

THIS BUILDING IS DESIGNED WITH IMPORTANCE FACTORS REQUIRED FOR MINOR STORAGE FACILITIES. MINOR STORAGE FACILITIES ARE THOSE WHICH REPRESENT A LOW HAZARD TO HUMAN LIFE IN THE EVENT OF FAILURE. THIS PROJECT IS STATED TO BE A MINOR STORAGE MINI-WAREHOUSE FACILITY AND CERTAIN STORAGE FACILITIES ARE ACCEPTABLE UNDER THE LOW HAZARD DEFINITION. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO VERIFY THIS IS ACCEPTABLE TO LOCAL CODE AUTHORITIES HAVING JURISDICTION. MANUFACTURER BEARS NO RESPONSIBILITY FOR USE OF REDUCED LOAD IMPORTANCE FACTORS.

BUILDING CODE:	FBC	17
FRAME SELF WEIGHT:	INCLUDED	
ROOF DEAD LOAD:	2.000	psf
COLLATERAL LOAD:	0	psf
ROOF LIVE LOAD:	20.00	psf
<u>WIND</u>		
WIND SPEED: (3-sec Gusts):	110	mph (Vult)
WIND EXPOSURE:	B	
CLOSURE "C, O, P" :	Closed	
INTERNAL PRESSURE COEFF. : @U300/@U301		
RISK CATEGORY:	I-LEW +/-	0.18

SEISMIC	
SEISMIC IMPORTANCE FACTOR: $I_e = 1.00$	
MAPPED SPECTRAL RESPONSE ACC., $SS: 0.098$	
MAPPED SPECTRAL RESPONSE ACC., $S1: 0.055$	
SPECTRAL RESPONSE COEFF: $SDS = 0.1045$	
(2 SEC PERIOD)	
SPECTRAL RESPONSE COEFF: $SD1 = 0.088$	
(1.0 SEC PERIOD)	
SEISMIC DESIGN CAT.: B	
SEISMIC COEFFICIENT $C_s: 0.039$	
SITE CLASS (ASSUMED): D	
DESIGN BASE SHEAR: $V = 0.75$	
BASIC SEISMIC-FORCE RESISTING SYSTEM	
SHEAR DIAPHRAGM	

CUSTOMER: MINI-STORAGE & RECORD STORAGE OF LAKE CITY

STREET ADDRESS: 2529 SW STATE ROAD 47

CITY, STATE, ZIP LAKE CITY, FL 32025

PROJECT NAME: MINI-STORAGE & RECORD STORAGE

APPROVED (Subject to Revisions)
Life Safety Services
Columbia County Fire Rescue
Florida State Fire Inspector # 130416
By: [Signature] Date: 11-3-2023

THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER, THE METAL BUILDING DESIGNER OR THE METAL BUILDING ENGINEER, THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS DOES NOT HAVE FAMILIARITY WITH THE PHYSICAL JOBSITE LOCATION AND THEREFORE CANNOT BE IDENTIFIED AS, SERVE AS OR QUALIFY AS THE PROJECT DESIGNER.

DATE _____

10/15/20

SHEET NO.

65

DRN. BY	CK'D BY
JMP	RM

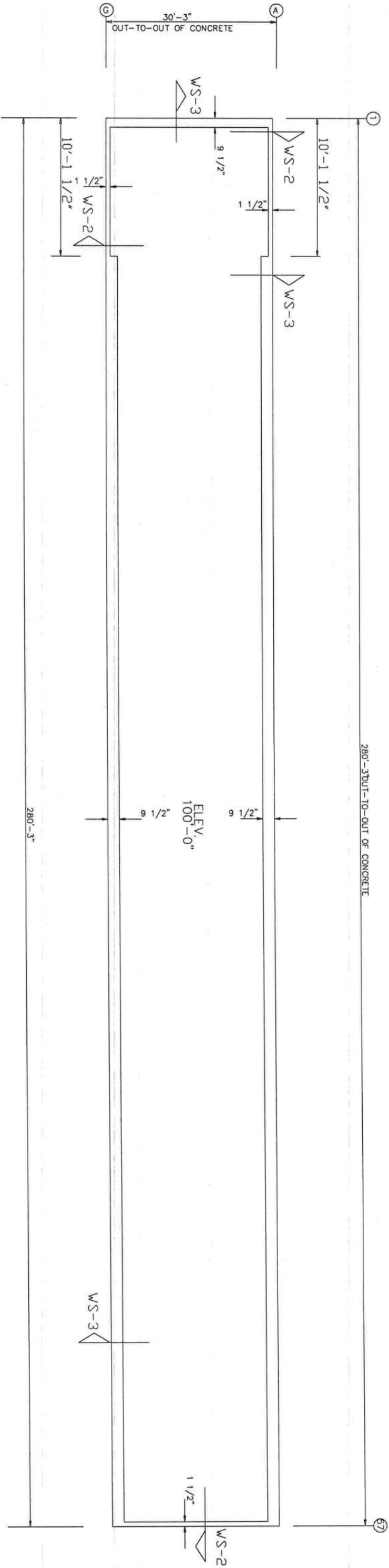
BUILDING DESCRIPTION				ACCESSORIES				PANELS, TRIM & ACCESSORIES				FASTENERS				DRAWING INDEX											
WIDTH		30		DESCRIPTION		QTY		SIZE		DESCRIPTION		SIZE / TYPE		COLOR		APPLICATION		TYPE		LONG LIFE		COLOR		SHEET NO.		DESCRIPTION	
LENGTH		280		FACTORY F/D-LEW		(6)		3 W X 7 H		ROOF PANELS		26 PR		Galvalume		ANCHOR BOLT		1/2" x 3 3/4" KWIK BOLTS		-		N/A		CS		COVER SHEET	
EAVE HEIGHT/FRONT		10		FACTORY F/D-FSW		(22)		3 W X 7 H		WALL PANELS		26 PR		Light Stone		ROOF MEMBER		#12 x 1 1/4" L.L.S.D. w/ WASHER		Y		Galvalume		F1		REACTIONS & CONC. NOTCH PLAN	
EAVE HEIGHT/BACK		10		FACTORY F/D-FSW		(16)		8 W X 7 H		PARTITION PANELS		29 PR		Galvalume		ROOF STITCH		#14 x 7/8" L.L.S.D. w/ WASHER		Y		Galvalume		E1		FLOOR PLAN	
ROOF SLOPE/FRONT		0.5:12		FACTORY F/D-BSW		(16)		8 W X 7 H		MULLION PANELS		26 PR		Light Stone		WALL MEMBER		#12 x 1 1/4" S.D. w/ WASHER		N		Light Stone		E2		ROOF PLAN	
ROOF SLOPE/BACK		0.5:12				(22)		3 W X 7 H		RAKE TRIM		26 GA.		Burnished Slate		WALL STITCH		#14 x 7/8" S.D. w/ WASHER		N		Light Stone		E3-E4		FRONT SIDEWALL ELEV.	
				ROLL - UP DOORS		50		3 W X 7 H		SIMPLE EAVE TRIM						TRIM MEMBER		#12 x 1 1/4" S.D. w/ WASHER		N		Burnished Slate		E5-E6		BACK SIDEWALL ELEV.	
BAY / UNIT SIZES:				ROLL - UP DOORS		32		8 W X 7 H		GUTTER		26 GA.		Burnished Slate		TRIM STITCH		#14 x 7/8" S.D. w/ WASHER		N		Burnished Slate		E7		LEFT ENDWALL ELEV.	
LEV		(6) 5 W x 10 D		WALK DOORS		--				DOWNSPOUTS		26 GA.		Burnished Slate										E8		RIGHT ENDWALL ELEV.	
FSW		(22) 5 W x 15 D		WALK DOORS						CORNER TRIM		26 GA.		Burnished Slate		FRAMING		#12 x 1 1/4" S.D. w/o WASHER		N		PLAIN		E9-E10		PART. FRAMING	
		(10) 10 W x 15 D		WINDOWS		--				FRAMED OPENINGS		26 GA.		Light Stone		PARTITION		#12 x 1 1/4" S.D. w/o WASHER		N		PLAIN				ROOF INSULATION	
BSW		(16) 10 W x 15 D		OTHER		--				ROLL-UP DOORS		BY VSS/M750		Bronze		PARTITION		#12 x 1 1/4" S.D. w/o WASHER		N		PLAIN					
		(22) 5 W X 15 D								WALK DOORS		--		--		PARTITION STITCH		#14 x 7/8" S.D. w/o WASHER		N		PLAIN					
										WINDOWS		--		--													

