

STORAGE SYSTEMS
A division of Vulcan Steel Structures, Inc.

CUSTOMER: MINI-STORAGE & RECORD STORAGE OF LAKE CITY, INC.

JOB NUMBER: 15128-2S

STREET ADDRESS: 442 SW SAINT MARGARET STREET

CITY: LAKE CITY

STATE: *FLORIDA*

ZIP CODE: 32025

SNOW
FLAT ROOF SNOW LOAD: $P_f = 0$
GROUND SNOW LOAD: $P_g = 0$
SNOW LOAD IMP. FACTOR: $I_s = .80$
SNOW LOAD EXP. FACTOR: $C = 1.0$
THERMAL FACTOR: $C_t = 1.0$
DESIGN LOADS

BUILDING CODE:	FBC 2004
FRAME SELF WEIGHT:	INCLUDED
ROOF DEAD LOAD:	2 psf
COLLATERAL LOAD:	0 psf
LIVE LOAD:	20 psf
<u>WIND</u>	
WIND SPEED:	120 mph 3-sec gusts
WIND EXPOSURE:	B
CLOSURE "C, O, P" :	C
IMP. FACTOR, WIND :	$I_w = .87$
BUILDING CATEGORY:	MINI STORAGE IV
SEISMIC PARAMETERS:	
SEISMIC USE GROUP:	I
SPECTRUAL RESPONSE COEFF. SDS = .08 (2 SEC PERIOD)	
SPECTRUAL RESPONSE COEFF. SDI = .04 (1.0 SEC PERIOD)	
SEISMIC DESIGN CAT.:	A
SEISMIC PERFORMANCE CAT.:	= N/A
SITE CLASS (ASSUMED):	
DESIGN BASE SHEAR: = .50	
BASIC SEISMIC-FORCE RESISTING SYSTEM	
SHEAR DIAPHRAGM	

BUILDING DESCRIPTION			ACCESSORIES			PANELS & TRIM			FASTENERS			DRAWING INDEX		
WIDTH		40'-0"	DESCRIPTION	QTY	SIZE	DESCRIPTION	SIZE / TYPE	COLOR	APPLICATION	TYPE	LONG-LIFE	COLOR	SHEET NO.	DESCRIPTION
LENGTH		210'-0"	FRAMED OPENINGS	38	8'-0" x 7'-0"	ROOF PANELS	26 GA. "PBR"	GALVALUME	ANCHOR BOLT	3/8" x 2 3/4" KWIK BOLTS	-	N/A	C1 OF 1	COVER SHEET
EAVE HEIGHT		10'-0"	FRAMED OPENINGS	16	3'-0" x 7'-0"	WALL PANELS	26 GA. "R"	LIGHT STONE	ROOF MEMBER	#12 x 1 1/4" L.L.S.D. w/ WASHER	Y	PLAIN	E1 OF 8	REACTIONS & CONC. NOTCH DET.
BUILDING TYPE		MINI (GABLED)	FRAMED OPENINGS			PARTITION PANELS	29 GA. "R"	GALVALUME	ROOF STITCH	#14 x 7/8" L.L.S.D. w/ WASHER	Y	PLAIN	E2 OF 8	BAY LAYOUT PLAN
		BAY / UNIT SIZES:	FRAMED OPENINGS			MULLION PANELS	26 GA.	LIGHT STONE	WALL MEMBER	#12 x 1 1/4" S.D. w/ WASHER	N	LIGHT STONE	E3 OF 8	FLOOR PLAN
QTY		SIZE	FRAMED OPENINGS			RAKE TRIM	26 GA.	BURNISHED SLATE	WALL STITCH	#14 x 7/8" S.D. w/ WASHER	N	LIGHT STONE	E4 OF 8	ROOF PLAN
16		5'-0" x 10'-0"	ROLL - UP DOORS	38	8'-0" x 7'-0"	SIMPLE EAVE TRIM	26 GA.	N/A	TRIM MEMBER	#12 x 1 1/4" S.D. w/ WASHER	N	BURNISHED SLATE	E5 OF 8	FRONT SIDEWALL ELEV.
38		10'-0" x 20'-0"	ROLL - UP DOORS	16	3'-0" x 7'-0"	GUTTER	26 GA.	BURNISHED SLATE	TRIM STITCH	#14 x 7/8" S.D. w/ WASHER	N	BURNISHED SLATE	E6 OF 8	BACK SIDEWALL ELEV.
			DOORS			DOWNPOUTS	26 GA.	BURNISHED SLATE	FRAMING	#12 x 1 1/4" S.D. w/o WASHER	N	PLAIN	E7 OF 8	ENDWALL ELEV.
			DOORS	--	--	CORNER TRIM	26 GA.	BURNISHED SLATE	PARTITION	#12 x 1 1/4" S.D. w/o WASHER	N	PLAIN	E8 OF 8	CROSS SECTION
			OTHER	--	--	ROLL UP DOORS	DBCI SERIES 750"	BRONZE	PARTITION STITCH	#14 x 7/8" S.D. w/o WASHER	N	PLAIN	SI THRU S4	DETAILS & SECTIONS
			OTHER	--	--									

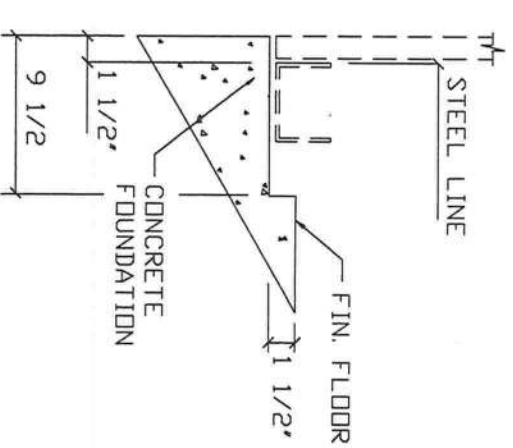
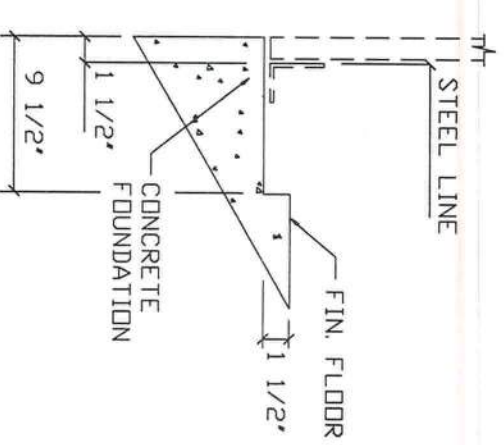
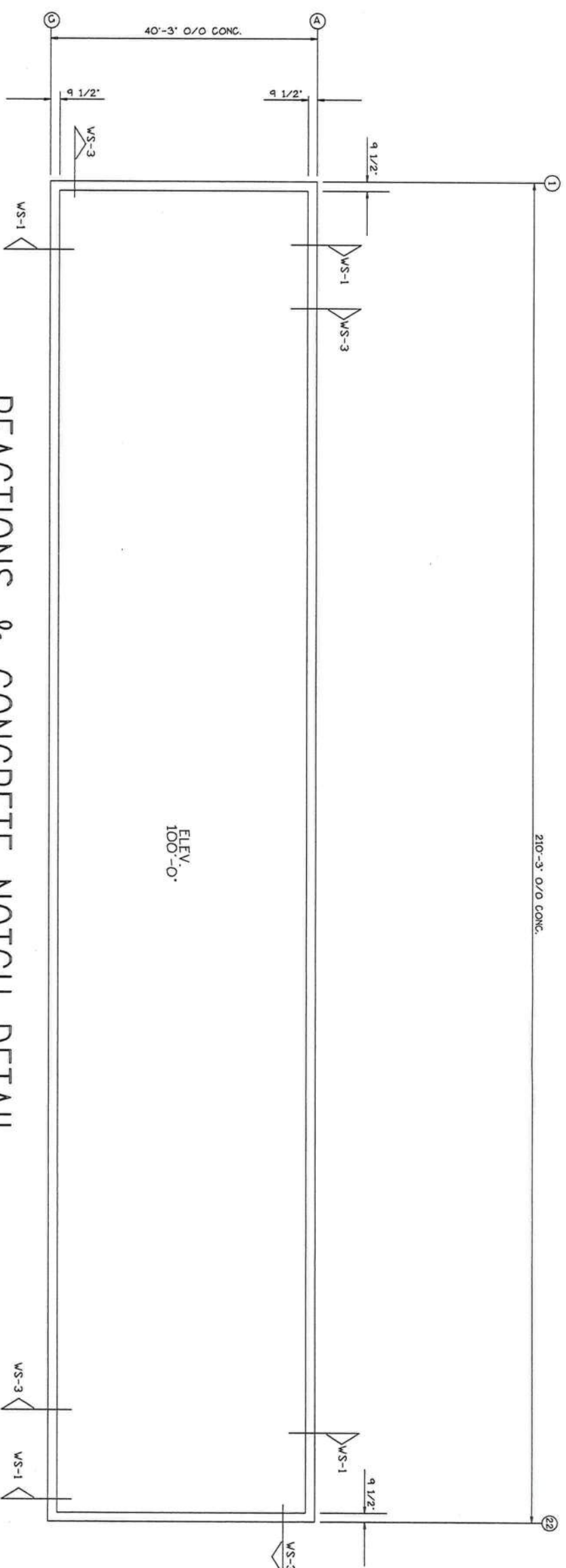
APPROVED
(Subject to Revisions)
Inspection Department
Lake City Fire Dept.
State Fire Inspector
License # 113360

