



LARIAT STEEL DESIGN

78 AIRPORT LANE ~ ADEL GEORGIA 31620

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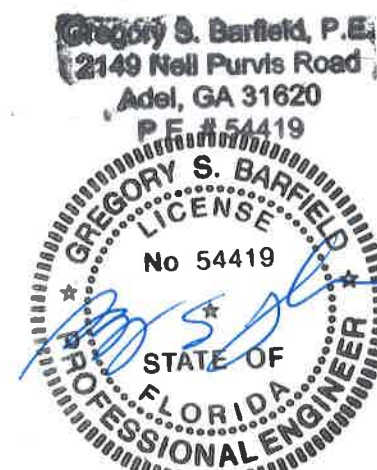
TITLE BLOCK

CVR - COVER PAGE
01 - FOUNDATION PLAN
02 - FOUNDATION DETAILS
03 - ANCHOR BOLT PLAN
04 - ANCHOR BOLT DETAILS
05 - REACTIONS
06 - FRAME ELEVATION
07 - FRAME ELEVATION
08 - ROOF FRAMING
09 - ROOF SHEETING
10 - ENDWALL @ FL#1
11 - ENDWALL @ FL#3
12 - SIDEWALL @ "A"
13 - SIDEWALL @ "D"
14 - ROOF INSULATION
15 - WALL INSULATION
16 - DETAILS
17 - DETAILS

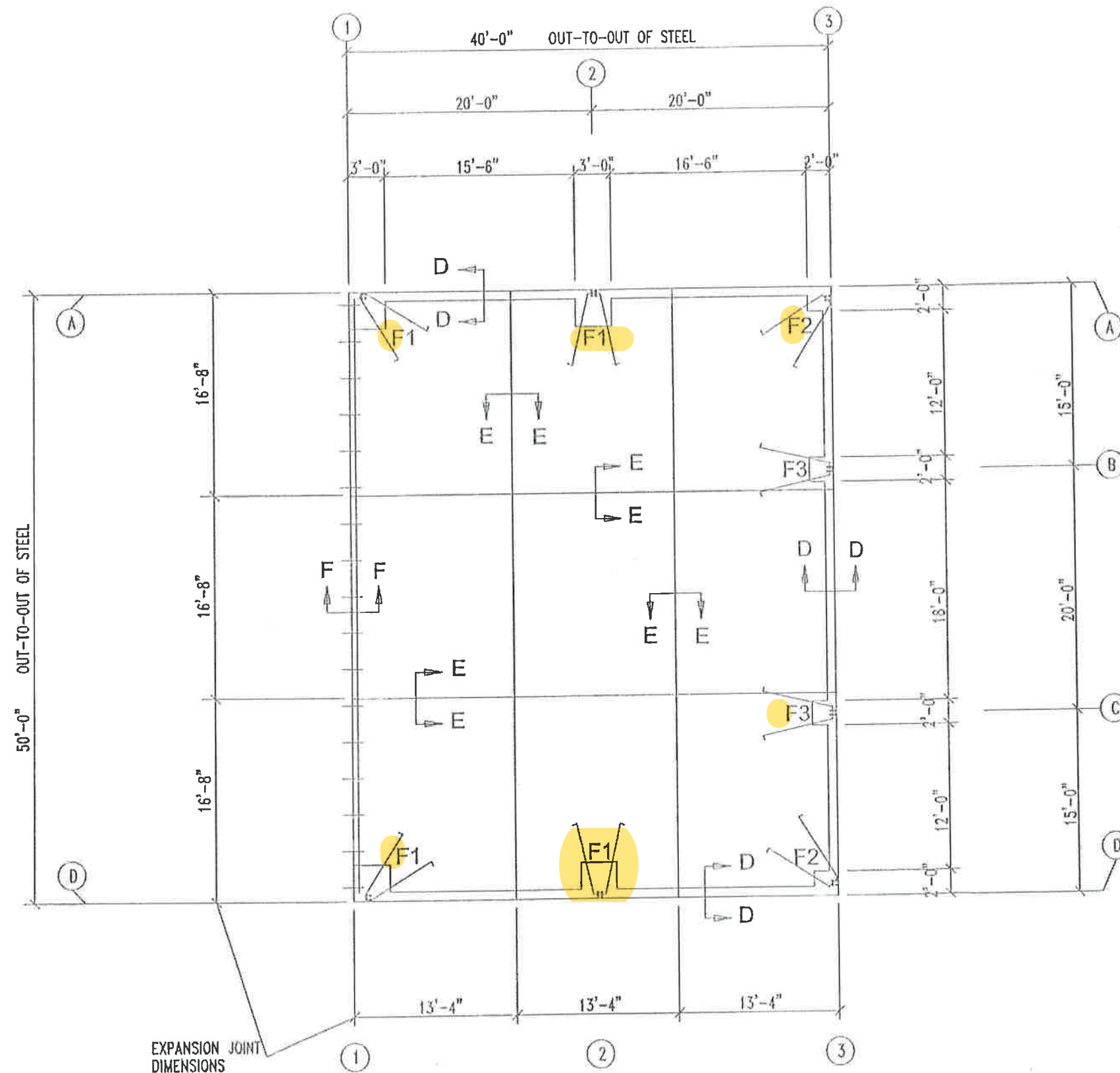
FOR CONSTRUCTION

PROJECT NAME: KENNETH EDENFIELD "THE CROSS CHURCH"
PROJECT ADDRESS: LAKE CITY, FL.

C.D.#: 21-170
DRAFTER: RLH
DATE: 5/12/21



5-21-21



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



5-21-21

FOOTER SCHEDULE

ID	SIZE	REINFORCING
F1	(2) 3'-0" X 3'-0" X 3'-0"	#5 @ 6" O.C. EACH WAY
F2	(1) 2'-0" X 2'-0" X 2'-0"	#5 @ 6" O.C. EACH WAY
F3	(1) 2'-0" X 2'-0" X 2'-0"	#5 @ 6" O.C. EACH WAY

NOTE: ALL SPLICES IN REBAR
MUST BE MINIMUM OF 24"
(12" EACH WAY)



LARIAT STEEL DESIGN

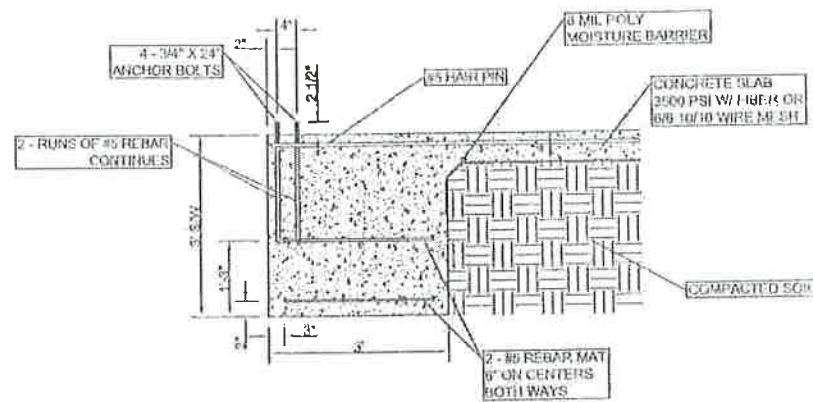
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)696-2022
FAX: (229)696-2033
EMAIL: lariatsteel@gmail.com

REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		

DESIGN CRITERIA	
BUILDING CODE:	IBC 201
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	2 PSF
SNOW LOAD:	0 PSF
WIND LOAD (3 SECOND GUST):	119 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY (SEISMIC USE GROUP):	II - Normal

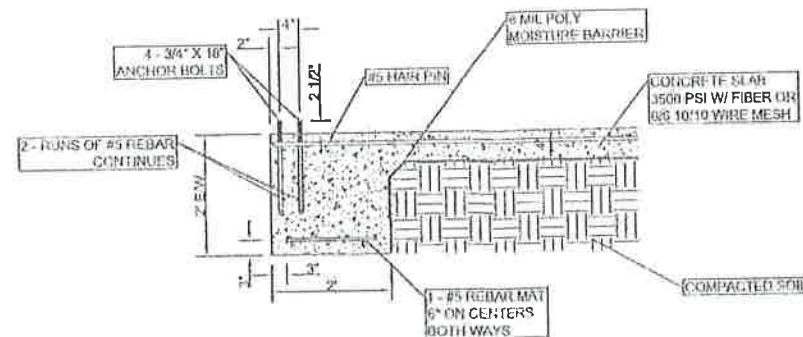
JOB NAME:	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID:	21-170
JOB LOCATION:	LAKE CITY, FL.		
DRAWN:	RLH	DATE:	5/12/21
DRAWING TITLE:	FOUNDATION PLAN	SCALE:	N.T.S.
		DRAWING	1 OF 17

MAIN COLUMN (PIER) DETAIL



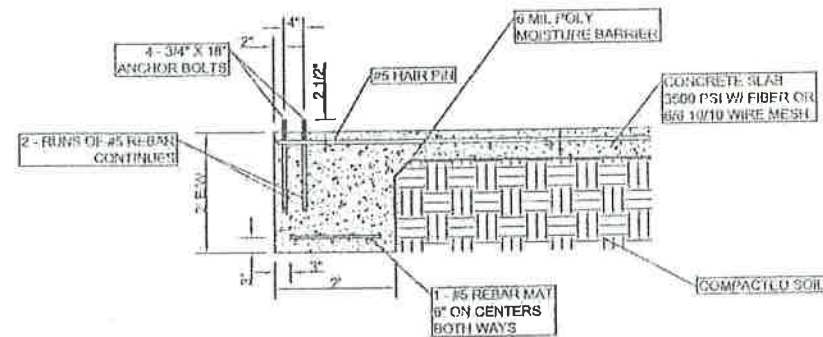
DETAIL F1

CORNER COLUMN (PIER) DETAIL



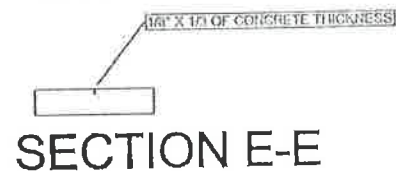
DETAIL F2

INTERIOR COLUMN (PIER) DETAIL



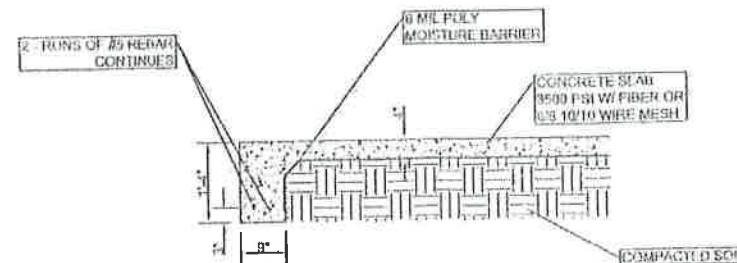
DETAIL F3

CONTROL JOINT DETAIL



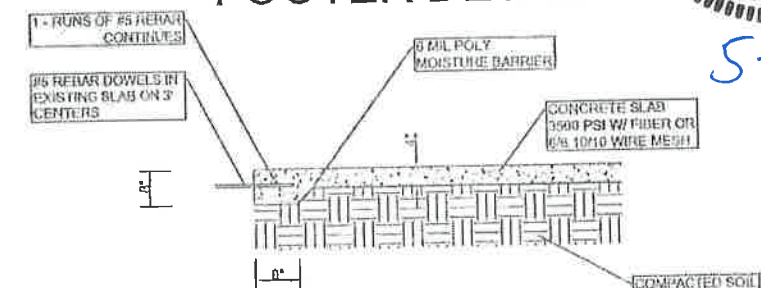
SECTION E-E

FOOTER DETAIL



SECTION D-D

FOOTER DETAIL



SECTION F-F

GENERAL FOUNDATION NOTES

1. ALL REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS.
2. ALL POURED IN PLACE CONCRETE SHALL BE F C MINIMUM 3500 PSI @ 28 DAYS UNLESS OTHERWISE SPECIFIED.
3. WELDED WIRE MESH SHALL MEET ASTM A-185.
4. FOUNDATION & FOOTING SIZING BASED ON ASSUMED SOIL BEARING CAP. OF 2500 PSI.
5. THE UPPER 12" OF BEARING SOILS IN FOOTING SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR.
6. MIN. REINFORCING STEEL COVER AT EARTH: 3".
7. SLUMP RANGE AT POINT OF DISCHARGE: 3" TO 6".
8. OVERLAP ALL WWF A MINIMUM OF 6".
9. LAP ALL REINFORCING STEEL A MIN. OF 24".
10. REMOVE TOPSOIL & ORGANIC MATERIAL FROM TOP 2" OF EXISTING GRADE.
11. TAMP TO 5' OUTSIDE BUILDING FOOTPRINT WITH VIBRATORY COMPACTOR.
12. FILL TO WITHIN 4' OF F.F.E. WITH CLEAN SAND FILL.
13. COMPACT TOP 6" OF FILL MATERIAL TO 95% OF MODIFIED PROCTOR DENSITY (MIN).
14. SAW INDICATED CRACK CONTROL JOINTS WITHIN 8 HRS OF CONCRETE PLACEMENT.
15. SOIL IN FOOTING TRENCHES SHALL BE FREE OF ORGANIC MATERIAL OR CLAY. IF EITHER IS ENCOUNTERED IN FOOTING TRENCHES REMOVE IT & REPLACE WITH COMPACTED SAND.
16. BUILDER TO REVIEW ALL DIMENSIONS & DETAILS COMPARE WITH ANCHOR BOLT DWGS FOR DISCREPANCIES.
17. COMPACTION TEST AND CONCRETE BREAK TEST IF REQUIRED TO BE OWNER RESPONSIBILITY.