ENGINEER'S STAMP



10/21/20

WALL COLUMN:										MAXIMUM REACTIONS			
Frm Line		Col Line		Lood Id		Hmax H		V Vmax		Reactions (k)		Vmin	
										Id			
1	A	5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	6	-0.2	-0.1	-0.1
1	G	5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	6	-0.3	-0.1	-0.1
57	G	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6	0.0	-0.1	-0.1
57	A	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6	0.0	-0.1	-0.1
1	B-F	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0.0	-0.1	-0.1
3-55	G	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7	0.0	-0.2	-0.3
57	B-F	8	0.3	-0.1	0.6	0.6	0.6	0.6	0.6	6	-0.2	-0.2	-0.3
3-55	A	1	0.0	0.6	0.6	0.6	0.6	0.6	0.6	2	0.0	-0.3	-0.3
2-56	B-F	5	0.2	-0.4	1.1	1.1	1.1	1.1	1.1	6	-0.2	-0.4	-0.6



ANCHOR PLAN

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)

Length (ft)

Eave Height (ft)

Roof Slope (rise/12)

Dead Load (psf)

Collateral Load (psf)

Live Load (psf)

Wind Speed (mph)

= 30.0

= 280.0

= 10.0 / 10.0

= 0.5 / 0.5

= 2.0

= 0.0

= 20.0

= 110.0

Wind Code

Exposure

Closed/Open

Importance Wind

Importance Seismic

Seismic Zone

Seismic Coeff (Fa/Ss)

