

DESIGN NOTE:
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 FACILITY. 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.

DESIGN LOADS	
BUILDING CODE:	FBC 17
FRAME SELF WEIGHT:	INCLUDED
ROOF DEAD LOAD:	2.000 psf
COLLATERAL LOAD:	0 psf
ROOF LIVE LOAD:	20.00 psf
WIND	
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. $SDI = 0.088$
(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

BUILDING DESCRIPTION		ACCESSORIES	
WIDTH	30	DESCRIPTION	QTY
LENGTH	280	FACTORY F/D-LEV	(6)
EAVE HEIGHT/FRONT	10	FACTORY F/D-FSW	(22)
EAVE HEIGHT/BACK	10	FACTORY F/D-FSW	(16)
ROOF SLOPE/FRONT	0.5:12	FACTORY F/D-BSW	(16)
ROOF SLOPE/BACK	0.5:12		(22)
ROLL - UP DOORS			50
ROLL - UP DOORS			32
WALK DOORS			--
WALK DOORS			--
WINDOWS			--
OTHER			--
WALK DOORS			--
WINDOWS			--

STORAGE SYSTEM
A division of Vulcan Steel Structures, Inc.
500 Vulcan Parkway Adel, Georgia 31620

CUSTOMER: MINI-STORAGE & RECORD STORAGE OF LAKE CITY

JOB NUMBER: 26839 #80 Per

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 Fire Inspector # 138416
By:  Date: 12-3-2020

PANELS, TRIM & ACCESSORIES				FASTENERS			
DESCRIPTION	SIZE / TYPE	COLOR	APPLICATION	TYPE	LONG LIFE	COLOR	
ROOF PANELS	26 PR	Galvalume	ANCHOR BOLT	1/2" x 3 3/4" KWIK BOLTS	-	N/A	
WALL PANELS	26 PR	Light Stone	ROOF MEMBER	#12 x 1 1/4" L.L.S.D. w/ WASHER	Y	Galvalume	
PARTITION PANELS	29 PR	Galvalume	ROOF STITCH	#14 x 7/8" L.L.S.D. w/ WASHER	Y	Galvalume	
MULLION PANELS	26 PR	Light Stone	WALL MEMBER	#12 x 1 1/4" S.D. w/ WASHER	N	Light Stone	
RAKE TRIM	26 GA.	Burnished Slate	WALL STITCH	#14 x 7/8" S.D. w/ WASHER	N	Light Stone	
SIMPLE EAVE TRIM			TRIM MEMBER	#12 x 1 1/4" S.D. w/ WASHER	N	Burnished Slate	
GUTTER	26 GA.	Burnished Slate	TRIM STITCH	#14 x 7/8" S.D. w/ WASHER	N	Burnished Slate	
DOWNSPUTS	26 GA.	Burnished Slate					
CORNER TRIM	26 GA.	Burnished Slate					
FRAMED OPENINGS	26 GA.	Light Stone	FRAMING	#12 x 1 1/4" S.D. w/o WASHER	N	PLAIN	
ROLL-UP DOORS	BY VSS/W/50	Bronze	PARTITION	#12 x 1 1/4" S.D. w/o WASHER	N	PLAIN	
WALK DOORS	--	--	PARTITION STITCH	#14 x 7/8" S.D. w/o WASHER	N	PLAIN	
WINDOWS	--	--					

DRAWING INDEX	
SHEET NO.	DESCRIPTION
CS	COVER SHEET
F1	REACTIONS & CONC. NOTCH PLAN
E1	FLOOR PLAN
E2	ROOF PLAN
E3-E4	FRONT SIDEWALL ELEV.
E5-E6	BACK SIDEWALL ELEV.
E7	LEFT ENDWALL ELEV.
E8	RIGHT ENDWALL ELEV.
E9-E10	PART. FRAMING
E11	ROOF INSULATION

ENGINEER'S STAMP

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 PLAN 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

