

DESIGN CRITERIA

Width (ft)	= 60.0
Length (ft)	= 100.0
Eave Height (ft)	= 20.0/20.0
Roof Slope (Rise/12)	= 1.0
Dead Load (psf)	= 2.0
Collateral Load (psf)	= 0.0
Roof Live Load (psf)	= 20.0
Frame Live Load (psf)	= 12.0
Snow Load (psf)	= 0.0
Wind Speed (mph)	= 110.0
Wind Code	= FBC 04
Occupancy Category	= II
Exposure	= B
Closed/Open/Partial	= C
Importance - Wind	= 1.00
Internal GCpi	= +0.18 / -0.18
Seismic Use Group (SUG)	= I
Seismic Site Class	= D
Mapped Response (Ss)	= 0.127
Mapped Response (S1)	= 0.064
Design Category (SDC)	= B
Importance - Seismic	= 1.00
Site Coeff (Fv)	= 1.6
Site Coeff (Fv)	= 2.4
Design Response (Sms)	= 0.2032
Design Response (Sm1)	= 0.1536
Design Response (Sds)	= 0.1355
Design Response (Sd1)	= 0.1024
Res Mod Factor (Mom) R	= 3.0
App Period (Moment) Ta	= 0.3076
Res Mod Factor (Br) R	= 4.0
App Period (Braced) Ta	= 0.1891

NOTE: THE SEISMIC ANALYSIS PROCEDURE USED ON THIS STRUCTURE IS THE EQUIVALENT LATERAL FORCE PROCEDURE.

<u>Structural Steel</u>	
ASTM# (Plate)	= A1011
Plate Yield (Fy)	= 55.0 ksi
ASTM# (Bar)	= A592
Plate Yield (Fy)	= 55.0 ksi
<u>Light Gage Steel</u>	
ASTM# (Cold-Form)	= A1011
Cold-Form Yield (Fy)	= 55.0 ksi
ASTM# (Panel)	= A792
Panel Yield (Fy)	= 80.0 ksi

NOTE: ALL CONNECTION BOLTS ARE DESIGNATED IN THESE DRAWINGS AS EITHER A "M" FOR A307 BOLTS OR A "H" FOR A325 BOLTS.

NOTES TO ERECTOR/OWNER:

- [1] "SBS" IS NOT RESPONSIBLE FOR THE ERECTION OF THE BUILDING, THE SUPPLY OF ANY TOOLS OR EQUIPMENT, OR ANY OTHER FIELD WORK UNLESS "SBS" HAS BEEN CONTRACTED FOR THESE. "SBS" DOES NOT PROVIDE ANY FIELD SUPERVISION FOR THE ERECTION OF THE BUILDING, NOR DOES "SBS" PERFORM ANY INSPECTIONS DURING OR AFTER ERECTION.
- [2] USE ONLY THE ERECTION DRAWINGS PROVIDED BY "SBS" AND INCLUDED IN THE ERECTOR'S PACKAGE DELIVERED BY THE TRUCK DRIVER WITH THE BUILDING. "SBS" IS NOT LIABLE FOR ANY CLAIM RESULTING FROM THE USE OF OTHER DRAWINGS.
- [3] CHECK SLAB AND ANCHOR BOLT PLACEMENTS BEFORE STANDING ANY FRAMING. IF THE SLAB IS NOT SIZED CORRECTLY OR IS OUT OF SQUARE, OR IF THE ANCHOR BOLTS ARE NOT CORRECTLY LOCATED, CALL "SBS". "SBS" IS NOT LIABLE FOR LABOR CHARGES RESULTING FROM STANDING FRAMING ON AN INCORRECT SLAB.
- [4] BEGIN ERECTION WITH A BRACED BAY. INSTALL THE EAVE STRUTS FIRST AND THEN THE PURLINS WHICH FALL AT THE CABLE ATTACHMENT POINTS. NEXT, INSTALL ROOF AND WALL CABLES TO A SNUG CONDITION, SO THAT THE FRAMING IS BRACED. FINISH INSTALLING PURLINS AND GIRTS IN THE BRACED BAY. USING THE THE CABLE BRACING, SQUARE AND PLUMB THE FRAMING. CONTINUE WITH REMAINING BAYS, INSTALLING BRACING AS ADDITIONAL BRACED BAYS ARE ERECTED.
- [5] THE CORRECTION OF MINOR MISFITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS INTO LINE, MODERATE AMOUNTS OF REAMING, CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORT-AGES OF MATERIAL ARE A NORMAL PART OF ERECTION AND ARE NOT SUBJECT TO CLAIM. CONTACT "SBS" BEFORE MAKING ANY FIELD MODIFICATION TO THE BUILDING. "SBS" DOES NOT PAY CLAIMS FOR ERROR CORRECTION UNLESS APPROVED IN WRITING BY "SBS" BEFOREHAND.

GREGORY S. BARFIELD, P.E.
2149 NELL PURVIS ROAD
ADEL, GA 31620
PE # 54419

STRUCTURAL STAMP

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REVISIONS

[1]	
[2]	
[3]	
[4]	
[5]	