By: D. Kelly Date: 10-18-06

Assembly
10/6/05

BUILDING "B"

DATE	9/26/05
SHEET NO.	C1 OF 1



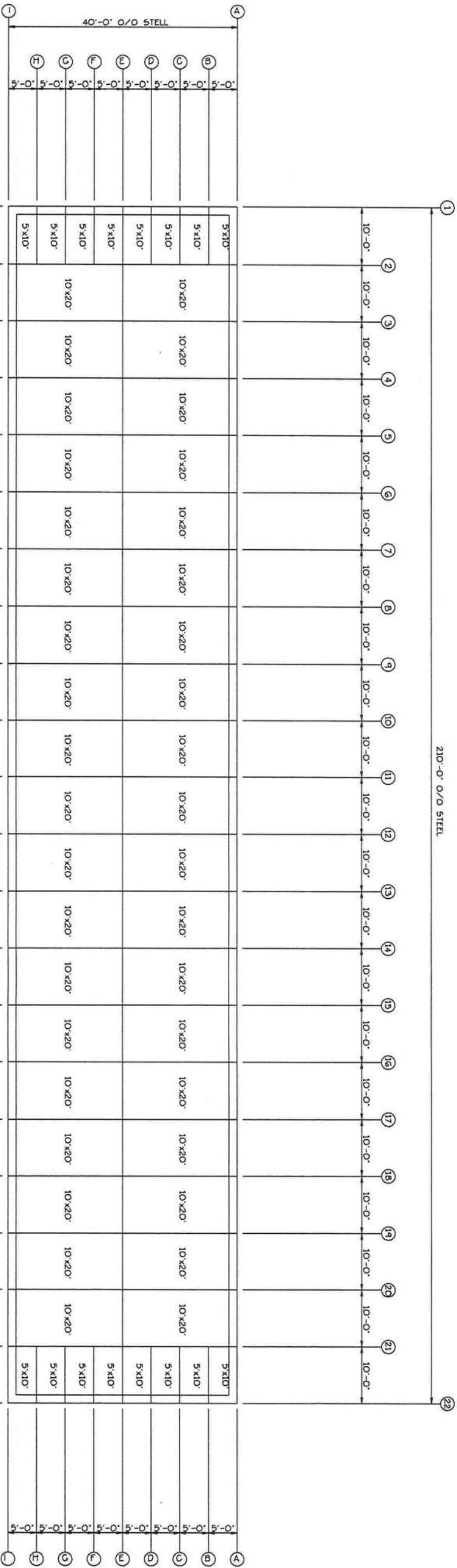
REACTIONS

COMPRESSION (lbs)	=	1100
UPLIFT (lbs)	=	-1200
HORIZONTAL (lbs)	=	275

BUILDING "B"

APPLICATION OF SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.

REVISIONS							DRAWING STATUS		VULCAN STEEL		MINI-STORAGE & RECORD STORAGE			
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD					PROJECT	30 x 235 x 10	REACTIONS & CORETE NOTCH DETAIL	DRAFT: JS
								☒ FOR CONSTRUCTION	ID	15128-2	DESIGN:		SHEET	EI OF 8
								☐ FOR PERMIT ONLY	PROJECT	LAKE CITY, FL	DATE: 9/ 8/05			
								☐ FOR APPROVAL	ADDRESS					
								☐ OTHER, EXPLAIN						



LAYOUT PLAN

BUILDING "B"

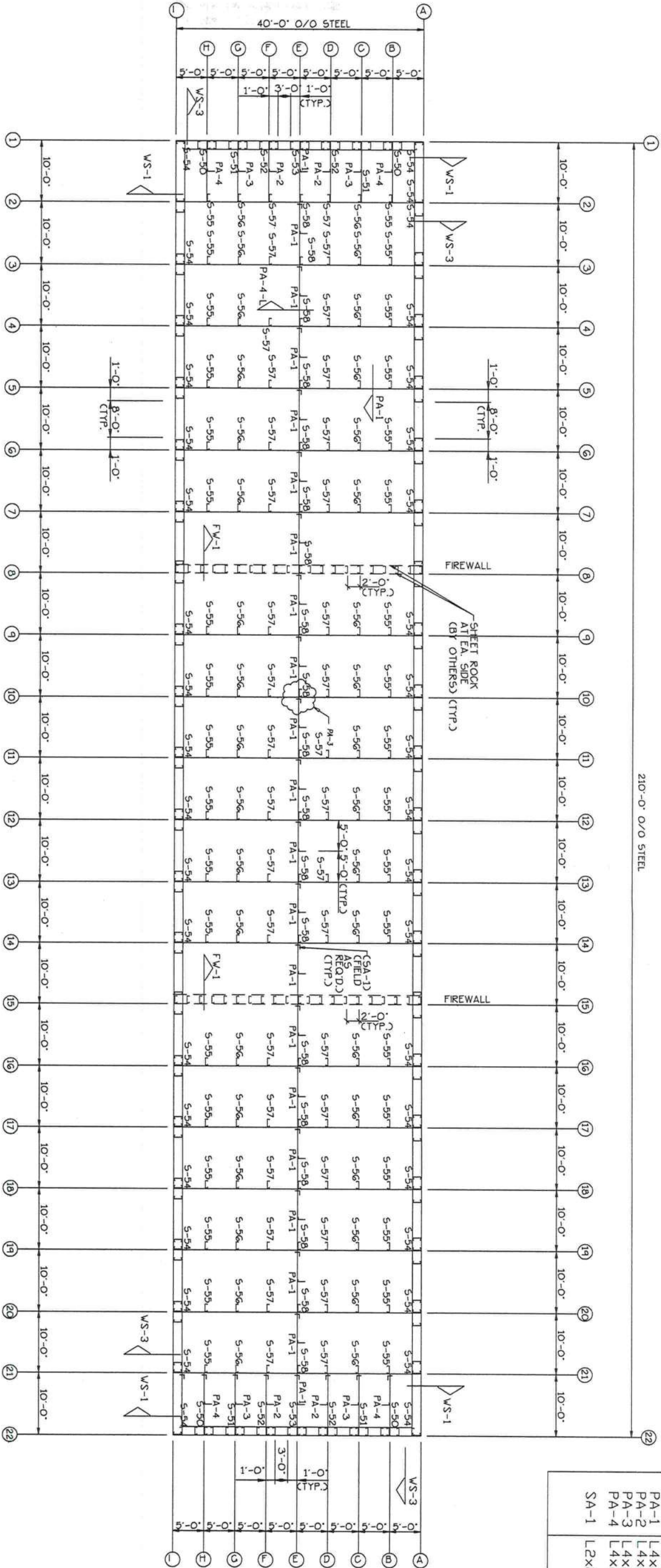
APPLICATION OF SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.

REVISIONS						DRAWING STATUS				VULCAN STEEL				MINI-STORAGE & RECORD STORAGE						
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD	☐ FOR CONSTRUCTION	☒ FOR PERMIT ONLY	☐ FOR APPROVAL	☐ OTHER, EXPLAIN		PROJECT	40 x 210 x 10	LAYOUT PLAN	DESIGN:	DRAFT: 1S	CHECK: VP	DATE: 9/ 8/05	SHEET	E2 OF 8
												ID	15128-2							
												PROJECT	LAKE CITY, FL							
												ADDRESS								

10/6/05

SEAL

MEMBER TABLE		
MARK	PART	LENGTH
S-50	4X20C16	10'-4"
S-51	4X20C16	10'-6 1/2"
S-52	4X20C16	10'-9"
S-53	4X20C16	10'-11 1/2"
S-54	4X20C16	10'-1 1/2"
S-55	4X20C16	10'-2"
S-56	4X20C16	10'-4 1/2"
S-57	4X20C16	10'-7"
S-58	4X20C16	10'-9 1/2"
PA-1	L4x2x16GA.	10'-9 1/2"
PA-2	L4x2x16GA.	10'-7"
PA-3	L4x2x16GA.	10'-4 1/2"
PA-4	L4x2x16GA.	10'-2"
SA-1	L2x2x16GA.	(FIELD CUT AS REQ'D.)



DESIGN LOADS

SEE SHEET E1 OF 8

SHEETING

- ROOF PNL'S, 26 GA. "PBR" (GALVALUME)
- WALL PNL'S, 26 GA. "R" (LIGHT STONE)
- PARTN. PNL'S, 29 GA. "R" (GALVALUME)
- MULLION PNL'S, 26 GA. (LIGHT STONE)

TRIM

- RAKE TRIM 26 GA. (BURNISHED SLATE)
- GUTTER 26 GA. (BURNISHED SLATE)
- HEAD TRIM 26 GA. (LIGHT STONE)
- CORNER TRIM 26 GA. (BURNISHED SLATE)
- HEAD COVER TRIM 26 GA. (LIGHT STONE)
- JAMB TRIM 26 GA. (LIGHT STONE)
- JAMB COVER TRIM 26 GA. (LIGHT STONE)
- DOWNSPOUT 26 GA. (BURNISHED SLATE)

FLOOR PLAN

4" PSK INSULATION
AT FIREWALLS
(BY VULCAN)

BUILDING "B"

