PELLA
BUILDING SYSTEMS

906 West 9th Street Pella, IA 50219
(800) 225-0481 www.pellabuildings.com

BUILDING LOADS / DESCRIPTION:

WIDTH: 60 LENGTH: 56 HEIGHT: 15.88 /15.88
(BUILDING DIMENSIONS ARE NOMINAL. REFER TO PLANS).

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY : IBC 18 .

THE CONTRACTOR IS TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

SITE CLASS: d

OCCUPANCY CATEGORY: I - Low

SEISMIC DESIGN CATEGORY: B

ROOF DEAD LOAD:	2.000	PSF (ROOF PANELS & PURLINS)			
COLLATERAL LOAD:	0.5	PSF	SNOW EXPOSURE:	1.0000	
ROOF LIVE LOAD:	20.00	PSF	WIND EXPOSURE:	C	
ROOF SNOW LOAD:	13.44	PSF	INTERNAL PRESSURE COEFF.:		
GROUND SNOW LOAD:	20	PSF	0.18 / -0.18		
BASIC WIND SPEED:	103	MPH	SPECTRAL RESPONSE COEFF.	MAPPED SPECTRAL RESPONSE ACC.	
SEISMIC ZONE:	B		Sds 0.10	Ss 0.10	
THERMAL FACTOR:	1.20		Sd1 0.11	St 0.07	

IMPORTANCE FACTORS:

WIND LOAD	1.00
SNOW LOAD	0.8000
SEISMIC LOAD	1.00

DESIGN BASE SHEAR, V:

EXPANDED FORMULA	0.667*Ie*Fa*Ss*W/R
LONGITUDINAL	0.69
TRANSVERSE	0.67

GENERAL NOTES:

1) MATERIALS :

HOT ROLLED BAR	MINIMUM YIELD: Fy =	ksi MIN.
STRUCTURAL STEEL SHEET	Fy =	ksi MIN.
STRUCTURAL STEEL PLATE	Fy =	ksi MIN.
COLD FORMED SHAPES	Fy =	ksi MIN.
WALL SHEETING	Fy =	ksi MIN.
ROOF SHEETING	Fy =	ksi MIN.
BOLTS	A307 & A325	

THE METAL BUILDING MANUFACTURER RESERVES THE RIGHT TO SUBSTITUTE THE ABOVE MATERIALS WITH EQUAL OR BETTER MATERIAL.

2) BOLT TIGHTENING REQUIREMENTS:
ALL HIGH STRENGTH BOLTS ARE A325 UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS SHALL BE TIGHTENED BY THE TURN OF THE NUT METHOD IN ACCORDANCE WITH THE LATEST EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". A325 BOLTS SHALL BE INSTALLED WITH OUT WASHERS WHEN TIGHTENED BY THE "TURN OF THE NUT" METHOD. ALL BOLTED CONNECTIONS, FOR SHEAR/BEARING CONNECTION TYPE WITH BOLT THREADS EXCLUDED FROM THE SHEAR PLANE SHALL BE SNUG TIGHT ONLY.

3) ALL STRUCTUAL STEEL TO RECEIVE A RUST INHIBITIVE PRIMER. THIS PAINT IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS.

ROOF PANELS:
COLOR: Galvalume+ w/ Drip Stop

WALL PANELS:
COLOR: NEED SIG 200

TRIM COLORS:
CABLE: Black
CORNER: Black
EAVE: Black
FRAMED OPENINGS: Black

LINER PANELS:
COLOR: N/A

LINER TRIM:
COLOR: N/A

DEFLECTION LIMTS:

EW COL:	180
EW RAF LIVE:	180
EW RAF WIND:	180
WALL GIRT:	90
PURL LIVE:	180
PURL WIND:	150
WALL PANEL:	60
ROOF PANEL LIVE:	60
ROOF PANEL WIND:	60
RF HORIZONTAL:	180
RF VERTICAL:	60
WIND BENT:	60
RF CRANE:	0
RF SEIS:	0
WIND BENT SEIS:	0

BUILDER / CONTRACTOR RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO INSURE THAT ALL PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE METAL BUILDING SYSTEM MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT.

THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED. APPROVAL OF THE METAL BUILDING SYSTEM MANUFACTURER'S DRAWINGS AND CALCULATIONS INDICATE THAT THE METAL BUILDING SYSTEM MANUFACTURER CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS. (SECT. 4.2.1 AISC CODE OF STANDARD PRACTICES, 9TH ED.) WHERE DISCREPANCIES EXIST BETWEEN THE METAL BUILDING SYSTEM MANUFACTURER'S STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3 AISC CODE OF STANDARD PRACTICE 9TH ED.)

DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY THE METAL BUILDING SYSTEM MANUFACTURER ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN THE METAL BUILDING SYSTEM MANUFACTURER'S ENGINEER UNLESS SPECIFICALLY INDICATED.

THE CONTRACTOR IS RESPONSIBILE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK IN COMPLIANCE WITH THE METAL BUILDING SYSTEM MANUFACTURER "FOR CONSTRUCTION" DRAWINGS.

ALL BRACING AS SHOWN AND PROVIDED BY THE METAL BUILDING SYSTEM MANUFACTURER FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE.

TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION WILL BE DETERMINED AND FURNISHED AND INSTALLED BY THE ERECTOR. THESE TEMPORARY SUPPORTS WILL SECURE THE STEEL FRAMING, OR ANY PARTLY ASSEMBLIED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED, RESULTING FROM WIND, SEISMIC FORCES AND ERECTION OPERATIONS, BUT NOT THE LOADS RESULTING FROM THE PERFORMANCE OF WORK BY OR THE ACTS OF OTHERS, NOR SUCH UNPREDICTABLE LOADS AS THOSE DUE TO TORNADO, EXPLOSION, OR COLLISION. (SECT. 7.9.1 AISC CODE OF STANDARD PRACTICE, 9TH ED.)

WARNING: IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER. BOTH LEAD AND COPPER HAVE HARMFUL CORROSION EFFECTS ON THE ALUMINUM ZINC ALLOY COATING WHEN THEY ARE USED IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED.

