

Butler Mfg. follows the guidelines as outlined in the AISC and HBMA Codes of Standard Practice. Butler Mfg. standard product specifications, design, fabrication, quality criteria shall govern all work unless stipulated otherwise in the contract documents. In case of discrepancies between Butler Mfg. structural plans and plans for other trades, Butler Mfg. structural plans shall govern.

Butler engineers are not Project Engineers or Engineer of Record for the overall project. Butler engineering supply sealed engineering design data and drawings for Butler supplied material as part of the overall project for use by others to obtain permits, approvals, and coordinate with other trades. All interface and/or compatibility of any materials not furnished by Butler are to be considered and coordinated by the builder or A/E firm.

The Builder is responsible for construction in strict accordance with Butler Mfg. "FOR CONSTRUCTION" drawings and all applicable product installation guides. Butler is not responsible for work done from any other Butler drawings that are not marked "FOR CONSTRUCTION", nor any drawings prepared by others.

The building erector shall be properly licensed and experienced in erecting metal building systems. The Builder is responsible for having knowledge of, and shall comply with, all OSHA requirements and all other governing site safety criteria. The builder is responsible for designing, supplying, locating and installing temporary supports and bracing during erection of the building. Butler bracing is designed for code required loads after building completion and shall not be considered as adequate erection bracing. See Erection Guide.

Butler must be advised of any structure that is within 20 ft. of Butler's building. Load effects from snow drifting, wind effects, and seismic separation must be considered for both the new and existing structures. Butler has designed the new Butler building for these effects. The owner/builder are responsible for employing a Professional Engineer to review and verify the existing structure for all load effects from the adjacent Butler building.

Tension brace rods work in pairs to balance forces caused by initial tensioning. Care must be taken while tightening brace rods so as not to cause accidental or misaligning of components. All rods must be installed loose and then tightened. Rods should not exhibit excessive sag. For long or heavy rods, or angles it may be necessary to support the rods at mid-bay by suspending them from secondary members.

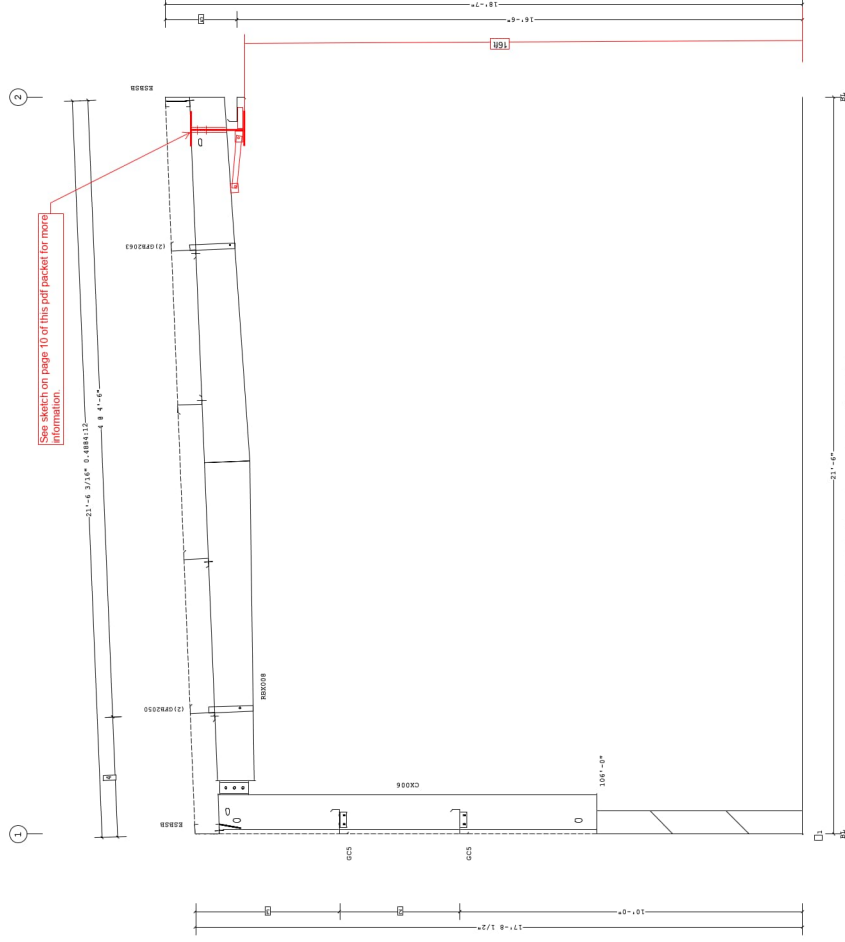
All field welding shall be done at the direction of a design professional, and done in accordance with governing requirements (AWS in USA, CWB in Canada), by welders qualified to perform the welding as directed by the applicable welding procedure specification (WPS). A WPS shall be prepared by the contractor for each welding variation specified. The contractor is responsible for any special welding inspection as required by local jurisdiction. Filler metal shall be 70/13 (480 MPa) tensile strength. For welds in high seismic force resisting system (Seismic Cat. D or F), minimum Charpy V-notch toughness shall meet AISC-341 criteria (20 C ft-lb in / 100 deg F). Minimum temperatures shall not exceed 5500 deg F (3000 deg C).