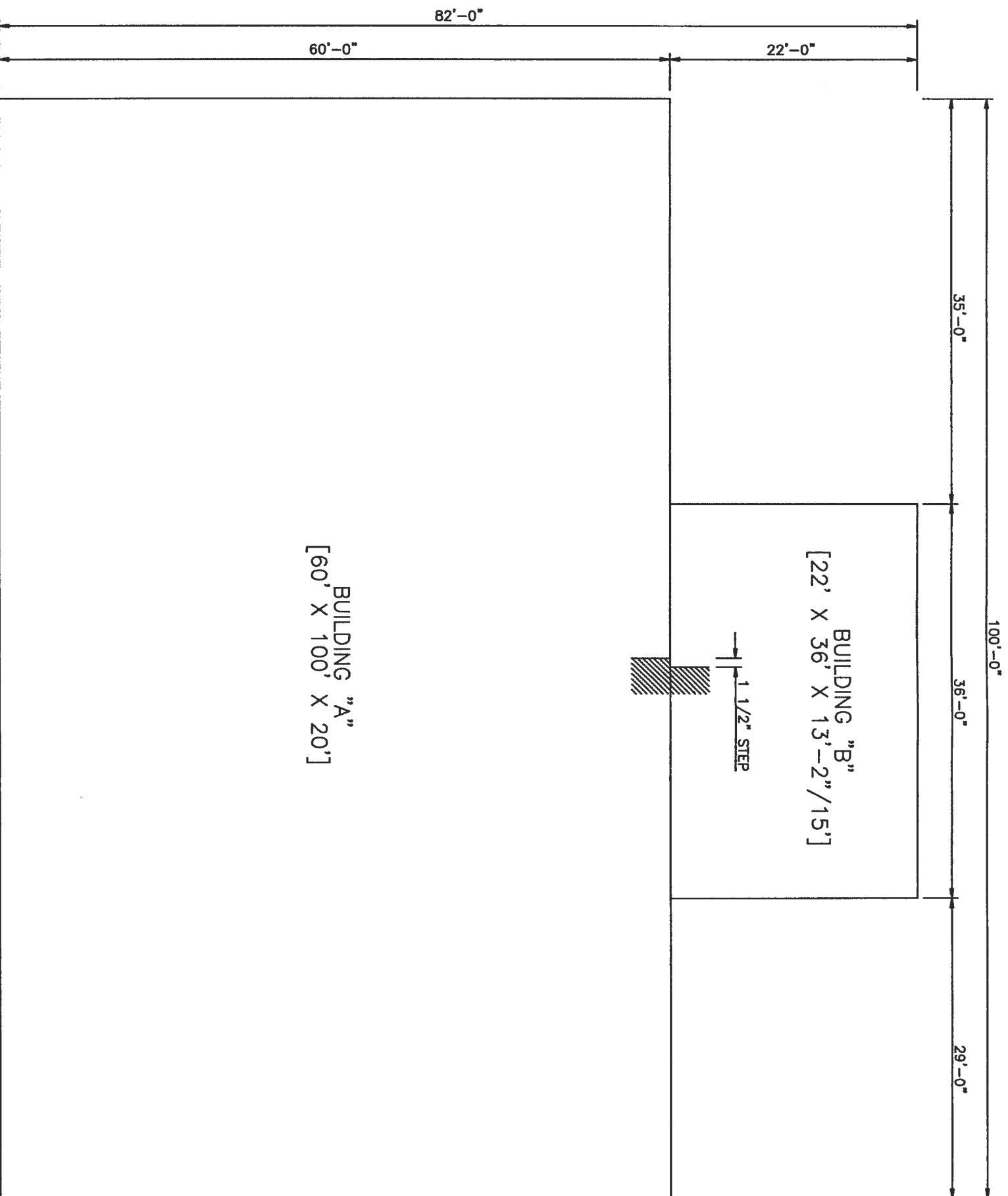
FOR :

CHRIS WILLIAMS
278 SOUTHWEST SUMMERS LANE
LAKE CITY, FLORIDA 32025
LOCATION: LAKE CITY FLORIDA

FROM :

