

VP BUILDINGS
VARCO PRUDEN

a division of BlueScope Buildings North America, Inc.

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DRAWING RELEASE HISTORY		
TYPE	DATE	DESCRIPTION
Anchor Rod Drawings Rev.0	5/20/24	FOR CONSTRUCTION
Erection Drawings Rev.0	6/13/24	FOR CONSTRUCTION MB 06/12/2024

MATERIALS

3 PLATE WELDED SECTIONS
COLD FORMED LIGHT GAGE SHAPES
BRACE RODS
HOT ROLLED MILL SHAPES
HOT ROLLED ANGLES
HOLLOW STRUCTURAL SECTION (HSS)
CLADDING

GENERAL NOTES

ASTM DESIGNATION

A529, A572, A1011, A1018
A653, A1011
A572, A510
A36, A529, A572, A588, A992
A529, A572, A588, A992
A500
A653, A792

GRADE 55
GRADE 60
GRADE 50
GRADE 36 OR 50
GRADE 50
GRADE B
GRADE 50 OR GRADE 80

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 TIGHTENING INSTRUCTIONS. THE FOLLOWING CRITERIA MAY BE USED TO DETERMINE THE BOLT TIGHTNESS (I.E.-SNUG TIGHT OR PRE-TENSION) UNLESS REQUIRED OTHERWISE BY LOCAL JURISDICTION OR CONTRACT.

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 A325 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 A325-SC. SLIP CRITICAL (SC) CONNECTIONS MUST BE FREE OF PAINT, OIL OR OTHER MATERIALS THAT REDUCE FRICTION AT CONTACT SURFACES. GALVANIZED OR LIGHTLY RUSTED SURFACES ARE ACCEPTABLE.

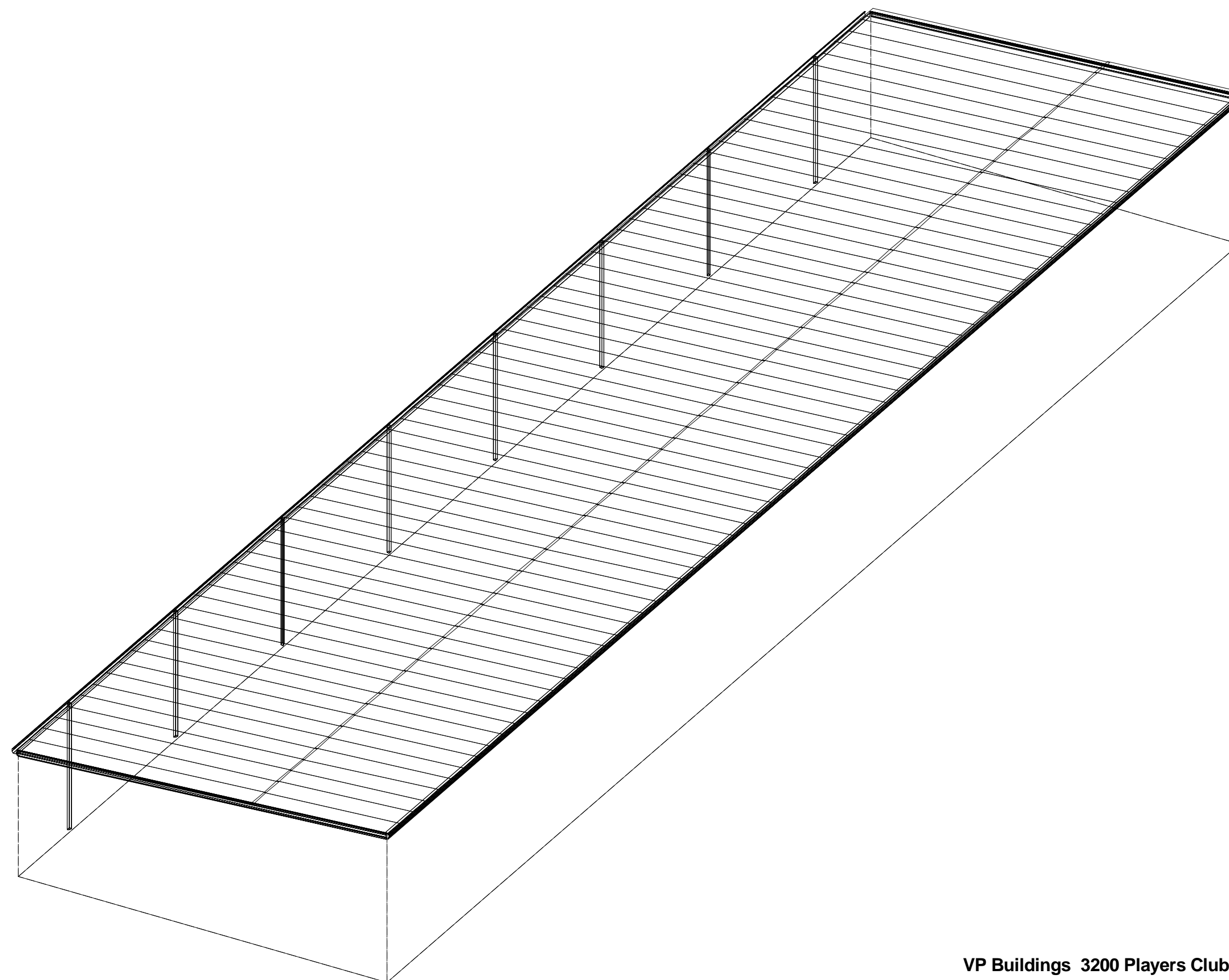
IN CANADA, ALL A325 AND A490 BOLTS SHALL BE "PRE-TENSIONED", EXCEPT FOR SECONDARY MEMBERS AND FLANGE BRACES.

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

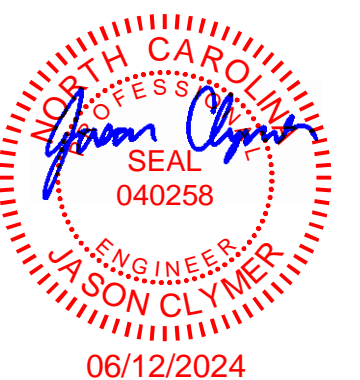
INSPECTION AND TESTING

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 (QAA) APPROVED BY THE AHJ. THE BUILDER IS RESPONSIBLE TO COORDINATE BETWEEN THE QAA FIRM AND BBNA FABRICATION FACILITIES. THE TYPE AND EXTENT OF SPECIAL INSPECTIONS AND NDT WELD TESTING MUST BE SPECIFICALLY STIPULATED IN CONTRACT DOCUMENTS OR BBNA WILL ASSUME SPECIAL INSPECTIONS AND/OR NDT TESTING ARE WAIVED AS PERMITTED BY THE BUILDING CODE BASED ON BBNA FACILITIES IAS AC472 ACCREDITATION.

BASIC ERECTION GUIDE 4001
BASIC PANELS AND ACCESSORIES ERECTION GUIDE 4003



VP Buildings 3200 Players Club Circle Memphis TN 38125



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THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF VP BUILDINGS. 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 VP BUILDINGS.

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, ALL APPLICABLE VP BUILDINGS ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.



D COVER SHEET

BUILDER	Lemartec Corporation	JOBNO	24-008562
CUSTOMER	Duke Energy	DATE	06/13/2024
LOCATION	Dunn, North Carolina	DRAWN / CHECK	MRS FCJ
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer	PAGE	1
BUILDERS POW	23068 - Vehicle_R1	VPC VERSION:	24.1.1
FILENAME	Duke Energy - Vehicle and Trailer Shelter_R1	a division of BlueScope Buildings North America, Inc.	

Codes and Loads
 WHEN MULTIPLE BUILDINGS ARE INVOLVED, SPECIFIC LOAD FACTORS FOR DIFFERING OCCUPANCIES, BUILDING DIMENSIONS, HEIGHTS, FRAMING SYSTEMS, ROOF SLOPES, ETC., MAY RESULT IN DIFFERENT LOAD APPLICATION FACTORS THAN INDICATED BELOW. SEE CALCULATIONS FOR FURTHER DETAILS. WIND LOADS ARE APPLIED TO OVERALL BUILDING ENVELOPE. COMMON WALLS BETWEEN CONNECTED SHAPES ARE NOT SUBJECT TO EXTERNAL WIND LOADS.

City: Dunn County: Harnett State: North Carolina Country: United States

Building Code
 Building Code: 2018 North Carolina Building Code
 Based on Building Code: 2015 International Building Code
 Building Risk/Occupancy Category: II (Standard Occupancy Structure)

Dead and Collateral Loads
 Collateral Gravity: 5.00 psf
 Collateral Uplift: 0.00 psf

Material Dead Weight
 Roof Covering + Second. Dead Load: 3.31 psf
 Frame Weight (assumed for seismic): 2.50 psf

Wind Load
 Wind Speed: Vult: 119.00 (Vasd: 92.18) mph
 The 'All Heights' Method is Used - User Modified
 Wind Exposure: C - Kz: 0.888
 Parts Wind Exposure Factor: 0.888
 Wind Enclosure: Free Roof - Clear/Obstr
 Topographic Factor: Kzt: 1.0000
 Hurricane Prone Region
 NOT Windborne Debris Region
 Base Elevation: 0/0/0
 Primary Zone Strip Width: 2a: 18/6/12
 Parts / Portions Zone Strip Width: a: 5/0/0
 Velocity Pressure: qz: 27.36 psf

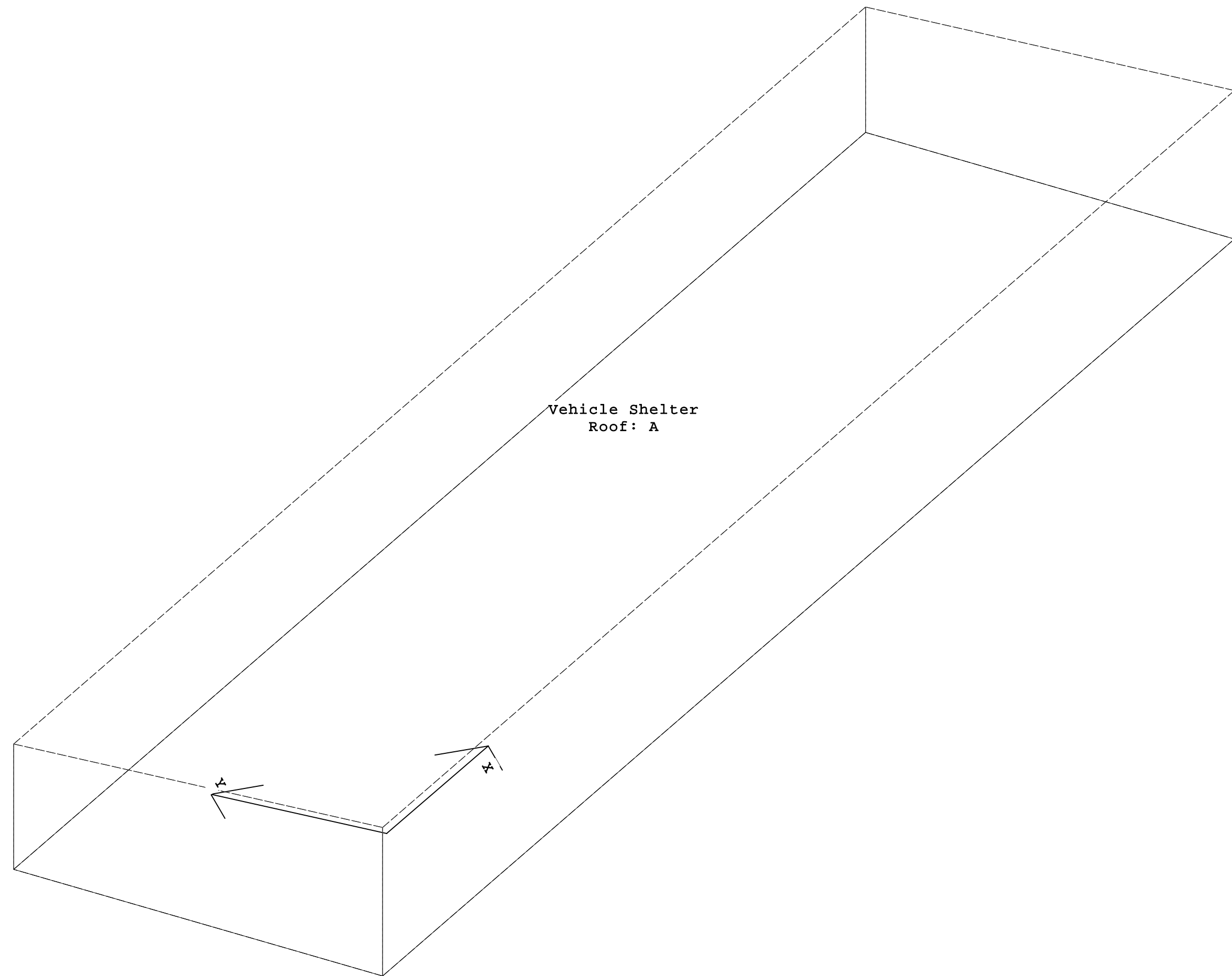
Snow Load
 Ground Snow Load: pg: 10.00 psf
 Flat Roof Snow: pf: 7.56 psf
 Design Snow (Sloped): ps: 7.56 psf
 Rain Surcharge: 0.00 psf
 Specified Minimum Roof Snow: 10.00 psf (Code)
 Exposure Factor: 1 Fully Exposed - Ce: 0.90
 Snow Importance: Is: 1.000
 Thermal Factor: Unheated - Ct: 1.20
 Ground / Roof Conversion: 0.70
 Unobstructed, Slippery

Roof Live Load
 Roof Live Load: 20.00 psf Reducible

Seismic Load
 Lateral Force Resisting Systems using Equivalent Force Procedure
 Mapped MCE Acceleration: Ss: 17.90 %g
 Mapped MCE Acceleration: S1: 8.40 %g
 Site Class: Stiff soil (D)
 Seismic Importance: Ie: 1.000
 Design Acceleration Parameter: Sds: 0.1909
 Design Acceleration Parameter: Sd1: 0.0000
 Seismic Design Category: C
 Seismic Snow Load: 0.00 psf
 % Snow Used in Seismic: 0.00
 Diaphragm Condition: Rigid
 Fundamental Period Height Used: 18/6/12

Transverse Direction Parameters
 System NOT detailed for Seismic
 Redundancy Factor: Rho: 1.00
 Fundamental Period: Ta: 0.0000
 R-Factor: 3.00
 Overstrength Factor: Omega: 3.00
 Deflection Amplification Factor: Cd: 3.00
 Base Shear: V: 0.0100 x W - USR

Longitudinal Direction Parameters
 System NOT detailed for Seismic
 Redundancy Factor: Rho: 1.00
 Fundamental Period: Ta: 0.0000
 R-Factor: 3.00
 Overstrength Factor: Omega: 3.00
 Deflection Amplification Factor: Cd: 3.00
 Base Shear: V: 0.0100 x W - USR



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				REV DATE BY DESCRIPTION	BUILDER: Lemartec Corporation CUSTOMER: Duke Energy LOCATION: Dunn, North Carolina PROJECT: Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter BUILDERS PO#: 23068 - Vehicle_R1 NTS VPC VERSION: 24.1.1
FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1				JOBNO: 24-008562 DATE: 06/13/2024 DRAWING CHECK: MRS FCJ PAGE: 2	

BUILDER/CONTRACTOR RESPONSIBILITIES

VP Buildings follows the guidelines as outlined in the AISC and MBMA Codes of Standard Practice. VP Buildings standard product specifications, design, fabrication, quality criteria shall govern all work unless stipulated otherwise in the contract documents. In case of discrepancies between VP Buildings structural plans and plans for other trades, VP Buildings 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 VP Buildings drawings constitutes the builders acceptance of VP interpretation of the contract purchase order. Unless specific design criteria concerning interface design and details are furnished as part of the contract, VP Buildings design assumptions shall govern.

VP engineers are not Project Engineers or Engineer of Record for the overall project. VP engineering supply sealed engineering design data and drawings for VP 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 VP are to be considered and coordinated by the builder or A/E firm.

CONSTRUCTION & ERECTION RESPONSIBILITY

The Builder is responsible for construction in strict accordance with VP Buildings "FOR CONSTRUCTION" drawings and all applicable product installation guides. VP is not responsible for work done from any other VP 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 S16), which require L/500 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. VP bracing is designed for code required loads after building completion and shall not be considered as adequate erection bracing. See Erection 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 to an endwall or modular frame). Shims are normally provided by the erector, but may be ordered upon request by contacting your Project Manager.

EXISTING STRUCTURES

VP must be advised of any structure that is within 20 ft. of VP's building. Load effects from snow drifting, wind effects, and seismic separation must be considered for both the new and existing structures. VP has designed the new VP 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 VP 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 VP 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 VP components. VP accepts no responsibility for design or installation of bracing systems not furnished by VP.

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. Filler metal shall be 70 ksi (480 MPa) tensile strength. For welds in high seismic force resisting system (Seismic Cat D, E or F), minimum Charpy V-Notch toughness shall meet AISC-341 criteria (20 ft-lbs min @ 0Deg F). Interpass temperatures shall not exceed 550Deg F (300Deg C).

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.

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 bulk storage limits. Floor loading signs shall clearly indicate maximum floor live load permitted. Bulk 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.

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 VP'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 documents 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 job site storage procedure.

SEALANTS

Sealants shall be applied in strict accordance with VP 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 VP building has been provided to avoid structural damage due to differential movements, or inadvertently apply loads to the VP structure. VP 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 code 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 VP of any special requirements to be furnished by VP.

FIELD MODIFICATIONS

Modifications to this building from details and instructions contained on these drawings must be approved in writing by VP Buildings 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. VP Buildings accepts no responsibility for the consequences of any unauthorized additions, alterations, or added loads to this structure.

If the builder intends to invoice VP Buildings for modifications in excess of \$1000, The builder must notify VP Buildings immediately, and obtain a Work Authorization from VP Buildings prior to proceeding. All final claims must be submitted to VP Buildings 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 VP Buildings, any wall to steel compatibility issues such as drift and deflection compatibility, special base details, and wall to VP 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 VP 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 VP, fabrication methods, installation procedures, and post installation thermal forces. Thru fastened panels will exhibit some dimpling when installed, especially when insulation is installed 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 members and properly seamed prior to departure 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. VP 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 VP's shop coat is to provide protection for the steel members during transportation, during temporary job site storage and during erection. 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 properly drained during job site storage. It is the Builder's responsibility to ensure that if a finish coat is being applied over VP shop coat that the painting contractor verifies compatibility between his finish coat and VP's shop coat.

VP BUILDINGS 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 #FB00031; City of Houston, TX 767 & 429; 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.iasonline.org/services/metal-building-inspection) Listed under Varco Pruden Buildings, 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--AL#CA-5589-E; AZ#22225-0; AR#576; FL#30427; GA#PEF007551; ID#C-2470; IL#184-002649; KS#E-29; KY#4490; LA#EF6722; MS#E-0592; MO#E-2010007736; NC#F-0998; ND#1579PE; NJ#24GA28318800; NV#20437; OH#05898; OK#CA4170PE; RI#8838; SC#6206; SD#C-1787; TX#F4828; VA#0411001520; VA#0411001518; WA#4119; WV#C03059-00 CAN--AB#P08900; NB#F0951; NL#D0044; NS#30123; NT#P062; ON#100148796; and YT#PP134

ICC Evaluation Reports (www.icc-es.org)

SSR Roof System - #ESR-2527

State of Florida Product Approvals (www.floridabuilding.org)

Approved Products Listed Under VP Buildings, Inc. VP TextureClad - See Transamerican Structuroc, Inc.

Dade Co. Product Approval (www.miamidade.gov/buildingcode)

Approved Products Listed Under Varco Pruden Buildings, Inc. VP TextureClad - See Transamerican Structuroc, Inc.

Underwriter's Laboratory Approvals (Available only when specified in contract)

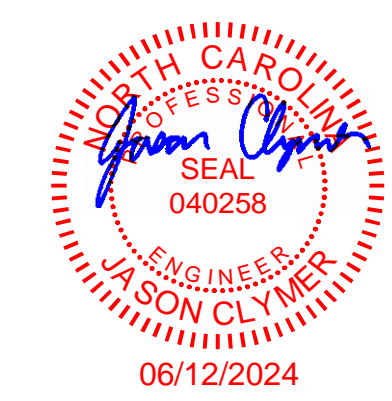
SSR Roof-UL#TGKX-113; SSR Composite Roof Class 90-UL#TGKX-113A; SSR Roof w/Super Block; Class 90-UL#TGKX-328; Panel Rib Roof UL Class 60-UL#TGKX-60; Panel Rib Roof UL Class 90-UL#TGKX-64; VP SLR II Roof Class 90-UL#TGKX-90, -180, -435, -435A, -176, -238, -238A, -238B

Factory Mutual Approved Assemblies (Available only when specified in contract)

SSR Roof Systems are approved in various type applications and listed in FM Approval Guide. 24 Ga SSR (0.0227" Nominal), is available in Class 1-60, 1-75, 1-90. 22Ga SSR (0.0277" Nominal), is available in Class 1-75, 1-90, 1-120.

SLR II Roof Systems are approved in various type applications and listed in FM Approval Guide.

