FRAME LINE 2

DATE	APPROVED	DATE	APPROVED	DATE	APPROVED
8/27/16					

ISSUE	FRAMING APPROVAL DRAWINGS
DATE	8/27/16
BY	DRG
CHECKED	DRG
ENGINEER	DRG
ARCHITECT	DRG
OWNER	DRG

1330 E. 37th Street N	Wichita, KS 67218
City of Wichita Kansas	2305 E. 57th Street South
Wichita, KS 67216	

RF 46-0 x 35-0 x 14-0 EH ROOF SLOPE 2:12
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 GULF STATES MANUFACTURING COMPANY 101 AIRPORT RD. STARKVILLE, MS 39759 CAD OP FILE
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GULF STATES MANUFACTURERS

A NUCCOR COMPANY

- PAGE

ISSUE DATE
03-16-92

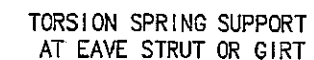
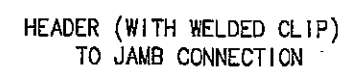
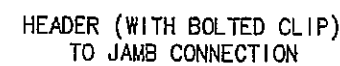
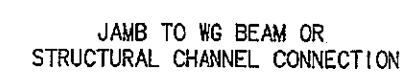
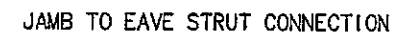
REV	
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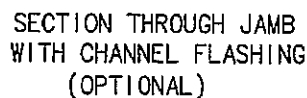
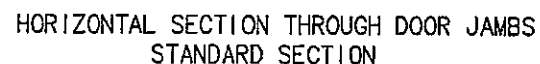
REV. NO.
1[illegible]

 MANUFACTURERS® A NUCOR COMPANY 101 AIRPORT RD. STARKVILLE, MS 39759 (662) 323-8021	CAD OR FILE
	(662) 323-8021

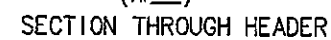
PAGE
AP 1 OF 5

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FRAMED OPENING INSTALLATION DETAILS WITH SHADOW PANEL/R-PANEL WALLS

[illegible]