APPROVAL NOTES

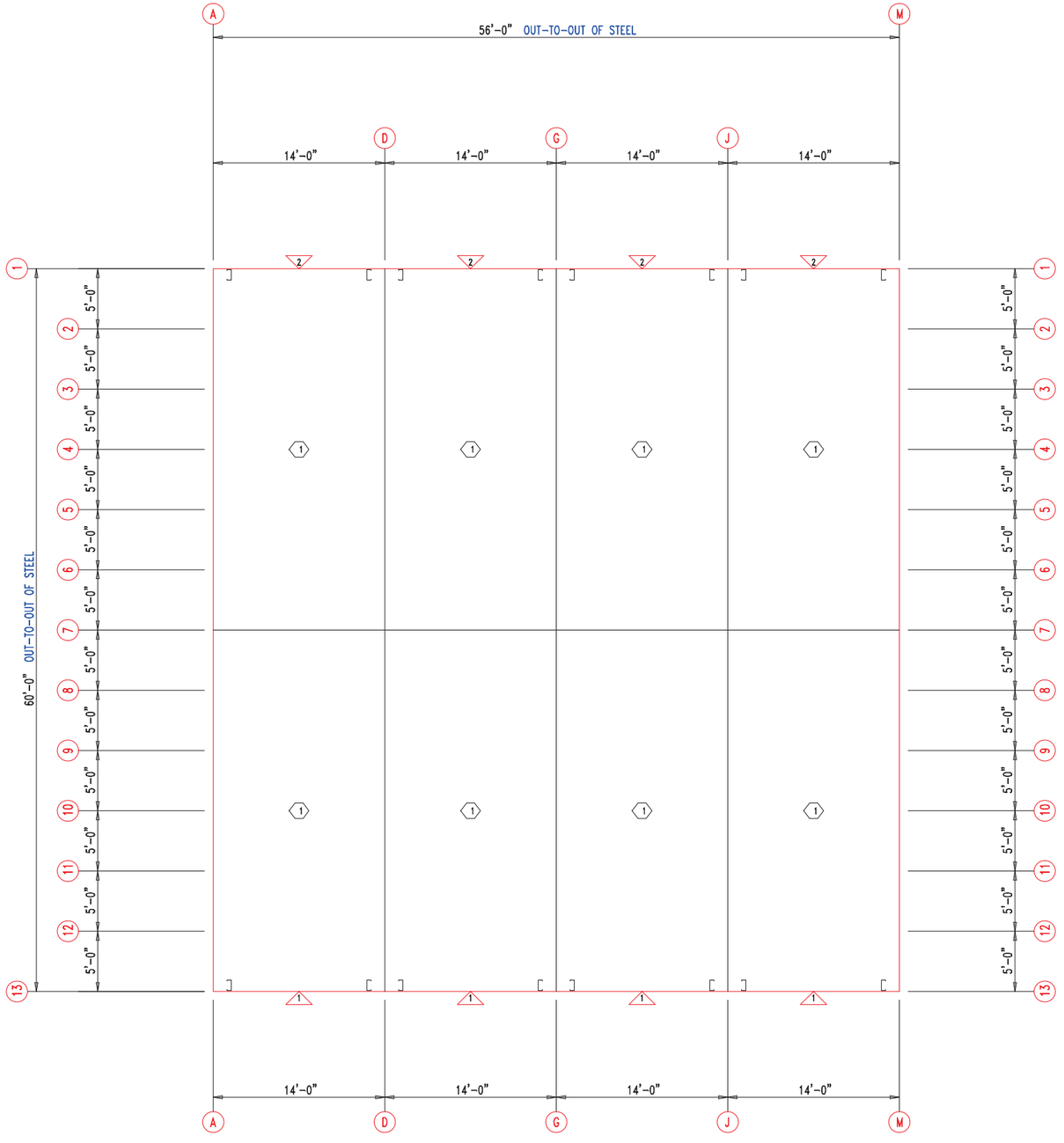
THE FOLLOWING CONDITIONS APPLY IN THE EVENT THAT THESE DRAWINGS ARE USED AS APPROVAL DRAWINGS: IT IS IMPERATIVE THAT ANY CHANGES TO THESE DRAWINGS BE MADE IN CONTRASTING INK (PREFERABLY RED INK), HAVE ALL INSTANCES OF CHANGE CLEARLY INDICATED, AND BE LEGIBLE AND UNAMBIGUOUS. A SIGNATURE AND DATE IS REQUIRED ON ALL PAGES. MANUFACTURER RESERVES THE RIGHT TO RE-SUBMIT DRAWINGS WITH EXTENSIVE OR COMPLEX CHANGES REQUIRED TO AVOID MISFABRICATION. THIS MAY IMPACT THE DELIVERY SCHEDULE. APPROVAL OF THESE DRAWINGS INDICATES CONCLUSIVELY THAT THE METAL BUILDING SYSTEM MANUFAACTURER HAS CORRECTLY INTERPRETED THE CONTRACT REQUIREMENTS, AND FURTHER CONSTITUTES AGREEMENT THAT THE BUILDING AS DRAWN WITH INDICATED CHANGES REPRESENTS THE TOTAL OF THE MATERIALS TO BE SUPPLIED BY MANUFACTURER. ANY CHANGES NOTED ON THHE DRAWINGS NOT IN COMFORMANCE WITH THE TERMS AND REQUIREMENTS OF THE CONTRACT BETWEEN MANUFACTURER AND ITS CUSTOMER ARE NOT BINDING ON MANUFACTURER UNLESS SUBSEQUENTLY SPECIFICALLY ACKNOWLEDGED AND AGREED TO IN WRITING BY CHANGE ORDER OR SEPARATE DOCUMENTATION. MANUFACTURER RECONGNIZES THAT RUBBER STAMPS ARE ROUTINELY USED FOR INDICATING APPROVAL, DISAPPROVAL, REJECTION, OR MERE REVIEW OF THE DRAWINGS SUBMITTED. HOWEVER, MANUFACTURER DOES NOT ACCEPT CHANGES OR ADDITIONS TO CONTRACTURAL TERMS AND CONDITIONS THAT MAY APPEAR WITH USE OF A STAMP OR SIMILIAR INDICATIOIN OF APPROVAL, DISAPPROVAL, ETC. SUCH LANGUAGE APPLIED TO MANUFACTURER'S DRAWINGS BY THE CUSTOMER, ARCHITECT, ENGINEER, OR ANY OTHER PARTY WILL BE CONSIDERED AS UNACCEPTABLE ALTERNATIONS TO THESE DRAWING NOTES, AND WILL NOT ALTER THE CONTRACTUAL RIGHTS AND OBLIGATIONS EXISTING BETWEEN MANUFACTURER AND ITS CUSTOMER.

STATE OF MISSOURI
RICHARD K. JOYCE
NUMBER PE-2003005438
SEP 09 2022
PROFESSIONAL ENGINEER

IMPORTANT NOTE: FINAL DETAILING, FABRICATION, AND DELIVERY DATE OF THIS PROJECT CANNOT BE COMPLETED UNTIL THE SIGNED APPROVALS ARE RETURNED TO THE METAL BUILDING MANUFACTURER.

REV.	DATE	REVISION
B	../../..	FOR CONSTRUCTION
A	../../..	FOR APPROVAL

PURCHASER: MEGA Storage
PROJECT: Lee's Summit
JOB NUMBER: 17



FLOOR PLAN

DOOR SCHEDULE

▽ ID	QUAN	DESCRIPTION	COLOR
1	4	Janus 1214 M1950 Rollup	Silhouette Gray
2	4	Janus 1214 M1950 Rollup	WHITE

COMPARTMENT TABLE

⬡ ID	QUAN	WIDTH	LENGTH
1	8	14'-0"	30'-0"

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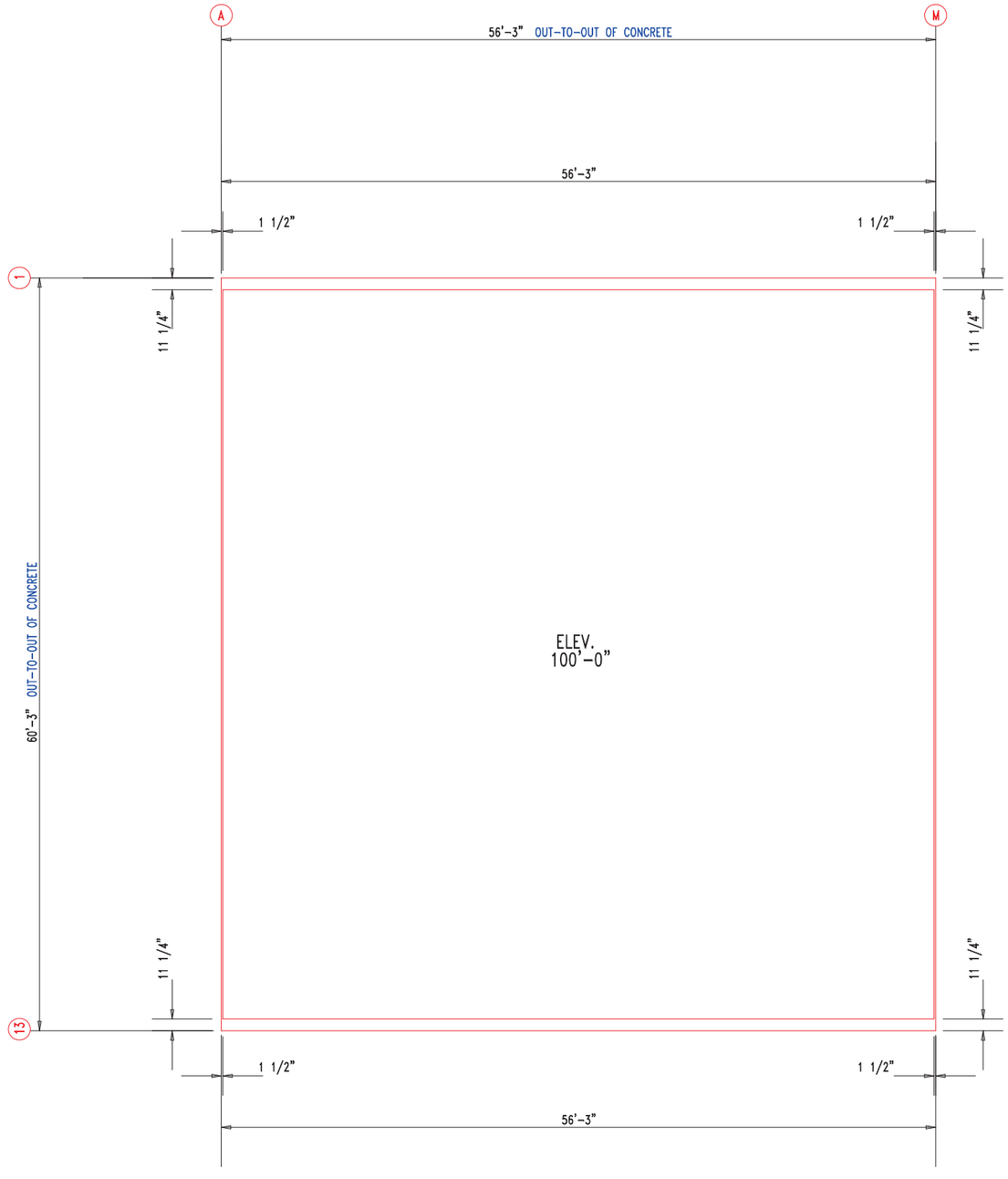
DESCRIPTION: FLOOR PLAN
CUSTOMER: MEGA Storage
PROJECT: Lee's Summit
LOCATION: LEE'S SUMMIT