= B

= B

= C

= 1.00

= 1.00

= B

= 0.16

5. Loading conditions are:

1 DL+CL+LL

2 0.60DL+0.60WL1+0.60WS

3 0.60DL+0.60WP+0.60LrWnd1

4 0.60DL+0.60WR1+0.60WS

5 0.60DL+0.60WR2+0.60WS

6 DL+CL+0.60WP+0.60LrWnd1

7 DL+CL+0.60WL1+0.60WS

8 DL+CL+0.60WR2+0.60WS

9 DL+CL+0.60WL2+0.60WS

SECTION WS-2

SECTION WS-3

STEEL LINE

FIN. FLOOR

CONCRETE

FOUNDATION

STEEL LINE

FIN. FLOOR

CONCRETE

FOUNDATION

REVISIONS

REV. DESCRIPTION DATE DTLR DATE CKR APPD

DRAWING STATUS

☒ FINAL ERECTION

☐ FOR CONSTRUCTION

☐ FOR APPROVAL

☐ OTHER, EXPLAIN

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

SEAL

WALTER E. WOOD

FLORIDA ENGINEER

12/21/20

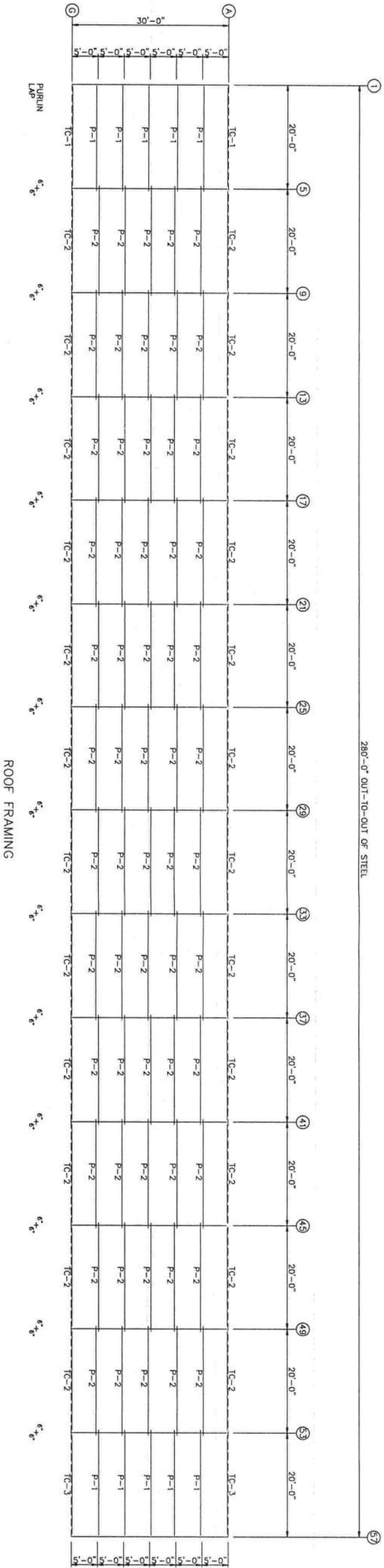
VULCAN STEEL STRUCTURES, INC

PROJECT MINI-STORAGE & RECORD STORAGE

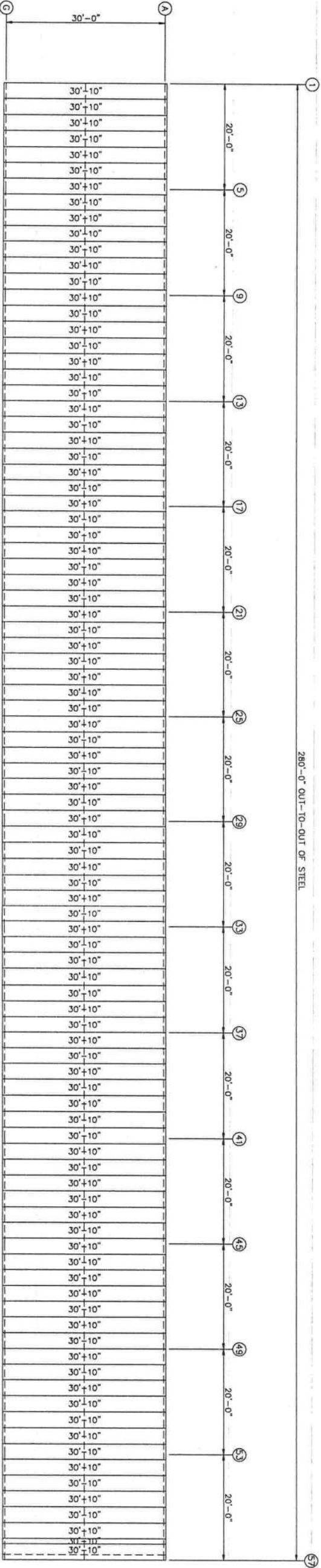
DESIGN JMP DRAFT JMP CHECK RM

DATE: 10/15/20 SHEET F1

MEMBER TABLE				
QUAN	MARK	PART	LENGTH	
2	TC-1	4X25CH16	19'-10	3/8"
24	TC-2	4X28CH16	19'-11	3/4"
2	TC-3	4X28CH16	20'-0	7/8"
10	P-1	4X20Z16	20'-5	3/4"
60	P-2	4X20Z16	21'-0	



ROOF FRAMING



ROOF SHEETING & TRIM
PANELS: 28 Ga. PR - Galvalume



REVISIONS				
REV.	DESCRIPTION	DATE	DTLR	DATE

DRAWING STATUS				
☐ FINAL ERECTION	☐ FOR CONSTRUCTION	☐ FOR APPROVAL	☐ OTHER, EXPLAIN	
PROJECT	MINI-STORAGE & RECORD STORAGE	DATE	10/15/20	
ID	26839	DRAFT	JMP	CHECK: VB
PROJECT ADDRESS	LAKE CITY, FL 32025	SHEET		E2

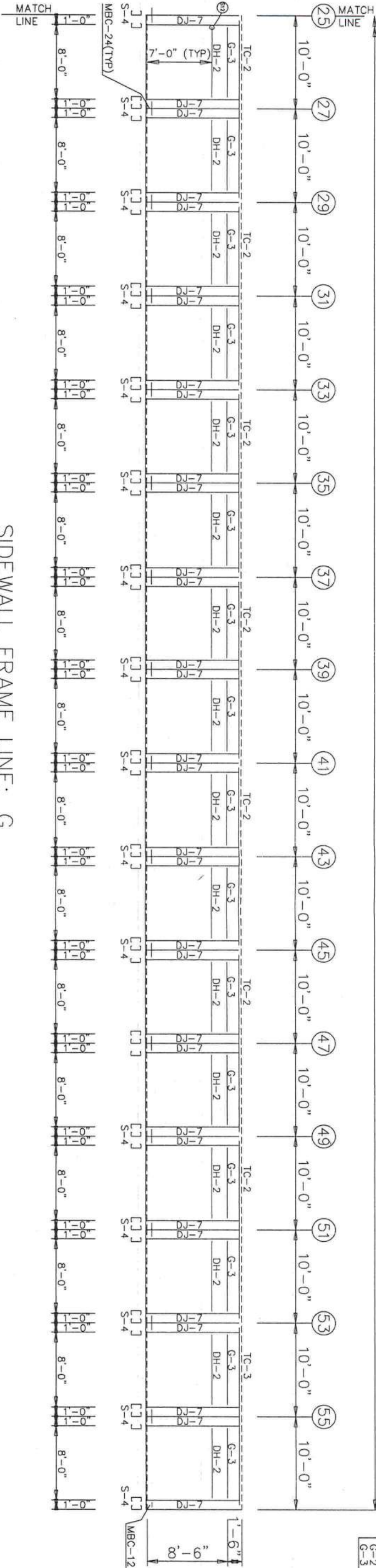
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SEAL

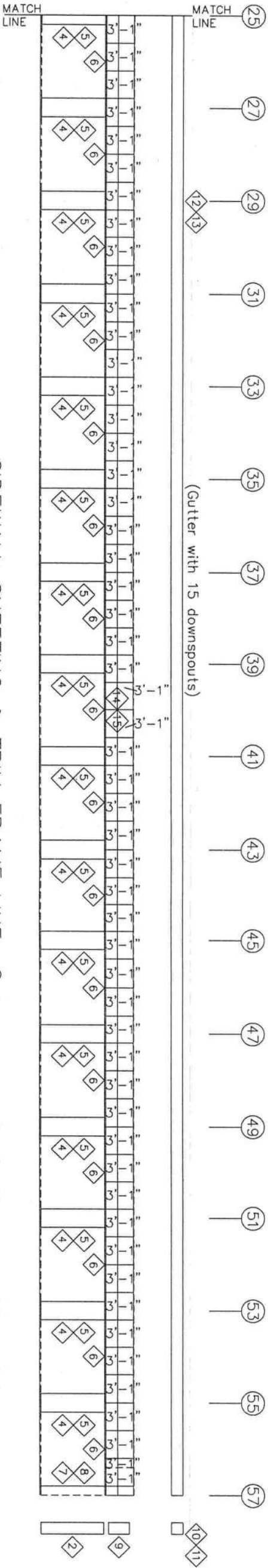
10/21/20

MEMBER TABLE		
MARK	PART	LENGTH
S-4	4X20C16	10'-1 1/4"
DJ-7	4X20C16	19'-10 3/8"
TC-1	4X25CH16	19'-10 3/4"
TC-2	4X25CH16	20'-0 7/8"
TC-3	4X25CH16	2'-11 1/2"
DH-1	4X20C16	3'-0"
DH-2	4X20C16	9'-7 1/2"
G-1	4X20C16	8'-0"
G-2	4X20C16	
G-3	4X20C16	