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SEAL

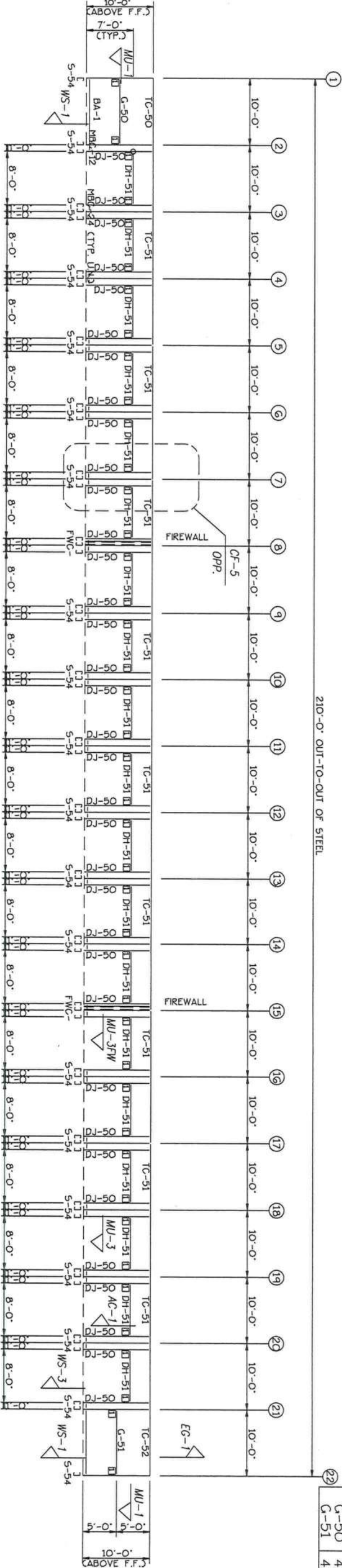
REVISIONS						DRAWING STATUS				VULCAN STEEL				MINI-STORAGE & RECORD STORAGE			
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD	☐ FOR CONSTRUCTION	☒ FOR PERMIT ONLY	☐ FOR APPROVAL	☐ OTHER, EXPLAIN							

10/6/05

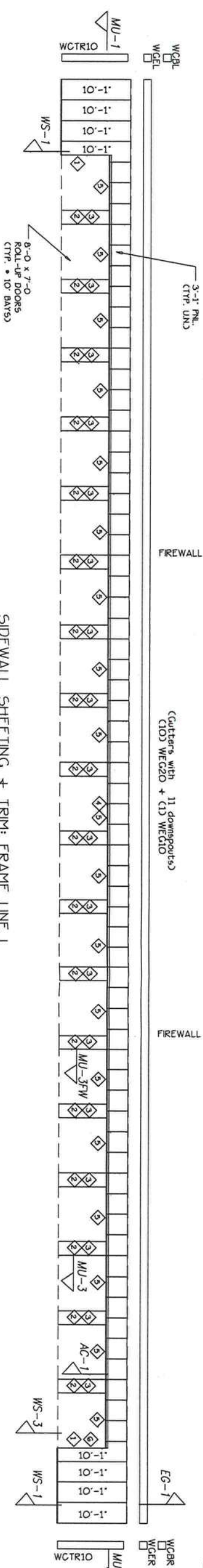
TRIM TABLE			
ID	MARK	LENGTH	DETAIL
1	WCTR	10'-1"	
2	WJTR7	7'-3"	
3	WMP2407	7'-0"	
4	WMC24	2'-0"	
5	WHT20	20'-3"	
6	WCTAO8	8'-0"	
	WCTAO7	7'-0"	

MEMBER TABLE		
MARK	PART	LENGTH
5-54	4X20C16	10'-1 1/2"
DJ-50	4X20C16	10'-1 1/2"
TC-50	4 1/8X3CH16	19'-10 3/4"
TC-51	4 1/8X3CH16	19'-11 3/4"
TC-52	4 1/8X3CH16	10'-0 3/4"
DH-51	4X20C16	7'-11 1/2"
G-50	4X20C16	9'-7 1/2"
G-51	4X20C16	9'-9 1/2"

CONNECTION PLATES	
☐ ID	MARK/PART
1	MC-1



SIDEWALL FRAMING: LINE 1



SIDEWALL SHEETING + TRIM: FRAME LINE 1
PANELS: 26 Ga. R - NEED COLOR

APPLICATION OF SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.

REVISIONS						DRAWING STATUS						VULCAN STEEL			
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD	() FOR CONSTRUCTION	(X) FOR PERMIT ONLY	() FOR APPROVAL	() OTHER, EXPLAIN		PROJECT	ID	DESIGN	DATE
												LAKE CITY, FL			9/ 8/05

BUILDING "B"

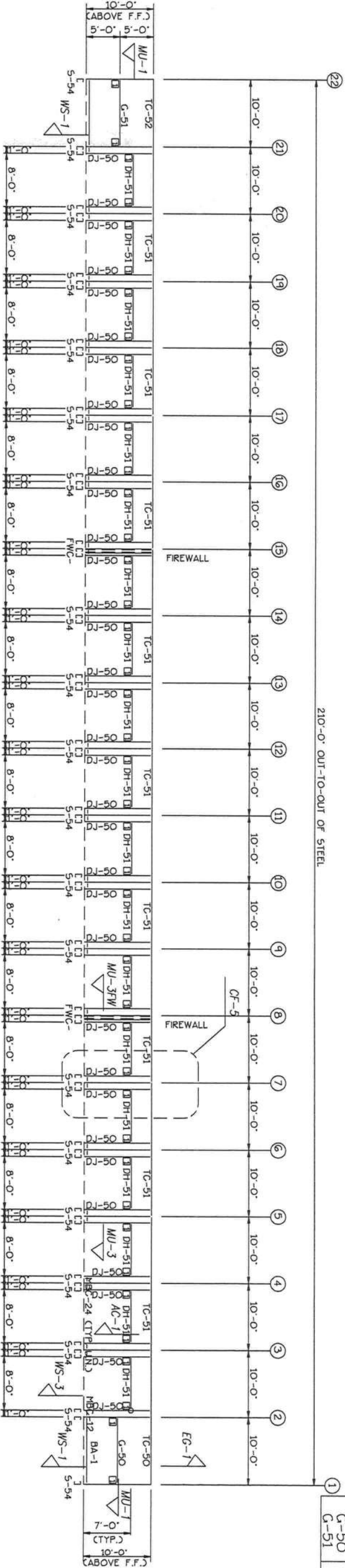
10/6/05

MINI-STORAGE & RECORD STORAGE					
FRONT SIDEWALL DRAWING	DRAFT: IS	CHECK: VP	DATE: 9/ 8/05	SHEET	ES OF 8

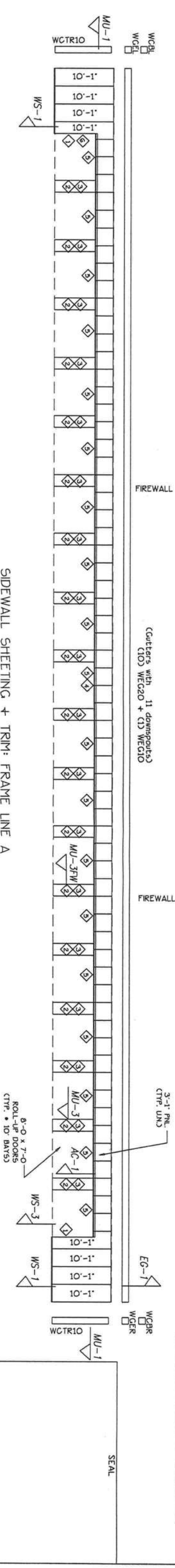
TRIM TABLE			
ID	MARK	LENGTH	DETAIL
1	WCJR	10'-1"	
2	WMP2407	7'-3"	
3	WMC24	7'-0"	
4	WH120	2'-0"	
5	WCTAO8	20'-3"	
6	WCTAO7	8'-0"	
		7'-0"	

MEMBER TABLE		
MARK	PART	LENGTH
S-54	4X2OC16	10'-1 1/2"
DJ-50	4X2OC16	10'-1 1/2"
TC-50	4 1/8X3CH16	19'-10 3/4"
TC-51	4 1/8X3CH16	19'-11 3/4"
TC-52	4 1/8X3CH16	10'-0 3/4"
DH-51	4X2OC16	7'-11 1/2"
G-50	4X2OC16	9'-7 1/2"
G-51	4X2OC16	9'-9 1/2"

CONNECTION PLATES	
☐ ID	MARK/PART
1	MC-1



SIDEWALL FRAMING: LINE A



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SIDEWALL SHEETING + TRIM: FRAME LINE A
PANELS: 26 GA. R - NEED COLOR

