

BUILDING CRITERIA

Width (ft) = 50.0
Length (ft) = 100.0
Eave Height (ft) = 20.0/20.0
Roof Slope (Rise/12) = 3.0/3.0
Dead Load (psf) = 2.0
Collateral Load (psf) = 0.0
Roof Live Load (psf) = 20.0
Frame Live Load (psf) = 12.0
Wind Speed (mph) = 110.0
Wind Code = FBC 04
Exposure = B
Closed/Open/Partial = C
Importance - Wind = 1.00
Importance - Seismic = 1.00
Seismic Zone = A
Seismic Coeff (Fa*Sa) = 0.22

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.

REVISIONS

[1] 09/06/2006
[2]
[3]
[4]
[5]

FOR:

COSTAGNA CONSTRUCTION, INC.
FRANK PROJECT
P.O. BOX 1867
LAKE CITY, FLORIDA 32056
LOCATION: LAKE CITY, FLORIDA



FROM:

STEEL BUILDING SYSTEMS, INC.
320 STEVEN LANE - P.O. BOX 447
ADEL, GEORGIA 31620
PH(229)896-7428 FAX(229)896-2881

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

STRUCTURAL STAMP

JOB NO: 06-07-175

DATE: 07/13/2006

BY: MSS SCALE: NONE

TITLE: COVER PAGE

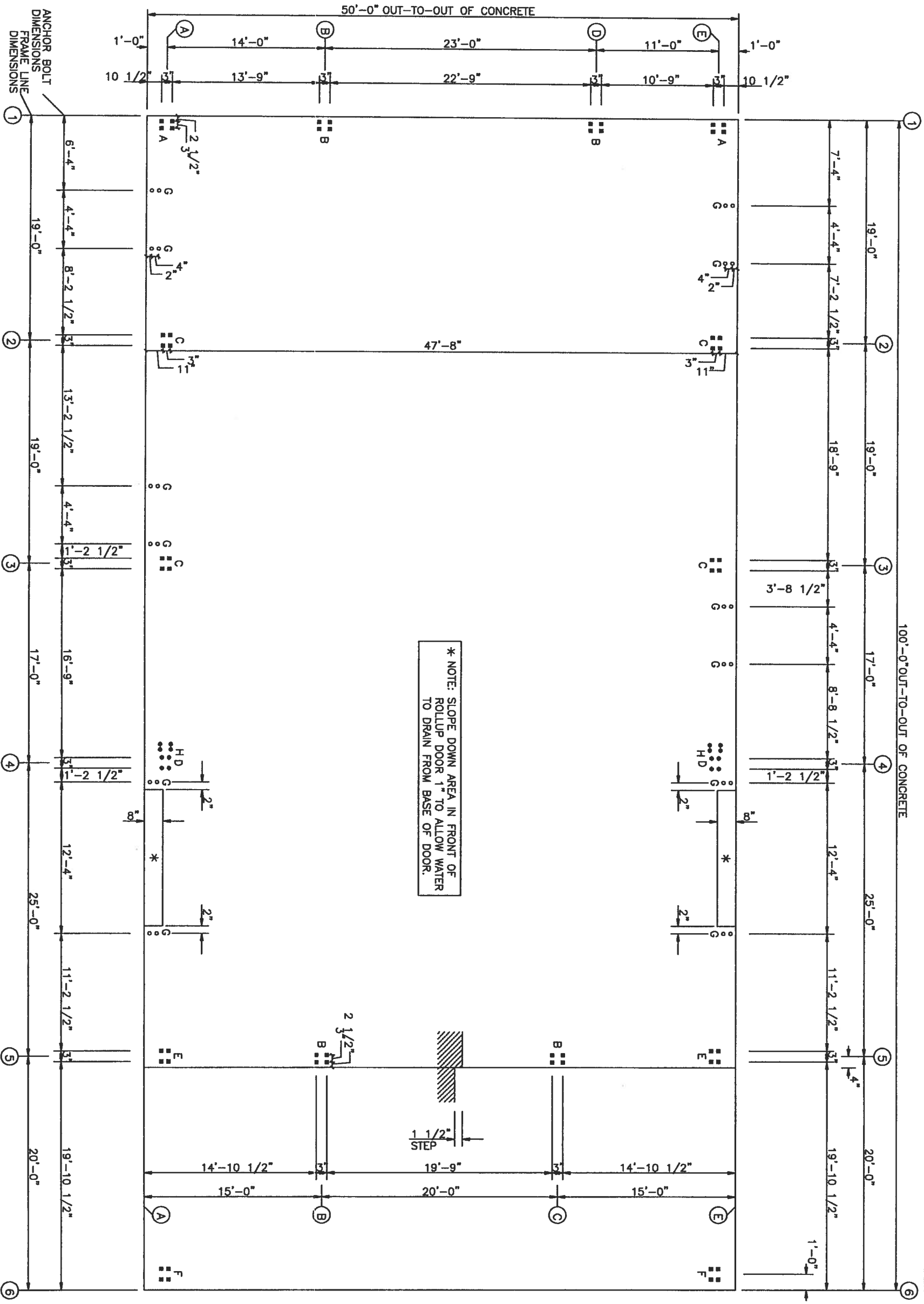
NUMBER:

APPROVED

(Subject to Revisions)
Inspection Department
Lake City Fire Dept.
State/Fire Inspector
License # 112877

Date: 10/4/06

○ DIA= 5/8"
⊗ DIA= 3/4"
⊕ DIA= 7/8"



ANCHOR BOLT PLAN

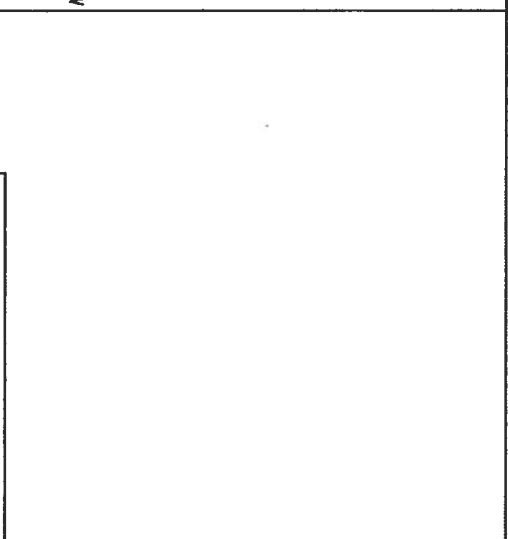
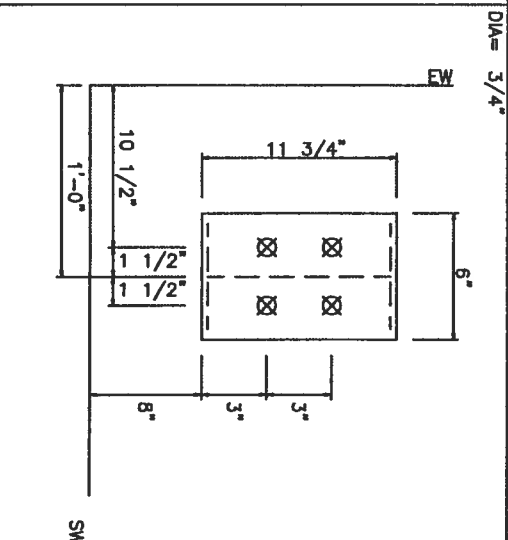
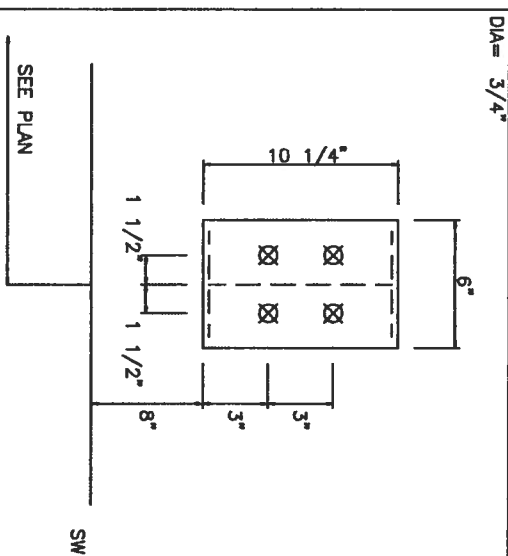
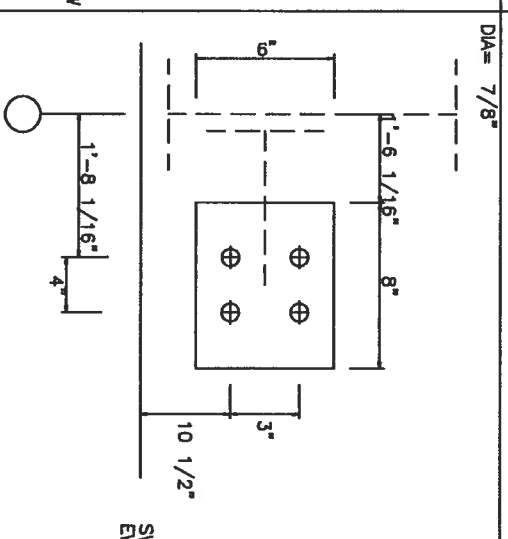
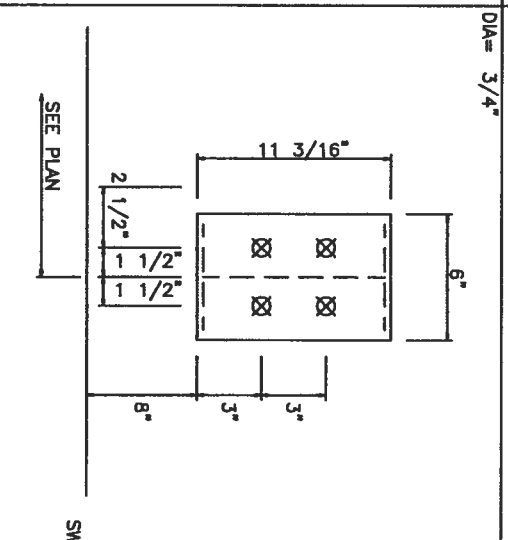
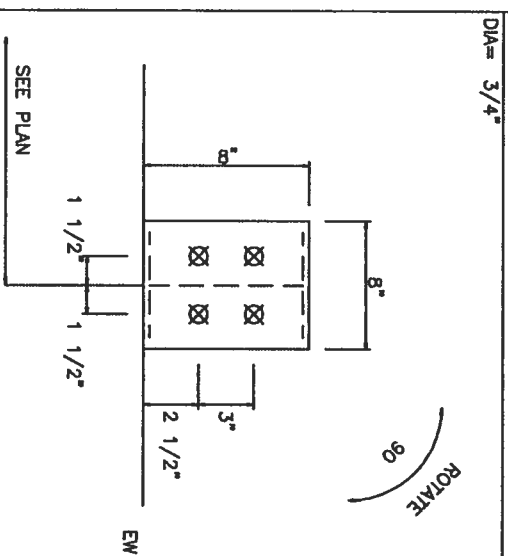
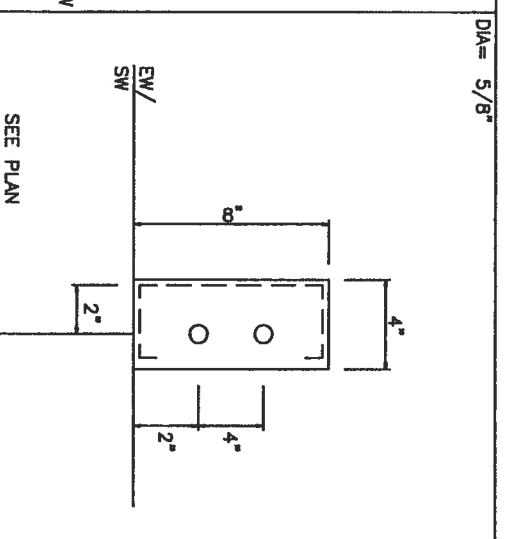
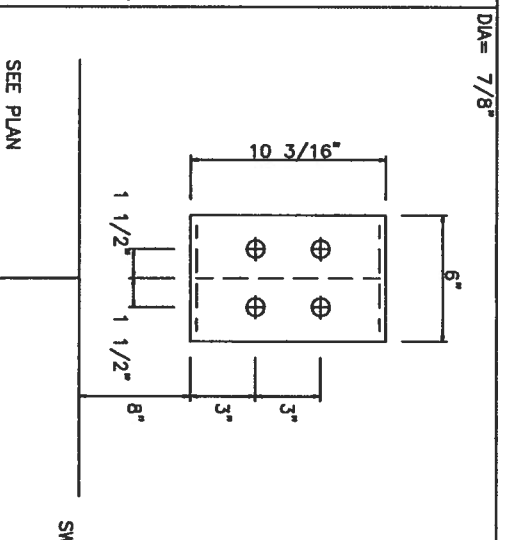
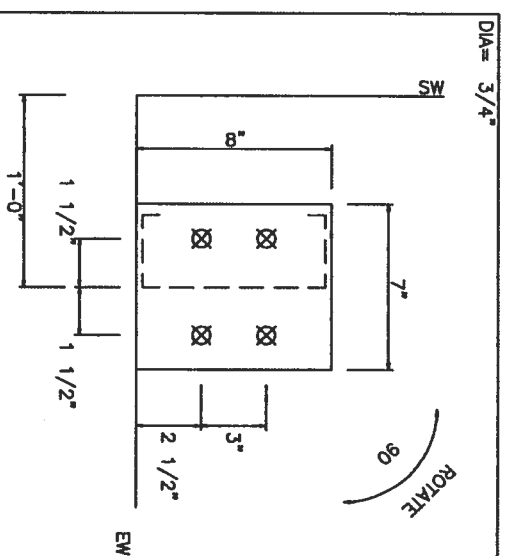
ANCHOR BOLT PLAN

REVISIONS		CUSTOMER:		JOB NO:		DATE:	
[1]		COSTAGNA CONSTRUCTION, INC.		06-07-175		7/13/06	
[2]		LAKE CITY, FLORIDA					
[3]		ANCHOR BOLT LAYOUT					
		DRAWING NO: PAGE 1		DRAWN BY: MSS		CHECKED BY: HEP	

STRUCTURAL STAMP

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 367-1205
FAX (229) 367-0775
FLA. P.E. REG. NO. 42209

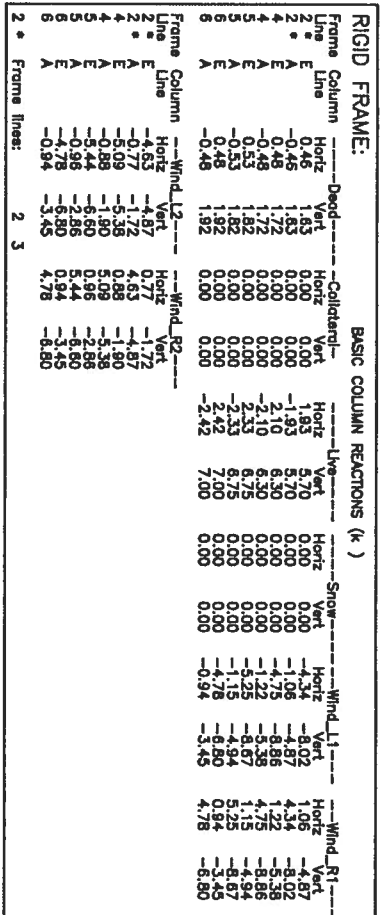
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 STEEL BUILDING SYSTEMS, INC.	
CUSTOMER: COSTAGNA CONSTRUCTION, INC.	
JOB NO: 06-07-175	DATE: 7/13/06
REVISIONS	
[1]	LOCATION: LAKE CITY, FLORIDA
[2]	DRAWING NAME: ANCHOR BOLT DETAILS
[3]	DRAWING NO: PAGE 1.1
	SCALE: NONE
	CHECKED BY: HEF
	DRAWN BY: MSS

STRUCTURAL STAMP

12/11/20

[illegible][illegible][illegible]

	± Reactions (%)	Panel Strength (kN)	Panel Stiffness (kN/mm)	Panel Ductility (mm)	Panel Energy (kN·m)	Panel Failure Mode
Well- Line	12	0.4	11	0.4	0.750	0.0
Col Line	12	4.8	0.4	11	-4.4	0.4
Horiz Line	12	0.0	0.1	2	0.750	7.000

- 0
1
Bracing Not Used
Wind Column in End
SW A Full in End
E A Full in End
SW E Wind Column in Wall

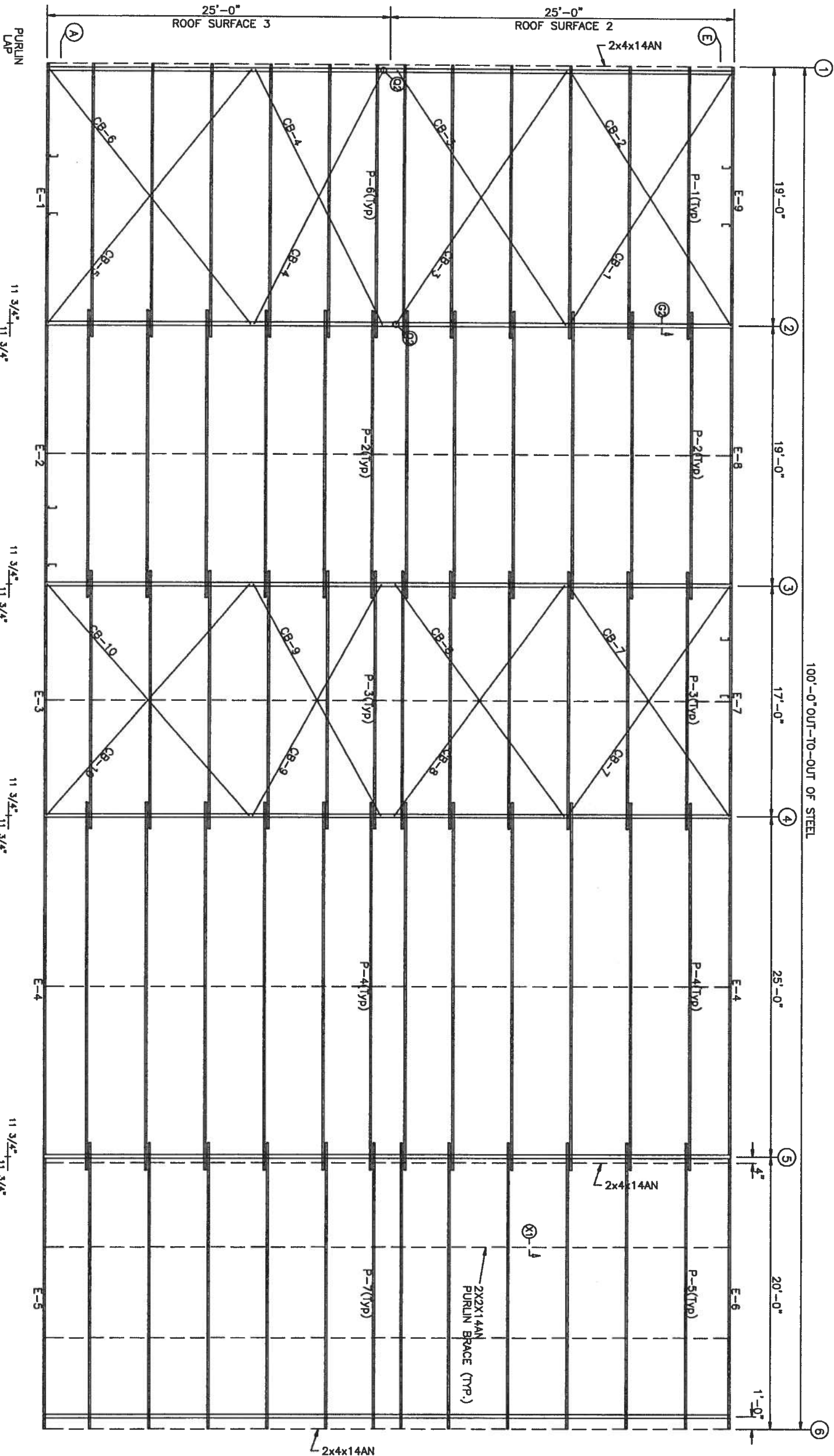
Qty	Loc	Dis (in)	Projection (in)
24	DJ	5/8"	1.50
24	EW	3/4"	1.50
32	RF	7/8"	2.50
32	RF	7/8"	2.50
32	WF	7/8"	2.50

- | Wind | L | R | 4 | E | A | F _{SW} |
|---------|---|---|---|---|---|-----------------|
| Seismic | | | | | | |
| Wind | | | | | | |
| Seismic | | | | | | |
-

16/10/06

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31703
PHONE (229) 387-1795
FAX (229) 387-6006
FLA. P.E. REG. NO. 42289

MEMBER TABLE			
ROOF PLAN			
MARK	PART	LENGTH	
P-1	8x25Z16	19'-11 1/2"	1/2"
P-2	8x25Z16	20'-11 1/2"	1/2"
P-3	8x25Z14	18'-11 1/2"	1/2"
P-4	8x25Z14	26'-11 1/2"	1/2"
P-5	8x25Z14	20'-11 1/2"	1/2"
P-6	8x25Z16	19'-11 1/2"	1/2"
P-7	8x25Z14	20'-11 1/2"	1/2"
E-1	8ES14@3	18'-11 1/2"	1/2"
E-2	8ES14@3	18'-11 1/2"	1/2"
E-3	8ES14@3	24'-11 1/2"	1/2"
E-4	8ES14@3	19'-11 1/2"	1/2"
E-5	8ES14@3	19'-11 1/2"	1/2"
E-6	8ES14@3	16'-11 1/2"	1/2"
E-7	8ES14@3	16'-11 1/2"	1/2"
E-8	8ES14@3	18'-11 1/2"	1/2"
E-9	8ES14@3	21'-10 1/8"	1/8"
CB-1	1/4 CBL	21'-3"	1/4"
CB-2	1/4 CBL	22'-4 15/16"	1/4"
CB-3	1/4 CBL	20'-10 5/16"	1/4"
CB-4	1/4 CBL	22'-10 5/8"	1/4"
CB-5	1/4 CBL	23'-7 3/16"	1/4"
CB-6	1/4 CBL	19'-4 3/4"	1/4"
CB-7	1/4 CBL	21'-0 1/2"	1/4"
CB-8	1/4 CBL	19'-4 9/16"	1/4"
CB-9	1/4 CBL	20'-11 7/8"	1/4"
CB-10	1/4 CBL		



SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER: COSTAGNA CONSTRUCTION, INC.

