As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025 GENERAL NOTES



a division of BlueScope Buildings North America, Inc.

DRAWING IND	EX	D	RAWING RELEASE	HISTORY
DRAWING TITLE	PAGES	TYPE	DATE	DESCRIPTION
COVER SHEET	1	Anchor Rod Drawings Rev0	12/13/2024	FOR CONSTRUCTION
CODES AND LOADS	2	Final Erection Drawings Rev0	1/14/2024	FOR CONSTRUCTION
NOTES	3-3a			
ANCHOR ROD PLAN	4			
PRIMARY STRUCTURAL	5-19			
SECONDARY STRUCTURAL	20-28			
COVERING	29-35			
SPECIAL DRAWINGS				
STANDARD ERECTION DETAILS				
PLANOGRAPH DETAILS				

BASIC BUILDING INSTALLATION GUIDE 3586 MR-24 ROOF INSTALLATION GUIDE 4797

ROOF OWNERS MAINTENANCE 5038

Contact Information:				
Project Manager Designer Lead Detailer	Mark Williams	(816)	968-4773	
Designer	Shadrach Rubio-Pelayo	(479)	857-2248	
Lead Detailer	Leticia Mortera	(816)	968-3350	ext.2321
Construction Consultant	Ray Nagiewicz	(816)	582-3185	

### MATERIALS

3 PLATE WELDED SECTIONS COLD FORMED LIGHT GAGE SHAPES BRACE RODS HOT ROLLED MILL SHAPES

HOT ROLLED ANGLES
HOLLOW STRUCTURAL SECTION (HSS)
CLADDING A500 A653, A792

A529, A572, A1011, A1018 A653, A1011 A572, A510 A36, A529, A572, A588, A992 A529, A572, A588, A992

ASTM DESIGNATION

GRADE 55 GRADE 50 GRADE 50 GRADE 36 OR 50

### HIGH STRENGTH BOLT TIGHTENING REQUIREMENTS

IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE REGULATIONS. SEE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS FOR MORE INFORMATION. SEE ERECTION GUIDE FOR BOLT TIGHTNENING INSTRUCTIONS. THE FOLLOWING CRITERIN AVE BUSED TO DETERMINE THE BOLT TIGHTNESS (JE. SING) THAT OR PRE-TESISION UNLESS REQUIRED OTHERWISE BY LOCAL JURISDICTION OR

ALL A490 BOLTS SHALL BE "PRE-TENSIONED". A325 BOLTS IN PRIMARY FRAMING AND BRACING CONNECTIONS MAY BE "SNUG-TIGHT" EXCEPT AS FOLLOWS;

PRE-TENSION A325 BOLTS IF BUILDING SUPPORTS A CRANE GREATER THAN 5 TON CAPACITY.

PRE-TENSION A225 BOLTS IF BUILDING SUPPORTS MACHINERY THAT CREATES VIBRATION, IMPACT, OR STRESS REVERSALS ON CONNECTIONS.

PRE-TENSION A325 BOLTS IF LOCATED IN HIGH SEISMIC AREAS. FOR IBC BASED CODES: HIGH SEISMIC IS DESIGN CATEGORY D, E OR F. SEE CODES AND LOADS SECTION BELOW FOR DETAILS.

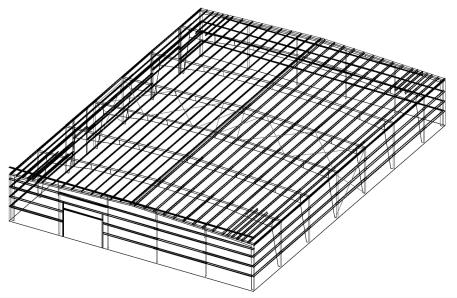
PRE-TENSION ANY CONNECTION WITH DESIGNATION A225-SC. SUP CRITICAL (SC) CONNECTIONS MUST BE FREE OF PAINT, OIL OR OTHER MATERIALS THAT REDUCE FRICTION AT CONTACT SURFACES. GALVANIZED OR LIGHTLY RISTED SURFACES ARE ACCEPTABLE.

IN CANADA, ALL A225 AND A490 BOLTS SHALL BE "PRE-TENSIONED", EXCEPT FOR SECONDARY MEMBERS AND FLANGE BRACES.

SECONDARY MEMBERS AND FLANGE BRACE CONNECTIONS ARE ALWAYS "SNUG TIGHT", UNLESS INDICATED OTHERWISE IN ERECTION DRAWING DETAILS.

### INSPECTION AND TESTING

SPECIAL INSPECTIONS AND TESTING REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ) DURING CONSTRUCTION AND/OR STEEL.
FABRICATION IS THE RESPONSIBILITY OF THE OWNER OR OWNERS AUTHORIZED AGENT. WHEN REQUIRED, THE OWNER SHALL EMPLOY A
QUALITY ASSURANCE AGENCY (GAA) APPROVED BY THE AHI. THE BUILDER IS RESPONSIBLE TO COORDINATE DETWEEN THE GAA FIRM AND
BRIAK ABBICATION FACILITIES. THE TYPE AND EXTENT OF SPECIAL INSPECTIONS AND NOT WELD TESTING MUST BE SPECIFICALLY
STPULATED IN CONTRACT DOCUMENTS OR BRISH WILL ASSURE SPECIAL INSPECTIONS AND NOT WELD TESTING MUST BE SPECIFICALLY BY THE BUILDING CODE BASED ON BBNA FACILITIES IAS AC472 ACCREDITATION.



copy. 2025.01.09.12:51:58-06\

01/09/2025

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.
THE BUTLER MFG. ENGINEER'S SEAL DOES
NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE

THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER MFG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE THE GENERAL CONTROL TOR ABUINC ENECT ON THE SELF RESPONSIBLE FOR ACCUR-GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH TO DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ESECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLIDING THE CORRECT USE OF TEMPORARY BRACING.

BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102

D

COVER SHEET

Reviewed For Construction PG 1-35 on 1/9/2025 by SR

BUILDER: MAR BUILDING SOLUTIONS LLC OCATION: Lees Summit Missouri PROJECT: KR Wholesale Butler Manufacturing BUILDER'S PO#: 200440709

24-025448-01 BUTLER 1/14/2024 LDCM GL PAGE:

REQUIREMENTS SPECIFIED BY BUTLER. VPC FILENAME: 24-025448-0

VPC VERSION: 24.3.1

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri

03/03/2025 Snow Buildup COORS AND LOADS AND LOADS ARE INVOLVED, SPECIFIC LOAD FACTORS FOR DIFFERING OCCUPANCIES, BUILDING DIMENSIONS, HEIGHTS, FRANKING SYSTEMS, ROOF SLOPES, ETC., MAY RESULT IN DIFFERENT LOAD APPLICATION FACTORS THAN INDICATED BELOW. SEE CALCULATIONS FOR PURTHER OFFAILS. WIND LOADS ARE APPLIED TO OVERALL BUILDING ENVELOPE. COMMON WALLS BETWEEN CONNECTED SHAPES ARE NOT SUBJECT TO EXTERNAL WIND LOADS. Shape Building - Shape 1 Description
Unbalanced Snow Load 1, Shifted Left : Roof: A Y Locat 32.6 ft 0.0 ft 0.0 ft 0.0 ft 0.0 ft 170.0 ft 8.4 psf 8.4 psf 8.4 psf 8.4 psf 8.4 psf 39.0 psf 39.0 psf 0.0 psf 0.0 psf 24.6 psf 24.6 psf State: Missouri City: Lees Summit County: Jackson Country: United States 170.0 ft 32.6 ft 62.6 ft 41.7 ft 41.7 ft 62.6 ft Building - Shape 1 Roof: A Snow Drift (from Wall 1, Shape Building - Shape 1) (1 of 3) : Roof: A Building Code: IBC 2018 Structural: 16AISC - ASD Rainfall: I: 3.00 inches per hour Cold Form: 16AISI - ASD f'c: 3000.00 psi Concrete Based on Building Code: 2018 International Building Code Building Risk/Occupancy Category: II (Standard Occupancy Structure) Snow Drift (from Wall 1, Shape Building - Shape 1) (2 of 3) : Roof: A Building - Shape 1 Roof: A 0.0 ft 0.0 ft 41.7 ft 20.9 ft Dead and Collateral Loads Material Dead Weight Roof Covering + Second. Dead Load: 2.26 psf Frame Weight (assumed for seismic):2.50 psf Roof Live Load 20.9 ft 41.7 ft 20.9 ft 0.0 psf 0.0 psf 10.2 psf 10.2 psf 10.2 psf 10.0 psf 10.0 psf 8.4 psf 8.4 psf 8.4 psf 10.2 psf 10.2 psf 10.0 psf 0.0 psf Collateral Gravity: 5.00 psf Collateral Uplift: 0.00 psf Roof Live Load: 20.00 psf Reducible Building - Shape 1 Roof: A Snow Drift (from Wall 1, Shape Building - Shape 1) (3 of 3) : Roof: A 0.0 ft 0.0 ft 3.4 ft 0.0 ft 170.0 ft 170.0 ft Wind Load
Wind Speed: Vult: 115.00 (Veed: 89.08) mph
The 'Develope Procedure' is Used
Primaries Wind Exposure: C - Kei: 0.936
Parts Wind Exposure Factor: 0.936
Wind Enclosure: Enclosed
Topographic Factor: Kei: 1.0000
Ground Elevation Factor: Kei: 1.0000 Seismic Load
Lateral Force Resisting Systems using Equivalent Force Procedure
Mapped MCE Acceleration: Ss: 12.00 %g
Mapped MCE Acceleration: Sl: 6.00 %g
Stic Class: Stiff soil (D) - Default
Seismic Importance: Ic: 1.000
Design Acceleration Parameter: Sd: 0.1280
Design Acceleration Parameter: Sd: 0.0960 0.0 ft 0.0 ft Snow Load Ground Snow Load: pg: 20.00 psf Flat Roof Snow: pf: 14.00 psf Design Snow (Sloped): ps: 14.00 psf Rain Surcharge: 0.00 psf Specified Minimum Roof Snow: 20.00 psf (Code) 20.9 ft 32.6 ft 0.0 ft 0.0 ft 32.6 ft Building - Shape 1 Roof: B Unbalanced Snow Load 1, Shifted Right : Roof: B Exposure Factor: 2 Partially Exposed - Ce: 1.00 Snow Importance: Is: 1.000 Snow Drift (from Wall 1, Shape Building - Shape 1) (1 of 3) : Roof: B Building - Shape 1 Roof: B 170.0 ft 0.0 ft snow importance: Is: 1.000 Thermal Factor: Heated - Ct: 1.00 Ground / Roof Conversion: 0.70 Obstructed or Not Slippery 170.0 ft 20.9 ft Design Acceleration Parameter: Seismic Design Category: B Seismic Snow Load: 0.00 psf % Snow Used in Seismic: 0.00 Diaphragm Condition: Flexible 20.9 ft 0.0 ft 20.9 ft 41.7 ft 41.7 ft 166.6 ft NOT Windborne Debris Region Base Elevation: 0/0/0 Site Elevation: 0.0 ft 166.6 ft 166.6 ft 170.0 ft 170.0 ft 162.6 ft Snow Drift (from Wall 1, Shape Building - Shape 1) (2 of 3) : Roof: B alte Llewation: U.U tt
Primary Zone Strip Width: 2a: 19/1/3
Parts / Portions Zone Strip Width:
Walls, a: 9/6/10
Roof(s), 0.6h: 14/3/14
Velocity Pressure: qz: 26.94, (C&C) 26.94 psf Fundamental Period Height Used: 25/2/2 20.9 ft 41.7 ft 62.6 ft 62.6 ft 162.6 ft 170.0 ft Transverse Direction Parameters Building - Shape 1 Roof: B Snow Drift (from Wall 1, Shape Building - Shape 1) (3 of 3) : Roof: B Transverse Direction Farameters System NOT detailed for Seismic Redundancy Factor: Rho: 1.00 Fundamental Period: Ta: 0.3698 158.6 ft Load Notes R-Factor: 3.00 1. The Snow Buildup loading shown is in addition to the flat or sloped roof snow. Collateral Load Description - Lights HVAC, mics Overstrength Factor: Omega: 2.50 Deflection Amplification Factor: Cd: 3.00 Base Shear: V: 0.0427 x W 2. The X and Y Location dimensions are from the point of origin of each surface. Longitudinal Direction Parameters System NOT detailed for Seismic Redundancy Factor: Rho: 1.00 Redundancy Factor: Rho: 1.00 Fundamental Period: Ta: 0.2248 R-Factor: 3.00 Overstrength Factor: Omega: 2.50 Deflection Amplification Factor: Cd: 3.00 Base Shear: V: 0.0427 x W Building - Shape 1 Roof: B Building - Shape 1 Roof: A 01/09/2025 FOR CONSTRUCTION THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER BUTI FR MANUFACTURING D 1540 GENESSEE ST. KANSAS CITY, MO 64102 CODES AND LOADS APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.
THE BUTLER MFG. ENGINEER'S SEAL DOES
NOT APPLY TO THE PERFORMANCE OR MAR BUILDING SOLUTIONS LLC PRIOR WRITTEN APPROVAL OF BUTLER MFG. 24-025448-01 THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE THE GENERAL CURT INCLUDE AND THE RECTING THIS BUILDING IN ACCORDANCE WITH THIS DOWNING. THE ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. EBECTION GUIDES, AND INQUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING. BUTLER 12/13/2024 DESIGN OF ANY OTHER PRODUCT OR LOCATION: Lees Summit Missouri COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE SR PAGE: PROJECT: KP Wholesale Butler Manufacturing REQUIREMENTS SPECIFIED BY BUTLER. DRAWING SCALE NTS BUILDER'S PO#: 200440709 VPC VERSION: 24.3.1 2

As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025

#### BUILDER/CONTRACTOR RESPONSIBILITIES

Butler Mfg, follows the guidelines as outlined in the AISC and MBMA Codes of Standard Practice. Butler Mfg, standard product specification, 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.

It is the responsibility of the Builder to obtain approvals and permits from all governing agencies and jurisdictions as required. Approval of Butter Mfg drawings constitutes the builders acceptance of Butter interpretation of the contract purchase order. Unless specific design criteria concerning interface design and details are furnished as part of the contract, Butter Mfg, design assumptions 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 APE firm.

#### CONSTRUCTION & ERECTION RESPONSIBILITY

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.

As erected field assemblies of members shall be as specified in MBMA Code of Standard Practice (in Canada - CSA 516), which require LS00 tolerance of installed members. Occasional field work including shimming, cutting, coping, and drilling for final fit-up are considered part of erection. Specified field work and field welding conditions indicated on these drawings shall also be included in the erectors scope of work. See Erection Guide for shimming procedure. For building with top riding bridge cranes see Crane Data drawing for column plumb tolerance.

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 Frection Guide.

Shimming of steel buildings during erection may be required to accomodate allowable tolerances during fabrication and erection. Special care should be taken by the building erector to shim connections where key dimensions must be maintained for building performance as even small tolerances can have a significant impact on critical dimensions such as height, clearances and plumbness, especially as the size of the member or building increases. Conditions where shimming should be expected can include but are not limited to large door openings, critical clear height requirements, cranes, buildings greater than 45 feet in height, clear spans greater than 125 feet and adjacent frames with different characteristics (like clear span frames adjacent from a endowall or modular frame). Shims are normally provided by the erector, but may be ordered upon request by contacting your Project Manager.

#### EXISTING STRUCTURES

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.

#### BRACING

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 misalignment 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.

Bracing for seismic or wind loading of objects or equipment that are not a part of the Butler structure must be designed by a qualified professional to deliver lateral loads to primary frames and rod bracing struts. Equipment bracing and suspension connections must not impose torsion or minor axis loads, or cause local distortion in any Butler components. Butler accepts no responsibility for design or installation of bracing systems not furnished by Butler.

#### FIELD WELDING

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. Filter metal shall be 70 ksi (480 MPs) tensile strength. For welds in high selsmic force resisting system (Seismic Cat D, E or F), minimum Charpy V-Notch toughness shall mest AWSC-341 criteria (20 ft-bis min @ 000 F). Interpress temperatures shall not exceed 5500e F (3000ec).

#### SIGNAGE

The Builder is responsible for furnishing signs as required by Code and the Building Department, including but not limited to, exits, occupancy limits, floor loading limits, and build storage limits. Floor loading signs shall clearly indicate maximum floor live load permitted.

Builk storage facilities shall have signs clearly posted on all loaded walls indicating the type of commodity stored and the maximum storage height. Signs shall be clearly visible when building is fully loaded to design level. Overloading of floors or walls may result in failure.

#### DELIVERIES

It is the responsibility of the builder to have adequate equipment available at the job site to unload trucks in a safe and timely manner. The Builder will be responsible for all retention charges from carriers as a result of job site unloading delays.

Claims for damage or shorts MUST be noted on the Bill-of-Lading or delivery receipt and filed against the carrier by the consignee as per Butker's Terms of Sales (F.O.B. Plant) under the Uniform Commercial Code. It is critical that damages or shorts be noted on the Bill-of-Lading or you have little recourse with the carrier. Immediately upon delivery of material, material quantities are verified by the Builder against quantities billed on the shipping document. Neither the Manufacturer nor the carrier is responsible for material shortages against quantities billed on the shipping document if such shortages are not noted on the shipping document upon delivery of material and acknowledged by the carriers agent. For materials concealed in bundles, boxes, or crates, shortages must be reported immediately upon unpacking. Should products get wet, bundled and crated materials must be unpacked and unbundled immediately to provide drainage of trapped moisture. See Erection Guide for proper jo be site storage procedure.

#### SEALANTS

Sealants shall be applied in strict accordance with Butler details or weather tightness will be compromised. Sealant must be applied in temperatures and weather conditions consistent with labeling.

#### INDEPENDENT MEZZANINES

Independent mezzanines must be designed by a professional engineer. The engineer must ensure that proper isolation from the Butler building host passes provided to avoid structural damage due to differential movements or inadverted that papel you better building better that the Butler structure. Butler accepts no responsibility for the design of the independent mezzanine.

#### FIRE CODE COMPLIANCE

It is the responsibility of the project design professional and builder to comply with local fire cote regulations including consideration of, but not limited to, building use and occupancy, all building construction materials, separation requirements, egress requirements, fire protection systems, etc. Builder shall advise Buller of any soecial recourtements to be furnished by Butler of shall service the systems.

#### FIELD MODIFICATIONS

Modifications to this building from details and instructions contained on these drawings must be approved in writing by Butler Mfg, engineers, or other licensed structural engineer. This includes but is not limited to, removal of roof or wall cladding, removing or moving any flange braces or rod braces, cutting of openings for doors, windows or RTU's, correction of fabrication errors, etc. The owner shall not impose loads to this structure beyond what is specified for this building in the contract documents. Butler Mfg, accepts no responsibility for the consequences of any unauthorized additions, alterations, or added loads to this structure.

If the builder intends to invoice Butler Mfg. for modifications in excess of \$1000, The builder must notify Butler Mfg, immediately, and obtain a Work Authorization from Butler Mfg prior to proceeding. All final claims must be submitted to Butler Mfg with all supporting documentation within 30 days of the building completion. Claims submitted without work authorizations, or after 30 days will not be accepted. Correction of minor misfits, shimming and plumbing, moderate amount of reaming, drilling, chipping / cutting and minor welding are considered by Code of Standard Practice to be part of erection are not subject to claim reimbursement.

### CONCRETE/MASONRY/CONVENTIONAL STUD WALLS

The engineer responsible for the design of the wall system is responsible for coordinating with, or specifying to Buller 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.

#### PANELS

Oil canning is an inherent characteristic of cold formed steel panels. It is the result of several factors that include induced stresses in the raw material delivered to Butler, fabrication methods, installation procedures, and post installation thermal forces. Thru fastened panels will exhibit, some dimpling when installed, especially when insulation is installated between panels and secondary supports. Dimpling can be minimized by careful installation, taking care not to over drive fasteners.

Roof rumble is a phenomenon that is caused by wind gusts lifting up on the roof panels and then springing back into place. All panels experience this action to some degree, especially with concealed clip Standing Seam panels. Roof rumble noise may be minimized by providing a layer of blanket insulation between the panels and any hard support surface such as steel secondary members, substrates such as plywood, steel decking, or rigid board insulation. A minimum of 3 inch thick blanket is recommended over steel secondary members, or 2 inch over substrates.

Oil canning, dimpling, and roof rumble do not affect the structural integrity or weather tightness of the panels and is not grounds for rejection of panels.

The Standing Seam joint detail is designed with an interlocking feature for ease of installation. However, it is imperative that installed Standing Seam panels be secured to the secondary structural life in the secondary structural from the job site each day.

#### SKYLIGHTS

Local building departments may require added fall restraint due to conditions that may affect the skylight structural integrity. It is the responsibility of the builder to determine and provide any added fall restraint under the skylight as may be required by your building department.

#### RAIN WATER RUNOFF

Drainage systems must be designed by the project professional to comply with code requirements. Butler is not responsible for drainage designs, overflow scuppers, down piping, etc. The project professional and contractor are responsible to ensure that primary drains and overflow devices such as scuppers and auxiliary drains are provided as required for the required rain intensity at the building perimeter and at valley conditions to prevent ponding.

#### STEEL SHOP COAT

The purpose of Butler's shop coat is to provide protection for the steel members during transportation, during temporary job alte storage and during rection. Standard shop formulation is not designed to perform as a finish coat when exposed to environmental conditions. Members shall be kept free of the ground and property drained during job site storage. It is the Builder's responsibility to ensure that if a finish coat is being applied over Butler shop coat that the painting contractor verifies compatibility between his finish coat and Butler's shop coat.

### BUTLER MFG. ACCREDITATIONS AND APPROVALS

#### Fabricator Approvals

IAS AC472 Approvals: (www.iasonline.org/services/metal-building-inspection)
Listed under BlueScope Buildings North America, Inc.
City of Los Angeles, CA#EBood37; City of Houston, TX 767;
City of Phoenix, Az C19-02008; Clark County, NV 43 & 833, San Bernardino County, CA 289,
State of Utah, City of Richmond, Ca.

#### Design Approvals

IAS AC472 Approvals: (www.lasonline.org/services/metal-building-inspection)
Listed under Butler Manufacturing, a Division of BlueScope Buildings North America, Inc.

### Canadian CSA A660 Certifications

(www.cwbgroup.org)
Listed under BlueScope Buildings North America, Inc.

#### Engineering Certifications of Authorization

USA.-ALIRCA-5589-E; AZ#22225-0; AR#576; FL#30427; GA#PEF007551; ID#C-2470; IL#184-002649; KS#E-29; KY#4490; LA#EF6722; MSE-0392; MO#E-010007736; NC#-0998; ND#1579FE; NA#26A2831890; NV#20437; OH#05898; OK#CA4170FE; RI#8338; SC#6206; SD#C-1787; TX#F4828; VA#0411001520; VA#0411001518; WA#4119; WV#C03059-00
CAN.-AB#P0800; NB#F0951; NLBD0044; NSB90123: NT#P062: ON#10014876<sup>6</sup>: and YT#PP134



### FOR CONSTRUCTION

THE BUTLER MFG. ENGINEERS SEAL APPLIES ONLY TO THE WOOK PROJUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OF PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THIS DISAMING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MYG. IT IS PROVIDED SCLEY FOR ERECTING THE BUILDING PSCENBERD IN THE APPLICABLE PURCHASE GORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR MY OTHER PHYGOSE WITHOUT PRICE WRITTEN APPROVAL OF BUTLER MYG.

THE GENERAL CONTRACTOR AND/OR ERECTION IS SOLELY RESPONSIBLE FOR ACCUPATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAIL REPREFERED ON THIS DRAWING, DETAIL REPREFERED IN THIS DRAWING, DETAIL REPREFERED FOR THE SOURCE PROPERTY OF THE REPROPORED THE SOURCE PROPERTY OF THE PROPERTY BRACE PROPERTY BROWN TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACE PROPERTY AND THE PROPERTY BRACE PROPERTY BROWN TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACE.

[	ו	1540 GE	BUTLER MANUFACTURING NESSEE ST. KANSAS CITY, MO 64102	EREC
REV:	DATE:	BY:	DESCRIPTION:	BUILDER: M
				CUSTOMER:
				LOCATION: Lo
П				PROJECT: K
DRAN	WING SCALE:		NTP	BUILDER'S POR

RE	CTION NOTES				
ER:	MAR BUILDING SOLUTIONS LLC		JOB #: 24-02	5448.	n4
OMER			DATE:		•
TION:	Lees Summit, Missouri	BUTLER	12/13/		_
ECT:	KR Wholesale	Butler Manufacturing	SR	1	K
ER'S P	<sup>20#</sup> 200440709	VPC VERSION: 24.3.1	PAGE:	3	

a division of BlueScope Buildings North America, Inc.

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

#### NOTES FOR LARGE CLEAR SPAN PROJECTS (TYPICALLY 120' & GREATER):

THESE INSTRUCTIONS TYPICALLY APPLY TO FRAMES WITH CLEAR SPANS 120' OR GREATER, HOWEVER, IF A BUILDING SUPPORTS HEAVY ROOF LOADS OR LARGE BAYS, THEN SMALLER SPANS MAY BE OF CONCERN; REVIEW WITH YOUR SERVICE CENTER TO OBTAIN ANSWERS TO QUESTIONS.

LARGE CLEAR SPAN FRAMES VERTICALLY DEFLECT UNDER SELF WEIGHT AS WELL AS UNDER THE ADDITIONAL WEIGHT OF MATERIAL ATTACHING

FIVE REFERENCE ELEVATIONS ARE PROVIDED. THE FIRST ELEVATION IS THE FRAME IN ITS THEORETICAL UNLOADED POSITION (NO CAMBER OR SETTLEMENT). THE SECOND ELEVATION IS THE CAMBERED FRAME POSITION. THE THIRD ELEVATION IS THE FRAME SETTLEMENT UNDER FRAME SELF WEIGHT. THE FOURTH ELEVATION IS THE FRAME SETTLEMENT UNDER THE DEAD LOAD OF INTEGRAL MARKETAL (FRAME WEIGHT PLUS PURLINS, INSULATION, COVERING, AND LINER). THE FIFTH SCHEMATIC IS THE FRAME SETTLEMENT UNDER DEAD LOAD AND COLLATERAL

DURING THE COURSE OF CONSTRUCTION, DIFFERENTIAL SETTLEMENTS MAY OCCUR IN RAFTER ELEVATIONS FROM FRAME LINE TO FRAME LINE. AS LONG AS ELEVATIONS EXCEED THE POSITIONS TABULATED, NO CONCERN IS NECESSARY.

IF THE ELEVATIONS DO NOT EXCEED THE TABULATED VALUES, REVIEW THE FIELD CONDITIONS WITH YOUR SERVICE CENTER TO ENSURE THE STRUCTURAL INTEGRITY OF THE BUILDING SYSTEM SUPPLIED.

MANY FIELD CONDITIONS CAN CAUSE FIELD VARIATION IN ELEVATION FROM CALCULATED VALUES. IF ALL OTHER FIELD CONDITIONS HAVE BEEN REVIEWED AND DETERMINED TO HAVE BEEN INSTALLED CORRECTLY IN ACCORDANCE WITH ERECTION DRAWINGS, THEN SHIMMING OF THE FRAME IS A VIABLE SOLUTION TO ADJUST ELEVATIONS TO A CORRECT LEVEL.

#### \*SHIMS ARE TO BE PROVIDED BY THE ERECTOR.

"SEE BUILDE'S MOVIDED BY THE ERECTOR."

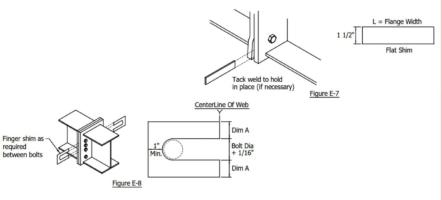
\*SEE BUILDE'S MUTLER'S MIDESPAN INSTALLATION GUIDE (3586)— SECTION E (BOLT TIGHTENING E-4) FOR 
(SKETCHES PROVIDED TO RIGHT FOR REFERENCE).

\*SHIMMING OF CONNECTIONS SHOULD BE EXPECTED TO MAINTAIN KEY DIMENSIONS 
SUCH AS CLEARANCE, HEIGHT, AND PLUMENESS OF THE ERECTED BUILDING. 
AS NOTED ABOVE SHIMS ARE NORMALLY PROVIDED BY THE ERECTOR, BUT MAY BE 
ORDERED UPON REQUEST BY CONTACTING YOUR PROJECT MANAGER.

