

A325 BOLT TIGHTENING REQUIREMENTS:

All High strength bolts are A325-N Unless noted otherwise.

Structural bolts shall be tightened by the snug tight method in accordance with the 2014 edition AISC "Specification for Structural Joints" using ASTM A325 or A490 Bolts. When Specifically required, A325-N bolts are Supplied without washer unless noted on the drawings as provided by MANUFACTURER.

All bolted connections unless noted are designed as bearing type connections with threads not excluded from the shear plane.



LARIAT STEEL DESIGN

78 AIRPORT LANE ----- ADEL, GEORGIA 31620
PHONE:(229)896-2022 ----- FAX:(229)896-2033
EMAIL: lariatsteeldesign@gmail.com

DRAWING LEGEND

CVR-COVER PAGE
01-ANCHOR BOLT PLAN
02-ANCHOR BOLT DETAILS
03-ANCHOR BOLT REACTIONS
04-ANCHOR BOLT REACTIONS
05-RIGID FRAME ELEVATION
06-RIGID FRAME ELEVATION
07-RIGID FRAME ELEVATION
08-RIGID FRAME ELEVATION
09-RIGID FRAME ELEVATION
10-RIGID FRAME ELEVATION
11-RIGID FRAME ELEVATION
12-RIGID FRAME ELEVATION
13-RIGID FRAME ELEVATION
14-ROOF FRAMING
15-ROOF SHEETING
16-ENDWALL FRAMING/SHEETING
17-ENDWALL FRAMING/SHEETING
18-SIDEWALL FRAMING/SHEETING
19-SIDEWALL FRAMING/SHEETING
20-LEAN-TO SIDEWALL FRAMING/SHEETING
21-PARTITION WALL SHEETING/FRAMING
22-JACK FRAMES
23-DETAILS
24-DETAILS
25-DETAILS

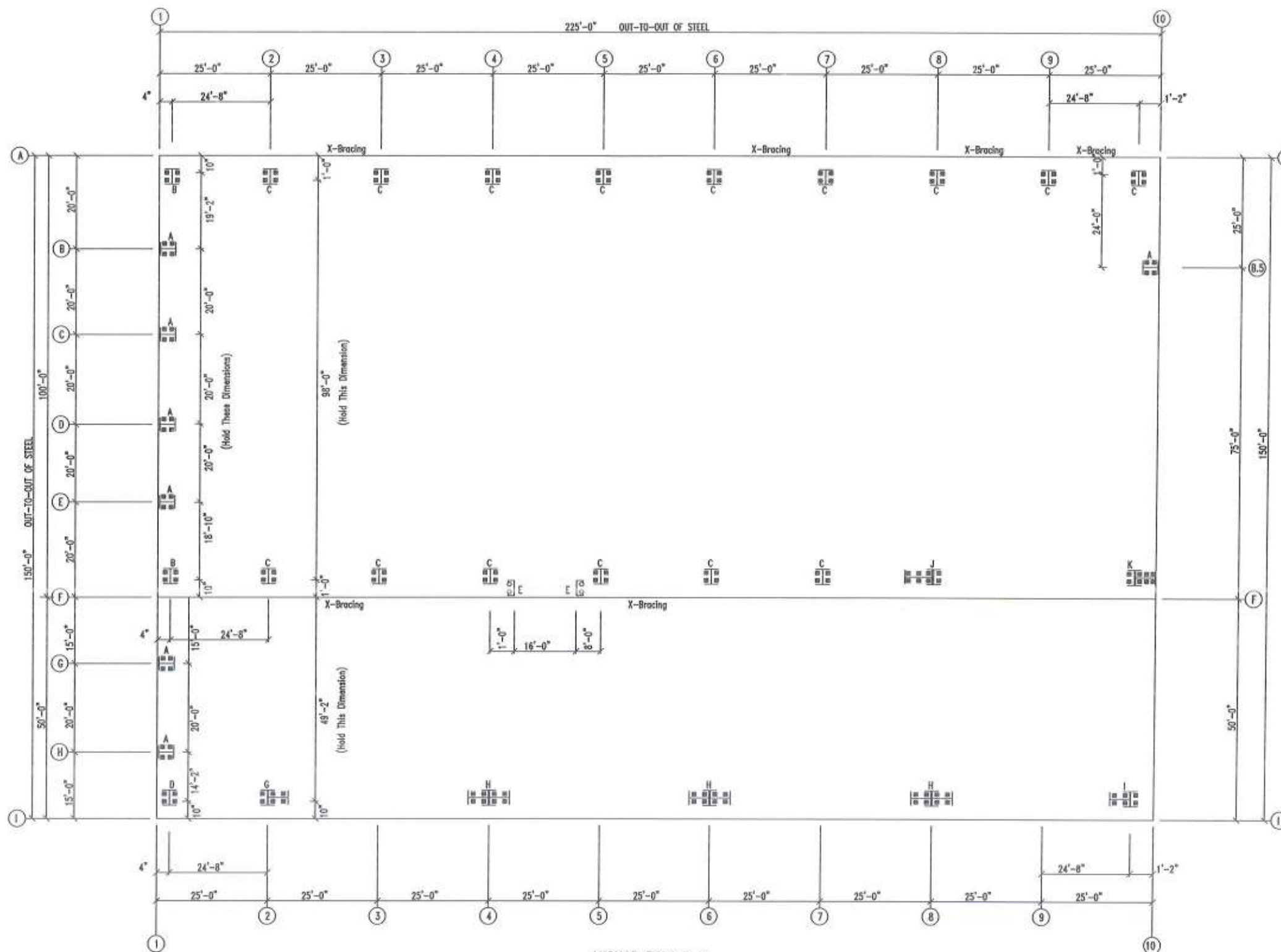
CUSTOMER: ASSIGN COMMERCIAL GROUP
PROJECT NAME: CAPITAL METALS SUPPLY

C.D.#: 19-173
DRAFTER: RLH
DATE: 9/3/19

Gregory S. Barfield, P.E.
2149 Neil Purvis Road
Adel, GA 31620
P.E. # 54419



Ag 5 Dh
3-26-20



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



Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

gsh
3-26-20

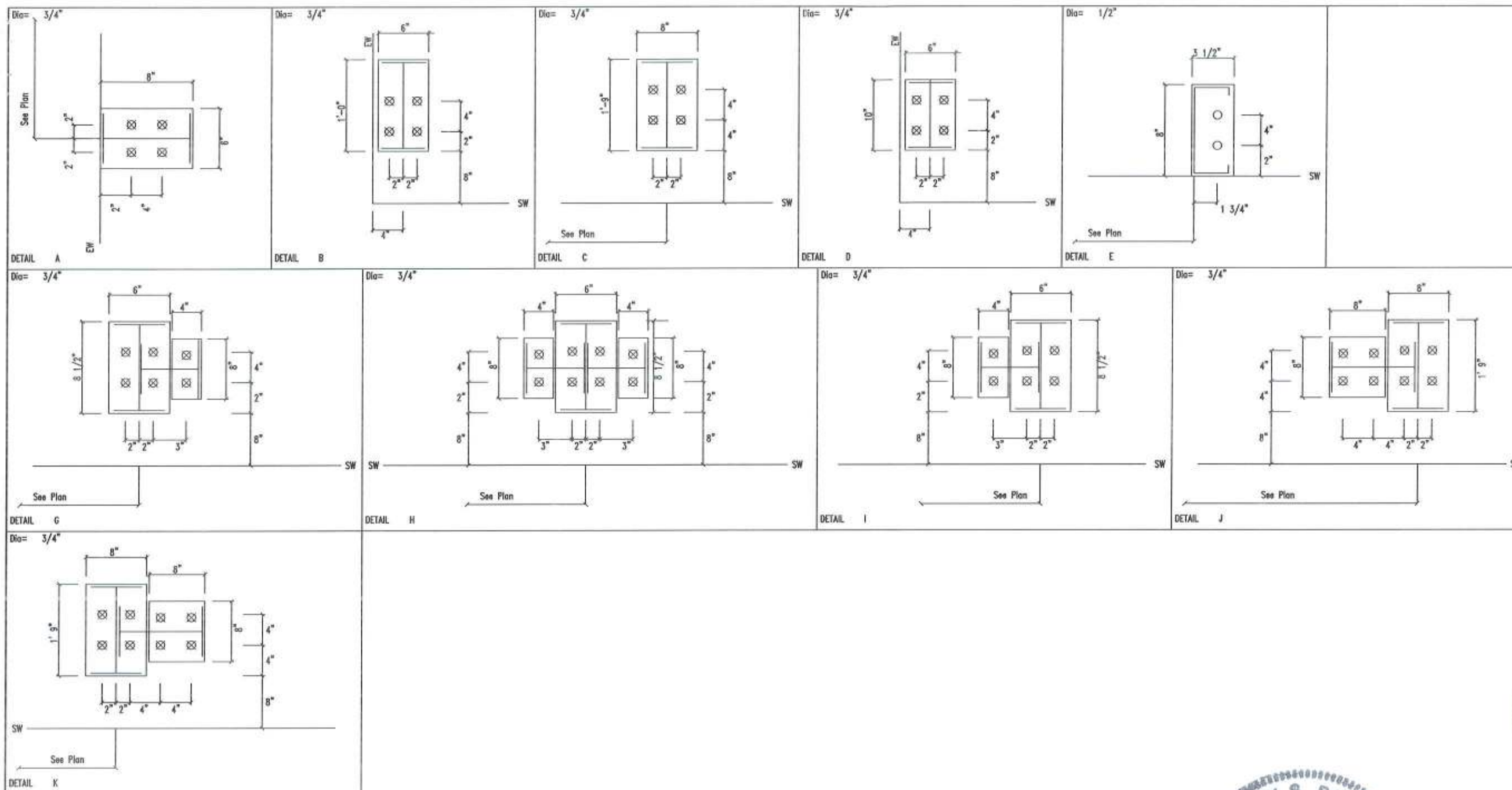


LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		

DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST):	120 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	II - Normal

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DWN:	RLH	DATE:	9/11/19
SCALE:	N.T.S.		
DRAWING TITLE:	ANCHOR BOLT PLAN		
			1 OF 25



GENERAL NOTES



LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		



Gregory S. Barfield, P.E.
2149 Neil Purvis Road
Adel, GA 31620
P.E. # 54419

By: S. Barfield
3-26-20

DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	II - Normal

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DATE:	9/11/19	SCALE:	N.T.S.
DRAWING TITLE:	ANCHOR BOLT DETAILS	DRAWING:	2 OF 25

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)	=	100.0
Length (ft)	=	225.0
Eave Height (ft)	=	25.5/ 25.5
Roof Slope (rise/run)	=	2.0/ 2.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	0.5
Roof Live Load (psf)	=	20.0
Frame Live Load (psf)	=	12.0
Wind Speed (mph)	=	128.0
Wind Code	=	FBC 17 (IBC 15)
Exposure	=	C
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	B
Seismic Coeff (F _a /S _s)	=	0.18

5. Loading conditions are:

- Dead+Collateral+Live
- Dead+0.6Wind_Long1R
- Dead+Collateral+0.75Live+0.45Wind_Right1
- Dead+Collateral+0.75Live+0.45Wind_Long2L
- Dead+Collateral+0.75Live+0.45Wind_Long2R
- 0.6Dead+0.6Wind_Left1
- 0.6Dead+0.6Wind_Right1
- 0.6Dead+0.6Wind_Long1L
- 0.6Dead+0.6Wind_Long1R
- 0.6Dead+0.6Wind_Long2L
- 0.6Dead+0.6Wind_Long2R
- 1.0Dead+1.0Collateral+0.75Seismic_Right1
- Dead+Collateral+F2PAT_LL_1
- Dead+Collateral+F3PAT_LL_1
- Dead+Collateral+F4PAT_LL_1
- 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
- 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
- Dead+Collateral+E1PAT_LL_6
- Dead+Collateral+E2PAT_LL_2

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

Frame Line	Col Line	Column Baseplate(h)						Bolt(h)	Dia	Beam Flange(h)	Beam Web	Total	Grout (in)
		Load Id	Hmax	V	Hmin	Vmin	Y						
2*	A	6	26.5	-3.2	1	-18.9	4.1	12	1.000	16.00	24.50	1.250	0.0
2*	F	12	1.6	10.1	8	26.5	-5.2	12	1.000	16.00	24.50	1.250	0.0
2*	F	6	19.8	-953.0	1	-25.4	894.6	12	1.000	16.00	24.50	1.250	0.0
		1	-25.4	894.6	10	17.5	-981.8						
10	Column Base	1	2	3	4	5	6	7	8	9	10		

BUILDING BRACING REACTIONS

Loc	Line	Col Line	Wind	Seismic	Panel Shear (lb/ft)	Note
L_EW	1					(h)
F_SW	F	3.4	3.0	0.3	0.3	
		5.6	3.0	0.3	0.3	
		7.8	3.0	0.3	0.3	
		9.10	3.0	0.3	0.3	
R_EW	10					(h)
B_SW	A	10.9	4.7	0.6	0.6	
		8.7	4.7	0.6	0.6	
		6.5	4.7	0.6	0.6	
		4.3	4.7	0.6	0.6	

(h) Rigid frame at endwall

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Total Len (in)	Bend Len (in)	Proj (in)
4	Jamb	1/2"	A307	3.75		1.50
28	Endwall	3/4"	A307			2.50
76	Frame	3/4"	A307		3.00	2.50

Gregory S. Bartfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

RIGID FRAME:

BASIC COLUMN REACTIONS (k)

Frame	Column	---Dead---		---Collateral---		---Live---		---Wind_Left1---		---Wind_Right1---		---Wind_Left2---		
Line	Line	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	
10	A	-2.1	-0.6	-0.2	-0.2	-5.5	-5.2	5.0	4.1	14.5	11.5	-0.1	2.3	
10	F	-1.8	84.5	-0.2	9.7	-4.9	229.6	2.7	-383.8	12.0	-523.4	1.7	-157.1	
10	B.5	0.0	4.7	0.0	0.4	0.0	10.4	0.0	-17.9	0.0	-20.2	0.0	-10.1	
10	Ø50.0	0.0	3.5	0.0	0.2	0.0	5.9	0.0	-10.0	0.0	-10.6	0.0	-5.9	
10	Ø75.0	0.0	0.2	0.0	-0.1	0.0	-2.4	0.0	1.8	0.0	3.6	0.0	1.4	
Frame	Column	---Wind_Right2---		---Wind_Long1---		---Wind_Long2---		---Seismic_Left		Seismic_Right		---Seismic_Long		
Line	Line	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	
10	A	9.4	9.6	14.4	2.3	12.1	1.9	-0.4	-0.4	0.4	0.4	0.0	-0.6	
10	F	11.0	-296.7	6.0	-653.2	3.7	-658.4	-0.4	0.3	0.4	-0.3	0.0	-0.3	
10	B.5	0.0	-12.3	0.0	-27.8	0.0	-17.8	0.0	0.4	0.0	-0.4	0.0	0.0	
10	Ø50.0	0.0	-6.4	0.0	-12.3	0.0	-12.2	0.0	0.1	0.0	-0.1	0.0	0.0	
10	Ø75.0	0.0	3.2	0.0	6.9	0.0	-3.1	0.0	-0.4	0.0	0.4	0.0	0.0	
Frame	Column	FIPAT_LL_1-		FIPAT_LL_2-		FIPAT_LL_3-		FIPAT_LL_4-		FIPAT_LL_5-				
Line	Line	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert			
10	A	0.1	1.8	-0.2	-0.5	0.1	0.2	0.1	2.2	0.1	-0.2			
10	F	-0.1	0.2	0.2	-0.5	-0.1	1.8	-0.1	-0.2	-0.1	2.2			
10	B.5	0.0	4.3	0.0	2.3	0.0	-0.4	0.0	1.6	0.0	2.3			
10	Ø50.0	0.0	2.0	0.0	4.3	0.0	2.0	0.0	2.0	0.0	2.0			
10	Ø75.0	0.0	-0.4	0.0	2.3	0.0	4.3	0.0	2.3	0.0	1.6			
Frame	Column	---Dead---		---Collateral---		---Live---		---Wind_Left1---		---Wind_Right1---		---Wind_Left2---		
Line	Line	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	
2*	A	-4.7	3.1	-0.6	0.0	-14.6	1.0	20.6	-9.3	38.4	3.3	2.9	-7.9	
2*	F	-7.3	227.2	-0.7	27.0	-17.3	640.5	27.9	-1082.2	36.4	-1457.5	14.5	-446.1	
Frame	Column	---Wind_Right2---		---Wind_Long1---		---Wind_Long2---		---Seismic_Left		Seismic_Right		---Seismic_Long		
Line	Line	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	
2*	A	20.7	4.7	48.8	-11.8	44.7	-2.5	-0.4	-0.2	0.4	0.2	0.0	-0.6	
2*	F	23.4	-821.4	40.6	-1815.6	36.4	-1830.2	-0.5	0.2	0.5	-0.2	0.0	-0.3	
Frame	Column	F2PAT_LL_1-												
Line	Line	Horiz	Vert											
2*	A	6.8	15.0											
2*	F	-6.8	15.0											
Frame	Column	---Dead---		---Collateral---		---Live---		---Wind_Left1---		---Wind_Right1---		---Wind_Left2---		
Line	Line	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	
1	A	1.5	3.2	0.2	0.3	4.6	7.8	-13.3	-18.8	-4.8	-13.4	-10.1	-10.5	
1	F	-1.5	4.2	-0.2	0.5	-4.5	11.6	2.8	-18.0	11.7	-26.8	1.8	-7.2	
Frame	Column	---Wind_Right2---		---Wind_Long1---		---Wind_Long2---		---Seismic_Left		Seismic_Right		F3PAT_LL_1-		
Line	Line	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	
1	A	-1.6	-5.1	-9.3	-24.8	-11.2	-20.0	-0.3	-0.1	0.3	0.1	4.7	7.8	
1	F	10.7	-16.0	6.2	-30.1	4.2	-34.9	-0.3	0.1	0.3	-0.1	-4.7	7.8	
2*	Frame lines:	2	3	4	5	6	7	8						

ENDWALL COLUMN:

BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Varf	Wind Press		Wind Suct		Bolt Qty	Dia	Base Plate(in)			Grout (in)
			Horz	Vert	Suct Horz	Suct Vert			Width	Length	Thick	
1	B	0.5	-7.9	8.7								
1	C	0.6	-8.9	9.8								
1	D	0.6	-8.9	9.8								
1	E	0.5	-7.9	8.7								
10	B.5	0.4	-5.6	6.2								