DRN. BY	CK'D BY	DATE	SCALE	REV.	QUOTATION NO.	SHEET NO.
JB		8/26/22	N.T.S.	00	17	1 OF 14



ANCHOR PLAN

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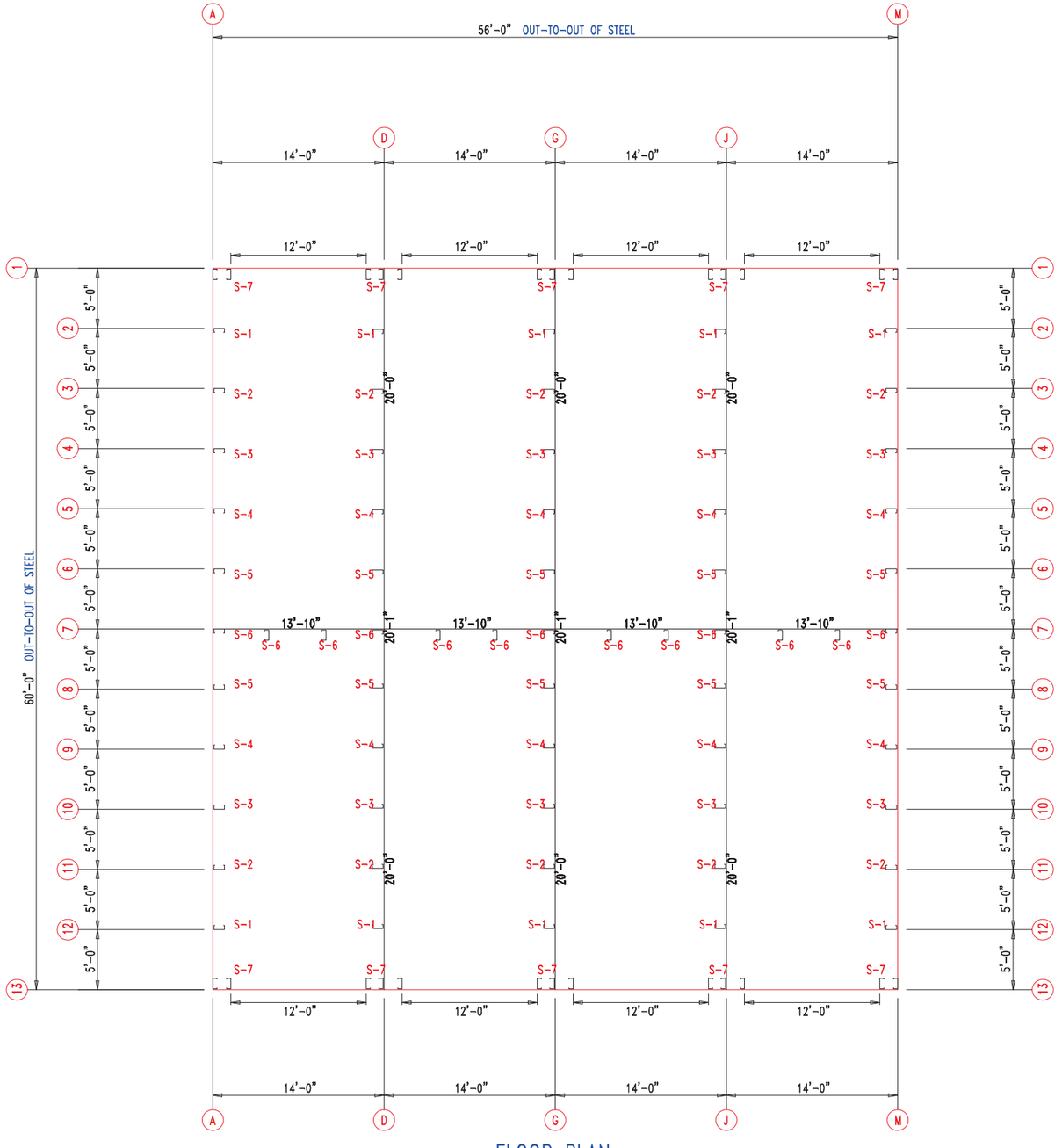
CUSTOMER: MEGA Storage | PROJECT: Lee's Summit

LOCATION: LEE'S SUMMIT

DRN. BY	CK'D BY	DATE	SCALE	REV.	QUOTATION NO.	SHEET NO.
JB		8/26/22	N.T.S.	00	17	2 OF 14

MEMBER TABLE		
MARK	PART	LENGTH
S-1	6X2C16	16'-1"
S-2	6X2C16	16'-3 1/2"
S-3	6X2C16	16'-6"
S-4	6X2C16	16'-8 1/2"
S-5	6X2C16	16'-11"
S-6	6X2C16	17'-1 1/2"
S-7	6X2C16	16'-0"



FLOOR PLAN

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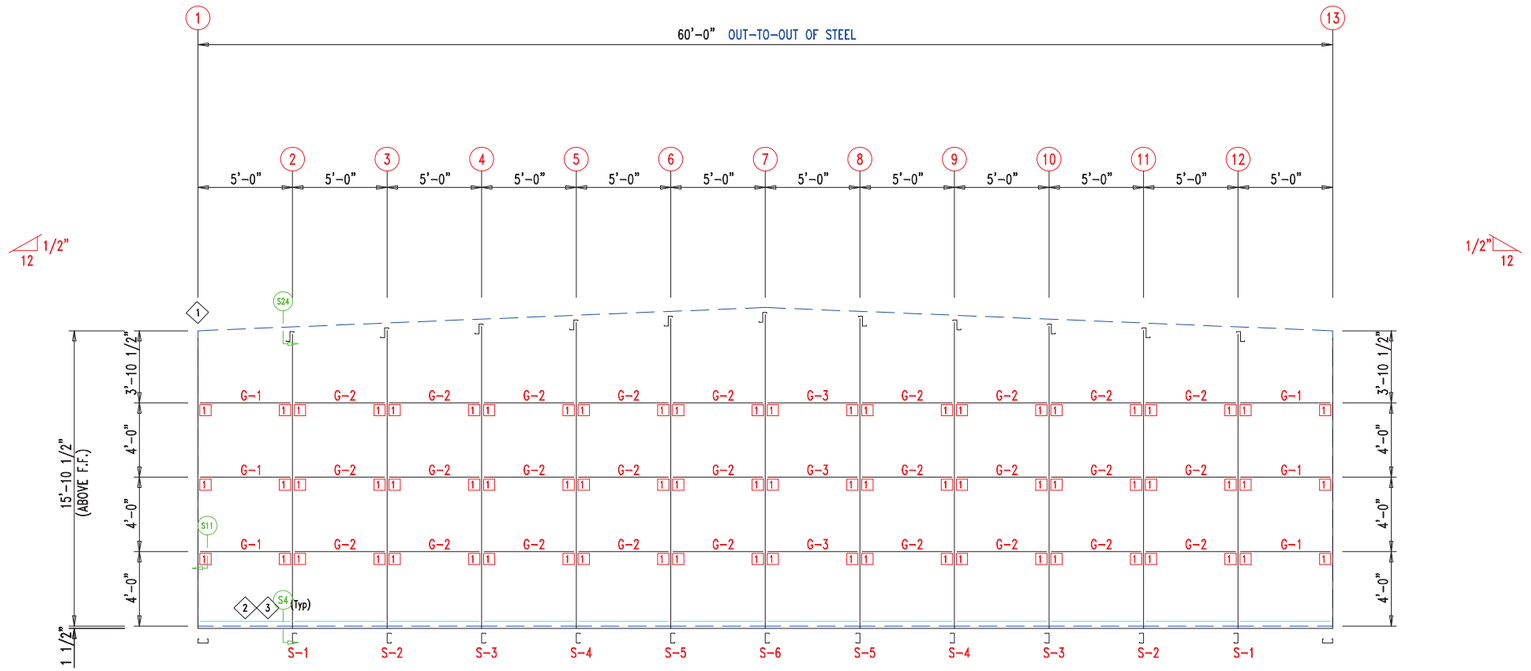
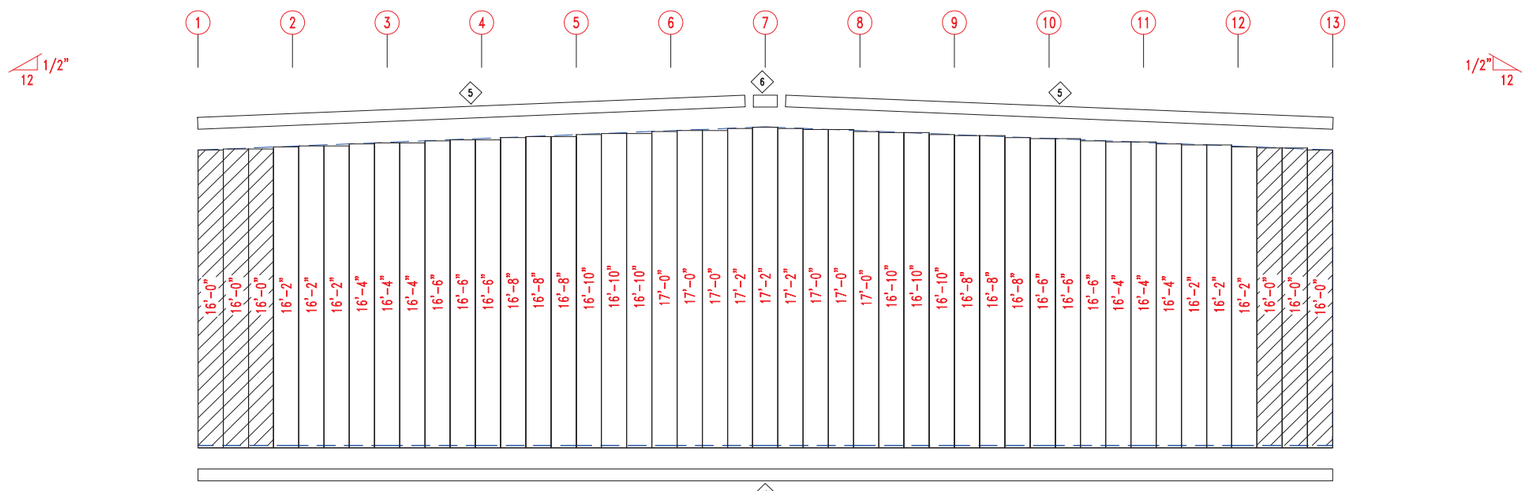
CUSTOMER: MEGA Storage					PROJECT: Lee's Summit	
LOCATION: LEE'S SUMMIT						
DRN. BY	CK'D BY	DATE	SCALE	REV.	QUOTATION NO.	SHEET NO.
JB		8/26/22	N.T.S.	00	17	3 OF 14



