

DESIGN CRITERIA

Width (ft)	= 19.8333
Length (ft)	= 30.0
Eave Height (ft)	= 12.0/13.6528
Roof Slope (Rise/12)	= 1.0
Dead Load (psf)	= 2.0
Collateral Load (psf)	= 0.0
Roof Live Load (psf)	= 20.0
Snow Load (psf)	= 0.0
Wind Speed (mph)	= 110.0
Wind Code	= FBC 04
Occupancy Category	= B
Exposure	= C
Closed/Open/Partial	= 1.00
Importance - Wind	= +0.18 / -0.18
Internal GCpi	= 1
Seismic Use Group (SUG)	= D
Seismic Site Class	= D
Mapped Response (Ss)	= 0.1370
Mapped Response (S1)	= 0.0700
Design Category (SDC)	= B
Importance - Seismic	= 1.00
Site Coeff (Fd)	= 1.6000
Site Coeff (Fv)	= 2.4000
Design Response (Sms)	= 0.2192
Design Response (Sm1)	= 0.1680
Design Response (Sds)	= 0.1461
Design Response (Sd1)	= 0.1120
Res Mod Factor (Morm)	R = 3.5
App Period (Moment) Ta	= 0.2266
Res Mod Factor (Brc) R	= 5.0
App Period (Braced) Tb	= 0.1420

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)	= 50.0 ksi
ASTM# (Bar)	= A592
Plate Yield (Fy)	= 50.0 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 SHORTAGES 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.

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STRUCTURAL STAMP

FROM :

STEEL BUILDING SYSTEMS INC.

320 STEVENS LANE • P.O. BOX 447
ADEL, GEORGIA 31620
PH: 229.896.7428 • FAX: 229.896.2881 • www.sbsga.com

FOR :

RACINE CONSTRUCTION CO.
2729 SUMMERALL AVENUE
JACKSONVILLE, FLORIDA 32207

LOCATION: DELAND, FLORIDA

REVISIONS

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

JOB NO : 08-01-012B

DATE : 1/28/2008

BY : CFR SCALE : NONE

TITLE : COVER PAGE

NUMBER :

FILE COPY

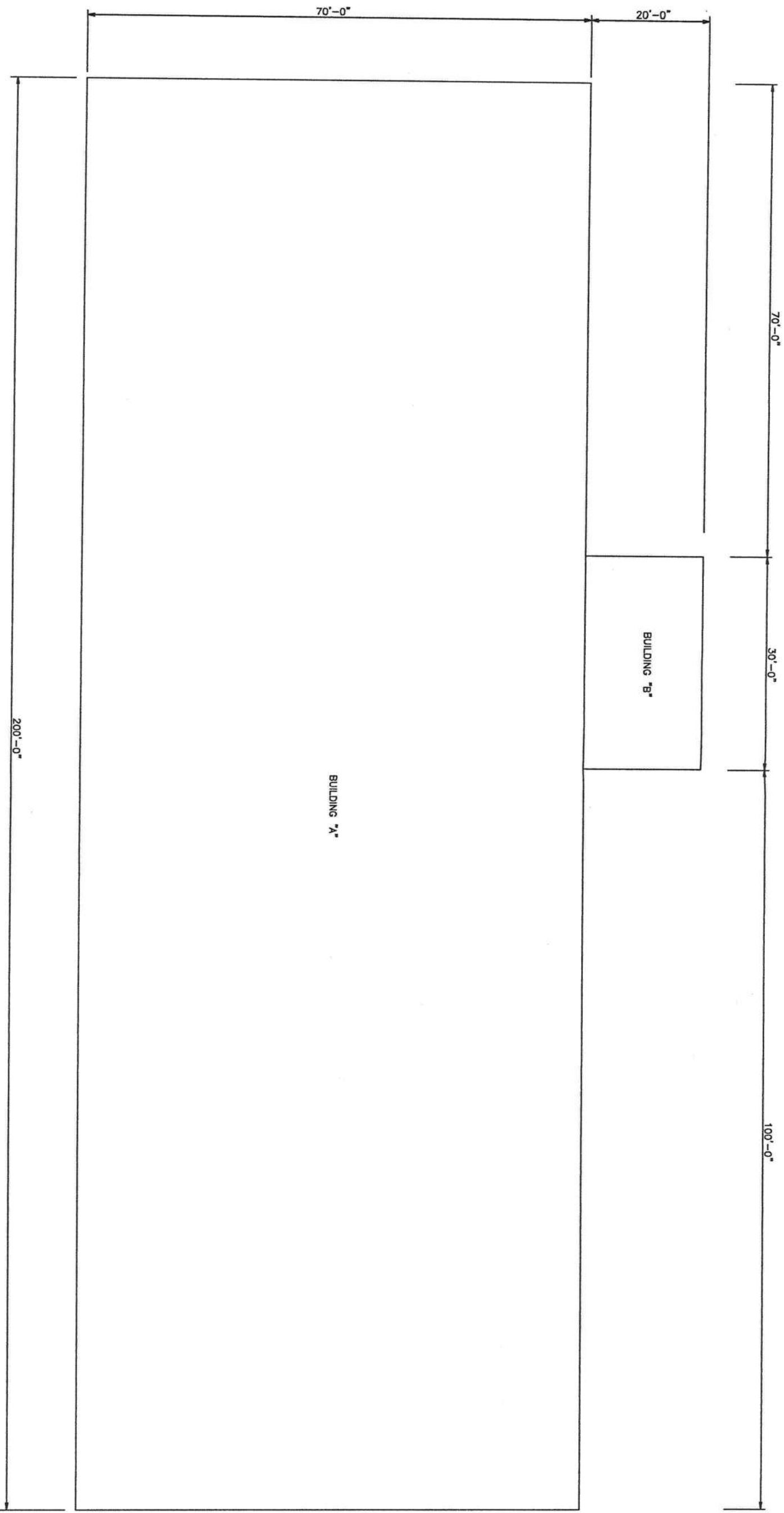
REVIEWED BY
FRANK HOLAS & ASSOC.

APPROVED

APPROVED AS NOTED

REJECTED - RESUBMIT

DATED 2/27/08



NOTE: THE PURPOSE OF THE PROJECT LAYOUT PLAN IS TO SHOW THE RELATIONSHIP AND ORIENTATION OF THE VARIOUS BUILDINGS WHICH MAKE UP THE PROJECT.

THE PROJECT LAYOUT PLAN IS NOT TO BE USED TO LAYOUT, FORM UP, OR POUR, THE FOUNDATIONS AND/OR SLABS.

PROJECT LAYOUT PLAN

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STRUCTURAL STAMP



CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012B DATE: 1/28/08

LOCATION: LAKE CITY, FL

DRAWING NAME: PROJECT LAYOUT PLAN SCALE: NONE

DRAWING NO: PAGE 1 DRAWN BY: CFR CHECKED BY: HTF

[Signature]
1/28/08

STRUCTURAL STAMP

SBS STEEL BUILDING SYSTEMS INC.

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

Firm Line	Col Line	Load Id	Column		Reactions (k)			Anc. Bolt No D(in)	Base Plate Wid	Plate (in)		Grout (in)	
			Hmax H	V Vmax	Loat Id	Hmin H	V Vmin			Len	Thk		
1	D	1	0.6	-3.8	2	-0.5	-1.0	4	0.750	6.000	8.000	0.500	0.0
		3	0.6	2.2	1	0.6	-3.8						
1	C	3	0.7	-4.0	2	-0.6	-1.7	2	0.750	4.000	8.000	0.250	0.0
		4	0.0	2.1	3	0.7	-4.0						
1	B	5	0.7	-1.9	2	-0.6	-1.6	2	0.750	4.000	8.000	0.250	0.0
		4	0.0	2.0	3	0.7	-1.9						
1	A	5	0.6	-1.3	2	-0.6	-1.1	4	0.750	8.000	8.000	0.250	0.0
		4	0.0	1.4	5	0.6	-1.3						
2	A	6	0.6	-1.3	2	-0.6	-1.1	4	0.750	8.000	8.000	0.250	0.0
		4	0.0	1.4	6	0.6	-1.3						
2	B	6	0.7	-1.9	2	-0.6	-1.6	2	0.750	4.000	8.000	0.250	0.0
		4	0.0	2.0	6	0.7	-1.9						
2	C	1	0.7	-4.0	1	-0.6	-1.7	2	0.750	4.000	8.000	0.250	0.0
		4	0.0	2.1	1	0.7	-4.0						
2	D	3	0.6	-3.8	2	-0.5	-1.0	4	0.750	6.000	8.000	0.500	0.0
		1	0.6	2.2	3	0.6	-3.8						

		± Reactions				Base Plate(in)		
		Horz (k)	Vert (k)	Moment (ft-k)	Anc. Bolt No	Width	Length	Thick
---	Wall- Col							
---	Loc Line R/L							
---	Load Id							
B-SW	D 1&2 L	2.11	31.62	21.08	4	0.750	6.00	0.50
	Wind	0.15	2.30	1.53				
	Seismic							

ANCHOR BOLT SUMMARY			
Qty	Loc	Dia (in)	Projection (in)
16	EW	3/4"	1.50
12	EW	3/4"	2.50

		± Reactions (k)			Panel Shear (lb/ft)	
		Wind	Seismic			
		Horz	Vert	Horz	Vert	
EW	1	D.C	1.7	2.2	0.1	0.1
FW	2	Torsional Bracing				
REW	A	C.D	1.7	2.2	0.1	0.1
BSW	D	Wind Column In Wall				

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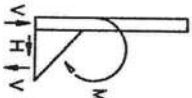
ENDWALL COLUMN:											
BASIC COLUMN REACTIONS (k)											
Frm Line	Col Line	Dead Vert	Live Vert	Rofter Wind_L Vert	Rofter Wind_R Vert	Brace Wind_L Vert	Brace Wind_R Vert	Wind_P Horz	Wind_S Horz	Wind_Ln Vert	
1	D	0.17	1.17	-1.06	-0.64	1.57	0.00	-0.38	0.44	-0.91	
1	C	0.25	1.87	-1.73	-1.06	-3.27	-0.48	0.53	-1.51	-1.42	
1	B	0.24	1.76	-1.69	-0.99	-0.99	-0.48	0.49	-0.98	-0.98	
2	A	0.18	1.21	-1.13	-1.13	0.00	-0.69	-0.43	0.53	-1.42	
2	B	0.24	1.76	-0.99	-1.65	0.00	-1.65	-0.48	0.53	-1.42	
2	C	0.25	1.87	-1.06	-1.75	0.00	-3.27	-0.48	0.44	-1.51	
2	D	0.17	1.17	-0.64	-1.06	0.00	-3.07	-0.38	0.44	-0.91	
Frm Line	Col Line	Seis-Horiz Vert	Seis-Vert	Aux-1 Horz Vert	Aux-2 Horz Vert	Aux-3 Horz Vert	Aux-4 Horz Vert				
1	D	0.05	-0.06	0.00	0.07	1.14	0.02	1.43	-0.01	2.50	
1	C	0.00	0.06	-0.07	2.50	1.18	0.44	0.49	0.01	1.00	
1	B	0.00	0.00	0.00	0.00	1.27	0.49	0.01	1.00	1.00	
2	A	0.00	0.00	0.00	0.00	1.22	-0.01	1.00	1.00	1.00	
2	B	0.00	0.00	0.00	0.00	1.27	0.49	0.01	1.00	1.00	
2	C	0.05	-0.07	0.00	-0.06	1.14	0.02	1.43	-0.01	2.50	
2	D	0.00	0.06	-0.07	2.50	1.18	0.44	0.49	0.01	1.00	

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

Frm Line	Col Line	Load Id	Hmax H	Column Reactions (k)	Vmin V	Anc. Bolt No D(in)	Base Plate W/d	Base Plate Len	Thk	Grout (in)	
1	D	1	0.6	-3.8	2	-0.5	4	0.750	8.000	0.500	0.0
1	C	3	0.6	2.2	1	-3.8	4	0.750	8.000	0.250	0.0
1	B	4	0.7	-4.0	2	-1.7	2	0.750	8.000	0.250	0.0
1	A	5	0.7	2.1	3	-4.0	4	0.750	8.000	0.250	0.0
2	B	5	0.7	-1.9	2	-0.6	2	0.750	8.000	0.250	0.0
2	A	4	0.6	2.0	5	-1.9	4	0.750	8.000	0.250	0.0
2	A	5	0.6	-1.3	2	-0.6	4	0.750	8.000	0.250	0.0
2	A	4	0.6	1.4	3	-1.1	4	0.750	8.000	0.250	0.0
2	A	6	0.6	-1.3	2	-0.6	4	0.750	8.000	0.250	0.0
2	B	4	0.7	1.4	6	-1.3	4	0.750	8.000	0.250	0.0
2	B	6	0.7	-1.9	2	-0.6	2	0.750	8.000	0.250	0.0
2	C	4	0.7	2.0	6	-1.9	4	0.750	8.000	0.250	0.0
2	C	4	0.7	-4.0	2	-1.7	2	0.750	8.000	0.250	0.0
2	D	1	0.6	2.1	1	-4.0	4	0.750	8.000	0.500	0.0
2	D	3	0.6	-3.8	2	-1.0	4	0.750	8.000	0.500	0.0
2	D	1	0.6	2.2	3	-3.8	4	0.750	8.000	0.500	0.0

WIND COLUMN REACTIONS

WIND COLUMN REACTIONS											
Frm Line	Col Line	Dead Vert	Live Vert	Rofter Wind_L Vert	Rofter Wind_R Vert	Brace Wind_L Vert	Brace Wind_R Vert	Wind_P Horz	Wind_S Horz	Wind_Ln Vert	
1	D	0.17	1.17	-1.06	-0.64	1.57	0.00	-0.38	0.44	-0.91	
1	C	0.25	1.87	-1.73	-1.06	-3.27	-0.48	0.53	-1.51	-1.42	
1	B	0.24	1.76	-1.69	-0.99	-0.99	-0.48	0.49	-0.98	-0.98	
2	A	0.18	1.21	-1.13	-1.13	0.00	-0.69	-0.43	0.53	-1.42	
2	B	0.24	1.76	-0.99	-1.65	0.00	-1.65	-0.48	0.53	-1.42	
2	C	0.25	1.87	-1.06	-1.75	0.00	-3.27	-0.48	0.44	-1.51	
2	D	0.17	1.17	-0.64	-1.06	0.00	-3.07	-0.38	0.44	-0.91	



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:
 - Length (ft) = 19.8
 - Width (ft) = 30.0
 - Eave Height (ft) = 12.0/ 13.7
 - Roof Slope (Rise/12) = 1.0
 - Dead Load (psf) = 2.0
 - Collateral Load (psf) = 0.0
 - Live Load (psf) = 20.0
 - Wind Speed (mph) = 110.0
 - Wind Code = FBC 04
 - Exposure = B
 - Closed/Open/Partial = C
 - Importance Wind = 1.00
 - Importance Seismic = 1.00

5. Loading conditions are:

- DL+1.30WL+1.30WS
- DL+1.30WR+1.30LW+1.30WS
- DL+1.30WR+1.30WS
- DL+CL+LL
- DL+1.30WL+1.30WS
- DL+1.30WR+1.30WS

ANCHOR BOLT SUMMARY

Qty	Loc	Dia (in)	Projection (in)
16	EW	3/4"	1.50
12	EW	3/4"	2.50

BRACING REACTIONS, PANEL SHEAR

BRACING REACTIONS, PANEL SHEAR											
Frm Line	Col Line	Dead Vert	Live Vert	Rofter Wind_L Vert	Rofter Wind_R Vert	Brace Wind_L Vert	Brace Wind_R Vert	Wind_P Horz	Wind_S Horz	Wind_Ln Vert	
1	D	0.17	1.17	-1.06	-0.64	1.57	0.00	-0.38	0.44	-0.91	
1	C	0.25	1.87	-1.73	-1.06	-3.27	-0.48	0.53	-1.51	-1.42	
1	B	0.24	1.76	-1.69	-0.99	-0.99	-0.48	0.49	-0.98	-0.98	
2	A	0.18	1.21	-1.13	-1.13	0.00	-0.69	-0.43	0.53	-1.42	
2	B	0.24	1.76	-0.99	-1.65	0.00	-1.65	-0.48	0.53	-1.42	
2	C	0.25	1.87	-1.06	-1.75	0.00	-3.27	-0.48	0.44	-1.51	
2	D	0.17	1.17	-0.64	-1.06	0.00	-3.07	-0.38	0.44	-0.91	

STRUCTURAL STAMP

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SBS STEEL BUILDING SYSTEMS INC.

CUSTOMER: RACINE CONSTRUCTION CO.

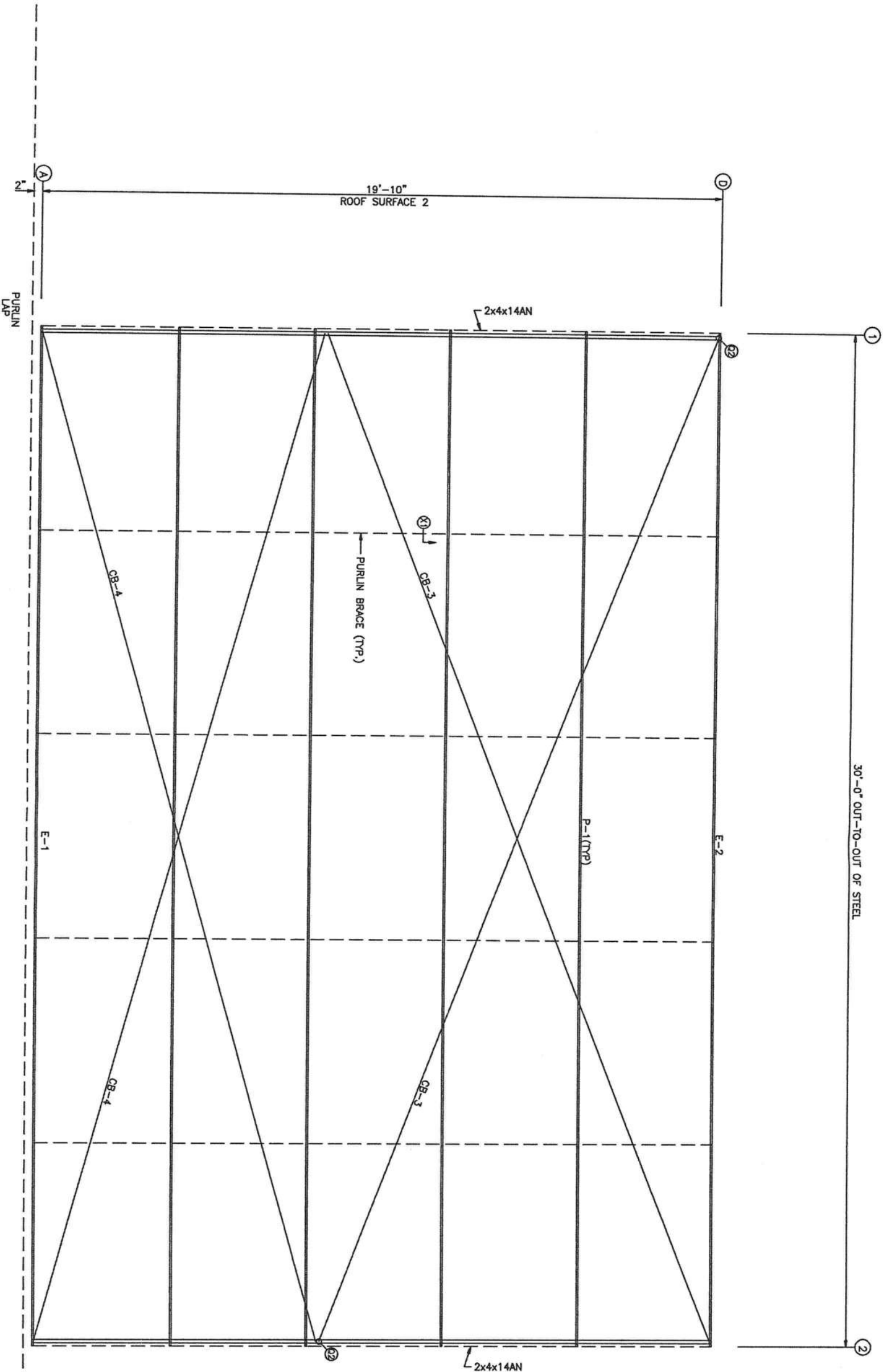
JOB NO: 08-01-012B DATE: 1/28/08

LOCATION: LAKE CITY, FL

DRAWING NAME: ANCHOR BOLT REACTIONS
DRAWING NO: 1.3
SCALE: NONE
CHECKED BY: JFR

MEMBER TABLE			
ROOF PLAN			
MARK	PART	LENGTH	
P-1	12x25Z12	29'-11"	1 1/2"
E-1	12ES14@1	29'-11"	1 1/2"
E-2	12ES14@1	29'-11"	1 1/2"
CB-3	1/4 CBL	31'-1"	15 1/2"
CB-4	1/4 CBL	30'-2"	7 7/8"

30'-0" OUT-TO-OUT OF STEEL



ROOF FRAMING PLAN



CUSTOMER:
RACINE CONSTRUCTION CO.

JOB NO.: 08-01-012B
DATE: 1/28/08

LOCATION:
LAKE CITY, FL

DRAWING NAME:
ROOF FRAMING LAYOUT

DRAWING NO.:
PAGE 2

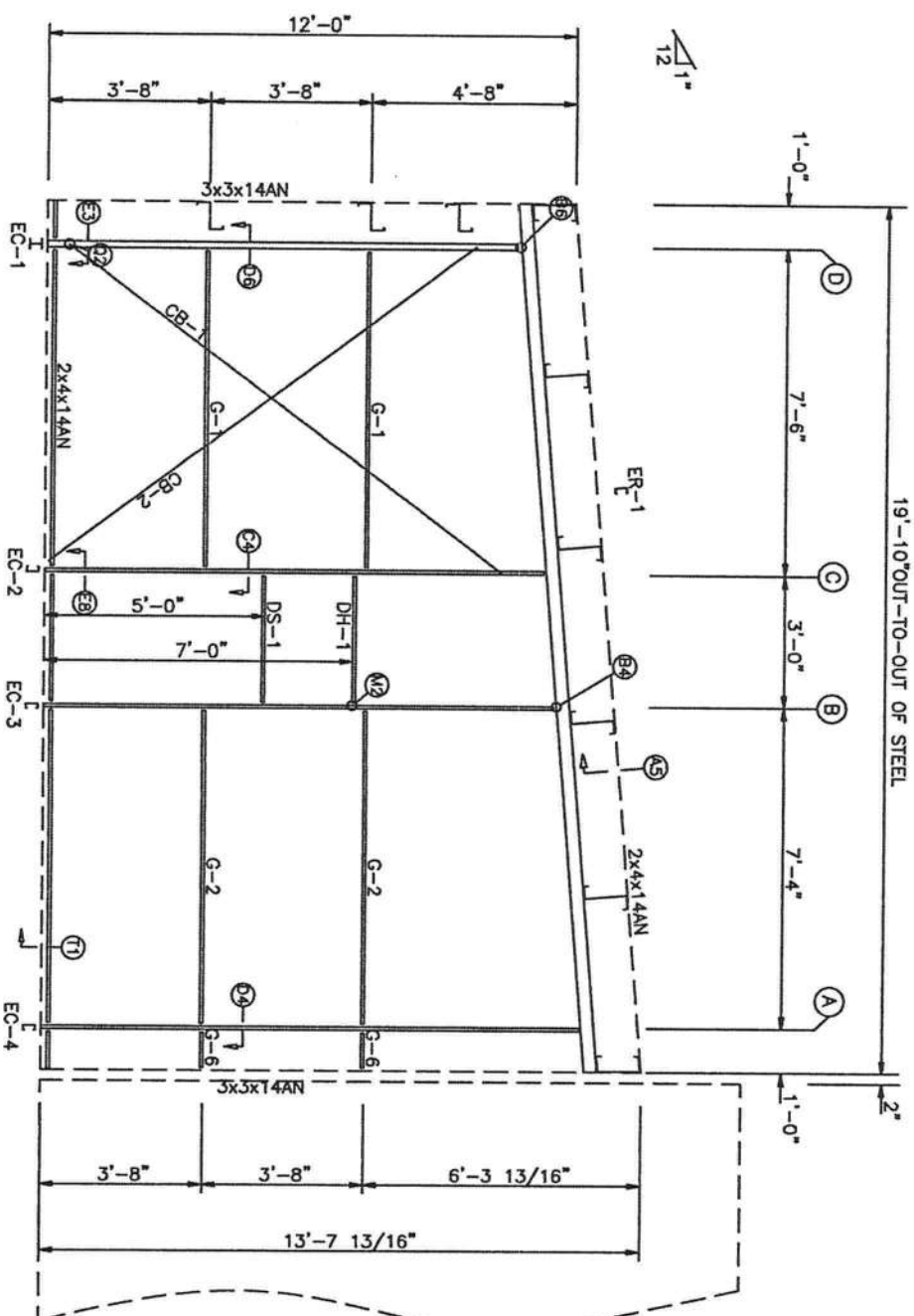
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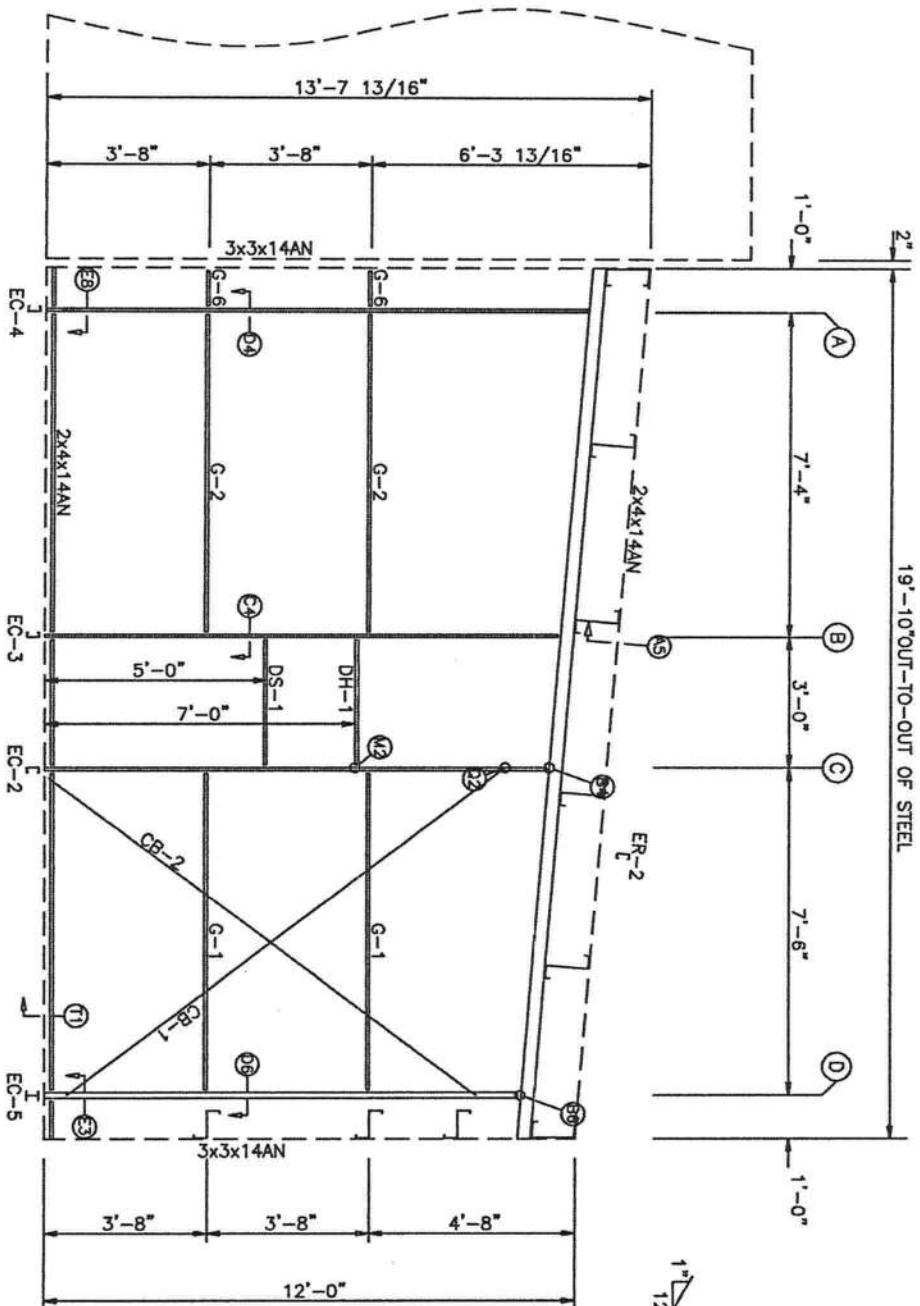
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1/28/08