JOB NO: 06-07-175 DATE: 7/13/06

LOCATION: LAKE CITY, FLORIDA

DRAWING NAME: ROOF FRAMING LAYOUT

DRAWING NO: PAGE 2

ROY A. SPIKER
P.O. BOX 7761
TIFTON GA 31793
PHONE (229) 367-6695
FAX (229) 367-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

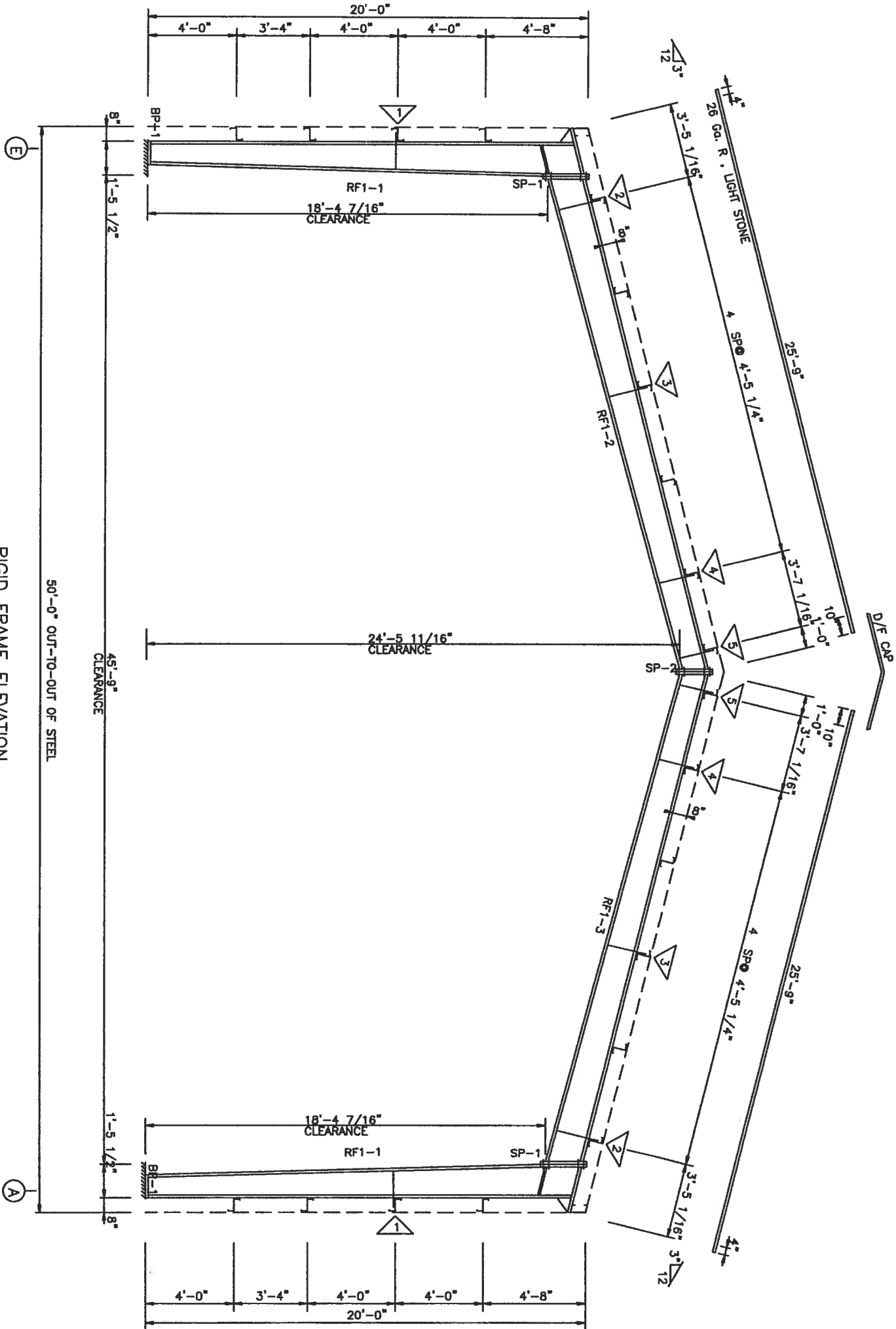
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FLANGE BRACE TABLE			
FRAME LINE		2	3
V/D SIDES	MARK	LENGTH	
1	2	FB10	2'-5 3/4"
3	2	FB15	2'-7"
4	2	FB1	2'-6"
5	2	FB2	2'-5 1/16"
			2'-4 3/4"

SPICE BOLTS		-----BOLT-----			
SPICE MARK	QUAN	TOP/BOT	N/T TYPE	DA	LEN
SP- 1	4	4	0	A325	3/4" 2 1/2"
SP- 2	4	4	0	A325	5/8" 2 1/2"

BASE PLATES		PLATE SIZE	
COL ID	WID	THICK	Length
BP- 1	6"	1/2"	10 1/4"

MEMBER SIZE TABLE			
PIECE	WEB DEPTH	OUTSIDE FLANGE	
	START/END	W x T	A LEN
RF1-1	9'-7 1/10	5x11/4" x18"-5"	5x17/4" x17'-11 7/16"
RF1-2	17'-0/12'-8	5x11/4" x22'-0"	5x19'-0"
RF1-3	12'-8/12'-0	5x11/4" x4'-4"	5x15/16"
	12'-0/12'-8	5x11/4" x4'-4"	5x15/16"
	12'-8/12'-0	5x11/4" x19'-0"	5x19'-0"



RIGID FRAME ELEVATION
FOR FRAME LINE 2 3

CUSTOMER:			
SBS STEEL BUILDING SYSTEMS, INC.			
COSTAGNA CONSTRUCTION, INC.			
JOB NO:	06-07-175	DATE:	7/27/06
LOCATION:	LAKE CITY, FLORIDA		
DRAWING NAME:	RIGID FRAME CROSS SECTION		
DRAWING NO:	PAGE 2.1	DRAWN BY:	SCALE: NONE
		MSS	CHECKED BY:

STRUCTURAL STAMP

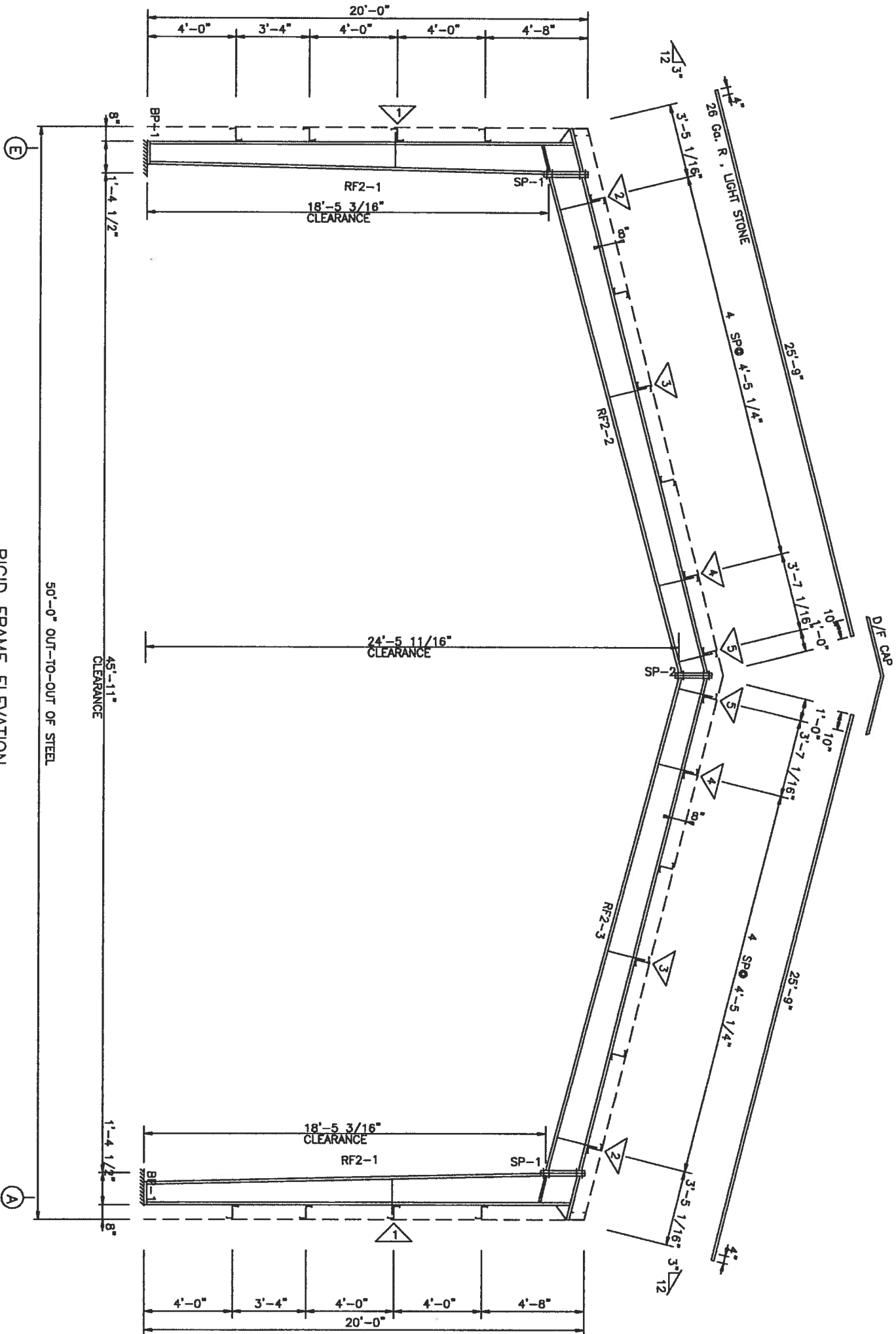
10/1/10

FLANGE BRACE TABLE		
FRAME LINE 4		
V/D	SIDES	MARK
1	2	FB7
2	2	FB14
3	2	FB9
4	2	FB4
5	2	FB1
		2'-5 7/16"
		2'-6 1/2"
		2'-5 1/16"
		2'-4 11/16"

SPLICE BOLTS		
SPLICE	QUAN	-----BOLT-----
MARK	TOP/BOT/INT	TYPE DIA LEN
SP-1	4	4 A325 3/4" 2 1/2"
SP-2	4	4 A325 3/4" 2 1/2"

BASE PLATES		
COL	PLATE SIZE	
ID	WID THICK	Length
BP-1	6" 5/8"	10 1/4"

MEMBER SIZE TABLE		
PIECE	WEB DEPTH	WEB PLATE
START/END	THICK	LENGTH
RF2-1	9.7/16.0	0.134 19'-8 15/16"
RF2-2	16.0/12.6	0.134 19'-11"
RF2-3	12.0/12.6	0.134 3'-11 1/16"
	12.6/16.0	0.134 19'-1"
		5x1 1/4" x18'-4 7/8"
		5x1 1/4" x18'-0 15/16"
		5x1 1/4" x19'-0"
		5x1 1/4" x4'-6"
		5x1 1/4" x19'-0"
		5x1 1/4" x19'-0"
		5x1 1/4" x4'-7"
		5x1 1/4" x4'-7"
		5x1 1/4" x19'-0"



RIGID FRAME ELEVATION
FOR FRAME LINE 4

SBS STEEL BUILDING SYSTEMS, INC.		
CUSTOMER: COSTAGNA CONSTRUCTION, INC.		
JOB NO:	06-07-175	DATE: 7/27/06
LOCATION:	LAKE CITY, FLORIDA	
DRAWING NAME:	RIGID FRAME CROSS SECTION	
DRAWING NO:	PAGE 2.2	DRAWN BY: MSS
REVISIONS		
[1]		
[2]		
[3]		

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 267 6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

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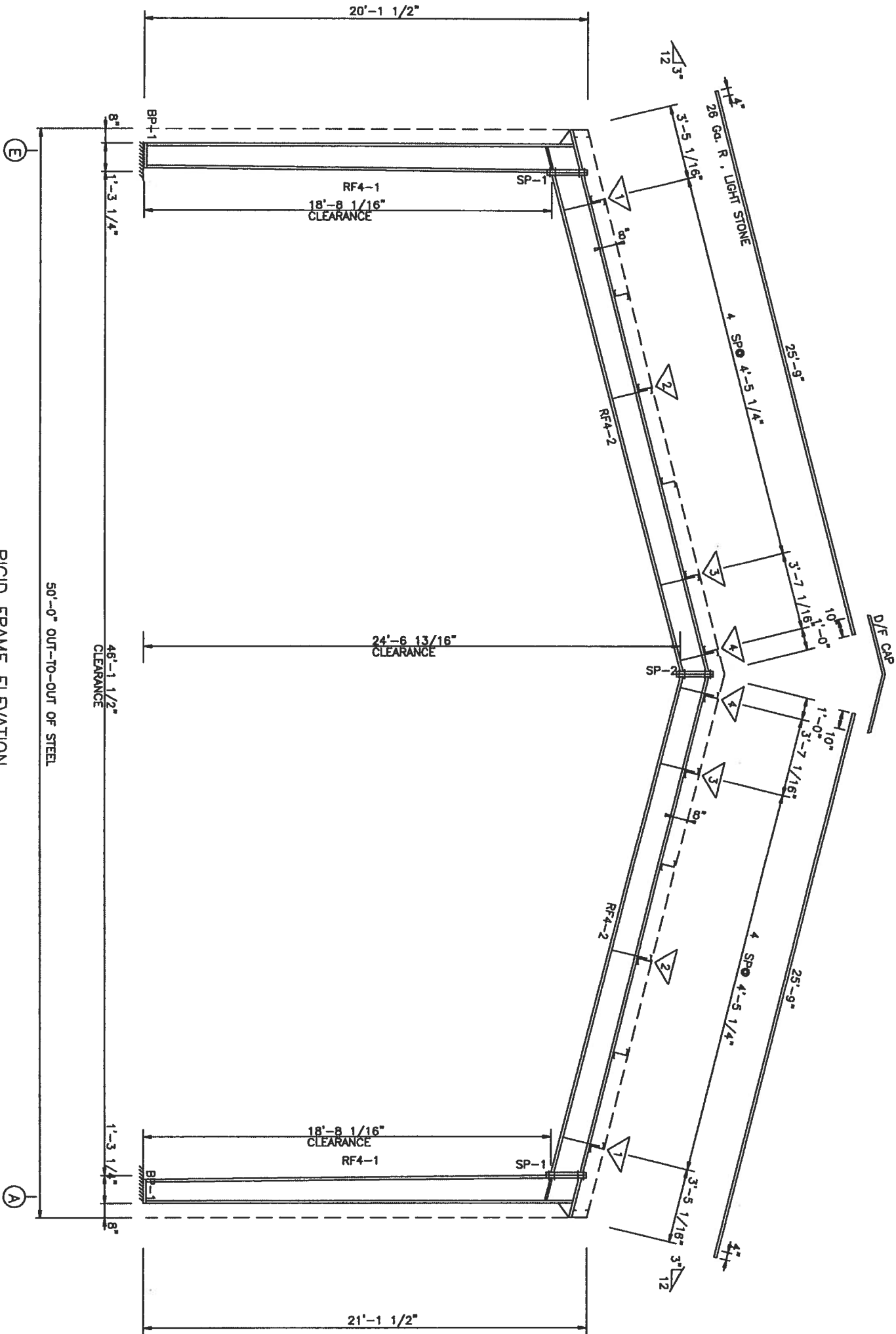
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FLANGE BRACE TABLE		
FRAME LINE 9		
VID	SIDES	MARK
1	1	FB8
2	1	FB6
3	1	FB3
4	1	FB1
		LENGTH
		2'-5 1/2"
		2'-5 3/16"
		2'-4 13/16"
		2'-4 11/16"

SPICE BOLTS		
SPICE	QUAN	-----BOLT-----
MARK	TOP/BOT/INT	TYPE DIA LEN
SP-1	4	4 A325 1" 3 1/2"
SP-2	4	4 A325 5/8" 2 1/2"

BASE PLATES		
COL	PLATE SIZE	
ID	WID THICK	Length
BP-1	6" 1/2"	11 3/4"

MEMBER SIZE TABLE			
PIECE	WES DEPTH	WES BOLT	
	WES END	THICK	FLANG
RF4-1	10.5/14.0	0.134	18'-2 5/16"
RF4-1	14.0/14.0	0.188	1'-6 13/16"
RF4-2	14.0/12.3	0.134	19'-11"
RF4-2	12.3/12.0	0.134	3'-11 11/16"



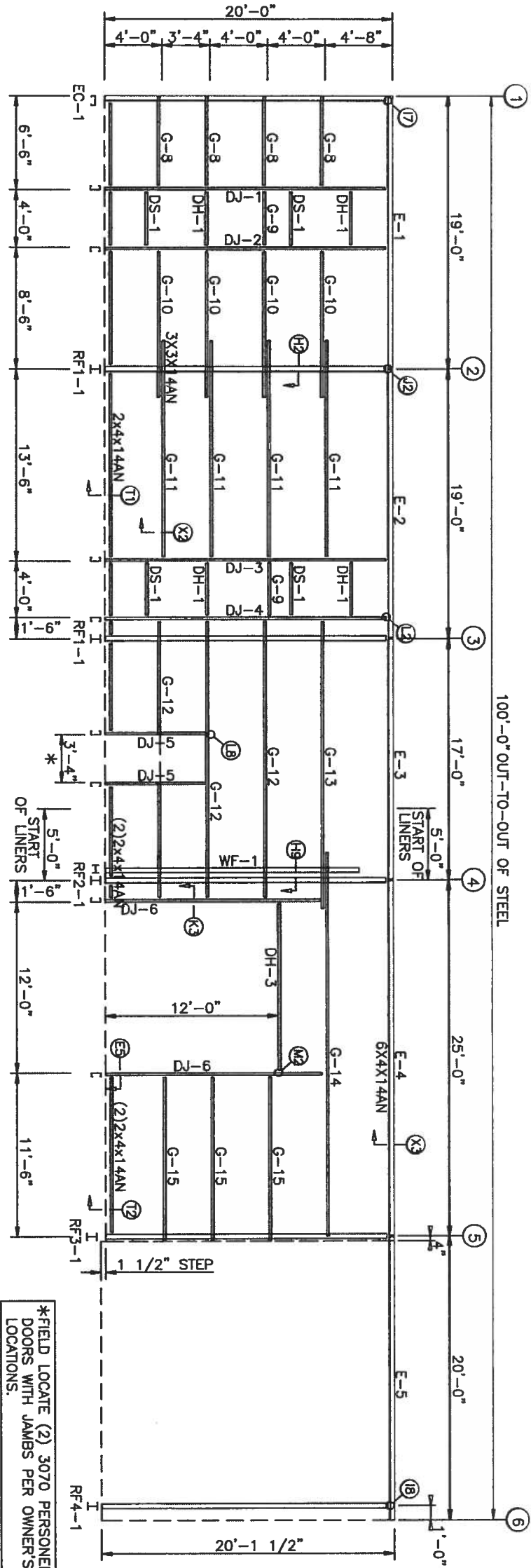
RIGID FRAME ELEVATION
FOR FRAME LINE 9

SBS STEEL BUILDING SYSTEMS, INC.		
CUSTOMER: COSTAGNA CONSTRUCTION, INC.		
JOB NO: 06-07-175		
DATE: 7/27/06		
LOCATION: LAKE CITY, FLORIDA		
DRAWING NAME: RIGID FRAME CROSS SECTION		
SCALE: NONE		
DRAWING NO: PAGE 2.4		
DRAWN BY: MSS		
CHECKED BY:		