CAMBER DL+CG IS INCLUDED ON THE FRAMES OF THIS PROJECT.
ALL DIMENSIONS ARE FROM FINISH FLOOR TO THE TOP OF THE RAFTER SPLICE PLATE AT THE RIDGE.
NEGATIVE DEFLECTIONS ARE DOWNWARD, POSITIVE DEFLECTIONS OR CAMBER ARE UPWARD.
HEIGHTS ABOVE FINISH FLOOR ARE ROUNDED TO NEAREST SIXTEENTH.

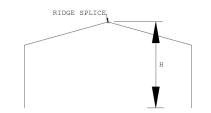
On occasion shims may be required to fill joint gaps, level beams, accommodate varying depth of members, level frame bases, adjust for differential frame deflection, etc. Some shimming must be anticipated by the erector and is considered by the Code of Standard Practice to be part of the erection contract. Shims are provided by the erector.

Shimming between gaps at flanges is accomplished with thin flat plates stacked between the joints.



- Dim A = 1". Shim dimensions may vary from those shown if required for fit up
- · Multiple shims may be stacked to fill required gap.
- · Gaps greater than a 1/4" require engineering review. Contact your Project Manager.

	CAL SHAPE: DELED			DEFLECTED SHAPE: SELF WEIGHT		DEFLECTED SHAPE: DEAD LOAD		DEFLECTED SHAPE: DEAD + COLLATERAL LOAD	
GRID	HO (FT) AFF	Δ (IN) FROM CAMBER	H1 (FT) AFF	Δ (IN) FROM LOAD	H2 (FT) AFF	Δ (IN) FROM LOAD	H3 (FT) AFF	Δ (IN) FROM LOAD	H4 (FT) AFF
FL 2&3	25'-9 3/4"	3.0000	26'-0 3/4"	-0.9000	25'-11 7/8"	-0.9000	25'-11 7/8"	-2.0000	25'-10 3/4"
FL 3&4	25'-9 3/4"	3.0000	26'-0 3/4"	-0.9000	25'-11 7/8"	-0.9000	25'-11 7/8"	-2.0000	25'-10 3/4"
FL 5&6	25'-9 3/4"	3.0000	26'-0 3/4"	-0.9000	25'-11 7/8"	-0.9000	25'-11 7/8"	-2.0000	25'-10 3/4"
FL 7	25'-9 3/4"	3.0000	26'-0 3/4"	-0.9000	25'-11 7/8"	-0.9000	25'-11 7/8"	-2.0000	25'-10 3/4"





THE BUTLER MFG. ENGINEER'S SEAL APPLIE
ONLY TO THE WORK PRODUCT OF BUTLER
MFG. AND DESIGN AND PERFORMANCE
REQUIREMENTS SPECIFIED BY BUTLER. THE
BUTLER MFG. ENGINEER'S SEAL DOES NOT
APPLY TO THE PERFORMANCE OR DESIGN OF
ANY OTHER PRODUCT OR COMPONENT
FURNISHED BY BUTLER EXCEPT TO ANY
DESIGN OR PERFORMANCE REQUIREMENTS
SPECIEIED BY BLITLED

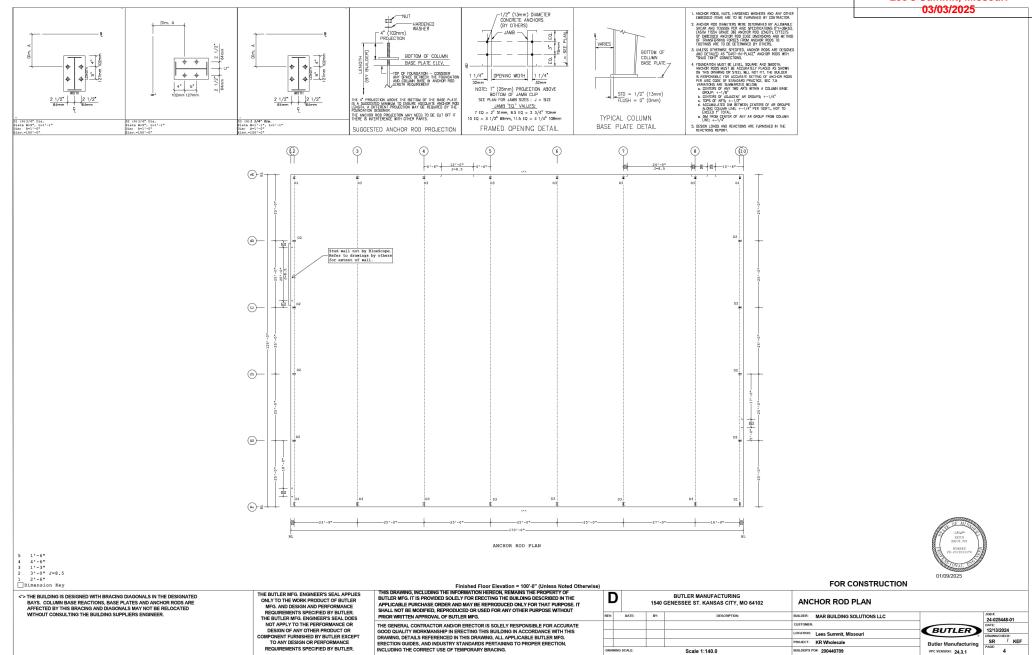
THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER MFG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. REFCTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

							1905.19	
	D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			LARGE CLEARSPAN NOTES			
	REV:	DATE:	BY:	DESCRIPTION:	BUILDER:	MAR BUILDING SOLUTIONS LLC		JOB #: 24-025448-01
ı					CUSTOMER		BUTLER	DATE: 12.16.2024
5					LOCATION:	Lees Summit, Missouri	BUILER	DRAWNICHECK:
` [					PROJECT:	KR Wholesale	Butler Manufacturing	SR /
ı	DRAWI	NG SACLE:			BUILDERS	** 200440709	VPC VERSION:	PAGE: 3a
SAVE DATE: SAVE TIME:			SAVE TIME:	LAST SAV	ED BY: a d	ivision of BlueScope Buildings North America	Inc.	

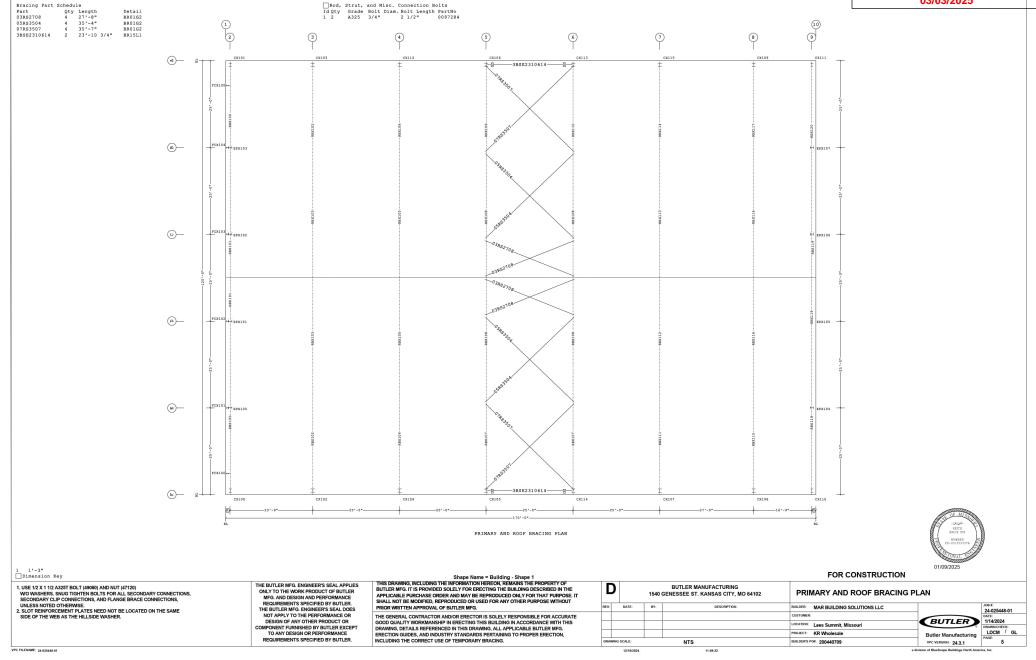
As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025



As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025



As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025

Frame Member Schedule
Part Mem Width Thick WebThk. Depth1
FCX104 30001 5.0000 .2500 .1345 8 1/2" Approx.Lgth Approx.Weight 6'-10 3/4" 90# Shape Name = Building - Shape 1 Wall 1, Frame 1
THIS DRAWNING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING BESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG. FOR CONSTRUCTION THE BUTLER MFG, ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER REQUIET OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE. 1. USE 1/2/1.1/2.A3ET BULT (4080) AND NIT (4719)
WO WASHESS SAUR TORTHS BOATS FOR ALL SECONDARY CONNECTIONS,
SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS,
UNLESS NOTED OTHERWISE.
2. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME
SIDE OF THE WEED AS THE HILLISDE WASHER. BUTI ER MANUFACTURING D ENDPOST CROSS SECTION AT [B-1] 1540 GENESSEE ST. KANSAS CITY, MO 64102 BUILDER: MAR BUILDING SOLUTIONS LLC JOB #: 24-025448-01 THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH. (BUTLER) DATE: 1/14/2024 LOCATION: Lees Summit, Missouri Butler Manufacturing DRAWNUCHECK:
LDCM / GL
PAGE: PROJECT: KR Wholesale REQUIREMENTS SPECIFIED BY BUTLER. DRAWING SCALE NTS BUILDER'S PO#: 200440709 VPC VERSION: 24.3.1

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

Butler Manufacturing DRAWNICHECK:
LDCM / GL
PAGE:

VPC VERSION: 24.3.1

PROJECT: KR Wholesale

BUILDER'S PO#: 200440709

Frame Member Schedule
Part Mem Width Thick WebThk. Depth1
FCX103 30001 5.0000 .2500 .1345 8 1/2" Approx.Lgth Approx.Weight 5'-11 1/4" 79# Shape Name = Building - Shape 1 Wall 1, Frame 2
THIS DRAWNING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING BESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG. FOR CONSTRUCTION THE BUTLER MFG, ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER REQUIET OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE. 1. USE 1/2/1.1/2.A3ET BULT (4080) AND NIT (4719)
WO WASHESS SAUR TORTHS BOATS FOR ALL SECONDARY CONNECTIONS,
SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS,
UNLESS NOTED OTHERWISE.
2. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME
SIDE OF THE WEED AS THE HILLISDE WASHER. BUTI ER MANUFACTURING D ENDPOST CROSS SECTION AT [C-1] 1540 GENESSEE ST. KANSAS CITY, MO 64102 BUILDER: MAR BUILDING SOLUTIONS LLC JOB #: 24-025448-01 THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH. (BUTLER) DATE: 1/14/2024 LOCATION: Lees Summit, Missouri

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

Frame Member Schedule
Part Mem Width Thick WebThk. Depth1
FCX102 30001 5.0000 .2500 .1345 8 1/2" Approx.Lgth Approx.Weight 5'-11 1/4" 74# Shape Name = Building - Shape 1 Wall 1, Frame 3
THIS DRAWNING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING BESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG. FOR CONSTRUCTION THE BUTLER MFG, ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER REQUIET OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE. 1. USE 1/2/1 1/2 A3EST BOLT (40800) AND NIT (4710)
WO WASHESS SAURT DETHER BOLT FOR ALL SECONDARY CONNECTIONS,
SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS,
UNLESS NOTED OTHERWISE.
2. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME
SIDE OF THE WEED AS THE HILLISDE WASHER. BUTI ER MANUFACTURING D ENDPOST CROSS SECTION AT [D-1] 1540 GENESSEE ST. KANSAS CITY, MO 64102 BUILDER: MAR BUILDING SOLUTIONS LLC JOB #: 24-025448-01 THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH. (BUTLER) DATE: 1/14/2024 LOCATION: Lees Summit, Missouri Butler Manufacturing DRAWNUCHECK:
LDCM / GL
PAGE: PROJECT: KR Wholesale

NTS

BUILDER'S PO#: 200440709

DRAWING SCALE

REQUIREMENTS SPECIFIED BY BUTLER.

As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025

Frame Member Schedule
Part Mem Width Thick WebThk. Depth1
FCX101 30001 5.0000 .2500 .1345 8 1/2" Approx.Lgth Approx.Weight 6'-10 3/4" 86# Shape Name = Building - Shape 1 Wall 1, Frame 4
THIS DRAWNING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING BESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG. FOR CONSTRUCTION THE BUTLER MFG, ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER RODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE. 1. USE 1/2/1.1/2.A3ET BULT (4080) AND NIT (4719)
WO WASHESS SAUR TORTHS BOATS FOR ALL SECONDARY CONNECTIONS,
SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS,
UNLESS NOTED OTHERWISE.
2. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME
SIDE OF THE WEED AS THE HILLISDE WASHER. BUTI ER MANUFACTURING D ENDPOST CROSS SECTION AT [E-1] 1540 GENESSEE ST. KANSAS CITY, MO 64102 BUILDER: MAR BUILDING SOLUTIONS LLC JOB #: 24-025448-01 THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH. (BUTLER) DATE: 1/14/2024 LOCATION: Lees Summit, Missouri Butler Manufacturing DRAWNUCHECK:
LDCM / GL
PAGE: PROJECT: KR Wholesale REQUIREMENTS SPECIFIED BY BUTLER. DRAWING SCALE NTS BUILDER'S PO#: 200440709 VPC VERSION: 24.3.1 9

VPC FILENAME: 24-025448-01

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

| Comparison | Com Frame Member Schedule
Part Mem Width Thick WebThk. Depth1
FCX100 30001 6.0000 .2500 .1345 8 1/2" Approx.Lgth Approx.Weight 4'-2 5/16" 90#

SUPPORT BEAM

ENDPOST CROSS SECTION ON SUPPORT BEAM (SBX) BETWEEN A-B & E-F

Frame 1	1.	1 Wall	- Shape	Building	Name =	Shape
, t	٦,	1 Wall	- Snape	Building	Name =	Shape

1. USE 1/2 X 1 1/2 A3251 BOLT (49080) AND NUT (4/120)
W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS,
SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS,
UNLESS NOTED OTHERWISE.

2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

ERECTION NOTE:
For parapet post and support beam locations refere to the Roof Secondary Plan. Support beam information is shown in the Roof Secondary Plan.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

Shape Name = Building - Shape I Wall 1, Frame 1
THIS DRAWING, INCLUDING THE INFORMATION HEREOK, REAMBY THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR EXECTING THE BUILDING DESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE IT
SHALL NOT BE MODIFIED, REPRODUCED ON USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN PAPROVAL OF BUTLER MFG.

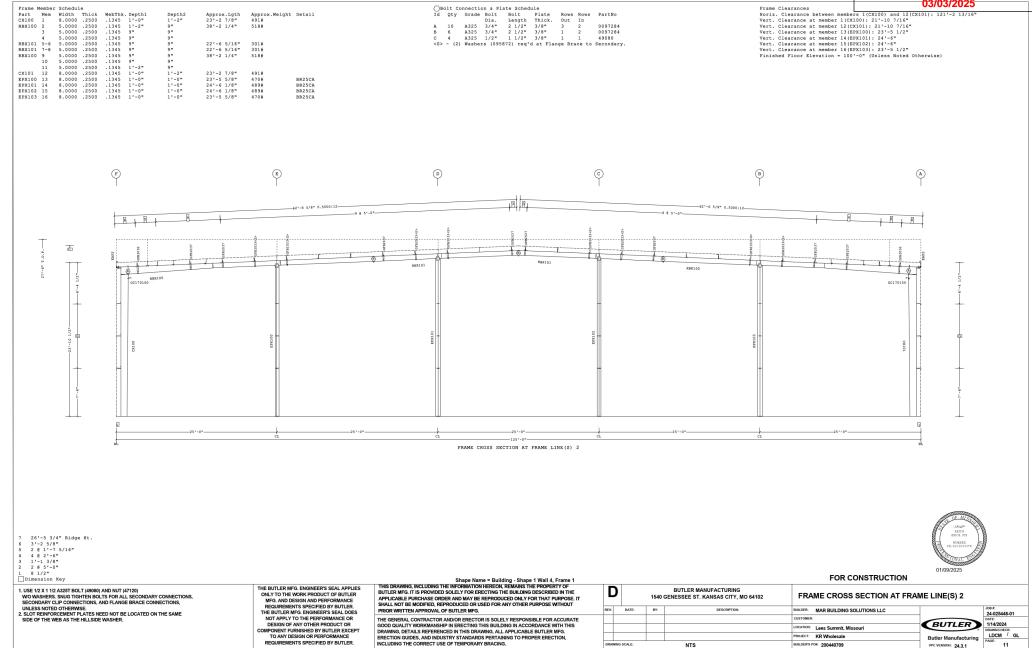
THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH.

FOR CONSTRUCTION

D	)	1540	BUTLER MANUFACTURING GENESSEE ST. KANSAS CITY, MO 64102	END	POST CROSS SECTION ON S	вх	
EV:	DATE:	BY:	DESCRIPTION:	BUILDER:	MAR BUILDING SOLUTIONS LLC		JOB #: 24-025448-01
П				CUSTOMER	E .		DATE:
Т				LOCATION:	Lees Summit, Missouri	BUTLER	1/14/2024 DRAWNICHECK:
				PROJECT:	KR Wholesale	Butler Manufacturing	LDCM / GL
RAWI	NG SCALE:		NTS	BUILDER'S I	PO#: 200440709	VPC VERSION: 24.3.1	PAGE: 10

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025



REQUIREMENTS SPECIFIED BY BUTLER.

BUILDER'S PO#: 200440709

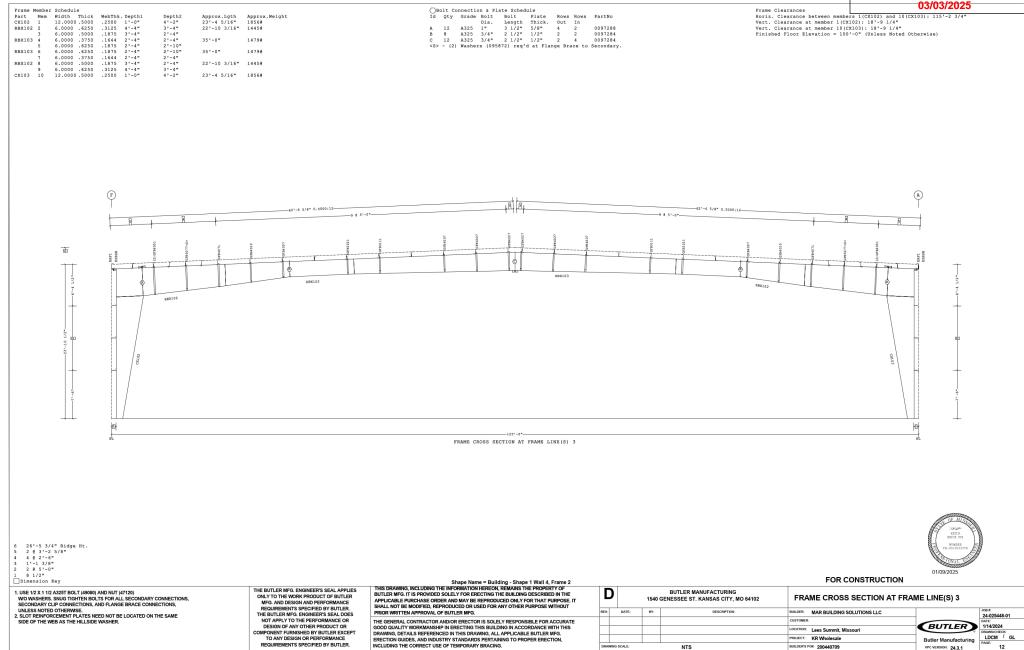
NTS

DRAWING SCALE

11

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025



BUILDER'S PO#: 200440709

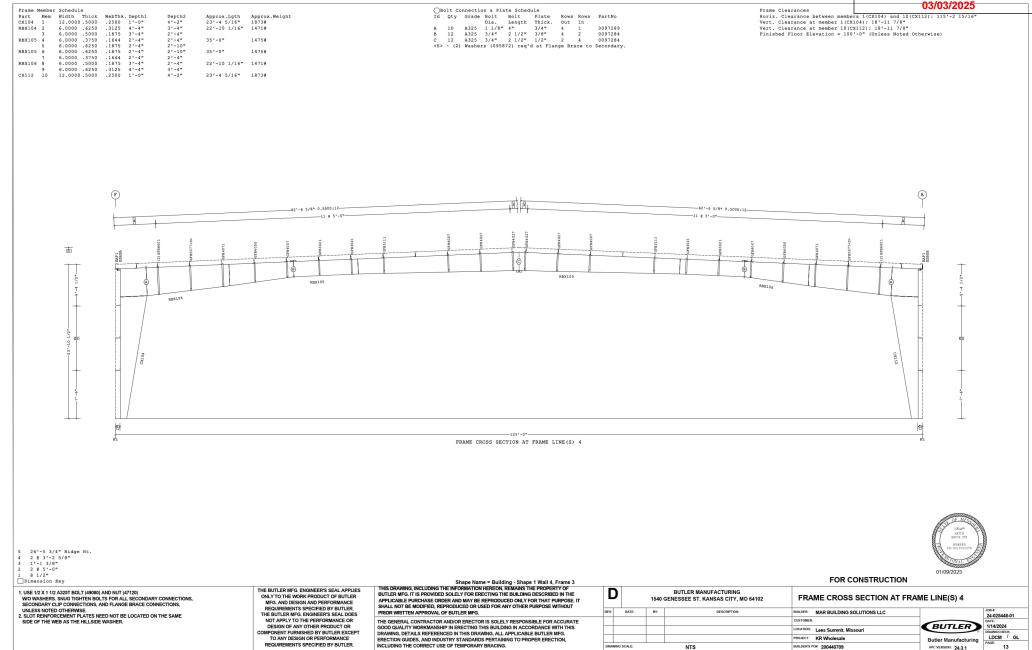
DRAWING SCALE

12

REQUIREMENTS SPECIFIED BY BUTLER.

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025



REQUIREMENTS SPECIFIED BY BUTLER.

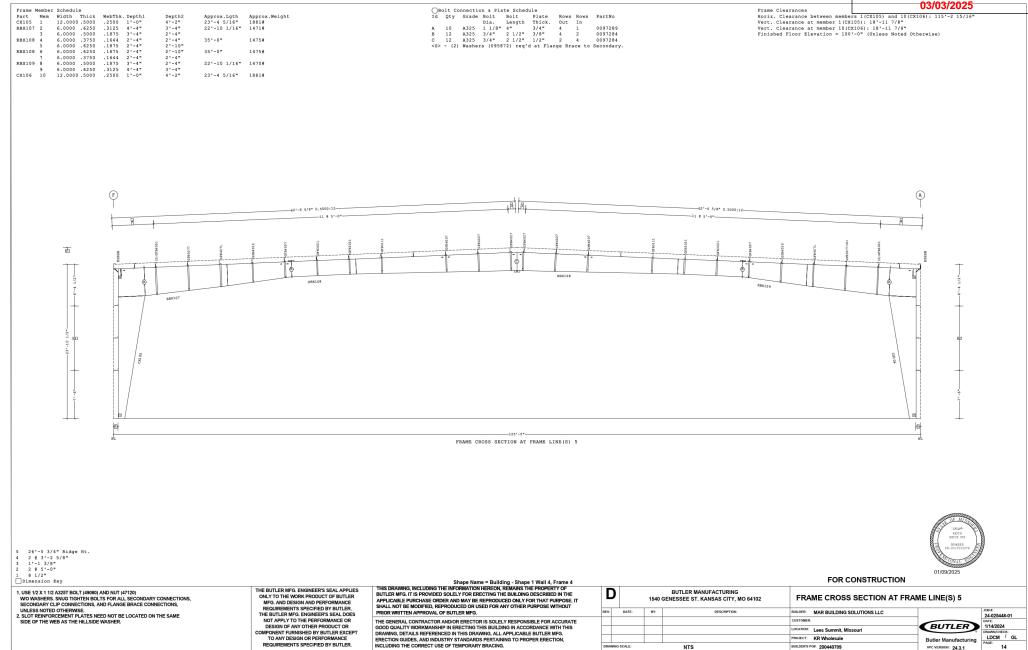
BUILDER'S PO#: 200440709

DRAWING SCALE

13

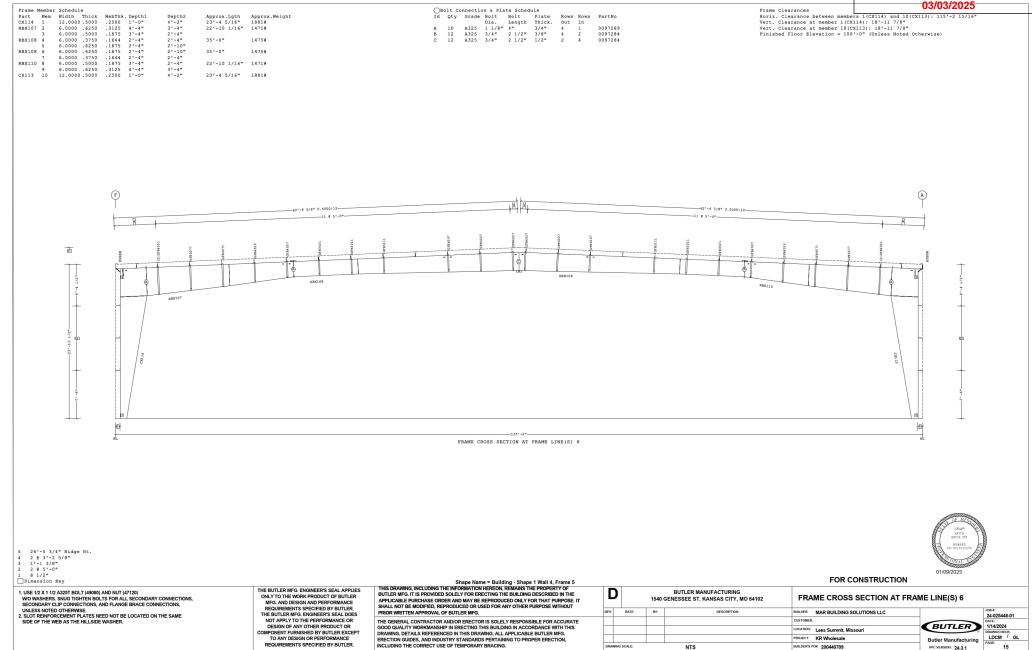
As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025



As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025



REQUIREMENTS SPECIFIED BY BUTLER.

DRAWING SCALE

PROJECT: KR Wholesale

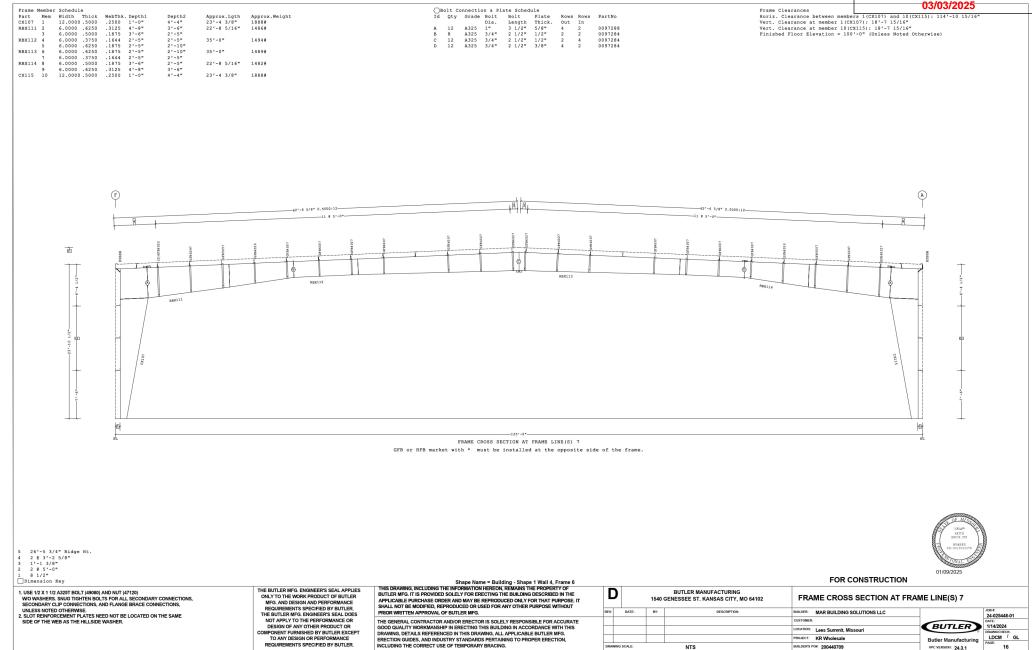
BUILDER'S PO#: 200440709

LDCM / GL PAGE:

15

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025



REQUIREMENTS SPECIFIED BY BUTLER.