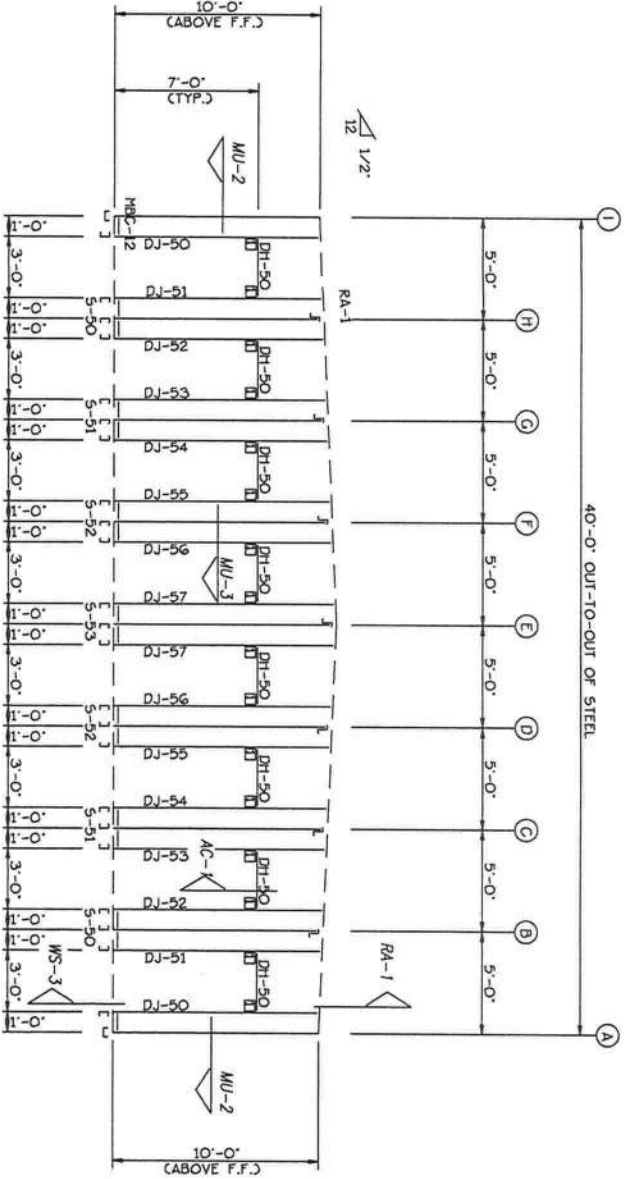
PANELS: 26 GA. R - NEED COLOR

REVISIONS				DRAWING STATUS				VULCAN STEEL				MINI-STORAGE & RECORD STORAGE			
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD									
							☐ FOR CONSTRUCTION								
							☒ FOR PERMIT ONLY								
							☐ FOR APPROVAL								
							☐ OTHER, EXPLAIN								
DO NOT WRITE IN THESE SPACES															
							PROJECT ID 15128-2								
							PROJECT LAKE CITY, FL								
							ADDRESS								
							DESIGN: _____ DRAWN: _____								
							DATE: 9/8/05 SHEET 66 OF 8								

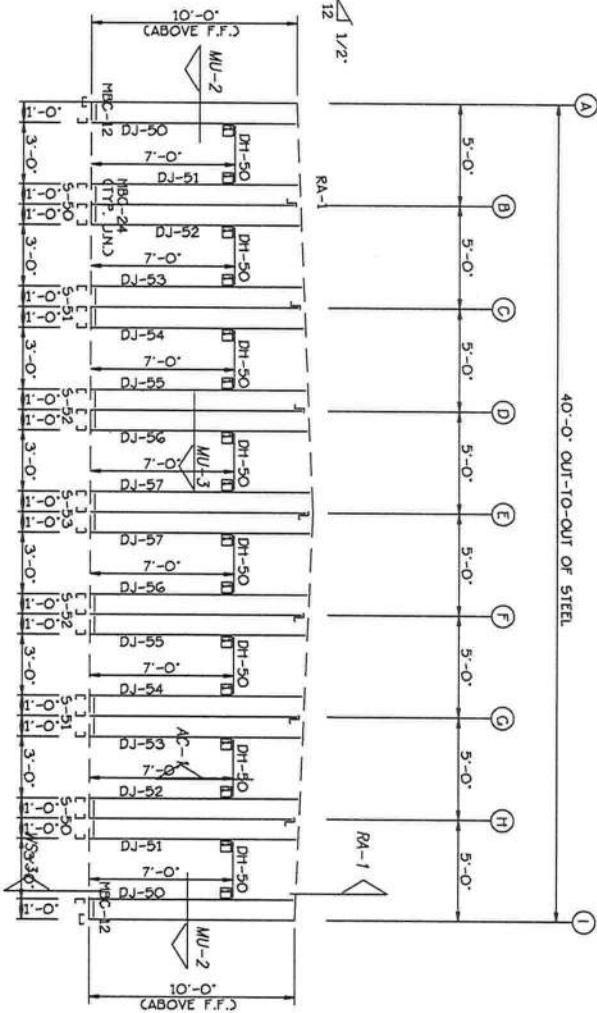
TRIM TABLE		
QID	MARK	DETAIL
1	WCP1207	7'-0"
2	WMC12	1'-0"
3	WMP2407	7'-0"
4	WMC24	2'-0"
5	WHT20	20'-3"
6	WCTAO3	3'-0"

MEMBER TABLE		
MARK	PART	LENGTH
S-50	4X20C16	10'-4"
S-51	4X20C16	10'-6 1/2"
S-52	4X20C16	10'-9"
S-53	4X20C16	10'-11 1/2"
DJ-50	4X20C16	10'-1 1/2"
DJ-51	4X20C16	10'-3"
DJ-52	4X20C16	10'-4"
DJ-53	4X20C16	10'-5 1/2"
DJ-54	4X20C16	10'-6 1/2"
DJ-55	4X20C16	10'-8"
DJ-56	4X20C16	10'-9"
DJ-57	4X20C16	10'-10 1/2"
DH-50	4X20C16	2'-11 1/2"

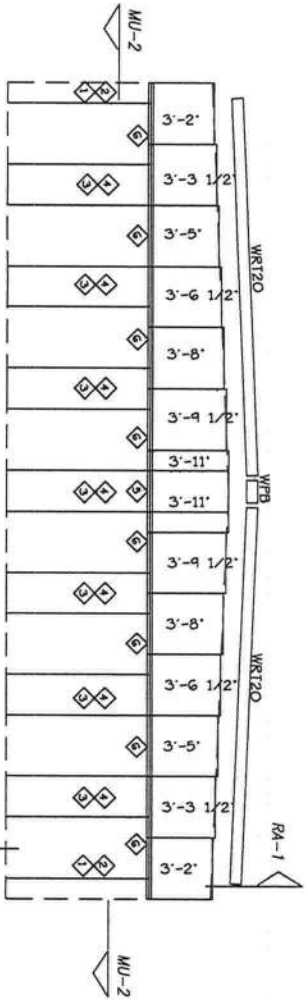
CONNECTION PLATES		
QID	MARK/PART	
1	MC-1	



ENDWALL FRAMING: LINE 22

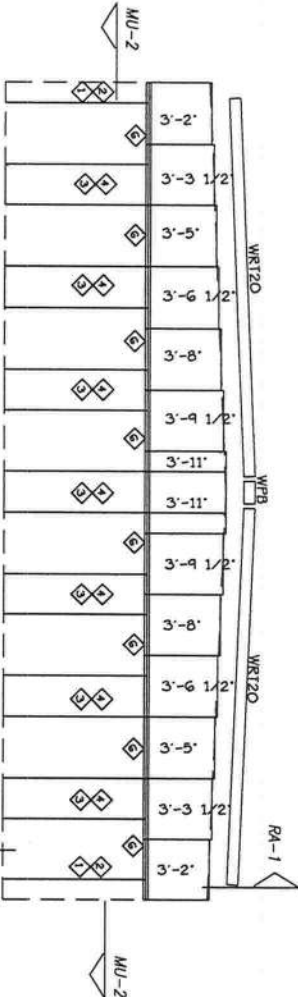


ENDWALL FRAMING: LINE 1



ENDWALL SHEETING + TRIM: FRAME LINE 22

PANELS: 26 GA. R - NEED COLOR



ENDWALL SHEETING + TRIM: FRAME LINE 1

PANELS: 26 GA. R - NEED COLOR

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SEAL

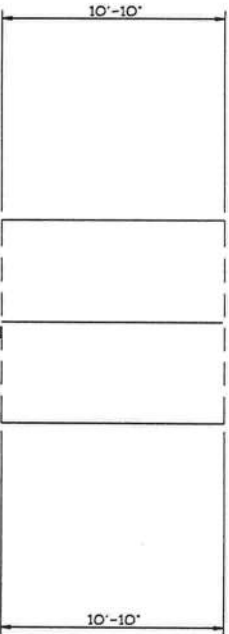
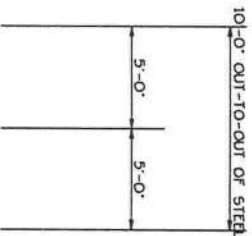
BUILDING "B"

REVISIONS					DRAWING STATUS					VULCAN STEEL				
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD					PROJECT	40 x 210 x 10	DESIGN	ENDWALL DRAWING
											PROJECT	15128-2	DRAFT	IS
											ADDRESS	LAKE CITY, FL	SHEET	E7 OF 8

10/6/05

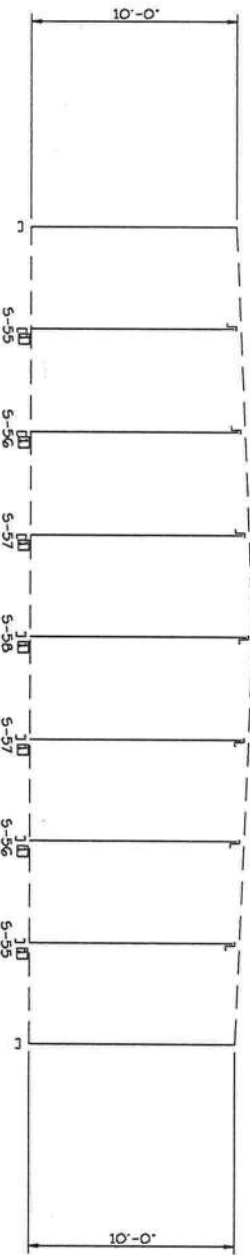
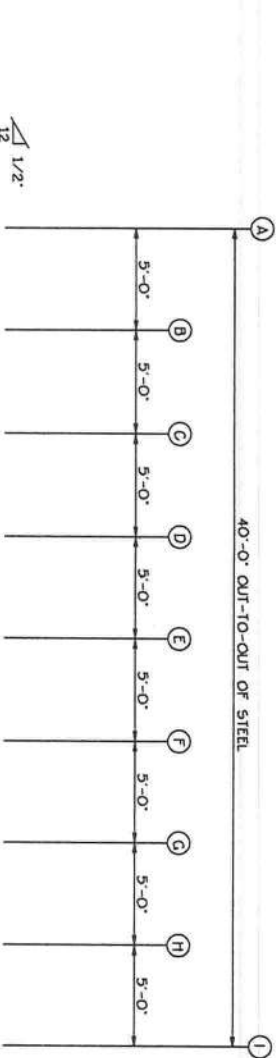
MEMBER TABLE		
MARK	PART	LENGTH
S-55	4X20C16	10'-2 1/2"
S-56	4X20C16	10'-5"
S-57	4X20C16	10'-7 1/2"
S-58	4X20C16	10'-10"
PA-1	L4X2X16GA	10'-9 1/2"
PA-2	L4X2X16GA	10'-7"
PA-4	L4X2X16GA	10'-4 1/2"
PA-3	L4X2X16GA	10'-2"
SA-1	L2X2X16GA	(FIELD CUT AS REQ'D.)