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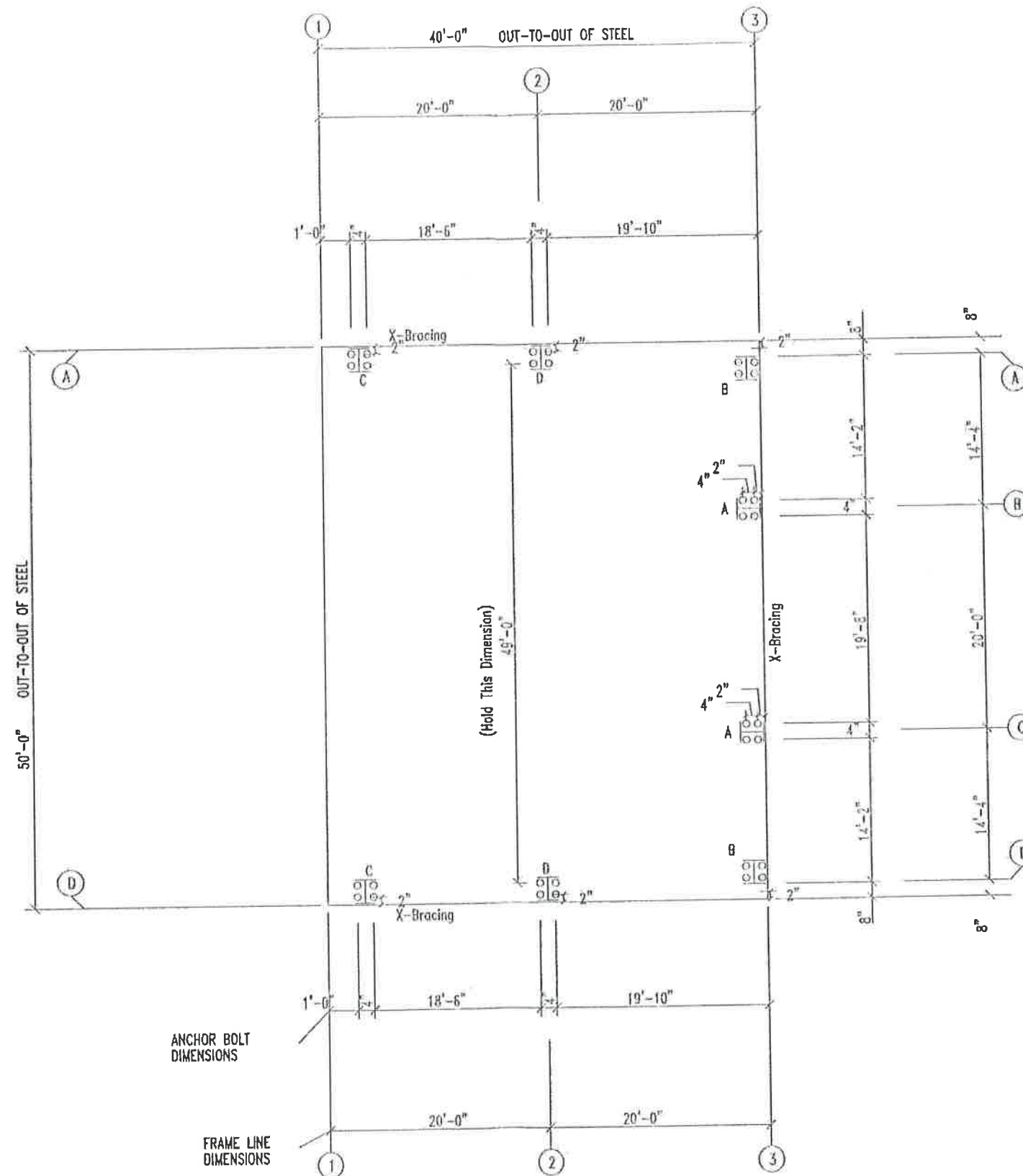
LARIAT STEEL DESIGN

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REVISION	DATE	BY
A		
B		
C		
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DESIGN CRITERIA	
BUILDING CODE	IRC 20
LIVE LOAD	20 PSF
LIVE LOAD REDUCTION	Yes
COLLATERAL LOAD	2 PSF
SNOW LOAD	0 PSF
WIND LOAD (3 SECOND GUST)	119 MPH
WIND IMPORTANCE FACTOR	1.00
WIND EXPOSURE	C
CATEGORY (SEISMIC USE GROUP)	II, Normal

JOB NAME	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID	21-170
JOB LOCATION	LAKE CITY, FL.		
Dwn	RLH	DATE	5/12/21
SCALE	N.T.S.		
DRAWING TITLE	FOUNDATION PLAN	DRAWING	2 of 17



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

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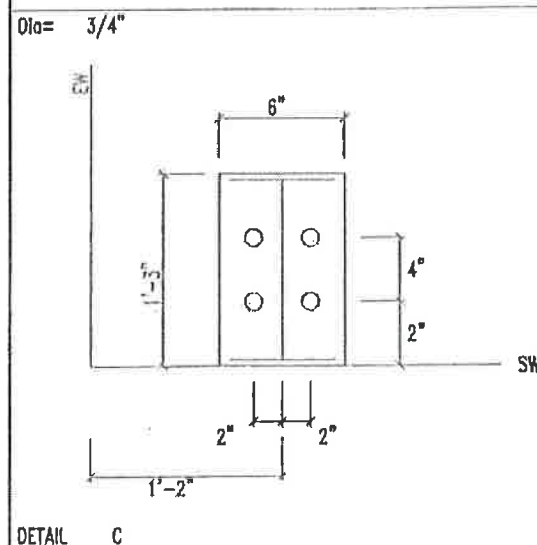
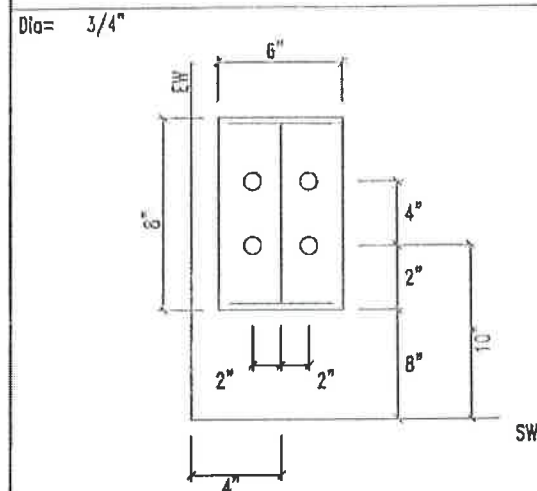
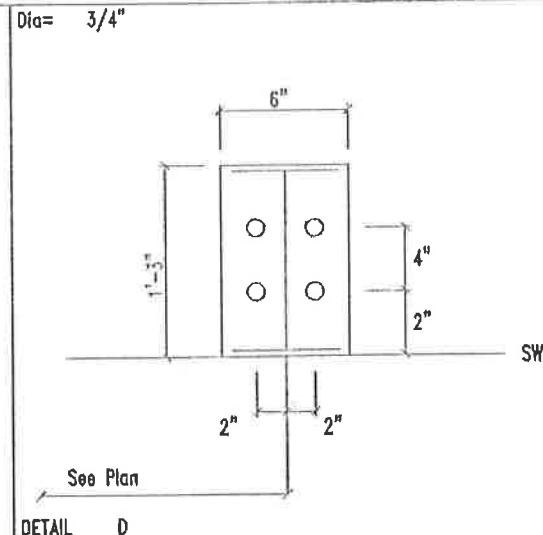
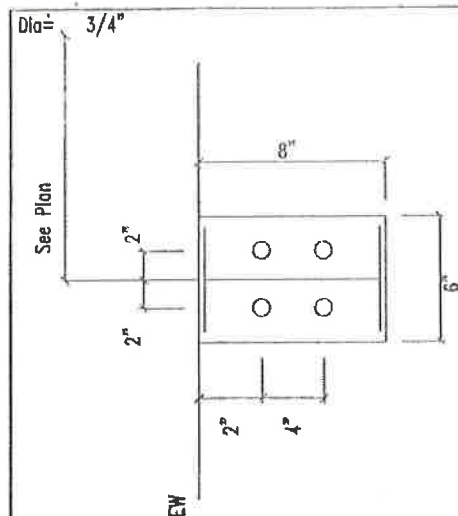


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DESIGN CRITERIA	
BUILDING CODE:	IBC 20
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
CORRELATIVE LOAD:	2 PSF
SNOW LOAD:	0 PSF
WIND LOAD (3 SECOND GUST):	119 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY (SEISMIC USE GROUP):	B - Normal

JOB NAME:	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID:	21-170
JOB LOCATION:	LAKE CITY, FL.		
DATE:	5/12/21	SCALE:	N.T.S.
DRAWN BY:	RLH		
DRAWING TITLE:	ANCHOR BOLT PLAN		
		3 OF	17



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REVISION	DATE	BY
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DESIGN CRITERIA	
BUILDING CODE	IBC 20
LIVE LOAD	20.00 PSF
LIVE LOAD REDUCTION	Var
CORRELATIVE LOAD	2 PSF
SNOW LOAD	0 PSF
WIND LOAD (3 SECOND GUST)	110 MPH
WIND IMPORTANCE FACTOR	1.00
WIND EXPOSURE	C
CATEGORY (SEISMIC USE GROUP)	II - Normal

JOB NAME	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID	21-170
JOB LOCATION	LAKE CITY, FL.		
DATE	5/12/21	SCALE	N.T.S.
DRAWING TITLE	ANCHOR BOLT DETAILS	4	DF 17

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

Wain (ft)	=	50.0
Length (ft)	=	40.0
Tree Height (ft)	=	12.0/ 12.0
Root Slope (rise/12)	=	3.0/ 3.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	2.0
Root Thr Load(psf)	=	20.0
Frame Thr Load(psf)	=	12.0
Wind Speed (mph)	=	119.0
Wind Code	=	IBC 20 (BC 18)
Exposure	=	C
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	B
Seismic Coeff (Fa/Sa)	=	0.14

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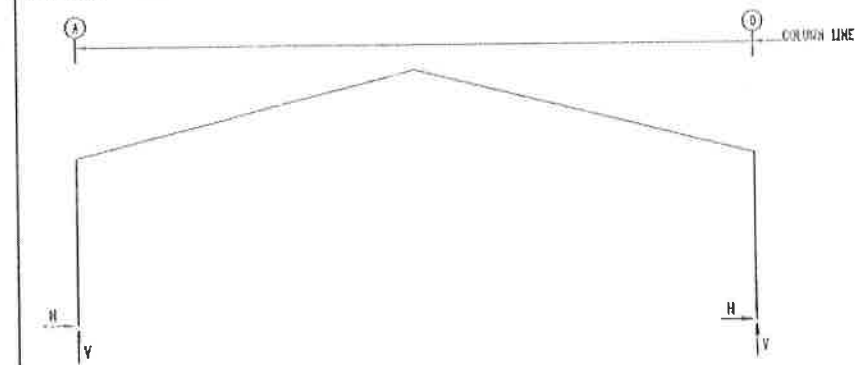
Qty	Locate	Dia (in)	Type	Bend Len (in)	Proj (in)
○ 16	Endwall	3/4"	A507		2.50
○ 16	Frame	3/4"	A507	3.00	2.50

Loc	Wall Line	Col Line	Reactions(k)				Panel Shear (lb/ft)		Notes
			Wind Horiz	Wind Vert	Seismic Horiz	Seismic Vert	Wind	Seis	
L.E.W	I								
F.S.W	D	1.2	3.8	2.0	0.2	0.1			
R.E.W	S	C.B	1.5	1.1	0.1	0.1			
B.S.W	A	2.1	3.6	2.0	0.2	0.1			

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FRAME LINES: 1 2



Frm Line	Col Line	Column Reactions (k)					Both (in)	Dia	Beam Plain (in)		Thick	Grout (in)	
		Load Id	H Max	V Max	Load Id	H Min			V Min	Width			Length
1	A	1	5.2	10.3	2	-5.0 -2.5	-6.9 -10.4	4	0.750	6.000	15.00	0.500	0.0
1	D	3	5.0 -6.2	-0.9 10.3	5	-6.2 2.5	10.3 -10.4	4	0.750	6.000	15.00	0.500	0.0

Frm Line	Col Line	Column Reactions (k)					Bolt (n) Qty	Dia	Base Plate (in)			Grout (n)	
		Load Id	Mom H	V Max	Load Id	Min H			V Min	Width	Length		Thick
2	A	1	6.2	10.3	2	-5.0 -1.3	-6.9 -7.4	4	0.750	6.000	15.000	0.500	0.0
2	D	3	5.0 -6.2	-6.9 10.3	1 5	-6.2 1.3	10.3 -7.4	4	0.750	6.000	15.000	0.500	0.0

Frame		Column		---Dead---		---Confateral---		---Live---		---Wind_Left1---		---Wind_Right1---		---Wind_Left2---	
Line	Line	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1	A	1.0	1.0	0.8	1.3	4.4	7.3	9.2	-13.5	-3.3	-10.2	-7.6	-7.6		
1	D	-1.0	1.0	-0.8	1.3	-4.4	7.3	-3.3	-10.2	9.2	-13.5	1.6	-4.5		
2	A	1.0	1.8	0.8	1.3	4.4	7.3	-9.2	-13.3	-3.3	-10.2	-7.6	-7.6		
2	D	-1.0	1.8	-0.8	1.3	-4.4	7.3	3.3	-10.2	9.2	-13.3	1.6	-4.5		

Frame		Column		---Wind_Right2---		---Wind_Long1---		---Wind_Long2---		---Solenoid_Left---		---Solenoid_Right---		---Solenoid_Long---	
Line	Line	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1	A	-1.8	-4.5	-5.1	-19.0	-7.2	-16.0	-0.1	-0.1	0.1	0.1	0.0	-0.1		
1	D	-7.6	-7.6	-7.2	-15.0	5.1	-19.0	-0.1	-0.1	0.1	-0.1	0.0	-0.1		
2	A	-1.8	-4.5	-3.2	-14.1	-4.4	-12.3	-0.1	-0.1	0.1	0.1	0.0	-0.1		
2	D	-7.6	-7.6	4.4	-12.3	3.2	-14.1	-0.1	-0.1	0.1	0.1	0.0	-0.1		

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Wind_Left Horz	Wind_Left Vert	Wind_Right Horz	Wind_Right Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind_Pross Horz	Wind_Suct Horz	Wind_Suct Vert
3	D	0.3	0.1	1.1	0.0	-1.6	0.0	-1.5	0.0	-0.8	0.0	-0.7	-1.5	1.5	
3	C	0.8	0.4	4.0	-1.5	-6.6	0.0	-2.5	-1.5	-5.9	0.0	-0.9	-3.1	3.4	
3	B	0.8	0.4	4.0	0.0	-2.5	1.5	-8.6	0.0	-0.9	1.5	-5.8	-3.1	3.4	
3	A	0.3	0.1	1.1	0.0	-1.5	0.0	-1.6	0.0	-0.7	0.0	-0.8	-1.3	1.5	