The engineer responsible for the design of the wall system is responsible for coordinating with, or specifying to Butler Mfg, any wall to steel compatibility issues such as drift and deflection compatibility, special base details, and wall to Butler steel connections. All fasteners, sealant and counter flashing of wall systems are to be provided by contractor. The engineer responsible for the wall shall design the anchorage to Butler supporting elements consistent with Code required forces.

USA-AZC-5589-E, AZW822225-0; AR5676; FLR30427; GAWPFF077551; IDMC-2470; IL184-002649; KSF-E-23; KY44490; LNW40532; MSIE-0592; MOKEA44170PE; RUM838; SC-M6206; SDMC-1779P; NIJ242GA28318800; NIJ243037; OHRO5898; OHKFA44170PE; RUM838; SC-M6206; SDMC-1779P; TXFF-4828; VA0011101520; VA0001101518; NIJ030359-0
CAN-AB10750800; NSBIF0951; NLJ00044; NS53031044; NS13031044; YTPRP062; ONH01048796; and YTPRP134

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	THE BUTLER MFG. ENGINEER'S SEAL, DOES NOT APPLY TO THE PERFORMANCE OR COMPLETION OF THIS PROJECT. ANY REQUIREMENTS FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.	NEW	DATE	BY	DESCRIPTION	BUILDER	MAR Building Solutions	DATE 2/15/2024
DRAWING SCALE: _____								
NTS								
BUTLER Manufacturing								
ETH / JRM								
PAGE: 3								
VPR, VERSION: 24.1.1								





5	2^1-1^n
4	3^1-6
3	4^1-2
2	3^1-6^n
1	1

☐ Dimension Key

1. USE 1/2 X 1 1/2 A325T BOLT (40080) AND NUT (47120) W/ WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
2. SLIP REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE W/ER AS THE H/LSIDE WASHER.

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Shape Name = Alternate 3 ADDITION Wall 2, Frame 2
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Chen, M. - A House of 2 Addition 10-11 2 Pages 2

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ERECTING THE BUILDING DESCRIBED IN THE
BE REPRODUCED ONLY FOR THAT PURPOSE. IT
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ELY RESPONSIBLE FOR ACCURATE
LOADING IN ACCORDANCE WITH THIS
ALL APPLICABLE BUTLER MFG.
TRAINING TO PROPER ERECTION,
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102
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REV	DATE	BY	DESCRIPTION

DRAWING SCALE: **NOT**

PERMIT SET- For Building Dept. Approval

FRAME CROSS SECTION AT FRAME LINE(S)