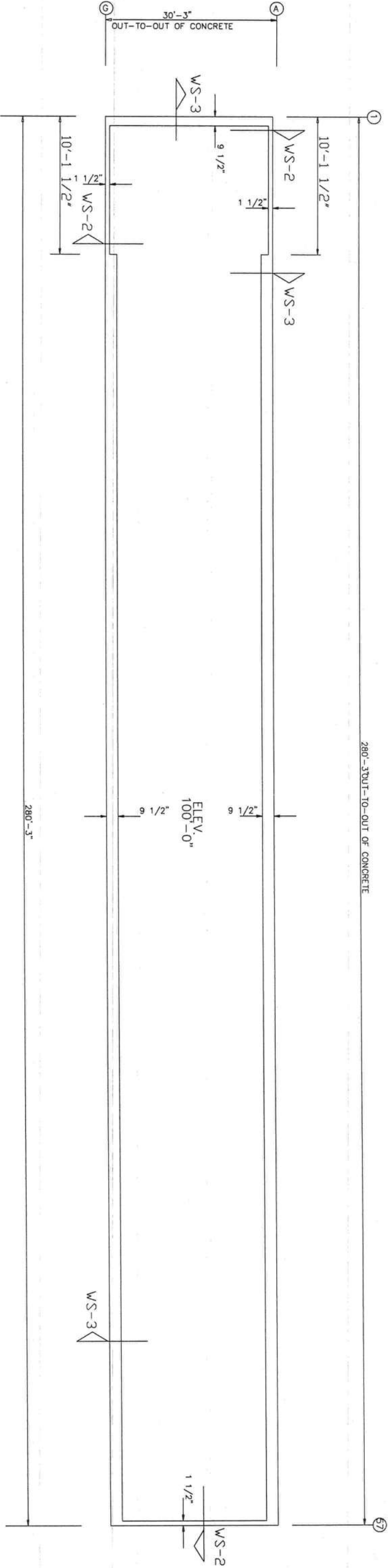
SHEET NO.
CS

DRN. BY CK'D BY
JMP RM



10/21/20

WALL COLUMN:										MAXIMUM REACTIONS									
										Column Reactions (k)									
Frm Line	Col Line	Lood Id	Hmax H	V Vmax	Lood Id	Hmin H	Vmin V												
1	A	5	0.3	0.0	6	-0.2	-0.1												
		1	0.0	0.3	2	0.3	-0.1												
1	G	5	0.3	0.0	6	-0.2	-0.1												
		1	0.0	0.3	7	0.3	-0.1												
57	G	5	0.0	0.0	6	0.0	-0.1												
		1	0.0	0.3	2	0.0	-0.1												
57	A	5	0.0	0.0	6	0.0	-0.1												
		1	0.0	0.3	7	0.0	-0.1												
1	B-F	1	0.0	0.6	2	0.0	-0.3												
3-55	G	1	0.0	0.5	7	0.0	-0.2												
		1	0.0	0.6	2	0.0	-0.3												
57	B-F	8	0.3	-0.1	6	-0.2	-0.2												
		1	0.0	0.6	2	0.3	-0.3												
3-55	A	1	0.0	0.6	2	0.0	-0.3												
		1	0.0	0.6	2	0.0	-0.3												
2-56	B-F	5	0.2	-0.4	6	-0.2	-0.4												
		1	0.0	1.1	2	0.2	-0.6												



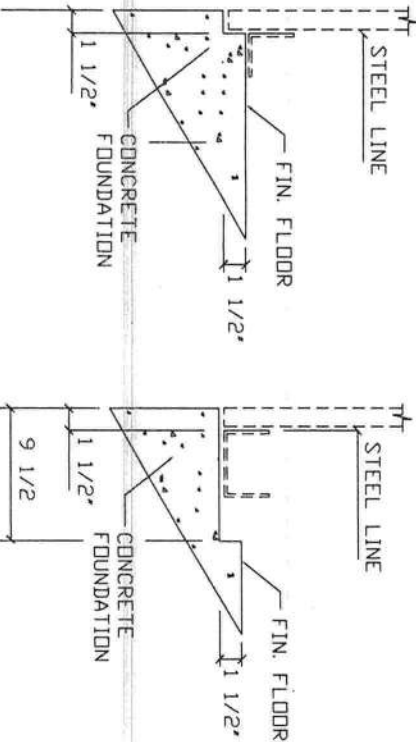
NOTES FOR REACTIONS

- 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:

Width (ft)	= 30.0
Length (ft)	= 280.0
Eave Height (ft)	= 10.0/ 10.0
Roof Slope (rise/12)	= 0.5/ 0.5
Dead Load (psf)	= 2.0
Collateral Load (psf)	= 0.0
Live Load (psf)	= 20.0
Wind Speed (mph)	= 110.0
Wind Code	= IBC 15
Exposure	= B
Closed/Open	= C
Importance Wind	= 1.00
Importance Seismic	= 1.00
Seismic Zone	= B
Seismic Coeff (Fo*Sa)	= 0.16

5. Loading conditions are:

- DL+CL+LL
- 0.60DL+0.60WL+0.60WS
- 0.60DL+0.60WR+0.60WS
- 0.60DL+0.60WR+0.60WS
- 0.60DL+0.60WR+0.60WS
- DL+CL+0.60WL+0.60WS
- DL+CL+0.60WL+0.60WS
- DL+CL+0.60WR+0.60WS
- DL+CL+0.60WL+0.60WS