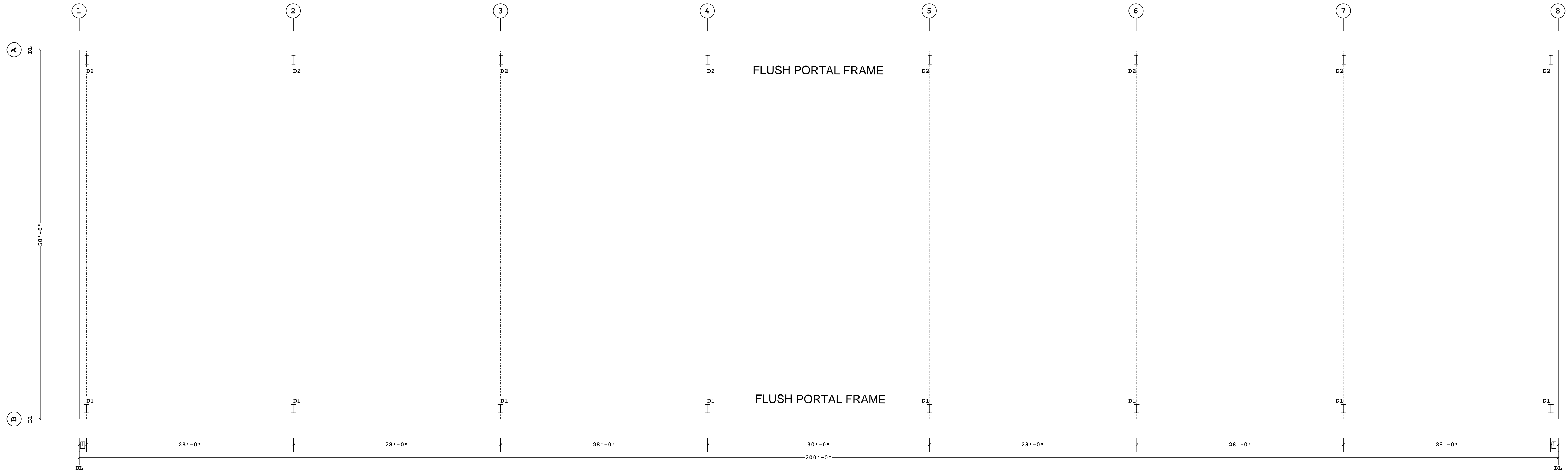
24 Ga SLR II (0.0227" Nominal), is available in Class 1-75 and 1-120.



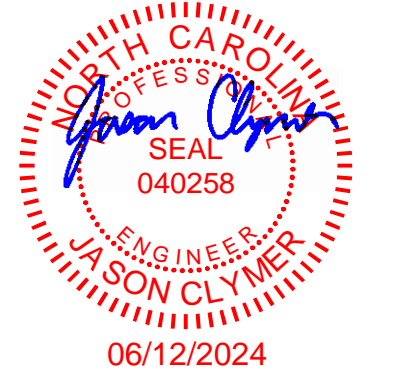
FOR CONSTRUCTION

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			<p>REV</p>	<p>DATE</p>	





ANCHOR ROD PLAN

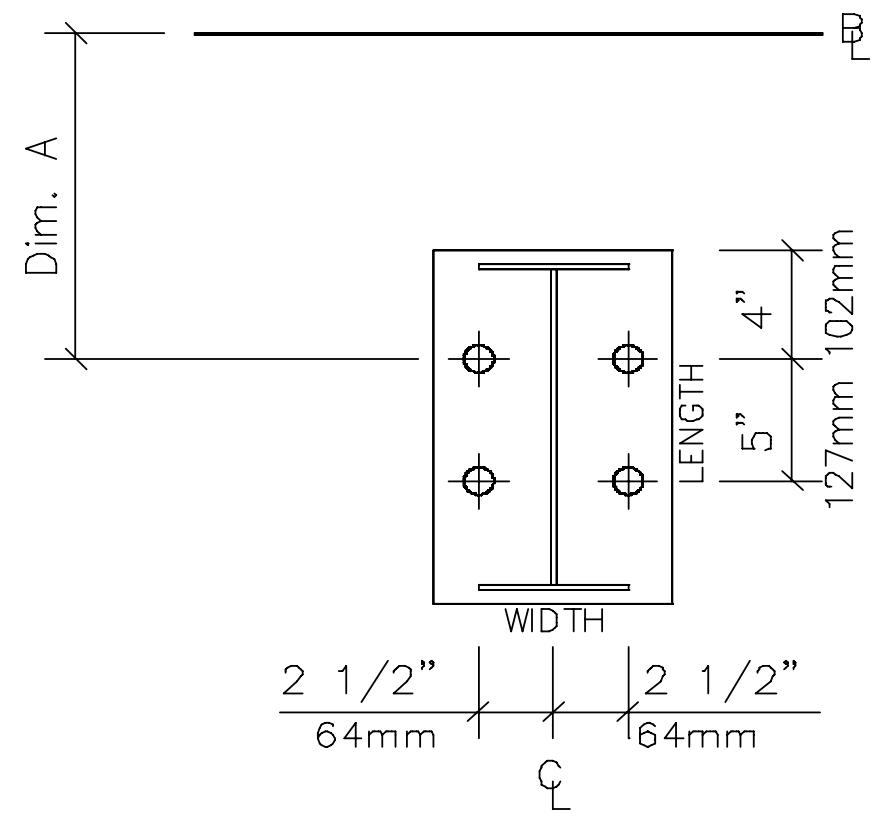


1 1'-0"
 Dimension Key

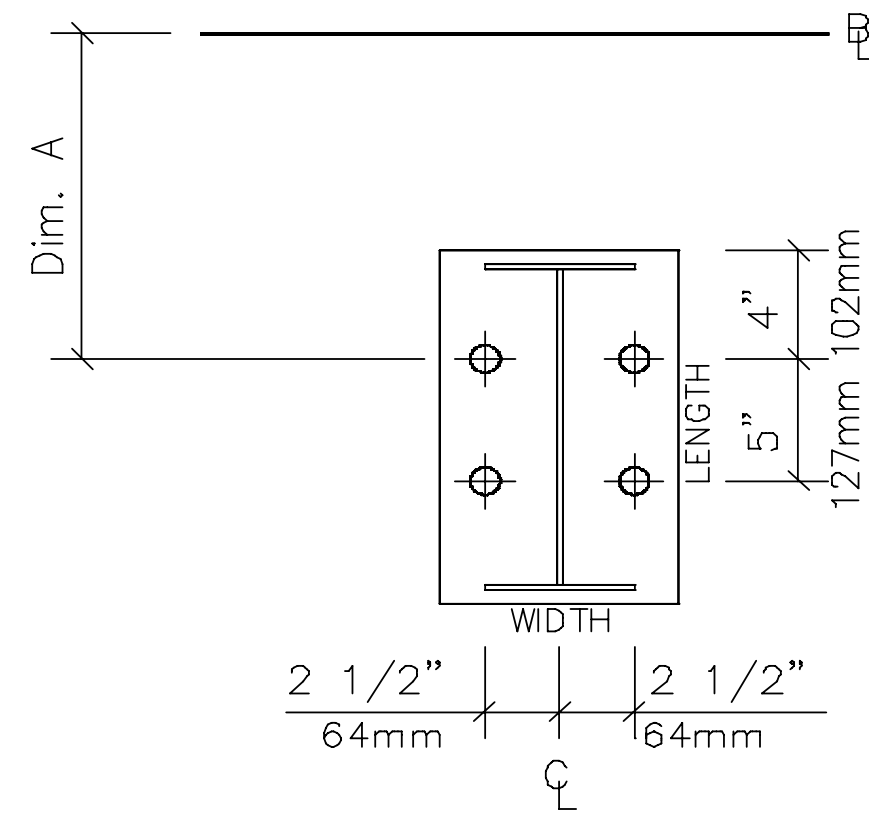
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

FOR CONSTRUCTION

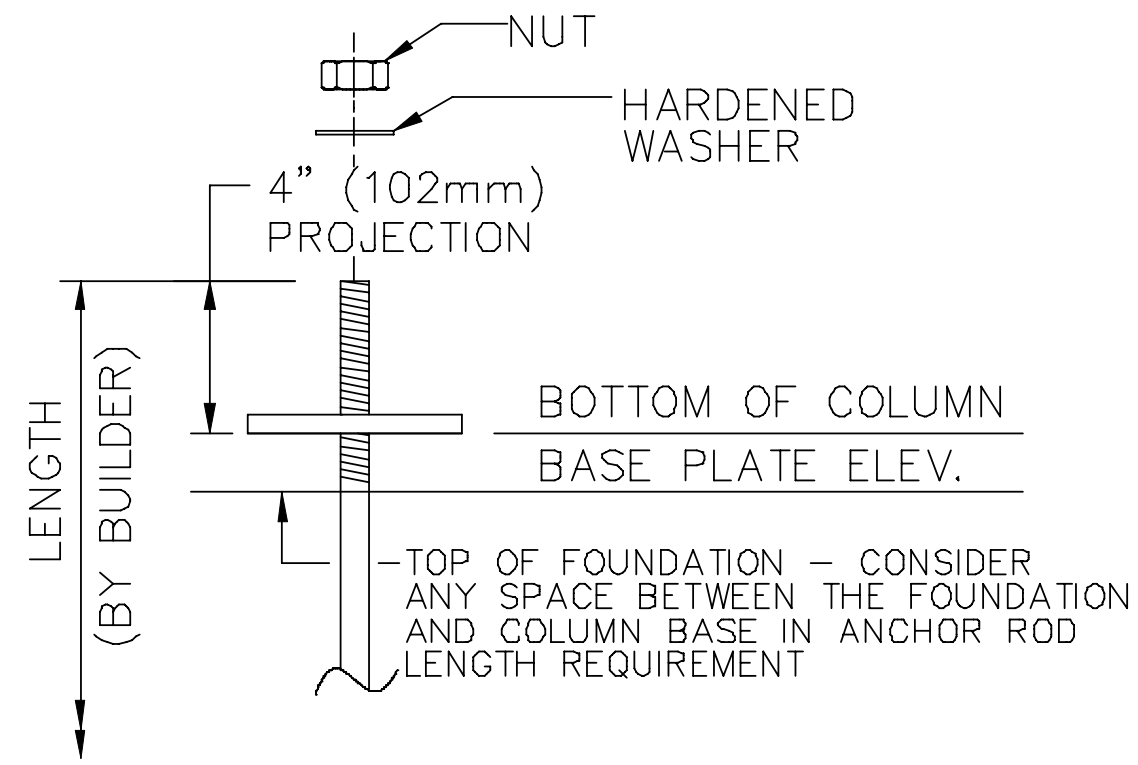
<p><-> THE BUILDING IS DESIGNED WITH BRACING DIAGONALS IN THE DESIGNATED BAYS. COLUMN BASE REACTIONS, BASE PLATES AND ANCHOR RODS ARE AFFECTED BY THIS BRACING AND DIAGONALS MAY NOT BE RELOCATED WITHOUT CONSULTING THE BUILDING SUPPLIERS ENGINEER.</p>	<p>THE VP ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF VP AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY VP. THE VP ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY VP EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY VP.</p>	<p>THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF VP BUILDINGS. 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 VP BUILDINGS.</p> <p>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, ALL APPLICABLE VP BUILDINGS ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.</p>	<p>D</p> <p>VP Buildings 3200 Players Club Circle Memphis TN 38125</p>	<p>ANCHOR ROD PLAN</p>																																																									
				<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DATE	BY	DESCRIPTION																																					<table border="1"> <tr> <td>BUILDER</td> <td>Lemartec Corporation</td> </tr> <tr> <td>CUSTOMER</td> <td>Duke Energy</td> </tr> <tr> <td>LOCATION</td> <td>Dunn, North Carolina</td> </tr> <tr> <td>PROJECT</td> <td>Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter</td> </tr> <tr> <td>BUILDERS PO#</td> <td>23068 - Vehicle_R1</td> </tr> </table>	BUILDER	Lemartec Corporation	CUSTOMER	Duke Energy	LOCATION	Dunn, North Carolina	PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	BUILDERS PO#	23068 - Vehicle_R1	<p>VP BUILDINGS VARCO PRUDEN A BlueScope Steel Company</p>	<table border="1"> <tr> <td>JOBNO</td> <td>24-008562</td> </tr> <tr> <td>DATE</td> <td>05/20/2024</td> </tr> <tr> <td>DRAWING CHECK</td> <td>MB WJC</td> </tr> <tr> <td>PAGE</td> <td>4</td> </tr> </table>	JOBNO	24-008562	DATE	05/20/2024
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<p>5/15/2024 10:18:08</p>			<p>FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1</p>																																																										



D1 (4)1" Dia.
Plate W6x9, L=1'-3"
Dim: A=1'-1 1/2"
Elev.=100'-0"

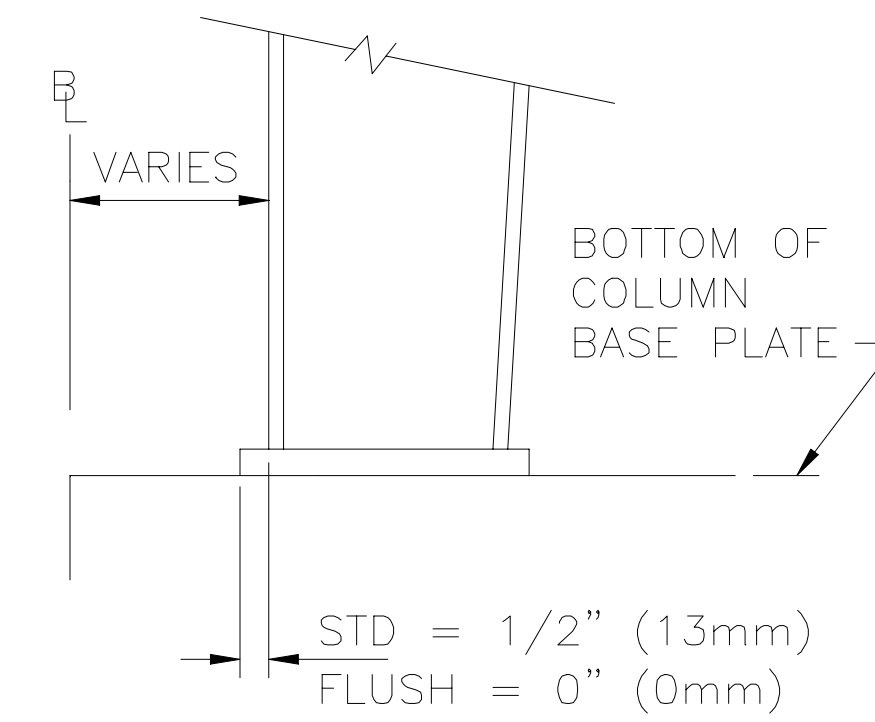


D2 (4)1" Dia.
Plate W6x9, L=1'-3"
Dim: A=1'-1 1/2"
Elev.=100'-0"



THE 4" PROJECTION ABOVE THE BOTTOM OF THE BASE PLATE IS A SUGGESTED MINIMUM TO ENSURE ADEQUATE ANCHOR ROD LENGTH. A DIFFERENT PROJECTION MAY BE REQUIRED BY THE FOUNDATION DESIGNER.
THE ANCHOR ROD PROJECTION MAY NEED TO BE CUT OFF IF THERE IS INTERFERENCE WITH OTHER PARTS.

SUGGESTED ANCHOR ROD PROJECTION



TYPICAL COLUMN BASE PLATE DETAIL

- ANCHOR RODS, NUTS, HARDENED WASHERS AND ANY OTHER EMBEDDED ITEMS ARE TO BE FURNISHED BY CONTRACTOR.
- ANCHOR ROD DIAMETERS WERE DETERMINED BY ALLOWABLE SHEAR AND TENSION PER AISC SPECIFICATIONS (FY=36KSI). (ASTM F1554 GRADE 36) ANCHOR ROD LENGTH, EFFECTS OF EMBEDDED ANCHOR ROD EDGE DIMENSIONS AND METHOD OF TRANSFERRING FORCES FROM ANCHOR RODS TO FOOTINGS ARE TO BE DETERMINED BY OTHERS.
- UNLESS OTHERWISE SPECIFIED, ANCHOR RODS ARE DESIGNED AND DETAILED AS "CAST-IN-PLACE" ANCHOR RODS WITH "SNUG TIGHT" CONNECTIONS.
- FOUNDATION MUST BE LEVEL, SQUARE AND SMOOTH. ANCHOR RODS MUST BE ACCURATELY PLACED AS SHOWN ON THIS DRAWING OR STEEL WILL NOT FIT. THE BUILDER IS RESPONSIBLE FOR ACCURATE SETTING OF ANCHOR RODS PER AISC CODE OF STANDARD PRACTICE, SEC 7.5 VARIATIONS ARE SUMMARIZED BELOW:
 - CENTERS OF ANY TWO AR'S WITHIN A COLUMN BASE GROUP; $\pm 1/8"$
 - CENTERS OF ADJACENT AR GROUPS; $\pm 1/4"$
 - TOPS OF AR'S; $\pm 1/2"$
 - ACCUMULATED DIM BETWEEN CENTERS OF AR GROUPS ALONG COLUMN LINE; $\pm 1/4"$ PER 100FT., NOT TO EXCEED 1" TOTAL.
 - DIM FROM CENTER OF ANY AR GROUP FROM COLUMN LINE; $\pm 1/4"$
- DESIGN LOADS AND REACTIONS ARE FURNISHED IN THE REACTIONS REPORT.

Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

FOR CONSTRUCTION

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REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

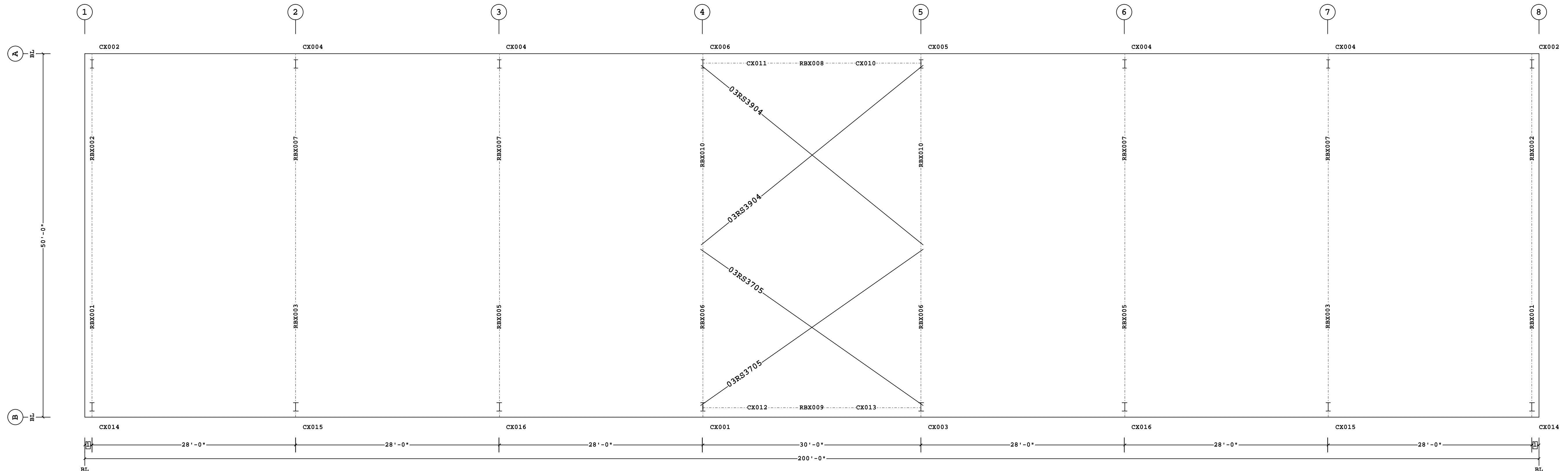
ANCHOR ROD DETAILS

BUILDER	Lemartec Corporation	JOBNO	24-008562
CUSTOMER	Duke Energy	DATE	05/20/2024
LOCATION	Dunn, North Carolina	DRAWING/CHECK	MB WJC
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	PAGE	5
BUILDERS PO#	23068 - Vehicle_R1	VP VERSION:	24.1.1



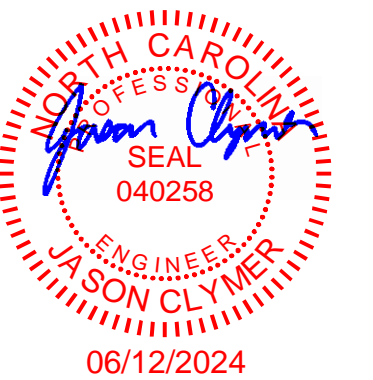
06/12/2024

Bracing Part Schedule			Detail
Part	Qty	Length	
03RS3705	2	37'-5"	BR01G2
03RS3904	2	39'-4"	BR01G2



PRIMARY AND ROOF BRACING PLAN

1 1'-0"
 □ Dimension Key



Shape Name = Vehicle Shelter

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 CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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REV	DATE	BY	DESCRIPTION	BUILDER	CUSTOMER	LOCATION	PROJECT	BUILDERS PO#	VP BUILDINGS	JOBNO	DATE	DRAWING CHECK	PAGE
D				Lemartec Corporation	Duke Energy	Dunn, North Carolina	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	23068 - Vehicle_R1	VP BUILDINGS VARCO PRUDEN A BlueScope Steel Company	24-008562	06/13/2024	MRS FCJ	6
VP Buildings 3200 Players Club Circle Memphis TN 38125				PRIMARY AND ROOF BRACING PLAN		NTS		VPC VERSION: 24.1.1		FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1			

5/24/2024

13:21:28

Region of BlueScope Buildings North America, Inc.