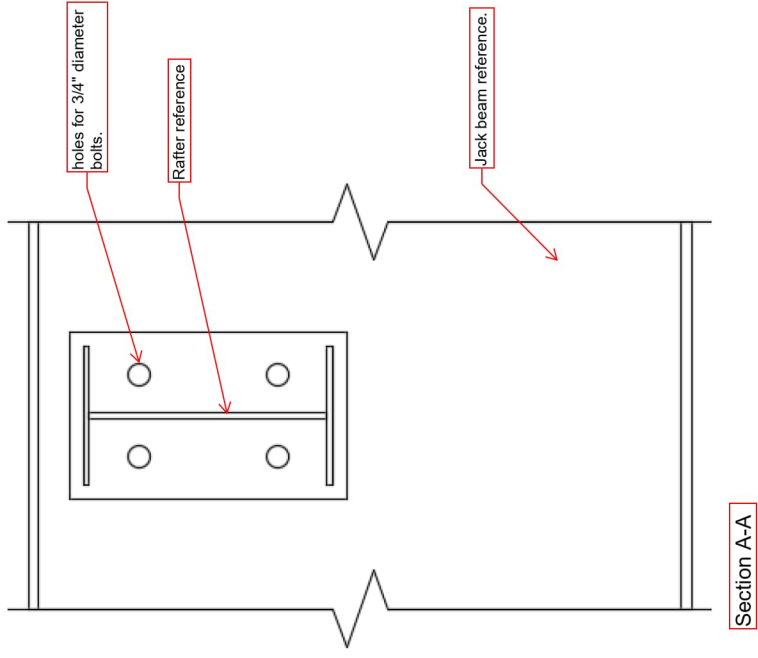
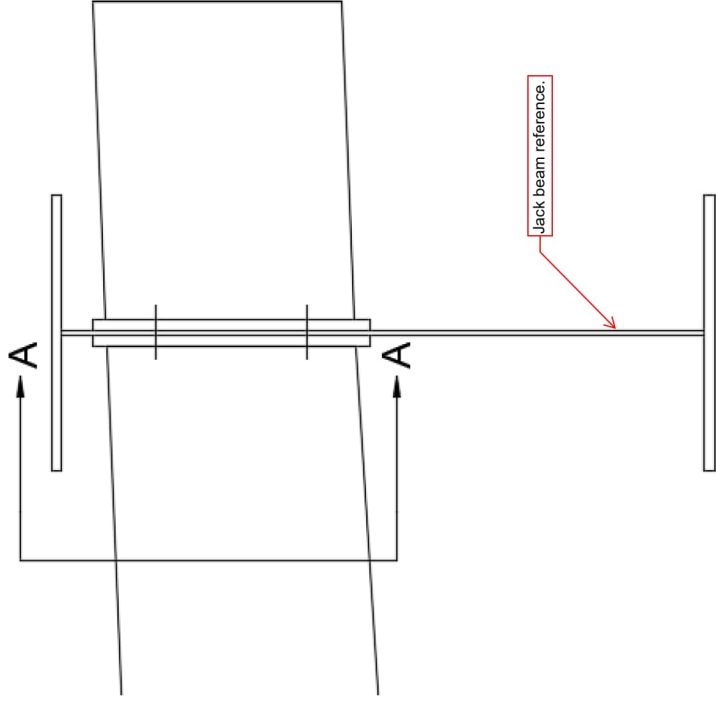
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CUSTOMER:	
LOCATION:	Lees Summit, Missouri
PROJECT:	LSMO Water Utilities
DESIGNER:	