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

MEMBER TABLE		
FRAME LINE	1 & 2	LENGTH
MARK	PART	
EC-1	B8X11.9	10'-1 15/16"
EC-2	8X35C14	10'-9 7/16"
EC-3	8X35C14	11'-0 7/16"
EC-4	8X35C14	11'-7 3/4"
EC-5	B8X11.9	10'-1 15/16"
ER-1	8X35C14	19'-11 1"
ER-2	8X35C14	19'-11 1"
DH-1	8X35C14	3'-0"
DS-1	8X35C14	3'-0"
G-1	8x25Z16	6'-9 1/2"
G-2	8x25Z16	6'-11 1/2"
G-6	8x25Z16	0'-7 1/2"
CB-1	1/4 CBL	12'-3 9/16"
CB-2	1/4 CBL	12'-2 1/8"



ENDWALL FRAMING: FRAME LINE 1

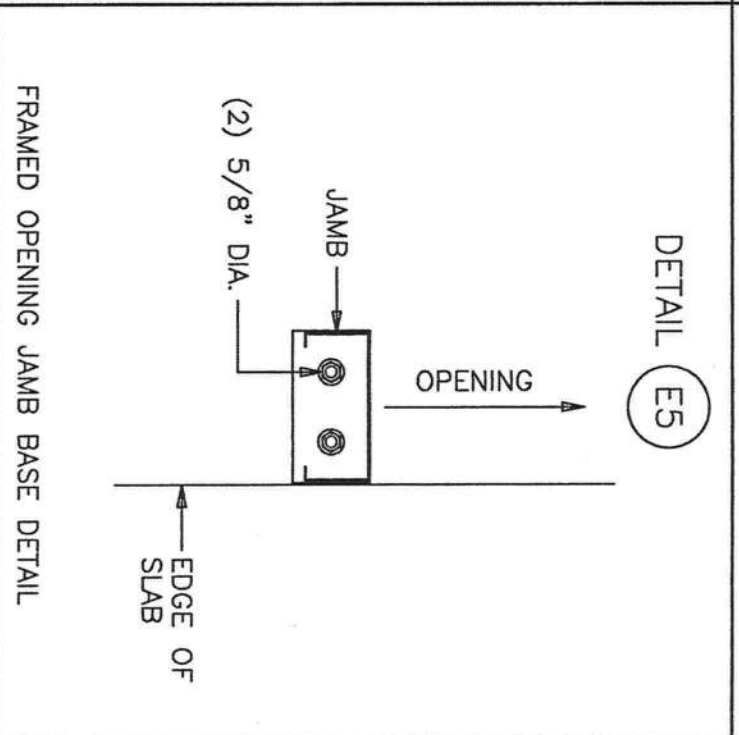
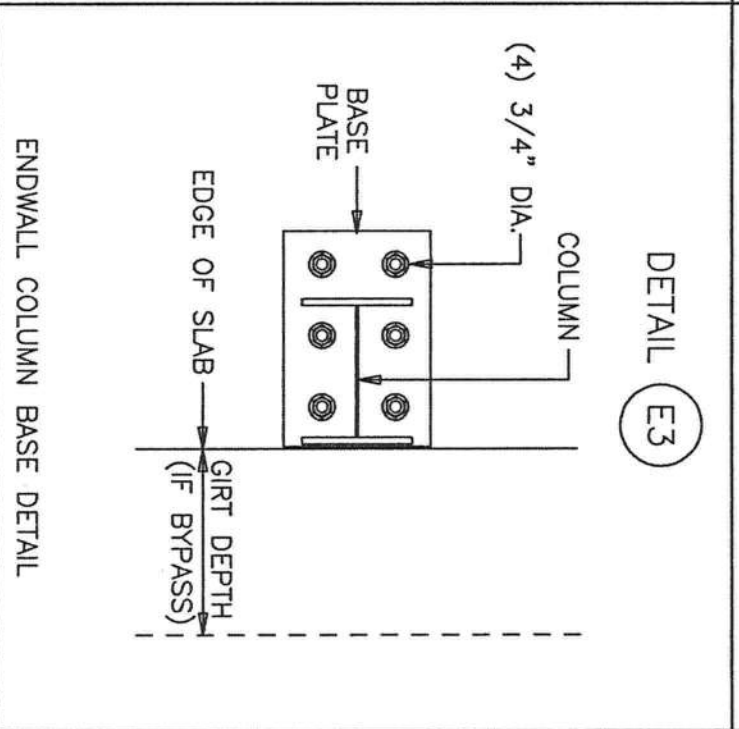
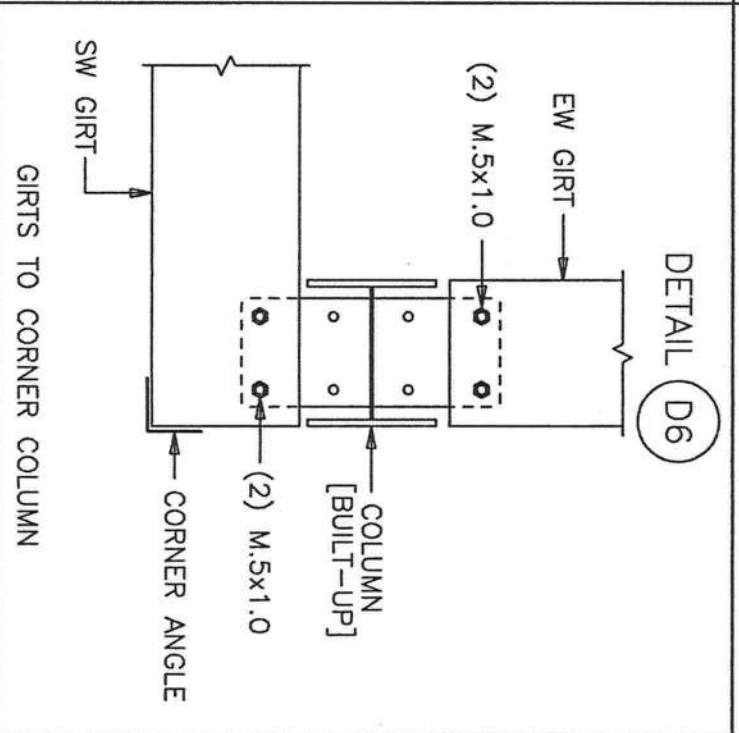
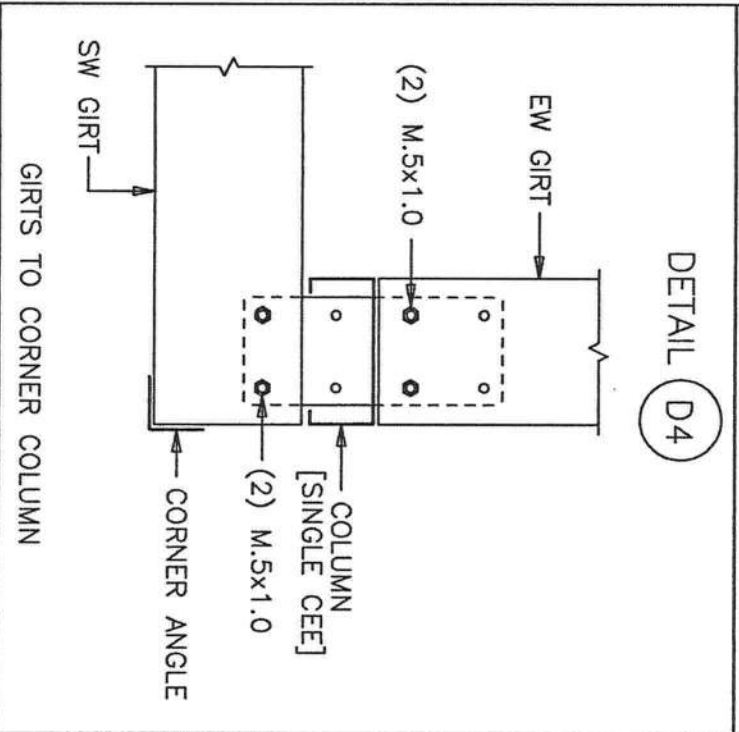
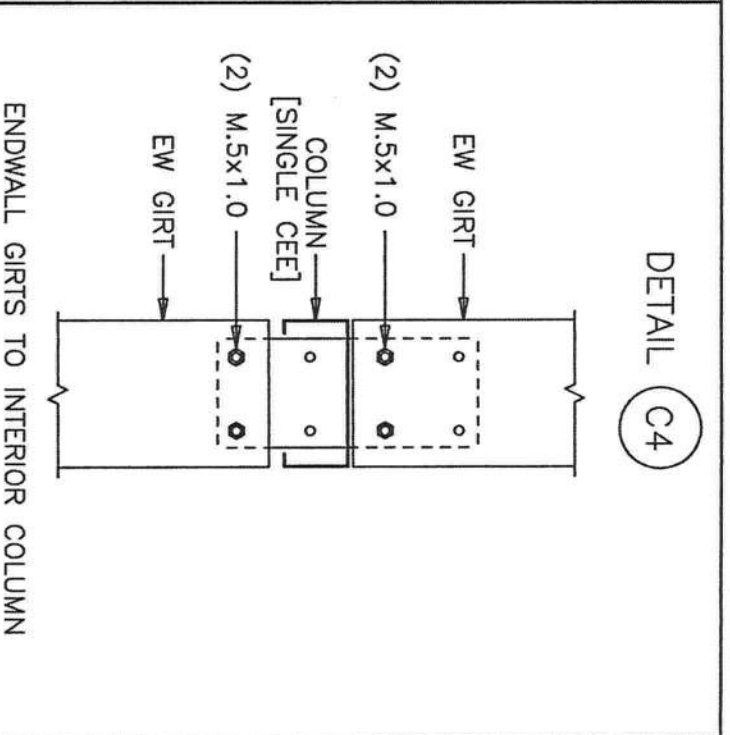
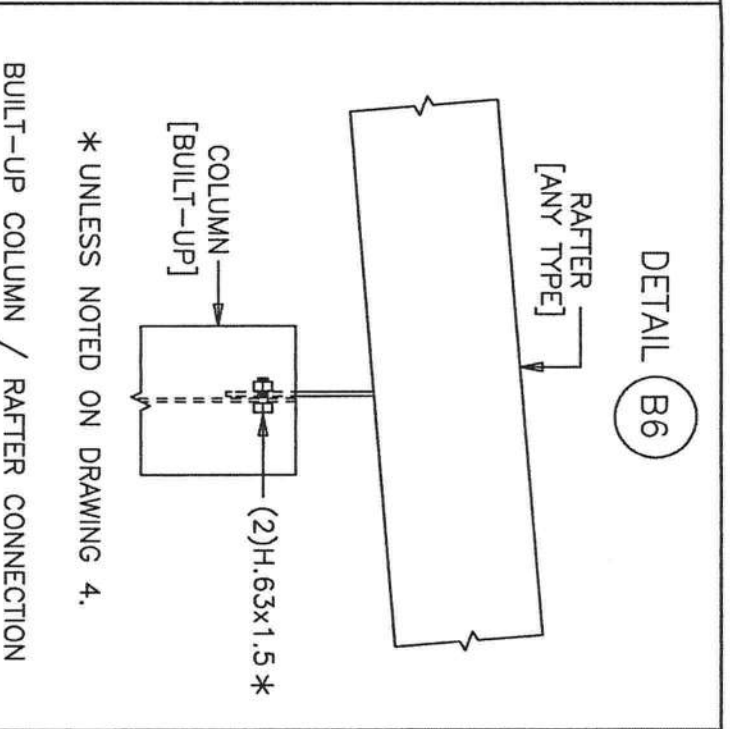
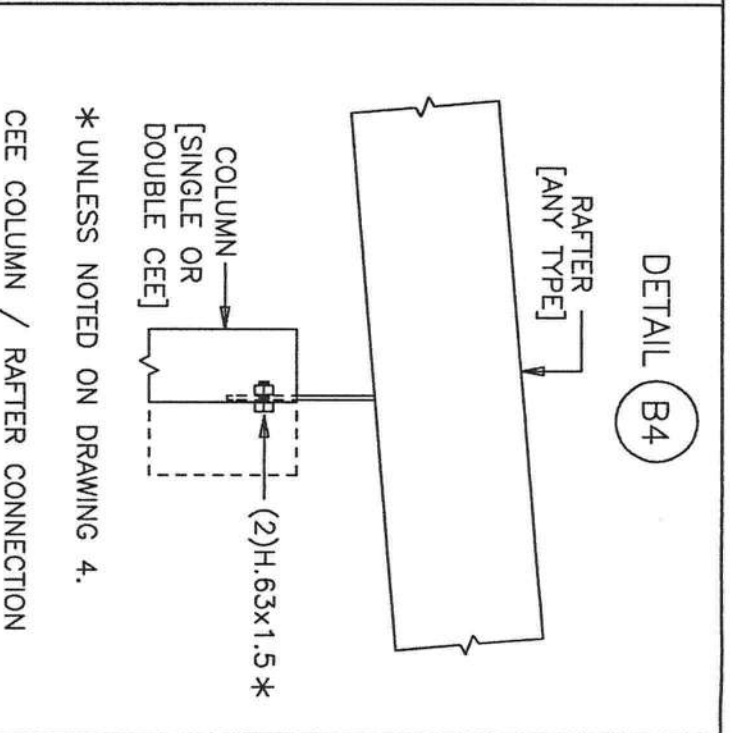
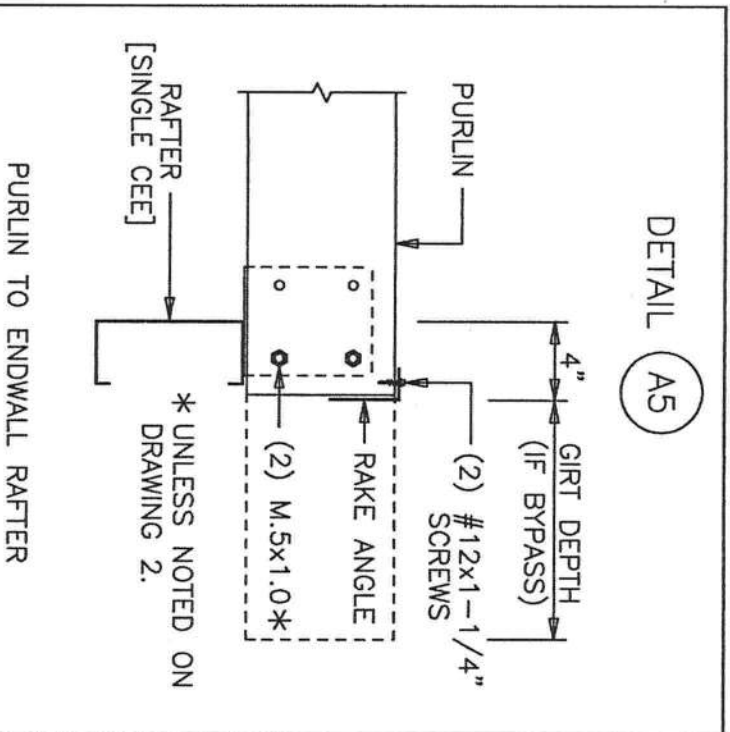


ENDWALL FRAMING: FRAME LINE 2

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CUSTOMER:		RACINE CONSTRUCTION CO.	
JOB NO:		08-01-012B	
LOCATION:		LAKE CITY, FL	
DRAWING NAME:		ENDWALL FRAMING LAYOUT	
DRAWING NO:		PAGE 4	
SCALE:		NONE	
CHECKED BY:		CFR	
DATE:		1/28/08	
REVISIONS			
[1]			
[2]			
[3]			

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SBS STEEL BUILDING SYSTEMS INC.

CUSTOMER:
RACINE CONSTRUCTION CO.

JOB NO.: 08-01-012B
DATE: 1/28/08

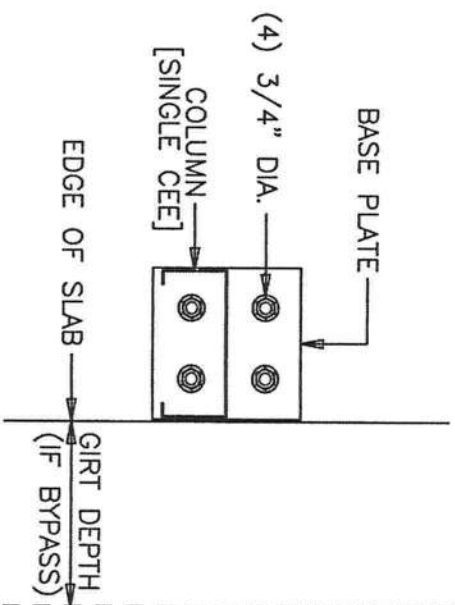
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DRAWING NAME: FRAMING DETAILS

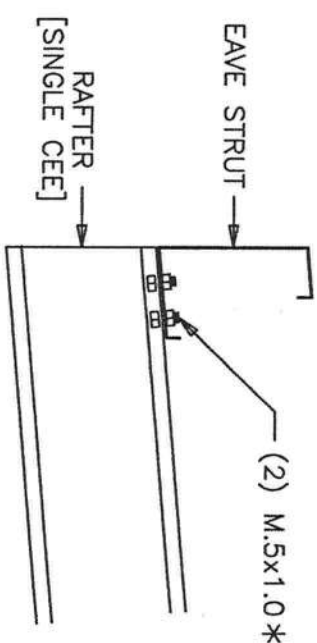
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CHECKED BY:

STRUCTURAL STAMP

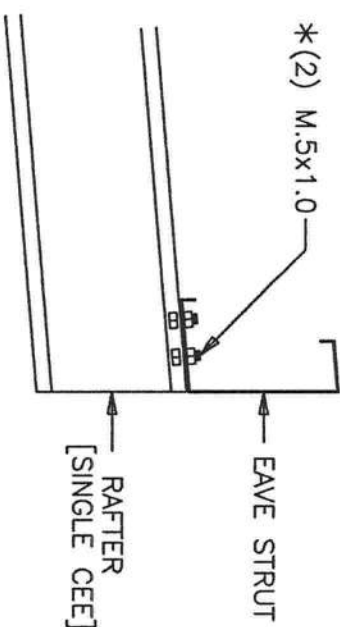
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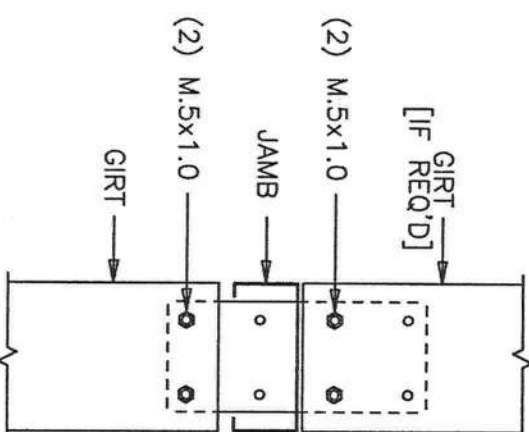
ENDWALL COLUMN BASE DETAIL



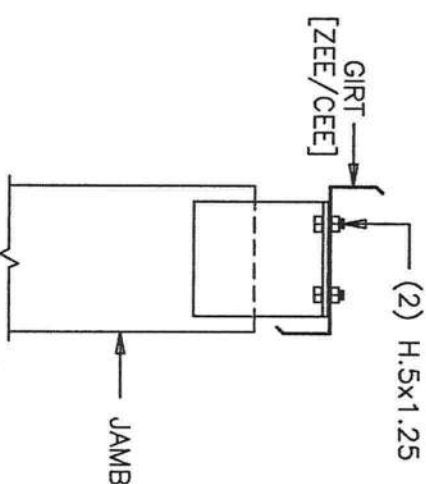
EAVE STRUT CONNECTION AT ENDWALL



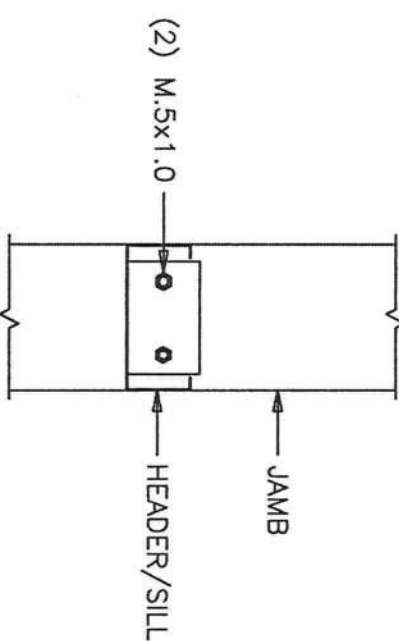
EAVE STRUT CONNECTION AT ENDWALL



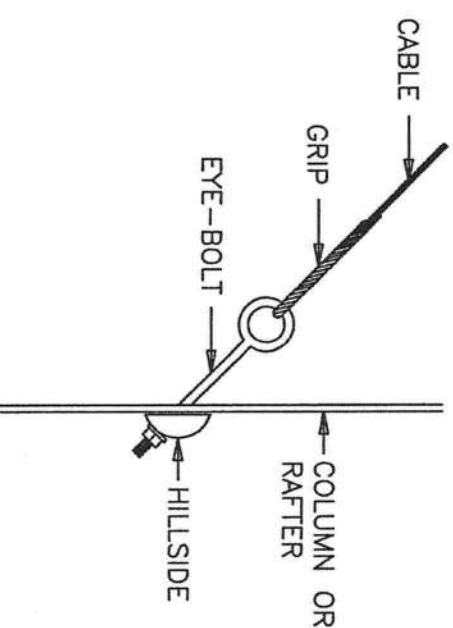
GIRTS TO JAMB



FRAMED OPENING JAMB TO GIRT



FRAMED OPENING HEADER/SILL TO JAMB



CABLE INSTALLATION DETAIL

FOR A SPIKER
P.O. BOX 7761
LAKELAND, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

SSB STEEL BUILDING SYSTEMS INC.

CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012B DATE: 1/28/08

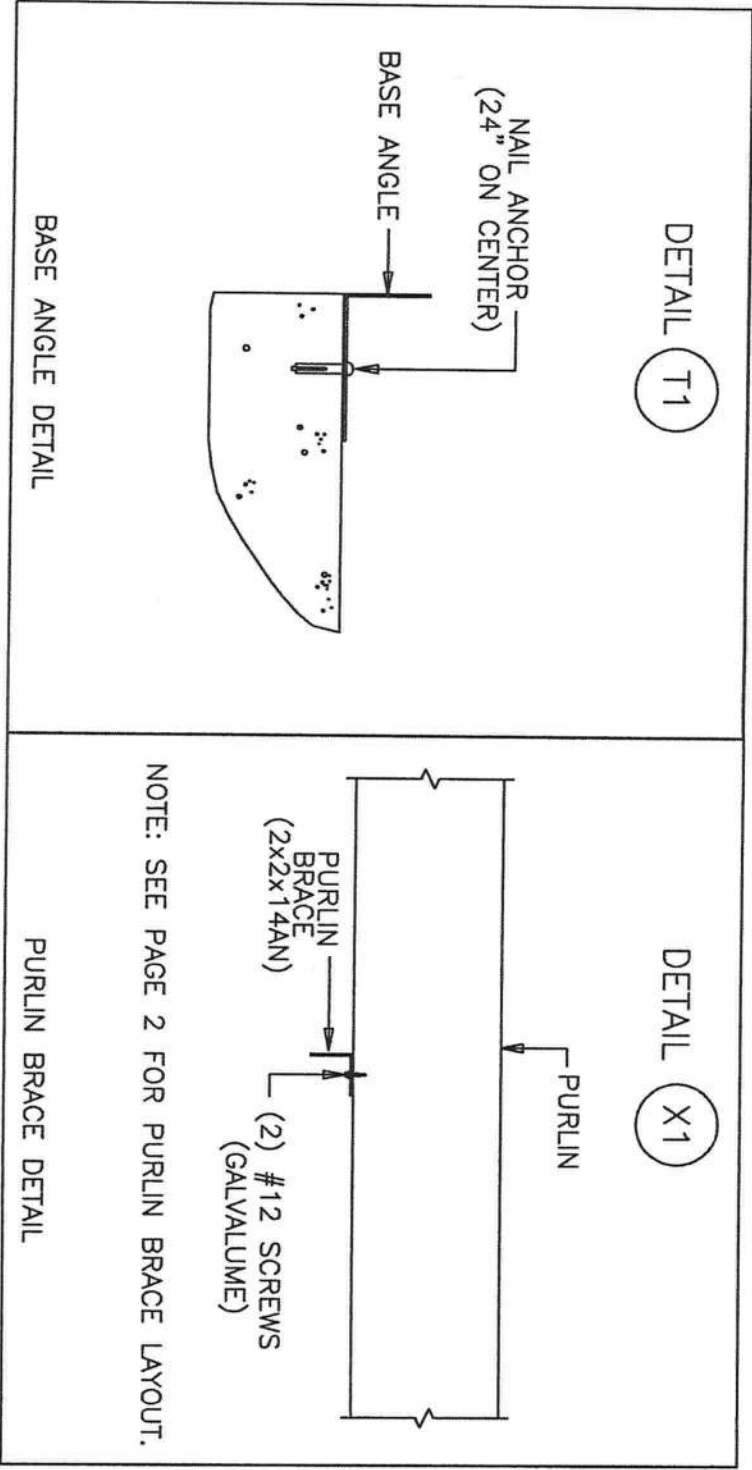
LOCATION: LAKE CITY, FL

DRAWING NAME: FRAMING DETAILS

DRAWING NO: PAGE 5.1

STRUCTURAL STAMP

Handwritten signature and date 1/28/08



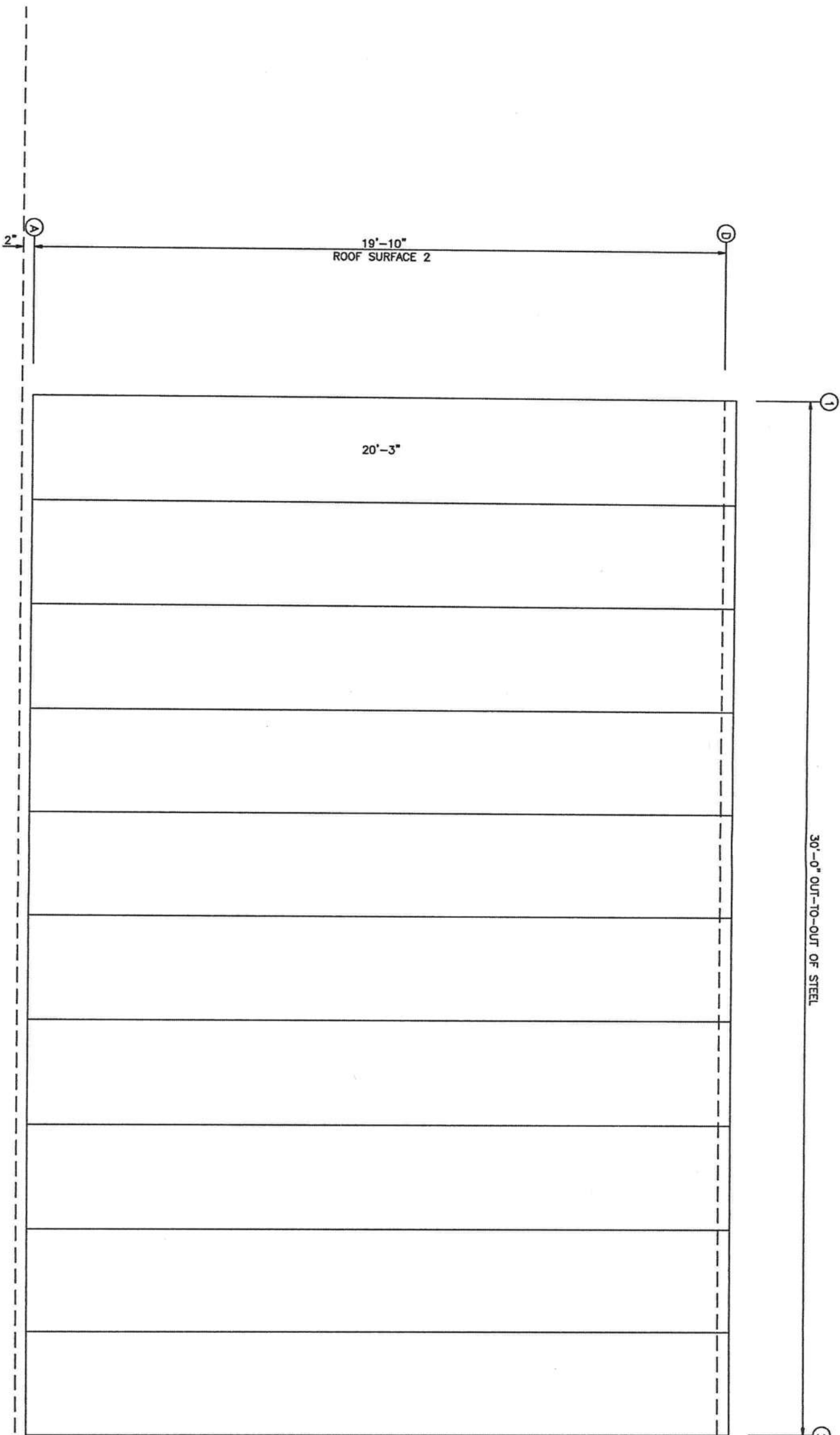
NOTE: SEE PAGE 2 FOR PURLIN BRACE LAYOUT.