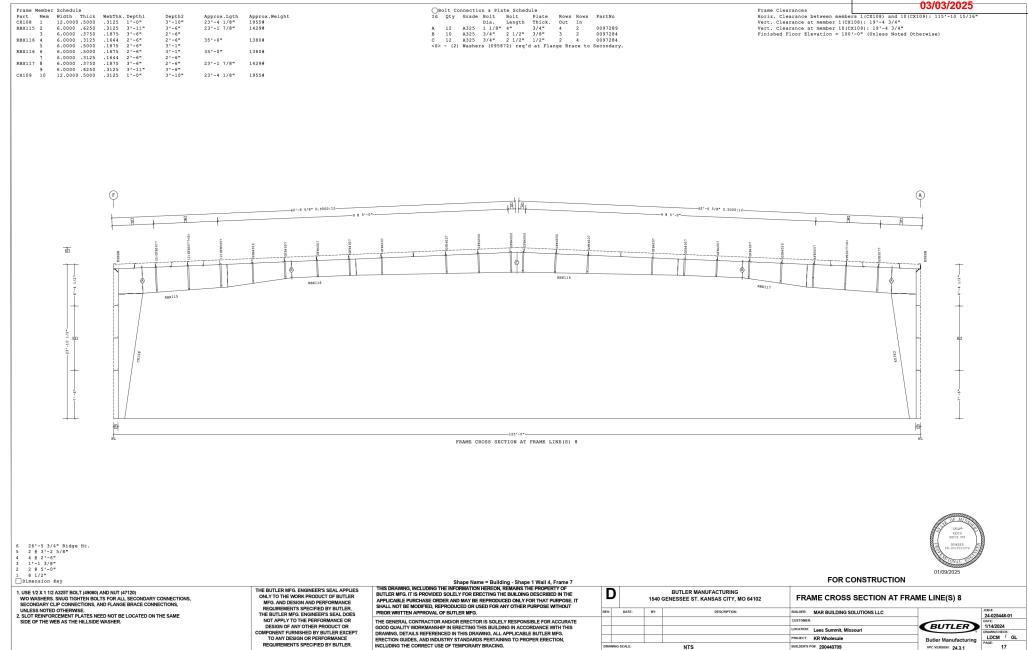
DRAWING SCALE

16

BUILDER'S PO#: 200440709

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025



NTS

BUILDER'S PO#: 200440709

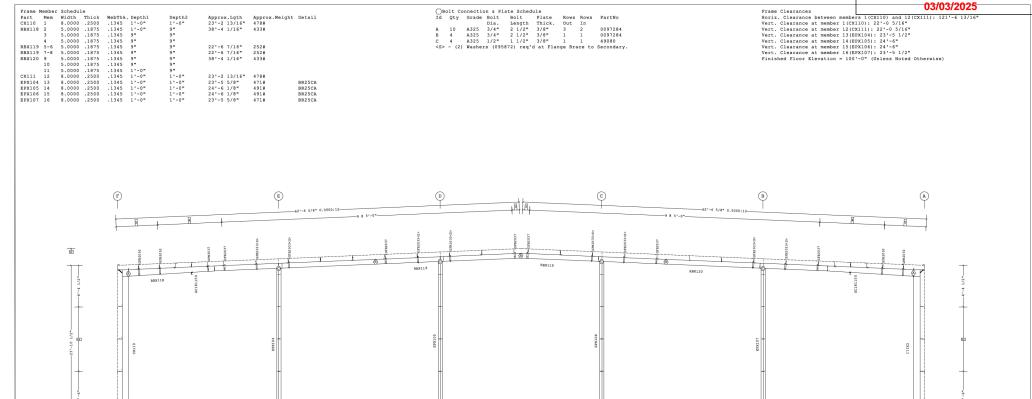
DRAWING SCALE

17

REQUIREMENTS SPECIFIED BY BUTLER.

As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025



FRAME CROSS SECTION AT FRAME LINE(S) 9

UL MAGE
RETH
REICK FIX
PR-201203379

0109/2025

6	26'-5 3/4" Ridge H	it.
5	2 @ 3'-2 5/8"	
4	4 @ 2'-6"	
3	1'-1 3/8"	
2	2 @ 5'-0"	
1	8 1/2"	
	Dimension Key	

USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120)
WO WASHERS, SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS,
SECONDARY CULP CONNECTIONS, AND FLANCE BRACE CONNECTIONS,
UNLESS NOTED OTHERWISE.
SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

2. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME

1. SLOT REINFORCEMENT FLATES NEED NOT BE LOCATED ON THE SAME PLATES NEED NOT BE LOCATED ON THE SAME PLATES NEED NOT BE LOCATED ON THE SAME PLATES NEED NOT BE LOCATED ON THE SA

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE.

REQUIREMENTS SPECIFIED BY BUTLER.

Shape Name = Building - Shape 1 Wall 4, Frame 8
THIS DRAWING, INCLIDING THE SHOWMATION HEREON, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR EXECUTING THE BUILDING DESCRIBED IN THE
APPLICABLE PURCHASE GADER AND MAY REPRODUCED ONLY FOR THAT PURFOSE. IT
SYALL MOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG.
THE GENERAL CONTRACTOR AND OR RECETOR IS SOLELY RESPONSIBLE FOR ACCURATE

THE GENERAL CONTRACTOR AND ENECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHER IN ERECTING THIS BUILDING MA ACCORDANCE WITH THIS ORAMING, DETAIL REFERENCED IN THIS DRAWING, BLAL APPLICABLE BUILDING MEDICAN ERECTION QUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BREACH, DETAIL OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE OF THE MORPORARY BREACH OF THE MEDICAN CORRECT USE O

FOR CONSTRUCTION	1
------------------	---

D		ו	1540	BUTLER MANUFACTURING GENESSEE ST. KANSAS CITY, MO 64102	FRAME CROSS SECTION AT FRAME LINE(S) 9			
	REV:	DATE:	BY:	DESCRIPTION:	BUILDER:	MAR BUILDING SOLUTIONS LLC		JOB #: 24-025448
Ī					CUSTOMER			DATE:
					LOCATION:	Lees Summit, Missouri	BUTLER	1/14/2024 DRAWNICHEC
					PROJECT:	KR Wholesale	Butler Manufacturing	LDCM /
DRAWING SCALE: NTS BUI		BUILDER'S I	*OF: 200440709	VPC VERSION: 24.3.1	PAGE: 18			

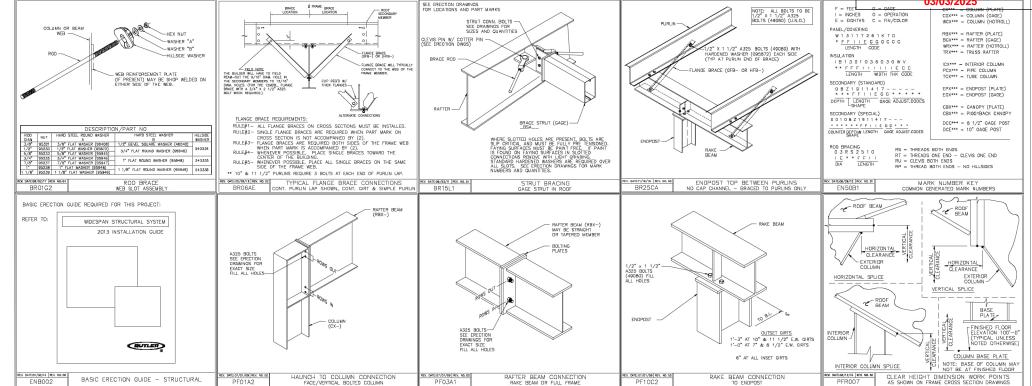
IDC EL ENAME.

111

VPC VERSION: 24.3.1

As Noted on Plans Review

### **Development Services Department** Lee's Summit, Missouri 03/03/2025





### FOR CONSTRUCTION

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120)	
W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIO	NS,
SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS,	
UNI ESS NOTED OTHERWISE	

2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILL SIDE WASHER

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.
THE BUTLER MFG. ENGINEER'S SEAL DOES
NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE

THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER MFG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE THE GENERAL CURT INCLUDE AND THE RECTING THIS BUILDING IN ACCORDANCE WITH THIS DOWNING. THE ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. EBECTION GUIDES, AND INQUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

		)	1540	BUTLER MANUFACTURING GENESSEE ST. KANSAS CITY, MO 64102	PRIMARY BRACING SED'S	
	REV:	DATE:	BY:	DESCRIPTION:	BUILDER: MAR BUILDING SOLUTIONS LLC	JOB #: 24-025448-0
					CUSTOMER:	DATE:
ĺ					LOCATION: Lees Summit, Missouri	1/14/2024 DRAWNICHECK:
Ì					PROJECT: KR Wholesale Butler Manufactu	ring LDCM /
Ì	DRAWING SCALE: NTS			NTS	BUILDER'S POR: 200440709 VPC VERSION: 24 3 1	PAGE: 19

REQUIREMENTS SPECIFIED BY BUTLER.

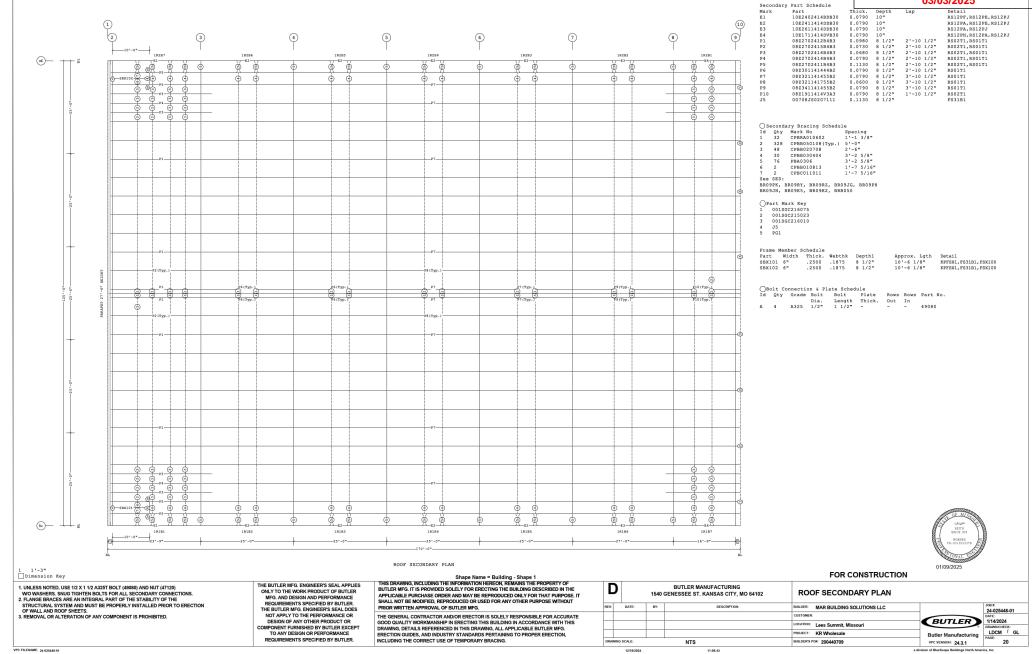
JOB #: 24-025448-01

LDCM / GL

19

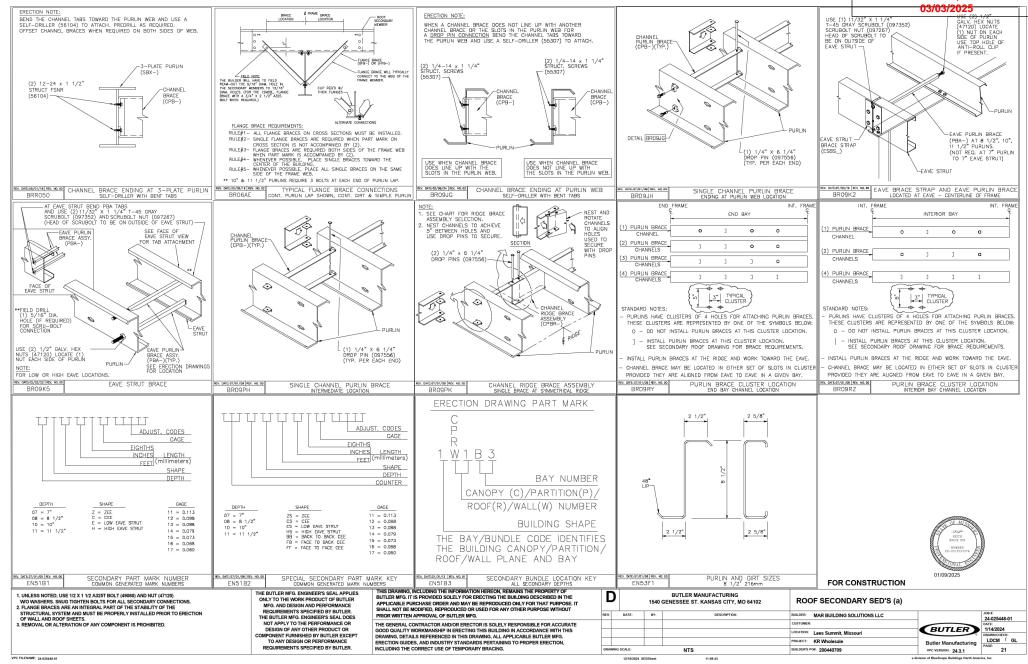
As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025



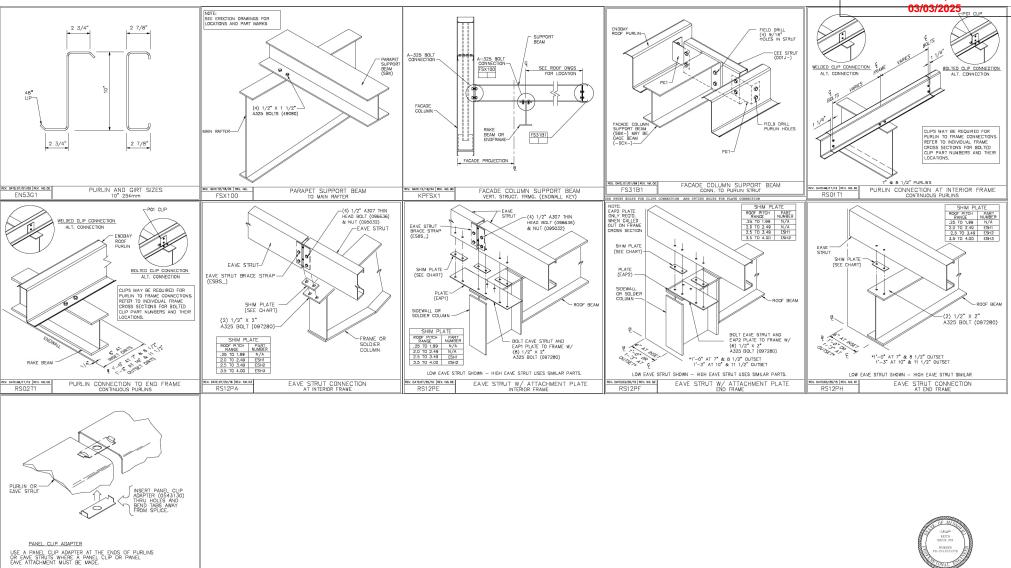
As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri



As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri



 UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120)
 WIO WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
 FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.

RS12PJ PANEL CLIP AT EAVE STRUT
RS12PJ LOCATED WHERE STRUT STOPS BUT CONNECTION REQUIRED

3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.
THE BUTLER MFG. ENGINEER'S SEAL DOES
NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE

THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER MFG.

D

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE THE GENERAL CONTINUED AND AND RECEIVED THIS SOULDING IN ACCORDANCE WITH THIS DRAWNS, DETAILS REFERENCED IN THIS DRAWNS, DETAILS REFERENCED IN THIS DRAWNS, ALL APPLICABLE BUTLER MFG. EBECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

	FOR CONSTRUCTION
BUTLER MANUFACTURING	ROOF SECONDARY SED'S (b)

_		1540	GENESSEE ST. KANSAS CITY, MO 64102	ROOF SECONDART SED 5 (b)	
REV:	DATE:	BY:	DESCRIPTION:	BUILDER: MAR BUILDING SOLUTIONS LLC	
				CUSTOMER:	PUT ED
				LOCATION: Lees Summit, Missouri	BUTLER
				PROJECT: KR Wholesale	Butler Manufacturin
DRAW	ING SCALE:		NTS	BUILDER'S PO#: 200440709	VPC VERSION: 24.3.1

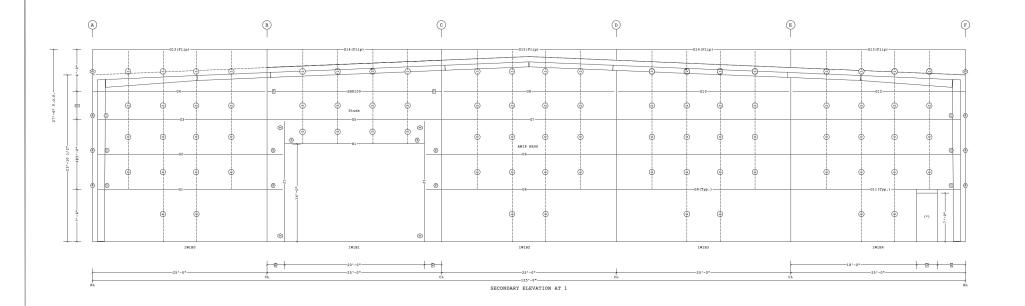
REQUIREMENTS SPECIFIED BY BUTLER.

24-025448-01 1/14/2024 LDCM GL 22

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025





2 2 -0	2 0101	
1 4'-0"	1VCC07003090	
Dimension Key	Part Mark Key	
		_
1. UNLESS NOTED, USE	1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120)	
W/O WASHERS, SNUG	TIGHTEN BOLTS FOR ALL SECONDARY CONNECTION	ON
2. FLANGE BRACES AR	E AN INTEGRAL PART OF THE STABILITY OF THE	

STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS. 3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

RKC10 GFA106 PG1 JTG1

> THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE MPG. AND DESIGN AND PERFORMANCE
> REQUIREMENTS SPECIFIED BY BUTLER.
> THE BUTLER MFG. ENGINEER'S SEAL DOES
> NOT APPLY TO THE PERFORMANCE OR
> DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

Shape Name = Building - Shape 1, Wall = 1

THIS DRAWING, INCLUDING THE INFORMATION HERERON, REMINIS THE PROPERTY OF
BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER MIFG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE THE GENERAL CONTROL TO KANDION ENECTION STOLEN TRESPONSIBLE TO FOR ACCOURT
GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS
DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG.
ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION,
INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

	)	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102 SECONDARY ELEVATION AT		ONDARY ELEVATION AT 1		
•	DATE:	BY:	DESCRIPTION:	BUILDER:	MAR BUILDING SOLUTIONS LLC	
1				CUSTOMER		
1				LOCATION:	Lees Summit. Missouri	<b>€</b> BUTL

PROJECT: KR Wholesale

BUILDER'S PO#: 200440709

24-025448-01 BUTLER LDCM / GL PAGE: Butler Manufacturing VPC VERSION: 24.3.1

FOR CONSTRUCTION

3 3'-0" 2 2'-6" 1 4'-0"

NTS

23

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

Secondary Part Schedule Mark G16 G17 G18 G20 G21 G22 G23 G24 G25 G26 H2 H3 J2 Thick. 0.0680 Detail WS12A2,WS20F2,WS21D5 Part 00408ZS1902416B0 Depth
8 1/2"
8 1/2"
8 1/2"
8 1/2"
8 1/2"
8 1/2"
8 1/2"
8 1/2"
8 1/2"
8 1/2" 10 1/2" 1'-4 1/2" 2'-10 1/2" 10 1/2" 2'-10 1/2" 0821811416V100 082291141622B0 0.0680 WS12A2, WS01G3 WS01G3 0.0680 WS01G3 WS01G3, WS20F2, WS21D5 WS01G3 WS01G2, WS01G3 WS20F2, WS01G2 WS01G3, WS20F2 082291141622B0 005082S2902416B0 08226114161100 0822711416D4B0 0820602416DG00 0820702416G100 0.0680 0.0680 0.0680 0.0680 0.0680 10 1/2" 0.0680 8 1/2" 0.0790 8 1/2" 0.0680 8 1/2" 0.0680 8 1/2" 0.0790 8 1/2" 0.0730 8 1/2" 0.0730 8 1/2" 0.0730 8 1/2" 08Z30114144400 08Z271141622B0 08Z2611416V3B0 00108DS2400014 00508JS1200015 2'-10 1/2" 1'-4 1/2" 1'-10 1/2" WS01G3, WS20F2 WS01G3 WS01G3 WS12A2, WS01G3 WS20F9 WS20F9 8 1/2" 8 1/2" 8 1/2" 8 1/2" 8 1/2" WS20F9, WS20F2, WS20B8, WS20H3 00308JS1702213 00408JS0504015 WS20F9, WS20F2, WS20B2, WS20B8 00608JS1702215

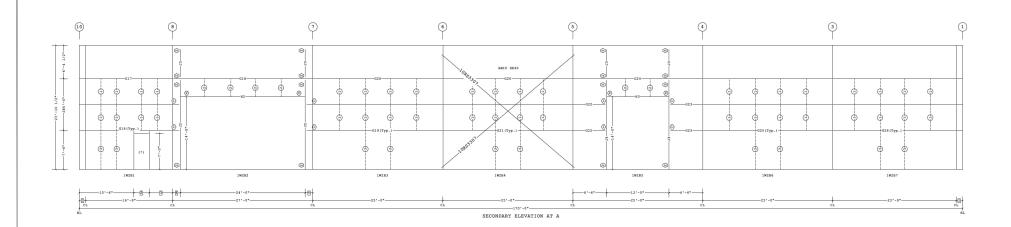
| Secondary Bracing Schedule | Id | Qty | Mark No | Spacing | 1 | 40 | CPBB050108 | 5'-0" | 2 | 6 | CPBA030510 | 3'-6" | 3 | 10 | CPBA070510 | 7'-6" See SEDs: BRR004, BRR005, BRR006, BRR007, BRR008

Bracing Part Schedule Part Qty Length 10RS3307 2 33'-7"

D

RAWING SCALE

ERECTION NOTE:
- Jambs not designed for catenary loads.
- FO's marked with (\*) are not by BMC.





1'-6" 4'-6" 3'-0" 1'-3" TSC1 PG1 JTG1 1 1'-3" 1 JTG1
Dimension Key OPart Mark Key

UNLESS NOTED, USE 1/2 X 1 1/2 A326T BOLT (49080) AND NUT (47120)
 WO WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
 PLANGE BRACES AREA MINTEGRAL PART OF THE ATBULTY OF THE
 STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION
 OF WALL AND ROOT SHEETS.

3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE MPG. AND DESIGN AND PERFORMANCE
REQUIREMENTS SPECIFIED BY BUTLER.
THE BUTLER MFG. ENGINEER'S SEAL DOES
NOT APPLY TO THE PERFORMANCE OR
DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE

REQUIREMENTS SPECIFIED BY BUTLER.

Shape Name = Building - Shape 1, Wall = 2
THIS DRAWING, INCLUDING THE INFORMATION HERERON, REMINIS THE PROPERTY OF
BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER IMPG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE THE GENERAL CONTINUED AND AND RECEIVED THIS SOULDING IN ACCORDANCE WITH THIS DRAWNS, DETAILS REFERENCED IN THIS DRAWNS, DETAILS REFERENCED IN THIS DRAWNS, ALL APPLICABLE BUTLER MFG. EBECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			SECONDARY ELEVATION AT A			
ATE:	BY:	DESCRIPTION:	BUILDER:	MAR BUILDING SOLUTIONS LLC		
			CUSTOMER			

24-025448-01 BUTLER LOCATION: Lees Summit Missouri LDCM / GL PAGE: PROJECT: KR Wholesale Butler Manufacturing BUILDER'S PO#: 200440709 VPC VERSION: 24.3.1 24

FOR CONSTRUCTION

NTS

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

 
 Secondary
 Part
 Schedule

 Mark
 Part

 G9
 08226114161180

 G25
 08227114162280

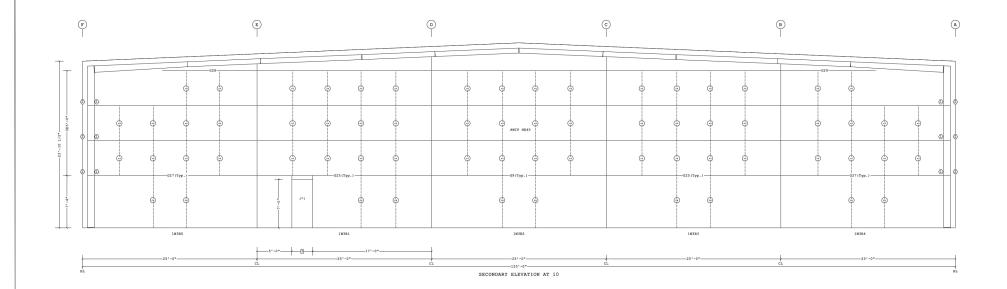
 G27
 08225084160280

 G28
 006082814064160

 G29
 007082814064160
 Osecondary Bracing Schedule

Id Oty Mark No Spacing
1 56 CPBB050108 5'-0"
2 10 CPBA070510 7'-6" Part Schedule Thick. Depth 08226114161180 0.0680 8 1/2" 08225184162280 0.0680 8 1/2" 0060082180641600 0.0680 8 1/2" 0070828140641600 0.0680 8 1/2" Detail WS01G3 WS01G3 WS12A2,WS01G3 WS01G3,WS04C2 WS04C2,WS01G3 Lap 10 1/2" 1'-4 1/2" 1'-4 1/2" 10 1/2" 10 1/2" See SEDs: BRR004, BRR005, BRR006 BRR007, BRR008

ERECTION NOTE:
- FO's marked with (\*) are not by BMC.



1 3'-0" 1 VCC07003090
Dimension Key Part Mark Key

UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49980) AND NUT (47120)
 WO WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
 PLANGE BRACES AREA IN INTEGRAL PART OF THE ATBILITY OF THE
 STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION
 OF WALL AND ROOF SHEETS.
 REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

2 GFA106

THE BUTLER MFG, ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER RODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE.

REQUIREMENTS SPECIFIED BY BUTLER.

Shape Name = Building - Shape 1, Wall = 3
THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING BESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH.