Frm Line	Col Line	Column Reactions(k.)				Y Ymin	Bolt(In) Qty	Dia	Base-Plate(In) Width	Length	Thick	Grout (In)	
		Load Id	Hmax H	Vmax	Load Id								Hmin H
3	D	6	0.0	-1.1	7	-0.8	-1.1	4	0.750	6.000	8.000	0.500	0.0
		1	0.9	1.5	6	0.9	-1.1						
3	C	8	2.0	-3.5	7	-1.8	-2.2	4	0.750	6.000	8.000	0.500	0.0
		1	0.9	5.1	8	2.0	-3.5						
3	B	9	2.0	-3.5	10	-1.8	-2.2	4	0.750	6.000	8.000	0.500	0.0
		1	0.0	5.1	9	2.0	-3.5						
3	A	11	0.0	-1.1	10	-0.8	-1.1	4	0.750	6.000	8.000	0.500	0.0
		1	0.9	1.5	11	0.9	-1.1						



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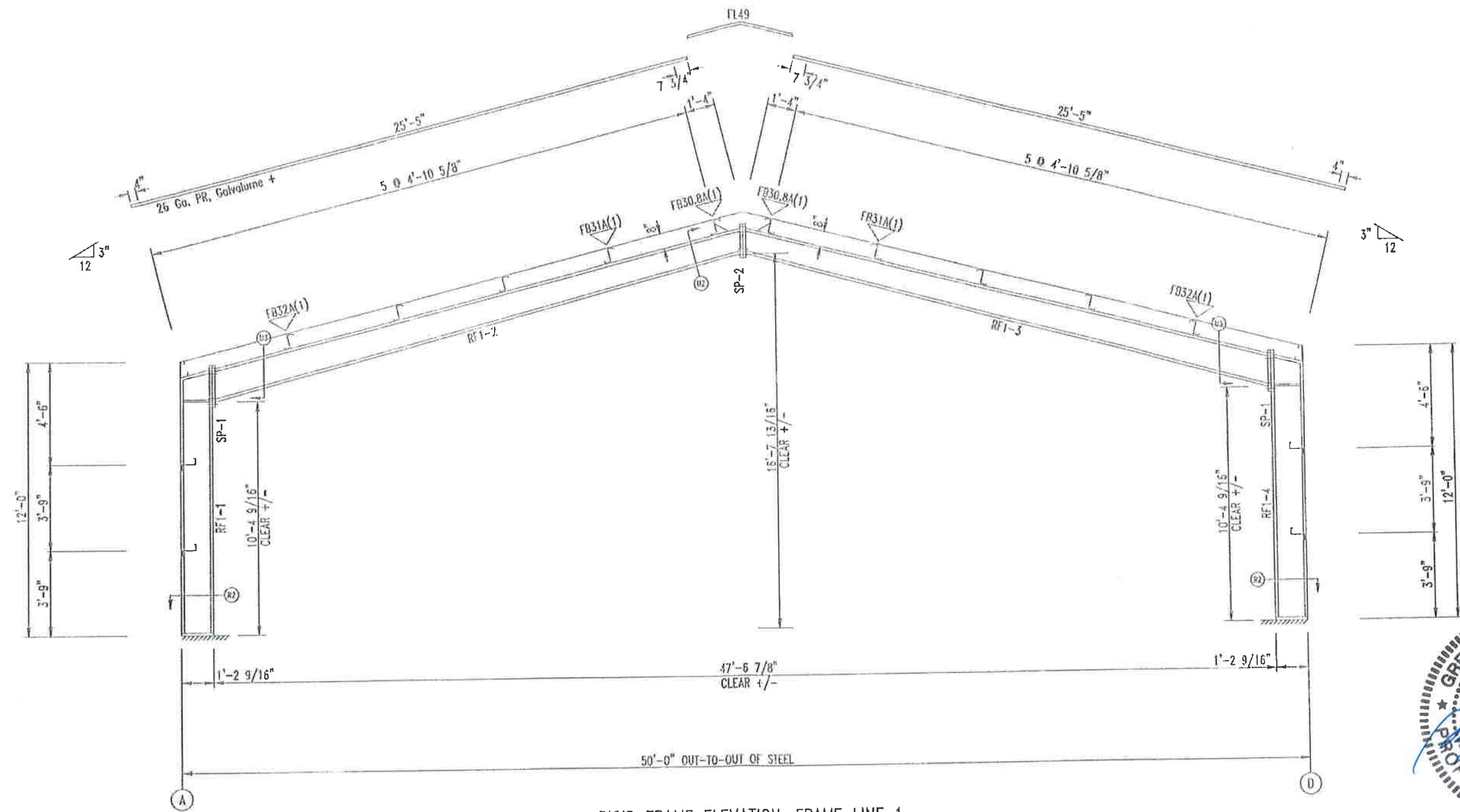
DESIGN CRITERIA	
BUILDING CODE:	IBC 23
LIVE LOAD:	23.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	2 PSF
SNOW LOAD:	0 PSF
WIND LOAD (3 SECOND GUST):	118 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY (SEISMIC USE GROUP):	II - Normal

JOB NAME: KENNETH EDENFIELD 'THE CROSS CHURCH'		ID: 21-170
JOB LOCATION: LAKE CITY, FL.		
DWG: RLH	DATE: 5/12/21	SCALE: N.T.S.
DRAWING TITLE: ANCHOR BOLT REACTIONS		DRAWING 5 OF 17

SPICE PLATE & BOLT TABLE									
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Width	Thick
SP-1	4	4	4	0	A325	0.750	2.50	6"	1 1/2"
SP-2	4	4	4	0	A325	0.750	2.50	6"	3/8"

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in)
 A - FB2X2X14GA

MEMBER TABLE			Web Depth		Web Plate		Outside Flange		Inside Flange	
Mark	Weight	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
RF1-1	245	11'-3 3/4"	14.0/14.0	0.135	7'-6 9/16"	5 x 1/4" x 11'-3"	5 x 1/4" x 11'-3"	5 x 5/16" x 10'-0 1/16"		
RF1-2	393	24'-6"	14.0/14.0	0.250	4'-0"	6 x 1/4" x 1'-2 5/8"	6 x 1/4" x 1'-2 5/8"	5 x 5/16" x 5'-2 5/8"	5 x 1/4" x 19'-3 7/16"	
RF1-3	393	24'-6"	14.0/12.4	0.135	9'-11"	5 x 1/4" x 20'-0"	5 x 1/4" x 20'-0"	5 x 1/4" x 19'-3 7/16"	5 x 5/16" x 5'-2 5/8"	
RF1-4	245	11'-3 3/4"	12.4/10.8	0.135	4'-10 5/8"	5 x 1/4" x 4'-5 1/16"	5 x 1/4" x 4'-5 1/16"	5 x 1/4" x 19'-3 7/16"	5 x 5/16" x 5'-2 5/8"	
			10.8/10.0	0.135	4'-10 5/8"	5 x 1/4" x 20'-0"	5 x 1/4" x 20'-0"	5 x 1/4" x 19'-3 7/16"	5 x 5/16" x 5'-2 5/8"	
			10.0/10.8	0.135	9'-11"	5 x 1/4" x 20'-0"	5 x 1/4" x 20'-0"	5 x 1/4" x 19'-3 7/16"	5 x 5/16" x 5'-2 5/8"	
			10.8/12.4	0.135	9'-11"	5 x 1/4" x 20'-0"	5 x 1/4" x 20'-0"	5 x 1/4" x 19'-3 7/16"	5 x 5/16" x 5'-2 5/8"	
			12.4/14.0	0.135	4'-0"	6 x 1/4" x 1'-2 5/8"	6 x 1/4" x 1'-2 5/8"	5 x 5/16" x 10'-0 1/16"		
			14.0/14.0	0.250	7'-6 9/16"	5 x 1/4" x 11'-3"	5 x 1/4" x 11'-3"			



RIGID FRAME ELEVATION: FRAME LINE 1

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S-21-21



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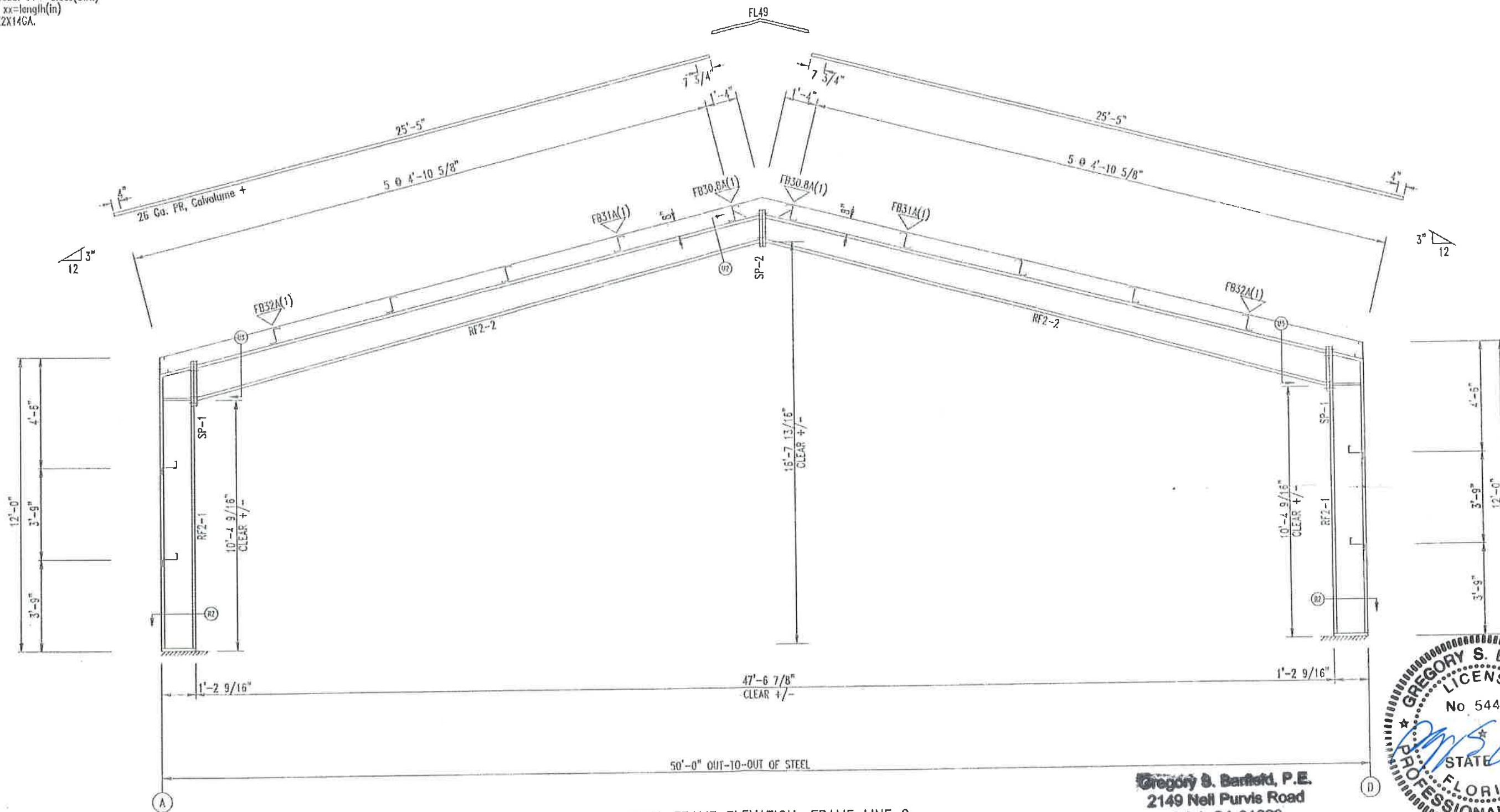
DESIGN CRITERIA		
BUILDING CODE:	FBC 20	
LIVE LOAD:	20 PSF	PER
LIVE LOAD REDUCTION:	Yes	
WIND LOAD:	2 PSF	PER
WIND IMPORTANCE FACTOR:	1.00	
WIND EXPOSURE:	C	
CATEGORY: (SEISMIC USE GROUP)	(700)	

JOB NAME:	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID#	21-170
JOB LOCATION:	LAKE CITY, FL		
DRAWN:	RLH	DATE:	5/12/21
DRAWING TITLE:	RIGID FRAME ELEVATION	SCALE:	N.T.S.
		DRAWING	6 OF 17

SPICE PLATE & BOLT TABLE									
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Width	Thick
SP-1	4	4	0	0	A325	0.750	2.50	6"	1 1/2"
SP-2	4	4	0	0	A325	0.750	2.50	6"	3/8"

FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - FB2X2X14GA.