CUSTOMER: RACINE CONSTRUCTION CO.			
JOB NO:	08-01-012B	DATE:	1/28/08
LOCATION:	LAKE CITY, FL		
DRAWING NAME:	FRAMING DETAILS		
DRAWING NO:	PAGE 5.2	DRAWN BY:	CFR
SCALE:	NONE		
CHECKED BY:			

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1/29/08

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ROOF SHEETING PLAN
PANELS: 26 GA. R - GALVALUME



CUSTOMER:
RACINE CONSTRUCTION CO.

JOB NO:
08-01-012B

DATE:
1/28/08

LOCATION:
LAKE CITY, FL

DRAWING NAME:
ROOF PANELS & TRIM

DRAWN BY:
CFR

SCALE:
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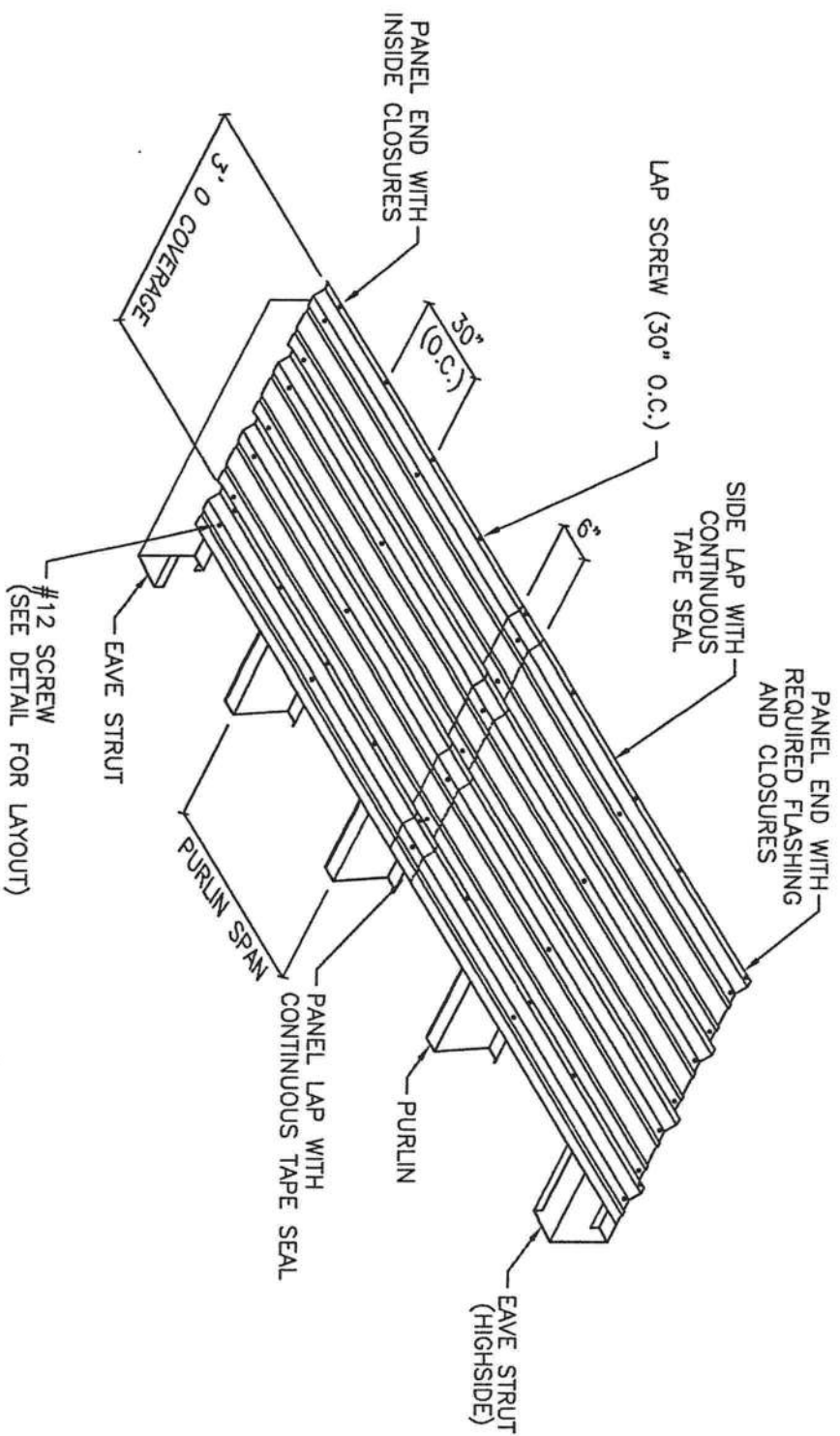
REVISIONS	
[1]	
[2]	
[3]	

DRAWING NO:
PAGE 6

CHECKED BY:

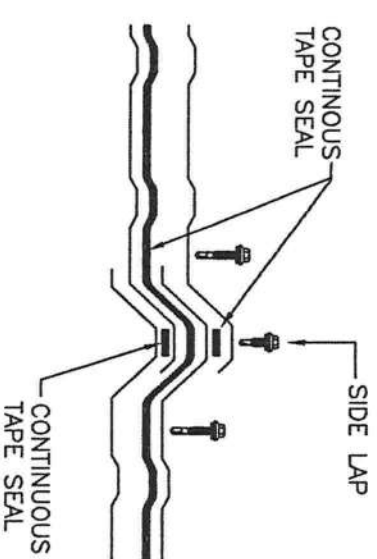
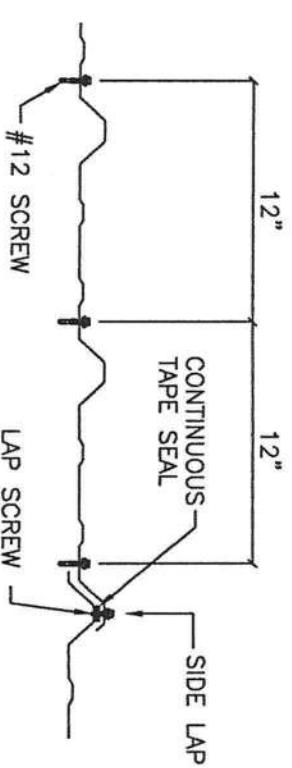
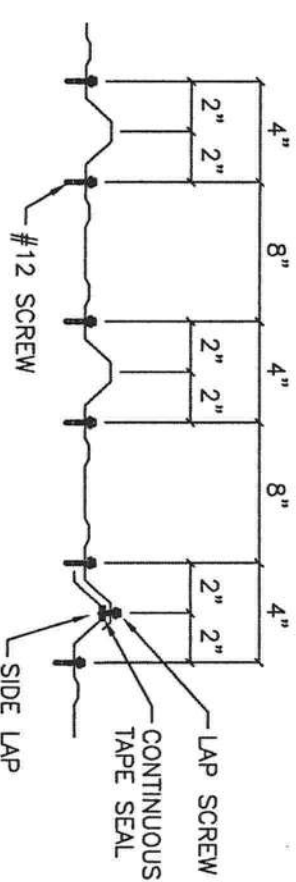
STRUCTURAL STAMP

[Handwritten signature]
1/28/08



NOTES:

- [1] ALL END LAPS MUST BE A MINIMUM OF 6".
- [2] METAL SHAVINGS MUST BE SWEEP FROM THE ROOF EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.
- [3] TAPE SEAL MUST BE APPLIED WITH NO GAPS OR BREAKS.
- [4] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE STRUCTURALS. LAP SCREWS ARE USED AT THE PANEL TO PANEL ATTACHMENTS. THESE FASTENERS ARE SELF-DRILLING.



TAPE SEAL AT END LAP AND PANEL LAP

ROY A. SPIKER
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FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP



CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012B DATE: 1/28/08

LOCATION: LAKE CITY, FL

DRAWING NAME: ROOF PANEL DETAILS

DRAWING NO: PAGE 6.1

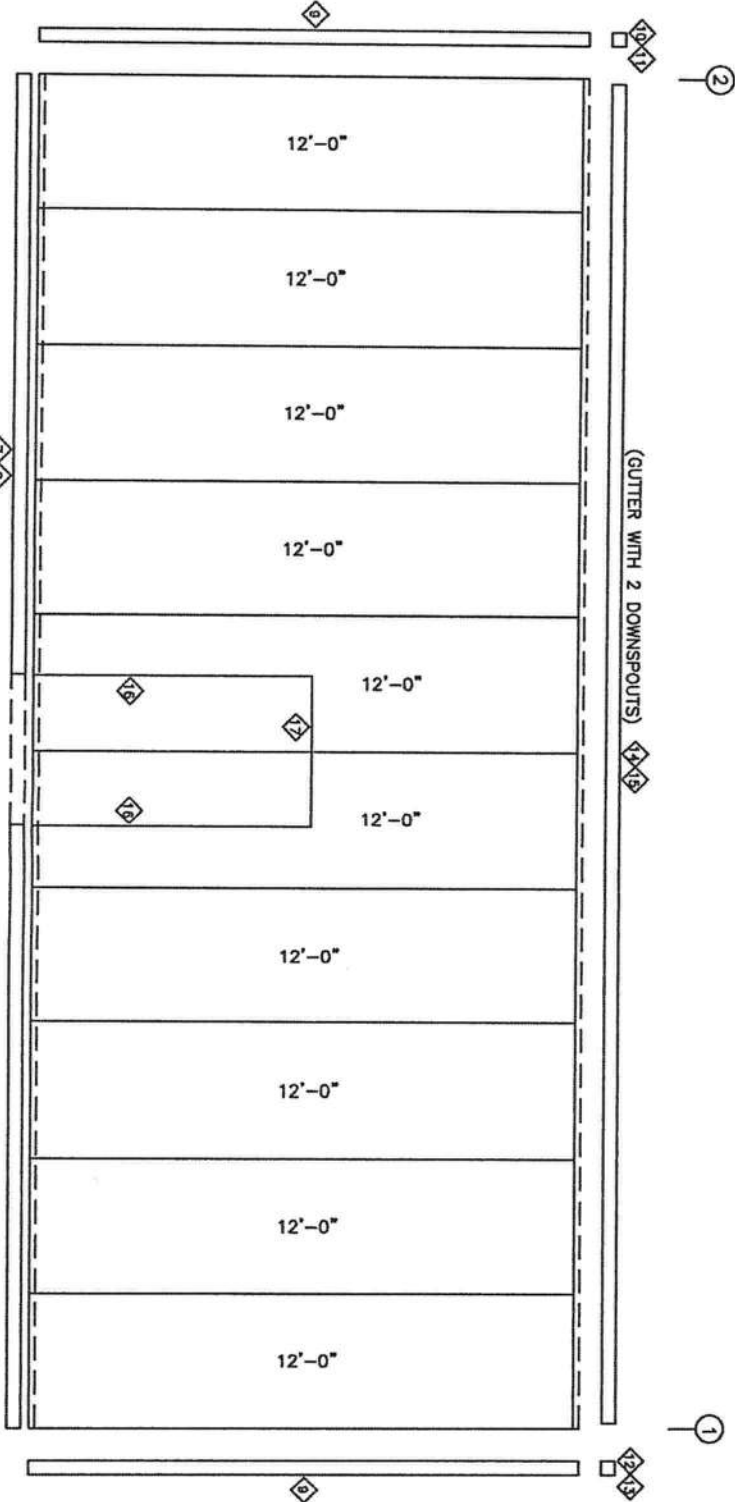
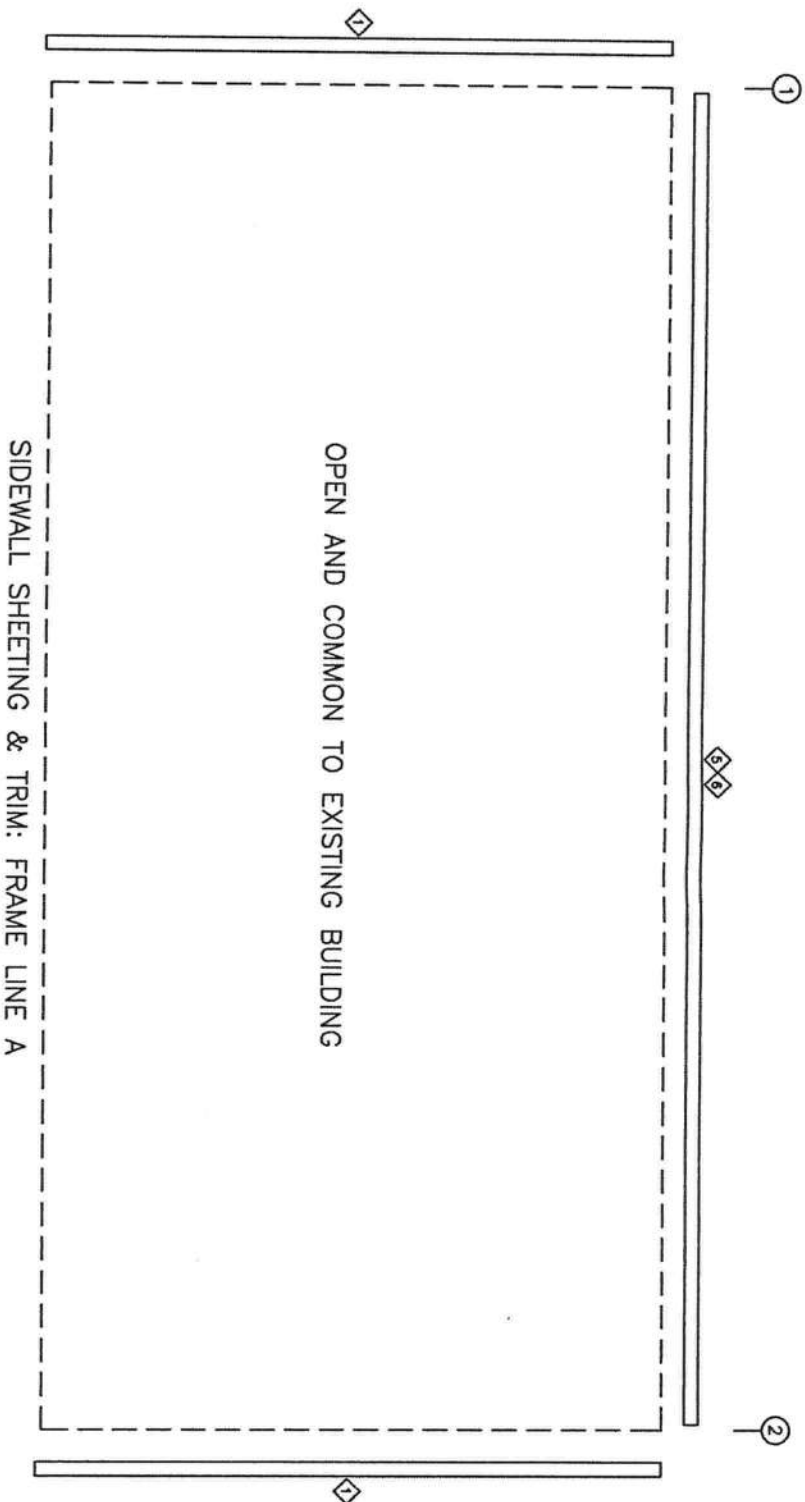
DRAWN BY: CFR

SCALE: NONE

CHECKED BY:

1/28/08

TRIM TABLE		
FRAME LINE A & D		
ID	PART	LENGTH
1	I/S CORN	13'-8"
5	L FLASH	20'-3"
6	L FLASH	10'-0"
7	BASE TRM	20'-3"
8	BASE TRM	10'-0"
9	O/S CORN	12'-0"
10	GUTEND L	
11	CORBOX L	
12	GUTEND R	
13	CORBOX R	
14	GUTTER	20'-3"
15	GUTTER	10'-0"
16	R JAMB	7'-5"
17	R HEAD	3'-7"



SIDEWALL SHEETING & TRIM: FRAME LINE D
PANELS: 26 GA. R - ASH GRAY

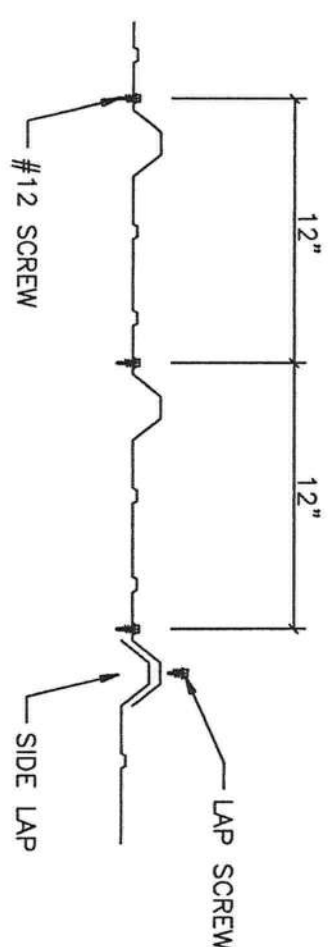
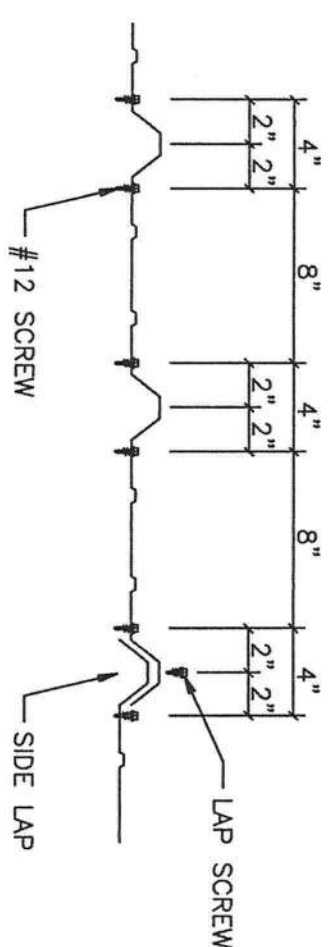
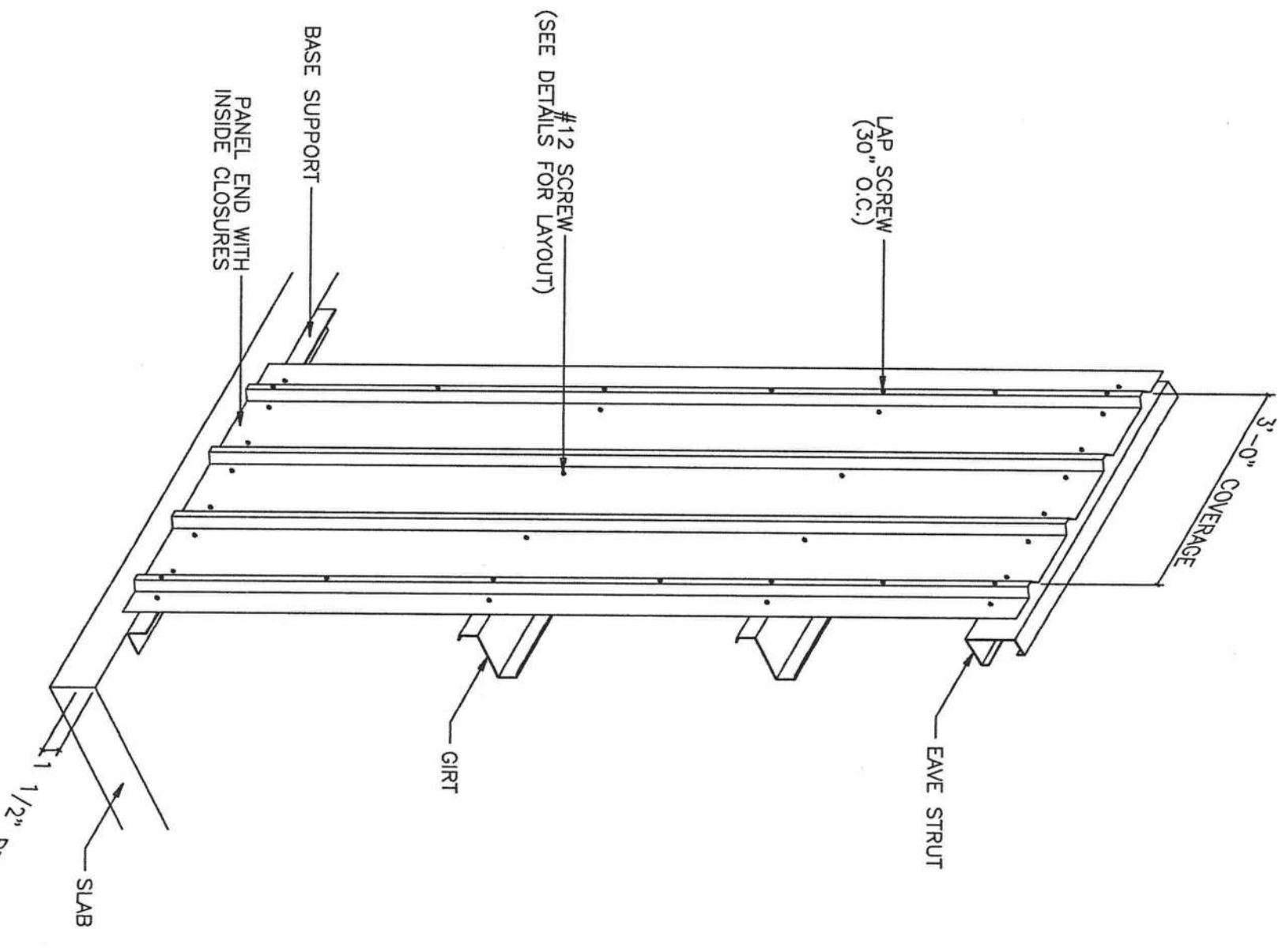
EBBS Steel Building Systems Inc.
CUSTOMER:
RACINE CONSTRUCTION CO.
JOB NO.: 08-01-012B
LOCATION: LAKE CITY, FL
DATE: 1/28/08

REVISIONS	
[1]	LOCATION: LAKE CITY, FL
[2]	DRAWING NAME: SIDEWALL PANELS & TRIM
[3]	DRAWING NO.: PAGE 7

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STRUCTURAL STAMP

[Signature]
1/28/08



DETAIL AT INTERIOR OF PANEL

DETAIL AT HEADER/SILL

DETAIL AT PARTIAL WALL

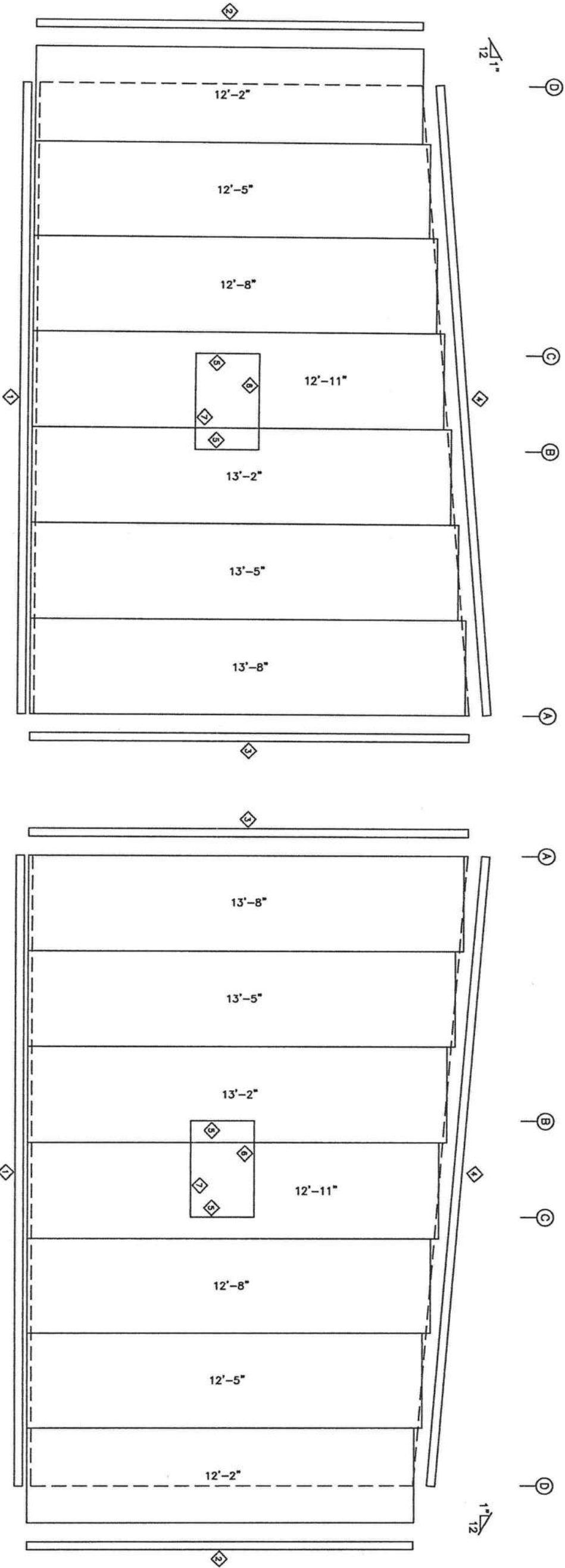
ROY A. SPIKER
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PHONE (229) 387-6696
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

 STEEL BUILDING SYSTEMS INC.			
CUSTOMER: RACINE CONSTRUCTION CO.			
JOB NO: 08-01-012B		DATE: 1/28/08	
[1]	LOCATION: LAKE CITY, FL		
[2]	DRAWING NAME: SIDEWALL PANEL DETAILS		SCALE: NONE
[3]	DRAWING NO: PAGE 7.1	DRAWN BY: CFR	CHECKED BY:
REVISIONS			

STRUCTURAL STAMP

[Signature]

TRIM TABLE		
FRAME LINE 1 & 2		
ID	PART	LENGTH
1	BASE TRM	20'-0"
2	O/S CORN	12'-0"
3	I/S CORN	13'-8"
4	RAKE TRM	20'-1"
5	R JAMB	2'-3"
6	R HEAD	3'-3"
7	R HEAD	3'-0"



ENDWALL SHEETING & TRIM: FRAME LINE 1
PANELS: 26 GA. R - ASH GRAY

ENDWALL SHEETING & TRIM: FRAME LINE 2
PANELS: 26 GA. R - ASH GRAY

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FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

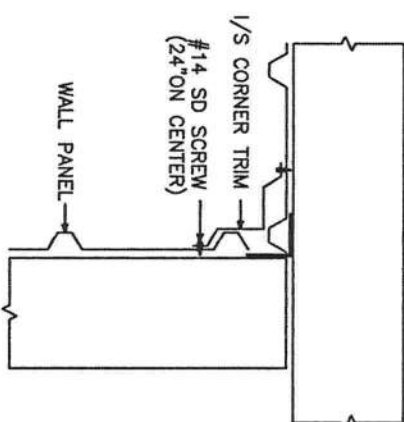
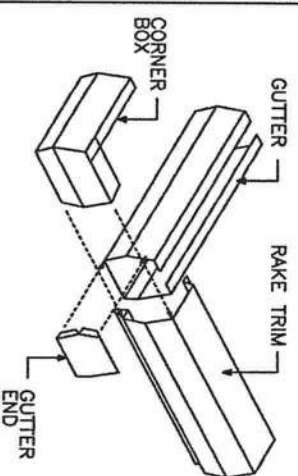
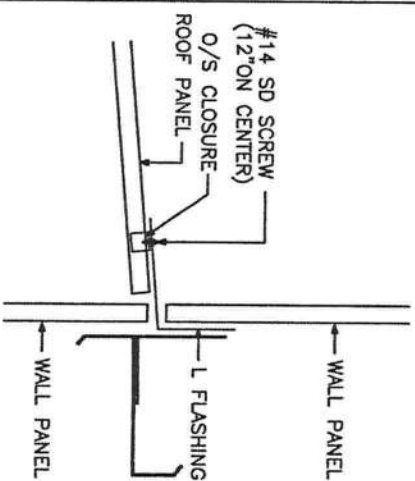
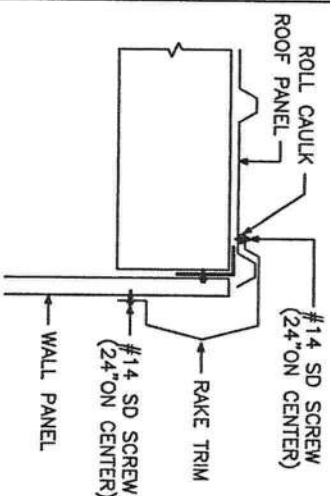


CUSTOMER:
RACINE CONSTRUCTION CO.