STRUCTURAL STAMP

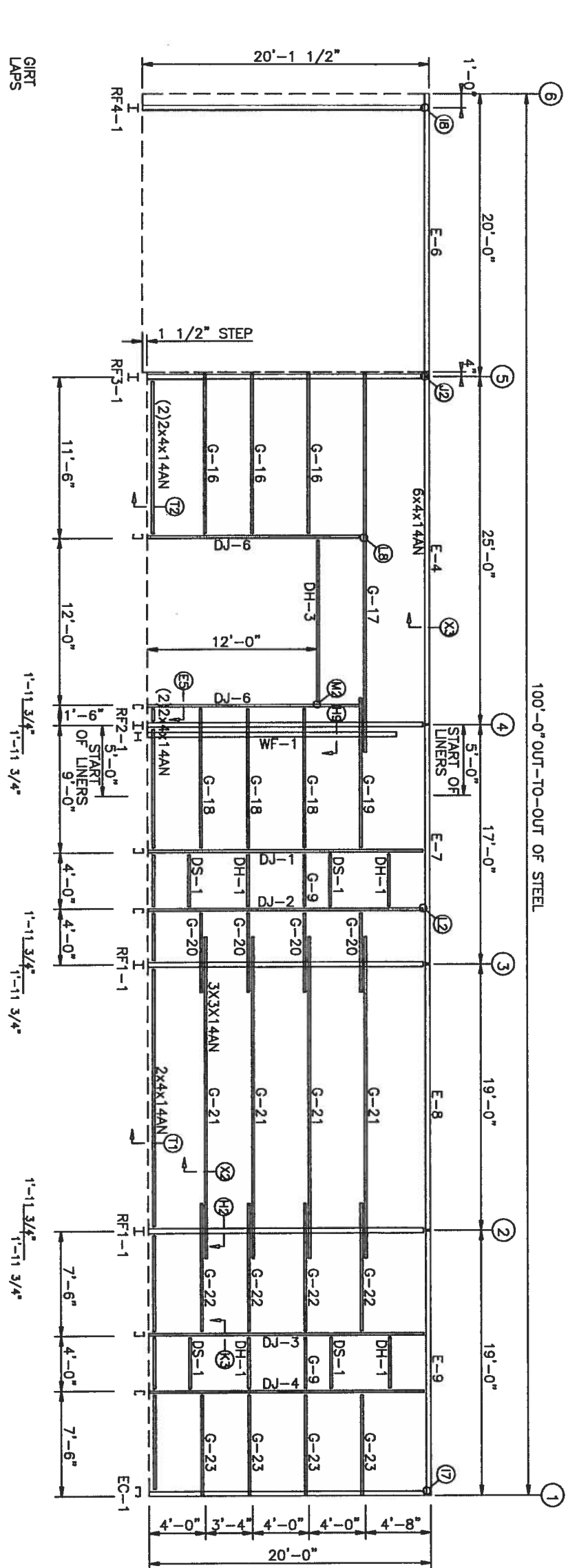
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BOLT TABLE			
FRAME LINE A & E		QUAN	TYPE DIA LENGTH
LOCATION			
WF-1	- RF2-1	8	A325 5/8" 1 1/2"



MEMBER TABLE			
FRAME LINE A & E		QUAN	TYPE DIA LENGTH
MARK PART			
WF-1	B22X25	18	0 3/4"
DJ-1	8X35C14	19	5 3/4"
DJ-2	8X35C14	19	5 3/4"
DJ-3	8X35C14	19	5 3/4"
DJ-4	8X35C14	19	5 3/4"
DJ-5	8X35C14	7	4 3/4"
DJ-6	8X35C14	15	4 3/4"
DH-1	8X35C14	4	0 3/4"
DH-3	8X35C14	12	0 3/4"
DS-1	8ES1403	18	1 1/2"
E-1	8ES1403	18	1 1/2"
E-2	8ES1403	16	1 1/2"
E-3	8ES1403	16	1 1/2"
E-4	8ES1403	24	1 1/2"
E-5	8ES1403	19	1 1/2"
E-6	8ES1403	19	1 1/2"
E-7	8ES1403	16	1 1/2"
E-8	8ES1403	18	1 1/2"
E-9	8ES1403	18	1 1/2"
G-8	8X25Z16	6	1 1/2"
G-9	8X25Z16	3	1 1/2"
G-10	8X25Z16	10	1 1/2"
G-11	8X25Z16	15	1 1/2"
G-12	8X25Z16	19	1 1/2"
G-13	8X25Z16	20	1 1/2"
G-14	8X25Z12	27	1 1/2"
G-15	8X25Z16	11	1 1/2"
G-16	8X25Z16	11	1 1/2"
G-17	8X25Z16	27	1 1/2"
G-18	8X25Z16	9	1 1/2"
G-19	8X25Z16	10	7 1/2"
G-20	8X25Z16	5	7 1/2"
G-21	8X25Z16	22	1 1/2"
G-22	8X25Z16	9	1 1/2"
G-23	8X25Z16	7	1 1/2"

SIDEWALL FRAMING: FRAME LINE A
100'-0" OUT-TO-OUT OF STEEL



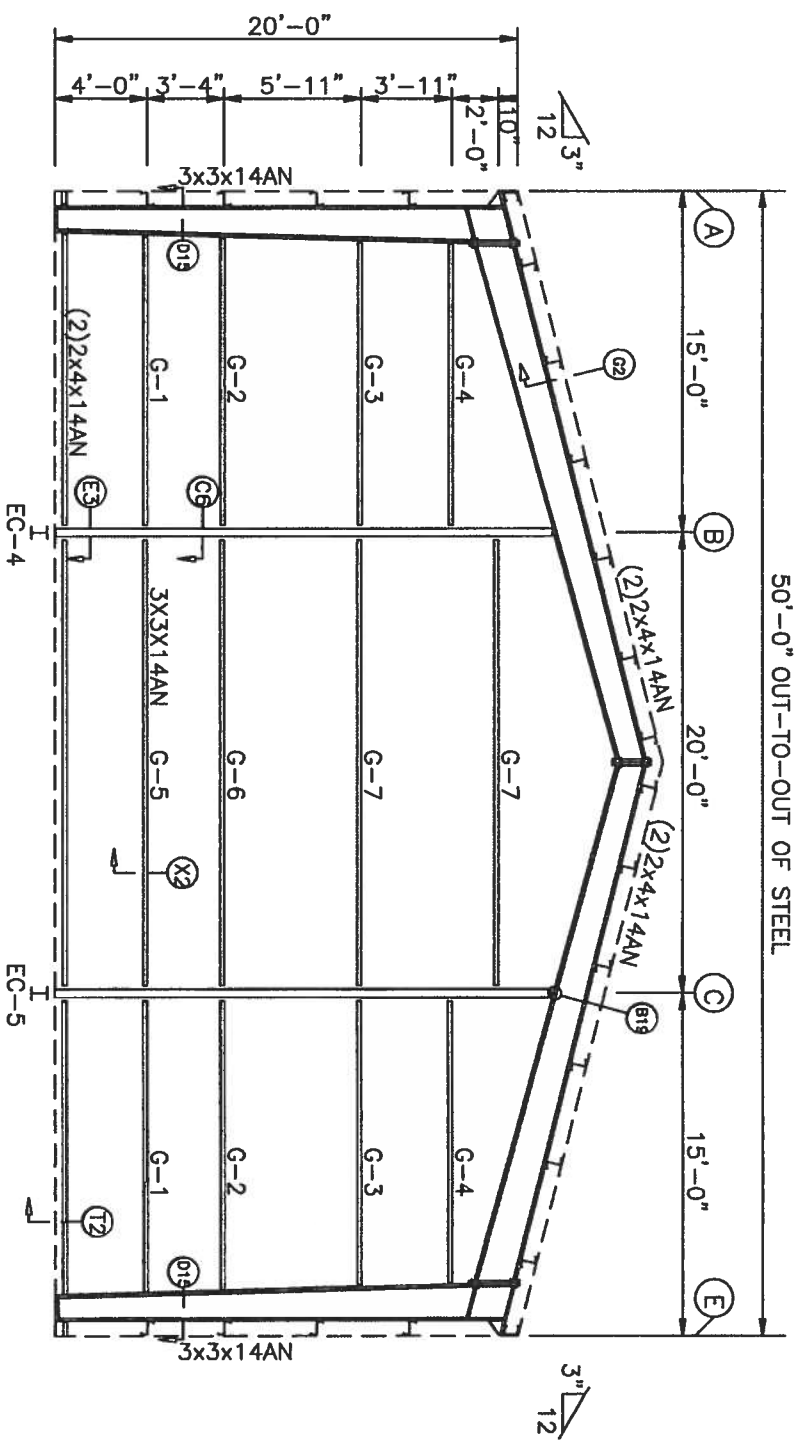
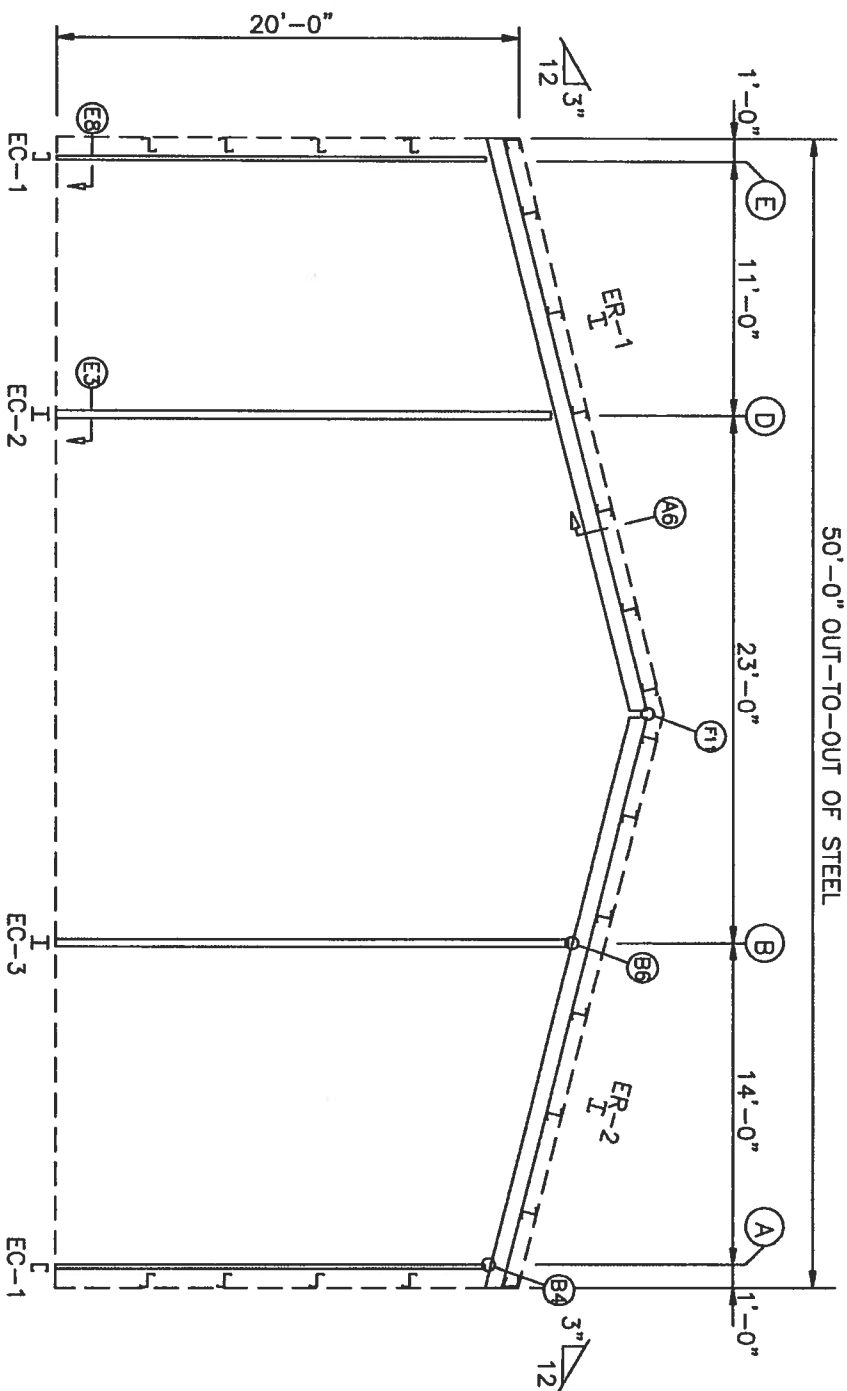
SIDEWALL FRAMING: FRAME LINE E

SBS STEEL BUILDING SYSTEMS, INC.			
CUSTOMER:		COSTAGNA CONSTRUCTION, INC.	
JOB NO:		06-07-175	
LOCATION:		LAKE CITY, FLORIDA	
DRAWING NAME:		SIDEWALL FRAMING LAYOUT	
DRAWING NO:		PAGE 3	
DATE:		7/13/06	
SCALE:		NONE	
CHECKED BY:		MSS	

ROY A. SPIKER
P.O. BOX 77 1
TITTON CA, CA 95953
PHONE (424) 4695
FAX (229) 387-6166
FLA. P.E. REG. NO. 42289

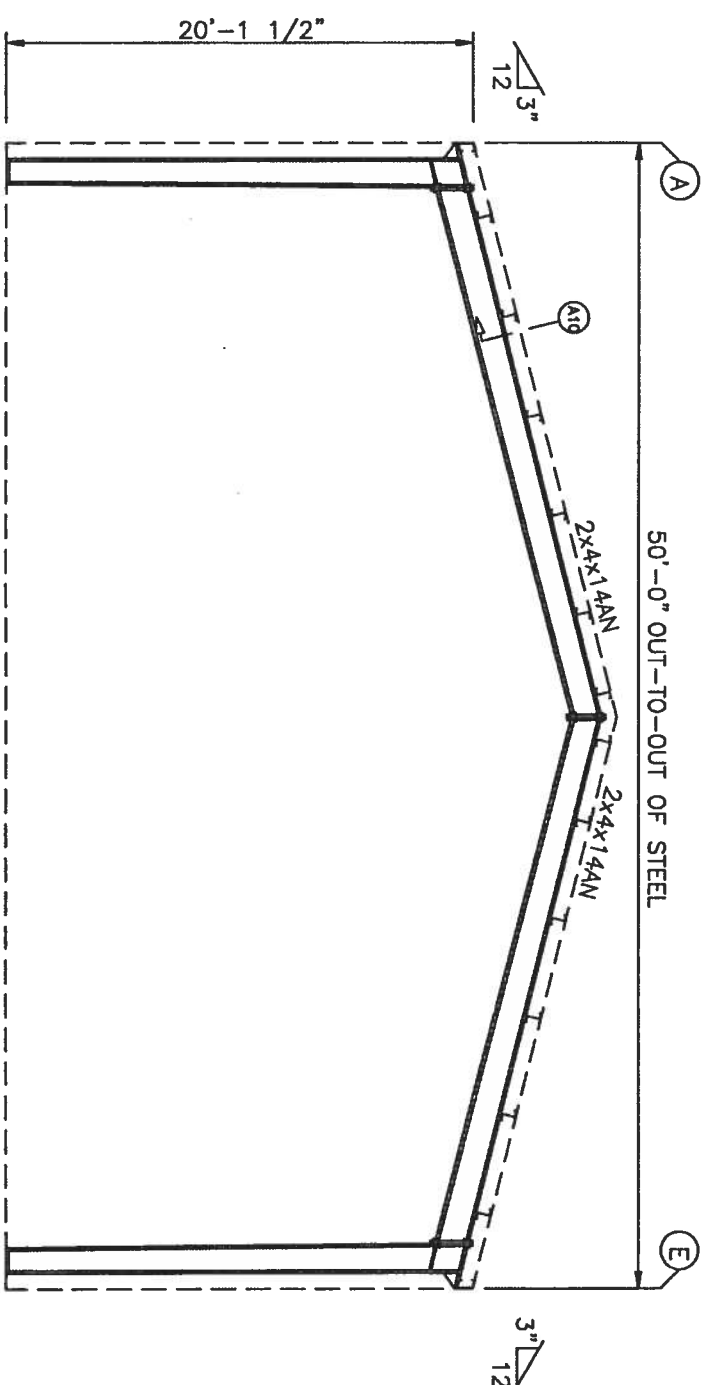
STRUCTURAL STAMP

[Signature]



ENDWALL FRAMING: FRAME LINE 1

ENDWALL FRAMING: FRAME LINE 5



ENDWALL FRAMING: FRAME LINE 6

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

MEMBER TABLE			
FRAME LINE 1 & 5	PART	LENGTH	LENGTH
EC-1	8X35C14	18'-7 1/2"	1 1/2"
EC-2	8X18.6	21'-4 1/2"	1 1/2"
EC-3	8X20.4	22'-1 1/2"	1 1/2"
EC-4	8X16	21'-9 1/8"	1 1/8"
EC-5	8X16	21'-9 1/8"	1 1/8"
ER-1	8X7DC12	25'-11"	1 1/8"
ER-2	8X7DC12	25'-11"	1 1/8"
G-1	8X25Z16	12'-10 11/16"	1 1/16"
G-2	8X25Z16	12'-9 5/16"	1 5/16"
G-3	8X25Z16	12'-6 15/16"	1 5/16"
G-4	8X25Z16	12'-5 5/16"	1 5/16"
G-5	8X25Z16	19'-3 1/2"	1 1/2"
G-6	8X25Z14	19'-3 1/2"	1 1/2"
G-7	8X25Z12	19'-3 1/2"	1 1/2"

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 887-069
FAX (229) 887-0696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:
COSTAGNA CONSTRUCTION, INC.