ENDWALL FRAMING FRAME LINE: A



ENDWALL SHEETING & TRIM FRAME LINE: A

PANELS: 20 Ga. CP – NEED SIG 200

TRIM TABLE

◇ID	PART	LENGTH	DETAIL
4	PBDT-1.5	10'-2"	
5	FL16D	15'-4"	TRIM_229
6	FL16B	1'-4"	

MEMBER TABLE

MARK	PART	LENGTH
S-1	6X2C16	16'-1"
S-2	6X2C16	16'-3 1/2"
S-3	6X2C16	16'-6"
S-4	6X2C16	16'-8 1/2"
S-5	6X2C16	16'-11"
S-6	6X2C16	17'-1 1/2"
G-1	6X2C16	4'-5 3/4"
G-2	6X2C16	4'-9 1/2"
G-3	6X2C16	4'-7 1/2"

ANGLE TABLE

◇ID	MARK	LENGTH
1	L3x3	20'-0"
2	PB6EC	20'-0"
3	PB6EC	SCRAP

CONNECTION PLATES

□ID	MARK/PART
1	PBMC-6

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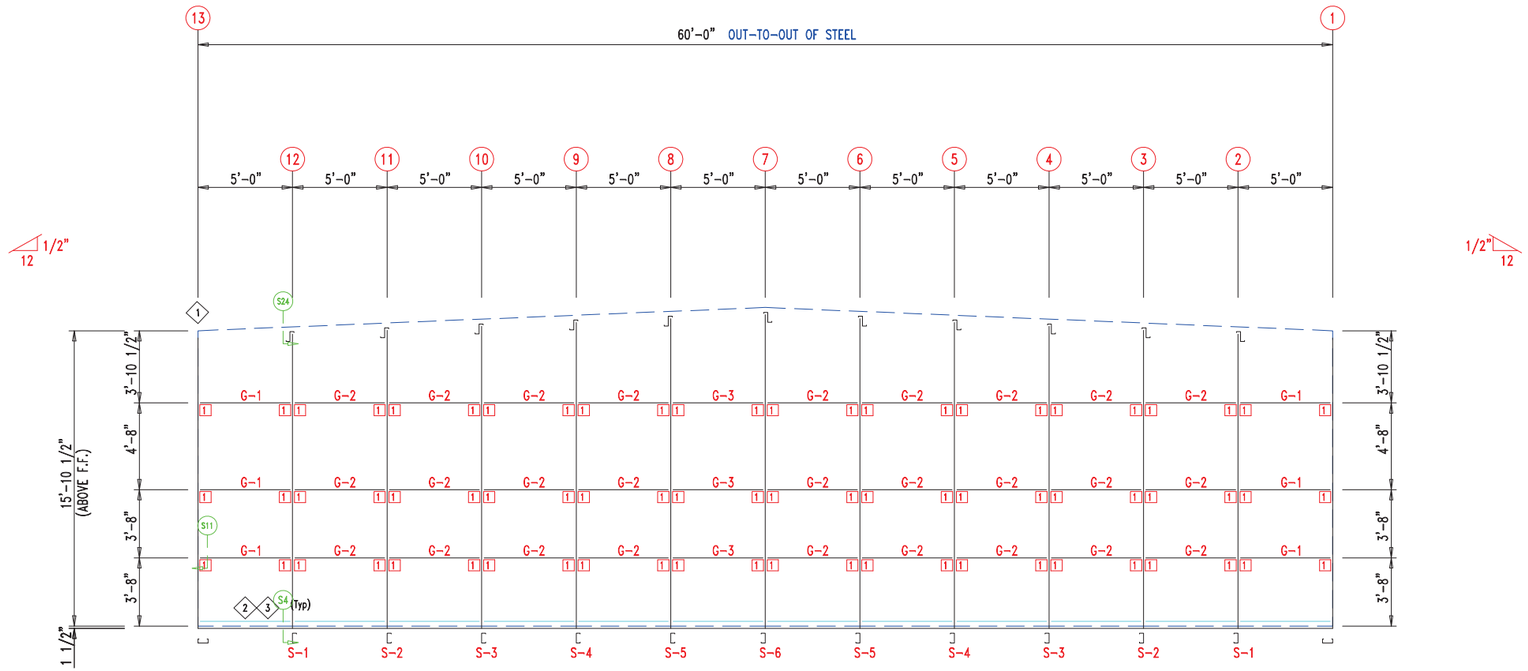
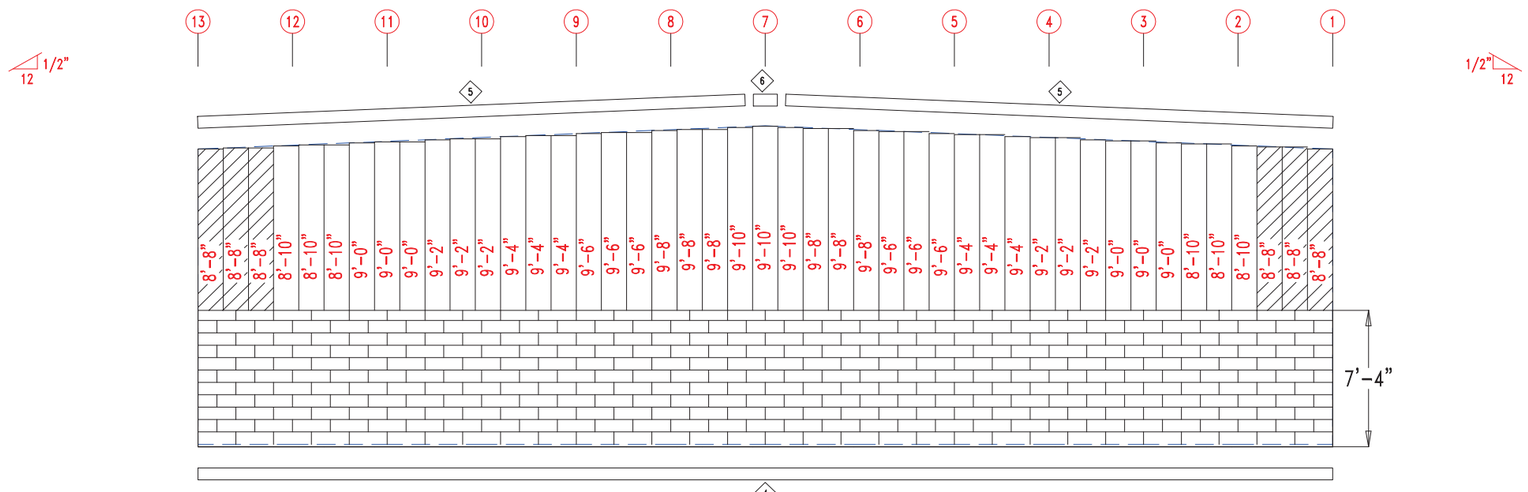
LOCATION: LEE'S SUMMIT						
DRN. BY	CK'D BY	DATE	SCALE	REV.	QUOTATION NO.	SHEET NO.
JB		8/26/22	N.T.S.	00	17	4 OF 14