JOB NO.: 08-01-012B
LOCATION: LAKE CITY, FL
DATE: 1/28/08

REVISIONS	
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[2]	DRAWING NO.: PAGE 8
[3]	DRAWN BY: CFR

Handwritten signature and date 1/28/08.



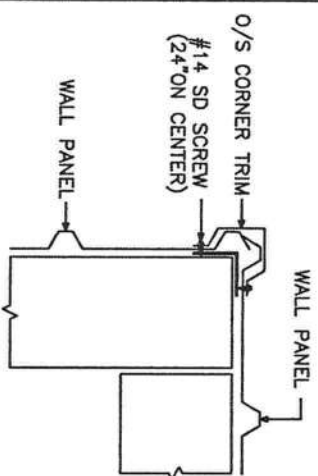
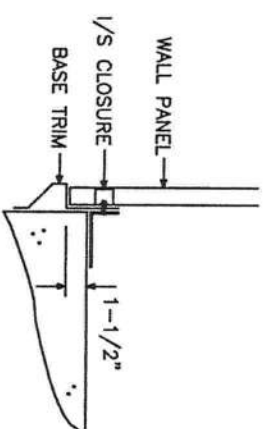
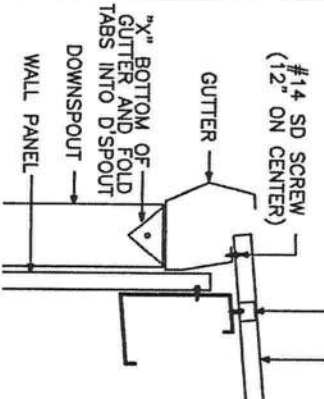
RAKE TRIM DETAIL

L FLASHING DETAIL

GUTTER END DETAIL

I/S CORNER DETAIL

ROOF PANEL
I/S CLOSURE



TRIM NOTES:

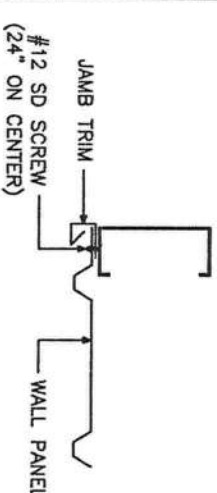
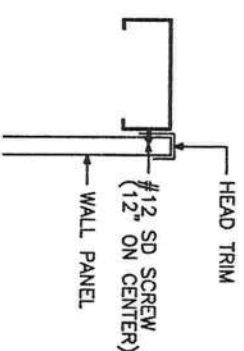
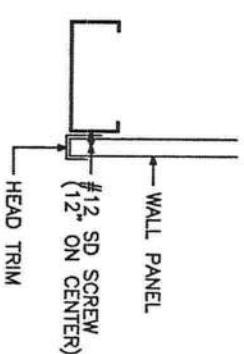
- [1] SEAL TRIM SPLICES WITH TUBE CAULK.
- [2] SECURE GUTTER SPLICES AND END PLUGS WITH RIVETS.
- [3] SECURE ALL OTHER ROOF TRIM SPLICES WITH TRIM SCREWS UNLESS NOTED OTHERWISE.
- [4] TRIM SCREWS ARE LOCATED 24" ON CENTER UNLESS NOTED OTHERWISE.

NOTE: INSTALL GUTTER STRAPS 3'0" ON CENTER.
NOTE: INSTALL D'SPOUT STRAPS 5'0" ON CENTER.

GUTTER DETAIL

BASE TRIM DETAIL

O/S CORNER DETAIL



HEAD TRIM DETAIL AT HEADER

HEAD TRIM DETAIL AT SILL

JAMB TRIM DETAIL AT JAMB



CUSTOMER:
RACINE CONSTRUCTION CO.

JOB NO: 08-01-012B DATE: 1/28/08

LOCATION: LAKE CITY, FL

DRAWING NAME: TRIM DETAILS

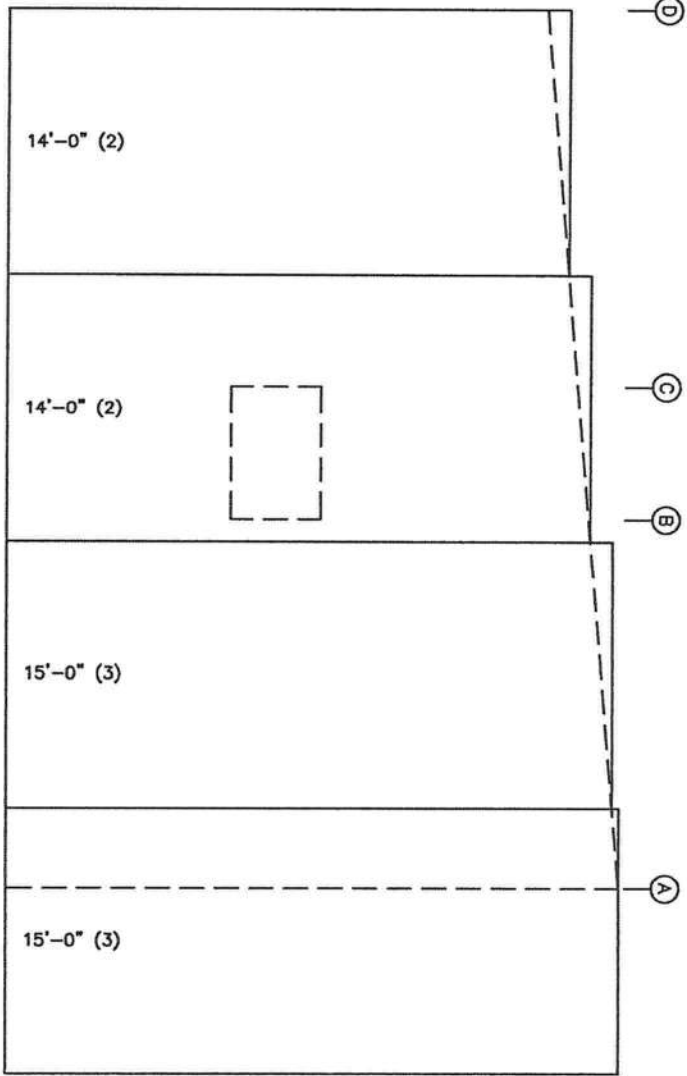
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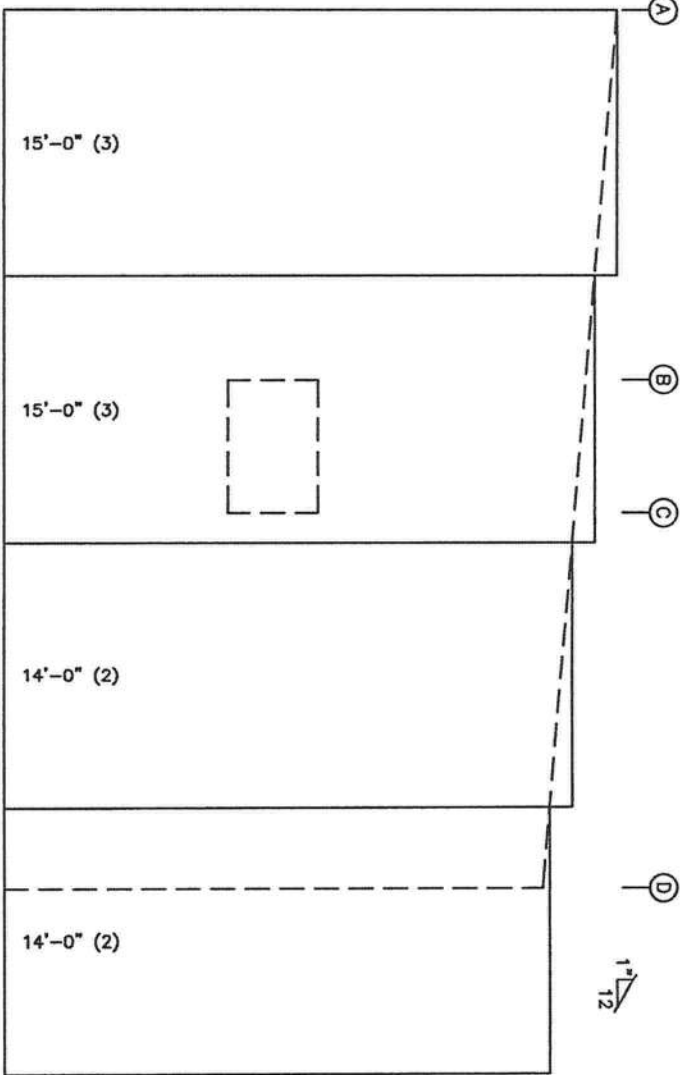
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STRUCTURAL STAMP

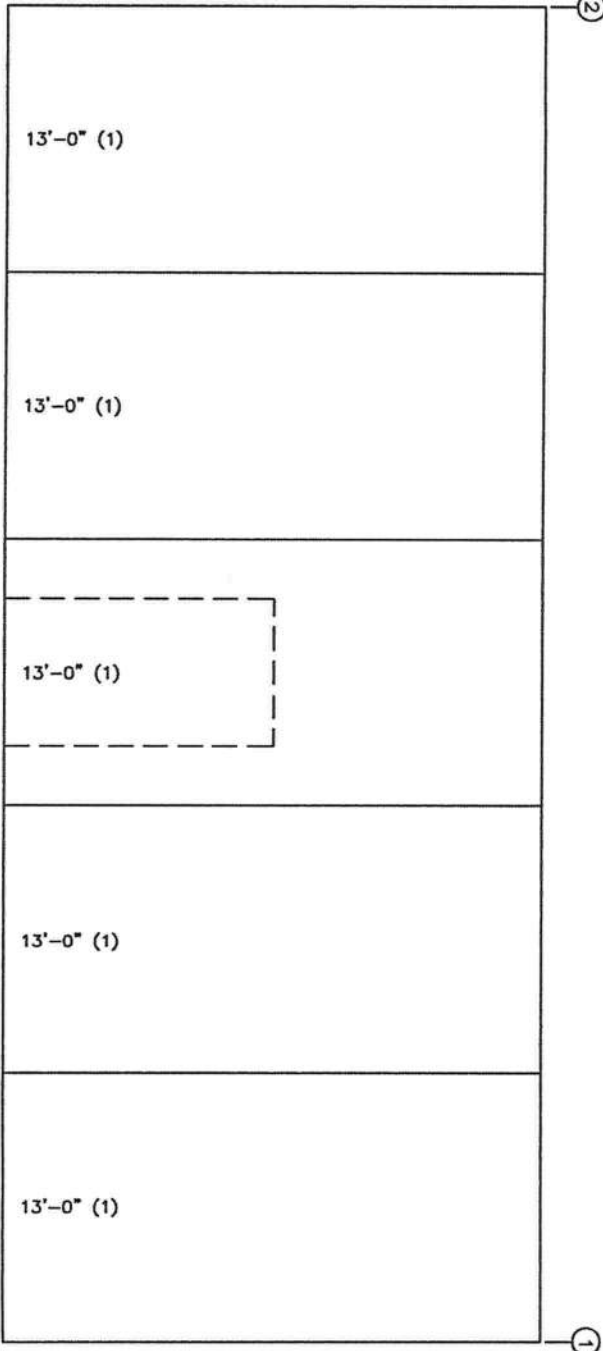
ROY A. SPIKER
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FAX (229) 387-6696
FLA. P.E. REG. NO. 42283



ENDWALL INSULATION: FRAME LINE 1



ENDWALL INSULATION: FRAME LINE 2



SIDEWALL INSULATION: FRAME LINE D

WALL INSULATION TABLE					
FRAME LINE 1 2 D					
ROLL	QUAN	MARK	WIDTH	LENGTH	
1	5	WI-1	6'-0"	13'-0"	
2	4	WI-2	6'-0"	14'-0"	
3	4	WI-3	6'-0"	15'-0"	

LEGEND:
13'-0" (1)
LENGTH (ROLL #)

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FLA. P.E. REG. NO. 42289

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CUSTOMER:
RACINE CONSTRUCTION CO.

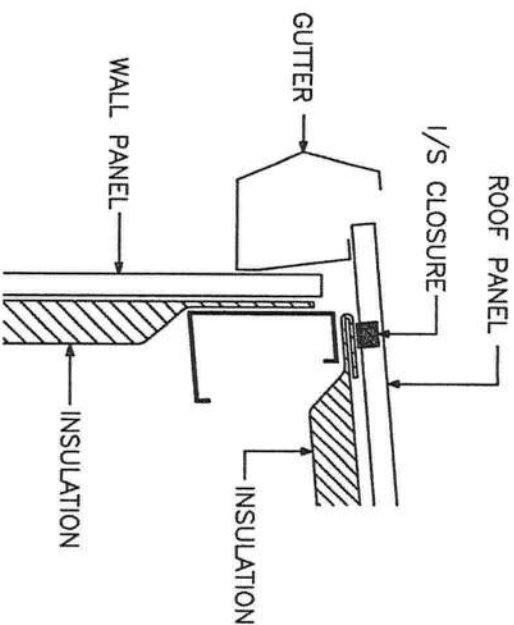
JOB NO: 08-01-012B
DATE: 1/28/08

LOCATION:
LAKE CITY, FL

DRAWING NAME:
INSULATION LAYOUT

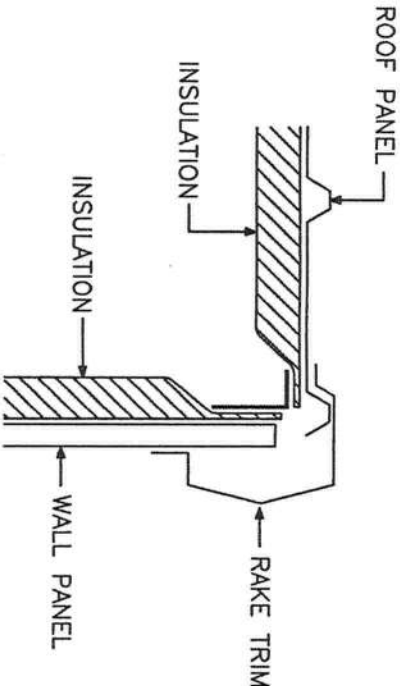
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11/26/08

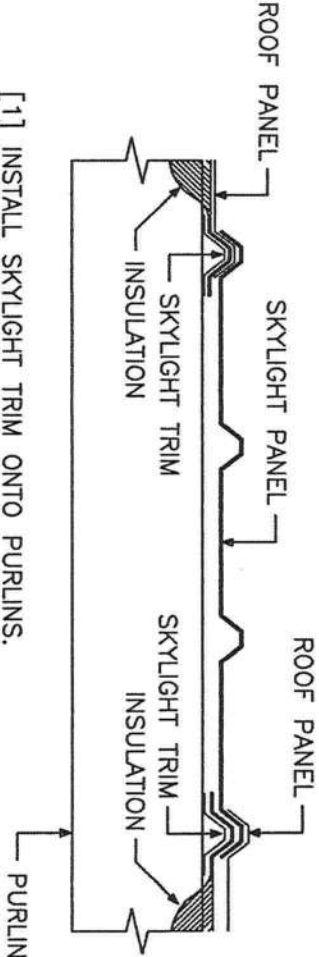


EAVE DETAIL

NOTE: FOLD ROOF INSULATION BACK 3" TO 6".

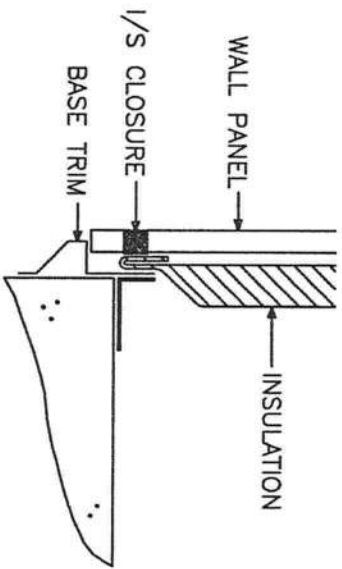


RAKE DETAIL



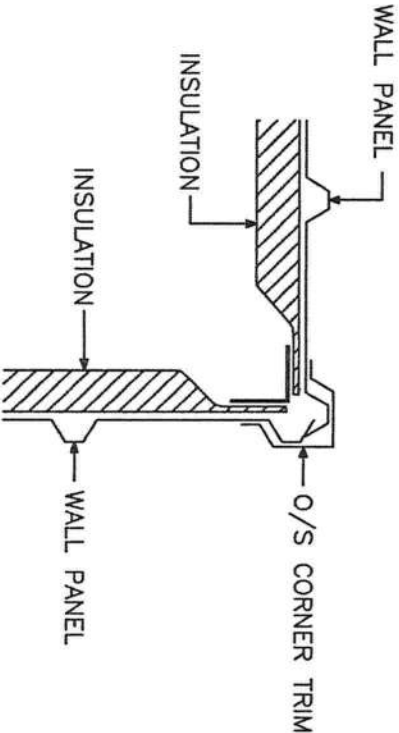
- [1] INSTALL SKYLIGHT TRIM ONTO PURLINS.
- [2] INSTALL INSULATION OVER SKYLIGHT TRIM.
- [3] INSTALL ROOF PANEL AND SKYLIGHT PANEL OVER INSULATION.
- [4] CUT OUT INSULATION FLUSH TO SKYLIGHT TRIM WITH A RAZOR KNIFE.

SKYLIGHT TRIM DETAIL



BASE DETAIL

NOTE: FOLD INSULATION BACK 3" TO 6".



CORNER DETAIL

CAUTION: FAILURE TO FOLD FACING OF INSULATION BACK FROM THE PANEL EDGE AT THE BASE AND EAVE COULD RESULT IN PANEL DAMAGE AND WILL VOID THE PANEL WARRANTY.

SBS STEEL BUILDING SYSTEMS INC.

CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012B

DATE: 1/28/08

LOCATION: LAKE CITY, FL

DRAWING NAME: INSULATION DETAILS

DRAWING NO: PAGE 10.1

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SCALE: NONE

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STRUCTURAL STAMP

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FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

[Handwritten Signature]

DESIGN CRITERIA

Width (ft)	= 70.0
Length (ft)	= 200.0
Eave Height (ft)	= 16.0/16.0
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)	= 0.1370
Mapped Response (S1)	= 0.0700
Design Category (SDC)	= B
Importance - Seismic	= 1.00
Site Coeff (Fd)	= 1.6000
Site Coeff (Fv)	= 2.4000
Design Response (Sms)	= 0.2192
Design Response (Sm1)	= 0.1680
Design Response (Sds)	= 0.1461
Design Response (Sd1)	= 0.1120
Res Mod Factor (Mom) R	= 3.5
App Period (Moment) Ta	= 0.2266
Res Mod Factor (Brc) R	= 5.0
App Period (Braced) Ta	= 0.1420

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

Structural Steel	
ASTM# (Plate)	= A1011
Plate Yield (Fy)	= 50.0 ksi
ASTM# (Bar)	= A592
Plate Yield (Fy)	= 50.0 ksi
Light Gage Steel	
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 SHORTAGES 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.

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
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STRUCTURAL STAMP

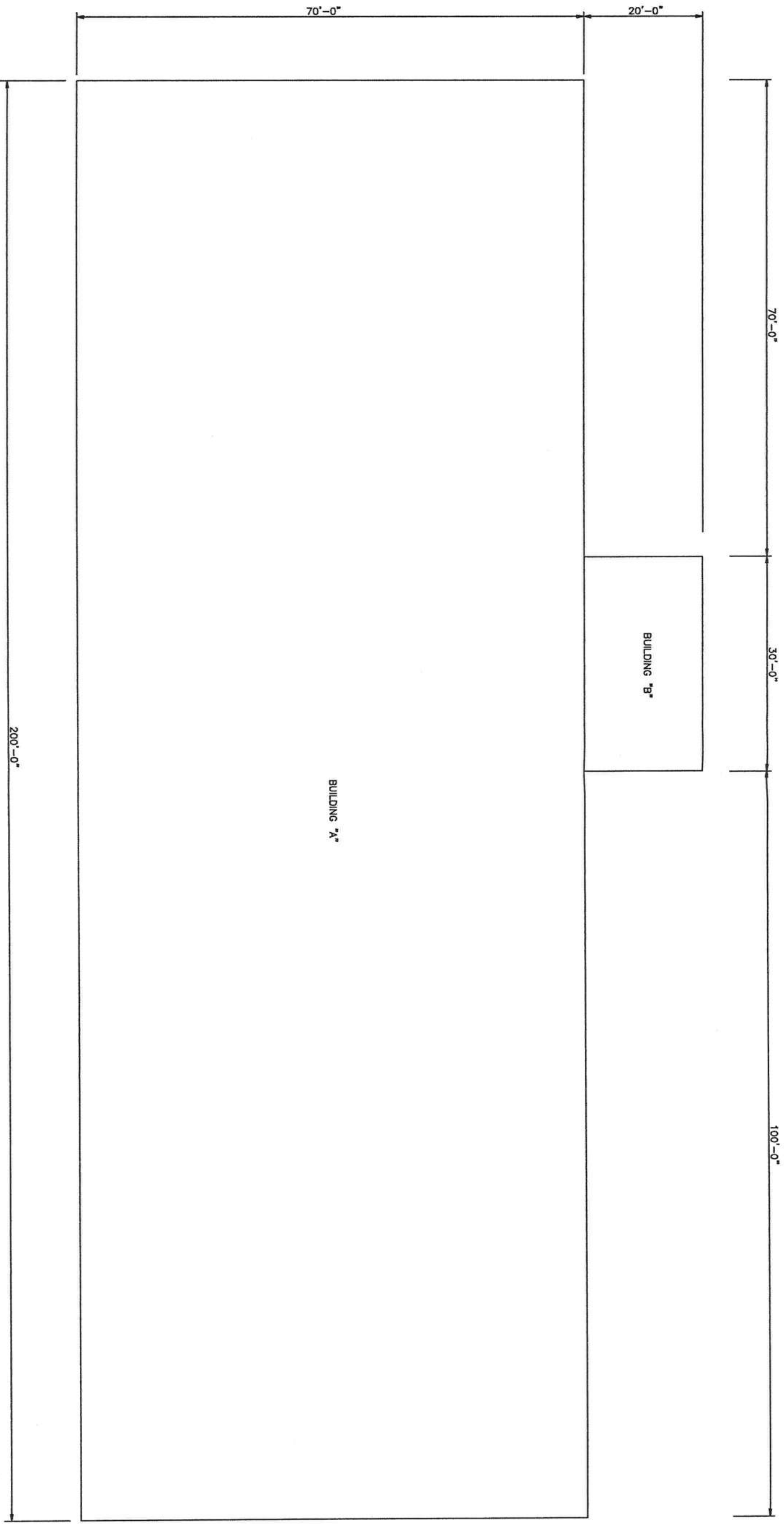
FROM : **STEEL BUILDING SYSTEMS INC.**
320 STEVENS LANE • P.O. BOX 447
ADEL, GEORGIA 31620
PH: 229.896.7428 • FAX: 229.896.2881 • www.sbsga.com

FOR : **RACINE CONSTRUCTION CO.**
2729 SUMMERALL AVENUE
JACKSONVILLE, FLORIDA 32207
LOCATION: DELAND, FLORIDA

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

REVIEWED BY
FRANK HOLAS & ASSOC.
☒ APPROVED
☐ APPROVED AS NOTED
☐ REJECTED - RESUBMIT
DATED 3/2/08

FILE COPY



NOTE: THE PURPOSE OF THE PROJECT LAYOUT PLAN IS TO SHOW THE RELATIONSHIP AND ORIENTATION OF THE VARIOUS BUILDINGS WHICH MAKE UP THE PROJECT.

THE PROJECT LAYOUT PLAN IS NOT TO BE USED TO LAYOUT, FORM UP, OR POUR, THE FOUNDATIONS AND/OR SLABS.