CONNECTION PLATES	
ID	MARK/PART
1	BC-1



- SA-1 J10 S-58 (LINE E)
S-52 J10 S-57 (LINE D + F)
S-51 J10 S-56 (LINE C + G)
S-50 J10 S-55 (LINE C + G)

PARTITION WALL FRAMING



PARTITION WALL FRAMING: LINE 2 THRU 21

9'-10 1/2'
9'-10 1/2'
9'-10 1/2'

20'-3'
20'-3'
20'-3'

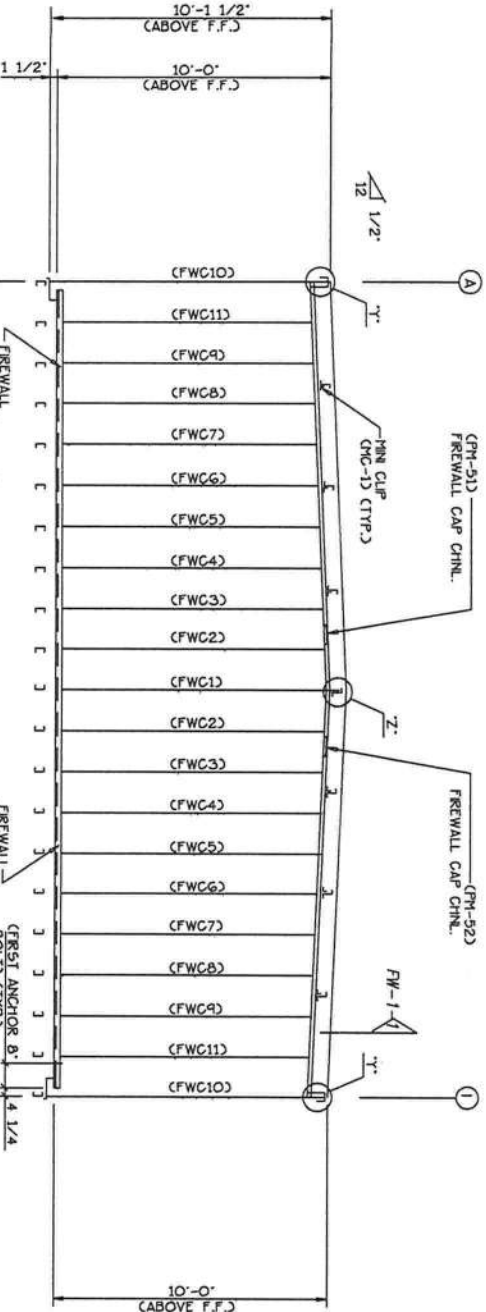
PARTITION WALL SHEETING + TRIM: FRAME LINE 2 THRU 21

PANELS: 29 Ga. R - Galvalume

PARTITION WALL SHEETING + TRIM: FRAME LINE E

PANELS: 29 Ga. R - Galvalume

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FIREWALL
BASE CHNL.
(FH-50)

FIREWALL
BASE CHNL.
(FH-50)

(FIRST ANCHOR B.)
BOLT (TYP.)

4 1/4"

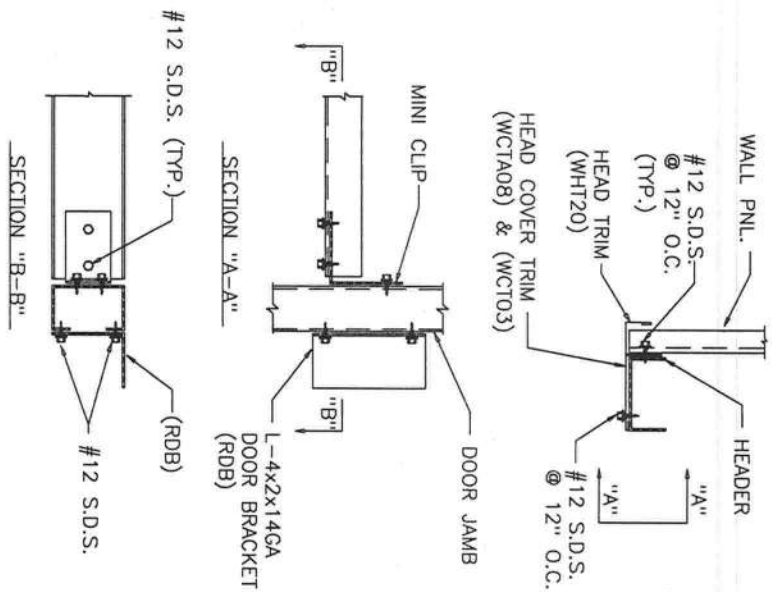
FRAMING AT FIREWALL • COL. LINE 8 + 15

REVISIONS							DRAWING STATUS		VULCAN STEEL		MINI-STORAGE & RECORD STORAGE			
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD	☐ FOR CONSTRUCTION	☒ FOR PERMIT ONLY	PROJECT	40 x 210 x 10	PARTITION DRAWING			
							☐ FOR APPROVAL		ID	15128-2	DESIGN	DRAFT IS	CHECK: VP	
							☐ OTHER, EXPLAIN		PROJECT	LAKE CITY, FL	DATE: 9/ 8/05	SHEET	8 OF 8	
									ADDRESS					

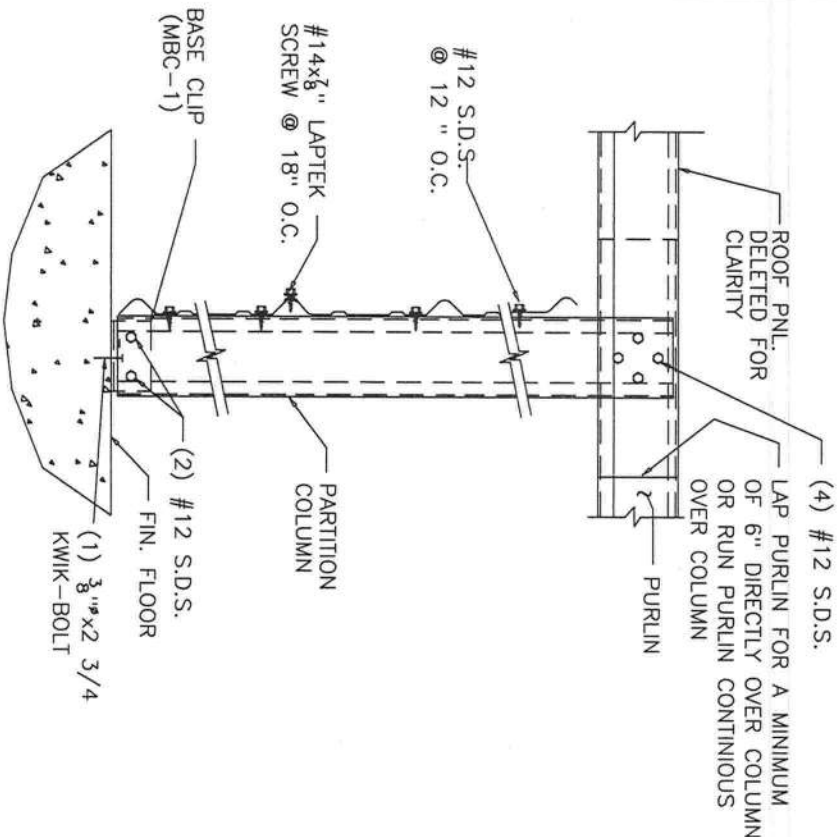
BUILDING "B"