JOB NO.: 06-07-175
DATE: 7/13/06

LOCATION:
LAKE CITY, FLORIDA

DRAWING NAME:
ENDWALL FRAMING LAYOUT

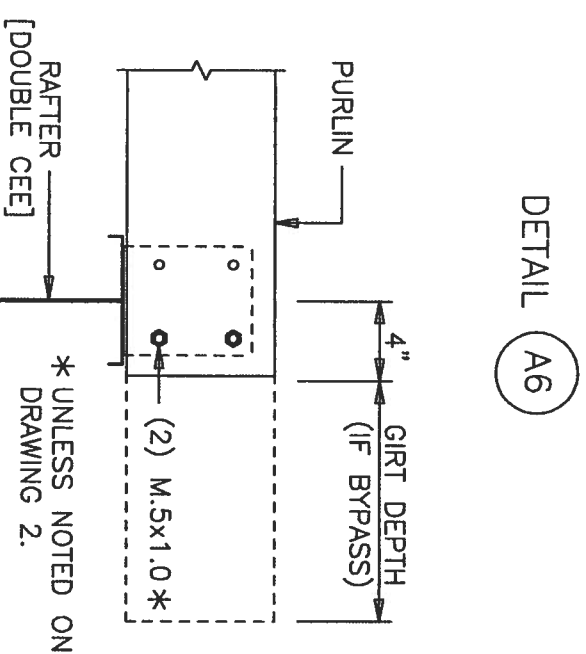
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PAGE 4

SCALE:
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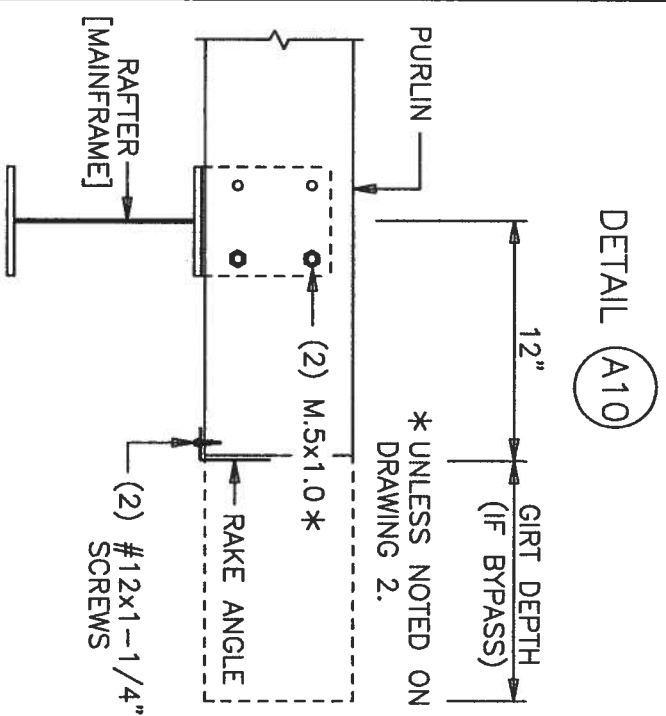
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MSS

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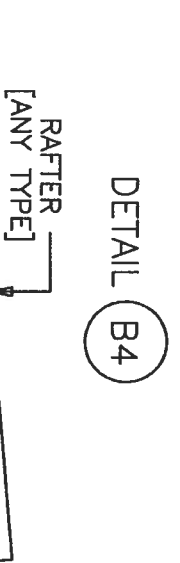
10/17/06



PURLIN TO ENDWALL RAFTER

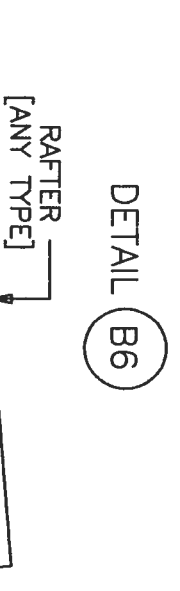


PURLIN TO ENDWALL RAFTER



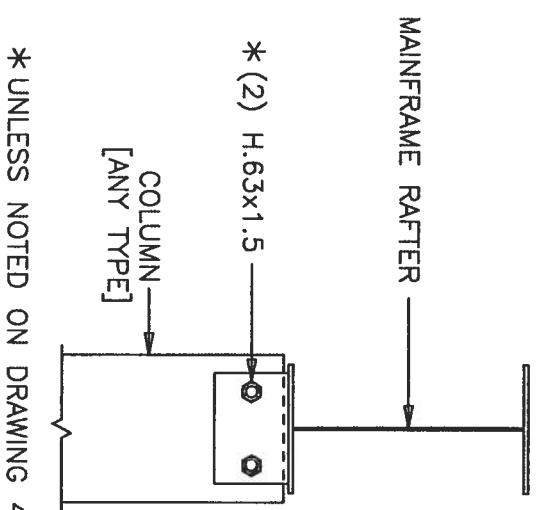
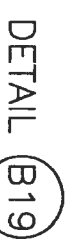
* UNLESS NOTED ON DRAWING 4.

CEE COLUMN / RAFTER CONNECTION



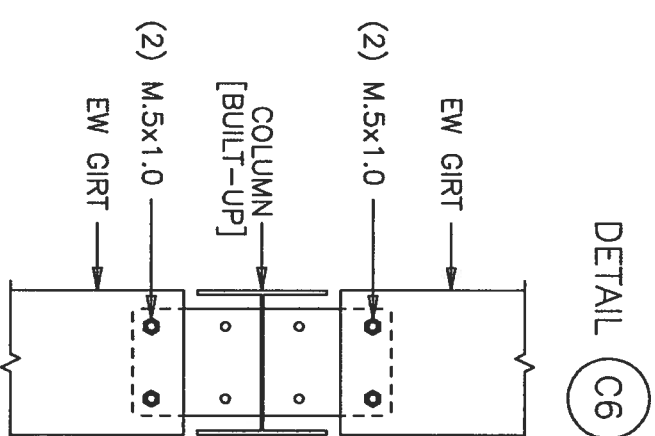
* UNLESS NOTED ON DRAWING 4.

BUILT-UP COLUMN / RAFTER CONNECTION

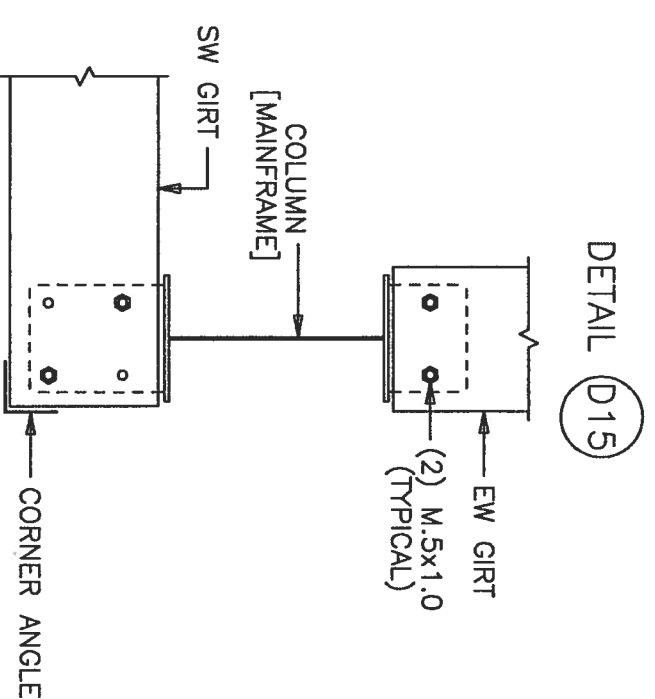


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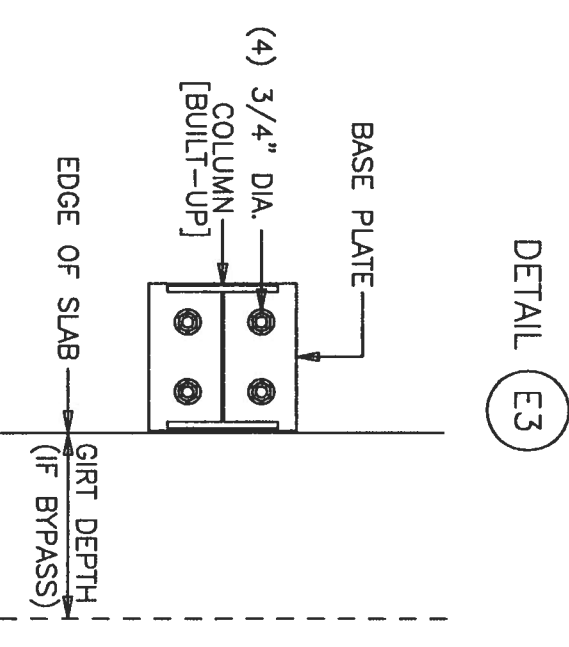
MAINFRAME RAFTER / COLUMN CONNECTION



ENDWALL GIRTS TO INTERIOR COLUMN



GIRT CONNECTIONS AT PARTITION WALL



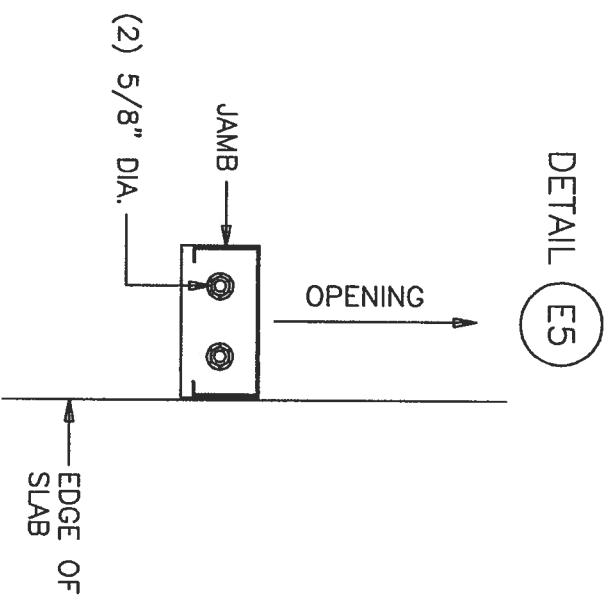
ENDWALL COLUMN BASE DETAIL

REVISIONS		JOB NO:	06-07-175	DATE:	7/13/06
[1]	LOCATION:	LAKE CITY, FLORIDA			
[2]	DRAWING NAME:	FRAMING DETAILS			
[3]	DRAWING NO:	PAGE 5	DRAWN BY:	MSS	CHECKED BY:

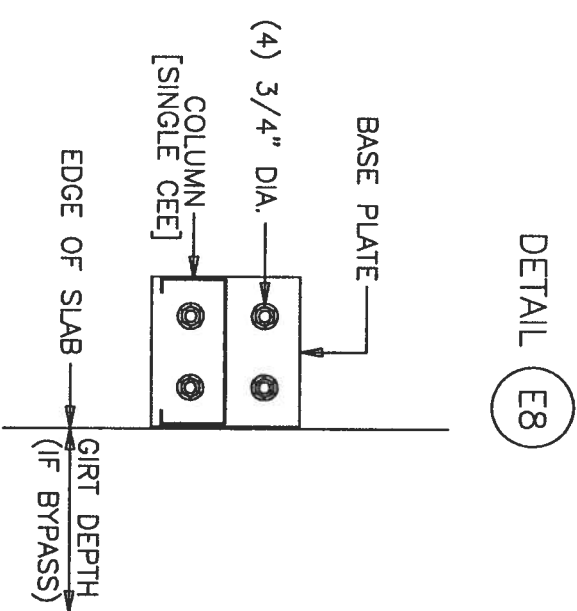
CUSTOMER:	
COSTAGNA CONSTRUCTION, INC.	
JOB NO:	DATE:
06-07-175	7/13/06
LOCATION:	
LAKE CITY, FLORIDA	
DRAWING NAME:	SCALE:
FRAMING DETAILS	NONE
DRAWING NO:	CHECKED BY:
PAGE 5	MSS

STRUCTURAL STAMP

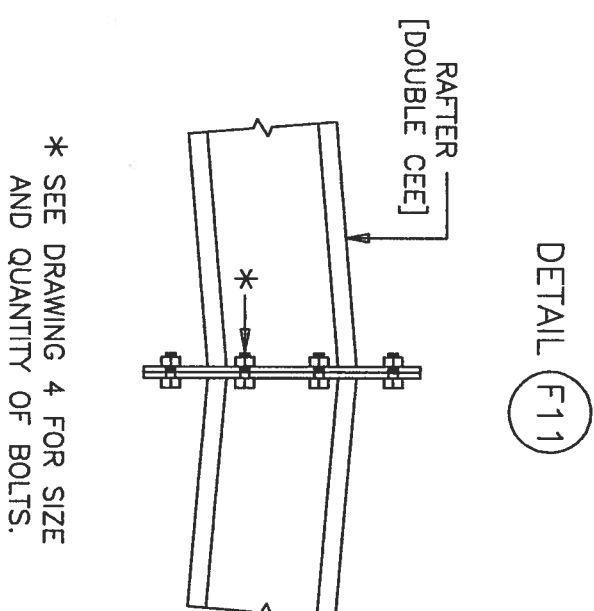
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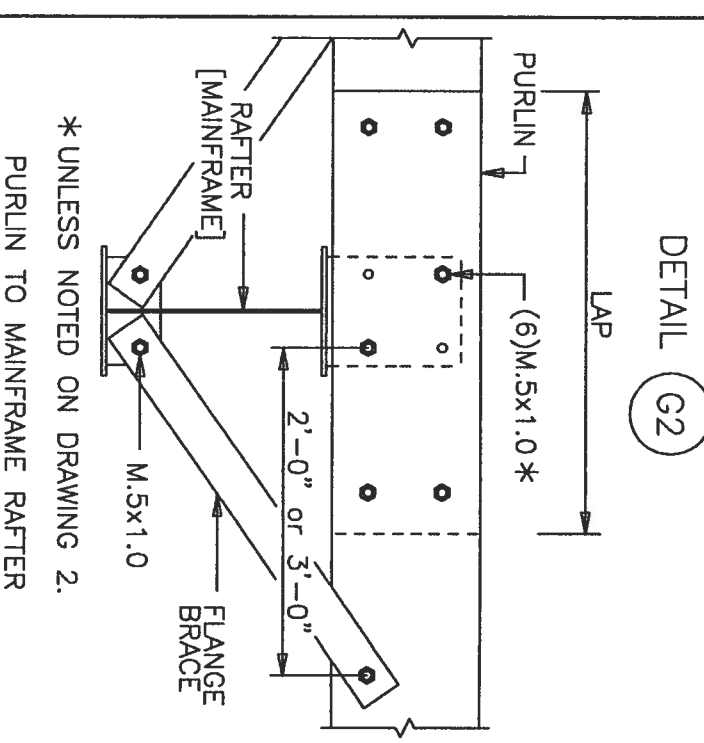
FRAMED OPENING JAMB BASE DETAIL



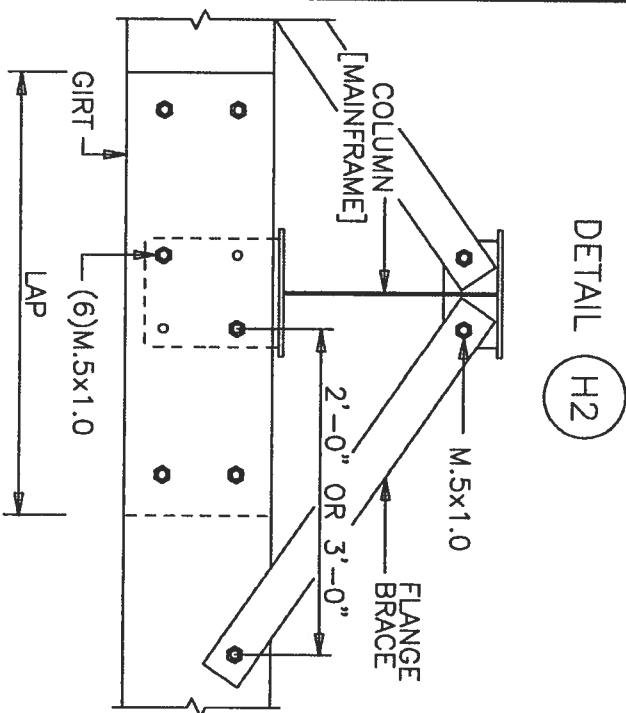
ENDWALL COLUMN BASE DETAIL



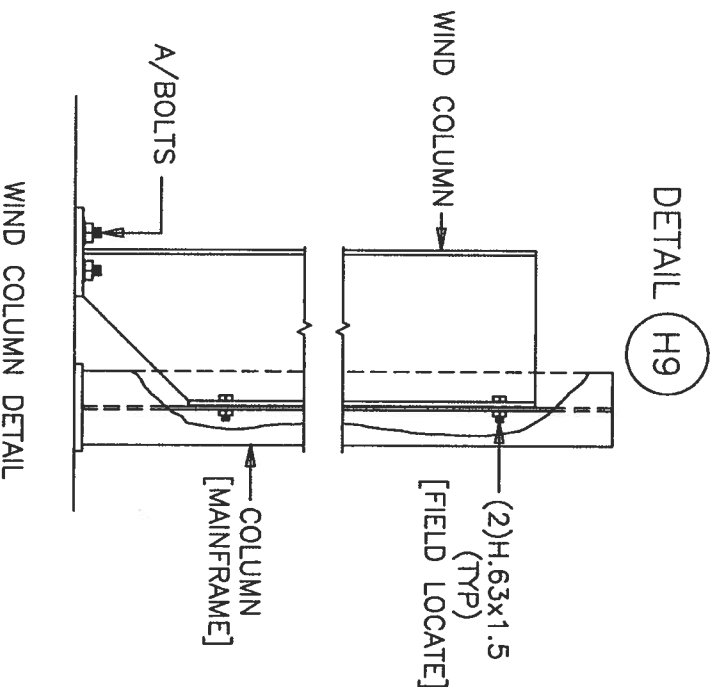
RAFTER DETAIL AT RIDGE



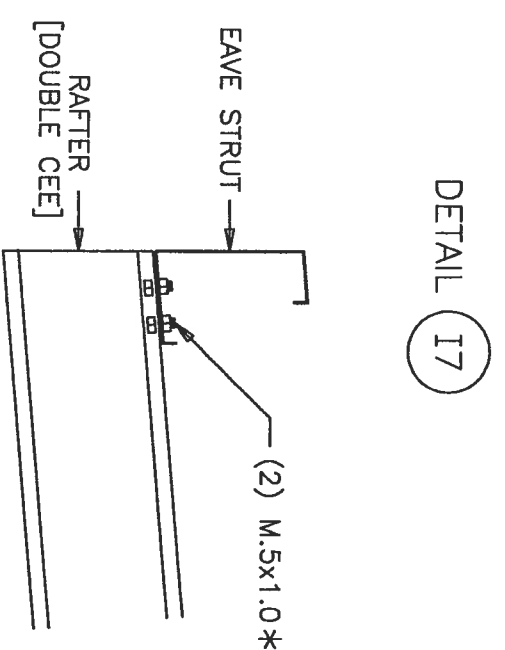
PURLIN TO MAINFRAME RAFTER



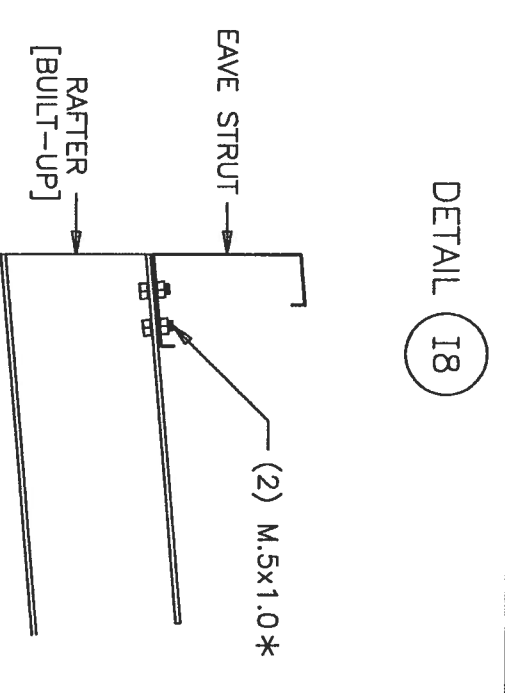
GIRT TO MAINFRAME COLUMN



WIND COLUMN DETAIL



EAVE STRUT CONNECTION AT ENDWALL



EAVE STRUT CONNECTION AT ENDWALL

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 397-6695
FAX (229) 387-6698
FLA. P.E. REG. NO. 42289

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:
COSTAGNA CONSTRUCTION, INC.