SBS
STEEL BUILDING SYSTEMS INC.
320 STEVENS LANE • P.O. BOX 447
ADEL, GEORGIA 31620

JOB NO :	07-03-06C
DATE :	04/09/200
BY :	MSS
TITLE :	SCALE : NO
NUMBER :	COVER PAGE

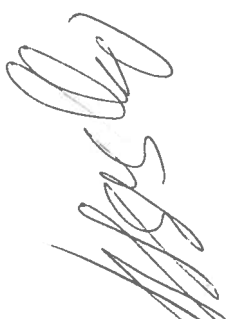


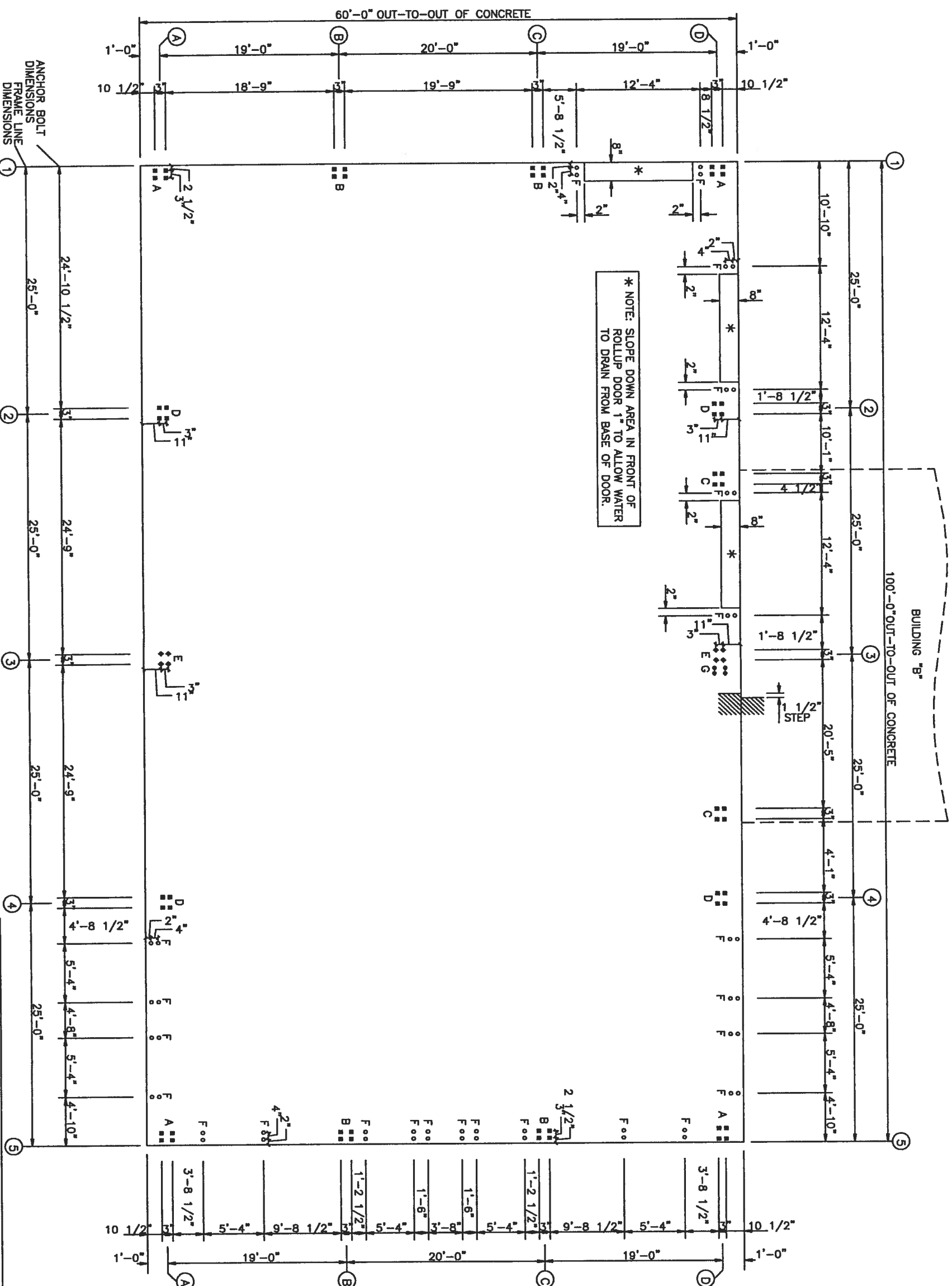
PROJECT LAYOUT PLAN

 STEEL BUILDING SYSTEMS INC.			
CUSTOMER: CHRIS WILLIAMS			
JOB NO: 07-03-060A		DATE: 4/ 9/07	
[1]	LOCATION: LAKE CITY, FLORIDA		
[2]	DRAWING NAME: PROJECT LAYOUT PLAN		
[3]	DRAWING NO: PAGE 1		DRAWN BY: MSS
			CHECKED BY: HEF