280'-0" OUT-TO-OUT OF STEEL



SIDEWALL FRAME LINE: G



SIDEWALL SHEETING & TRIM FRAME LINE: G
PANELS: 26 Ga. PR - Light Stone

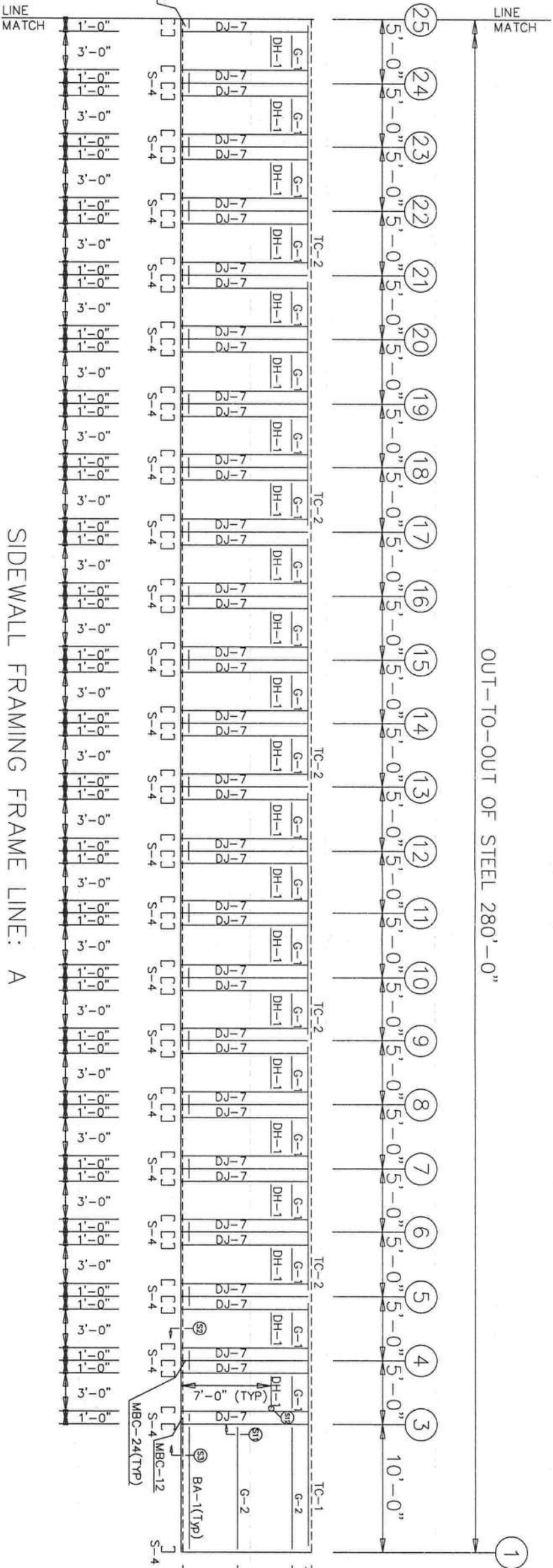
TRIM TABLE		
OLD MARK	LENGTH	DETAIL
1 JCT 4	7'-0"	TRIM_33
2 JTR	7'-0"	TRIM_31
3 JCT 4	3'-0"	TRIM_33
4 WMC	2'-0"	TRIM_31
5 WMC	2'-0"	TRIM_33
6 JCT 4	1'-0"	TRIM_31
7 WMC	1'-0"	TRIM_31
8 WCP12	7'-0"	TRIM_29
9 CTR	3'-3"	TRIM_52
10 RVCB	6'-0"	TRIM_50
11 RVGE	3'-0"	TRIM_33
12 RVGE	20'-3"	TRIM_33
13 RVGE	20'-3"	TRIM_33
14 HT	20'-3"	TRIM_33
15 HT	20'-3"	TRIM_33



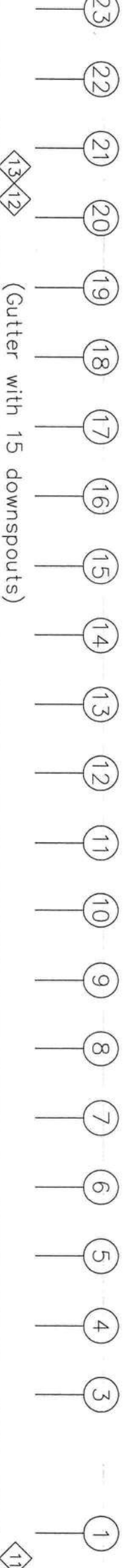
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								ID	26839						
								PROJECT	LAKE CITY, FL 32025						
								ADDRESS			DATE: 10/15/20		SHEET ES		

ORIGINAL SIGNATURE REQUIRED

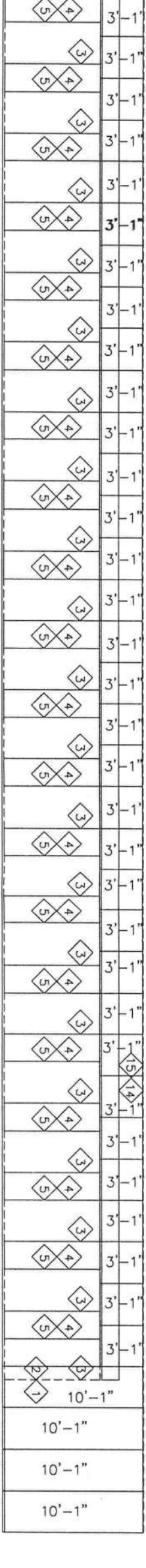
MEMBER TABLE		
MARK	PART	LENGTH
S-4	4X20C16	10'-1 1/4"
DJ-7	4X20C16	10'-1 1/4"
TC-1	4X25CH16	19'-10 3/8"
TC-2	4X25CH16	19'-11 3/4"
TC-3	4X25CH16	20'-0 7/8"
DH-1	4X20C16	2'-11 1/2"
DH-2	4X20C16	3'-0" 1/2"
G-1	4X20C16	9'-7 1/2"
G-2	4X20C16	8'-0"



SIDEWALL FRAMING FRAME LINE: A



(Gutter with 15 downspouts)