JOB NO:
06-07-175

DATE:
7/13/06

LOCATION:
LAKE CITY, FLORIDA

DRAWING NAME:
FRAMING DETAILS

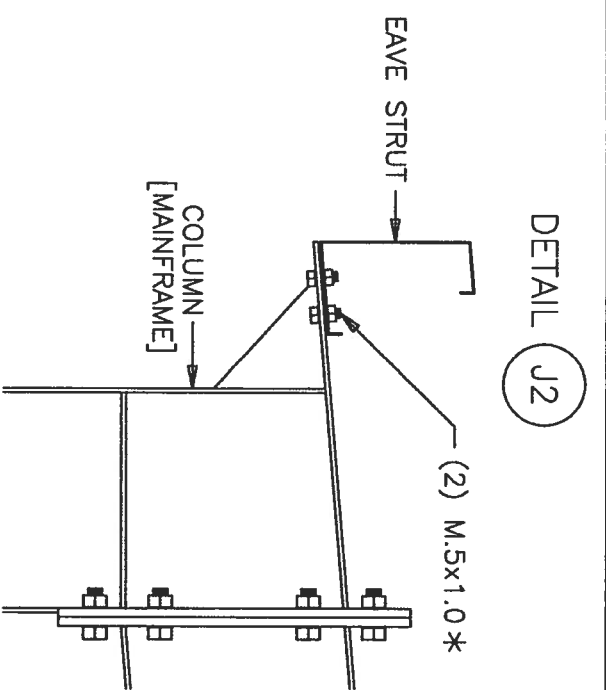
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SCALE:
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CHECKED BY:

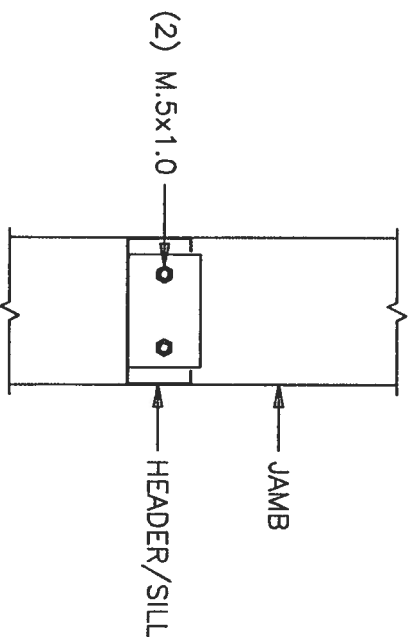
STRUCTURAL STAMP

10/8/06

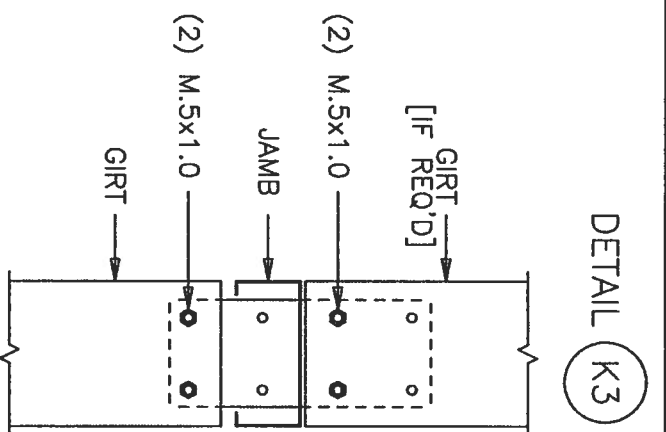


* UNLESS NOTED ON DRAWING 2.
EAVE STRUT CONNECTION AT MAINFRAME

DETAIL M2

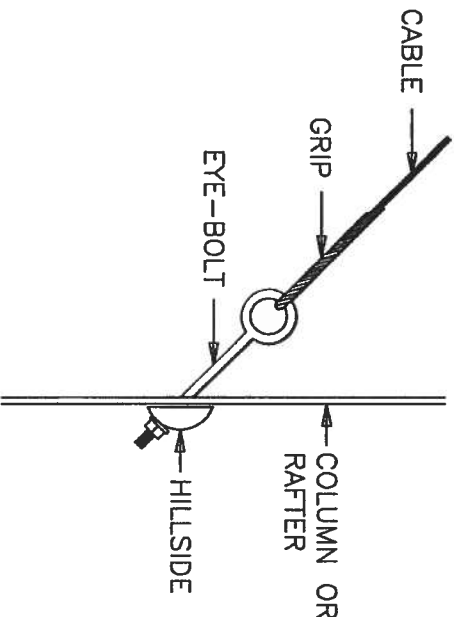


FRAMED OPENING HEADER/SILL TO JAMB

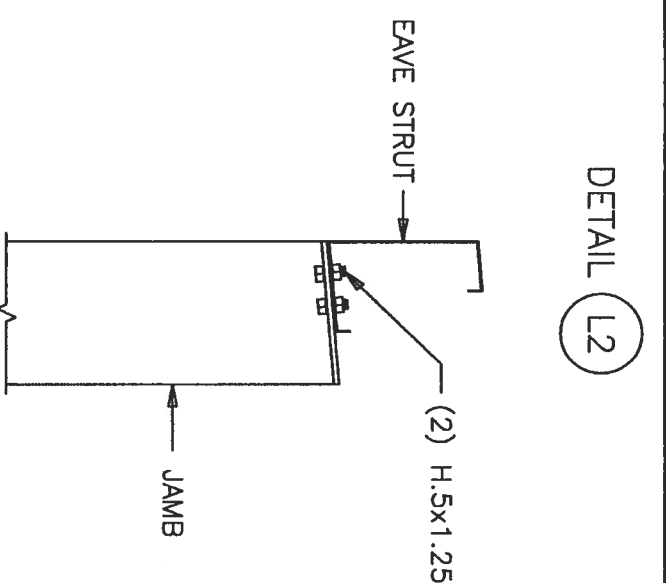


GIRTS TO JAMB

DETAIL Q2

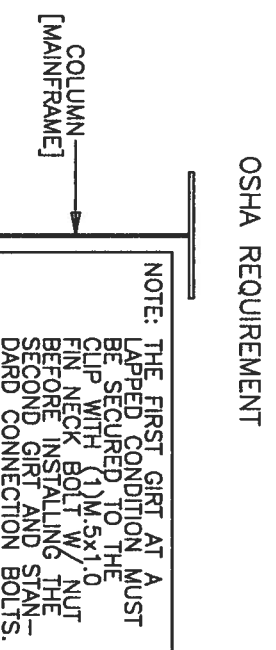


CABLE INSTALLATION DETAIL



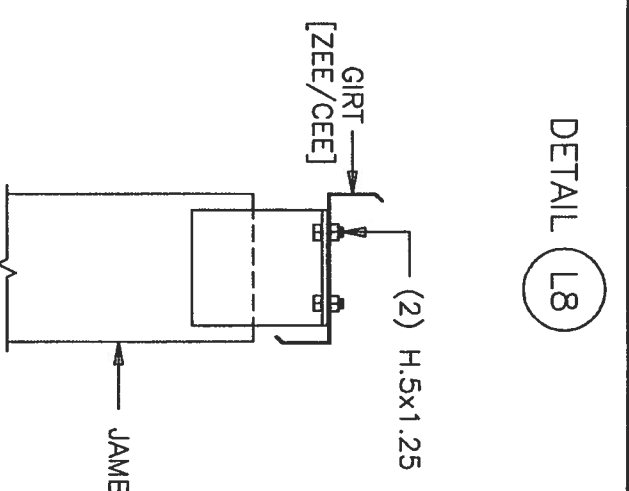
FRAMED OPENING JAMB TO EAVE STRUT

DETAIL L2



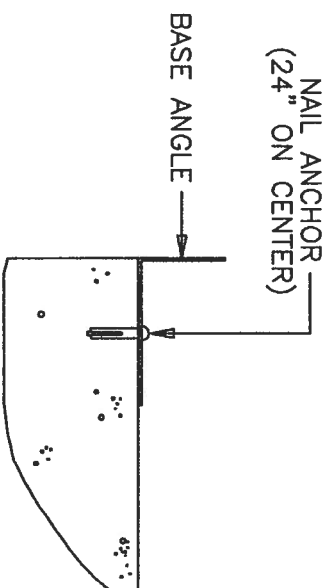
LAPPED GIRTS TO MAINFRAME COLUMN

- * 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



FRAMED OPENING JAMB TO GIRT

DETAIL T1



BASE ANGLE DETAIL

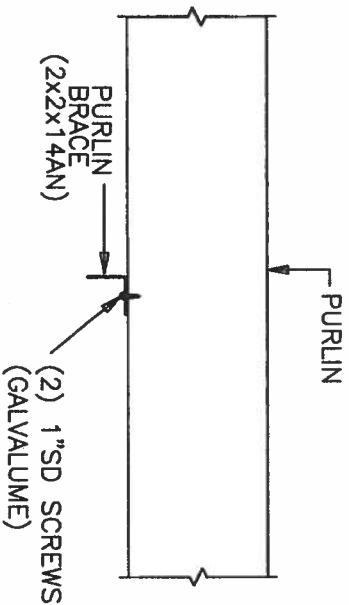
ROYA GEMER
P.O. BOX 701
TIPTON, OK 81793
PHONE (405) 237-6695
FAX (225) 337-8008
FLA. P.E. REG. NO. 42289

REVISIONS		JOB NO:		DATE:	
[1]		06-07-175		7/13/06	
[2]		LAKE CITY, FLORIDA			
[3]		DRAWING NO: PAGE 5.2		DRAWN BY: MSS	

STRUCTURAL STAMP

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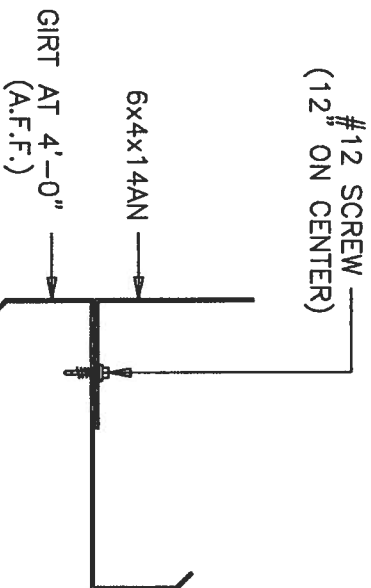
DETAIL (X1)



NOTE: SEE ROOF FRAMING PLAN FOR PURLIN BRACE SPACINGS.

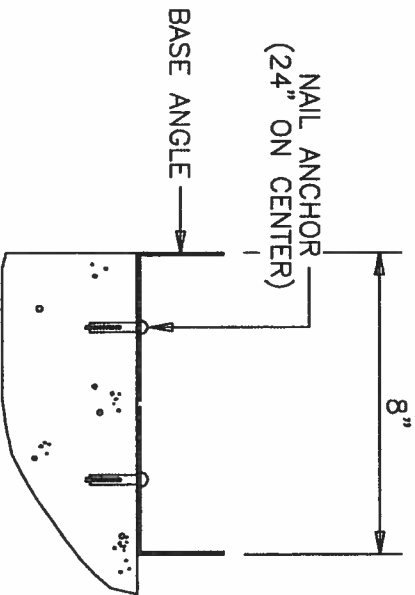
PURLIN BRACE DETAIL

DETAIL (X2)



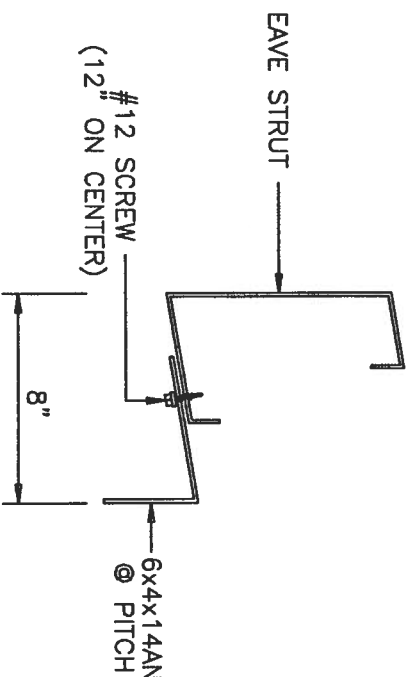
"GIRT" ANGLE DETAIL

DETAIL (T2)



BASE ANGLE DETAIL AT LINERS

DETAIL (X3)



LINER ANGLE DETAIL

NOTE: THE PROPER TIGHTENING AND INSPECTION OF ALL FASTENERS IS THE RESPONSIBILITY OF THE ERECTOR. ALL HEAVY STRUCTURAL (A325/A490) BOLTS AND NUTS MUST BE TIGHTENED BY THE "TURN-OF-NUT" METHOD SHOWN BELOW. A325 AND A490 BOLTS ARE DESIGNATED BY "SBS" WITH A "H". (ex: H03x2.0 OR H.75x2.75)

TURN-OF-NUT TIGHTENING: IN ALL HOLES OF THE CONNECTION AND BROUGHT BOLTS SHALL BE INSTALLED IN 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 ACHIEVED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE SULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. SNUG TIGHTENING REFERS TO PROGRESSIVE TIGHTENING FROM THE OUTSIDE OF THE JOINT. THE TIGHTENING SHALL BE SYSTEMATICALLY FROM THE MOST REID PART OF THE JOINT TO THE FREE EDGES. THE TIGHTENING SHALL BE FOLLOWED BY THE APPLICATION OF THE TURN-OF-NUT METHOD. ALL BOLTS SHALL BE SHUT DOWN TO SNUG TIGHT AND THE CONNECTION IS FULLY COMPLETED. FOLLOWING THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED IN THE TABLE BELOW. DURING THE OPERATION THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST REID 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 DIA- METERS BUT NOT EXCEEDING 8 DIAMETERS	1/2 TURN
OVER 8 DIA- METERS BUT NOT EXCEEDING 12 DIAMETERS	2/3 TURN

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

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 LETHAND 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: COSTAGNA CONSTRUCTION, INC.

JOB NO: 06-07-175

DATE: 7/13/06

REVISIONS

LOCATION: LAKE CITY, FLORIDA

DRAWING NAME: FRAMING DETAILS

SCALE: NONE

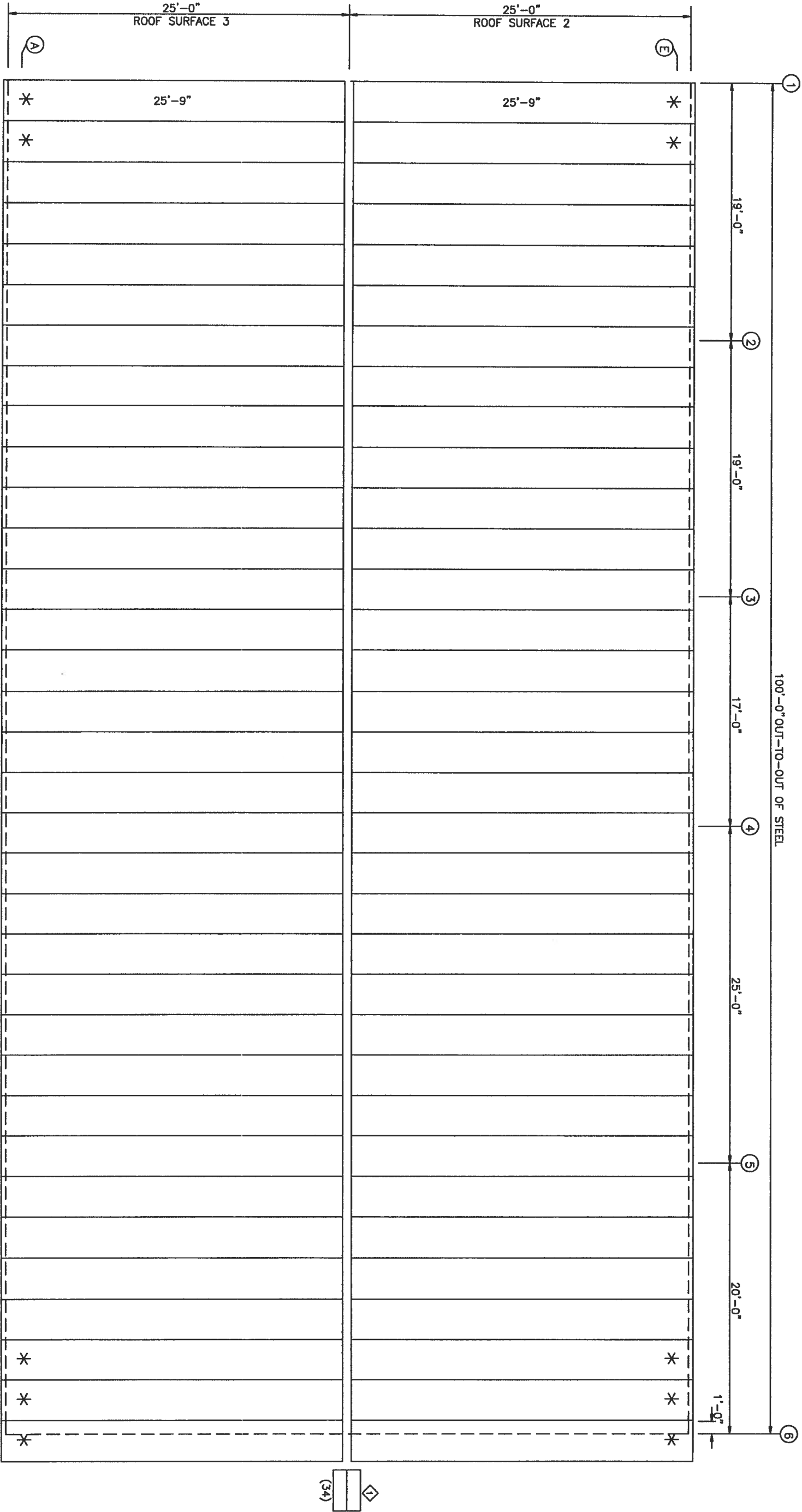
DRAWING NO: PAGE 5.3

DRAWN BY: MSS

CHECKED BY:

[Handwritten Signature]

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



ROOF SHEETING PLAN
PANELS: 26 GA. R - LIGHT STONE

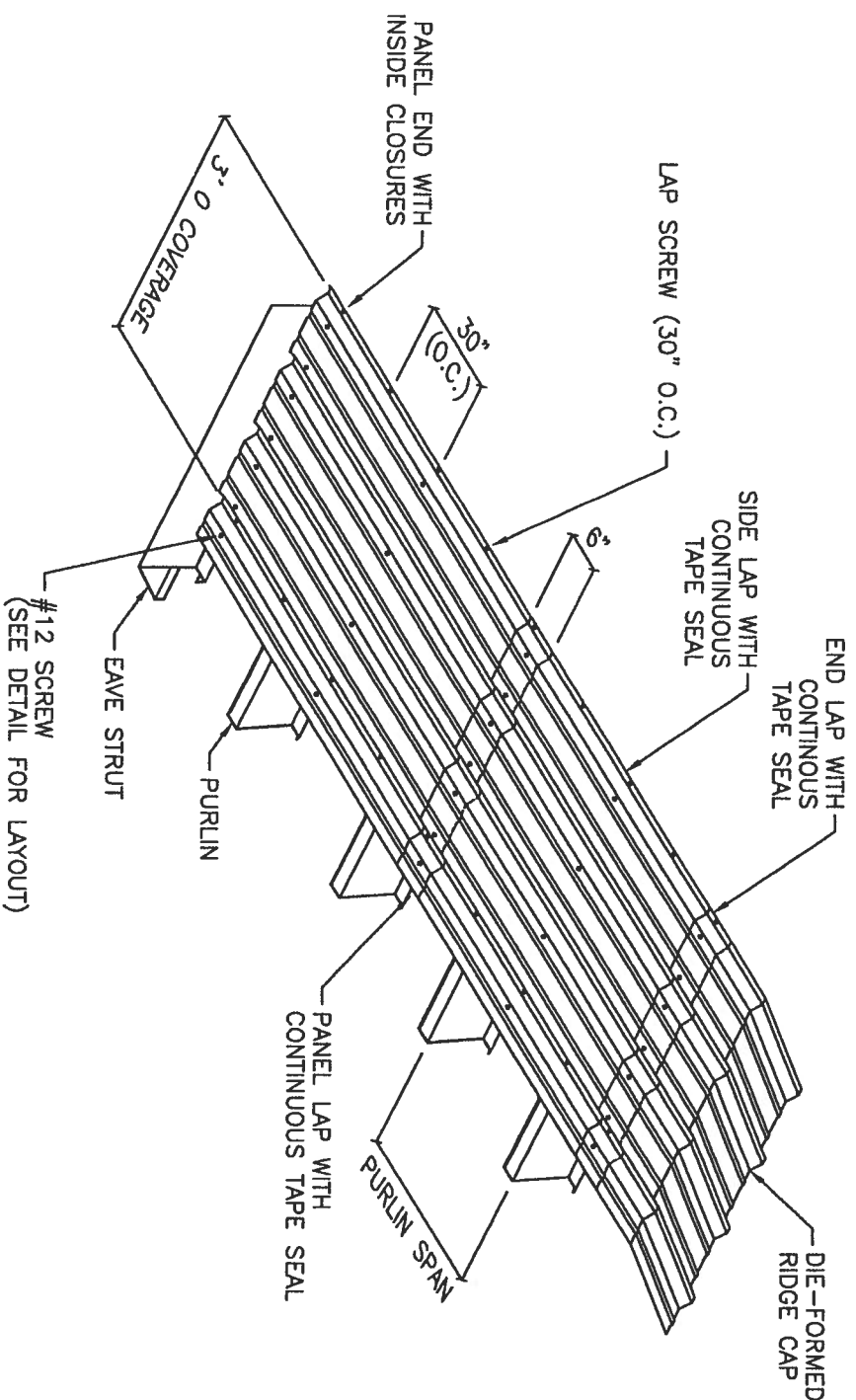
* 24 GA. PANELS IN CORNER ZONES.