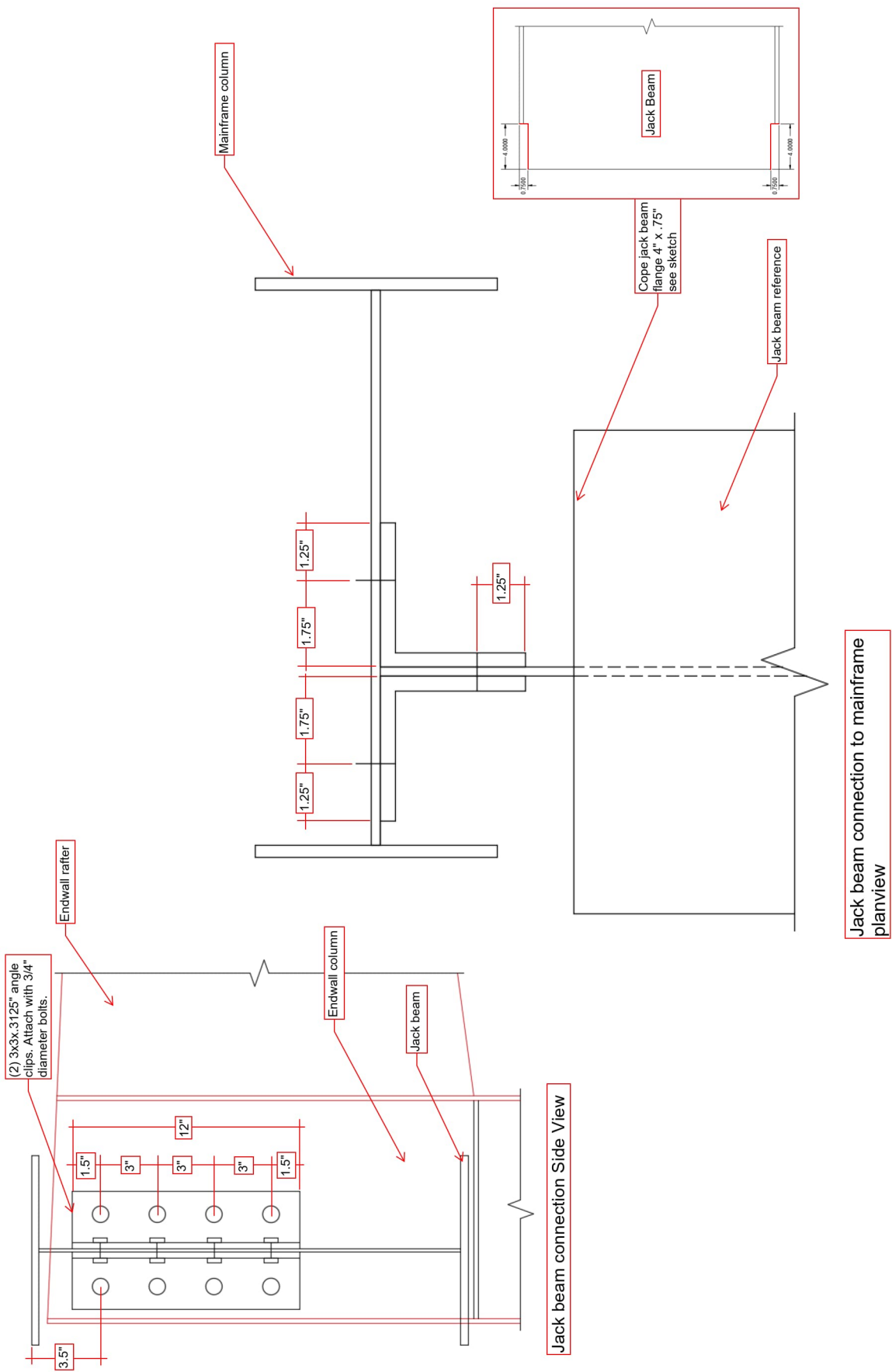


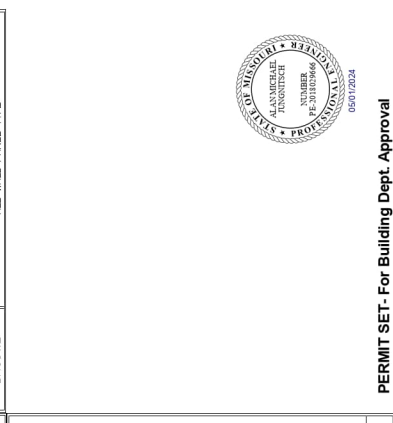
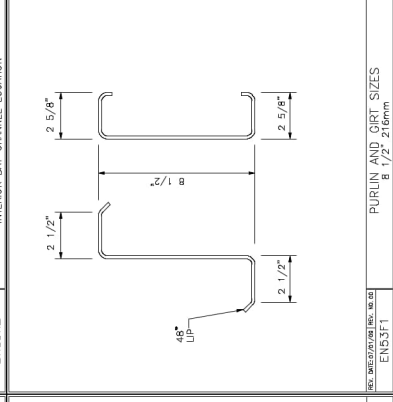
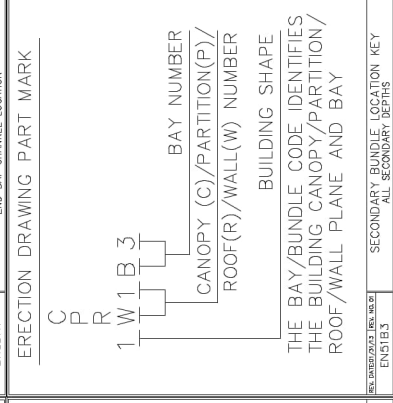
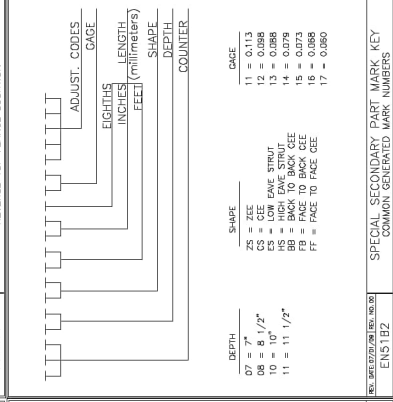
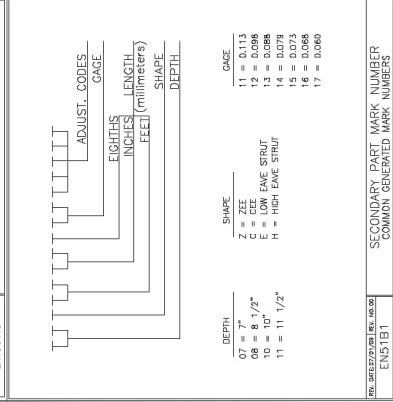
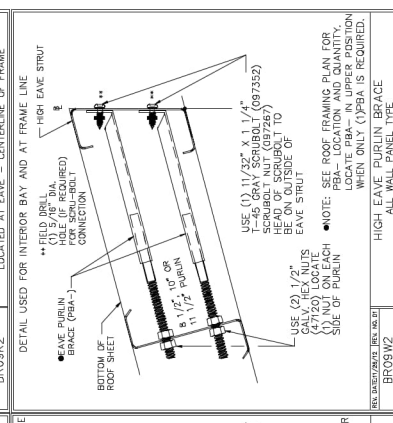
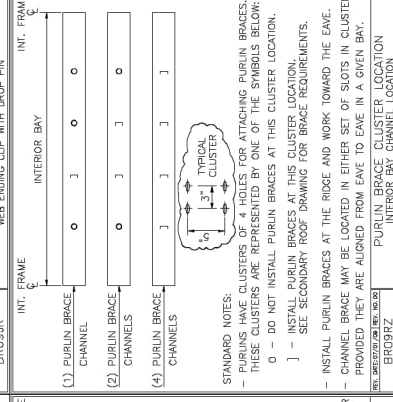
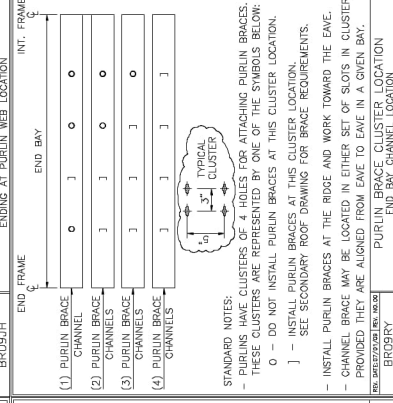