10/6/05

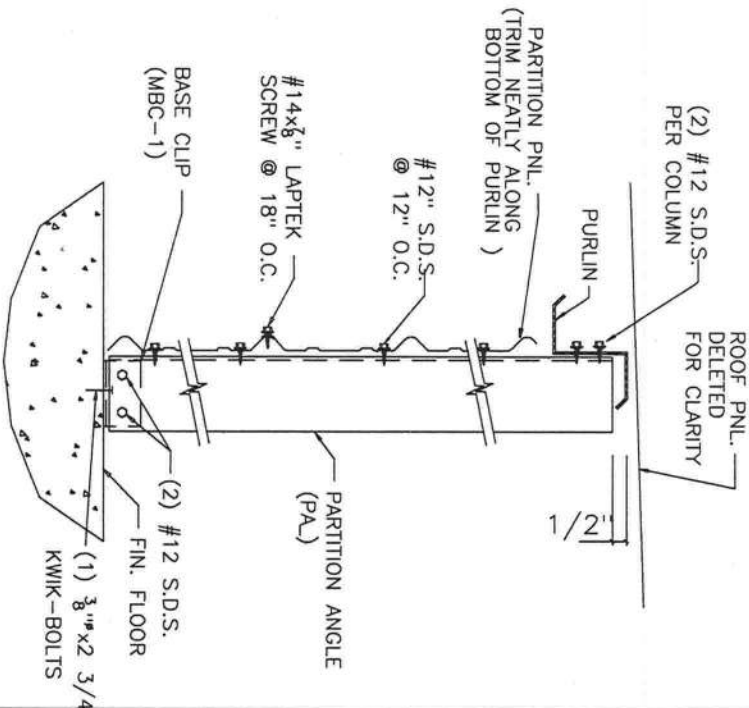
SEAL



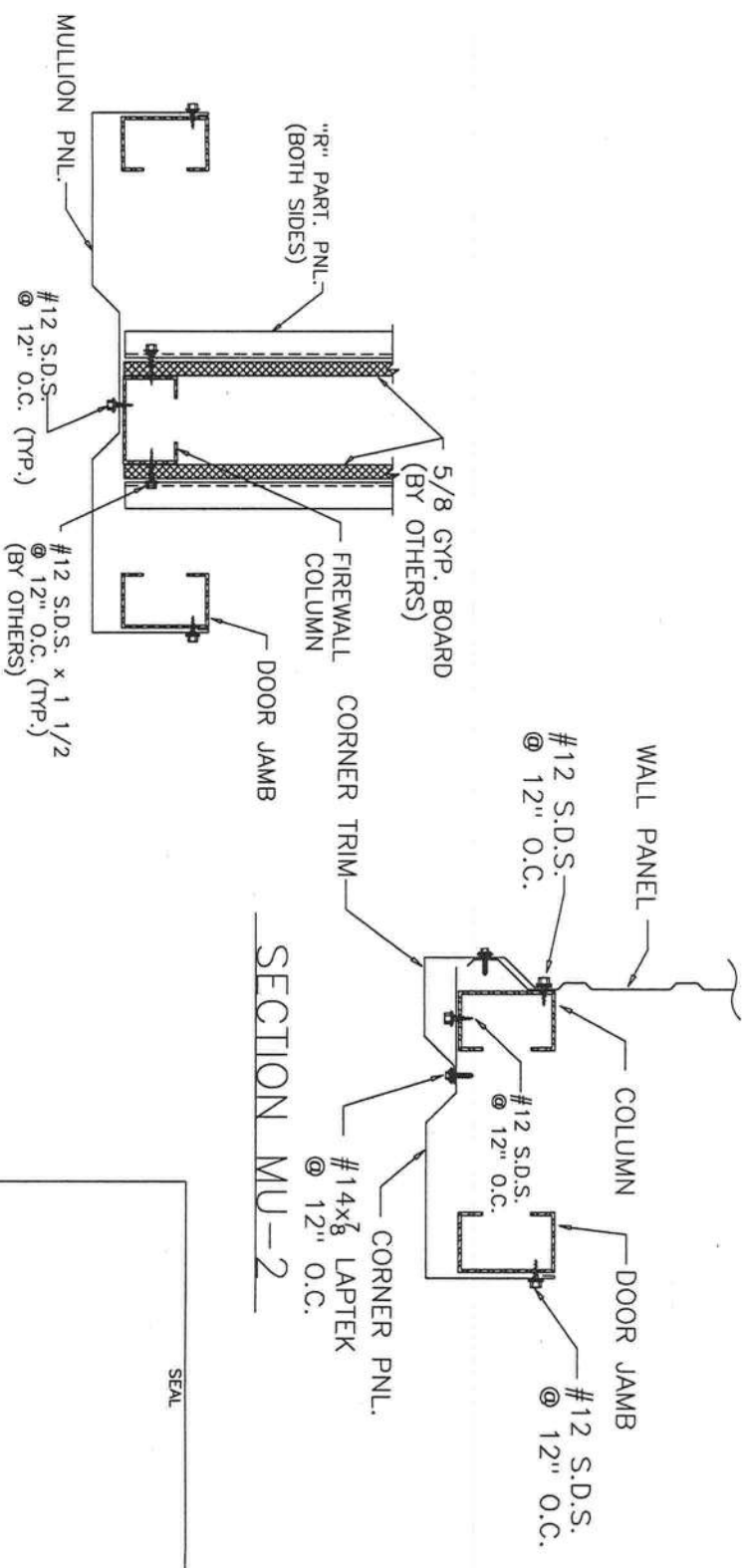
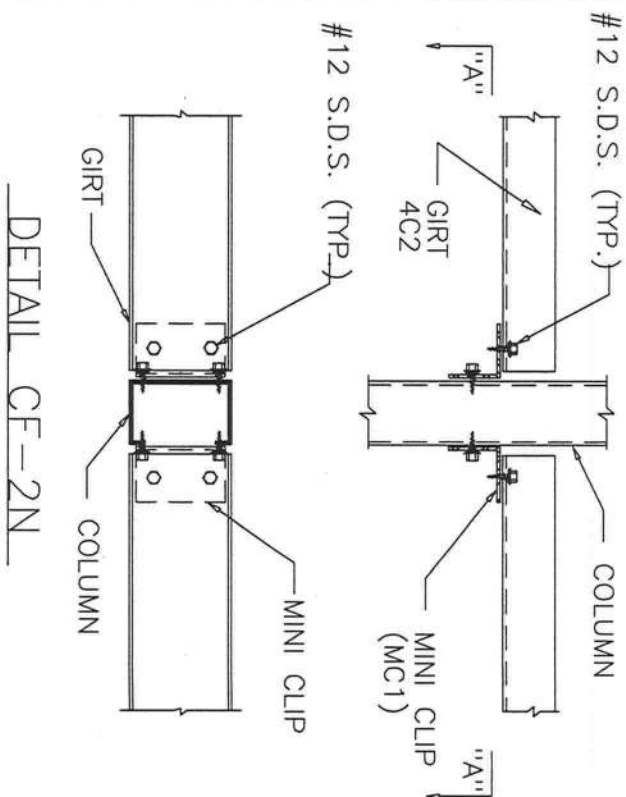
SECTION AC-1



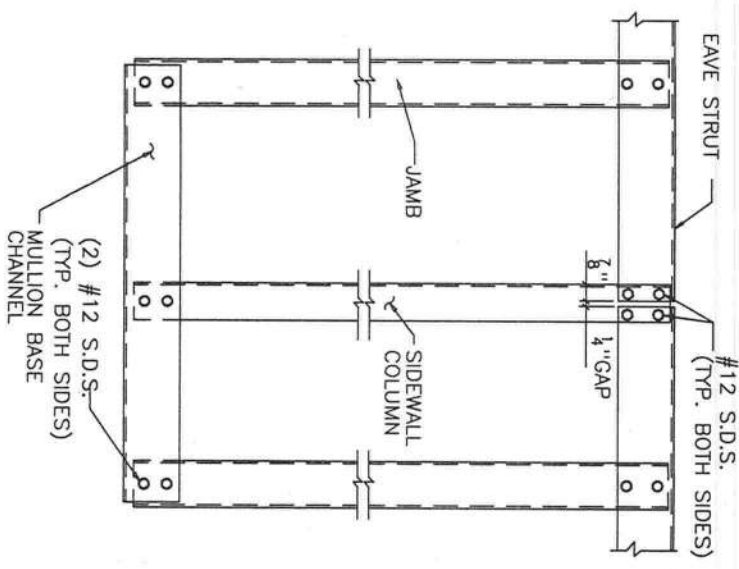
SECTION PA-1



SECTION PA-4-1



DETAIL CF-5



SECTION MU-3FW

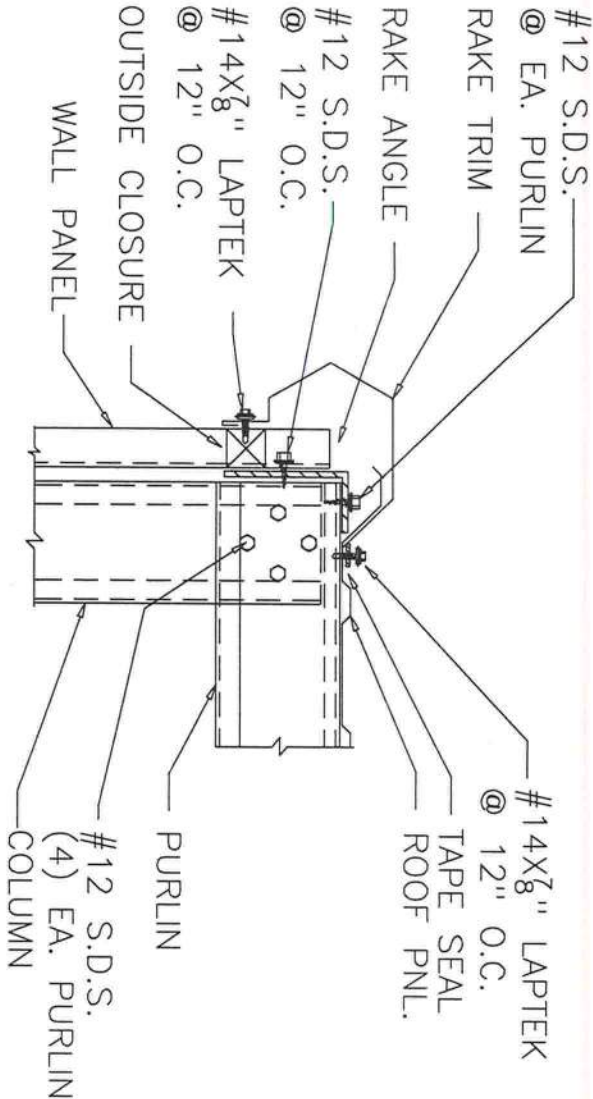
BUILDING "B"