ROY A. SPIKER
P.O. BOX 7761
LAKE CITY, GA 31703
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

SBS STEEL BUILDING SYSTEMS, INC.	
CUSTOMER:	COSTAGNA CONSTRUCTION, INC.
JOB NO:	06-07-175
DATE:	7/13/06
LOCATION:	LAKE CITY, FLORIDA
DRAWING NAME:	ROOF PANELS & TRIM
DRAWING NO:	PAGE 6
DRAWN BY:	MSS
CHECKED BY:	
SCALE:	NONE

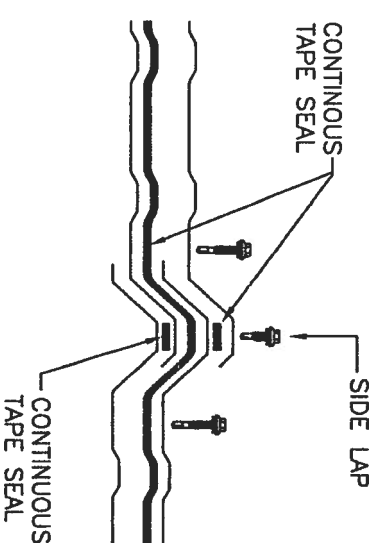
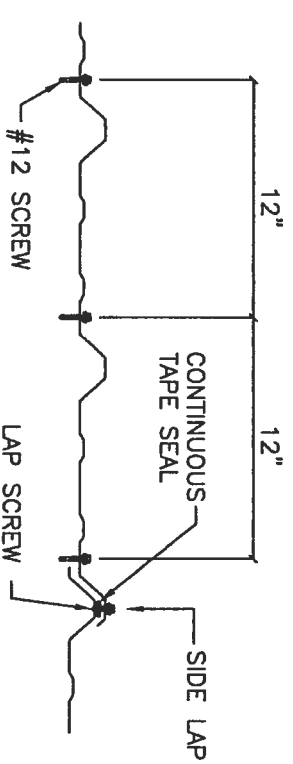
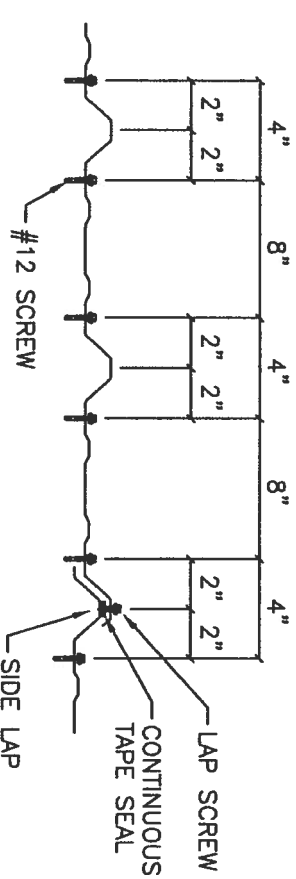
STRUCTURAL STAMP

[Handwritten Signature]
7/13/06



NOTES:

- [1] ALL END LAPS MUST BE A MINIMUM OF 6".
- [2] METAL SHAVINGS MUST BE SWEEPED 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

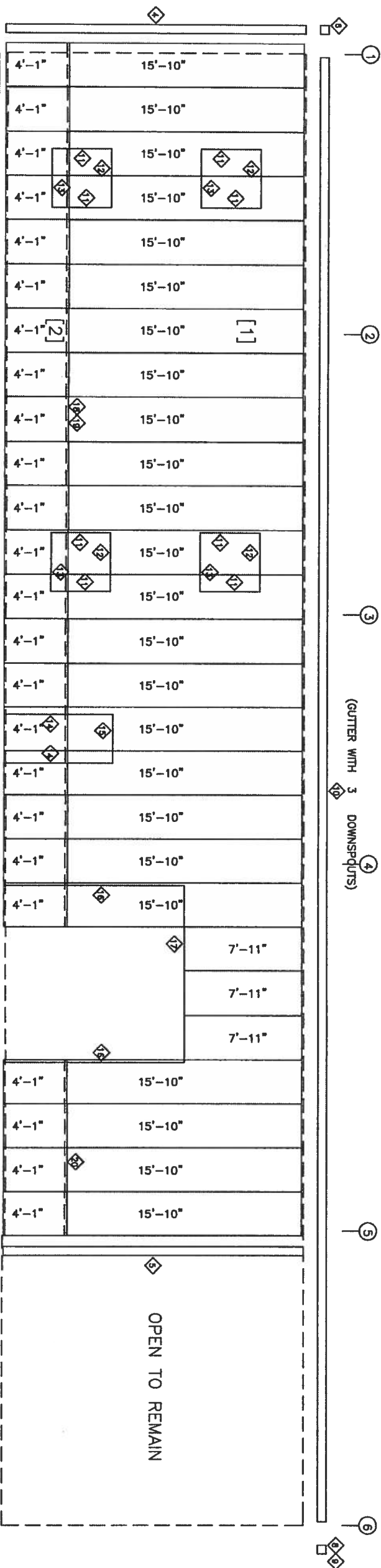
SBS STEEL BUILDING SYSTEMS, INC.			
CUSTOMER: COSTAGNA CONSTRUCTION, INC.			
REVISIONS	JOB NO: 06-07-175	DATE: 07/13/06	
[1]	LOCATION: LAKE CITY, FLORIDA		
[2]	DRAWING NAME: ROOF PANEL DETAILS	SCALE: NONE	
[3]	DRAWING NO: PAGE 6.1	DRAWN BY: MSS	CHECKED BY:

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-7705
FAX (229) 387-1009
FLA. P.E. REG. NO. 62109

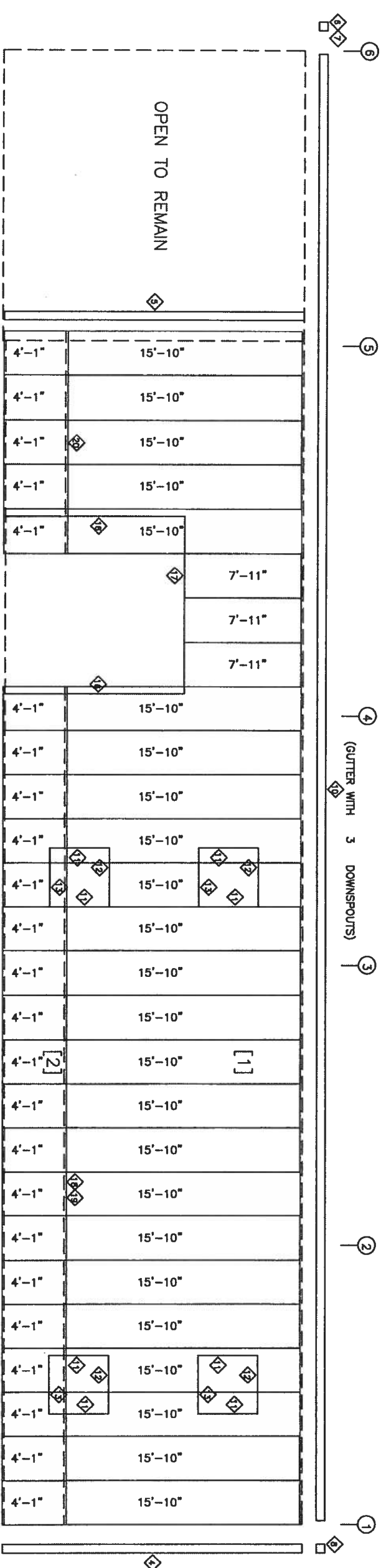
STRUCTURAL STAMP

10/17/06

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



SIDEWALL SHEETING & TRIM: FRAME LINE A
[1] PANELS: 26 GA. R - SURF SAND
[2] PANELS: 26 GA. R - BURNISHED SLATE



SIDEWALL SHEETING & TRIM: FRAME LINE E
[1] PANELS: 26 GA. R - SURF SAND
[2] PANELS: 26 GA. R - BURNISHED SLATE

SBS STEEL BUILDING SYSTEMS, INC.		
CUSTOMER: COSTAGNA CONSTRUCTION, INC.		
JOB NO: 06-07-175		
DATE: 7/13/06		
LOCATION: LAKE CITY, FLORIDA		
DRAWING NAME: SIDEWALL PANELS & TRIM		
SCALE: NONE		
DRAWING NO: PAGE 7		
DRAWN BY: MSS		
CHECKED BY:		

STRUCTURAL STAMP

[Signature]

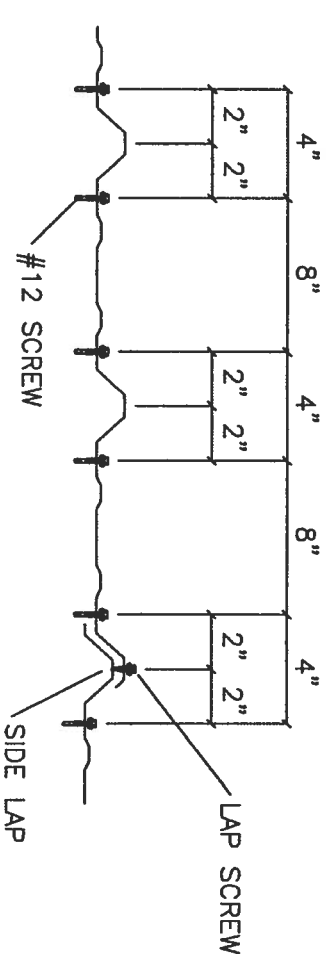
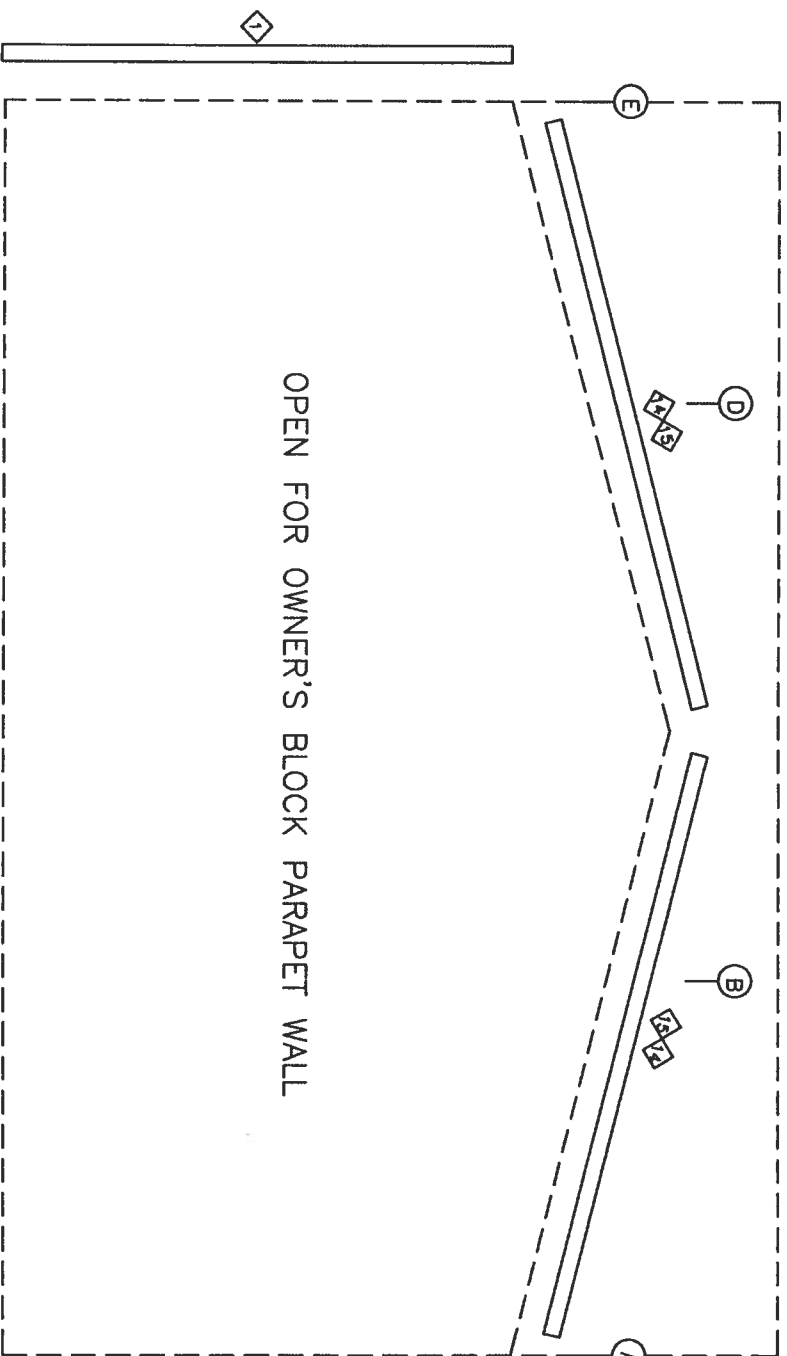


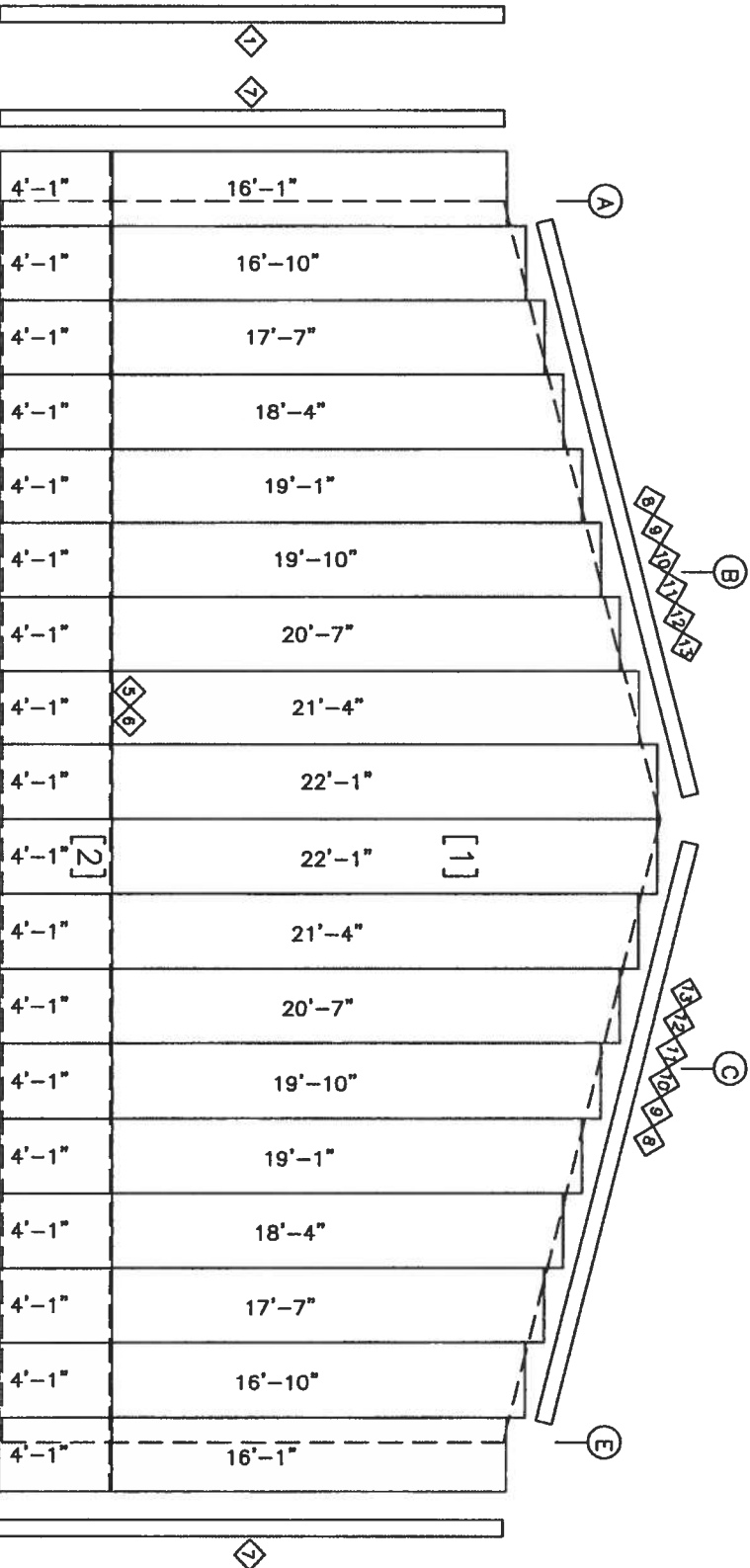
Diagram illustrating a side lap joint. The joint consists of two overlapping sections, each labeled "12\"". The overlap is labeled "SIDE LAP". A "#12 SCREW" is shown securing the joint, and a "LAP SCREW" is shown securing the overlap.

STRUCTURAL STAMP

 STEEL BUILDING SYSTEMS, INC.		
CUSTOMER: COSTAGNA CONSTRUCTION, INC.		
REVISIONS	JOB NO: 06-07-175	DATE: 07/13/06
[1]	LOCATION: LAKE CITY, FLORIDA	
[2]	DRAWING NAME: SIDEWALL PANEL DETAILS	
[3]	DRAWING NO: PAGE 7.1	DRAWN BY: MSS
		CHECKED BY:



ENDWALL SHEETING & TRIM: FRAME LINE 1

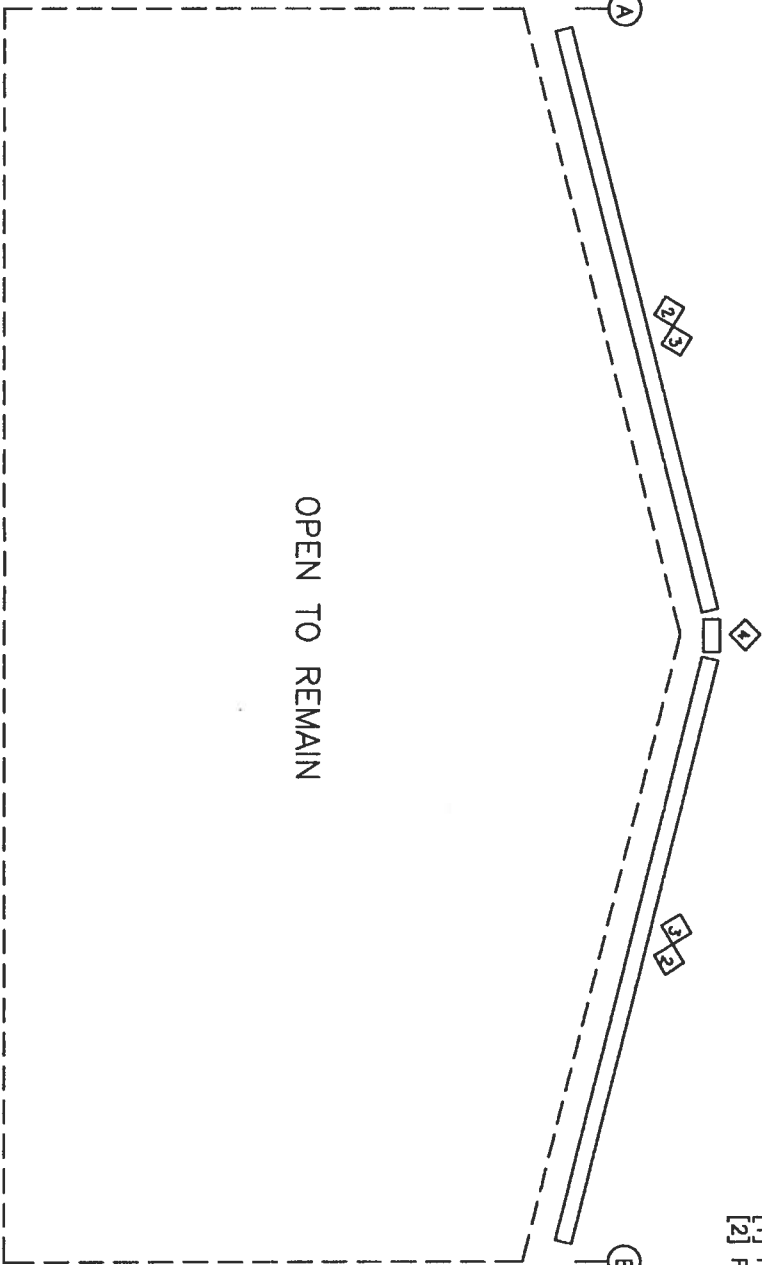


ENDWALL SHEETING & TRIM: FRAME LINE 5

[1] PANELS: 26 GA. R - SURF SAND
[2] PANELS: 26 GA. R - BURNISHED SLATE

ROY A. SPIKER
P.O. BOX 777
TITTON, CA 95702
PHONE (209) 422-0000
FAX (229) 422-0000
FLA. P.E. R 42,309

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



ENDWALL SHEETING & TRIM: FRAME LINE 6

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:
COSTAGNA CONSTRUCTION, INC.