ANCHOR PLAN

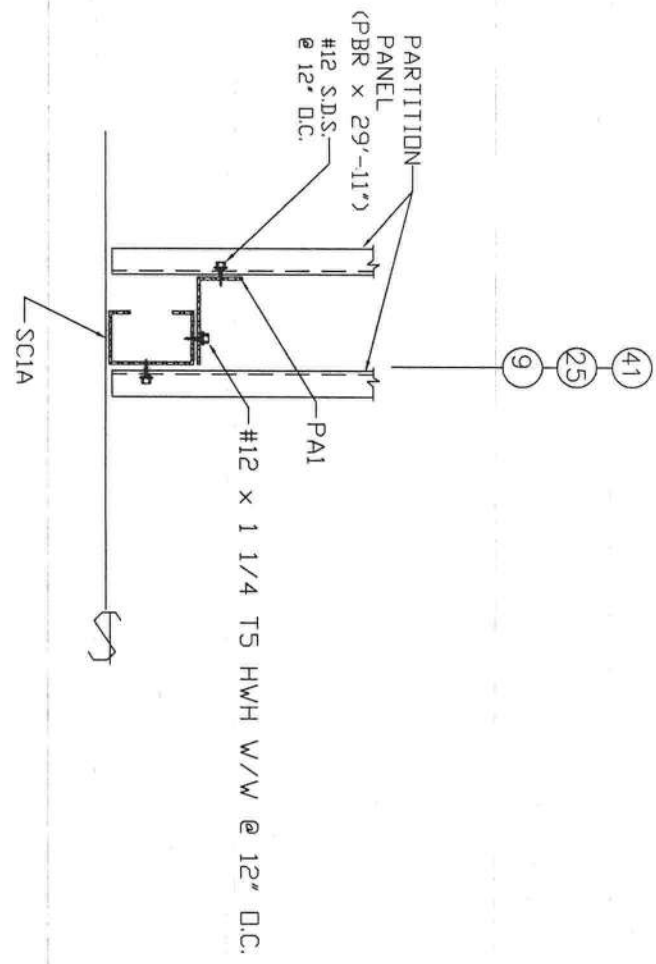
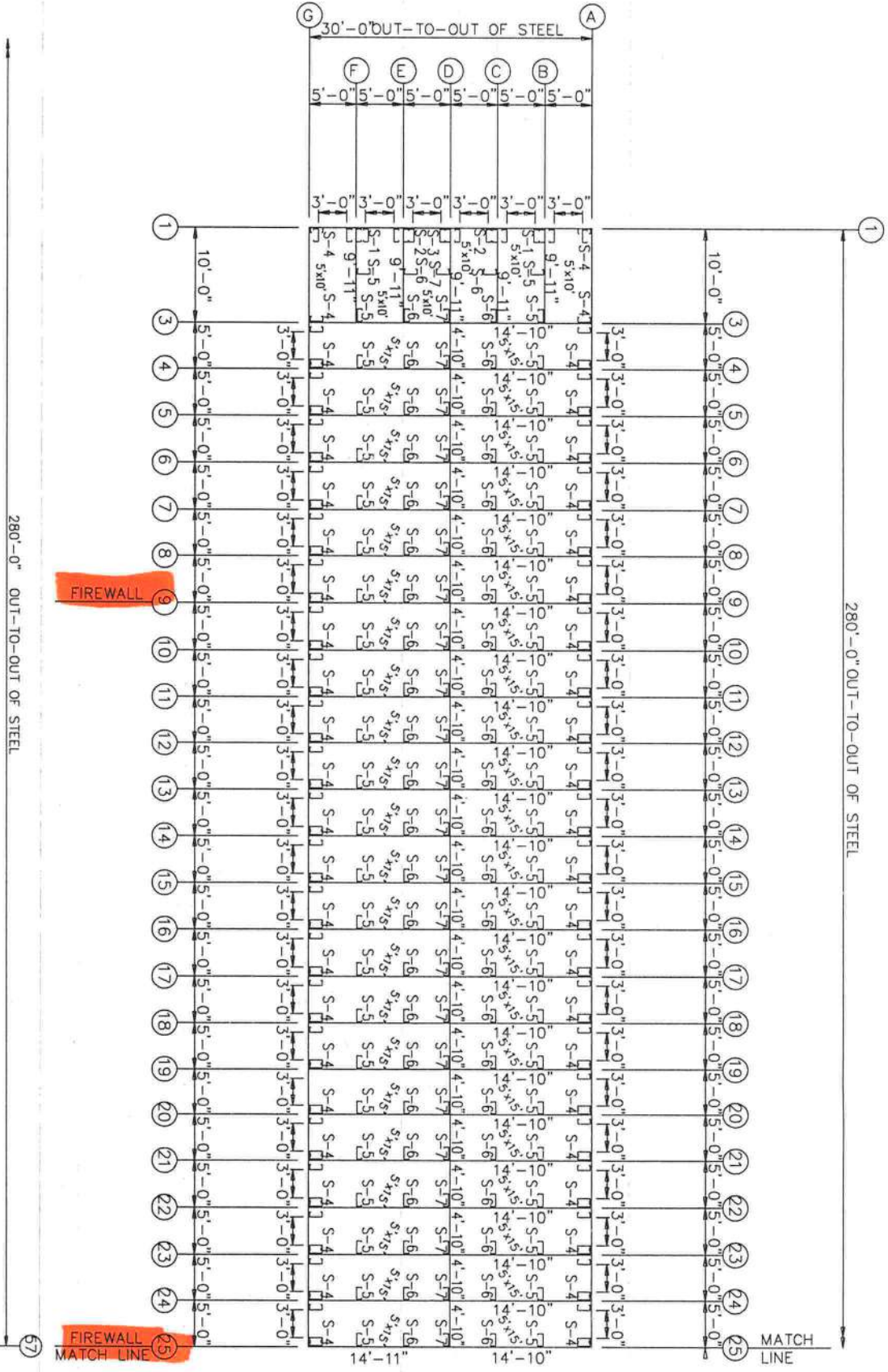
REVISIONS							DRAWING STATUS				VULCAN STEEL STRUCTURES, INC				MINI-STORAGE & RECORD STORAGE			
REV.	DESCRIPTION:	DATE	DLR	DATE	CHKR	APPD	[X] FINAL ERECTION	[] FOR CONSTRUCTION	[] FOR APPROVAL	[] OTHER, EXPLAIN	PROJECT	MINI-STORAGE & RECORD STORAGE			ANCHOR PLAN			
											ID	26839	DESIGN: JMP	DRAFT: JMP	CHECK: RM			
											PROJECT	2529 SW STATE RD 47	DATE: 10/15/20					
											ADDRESS	LAKE CITY, FL 32025			SHEET	F1		