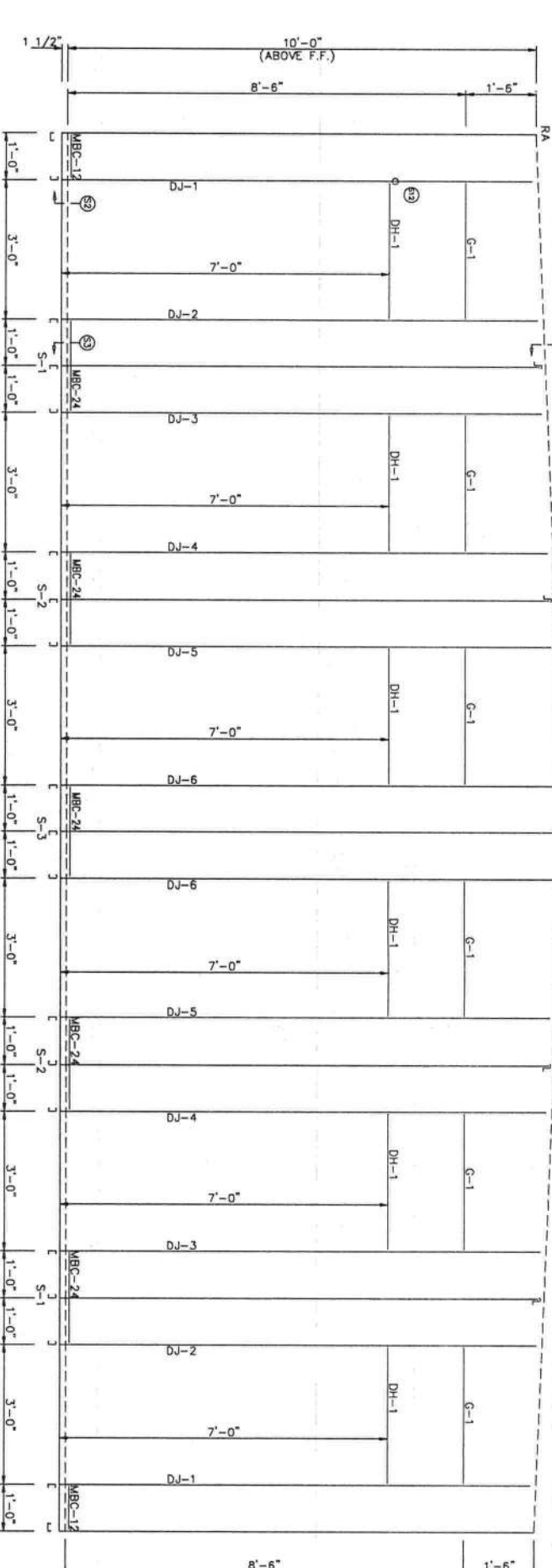
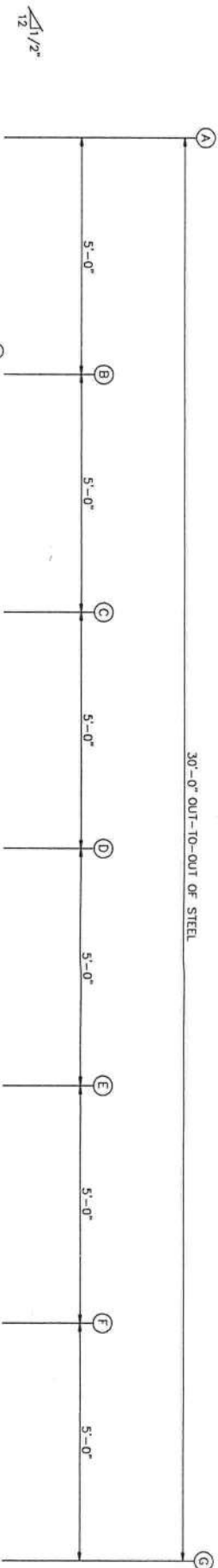
SIDEWALL SHEETING & TRIM FRAME LINE: A

PANELS: 26 Ga. PR - Light Stone

REVISIONS					DRAWING STATUS					VULCAN STEEL STRUCTURES, INC.					ORIGINAL SIGNATURE REQUIRED				
REV.	DESCRIPTION:	DATE	DLR	DATE	CHKR	APPD	[] FINAL ERECTION	[X] FOR CONSTRUCTION	[] FOR APPROVAL	[] OTHER, EXPLAIN	PROJECT ID	MINI-STORAGE & RECORD STORAGE	MINI-STORAGE & RECORD STORAGE	MINI-STORAGE & RECORD STORAGE	DATE: 10/15/20	DESIGN: VB	DRAFT: JMP	CHECK: VB	SHEET E6