Frame Member Schedule						
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2
CX010	1	6.0000	.2500	.1345	1'-0"	1'-0"
RBX008	2-3	6.0000	.2500	.1345	10"	10"
CX011	4	6.0000	.2500	.1345	1'-0"	1'-0"

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	4	A325	3/4"	2 1/2"	1/2"	1	1	0097284	
B	2	A325	3/4"	2 1/2"	3/8"			0097284	
C	2	A325	3/4"	2 1/2"	3/8"			0097284	

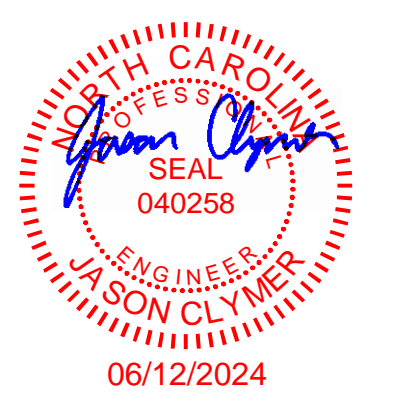
Frame Clearances
 Horiz. Clearance between members 1(CX010) and 4(CX011): 27'-11"
 Vert. Clearance at member 1(CX010): 14'-10 1/2"
 Vert. Clearance at member 4(CX011): 14'-10 1/2"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



PORTAL FRAME ELEVATION ALONG A

- 2 1'-4"
- 1 1/2"

□ Dimension Key



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 CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

BUILDER	Lemartec Corporation
CUSTOMER	Duke Energy
LOCATION	Dunn, North Carolina
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter
BUILDERS PO#	23068 - Vehicle_R1
VP VERSION:	24.1.1

JOBNO	24-008562
DATE	06/13/2024
DRAWN/CHECK	MRS FCJ
PAGE	7

5/24/2024

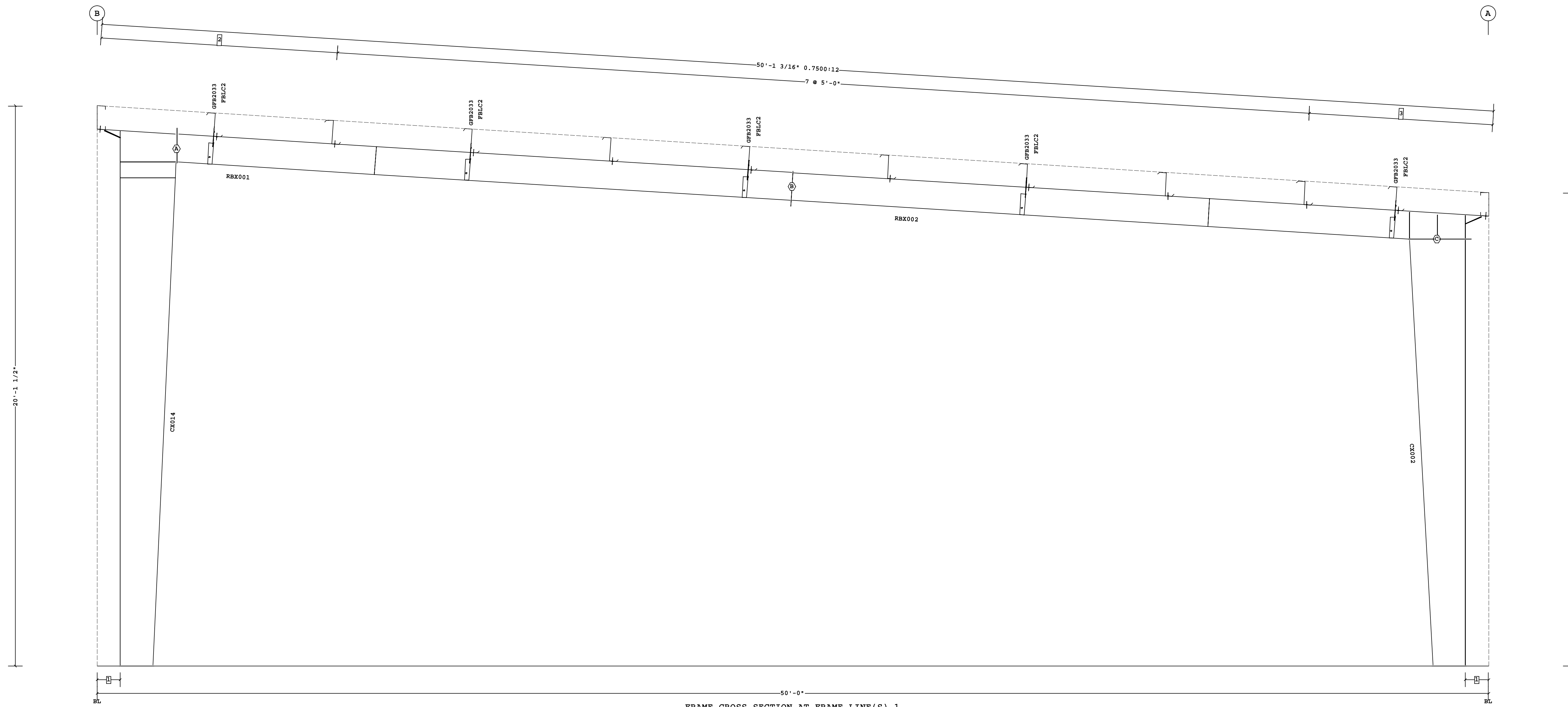
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FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX014	1	8.0000	.2500	.1345	1'-2"	1'-11 3/4"	19'-2 7/8"	506#
	2	8.0000	.2500	.1875	1'-11 3/4"	2'-0"		
RBX001	3	6.0000	.3750	.1345	1'-0"	1'-0"	22'-2 1/8"	402#
	4	6.0000	.2500	.1345	1'-0"	1'-0"		
RBX002	5	5.0000	.1875	.1875	1'-0"	1'-0"	25'-0 3/8"	401#
	6	5.0000	.3750	.1345	1'-0"	1'-0"		
CX002	7	6.0000	.2500	.1345	1'-2"	2'-0"	15'-4 1/16"	316#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	8	A325	3/4"	2 1/2"	5/8"	2	2	0097284	
B	10	A325	3/4"	2 1/2"	3/8"	2	3	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	2	1	0097284	

Frame Clearances
 Horiz. Clearance between members 1(CX014) and 7(CX002): 44'-4 1/4"
 Horiz. Clearance between members 2(CX014) and 7(CX002): 44'-4"
 Vert. Clearance at member 2(CX014): 18'-0 7/8"
 Vert. Clearance at member 7(CX002): 15'-4 1/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 1

- 3 2 @ 3'-3 9/16"
- 2 2 @ 4'-3"
- 1 10"

□ Dimension Key



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 CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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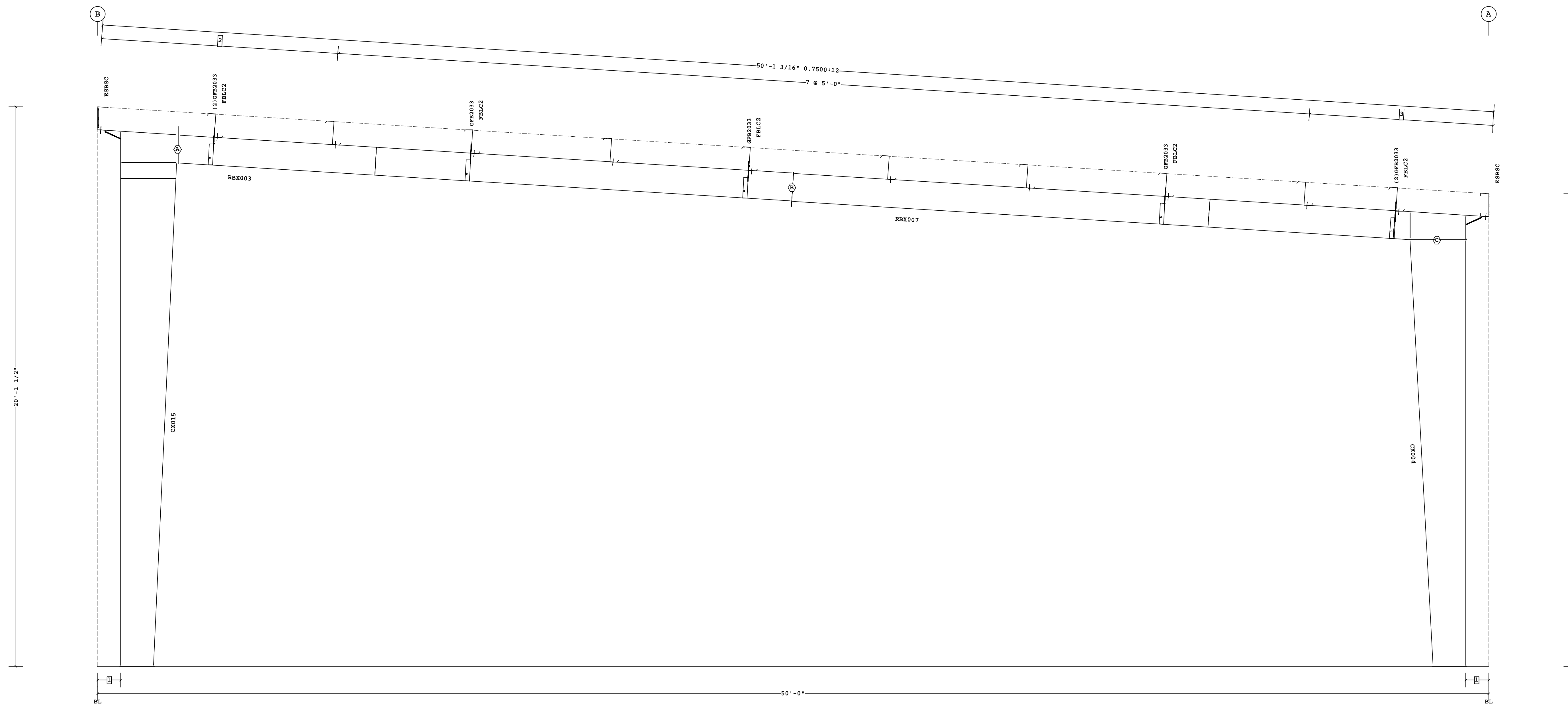
REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

FRAME CROSS SECTION AT FRAME LINE(S) 1		JOBNO 24-008562	
BUILDER Lemartec Corporation	CUSTOMER Duke Energy	DATE 06/13/2024	
LOCATION Dunn, North Carolina	PROJECT Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	DRAWN/CHECK MRS FCJ	
BUILDERS PO# 23068 - Vehicle_R1	VPC VERSION: 24.1.1	PAGE 8	

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX015	1	8.0000	.3750	.1345	1'-2"	1'-11 3/4"	19'-2 7/8"	706#
	2	8.0000	.3750	.3750	1'-11 3/4"	2'-0"		
RBX003	3	6.0000	.6250	.3125	1'-0"	1'-0"	22'-1 7/8"	579#
	4	6.0000	.3125	.1345	1'-0"	1'-0"		
RBX007	5	6.0000	.3125	.1644	1'-0"	1'-0"	25'-0 5/16"	567#
	6	6.0000	.5000	.1345	1'-0"	1'-0"		
	7	6.0000	.5000	.2500	1'-0"	1'-0"		
CX004	8	6.0000	.5000	.1345	1'-2"	2'-0"	15'-4 1/16"	472#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	6	A325	1 1/8"	4"	1"	2	1	0097289	
B	6	A325	3/4"	2 1/2"	1/2"	1	2	0097284	
C	8	A325	3/4"	2 1/2"	1/2"	3	1	0097284	

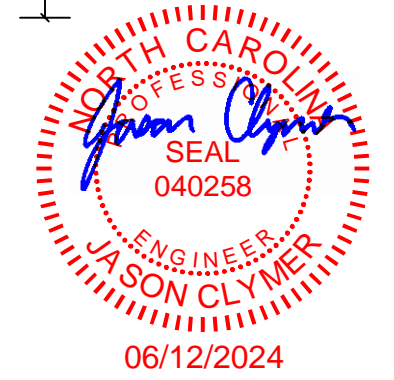
Frame Clearances
 Horiz. Clearance between members 1(CX015) and 8(CX004): 44'-4 1/4"
 Horiz. Clearance between members 2(CX015) and 8(CX004): 44'-4"
 Vert. Clearance at member 2(CX015): 18'-0 7/8"
 Vert. Clearance at member 8(CX004): 15'-4 1/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 2

- 3 2 @ 3'-3 9/16"
- 2 2 @ 4'-3"
- 1 10"

□ Dimension Key



FOR CONSTRUCTION

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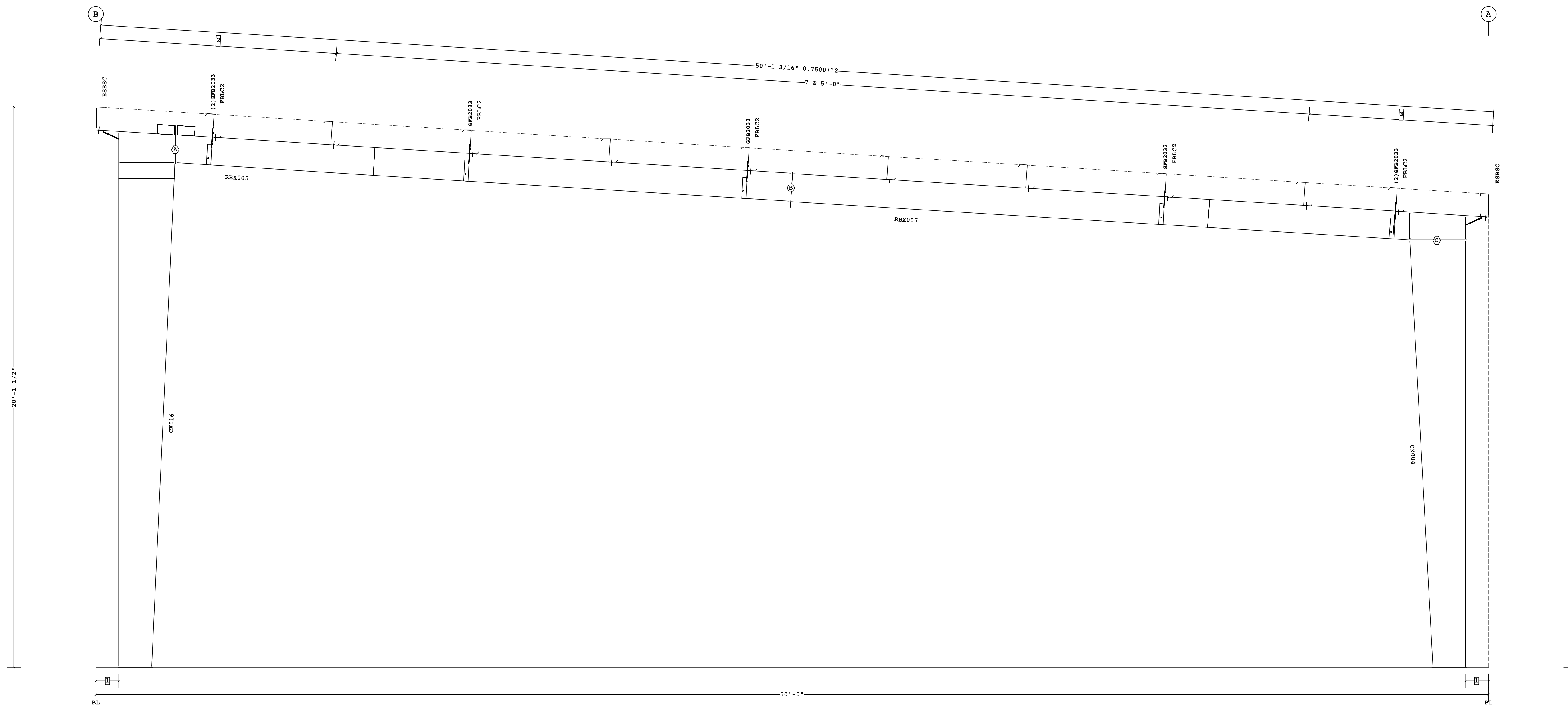
REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

BUILDER		Lemartec Corporation	
CUSTOMER		Duke Energy	
LOCATION		Dunn, North Carolina	
PROJECT		Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	
BUILDERS PO#		23068 - Vehicle_R1	
VPC VERSION:		24.1.1	
JOBNO		24-008562	
DATE		06/13/2024	
DRAWN/CHECK		MRS FCJ	
PAGE		9	

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX016	1	8.0000	.3750	.1345	1'-2"	1'-11 3/4"	19'-2 7/8"	700#
	2	8.0000	.3750	.3750	1'-11 3/4"	2'-0"		
RBX005	3	6.0000	.6250	.3125	1'-0"	1'-0"	22'-2 1/8"	574#
	4	6.0000	.3125	.1345	1'-0"	1'-0"		
RBX007	5	6.0000	.3125	.1644	1'-0"	1'-0"	25'-0 5/16"	567#
	6	6.0000	.5000	.1345	1'-0"	1'-0"		
	7	6.0000	.5000	.2500	1'-0"	1'-0"		
CX004	8	6.0000	.5000	.1345	1'-2"	2'-0"	15'-4 1/16"	472#

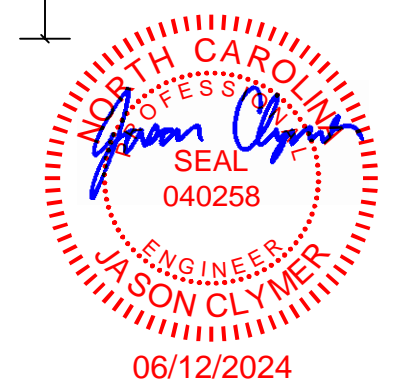
Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo		
A	6	A325	1 1/4"	4"	3/4"	2	1	0097290		
B	6	A325	3/4"	2 1/2"	1/2"	1	2	0097284		
C	8	A325	3/4"	2 1/2"	1/2"	3	1	0097284		

Frame Clearances
 Horiz. Clearance between members 1(CX016) and 8(CX004): 44'-4 1/4"
 Horiz. Clearance between members 2(CX016) and 8(CX004): 44'-4"
 Vert. Clearance at member 2(CX016): 18'-0 7/8"
 Vert. Clearance at member 8(CX004): 15'-4 1/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 3

- 3 2 @ 3'-3 9/16"
 - 2 2 @ 4'-3"
 - 1 10"
- Dimension Key



FOR CONSTRUCTION

1. USE 1/2 X 1 1/2 A325 BOLT (49080) AND NUT (47120) 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.

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

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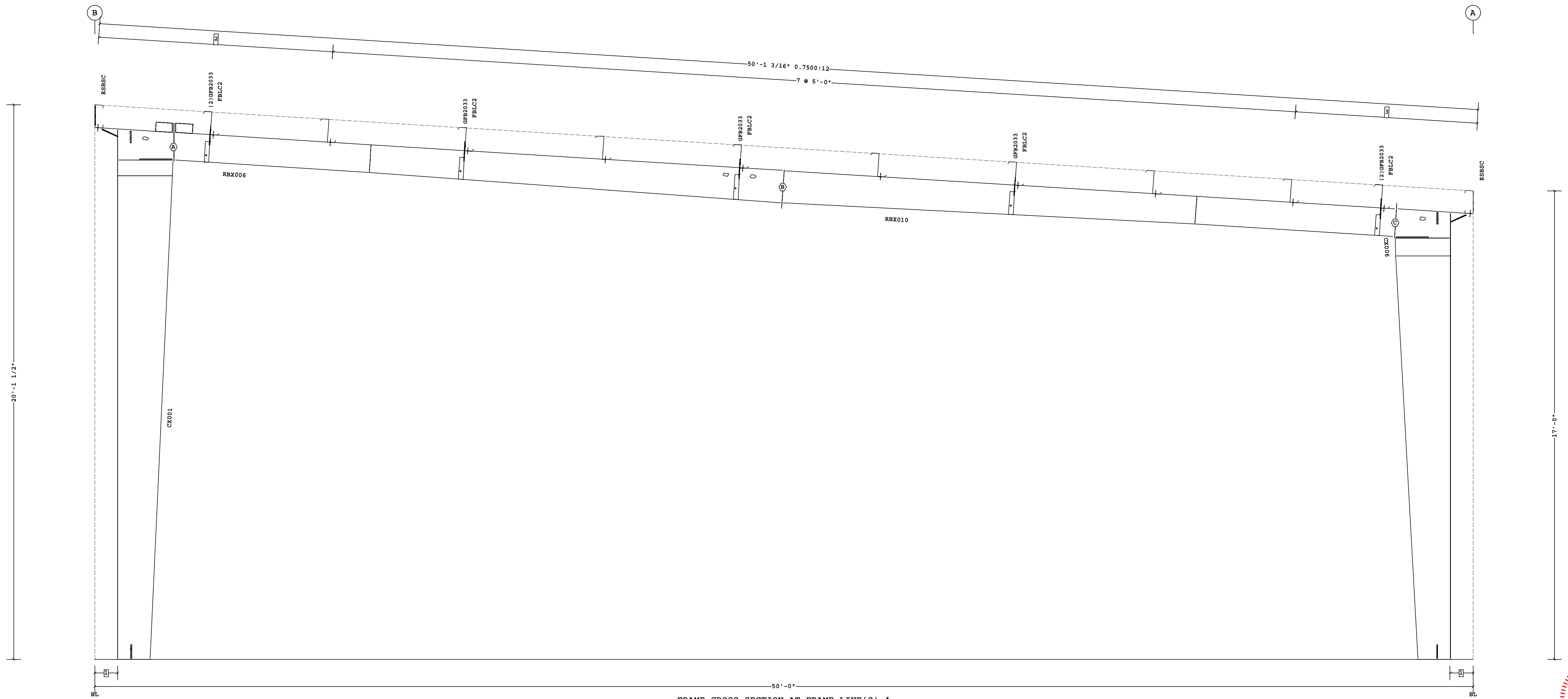
REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