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

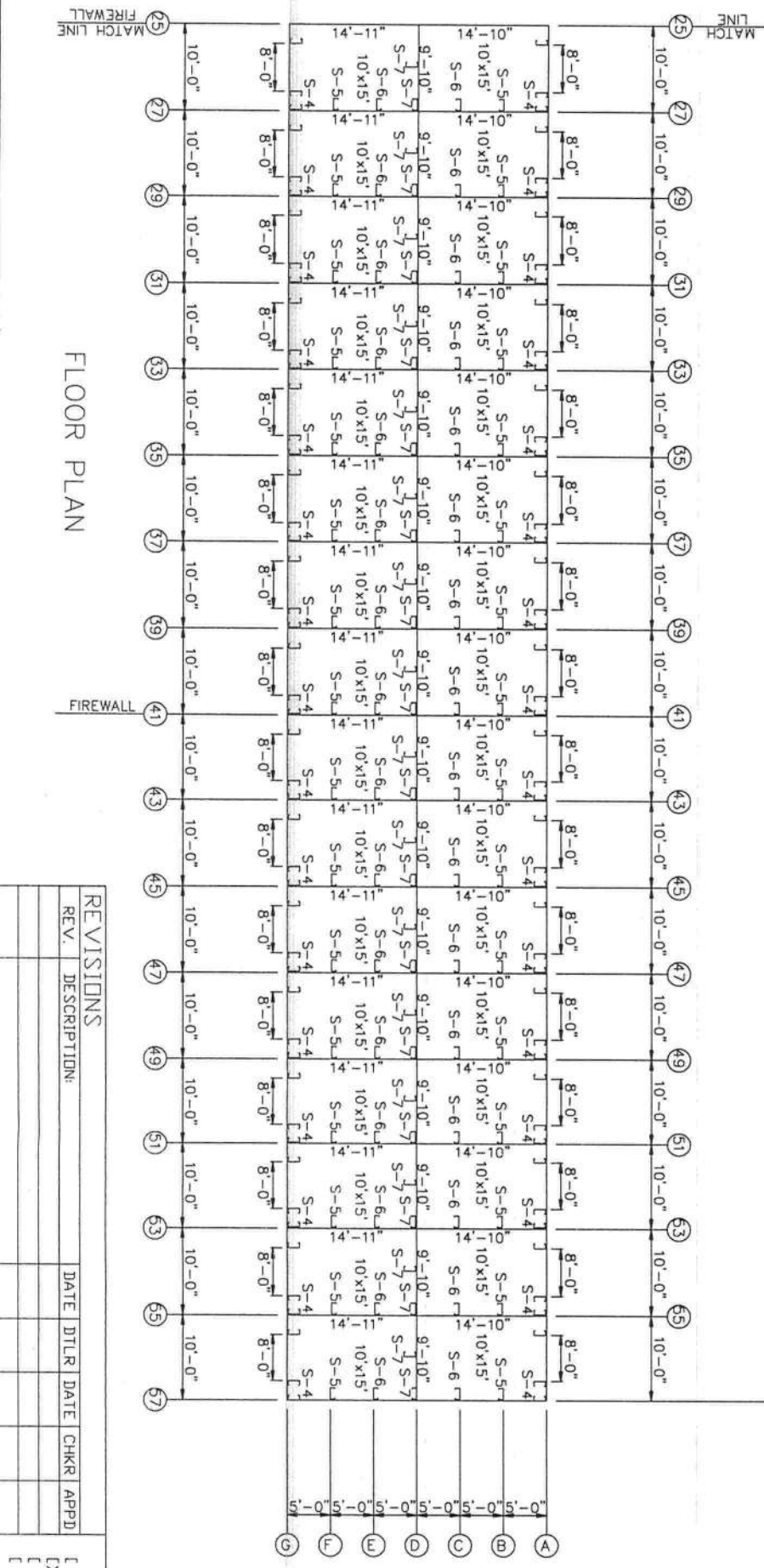


SEAL

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"	
S-4	4X20C16	10'-1 1/4"	
S-5	4X20C16	10'-2 1/4"	
S-6	4X20C16	10'-4 1/2"	
S-7	4X20C16	10'-7"	



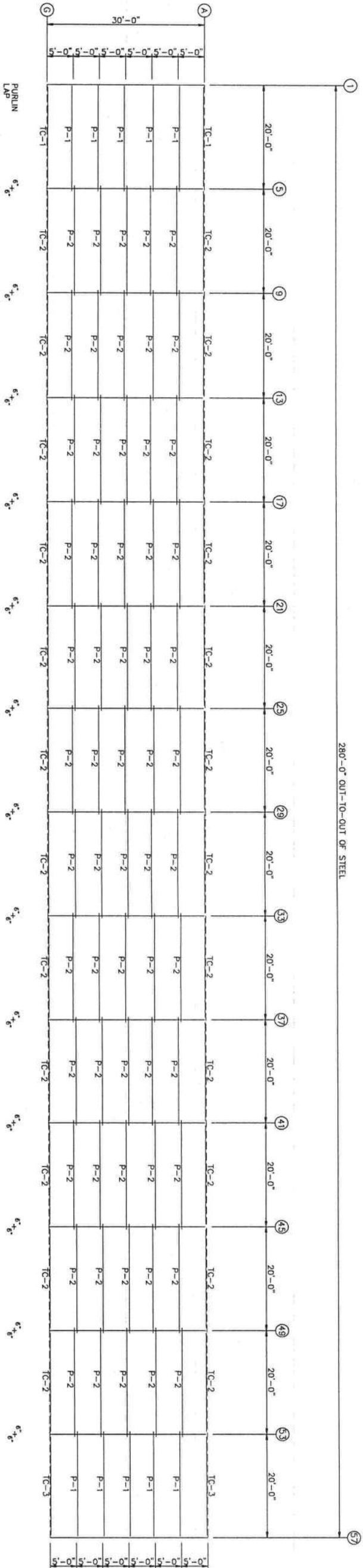
DETAIL AT FIREWALL



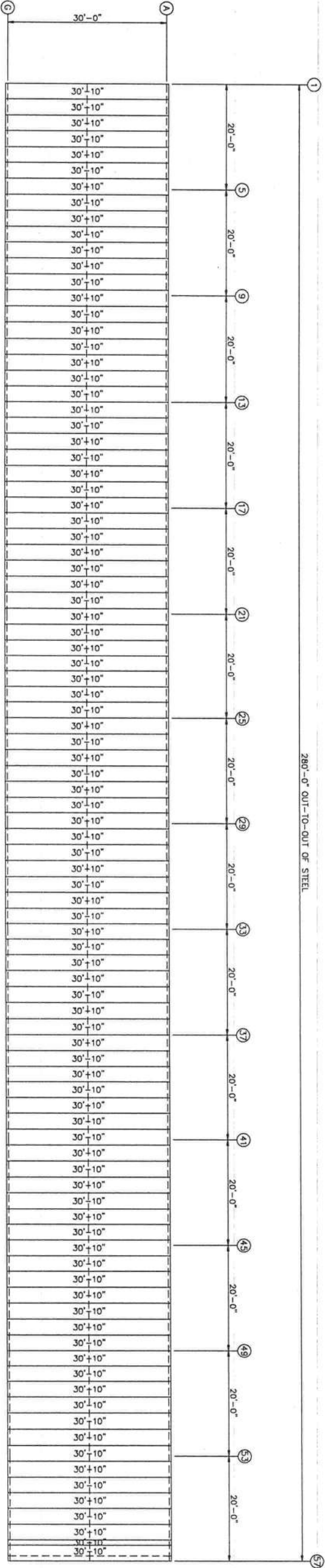
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							☒ FOR CONSTRUCTION	MINI-STORAGE & RECORD STORAGE			
							☐ FOR APPROVAL	ID			
							☐ OTHER, EXPLAIN	PROJECT			
								LAKE CITY, FL 32025			
								ADDRESS			
										DATE: 10/15/20	SHEET E1



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



ROOF FRAMING



ROOF SHEETING & TRIM
PANELS: 26 Gs. PR - Galvalume

REVISIONS					
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR

DRAWING STATUS					
☐	FINAL ERECTION	☐	MINI-STEEL STRUCTURES, INC	☐	MINI-STEEL STRUCTURES, INC
☒	FOR CONSTRUCTION	☐	PROJECT	☐	PROJECT
☐	FOR APPROVAL	☐	DATE: 10/15/20	☐	DATE: 10/15/20
☐	OTHER, EXPLAIN	☐	ADDRESS	☐	ADDRESS