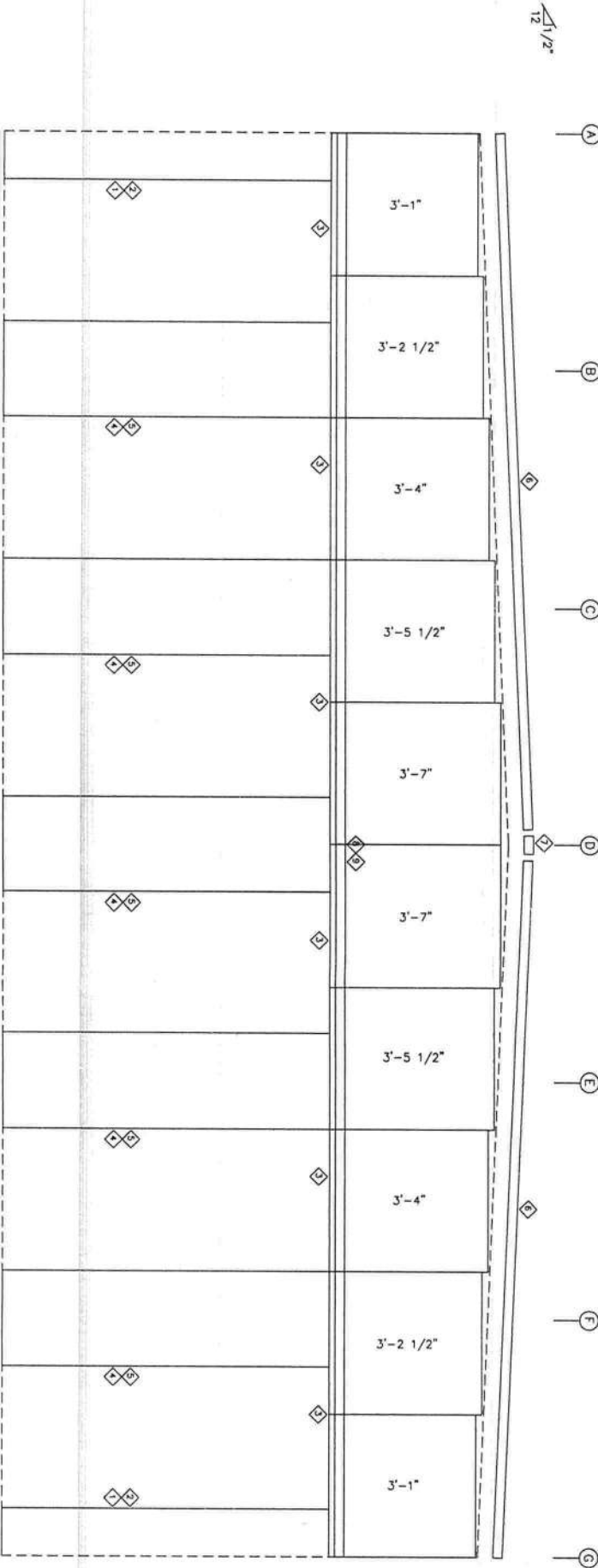


MEMBER TABLE		
MARK	PART	LENGTH
S-1	4X20C16	10'-3 1/4"
S-2	4X20C16	10'-5 3/4"
S-3	4X20C16	10'-8 1/4"
DJ-1	4X20C16	10'-1 1/8"
DJ-2	4X20C16	10'-2 5/8"
DJ-3	4X20C16	10'-3 5/8"
DJ-4	4X20C16	10'-5 1/8"
DJ-5	4X20C16	10'-6 1/8"
DJ-6	4X20C16	10'-7 5/8"
DH-1	4X20C16	2'-1 1/2"
G-1	4X20C16	3'-0"



ENDWALL FRAMING FRAME LINE: 1

TRIM TABLE		
OLD MARK	LENGTH	DETAIL
1 WMC	1'-0"	TRIM - 31
2 WCP12	7'-0"	TRIM - 33
3 JCT4	3'-0"	TRIM - 31
4 WMC	2'-0"	TRIM - 31
5 WMP24	7'-0"	TRIM - 11
6 RVRT	15'-3 1/2"	TRIM - 39
7 RVPB	1'-4"	TRIM - 33
8 HT	10'-6"	TRIM - 33
9 HT	20'-3"	TRIM - 33



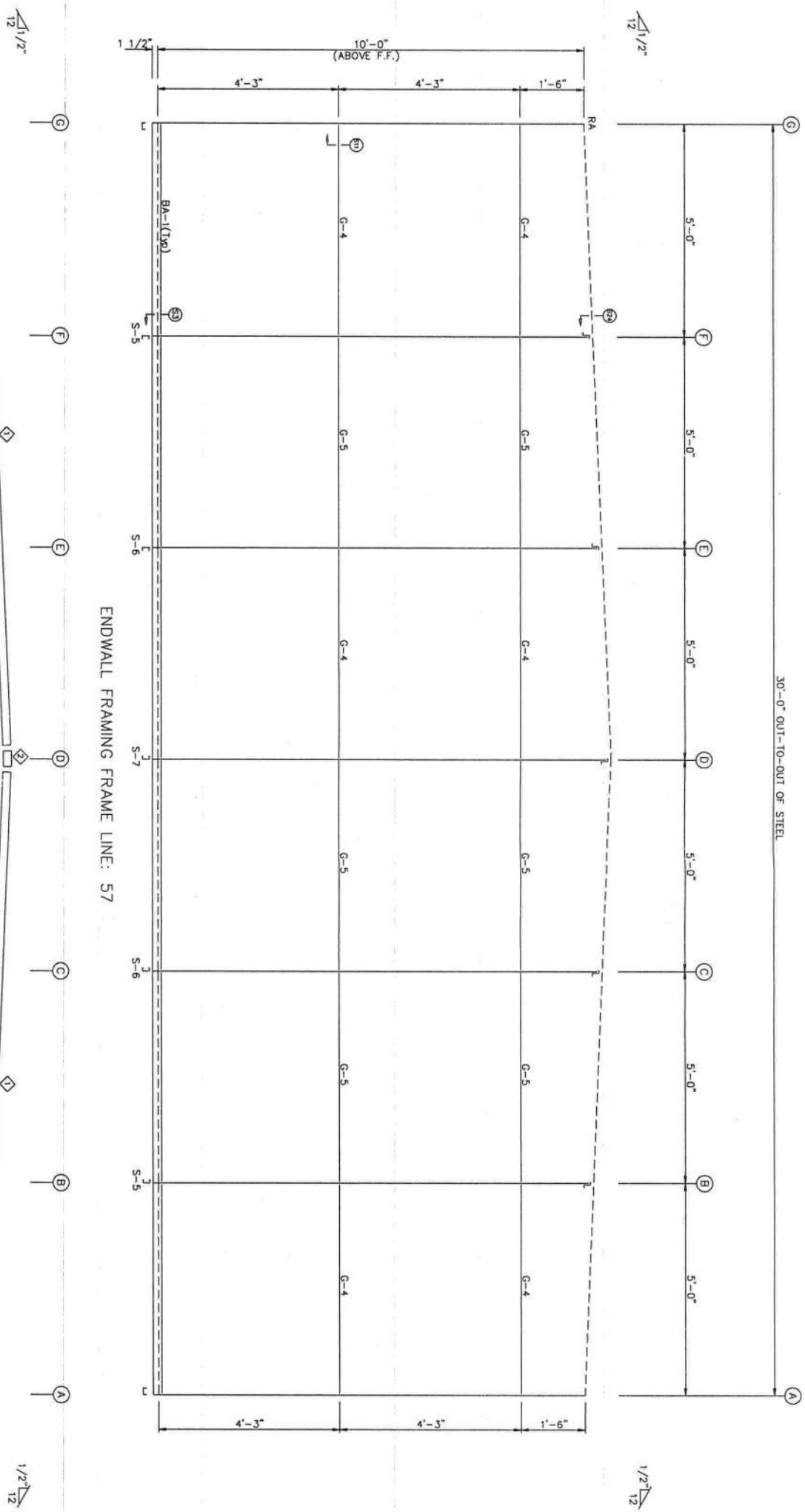
ENDWALL SHEETING & TRIM FRAME LINE: 1

REVISIONS					DRAWING STATUS				
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							[] OTHER, EXPLAIN		