BUILDER		Lemartec Corporation	
CUSTOMER		Duke Energy	
LOCATION		Dunn, North Carolina	
PROJECT		Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	
BUILDERS PO#		23068 - Vehicle_R1	
VP BUILDINGS		VARCO PRUDEN A BlueScope Steel Company	
JOBNO		24-008562	
DATE		06/13/2024	
DRAWN/CHECK		MRS FCJ	
PAGE		10	

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX001	1	8.0000	.3750	.2500	1'-2"	1'-11 3/4"	19'-2 7/8"	859#
	2	8.0000	.3750	.6250	1'-11 3/4"	2'-0"		
RBX006	3	6.0000	.6250	.3125	1'-0"	1'-0"	22'-2 1/8"	583#
	4	6.0000	.3125	.1345	1'-0"	1'-2"		
RBX010	5	6.0000	.3125	.1345	1'-2"	1'-0"	22'-3 1/16"	499#
	6	6.0000	.5000	.1345	1'-0"	1'-0"		
CX006	7	6.0000	.5000	.5000	1'-11 5/8"	2'-0"	16'-4"	606#
	8	6.0000	.5000	.1345	1'-2"	1'-11 5/8"		

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thck.	Rows Out	Rows In	PartNo	
A	6	A325	1 1/4"	4"	3/4"	2	1	0097290	
B	6	A325	3/4"	2 1/2"	1/2"	1	2	0097284	
C	8	A325	3/4"	2 1/2"	3/4"	3	1	0097284	

Frame Clearances
 Horiz. Clearance between members 1(CX001) and 7(CX006): 44'-4 1/4"
 Horiz. Clearance between members 1(CX001) and 8(CX006): 44'-4 5/8"
 Horiz. Clearance between members 2(CX001) and 7(CX006): 44'-4"
 Horiz. Clearance between members 2(CX001) and 8(CX006): 44'-4 3/8"
 Vert. Clearance at member 2(CX001): 18'-0 7/8"
 Vert. Clearance at member 7(CX006): 15'-3 9/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



- 3 2 @ 3'-3 9/16"
- 2 2 @ 4'-3"
- 1 10"

□ Dimension Key

Shape Name = Vehicle Shelter Wall 4, Frame 4

FOR CONSTRUCTION

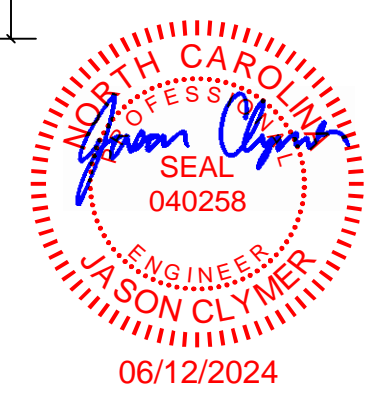
1. USE 1/2 X 1 1/2 A325 BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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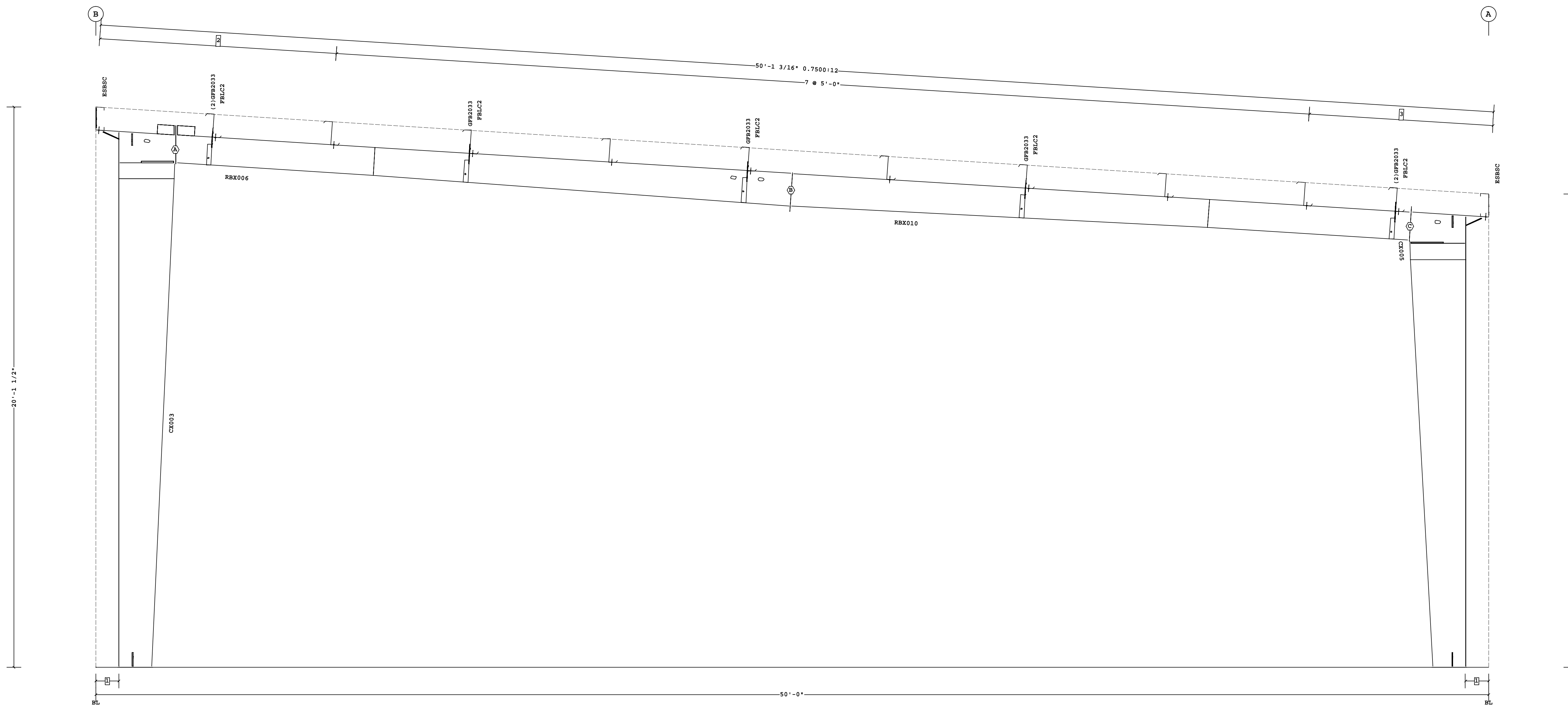
REV	DATE	BY	DESCRIPTION	BUILDER	CUSTOMER	LOCATION	PROJECT	BUILDERS PO#	VP BUILDINGS	JOBNO	DATE	DRAWN/CHECK	PAGE
D				VP Buildings 3200 Players Club Circle Memphis TN 38125	Lemartec Corporation	Duke Energy	Dunn, North Carolina	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	VARCO PRUDEN A BlueScope Steel Company	24-008562	06/13/2024	MRS FCJ	11



Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX003	1	8.0000	.3750	.2500	1'-2"	1'-11 3/4"	19'-2 7/8"	859#
	2	8.0000	.3750	.6250	1'-11 3/4"	2'-0"		
RBX006	3	6.0000	.6250	.3125	1'-0"	1'-0"	22'-2 1/8"	583#
	4	6.0000	.3125	.1345	1'-0"	1'-2"		
RBX010	5	6.0000	.3125	.1345	1'-2"	1'-0"	22'-3 1/16"	499#
	6	6.0000	.5000	.1345	1'-0"	1'-0"		
CX005	7	6.0000	.5000	.5000	1'-11 5/8"	2'-0"	16'-4"	608#
	8	6.0000	.5000	.1345	1'-2"	1'-11 5/8"		

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	6	A325	1 1/4"	4"	3/4"	2	1	0097290	
B	6	A325	3/4"	2 1/2"	1/2"	1	2	0097284	
C	8	A325	3/4"	2 1/2"	3/4"	3	1	0097284	

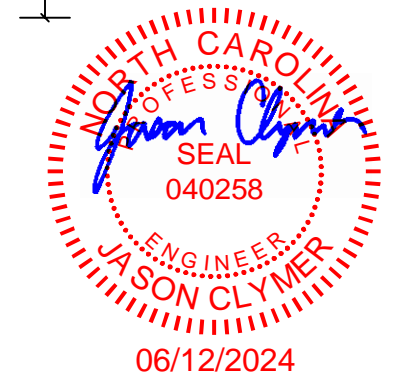
Frame Clearances
 Horiz. Clearance between members 1(CX003) and 7(CX005): 44'-4 1/4"
 Horiz. Clearance between members 1(CX003) and 8(CX005): 44'-4 5/8"
 Horiz. Clearance between members 2(CX003) and 7(CX005): 44'-4"
 Horiz. Clearance between members 2(CX003) and 8(CX005): 44'-4 3/8"
 Vert. Clearance at member 2(CX003): 18'-0 7/8"
 Vert. Clearance at member 7(CX005): 15'-3 9/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 5

- 3 2 @ 3'-3 9/16"
- 2 2 @ 4'-3"
- 1 10"

□ Dimension Key



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 CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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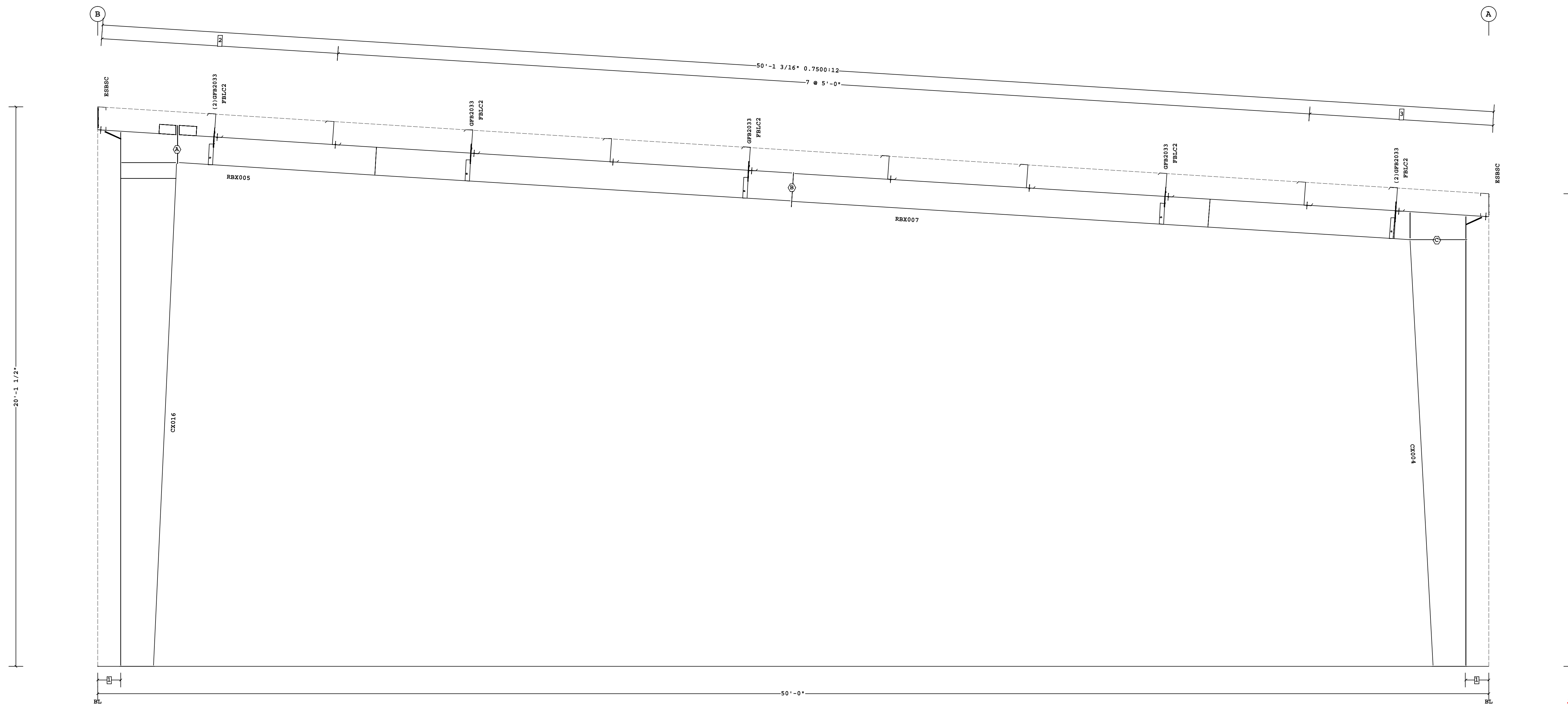
REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

BUILDER		CUSTOMER		LOCATION		PROJECT		BUILDERS PO#	
Lemartec Corporation		Duke Energy		Dunn, North Carolina		Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter		23068 - Vehicle_R1	
VP BUILDINGS		VARCO PRUDEN		A BlueScope Steel Company		VPC VERSION: 24.1.1		FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1	
JOBNO		DATE		DRAWN/CHECK		PAGE			
24-008562		06/13/2024		MRS FCJ		12			

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX016	1	8.0000	.3750	.1345	1'-2"	1'-11 3/4"	19'-2 7/8"	700#
	2	8.0000	.3750	.3750	1'-11 3/4"	2'-0"		
RBX005	3	6.0000	.6250	.3125	1'-0"	1'-0"	22'-2 1/8"	574#
	4	6.0000	.3125	.1345	1'-0"	1'-0"		
RBX007	5	6.0000	.3125	.1644	1'-0"	1'-0"	25'-0 5/16"	567#
	6	6.0000	.5000	.1345	1'-0"	1'-0"		
	7	6.0000	.5000	.2500	1'-0"	1'-0"		
CX004	8	6.0000	.5000	.1345	1'-2"	2'-0"	15'-4 1/16"	472#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	6	A325	1 1/4"	4"	3/4"	2	1	0097290	
B	6	A325	3/4"	2 1/2"	1/2"	1	2	0097284	
C	8	A325	3/4"	2 1/2"	1/2"	3	1	0097284	

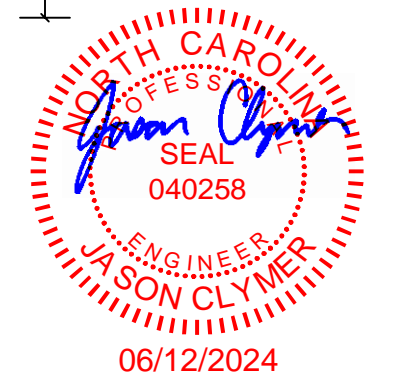
Frame Clearances
 Horiz. Clearance between members 1(CX016) and 8(CX004): 44'-4 1/4"
 Horiz. Clearance between members 2(CX016) and 8(CX004): 44'-4"
 Vert. Clearance at member 2(CX016): 18'-0 7/8"
 Vert. Clearance at member 8(CX004): 15'-4 1/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 6

- 3 2 @ 3'-3 9/16"
- 2 2 @ 4'-3"
- 1 10"

Dimension Key



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 CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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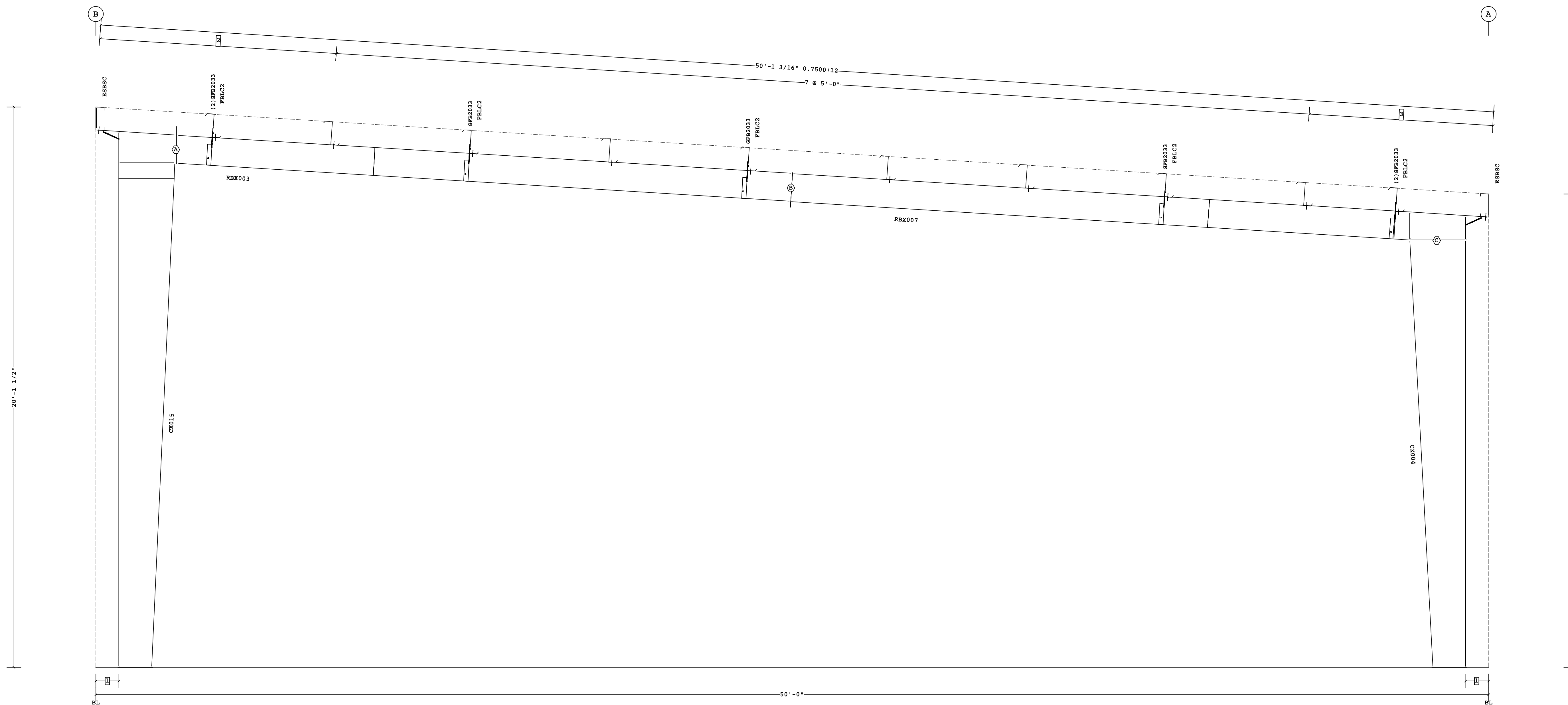
REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

BUILDER		Lemartec Corporation	
CUSTOMER		Duke Energy	
LOCATION		Dunn, North Carolina	
PROJECT		Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	
BUILDERS PO#		23068 - Vehicle_R1	
VP VERSION:		24.1.1	
JOBNO		24-008562	
DATE		06/13/2024	
DRAWN/CHECK		MRS FCJ	
PAGE		13	

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX015	1	8.0000	.3750	.1345	1'-2"	1'-11 3/4"	19'-2 7/8"	706#
	2	8.0000	.3750	.3750	1'-11 3/4"	2'-0"		
RBX003	3	6.0000	.6250	.3125	1'-0"	1'-0"	22'-1 7/8"	579#
	4	6.0000	.3125	.1345	1'-0"	1'-0"		
RBX007	5	6.0000	.3125	.1644	1'-0"	1'-0"	25'-0 5/16"	567#
	6	6.0000	.5000	.1345	1'-0"	1'-0"		
	7	6.0000	.5000	.2500	1'-0"	1'-0"		
CX004	8	6.0000	.5000	.1345	1'-2"	2'-0"	15'-4 1/16"	472#

Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo		
A	6	A325	1 1/8"	4"	1"	2	1	0097289		
B	6	A325	3/4"	2 1/2"	1/2"	1	2	0097284		
C	8	A325	3/4"	2 1/2"	1/2"	3	1	0097284		

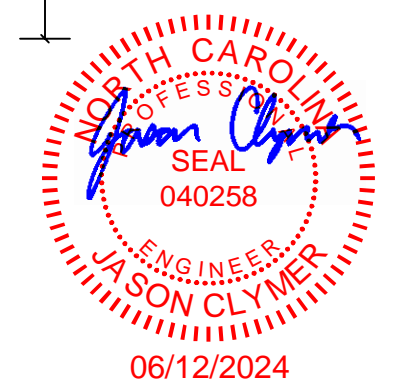
Frame Clearances
 Horiz. Clearance between members 1(CX015) and 8(CX004): 44'-4 1/4"
 Horiz. Clearance between members 2(CX015) and 8(CX004): 44'-4"
 Vert. Clearance at member 2(CX015): 18'-0 7/8"
 Vert. Clearance at member 8(CX004): 15'-4 1/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 7

- 3 2 @ 3'-3 9/16"
- 2 2 @ 4'-3"
- 1 10"