ENDWALL COLUMN:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

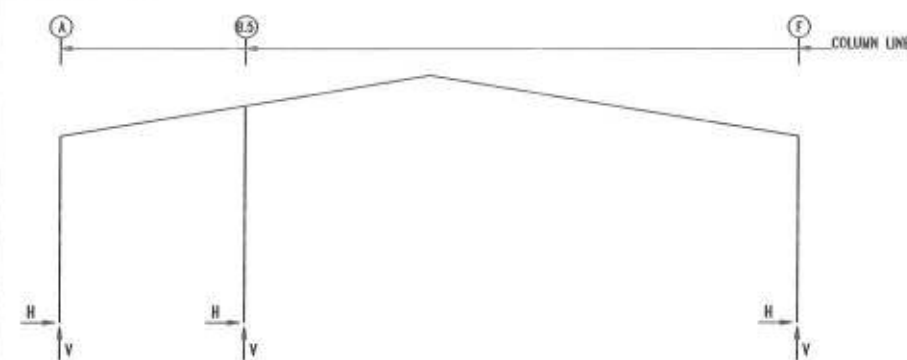
Frm Line	Col Line	Column Reactions(k)					V Ymin	Bolt(in)	Dia	Base Plate(in)			Grout (in)
		Load Id	Hmax H	V Ymax	Load Id	Hmin H				Width	Length	Thick	
1	B	16	5.2	0.3	17	-4.7	0.3	4	0.750	6.000	8.500	0.500	0.0
		18	0.0	0.5									
1	C	16	5.9	0.4	17	-5.3	0.4	4	0.750	6.000	8.500	0.500	0.0
		12	0.0	0.6									
1	D	16	5.9	0.4	17	-5.3	0.4	4	0.750	6.000	8.500	0.500	0.0
		12	0.0	0.6									
1	E	16	5.2	0.3	17	-4.7	0.3	4	0.750	6.000	8.500	0.500	0.0
		18	0.0	0.5									
10	B.5	16	3.7	0.3	17	-3.4	0.3	4	0.750	6.000	8.500	0.500	0.0
		19	0.0	0.4									

RIGID FRAME:

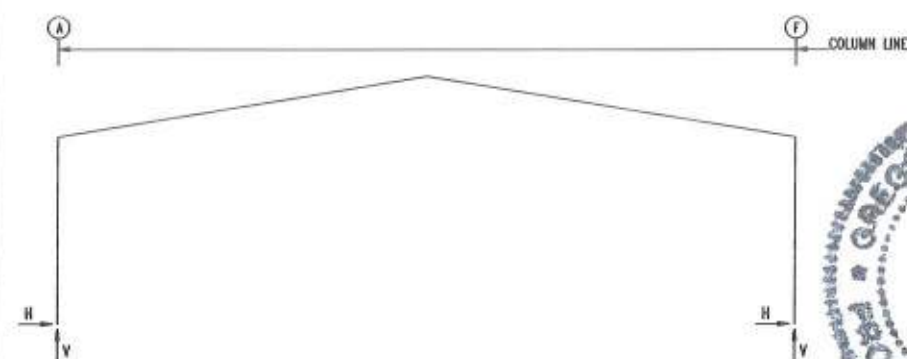
MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions(k)						Bolt(In) Qty	Dia	Base Plate(In)		Thick	Grout (In)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin			Width	Length		
10	A	7	7.5	6.5	1	-7.7	-6.0	12	1.000	16.00	24.50	1.250	0.0
		9	7.4	6.7									
10	F	7	6.1	-263.4	1	-6.9	323.8	12	1.000	16.00	24.50	1.250	0.0
		1	-6.9	323.8	10	1.1	-344.3						
10	B.5	8	0.0	-13.8	8	0.0	-13.8	4	0.750	8.000	8.000	0.375	0.0
		1	0.0	15.6									
10	Ø50.0	9	0.0	-5.3	9	0.0	-5.3	4	0.750	8.000	8.000	0.375	0.0
		1	0.0	9.6									
10	Ø75.0	4	0.0	-3.1	5	0.0	-3.1	4	0.750	8.000	8.000	0.375	0.0
		2	0.0	4.3									

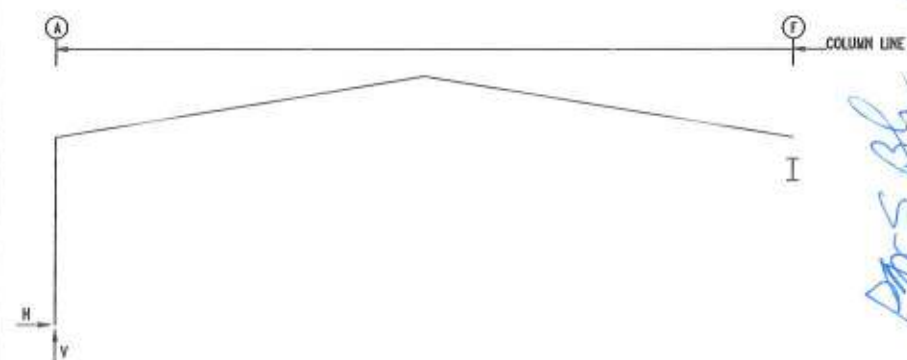
FRAME LINES: 10



FRAME LINES: 1 2 3 4 5 6 7 8 10



FRAME LINES: 9



RIGID FRAME:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions(k)						Bolt Qty	Dia	Base Plate		Thick	Grout (in)
		Load Id	Hmax	V	Hmin	Vmin	Width			Length			
1	A	14	6.3	11.3	6	-7.1	-9.4	4	0.750	6.000	11.00	0.500	0.0
1	F	7	6.1	-13.6	14	-6.3	12.5	4	0.750	6.000	11.00	0.500	0.0
		1	-6.2	16.3	11	1.6	-15.4						

RIGID FRAME:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k)				Hmin H	V Vmin	Bolt(in)		Base_Plate(in)		Thick	Grout (in)
		Load Id	Hmax H	V Vmax	Load Id			Qty	Dia	Width	Length		



LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteel@gmail.com

REVISION

REV	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

DATE

DATE	BY

DESIGN CRITERIA

BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST):	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP):	II - Normal

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DWN:	RLH	DATE:	9/11/19
SCALE:	N.T.S.		
DRAWING TITLE:	ANCHOR BOLT REACTIONS	DRAWING:	3 OF 25

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	Reactions(k)				Panel Shear (lb/ft)	Notes
			Wind Horz	Wind Vert	Seismic Horz	Seismic Vert		
L_EW	10							(h)
F_SW	F							(a)
R_EW	I							(h)
B_SW	I							

(a) Bracing loads must be applied to supporting building
(h) Rigid frame at endwall

RIGID FRAME:

BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead		Collateral		Live		Wind Left		Wind Right		Wind Left	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
10	I	0.1	4.1	0.0	0.5	0.5	11.9	-2.7	-27.5	2.7	-18.0	-4.9	-15.7
10	I	-0.6	-6.3	3.3	-36.2	3.3	-36.2	F1PAT_LL_1	Horiz	0.4	Vert	7.8	
8*	I	0.2	5.9	0.0	0.7	0.4	15.7	-2.6	-36.2	2.8	-23.7	-4.9	-20.8
8*	I	0.6	-8.3	3.6	-37.2	3.6	-37.2	F2PAT_LL_1	Horiz	0.2	Vert	7.7	
I	I	0.0	1.3	0.0	0.2	0.1	3.9	-0.9	-9.0	1.7	-5.9	-2.2	-3.1
I	I	0.4	-2.0	2.3	-13.3	2.3	-13.3	F3PAT_LL_1	Horiz	0.1	Vert	3.9	

8* Frame Lines: 8 6 4 2

ENDWALL COLUMN:

BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead	Wind Press		Wind Suct
			Horz	Vert	
I	G	0.2	-4.9		5.4
I	H	0.2	-4.6		5.0

ENDWALL COLUMN:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions(k)		Load Id	Hmax	Hmin	V	Vmin	Bolt Qty	Dia	Base Plate(in)		Thick	Grout (in)
		Load Id	Hmax								Width	Length		
I	G	12	3.3	0.1	13	-3.0	0.1	4	0.750	6.000	8.000	0.500	0.0	
		14	3.3	0.2										
I	H	12	3.0	0.1	13	-2.7	0.1	4	0.750	6.000	8.000	0.500	0.0	
		14	3.0	0.2										

NOTES FOR REACTIONS

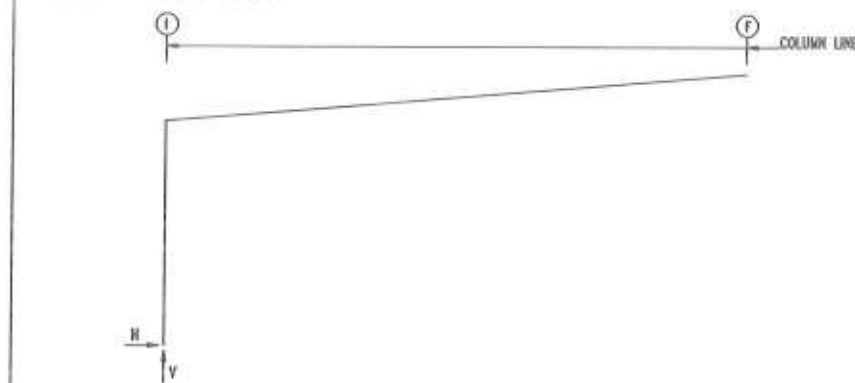
- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay.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

Width (ft)	=	50.0
Length (ft)	=	225.0
Eave Height (ft)	=	19.6/ 23.8
Roof Slope (rise/run)	=	1.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	0.5
Roof Live Load (psf)	=	20.0
Frame Live Load (psf)	=	12.0
Wind Speed (mph)	=	128.0
Wind Code	=	FBC 17 (IBC 15)
Exposure	=	C
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	8
Seismic Coeff (Fa/Ss)	=	0.18

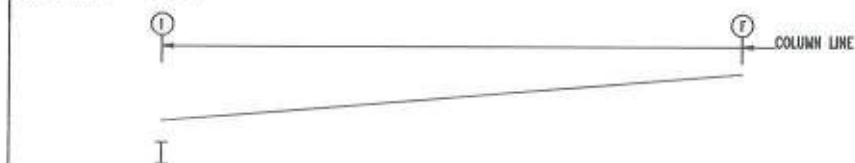
5. Loading conditions are:

- Dead+Collateral+Live
- Dead+0.6Wind_Left2
- Dead+0.6Wind_Long2R
- Dead+Collateral+0.75Live+0.45Wind_Left2
- 0.6Dead+0.6Wind_Left1
- 0.6Dead+0.6Wind_Left2
- 0.6Dead+0.6Wind_Long2R
- 1.0Dead+1.0Collateral+0.75Live+0.53Seismic_Left1
- Dead+Collateral+F1PAT_LL_1
- Dead+Collateral+F2PAT_LL_1
- Dead+Collateral+F3PAT_LL_1
- 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
- 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
- Dead+0.6Wind_Right2+0.6Wind_Suction

FRAME LINES: 10 8 6 4 2 1



FRAME LINES: 9 7 5 3



RIGID FRAME:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions(k)		Load Id	Hmax	Hmin	V	Vmin	Bolt Qty	Dia	Base Plate(in)		Thick	Grout (in)
		Load Id	Hmax								Width	Length		
10	I	3	2.2	-17.7	6	-2.9	-7.0	4	0.750	6.000	9.000	0.500	0.0	
		1	0.6	16.4	7	2.1	-19.3							

RIGID FRAME:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions(k)		Load Id	Hmax	Hmin	V	Vmin	Bolt Qty	Dia	Base Plate(in)		Thick	Grout (in)
		Load Id	Hmax								Width	Length		

RIGID FRAME:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions(k)		Load Id	Hmax	Hmin	V	Vmin	Bolt Qty	Dia	Base Plate(in)		Thick	Grout (in)
		Load Id	Hmax								Width	Length		
8*	I	3	2.3	-16.5	6	-2.8	-9.0	4	0.750	6.000	8.250	0.500	0.0	
		1	0.6	22.2	7	2.3	-18.8							

8* Frame Lines: 8 6 4 2

RIGID FRAME:

MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column Reactions(k)		Load Id	Hmax	Hmin	V	Vmin	Bolt Qty	Dia	Base Plate(in)		Thick	Grout (in)
		Load Id	Hmax								Width	Length		
I	I	3	1.4	-6.7	6	-1.3	-2.3	4	0.750	6.000	8.250	0.500	0.0	
		11	0.1	5.3	7	1.4	-7.2							

ANCHOR BOLT SUMMARY

Qty	Locals	Dia (in)	Type	Bend Len (in)	Proj (in)
12	Endwall	3/4"	A307		2.50
52	Frame	3/4"	A307	3.00	2.50

Gregory S. Barfield, P.E.
2149 Neil Purvis Road
Adel, GA 31620
P.E. # 54419



3-26-20



LARIAT STEEL DESIGN

78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)898-2022
FAX: (229)898-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION

1
2
3
4
5
6
7
8
9
10
11
12
13
14

DATE

BY

DESIGN CRITERIA

BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	@L400

JOB NAME:

CAPITAL METALS SUPPLY

ID

19-173

JOB LOCATION:

LAKE CITY, FL

DWN

RLH

DATE:

9/11/19

SCALE:

N.T.S.

DRAWING TITLE:

ANCHOR BOLT REACTIONS

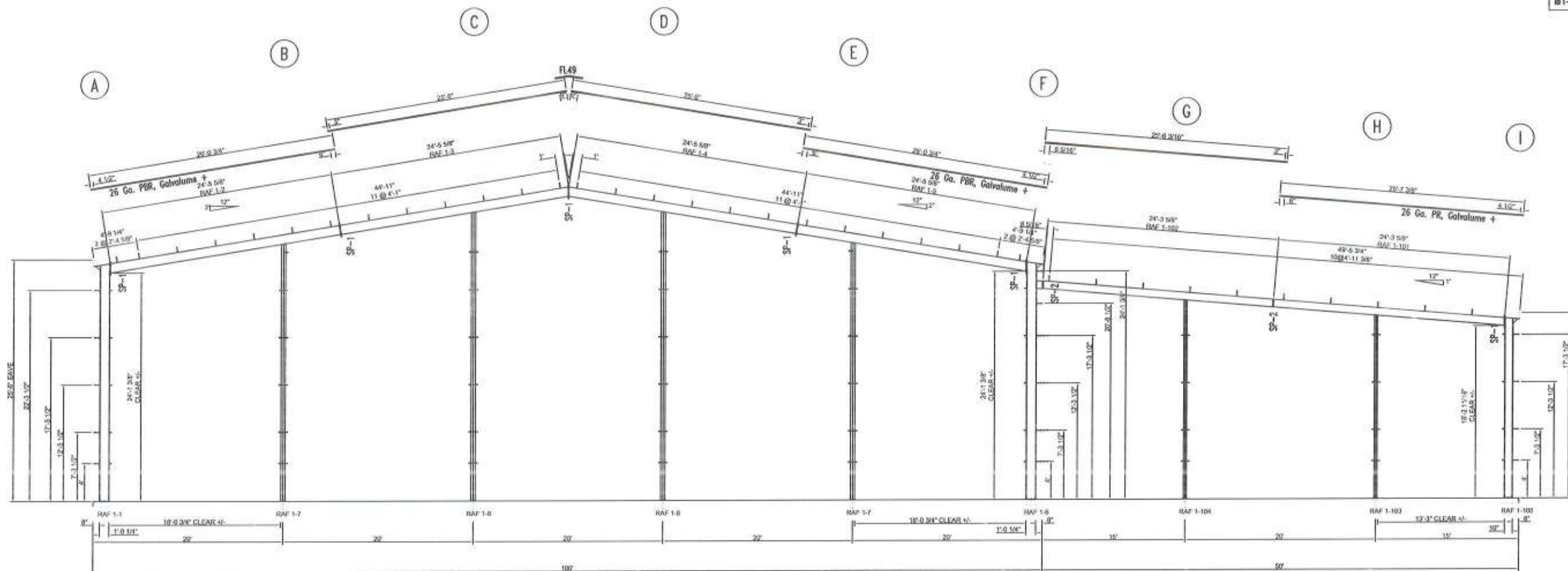
DRAWING

4 OF 25

SPICE BOLT TABLE						CAP PLATE BOLTS				
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type
SP-1	4	4	0	0	A325	0.750	2.50	RF1-7	4	A325
SP-2	2	2	0	0	A325	0.750	2.50	RF1-8	4	A325

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in)
 A - FB15X1/8

Mark	Length	MATERIAL
RF1-1	24'-11 1/4"	W12x26
RF1-2	24'-5 5/8"	W12x14
RF1-3	24'-5 5/8"	W12x14
RF1-4	24'-5 5/8"	W12x14
RF1-5	24'-5 5/8"	W12x14
RF1-6	24'-11 1/4"	W12x26
RF1-7	27'-2 1/4"	W8x18
RF1-8	30'-6 1/4"	W8x21
RF1-100	15'-11 5/8"	W10x19
RF1-101	24'-3 5/8"	W10x12
RF1-102	24'-3 5/8"	W10x12
RF1-103	19'-4 1/4"	W8x10
RF1-104	21'-0 1/4"	W8x10



FRAME LINE #1

Gregory S. Barfield, P.E.
 2149 Neil Purvis Road
 Adel, GA 31620
 P.E. # 54419



Agg 5 Bl
 3-26-20



LARIAT STEEL DESIGN
 78 AIRPORT LANE ~ ADEL GEORGIA 31620
 PH: (229)896-2022
 FAX: (229)896-2033
 EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