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	248	11'-3 3/4"	14.0/14.0	0.135	7'-6 9/16"	5 x 1/4" x 11'-3"		5 x 5/16" x 10'-0 1/16"	
			14.0/14.0	0.250	4'-0"	6 x 1/4" x 1'-2 5/8"		5 x 5/16" x 5'-2 5/8"	
RF2-2	393	24'-6"	14.0/12.4	0.135	9'-11"	5 x 1/4" x 20'-0"		5 x 1/4" x 19'-3 7/16"	
			12.4/10.8	0.135	9'-11"	5 x 1/4" x 4'-5 1/16"			
			10.8/10.0	0.135	4'-10 5/8"				



RIGID FRAME ELEVATION: FRAME LINE 2

Gregory S. Barfield, P.E.
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Adel, GA 31620
P.E. # 54419



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

REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		

DESIGN CRITERIA	
BUILDING CODE:	IRC 20
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLAPSE LOAD:	2 PSF
SNOW LOAD:	0 PSF
WIND LOAD (3 SECOND GUST):	119 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY (SEISMIC USE GROUP):	II

JOB NAME:	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID	21-170
JOB LOCATION:	LAKE CITY, FL.		
DWN	RLH	DATE	5/12/21
DRAWING TITLE:	RIGID FRAME ELEVATION	SCALE:	N.T.S.
		DRAWING	7 OF 17

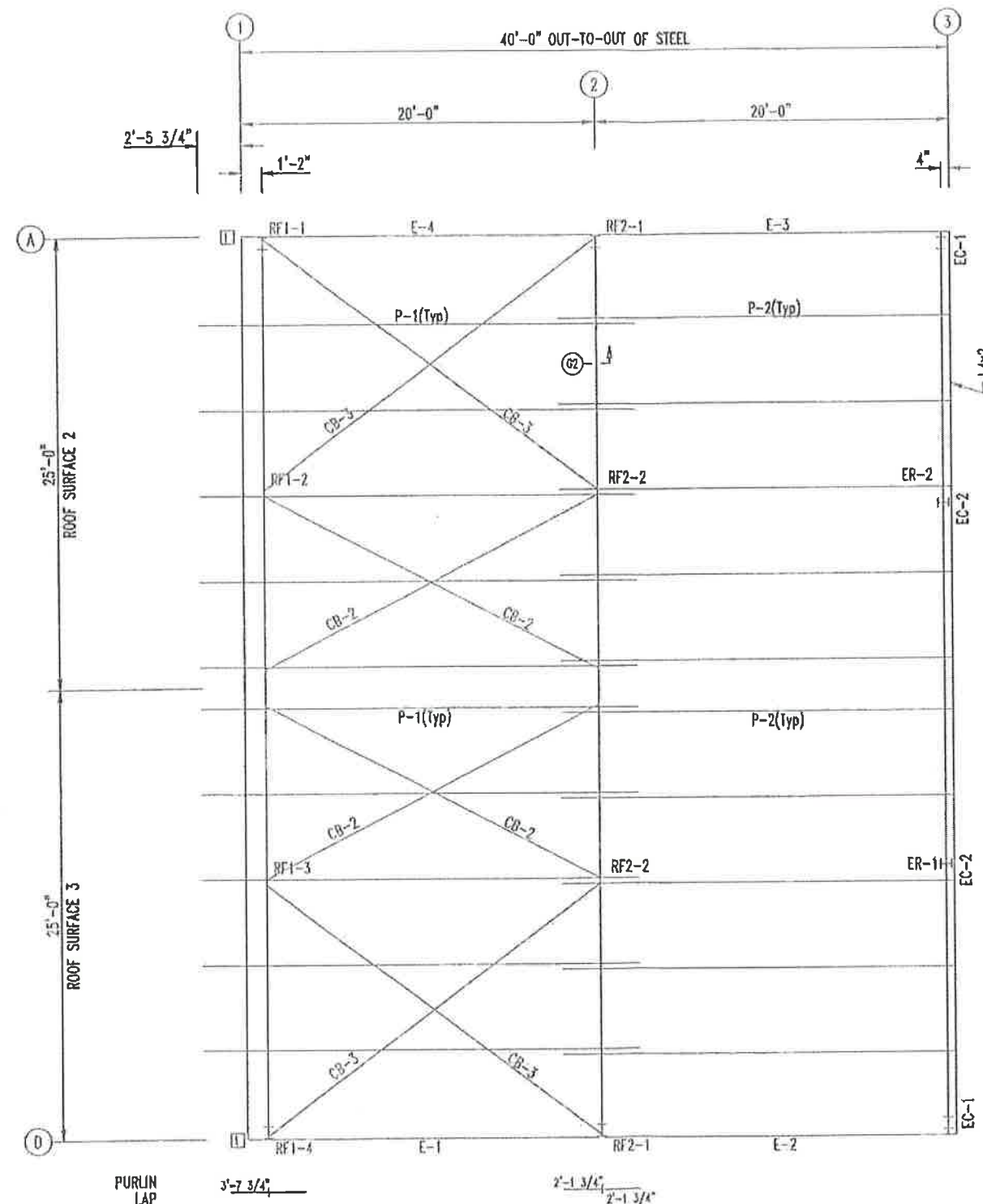
MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
P-1	8X25Z16	24'-7 1/2"
P-2	8X25Z16	22'-1 1/2"
E-1	E085343L	19'-11 1/2"
E-2	E085343L	19'-11 1/2"
E-3	E085343L	19'-11 1/2"
E-4	E085343L	19'-11 1/2"
CB-3	1/4" CAB	21'-0"
CB-2	1/4" CAB	23'-0"

CONNECTION PLATES

ROOF PLAN

1 | MARK/PART

1 | LC-2



ROOF FRAMING PLAN

Gregory S. Barfield, P.E.
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P.E. # 54419



5-21-21

NOTE: HOLES MAY HAVE TO BE FIELD LOCATED
IN EXISTING PURLINS AND EAVE STRUTS
FOR ATTACHMENTS.



LARIAT STEEL DESIGN

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

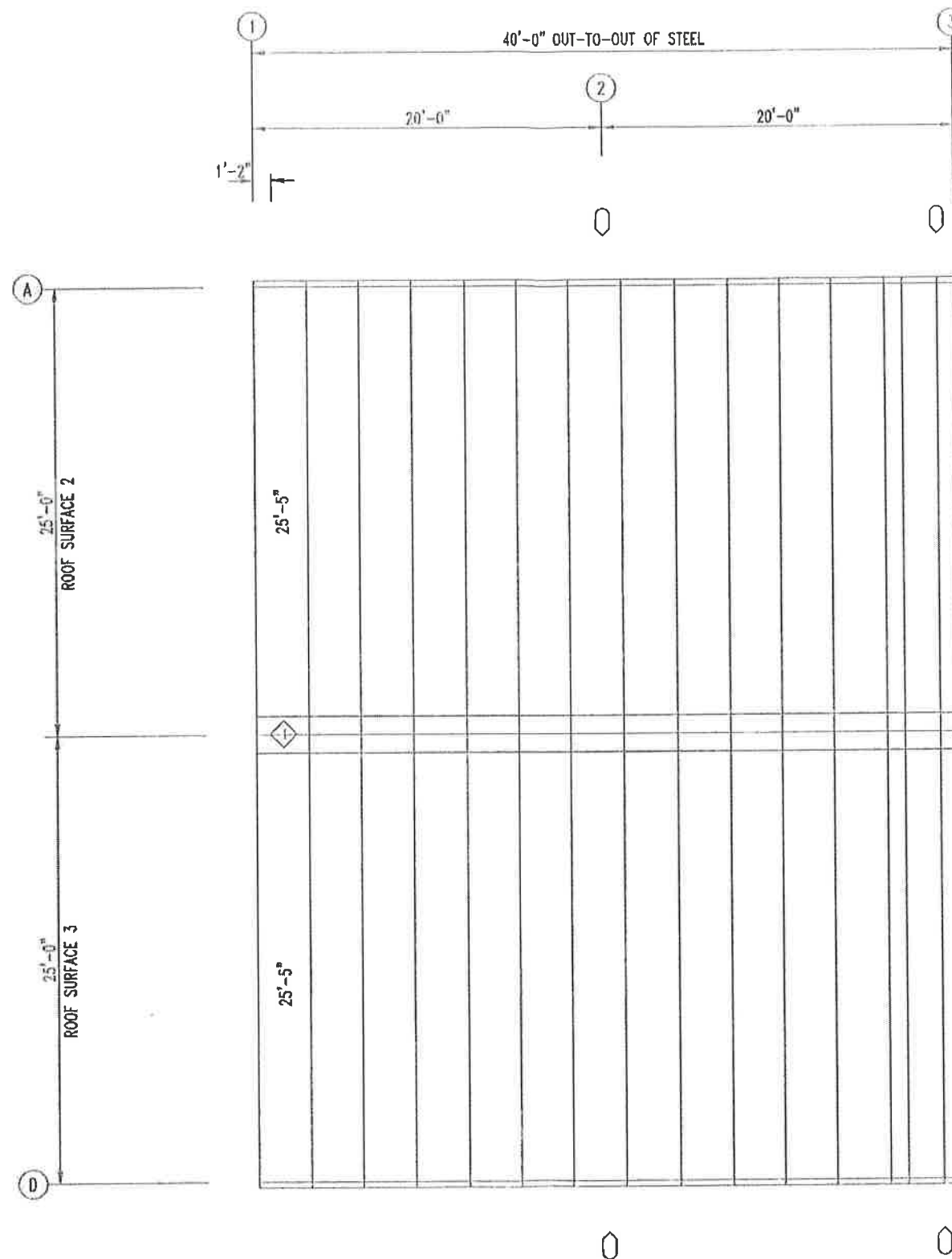
REVISION	DATE	BY
A		
B		
C		
D		
E		
F		
G		

DESIGN CRITERIA	
BUILDING CODE	IBC 20
LIVE LOAD	20.00 PSF
LIVE LOAD REDUCTION	Yes
COLLATERAL LOAD	2 PSF
SNOW LOAD	0 PSF
WIND LOAD (3 SECOND GUST)	119 MPH
WIND IMPORTANCE FACTOR	1.00
WIND EXPOSURE	C
CATEGORY (SEISMIC USE GROUP)	II - Normal

JOB NAME	KENNETH EDENFIELD 'THE CROSS CHURCH'		ID	21-170
JOB LOCATION	LAKE CITY, FL.			
DATE	5/12/21	SCALE	N.T.S.	
DRAWING TITLE	ROOF FRAMING		DRAWING	8 OF 17

OWNSPOUT LOCATIONS

TRIM TABLE		
ROOF PLAN		
ID	MARK	DETAIL
1	FL49	PBR DIE FORM RIDGE CAP



ROOF SHEETING PLAN
PANELS: 26 Ga. PBR - SIG 300 MEDIUM BRONZE

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5-21-21

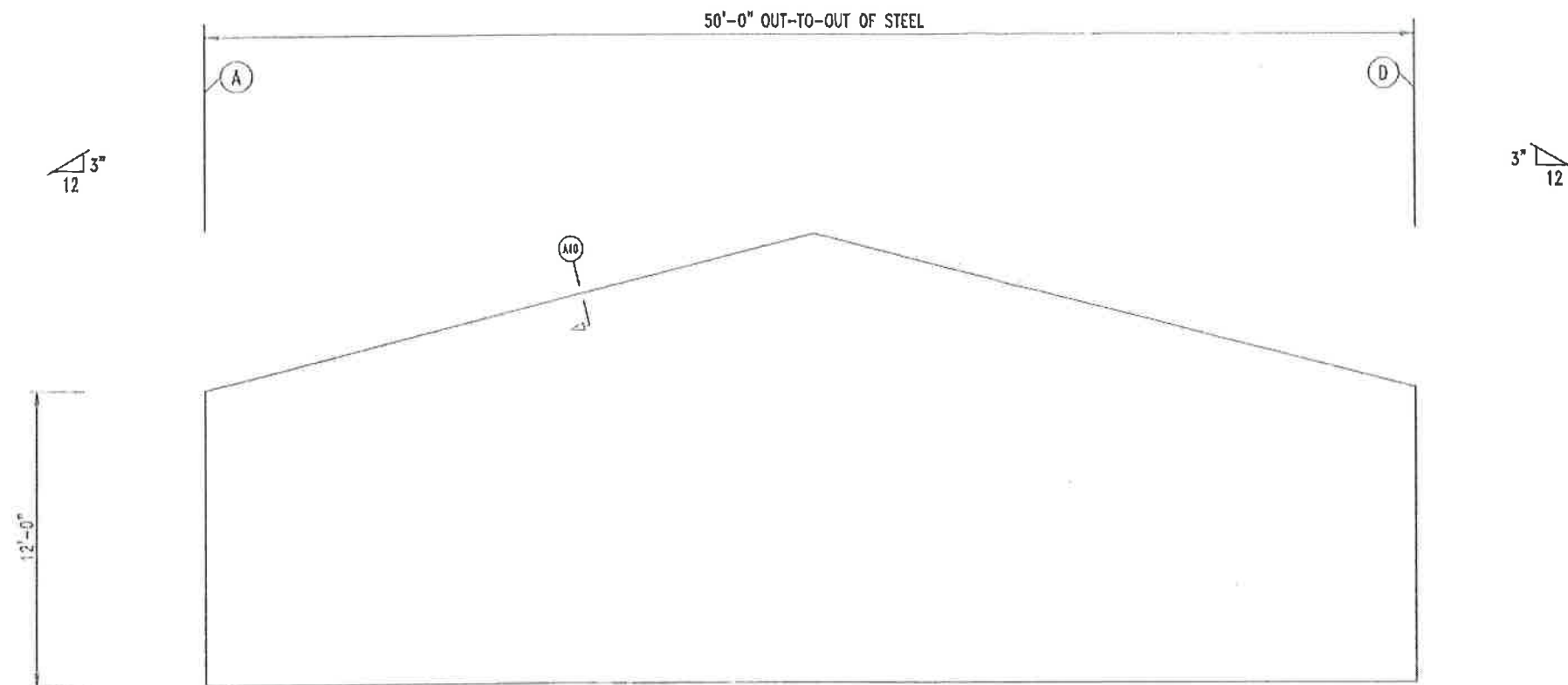


LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)898-2022
FAX: (229)898-2033
EMAIL: lariatsteeldesign@gmail.com

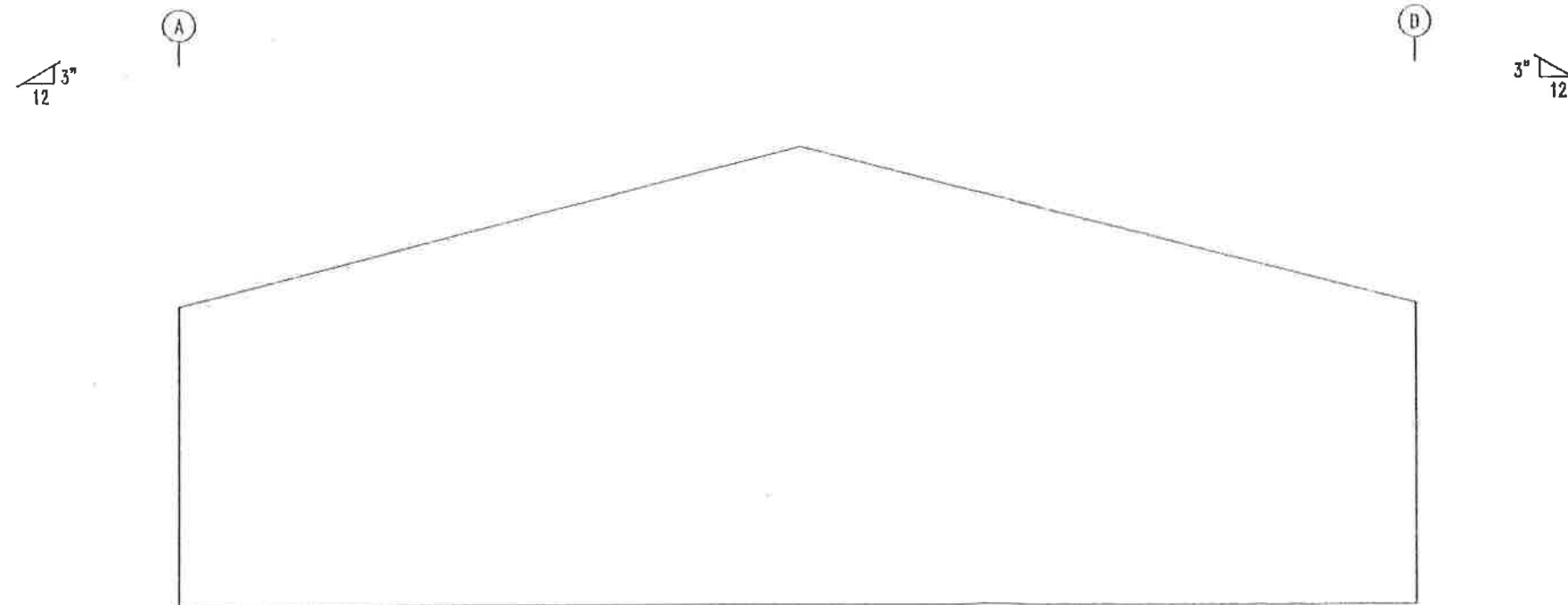
REVISION	DATE	BY
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DESIGN CRITERIA	
BUILDING CODE:	IBC 20
LIVE LOAD:	20 PSF
LIVE LOAD REDUCTION:	75%
COLLATERAL LOAD:	2 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	119 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	II - Normal