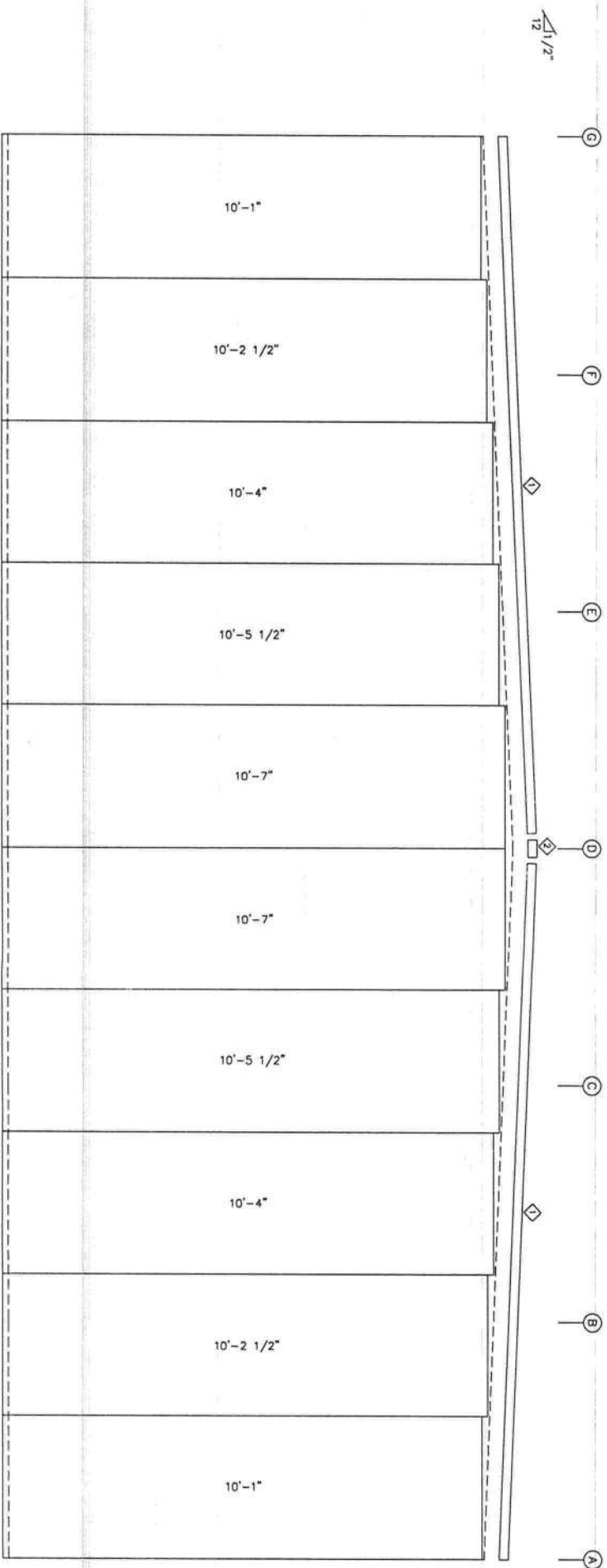
PROJECT	MINI-STORAGE & RECORD STORAGE	DESIGN: VB	DRAFT: JWP	CHECK: VB
PROJECT	LAKE CITY, FL 32025	DATE: 10/15/20	SHEET	E8

ORIGINAL SIGNATURE REQUIRED

MEMBER TABLE		
MARK	PART	LENGTH
S-5	4X20C16	10'-2"
S-6	4X20C16	10'-4 1/2"
S-7	4X20C16	10'-7"
G-4	4X20C16	4'-7 1/2"
G-5	4X20C16	4'-9 1/2"



TRIM TABLE			
OID	MARK	LENGTH	DETAIL
1	RVRT	15'-3 1/2"	TRIM_11
2	RVPB	1'-4"	TRIM_39



REVISIONS				DRAWING STATUS			
REV.	DESCRIPTION:	DATE	DLR	DATE	CHKR	APPD	
							☐ FINAL ERECTION ☒ FOR CONSTRUCTION ☐ FOR APPROVAL ☐ OTHER, EXPLAIN
				VULCAN STEEL STRUCTURES, INC			
				PROJECT MINI-STORAGE & RECORD STORAGE			
				ID 26839			
				PROJECT ADDRESS LAKE CITY, FL 32025			
				ENDWALL DRAWING			
				DESIGN: VB		DRAFT: JMP	
				DATE: 10/15/20		SHEET E9	
						CHECK: VB	

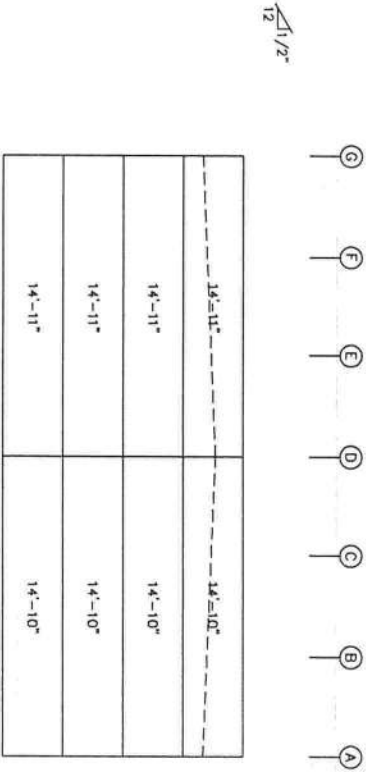
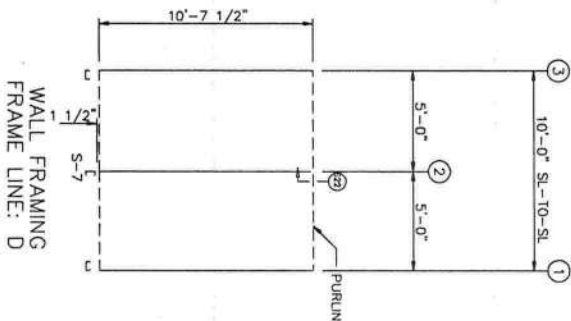
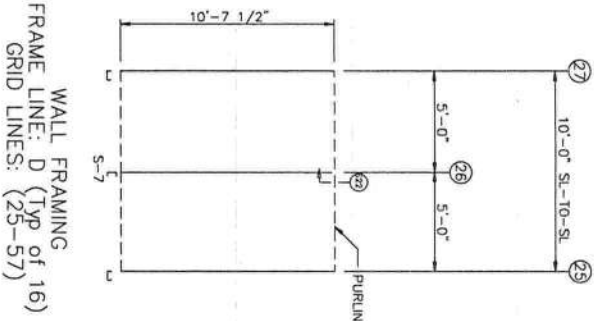
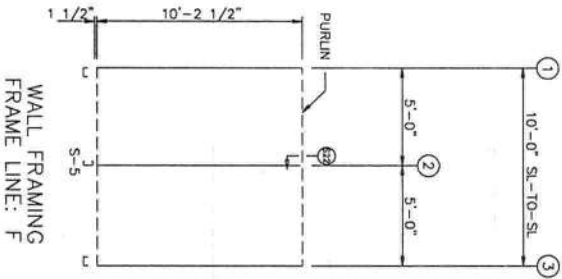
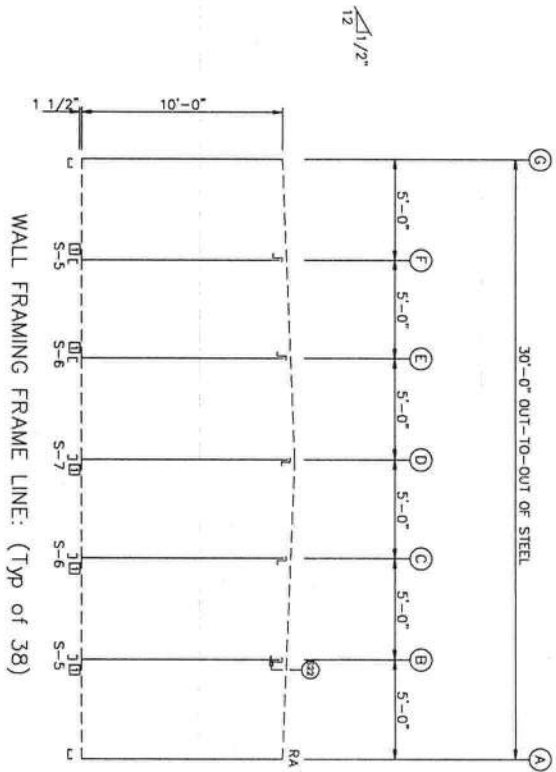
SEAL