Dimension Key



FOR CONSTRUCTION

1. USE 1/2 X 1 1/2 A325 BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

BUILDER		CUSTOMER		LOCATION		PROJECT		BUILDERS PO#		FILENAME	
Lemartec Corporation		Duke Energy		Dunn, North Carolina		Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter		23068 - Vehicle_R1		Duke Energy - Vehicle and Trailer Shelter	

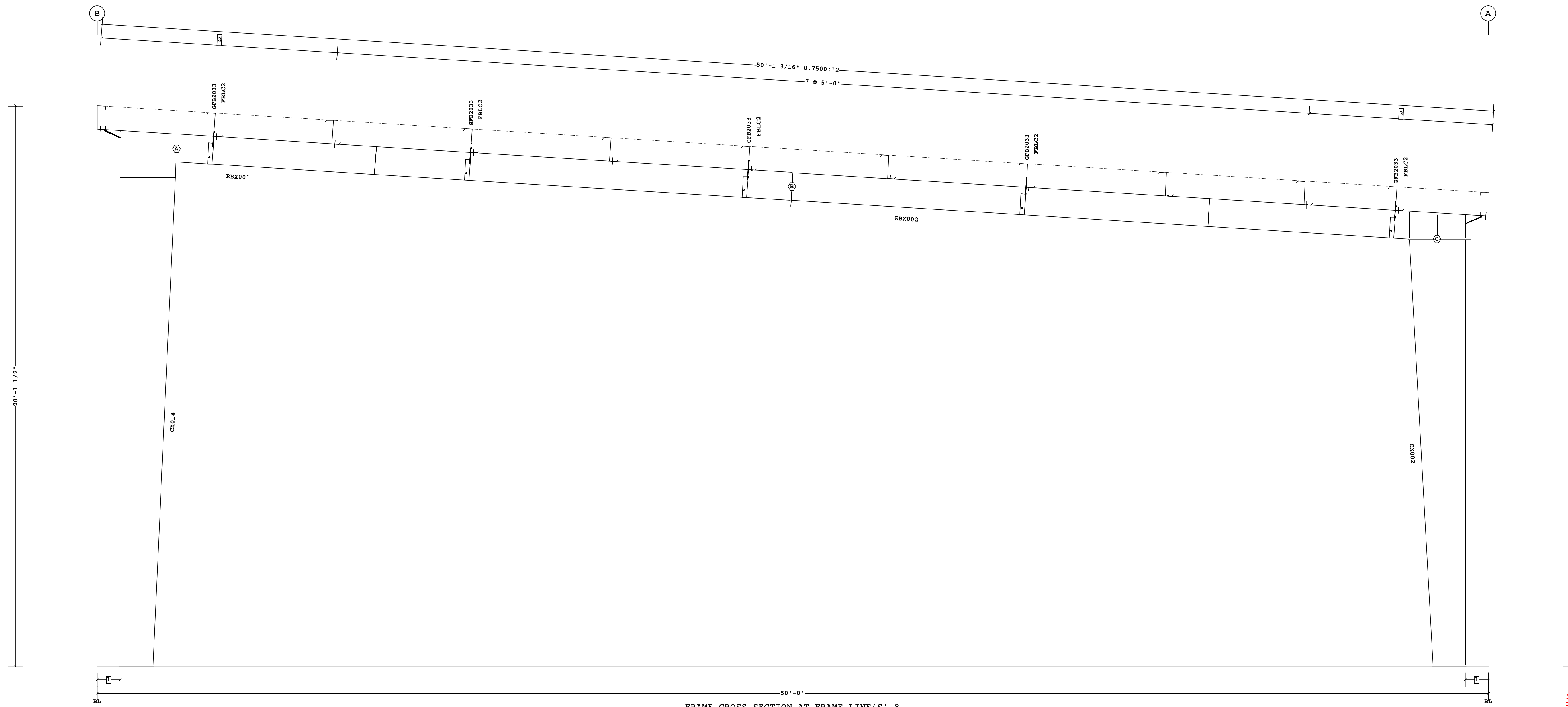


JOBNO	24-008562
DATE	06/13/2024
DRAWN/CHECK	MRS FCJ
PAGE	14

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX014	1	8.0000	.2500	.1345	1'-2"	1'-11 3/4"	19'-2 7/8"	506#
	2	8.0000	.2500	.1875	1'-11 3/4"	2'-0"		
RBX001	3	6.0000	.3750	.1345	1'-0"	1'-0"	22'-2 1/8"	402#
	4	6.0000	.2500	.1345	1'-0"	1'-0"		
RBX002	5	5.0000	.1875	.1875	1'-0"	1'-0"	25'-0 3/8"	401#
	6	5.0000	.3750	.1345	1'-0"	1'-0"		
CX002	7	6.0000	.2500	.1345	1'-2"	2'-0"	15'-4 1/16"	316#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	8	A325	3/4"	2 1/2"	5/8"	2	2	0097284	
B	10	A325	3/4"	2 1/2"	3/8"	2	3	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	2	1	0097284	

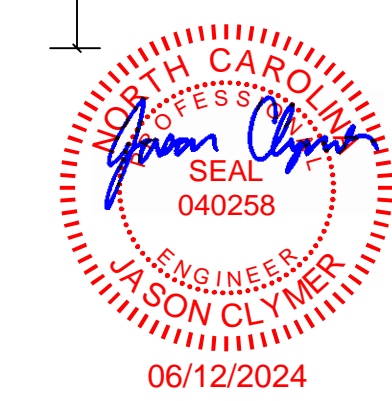
Frame Clearances
 Horiz. Clearance between members 1(CX014) and 7(CX002): 44'-4 1/4"
 Horiz. Clearance between members 2(CX014) and 7(CX002): 44'-4"
 Vert. Clearance at member 2(CX014): 18'-0 7/8"
 Vert. Clearance at member 7(CX002): 15'-4 1/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 8

- 3 2 @ 3'-3 9/16"
- 2 2 @ 4'-3"
- 1 10"

Dimension Key



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REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

FRAME CROSS SECTION AT FRAME LINE(S) 8		JOBNO 24-008562	
BUILDER Lemartec Corporation	CUSTOMER Duke Energy	DATE 06/13/2024	DRAWN/CHECK MRS FCJ
LOCATION Dunn, North Carolina	PROJECT Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	PAGE 15	
BUILDERS PO# 23068 - Vehicle_R1	VPC VERSION: 24.1.1	FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1	

Frame Member Schedule						
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2
CX012	1	6.0000	.2500	.1345	1'-0"	1'-0"
RBX009	2-3	5.0000	.3125	.1345	9"	9"
CX013	4	6.0000	.2500	.1345	1'-0"	1'-0"

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	4	A325	3/4"	2 1/2"	1/2"	1	1	0097284	
B	2	A325	3/4"	2 1/2"	3/8"			0097284	
C	2	A325	3/4"	2 1/2"	3/8"			0097284	

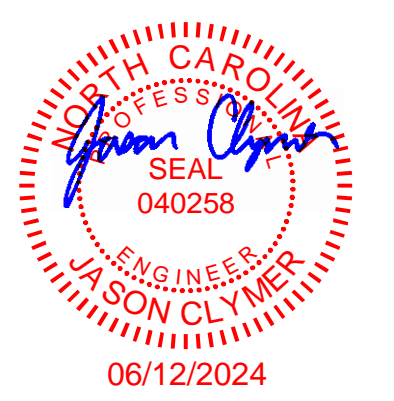
Frame Clearances
 Horiz. Clearance between members 1(CX012) and 4(CX013): 27'-11"
 Vert. Clearance at member 1(CX012): 17'-11"
 Vert. Clearance at member 4(CX013): 17'-11"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



PORTAL FRAME ELEVATION ALONG B

- 2 1'-4"
- 1 1/2"

Dimension Key



Shape Name = Vehicle Shelter Wall 4, Frame 4

FOR CONSTRUCTION

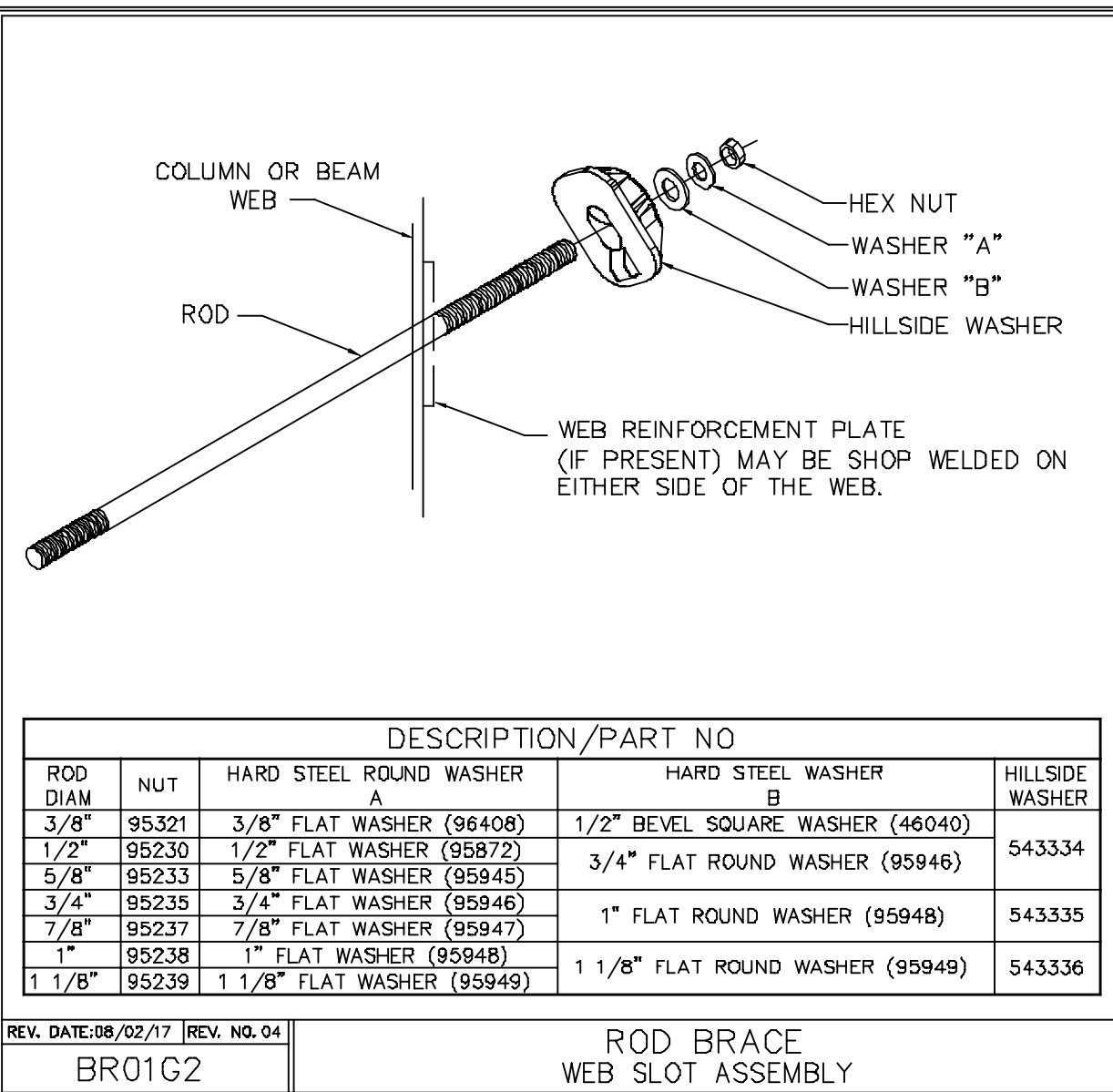
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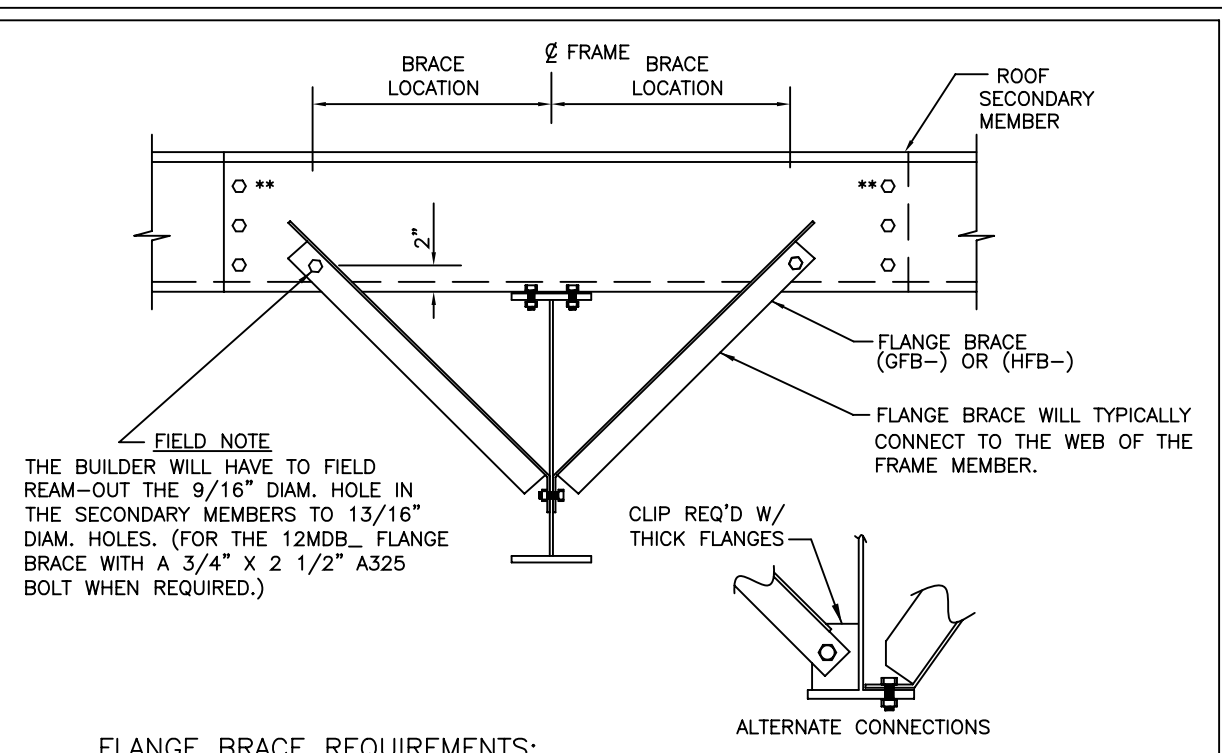
REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

PORTAL FRAME ELEVATION ALONG B	
BUILDER	Lemartec Corporation
CUSTOMER	Duke Energy
LOCATION	Dunn, North Carolina
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter
BUILDERS PO#	23068 - Vehicle_R1
BUILDERS PO#	23068 - Vehicle_R1
VP VERSION:	24.1.1
JOBNO	24-008562
DATE	06/13/2024
DRAWN/CHECK	MRS FCJ
PAGE	16



DESCRIPTION/PART NO				
ROD DIAM	NUT	HARD STEEL ROUND WASHER A	HARD STEEL WASHER B	HILLSIDE WASHER
3/8"	95321	3/8" FLAT WASHER (96408)	1/2" BEVEL SQUARE WASHER (46040)	
1/2"	95230	1/2" FLAT WASHER (95872)	3/4" FLAT ROUND WASHER (95946)	543334
5/8"	95233	5/8" FLAT WASHER (95945)		
3/4"	95235	3/4" FLAT WASHER (95946)	1" FLAT ROUND WASHER (95948)	543335
7/8"	95237	7/8" FLAT WASHER (95947)		
1"	95238	1" FLAT WASHER (95948)		
1 1/8"	95239	1 1/8" FLAT WASHER (95949)		

REV. DATE: 08/02/17 REV. NO. 04	REV. DATE: 05/08/18 REV. NO. 02
BR01G2	BR06AE



FLANGE BRACE REQUIREMENTS:

RULE#1- ALL FLANGE BRACES ON CROSS SECTIONS MUST BE INSTALLED.

RULE#2- SINGLE FLANGE BRACES ARE REQUIRED WHEN PART MARK ON CROSS SECTION IS NOT ACCOMPANIED BY (2).

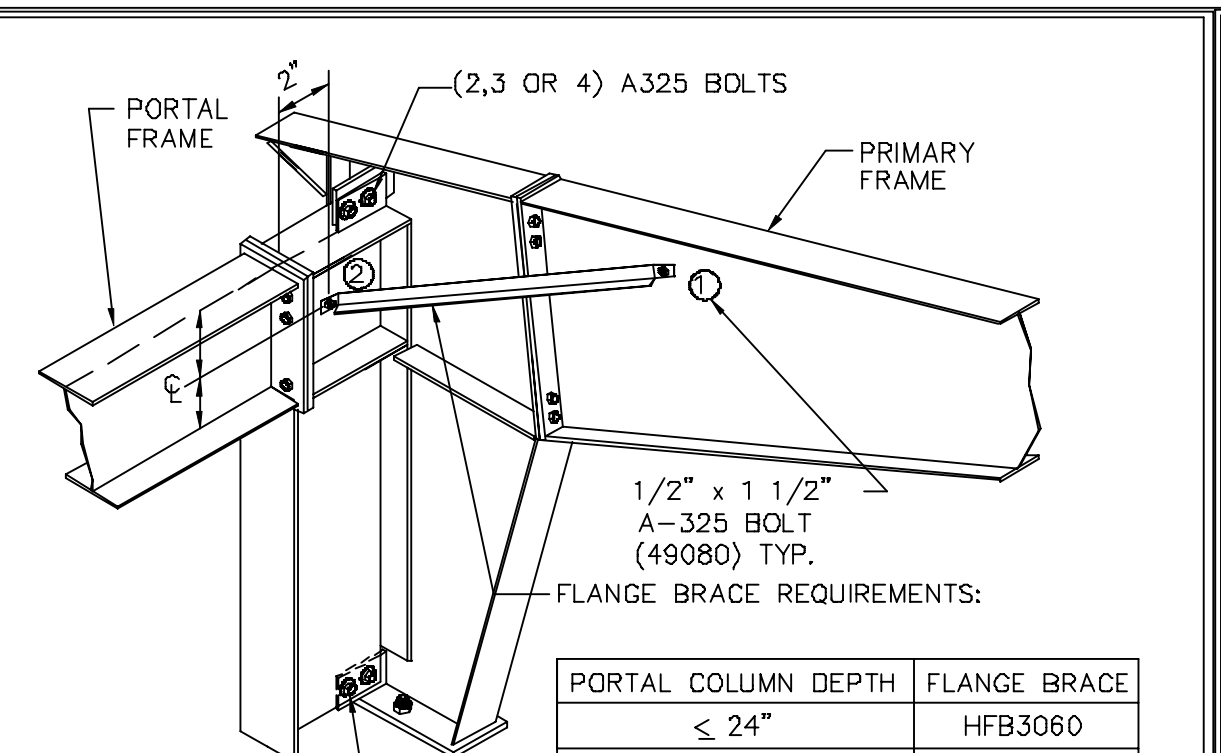
RULE#3- FLANGE BRACES ARE REQUIRED BOTH SIDES OF THE FRAME WEB WHEN PART MARK IS ACCOMPANIED BY (2).

RULE#4- WHENEVER POSSIBLE, PLACE SINGLE BRACES TOWARD THE CENTER OF THE BUILDING.

RULE#5- WHENEVER POSSIBLE, PLACE ALL SINGLE BRACES ON THE SAME SIDE OF THE FRAME WEB.

**** 10" & 11 1/2" PURLINS REQUIRE 3 BOLTS AT EACH END OF PURLIN LAP.**

REV. DATE: 05/08/18 REV. NO. 02	REV. DATE: 03/17/18 REV. NO. 03
BR06AE	BR12K1



FLANGE BRACE REQUIREMENTS:

PORTAL COLUMN DEPTH

PORTAL COLUMN DEPTH	FLANGE BRACE
≤ 24"	HFB3060
> 24" & ≤ 36"	HFB4106
> 36"	HFB6032

NOTES:

- FIELD DRILL 9/16" HOLES IN PRIMARY AND PORTAL FRAME WEBS FOR FLANGE BRACE CONNECTIONS.
- DRILL 9/16" HOLE IN PORTAL FRAME COLUMN WEB APPROX. 2" FROM BOLTING PLATE @ BEAM ϕ .