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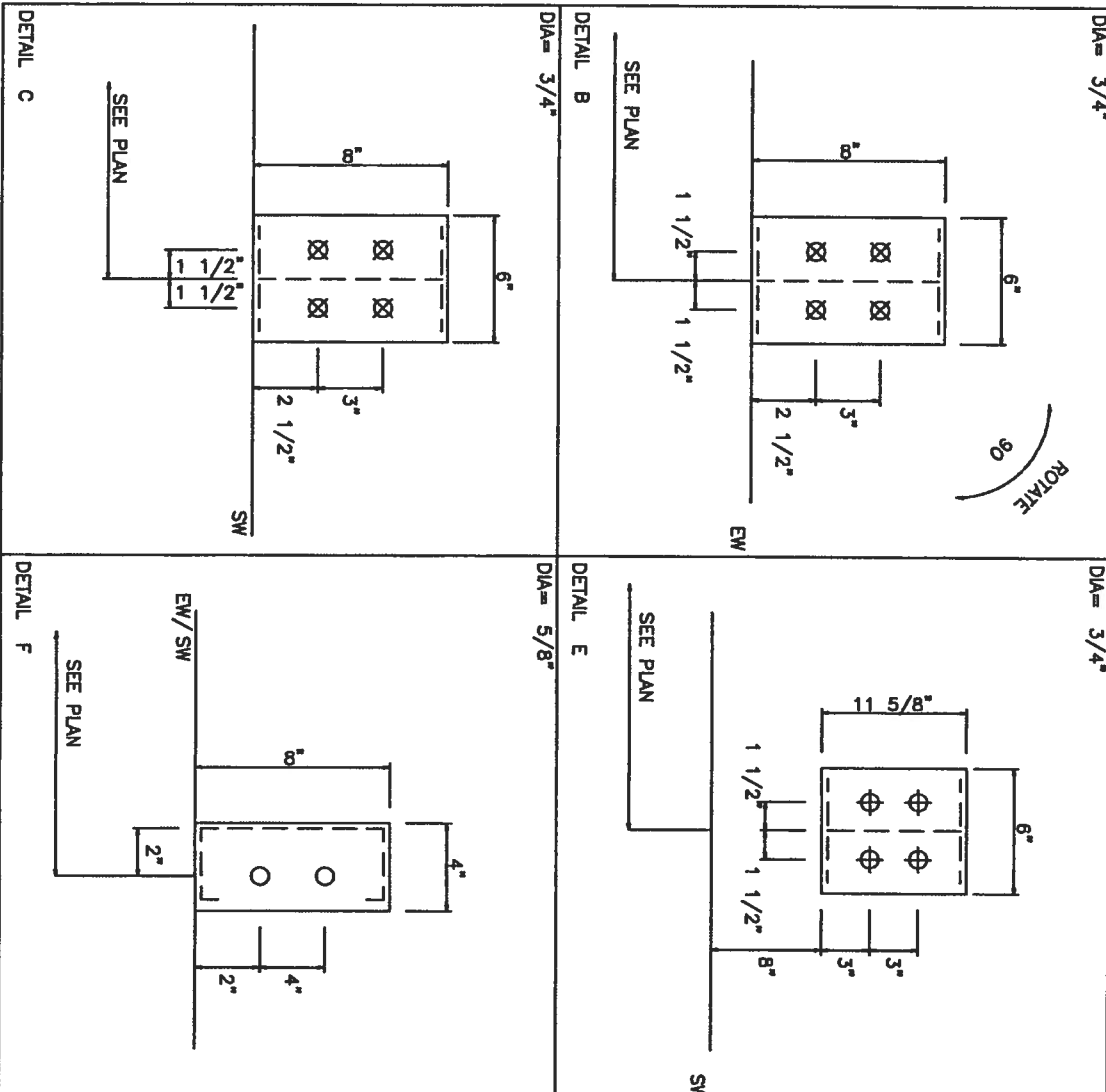
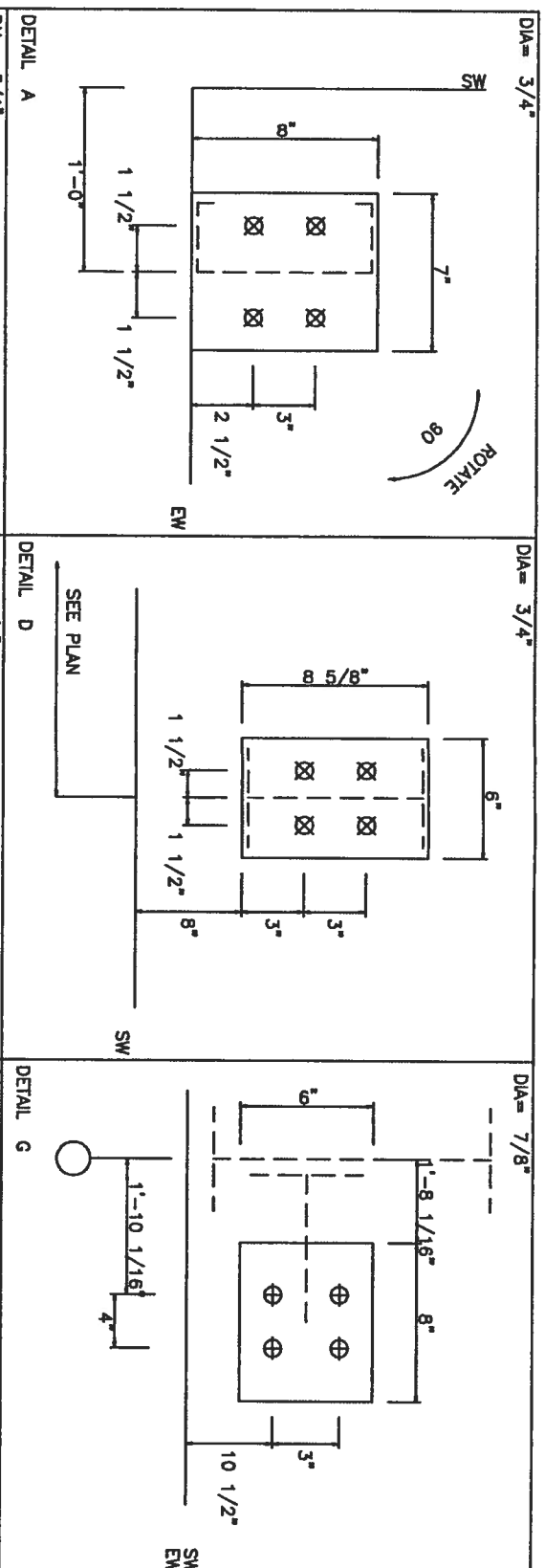
ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (Unless Noted)

 ESSB STEEL BUILDING SYSTEMS INC.	
CUSTOMER: CHRIS WILLIAMS	
REVISIONS	JOB NO: 07-03-060A DATE: 4 / 9/07
[1]	LOCATION: LAKE CITY, FLORIDA SCALE:
[2]	DRAWING NAME: ANCHOR BOLT LAYOUT NONE
[3]	DRAWING NO: PAGE 1.1 DRAWN BY: MSS CHECKED BY: HEF

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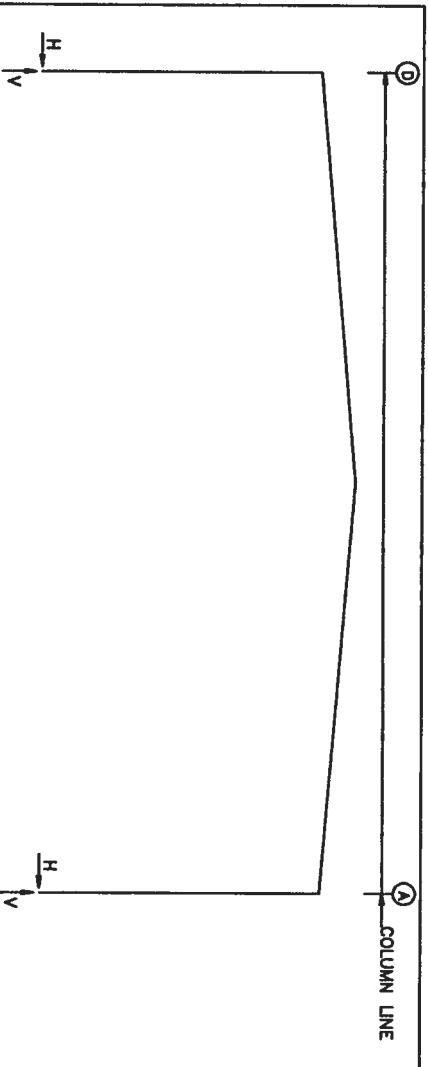
REVISIONS		
[1]		
[2]		
[3]		