JOB NAME:	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID:	21-170
JOB LOCATION:	LAKE CITY, FL.		
DATE:	5/12/21	SCALE:	N.T.S.
DRAWING TITLE:	ROOF SHEETING	DRAWING:	9 OF 17



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

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P.E. # 54419



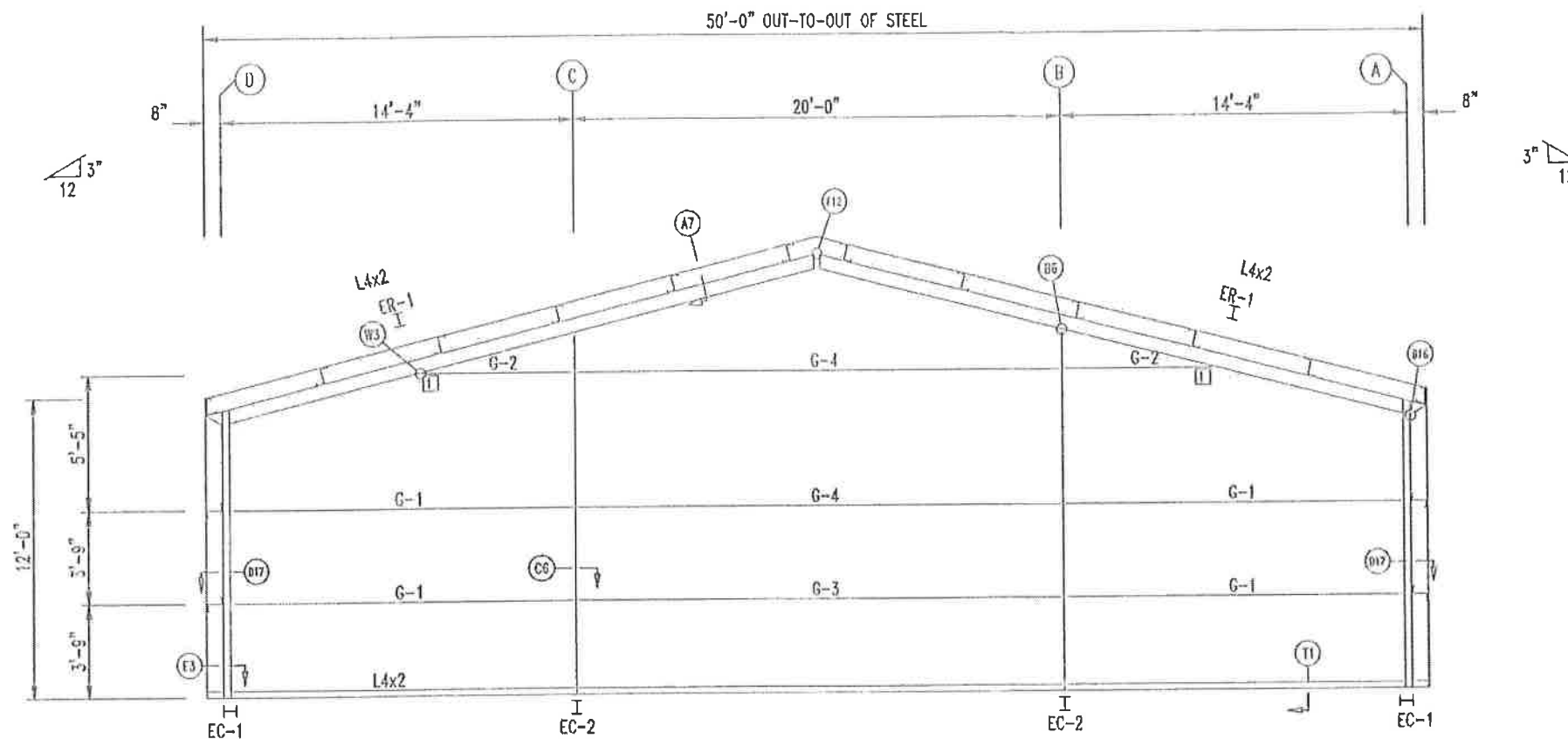
5-21-21



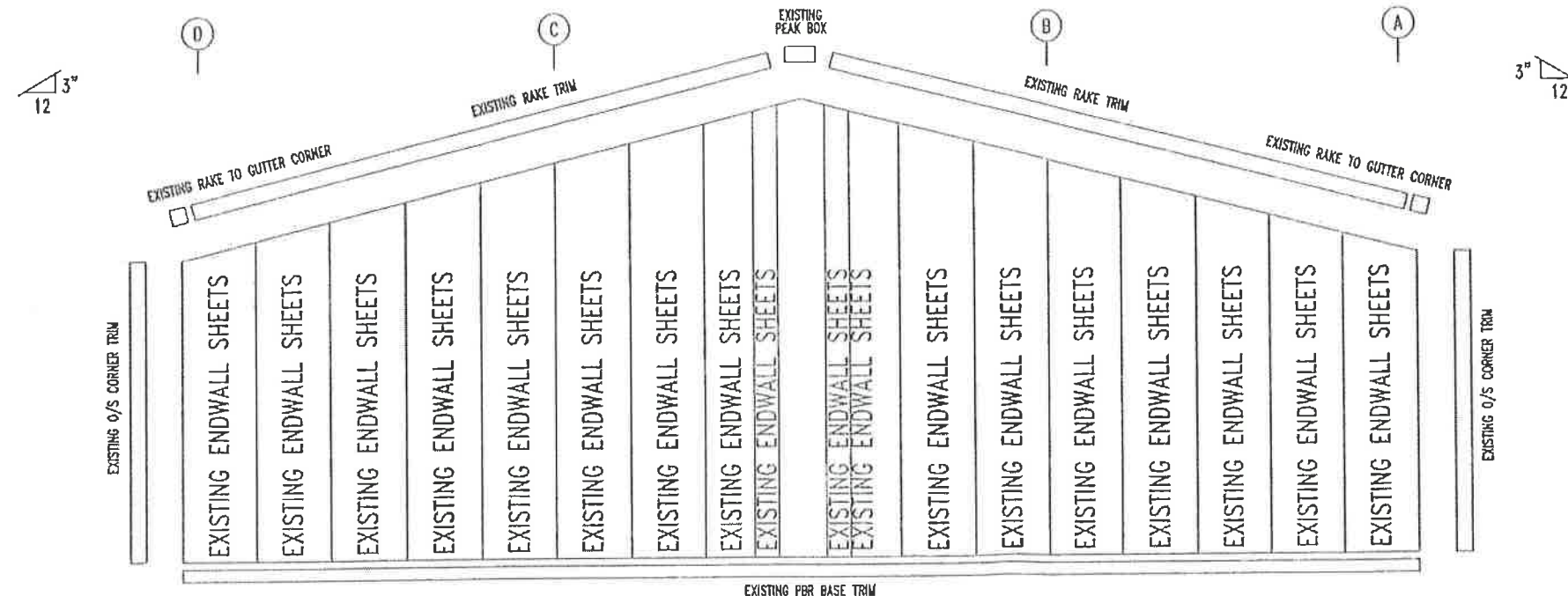
LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY	DESIGN CRITERIA
A			BUILDING CODE: FBC 20
B			LIVE LOAD: 20.00 PSF
C			LIVE LOAD REDUCTION: Yes
D			COLLATERAL LOAD: 2 PSF
E			SNOW LOAD: 0 PSF
F			WIND LOAD (SECOND GUST): 119 MPH
G			WIND IMPORTANCE FACTOR: 1.0
			WIND EXPOSURE: C
			CATEGORY (SEISMIC USE GROUP): II - Normal

JOB NAME:	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID:	21-170
JOB LOCATION:	LAKE CITY, FL.		
DATE:	5/12/21	SCALE:	N.T.S.
DRAWING TITLE:	ENDWALL FRAMING	DRAWING:	10 OF 17



ENDWALL FRAMING: FRAME LINE 3



ENDWALL SHEETING & TRIM: FRAME LINE 3

BOLT TABLE FRAME LINE 3				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	5/4"	2 1/2"
Cor. Column/Raf	4	A325	3/4"	2 1/2"
Int. Column/Raf	4	A325	1/2"	2"

MEMBER TABLE FRAME LINE 3		
MARK	PART	LENGTH
EC-1	WBX10	11'-5 3/4"
EC-2	WBX10	14'-4 5/16"
ER-1	WBX10	24'-4 13/16"
G-1	8X25Z16	13'-5 5/8"
G-2	8X25Z16	5'-4 15/16"
G-3	8X25Z16	19'-7 1/2"
G-4	8X25Z14	19'-7 1/2"

CONNECTION PLATES FRAME LINE 3	
ID	MARK/PART
1	LC-1

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5-21-21



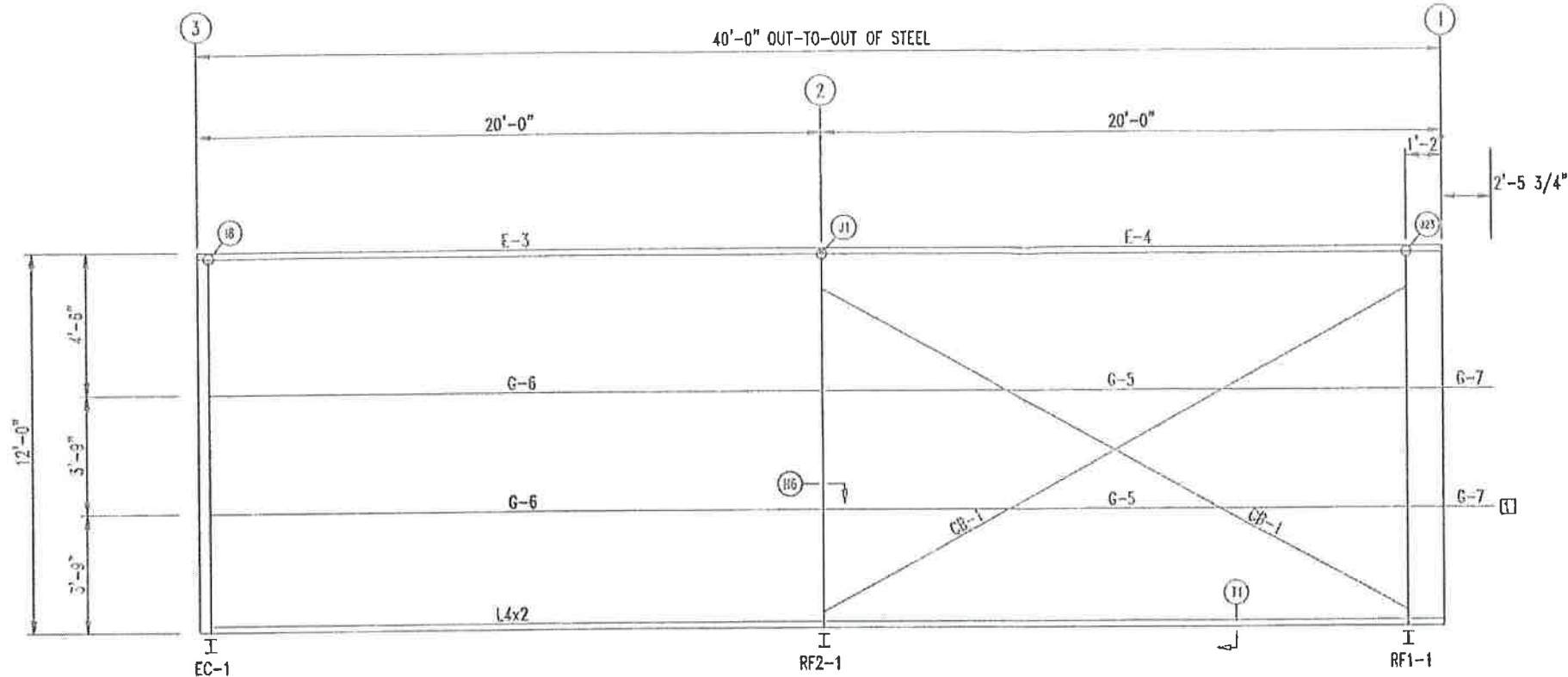
LARIAT STEEL DESIGN
75 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)890-2022
FAX: (229)890-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY

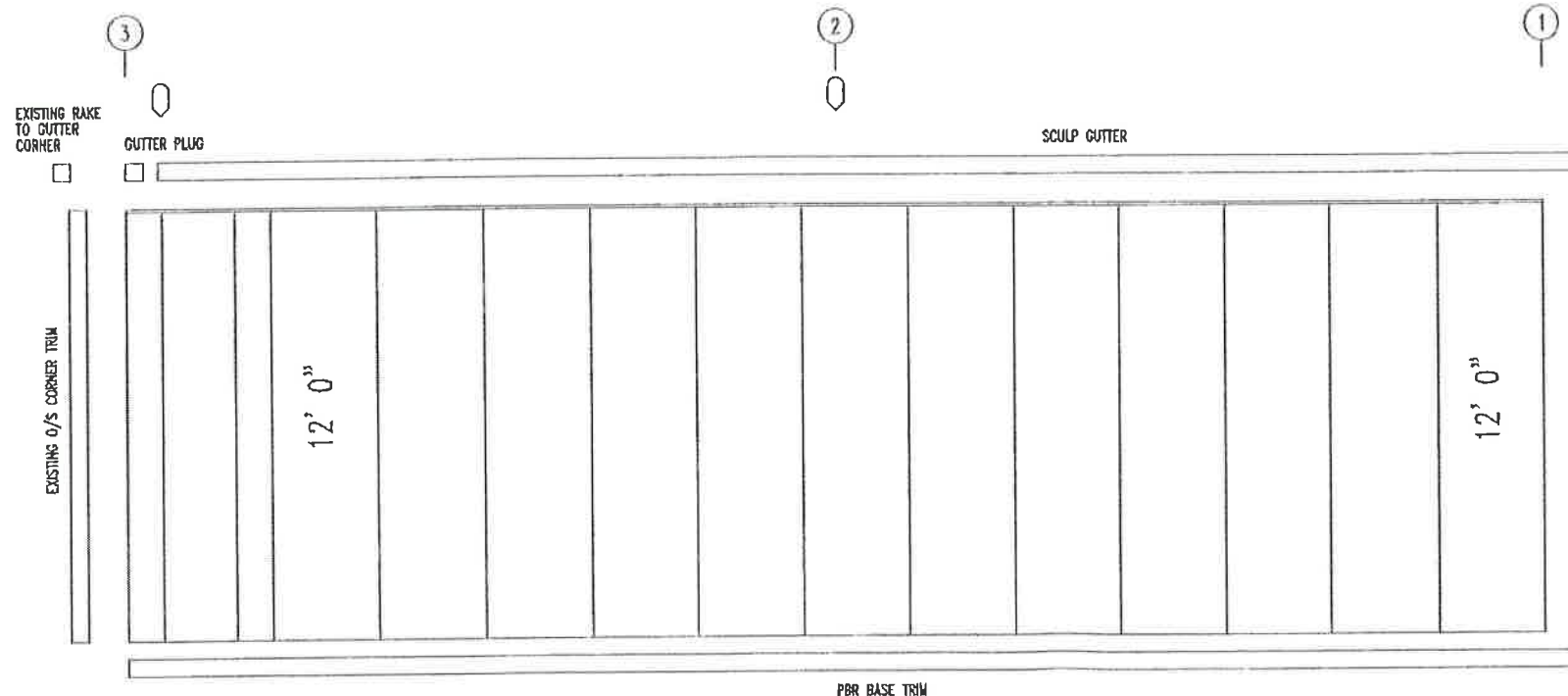
DESIGN CRITERIA	
BUILDING CODE:	IBC 20
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	2 PSF
SNOW LOAD:	0 PSF
WIND LOAD (3 SECOND GUST):	119 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	0
CATEGORY (SEISMIC USE GROUP):	0 - Normal

JOB NAME:	KENNETH EDENFIELD 'THE CROSS CHURCH'		ID:	21-170
JOB LOCATION:	LAKE CITY, FL.		DATE:	5/12/21
SCALE:	N.T.S.		DRAWING TITLE:	ENDWALL FRAMING
DRAWING:	11		OF	17

○ DOWNSPOUT LOCATIONS



SIDEWALL FRAMING: FRAME LINE A



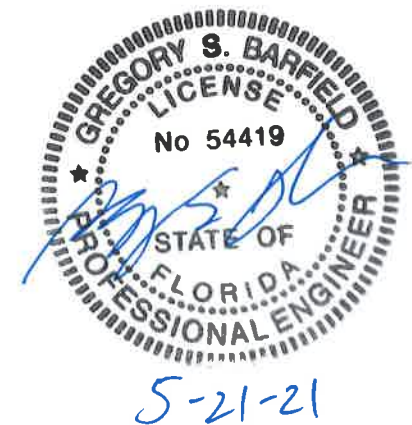
SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBR - SIG 200 LIGHT STONE
TRIM: 26 Ga. - SIG 200 LIGHT STONE

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
E-3	E085343L	19'-11 1/2"
E-4	E085343L	19'-11 1/2"
G-5	8X25Z16	18'-4 1/2"
G-6	8X25Z16	19'-9"
G-7	8X25Z16	3'-5"
CB-1	1/4" CAB	22'-0"

CONNECTION PLATES FRAME LINE A	
ID	MARK/PART
1	LC-3

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Adel, GA 31620
P.E. # 54419



NOTE: HOLES MAY HAVE TO BE FIELD LOCATED
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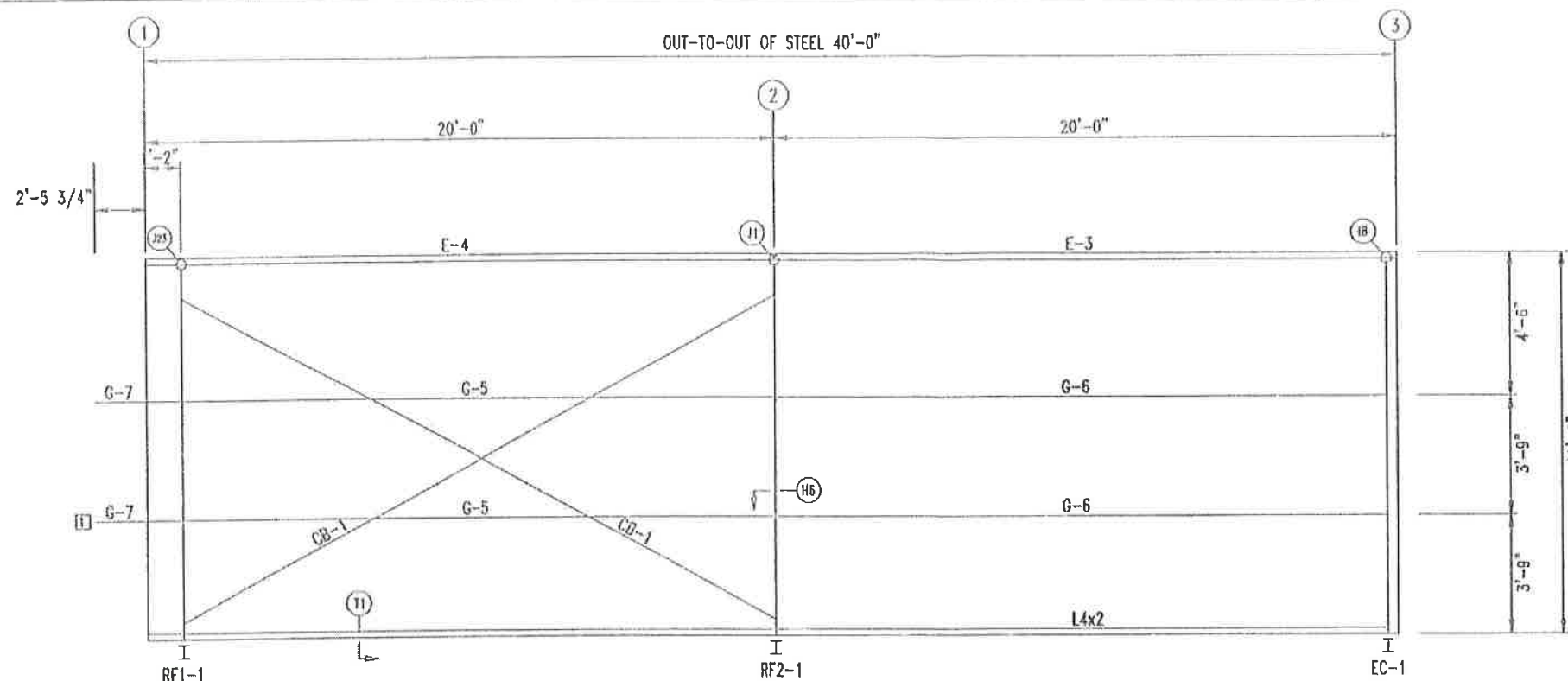
LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteeldesign@gmail.com

REVISION	DATE	BY
A		
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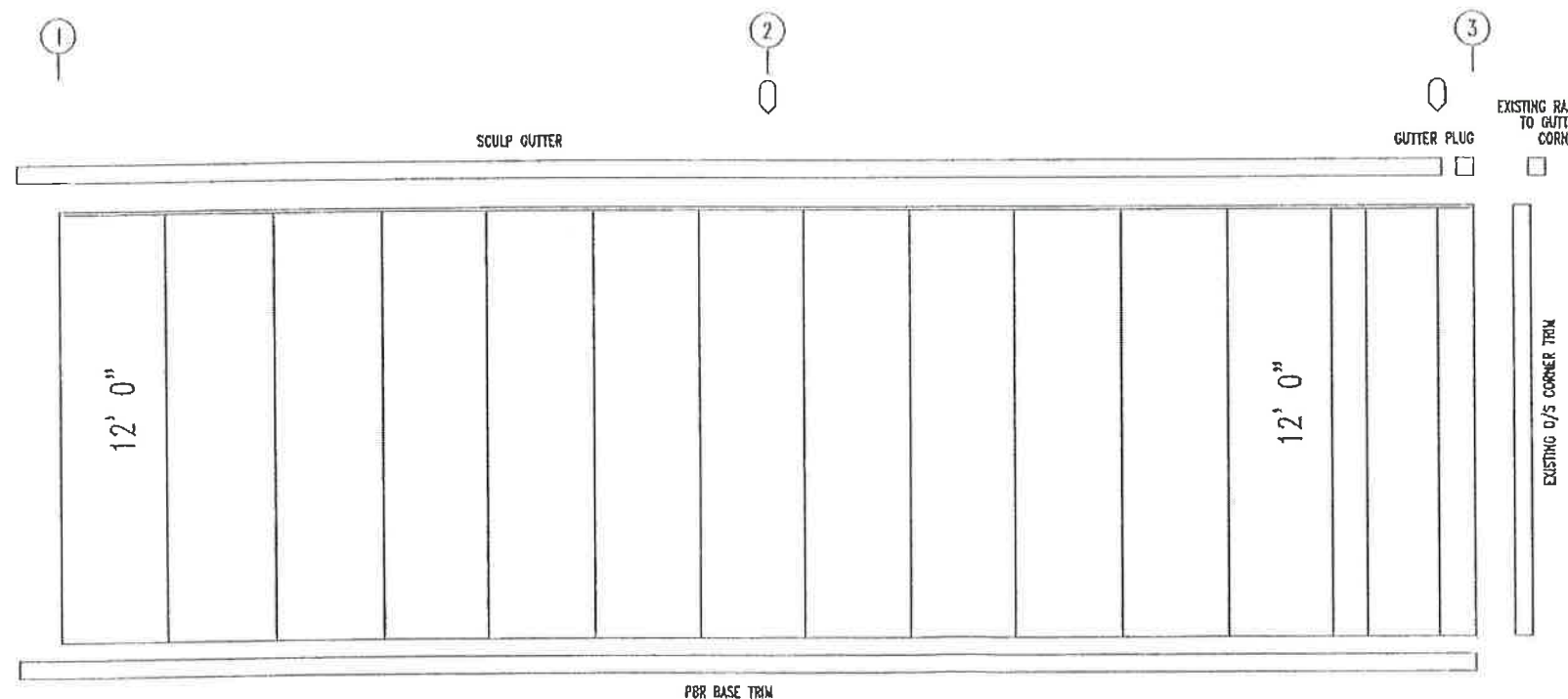
DESIGN CRITERIA	
BUILDING CODE:	IBC 2015
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	2 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST):	17.9 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP):	3 Normal

JOB NAME:	KENNETH EDENFIELD "THE CROSS CHURCH"	ID:	21-170
JOB LOCATION:	LAKE CITY, FL.		
DRAWN BY:	RLH	DATE:	5/12/21
DRAWING TITLE:	SIDEWALL FRAMING	SCALE:	N.T.S.
		DRAWING	12 OF 17

○ DOWNSPOUT LOCATIONS



SIDEWALL FRAMING: FRAME LINE D



SIDEWALL SHEETING & TRIM: FRAME LINE D

PANELS: 26 Ga. PBR - SIG 200 LIGHT STONE
TRIM: 26 Ga. - SIG 200 LIGHT STONE

MEMBER TABLE		
FRAME LINE D		
MARK	PART	LENGTH
E-3	E085343L	19'-11 1/2"
E-4	E085343L	19'-11 1/2"
G-5	8X25Z16	18'-4 1/2"
G-6	8X25Z16	19'-9"
G-7	8X25Z16	3'-5"
CB-1	1/4" CAB	22'-0"

CONNECTION PLATES	
FRAME LINE D	
IID	MARK/PART
1	LC-3

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P.E. # 54419



5-21-21

NOTE: HOLES MAY HAVE TO BE FIELD LOCATED
IN EXISTING GIRTS FOR ATTACHMENTS.