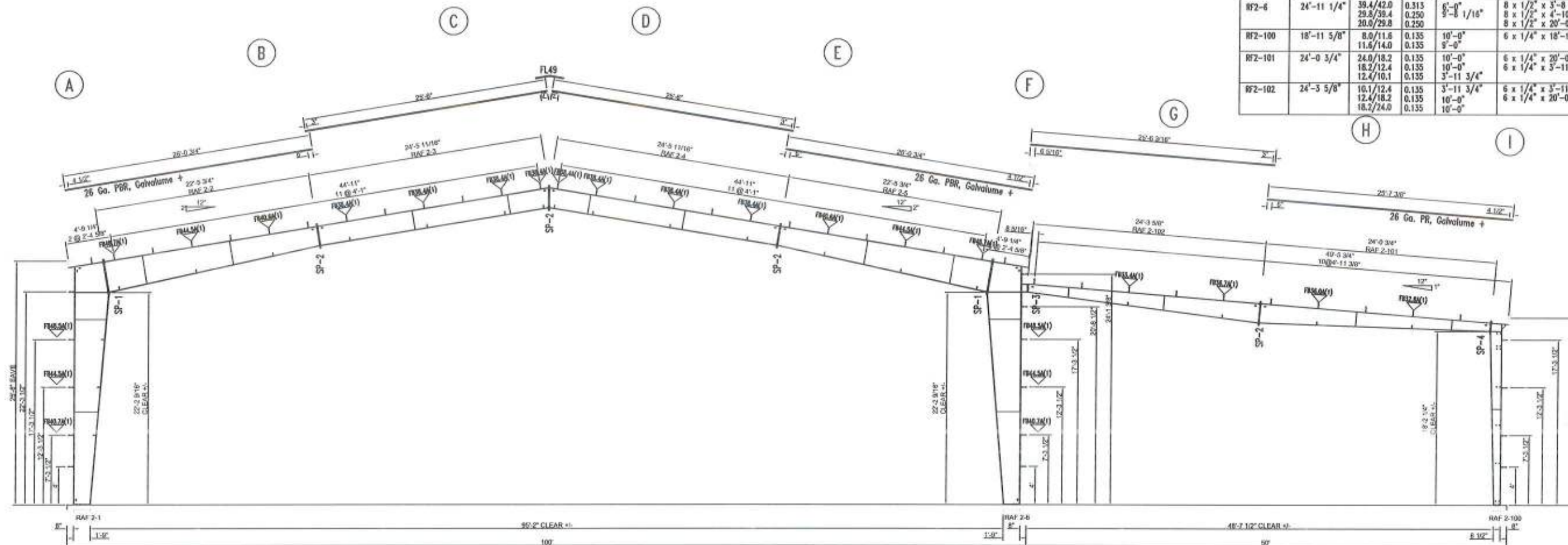
DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	120 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	@400

JOB NAME	JOB LOCATION	ID
CAPITAL METALS SUPPLY	LAKE CITY, FL	19-173
DWN	DATE	SCALE
RLH	9/11/19	N.T.S.
DRAWING TITLE	DRAWING	
RIGID FRAME ELEVATION	5 OF 25	

SPICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Length
SP-1	4	4	4	4	A325	0.750
SP-2	4	4	4	4	A325	0.750
SP-3	2	2	2	0	A325	0.750
SP-4	4	4	4	0	A325	0.750

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in)
 A - FB15X1/8

MEMBER TABLE							
Mark	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	24'-11 1/4"	20.0/29.8	0.250	9'-8 1/16"	8 x 1/2" x 20'-0"	8 x 1/2" x 11'-11 5/8"	
		23.6/39.4	0.250	9'-8 1/16"	8 x 1/2" x 4'-10 3/16"	8 x 5/8" x 10'-0"	
		39.4/42.0	0.313	6'-0"	8 x 1/2" x 3'-8 1/8"		
RF2-2	22'-5 3/4"	38.3/35.7	0.250	4'-0"	6 x 1/2" x 20'-0"	6 x 5/8" x 10'-0"	
		35.7/29.8	0.188	9'-2 3/16"	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"	
		29.8/24.0	0.188	9'-2 3/16"			
RF2-3	24'-5 11/16"	24.0/24.0	0.135	10'-0"	6 x 1/2" x 14'-4 3/16"	6 x 1/2" x 20'-0"	
		24.0/24.0	0.135	10'-0"	6 x 5/8" x 10'-0"	6 x 1/2" x 4'-0 1/16"	
		24.0/24.0	0.135	4'-4 3/16"			
RF2-4	24'-5 11/16"	24.0/24.0	0.135	4'-4 3/16"	6 x 5/8" x 10'-0"	6 x 1/2" x 4'-0 1/16"	
		24.0/24.0	0.135	10'-0"	6 x 1/2" x 14'-4 3/16"	6 x 1/2" x 20'-0"	
		24.0/24.0	0.135	10'-0"			
RF2-5	22'-5 3/4"	24.0/29.8	0.188	9'-2 3/16"	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"	
		29.8/35.7	0.188	9'-2 3/16"	6 x 1/2" x 20'-0"	6 x 5/8" x 10'-0"	
		35.7/30.3	0.250	4'-0"			
RF2-6	24'-11 1/4"	39.4/42.0	0.313	6'-0"	8 x 1/2" x 5'-8 1/8"	8 x 5/8" x 10'-0"	
		29.8/39.4	0.250	9'-8 1/16"	8 x 1/2" x 4'-10 3/16"	8 x 1/2" x 11'-11 5/8"	
		20.6/29.8	0.250		8 x 1/2" x 20'-0"		
RF2-100	18'-11 5/8"	8.0/11.6	0.135	10'-0"	6 x 1/4" x 18'-10 15/16"	6 x 1/4" x 17'-10 15/16"	
		11.6/14.0	0.135	9'-0"			
RF2-101	24'-0 3/4"	24.0/18.2	0.135	10'-0"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"	
		18.2/12.4	0.135	10'-0"	6 x 1/4" x 5'-11 3/4"	6 x 1/4" x 4'-0 1/16"	
		12.4/10.1	0.135	3'-11 3/4"			
RF2-102	24'-3 5/8"	10.1/12.4	0.135	3'-11 3/4"	6 x 1/4" x 5'-11 3/4"	6 x 1/4" x 4'-2 5/8"	
		12.4/18.2	0.135	10'-0"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"	
		18.2/24.0	0.135	10'-0"			



FRAME LINE #2

Gregory S. Barfield, P.E.
 2149 Neil Purvis Road
 Adel, GA 31620
 P.E. # 54419



Greg S Bar
 3-26-20



LARIAT STEEL DESIGN
 78 AIRPORT LANE ~ ADEL GEORGIA 31620
 PH: (229)896-2022
 FAX: (229)896-2033
 EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

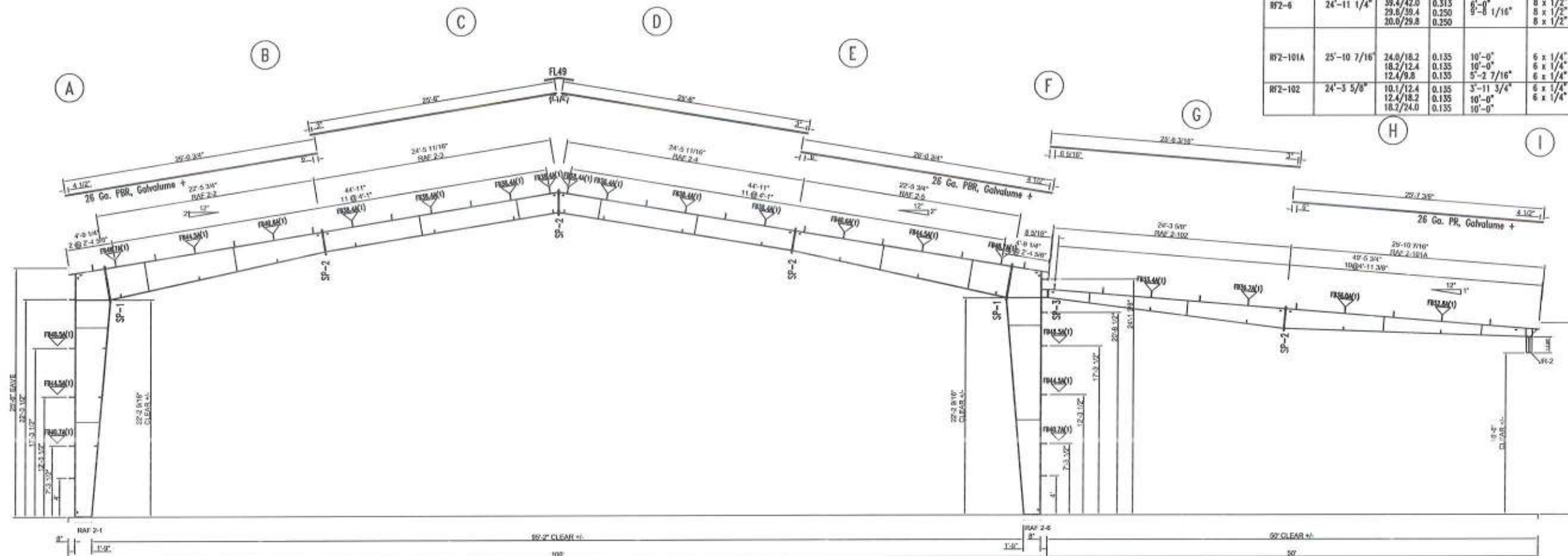
DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	@400

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
SWN:	RLH	DATE:	9/11/19
DRAWING TITLE:	RIGID FRAME ELEVATION	SCALE:	N.T.S.
		DRAWING:	6 OF 25

SPICE BOLT TABLE							CAP PLATE BOLTS					
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	4	4	4	4	A325	0.750	2.50	JR-2	4	A325	0.750	2.50
SP-2	4	4	4	2	A325	0.750	2.50					
SP-3	2	2	2	0	A325	0.750	2.50					
SP-4	4	4	4	0	A325	0.750	2.50					

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in)
 A - FB15X1/8

MEMBER TABLE		Web Depth	Web Plate	Outside Flange	Inside Flange
Mark	Length	Start/End	Thick	Length	W x Thk x Length
RF2-1	24'-11 1/4"	20.0/29.8	0.250	8'-8 1/16"	8 x 1/2" x 20'-0"
		29.8/39.4	0.250	9'-8 1/16"	8 x 1/2" x 4'-10 3/16"
		39.4/42.0	0.313	6'-0"	8 x 1/2" x 5'-8 1/8"
RF2-2	22'-5 3/4"	38.3/35.7	0.250	4'-0"	6 x 1/2" x 20'-0"
		35.7/29.8	0.188	9'-2 3/16"	6 x 1/2" x 2'-4 3/8"
		29.8/24.0	0.188	9'-2 3/16"	6 x 1/2" x 2'-4 3/8"
RF2-3	24'-5 11/16"	24.0/24.0	0.135	10'-0"	6 x 1/2" x 14'-4 3/16"
		24.0/24.0	0.135	10'-0"	6 x 5/8" x 10'-0"
		24.0/24.0	0.135	4'-4 3/16"	6 x 1/2" x 4'-0 1/16"
RF2-4	24'-5 11/16"	24.0/24.0	0.135	4'-4 3/16"	6 x 5/8" x 10'-0"
		24.0/24.0	0.135	10'-0"	6 x 1/2" x 14'-4 3/16"
		24.0/24.0	0.135	10'-0"	6 x 1/2" x 20'-0"
RF2-5	22'-5 3/4"	24.0/29.8	0.188	9'-2 3/16"	6 x 1/2" x 2'-4 3/8"
		29.8/35.7	0.188	9'-2 3/16"	6 x 1/2" x 2'-4 3/8"
		35.7/30.3	0.250	4'-0"	6 x 5/8" x 10'-0"
RF2-6	24'-11 1/4"	39.4/42.0	0.313	6'-0"	8 x 1/2" x 3'-8 1/8"
		29.8/39.4	0.250	9'-8 1/16"	8 x 1/2" x 4'-10 3/16"
		20.0/29.8	0.250	8 x 1/2" x 20'-0"	8 x 1/2" x 11'-11 5/8"
RF2-101A	25'-10 7/16"	24.0/18.2	0.135	10'-0"	6 x 1/4" x 20'-0"
		18.2/12.4	0.135	10'-0"	6 x 1/4" x 5'-9 15/16"
		12.4/9.8	0.135	5'-2 7/16"	6 x 1/4" x 9 1/8"
RF2-102	24'-5 5/8"	10.1/12.4	0.135	3'-11 3/4"	6 x 1/4" x 3'-11 3/4"
		12.4/18.2	0.135	10'-0"	6 x 1/4" x 20'-0"
		18.2/24.0	0.135	10'-0"	6 x 1/4" x 20'-0"



FRAME LINE #3 & #5

Gregory S. Barfield, P.E.
 2149 Neil Purvis Road
 Adel, GA 31620
 P.E. # 54419



Signature
 3-26-20



LARIAT STEEL DESIGN
 76 AIRPORT LANE ~ ADEL GEORGIA 31620
 PH: (229)896-2022
 FAX: (229)896-2033
 EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

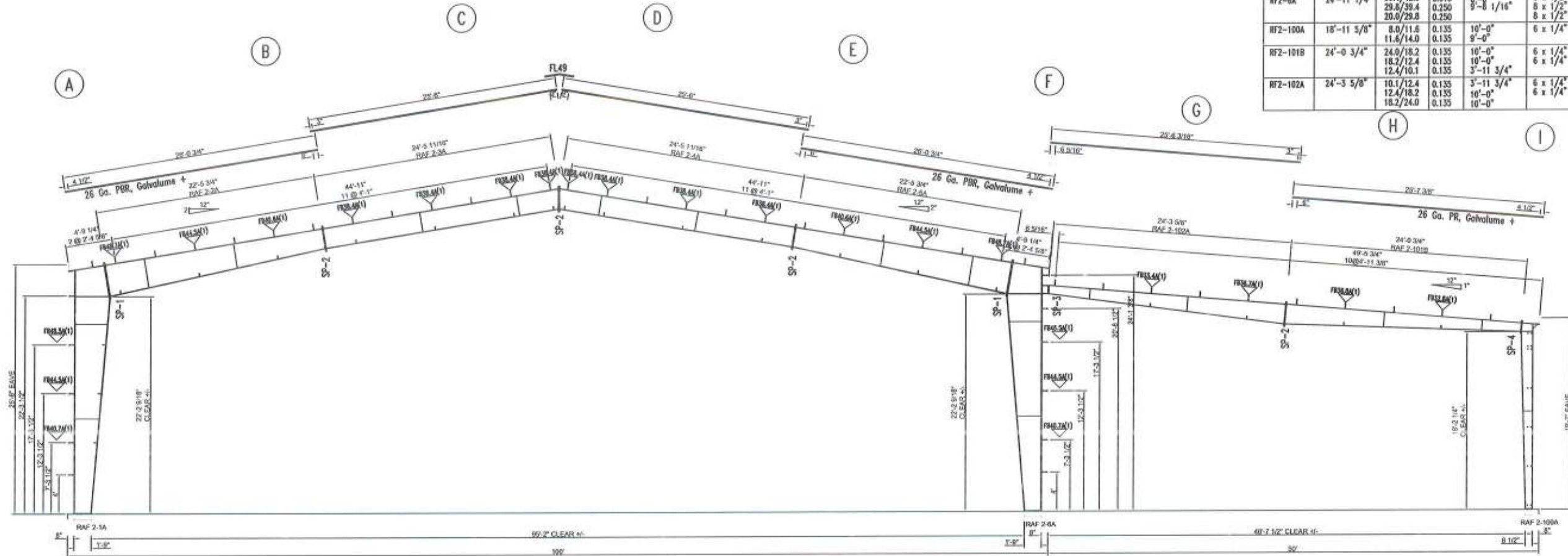
DESIGN CRITERIA	
BUILDING CODE:	IBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST):	120 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY (SEISMIC USE GROUP):	@400

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DWN:	RLH	DATE:	9/11/19
SCALE:	N.T.S.		
DRAWING TITLE:	RIGID FRAME ELEVATION	DRAWING:	7 OF 25

SPICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Length
SP-1	4	4	4	4	A325	0.750
SP-2	4	4	4	2	A325	0.750
SP-3	2	2	0	0	A325	0.750
SP-4	4	4	0	0	A325	0.750

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in)
 A - FB15X1/8

MEMBER TABLE						
Work	Length	Web	Web	Outside Flange	Inside Flange	
		Start/End	Thick	Length	W x Thk x Length	W x Thk x Length
RF2-1A	24'-11 1/4"	20.0/29.8	0.250	9'-8 1/16"	8 x 1/2" x 20'-0"	8 x 1/2" x 11'-11 5/8"
		29.8/39.4	0.250	9'-8 1/16"	8 x 1/2" x 4'-10 3/16"	8 x 5/8" x 10'-0"
		39.4/42.0	0.313	6'-0"	8 x 1/2" x 3'-8 1/8"	
RF2-2A	22'-5 3/4"	38.3/35.7	0.250	4'-0"	6 x 1/2" x 20'-0"	6 x 5/8" x 10'-0"
		35.7/29.8	0.188	9'-2 3/16"	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"
		29.8/24.0	0.188	9'-2 3/16"		
RF2-3A	24'-5 11/16"	24.0/24.0	0.135	10'-0"	6 x 1/2" x 14'-4 3/16"	6 x 1/2" x 20'-0"
		24.0/24.0	0.135	10'-0"	6 x 5/8" x 10'-0"	6 x 1/2" x 4'-0 1/16"
		24.0/24.0	0.135	4'-4 3/16"		
RF2-4A	24'-5 11/16"	24.0/24.0	0.135	4'-4 3/16"	6 x 5/8" x 10'-0"	6 x 1/2" x 4'-0 1/16"
		24.0/24.0	0.135	10'-0"	6 x 1/2" x 14'-4 3/16"	6 x 1/2" x 20'-0"
		24.0/24.0	0.135	10'-0"		
RF2-5A	22'-5 3/4"	24.0/29.8	0.188	9'-2 3/16"	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"
		29.8/35.7	0.188	9'-2 3/16"	6 x 1/2" x 20'-0"	6 x 5/8" x 10'-0"
		35.7/38.3	0.250	4'-0"		
RF2-6A	24'-11 1/4"	39.4/42.0	0.313	6'-0"	8 x 1/2" x 3'-8 1/8"	8 x 5/8" x 10'-0"
		29.8/39.4	0.250	9'-8 1/16"	8 x 1/2" x 4'-10 3/16"	8 x 1/2" x 11'-11 5/8"
		20.0/29.8	0.250	9'-8 1/16"	8 x 1/2" x 20'-0"	
RF2-100A	18'-11 5/8"	8.0/11.6	0.135	10'-0"	6 x 1/4" x 18'-10 15/16"	6 x 1/4" x 17'-10 15/16"
		11.6/14.0	0.135	9'-0"		
RF2-101B	24'-0 3/4"	24.0/18.2	0.135	10'-0"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
		18.2/12.4	0.135	10'-0"	6 x 1/4" x 3'-11 3/4"	6 x 1/4" x 4'-0 1/16"
		12.4/10.1	0.135	3'-11 3/4"		
RF2-102A	24'-3 5/8"	10.1/12.4	0.135	3'-11 3/4"	6 x 1/4" x 3'-11 3/4"	6 x 1/4" x 4'-2 5/8"
		12.4/18.2	0.135	10'-0"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
		18.2/24.0	0.135	10'-0"		



FRAME LINE #4

Gregory S. Barfield, P.E.
 2149 Nell Purvis Road
 Adel, GA 31620
 P.E. # 53419



Agg 5 gh
 3-26-20



LARIAT STEEL DESIGN
 76 AIRPORT LANE ~ ADEL GEORGIA 31620
 PH: (229)896-2022
 FAX: (229)896-2033
 EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