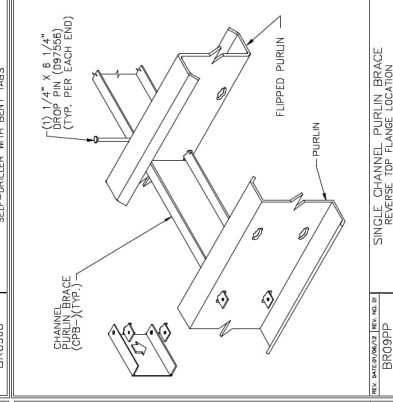
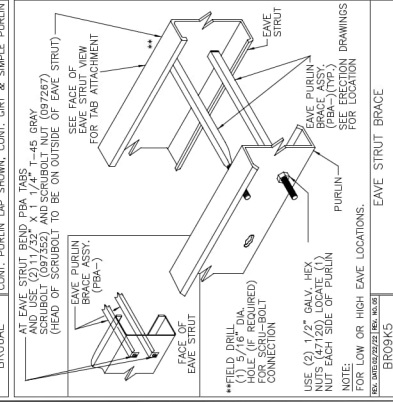
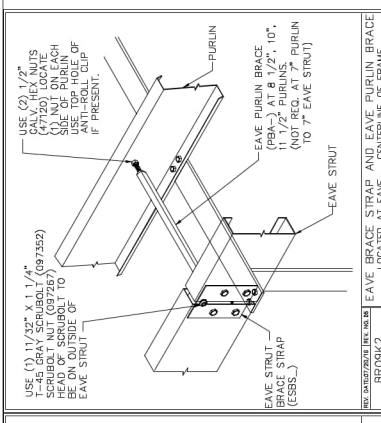
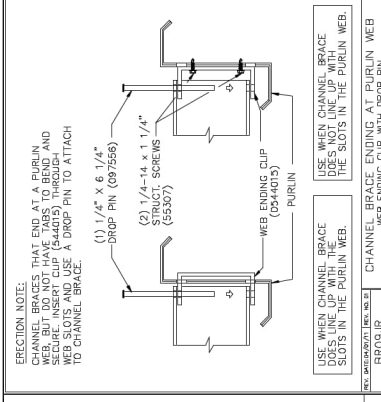
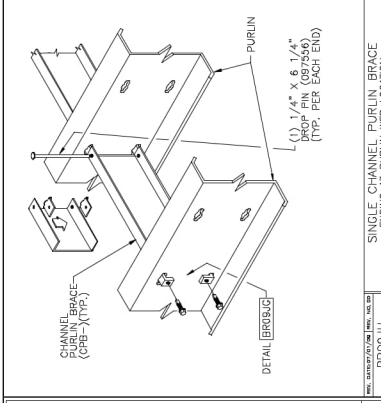
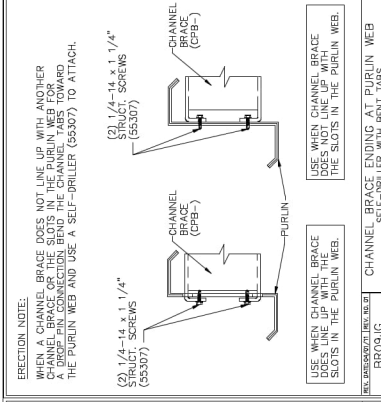
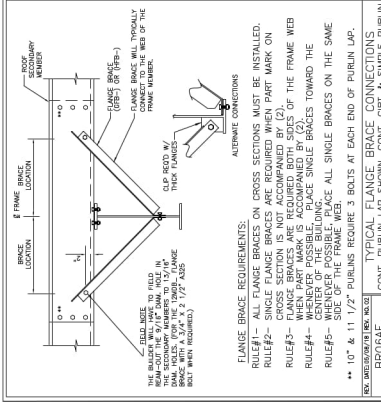
BUTLER
Butler Manufacturing
LAND • MATERIALS • LOGISTICS