ENDWALL FRAMING FRAME LINE: M



ENDWALL SHEETING & TRIM FRAME LINE: M

PANELS: 20 Ga. CP – NEED SIG 200

TRIM TABLE

◇ID	PART	LENGTH	DETAIL
4	PBDT-1.5	10'-2"	
5	FL16D	15'-4"	TRIM_229
6	FL16B	1'-4"	

MEMBER TABLE

MARK	PART	LENGTH
S-1	6X2C16	16'-1"
S-2	6X2C16	16'-3 1/2"
S-3	6X2C16	16'-6"
S-4	6X2C16	16'-8 1/2"
S-5	6X2C16	16'-11"
S-6	6X2C16	17'-1 1/2"
G-1	6X2C16	4'-5 3/4"
G-2	6X2C16	4'-9 1/2"
G-3	6X2C16	4'-7 1/2"

ANGLE TABLE

◇ID	MARK	LENGTH
1	L3x3	20'-0"
2	PB6EC	20'-0"
3	PB6EC	SCRAP

CONNECTION PLATES

□ID	MARK/PART
1	PBMC-6

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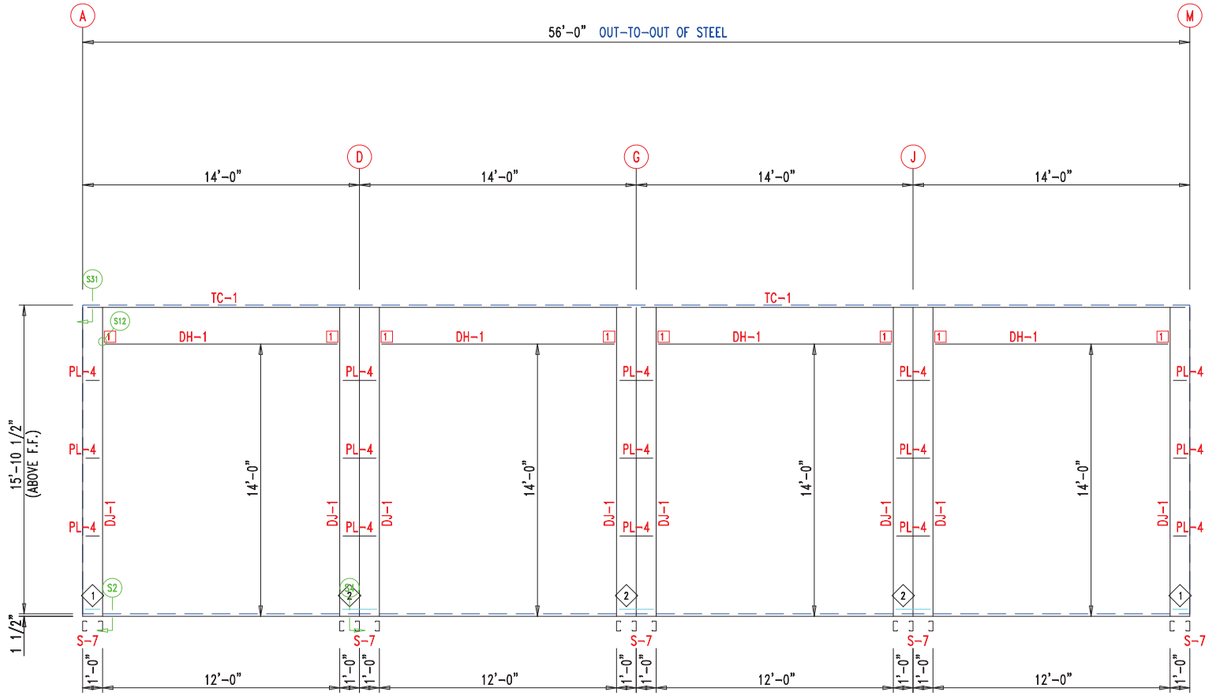
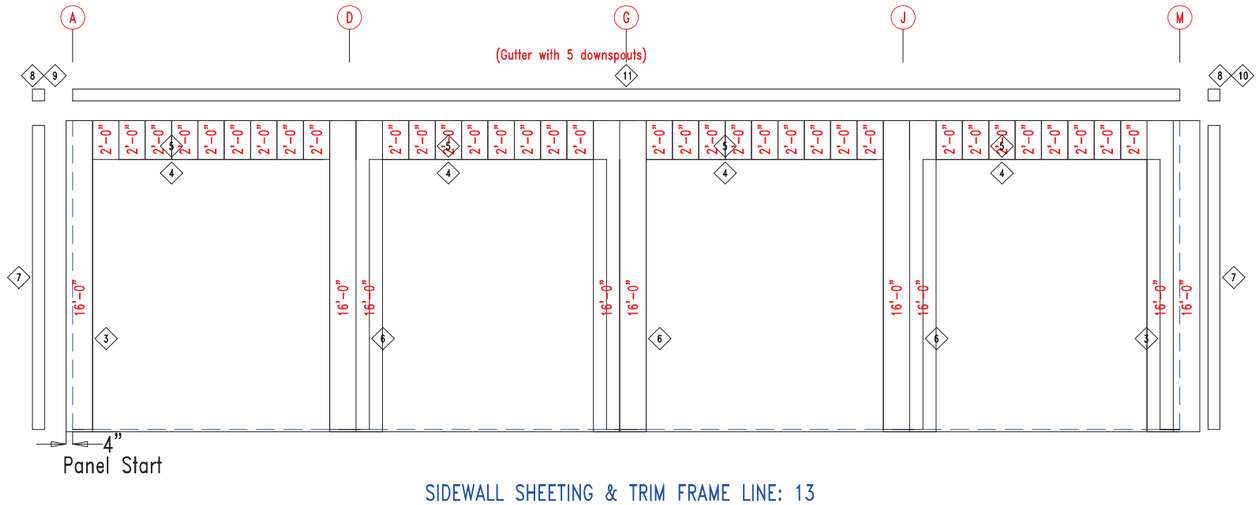
JB		8/26/22	N.T.S.	00	17	5 OF 14



SIDEWALL FRAMING FRAME LINE: 13



SIDEWALL SHEETING & TRIM FRAME LINE: 13

PANELS: 20 Ga. CP – NEED SIG 200

TRIM TABLE

◇ID	PART	LENGTH	DETAIL
3	PB6SM-12	14'-1"	
4	PB6HT-6	12'-1"	TRIM_235
5	XFL26	20'-2"	TRIM_232
6	PB6M-24	14'-1"	
7	FL835x	16'-0"	TRIM_198
8	FL16C	6"	
9	FL18AL	6"	
10	FL18AR	6"	
11	FL19	10'-2"	TRIM_317

MEMBER TABLE

MARK	PART	LENGTH
S-7	6X2C16	16'-0"
DJ-1	PBMJ6	16'-0"
TC-1	PB6EC	28'-0"
DH-1	6X25C16	11'-11 1/2"
PL-4	2" Plate	20"

ANGLE TABLE

◇ID	MARK	LENGTH
1	PB6BC1	11 3/4"
2	PB6BC2	1'-11 3/4"