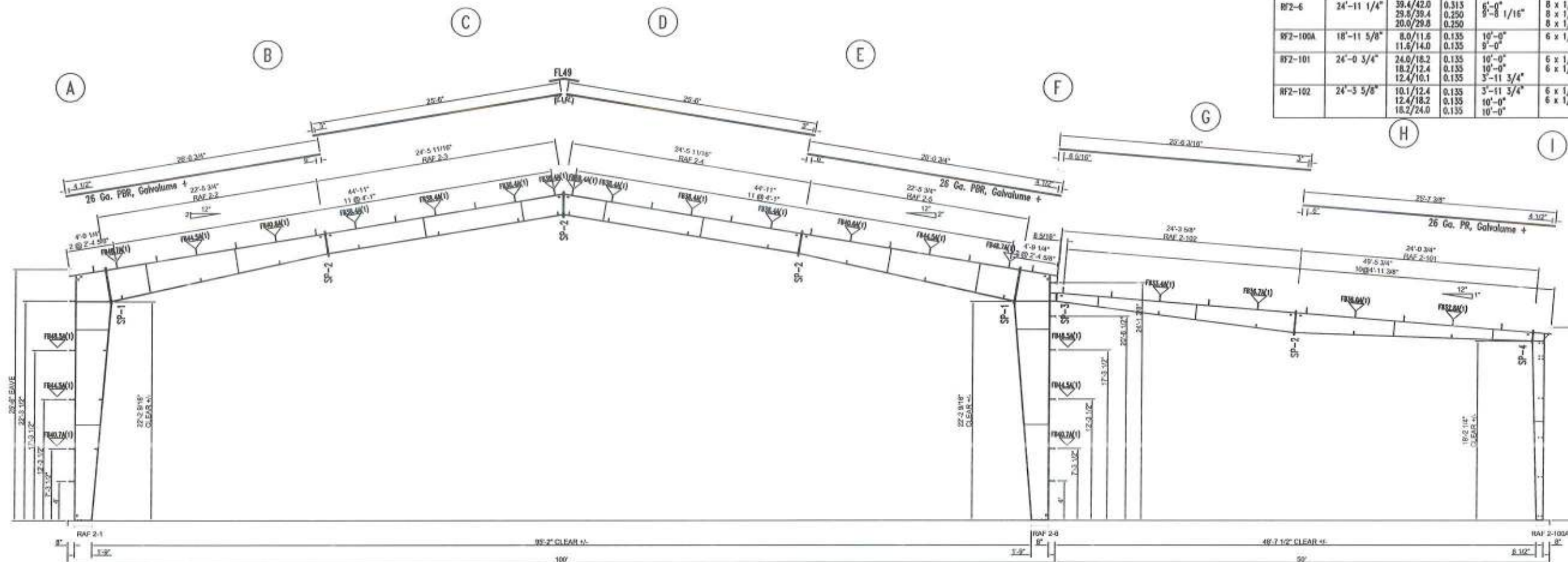
DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	@U400

JOB NAME: CAPITAL METALS SUPPLY		ID: 19-173
JOB LOCATION: LAKE CITY, FL		
SVN: RLH	DATE: 9/11/19	SCALE: N.T.S.
DRAWING TITLE: RIGID FRAME ELEVATION		DRAWING: 8 OF 25

SPICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Length
SP-1	4	4	4	4	A325	0.750
SP-2	4	4	4	2	A325	0.750
SP-3	2	2	0	0	A325	0.750
SP-4	4	4	0	0	A325	0.750

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in)
 A - FB15X1/8

MEMBER TABLE		Web Depth	Web Plate	Outside Flange	Inside Flange
Mark	Length	Start/End	Thick	W x Thk x Length	W x Thk x Length
RF2-1	24'-11 1/4"	20.0/29.8 29.6/39.4 39.4/42.0	0.250 0.250 0.313	9'-8 1/16" 9'-8 1/16" 6'-0"	8 x 1/2" x 20'-0" 8 x 1/2" x 4'-10 3/16" 8 x 1/2" x 3'-8 1/8"
RF2-2	22'-5 3/4"	38.3/35.7 35.7/29.8 29.8/24.0	0.250 0.188 0.188	4'-0" 9'-2 3/16" 9'-2 3/16"	6 x 1/2" x 20'-0" 6 x 1/2" x 2'-4 3/8" 6 x 5/8" x 10'-0"
RF2-3	24'-5 11/16"	24.0/24.0 24.0/24.0 24.0/24.0	0.135 0.135 0.135	10'-0" 10'-0" 4'-4 3/16"	6 x 1/2" x 14'-4 3/16" 6 x 5/8" x 10'-0" 6 x 1/2" x 4'-0 1/16"
RF2-4	24'-5 11/16"	24.0/24.0 24.0/24.0 24.0/24.0	0.135 0.135 0.135	4'-4 3/16" 10'-0" 10'-0"	6 x 5/8" x 10'-0" 6 x 1/2" x 14'-4 3/16" 6 x 1/2" x 20'-0"
RF2-5	22'-5 3/4"	24.0/29.8 29.6/35.7 35.7/38.3	0.188 0.188 0.250	9'-2 3/16" 9'-2 3/16" 4'-0"	6 x 1/2" x 2'-4 3/8" 6 x 1/2" x 20'-0" 6 x 1/2" x 12'-4 3/4"
RF2-6	24'-11 1/4"	39.4/42.0 29.6/39.4 20.0/29.8	0.313 0.250 0.250	6'-0" 9'-8 1/16" 8 x 1/2" x 20'-0"	8 x 1/2" x 3'-8 1/8" 8 x 1/2" x 4'-10 3/16" 8 x 1/2" x 20'-0"
RF2-100A	18'-11 5/8"	8.0/11.6 11.6/14.0	0.135 0.135	10'-0" 9'-0"	6 x 1/4" x 18'-10 15/16" 6 x 1/4" x 17'-10 15/16"
RF2-101	24'-0 3/4"	24.0/18.2 18.2/12.4 12.4/10.1	0.135 0.135 0.135	10'-0" 10'-0" 3'-11 3/4"	6 x 1/4" x 20'-0" 6 x 1/4" x 3'-11 3/4" 6 x 1/4" x 4'-0 1/16"
RF2-102	24'-3 5/8"	10.1/12.4 12.4/18.2 18.2/24.0	0.135 0.135 0.135	3'-11 3/4" 10'-0" 10'-0"	6 x 1/4" x 3'-11 3/4" 6 x 1/4" x 20'-0" 6 x 1/4" x 20'-0"



FRAME LINE #6

Gregory S. Barfield, P.E.
 2149 Neil Purvis Road
 Adel, GA 31620
 P.E. # 54419



Agg 5 Bh
 3-26-20



LARIAT STEEL DESIGN
 78 AIRPORT LANE ~ ADEL GEORGIA 31620
 PH: (229)896-2022
 FAX: (229)896-2033
 EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

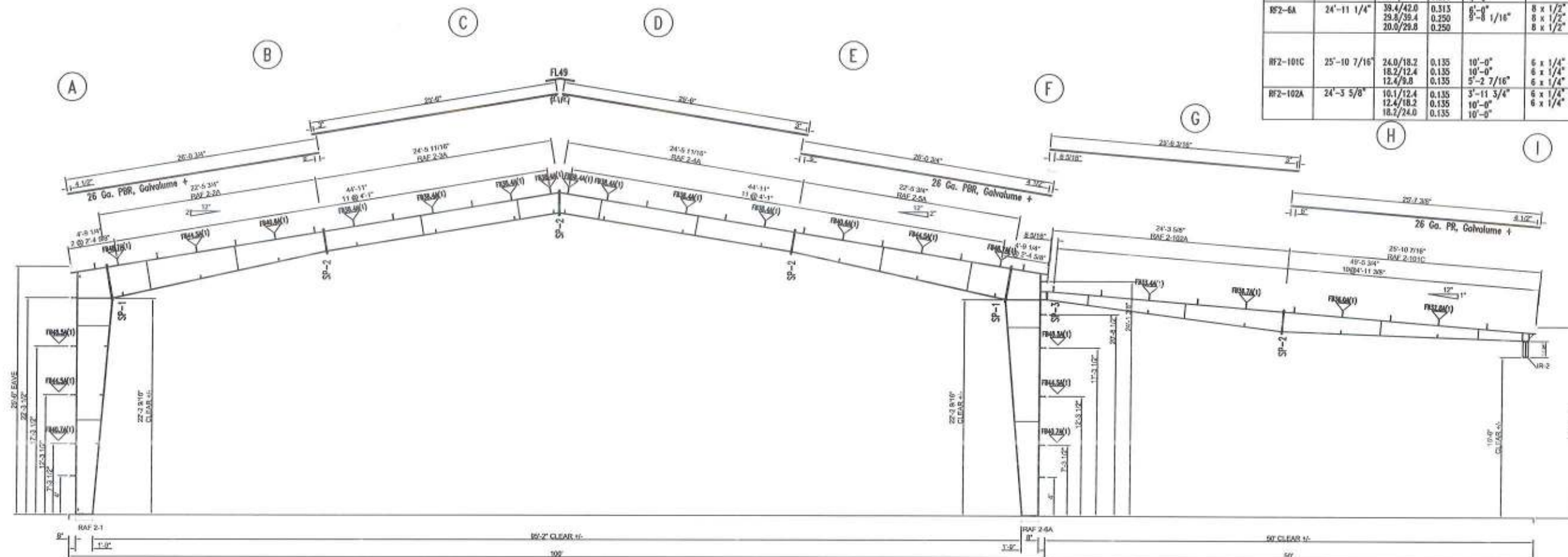
DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	II/400

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DATE:	9/11/19	SCALE:	N.T.S.
DRIVING TITLE:	RIGID FRAME ELEVATION	DRAWING:	9 OF 25

SPICE BOLT TABLE						CAP PLATE BOLTS				
Mark	Qty	Top	Bot	Inf	Type	Dia	Length	Mark	Qty	Type
SP-1	4	4	4	4	A325	0.750	2.50	JR-2	4	A325
SP-2	4	4	4	2	A325	0.750	2.50			
SP-3	2	2	0	0	A325	0.750	2.50			
SP-4	4	4	0	0	A325	0.750	2.50			

FLANGE BRACES: Both Sides(U.N.)
 FBxxx(1): xx=length(in)
 A - FB15X1/8

MEMBER TABLE		Web Depth		Web Flange		Outside Flange		Inside Flange	
Mark	Length	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length
RF2-1	24'-11 1/4"	20.0/28.8	0.250	9'-8 1/16"	8 x 1/2" x 20'-0"	8 x 1/2" x 11'-11 5/8"	8 x 5/8" x 10'-0"	8 x 1/2" x 11'-11 5/8"	8 x 5/8" x 10'-0"
RF2-2A	22'-5 3/4"	38.3/35.7	0.250	4'-0"	6 x 1/2" x 20'-0"	6 x 1/2" x 12'-4 3/8"	6 x 5/8" x 10'-0"	6 x 1/2" x 12'-4 3/8"	6 x 5/8" x 10'-0"
RF2-3A	24'-5 11/16"	35.7/29.8	0.188	9'-2 3/16"	6 x 1/2" x 14'-4 3/16"	6 x 5/8" x 10'-0"	6 x 1/2" x 14'-4 3/16"	6 x 5/8" x 10'-0"	6 x 1/2" x 14'-4 3/16"
RF2-4A	24'-5 11/16"	24.0/24.0	0.135	4'-4 3/16"	6 x 5/8" x 10'-0"	6 x 1/2" x 14'-4 3/16"	6 x 5/8" x 10'-0"	6 x 1/2" x 14'-4 3/16"	6 x 5/8" x 10'-0"
RF2-5A	22'-5 3/4"	24.0/28.8	0.188	9'-2 3/16"	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/8"	6 x 5/8" x 10'-0"	6 x 1/2" x 12'-4 3/8"	6 x 5/8" x 10'-0"
RF2-6A	24'-11 1/4"	39.4/42.0	0.313	6'-0"	8 x 1/2" x 3'-8 1/8"	8 x 5/8" x 10'-0"	8 x 1/2" x 3'-8 1/8"	8 x 5/8" x 10'-0"	8 x 1/2" x 3'-8 1/8"
RF2-101C	25'-10 7/16"	24.0/18.2	0.135	10'-0"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
RF2-102A	24'-3 5/8"	10.1/12.4	0.135	3'-11 3/4"	6 x 1/4" x 3'-11 3/4"	6 x 1/4" x 20'-0"	6 x 1/4" x 3'-11 3/4"	6 x 1/4" x 20'-0"	6 x 1/4" x 3'-11 3/4"



FRAME LINE #7

Gregory S. Barfield, P.E.
 2149 Nell Purvis Road
 Adel, GA 31620
 P.E. # 54419



Agg 5 Jh
 3-26-20



LARIAT STEEL DESIGN
 78 AIRPORT LANE ~ ADEL GEORGIA 31620
 PH: (229)896-2022
 FAX: (229)896-2033
 EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

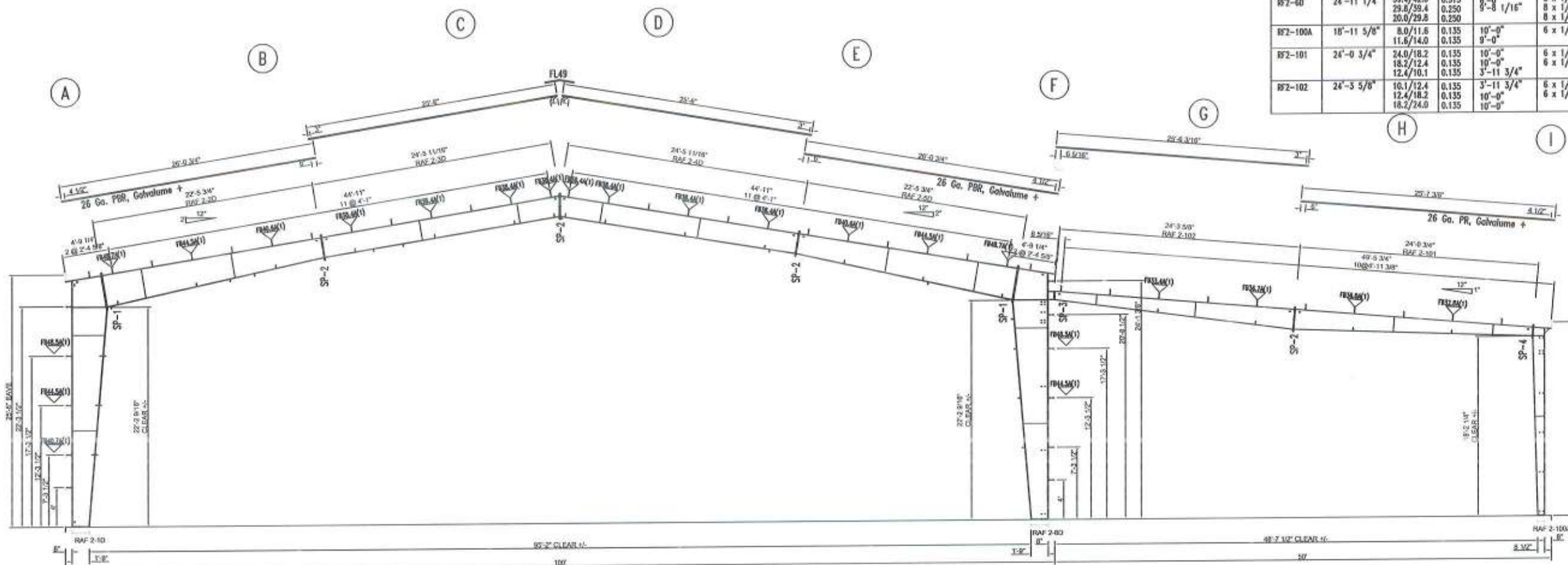
DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD (3 SECOND GUST):	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	SEU400

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DATE:	9/11/19	SCALE:	N.T.S.
DRAWING TITLE:	RIGID FRAME ELEVATION	DRAWING:	10 OF 25

SPICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Length
SP-1	4	4	4	4	A325	0.750
SP-2	4	4	4	4	A325	0.750
SP-3	2	2	0	0	A325	0.750
SP-4	4	4	4	0	A325	0.750

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in)
 A - FB15X1/8

MEMBER TABLE		Web Depth	Web Plate	Outside Flange	Inside Flange
Mark	Length	Start/End	Thick	W x Thk x Length	W x Thk x Length
RF2-10	24'-11 1/4"	20.0/29.8	0.250	8'-8 1/16" x 20'-0"	8 x 1/2" x 11'-11 5/8"
		29.8/39.4	0.250	8 x 1/2" x 4'-10 3/16"	8 x 5/8" x 10'-0"
		39.4/42.0	0.313	6'-0" x 3'-8 1/8"	6 x 1/2" x 12'-4 3/4"
RF2-20	22'-5 3/4"	38.3/35.7	0.250	6 x 1/2" x 20'-0"	6 x 5/8" x 10'-0"
		35.7/29.8	0.188	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"
		29.8/24.0	0.188	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"
RF2-30	24'-5 11/16"	24.0/24.0	0.135	10'-0" x 10'-0"	6 x 1/2" x 20'-0"
		24.0/24.0	0.135	10'-0" x 10'-0"	6 x 1/2" x 4'-0 1/16"
		24.0/24.0	0.135	4'-4 3/16" x 10'-0"	6 x 1/2" x 4'-0 1/16"
RF2-40	24'-5 11/16"	24.0/24.0	0.135	4'-4 3/16" x 10'-0"	6 x 5/8" x 10'-0"
		24.0/24.0	0.135	10'-0" x 10'-0"	6 x 1/2" x 4'-0 1/16"
		24.0/24.0	0.135	10'-0" x 10'-0"	6 x 1/2" x 20'-0"
RF2-50	22'-5 3/4"	24.0/29.8	0.188	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"
		29.8/35.7	0.188	6 x 1/2" x 2'-4 3/8"	6 x 5/8" x 10'-0"
		35.7/38.3	0.250	4'-0" x 4'-0"	6 x 1/2" x 12'-4 3/4"
RF2-60	24'-11 1/4"	39.4/42.0	0.313	8 x 1/2" x 3'-8 1/8"	8 x 5/8" x 10'-0"
		29.8/39.4	0.250	8 x 1/2" x 4'-10 3/16"	8 x 1/2" x 11'-11 5/8"
		20.0/29.8	0.250	8 x 1/2" x 20'-0"	8 x 1/2" x 20'-0"
RF2-100A	10'-11 5/8"	8.0/11.6	0.135	10'-0" x 10'-0"	6 x 1/4" x 18'-10 15/16"
		11.6/14.0	0.135	9'-0" x 9'-0"	6 x 1/4" x 17'-10 15/16"
RF2-101	24'-0 3/4"	24.0/18.2	0.135	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
		18.2/12.4	0.135	6 x 1/4" x 3'-11 3/4"	6 x 1/4" x 4'-0 1/16"
		12.4/10.1	0.135	3'-11 3/4" x 3'-11 3/4"	6 x 1/4" x 4'-2 3/8"
RF2-102	24'-3 5/8"	10.1/12.4	0.135	3'-11 3/4" x 3'-11 3/4"	6 x 1/4" x 4'-2 3/8"
		12.4/18.2	0.135	10'-0" x 10'-0"	6 x 1/4" x 20'-0"
		18.2/24.0	0.135	10'-0" x 10'-0"	6 x 1/4" x 20'-0"