021011000







1. UNLESS NOTED, USE 1/2 X 1/2 A325 BOLT (4080) AND NUT (47120)
2. WASHERS, SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
3. LARGE PLACES ARE INTEGRAL PART OF THE STABILITY OF THE STRUCTURE AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.
3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

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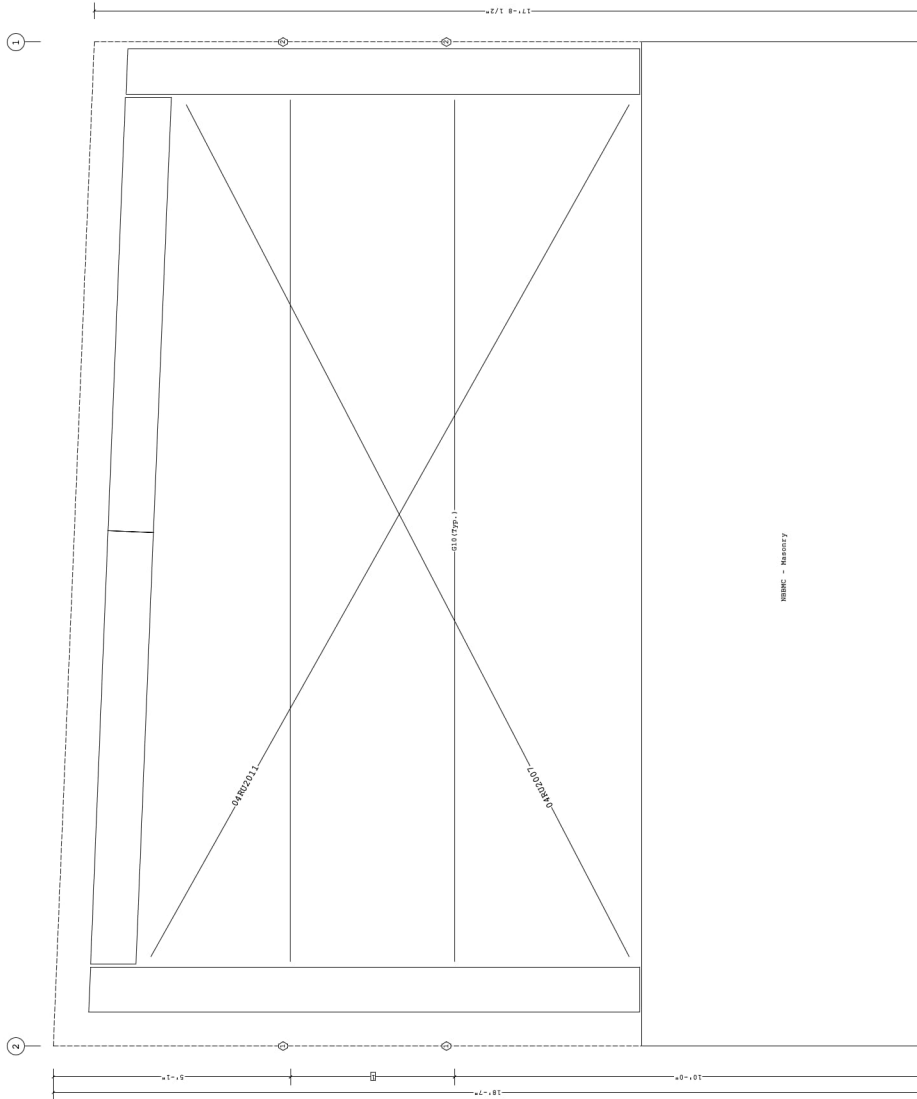
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BUTLER MANUFACTURING 1540 GENESSEE ST KANSAS CITY, MO 64102		ROOM	
DATE:	BY:	DESCRIPTION:	BUILDER:
			CUSTOMER:
			LOCATION:
(NO SCALE)		PROJECT:	
NTS		BUILDERS PO:	