CONNECTION PLATES

□ID	MARK/PART
1	PBMC-6

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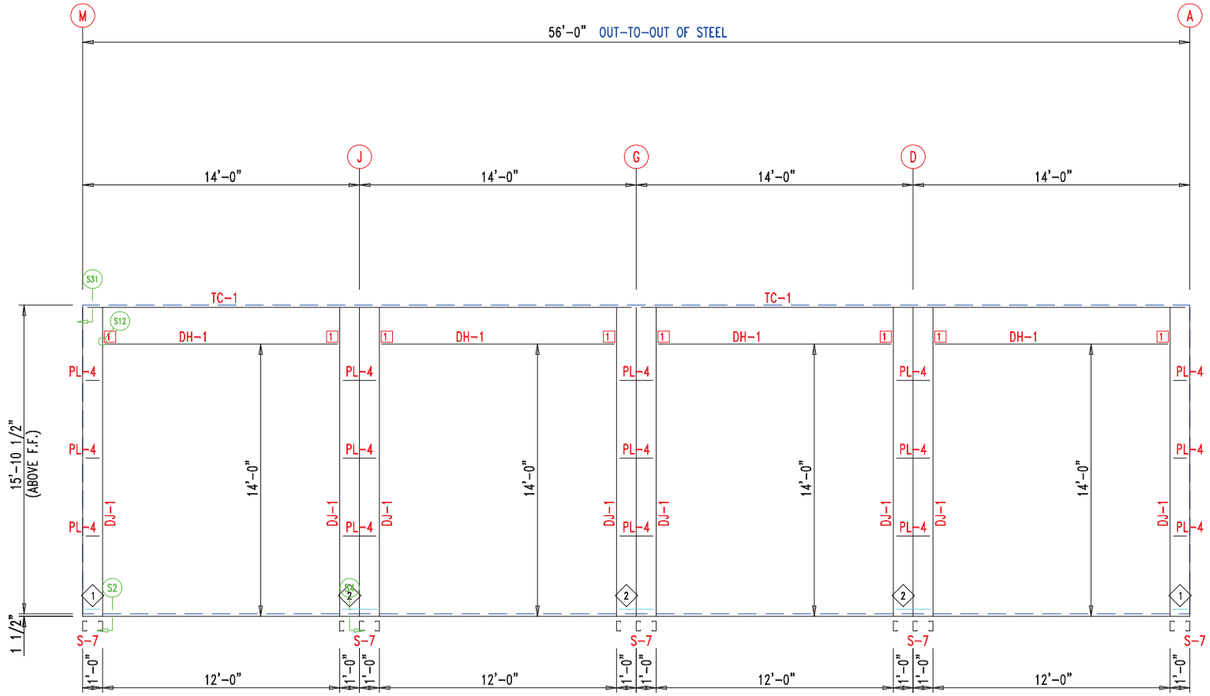
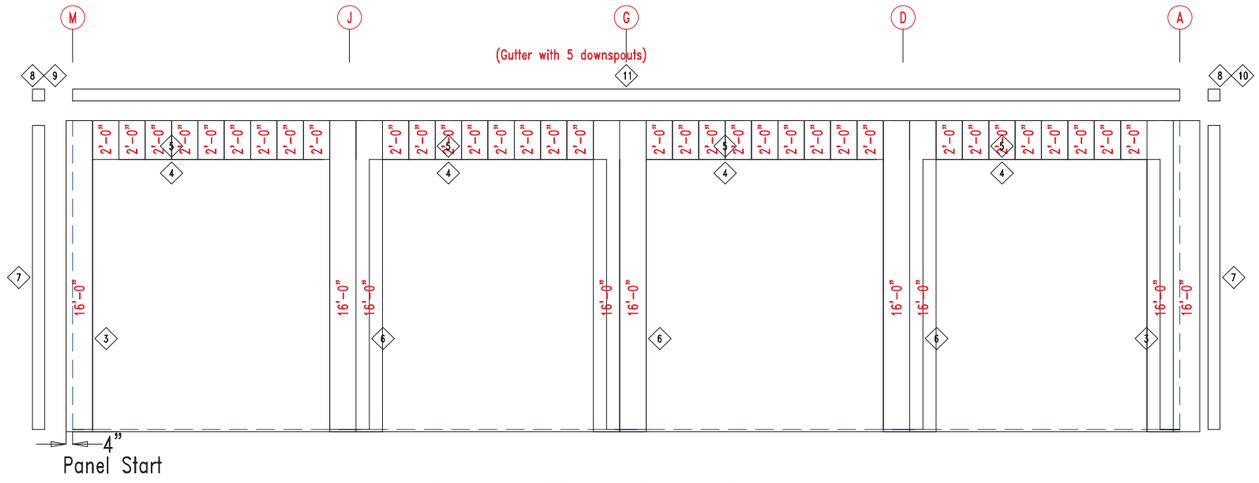
DRN. BY	CK'D BY	DATE	SCALE	REV.	QUOTATION NO.	SHEET NO.
JB		8/26/22	N.T.S.	00	17	6 OF 14



SIDEWALL FRAMING FRAME LINE: 1



SIDEWALL SHEETING & TRIM FRAME LINE: 1

PANELS: 20 Ga. CP – NEED SIG 200

TRIM TABLE

◇ID	PART	LENGTH	DETAIL
3	PB6SM-12	14'-1"	
4	PB6HT-6	12'-1"	TRIM_235
5	XFL26	20'-2"	TRIM_232
6	PB6M-24	14'-1"	
7	FL835x	16'-0"	TRIM_198
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10	FL18AR	6"	
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TC-1	PB6EC	28'-0"
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ANGLE TABLE

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1	PB6BC1	11 3/4"
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CONNECTION PLATES

□ID	MARK/PART
1	PBMC-6

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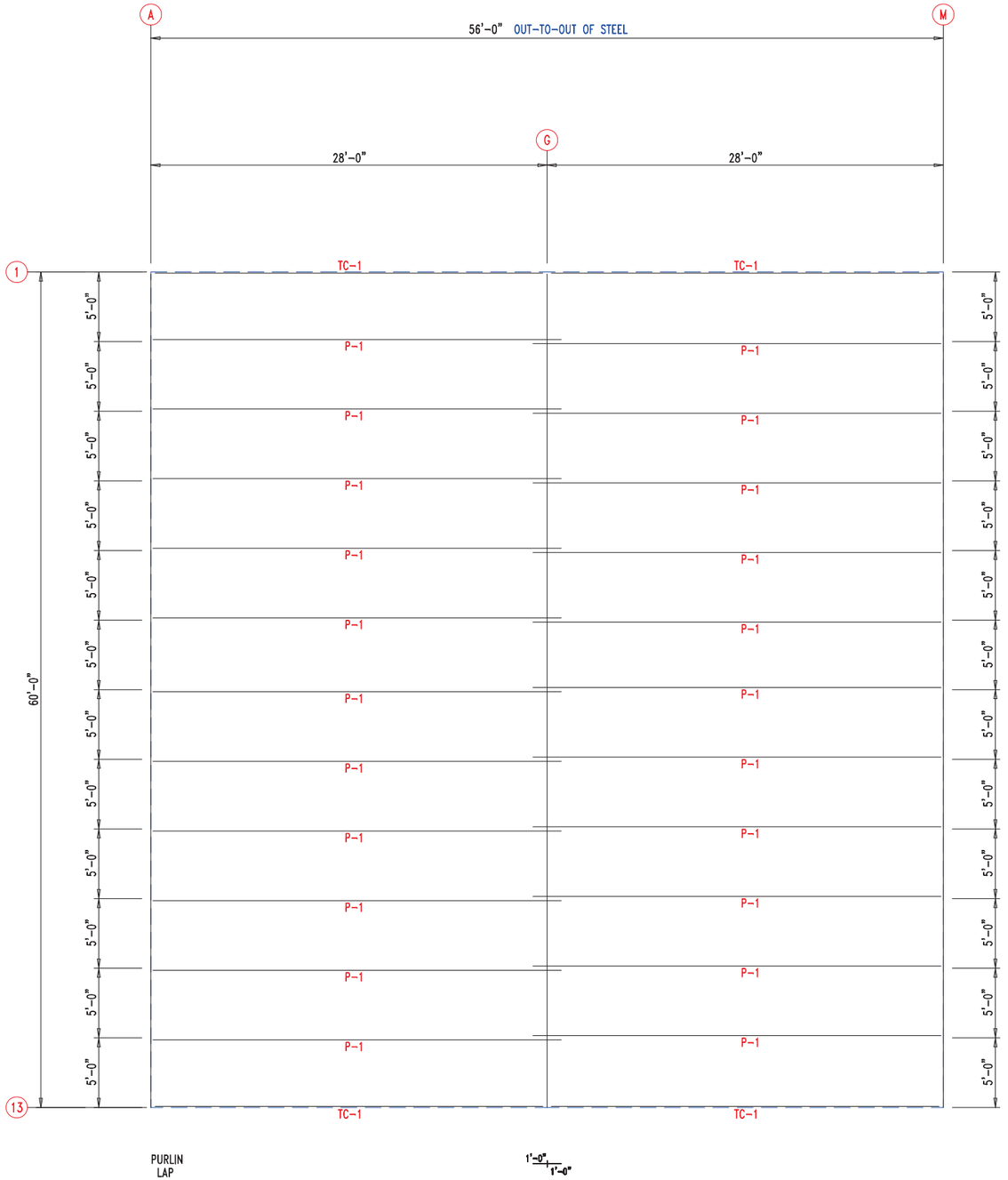
DRN. BY	CK'D BY	DATE	SCALE	REV.	QUOTATION NO.	SHEET NO.
JB		8/26/22	N.T.S.	00	17	7 OF 14

MEMBER TABLE		
MARK	PART	LENGTH
TC-1	PB6EC	28'-0"
P-1	6X25Z14	29'-0"