FRAME LINE #8

Gregory S. Barfield, P.E.
 2149 Neil Purvis Road
 Adel, GA 31620
 P.E. # 54419



gjh
 3-26-20



LARIAT STEEL DESIGN
 78 AIRPORT LANE ~ ADEL GEORGIA 31620
 PH: (229)896-2022
 FAX: (229)896-2033
 EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		

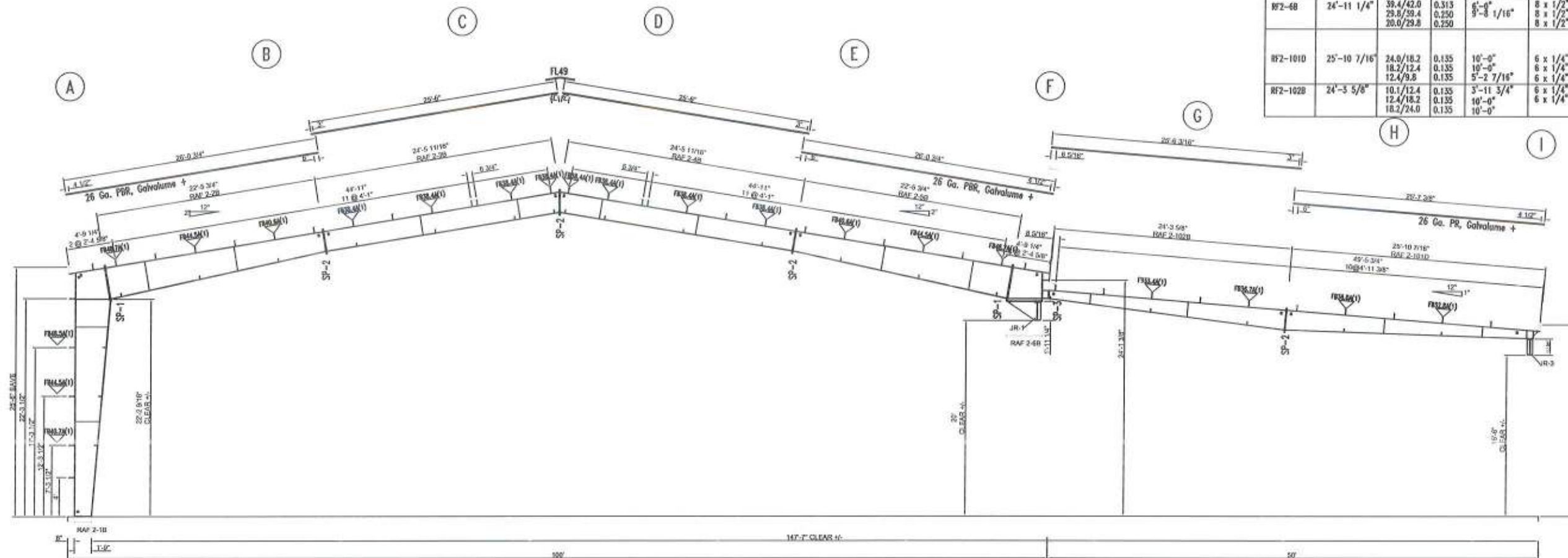
DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD (3 SECOND GUST):	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP):	@U400

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DATE:	9/11/19	SCALE:	N.T.S.
BRWING TITLE:	RIGID FRAME ELEVATION	BRWING:	11 OF 25

SPICE BOLT TABLE						CAP PLATE BOLTS				
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type
SP-1	4	4	4	4	A325	0.750	2.50	JR-1	6	A325
SP-2	4	4	4	2	A325	0.750	2.50	JR-2	4	A325
SP-3	2	2	0	0	A325	0.750	2.50			
SP-4	4	4	0	0	A325	0.750	2.50			

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in)
 A - FDI5X1/8

MEMBER TABLE		Web Depth	Web Flange	Outside Flange	Inside Flange
Mark	Length	Start/End	Thick	W x Thk x Length	W x Thk x Length
RF2-1B	24'-11 1/4"	20.0/29.8	0.250	8 x 1/2" x 20'-0"	8 x 1/2" x 11'-11 5/8"
		29.8/39.4	0.250	8 x 1/2" x 4'-10 3/16"	8 x 5/8" x 10'-0"
		39.4/42.0	0.313	8 x 1/2" x 3'-8 1/8"	
RF2-2B	22'-5 3/4"	38.3/35.7	0.250	6 x 1/2" x 20'-0"	6 x 5/8" x 10'-0"
		35.7/29.8	0.188	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"
		29.8/24.0	0.188	6 x 1/2" x 2'-4 3/8"	
RF2-3B	24'-5 11/16"	24.0/24.0	0.135	6 x 1/2" x 14'-4 3/16"	6 x 1/2" x 20'-0"
		24.0/24.0	0.135	6 x 5/8" x 10'-0"	6 x 1/2" x 4'-0 1/16"
		24.0/24.0	0.135	6 x 5/8" x 10'-0"	
RF2-4B	24'-5 11/16"	24.0/24.0	0.135	6 x 5/8" x 10'-0"	6 x 1/2" x 4'-0 1/16"
		24.0/24.0	0.135	6 x 1/2" x 14'-4 3/16"	6 x 1/2" x 20'-0"
		24.0/24.0	0.135	6 x 1/2" x 14'-4 3/16"	
RF2-5B	22'-5 3/4"	24.0/29.8	0.188	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"
		29.8/35.7	0.188	6 x 1/2" x 2'-4 3/8"	6 x 5/8" x 10'-0"
		35.7/38.3	0.250	6 x 1/2" x 2'-4 3/8"	
RF2-6B	24'-11 1/4"	39.4/42.0	0.313	8 x 1/2" x 5'-8 1/8"	8 x 5/8" x 10'-0"
		29.8/39.4	0.250	8 x 1/2" x 4'-10 3/16"	8 x 1/2" x 11'-11 5/8"
		20.0/29.8	0.250	8 x 1/2" x 20'-0"	
RF2-1010	25'-10 7/16"	24.0/18.2	0.135	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
		18.2/12.4	0.135	6 x 1/4" x 5'-9 15/16"	6 x 1/4" x 4'-7 1/16"
		12.4/9.8	0.135	6 x 1/4" x 9 1/8"	
RF2-102B	24'-5 5/8"	10.1/12.4	0.135	6 x 1/4" x 5'-11 3/4"	6 x 1/4" x 4'-2 5/8"
		12.4/18.2	0.135	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
		18.2/24.0	0.135	6 x 1/4" x 20'-0"	



FRAME LINE #9

Gregory S. Barfield, P.E.
 2149 Neil Purvis Road
 Adel, GA 31620
 P.E. # 54419



Agg 5 gh
 3-26-20



LARIAT STEEL DESIGN
 76 AIRPORT LANE ~ ADEL GEORGIA 31620
 PH: (229)896-2022
 FAX: (229)896-2033
 EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

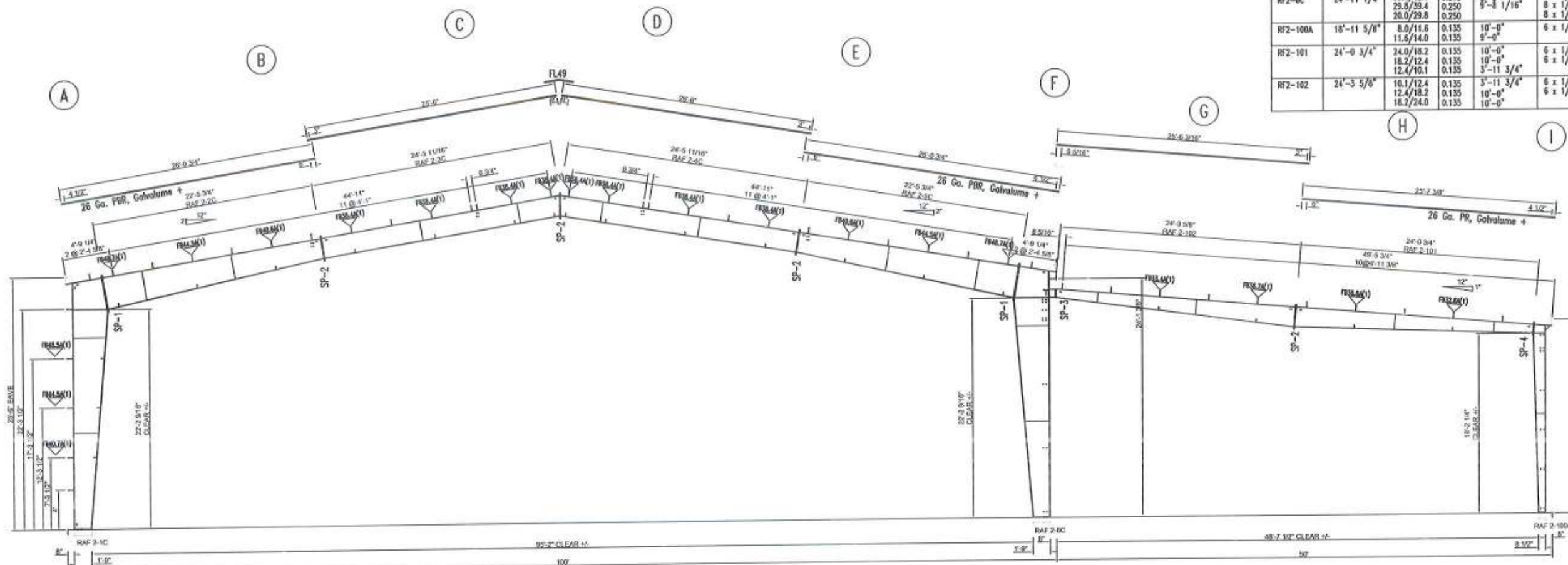
DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	120 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	II/400

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DWN:	RLH	DATE:	9/11/19
DRAWING TITLE:	RIGID FRAME ELEVATION	SCALE:	N.T.S.
		DRAWING:	12 OF 25

SPICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Length
SP-1	4	4	4	4	A325	0.750
SP-2	4	4	2	2	A325	0.750
SP-3	2	2	0	0	A325	0.750
SP-4	4	4	0	0	A325	0.750

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in)
 A - FB15X1/8

MEMBER TABLE		Web Depth	Web Plate	Outside Flange	Inside Flange
Mark	Length	Start/End	Thick	W x Thk x Length	W x Thk x Length
RF2-1C	24'-11 1/4"	20.0/29.8	0.250	8 x 1/2" x 20'-0"	8 x 1/2" x 11'-11 5/8"
		29.8/39.4	0.250	8 x 1/2" x 4'-10 3/16"	8 x 5/8" x 10'-0"
		39.4/42.0	0.313	8 x 1/2" x 3'-8 1/8"	
RF2-2C	22'-5 3/4"	38.3/35.7	0.250	6 x 1/2" x 20'-0"	6 x 5/8" x 10'-0"
		35.7/29.8	0.188	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"
		29.8/24.0	0.188	6 x 1/2" x 2'-4 3/8"	
RF2-3C	24'-5 11/16"	24.0/24.0	0.135	6 x 1/2" x 14'-4 3/16"	6 x 1/2" x 20'-0"
		24.0/24.0	0.135	6 x 5/8" x 10'-0"	6 x 1/2" x 4'-0 1/16"
		24.0/24.0	0.135	6 x 1/2" x 14'-4 3/16"	
RF2-4C	24'-5 11/16"	24.0/24.0	0.135	6 x 5/8" x 10'-0"	6 x 1/2" x 4'-0 1/16"
		24.0/24.0	0.135	6 x 1/2" x 14'-4 3/16"	
		24.0/24.0	0.135	6 x 1/2" x 14'-4 3/16"	
RF2-5C	22'-5 3/4"	24.0/29.8	0.188	6 x 1/2" x 2'-4 3/8"	6 x 1/2" x 12'-4 3/4"
		29.8/35.7	0.188	6 x 1/2" x 20'-0"	6 x 5/8" x 10'-0"
		35.7/38.3	0.250	6 x 1/2" x 20'-0"	
RF2-6C	24'-11 1/4"	39.4/42.0	0.313	8 x 1/2" x 3'-8 1/8"	8 x 5/8" x 10'-0"
		29.8/39.4	0.250	8 x 1/2" x 4'-10 3/16"	8 x 1/2" x 11'-11 5/8"
		20.0/29.8	0.250	8 x 1/2" x 20'-0"	
RF2-100A	18'-11 5/8"	8.0/11.6	0.135	6 x 1/4" x 18'-10 15/16"	6 x 1/4" x 17'-10 15/16"
		11.6/14.0	0.135	6 x 1/4" x 20'-0"	
RF2-101	24'-0 3/4"	24.0/18.2	0.135	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
		18.2/12.4	0.135	6 x 1/4" x 5'-11 3/4"	6 x 1/4" x 4'-0 1/16"
		12.4/10.1	0.135	3'-11 3/4"	
RF2-102	24'-3 5/8"	10.1/12.4	0.135	6 x 1/4" x 5'-11 3/4"	6 x 1/4" x 4'-2 5/8"
		12.4/18.2	0.135	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
		18.2/24.0	0.135	6 x 1/4" x 20'-0"	



FRAME LINE #10

Gregory S. Barfield P.E.
 2149 Neil Purvis Road
 Adel, GA 31620
 P.E. #54419



Greg S. Barfield
 3-26-20

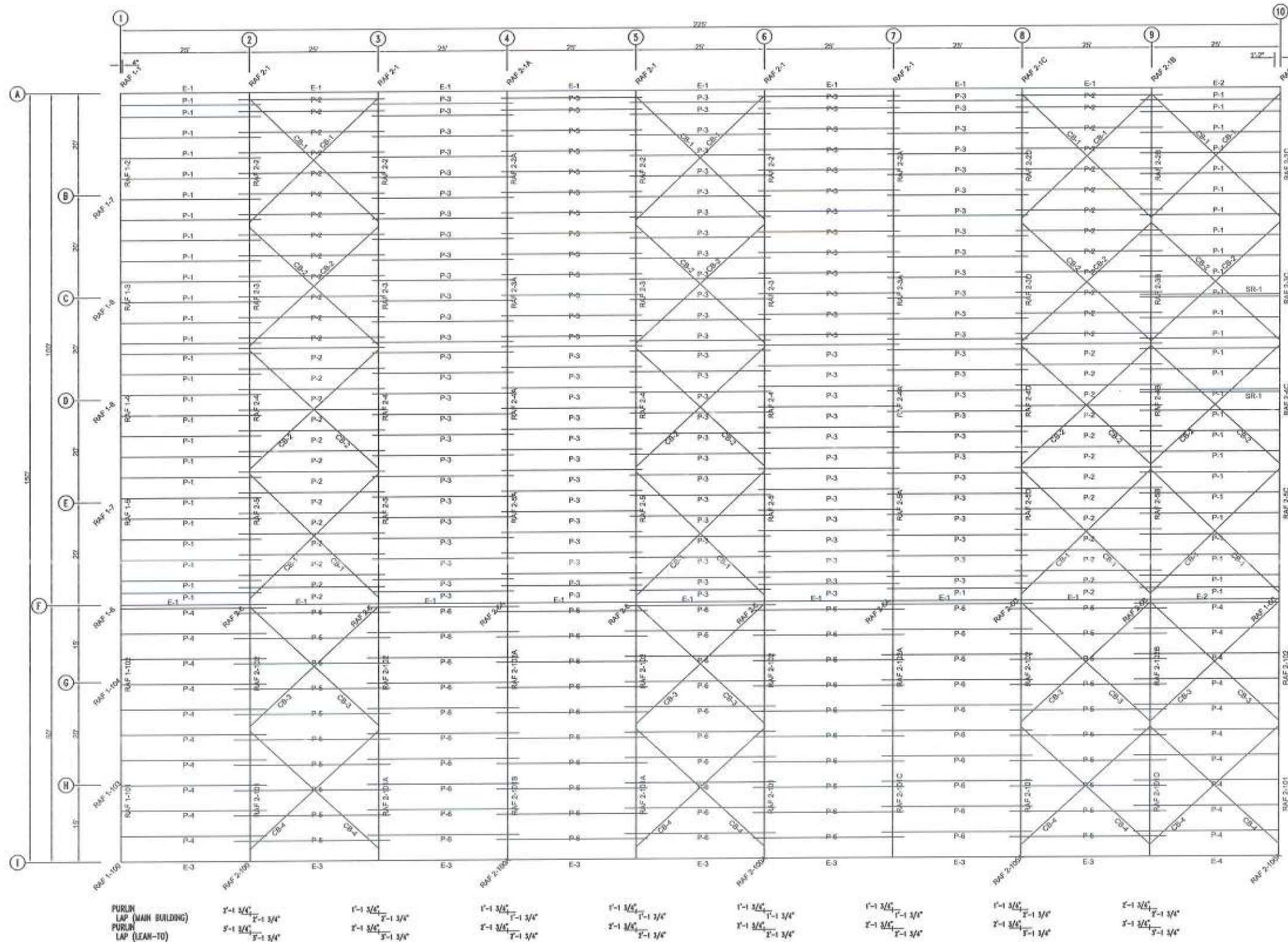


LARIAT STEEL DESIGN
 78 AIRPORT LANE ~ ADEL GEORGIA 31620
 PH: (229)896-2022
 FAX: (229)896-2033
 EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		

DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST):	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP):	@400

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DATE:	9/11/19	SCALE:	N.T.S.
DRAWING TITLE:	RIGID FRAME ELEVATION	DRAWING:	13 OF 25



MEMBER TABLE				
FRAME LINE 1				
QTY	MARK	PART	LENGTH	
16	E-1	8ES5314DSL2/12	24'-11 1/2"	
2	E-2	8ES5314DSL2/12	24'-11 1/2"	
52	P-1	8X25Z14	27'-1 1/2"	
52	P-2	8X25Z16	29'-3 1/2"	
120	P-3	8X25Z16	27'-3 1/2"	
8	E-3	8ES5314DSL1/12	24'-11 1/2"	
1	E-4	8ES5314DSL1/12	24'-11 1/2"	
20	P-4	8X25Z14	28'-1 1/2"	
20	P-5	8X25Z16	31'-3 1/2"	
50	P-6	8X25Z16	29'-3 1/2"	
2	SR-1	8X25Z14	25'-3 1/2"	
16	CB-1	1/4" CABLE	35'-0"	
16	CB-2	1/4" CABLE	34'-0"	
8	CB-3	1/4" CABLE	34'-0"	
8	CB-4	1/4" CABLE	34'-0"	



Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

Agg S Bl
3-26-20



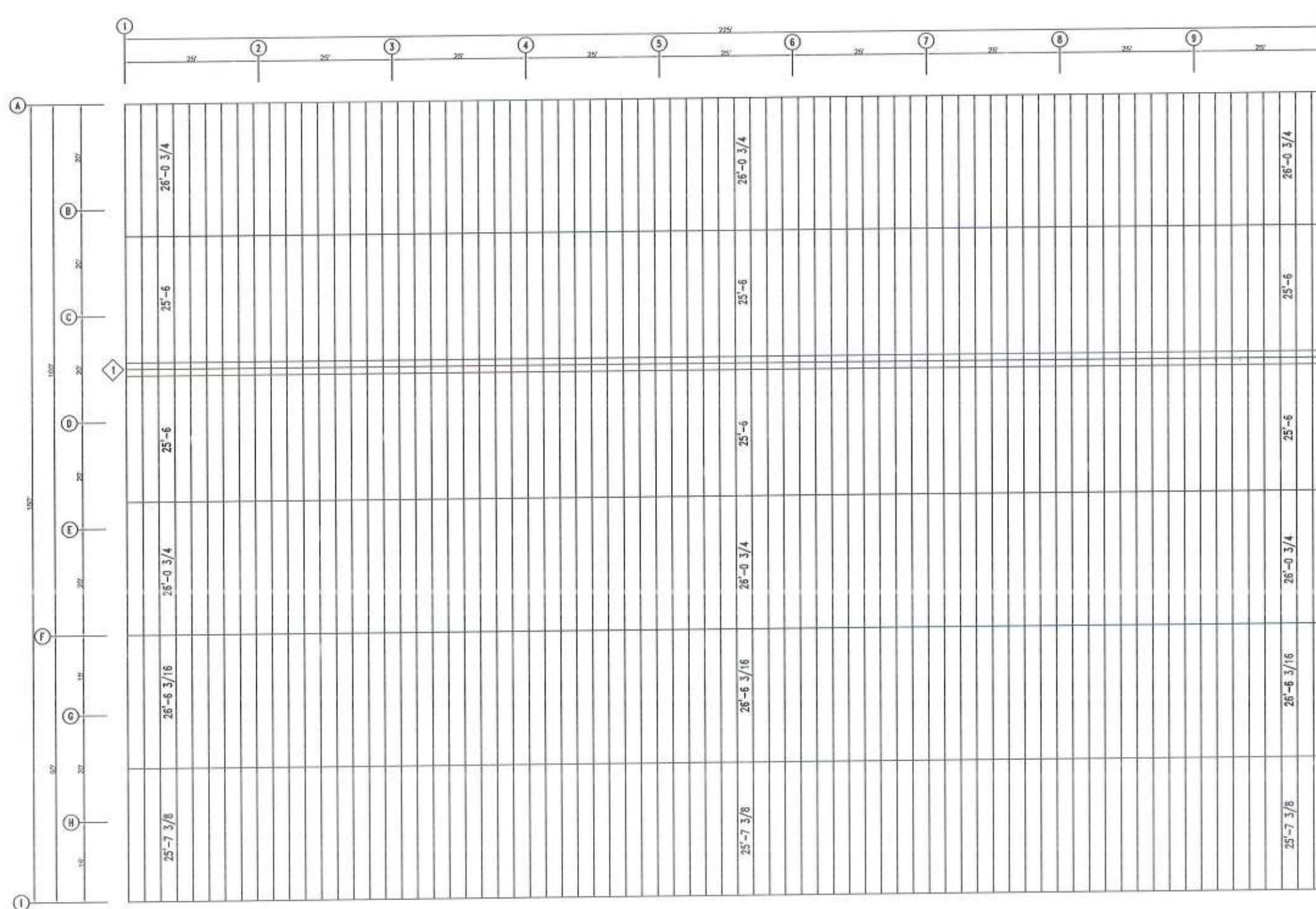
LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		

DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	@1000

JOB NAME:	CAPITAL METALS SUPPLY		ID:	19-173
JOB LOCATION:	LAKE CITY, FL			
DATE:	9/11/19	SCALE:	N.T.S.	
DRAWING TITLE:	ROOF FRAMING		DRAWING:	14 OF 25

TRIM TABLE		
ROOF PLAN		
ID	DESCRIPTION	LENGTH
1	DIE-FORM RIDGE CAP	2'-6"



ROOF SHEETING PLAN
PANELS: 26 Ga. PBR - Galvalume +



Gregory S. Barfield, P.E.
2149 Neil Purvis Road
Adel, GA 31620
P.E. # 54419

Greg S Barfield
3-26-20



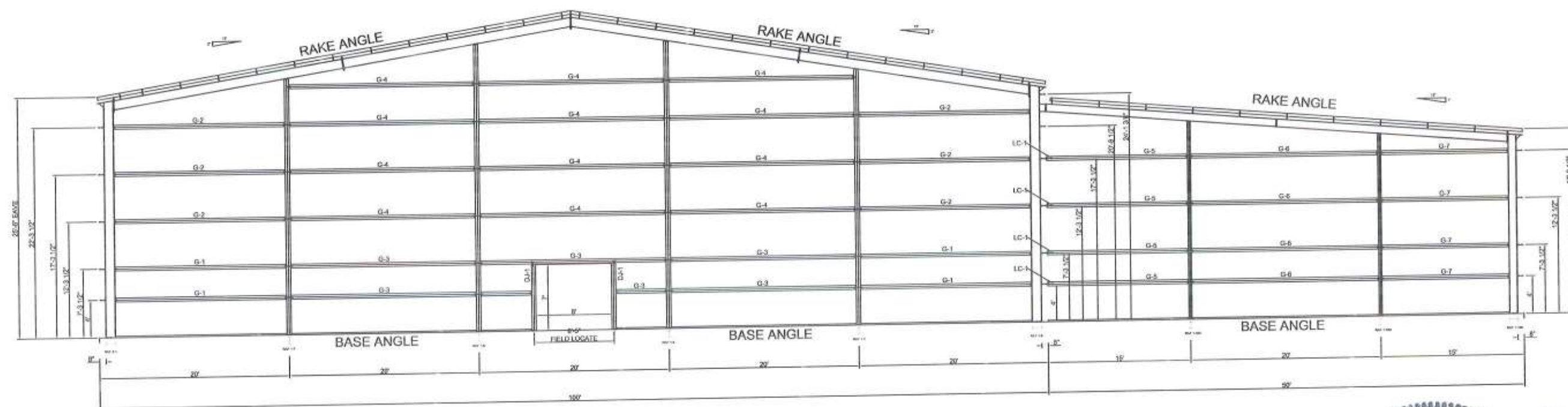
LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		

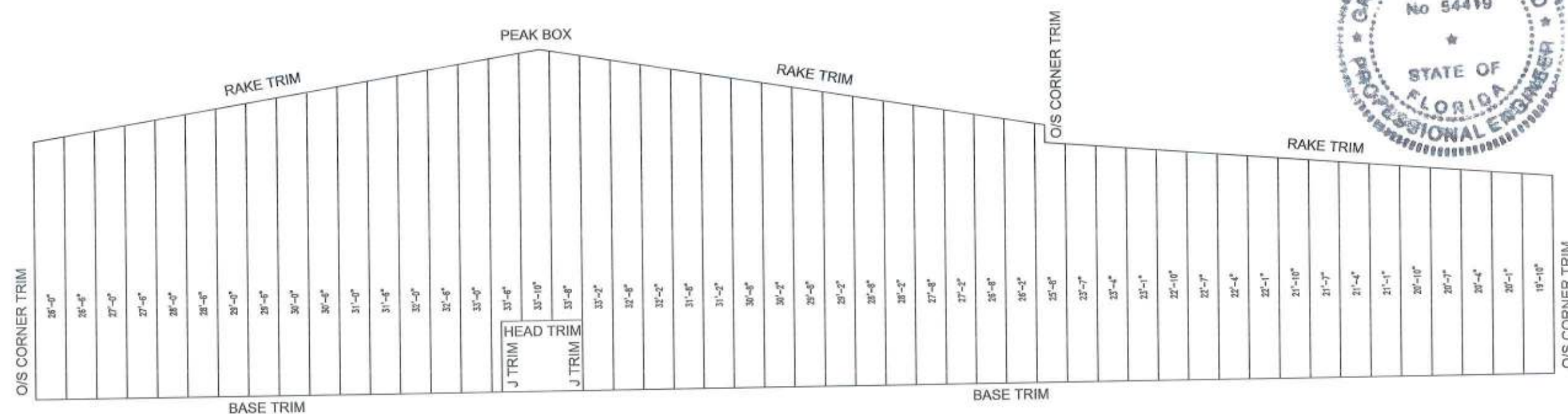
DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	@1400

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DWN:	RLH	DATE:	9/11/19
SCALE:	N.T.S.		
DRAWING TITLE:	ROOF SHEETING	DRAWING:	15 OF 25

MEMBER TABLE			
ENDWALL @ FL#1			
QTY	MARK	PART	LENGTH
4	G-1	8X25Z16	18'-0" 5/8"
8	G-2	8X25Z14	18'-0" 5/8"
6	G-3	8X25Z16	19'-6" 1/4"
12	G-4	8X25Z14	19'-6" 1/4"
4	G-5	8X25Z16	14'-9" 9/16"
4	G-6	8X25Z16	19'-7" 5/8"
4	G-7	8X25Z16	13'-3" 5/16"
2	DJ-1	8X25C16	6'-11" 3/4"
LOOSE PLATES			
FRAME LINE 1			
QTY	MARK/PART		
4	11C-1		



END WALL @ FL# 1



END WALL @ FL# 1
PANELS 26GA. PBR SIG 200



Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419

3-26-20



LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

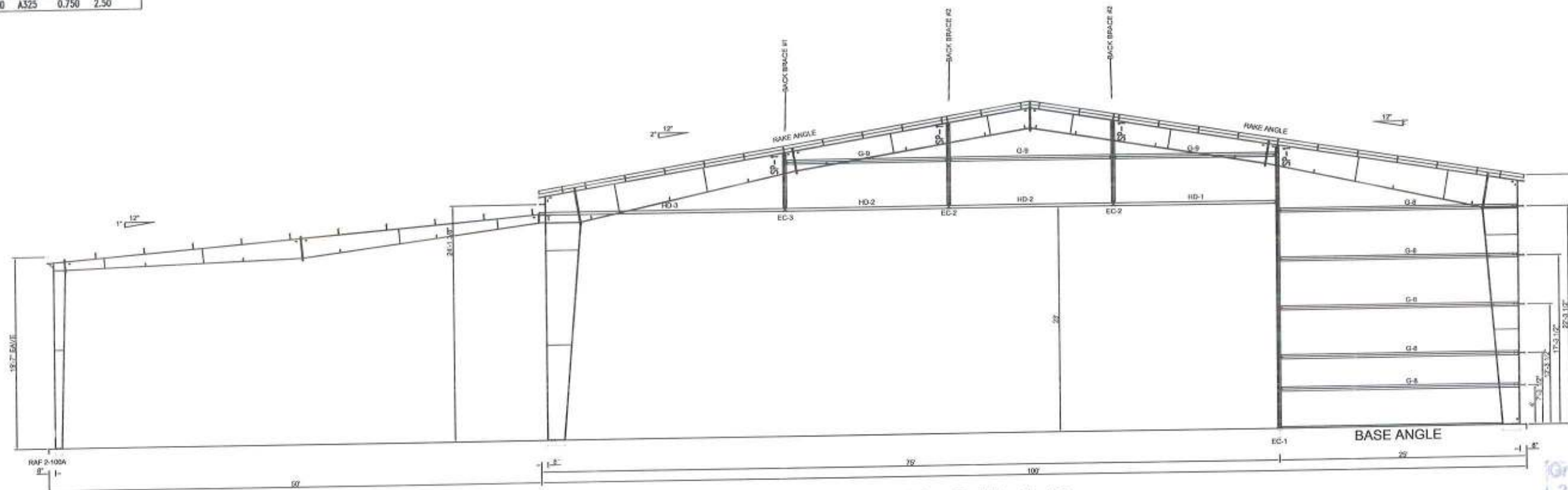
DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD (3 SECOND GUST):	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY (SEISMIC USE GROUP):	GMDO

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DATE:	9/11/19	SCALE:	N.T.S.
DRAWING TITLE:	ENDWALL FRAMING & SHEETING	DRAWING	16 OF 25

SPRUE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Length
SP-1	2	2	0	0	A325	0.750 2.50

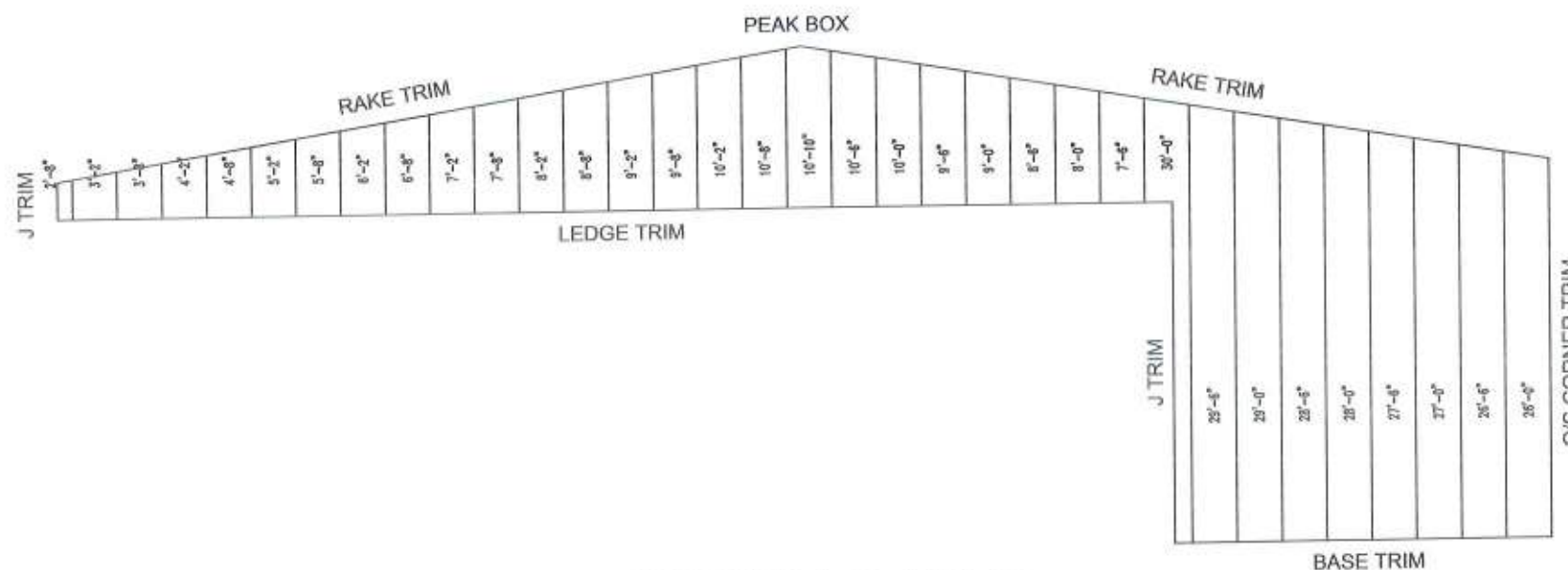
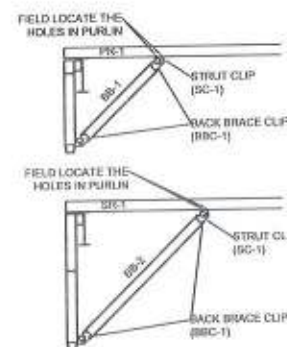
MEMBER TABLE			
QTY	MARK	PART	LENGTH
1	EC-1	W8x13	28'-10 1/16"
2	EC-2	W8x10	8'-7 3/8"
1	EC-3	W8x10	5'-10 1/16"
1	HD-1	8X35x14	16'-5 7/16"
2	HD-2	8X35x14	16'-7 5/16"
1	HD-3	8X35x14	24'-11 7/16"
5	G-8	8X25214	24'-1 1/2"
3	G-9	8X25216	16'-3 1/2"
1	BB-1	8X35x14	6'-4 1/2"
2	BB-2	8X35x14	10'-5 5/8"

LOOSE PLATES			
QTY	MARK	PART	LENGTH
5	LC-1		
6	BB-1		
3	SC-1		



ENDWALL @ FL # 10

Gregory S. Barfield, P.E.
2149 Nell Purvis Road
Adel, GA 31620
P.E. # 54419



END WALL @ FL# 10
PANELS 26GA. PBR SIG 200



3-26-20

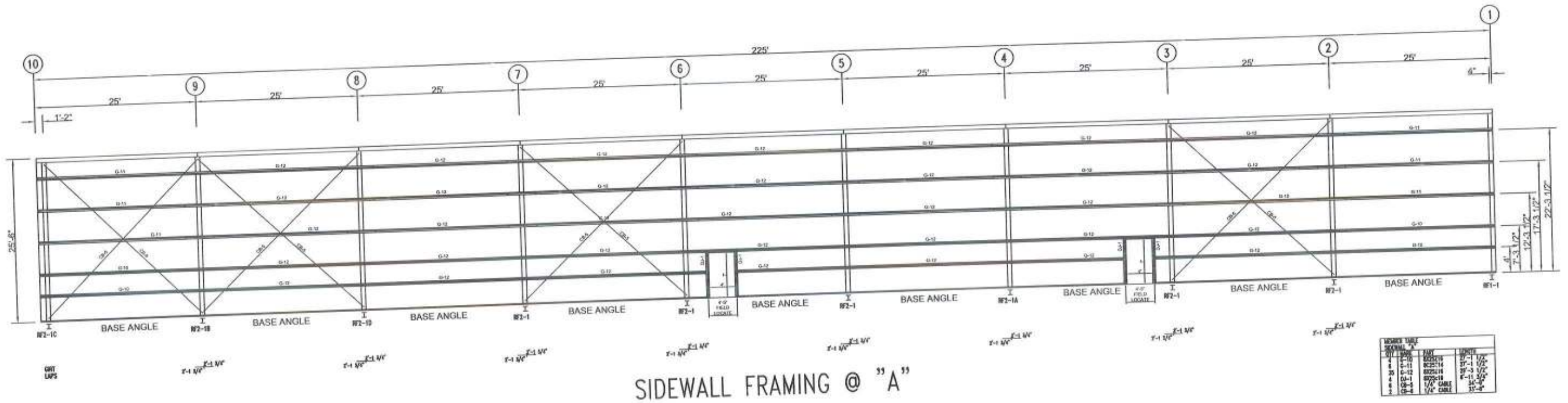


LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

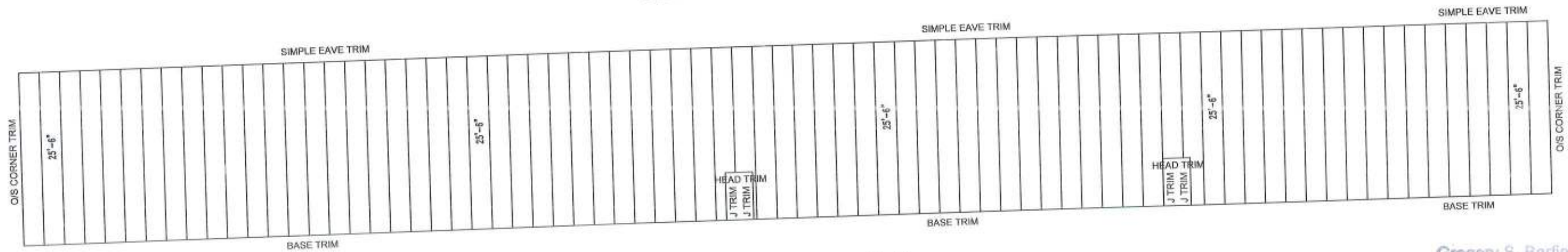
REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		