REV. DATE: 03/17/18 REV. NO. 03	REV. DATE: 08/29/12 REV. NO. 01
BR12K1	EN50B1

F = FEET G = GAGE
I = INCHES O = OPERATION
E = EIGHTHS C = FIN/COLOR

PANEL/COVERING
W13117261KT D
* F F I I E G G O C C C
LENGTH CODE

INSULATION
I B 1 3 0 1 0 3 6 0 3 0 W V
** F F F I I I I I E C C
LENGTH WIDTH THK CODE

SECONDARY (STANDARD)
O B Z 1 9 1 1 4 1 7 - - - -
* * * F F I I E G G * * * * *
DEPTH LENGTH GAGE ADJUST.CODES
SHAPE

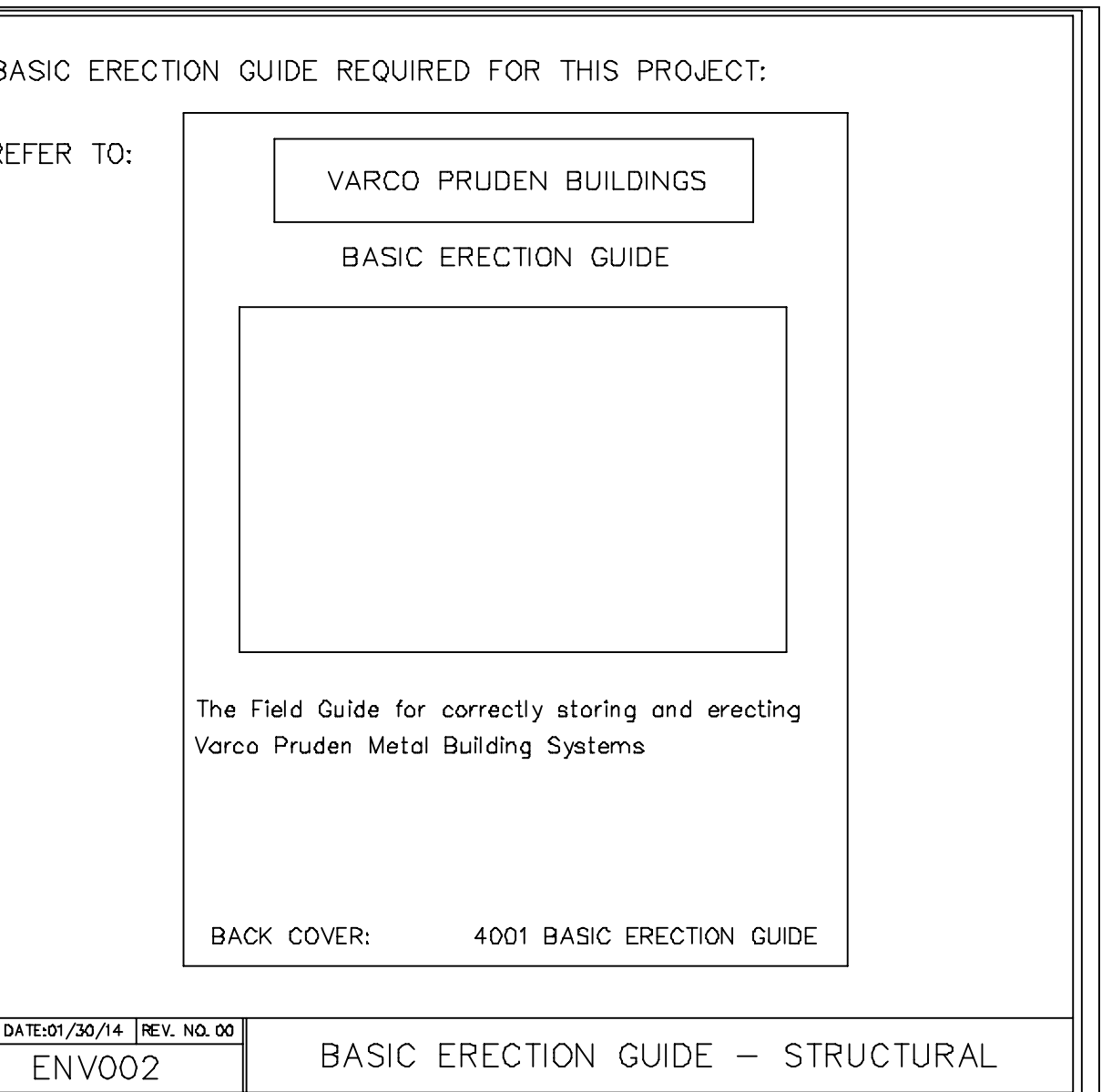
SECONDARY (SPECIAL)
O 0 1 0 8 Z 1 9 1 1 4 1 7 - - -
* * * * * F F I I E G G * * * * *
COUNTER DEPTH & LENGTH GAGE ADJUST.CODES
SHAPE

ROD BRACING
O 3 R S 2 5 1 0
I E * * F F I I
DIA LENGTH

MARK NUMBER KEY
COMMON GENERATED MARK NUMBERS

CX*** = COLUMN (PLATE)
CGX*** = COLUMN (GAGE)
WCX*** = COLUMN (HOTROLL)
RBX*** = RAFTER (PLATE)
BGX*** = RAFTER (GAGE)
WRX*** = RAFTER (HOTROLL)
TRX*** = TRUSS RAFTER
ICX*** = INTERIOR COLUMN
PCX*** = PIPE COLUMN
TCX*** = TUBE COLUMN
EPX*** = ENDPOST (PLATE)
EGX*** = ENDPOST (GAGE)
CBX*** = CANOPY (PLATE)
CBX*** = PIGGYBACK CANOPY
DCC*** = 8 1/2" GAGE POST
DCE*** = 10" GAGE POST

REV. DATE: 08/29/12 REV. NO. 01	REV. DATE: 01/30/14 REV. NO. 00
EN50B1	ENV002



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D	VP Buildings		3200 Players Club Circle Memphis TN 38125
	REV	DATE	BY DESCRIPTION

PRIMARY BRACING SED'S (a)

BUILDER	Lemartec Corporation
CUSTOMER	Duke Energy
LOCATION	Dunn, North Carolina
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter
BUILDERS PO#	23068 - Vehicle_R1
BUILDERS PO#	23068 - Vehicle_R1

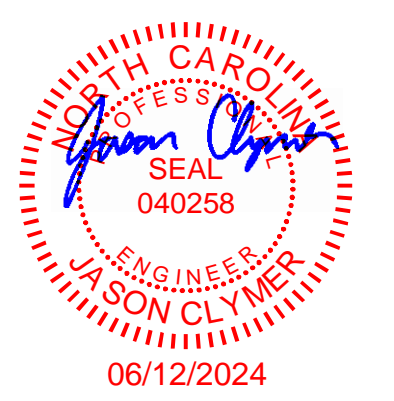
VPC VERSION: 24.1.1

VP BUILDINGS
VARCO PRUDEN
A BlueScope Steel Company

FOR CONSTRUCTION

JOBNO: 24-008562
DATE: 06/13/2024
DRAWN/CHECK: MRS FCJ
PAGE: 17

FILENAME: Duke Energy - Vehicle and Trailer Shelter

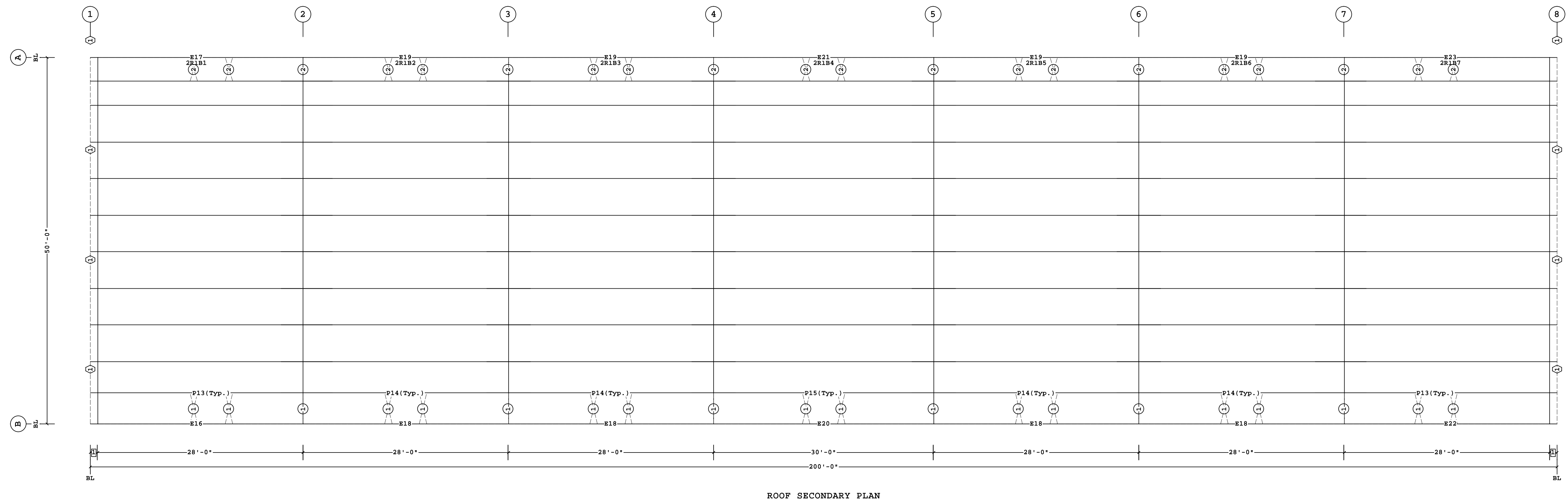


Mark	Part	Thick.	Depth	Lap	Detail
E16	00110HS2811414B01	0.0790	10"		BR09W2, BR09Y2
E17	00110ES2811414B01	0.0790	10"		RS12PH, RS12PA
E18	10H2711414DDB01	0.0790	10"		BR09W2, BR09Y2
E19	10E2711414DDB01	0.0790	10"		RS12PA
E20	10H2911414DDB01	0.0790	10"		BR09W2, BR09Y2
E21	10E2911414DDB01	0.0790	10"		RS12PA
E22	00210HS2811414B01	0.0790	10"		BR09W2, BR09Y2
E23	00210ES2811414B01	0.0790	10"		RS12PH, RS12PA
P13	10Z3211413A5B0	0.0880	10"	3'-10 1/2"	RS02T1, RS01U1
P14	10Z331141444B0	0.0790	10"	2'-10 1/2"	RS01U1
P15	10Z351141544B0	0.0730	10"	2'-10 1/2"	RS01U1

Secondary Bracing Schedule			
Id	Qty	Mark No	Spacing
1	34	PBA0406 (Typ.)	4'-3"
2	34	PBA0307	3'-3 9/16"

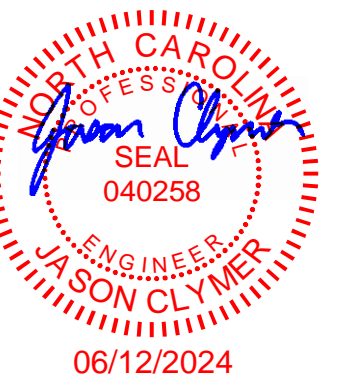
See SED:
BR09K5, BR09JG, BR09RY, BR09RZ, BR09K2

Part Mark Key
1 RCH E15



ROOF SECONDARY PLAN

1 1'-0"
Dimension Key



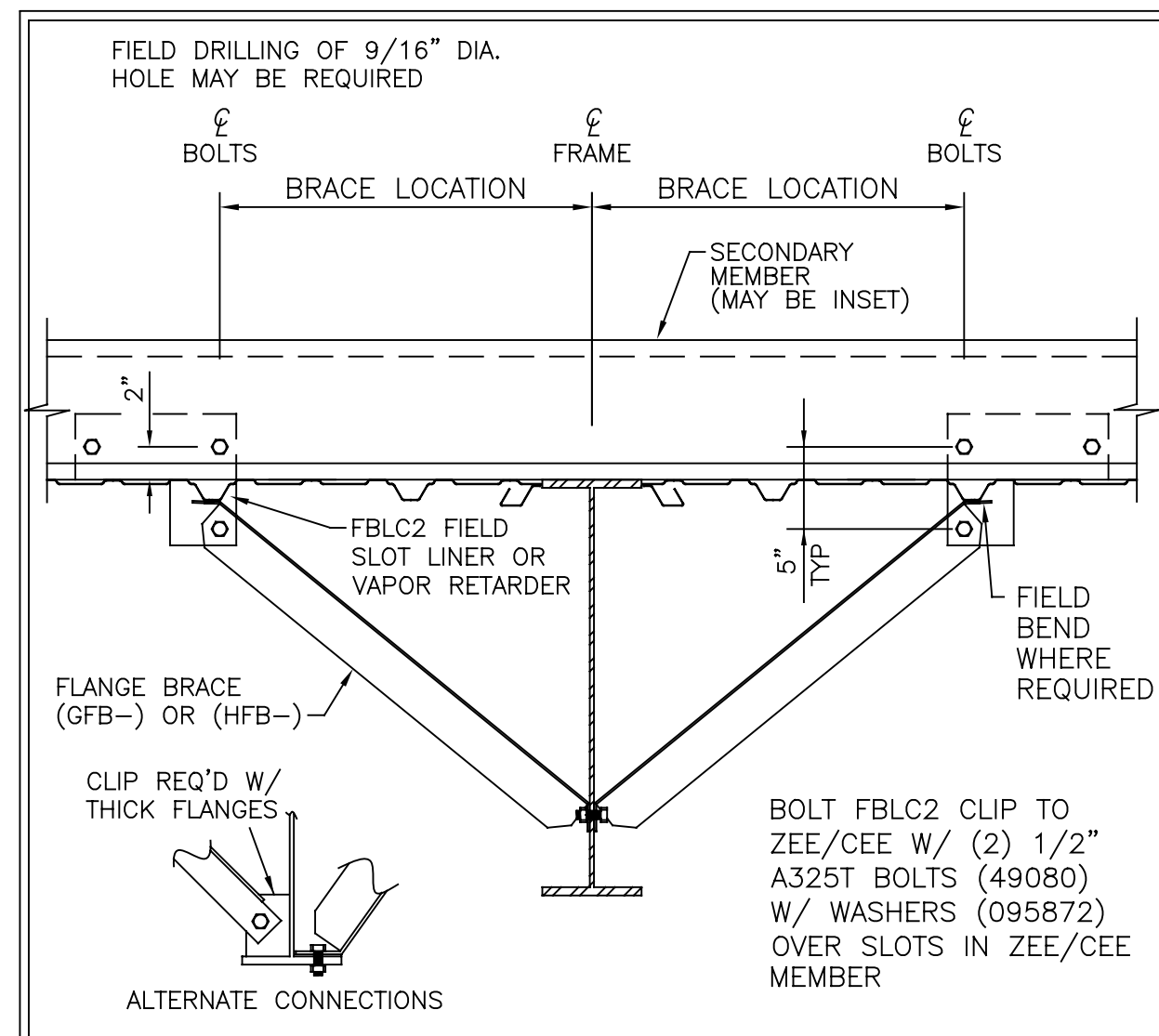
FOR CONSTRUCTION

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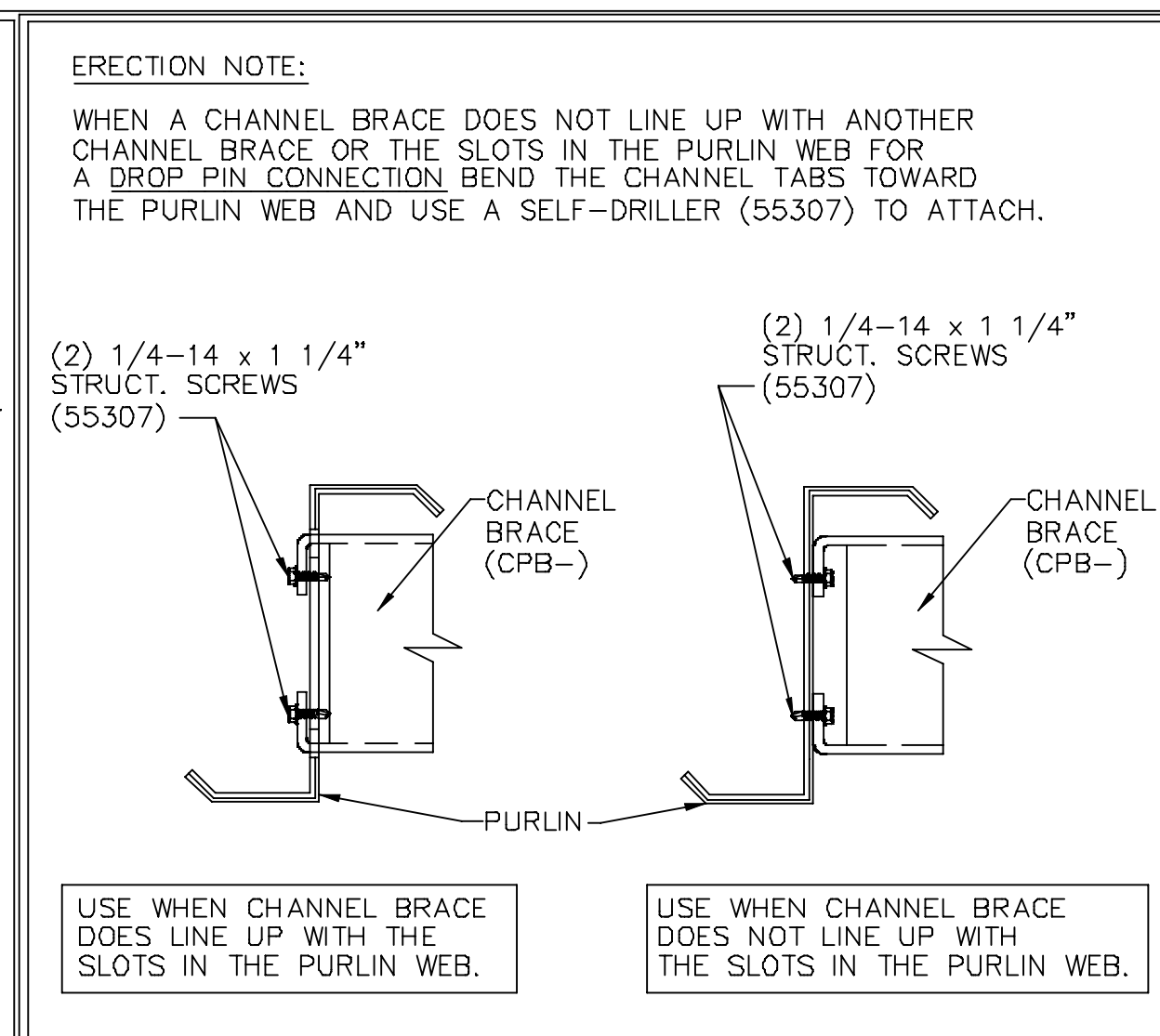
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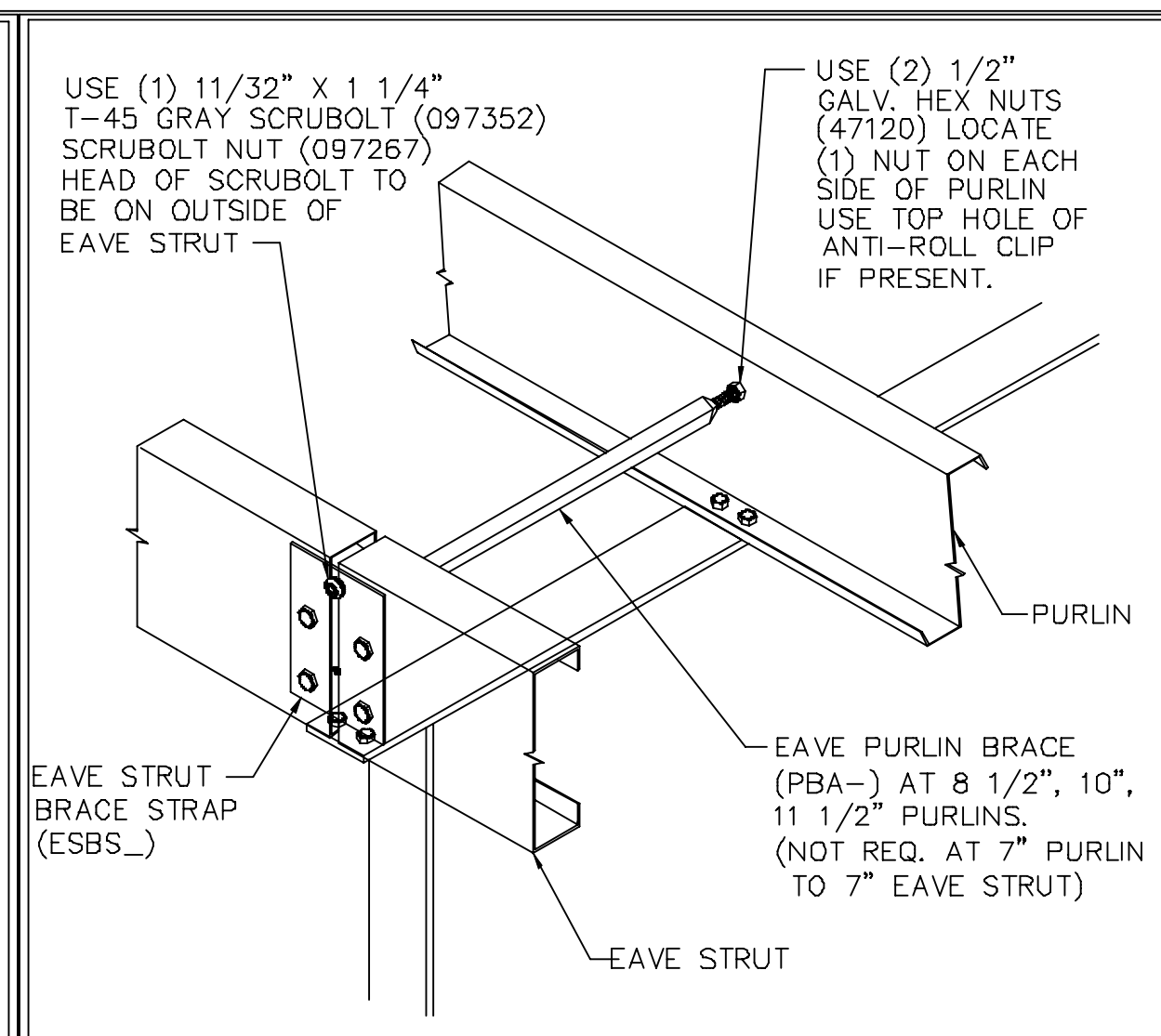
REV	DATE	BY	DESCRIPTION	BUILDER	CUSTOMER	LOCATION	PROJECT	BUILDERS PO#	VP VERSION	JOBNO	DATE	DRAWN/CHECK	PAGE
D			VP Buildings 3200 Players Club Circle Memphis TN 38125	Lemartec Corporation	Duke Energy	Dunn, North Carolina	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	23068 - Vehicle_R1	24.1.1	24-008562	06/13/2024	MRS FCJ	18