JOB NO.:
06-07-175

DATE:
7/13/06

LOCATION:
LAKE CITY, FLORIDA

DRAWING NAME:
ENDWALL PANELS & TRIM

SCALE:
NONE

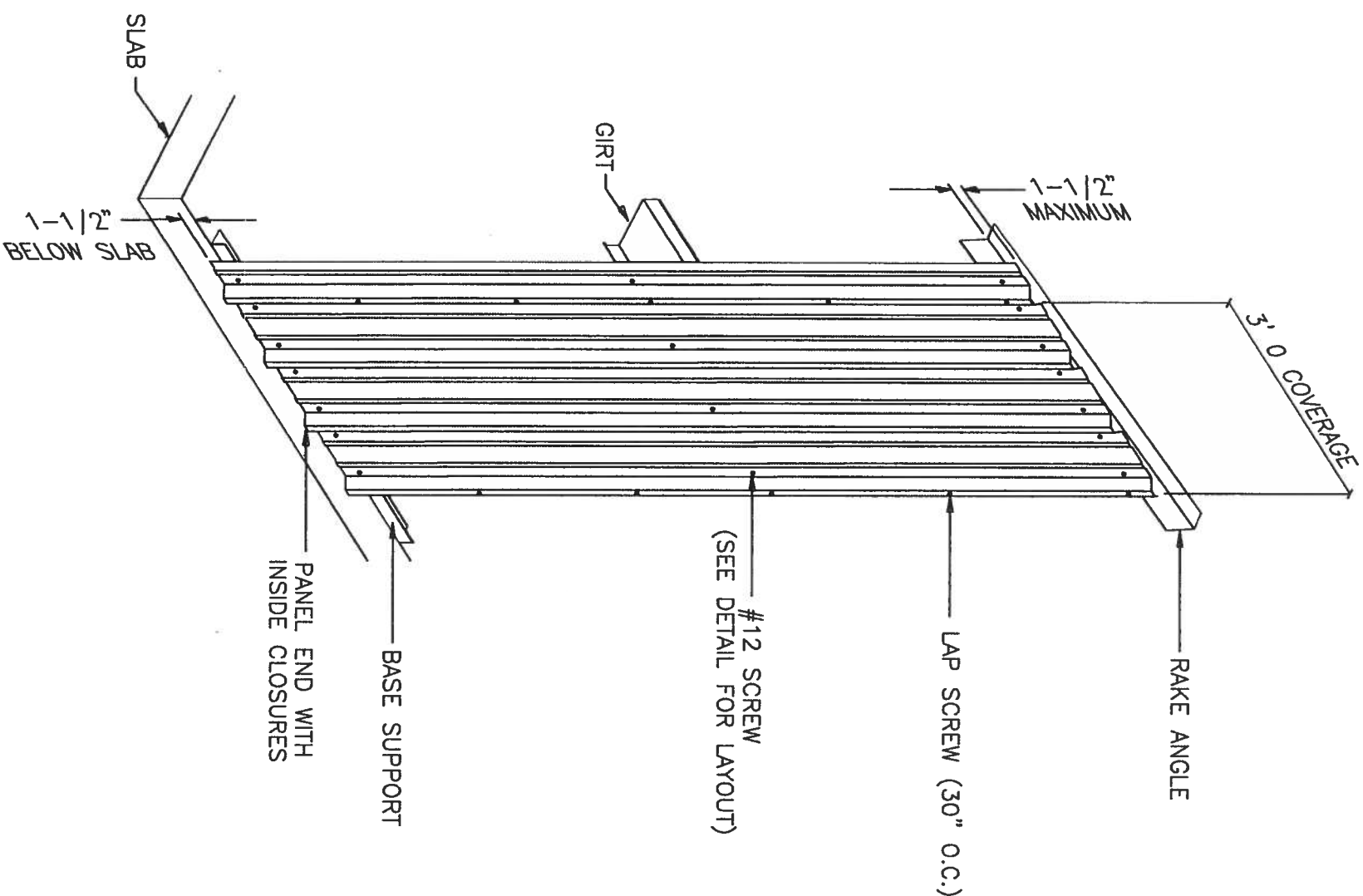
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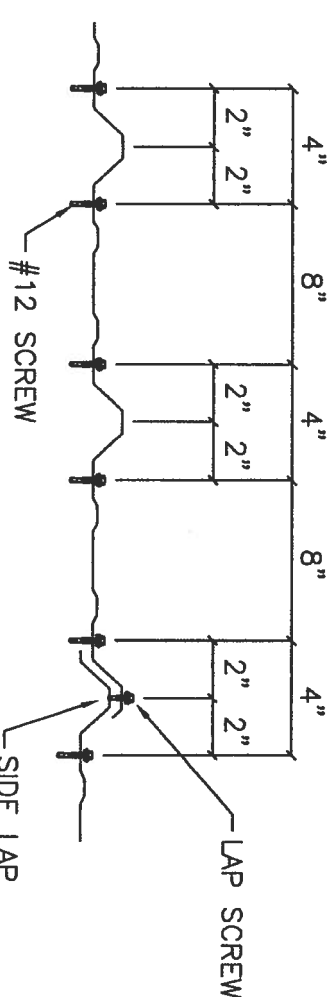
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STRUCTURAL STAMP

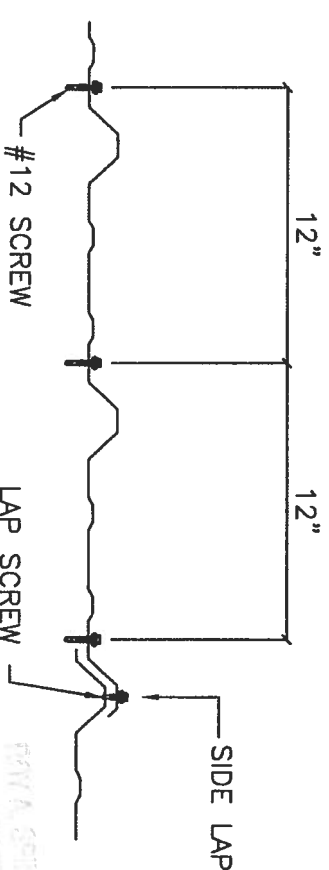
Handwritten signature



- NOTES:
- [1] METAL SHAVINGS MUST BE SWEEP FROM THE PANELS DURING ERECTION TO PREVENT SURFACE RUSTING.
- [2] #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.



DETAIL AT PANEL END



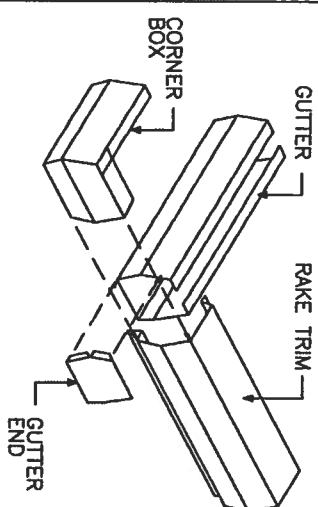
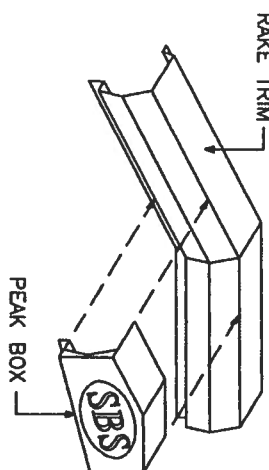
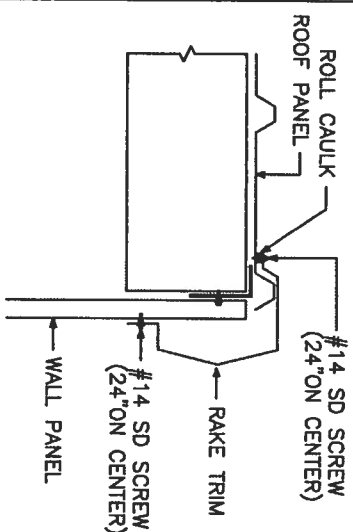
DETAIL AT INTERIOR OF PANEL

STRUCTURAL STAMP

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:		COSTAGNA CONSTRUCTION, INC.	
JOB NO:		06-07-175	DATE: 07/13/06
LOCATION:		LAKE CITY, FLORIDA	
DRAWING NAME:		ENDWALL PANEL DETAILS	
DRAWING NO:		PAGE 8.1	DRAWN BY: MSS
REVISIONS		SCALE: NONE	
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[2]			
[3]			

Handwritten signature: J. J. 10/06

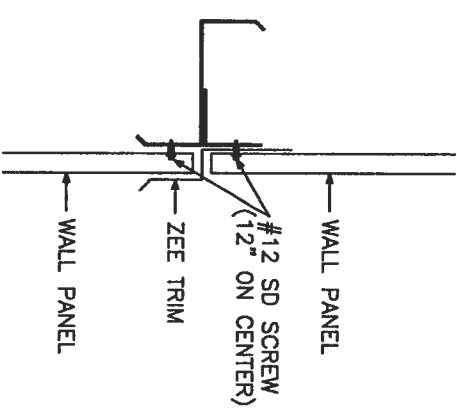
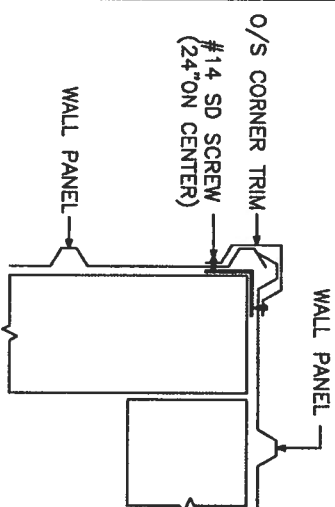
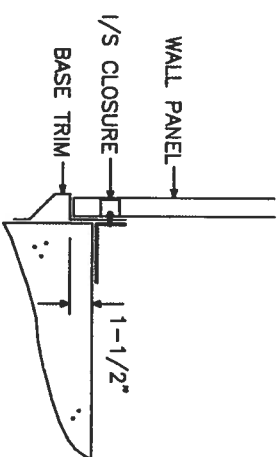
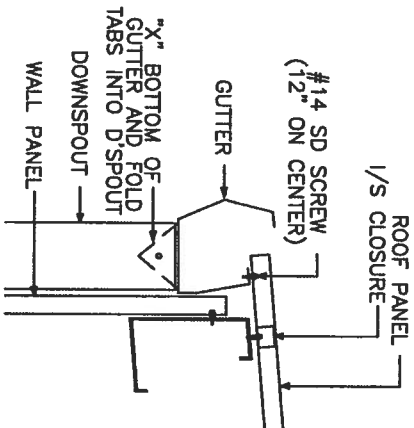


- TRIM NOTES:**
- [1] SEAL TRIM SPLICES WITH TUBE CAULK.
 - [2] SECURE GUTTER SPLICES AND END PLUGS WITH RIVETS.
 - [3] SECURE ALL OTHER ROOF TRIM SPLICES WITH TRIM SCREWS UNLESS NOTED OTHERWISE.
 - [4] TRIM SCREWS ARE LOCATED 24" ON CENTER UNLESS NOTED OTHERWISE.

RAKE TRIM DETAIL

PEAK BOX DETAIL

GUTTER END DETAIL

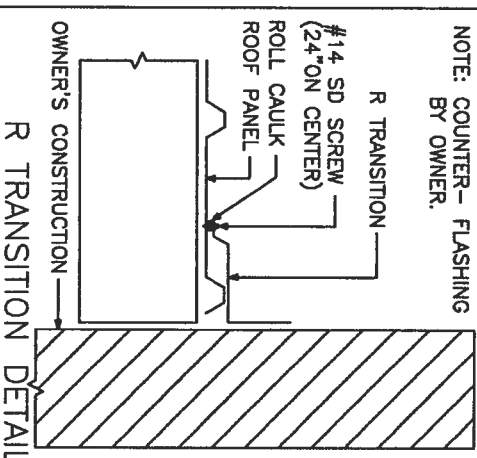


GUTTER DETAIL

BASE TRIM DETAIL

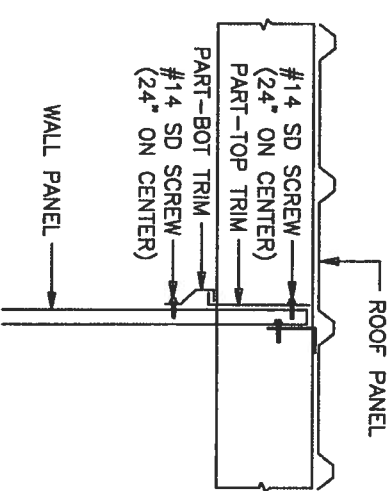
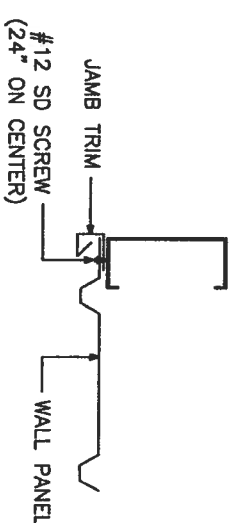
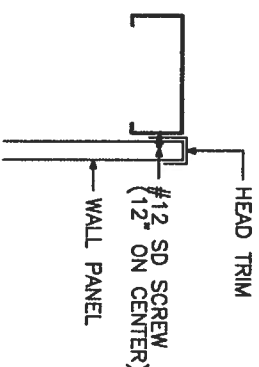
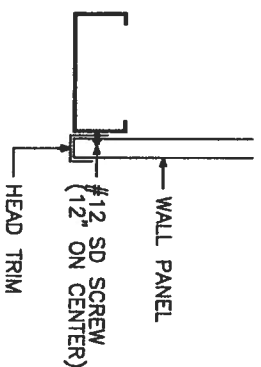
O/S CORNER DETAIL

ZEE TRIM DETAIL



NOTE: INSTALL GUTTER STRAPS 3'0\"/>

NOTE: COUNTER- FLASHING BY OWNER.



HEAD TRIM DETAIL AT HEADER

HEAD TRIM DETAIL AT SILL

JAMB TRIM DETAIL AT JAMB

PARTITION WALL TRIM DETAILS

STRUCTURAL STAMP

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER: COSTAGNA CONSTRUCTION, INC.

JOB NO: 06-07-175 DATE: 7/13/06

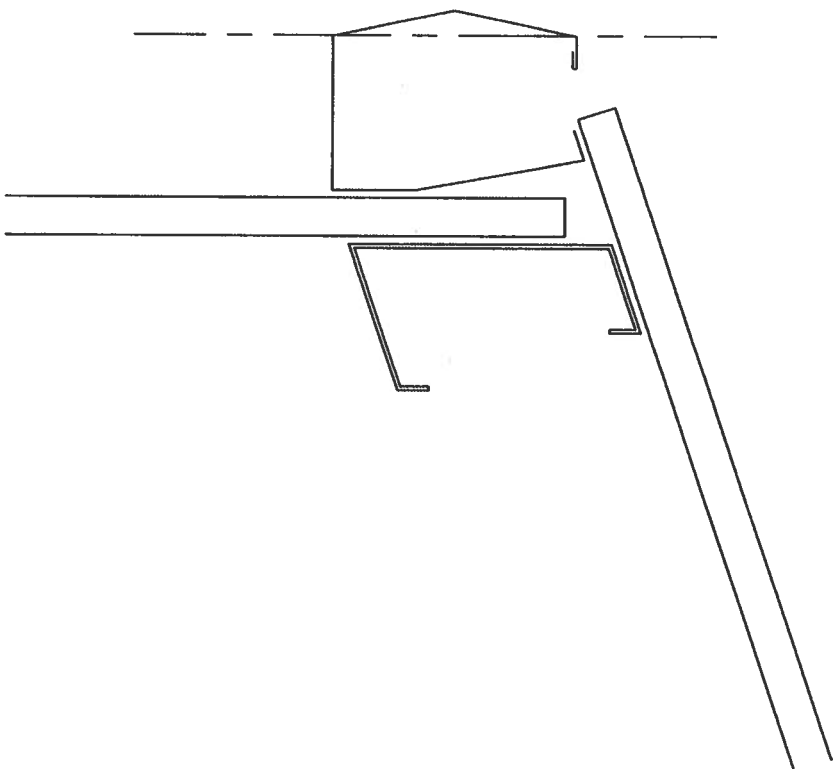
LOCATION: LAKE CITY, FLORIDA

DRAWING NAME: TRIM DETAILS

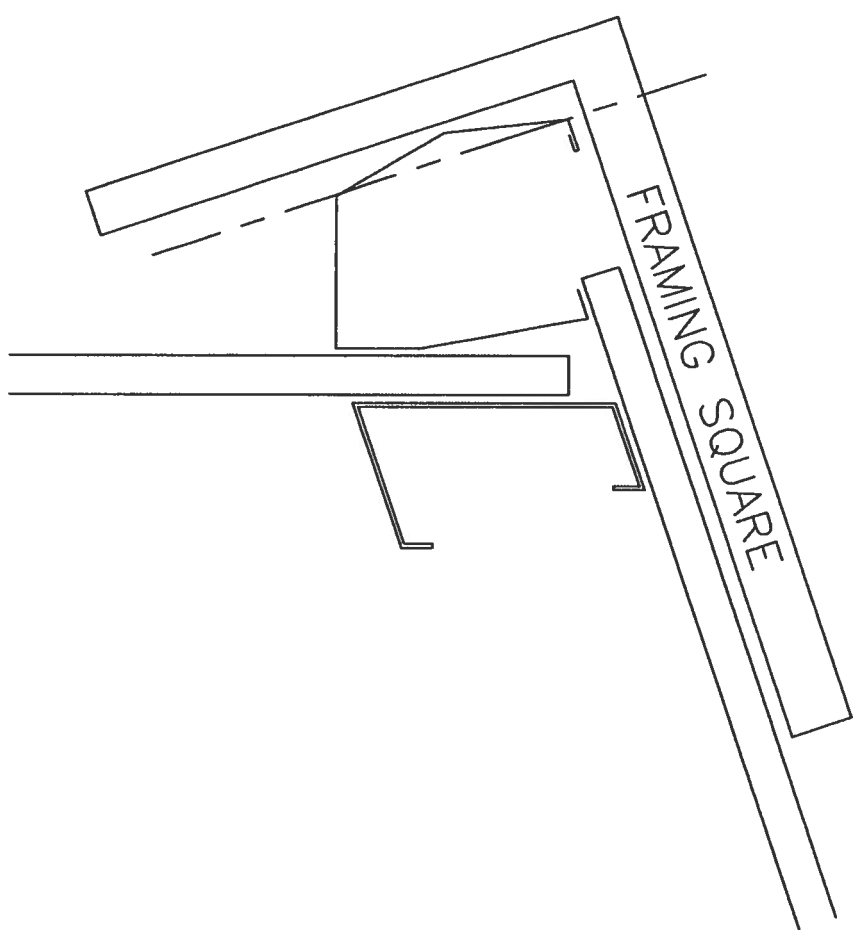
DRAWING NO: PAGE 9

ROY A. SPIKER
P.O. BOX 7781
TIFTON, GA 31793
PHONE (229) 387-6995
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

Signature



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



INSTALL GUTTER WITH
OUTSIDE FACE PERPENDICULAR
TO THE ROOF.

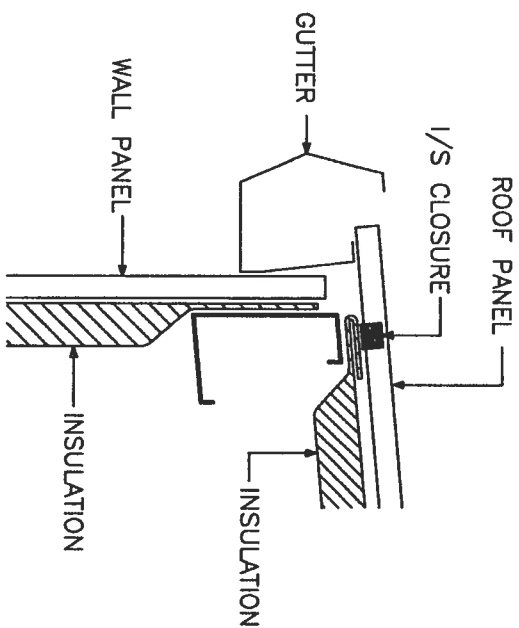
GUTTER INSTALLATION DETAIL

SBS STEEL BUILDING SYSTEMS, INC.	
CUSTOMER: COSTAGNA CONSTRUCTION, INC.	
JOB NO: 06-07-175	DATE: 7/13/06
LOCATION: LAKE CITY, FLORIDA	
DRAWING NAME: GUTTER DETAILS	SCALE: NONE
DRAWING NO: PAGE 9.1	DRAWN BY: MSS CHECKED BY:

ROY A. SPIKER
P.O. BOX 7761
TUFLOW, GA 31793
PHONE (229) 697-6695
FAX (229) 367-6696
FLA. P.E. REG. NO. 42289

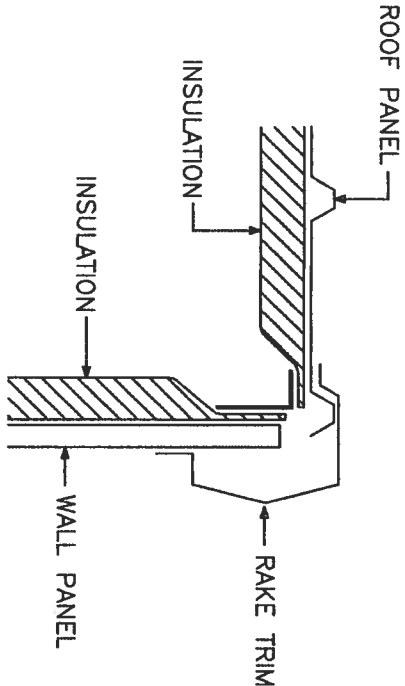
STRUCTURAL STAMP

10/8/10
9/11/06

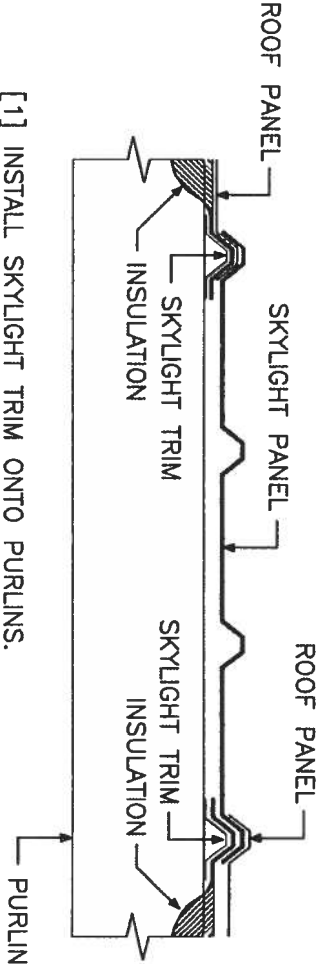


NOTE: FOLD ROOF INSULATION BACK 3" TO 6".