STEEL BUILDING SYSTEMS INC.	
CUSTOMER:	CHRIS WILLIAMS
JOB NO.:	07-03-060A
LOCATION:	LAKE CITY, FLORIDA
DRAWING NAME:	ANCHOR BOLT DETAILS
DRAWING NO.:	PAGE 1.2
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RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Column Reactions (k)									
Frame Line	Column Line	Dead	Live	Wind-Left	Wind-Right	Out-Of-Plane	Base Plate (in)	Base Plate (in)	Gout (in)
Line	Line	Id	Id	Id	Id	Id	Wid	Len	Thk
2 * D	1	5.9	11.5	2	-8.8	-13.0	4	0.750	6.000
2 * A	3	8.8	-13.0	1	-5.9	11.5	4	0.750	6.000
2 * Frame lines: 2 4									

NOTES FOR REACTIONS

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 in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
3. Brooding reactions are based on the following building data:
4. Building reactions are based on the following building data:

Width (ft)	80.0
Length (ft)	100.0
Roof Slope (Rise/12)	20.0/20.0
Dead Load (psf)	1.0/1.0
Collateral Load (psf)	2.0
Roof Live Load (psf)	20.0
Frame Live Load (psf)	12.0
Wind Speed (mph)	110.0
Wind Code	FBC
Exposure	C
Closed/Open/Partial	B
Importance Wind	1.00
Importance Seismic	1.00

5. Loading conditions are:

- 1 DL+CL+LL
- 2 DL+1.50WL
- 3 DL+1.50WL+1
- 4 DL+1.50WL+1
- 5 DL+1.50WL+2
- 6 DL+1.50WL+1+1.50WS
- 7 DL+1.50WL+1+1.50WS
- 8 DL+1.50WL+1+1.50WS
- 9 DL+1.50WL+1+1.50WS

BASIC COLUMN REACTIONS (k)									
Frame Line	Column Line	Dead	Live	Wind-Left	Wind-Right	Out-Of-Plane	Base Plate (in)	Base Plate (in)	Gout (in)
Line	Line	Id	Id	Id	Id	Id	Wid	Len	Thk
2 * D	1	1.08	2.45	0.00	0.00	-4.81	8.00	0.00	0.00
2 * A	3	-1.08	-2.45	0.00	0.00	4.81	8.00	0.00	0.00
2 * Frame lines: 2 4									

ENDWALL COLUMN: REACTIONS, ANCHOR BOLTS, & BASE PLATES

Column Reactions (k)									
Frame Line	Column Line	Dead	Live	Wind-Left	Wind-Right	Out-Of-Plane	Base Plate (in)	Base Plate (in)	Gout (in)
Line	Line	Id	Id	Id	Id	Id	Wid	Len	Thk
2 * D	1	0.4	0.0	2.1	0.0	-2.4	0.0	0.0	0.0
2 * A	3	-0.4	0.0	-2.1	0.0	2.4	0.0	0.0	0.0
2 * Frame lines: 2 4									

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

Column Reactions (k)									
Frame Line	Column Line	Dead	Live	Wind-Left	Wind-Right	Out-Of-Plane	Base Plate (in)	Base Plate (in)	Gout (in)
Line	Line	Id	Id	Id	Id	Id	Wid	Len	Thk
2 * D	1	0.0	0.0	-2.7	7	0.0	-2.7	4	0.750
2 * A	3	0.0	0.0	2.7	-7	0.0	2.7	4	0.750
2 * Frame lines: 2 4									

BRACING REACTIONS, PANEL SHEAR

Panel Reactions (k)									
Frame Line	Column Line	Dead	Live	Wind-Left	Wind-Right	Out-Of-Plane	Base Plate (in)	Base Plate (in)	Gout (in)
Line	Line	Id	Id	Id	Id	Id	Wid	Len	Thk
2 * D	1	0.0	0.0	-2.7	7	0.0	-2.7	4	0.750
2 * A	3	0.0	0.0	2.7	-7	0.0	2.7	4	0.750
2 * Frame lines: 2 4									

ANCHOR BOLT SUMMARY

Qty	Loc	Dig (in)	Projection (in)
48	DJ	5/8"	1.50
32	FW	3/4"	1.50
16	RF	7/8"	2.50
8	WF	7/8"	2.50

WIND COLUMN REACTIONS

± Reactions									
Frame Line	Column Line	Dead	Live	Wind-Left	Wind-Right	Out-Of-Plane	Base Plate (in)	Base Plate (in)	Gout (in)
Line	Line	Id	Id	Id	Id	Id	Wid	Len	Thk
2 * D	1	0.0	0.0	-2.7	7	0.0	-2.7	4	0.750
2 * A	3	0.0	0.0	2.7	-7	0.0	2.7	4	0.750
2 * Frame lines: 2 4									