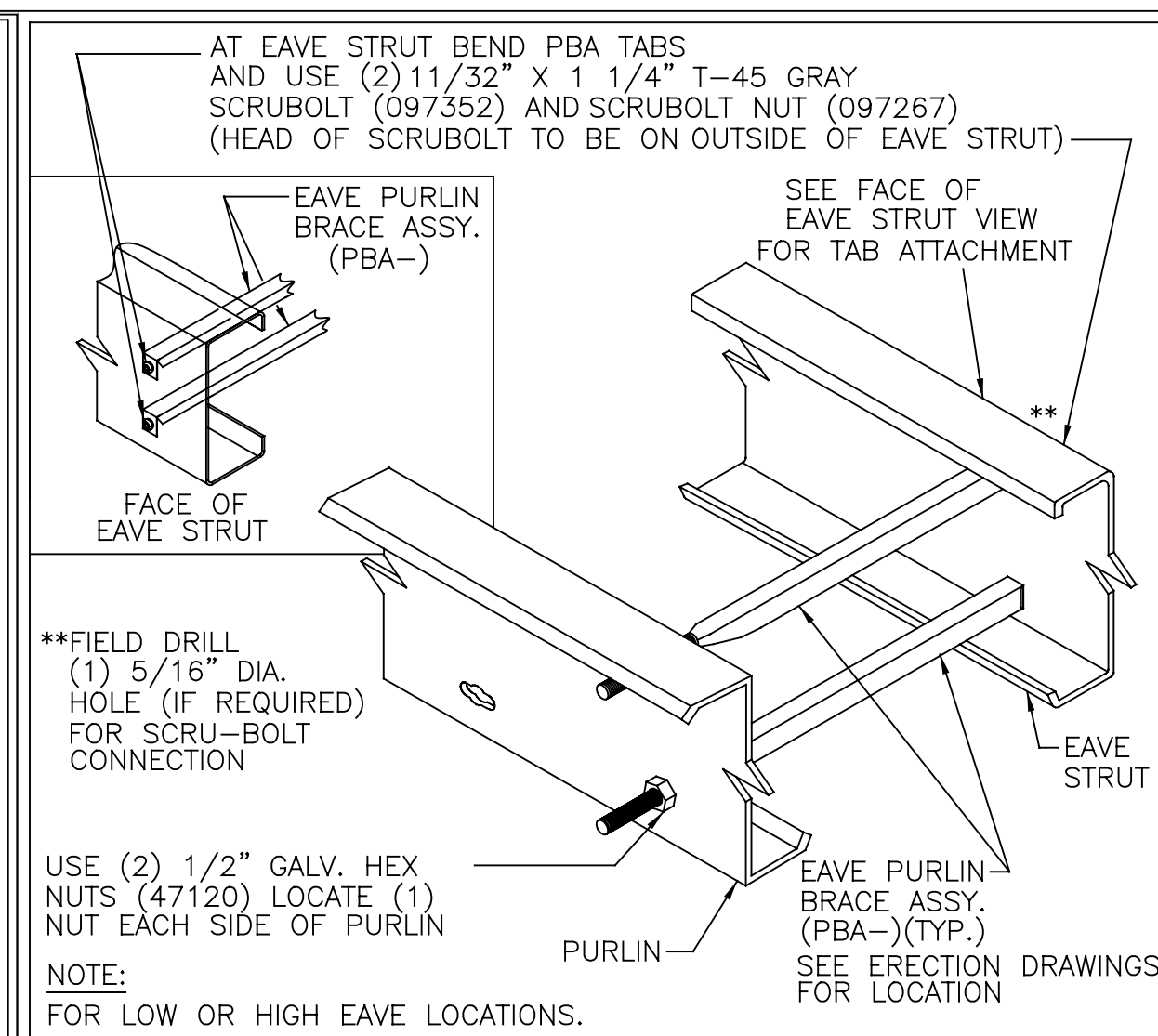
REV. DATE: 06/09/22 | REV. NO. 04 | **ROOF/WALL FLANGE BRACING**
BR06J3 | PURLIN/GIRT WITH LINER OR INSUL. VAPOR RETARDER



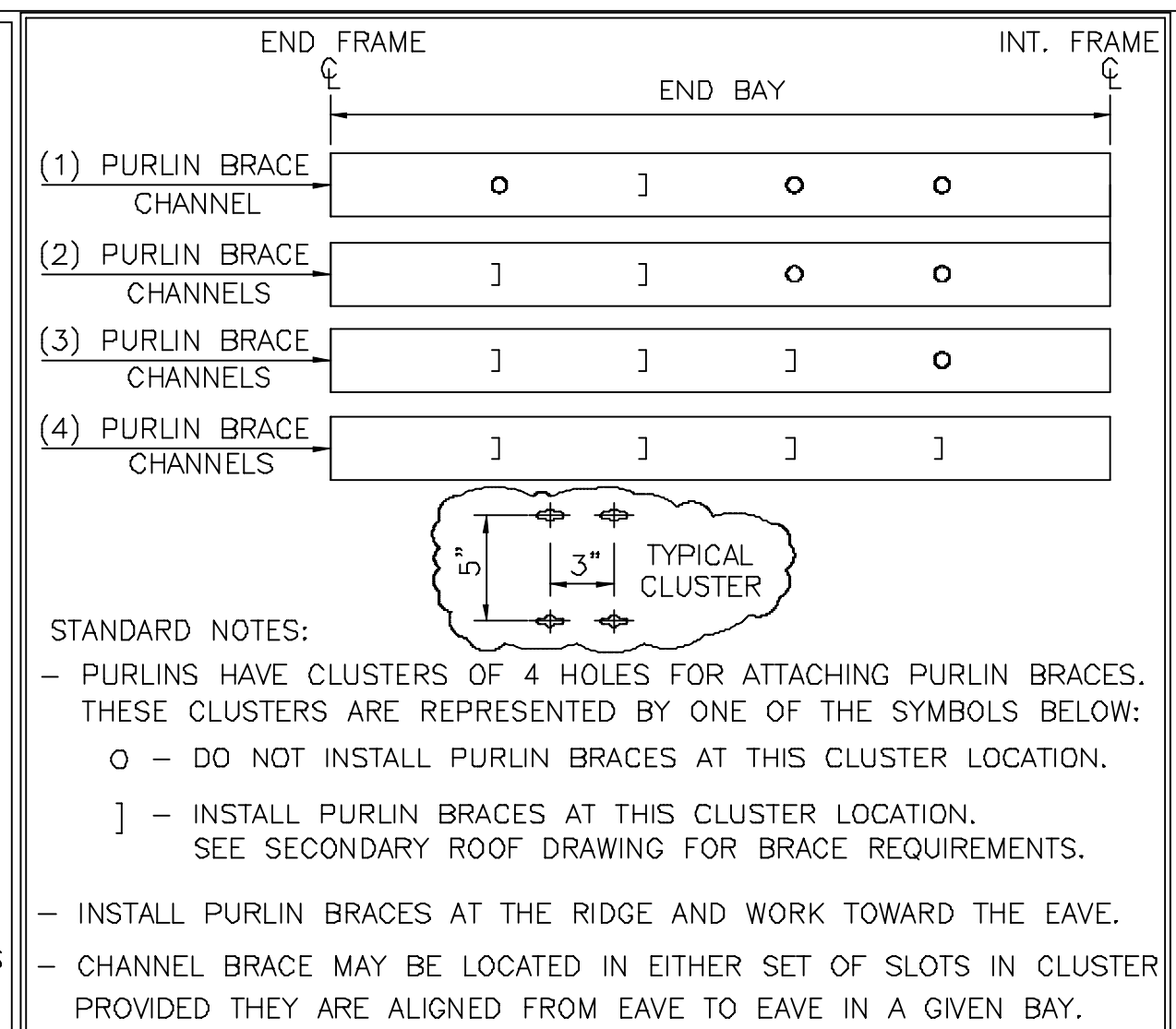
REV. DATE: 04/01/21 | REV. NO. 01 | **CHANNEL BRACE ENDING AT PURLIN WEB**
BR09JG | SELF-DRILLER WITH BENT TABS



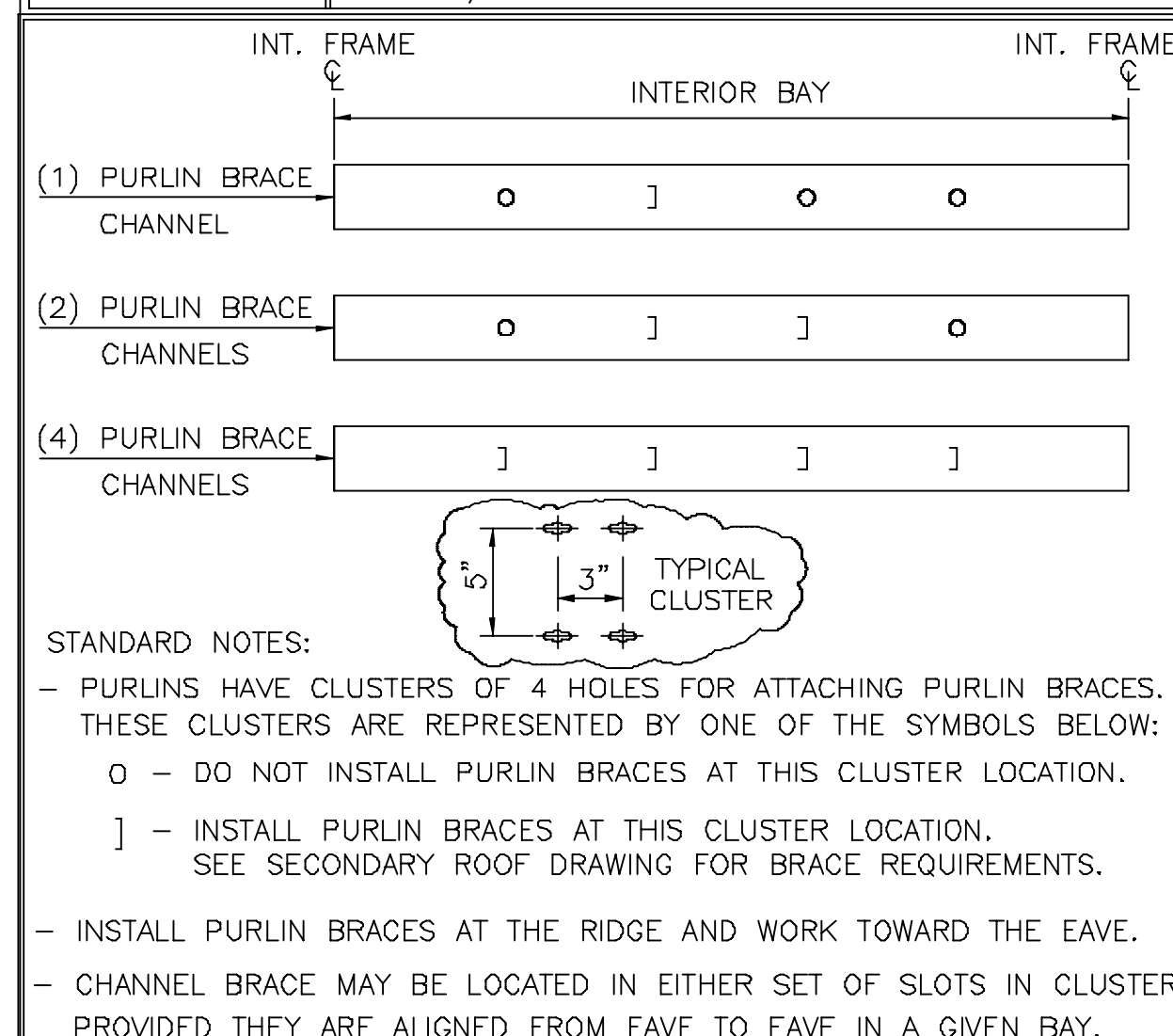
REV. DATE: 07/20/16 | REV. NO. 05 | **EAVE BRACE STRAP AND EAVE PURLIN BRACE**
BR09K2 | LOCATED AT EAVE - CENTERLINE OF FRAME



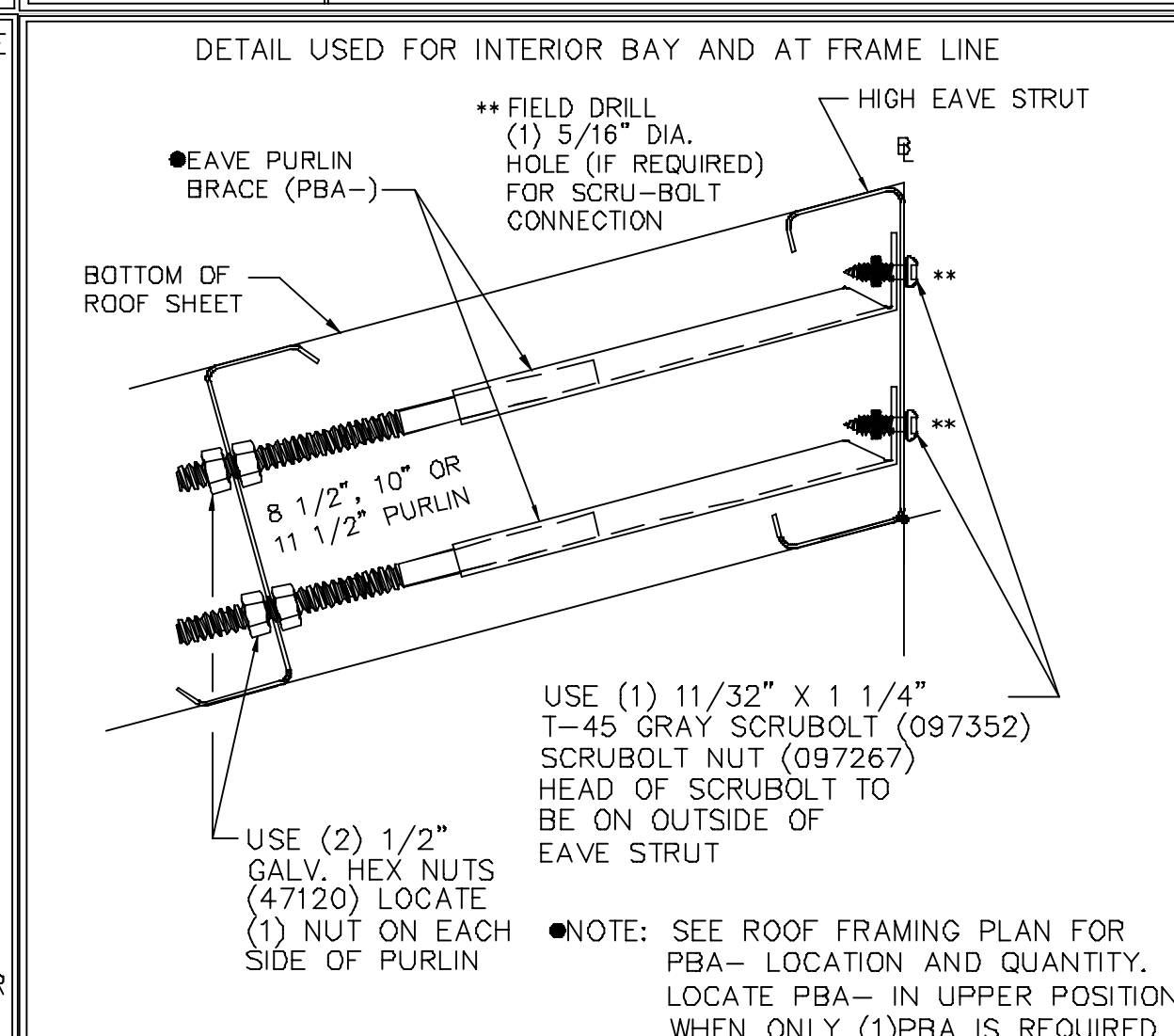
REV. DATE: 02/22/22 | REV. NO. 03 | **EAVE STRUT BRACE**
BR09K5



REV. DATE: 07/01/09 | REV. NO. 00 | **PURLIN BRACE CLUSTER LOCATION**
BR09RY | END BAY CHANNEL LOCATION



REV. DATE: 07/01/09 | REV. NO. 00 | **PURLIN BRACE CLUSTER LOCATION**
BR09RZ | INTERIOR BAY CHANNEL LOCATION



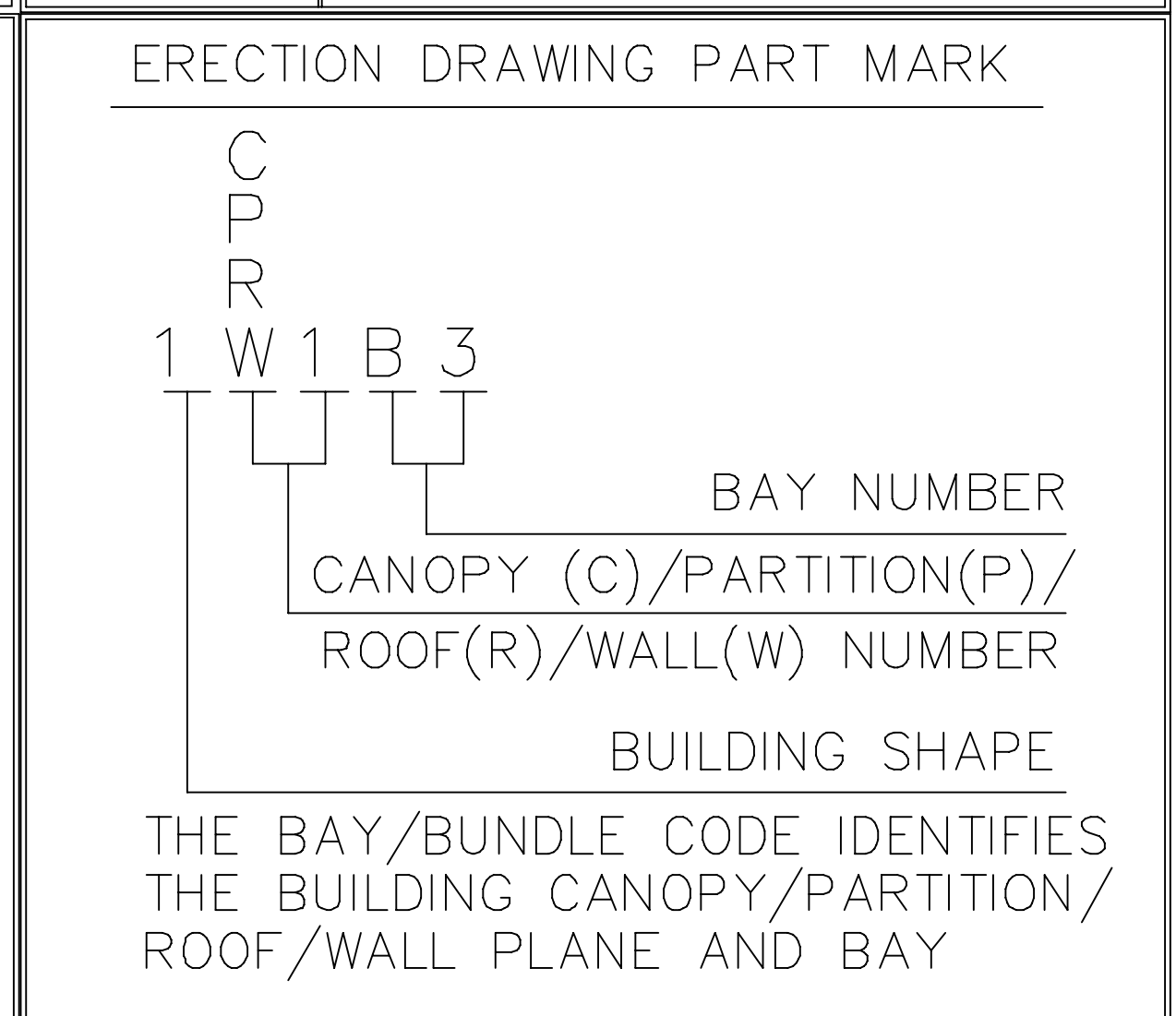
REV. DATE: 11/26/12 | REV. NO. 01 | **HIGH EAVE PURLIN BRACE**
BR09W2 | ALL WALL PANEL TYPE

DEPTH	SHAPE	GAGE
07 = 7"	Z = ZEE	11 = 0.113
08 = 8 1/2"	C = CEE	12 = 0.098
10 = 10"	E = LOW EAVE STRUT	13 = 0.088
11 = 11 1/2"	H = HIGH EAVE STRUT	14 = 0.079
		15 = 0.073
		16 = 0.068
		17 = 0.060