SEAL

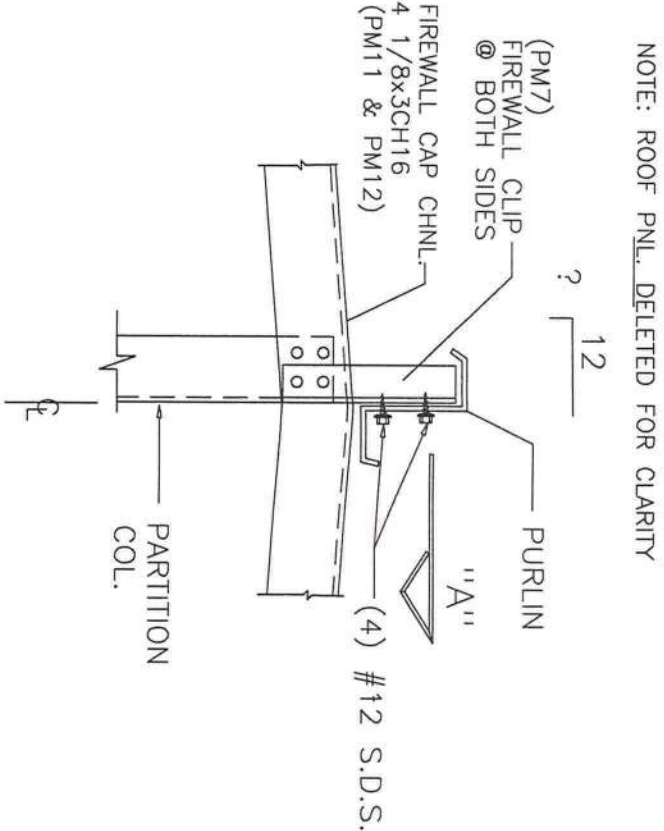
APPLICATION OF SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.

REVISIONS						DRAWING STATUS						GENERAL STEEL				MINI-STORAGE & RECORD STORAGE			
REV.	DESCRIPTION:	DATE	DLR	DATE	CHKR	APPD	{ } FOR CONSTRUCTION						PROJECT	40'-0" x 210'-0" x 10'-0"	DETAILS & SECTIONS	DESIGN:	DATE: 9/8/05	SHEET	ST OF 4
							{ } FOR PERMIT ONLY						15128-2			DRAFT: JS		CHECK: WP	
							{ } OTHER, EXPLAIN						LAKE CITY, FL						

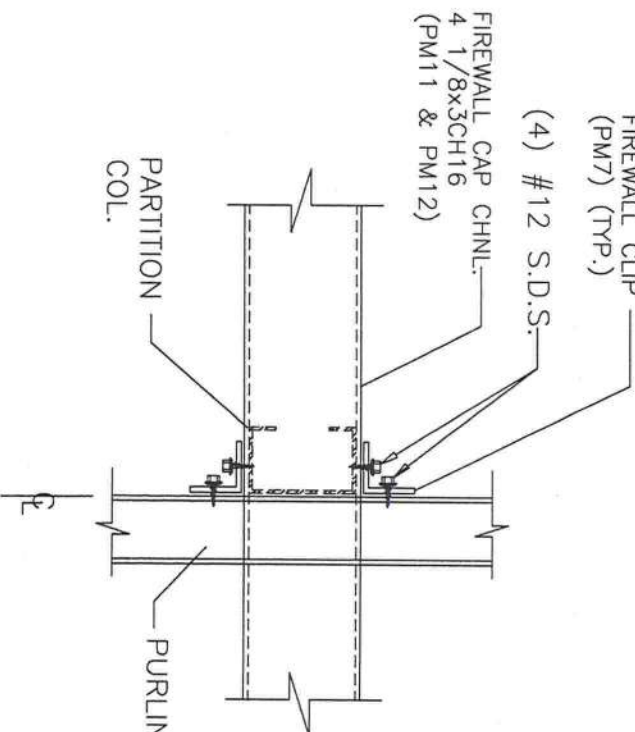
10/6/05



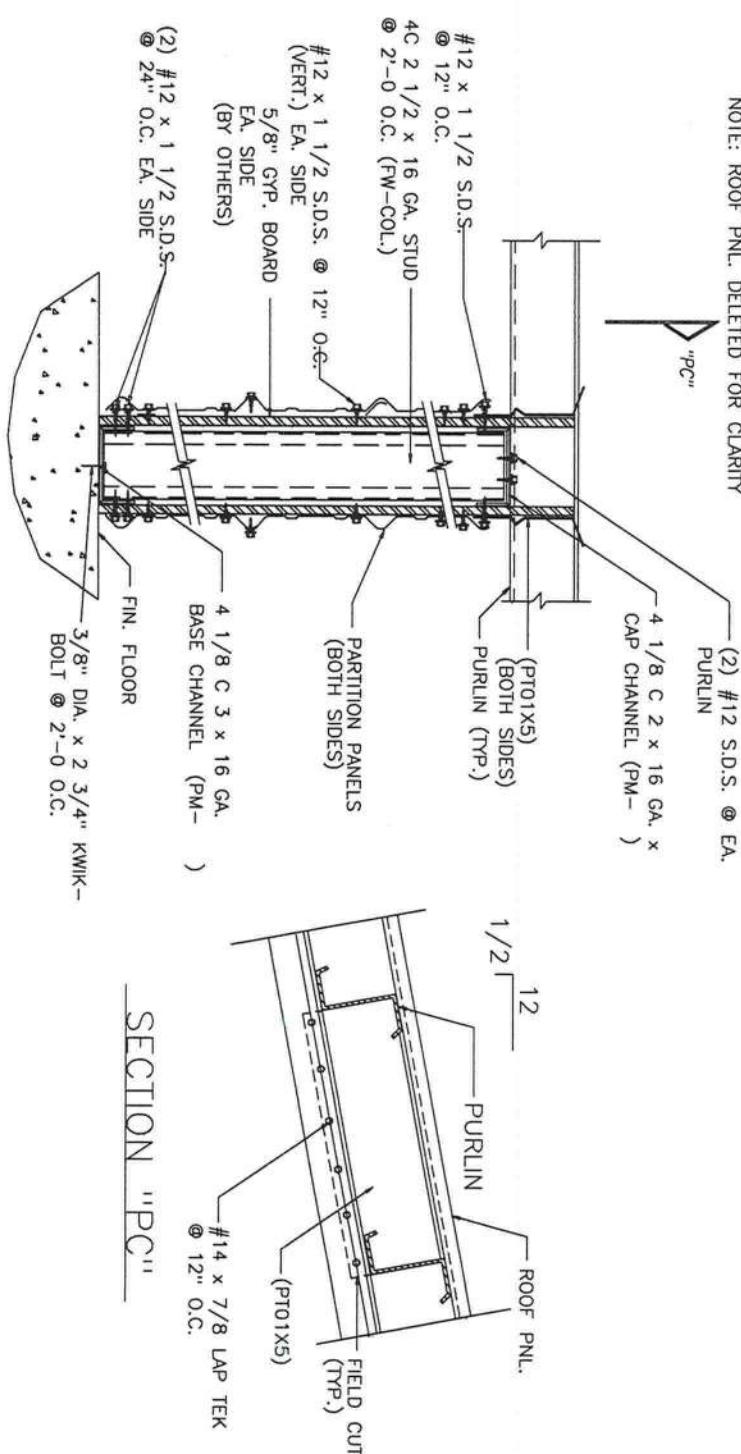
SECTION RA-1



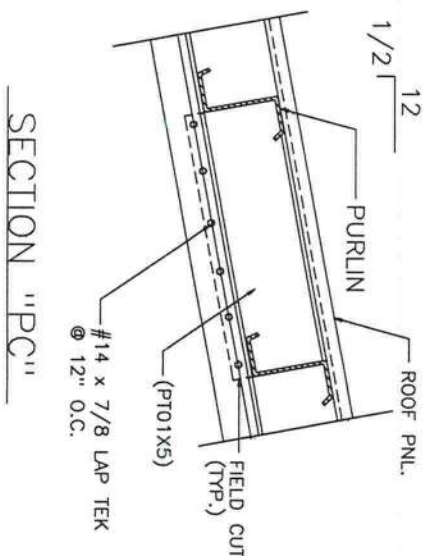
DETAIL "Z"



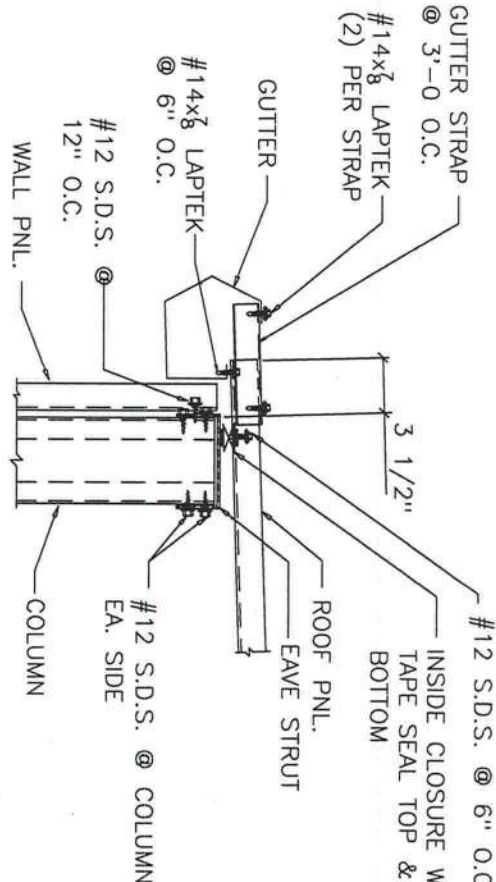
SECTION "A"