ROOF FRAMING

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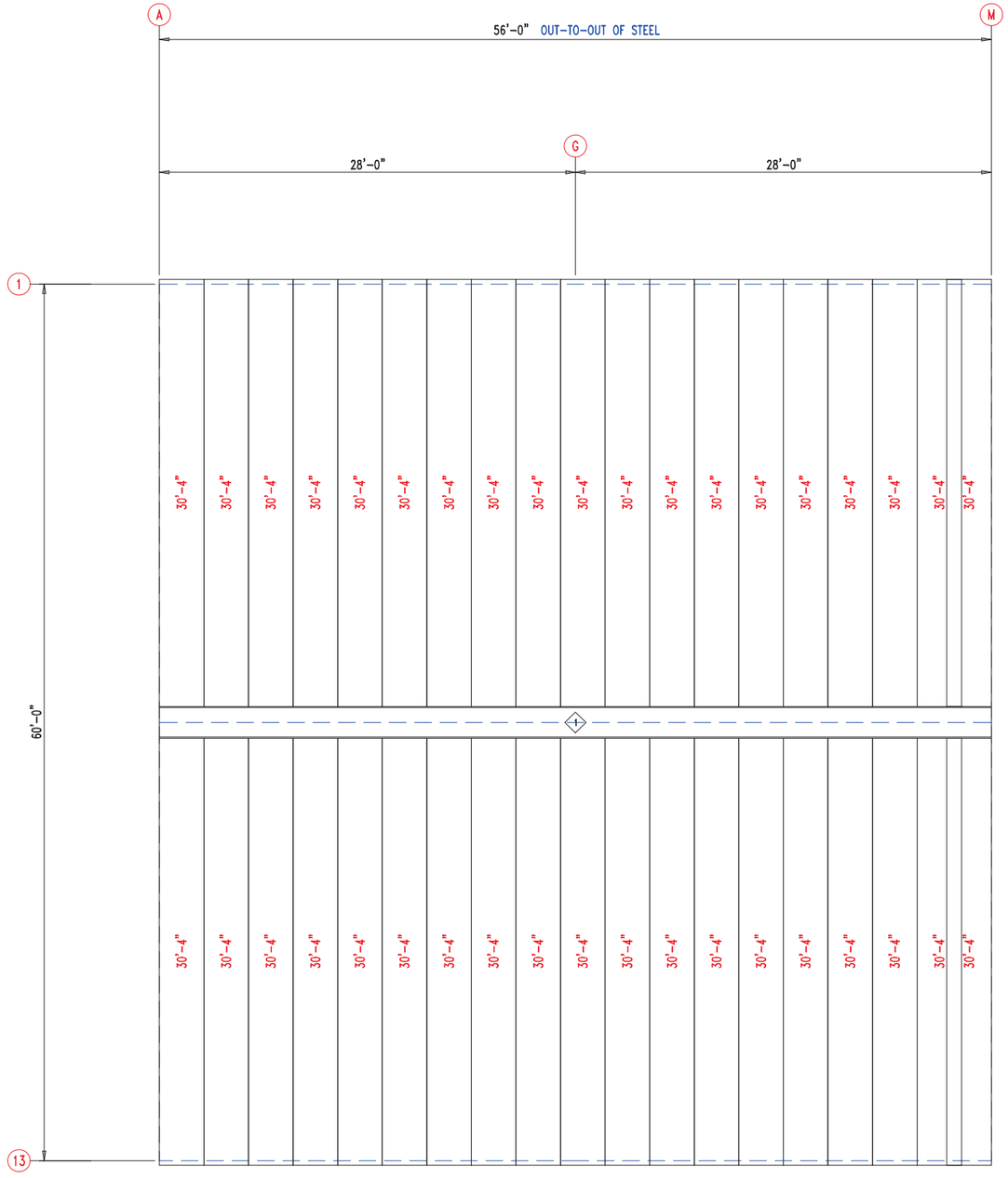
DRN. BY	CK'D BY	DATE	SCALE	REV.	QUOTATION NO.	SHEET NO.
JB		8/26/22	N.T.S.	00	17	8 OF 14

TRIM TABLE			
◇ID	PART	LENGTH	DETAIL
1	FL49	3'-0"	TRIM_320



ROOF SHEETING & TRIM

PANELS: 26 Ga. PR – Galvalume+ w/ Drip Stop

RICHARD K. JOYCE NUMBER PE-2003005438 SEP 09 2022
STATE OF MISSOURI ★ PROFESSIONAL ENGINEER ★

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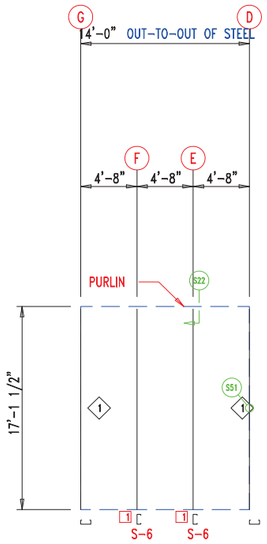
JB		8/26/22	N.T.S.	00	17	9 OF 14

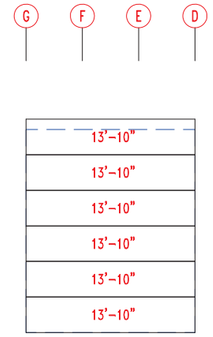
MEMBER TABLE		
MARK	PART	LENGTH
S-6	6X2C16	17'-1 1/2"

ANGLE TABLE		
◇ID	MARK	LENGTH
1	STUD	10'-0"

CONNECTION PLATES	
□ID	MARK/PART
1	BASECLIP

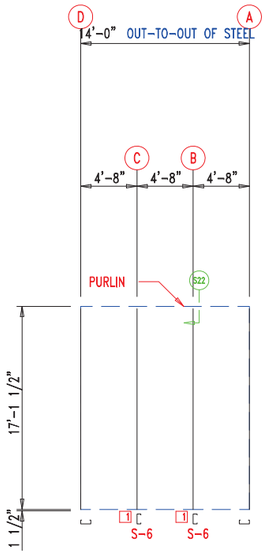


WALL FRAMING
FRAME LINE: 7 (Typ of 3)
GRID LINES: (D-M)

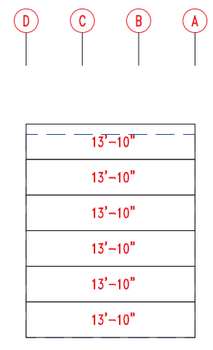


WALL SHEETING & TRIM
FRAME LINE: 7 (Typ of 3)
GRID LINES: (D-M)

PANELS: 29 Ga. PR - Galvalume +



WALL FRAMING
FRAME LINE: 7



WALL SHEETING & TRIM
FRAME LINE: 7

PANELS: 29 Ga. PR - Galvalume +

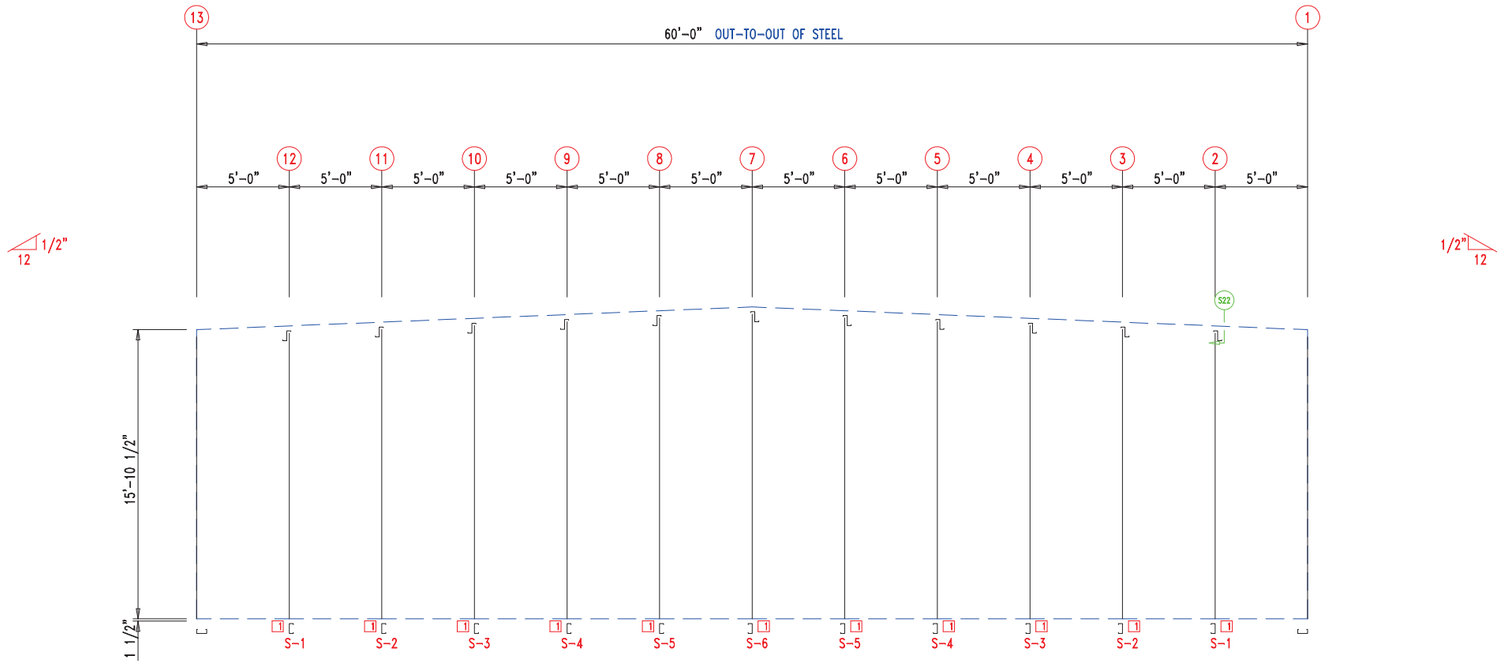
PELLA
BUILDING SYSTEMS

906 West 9th Street Pella, IA 50219
(800) 225-0481 www.pellabuildings.com

DESCRIPTION: PARTITION DRAWING						
CUSTOMER: MEGA Storage					PROJECT: Lee's Summit	
LOCATION: LEE'S SUMMIT						
DRN. BY	CK'D BY	DATE	SCALE	REV.	QUOTATION NO.	SHEET NO.
JB		8/26/22	N.T.S.	00	17	10 OF 14