PROJECT LAYOUT PLAN

ROY A. SPIKER
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PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289



CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012A

LOCATION: LAKE CITY, FL

DRAWING NAME: PROJECT LAYOUT PLAN

DRAWING NO: PAGE 1

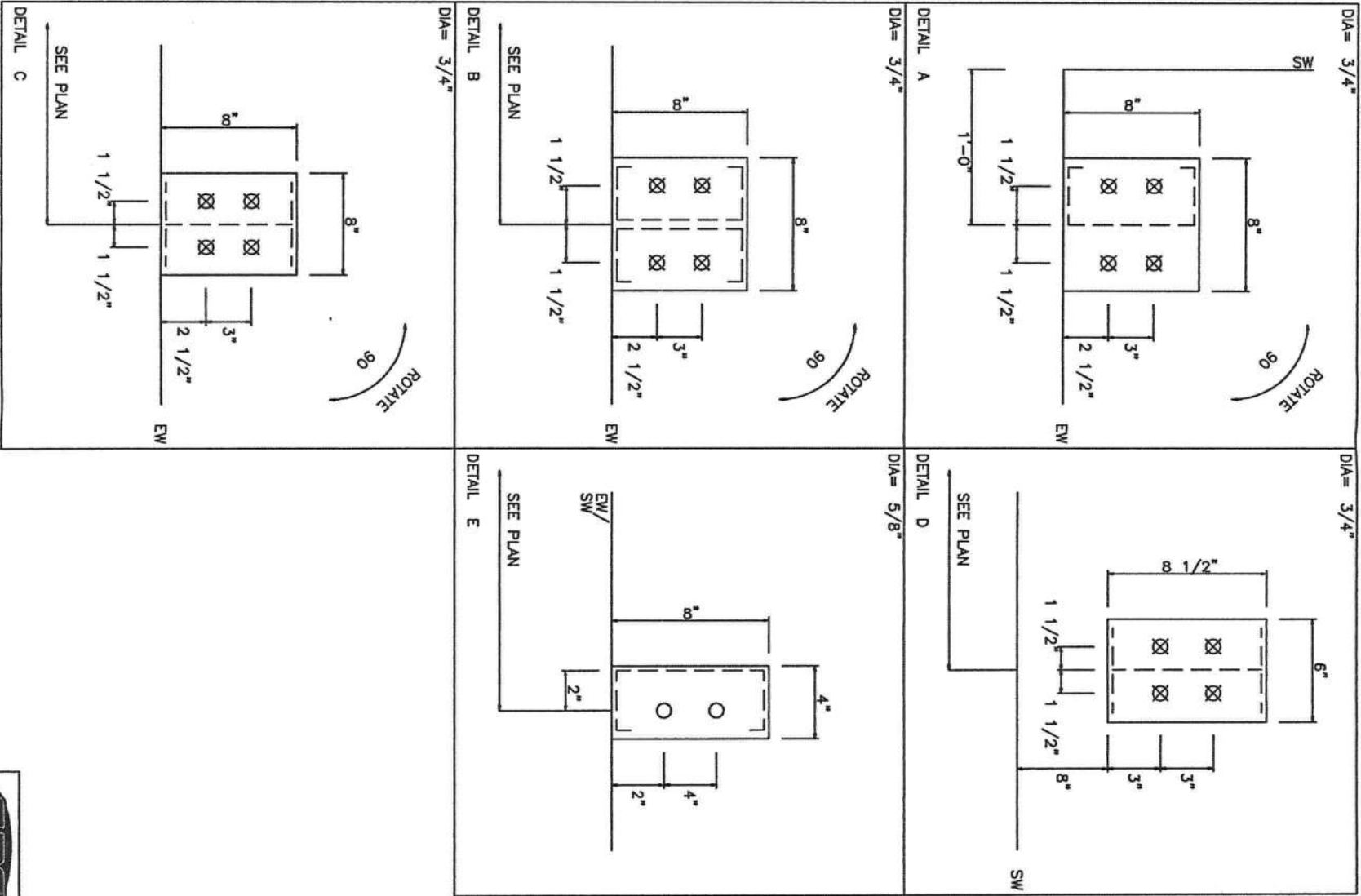
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SCALE: NONE

CHECKED BY: HCF

STRUCTURAL STAMP

10/26/08



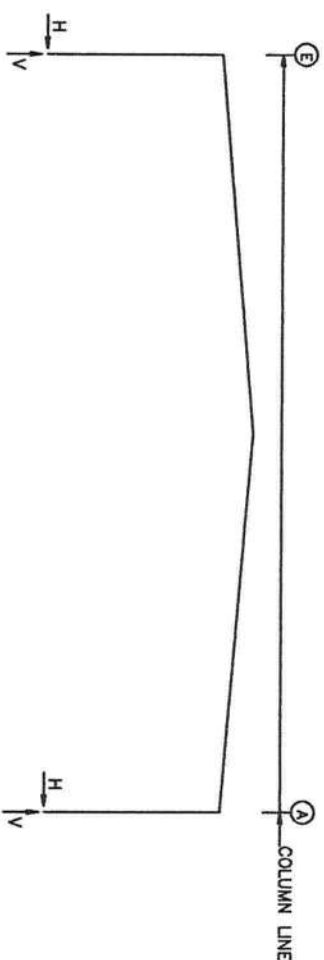
 SBS STEEL BUILDING SYSTEMS INC.			
CUSTOMER: RACINE CONSTRUCTION CO.			
JOB NO: 08-01-012A		DATE: 1/24/08	
[1]	LOCATION: LAKE CITY, FL		
[2]	DRAWING NAME: ANCHOR BOLT DETAILS		SCALE: NONE
[3]	DRAWING NO: PAGE 1.2	DRAWN BY: CFR	CHECKED BY: HEF

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STRUCTURAL STAMP

[Handwritten Signature]

FRAME LINES: 2 3 4 5 6 7 8 9



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

Frm Col Line Line	Load Id	Column Reactions (k)				Anc. Bolt No D(in)	Base Plate (in)			Grcut (in)		
		Hmax H	V Vmax	Hmin H	Vmin V		Wid	Len	Thk			
2 * E	1	9.8	13.2	2	-11.9	-14.5	4	0.750	6.000	8.501	0.375	0.0
				4	-6.2	-15.9						
2 * A	3	11.9	-14.5	1	-9.8	13.2	4	0.750	6.000	8.501	0.375	0.0
		-9.8	13.2	5	6.2	-15.9						
2 * Frame lines: 2 3 4 5 6 7 8 9												

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 as 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:

Width (ft)	= 70.0
Length (ft)	= 200.0
Eave Height (ft)	= 16.0 / 16.0
Roof Slope (Rise/12)	= 2.0
Dead Load (psf)	= 0.0
Collateral Load (psf)	= 20.0
Roof Live Load (psf)	= 12.0
Frame Live Load (psf)	= 110.0
Wind Speed (mph)	= FBC 04
Wind Code	= B
Exposure	= C
Closed/Open/Partial	= 1.00
Importance Wind	= 1.00
Importance Seismic	= 1.00

5. Loading conditions are:

- 1 DL+CL+LL
- 2 DL+1.30WR1
- 3 DL+1.30WR1
- 4 DL+1.30LWnd1
- 5 DL+1.30LWnd2
- 6 DL+1.30WR1+1.30WS
- 7 DL+1.30WR1+1.30LWnd1
- 8 DL+1.30WR1+1.30WS

ANCHOR BOLT SUMMARY

Qty	Loc	Dia (in)	Projection (in)
20	DJ	5/8"	1.50
40	EW	3/4"	1.50
64	RF	3/4"	2.50

BRACING REACTIONS, PANEL SHEAR

± Reactions (k)				Panel Shear (lb/ft)
Loc Line	Col Line	Wind Vert	Seismic Vert	
EW 1	3.4	1.6	0.5	44
F-SW A	7.8	2.3	1.6	0.3
R-EW 10	8.7	2.3	1.6	0.3
B-SW E	4.3	2.3	1.6	0.3

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frm Line	Column Line	Dead				Live				Wind L1				Wind R1				Wind L2				Wind R2			
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2 * E	A	-1.82	2.72	-7.97	10.50	5.84	-9.62	10.57	-5.84	-9.62	10.57	-13.26	2.78	-7.52	-7.46	-3.81	7.52	-7.46	-3.81	7.52	-7.46	-3.81	7.52	-7.46	-3.81
2 * A	A	-1.82	2.72	-7.97	10.50	5.84	-9.62	10.57	-5.84	-9.62	10.57	-13.26	2.78	-7.52	-7.46	-3.81	7.52	-7.46	-3.81	7.52	-7.46	-3.81	7.52	-7.46	-3.81
2 * Frame lines: 2 3 4 5 6 7 8 9																									

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead	Live	Rafter		Wind_L		Wind_R		Wind_P		Wind_S		Wind_Ln		Seis		Seis		Aux_Ver
				Wind_L	Wind_R	Wind_L	Wind_R	Wind_L	Wind_R	Wind_L	Wind_R	Wind_L	Wind_R	Wind_L	Wind_R	Wind_L	Wind_R			
1	E	0.26	1.61	-1.66	-1.04	-1.66	-1.04	-1.66	-1.04	-0.93	-0.93	1.06	1.06	-1.30	-1.30	0.00	0.00	0.02	0.02	0.00
1	D	0.74	4.79	-4.38	-2.80	-4.38	-2.80	-4.38	-2.80	-2.83	-2.83	2.40	2.40	-3.26	-3.26	0.01	0.01	-0.01	-0.01	5.13
1	C	0.89	5.27	-4.38	-2.80	-4.38	-2.80	-4.38	-2.80	-2.83	-2.83	2.40	2.40	-3.26	-3.26	0.03	0.03	-0.03	-0.03	2.66
1	B	0.74	4.79	-4.38	-2.80	-4.38	-2.80	-4.38	-2.80	-2.83	-2.83	2.40	2.40	-3.26	-3.26	0.01	0.01	0.01	0.01	0.00
1	A	0.26	1.61	-1.04	-1.66	-1.66	-1.04	-1.66	-1.04	-0.93	-0.93	1.06	1.06	-1.30	-1.30	0.02	0.02	0.00	0.00	0.00
10	E	0.23	1.29	-1.38	-0.86	-1.38	-0.86	-1.38	-0.86	-2.31	-2.31	2.40	2.40	-3.10	-3.10	0.01	0.01	-0.01	-0.01	4.11
10	D	0.64	3.85	-4.42	-2.31	-4.42	-2.31	-4.42	-2.31	-2.83	-2.83	2.40	2.40	-3.10	-3.10	0.02	0.02	-0.02	-0.02	2.11
10	C	0.79	4.23	-4.42	-2.31	-4.42	-2.31	-4.42	-2.31	-2.83	-2.83	2.40	2.40	-3.10	-3.10	0.01	0.01	0.01	0.01	0.00
10	B	0.23	1.29	-0.86	-1.38	-1.38	-0.86	-1.38	-0.86	-2.31	-2.31	2.40	2.40	-3.10	-3.10	0.02	0.02	0.00	0.00	0.00
10	A	0.24	1.09	-0.34	1.51	-0.34	1.51	-0.34	1.51	-0.34	1.51	1.06	1.06	-1.04	-1.04	0.02	0.02	0.00	0.00	0.00
Frm Line	Col Line	Aux-2	Aux-3	Aux-4	Aux-5															
1	E	-0.30	0.09	1.99	-0.42															
1	D	-2.32	2.62	1.77	3.05															
1	C	2.52	2.62	1.77	3.05															
1	B	-0.30	0.07	1.51	-0.34															
1	A	-0.24	0.30	1.88	-0.43															
10	E	-2.02	-2.10	2.43	-2.43															
10	D	2.02	2.43	1.51	0.34															
10	C	-0.24	1.09	-0.34	1.51															

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

Frm Line	Col Line	Load Id	Column Reactions (k)				Anc. Bolt No D(in)	Base Plate (in)			Grcut (in)	
			Hmax	V	Hmin	Vmin		Wid	Len	Thk		
1	E	6	1.4	-1.9	7	-1.2	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	-1.9	6	-1.4	-1.9					
1	D	6	3.1	-6.2	7	-2.9	4	0.750	8.000	8.000	0.250	0.0
		1	3.1	5.5	6	3.1	-6.2					
1	C	8	4.0	-4.8	7	-3.7	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	6.2	8	4.0	-4.8					
1	B	8	3.1	-6.2	7	-2.9	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	5.5	8	3.1	-6.2					
1	A	8	1.4	-1.9	7	-1.2	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	1.9	8	1.4	-1.9					
10	A	6	1.4	-1.6	7	-1.2	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	1.5	6	1.4	-1.6					
10	B	6	3.1	-5.1	7	-2.9	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	4.5	6	3.1	-5.1					
10	C	8	4.0	-3.9	7	-3.7	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	5.0	8	4.0	-3.9					
10	D	8	3.1	-5.1	7	-2.9	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	4.5	8	3.1	-5.1					
10	E	8	1.4	-1.6	7	-1.2	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	-1.5	8	1.4	-1.6					



CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012A DATE: 1/24/08

LOCATION: LAKE CITY, FL

DRAWING NAME: ANCHOR BOLT REACTIONS

DRAWING NO: PAGE 1.3

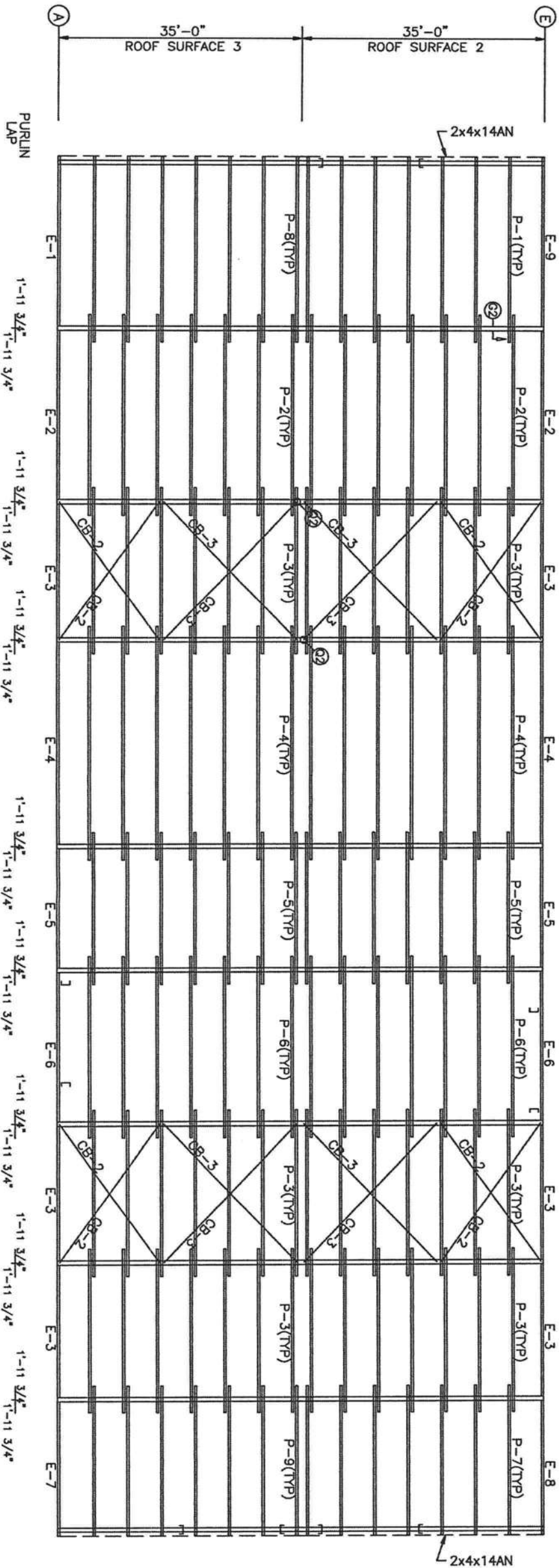
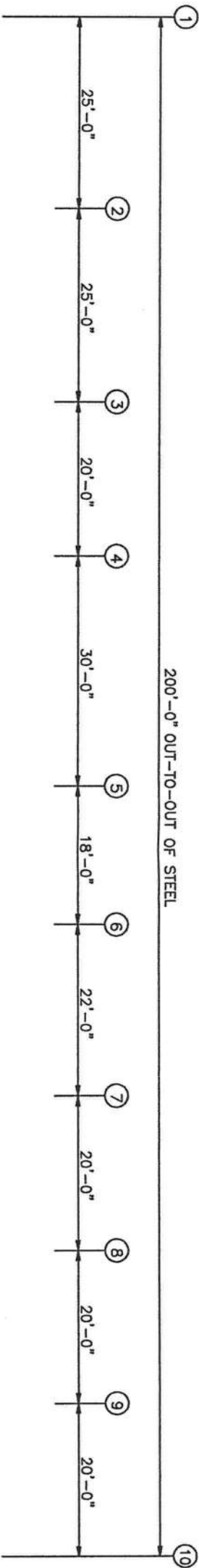
DRAWN BY: CFR

CHECKED BY: HEP

STRUCTURAL STAMP

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MEMBER TABLE			
ROOF PLAN			
MARK	PART	LENGTH	
P-1	10x25Z14	26'-11 1/2"	
P-2	10x25Z14	28'-11 1/2"	
P-3	10x25Z14	23'-11 1/2"	
P-4	10x25Z14	33'-11 1/2"	
P-5	10x25Z14	21'-11 1/2"	
P-6	10x25Z14	25'-11 1/2"	
P-7	10x25Z14	21'-11 1/2"	
P-8	10x25Z14	26'-11 1/2"	
P-9	10x25Z14	21'-11 1/2"	
E-1	10ES14@1	24'-11 1/2"	
E-2	10ES14@1	24'-11 1/2"	
E-3	10ES14@1	19'-11 1/2"	
E-4	10ES14@1	29'-11 1/2"	
E-5	10ES14@1	17'-11 1/2"	
E-6	10ES14@1	21'-11 1/2"	
E-7	10ES14@1	19'-11 1/2"	
E-8	10ES14@1	19'-11 1/2"	
E-9	10ES14@1	24'-11 1/2"	
CB-2	1/4 CBL	23'-9 1/4"	
CB-3	1/4 CBL	27'-7 5/8"	



ROOF FRAMING PLAN



CUSTOMER:

RACINE CONSTRUCTION CO.

JOB NO: 08-01-012A

DATE:

1/24/08

LOCATION: LAKE CITY, FL

DRAWING NAME: ROOF FRAMING LAYOUT

DRAWING NO: PAGE 2

DRAWN BY: CFR

CHECKED BY:

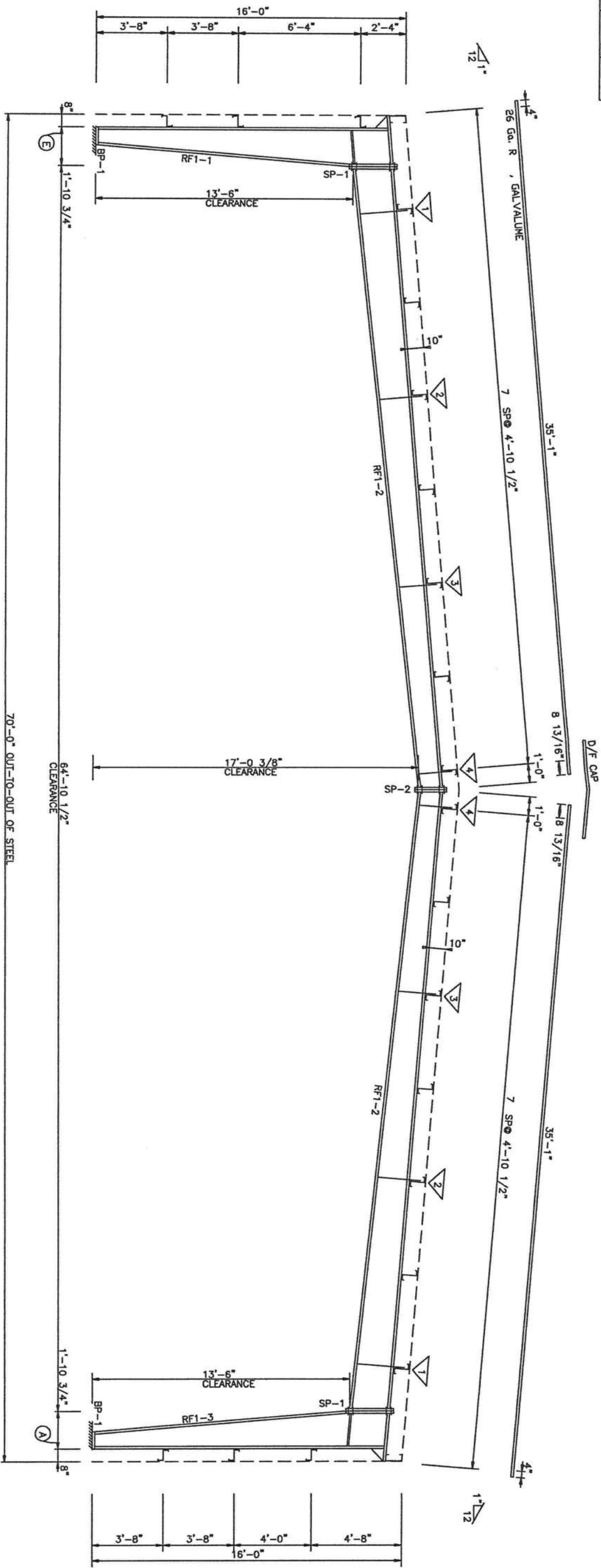
SCALE: NONE

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1/24/08

SPURCE BOLTS				BOLT			
SPURCE	QUAN	TOP/BOT	INT	TYPE	DIA	LEN	
SP-1	4	4	0	A325	3/4"	2 1/2"	
SP-2	4	4	0	A325	3/4"	2 1/2"	
FRAME BRACE TABLE							
FRAME LINE	2	3	4	5	6	7	8
Δ ID SIDES	MARK	MARK	MARK	MARK	MARK	MARK	MARK
1	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2
BASE PLATES							
COL	WID	THICK	Length				
BP-1	6"	3/8"	8 1/2"				



RIGID FRAME ELEVATION
FOR FRAME LINE 2 3 4 5 6 7 8 9

PIECE		MEMBER SIZE TABLE		OUTSIDE FLANGE		INSIDE FLANGE	
START/END	THICK	LENGTH	W x I x LEN	W x I x LEN	W x I x LEN	W x I x LEN	W x I x LEN
RF1-1	7/16"	0.134	13'-1 1/16"	6x1/4" x15'-2"	6x1/2" x13'-2 1/4"	6x5/16"x7'-6 1/16"	6x1/4" x20'-0"
RF1-2	22.0/22.0	0.188	2'-2 3/16"	6x1/4" x2'-6 5/16"	6x1/2" x13'-2 1/4"	6x5/16"x7'-6 1/16"	6x1/4" x20'-0"
RF1-3	19.7/19.7	0.188	7'-6 1/16"	6x1/4" x7'-6 1/16"	6x1/2" x13'-2 1/4"	6x5/16"x7'-6 1/16"	6x1/4" x20'-0"
	13.5/13.5	0.134	5'-1 1/16"	6x1/4" x5'-1 1/16"	6x1/2" x13'-2 1/4"	6x5/16"x7'-6 1/16"	6x1/4" x20'-0"
	13.5/12.0	0.134	5'-1 1/16"	6x1/4" x5'-1 1/16"	6x1/2" x13'-2 1/4"	6x5/16"x7'-6 1/16"	6x1/4" x20'-0"
	22.0/22.0	0.188	2'-2 3/16"	6x1/4" x2'-6 5/16"	6x1/2" x13'-2 1/4"	6x5/16"x7'-6 1/16"	6x1/4" x20'-0"
	22.0/7.7	0.134	13'-1 1/16"	6x1/4" x13'-1 1/16"	6x1/2" x13'-2 1/4"	6x5/16"x7'-6 1/16"	6x1/4" x20'-0"

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SBS STEEL BUILDING SYSTEMS INC.

CUSTOMER:
RACINE CONSTRUCTION CO.

JOB NO:
08-01-012A

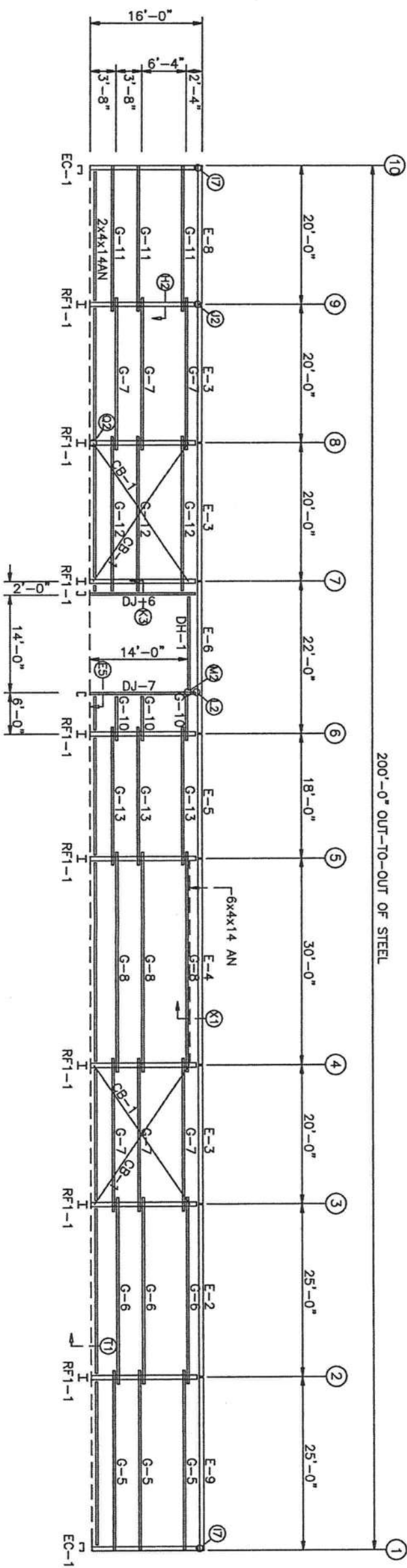
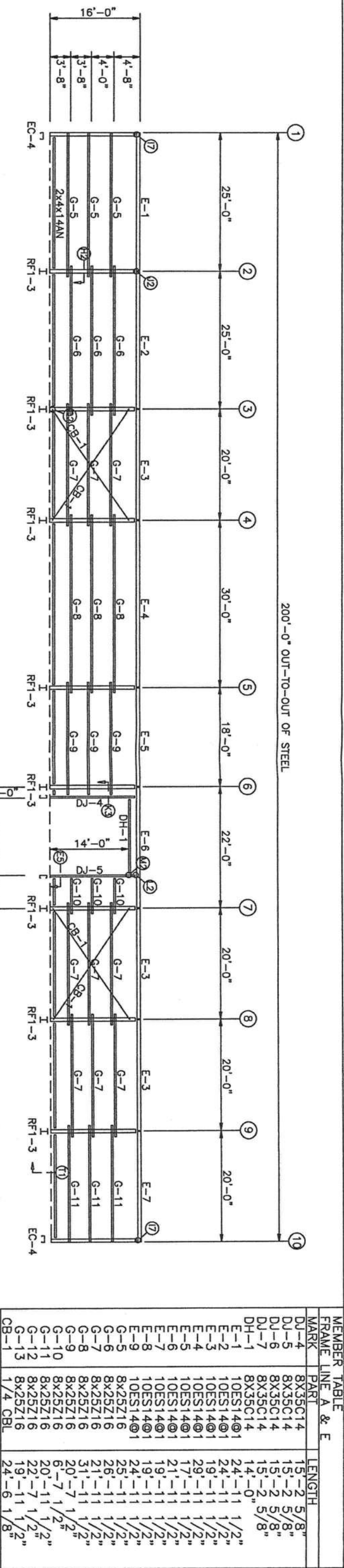
LOCATION:
LAKE CITY, FL

DRAWING NAME:
RIGID FRAME CROSS SECTION

DRAWING NO:
PAGE 2.1

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11/21/08



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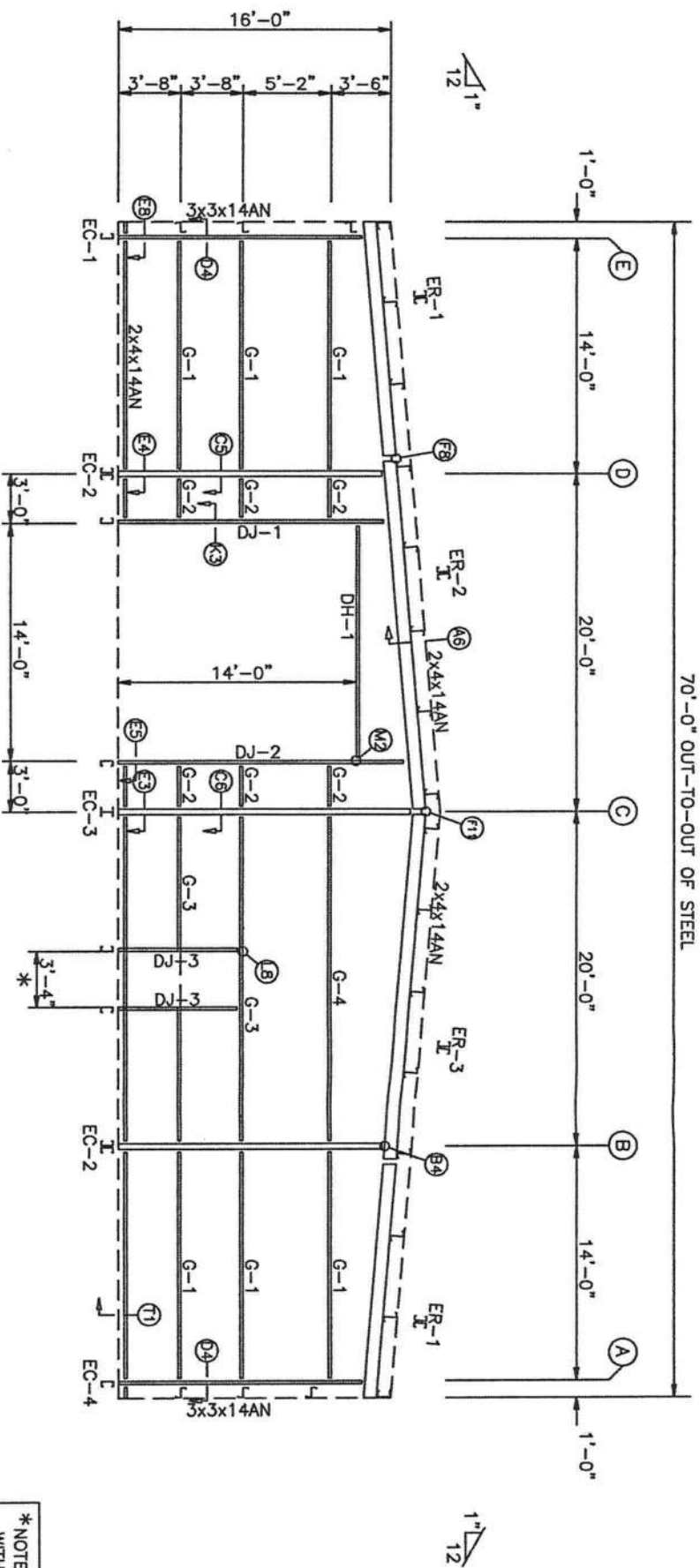
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CUSTOMER: RACINE CONSTRUCTION CO.
JOB NO: 08-01-012A
LOCATION: LAKE CITY, FL
DATE: 1/24/08

REVISIONS

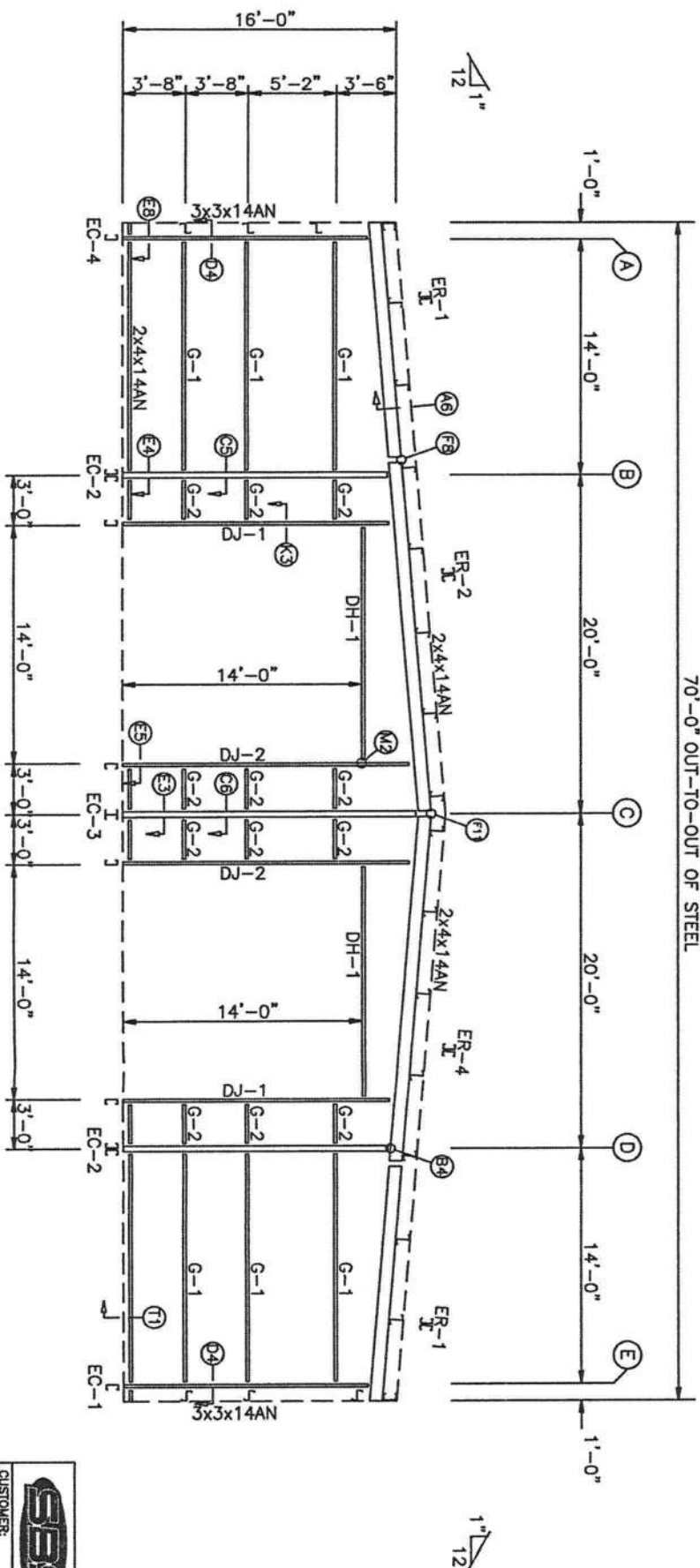
NO.	DESCRIPTION
[1]	
[2]	
[3]	

DRAWING NAME: SIDEWALL FRAMING LAYOUT
DRAWING NO: PAGE 3
SCALE: NONE
CHECKED BY: CFR



ENDWALL FRAMING: FRAME LINE 1

*NOTE: FIELD LOCATE (3) 30% PERSONNEL DOOR WITH JAMBS PER OWNER'S LOCATIONS.