PROJECT	MINI-STORAGE & RECORD STORAGE
DATE: 10/15/20	DESIGN: VB
	DRAFT: JMP
	CHECK: VB
	SHEET E2

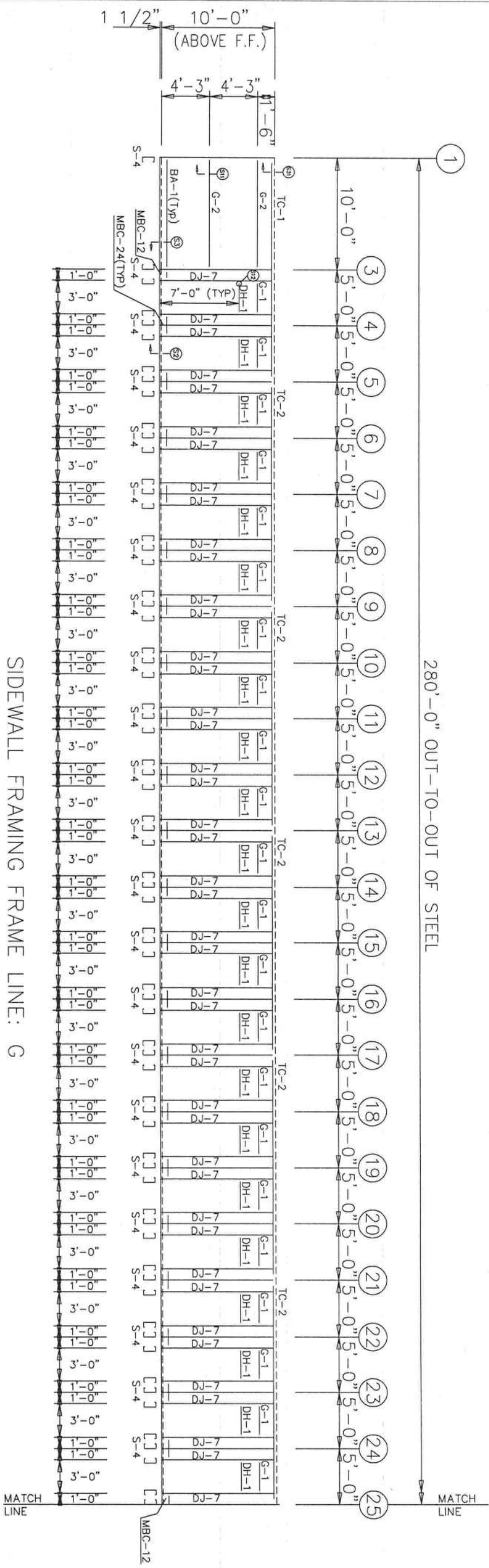


SEAL

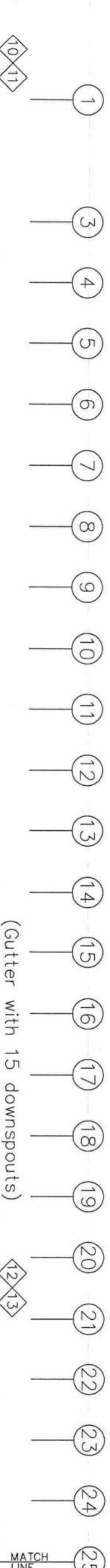
10/21/20

ORIGINAL SIGNATURE REQUIRED

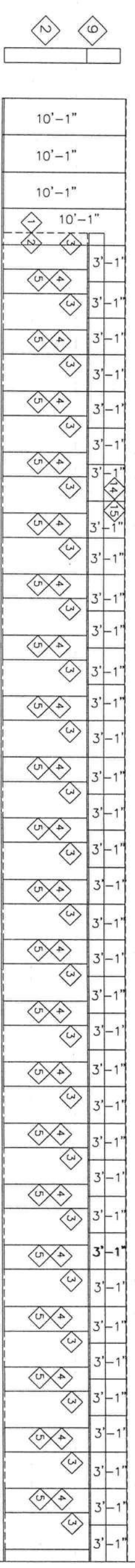
MEMBER TABLE		
MARK	PART	LENGTH
S-4	4X20C16	10'-1 1/4"
DJ-7	4X20C16	10'-1 1/4"
TC-1	4X25CH16	19'-10 3/8"
TC-2	4X25CH16	19'-11 3/4"
TC-3	4X25CH16	20'-0 7/8"
DH-1	4X20C16	2'-11 1/2"
DH-2	4X20C16	2'-11 1/2"
G-1	4X20C16	3'-0"
G-2	4X20C16	9'-7 1/2"
G-3	4X20C16	8'-0"



SIDEWALL FRAMING FRAME LINE: G



(Gutter with 15 downspouts)



SIDEWALL SHEETING & TRIM FRAME LINE: G

PANELS: 26 Co. PR - Light Stone

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 LAKE CITY, FL 32025					
							ADDRESS					
							MINI-STORAGE & RECORD STORAGE					
							SIDEWALL DRAWING					
							DESIGN: VB		DRAFT: JMP		CHECK: VB	
							DATE: 10/15/20		SHEET		E4	