	TON CONSTRUCTION
BUTLER MANUFACTURING	SECONDARY ELEVATION AT 10

		1040	CENEGOEE OT NAMOAG GITT, MG 64102			
v:	DATE:	BY:	DESCRIPTION:	BUILDER:	MAR BUILDING SOLUTIONS LLC	
I				CUSTOMER:		DUT ED
T				LOCATION:	Lees Summit, Missouri	BUTLER
T				PROJECT:	KR Wholesale	Butler Manufacturing
AW	ING SCALE:		NTS	BUILDER'S P	200440709	VPC VERSION: 24.3.1

EOD CONSTRUCTION

LDCM GL PAGE: 25

JOB #: 24-025448-01

1/14/2024

D

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

Secondary Part Schedule
Mark Part
G9 082251141611B0
G30 0822511416V1B0
G31 082281141611B0
G32 0821811416V1A0 Thick. Depth 0.0680 8 1/2" 0.0680 8 1/2" 0.0680 8 1/2" 0.0680 8 1/2" Lap 10 1/2" 10 1/2" 10 1/2" 10 1/2" Detail WS01G3 WS12A2,WS01G3 WS01G3 WS12A2,WS01G3

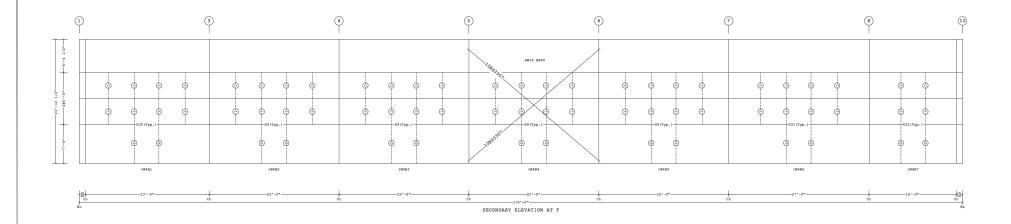
Osecondary Bracing Schedule

Id Oty Mark No Spacing

52 CPBB050108 5'-0"

CPBA070510 7'-6" See SEDs: BRR004, BRR005, BRR006 BRR007, BRR008

Bracing Part Schedule Part Qty Length 10RS3307 2 33"-7"





UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49980) AND NUT (47120)
WO WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
 PLANGE BRACES AREA IN INTEGRAL PART OF THE ATBILITY OF THE
STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION
OF WALL AND ROOF SHEETS.

 REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

THE BUTLER MFG, ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER RODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE.

REQUIREMENTS SPECIFIED BY BUTLER.

Shape Name = Building - Shape 1, Wall = 4
THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING BESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH.

FOR CONSTRUCTION	

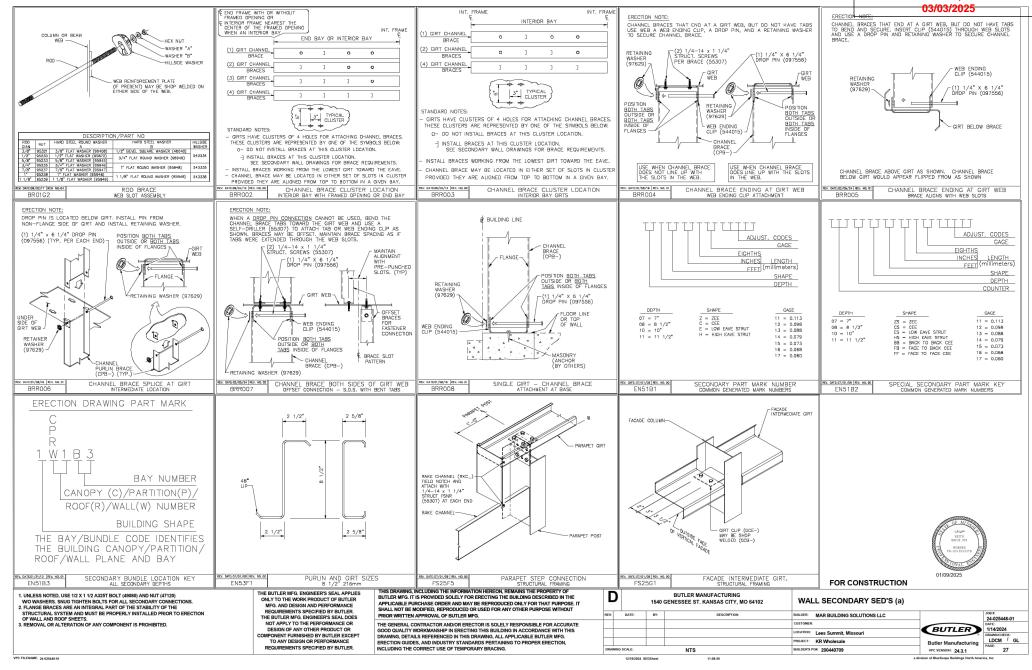
	)	1540	BUTLER MANUFACTURING GENESSEE ST. KANSAS CITY, MO 64102	SEC	ONDARY ELEVATION AT F		
REV:	DATE:	BY:	DESCRIPTION:	BUILDER:	MAR BUILDING SOLUTIONS LLC		JOB #:
-							24-025448-01
				CUSTOMER			DATE:
				LOCATION:	Lees Summit. Missouri	(BUTLER)	1/14/2024
				LOCATION.	Lees Summit, Missouri		DRAWN/CHECK:
				PROJECT:	KR Wholesale	Butler Manufacturing	LDCM / GL
DRAWING SCALE:			NTS	BUILDER'S I	<sup>20#</sup> : 200440709	VPC VERSION: 24.3.1	PAGE: 26

VPC FILENAME: 24-025448-01

1 1'-3"
Dimension Key

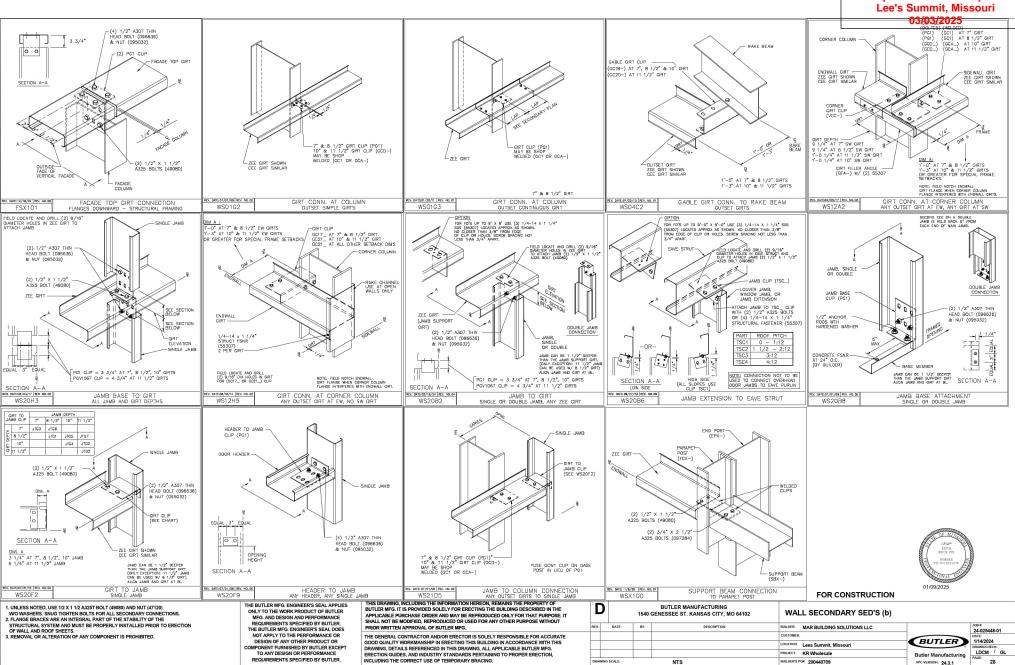
As Noted on Plans Review

Development Services Department Lee's Summit, Missouri



As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri



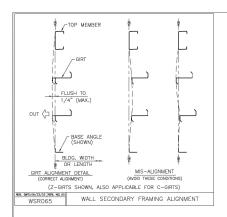
BUILDER'S PO#: 200440709

DRAWING SCALE

28

As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025

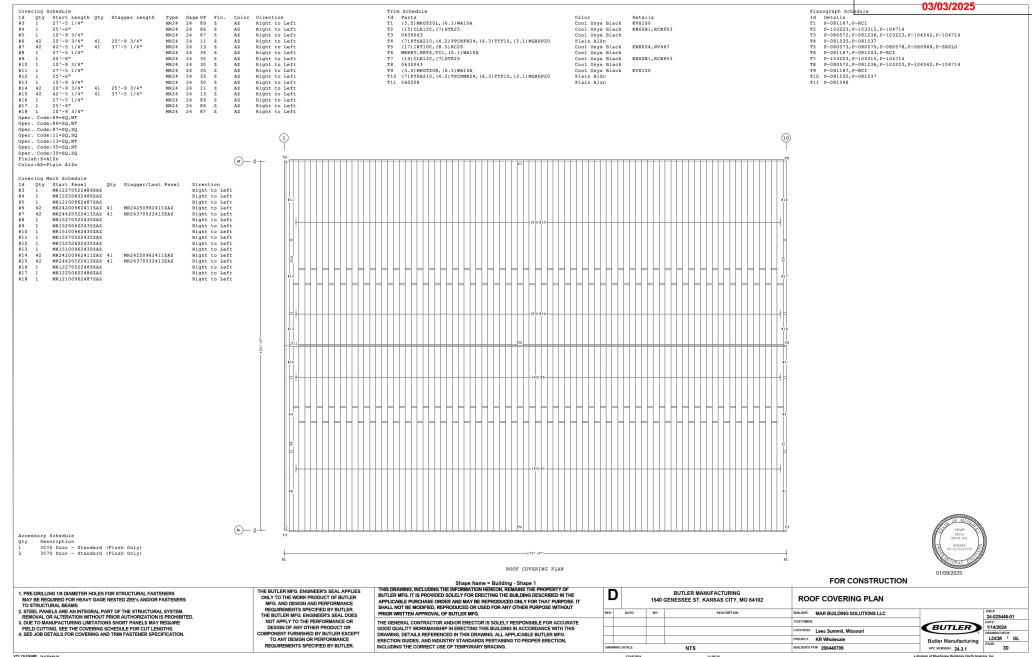




							FOR CONSTRUCTION	01/09/2023	
Of	THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE	THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MF, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT	С	)	1540	BUTLER MANUFACTURING GENESSEE ST. KANSAS CITY, MO 64102	WALL SECONDARY SED'S (c)		
	REQUIREMENTS SPECIFIED BY BUTLER. HE BUTLER MFG. ENGINEER'S SEAL DOES	PRIOR WRITTEN APPROVAL OF BUTLER MFG.	REV:	DATE:	BY:	DESCRIPTION:	BUILDER: MAR BUILDING SOLUTIONS LLC		JOB #: 24-025448-01
	NOT APPLY TO THE PERFORMANCE OR	THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE					CUSTOMER:	CHITLED	DATE: 1/14/2024
	DESIGN OF ANY OTHER PRODUCT OR WPONENT FURNISHED BY BUTLER EXCEPT	GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING. DETAILS REFERENCED IN THIS DRAWING. ALL APPLICABLE BUTLER MFG.					LOCATION: Lees Summit, Missouri	BUTLER	DRAWNICHECK:
	TO ANY DESIGN OR PERFORMANCE	ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION,					PROJECT: KR Wholesale	Butler Manufacturing	LDCM / GL
1	REQUIREMENTS SPECIFIED BY BUTLER.	INCLUDING THE CORRECT USE OF TEMPORARY BRACING.	DRAW	ING SCALE:		NTS	BUILDER'S POW: 200440709	VPC VERSION: 24.3.1	29

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri



As Noted on Plans Review

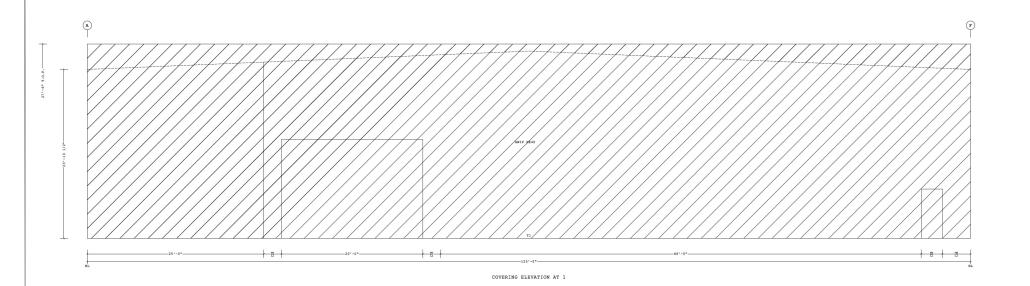
**Development Services Department** Lee's Summit, Missouri 03/03/2025

Trim Schedule Id Parts T1 (5)BA125

Color Galvalume

Details WCX100,WSR065

ERECTION NOTE: Parapet cap trim (14-CTFV8E10 - Cool Onix Black) is provided as optional to be used at builder's earliest Base angle is proivided for builder to field work at NBBMC wall as required.



1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS
MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S ANDIOR FASTENERS
TO STRUCTURAL BEAMS
2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM.
REMOVAL OR ALTERATION WITHOUT PRIOR ALTHORIZATION IS POOHISTED.
3. DILE 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.

THE BUTLER MFG, ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG, ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER RODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE.

REQUIREMENTS SPECIFIED BY BUTLER.

Shape Name = Building - Shape 1, Wall = 1
THIS DRAWING, INCLUDING THE INFORMATION FIREFOR, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING BESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH.

FOR CONSTRUCTION

I	ס	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		cov	/ERING ELEVATION AT 1		
REV	DATE:	BY:	DESCRIPTION:	BUILDER:	MAR BUILDING SOLUTIONS LLC		JOB #: 24-025448-01
Г				CUSTOMER	:		DATE:
Г				LOCATION:	Lees Summit, Missouri	BUTLER	1/14/2024 DRAWNICHECK:
Г				PROJECT:	KR Wholesale	Butler Manufacturing	LDCM / GL
DRAWING SCALE: NTS			NTS	BUILDER'S	PO#: 200440709	VPC VERSION: 24.3.1	PAGE: 31

VPC FILENAME: 24-025448-01

3 4'-0" 2 3'-0" 1 2'-6"

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

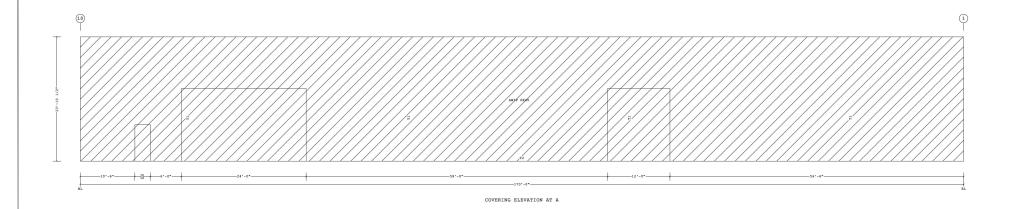
Trim Schedule
Id Parts
T1 0008738,4CE75,(2.5)CP410
T2 (6.8)BA125 Color Cool Onyx Black

Details KV847 WCX100,WSR065

Planograph Schedule
Id Details
T1 P-105224,P-105225,P-105228
T2 ----

ERECTION NOTE:
Base angle is proivided for builder to field work as required.

Galvalume



01/09/2025

3'-0" 1 3'-0"
Dimension Key Shape Name = Building - Shape 1, Wall = 2
THIS DRAWING, INCLUDING THE INFORMATION REPEOR, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING BESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG. FOR CONSTRUCTION THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESION AND PERFORMANCE REQUIEMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESION OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESION OF REFORMANCE 1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS
MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S ANDIOR FASTENERS
TO STRUCTURAL BEAMS
2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM.
REMOVAL OR ALTERATION WITHOUT PRIOR ALTHORIZATION IS POOHISTED.
3. DILE 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. BUTI ER MANUFACTURING D COVERING ELEVATION AT A 1540 GENESSEE ST. KANSAS CITY, MO 64102 BUILDER: MAR BUILDING SOLUTIONS LLC JOB #: 24-025448-01 THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH. BUTLER 1/14/2024 LOCATION: Lees Summit, Missouri Butler Manufacturing LDCM / GL PROJECT: KR Wholesale REQUIREMENTS SPECIFIED BY BUTLER. DRAWING SCALE NTS BUILDER'S PO#: 200440709 VPC VERSION: 24.3.1 32

As Noted on Plans Review

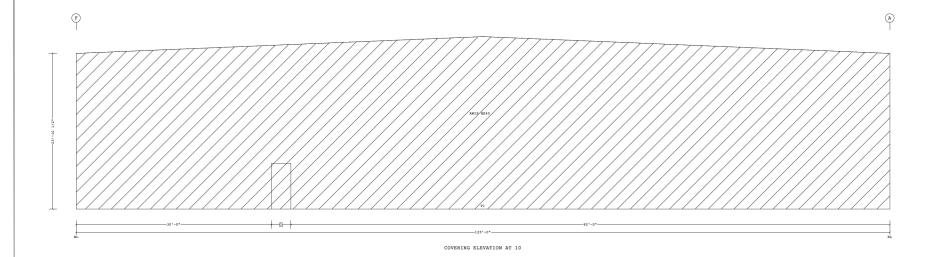
**Development Services Department** Lee's Summit, Missouri 03/03/2025

Trim Schedule Id Parts T1 (5)BA125

Color Galvalume

Details WCX100,WSR065

ERECTION NOTE:
Base angle is proivided for builder to field work as required.



01/09/2025

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS
MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S ANDIOR FASTENERS
TO STRUCTURAL BEAMS
2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM.
REMOVAL OR ALTERATION WITHOUT PRIOR ALTHORIZATION IS POOHISTED.
3. DILE 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.

THE BUTLER MFG, ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER RODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE.

REQUIREMENTS SPECIFIED BY BUTLER.

Shape Name = Building - Shape 1, Wall = 3
THIS DRAWING, INCLUDING THE INFORMATION REPEOR, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING BESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH.

BUTLER MANUFACTURING D **COVERING ELEVATION AT 10** 1540 GENESSEE ST. KANSAS CITY, MO 64102 BUILDER: MAR BUILDING SOLUTIONS LLC LOCATION: Lees Summit, Missouri PROJECT: KR Wholesale

BUILDER'S PO#: 200440709

FOR CONSTRUCTION

JOB #: 24-025448-01 BUTLER 1/14/2024 Butler Manufacturing DRAWNICHECK:
LDCM / GL
PAGE:
22 VPC VERSION: 24.3.1 33

1 3'-0"
Dimension Key

DRAWING SCALE

As Noted on Plans Review

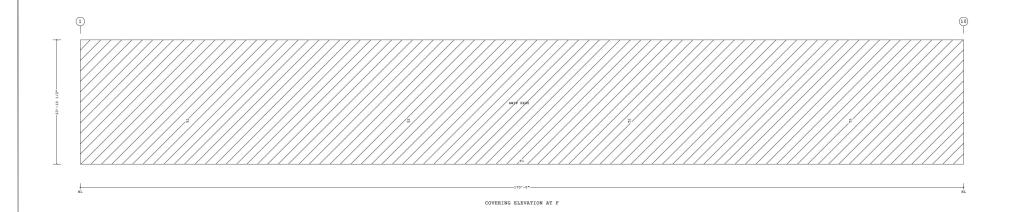
**Development Services Department** Lee's Summit, Missouri 03/03/2025

ERECTION NOTE:
Base angle is proivided for builder to field work as required.

Details WCX100,WSR065 KV847

Planograph Schedule Id Details

T1 ---T2 P-105224, P-105225, P-105228





1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE-S ANDIOR FASTENERS TO STRUCTURAL BEAMS STATEMENT OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED. 3. DUE TO MANUFACTURING IMMITTON SHORT PRICES MAY REQUIRE FILE OUTTING, SEE THE COVERING SCHEDULE FOR CUT LENGTHS. 4. SEE JOB DETAILS FOR COVERNOR AND TRIM FASTERER SPECIFICATION.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESION AND PERFORMANCE REQUIEMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESION OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESION OF REFORMANCE

Shape Name = Building - Shape 1, Wall = 4
THIS DRAWING, INCLUDING THE INFORMATION REPEOR, REMAINS THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING BESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUTLER MFG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ETAIL SPETERNEED IN THIS DRAWING, ALL APPLICABLE BUILDILG WIFE, ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH.

BUTI ER MANUFACTURING D COVERING ELEVATION AT F 1540 GENESSEE ST. KANSAS CITY, MO 64102 BUILDER: MAR BUILDING SOLUTIONS LLC LOCATION: Lees Summit, Missouri PROJECT: KR Wholesale

JOB #: 24-025448-01 BUTLER 1/14/2024 Butler Manufacturing LDCM / GL VPC VERSION: 24.3.1

34

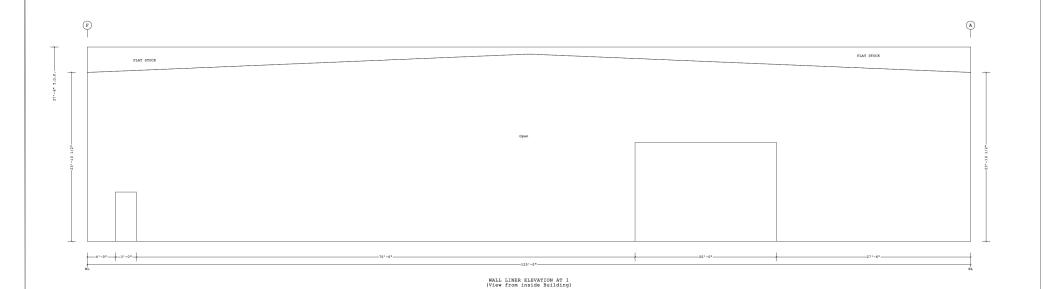
FOR CONSTRUCTION

REQUIREMENTS SPECIFIED BY BUTLER. DRAWING SCALE NTS BUILDER'S PO#: 200440709 VPC FILENAME: 24-025448-01

As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

ERECTION NOTE:
Flat stock is provided for the builder
to use as backer panel, flat stock
provided will cover 330 sq. ft. approx.
Material provided:
(11) FSTKB10 - Plain AlZn



Shape Name =	Building - Shape	1. Wall = 1

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS
MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S ANDOR FASTENERS
TO STRUCTURAL BEAMS
TO STRUCTURAL BEAMS
REMOVAL OR ALTERATION WITHOUT PRIDER AUTHORIZATION IS PROHIBITED.
BEAMPOYAL OR ALTERATION WITHOUT PRIDER AUTHORIZATION IS PROHIBITED.
B. DUE TO MANUFACTURING BUINTATIONS SHORT PANELS MAY REGUE
FIELD CUTTING, SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
A SEE JOB DETAILS FOR COVERING AND TRIM PASTENER SPECIFICATION.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

Shape Name = Building - Shape 1, Wall = 1
THIS DRAWING, INCLUDING THE INFORMATION HEREOK, REAMBN THE PROPERTY OF
BUTLER MFG, IT IS PROVIDED SOLELY FOR EXECTING THE BUILDING DESCRIBED IN THE
APPLICABLE PURCHASE ORDER AND MAY BE REPROJUCED ONLY FOR THAT PURPOSE. IT
SHALL NOT BE MODIFIED, REPRODUCED ON USED FOR ANY OTHER PURPOSE WITHOUT
PRIOR WRITTEN APPROVAL OF BUILDE MFG.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BULLDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCE OF ITHIS DRAWING, DETAIL REPERENCE OF ITHIS DRAWING, DETAIL REPERENCE OF ITHIS DRAWING, ALL APPLICABLE BUILDER WIFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH.

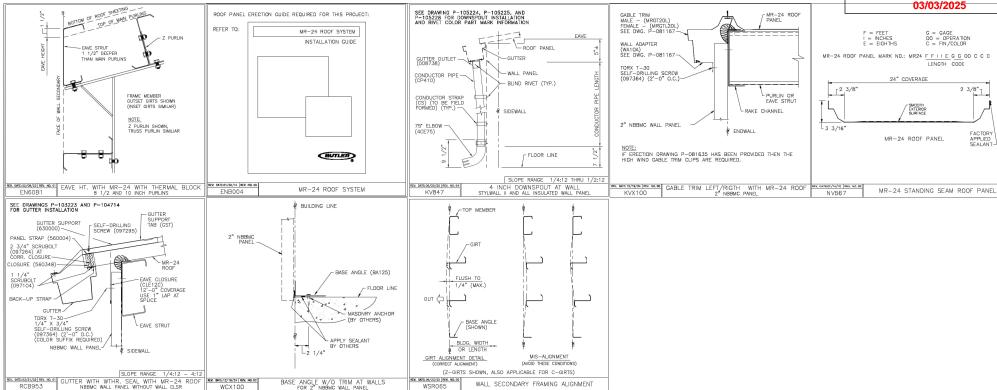
## FOR CONSTRUCTION

D		)	1540	BUTLER MANUFACTURING GENESSEE ST. KANSAS CITY, MO 64102	WALL LINER ELEVATION AT 1			
	REV:	DATE:	BY:	DESCRIPTION:		08 #: 24-025448-01		
					CUSTOMER: DA	ATE:		
						1/14/2024 RAWNICHECK:		
						LDCM / G		
	DRAWING SCALE: NTS			NTS	BUILDER'S POR: 200440709 VPC VERSION: 24.3.1	AGE: 35		

VPC FILENAME: 24-025448-01

As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025





#### FOR CONSTRUCTION

THE BUTLER MFG. ENGINEERY SEAL APPLIES ONLY TO THE WOOK PRODUCT OF BUTLER MFG. AND DESION AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER MFG. ENGINEERY SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OF PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

THIS DIKAMING, INCLUDING THE INFORMATION HEBEON, REMAINS THE PROPERTY OF BUTLER MYG, IT IS FONDINGS DICKLY FOR ERECTION THE BUILDING SCRIBED IN THE APPLICABLE PURCHASE GORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER MFG.

THOSE WINI LET APPROVING THE GREETER IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, LET ALL APPLICABLE BUILDING IN ACCORDANCE WITH THIS DRAWING, LET ALL APPLICABLE BUILDING IN ACCORDANCE WITH THIS DRAWING, LAL APPLICABLE BUILDING IN EXCEPTION QUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRANCH.

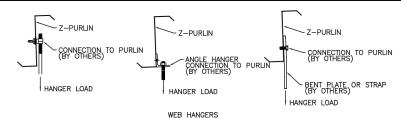
E	)	1540	BUTLER MANUFACTURING GENESSEE ST. KANSAS CITY, MO 64102	COVERING & TRIM SED'S						
REV:	DATE:	BY:	DESCRIPTION:	BUILDER: MAR BUILDING SOLUTIONS LLC						
П				CUSTOMER:						
П				LOCATION: Lees Summit, Missouri	BUTLER					
П				PROJECT: KR Wholesale	Butler Manufacturing					
DRAW	VING SCALE:		NTS	BUILDER'S PO#: 200440709	VPC VERSION: 24 3 1					

12/18/2024 SEDSheet 11:09:05

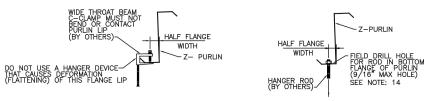
24-025448-01
DATE:
1/14/2024
DRAWNICHECK:
LDCM / GL
PAGE:
36

As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025



FOR 1/2" DIAM. BOLT TO PURLIN CONNECTION— MAX HANGER LOAD=1500lbs PURLIN MUST BE SPECIFICALLY DESIGNED FOR LOADS GREATER THAN 500 LB. SEE NOTE: 2.



VERIFY OVERALL PURLIN DESIGN CAN TAKE APPLIED LOADS. SEE NOTE: 2

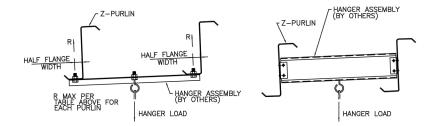
MAXIMUM LOAD SUSPENDED FROM BOTTOM FLANGE (LOCATED AT HALF-FLANGE WIDTH)						
THICKNESS	MAX LOAD	THICKNESS	MAX LOAD			
0.060"	110lbs	0.088"	200lbs			
0.068"	120lbs	0.098"	250lbs			
0.073"	140lbs	0.030	250105			
0.079"	180lbs	0.113"	250lbs			

FOR LOADS LOCATED MORE THAN HALF FLANGE WIDTH FROM WEB. USE HALF OF THE LOADS SHOWN ABOVE.

BOTTOM FLANGE CLAMP HANGER
(TOP FLANGE SIMILAR)

BOTTOM FLANGE ROD HANGER
(TOP FLANGE SIMILAR)

DO NOT USE ANY OF THE DETAILS ABOVE IF ROOF SLOPE IS GREATER THAN 4:12



DOUBLE PURLIN HANGERS\_
VERIFY OVERALL PURLIN DESIGN CAN SUPPORT APPLIED LOADS.

#### GENERAL NOTES

- 1. CONCENTRATED LOADS GREATER THAN 500lbs ON ANY SINGLE PURLIN MUST BE EXPLICITLY LOCATED AND DESIGNED FOR DURING DESIGN OF BUILDING SYSTEM.
- 2. SPECIFIED COLLATERAL LOADS MAY BE CONVERTED TO SAFE CONCENTRATED LOADS AS FOLLOWS, WHERE P  $\approx$  MAX CONCENTRATED LOAD(bb): W = UNIFORM COLLATERAL LOAD (PSF) x PURLIN SPACING (ft) = lbs/ft; L = PURLIN SPAN (ft). HANGERS SHOULD BE SPACED APPROX. EQUAL.