ENDWALL FRAMING: FRAME LINE 10

BOLT TABLE			
FRAME LINE 1 & 10			
LOCATION	QUAN	TYPE	DIA
ER-1/ER-2	8	A325	5/8"
ER-2/ER-3	6	A325	5/8"
ER-1/ER-3	8	A325	5/8"
ER-2/ER-4	8	A325	5/8"
ER-1/ER-4	8	A325	5/8"
Columns	2	A325	5/8"
Jamb	2	A325	5/8"

MEMBER TABLE		
FRAME LINE 1 & 10		
MARK	PART	LENGTH
EC-1	8X35C14	14'-3"
EC-2	8X7DC12	15'-5"
EC-3	8X11.9	17'-1"
EC-4	8X35C14	14'-3"
ER-1	8X7DC12	14'-1"
ER-2	8X7DC12	21'-0"
ER-3	8X7DC12	21'-0"
ER-4	8X35C14	15'-8"
DJ-1	8X35C14	16'-10"
DJ-2	8X35C14	7'-4"
DJ-3	8X35C14	14'-0"
DH-1	8X35C14	3'-4"
DH-2	8X25Z16	13'-7"
G-1	8X25Z16	2'-3"
G-2	8X25Z16	19'-3"
G-3	8X25Z16	19'-3"
G-4	8X25Z14	19'-3"



CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012A

LOCATION: LAKE CITY, FL

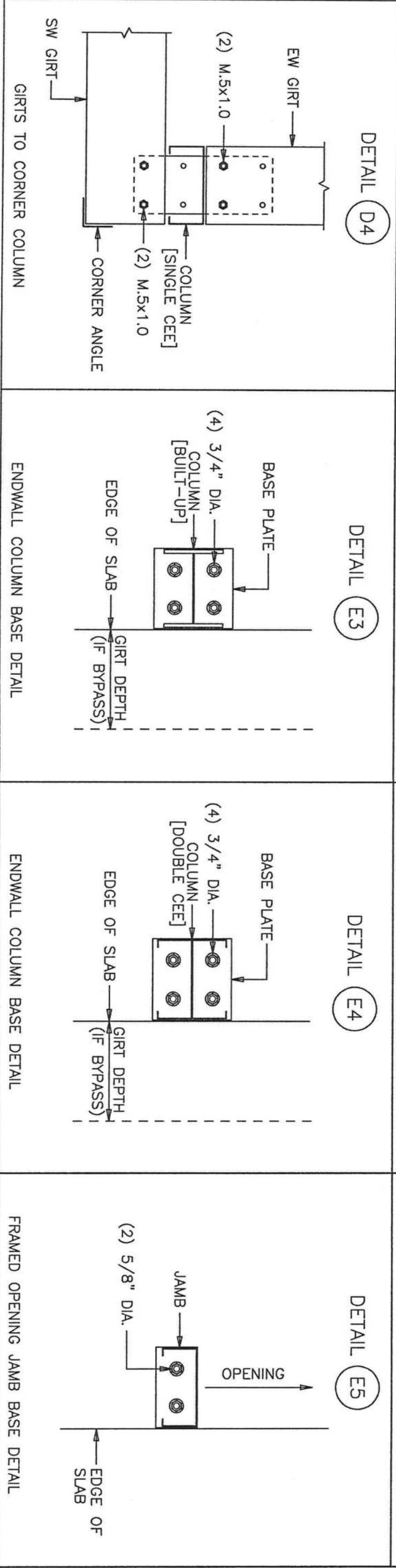
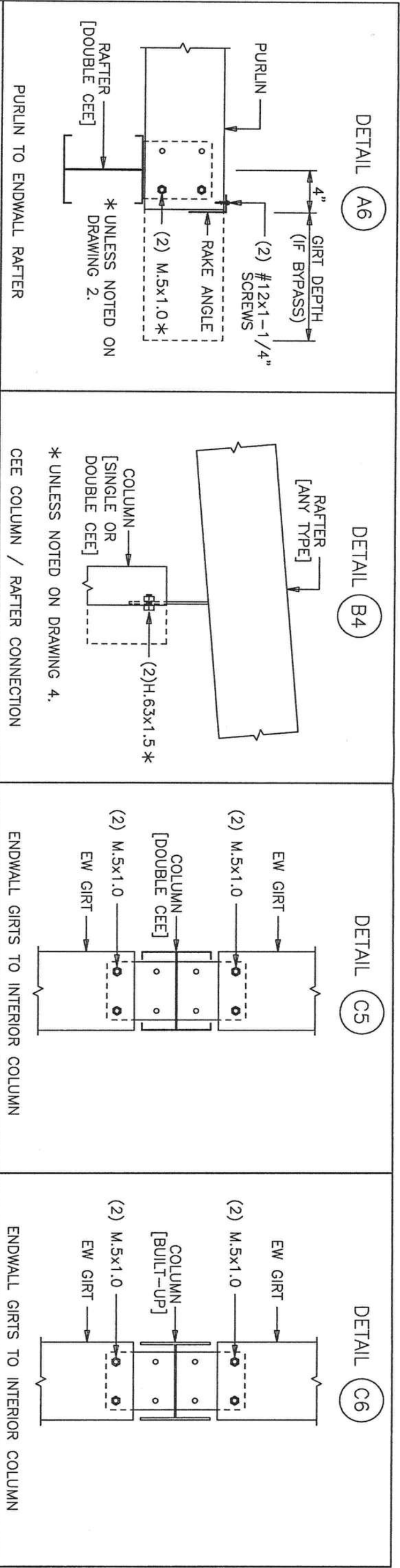
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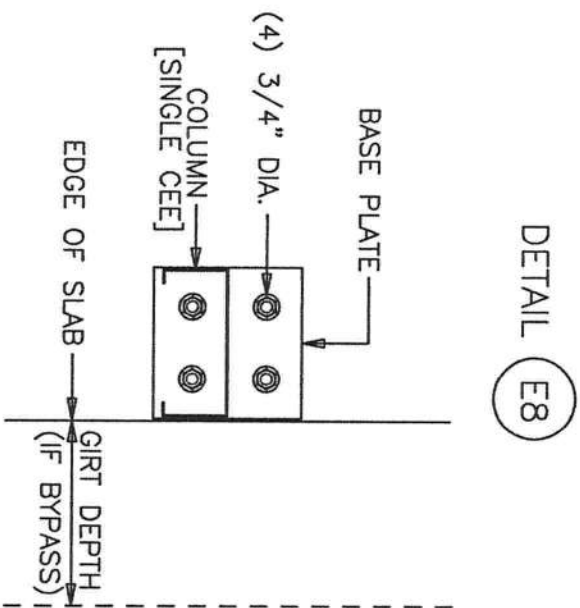
DRAWING NO: PAGE 4

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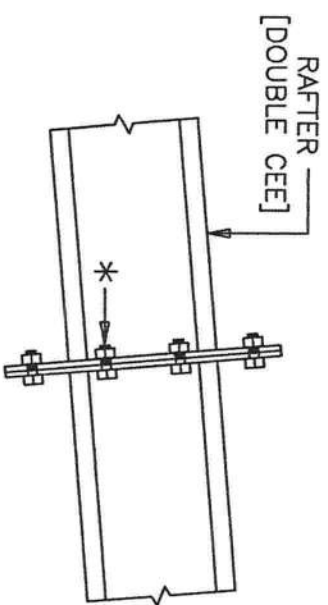
STRUCTURAL STAMP

10/24/08

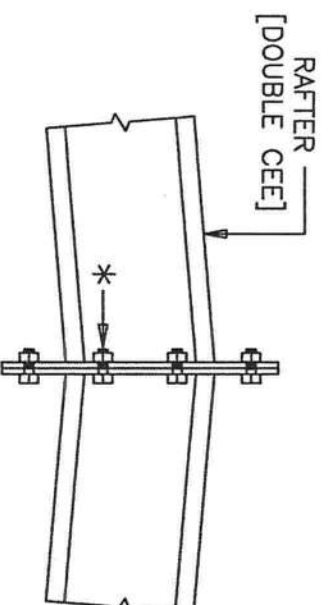




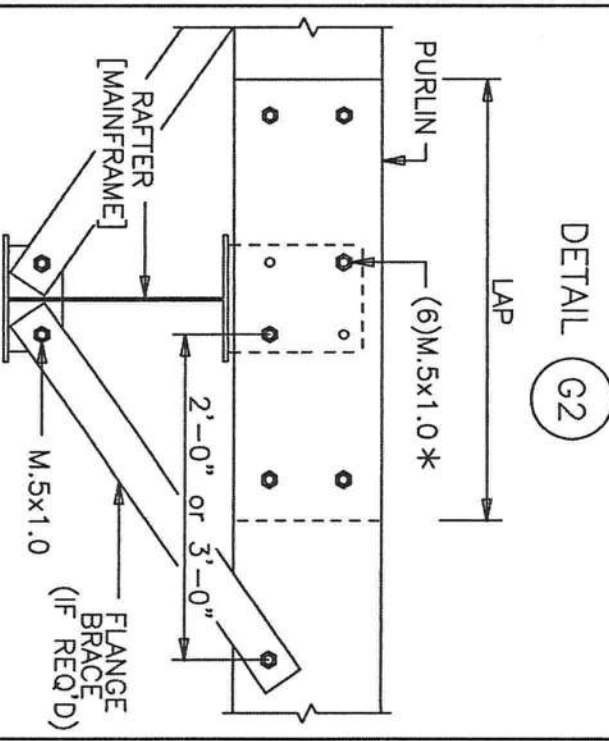
ENDWALL COLUMN BASE DETAIL



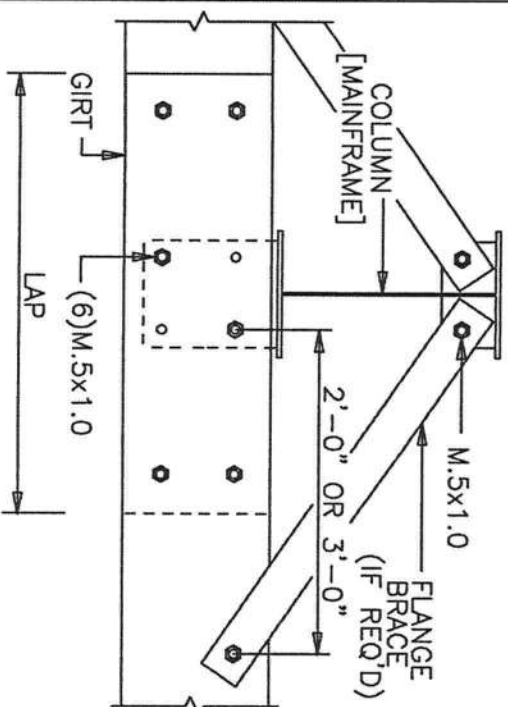
RAFTER DETAIL AT SPLICE



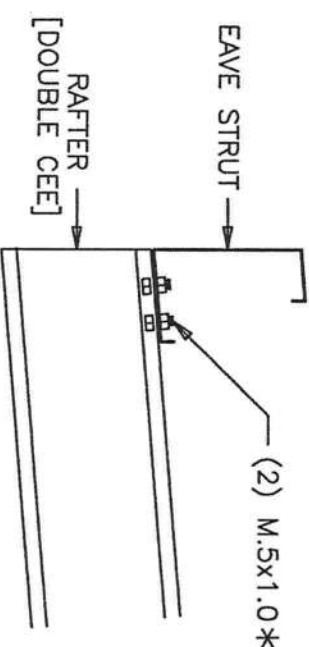
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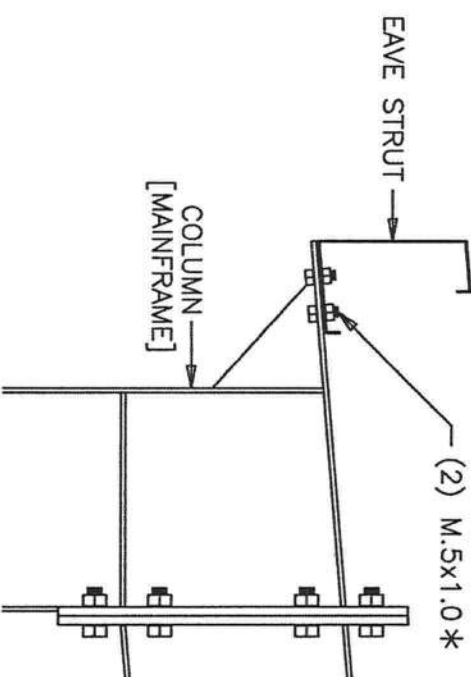
PURLIN TO MAINFRAME RAFTER



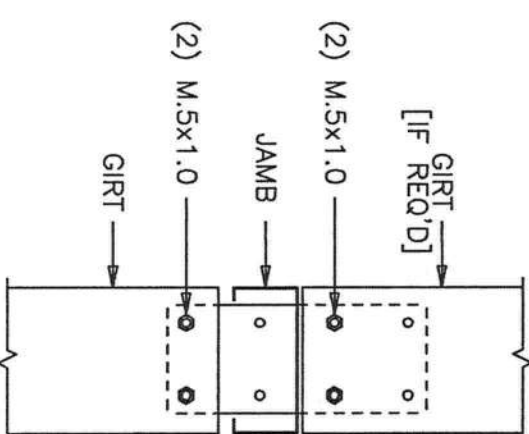
GIRT TO MAINFRAME COLUMN



EAVE STRUT CONNECTION AT ENDWALL



EAVE STRUT CONNECTION AT MAINFRAME



GIRTS TO JAMB

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SBS STEEL BUILDING SYSTEMS INC.

CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012A DATE: 1/24/08

LOCATION: LAKE CITY, FL

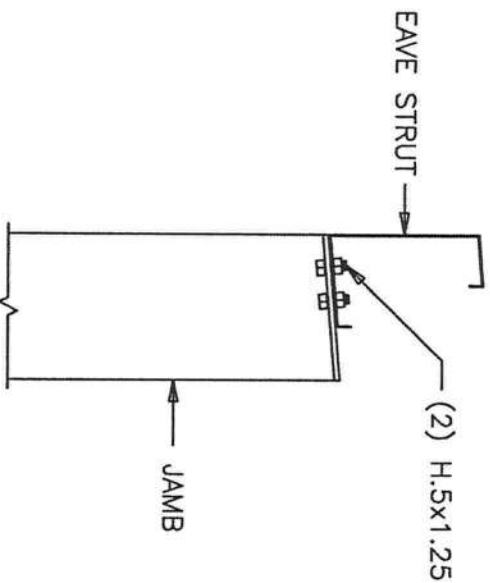
DRAWING NAME: FRAMING DETAILS

DRAWING NO: 5.1

STRUCTURAL STAMP

Handwritten signature and date: 1/24/08

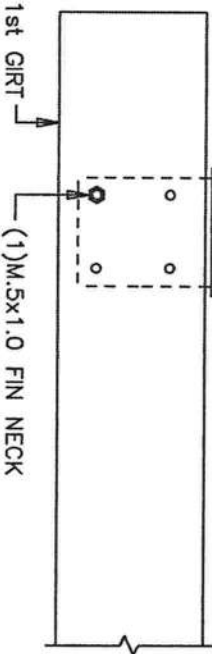
DETAIL L2



FRAMED OPENING JAMB TO EAVE STRUT

OSHA REQUIREMENT

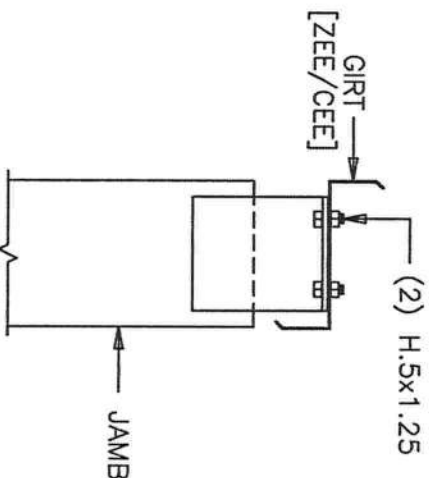
NOTE: THE FIRST GIRT AT A LAPPED CONDITION MUST BE SECURED TO THE CLIP WITH (1)M.5x1.0 FIN NECK BOLT W/ NUT BEFORE INSTALLING THE SECOND GIRT AND STANDARD CONNECTION BOLTS.



* Directive Number: CPL 2-1.34
* Title: Inspection policy and procedures for OSHA's steel erection standards for construction
* Standard Number: 1926
* Information Date: 03/22/2002

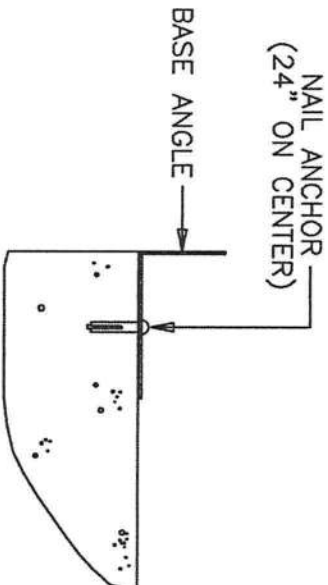
LAPPED GIRTS TO MAINFRAME COLUMN

DETAIL L8



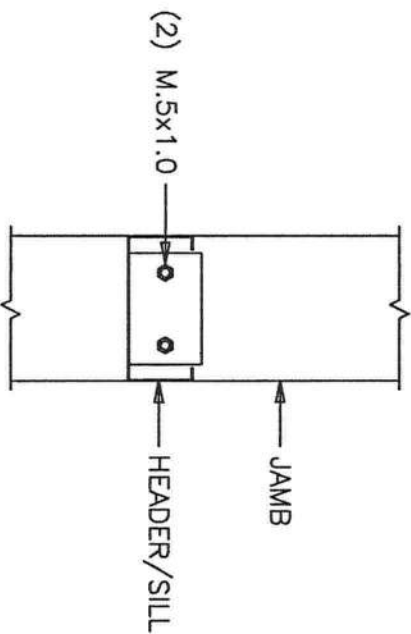
FRAMED OPENING JAMB TO GIRT

DETAIL T1



BASE ANGLE DETAIL

DETAIL M2



FRAMED OPENING HEADER/SILL TO JAMB

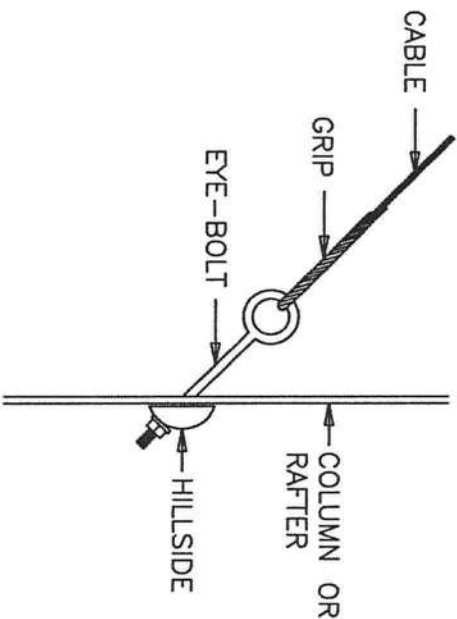
NOTE: THE PROPER TIGHTENING AND INSPECTION OF ALL FASTENERS IS THE RESPONSIBILITY OF THE ERECTOR. ALL BOLTS AND NUTS MUST BE TIGHTENED BY THE TURN-OF-NUT METHOD SHOWN BELOW. A325 AND A490 BOLTS ARE DESIGNATED BY "SBS" WITH A "T" (SEE H.63x2.0 OR H.75x2.75).

TURN-OF-NUT TIGHTENING: BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG-TIGHT CONDITION. SNUG TIGHT IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN THE PILES OF THE JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. SNUG TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE CONNECTION TO THE FREE EDGES UNTIL ALL BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED IN THE SAME SEQUENCE. THE TURN-OF-NUT METHOD SPECIFIED IN THE TABLE BELOW DURING THE OPERATION THEREAFTER SHALL BE USED INSTEAD OF THE TURN-OF-NUT METHOD. THE TURN-OF-NUT METHOD SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT TO THE FREE EDGES.

NUT ROTATION FROM SNUG-TIGHT CONDITION	
BOLT LENGTH	REQUIRED ROTATION
UP TO AND INCLUDING 4 DIAMETERS	1/3 TURN
OVER 4 DIAMETERS BUT NOT EXCEEDING 8 DIAMETERS	1/2 TURN
OVER 8 DIAMETERS BUT NOT EXCEEDING 12 DIAMETERS	2/3 TURN

NOTES: [1] NUT ROTATION IS RELATIVE TO BOLT REGARDLESS OF THE ELEMENT (NUT OR BOLT) BEING TURNED.
[2] APPLICABLE ONLY TO CONNECTIONS IN WHICH ALL MATERIAL WITHIN THE GRIP OF THE BOLT IS STEEL.

DETAIL Q2



CABLE INSTALLATION DETAIL

PERSONNEL DOORS

ALL "SBS" PERSONNEL DOORS COME FACTORY PREPPED AS RIGHTHAND REVERSED SWING.

(i.e. STANDING ON THE OUTSIDE OF THE BUILDING FACING THE DOOR, THE LOCK WILL BE ON THE LEFTHAND SIDE OF THE DOOR AND THE DOOR WILL SWING OUTWARD FROM THE BUILDING.)

ANY FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE ERECTOR AND "SBS" IS NOT LIABLE FOR LABOR CHARGES NOR DAMAGES DUE TO ERROR.

STRUCTURAL STAMP

SBS Steel Building Systems Inc.

CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012A

LOCATION: LAKE CITY, FL

DRAWING NAME: FRAMING DETAILS

DRAWING NO: PAGE 5.2

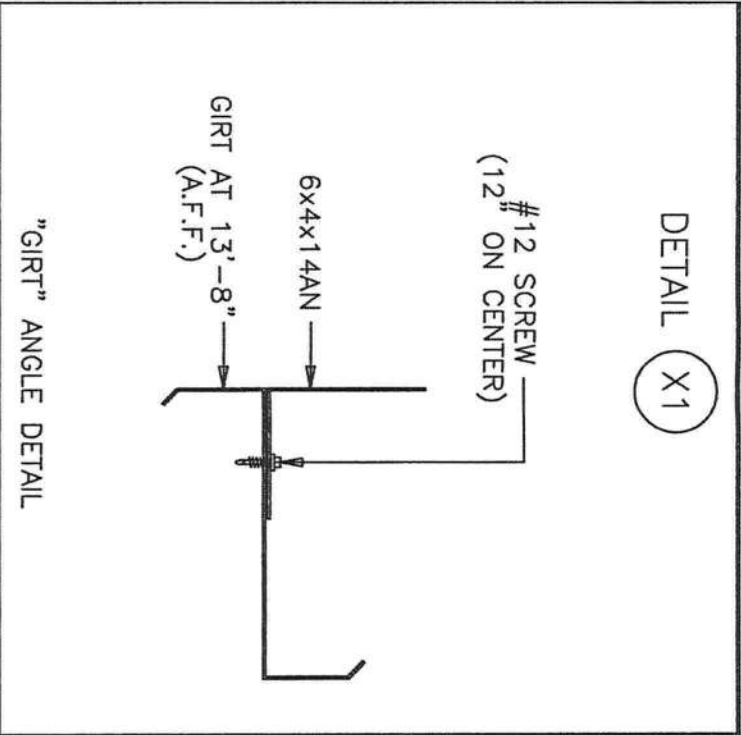
DATE: 1/24/08

SCALE: NONE

DRAWN BY: CFR

CHECKED BY:

[Signature]



ROY A. SPIKER
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FLA. P.E. REG. NO. 42283

STRUCTURAL STAMP

SBS STEEL BUILDING SYSTEMS INC.

CUSTOMER:

RACINE CONSTRUCTION CO.