DESIGN CRITERIA		
BUILDING CODE:	FBC 17	
LIVE LOAD:	20.00	PSF
LIVE LOAD REDUCTION:	Yes	
COLLATERAL LOAD:	0.5	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST):	120	MPH
WIND IMPORTANCE FACTOR:	1.00	
WIND EXPOSURE:	C	
CATEGORY: (SEISMIC USE GROUP):	@UNO	

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DWN:	RLH	DATE:	9/11/19
SCALE:	N.T.S.		
DRAWING TITLE:	ENDWALL FRAMING & SHEETING	DRAWING	17 OF 25



SIDEWALL FRAMING @ "A"



SIDEWALL FRAMING @ "A"
PANELS 26GA. PBR SIG 200

Gregory S. Barfield, P.E.
2149 Nall Purvis Road
Adel, GA 31620
P.E. # 54419



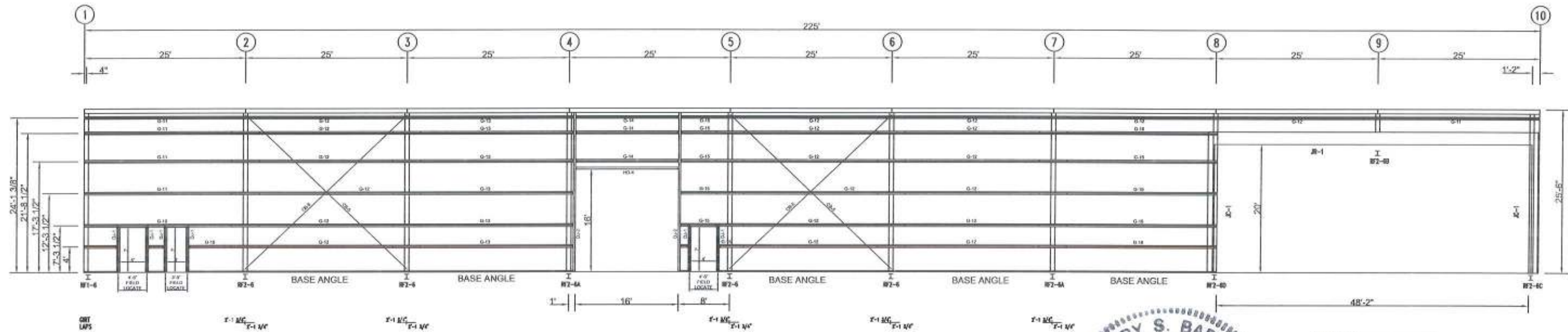
Agg 5 gh
3-26-20



LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		

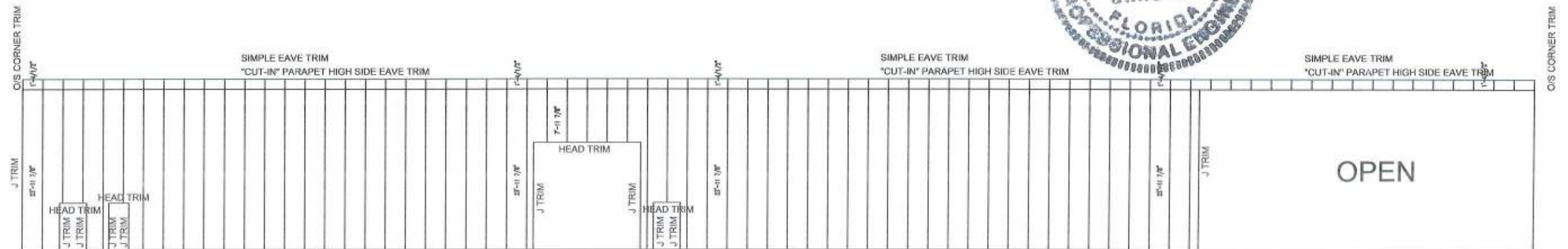
DESIGN CRITERIA	
BUILDING CODE:	IBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD (3 SECOND GUST):	128 MPH
WIND IMPORTANCE FACTOR:	1.



SIDEWALL FRAMING @ "F"



ITEM	DESCRIPTION	QUANTITY	UNIT
1	2x10	10	LF
2	2x12	10	LF
3	2x14	10	LF
4	2x16	10	LF
5	2x18	10	LF
6	2x20	10	LF
7	2x22	10	LF
8	2x24	10	LF
9	2x26	10	LF
10	2x28	10	LF



SIDEWALL FRAMING @ "F"
PANELS 26GA. PBR SIG 200

Agg 5 gh
3-26-20

Gregory S. Barfield, P.E.
2149 Neil Purvis Road
Adel, GA 31620
P.E. # 54419

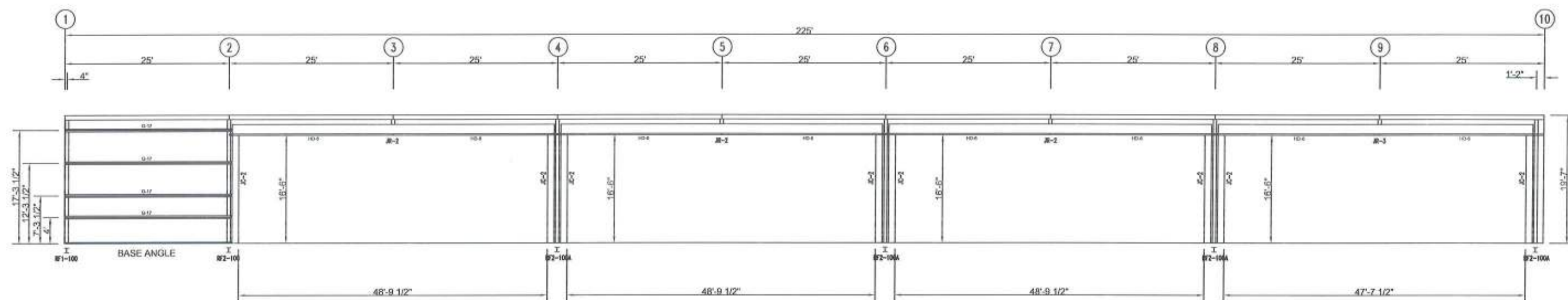


LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

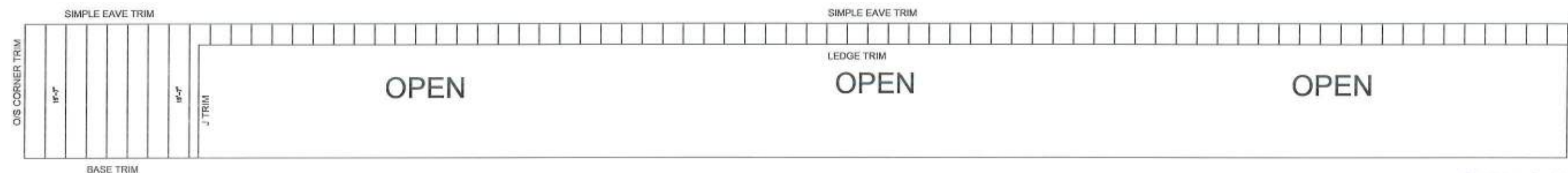
DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST):	120 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	@400

JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DWG:	RLH	DATE:	9/11/19
DRAWING TITLE:	SIDEWALL FRAMING & SHEETING	SCALE:	N.T.S.
			19 OF 25



SIDEWALL FRAMING @ "1"

NO.	DESCRIPTION	QTY	UNIT
1	1" x 4" LVL	1	LINEAL FT



SIDEWALL FRAMING @ "1"
PANELS 26GA. PBR SIG 200

Gregory S. Barfield, P.E.
2149 Neil Purvis Road
Adel, GA 31620
P.E. # 54419



gh
3-26-20



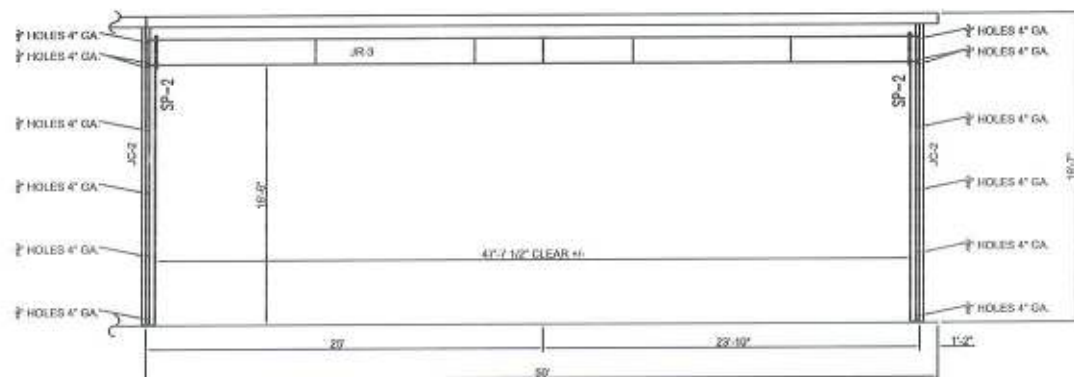
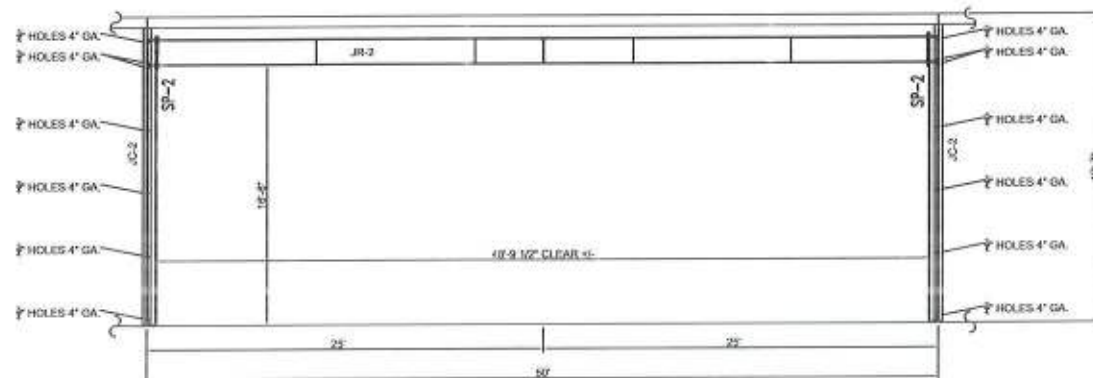
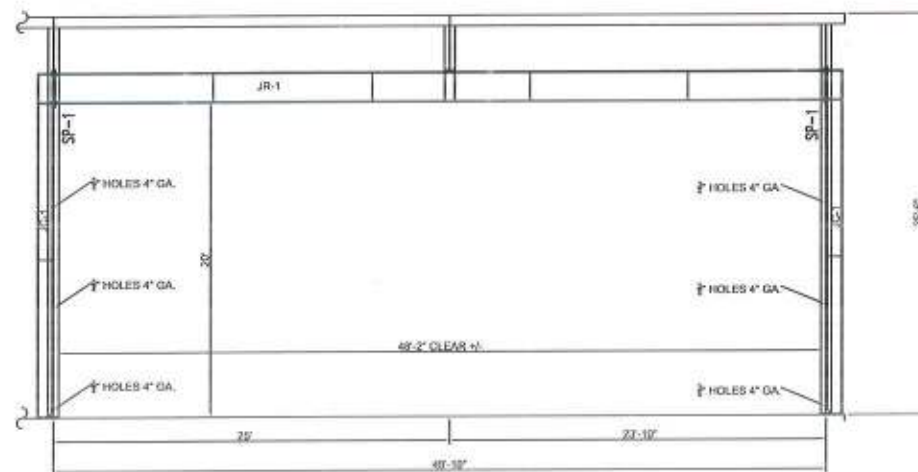
LARIAT STEEL DESIGN

78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		

DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	25.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	128 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	II

JOB NAME		ID
CAPITAL METALS SUPPLY		19-173
JOB LOCATION		
LAKE CITY, FL		
DWG	DATE	SCALE
RLH	9/11/19	N.T.S.
DRAWING TITLE		DRAWING
LEAN-TO SIDEWALL FRAMING & SHEETING		28 OF 25



MEMBER TABLE		Web Depth		Web Plate		Outside Flange		Inside Flange	
Mark	Length	Start/End	Thick	Length	Thick	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length
JR-1	21'-10 3/4"	10.8/10.8	0.375	10'-0"	0.375	8 x 5/8" x 20'-0"	8 x 5/8" x 18'-0"	8 x 5/8" x 18'-0"	8 x 5/8" x 18'-0"
JR-2	18'-1 3/4"	6.0/6.0	0.500	18'-0 3/4"	0.500	6 x 1/2" x 17'-10 1/4"	6 x 1/2" x 16'-2 3/4"	6 x 1/2" x 16'-2 3/4"	6 x 1/2" x 16'-2 3/4"
JR-3	48'-9 1/2"	21.5/21.5	0.500	10'-0"	0.500	8 x 5/8" x 20'-0"	8 x 5/8" x 20'-0"	8 x 5/8" x 20'-0"	8 x 5/8" x 20'-0"
		21.5/21.5	0.500	10'-0"	0.500	8 x 5/8" x 20'-0"	8 x 5/8" x 20'-0"	8 x 5/8" x 20'-0"	8 x 5/8" x 20'-0"
		21.5/21.5	0.500	10'-0"	0.500	8 x 5/8" x 8'-7 1/2"	8 x 5/8" x 8'-7 1/2"	8 x 5/8" x 8'-7 1/2"	8 x 5/8" x 8'-7 1/2"
		21.5/21.5	0.500	10'-0"	0.500	8'-7 1/2"			
JR-4	48'-9"	18.8/18.8	0.500	10'-0"	0.500	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"
		18.8/18.8	0.500	10'-0"	0.500	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"
		18.8/18.8	0.500	10'-0"	0.500	6 x 1/2" x 8'-7 1/2"	6 x 1/2" x 8'-7 1/2"	6 x 1/2" x 8'-7 1/2"	6 x 1/2" x 8'-7 1/2"
		18.8/18.8	0.500	10'-0"	0.500	8'-7 1/2"			
JR-5	47'-7"	18.8/18.8	0.500	10'-0"	0.500	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"
		18.8/18.8	0.500	10'-0"	0.500	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"	6 x 1/2" x 20'-0"
		18.8/18.8	0.500	10'-0"	0.500	6 x 1/2" x 7'-5 1/2"	6 x 1/2" x 7'-5 1/2"	6 x 1/2" x 7'-5 1/2"	6 x 1/2" x 7'-5 1/2"
		18.8/18.8	0.500	10'-0"	0.500	7'-5 1/2"			

SPICE BOLT TABLE							
Mark	Qty	Top	Bot	Int	Type	Dia	Length
SP-1	4	4	2		A325	0.875	3.50
SP-2	4	4	2		A325	0.750	2.50



Gregory S. Barfield, P.E.
2149 Neli Purvis Road
Adel, GA 31620
P.E. # 54419

Ag 5 Bl
3-26-20

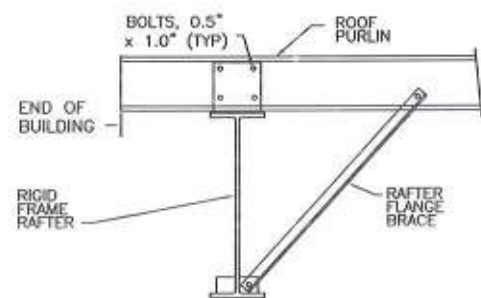


LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

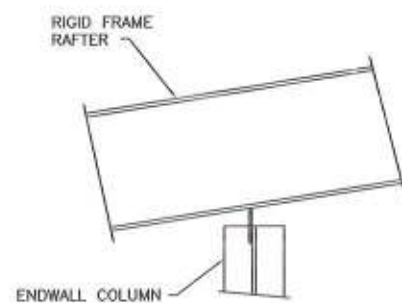
REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST):	120 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP):	@U400

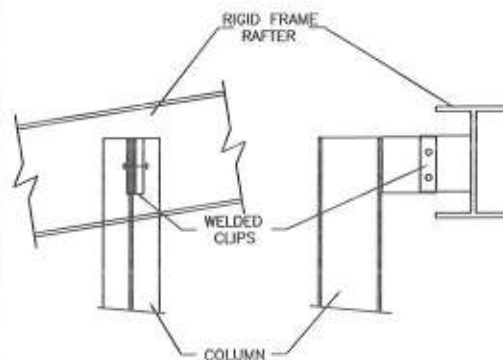
JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DWN:	RLH	DATE:	9/11/19
DRAWING TITLE:	JACK FRAMES	SCALE:	N.T.S.
		DRAWING:	22 OF 25



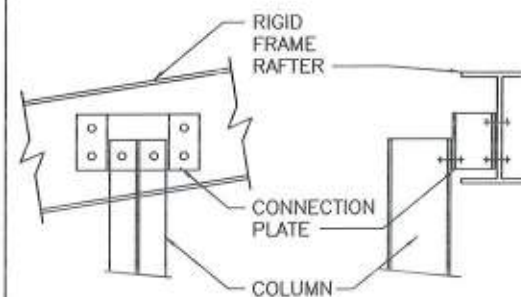
(A10) ROOF PURLIN TO EXPANDABLE ENDWALL RIGID FRAME