 IP
 IP

P MAX= 0.2wl P MAX= 0.15wl 6 OR MORE HANGERS PER PURLIN P MAX= W x HANGER SPACING

EXAMPLE: A PIPE IS SUSPENDED FROM A PURLIN AT 3 LOCATIONS EQUALLY SPACED

BAY SPACING = 24'-0"

SPECIFIED COLLATERAL LOAD = 5 PSF

W = 5 PSF x 5' = 25 PLF L = 24'-0"

PMAX = 0.25 x 25 PLF x 24'-0" = 150 LBS AT EACH LOCATION

THE PURLIN CAN SUPPORT 3 LOADS UP TO 150 LBS EACH. PICK A HANGER CONNECTION

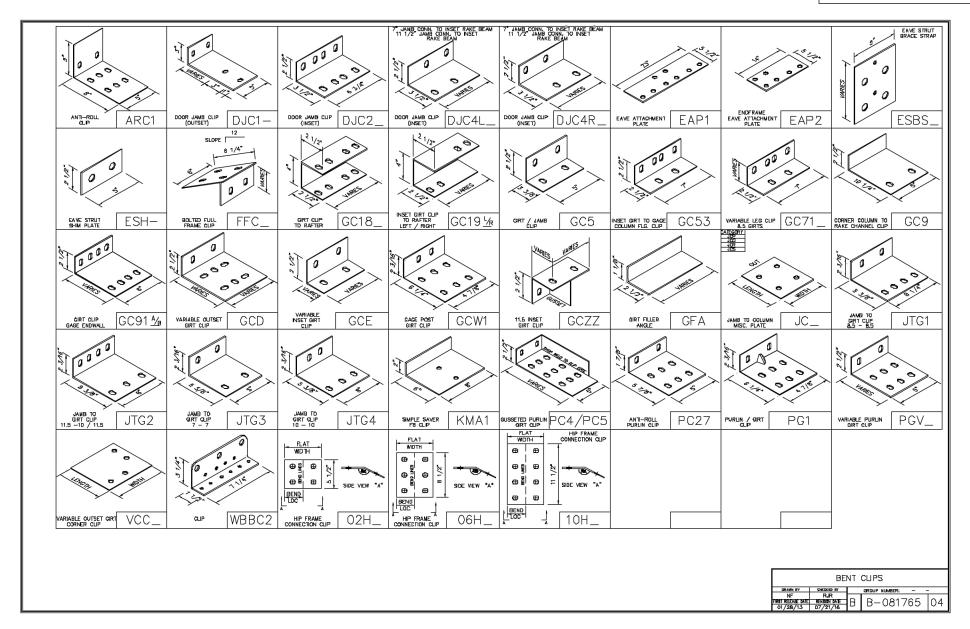
CAPABLE OF SUPPORTING ACTUAL APPLIED LOADS.

- 3. FOR LOADS GREATER THAN 250 lbs, PURLINS MUST BE "BLOCKED" AT LOCATION OF LOAD TO PREVENT PURLIN ROTATION.
- 4. EQUIPMENT LOADS SHOULD BE OBTAINED FROM CERTIFIED EQUIPMENT DRAWINGS AND MANUFACTURER'S DATA.
- 5. Z-PURLINS WILL DEFLECT UNDER SNOW AND WIND LOADS. ITEMS THAT MAY BE DAMAGED DUE TO DEFLECTIONS, (EX. GAS LINES), VERIFY THAT PIPES OR SUSPENDED EQUIPMENT ARE COMPATIBLE WITH EXPECTED DEFLECTION RANGES (±L/180).
- 6. THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REQUIRES SPRINKLER HANGERS TO BE DESIGNED FOR A MINIMUM LOAD OF FIVE TIMES THE WEIGHT OF THE WATER-FILLED PIPE PLUS 250 POLINDS. THE HANGER ITSELF MUST BE ABLE TO SUPPORT THIS LOADING, IT IS NOT NECESSARY TO DESIGN THE SUPPORTING MEMBER FOR THIS LOAD IN COMBINATION WITH THE DESIGN LOADS.
- 7. SUSPENDED LOADS WILL NEED TO BE BRACED (TO THE PRIMARY FORCE RESISTING SYSTEM) FOR LATERAL STABILITY DUE TO EARTHOUAKES.
- 8. HANGER DESIGN IS NOT THE RESPONSIBILITY OF BLUESCOPE.
- 9. TOP FLANGE HANGERS SHOULD BE AVOIDED ON BUILDINGS WITHOUT INSULATION SPACER BLOCKS ON TOP OF THE TOP FLANGE. IF TOP FLANGE HANGERS ARE REQUIRED, PLACE THE HANGERS AT THE ROOF PANEL MAJOR CORRUGATION LOCATION TO AVOID DAMAGING THE ROOF PANEL WITH THE HANGER WHEN THE ROOF PANEL IS LOADED OR WALKED ON.
- 10. WHEN BEAM C-CLAMPS OR OTHER ROD HANGERS ARE USED ON THE TOP FLANGE, THE ROD SHOULD NOT EXTEND ABOVE THE TOP OF THE CLAMP TO AVOID DAMAGING THE ROOF PANEL WITH THE ROD WHEN THE ROOF PANEL IS LOADED OR WALKED ON.
- 11. DO NOT HANG ANY TYPE OF CRANE, HOIST, CONVEYOR OR ANY MOVING LOADS FROM THE Z-PURLINS.
- 12. DO NOT HANG ANY LOAD FROM BBNA SUPPLIED PURLIN BRACES OR BRIDGING.
- 13. DO NOT WELD ANY PART OF THE Z-PURLIN.
- 14. HOLES MUST NOT EXCEED 9/16" DIAMETER UNLESS AUTHORIZED BY BBNA ENGINEER. DRILL OR REAM HOLES WHEN REQUIRED— DO NOT FLAME CUT

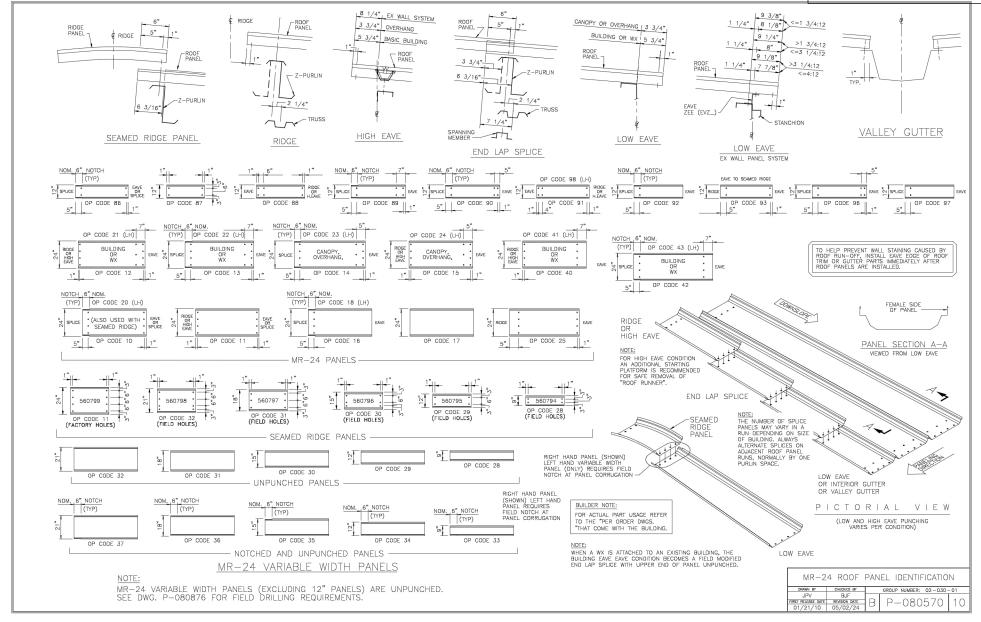
CONCENTRATED LOADS ON ROOF
Z-PURLIN HANGER DETAILS

| DRAWN BY | CHEDICED BY | GROUP NUMBER: 80-054-01 | REVERTITE | REBENTON | | REST REJAGE DATE | ROSSON DATE | 02/26/20 | B | B - 081465 | 09

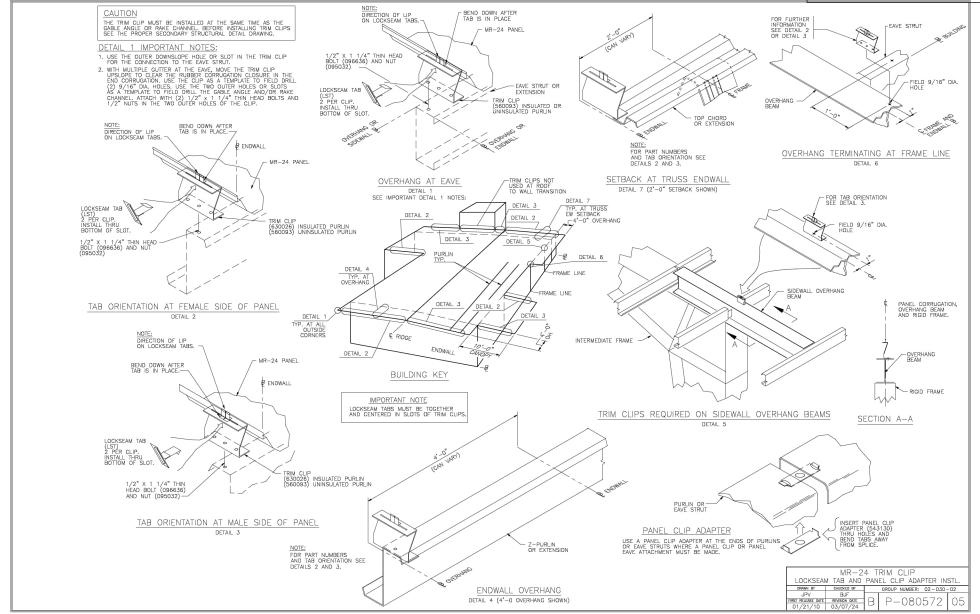
As Noted on Plans Review



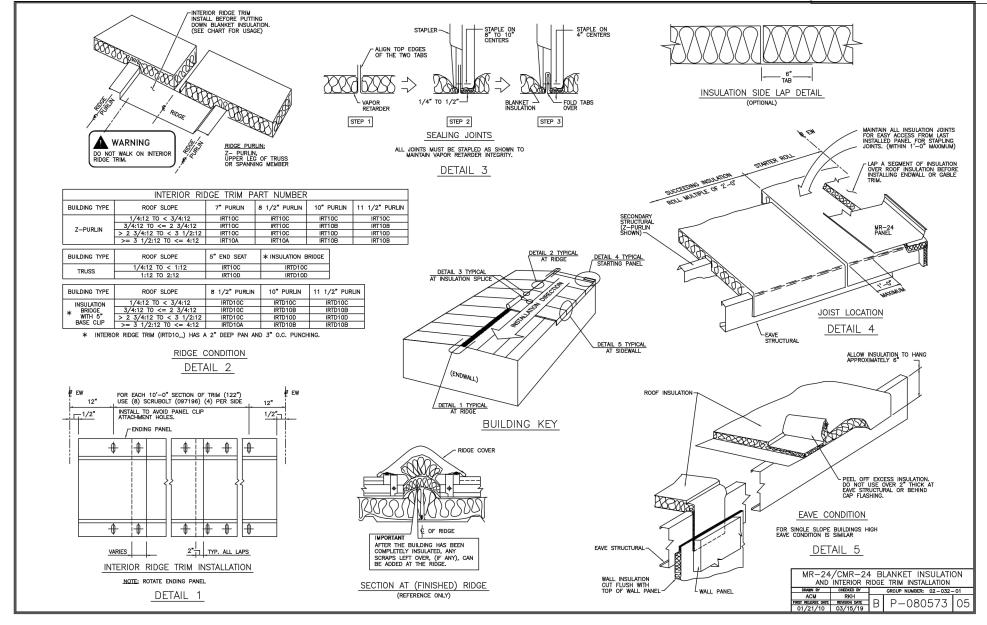
As Noted on Plans Review



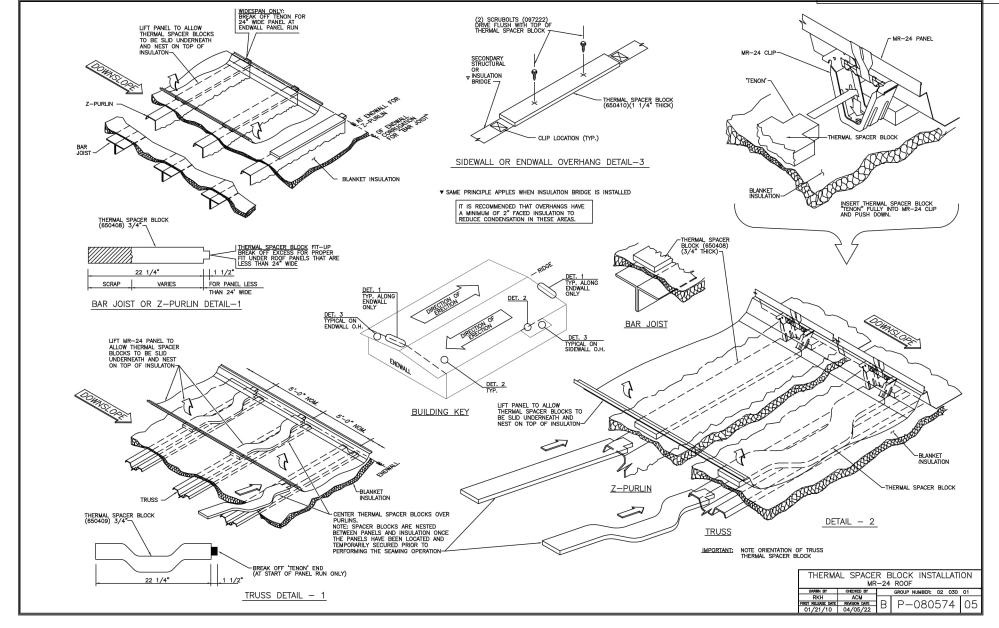
As Noted on Plans Review



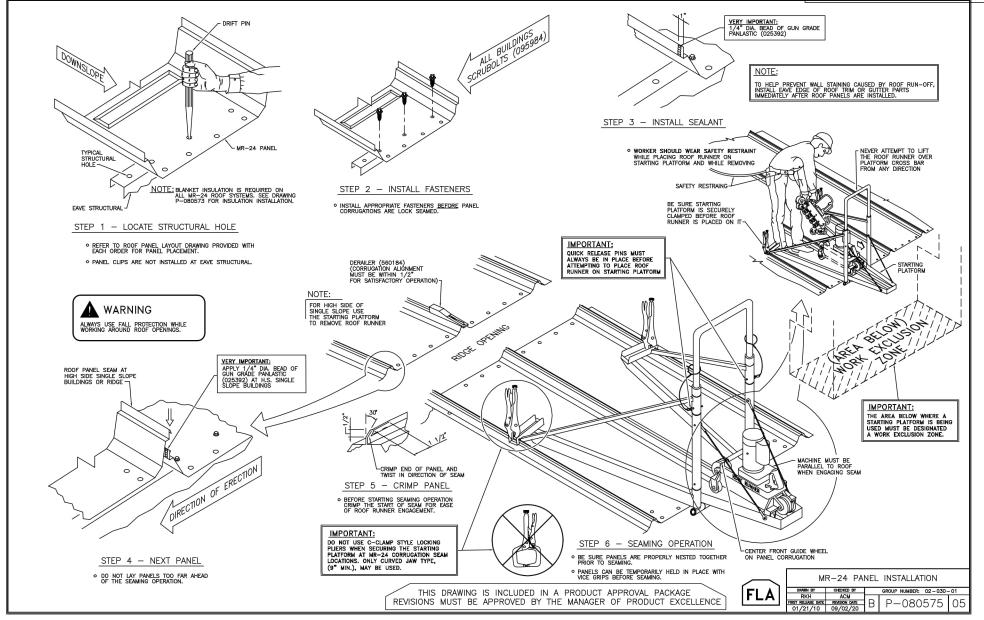
As Noted on Plans Review



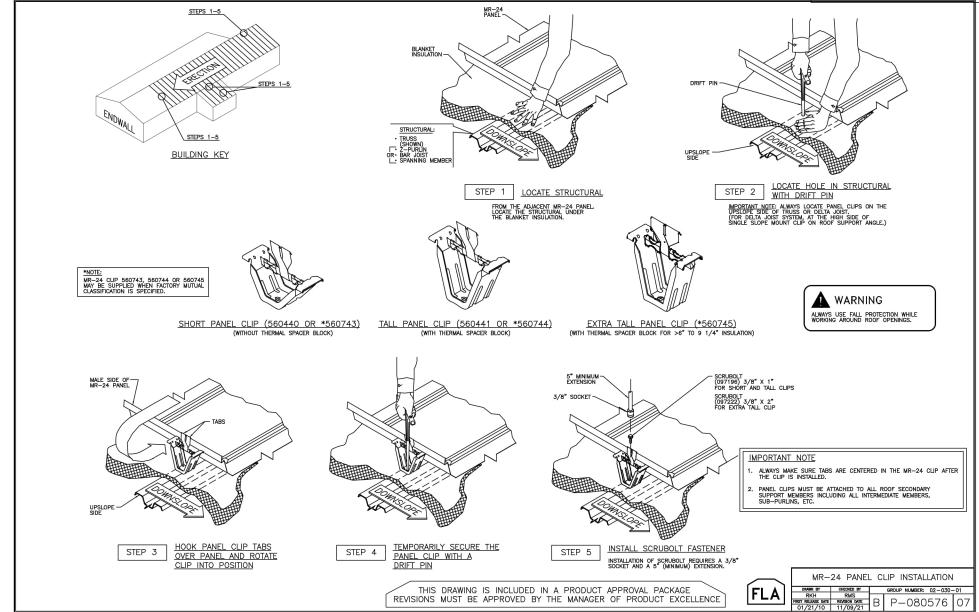
As Noted on Plans Review



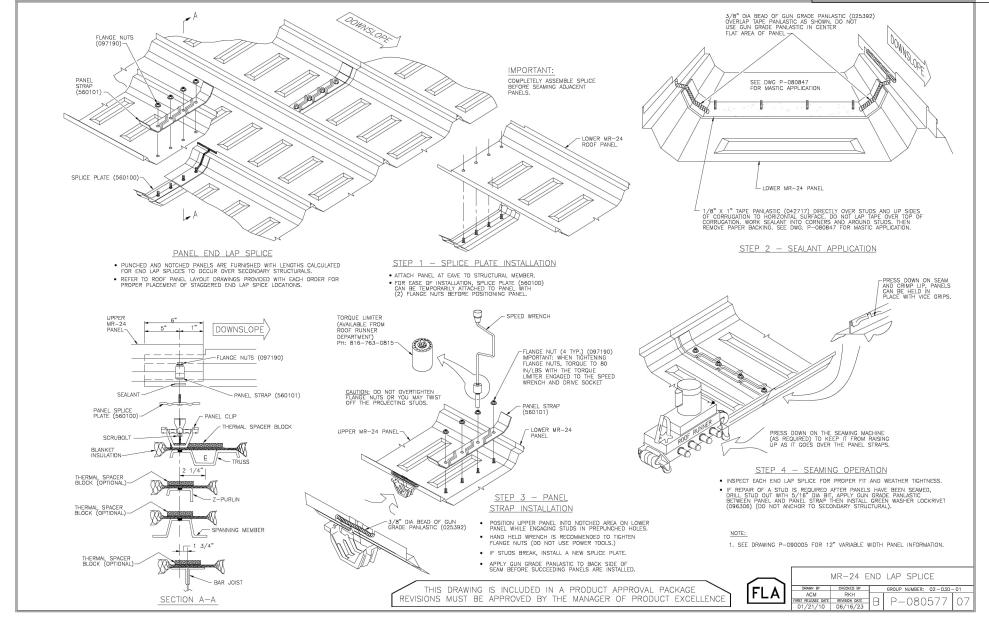
As Noted on Plans Review



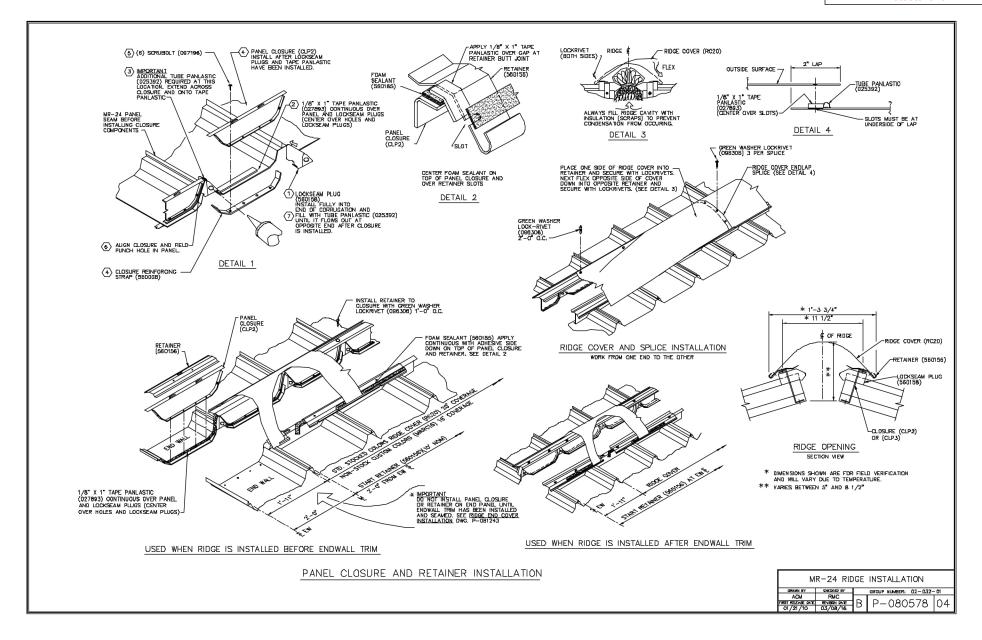
As Noted on Plans Review



As Noted on Plans Review



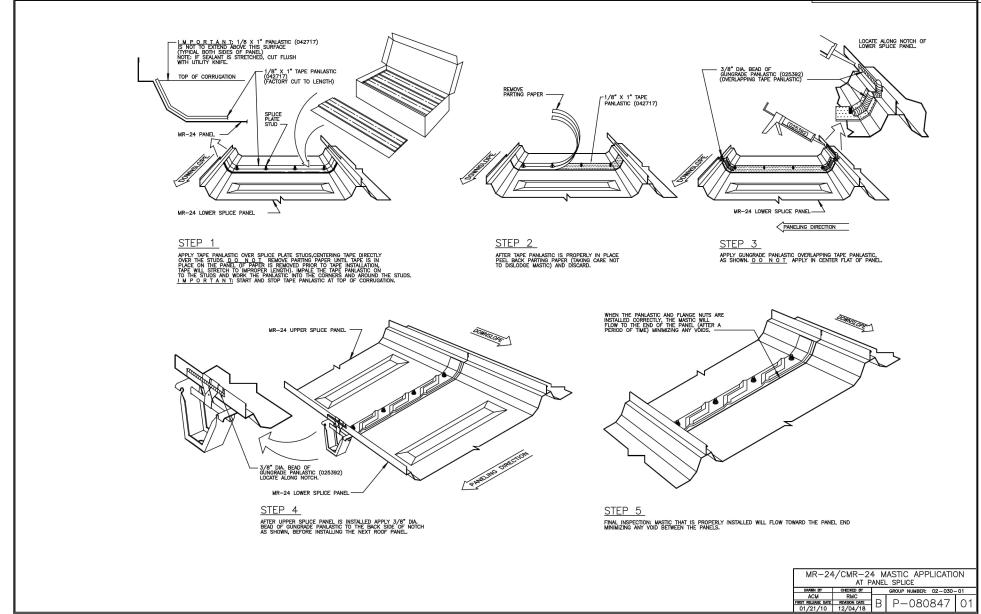
As Noted on Plans Review



As Noted on Plans Review

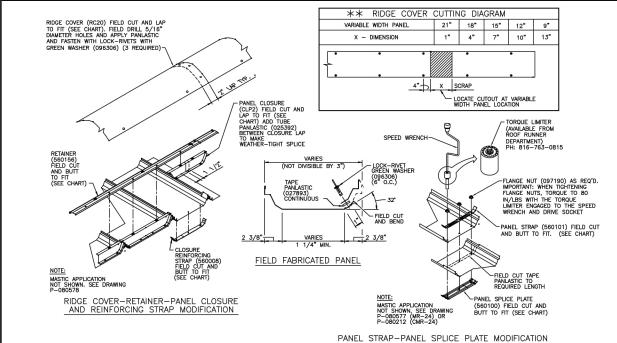
**Development Services Department** Lee's Summit, Missouri 03/03/2025

P-080847



As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025



	PANELING COMPONENTS CUTTING DIAGRAM CHART											
S T A	WIDTH	PANEL CLOSURE (CLP2)	[ (560004)			CLOSURE REINFORCING STRAP	** RIDGE RETAINER (560156) 10'-0" LENGTHS (TYP. BOTH SIDES)					
N D A R D	24"	(SEE NOTÉ: 1)	(SEE NOTE: 2)	(SEE NOTE: 2)	(SEE NOTE: 2)	(560008) (SEE NOTE: 2)	(SEE NOTE: 2) 24" PNL. 24" PNL. 24" PNL.					
v	21"	8 1/4" 8 1/4" 1 1/2" SCRAP		* * * 7 1/2*3* 7 SCRAP	1/2		24* PNL 21* PNL 24* PNL 8* 43* SCRAP					
R	18"	6 3/4* 6 3/4* 4 1/2* SCRAP		* *//// 7_1/2*_6* SCRA	4 1/2*		24" PNL 18" PNL 24" PNL 8" 6" SCRAP					
A	15*	8 1/4* SCRAP 7 1/2* 2 1/4*		7 1/2 9 SCF	1 1/2"		24" PNL					
L	12"	SEE DRAW	WING P-090005 FOR 12" VARIABLE WIDTH PANEL INFORMATION									
E	9"	SCRAP 2 1/4" 15 1/2" 2 1/4"		1 1/2" 15" SCRAF	1 1/2		24* PNL "9* PNL" 24* PNL					

	PANEL HOLE PATTERN DIAGRAM								
,	RIDGE								
	NIDGE	EAVE BUILDING/WX 6"1"	SPLICE (HIGH END)	(LOW END)					
PANEL WIDTH		санору/о.н. 4"1"			TRANSVERSE DIMENSIONS				
			5*						
					*6				
21.		<u> </u>	: }		— <u>15</u>				
-					, in				
_					- h				
<u>*</u> 6					*©				
					in in				
					in.				
15					- <del>1</del>				
					in in				
12*	SEE DRAW	NG P-090005 FO	R 12" VARIABLE	WIDTH PANEL IN	FORMATION				
					13,				
6					3"-				

 $\star$  all field drilled holes 5/16" diameter longitudinal hole location dimensions are critical errors in field drilling location will accumulate and cause ridge fit—up difficulty.