REVISIONS

JOB NO:
08-01-012A

DATE:
1/24/08

[1]

LOCATION:
LAKE CITY, FL

[2]

DRAWING NAME:
FRAMING DETAILS

SCALE:

NONE

[3]

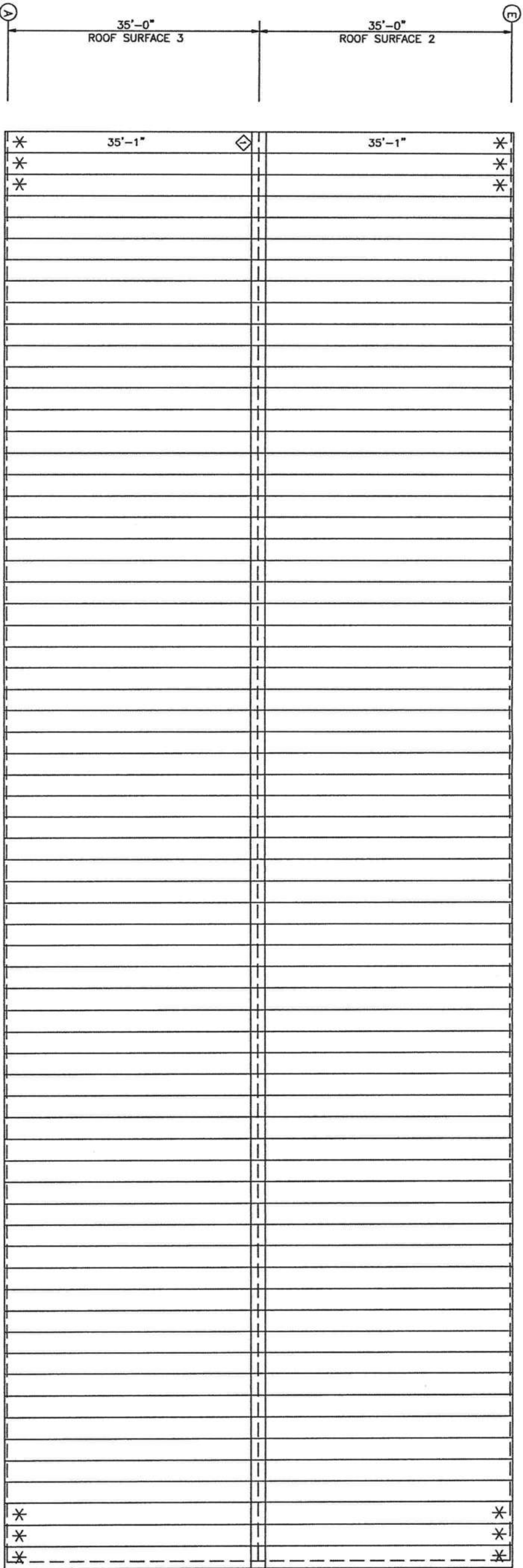
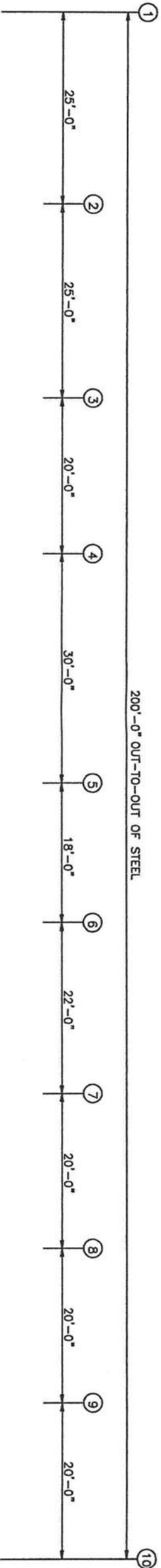
DRAWING NO:
PAGE 5.3

DRAWN BY:
CFR

CHECKED BY:

[Signature]

TRIM TABLE		
ROOF PLAN		
QID	PART	LENGTH
1	D/F CAP	3'-0"



* 24 GA PANELS IN CORNER ZONES.

ROOF SHEETING PLAN
PANELS: 26 GA. R - GALVALUME

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STRUCTURAL STAMP



CUSTOMER:
RACINE CONSTRUCTION CO.

JOB NO:
08-01-012A

LOCATION:
LAKE CITY, FL

DRAWING NAME:
ROOF PANELS & TRIM

DRAWING NO:
PAGE 6

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CFR

CHECKED BY:

SCALE:
NONE

DATE:
1/24/08

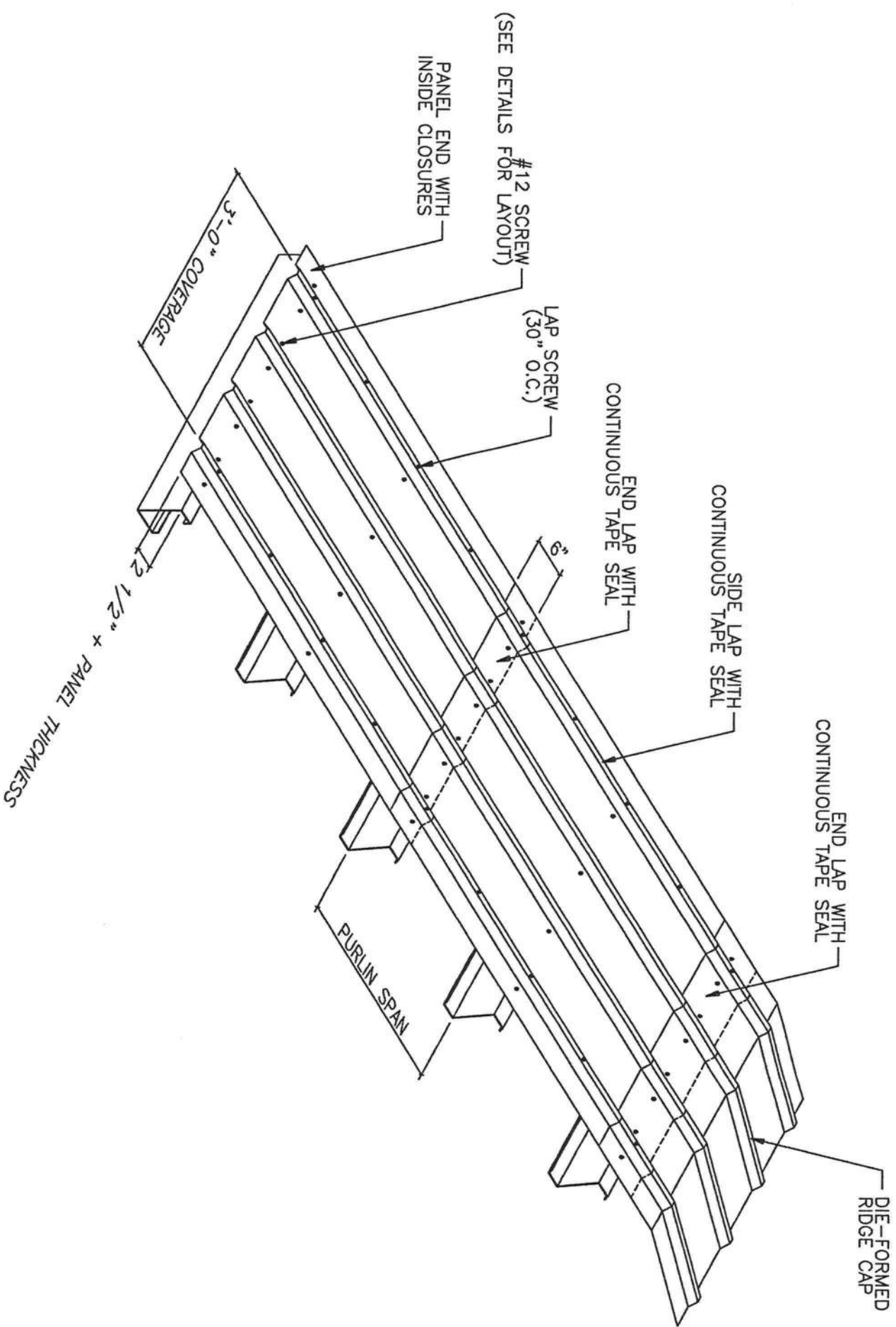
REVISIONS

[1]

[2]

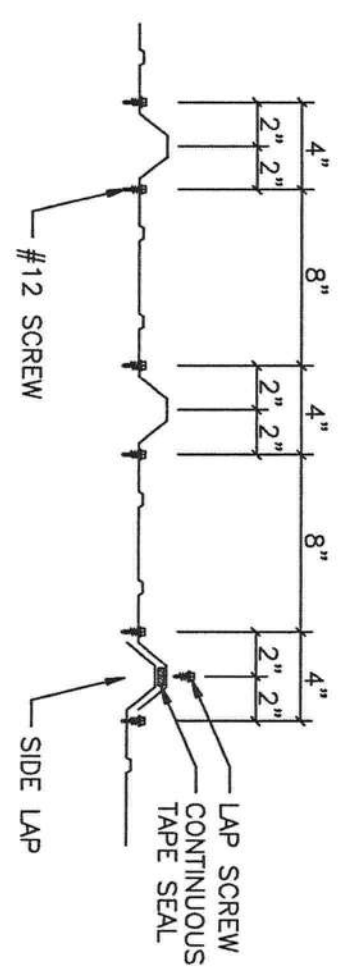
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11/24/08

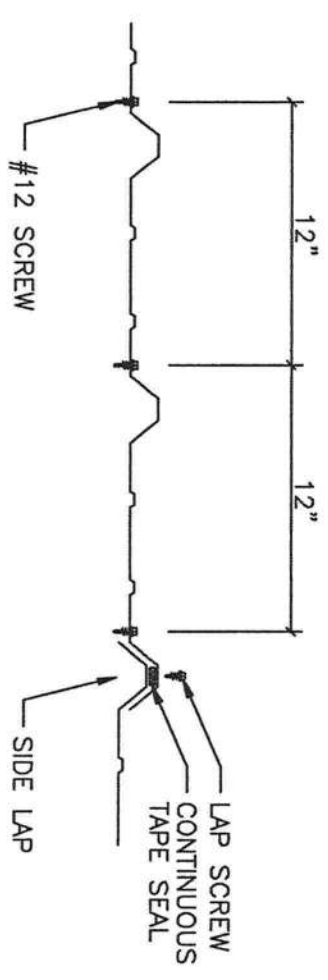


NOTES:

- [1] ALL END LAPS MUST BE A MINIMUM OF 6".
- [2] METAL SHAVINGS MUST BE SWEEP FROM THE ROOF EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.
- [3] TAPE SEAL MUST BE APPLIED WITH NO GAPS OR BREAKS.
- [4] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE PURLINS. #14 LAP SCREWS ARE USED AT THE PANEL-TO-PANEL ATTACHMENTS. ALL FASTENERS ARE SELF-DRILLING.



DETAIL AT PANEL END



DETAIL AT INTERIOR OF PANEL



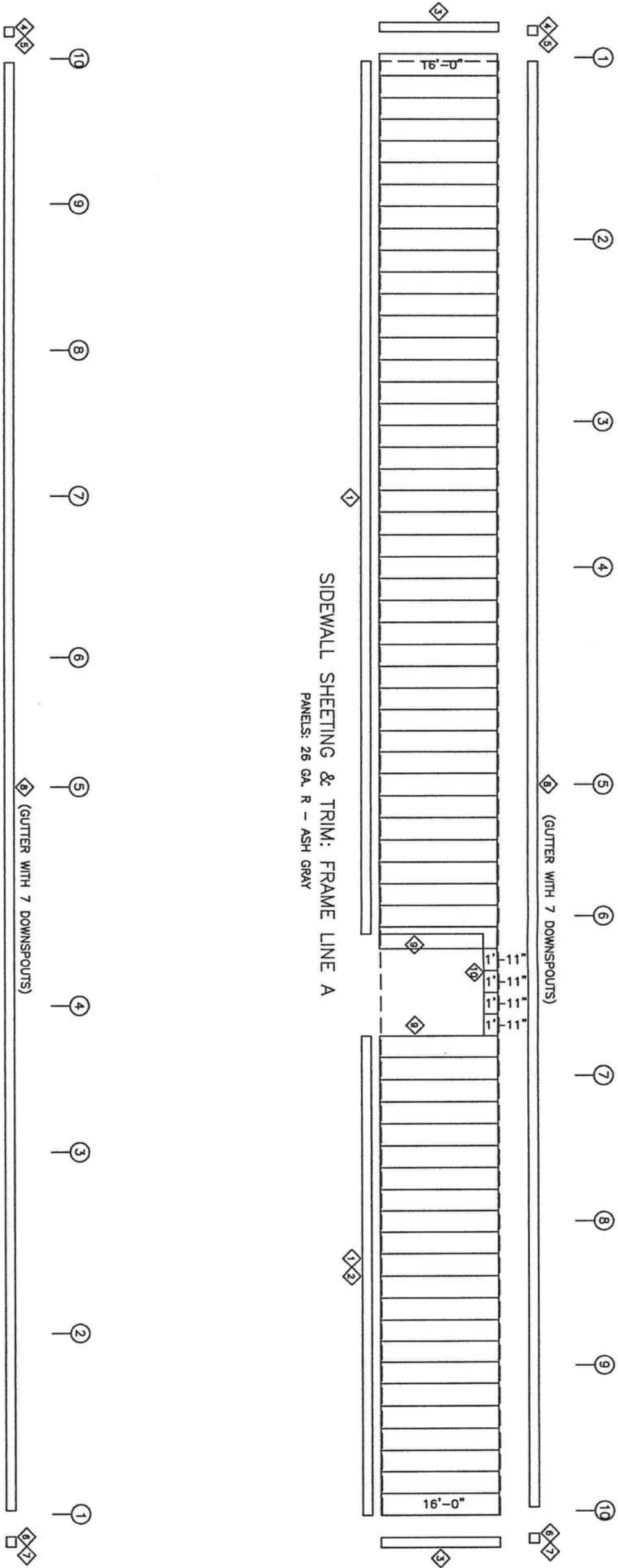
CUSTOMER:		RACINE CONSTRUCTION CO.	
JOB NO:	08-01-012A	DATE:	1/24/08
LOCATION:	LAKE CITY, FL		
DRAWING NAME:	ROOF PANEL DETAILS		
DRAWING NO:	PAGE 6.1	DRAWN BY:	CFR
SCALE:	NONE		
CHECKED BY:			

STRUCTURAL STAMP

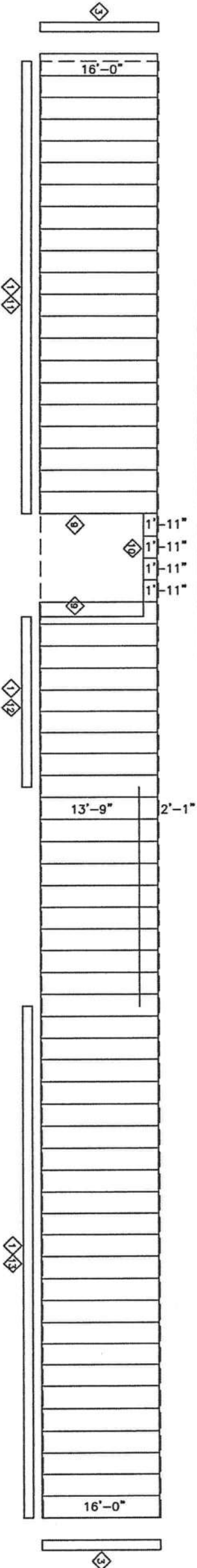
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FLA. P.E. REG. NO. 42289

TRIM TABLE		
FRAME LINE A & E		
ID	PART	LENGTH
1	BASE TRM	20'-3"
2	BASE TRM	6'-0"
3	O/S CORN	16'-0"
4	GUTEND L	
5	CORBOX L	
6	GUTEND R	
7	CORBOX R	
8	GUTTER	20'-3"
9	R JAMB	14'-3"
10	R HEAD	14'-3"
11	BASE TRM	2'-0"
12	BASE TRM	4'-0"
13	BASE TRM	10'-0"

SIDEWALL SHEETING & TRIM: FRAME LINE A
PANELS: 26 GA. R - ASH GRAY



SIDEWALL SHEETING & TRIM: FRAME LINE E
PANELS: 26 GA. R - ASH GRAY



CUSTOMER:
RACINE CONSTRUCTION CO.

JOB NO:
08-01-012A

DATE:
1/24/08

LOCATION:
LAKE CITY, FL

DRAWING NAME:
SIDEWALL PANELS & TRIM

DRAWING NO:
PAGE 7

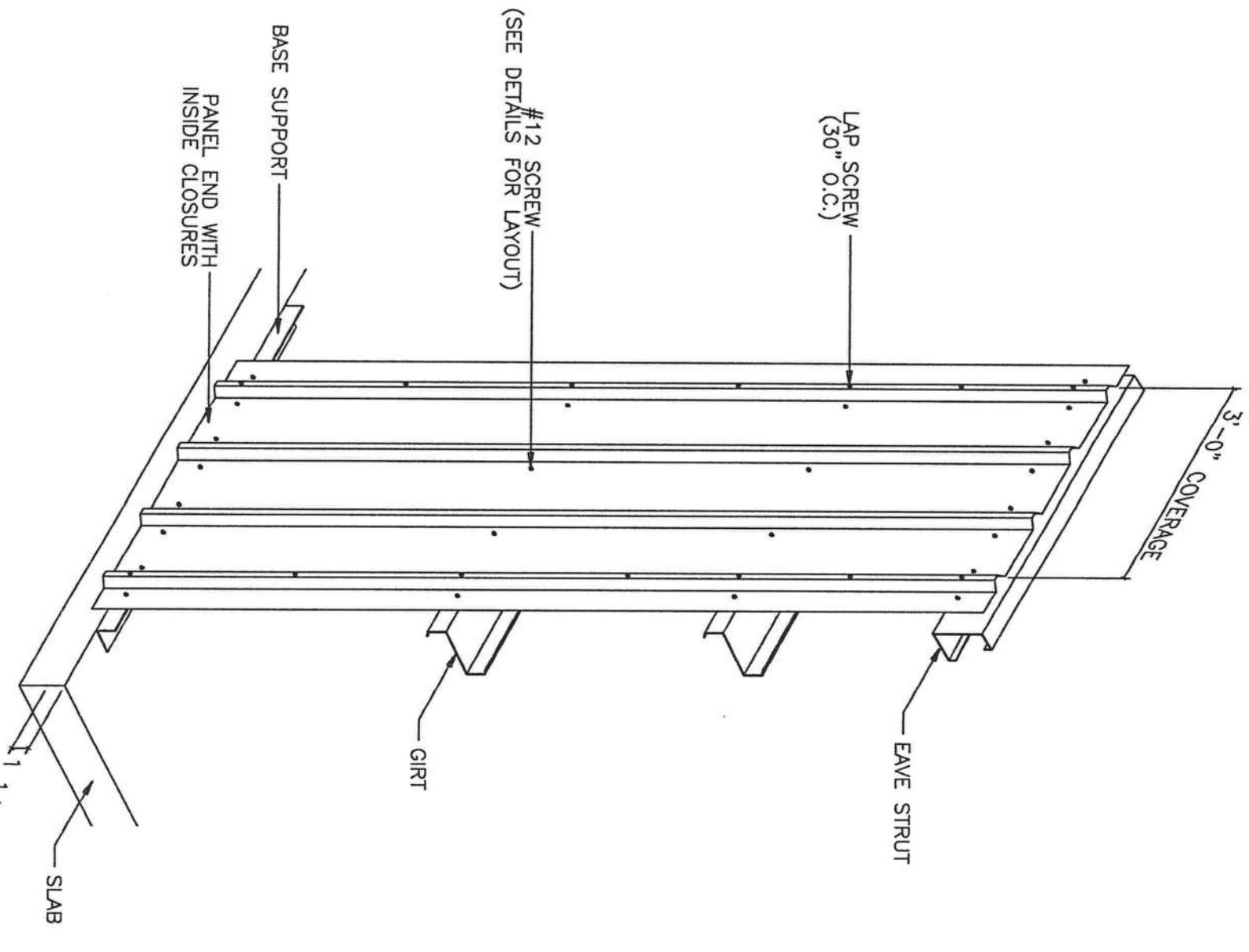
SCALE:
NONE

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CFR

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FAX (229) 387-6696
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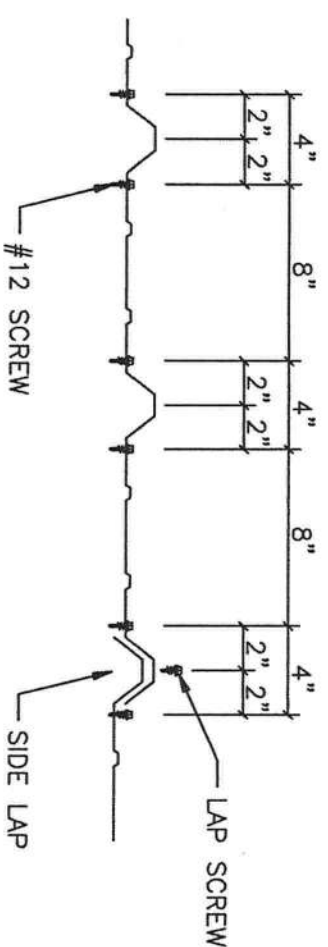
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1/24/08

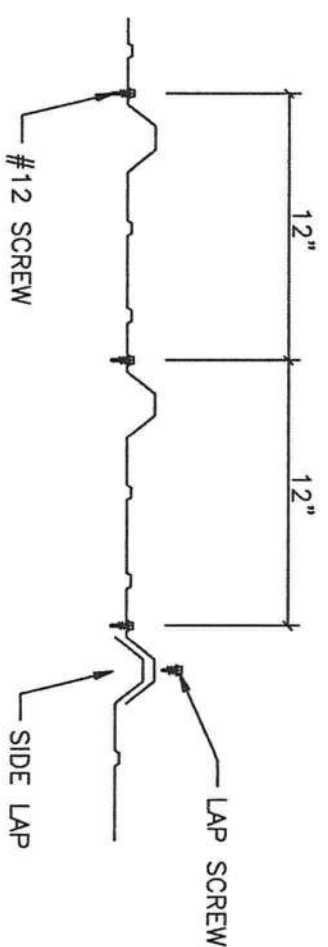


NOTES:

- [1] METAL SHAVINGS MUST BE SWEEP FROM THE ROOF EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.
- [2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE PURLINS. #14 LAP SCREWS ARE USED AT THE PANEL-TO-PANEL ATTACHMENTS. ALL FASTENERS ARE SELF-DRILLING.



DETAIL AT PANEL END



DETAIL AT INTERIOR OF PANEL
DETAIL AT HEADER/SILL
DETAIL AT PARTIAL WALL

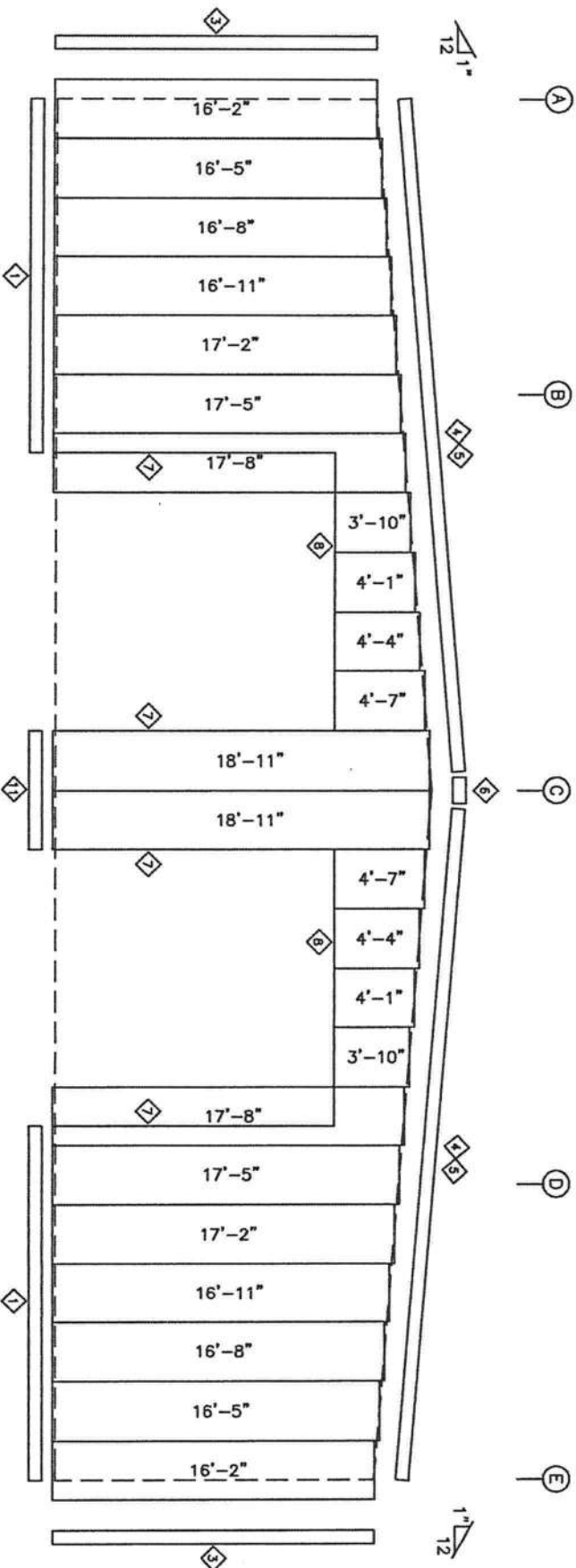
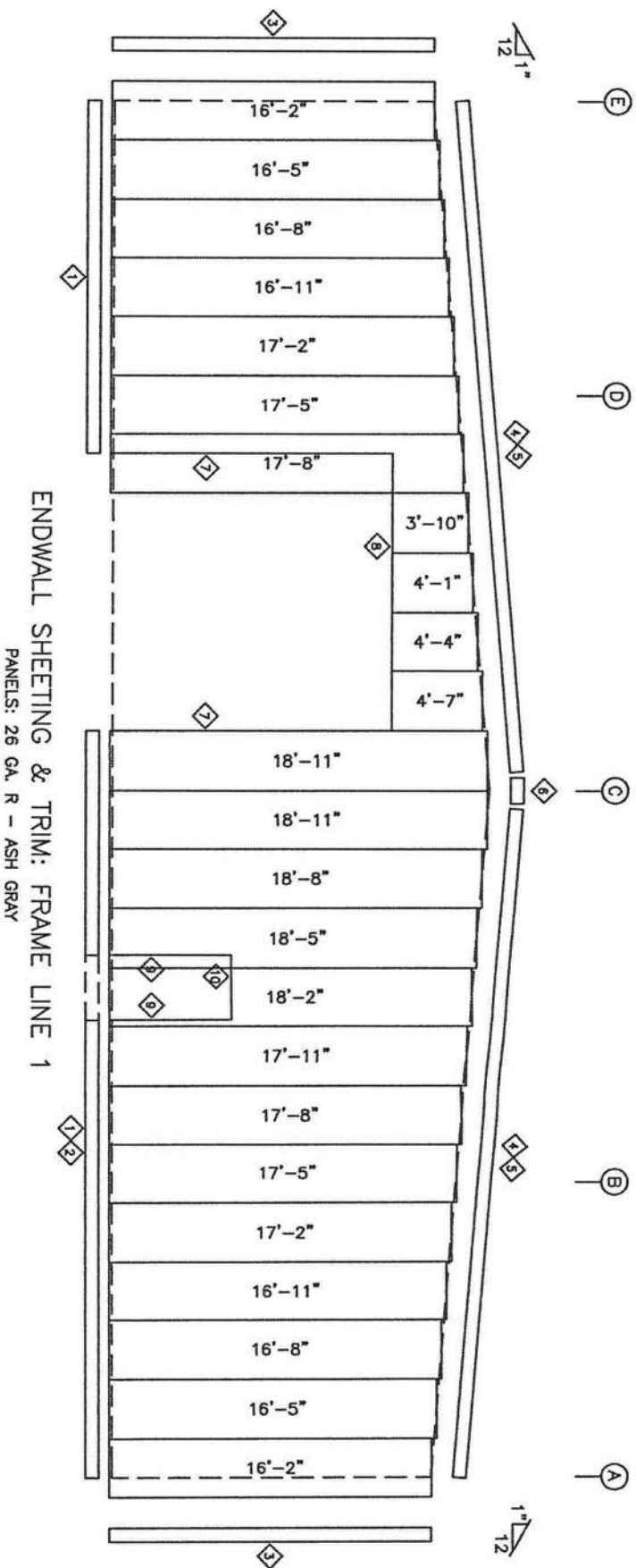
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FLA. P.E. REG. NO. 42289

 SBS STEEL BUILDING SYSTEMS INC.			
CUSTOMER: RACINE CONSTRUCTION CO.			
JOB NO: 08-01-012A		DATE: 1/24/08	
LOCATION: LAKE CITY, FL			
DRAWING NAME: SIDEWALL PANEL DETAILS		SCALE: NONE	
DRAWING NO: PAGE 7.1		DRAWN BY: CFR	
		CHECKED BY:	
REVISIONS			
[1]			
[2]			
[3]			

STRUCTURAL STAMP

[Signature]

TRIM TABLE		
FRAME LINE 1 & 10		
ID	PART	LENGTH
1	BASE TRM	18'-0"
2	BASE TRM	20'-3"
3	O/S CORN	16'-0"
4	RAKE TRM	20'-3"
5	RAKE TRM	15'-2"
6	PEAK BOX	1'-4"
7	R JAMB	14'-3"
8	R HEAD	14'-3"
9	R JAMB	7'-5"
10	R HEAD	3'-7"
11	BASE TRM	6'-0"