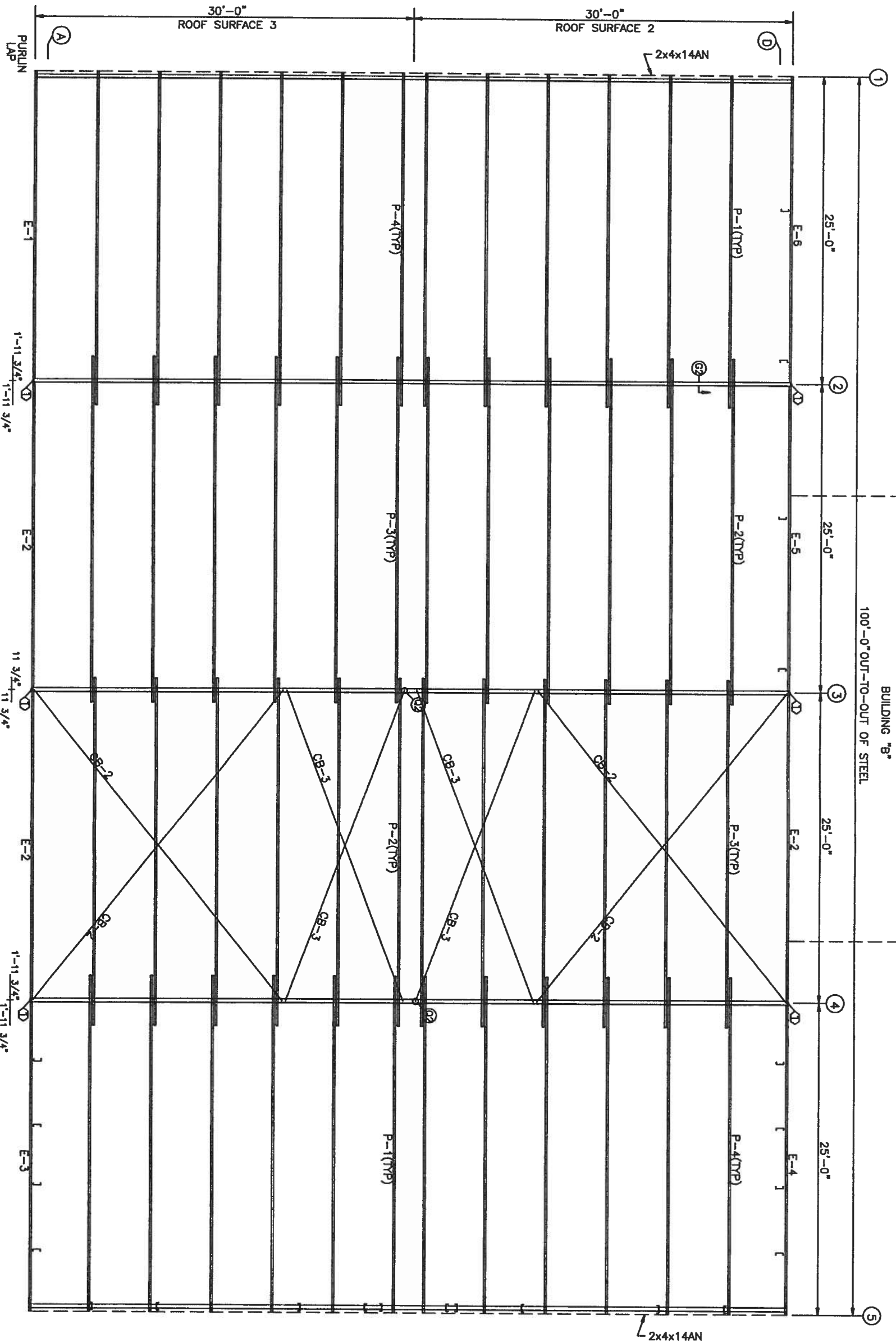


CUSTOMER:		CHRIS WILLIAMS	
JOB NO:	07-03-060A	DATE:	4/19/07
LOCATION:	LAKE CITY, FLORIDA		
DRAWING NAME:	ANCHOR BOLT REACTIONS	SCALE:	NONE
DRAWING NO:	PAGE 1.3	DRAWN BY:	MSS
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ROOF FRAMING PLAN

MEMBER TABLE			
MARK	PART	LENGTH	
P-1	10x25x14	26'-11 1/2"	
P-2	10x25x14	27'-11 1/2"	
P-3	10x25x14	27'-11 1/2"	
P-4	10x25x14	26'-11 1/2"	
E-1	10ES14@1	24'-11 1/2"	
E-2	10ES14@1	24'-11 1/2"	
E-3	10ES14@1	24'-11 1/2"	
E-4	10ES14@1	24'-11 1/2"	
E-5	10ES14@1	24'-11 1/2"	
E-6	10ES14@1	24'-11 1/2"	
CB-2	5/16 CBL	30'-8 3/4"	
CB-3	1/4 CBL	26'-7"	

SPECIAL BOLT TABLE			
QID	QTY	DIA.	LENGTH
1	2	1/2"	1 1/4"

		CUSTOMER:	
		CHRIS WILLIAMS	
REVISIONS		JOB NO.:	DATE:
[1]		07-03-060A	4/9/07
[2]	DRAWING NAME:		
[3]	ROOF FRAMING LAYOUT		
DRAWING NO.:		DRAWN BY:	CHECKED BY:
PAGE 2		MSS	