SEAL

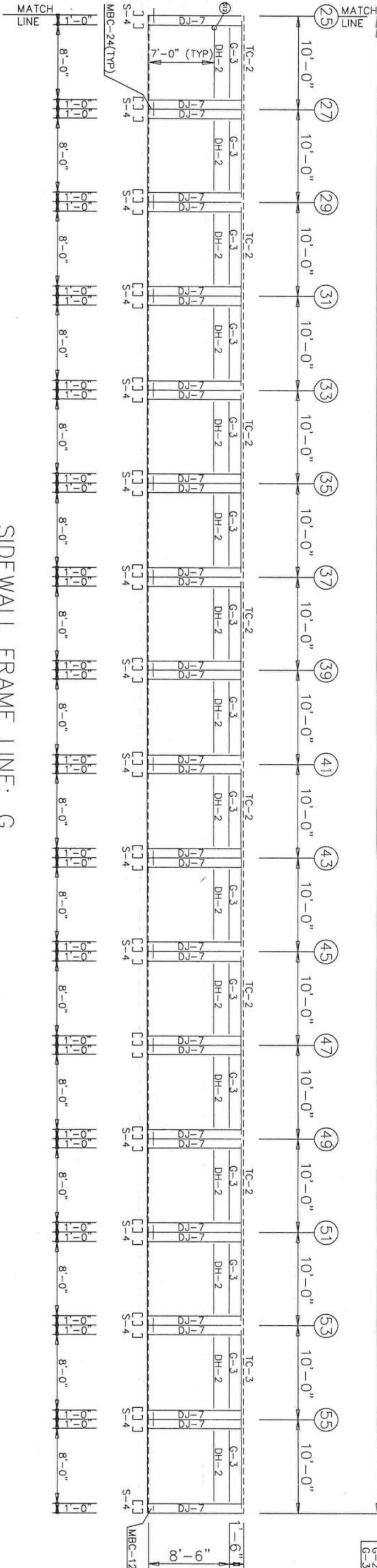
10/21/20

TRIM TABLE		
QID MARK	LENGTH	DETAIL
1 JCT14	7'-0"	TRIM_33
2 JTR	7'-3"	TRIM_31
3 JCT14	3'-0"	TRIM_33
4 WMC	2'-0"	TRIM_31
5 WMP24	7'-0"	TRIM_33
6 JCT14	8'-0"	TRIM_31
7 WMC	1'-0"	TRIM_33
8 WCP12	7'-0"	TRIM_29
9 CTR	3'-3"	TRIM_52
10 RVGB	6"	TRIM_50
11 RVGB	3"	TRIM_33
12 RVGB	20'-3"	TRIM_33
13 RVGB	9'-6"	TRIM_33
14 HT	20'-3"	TRIM_33
15 HT	20'-3"	TRIM_33

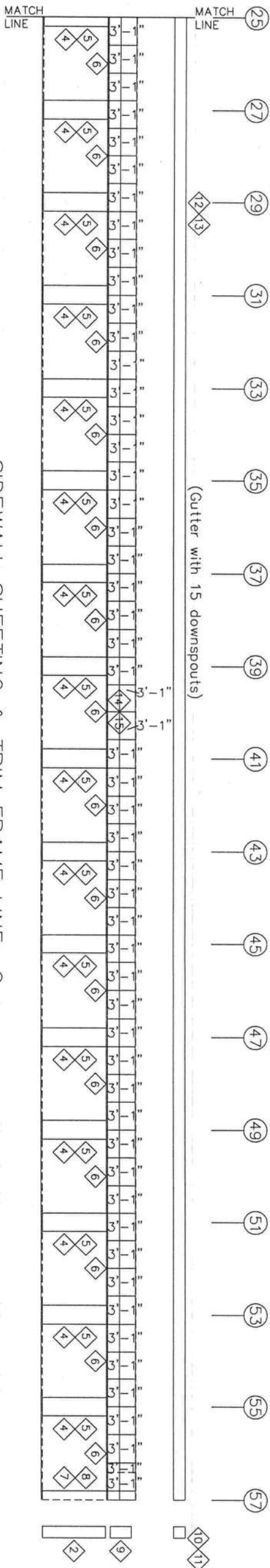
ORIGINAL SIGNATURE REQUIRED

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'-10 3/8"
TC-3	4X25CH16	20'-0 7/8"
DH-1	4X20C16	2'-11 1/2"
DH-2	4X20C16	7'-11 1/2"
G-1	4X20C16	3'-0"
G-2	4X20C16	9'-7 1/2"
G-3	4X20C16	8'-0"