MEMBER TABLE		
MARK	PART	LENGTH
S-1	6X2C16	16'-1"
S-2	6X2C16	16'-3 1/2"
S-3	6X2C16	16'-6"
S-4	6X2C16	16'-8 1/2"
S-5	6X2C16	16'-11"
S-6	6X2C16	17'-1 1/2"

CONNECTION PLATES	
☐ ID	MARK/PART
1	BASECLIP



WALL FRAMING FRAME LINE: (Typ of 3)

20'-0"	20'-1"	20'-0"
20'-0"	20'-1"	20'-0"
20'-0"	20'-1"	20'-0"
20'-0"	20'-1"	20'-0"
20'-0"	20'-1"	20'-0"
20'-0"	20'-1"	20'-0"

WALL SHEETING & TRIM FRAME LINE: (Typ of 3)

PANELS: 29 Ga. PR – Galvalume +

STATE OF MISSOURI
RICHARD K. JOYCE
NUMBER PE-2003005438
SEP 09 2022
PROFESSIONAL ENGINEER

PELLA BUILDING SYSTEMS

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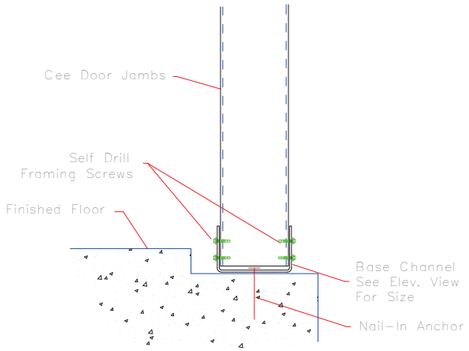
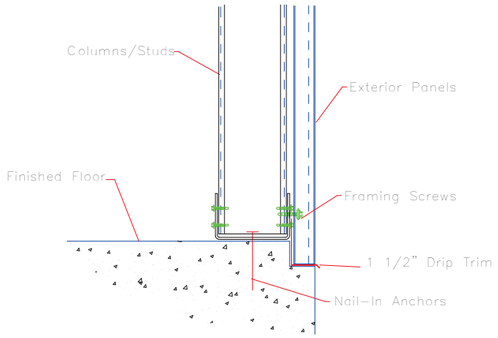
JB		8/26/22	N.T.S.	00	17	11 OF 14

(ELEVATION VIEW)



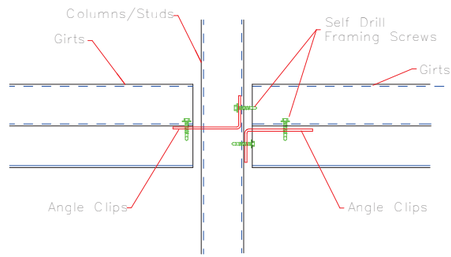
S2 BASE @ DOOR JAMB

(ELEVATION VIEW)



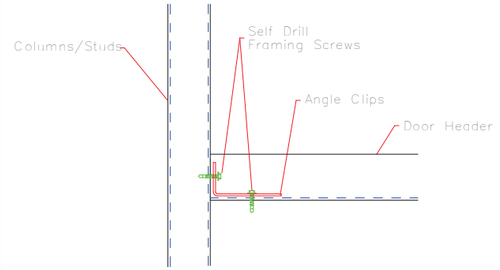
S4 COLUMN BASE @ SHEETED WALL

(ELEVATION VIEW)



S11 GIRT CONNECTION

(ELEVATION VIEW)



S12 DOOR HEADER TO JAMB

(ELEVATION VIEW)

S22 COLUMN TO PURLIN @ LAP

(ELEVATION VIEW)

S24 RAKE @ SHEETED ENDWALL

(ELEVATION VIEW)

S31 EAVE

(PLAN VIEW)

S51 PARTITION

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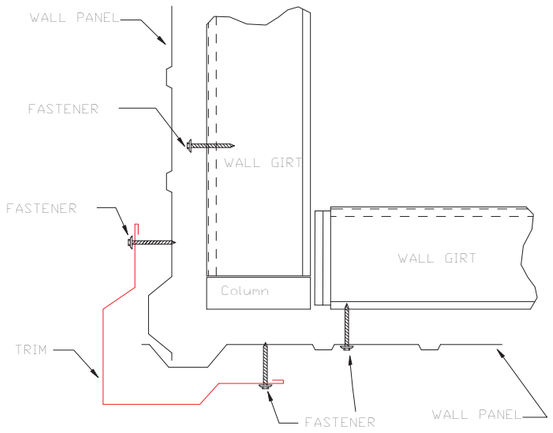
DESCRIPTION: DETAIL DRAWINGS

CUSTOMER: MEGA Storage | PROJECT: Lee's Summit

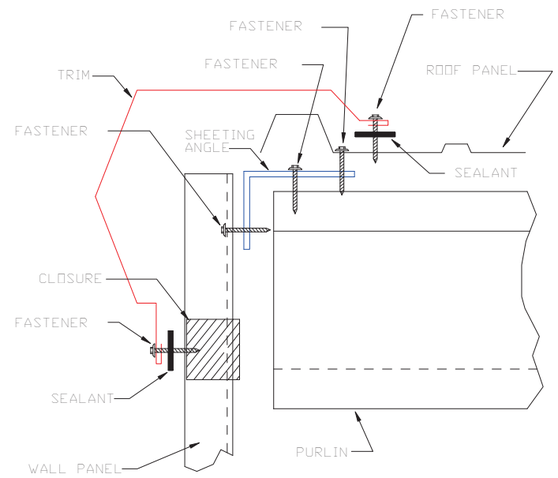
LOCATION: LEE'S SUMMIT

DRN. BY	CK'D BY	DATE	SCALE	REV.	QUOTATION NO.	SHEET NO.
JB		8/26/22	N.T.S.	00	17	12 OF 14



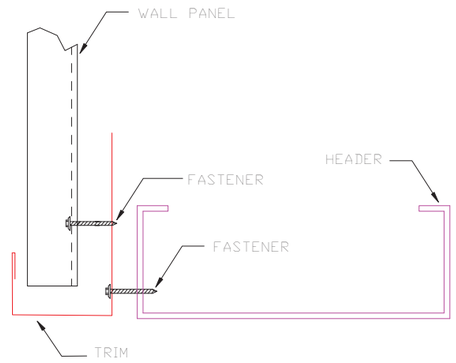
OUTSIDE CORNER

TRIM_198



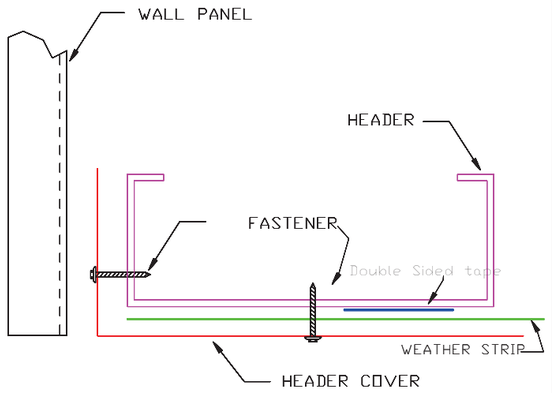
GABLE

TRIM_229



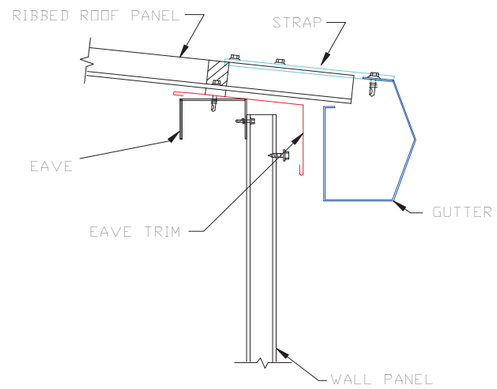
HEADER

TRIM_232



HEADER COVER

TRIM_235



GUTTER FLASHING

TRIM_317

PELLA
BUILDING SYSTEMS

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DESCRIPTION: DETAIL DRAWINGS

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LOCATION: LEE'S SUMMIT

DRN. BY	CK'D BY	DATE	SCALE	REV.	QUOTATION NO.	SHEET NO.
JB		8/26/22	N.T.S.	00	17	13 OF 14