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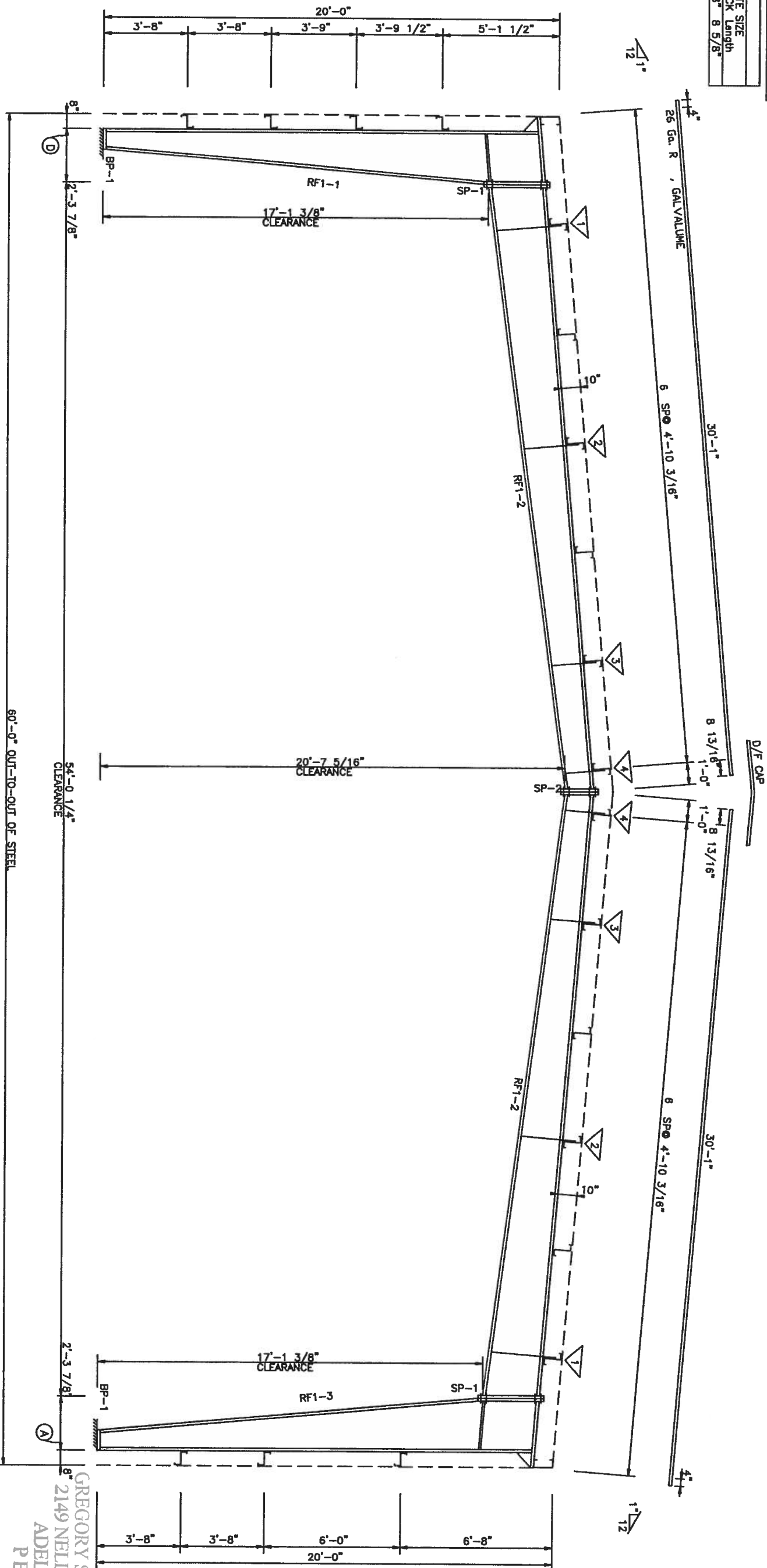
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SPRUE BOLTS	QUAN	-----BOLT-----
MARK	TOP/BOT/INT	TYPE DIA LEN
SP-1	4	4 0 A325 5/8" 2 1/2"
SP-2	4	4 0 A325 5/8" 2 1/2"

FLANGE BRACE TABLE			
FRAME LINE 2 4			
V ID	SIDES	MARK	LENGTH
1	2	FB4	3'-1 3/4"
2	2	FB3	2'-10 3/8"
3	2	FB2	2'-6 1/16"
4	2	FB1	2'-5 5/16"

BASE PLATES	PLATE SIZE
COL	WID THICK Length
BP-1	6" 3/8" 8 5/8"



RIGID FRAME ELEVATION
FOR FRAME LINE 2 4

PIECE	WEB DEPTH	WEB THICK	FLANGE THICK	OUTSIDE FLANGE	INSIDE FLANGE
RF1-1	7'-1/2 0	0.134	19'-4 3/16"	5x1/4" x 18'-0 15/16"	5x5/8" x 16'-9"
RF1-2	27 0/23 0	0.199	7'-2 1/4"	5x1/4" x 18'-0 3/8"	5x1/4" x 19'-0"
RF1-3	23 0/23 0	0.134	19'-0 3/16"	5x1/4" x 18'-0 3/8"	5x1/4" x 19'-0"
	23 0/23 0	0.134	19'-0 3/16"	5x1/4" x 18'-0 3/8"	5x1/4" x 19'-0"
	23 0/23 0	0.134	19'-0 3/16"	5x1/4" x 18'-0 3/8"	5x1/4" x 19'-0"
	23 0/23 0	0.134	19'-0 3/16"	5x1/4" x 18'-0 3/8"	5x1/4" x 19'-0"
	23 0/23 0	0.134	19'-0 3/16"	5x1/4" x 18'-0 3/8"	5x1/4" x 19'-0"
	23 0/23 0	0.134	19'-0 3/16"	5x1/4" x 18'-0 3/8"	5x1/4" x 19'-0"
	23 0/23 0	0.134	19'-0 3/16"	5x1/4" x 18'-0 3/8"	5x1/4" x 19'-0"
	23 0/23 0	0.134	19'-0 3/16"	5x1/4" x 18'-0 3/8"	5x1/4" x 19'-0"

REVISIONS	JOB NO.	DATE
[1]	07-03-060A	4/9/07
[2]	LAKE CITY, FLORIDA	
[3]	RIGID FRAME CROSS SECTION	
	DRAWING NO. PAGE 2.1	
	DRAWN BY: MSS	CHECKED BY:

STEEL BUILDING SYSTEMS INC.