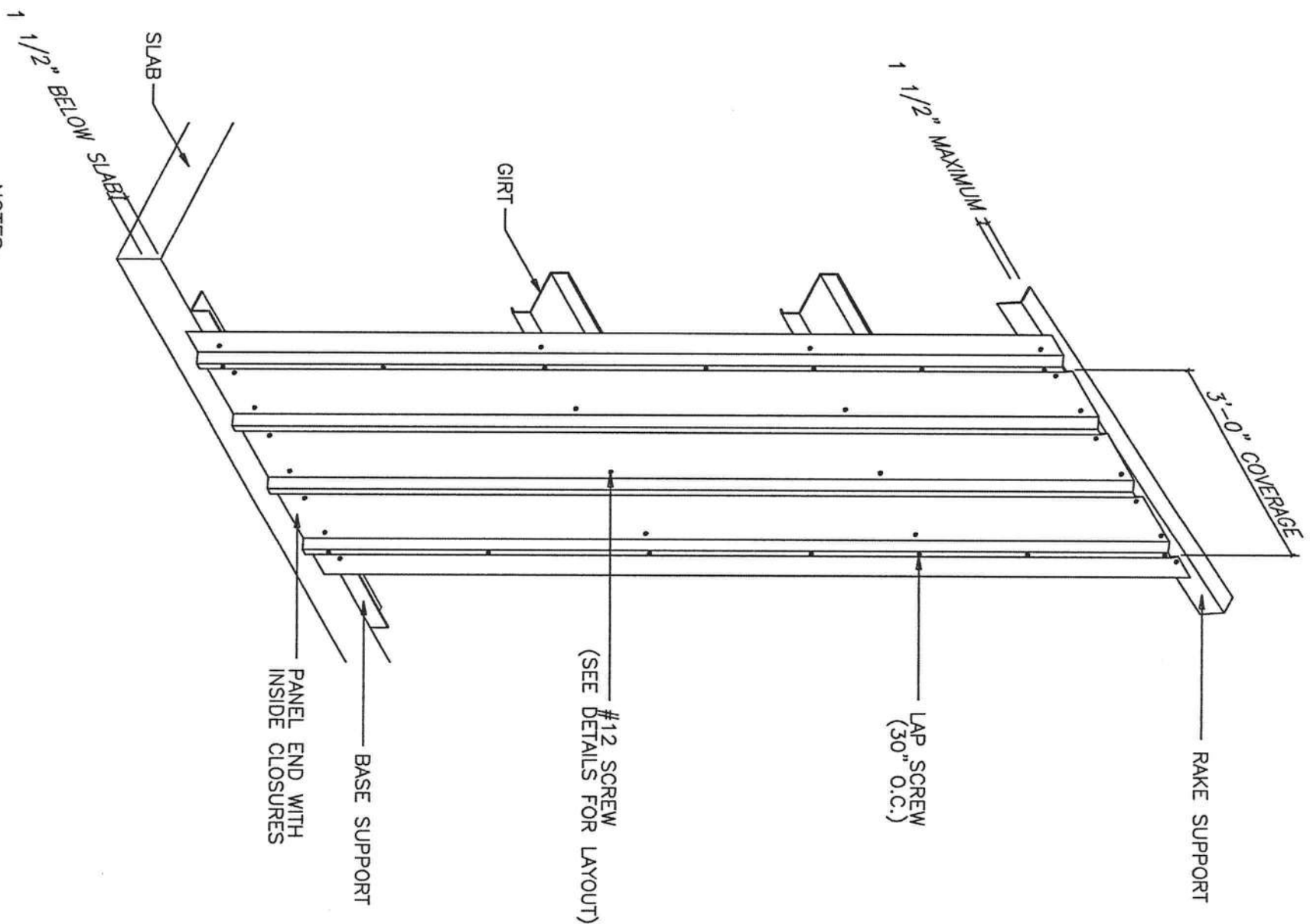


SBS Steel Building Systems Inc.	
CUSTOMER: RACINE CONSTRUCTION CO.	
JOB NO: 08-01-012A	DATE: 1/24/08
LOCATION: LAKE CITY, FL	
DRAWING NAME: ENDWALL PANELS & TRIM	
DRAWING NO: PAGE 8	DRAWN BY: CFR
SCALE: NONE	
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REVISIONS	
[1]	
[2]	
[3]	

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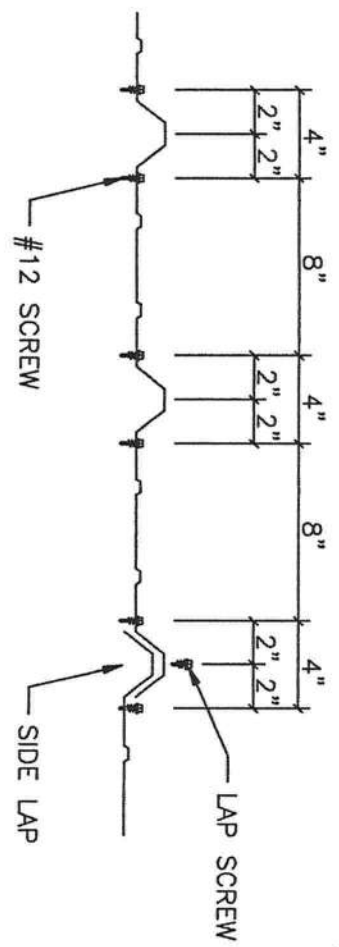
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1/24/08

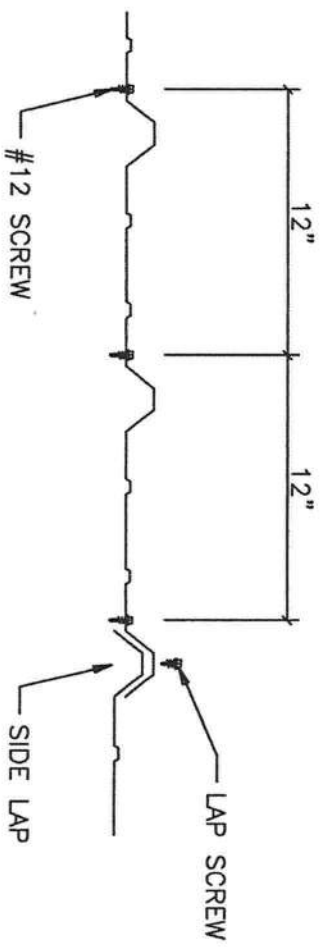


NOTES:

- [1] METAL SHAVINGS MUST BE SWEEP FROM THE ROOF EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.
- [2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE PURLINS. #14 LAP SCREWS ARE USED AT THE PANEL-TO-PANEL ATTACHMENTS. ALL FASTENERS ARE SELF-DRILLING.



DETAIL AT PANEL END



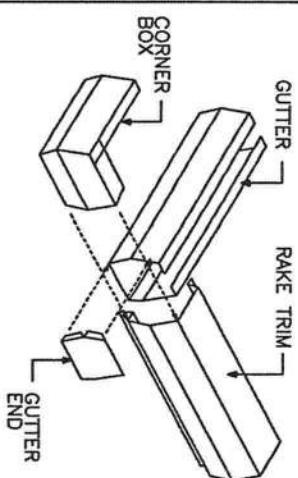
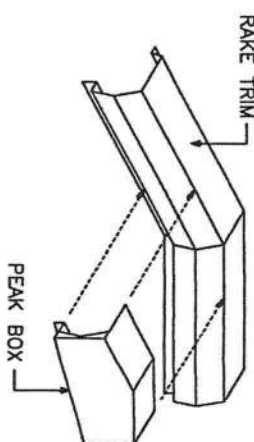
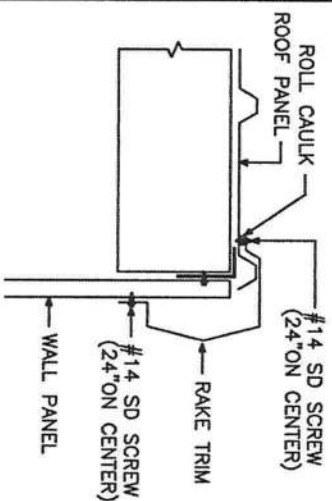
DETAIL AT INTERIOR OF PANEL
DETAIL AT HEADER/SILL
DETAIL AT PARTIAL WALL

 STEEL BUILDING SYSTEMS INC.			
CUSTOMER:			
RACINE CONSTRUCTION CO.			
JOB NO:		DATE:	
REVISIONS		08-01-012A	
[1]		LOCATION:	
		LAKE CITY, FL	
[2]		DRAWING NAME:	
		ENDWALL PANEL DETAILS	
[3]		DRAWING NO:	
		PAGE 8.1	
		DRAWN BY:	
		CFR	
		SCALE:	
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		CHECKED BY:	

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1/24/08

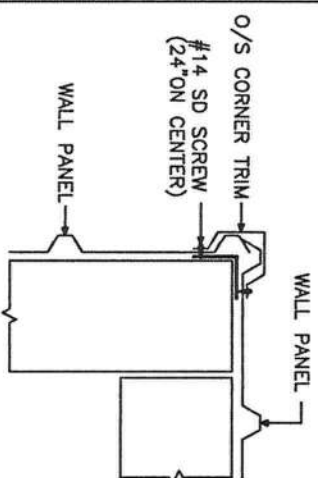
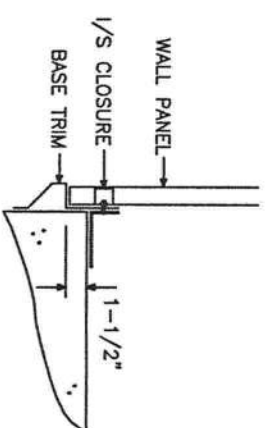
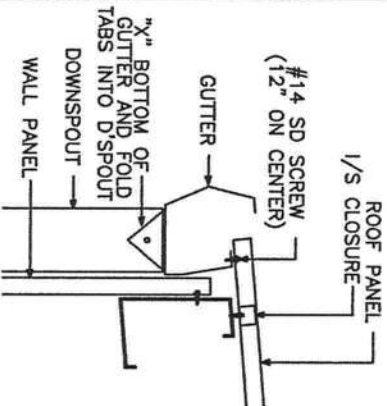


- TRIM NOTES:
- [1] SEAL TRIM SPLICES WITH TUBE CAULK.
 - [2] SECURE GUTTER SPLICES AND END PLUGS WITH RIVETS.
 - [3] SECURE ALL OTHER ROOF TRIM SPLICES WITH TRIM SCREWS UNLESS NOTED OTHERWISE.
 - [4] TRIM SCREWS ARE LOCATED 24" ON CENTER UNLESS NOTED OTHERWISE.

RAKE TRIM DETAIL

PEAK BOX DETAIL

GUTTER END DETAIL

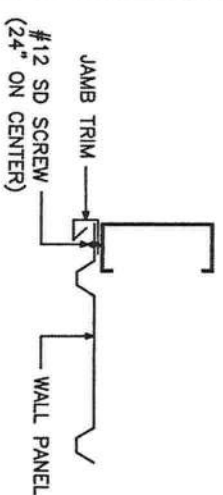
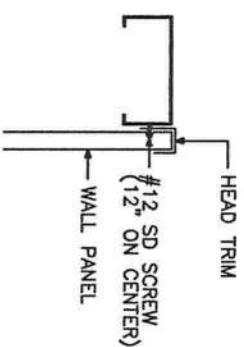
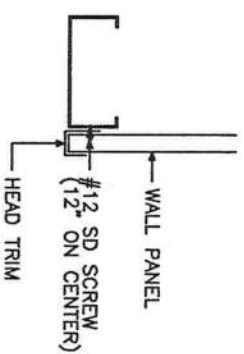


NOTE: INSTALL GUTTER STRAPS 3'0" ON CENTER.
NOTE: INSTALL D-SPOUT STRAPS 5'0" ON CENTER.

GUTTER DETAIL

BASE TRIM DETAIL

O/S CORNER DETAIL



HEAD TRIM DETAIL AT HEADER

HEAD TRIM DETAIL AT SILL

JAMB TRIM DETAIL AT JAMB

SBS STEEL BUILDING SYSTEMS INC.

CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012A

DATE: 1/24/08

LOCATION: LAKE CITY, FL

DRAWING NAME: TRIM DETAILS

SCALE: NONE

DRAWING NO: PAGE 9

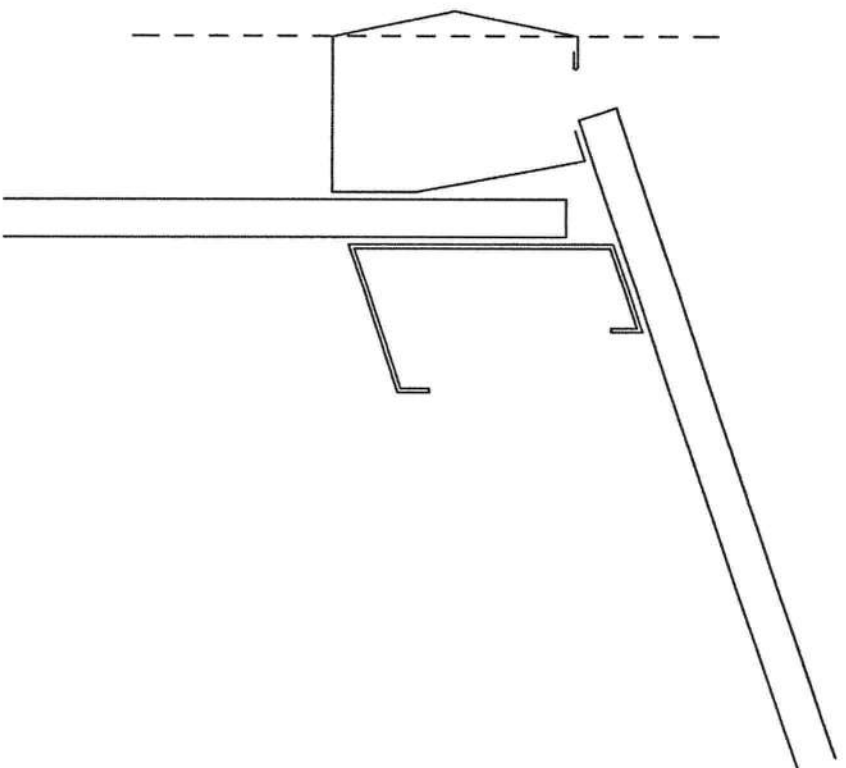
DRAWN BY: CFR

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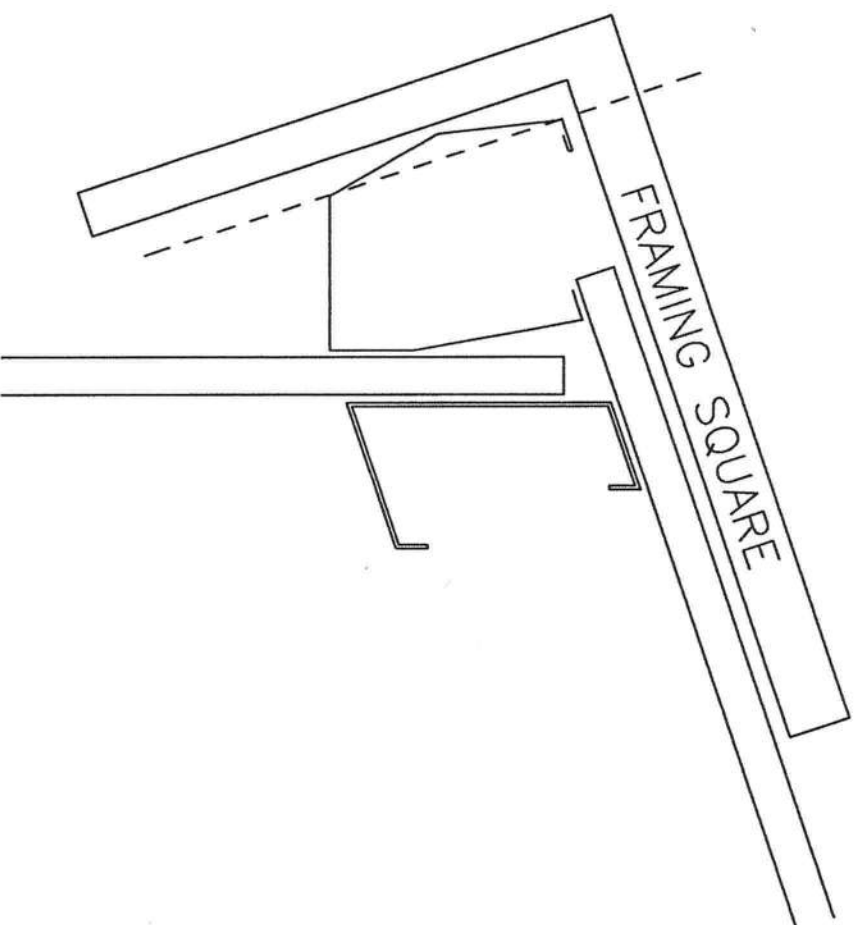
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[Signature]
1/24/08



DO NOT INSTALL GUTTER WITH
OUTSIDE FACE PERPENDICULAR
TO THE GROUND.



INSTALL GUTTER WITH
OUTSIDE FACE PERPENDICULAR
TO THE ROOF.

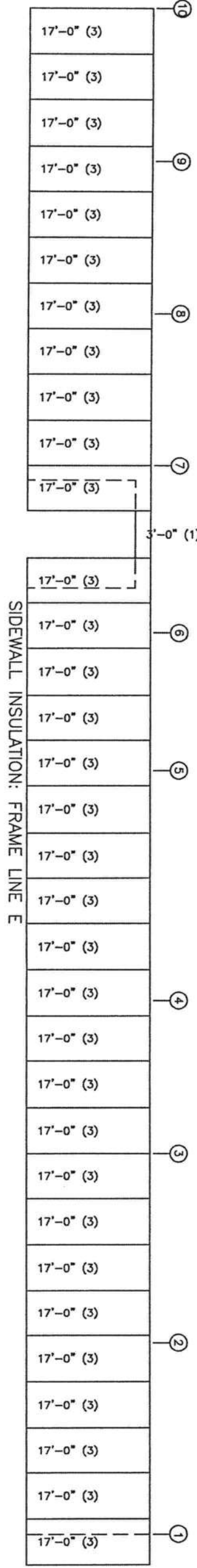
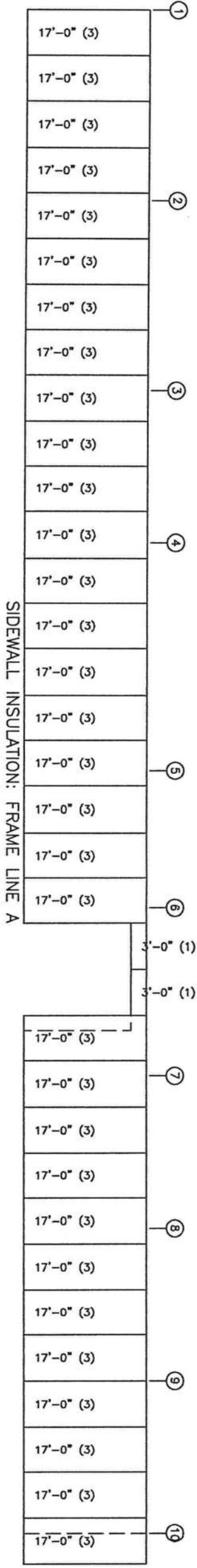
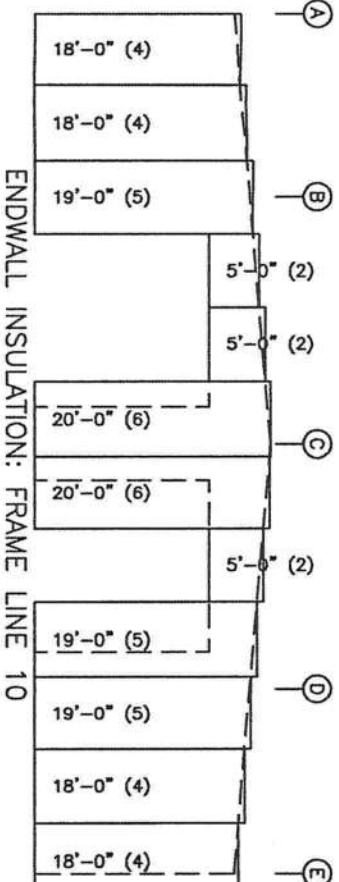
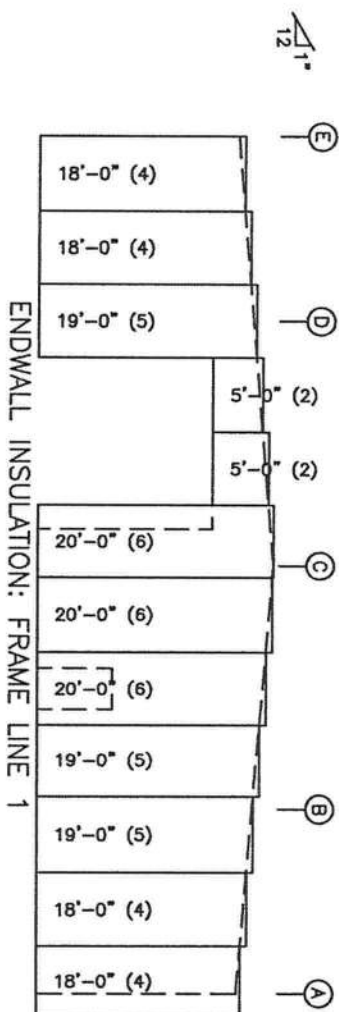
GUTTER INSTALLATION DETAIL

 STEEL BUILDING SYSTEMS INC.			
CUSTOMER: RACINE CONSTRUCTION CO.			
JOB NO: 08-01-012A		DATE: 1/24/08	
[1]	LOCATION: LAKE CITY, FL		
[2]	DRAWING NAME: GUTTER INSTALLATION DETAIL		SCALE: NONE
[3]	DRAWING NO: PAGE 9.1	DRAWN BY: CFR	CHECKED BY:
REVISIONS			

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[Signature]
1/16/08



WALL INSULATION TABLE				
FRAME LINE 1 A 10 E				
ROLL	QUAN	MARK	WIDTH	LENGTH
1	3	W-1	6'-0"	3'-0"
2	5	W-2	6'-0"	5'-0"
3	65	W-3	6'-0"	17'-0"
4	8	W-4	6'-0"	18'-0"
5	6	W-5	6'-0"	19'-0"
6	5	W-6	6'-0"	20'-0"

ROOF INSULATION TABLE			
FRAME LINE 1 A 10 E			
QUAN	MARK	WIDTH	LENGTH
34	R-1	6'-0"	73'-0"

LEGEND:
3'-0" (1)
LENGTH (ROLL #)



CUSTOMER:
RACINE CONSTRUCTION CO.

JOB NO:
08-01-012A

LOCATION:
LAKE CITY, FL

DRAWING NAME:
INSULATION LAYOUT

DRAWING NO:
PAGE 10

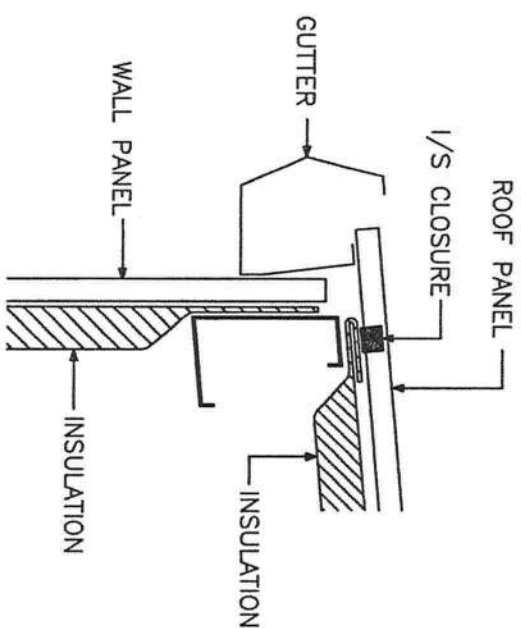
SCALE:
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CHECKED BY:

STRUCTURAL STAMP

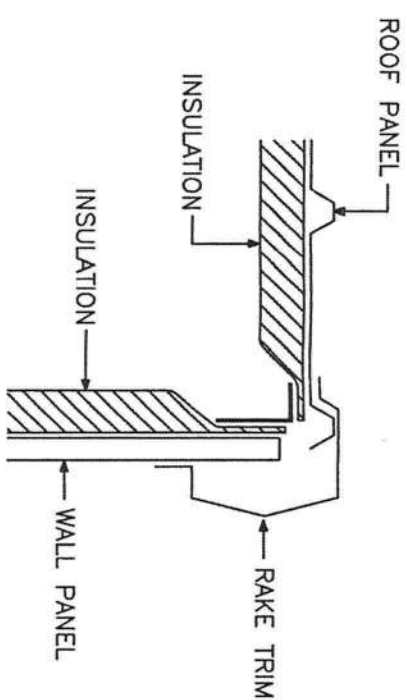
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TIFTON, GA 31793
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FAX (229) 387-6696
R.A. P.E. REG. NO. 42289

1/24/08

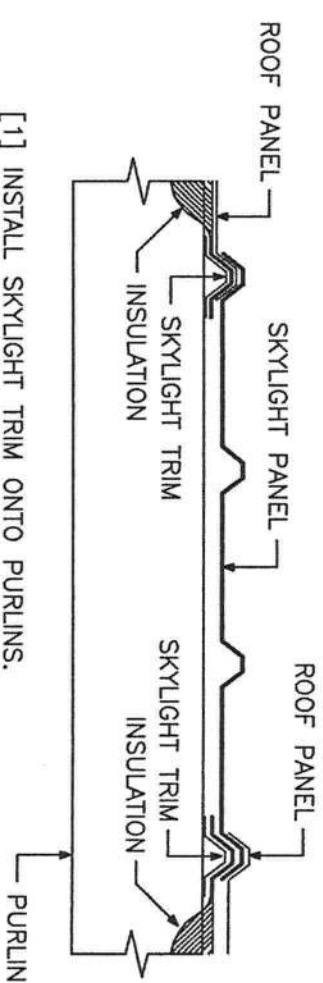


NOTE: FOLD ROOF INSULATION BACK 3" TO 6".

EAVE DETAIL

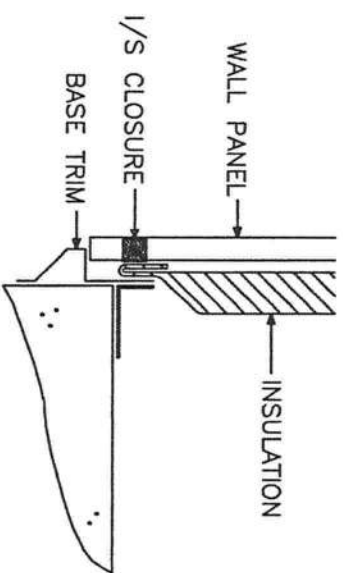


RAKE DETAIL



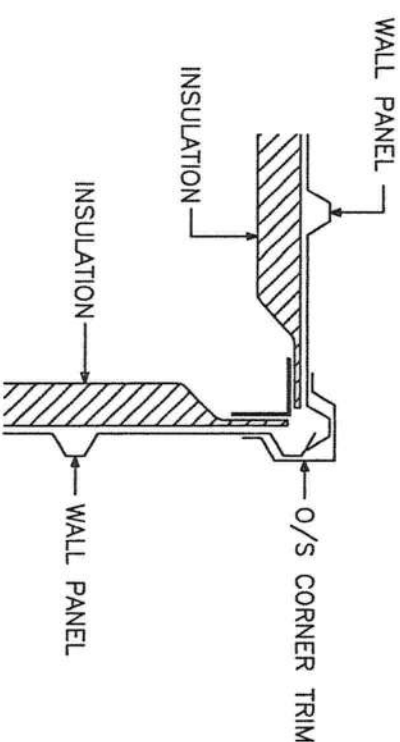
- [1] INSTALL SKYLIGHT TRIM ONTO PURLINS.
- [2] INSTALL INSULATION OVER SKYLIGHT TRIM.
- [3] INSTALL ROOF PANEL AND SKYLIGHT PANEL OVER INSULATION.
- [4] CUT OUT INSULATION FLUSH TO SKYLIGHT TRIM WITH A RAZOR KNIFE.

SKYLIGHT TRIM DETAIL



BASE DETAIL

NOTE: FOLD INSULATION BACK 3" TO 6".



CORNER DETAIL

CAUTION: FAILURE TO FOLD INSULATION BACK FROM THE PANEL EDGE AT THE BASE AND EAVE COULD RESULT IN PANEL DAMAGE AND WILL VOID THE PANEL WARRANTY.



CUSTOMER: RACINE CONSTRUCTION CO.

JOB NO: 08-01-012A

DATE: 1/24/08

LOCATION: LAKE CITY, FL

DRAWING NAME: INSULATION DETAILS

SCALE: NONE

DRAWING NO: PAGE 10.1

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[Handwritten Signature]
1/24/08