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



SIDEWALL FRAME LINE: G



SIDEWALL SHEETING & TRIM FRAME LINE: G

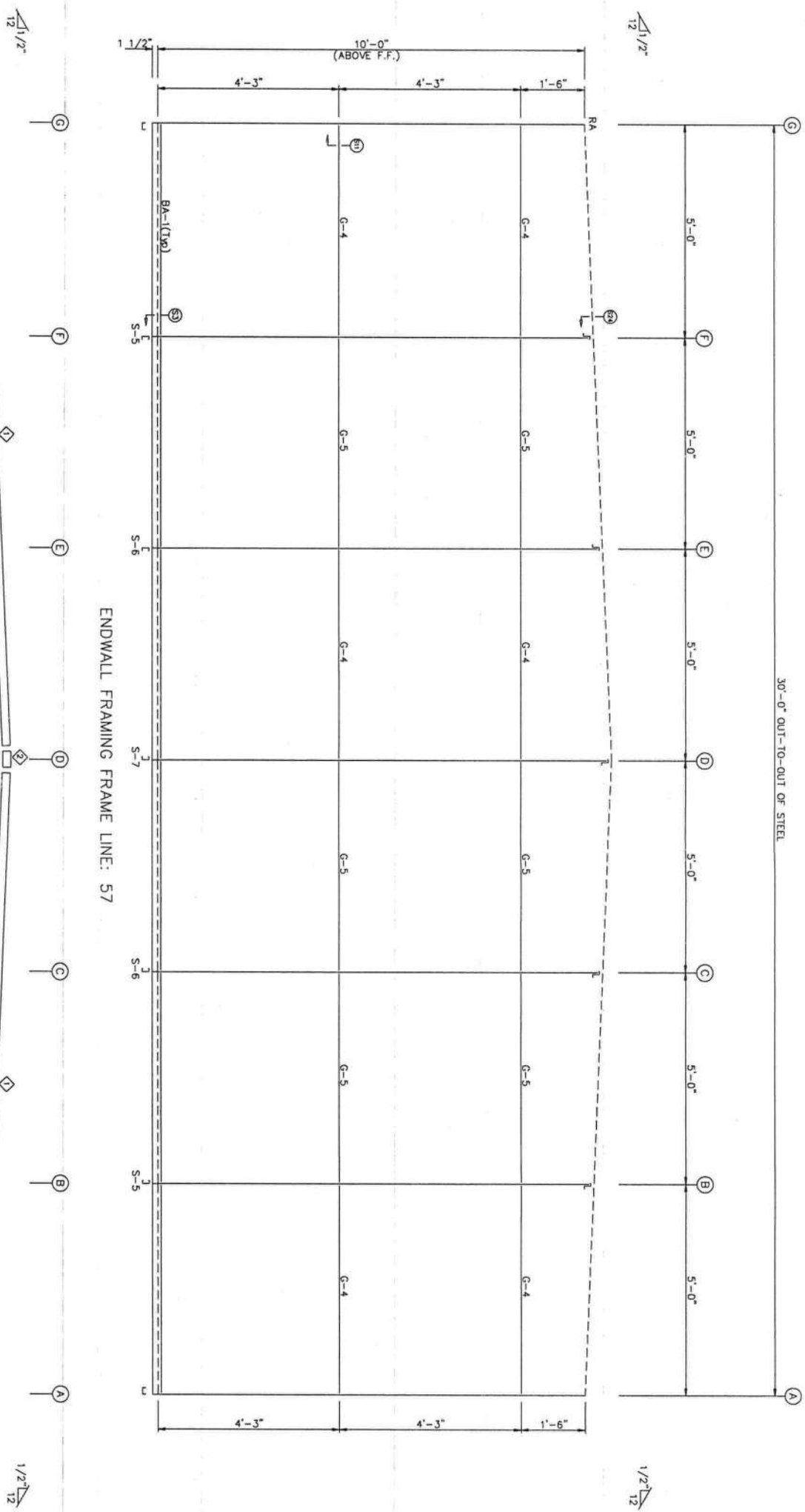
PANELS: 26 Ga. PR - Light Stone

TRIM TABLE		
OID MARK	LENGTH	DETAIL
1 JCT4	7'-0"	TRIM_33
2 JTR	7'-3"	TRIM_31
3 JCT4	3'-0"	TRIM_33
4 WMC	2'-0"	TRIM_31
5 WMP24	7'-0"	TRIM_33
6 JCT4	8'-0"	TRIM_33
7 WMC	1'-0"	TRIM_31
8 WCP12	7'-0"	TRIM_33
9 CTR	3'-3"	TRIM_29
10 RVCB	6"	TRIM_52
11 RVEG	6"	TRIM_50
12 RVEG	20'-3"	TRIM_33
13 RVEG	20'-3"	TRIM_33
14 HT	20'-3"	TRIM_33
15 HT	20'-3"	TRIM_33

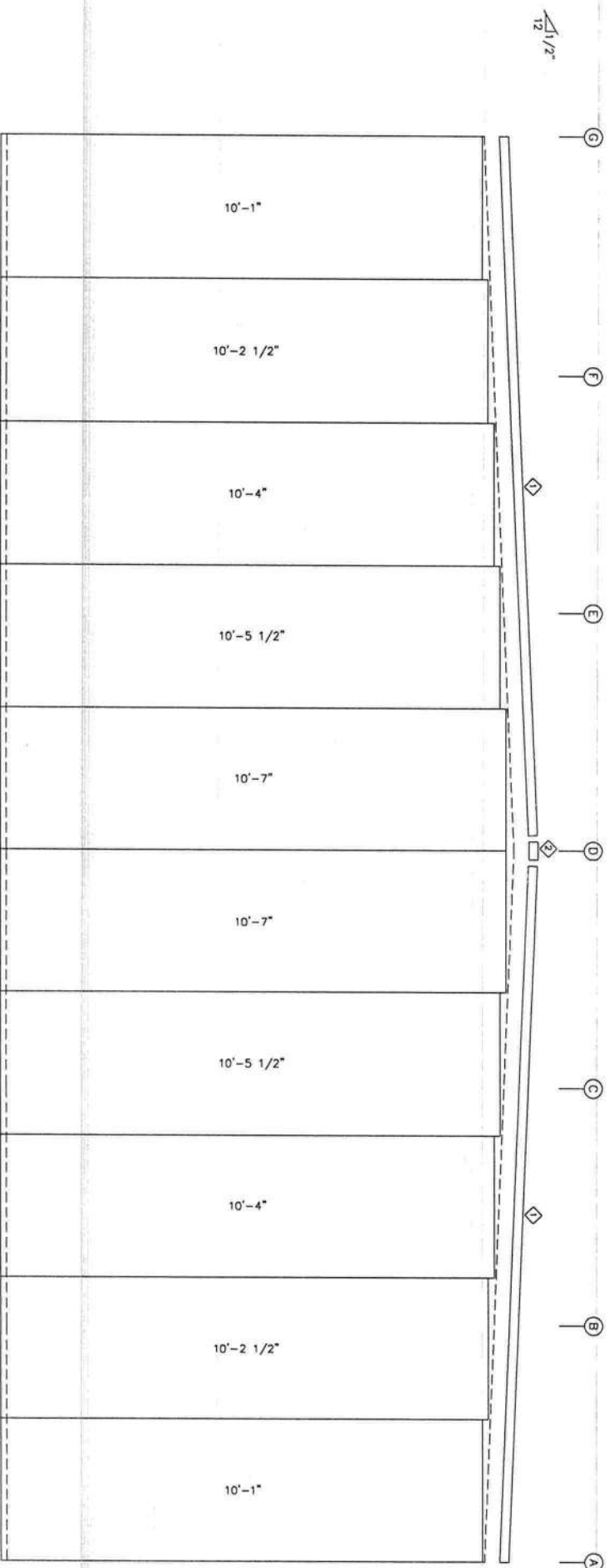


REVISIONS						DRAWING STATUS		VULCAN STEEL STRUCTURES, INC				MINI-STORAGE & RECORD STORAGE					
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD	☐ FINAL ERECTION	☒ FOR CONSTRUCTION	☐ FOR APPROVAL	☐ OTHER, EXPLAIN	PROJECT	MINI-STORAGE & RECORD STORAGE	SIDEWALL DRAWING	DESIGN- VB	DRAFT: JMP	CHECK: VB	
					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