EAVE DETAIL

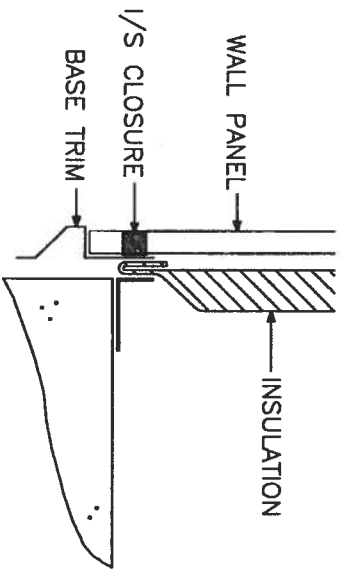


RAKE DETAIL



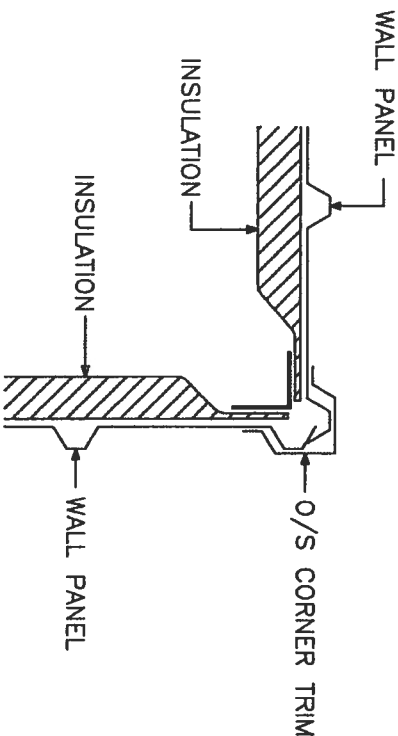
- [1] INSTALL SKYLIGHT TRIM ONTO PURLINS.
- [2] INSTALL INSULATION OVER SKYLIGHT TRIM.
- [3] INSTALL ROOF PANEL AND SKYLIGHT PANEL OVER INSULATION.
- [4] CUT OUT INSULATION FLUSH TO SKYLIGHT TRIM WITH A RAZOR KNIFE.

SKYLIGHT TRIM DETAIL



BASE DETAIL

NOTE: FOLD INSULATION BACK 3" TO 6".



CORNER DETAIL

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

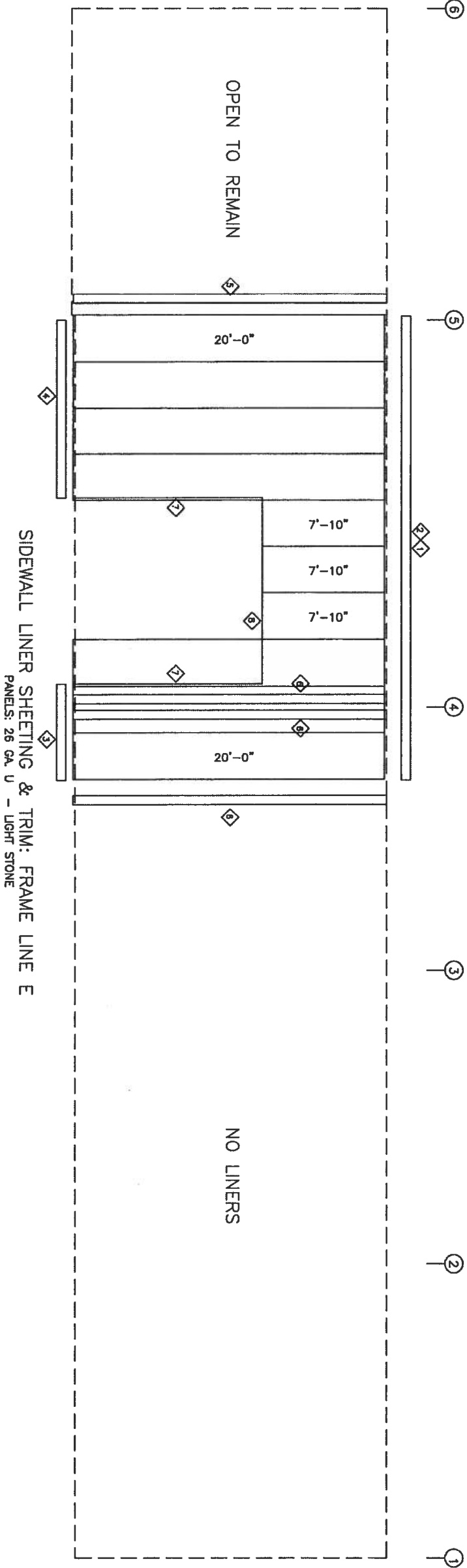
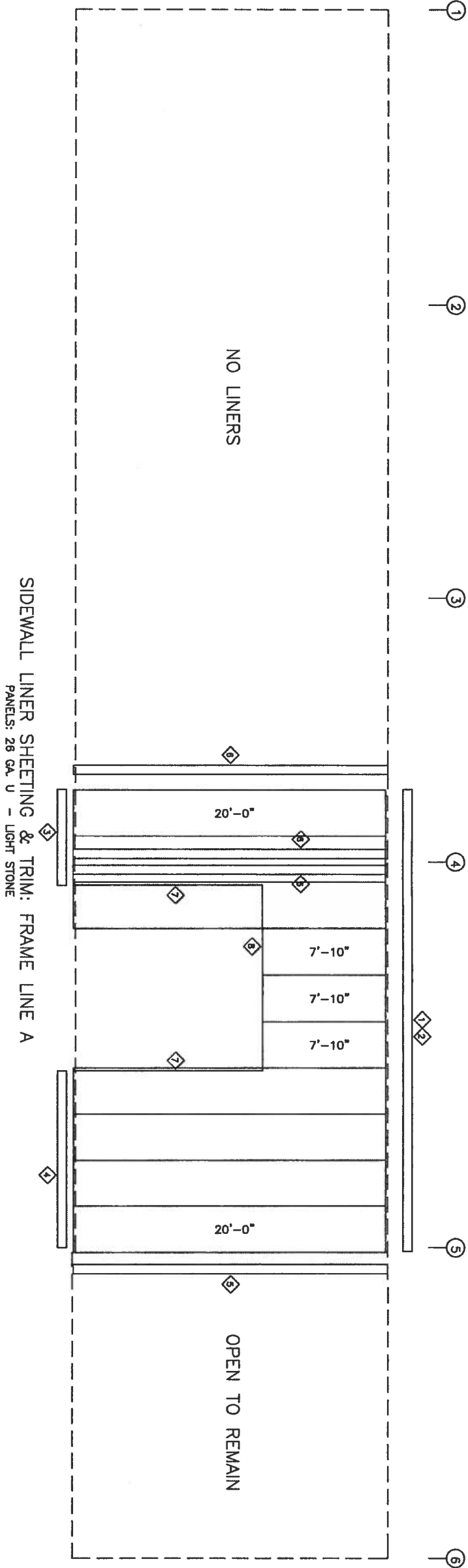
SBS STEEL BUILDING SYSTEMS, INC.		CUSTOMER: COSTAGNA CONSTRUCTION, INC.	
REVISIONS		JOB NO.: 06-07-175	DATE: 7/13/06
[1]		LOCATION: LAKE CITY, FLORIDA	
[2]		DRAWING NAME: INSULATION DETAILS	SCALE: NONE
[3]		DRAWING NO.: PAGE 10.1	DRAWN BY: MSS

STRUCTURAL STAMP

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

[Signature]

LINER TRIM TABLE		
FRAME LINE A & E		
ID	PART	LENGTH
1	U HEAD	20'-3"
2	U HEAD	10'-0"
3	U HEAD	6'-6"
4	U HEAD	11'-6"
5	I/S CORN	20'-0"
6	U JAMB	20'-0"
7	U JAMB	12'-3"
8	U HEAD	12'-3"



ROY A. SPIKER
P.O. BOX 7701
TIFTON, GA 31793
PHONE (229) 337-8695
FAX (229) 381-8386
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

[Signature]
9/11/06

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:
COSTAGNA CONSTRUCTION, INC.

JOB NO:
06-07-175

DATE:
7/13/06

LOCATION:
LAKE CITY, FLORIDA

DRAWING NAME:
SIDEWALL LINER PANELS & TRIM

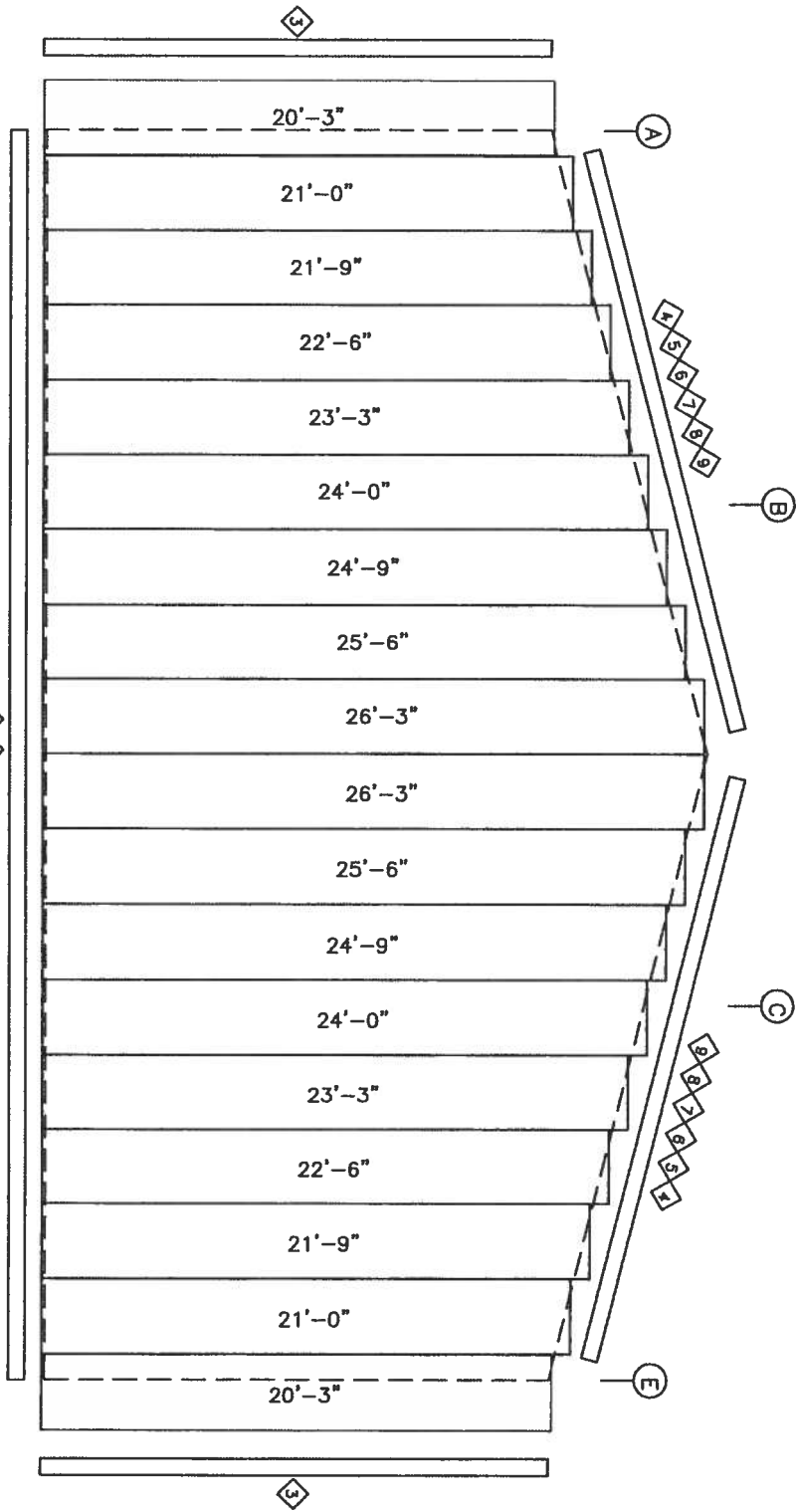
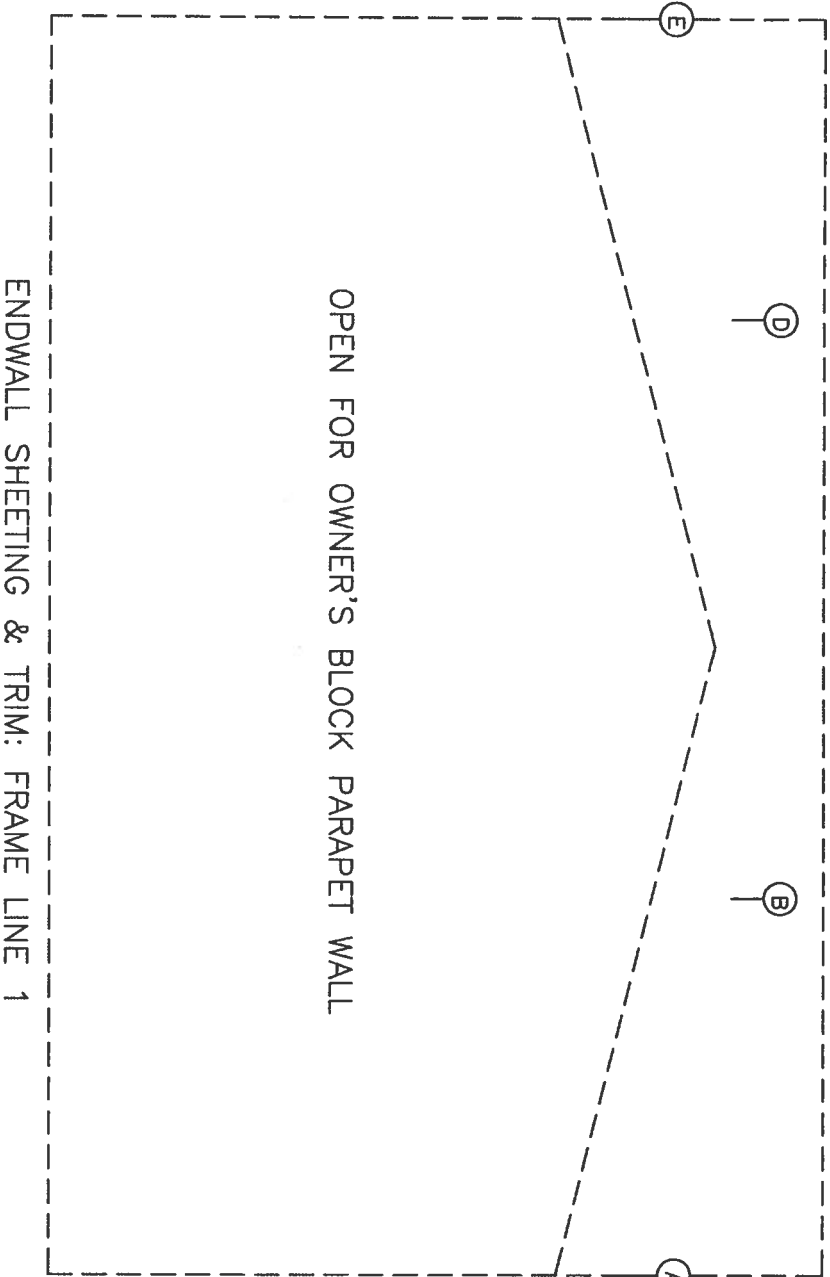
SCALE:
NONE

DRAWING NO:
PAGE 11

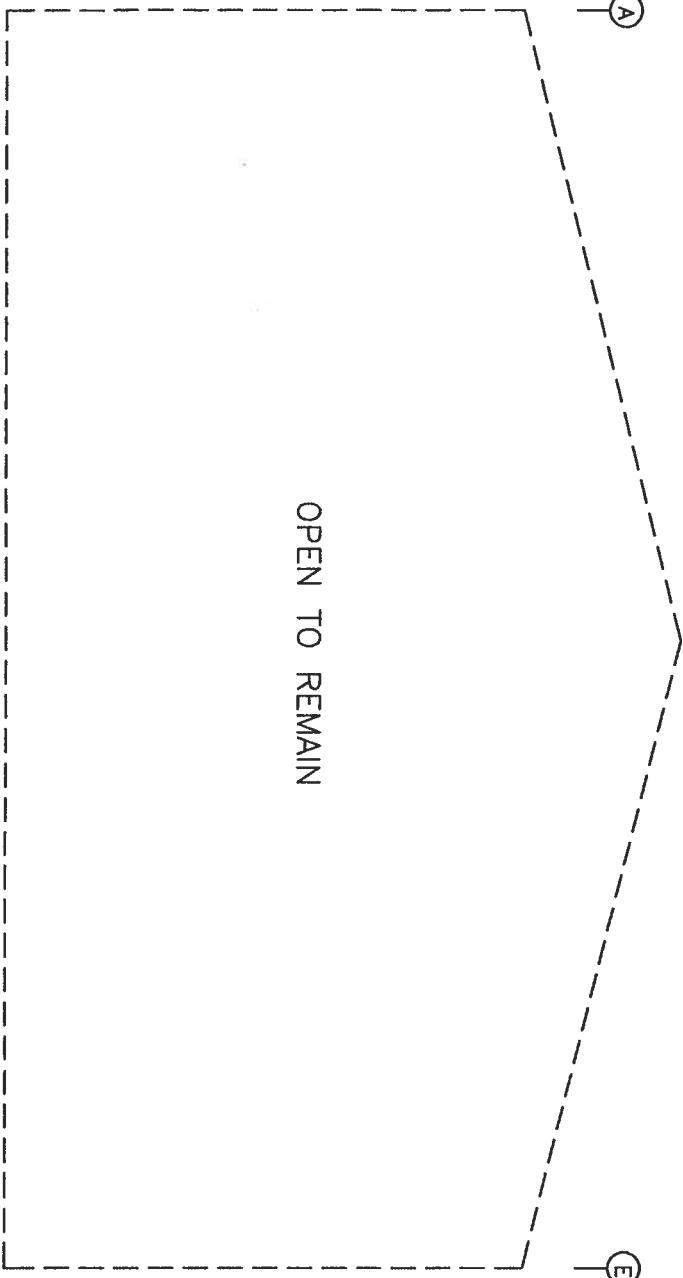
DRAWN BY:
MSS

CHECKED BY:

REVISIONS
[1] 09/06/06
[2]
[3]



ENDWALL SHEETING & TRIM: FRAME LINE 5
PANELS: 26 GA. U - LIGHT STONE



ENDWALL SHEETING & TRIM: FRAME LINE 6

TRIM TABLE		
FRAME LINE 1 & 5		
QID	PART	LENGTH
1	U HEAD	20'-3"
2	U HEAD	10'-0"
3	I/S CORN	20'-0"
4	PART-BOT	20'-3"
5	PART-BOT	5'-10"
6	PART-TOP	3'-4 15/16"
7	PART-TOP	4'-5 1/8"
8	PART-TOP	3'-6 15/16"
9	PART-BOT	1'-3"

CUSTOMER: SBS STEEL BUILDING SYSTEMS, INC.		
COSTAGNA CONSTRUCTION, INC.		
JOB NO:	06-07-175	DATE: 7/13/06
REVISIONS		
[1]	09/06/06	
[2]		
[3]		
LOCATION: LAKE CITY, FLORIDA		
DRAWING NAME: ENDWALL LINER PANELS & TRIM		
SCALE: NONE		
DRAWING NO: PAGE 11.1		
MSS		

STRUCTURAL STAMP

Handwritten signature and date: 8/7/06