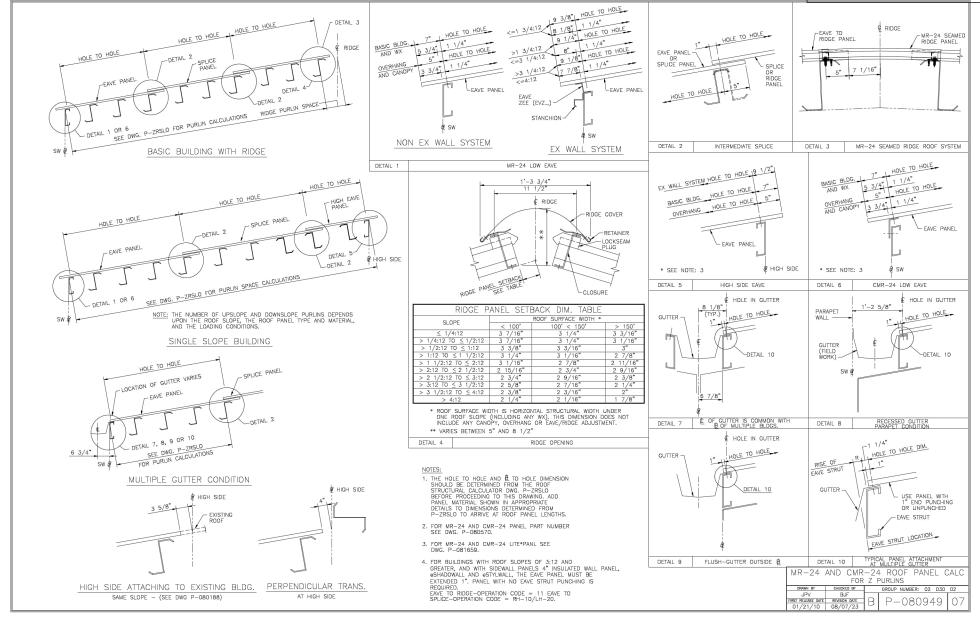
\*\* THE RIDGE COVER/RETAINER CUTTING DIAGRAM IS ONLY APPLICABLE TO A SINGLE RUN OF THE 12" VARIABLE WIDTH PANEL LOCATED WITH IN THE INTERIOR OF THE BUILDING, CUTTING DETAIL IS NOT APPLICABLE TO MULTIPLE ADJACENT RUNS OR TO A SINGLE RUN OF 12" PANELS LOCATED AT THE CROWALLS OF THE ROOF.

#### NOTES:

1. CUT PANEL CLOSURE AS SHOWN AND LAP 1 1/2".
2. CUT PARTS AS SHOWN AND BUTT TOGETHER.

MR-24/CMR-24 VARIABLE WIDTH PANELS FIELD WORK DETAILS						
DRAWN BY	CHECKED BY	GROUP NUMBER: 02 - 030 - 01				
ACM	RMC	_				
FIRST RELEASE DATE		I R	P-080876	N 3		
01/21/10	08/06/18	ב	1 000070	00		

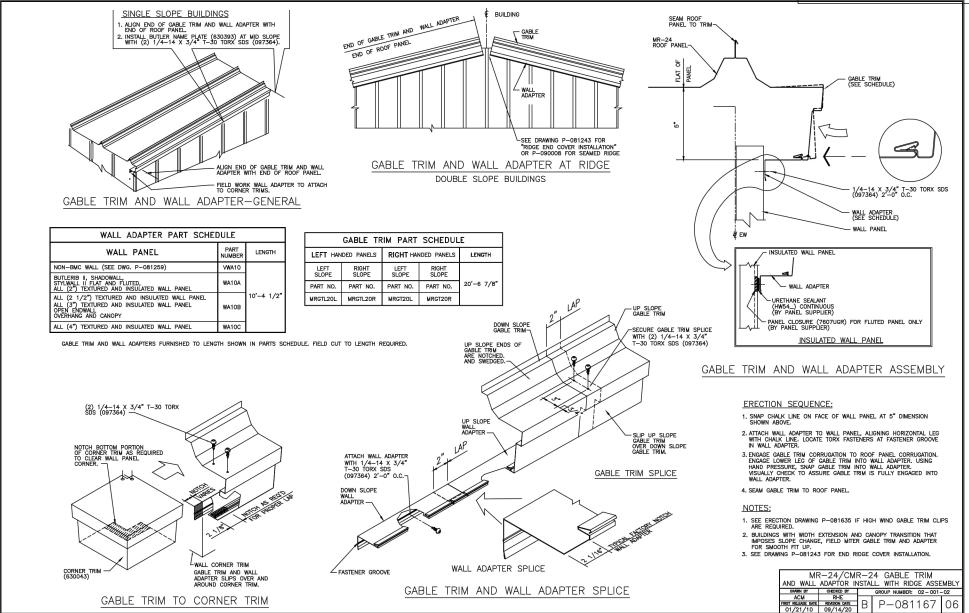
As Noted on Plans Review



As Noted on Plans Review

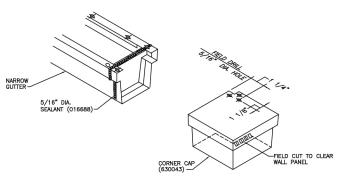
					_			_			
CATECORY	DRAWING TITLE	DWG. NO.	CATECORY	DRAWING TITLE	DWG, NO.	CATEGORY	DRAWING TITLE	DWG. NO.	CATEGORY	DRAWING TITLE	DWG. ND.
	MR-24 ROOF SYSTEM ERECTION MANUAL	P-004797		WIDE GUTTER, ASSELY. AND COMP'NTS.	P-DB00B2		WALL PNL CALC, (ROOF TO WALL TRANS.)	P-080818		THERMAL SPACER BLOCK INSTALLATION	P- D80574
	MR-24 WIDTH ADDITION TO EXISTING BLDG. MAXIMUM 50 FT. SAME SLOPE	P-080188	1	WIDE GUTTER INSTALLATION WITHOUT WEATHERSEAL	P-080088	1	FLEXIBLE SEAL INSTALLATION STEPPED ROOF OR ROOF TO WALL TRANS.)	P-081525		SKY-WEB PRODUCT DETAILS	P-080940
	MR-24 RDQF PANEL IDENTIFICATION	P-080570	1	WIDE GUTTER WITH WEATHERSEAL	P-080089		SUPPORT MEMBER INSTALL (STEPPED ROOF)	P-081526		SKY-WEB INSTALL, ON BLDG, STRUCT, SKY-WEB ATTACHMENT DETAILS	P-080941 P-080942
	MR-24 TRIM CLIP LOC. LOCKSFAM TAB		1	MR/CMR-24 WEATHERSEAL FOR LOCAL TRIM	P-080377		STEPPED ROOF FLASH'G INSTALLATION	P-081528		SKY-WEB ASSEMBLY DAMAGE	P-080950
	AND PNL CUP ADAPTER	P-080572		MR/CMR-24 HIGH EAVE PNL CLOSURE FOR LOCAL TRIM	P-080378		END COVER INSTALLATION PERP, ROOF TRANSITION	P-081530		IFCURE INSTALLATION PROCEDURES	P-081153
	MR-24 PANEL INSTALLATION MR-24 PANEL CLIP INSTALLATION	P-080575 P-080578	-	MR/CMR-24 RIDGE TRANSITION AND EXTENSION			PARALLEL TRANS SUPT ANGLE INSTALL	P-081531		PANEL PREPARATION  IFOURS INSTALLATION PROCEDURES	_
	MR-24 END LAP SPLICE	P-080578	1	MR/OMR-24 DRIP ANGLE INSTALL.	P-080720		(CMR-24 AND UN-INSUL PURUN W/ MR-24) SHORT PARALLEL TRANSITION		-	DIVERTER PLATE AND CURB	P-DB1154
	MR-24 RIDGE INSTALLATION	P-000578	1	MR/CMR-24 WEATHERSEAL FOR LCCAL TRIM	P-080802	]	PANEL INSTALLATION	P-081532		IFCURE INSTALLATION ELEVATED FRAME AT CARRY BEAMS	P- 081654
	MR/CMR-24 HAND SEAMER INSTRUCTIONS	P-08060D	1	GABLE TRIM AND WALL ADAPTER INSTALLATION (WITH RIDGE ASSEMBLY)	P-D81167		PARALLEL TRANS. SUPT ANGLE INSTALL (INSULATED PURLIN)	P-D81534		IFCURE INSTALLATION	P- 081655
	MR/CMR-24 VALLEY FLASH, PNL PREP.	P-080783	-	INSIDE CORNER TRIM INSTALLATION-	P-081235	1	TALL PARALLEL TRANSITION	P-081535		DOUBLE WALL — PURLIN CUTTING REQ"D IFCURB INSTALLATION	
	MR/CMR-24 VALLEY FLASH, PARTS INSTALL, MR/CMR-24 VALLEY FLASH, DETAILS	P-080784 P-080785	-	NARROW CUTTER TO CABLE TRIM NARROW CUTTER CORNER CAP INSTALL			PAREL INSTALLATION PARA / PERP TRANS. (SHORT AND TALL)		-	DOUBLE WALL - NO PURLIN CUTTING RED'D	P-081656
	MR/CMR-24 HIP RIDGE PNL PREP.	P-080786	1	INSTALLATION BUTLERIB II, MR-24/CMR-24	P-081236		COUNTER FLASHING INSTALLATION	P-081537		IFCURE INSTALLATION  CARRY BEAMS - PURLIN CUTTING REGI'D	P- DB1 657
	MR/CMR-24 HIP RIDGE PARTS INSTALL.	P-000787	1	EAVE TRIM INSTALLATION	P-081239		PARALLEL TO PERP. TRANSITION INSIDE CORNER WITHOUT CORRUGATION	P-081539		I FOURS INSTALLATION	P- D81658
	MR/CMR-24 HIP RIDGE DETAILS	P-080788	]	WIDE GUTTER, CORNER TRIM AND COLLECTOR BIOX INSTALL.	P-D81240		PARALLEL TO PERP. TRANSITION	P-081541	ACCES-	CARRY BEAMS - NO PURLIN CUTTING REQ'D	P- 081659
	MR-24 HS EAVE CLIP AND PNL CLIP RECMT.	P-080789	1	WIDE GUTTER SEALANT	P-081241	1	INSIDE CORNER WITH CORRUGATION RIDGE TO WALL SHORT TRANS. (W/O CORR.)	P-081546	SORIES	UNINSULATED LITE*PANL-UNINSULATED PURLIN	P- DB1 660
	MR/CMR-24 MASTIC APPLICATION MR/CMR-24 VARIABLE WIDTH PANELS	P-080847 P-080876	TRIM	AND SUPPORT CHANNEL INSTALLATION RIGGE END COVER INSTALLATION			RIDGE TO WALL SHORT TRANS, (W/CORR.)	P-081547	-	INSULATED LITE*PANL-UNINSULATED PURLIN	P- DB1 B61
ROOF	MR/CMR-24 CORR. END DEFLECTOR	P-080918	1	(WITH RIDGE ASSEMBLY)	P-081243		RIDGE TO WALL TALL TRANS. (W/O CORR.)	P-081548		UNINSULATED LITE*PANL-INSULATED PURLIN	P-DB1562
PANELING	MR/CMR-24 SEAM REINFORCING CLIP ASSBLY.	P-080951	1	INSIDE CORNER TRIM INSTALLATION	P-081244		RIDGE TO WALL TALL TRANS. (W/CORR.)	P-081549		INSULATED LITE*PANL-INSULATED PURLIN UL 90 UNINSULATED LITE*PANL	P-081663
	MR-CMR-24 ROOF WITHOUT RIDGE	P-081257	1	WIDE GUTTER INSIDE CORNERS	P-D81248	TRANSI— TIONS	PARALLEL TO PERP. TRANSITION INSIDE/OUTSIDE CORNER WITH CORR.	P-081552		FOR UNINSULATED PURLINS	P-DB1564
	MR-24 SUB PURLIN INSTALLATION	P-081598	1	VARIABLE WALL ADAPTER INSTALLATION	P-081259	IIUNS	PARALLEL TO PERP. TRANSITION	P-081563		UL 90 INSULATED LITE*PANL FOR UNINSULATED PURLIN	P- DB1 B65
	MR-24 SEAMER PLATFORM ASS'Y AND USAGE MR-24 REPAIR CLIP INSTALLATION	P-081616 P-081680		EW TRIM REINFORCING CLIF	P-081635	1	INSIDE/OUTSIDE CORNER WITHOUT CORR.		1 [	UL 90 UNINSULATED LITE*PANL	P- 081666
	MR-24 KEFAIR CLIF INSTALLATION MR-24/CMR-24 PANEL CLOSURE INSTALL	P-103247	1	(HIGH WIND LOAD APPLICATION) NARROW GUTTER ASSEMBLY	P-103223	5	STEPPED ROOF (WITH SUPPORT MBR.)	P-081554		FOR INSULATED PURLIN UL 90 INSULATED LITE*PANL	
	MR-24 ENDWALL EXT./ROOF REPLACEMENT	P-105528	i	MR/CMR-24 GUTTER EXPANSION JOINT	P-103315		PERPENDICULAR R TO WITRANSITION WITH SOUD WALL	P-D81564	-	FOR INSULATED PURLIN	P-081667
	MR-24/CMR-24 PANEL CLOSURE INSTALL.	P-105634	]	BIRD STOP INSTALL - CABLE TRIM	P-104542		PERPENDICULAR R TO W TRANSITION	P-081588		LITE*PANL REPLACEMENT - DRAWING 1 OF 1	P- DB1 681
	MR-24 SINGLE PANEL REPAIR	P-107656	]	SOFFIT TRIM DETAILS	P-104544	49 13	PERPENDICULAR TRANSITION SHORT PERP. FLASHING INSTALLATION	P-081572		RIDGE VENTILATOR DETAILS RIDGE VENTILATOR PREPARATION DETAILS	P-107551 P-107552
	MR-24/CMR-24 PANEL REPAIR CAP INSTALL.	P-107657	-	CORNER CAP INSTALLATION EAVE TRIM	P-104549		PERPENDICULAR TRANSITION WITH OPEN WALL	P-081573		RIDGE VENTILATOR INSTALLATION	P-107553
	MR-24/CMR-24 MULT, PANEL REPAIR AND DET.	P-107743		NARROW GUTTER INSTALL W/D WEATHERSEAL	P-104713		TALL PERP, FLASHING INSTALLATION PARALLEL TRANSITION INSTALLATION			CONTINUOUS RIDGE VENTILATOR INSTALL	P-107559
	MR-24 MULTIPLE PANEL REPAIR	P-107744	]	NARROW GUTTER INSTALL, W/WEATHERSEAL	P-104714	]	TO EXISTING BLDG — NO WIDTH ADD.	P-081613			
	MR-24 MULTIPLE PANEL REPAIR	P-107745				] [	PARALLEL TRANSITION INSTALLATION TO EXISTING BLDG — FOR WIDTH ADD.	P-D81614			
	MR-24 SEAMED RIDGE ROOF SYSTEM GENERAL INSTALLATION	P-090006					CORRUGATION TRANSITION INSTALLATION	P-081675			
	MR-24 SEAMED RIDGE ROOF SYSTEM	P-090007		RIDGE END COVER INSTALL. WITH RIDGE ASSY.	DGE ASSY. P-D90008	-D90008	GENERAL INFO AND CUP INSTALL 1 OF 5 CORRUGATION TRANSITION INSTALLATION				
	PANEL INSTALLATION	F=090007		MR-24 SEAMED RIDGE ROOF SYSTEM INTERIOR RIDGE TRIM INSTALLATION	P-090010		SEAMING OPERATION 2 OF 5	P-081676			
	MR-24 SEAMED RIDGE ROOF SYSTEM ROOF PANEL FIELD NOTCHING DETAILS	P-090011		CONDUCTOR PIPE INSTALLATION AND DETAILS	T. 000004	CORRUGATION TRANSITION INSTALLATION SILICONE MEMBRANE AND COVER 3 OF 5	P-081677	1			
	MR-24 SEAMED RIDGE ROOF SYSTEM	P-090012	CONDUC-	COLLECTOR BOX INSTALL, - NARROW GUTTER	P-103225	]	CORRUGATION TRANSITION INSTALLATION	P-081678			
	SPLICE DETAIL AND RIDGE PANEL FIELD HOLES		TOR	CONDUCTOR PIPE INSTALLATION	P-105224		SPECIFIC DETAILS 4 OF 5 CORRUGATION TRANSITION INSTALLATION				
BLG5. WITH TRU5S	MR/CMR-24 ROOF PANEL CALCULATOR ROOF STRUCTURALS FOR ROOF PNL CALC.	P-081113 M-149099	1	CONDUCTOR PIPE DETAILS  CONDUCTOR PIPE DETAILS	P-105225 P-105228		RIDGE AND PERP. TRANS. 5 OF 5	P-081679			
	MR/CMR ROOF PANEL CALCULATOR	P-080949		CONDUCTOR FIFE DETAILS	F-100226		MR-24 SEAMED RIDGE ROOF SYSTEM RIDGE PANEL AT PARALLEL TRANSITION	P-090009			
BLGS. WITH Z-PURLIN	ROOF STRUCTURALS FOR	P-ZRSLO	1				PERPENDICULAR TRANSITION	P-081574	+		
	ROOF PANEL CALCULATIONS	Linaco	J			MEMBRANE	MEMBRANE ROOF TO METAL ROOF PARALLEL TRANSITION		-		
							MEMBRANE ROOF TO METAL ROOF	P-081575			
							INTERIOR GUTTER CORNER INSTALLATION ROOF TO WALL	P-080189			
							INTERIOR GUTTER PAR. TO INSIDE CORNER	P-081543			
	NOTES:						FLASHING WITHOUT CORRUGATION INTERIOR GUTTER PAR. TO INSIDE CORNER				
	1. THE ABOVE DRAWINGS PERTAIN TO WID	ESPAN BUILD	DINGS WITH Z	Z-PURLIN AND/OR TRUSS			FLASHING WITH CORRUGATION	P-081545			
	FOR THE ROOF SECONDARY, THESE BU	JILDING HAVE	EAVE STRU	TS (OR AN EQUIVALENT			PARALLEL TO PARAPET GUTTER WITH AND WITHOUT CORRUGATION	P-081550			
					INTERIOR GUTTERS	PARALLEL TRANS. TO VALLEY GUTTER	P-081551	1			
	2. ONLY THOSE DRAWINGS REQUIRED ON			IIII INIS BUILDING.		301103	MITH AND WITHOUT CORRUGATION MULT. GUTTER STOP FLASHING	P-105525	-		
							MULT. GUTTER GABLE TRIM	P-103525	1		
							MULT. GUTTER EXPANSION JOINT	P-105533	]		
							MULT. GUTTER SPECIAL APPLICATIONS	P-105534		MR-24 ERECTION DRAWN	C INDEX
							WELD PROCEDURES FOR SS GUTTERS SUGGESTED FIELD FARRICATION	P-105B46			
							SUGGESTED FIELD FABRICATION COLLECTOR BOX AND SCREEN	P-107134		RETRUM RSS	R: Q2-030-02
										01/21/10 05/05/17 B P-08	1111  07

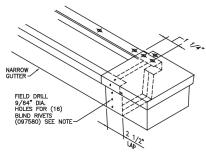
As Noted on Plans Review



As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025





NARROW GUTTER

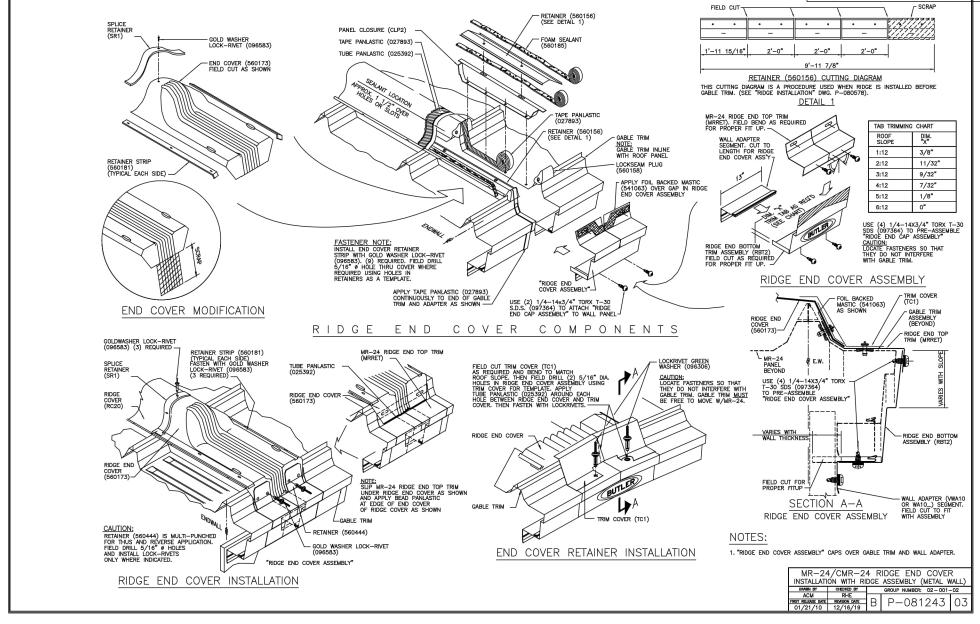
NOTE:

SEE DRAWING P-081764 FOR BLIND RIVET COLOR (INFORMATION.

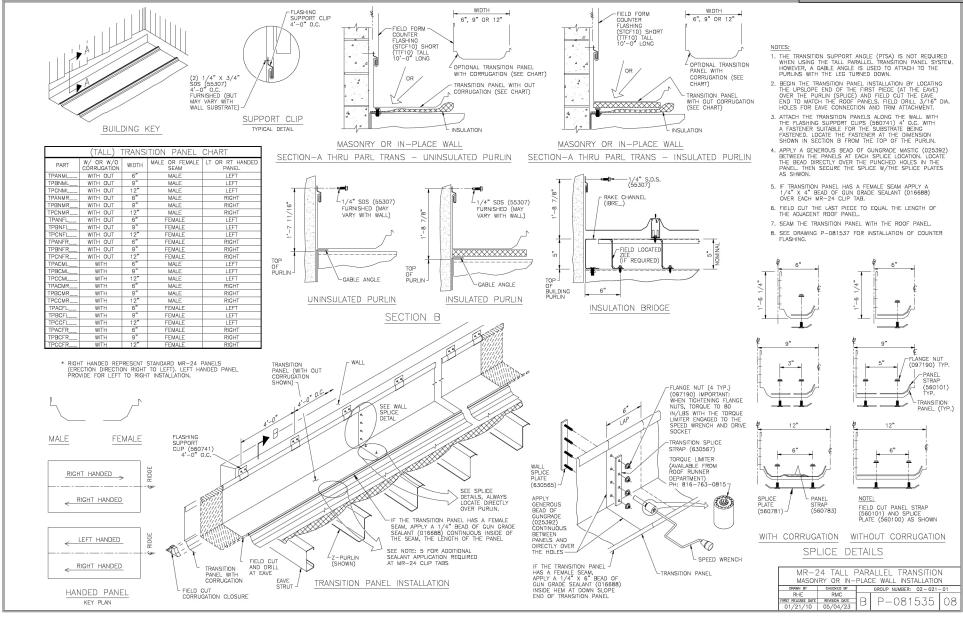
NARROW GUTTER CORNER CAP INSTALLATION – ALL ROOFS	INSTALLATION — ALL ROOFS
NARROW GUTTER CORNER CAP	
	NARROW GUTTER CORNER CAP

DRAWN BY	CHECKED BY		GROUP NUMBER:	01-0
CAG	MEC			
T RELEASE DATE		I R I	P-081	236
1/21/10	12/04/18	יטו	1 001	200

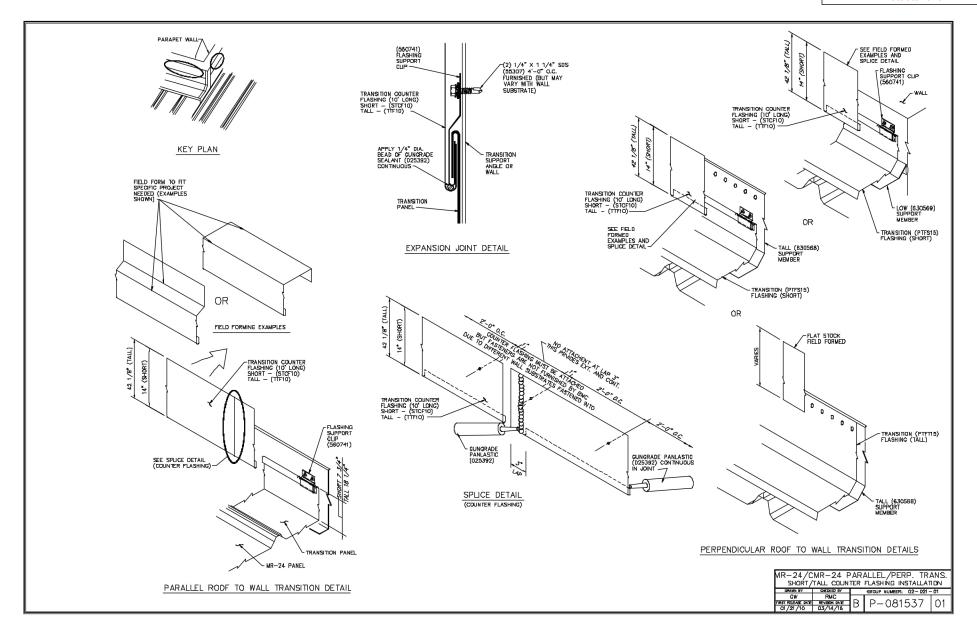
As Noted on Plans Review



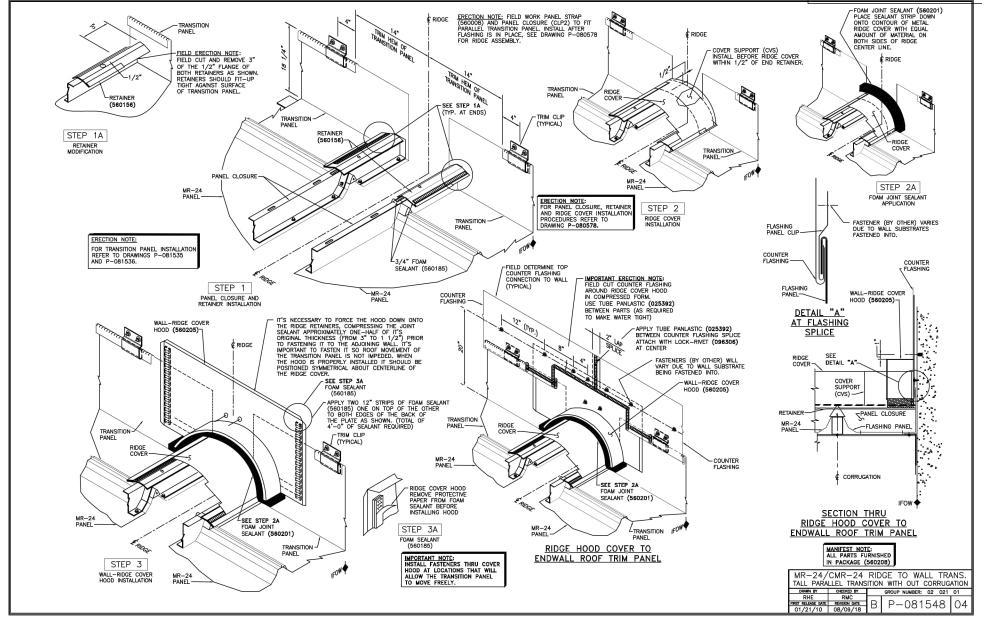
As Noted on Plans Review



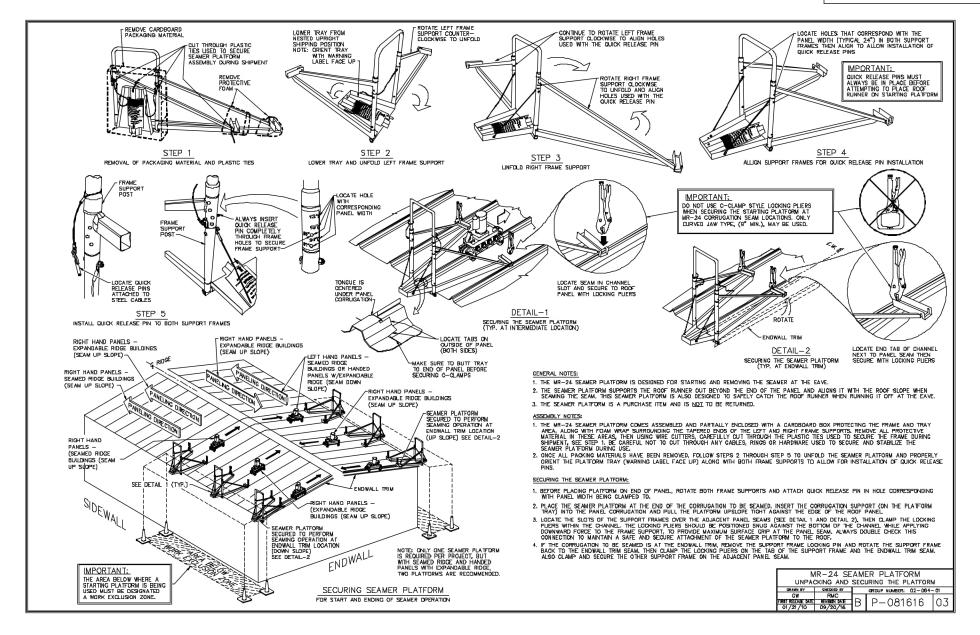
As Noted on Plans Review



As Noted on Plans Review



As Noted on Plans Review



As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

#### SAFETY PRECAUTIONS

SAFETY MUST BE A PRIME CONCERN THROUGHOUT THE ENTIRE ERECTION PROCESS. THESE INSTRUCTIONS CONTAIN SAFETY INFORMATION THAT IS IMPORTANT FOR ALL WORKERS TO KNOW AND UNDERSTAND. IN ADDITION, LOCAL, STATE AND OSHA SAFETY REGULATIONS MUST BE FOILDWED AT ALL TIMES. THE ERECTION CONTRACTOR HAS THE ULTIMATE RESPONSIBILITY FOR THE SAFETY OF THE WORKERS AND MUST COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS.