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



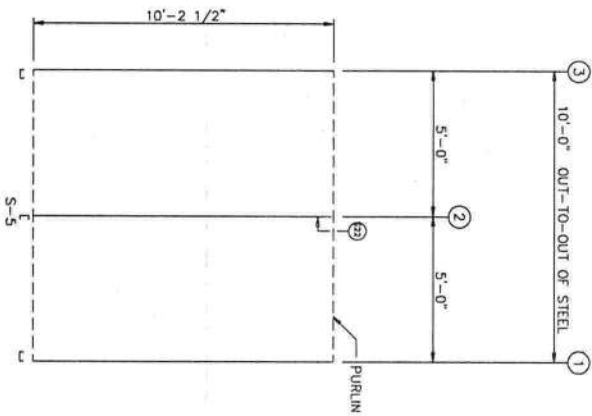
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REV.	DESCRIPTION:	DATE	DLR	DATE	CHKR	APPD	
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				VULCAN STEEL STRUCTURES, INC PROJECT MINI-STORAGE & RECORD STORAGE ID 26839 PROJECT LAKE CITY, FL 32025 ADDRESS			
				MINI-STORAGE & RECORD STORAGE ENDVALL DRAWING DESIGN: VB DRAFT: JMP CHECK: VB DATE: 10/15/20 SHEET E9			

SEAL

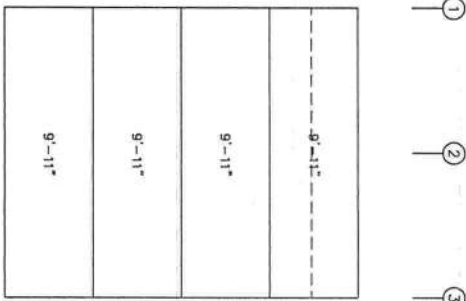
18/21/20

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

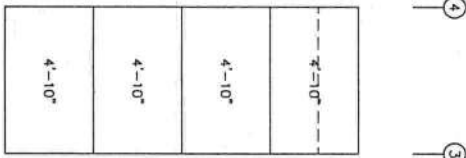
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MARK	PART	LENGTH
S-5	4X20C16	10'-2"



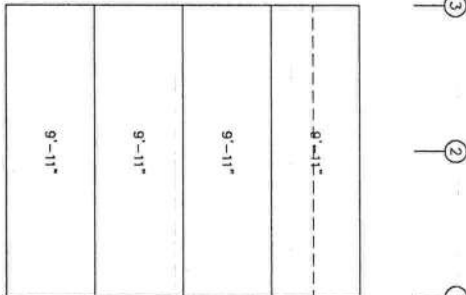
WALL FRAMING
FRAME LINE: B



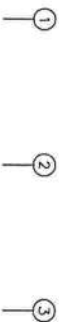
WALL SHEETING & TRIM
FRAME LINE: E
PANELS: 29 Ga. PR - Galvalume



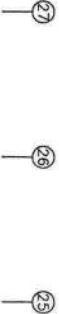
WALL SHEETING & TRIM
FRAME LINE: D (Typ of 22)
GRID LINES: (3-25)
PANELS: 29 Ga. PR - Galvalume



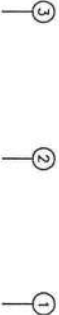
WALL SHEETING & TRIM
FRAME LINE: C
PANELS: 29 Ga. PR - Galvalume



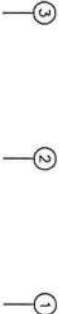
WALL SHEETING & TRIM
FRAME LINE: F
PANELS: 29 Ga. PR - Galvalume



WALL SHEETING & TRIM
FRAME LINE: D (Typ of 16)
GRID LINES: (25-57)
PANELS: 29 Ga. PR - Galvalume



WALL SHEETING & TRIM
FRAME LINE: D
PANELS: 29 Ga. PR - Galvalume



WALL SHEETING & TRIM
FRAME LINE: B
PANELS: 29 Ga. PR - Galvalume

REVISIONS					DRAWING STATUS					VULCAN STEEL STRUCTURES, INC					MINI-STORAGE & RECORD STORAGE				
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD						PROJECT	MINI-STORAGE & RECORD STORAGE	DESIGN: VB	DRAFT: JMP	CHECK: VB			
													26839						
													LAKE CITY, FL 32025						



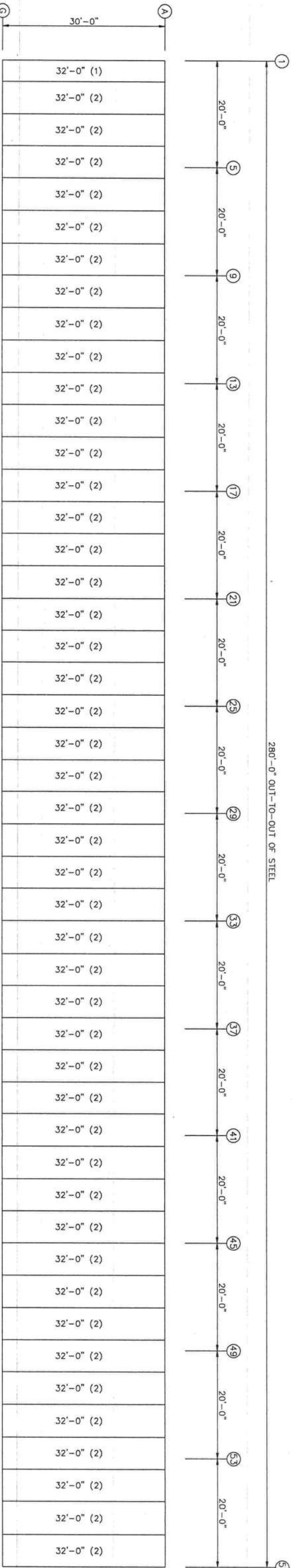
SEAL

10/21/20

ORIGINAL SIGNATURE REQUIRED

INSULATION TABLE				
ROOF				
ROLL	QUAN	MARK	WIDTH	LENGTH
1	1	R1-1	4'-0"	32'-0"
2	46	R1-2	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



16/21/25

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

REVISIONS					
REV.	DESCRIPTION:	DATE	DLR	DATE	CHKR APPD

DRAWING STATUS					
☒	FINAL ERECTION				
☐	FOR CONSTRUCTION				
☐	FOR APPROVAL				
☐	FOR APPROVAL				

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

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