CUSTOMER:
CHRIS WILLIAMS

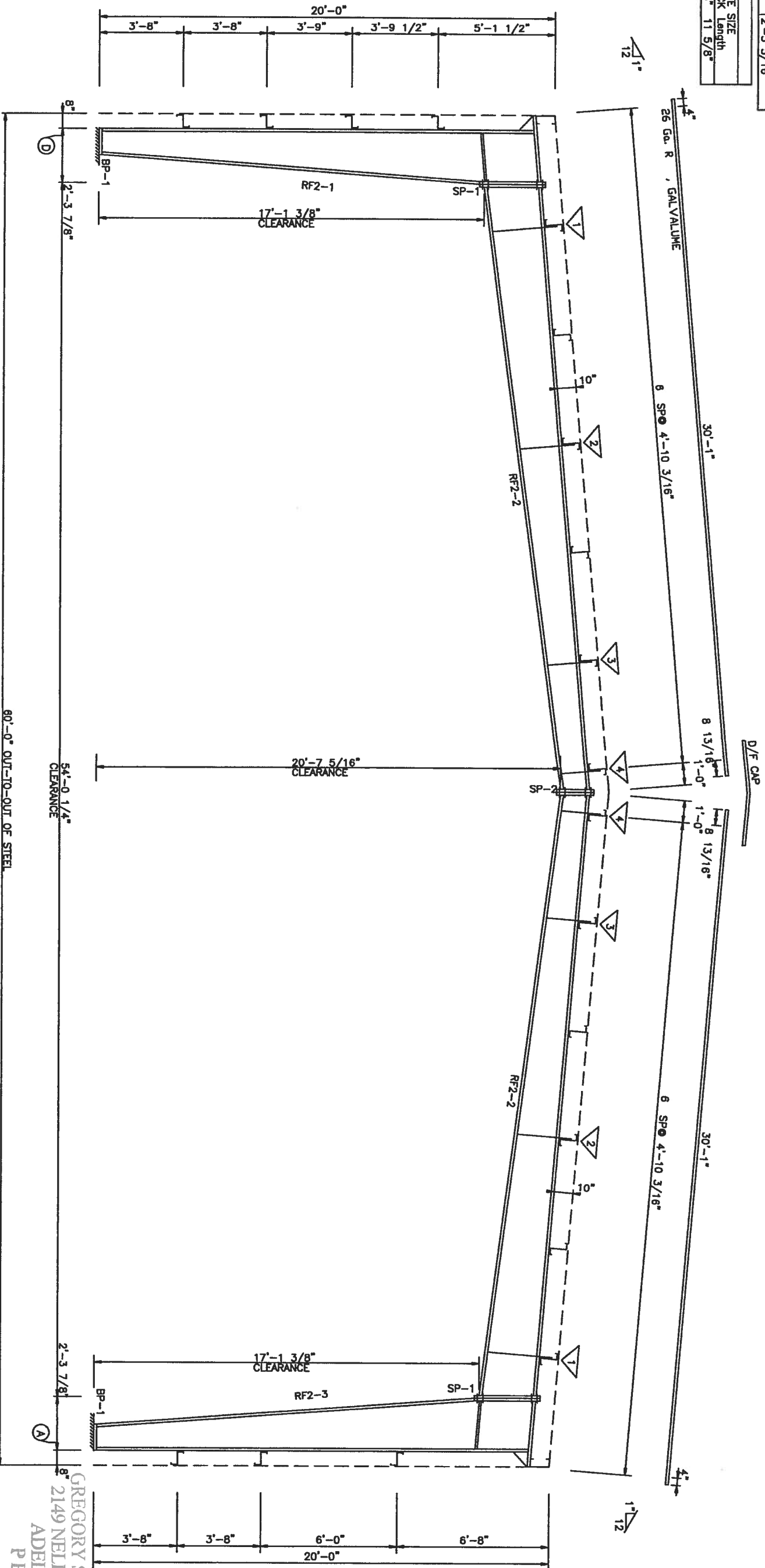
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ADEL, GA 31620
PE# 54419

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SPICE BOLTS		QUAN		TOP/BOT/INT		TYPE		DIA		LEN	
SP-1	4	4	4	0	A325	5/8"	2	1 1/2"			
SP-2	4	4	4	0	A325	5/8"	2	1 1/2"			
FLANGE BRACE TABLE											
FLANGE LINE	3										
V ID	SIDES	MARK	LENGTH								
1	2	FB4	3'-1 3/4"								
2	2	FB3	2'-10 3/4"								
3	2	FB2	2'-6 11/16"								
4	2	FB1	2'-5 5/16"								

BASE PLATES		PLATE SIZE	
COL	ID	WID	THICK
BP-1	1	6" 5/8"	11 5/8"



MEMBER SIZE TABLE		OUTSIDE FLANGE		INSIDE FLANGE	
PIECE	WEB DEPTH	WEB PLATE	W x T x LEN	W x T x LEN	W x T x LEN
RF2-1	10.7/27.0	0.134	19'-3 15/16"	5x1 1/4" x 18'-11 1/16"	5x5/8" x 18'-9 3/8"
RF2-2	27.0/23.0	0.189	7'-2 1/4"	5x1 1/4" x 18'-11 1/16"	5x1 1/4" x 18'-11 1/16"
RF2-3	27.0/10.7	0.134	18'-3 15/16"	5x1 1/4" x 18'-11 1/16"	5x5/8" x 18'-9 3/8"

RIGID FRAME ELEVATION
FOR FRAME LINE 3

CUSTOMER:		CHRIS WILLIAMS	
JOB NO:		07-03-060A	
LOCATION:		LAKE CITY, FLORIDA	
DRAWING NAME:		RIGID FRAME CROSS SECTION	
DRAWING NO:		PAGE 2.2	
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