WALTER E. WOOD
LICENSE
No. 61323
STATE OF FLORIDA
PROFESSIONAL ENGINEER

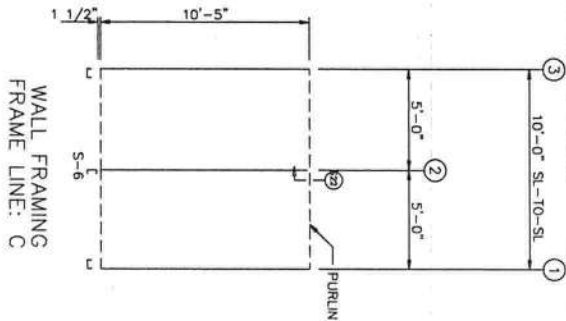
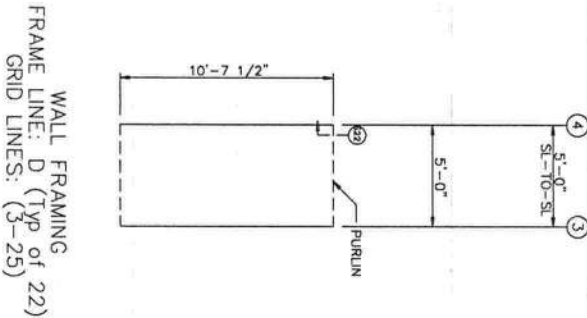
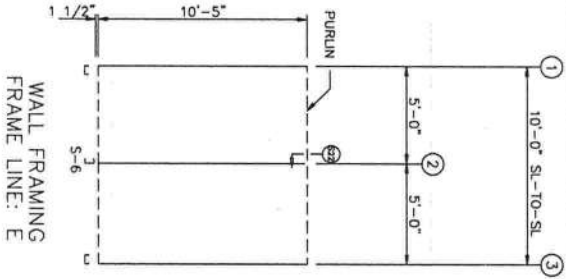
Wesley

12/21/20

MEMBER TABLE			
MARK	PART	LENGTH	
S-5	4X20C16	10'-2"	
S-6	4X20C16	10'-4 1/2"	
S-7	4X20C16	10'-7"	



WALL SHEETING & TRIM FRAME LINE: (Typ of 38)
PANELS: 29 Gd. PR - Galvalume

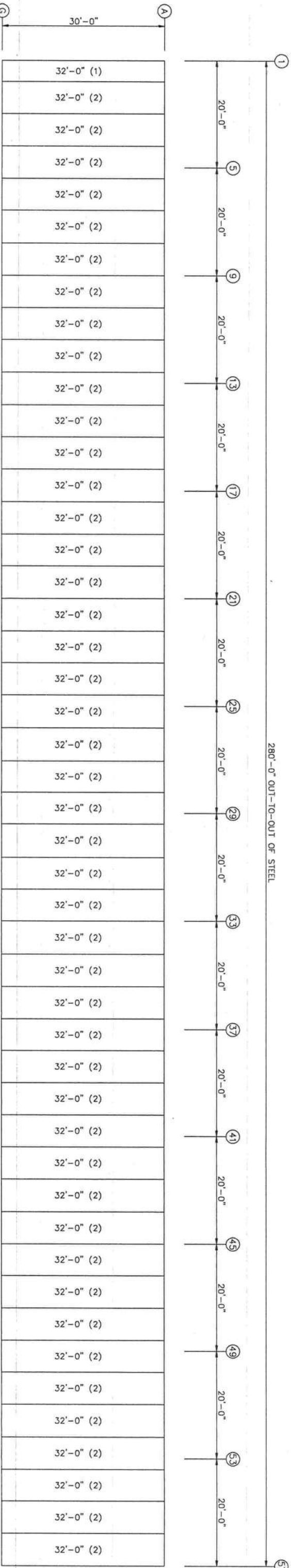


REVISIONS						DRAWING STATUS		VULCAN STEEL STRUCTURES, INC				MINI-STORAGE & RECORD STORAGE			
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD	☐ FINAL ERECTION ☒ FOR CONSTRUCTION ☐ FOR APPROVAL ☐ OTHER, EXPLAIN	PROJECT	MINI-STORAGE & RECORD STORAGE			PARTITION DRAWING			
								ID	26839	DESIGN: VB	DRAFT: JMP	CHECK: VB			
								PROJECT ADDRESS	LAKE CITY, FL 32025	DATE: 10/15/20		SHEET	E10		

ORIGINAL SIGNATURE REQUIRED

INSULATION TABLE				
ROOF				
ROLL	QUAN	MARK	WIDTH	LENGTH
1	1	RI-1	4'-0"	32'-0"
2	46	RI-2	6'-0"	32'-0"

LEGEND:
(Roll #) Length
(1) 73'-9"



ROOF INSULATION
INSULATION: 3.00" Thick PSK

WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ADEL, GA 31620



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

REVISIONS					
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR

DRAWING STATUS					
☒	FINAL ERECTION				
☐	FDR CONSTRUCTION				
☐	FDR APPROVAL				
☐	OTHER, EXPLAIN				

VULCAN STEEL STRUCTURES, INC		MINI-STORAGE & RECORD STORAGE OF LAKE CITY	
PROJECT		PROJECT	
ID	26839	ID	
PROJECT ADDRESS	LAKE CITY, FLA 32025	PROJECT ADDRESS	

MINI-STORAGE & RECORD STORAGE OF LAKE CITY			
ROOF DRAWING PLAN	DESIGN: VLB	DRAFT: JMP	CHECK: VB
DATE: 04/19/18	SHEET	E12	