LARIAT STEEL DESIGN

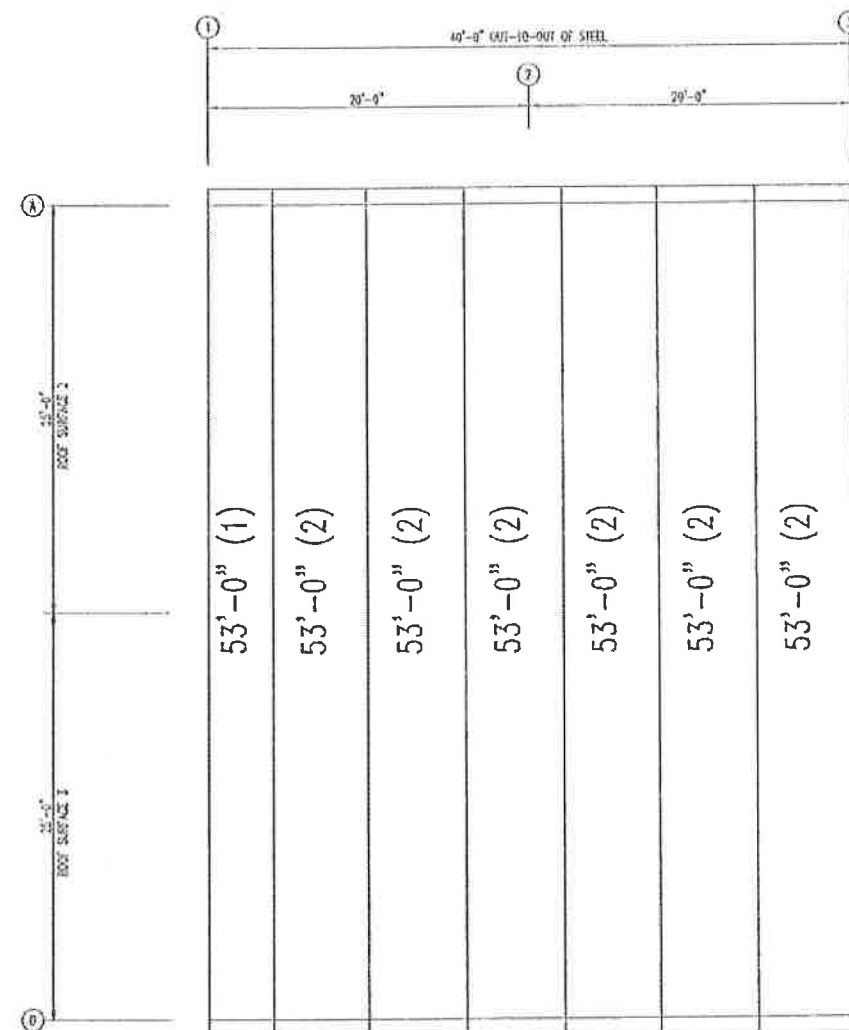
70 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)896-2022
FAX: (229)896-2033
EMAIL: lariatsteel@gmail.com

REVISION	DATE	BY
A		
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G		

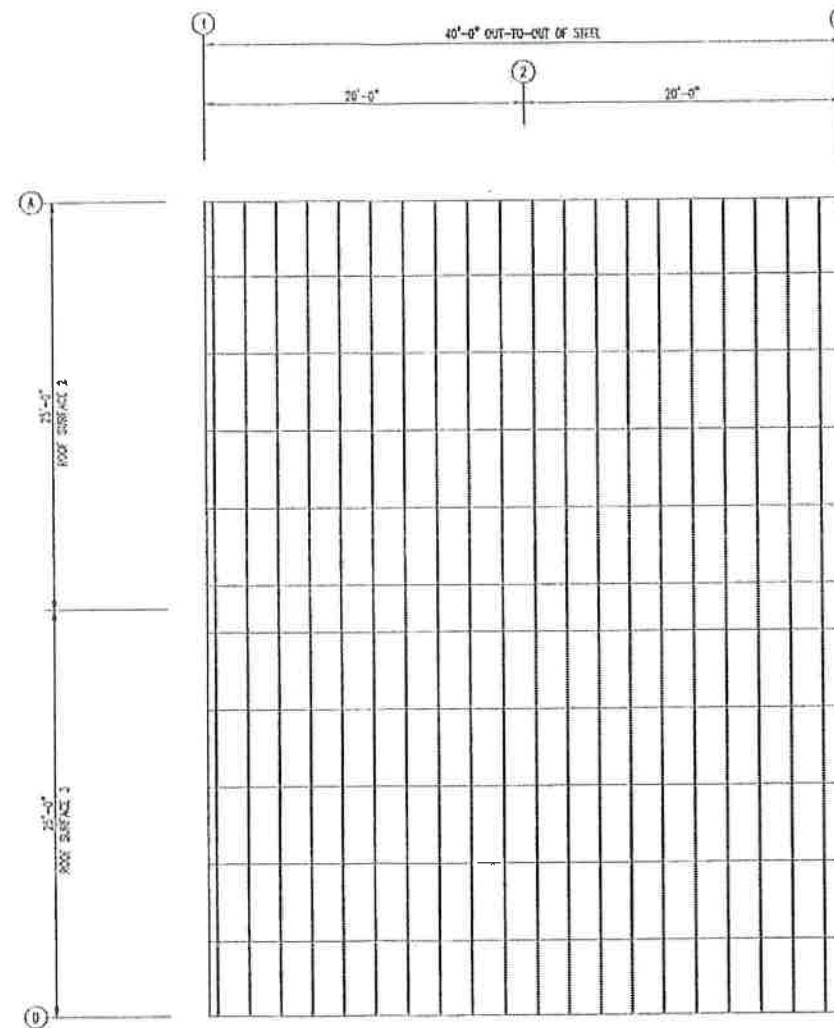
DESIGN CRITERIA	
BUILDING CODE	2010 IBC
LIVE LOAD	200 PSF
LIVE LOAD REDUCTION	Yes
COLLATERAL LOAD	2 PSF
SNOW LOAD	0 PSF
WIND LOAD (3 SECOND GUST)	110 MPH
WIND IMPORTANCE FACTOR	1.00
WIND EXPOSURE	C
CATEGORY (SEE IBC LIST GROUP)	II - Normal

JOB NAME	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID#	21-170
JOB LOCATION	LAKE CITY, FL.		
DATE	5/12/21	SCALE	N.T.S.
DRAWING TITLE	SIDEWALL FRAMING	DRAWING	13 OF 17

INSULATION TABLE ROOF PLAN				
ROLL	QUAN	MARK	WIDTH	LENGTH
1	1	RI-1	4'-0"	53'-0"
2	6	RI-2	6'-0"	53'-0"
3	10	RI-3	5'-0"	40'-0"
4	1	RI-4	3'-0"	40'-0"



ROOF INSULATION
INSULATION: 4.00" THICK UNFACED



ROOF INSULATION
INSULATION: 6.00" THICK VR



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P.E. # 54419



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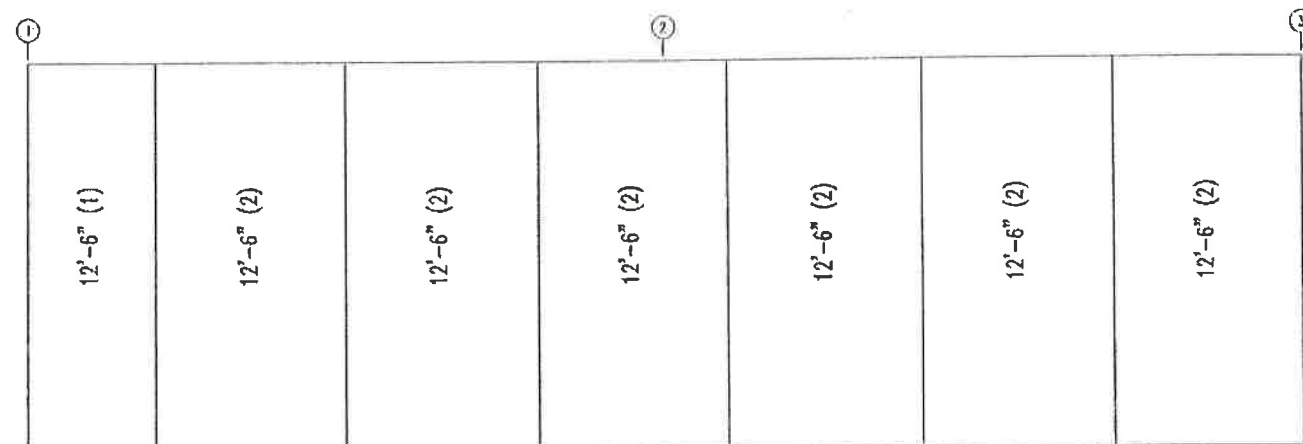
LARIAT STEEL DESIGN
78 AIRPORT LANE ~ ADEL GEORGIA 31620
PH: (229)888-2022
FAX: (229)888-2033
EMAIL: lariatsteel@gmail.com

REVISION		ROOF INSULATION	DATE	BY
A		INSULATION: 4.00" THICK VR		
B				
C				
D				
E				
F				
G				

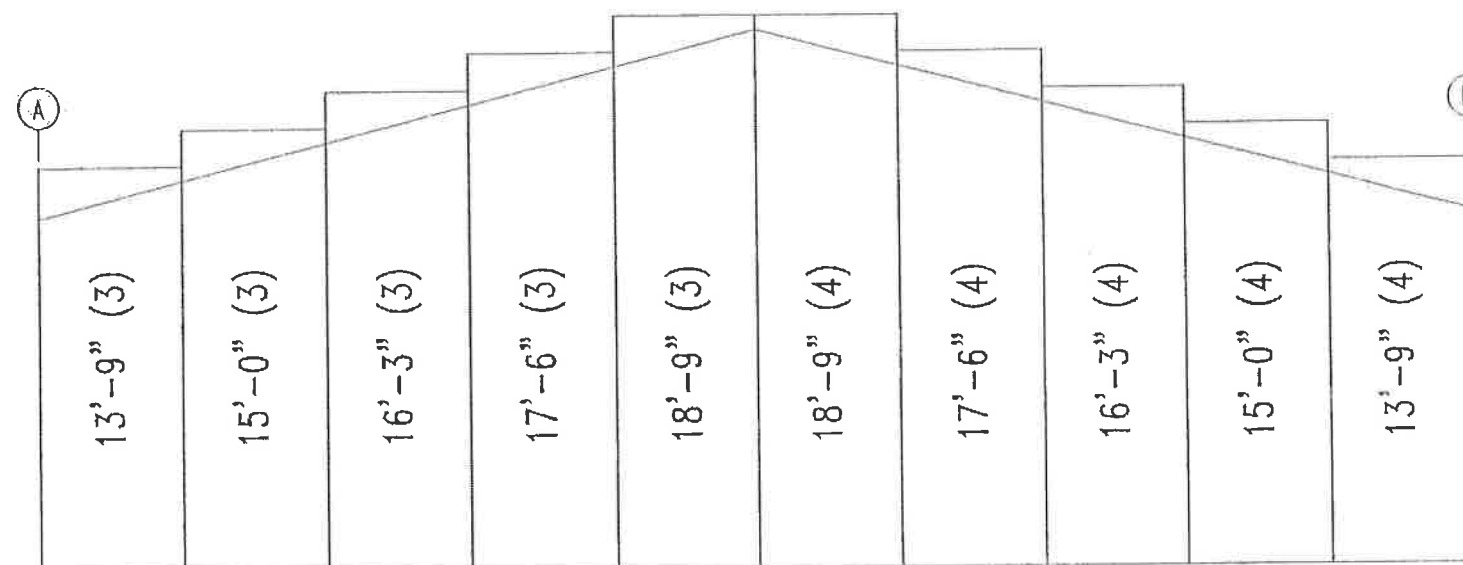
DESIGN CRITERIA	
BUILDING CODE:	FGC 23
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	2 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	119 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY: (SEISMIC USE GROUP)	II - Normal

JOB NAME:		ID:	
KENNETH EDENFIELD 'THE CROSS CHURCH'		21-170	
JOB LOCATION:			
LAKE CITY, FL.			
DWN:	DATE:	SCALE:	
RLH	5/12/21		N.T.S.
DRAWING TITLE:		DRAWING:	
ROOF INSULATION		14 OF 17	

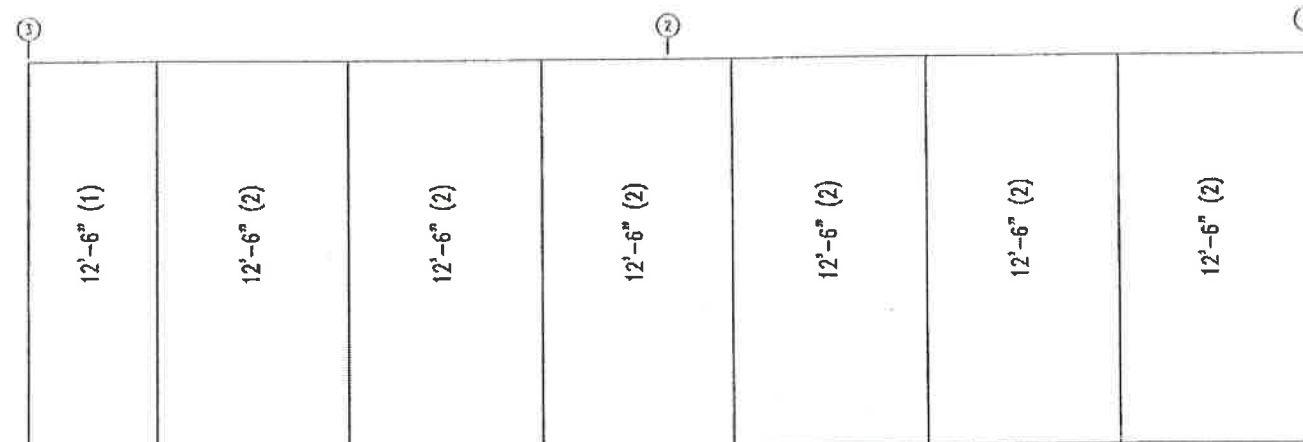
INSULATION TABLE FRAME LINE D A				
ROLL	QUAN	MARK	WIDTH	LENGTH
1	1	WI-1	4'-0"	25'-0"
2	6	WI-2	6'-0"	25'-0"
3	1	WI-3	5'-0"	81'-3"
4	1	WI-4	5'-0"	81'-3"