F SECONDARY SED'S (a)	IMAR Building Solutions		JRM # 24-007796-01 DATE: 1/19/2024 DRAWING CODE ETH / JRM 12 PAGE
	Lees Summit, Missouri		
	LSMO Water Utilities		
	LSMO		

Secondary Part Schedule
Mark Part Thick. Depth Lap
G10 0050828180531100 0.1130 8 1/2"

Detail
MS1286, MSR065, BRR052, WSR004



Bracing Part Schedule
Part Key Thick. Depth
04802007 1 20'-7" BRR0281
04802011 1 20'-11" BRR0281

1 3'-6" 2 GFA200
1 GFA208
Dimension Key Part Mark Key

- UNLESS NOTED, USE 1/2 X 1/2 A307 BOLT (4090) AND NUT (47130)
- NO WASHERS, SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
- FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURE AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEET.
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REV	DATE	BY	DESCRIPTION

BUTLER MANUFACTURING	
1540 GENESSEE ST. KANSAS CITY, MO 64102	
BUILDER	MAR Building Solutions
CUSTOMER	Lawes Summit, Missouri
LOCATION	LSMO Water Utilities
PRODUCT	Butler Manufacturing
DATE	24/07/2024
ETH	16
FILE NAME	2407786-01



PERMIT SET - For Building Dept. Approval

WALL SECONDARY ELEVATION WALL 3	
BUTLER MANUFACTURING	
1540 GENESSEE ST. KANSAS CITY, MO 64102	
BUILDER	MAR Building Solutions
CUSTOMER	Lawes Summit, Missouri
LOCATION	LSMO Water Utilities
PRODUCT	Butler Manufacturing
DATE	24/07/2024
ETH	16
FILE NAME	2407786-01

Secondary Part Schedule
Main Part 082400511AB00 Thick. 0.1130 Depth 8 1/2" Lap
Detail MS12B6, MSR004

1

10'-6"
18'-7"
10'-6"
18'-7"

Open

10'-6"

18'-7"

10'-6"

18'-7"

SECONDARY ELEVATION AT 2



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BUTLER MANUFACTURING				SECONDARY ELEVATION AT 2			
1540 GENESSEE ST. KANSAS CITY, MO 64102				BUTLER MANUFACTURING			
REV	DATE	BY	DESCRIPTION	BUILDER	MAR Building Solutions	DATE	24/07/26-01
				CUSTOMER	Lars Summit, Missouri	DATE	21/02/24
				LOCATION	LSMO Water Utilities	DATE	ETH / JRM
				PRODUCT	LSMO Water Utilities	DATE	ETH / JRM
				BUILDERS FOR		DATE	17
DRAWING SCALE: NTS				BUTLER MANUFACTURING			
10/12/24				BUTLER MANUFACTURING			
5/10/24				BUTLER MANUFACTURING			

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- NO WASHERS, SHUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
- FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURE. THEY MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEET.
- REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

[illegible]

1

2

Opening 2

17'-8 1/2"

41'-10"

COVERING ELEVATION AT D

21'-6"

1. PRE-DRILLING 1/8" DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S, AND/OR FASTENERS TO STRUCTURAL BEAMS

2. FIELD CUTTING SHALL BE IN ACCORDANCE WITH THE STRUCTURAL SYSTEM REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED

3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS

4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION

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Shape Name = Alternate 3 Addition, Wall = 1