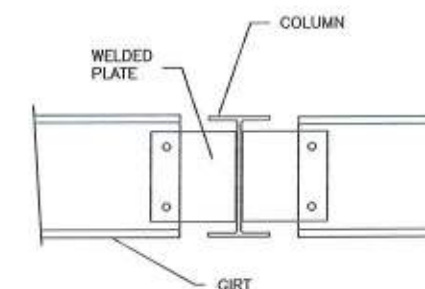
(B19) COLUMN TO RIGID FRAME RAFTER



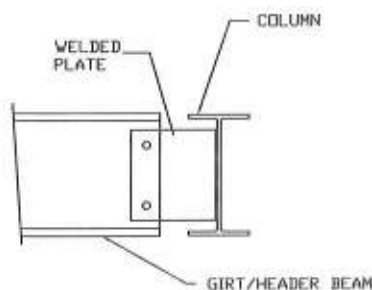
(B35) R/W COLUMN TO RIGID FRAME RAFTER



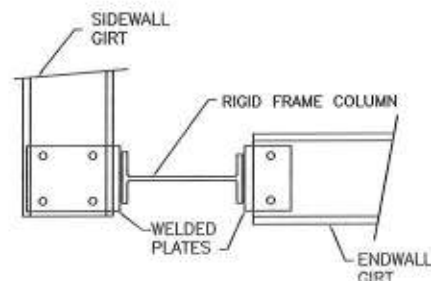
(B44) R/W COLUMN TO RIGID FRAME RAFTER



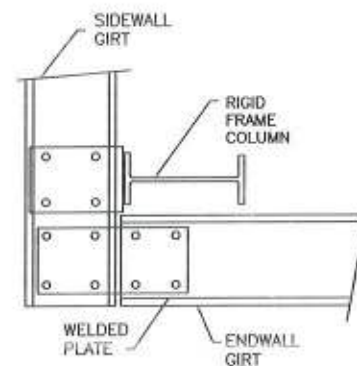
(C6) GIRT TO COLUMN



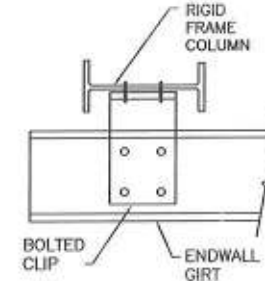
(C15) GIRT/HEADER BEAM TO R/W COLUMN



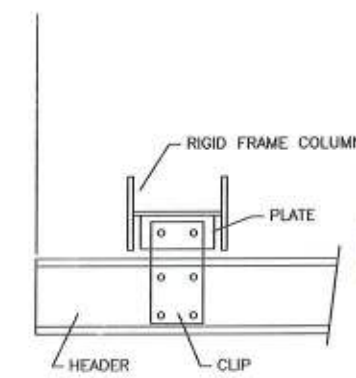
(D15) CORNER COLUMN TO WALL GIRT



(D16) CORNER COLUMN TO WALL GIRT



(D27) CORNER COLUMN TO ENDWALL GIRT

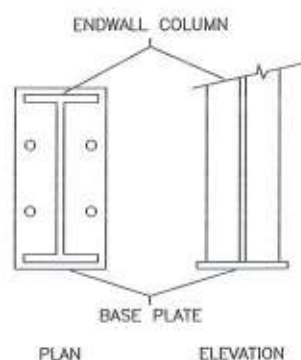


(D73) HEADER TO RIGID FRAME

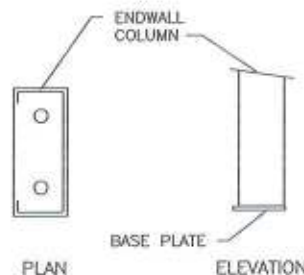


Gregory S. Barfield, P.E.
2149 Neil Purvis Road
Adel, GA 31620
P.E. # 54419

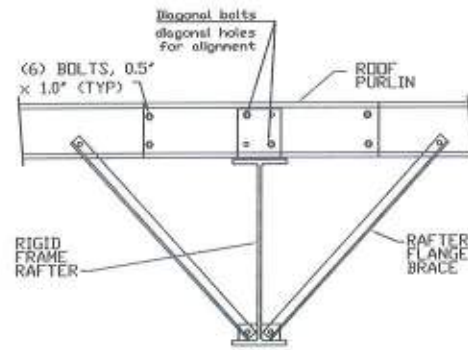
gh
3-26-20



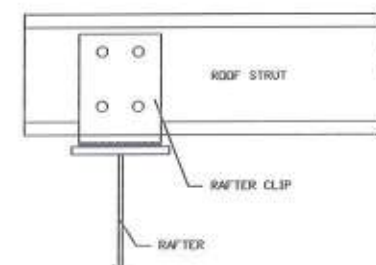
(E3) BASE PLATE FOR ENDWALL COLUMN



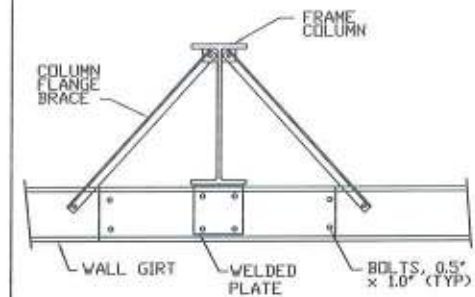
(E5) BASE PLATE TO ENDWALL COLUMN OR DOOR JAMB



(G2) ROOF PURLIN TO INTERIOR FRAME RAFTER



(G16) BYPASS ROOF STRUT TO RIGID FRAME RAFTER



(H2) WALL GIRT TO FRAME COLUMN

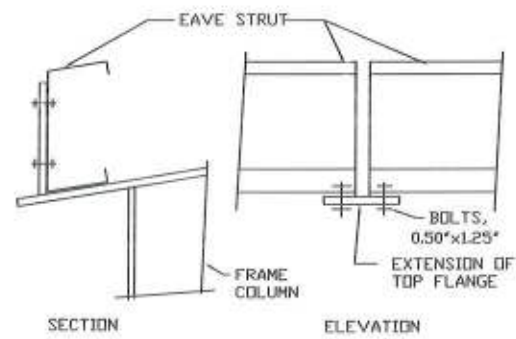


LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

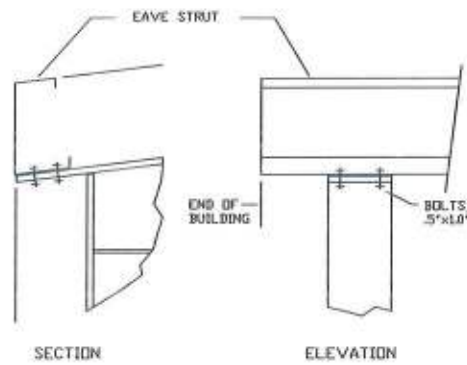
REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD (3 SECOND GUST):	125 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	@4000

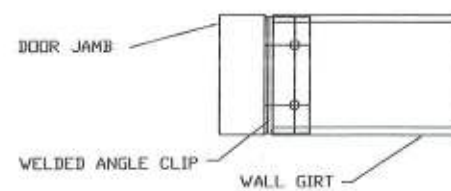
JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DATE:	9/11/19	SCALE:	N.T.S.
DRAWING TITLE:	DETAILS	DRAWING	23 OF 25



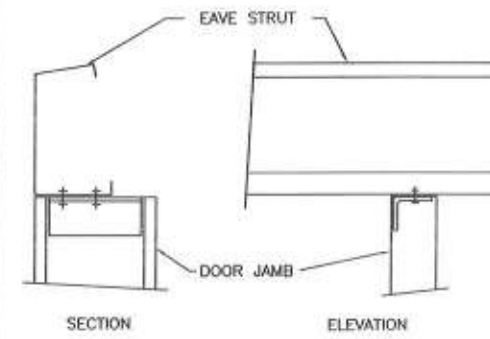
J2 EAVE STRUT TO RIGID FRAME



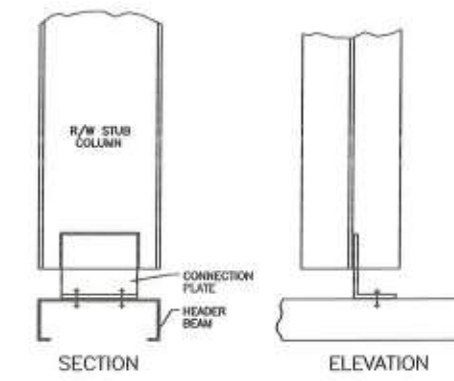
J24 EAVE STRUT TO RIGID FRAME



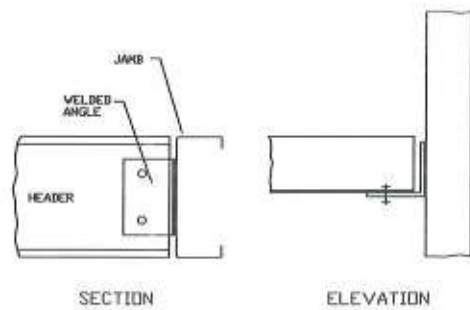
K3 WALL GIRTS TO DOOR JAMB



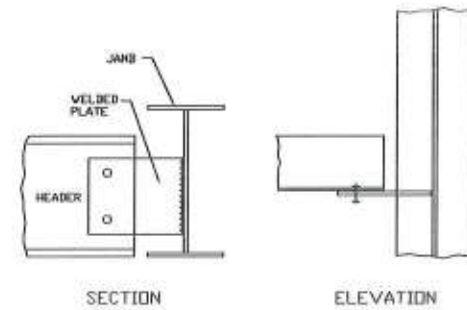
L3 DOOR JAMB TO EAVE STRUT



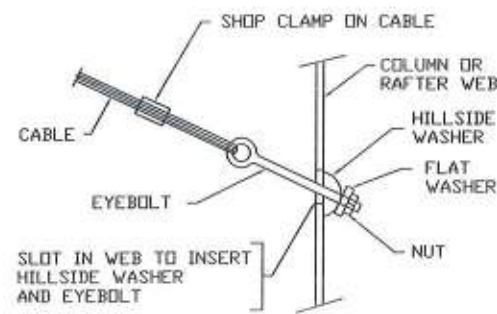
L22 C HEADER BEAM TO R/W STUB COLUMN



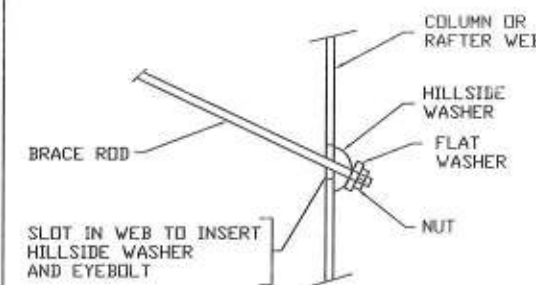
M5 HEADER TO C JAMB



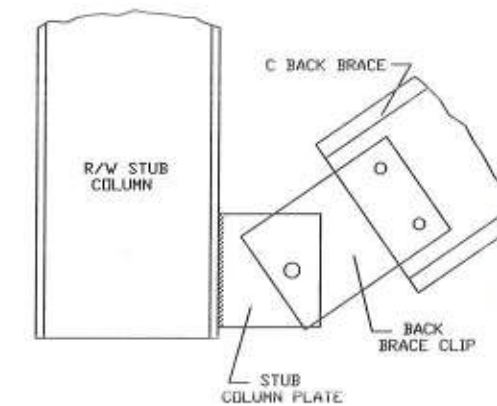
M13 HEADER TO R/W JAMB



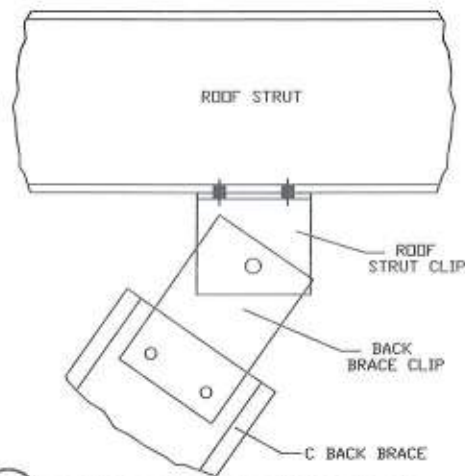
Q2 DIAGONAL CABLE, EYEBOLT END



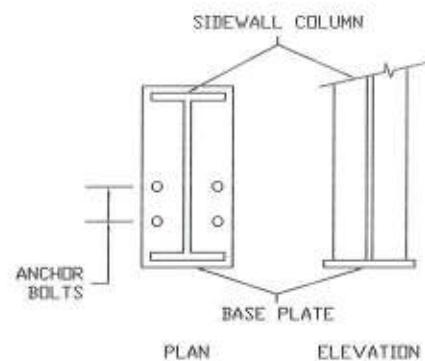
Q3 DIAGONAL BRACE ROD, NUT END



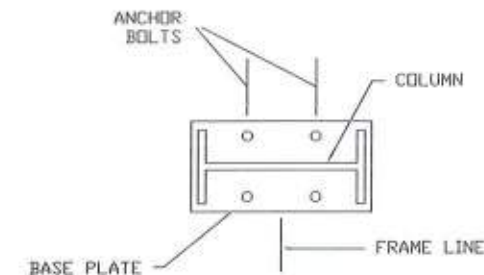
Q9 BACK BRACE TO R/W STUB COLUMN



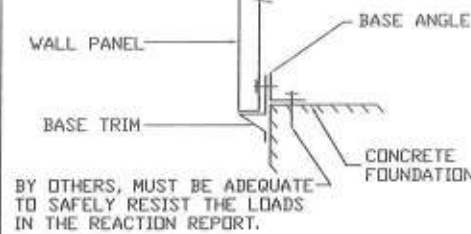
Q23 BACK BRACE TO ROOF STRUT



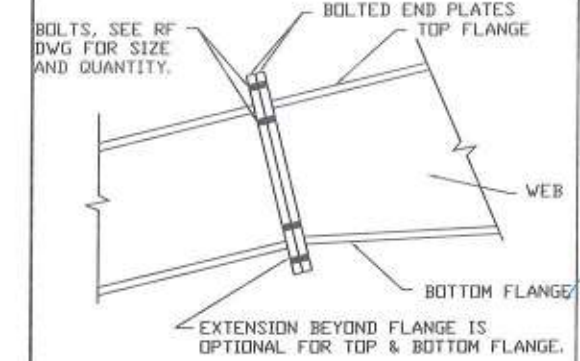
R2 ANCHOR BOLTS AT SIDEWALL COLUMN



S2 INTERIOR COLUMN ANCHOR BOLTS



T1 SECTION THRU WALL PANEL AND CONCRETE FOUNDATION



U1 BOLTED END PLATE RAFTER SPLICE



Gregory S. Barfield, P.E.
2149 Neil Purvis Road
Adel, GA 31620
P.E. # 54419

3-26-20

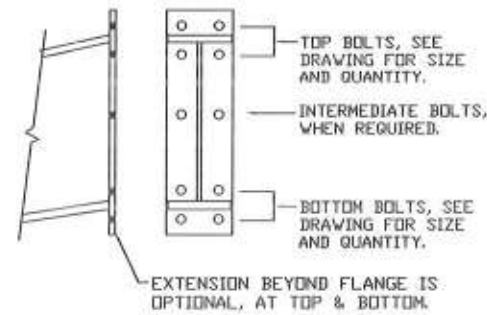


LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

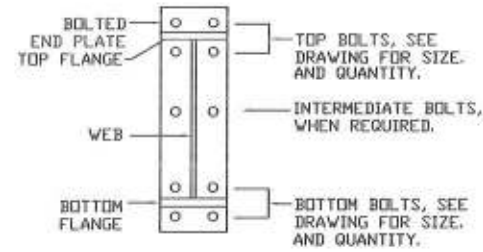
REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

DESIGN CRITERIA	
BUILDING CODE:	IBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	120 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	II/III

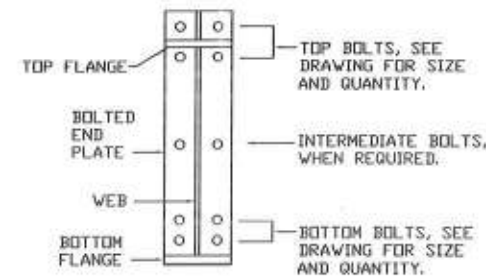
JOB NAME:	CAPITAL METALS SUPPLY	ID:	19-173
JOB LOCATION:	LAKE CITY, FL		
DRAWN:	RLH	DATE:	9/11/19
DRAWING TITLE:	DETAILS	SCALE:	N.T.S.
		DRAWING	24 OF 25



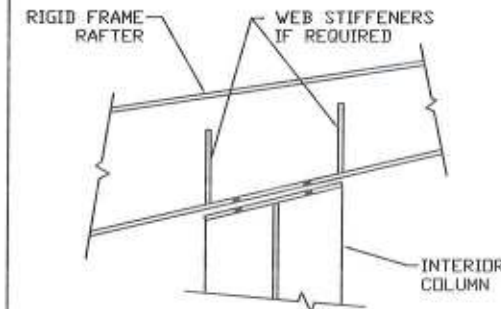
U2 BOLTED END PLATE CONNECTION AT BUILDING PEAK



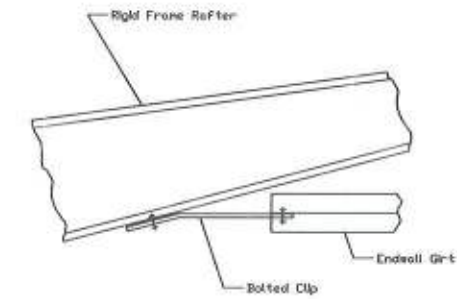
U3 BOLTS FOR RAFTER TO COLUMN CONNECTION



U5 BOLTS FOR RAFTER TO COLUMN CONNECTION



V2 INTERIOR COLUMN TO RAFTER



W4 SECTION OF ENDWALL GIRT TO RAFTER



Gregory S. Barfield, P.E.
2149 Neil Purvis Road
Adel, GA 31620
P.E. # 54419

Off 5 Jh
3-26-20



LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL, GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
"A"		
"B"		
"C"		
"D"		
"E"		
"F"		
"G"		

DESIGN CRITERIA	
BUILDING CODE:	FBC 17
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	0.5 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	120 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	@4000

JOB NAME:	CAPITAL METALS SUPPLY	ID	19-173
JOB LOCATION:	LAKE CITY, FL		
DWN	RLH	DATE	9/11/19
SCALE:	N.T.S.		
DRAWING TITLE:	DETAILS		
DRAWING	25 OF 25		