SIDEWALL INSULATION: FRAME LINE D
INSULATION: 3.00" Thick VR



ENDWALL INSULATION: FRAME LINE 3
INSULATION: 3.00" Thick VR



SIDEWALL INSULATION: FRAME LINE A
INSULATION: 3.00" Thick VR

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P.E. # 54419



5-21-21



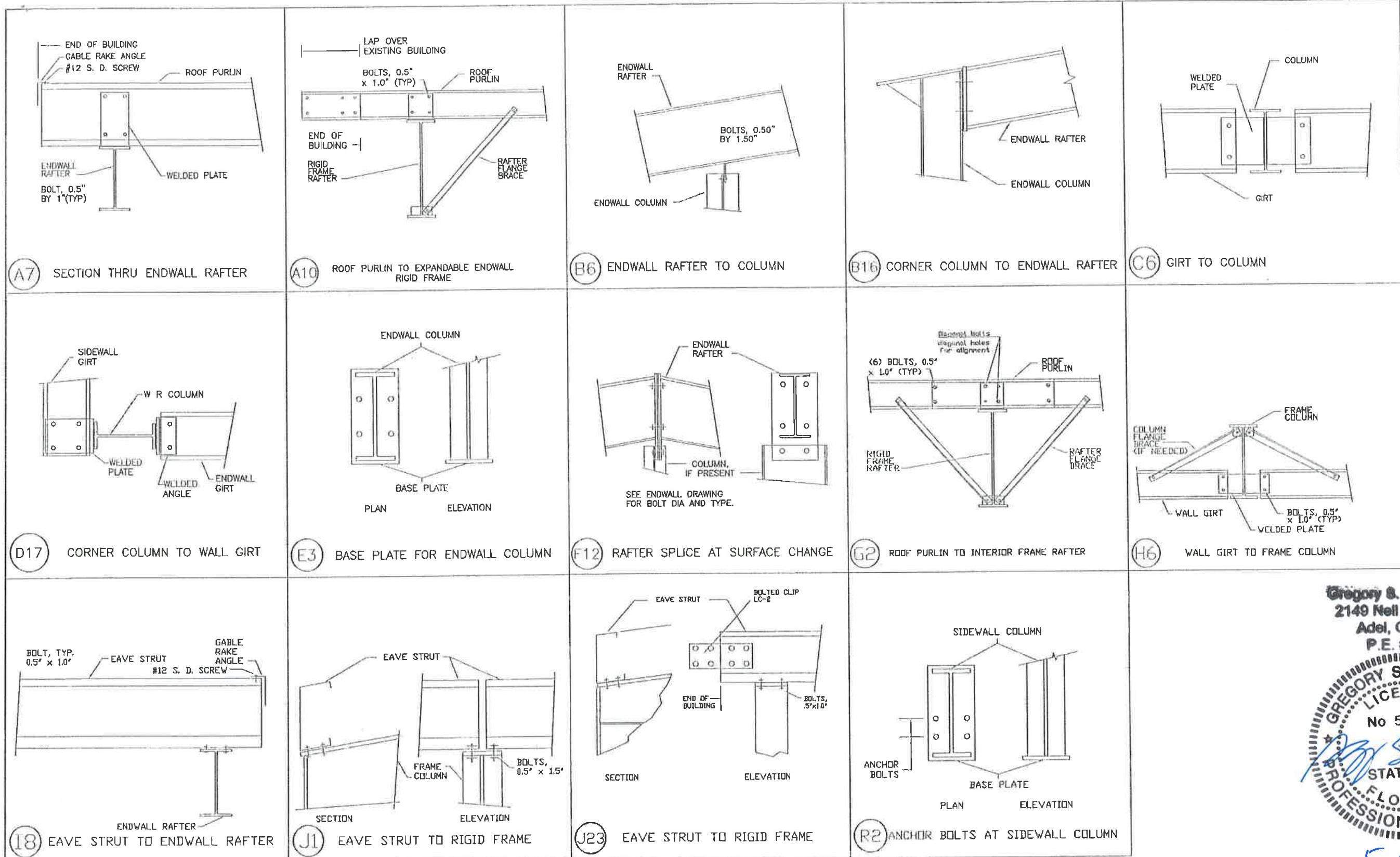
LARIAT STEEL DESIGN

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

REVISION	DATE	BY
A		
B		
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DESIGN CRITERIA	
BUILDING CODE	IBC 2018
LIVE LOAD	20.00 PSF
LIVE LOAD REDUCTION	Yes
COLLATERAL LOAD	2 PSF
SNOW LOAD	0 PSF
WIND LOAD (1 SECOND GUST)	110 MPH
WIND IMPORTANCE FACTOR	1.00
WIND EXPOSURE	C
CATEGORY (SEISMIC USE GROUP)	II - Normal

JOB NAME	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID	21-170
JOB LOCATION	LAKE CITY, FL.		
DATE	5/12/21	SCALE	N.T.S.
DRAWING TITLE	WALL INSULATION	DRAWING	15 OF 17



(A7) SECTION THRU ENDWALL RAFTER

(A10) ROOF PURLIN TO EXPANDABLE ENDWALL RIGID FRAME

(B6) ENDWALL RAFTER TO COLUMN

(B16) CORNER COLUMN TO ENDWALL RAFTER

(C6) GIRT TO COLUMN

(D17) CORNER COLUMN TO WALL GIRT

(E3) BASE PLATE FOR ENDWALL COLUMN

(F12) RAFTER SPLICE AT SURFACE CHANGE

(G2) ROOF PURLIN TO INTERIOR FRAME RAFTER

(H6) WALL GIRT TO FRAME COLUMN

(I8) EAVE STRUT TO ENDWALL RAFTER

(J1) EAVE STRUT TO RIGID FRAME

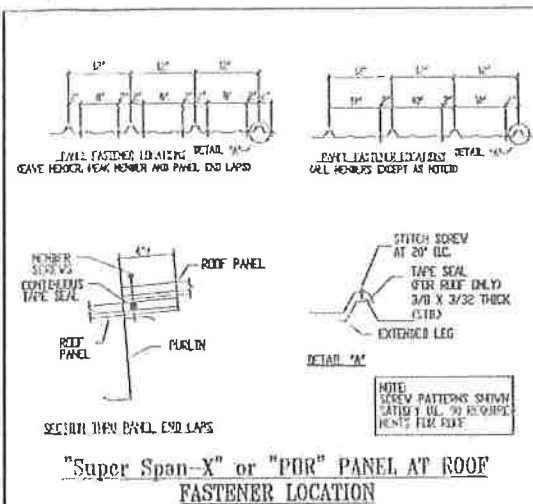
(J23) EAVE STRUT TO RIGID FRAME

(R2) ANCHOR BOLTS AT SIDEWALL COLUMN

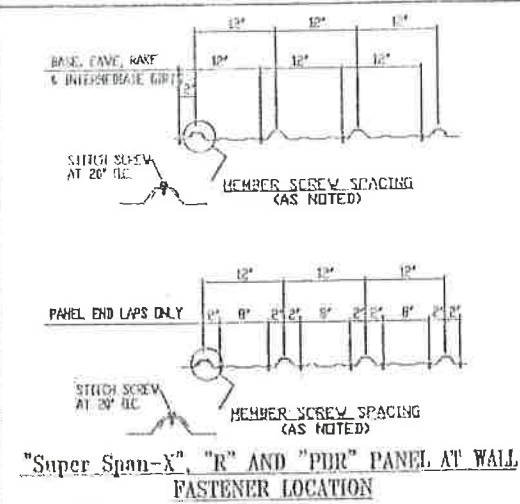
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 2149 Neil Purvis Road
 Adel, GA 31620
 P.E. # 54419

GREGORY S. BARFIELD
 LICENSE
 No 54419
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

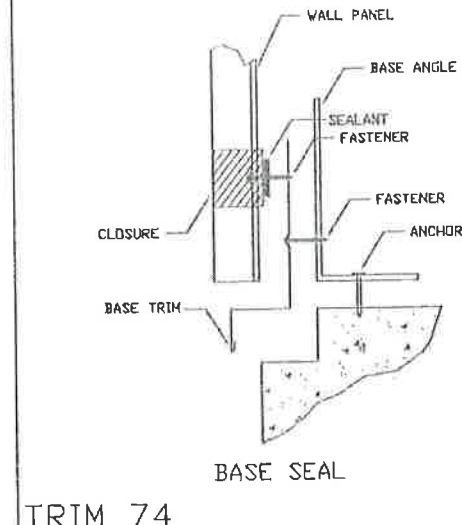
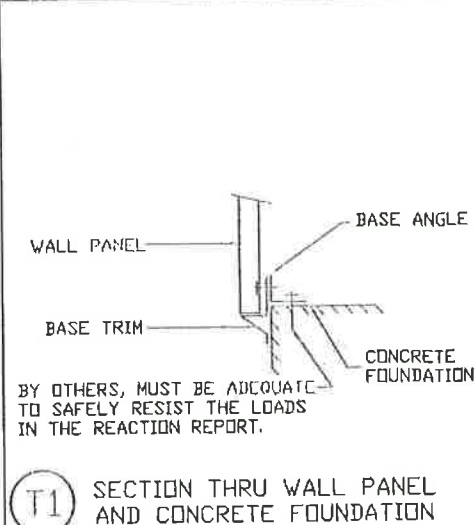
5-21-21



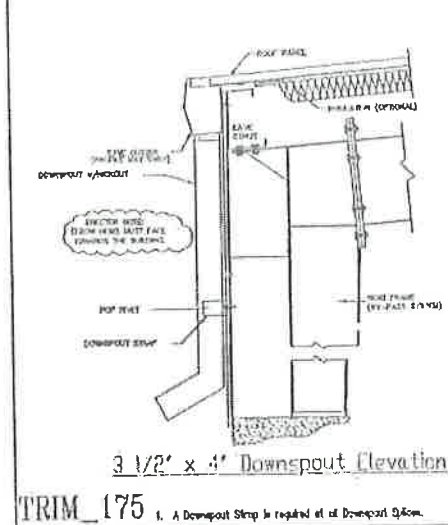
SCREW_4



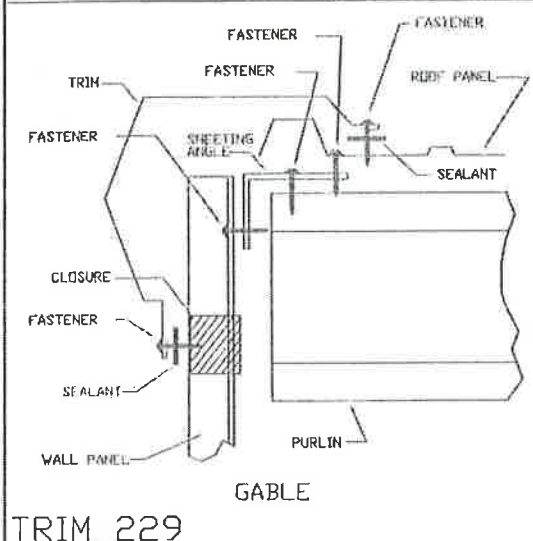
SCREW_5



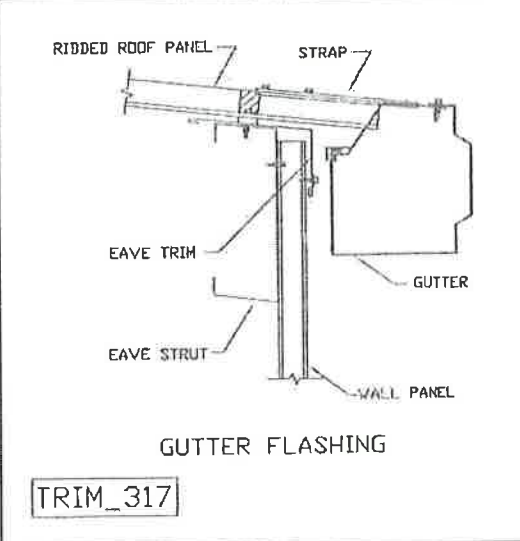
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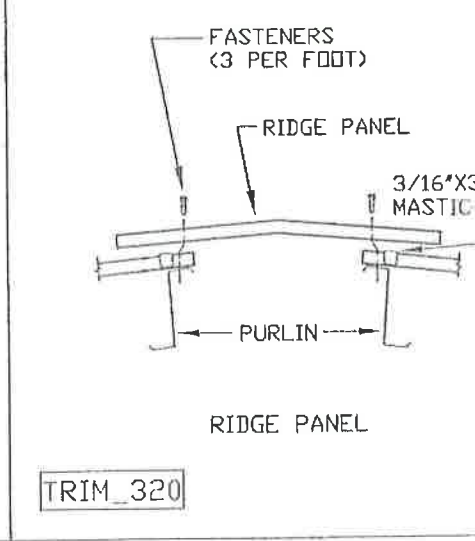
TRIM_175



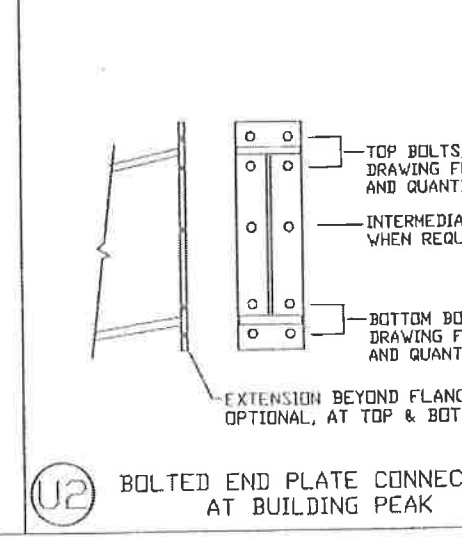
TRIM_229



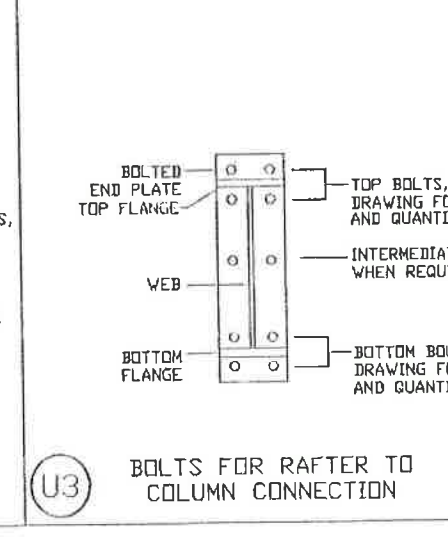
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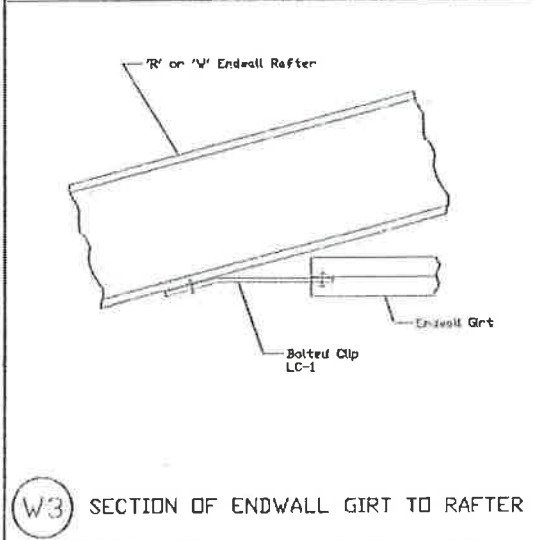
TRIM_320



U2



U3



W3

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



5-21-21

LARIAT
METAL BUILDINGS

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

REVISION	DATE	BY
A		
B		
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DESIGN CRITERIA	
BUILDING CODE:	FBC 20
LIVE LOAD:	20.00 PSF
LIVE LOAD REDUCTION:	Yes
COLLATERAL LOAD:	2 PSF
SNOW LOAD:	0 PSF
WIND LOAD (1 SECOND GUST):	119 MPH
WIND IMPORTANCE FACTOR:	1.00
WIND EXPOSURE:	C
CATEGORY (SEISMIC USE GROUP):	II - Normal

JOB NAME:	KENNETH EDENFIELD 'THE CROSS CHURCH'	ID:	21-170
JOB LOCATION:	LAKE CITY, FL.		
DATE:	5/12/21	SCALE:	N.T.S.
DRAWING TITLE:	DETAIL DRAWINGS	DRAWING	17 of 17