REV

DATE

DESCRIPTION

COVERING ELEVATION AT D

1540 GENESSEE ST. KANSAS CITY, MO 64102

PERMIT SET - For Building Dept. Approval

COVERING ELEVATION AT D

BUILDER

CUSTOMER

LOCATION

PRODUCT

BUILDERS FOR

24407786-01

3/18/2024

ETH

20

ALAN MICHAEL
REGISTERED
PROFESSIONAL
ENGINEER

05/07/2024

BUTLER

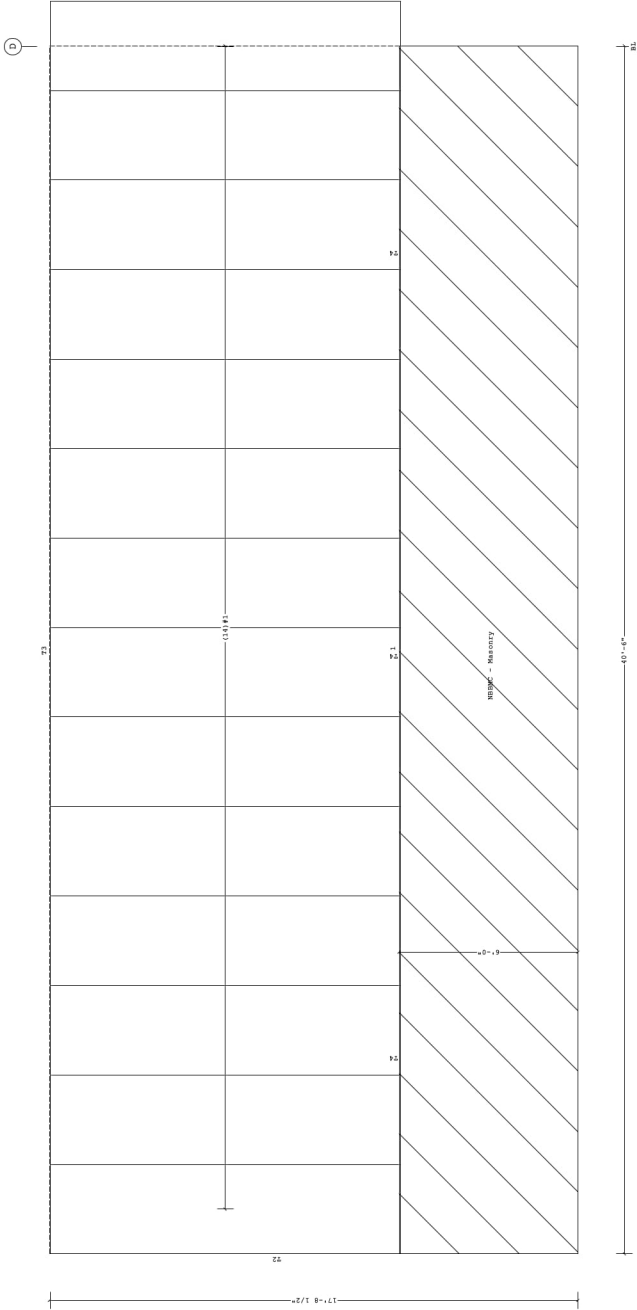
Butler Manufacturing

VPC VERSION: 24.1.1

1313.26

5/1/2024

Covering Schedule				
Id	Qty	Start Length	Gage	OP Fin. Color
#1 14 SHU	11'-8 3/4"	26	3	X 02
Oper. Code: 3-CQ, SQ				
Color: 02-LSMO PRINTER				
Trim Schedule				
Id	Part	Start Length	Gage	OP Fin. Color
T1	(2.7) 962415, (3.5) BT12A			Special Color 3
T2	(2) 1620163, SHCCT12			Special Color 3
T3	(4) CLE12C, (2) OFR25, (3.5) SHC112			Special Color 3
T4	0008738, (2) 4CE45, 4CE75, (2) CF410			Special Color 3
Details				
ENB006, GV386, GV443, NV115, NV120, NV128, NV130, NV135, NV143, NV164, WCB082, WCB083, WCB085, NV118, NV119, NV133, NV134				
EN60B1, EN60C1, EN60D1, NV252, NV110, NV116, NV131				
KV816				



Fastener Schedule

Part	Description
0097365SR	(T-3) #12-14 x 1 1/4", T-30 Torx Hd w/Washer
0097345SR	(T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Plasograph Schedule

Id	Details
T1	P-081180, P-081189, P-081505
T2	P-081180, P-081189, P-081505
T3	P-081189, P-103223, P-103315, P-104714
T4	P-105224, P-105225, P-105228

VP: FILENAME: 24407786-1

05/01/2024

PERMIT SET - For Building Dept. Approval

COVERING ELEVATION AT 1

1540 GENESSEE ST. KANSAS CITY, MO 64102

DATE: 05/01/2024

REV: 1

Shape Name = Alternate 3 ADDITION, Wall = 2

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1. PRE-DRILLING 1/4" DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS

2. THE BUTLER MFG. ENGINEER'S SEAL APPLIES TO THE STRUCTURAL SYSTEM REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.

3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.

4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

BUTLER

Butler Manufacturing

VP: VERSION: 24.1.1

DATE: 05/01/2024

FILE: 24407786-01

ETH / JRM

PAGE: 21