RECOGNIZE SAFETY INFORMATION



THIS IS THE SAFETY—ALERT SYMBOL. WHEN YOU SEE THIS SYMBOL IN THESE INSTRUCTION, BE ALERT TO THE POTENTIAL FOR PERSONAL INJURY. FOLLOW RECOMMENDED PRECAUTIONS AND SAFE PRACTICES.

#### FOLLOW SAFETY INSTRUCTIONS

CAREFULLY READ ALL SAFETY MESSAGES IN THESE INSTRUCTIONS AS WELL AS MR-24 ERECTION MANUAL, ALL APPLICABLE DRAWINGS AND THE ROOFING WORK SAFETY INSTRUCTIONS AND ROOF PANEL WARNING LABEL THAT ARE SHIPPED WITH THE ROOF MATERIALS.

THE FOLLOWING WARNING DECAL IS ATTACHED TO THE SEAMER PLATFORM PAN.



- . DO NOT STEP ON PLATFORM PAN.
- . DO NOT LEAN ON PLATFORM.
- . DO NOT STRADDLE PLATFORM LEGS. · MAKE SURE LOCKING PLIERS ARE
- SECURELY CLAMPED ONTO PANELS. ALWAYS USE FALL PROTECTION.

IMPORTANT:

CORRUGATION SUPPORT MUST BE FULLY INSERTED INTO CORRUGATION.



FAILURE TO HEED THESE WARNINGS CAN RESULT IN SERIOUS INJURY OR EVEN DEATH.

IF THE WARNING DECAL BECOMES ILLEGIBLE, ORDER A FREE REPLACEMENT FROM THE ROOF RUNNER OPERATIONS DEPARTMENT.

IN ADDITION, FOLLOW THESE GUIDELINES DURING ALL ROOF RUNNER SEAMING OPERATIONS:

- ALWAYS USE FALL PROTECTION AND WALKBOARDS WHEN INSTALLING PANELS OR WORKING NEAR ROOF EDGES.

  MAKE SUPE SEAMING FOLOWS LAYING OF PANELS AS CLOSELY AS POSSIBLE AND USE FALL PROTECTION.

  LOCKING PLIERS (NOT BY BUTLER MANUFACTURING COMPANY) USES TO ATTACH SEAMER PLATFORM TO PANELS MUST BE IN

  GOOD CONDITION AND ADJUSTED TO RESIST A GOOD HARD PULL (80 POUNDS). ALWAYS DOUBLE CHECK SECURENESS OF

  LOCKING PLIERS EACH TIME THE SEAMER PLATFORM IS SECURED TO THE ROOF CORRUGATIONS.

  NEVER STEP ON THE SEAMER PLATFORM PAN.

  NEVER STEP ON THE SEAMER PLATFORM PAN.

  NEVER STEP THE ROOF RUNNER OR BLOCK VENTS ON THE MOTOR IN ANY MAY.

  PANELS NOT FULLY SEAMED CAN COLLAPSE OR SLIDE OUT FROM UNDER YOU. ALWAYS USE FALL PROTECTION AND WALKBOARDS

  WHEN INSTALLING PANELS OR WORKING NEAR ROOF EDGES. MAKE SURE SEAMING FOLLOWS THE LAYING OF PANELS AS CLOSELY

  AS POSSIBLE.

WARNING: NEVER TIE POWER CORDS TOGETHER OR TO THE ROOF RUNNER.



CAUTION:

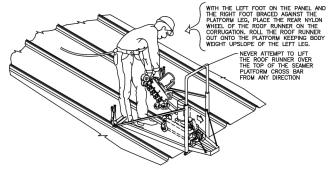
KEEP THE PATH OF THE ROOF RUNNER CLEAR AT ALL TIMES AND POWER CORDS FREE OF ENTANGLEMENTS. A NON-LOCKING PLUIG IS SUPPLIED SO THAT IT WILL UNPLUIG TISELF SHOULD THE POWER CORD BECOME ENTANGLE. DO NOT DEFEAT THIS SAFETY FEATURE BY TIME THE POWER CORD TO THE MOTOR LEAD OR TO THE ROOF RUNNER. ADDITIONALLY, TOWING OF THE POWER CORD(S) CAN CAUSE IMPROPER SEAMS TO BE

WARNING: DON'T RIDE THE ROOF RUNNER OR BLOCK VENTS ON THE MOTOR IN ANY WAY.



PANELS NOT FULLY SEAMED CAN COLLAPSE OR SLIDE OUT FROM UNDER YOU, ALWAYS USE FALL PROTECTION AND WALKBOARDS WHEN INSTALLING PANELS OR WORKING NEAR ROOF EDGES. MAKE SURE SEAMING FOLLOWS THE LLYING OF PANELS AS CLOSELY AS POSSIBLE. WARNING:

CAUTION: ALL ELECTRICAL SERVICE MUST BE PROPERLY GROUNDED, AND MUST INCLUDE A GROUND FAULT INTERRUPTERI

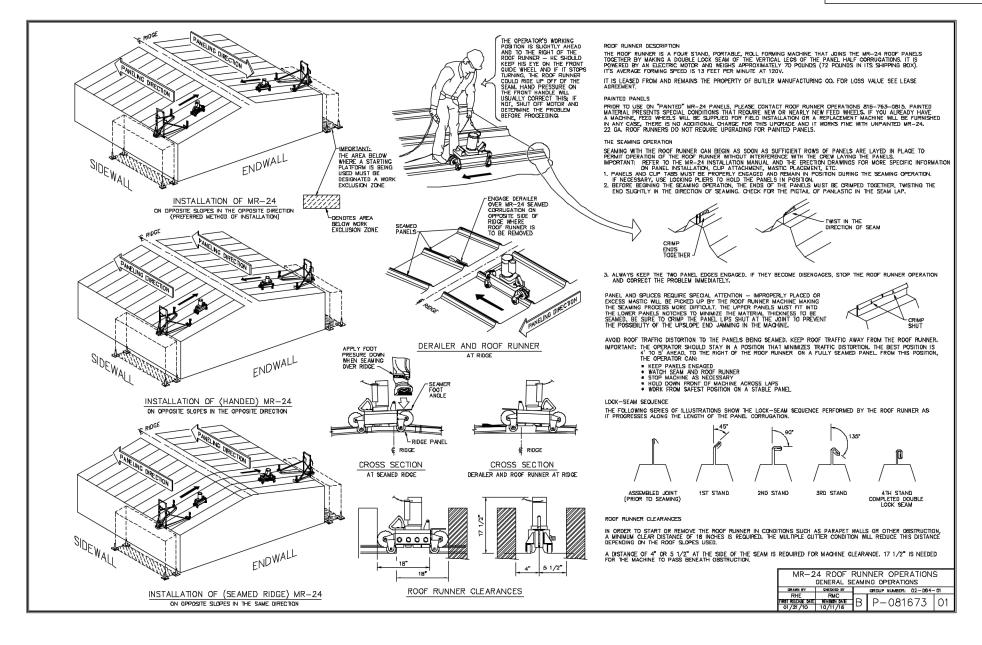


NEVER STRADDLE THE PLATFORM OR COUNTERBALANCE THE ROOF RUNNER WITH YOUR WEIGHT.

DRAWN BY	CHECKED BY	GROUP	NUMBER: 02 - 0	64 - 01			
SAFETY PRECAUTIONS							
MR-2	4 ROOF	RUNNER	OPERATIO	DNS			

RHE RMC
FIRST ROLEASE DATE REVISION DATE
01/21/10 12/04/18
B P-081672

As Noted on Plans Review

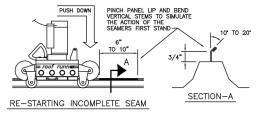


As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025

#### TIPS FOR TROUBLE FREE OPERATION

- SAFE AND CORRECT SEAMING REQUIRES ALL MACHINE OPERATORS TO BE FAMILIAR WITH THE MACHINE FEATURES. BE SURE
  THEY ARE AWARE OF THE PROPER MATERIAL FLOW THROUGH THE FEED WHEELS SO THAT THEY CAN SPOT A MALFUNCTION
  QUICKLY AND CAN CORRECT ITS CAUSE IMMEDIATELY. IMPROPER SEAMS LONGER THAN 5 FEET ARE DIFFICULT TO REPAIR AS
  THEY INVOLVE THE PANEL CLIPS AND TABS.
- 2. ALWAYS USE A SEAMER PLATFORM.
- 3. MAKE SURE THE FEED WHEELS ARE KEPT CLEAN, ESPECIALLY ON PAINTED MATERIALI (SEE MAINTENANCE)
- 4. MANY SEAMING PROBLEMS ARE THE RESULT OF MIS-ALIGNED PURLINS AND/OR FRAMES. A SUDDEN CHANGE IN DIRECTION (1/4" IN 5"-0") CAN CAUSE AN INCORRECT SEAM. A GOOD RULE TO FOLLOW IS TO "STRING LINE" THE PURLIN HOLES IN EACH BAY BEFORE PANELING.
- 5. BE SURE THE PANELS ARE PROPERLY ENGAGED PRIOR TO SEAMING, USE LOCKING PLIERS TO HOLD THEM IN POSITION AS REQUIRED. SHOULD AN INCOMPLETE SEAM OCCUR, STOP THE ROOF RUNNER IMMEDIATELY AN INCOMPLETE SEAM CAN USUALLY BE RESTARTED BY BENDING THE PANEL STEMS SEVERAL INCHES AHEAD OF THE SEAMER, IN THE DIRECTION OF SEAMING.



- 6. WATCH TO SEE THAT THE LARGE FRONT AND REAR GUIDE WHEELS ARE BEARING ON THE CORRUGATION. THE WHEELS SHOULD TURN THROUGHOUT THE SEAMING OPERATION (AT CLIPS AND END SPLICES THEY MAY STOP MOMENTARILY, BUT SHOULD RESUME TURNING AGAIN IMMEDIATELY).
- 7. CAM RELEASES ARE PROVIDED FOR THE PURPOSE OF DISENCAGING THE MACHINE FROM THE PANEL. THEY SHOULD BE USED ONLY WHEN ABSOLUTELY NECESSARY. A LARGE ADJUSTABLE WRENCH OR 30 MM SOCKET IS REQUIRED AND THE PROCESS SHOULD BE DONE SLOWLY AND WITH GREAT CARE AS THERE ARE SEVERAL CAST PIECES INVOLVED THAT ARE UNDER HEAVY SPRING PRESSURE. THESE PIECES WILL BREAK IF EXTREME CARE IS NOT USED TO RELEASE AND ENGAGE THE CAM.



8. PANEL AND SPLICES REQUIRE SPECIAL ATTENTION — IMPROPERLY PLACED OR EXCESS MASTIC WILL BE PICKED UP BY THE ROOF RUNNER MACHINE MAKING THE SEAMING PROCESS MORE DIFFICULT. THE UPPER PANELS MUST FIT INTO THE LOWER PANELS NOTCHES TO WINNIZE THE MATERIAL THICKNESS TO BE SEAMED. BE SURE TO CRIMP THE PANEL LIPS SHUT AT THE JOINT TO PREVENT THE POSSIBILITY OF THE UPSLOPE END JAMING THE ROOF RUNNER MACHINE.



9. AVOID ROOF TRAFFIC DISTORTION TO THE PANELS BEING SEAMED. KEEP ROOF TRAFFIC AWAY FROM THE ROOF RUNNER. IMPORTANT: THE OPERATOR SHOULD STAY IN A POSITION THAT MINIMIZES TRAFFIC DISTORTION. THE BEST POSITION IS 4' TO 5' AHEAD, TO THE RIGHT OF THE ROOF RUNNER THE OPERATOR CAN:

- THE OFFERVIOR OF THE STATE OF T

#### MAINTENANCE FOR THE SEAMER PLATFORM

ALL MAINTENANCE AND REPAIRS ARE THE RESPONSIBILITY OF THE BUILDER.

THE SEAMER PLATFORM MUST BE MAINTAINED IN GOOD WORKING CONDITION IN ORDER TO FUNCTION PROPERLY AND SAFELY. DO NOT ALLOW THE SEAMER PLATFORM TO BE DROPPED, BENT, OR IN ANY WAY BE DAMAGED.

REGULAR INSPECTION OF THE SEAMER PLATFORM IS ADVISABLE IN ORDER TO DISCOVER HIDDEN DAMAGE AND TO INSURE IT IS IN GOOD WORKING ORDER.

IF ANY DAMAGE TO THE SEAMER PLATFORM AFFECTS ITS SAFE USAGE, DO NOT CONTINUE TO USE IT.

TO PURCHASE A REPLACEMENT, CALL THE ROOF RUNNER OPERATIONS DEPARTMENT.

THE WARNING DECAL ON THE SEAMER PLATFORM MUST ALSO BE KEPT IN GOOD CONDITION. REPLACEMENTS MAY BE ORDERED, FREE OF CHARGE, FROM THE ROOF RUNNER OPERATIONS DEPARTMENT (816-763-0815).

#### MAINTENANCE FOR THE ROOF RUNNER

ALL MAJOR MAINTENANCE AND REPAIRS WILL BE DONE BY BUTLER MANUFACTURING COMPANY — ROOF RUNNER OPERATIONS. EACH MACHINE WILL BE CLEANED, WORN PARTS REPLACED, LUBRICATED, PANTED, AND TESTED BEFORE BEING SHIPPED TO INSURE RELIABLE PERFORMANCE ON THE JOB SITE.

MINOR MAINTENANCE SUCH AS MASTIC REMOVAL, PROTECTION FROM MOISTURE, DAMAGE, SHIPPING BOX CARE, ETC., ARE SOLELY THE RESPONSIBILITY OF THE LESSEE.

ALL QUESTIONS PERTAINING TO THE ROOF RUNNER SHOULD BE DIRECTED TO: (PLEASE REFER TO SPECIFIC ROOF RUNNERS BY SERIAL NUMBER ON ALL CORRESPONDENCE)

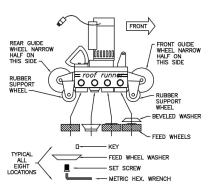
BUTLER MANUFACTURING COMPANY 13500 BOTTS ROAD GRANDVIEW, MISSOURI 64030

TEL: 816-763-0815 FAX: 816-763-1717 ATTN: ROOF RUNNER OPS.

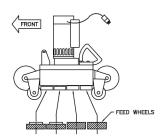
MASTIC REMOVAL — THE EIGHT FORMING WHEELS ON THE UNDERSIDE OF THE ROOF RUNNER MAY BE REMOVED FOR CLEANING (AN "L" SHAPED METRIC HEX WERCH IS FURNISHED WITH THE ROOF RUNNER TO REMOVE THE FEED WHEELS EST SCREWS). THE FEED WHEELS, WASTIES, AND SET SCREWS CAN BE SOAKED IN A SOLVENT BATH TO REMOVE MASTICS. NAPTHA OR MINERAL SPIRITS WILL EFFECTIVELY CUT BUTLER MASTICS. CAUTION — READ SOLVENT LABELS THOROUGHLY BEFORE USING, DO NOT SOAK ANY OTHER PART OF THE ROOF RUNNER.— SOLVENTS WILL ATTACK THE RUBBERS SUPPORT WHEELS AND REMOVE THE LUBRICATING ABILITY OF THE BRONZE BEARINGS IF SOAKED. THESE PARTS MAY BE CLEANED BY BRUSHING OR WIPING WITH SOLVENTS AND DIRECTION, AND OTHER PARTS THAT CAN BE REMOVED FOR CLEANING, FEED WHEELS, KNURLING DIRECTION, AND OTHER PARTS THAT CAN BE REMOVED FOR CLEANING, FEED WHEELS MUST BE RE-INSTALLED EXACTLY AS SHOWN BEFORE THE MACHINE CAN ELINICATION PROPEPTILY. BEFORE THE MACHINE CAN FUNCTION PROPERLY.

PAINTED PANELS — FEED WHEELS MUST PENETRATE THE PAINTED SURFACE IN ORDER TO GRIP THE PANEL AND MAKE THE SEAM. THIS WILL LEAVE NON-OBJECTIONABLE TRACKS ON THE SEAM A BUILD-UP OF PAINT CHIPS IN THE GROOVES OF THE FEED WHEELS WILL OCCUR REQUIRING CONTINUOUS WIRE BRUSHING TO INSURE AN ADEQUATE GRIP DURING THE SEAMING PROCESS.

THE FREQUENCY OF CLEANING SHOULD BE DETERMINED BY THE MACHINE OPERATOR. MASTIC MUST NOT BE ALLOWED TO ACCUMULATE ON THE FEED WHEELS EVEN THOUGH THE MACHINE IS FUNCTIONING PROPERLY. AS MASTICS BUILD UP, A CERTAIN AMOUNT WILL MIGRATE TO THE INTERNAL PARTS CAUSING BINDING OF PARTS AND RESULTING IN IMPROPER FUNCTIONING. INTERNAL CLEANING IS CONSIDERED MAJOR MAINTENANCE AND MUST BE DONE BY ROOF RUNNER OPERATIONS.



NOTICE THE ANGLED GROOVES IN THE FEED WHEELS. THEY MUST BE RE-INSTALLED EXACTLY AS SHOWN!



GUIDE WHEELS AND RUBBER SUPPORT WHEELS MAY ALSO BE REMOVED FOR CLEANING BY REMOVING SNAP RINGS AND WITHDRAWING THE AXLES

			NNER OPERATIONS REE OPERATION—MAINT	
DRAWN BY CHECKED BY			GROUP NUMBER: 02-064-	-01
RHE	RMC			
IRST RELEASE DATE	REVISION DATE	I R I	P-081674	∩1 I
01/21/10	12/04/18		1 001074	0 1

As Noted on Plans Review

		SCRUBOLTS
PART MARK	COLOR	DESCRIPTION
095984		11/32 X 7/8", HEX HD, SS W/WASHER
096932		3/8 X 1 1/4", HEX HD W/WASHER
097104		11/32 X 1 1/4", HEX HD, SS W/WASHER
097196		3/8 X 1", HEX HD W/WASHER
097222		3/8 X 2", HEX HD W/WASHER
097264		3/8 X 2 3/4", HEX HD W/WASHER
097270		3/8 X 2 1/4", HEX HD W/WASHER
097271		3/8 X 3 1/2", HEX HD W/WASHER
097292		3/8 X 5", HEX HD W/WASHER
097298		3/8 X 6", HEX HD W/WASHER
097351		11/32 X 7/8", T-45 TORX HD W/O WASHER (GRAY)
097352		11/32 X 1 1/4", T-45 TORX HD W/O WASHER (GRAY)
097361-		11/32 X 7/8", T-45 TORX HD W/WASHER
097362-		11/32 X 1 1/2", T-45 TORX HD W/WASHER
097363-		11/32 X 2", T-45 TORX HD W/WASHER
097604-		11/32 X 3 1/2", T-45 TORX HD W/WASHER
097267		SCRUBOLT NUT, 11/32", 1/2" HEX
097466		SCRUBOLT NUT, 23/64", 1/2" HEX

		SELF-DRILLING SCREWS
PART MARK	COLOR	DESCRIPTION
097216		(T-3) #10-16 X 3/4", 5/16" HEX HD
097295		(T-3) #12-14 X 3/4", 5/16" HEX HD W/WASHER
097296		(T-3) #12-14 X 1 1/4", 5/16" HEX HD W/WASHER
097354		(T-4) 1/4-14 X 1 1/2", 3/8" HEX HD W/WASHER
097356		(T-3) 1/4-14 X 1" PHILLIPS WAFER HD
097373		(T-3) #12-14 X 1 1/4", 3/8" HEX HD, SS W/WASHER
097374		(T-3) #12-14 X 1 1/4", 3/8" HEX HD, SS W/WASHER
097405		(T-3) 5/16-12 X 1", 3/8" HEX HD W/WASHER
097406		(T-3) 5/16-12 X 1 1/2", 3/8" HEX HD W/WASHER
097409		(T-3) 1/4-14 X 7/8", 3/8" HEX HD, SS W/WASHER
097460		(T-3) 5/16-18 X 1 1/4", 3/8" HEX HD W/WASHER
097554		(T-5) #12-24 X 1 1/4", 5/16" HEX HD W/O WASHER
097555		(T-3) 1/4-14 X 1 1/4", 3/8" HEX HD W/O WASHER
097230-		(T-3) 1/4-14 X 1 1/4", 3/8" HEX HD W/WASHER
097357-		(T-1) 1/4-14 X 7/8", 3/8" HEX HD W/WASHER
097364-		(T-1) 1/4-14 X 3/4", T-30 TORX HD W/WASHER
097365-		(T-3) #12-14 X 1 1/4", T-30 TORX HD W/WASHER
097529-		(T-5) #12-24 X 1 1/2", T-30 TORX HD W/WASHER
097584-		(T-2) #12-14 X 1 1/4", 5/16" HEX HD, SS CAP W/WASHER
097605-		(T-3) 1/4-14 X 3 1/8", T-30 TORX HD STANDOFF SDS W/WASHER
55307		(T-3) 1/4-14 X 1 1/4", 5/16" HEX HD
55310		(T-3) 1/4-14 X 3", 5/16" HEX HD
55312		(T-3) #12-14 X 1" PANCAKE PHILLIPS SQUARE DRIVE
55320		(T-3) 1/4-14 X 1 1/2", 5/16" HEX HD
56104		(T-5) #12-24 X 1 1/2", 5/16" HEX HD
56450		(T-2) #12-14 X 1 1/4", 5/16" HEX HD W/O WASHER
097581-		(T-1) 1/4-14 X 7/8", 5/16" HEX HD, SS CAP W/WASHER

		MISCELLANEOUS FASTENERS
PART MARK	COLOR	DESCRIPTION
095051		MACHINE SCREW 1/4 X 1", HEX HD
095056		MACHINE SCREW 1/4 X 3", HEX HD
095062		NUT, MACHINE SCREW 1/4", HEX HD
095241		NUT, 1/4" FLAT SPEED NUT
095895		(T-A) #10 X 3/4", PAN HD (SHEET METAL SCREW)
097190-		NUT, 1/4-20 SS FLANGE NUT

BLIND RIVETS			
PART MARK COLOR	DESCRIPTION		
097580	POP RIVET, 1/8 X 3/8"		

FASTENER COLOR SUFFIX SUFFIX COLOR 100 = COOL IGLOO WHITE 101 = COOL SOLAR WHITE 102 = COOL SOLAR WHITE 104 = COOL SOLAR WHITE 105 = COOL SOLAR WHITE 106 = COOL HARVEST 106 = COOL SALAR II BROWN 107 = COOL PALM GREEN	SUFFIX COLOR 112 = COOL SHELL GRAY 113 = COOL DESERT BEIGE 115 = COOL OCEAN BLUE 116 = COOL GRAY STONE 117 = COOL COPPER PENNY 118 = COOL METALLO SILVER 119 = COOL ADE GREEN 120 = COOL BRIGHT RED
107 = COOL PALM GREEN	121 = COOL BRIGHT RED
108 = COOL MARSH GREEN	121 = COOL PARCHMENT
109 = COOL EMERALD GREEN	122 = COOL OLD TOWN GRAY
110 = COOL ONYX BLACK	141 = COOL BIRCH WHITE
111 = COOL MAJESTIC BLUE	UNPNTD = UNPAINTED

	LOCK-RIVETS					
PART MARK	DESCRIPTION					
096295	9/32" X 1 3/32", "A" HD W/BLACK WASHER					
096306	9/32" X 1 3/32", "B" HD W/GREEN WASHER					
096582	9/32" X 1 11/32", "A" HD W/BLUE WASHER					
096583	9/32" X 1 11/32", "B" HD W/GOLD WASHER					

	FOAM TYPE SEALANT		
PART MARK	DESCRIPTION		
560185	3/16" X 3/4" X 50' ROLL		
560201	3" X 3" X 1'-10" STRIP		

	SEALANT					
PART MARK	DESCRIPTION					
016688	GRAY SKINNING SEALANT					
025392	WHITE NON-SKINNING PANLASTIC SEALANT					
80531	IMMERBOND FLEXIBLE SEAL ADHESIVE					
560460	FLEXIBLE FLASHING ADHESIVE					

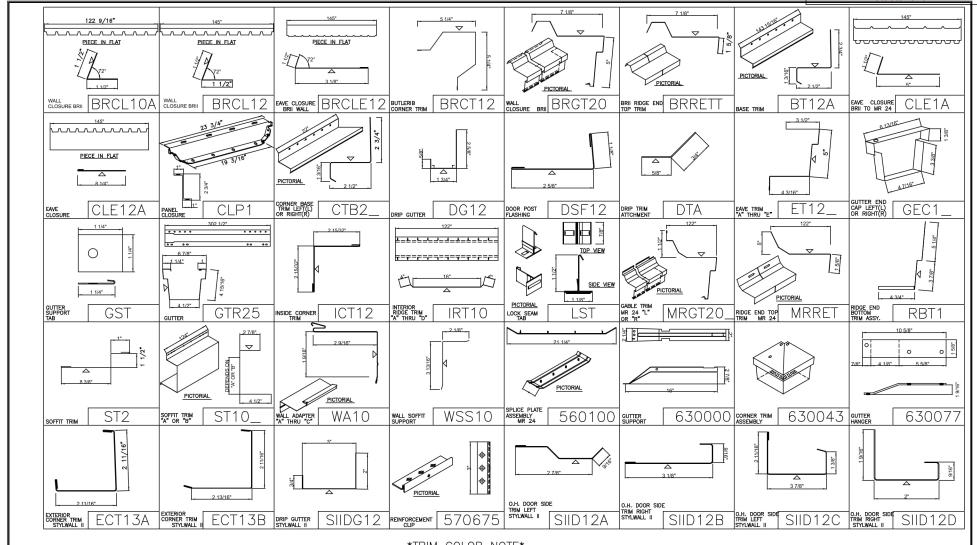
	TAPE MASTIC				
PART MARK DESCRIPTION					
025390	3/16" X 1/4" X 40' ROLL (10 ROLLS PER BOX)				
027893 1/8" X 1" X 25' (5 ROLLS PER BOX)					
042715 1/8" X 1 1/2" X 40' ROLL					
042717	1/8" X 1" X 2'-0 1/4" STRIP (64 STRIPS PER BOX)				
541063	1/8" X 3 7/8" X 10" ROLL FOIL STRIP (5 ROLLS PER CARTON)				
560562	1/16" X 1" X 40' ROLL (5 ROLLS PER BOX)				
560564	3/16" DIA X 40' ROLL (10 ROLLS PER BOX)				