SECTION FW-1
TYP. AT FIREWALL



SECTION "PC"



SECTION EG-1

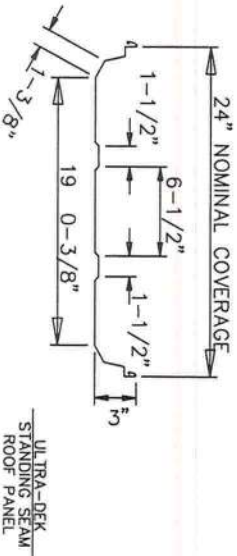
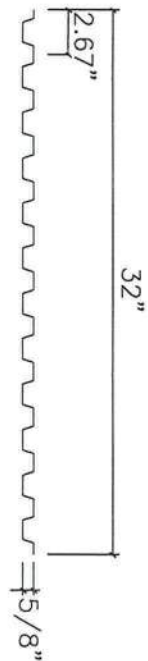
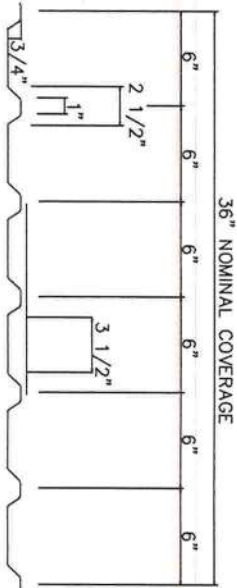
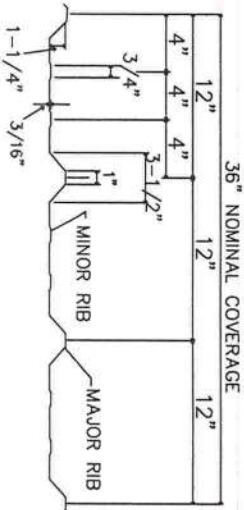
BUILDING "B"

REVISIONS					DRAWING STATUS			GENERAL STEEL			MINI-STORAGE & RECORD STORAGE		
REV.	DESCRIPTION:	DATE	DLR	CHKR	APPD	FOR CONSTRUCTION			PROJECT	15128-2	DESIGN:	DATE: 9/8/05	SHEET
						X FOR PERMIT ONLY					DRAFT: IS		CHECK: WP
						OTHER, EXPLAIN			PROJECT	LAKE CITY, FL			S3 OF 4

APPLICATION OF SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.

SEAL

10/6/05

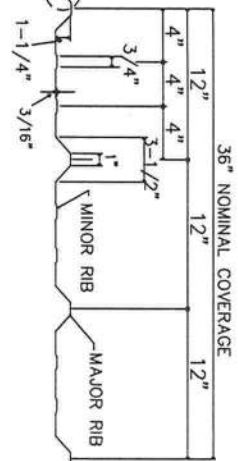
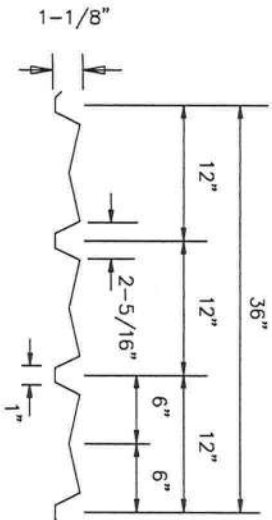


"R" WALL PANEL

"U" PARTITION PANEL

"D" CORRIDOR & CEILING PANEL

NOTE: REFER TO M.B.C.I. ULTRA-DEK TECHNICAL MANUAL FOR FASTENING INSTRUCTIONS. IMPROPER INSTALLATION VOIDS WARRANTY.

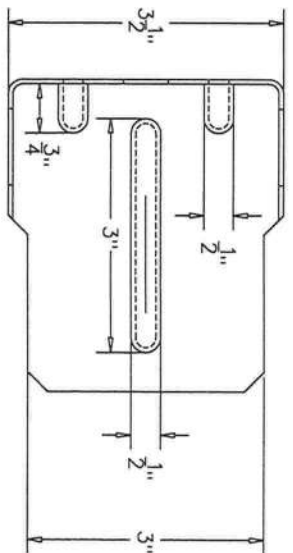


"A" WALL PANEL

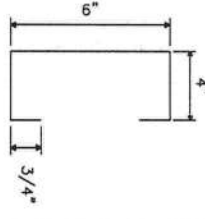
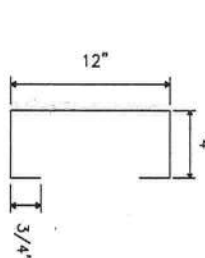
"PBR" ROOF PANEL

EAVE STRUT @ LOW SIDE

EAVE STRUT @ HIGH SIDE

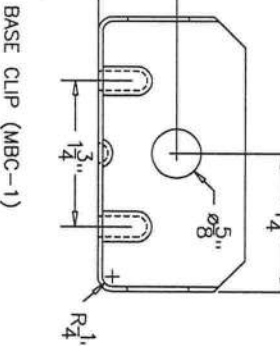
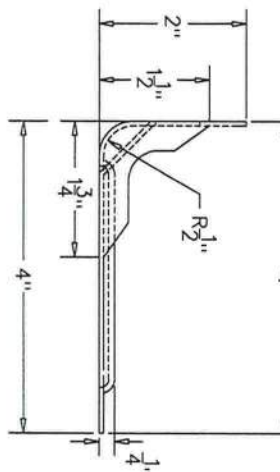
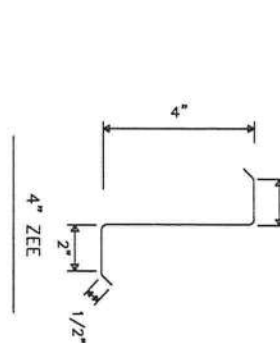
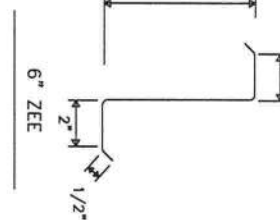
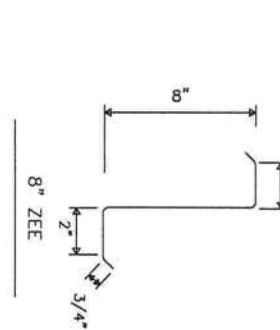
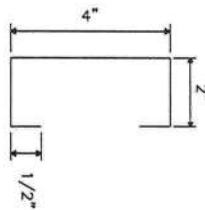


L 4x2x14 GA.



12" JAMB COLUMN

6" JAMB CORNER COLUMN



BASE CLIP (MBC-1)

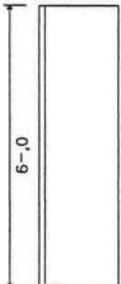
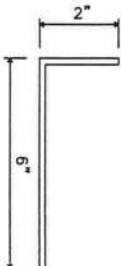
L 6x2x14 GA.

L 4x2x14 GA.

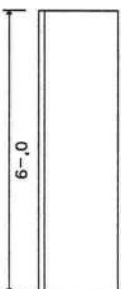
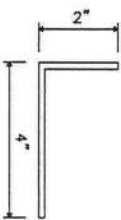
L 2x2x16 GA.

L 2x2x16 GA.

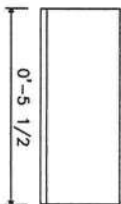
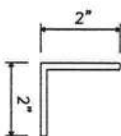
L 3x3x16 GA.



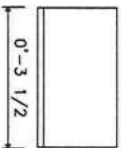
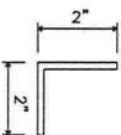
ROLL-UP DOOR BRACKET (RDBX)



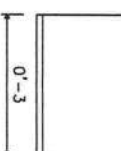
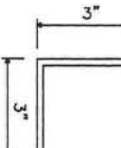
ROLL-UP DOOR BRACKET (RDB)



MINI CLIP (MC1X)



MINI CLIP (MC1)



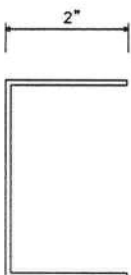
PURLIN CLIP

6 1/8x2x16 GA.



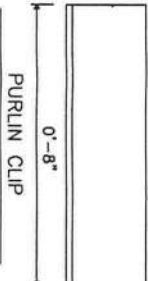
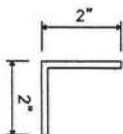
MULLION BASE CHANNEL

4 1/8x2x16 GA.



MULLION & BASE CHANNEL

L 2x2x14 GA.



PURLIN CLIP

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BUILDING "B"

REVISIONS						DRAWING STATUS				GENERAL STEEL		MINI- STORAGE & RECORD STORAGE								
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD	{ }	{ }	{ }	{ }	PROJECT	ID	DESIGN:	DRAFT:	IS	CHECK:	WP	DATE:	SHEET	S4 OF 4
							{ }	{ }	{ }	{ }	PROJECT	15128-2						9/8/05		
							{ }	{ }	{ }	{ }	LAKE CITY, FL									
							{ }	{ }	{ }	{ }	ADDRESS									
							{ }	{ }	{ }	{ }										