	PANEL CLOSURES
PART MARK	DESCRIPTION
026648	OPT. BUTLERIB RUBBER BASE CLOSURE 3'
026649	OPT. BUTLERIB FOAM BASE CLOSURE 3'
026654	BUTLERIB RUBBER ROOF CLOSURE 10 23/32"
560000	MR-24 RUBBER CORRUGATION CLOSURE
560158	MR-24 LOCK SEAM PLUG
560348	MR-24 PLASTIC CORRUGATION CLOSURE
570452	OPT. STYLWALL FLUTED FOAM WALL CLOSURE 2'-8"
570555	BUTLERIB OUTSIDE FOAM WALL CLOSURE 3'
570597	STYLWALL FLAT FOAM BASE CLOSURE 1'-4"
570674	STYLWALL FLUTED FOAM BASE CLOSURE 1'-4"
570730	OPT. SHADOWALL RUBBER BASE CLOSURE 10 11/16"
570731	OPT. SHADOWALL FOAM BASE CLOSURE 3'
570776	SHADOWALL OUTSIDE FOAM WALL CLOSURE 3'
ARPCPG	VSR    CORRUGATION CLOSURE
ARPHCP	VSR II HIP CORRUGATION PLUG 3'
BRCCL12	BUTLERIB CANOPY CLOSURE 12'
BRCL10A	OPT. BUTLERIB WALL CLOSURE 10' .75:12-3:12
BRCL10B	OPT. BUTLERIB WALL CLOSURE 10' 3.1:12-4:12
BRCL12	OPT. BUTLERIB WALL CLOSURE 12' .25:12-1:12
BRCLE12	VSR II EAVE CLOSURE 12' W/BUTLERIB WALL
CLE12A	BUTLERIB EAVE CLOSURE 12', 6 3/4"
CLE12B	BUTLERIB EAVE CLOSURE 12" W/BUTLERIB OVER 4:12, SHADOWALL OVER 1/2:12
CLE12C	MR-24 EAVE CLOSURE 12' W/STYLWALL OR SHADOWALL
CLE12D	MR-24 EAVE CLOSURE 12'-0" WITH INSULATED WALL PANEL
CLF1A	MR-24 EAVE CLOSURE 12' W/BUTLERIB
CLP2	MR-24 PANEL CLOSURE 2'-1 1/2"
MRCLE12A	CMR-24 EAVE CLOSURE 12'-0" WITH INSULATED WALL PANEL 10 3/4"
MRCLE12B	CMR-24 EAVE CLOSURE 12'-0" WITH INSULATED WALL PANEL 1'-1 3/4"
SHCL12	OPT. SHADOWALL WALL CLOSURE 12' .25:12-4:12
SHCLE11A	VSR II EAVE CLOSURE 11' W/SHADOWALL
SIIC12A	VSR II EAVE CLOSURE 12'-0" WITH INSULATED WALL PANEL OR FLAT STYLWALL
SIIC12B	VSR II EAVE CLOSURE 12' W/FLUTED STYLWALL
SIICLB1A	STYLWALL FLUTED METAL TRANSITION BASE CLOSURE 1'-4"
SIICLB1B	STYLWALL FLAT METAL TRANSITION BASE CLOSURE 1'-4"
TLCLB	BUTLERIB WITH TLS PARTIAL WALL HEIGHT EAVE CLOSURE
TLCLM	MR-24 WITH TLS PARTIAL WALL HEIGHT EAVE CLOSURE
TLCLV	VSR II WITH TLS PARTIAL WALL HEIGHT EAVE CLOSURE

BMC COMMON WAREHOUSE PARTS					
	DRAWN BY CHECKED BY GROUP NUMBER:				
	BJF				
	FIRST RELEASE DATE	REVISION DATE	R	P-081764	15
	01/10/13	06/05/23	ו	1 001701	10

As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025



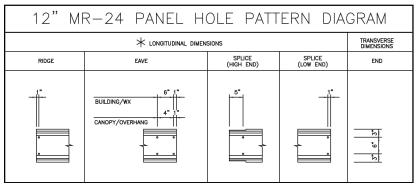
\*TRIM COLOR NOTE\*

△ DESIGNATES COLOR SIDE

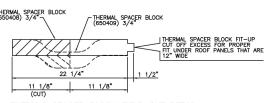
STANDARD TRIMS						
DRAWN BY	CHECKED BY	GROUP NUMBER:				
CSF	RJR					
FIRST RELEASE DATE	REVISION DATE	I R	ΙН.	P-081768	ハンコ	
02/28/13   12/04/18   D   1   00   1   02						

As Noted on Plans Review

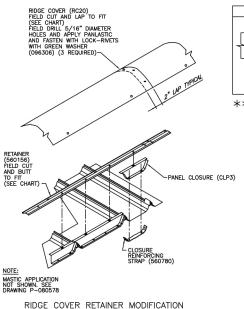
**Development Services Department** Lee's Summit, Missouri 03/03/2025

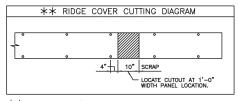


ALL FIELD DRILLED HOLES 5/16" DIAMETER LONGITUDINAL HOLE LOCATION DIMENSIONS ARE CRITICAL. ERRORS IN FIELD DRILLING LOCATION WILL ACCUMULATE AND CAUSE RIDGE FIT-UP DIFFICULTY.
RIGHT HAND PANELS WILL BE FACTORY PUNCHED. ONLY LEFT HANDED PANELS REQUIRE FIELD DRILLING FOR HOLES.

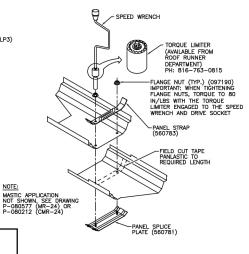


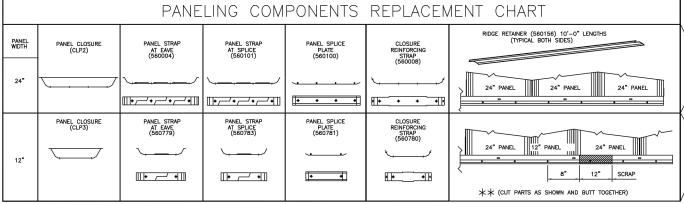
THERMAL SPACER BLOCK FIELD CUT DETAIL \*\*\* FIELD CUT BLOCK AS SHOWN AND KEEP CUT PART FOR REMAINING 12" PANELS. (1) 24" BLOCK IS PROVIDED FOR (2) 12" PANELS.





\*\* THE RIDGE COVER/RETAINER CUTTING DIAGRAM IS ONLY APPLICABLE TO A SINGLE RUN OF THE 12" VARIABLE WIDTH PANEL LOCATED WITH IN THE INTERIOR OF THE BUILDING. CUTTING DETAIL IS NOT APPLICABLE TO MULTIPLE ADJACENT RUNS OR TO A SINGLE RUN OF 12" FANELS LOCATED AT THE ENDMALLS OF THE ROOF.





#### PANEL STRAP AND PANEL SPLICE PLATE

WHEN SPECIFIC DETAIL ON ERECTION DRAWINGS IS INDICATING THE USE OF A 2"-O" WIDE MR-24 PANEL THE PARTS SHOWN IN THE 24" PANEL WIDTH ROW SHOULD BE USED AS SHOWN WITHIN THE DETAIL.

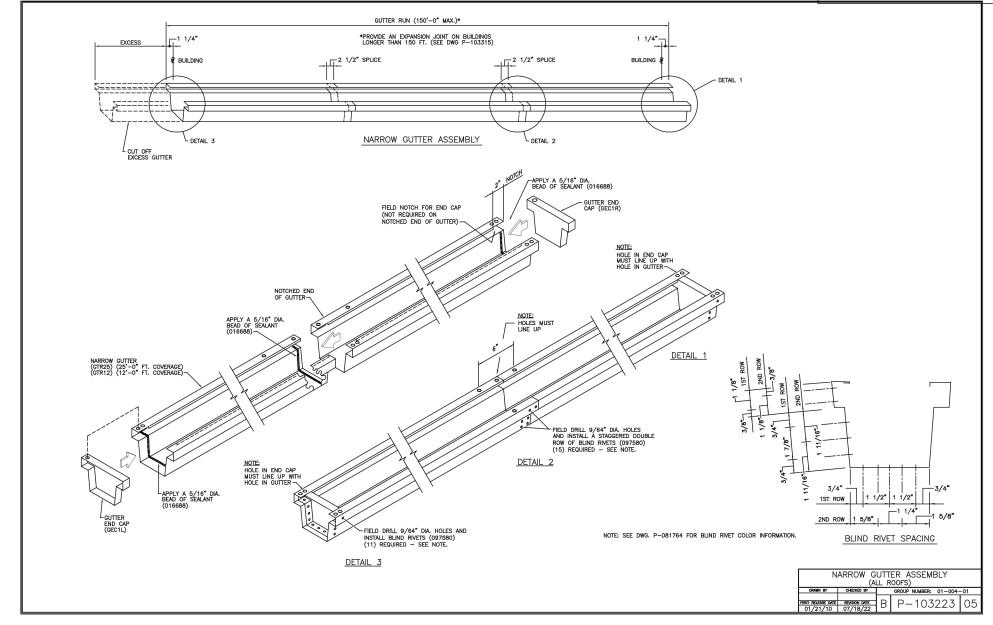
NOTE:

WHEN A 1'-0" WIDE PANEL IS BEING USED IN LIEU OF THE 2'-0" WIDE PANEL THE PARTS SHOWN IN THE 12" PANEL WOTH ROW SHOULD REPLACE THE PARTS SHOWN IN THE SPECIFIC DETAIL ON THE ERECTION DRAWINGS

1 -0 MR-24 PANEL INSTALLATION							
REPLACEMENT PART INFORMATION							
DRAWN BY	CHECKED BY	GROUP NUMBER: 00 - 000 - 00	١				
BSN	RLB		•				

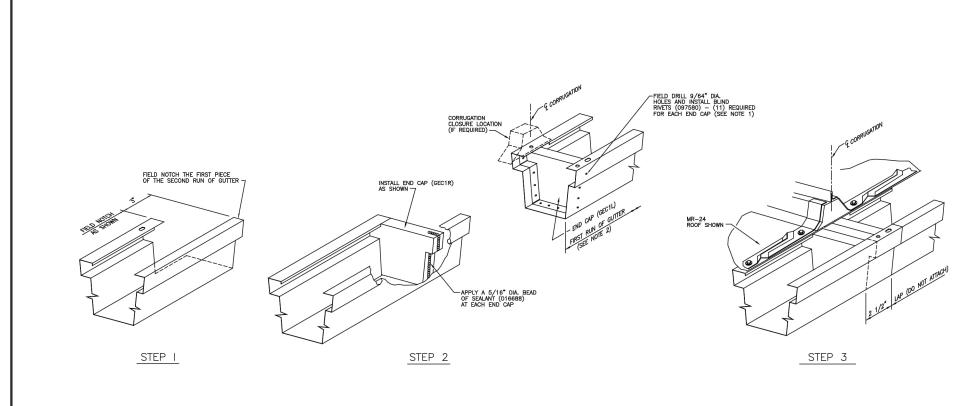
PRST RELEASE DATE REMSION DATE 06/04/15 08/06/18 B P-090005 02

As Noted on Plans Review



As Noted on Plans Review

Development Services Department Lee's Summit, Missouri 03/03/2025



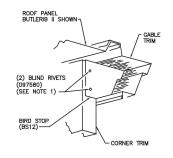
#### NOTES:

- 1. SEE DRAWING P-081764 FOR BLIND RIVET COLOR INFORMATION.
- 2. REFER TO DWG. P-103223 FOR "GUTTER ASSEMBLY"

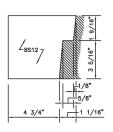
NARROW GUTTER EXPANSION JOINT							
GUTTER — ALL ROOFS							
DRAWN BY CHECKED BY GROUP NUMBER: 01-004-01							
M.B.	J.S.		D 107715	_ ,			
FIRST RELEASE DATE	REVISION DATE	IΒ	P-103315	I ()4 I			
01/21/10	12/04/18	_					

As Noted on Plans Review

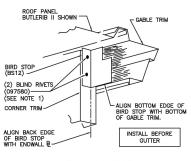
Development Services Department Lee's Summit, Missouri 03/03/2025



UNTRIMMED EAVE



UNTRIMMED EAVE
BIRD STOP CUTTING DIAGRAM
FOR INSTALLATION SHOWN,
(REVERSE FOR OPPOSITE CORNER)



EAVE WITH GUTTER



1/4:12, 1/2:12, AND 1:12 ROOF SLOPES (SEE NOTE 2)



4:12 ROOF SLOPE (SEE NOTE 2)

EAVE WITH GUTTER
BIRD STOP CUTTING DIAGRAM
FOR INSTALLATION SHOWN,
(REVERSE FOR OPPOSITE CORNER)

CUTTING DIMENSIONS						
WALL		1/4, 1/2, AND 1:12 ROOF SLOPES	4:12 ROOF SLOPE			
		DIM. "X"	DIM. "X"	DIM. "Y"		
BUTLERIB II OR SHADOWALL		3 1/8"	1 3/4"	2 3/8"		
SHADOWALL		3 1/8"	1 3/4"	2 3/8"		
INSULATED WALL PANEL	2"	2 5/8"	1 1/4"	1 7/8"		
	2 1/2"	2 1/8"	NOT AVAILABLE			
	3"	1 5/8" 1 1/-		1 7/8"		
	4"	5/8"	NOT AVAILABLE			
	2"	2 1/8"	1/4"	7/8"		
TEXTURED INSULATED WALL PANEL	2 1/2"	1 5/8"	NOT AVAILABLE			
	3"	5/8"	NOT AVAILABLE			
	4"	NOT AVAILABLE				
STYLWALL II	HIGH CORR.	2 5/8"	NOT AVAILABLE			
	LOW CORR.	3 1/8"	NOT AVAILABLE			

#### NOTE:

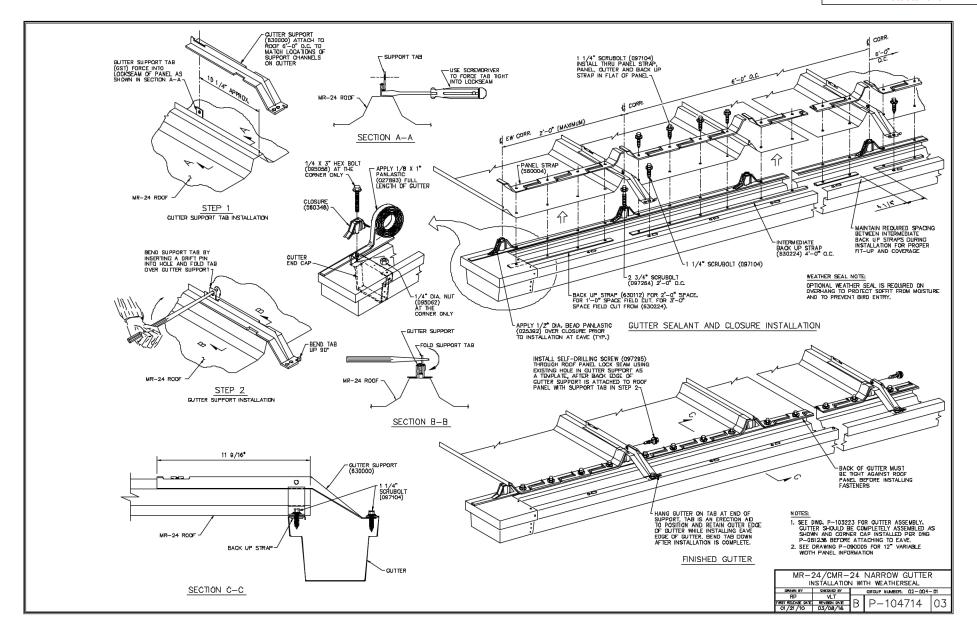
- 1. SEE DRAWING P-081764 FOR BLIND RIVET COLOR INFORMATION.
- FIELD CUT BIRD STOP AS SHOWN IN CUTTING DIAGRAM FOR STANDARD SLOPES, FOR NON-STANDARD SLOPES, USE NEAREST STD. SLOPE INFO. AND ADJUST AS REQUIRED.

BIRD STOP INSTALLATION - ALL ROOFS

DRAWN BY CHECKED BY GROUP NUMBER: 01-001-01

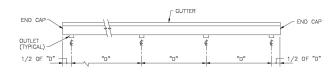
DEASE DATE REVISION DATE B P-104542 06

As Noted on Plans Review

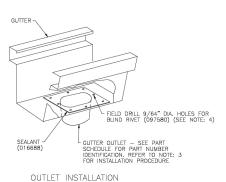


As Noted on Plans Review

**Development Services Department** Lee's Summit, Missouri 03/03/2025



NOTE: MAXIMUM CONDUCTOR SPACING "D" MUST BE DETERMINED BASED ON RAINFALL INTENSITY.



10'-0" CONDUCTOR PIPE AND STRAPS								
EAVE HEIGHT	BUTLEF SHADO SHADO' ESHAL STYLWALL ESTYLWAL ESTYLWALI INSULATE	ERIB II XIB II EX OWALL WALL EX OWALL L II FLAT III FLUTED LL II FLUTED D WALL 2" JLATED WALL 2" JLATED WALL 2"	ALL WALLS		4'-0" OVERHANG		5'-0" OR 10'-0" CANOPY	
	AT WALL 1/4:12 THRU 1/2:12 ROOF SLOPE		AT WALL >1/2:12 THRU 4:12 ROOF SLOPE					
			Q	UANTITY F	PER OUTLET			
HEIGHT	PIPE	STRAPS	PIPE	STRAPS	PIPE	STRAPS	PIPE	STRAPS
10'	1	2	1	2	1 1/2	2	2 1/2	2
11'	1 1/2	3	1 1/2	3	2	3	3	3
12'	1 1/2	3	1 1/2	3	2	3	3	3
13'	1 1/2	3	1 1/2	3	2	3	3	3
14'	1 1/2	3	1 1/2	3	2	3	3	3
15'	1 1/2	3	1 1/2	3	2	3	3	3
16'	2	3	2	3	2 1/2	3	3 1/2	3
17'	2	3	2	3	2 1/2	3	3 1/2	3
18'	2	3	2	3	2 1/2	3	3 1/2	3
19'	2	3	2	3	2 1/2	3	3 1/2	3
20'	2	3	2	3	2 1/2	3	3 1/2	3
21'	2 1/2	4	2 1/2	4	3	4	4	4
22'	2 1/2	4	2 1/2	4	3	4	4	4
23'	2 1/2	4	2 1/2	4	3	4	4	4
24'	2 1/2	4	2 1/2	4	3	4	4	4
25'	2 1/2	4	2 1/2	4	3	4	4	4
26'	3	4	3	4	3 1/2	4	4 1/2	4
27'	3	4	3	4	3 1/2	4	4 1/2	4
28'	3	4	3	4	3 1/2	4	4 1/2	4
29'	3	4	3	4	3 1/2	4	4 1/2	4
30'	3	4	3	4	3 1/2	4	4 1/2	4
31'	3 1/2	5	3 1/2	5	4	5	5	5
32'	3 1/2	5	3 1/2	5	4	5	5	5
33'	3 1/2	5	3 1/2	5	4	5	5	5
34'	3 1/2	5	3 1/2	5	4	5	5	5
35'	3 1/2	5	3 1/2	5	4	5	5	5
36'	4	5	4	5	4 1/2	5	5 1/2	5
37'	4	5	4	5	4 1/2	5	5 1/2	5
38'	4	5	4	5	4 1/2	5	5 1/2	5
39'	4	5	4	5	4 1/2	5	5 1/2	5
40'	4	5	4	5	4 1/2	5	5 1/2	5

PART SCHEDULE				
PART NUMBER	DESCRIPTION			
CP410	CONDUCTOR PIPE			
4CE45	45° ELBOW			
008738	GUTTER OUTLET 1/4:12 THRU 1/2:12			
4CE75	75° ELBOW			
016688	GRAY SEALANT			
CS	CONDUCTOR STRAP (FIELD FORMED)			
640432	GUTTER OUTLET - >3:12 THRU 4:12			
640492	GUTTER OUTLET - >1/2:12 THRU 3:12			

#### NOTES:

- NOIES:

  1. CONDUCTOR PIPE (CP410) FURNISHED IN 10"-0" LENGTHS ONLY. FIELD CUT TO LENGTHS REQUIRED.

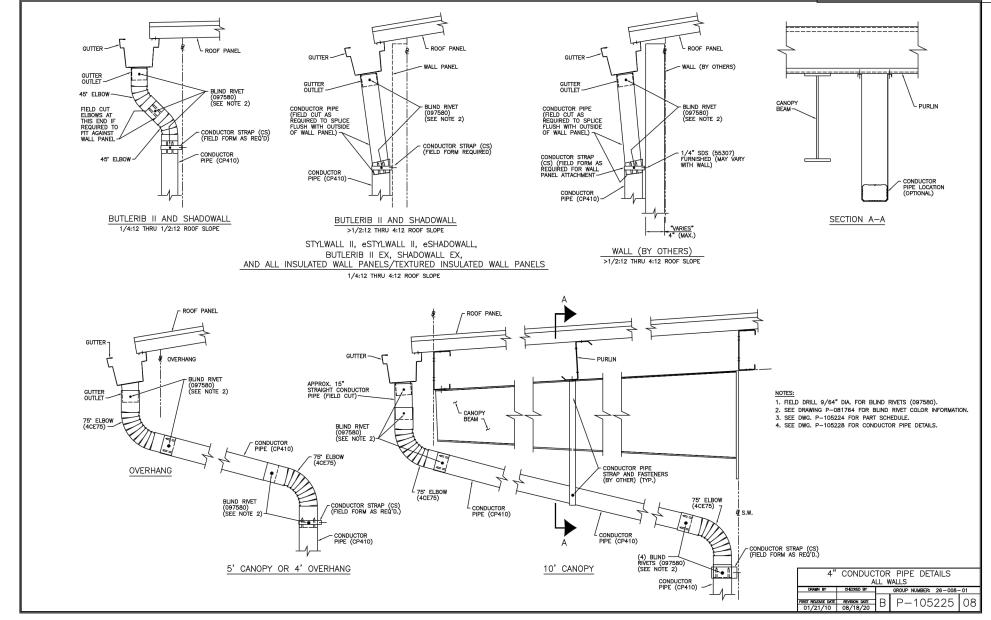
  2. USE (2) BUND RIVETS AT EACH PIPE JOINT.

  3. USING GUTTER OUTLET AS A PATTERN. FIELD CUT CUTTER FOR PROPER FIT. APPLY 015688 SEALANT TO UNDERSIDE OF OUTLET LIP AND ATTACH WITH (8) BLIND RIVETS.

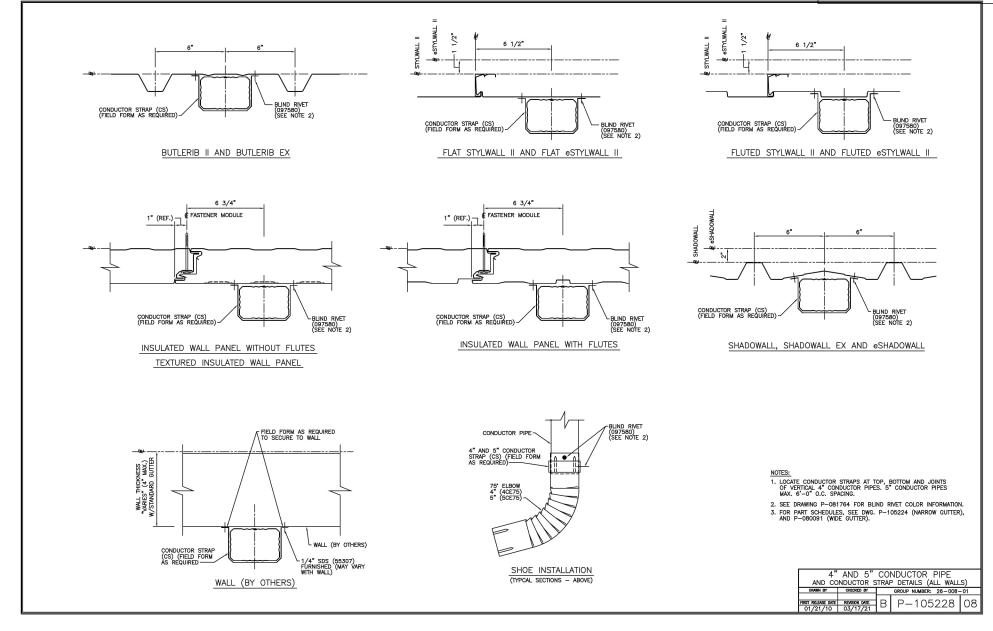
  IMPORTANT, BE SURE TO ORIENT GUTTER AND GUTTER OUTLET PROPERLY PRIOR TO ATTACHMENT.
- 4. SEE DRAWING P-081764 FOR BLIND RIVET COLOR INFORMATION.
- 5. FOR CONDUCTOR PIPE DETAILS SEE DRAWINGS P-105225 AND P-105228.

4" CONDUCTOR PIPE INSTALLATION ALL WALLS						
DRAWN BY	CHECKED BY		GROUP NUMBER: 26-008-01			
RHE FIRST RELEASE DATE	BJF REVISION DATE	Ω	P-105224	08		
01/21/10	05/20/24		1-105224	5		

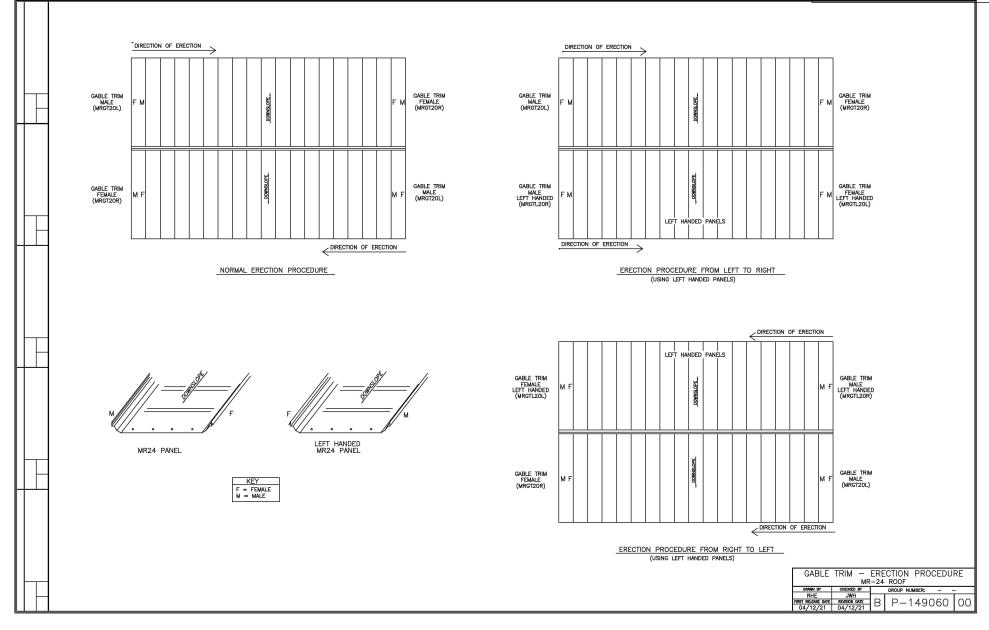
As Noted on Plans Review



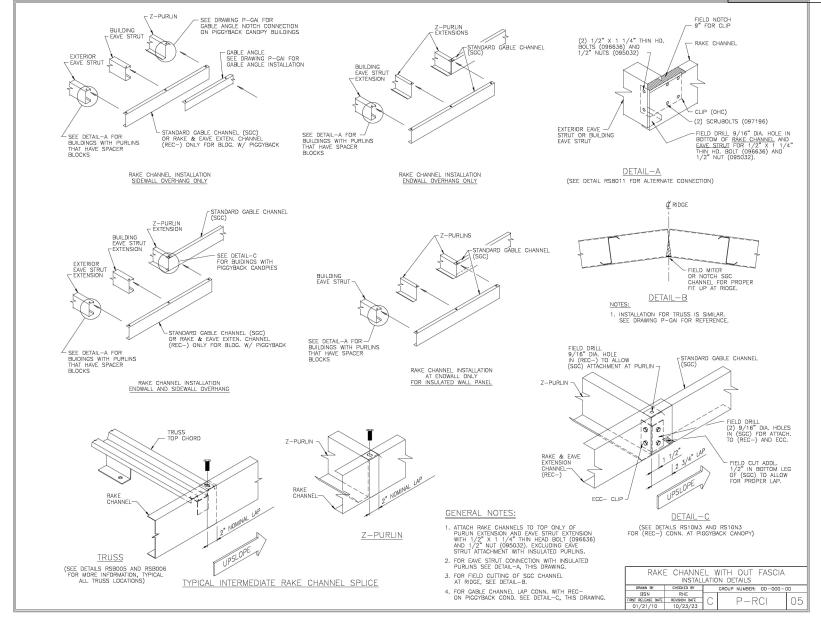
As Noted on Plans Review



As Noted on Plans Review



As Noted on Plans Review



As Noted on Plans Review