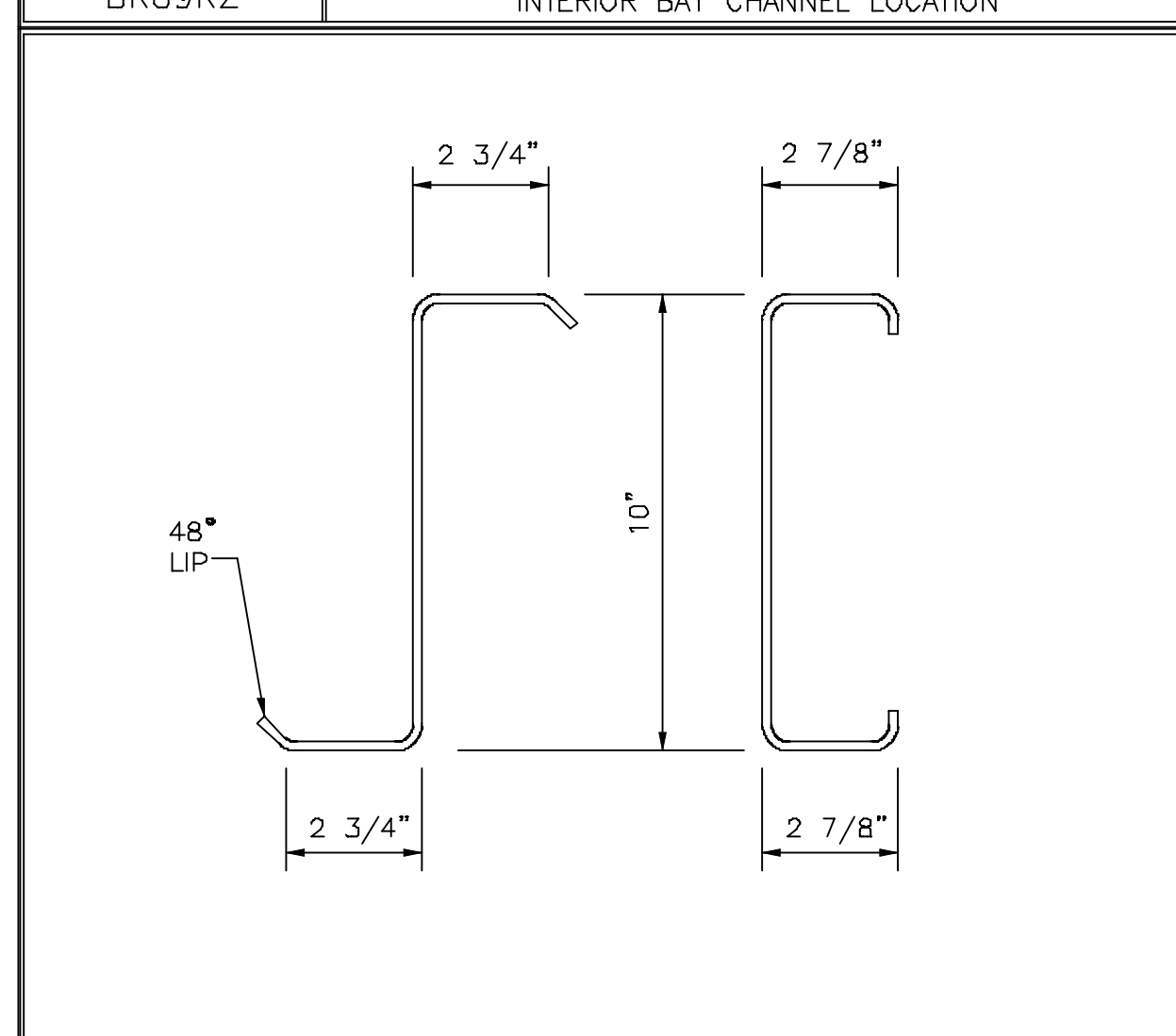
REV. DATE: 07/01/09 | REV. NO. 00 | **SECONDARY PART MARK NUMBER**
EN51B1 | COMMON GENERATED MARK NUMBERS

DEPTH	SHAPE	GAGE
07 = 7"	ZS = ZEE	11 = 0.113
08 = 8 1/2"	CS = CEE	12 = 0.098
10 = 10"	ES = LOW EAVE STRUT	13 = 0.088
	HS = HIGH EAVE STRUT	14 = 0.079
	BB = BACK TO BACK CEE	15 = 0.073
	FB = FACE TO BACK CEE	16 = 0.068
	FF = FACE TO FACE CEE	17 = 0.060

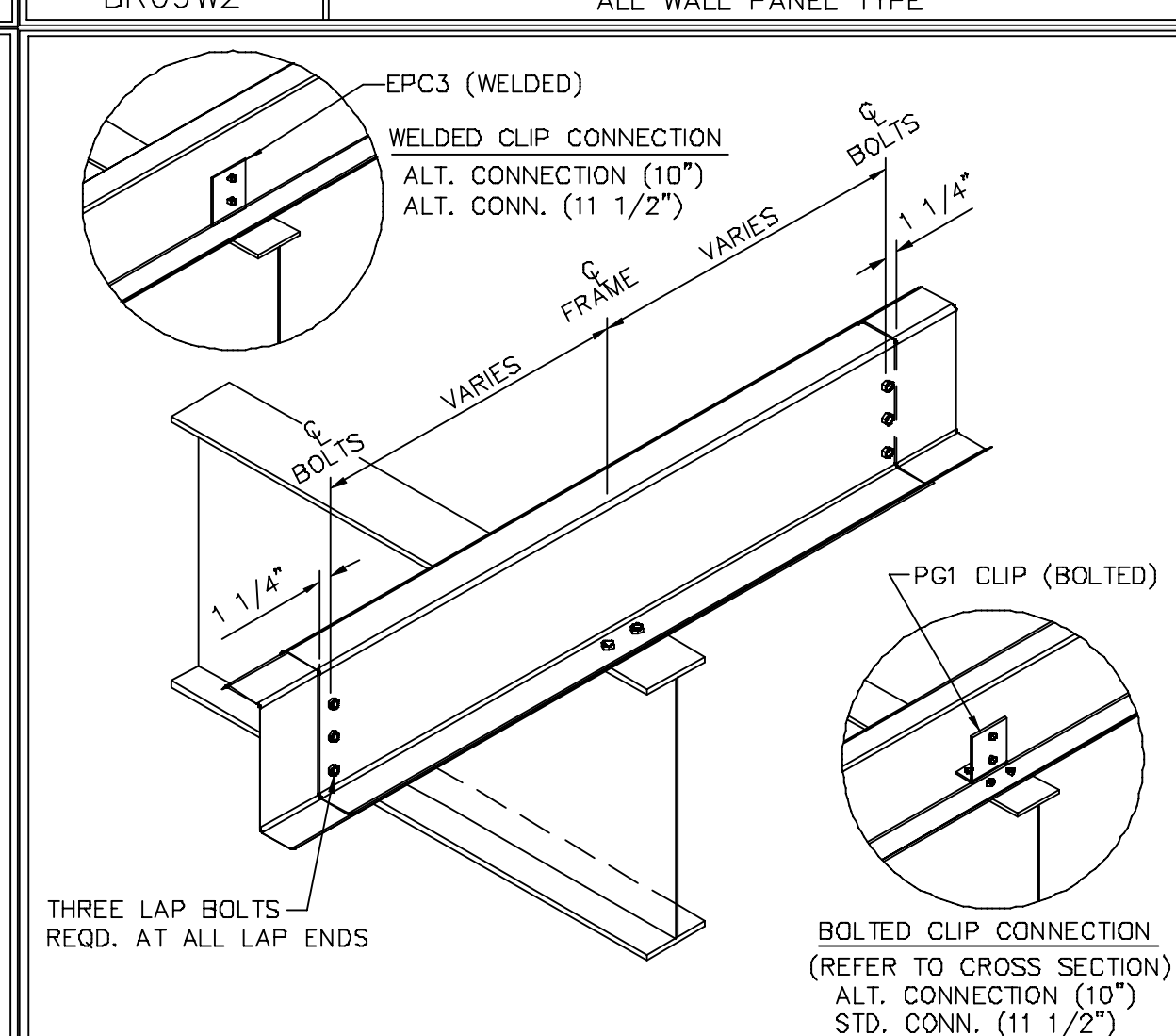
REV. DATE: 07/01/09 | REV. NO. 00 | **SPECIAL SECONDARY PART MARK KEY**
EN51B2 | COMMON GENERATED MARK NUMBERS



REV. DATE: 01/31/13 | REV. NO. 01 | **SECONDARY BUNDLE LOCATION KEY**
EN51B3 | ALL SECONDARY DEPTHS



REV. DATE: 07/01/08 | REV. NO. 00 | **PURLIN AND GIRTS SIZES**
EN53G1 | 10" 254mm



REV. DATE: 06/17/14 | REV. NO. 02 | **PURLINS AT INTERIOR FRAME**
RS01U1 | CONTINUOUS PURLINS

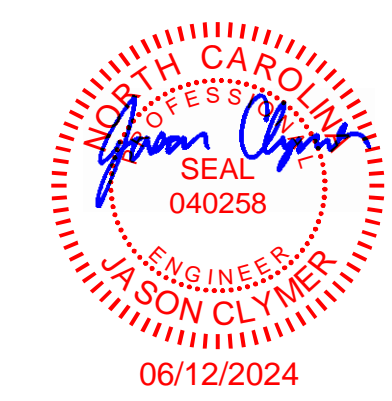
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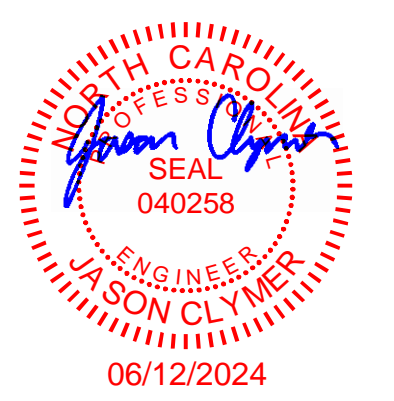
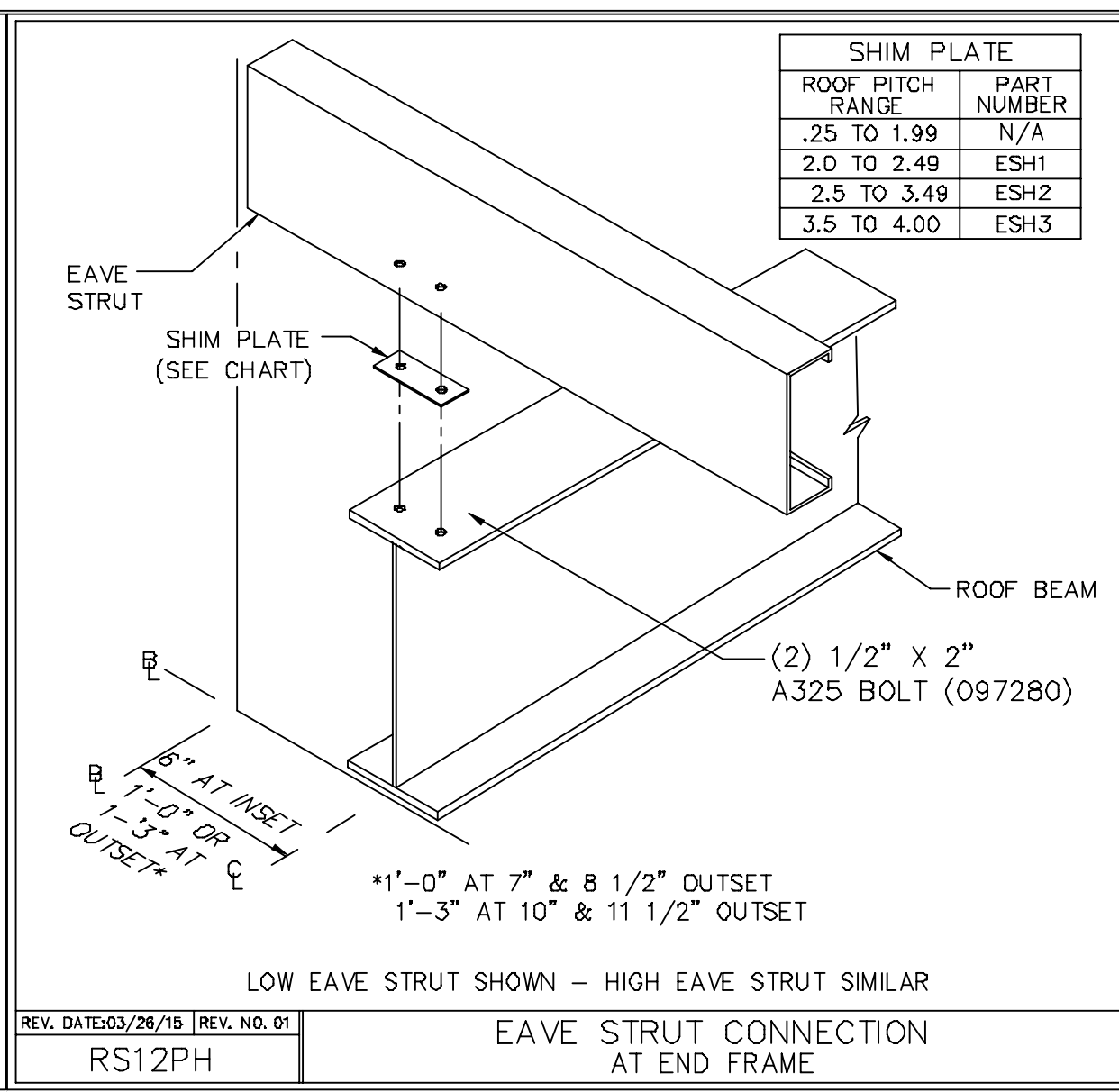
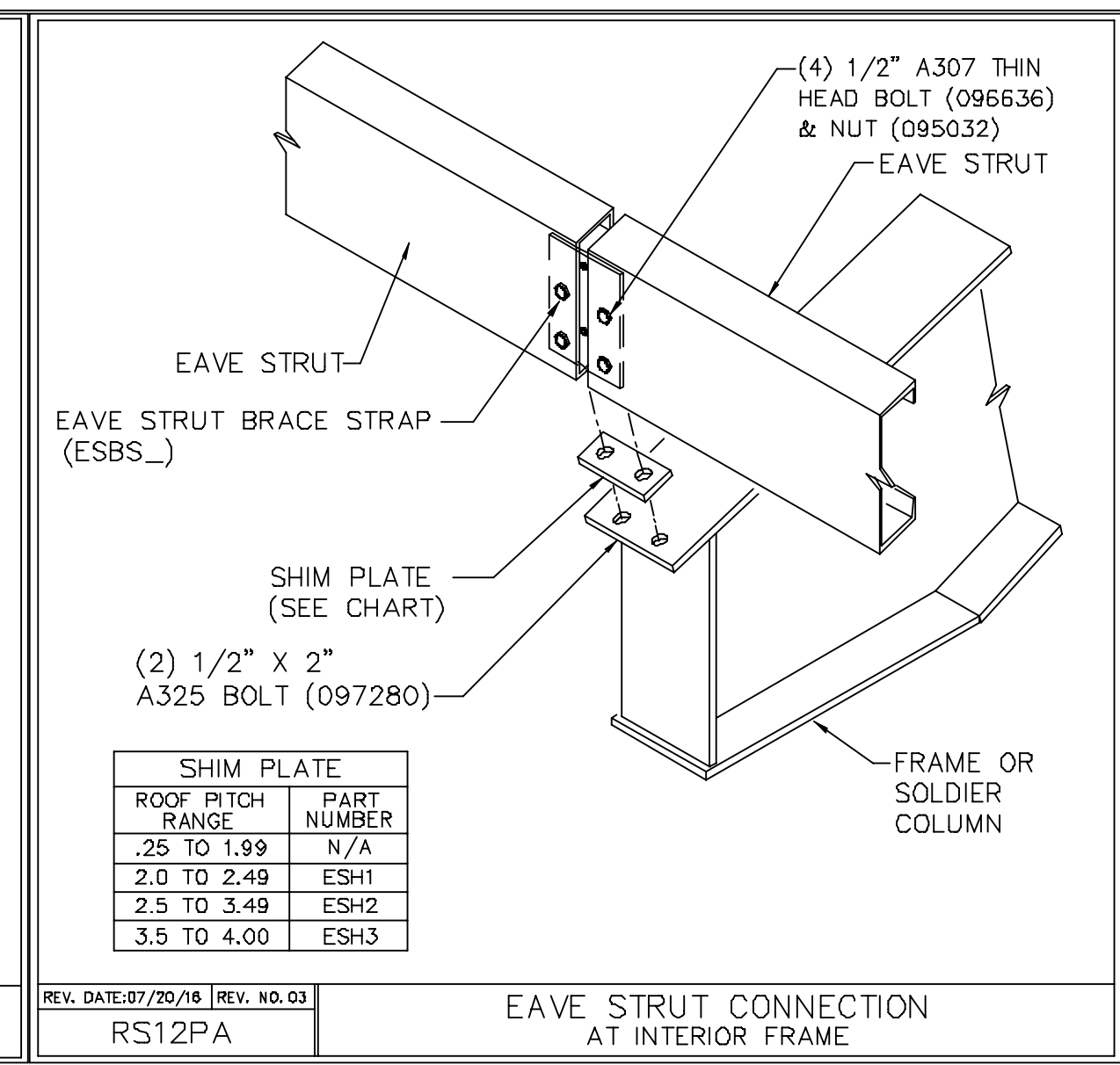
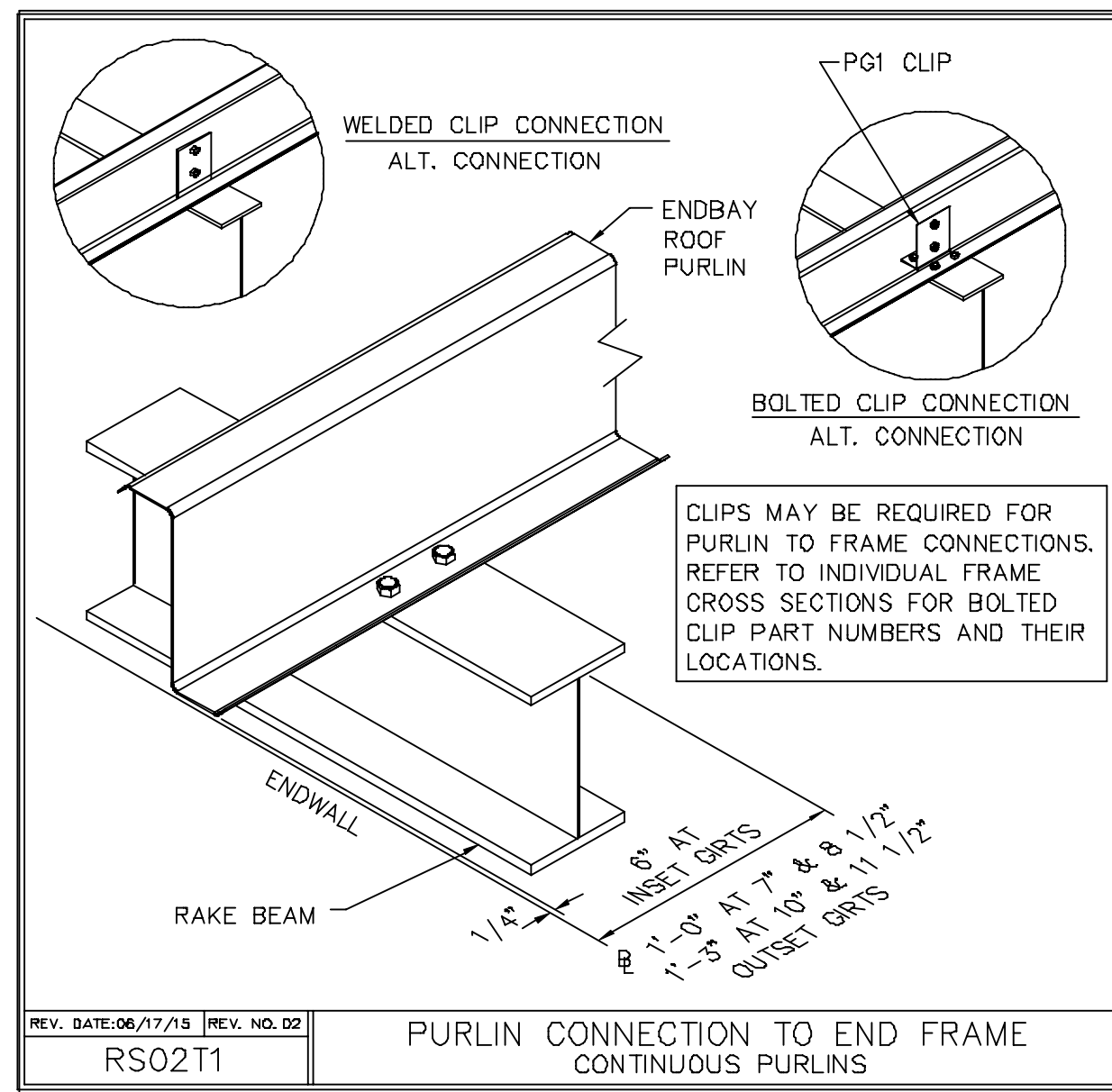
D	VP Buildings			ROOF SECONDARY SED'S (a)	
	3200 Players Club Circle Memphis TN 38125			BUILDER	Lemartec Corporation
REV	DATE	BY	DESCRIPTION	CUSTOMER	Duke Energy
				LOCATION	Dunn, North Carolina
				PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter
				BUILDERS PO#	23068 - Vehicle_R1
				VP VERSION:	24.1.1
NTS			JOBNO 24-008562		
5/24/2024 SEDSheet			DATE 06/13/2024		
13:21:45			DRAWN/CHECKED MRS FCJ		
			PAGE 19		
			FILENAME: Duke Energy - Vehicle and Trailer Shelter		



FOR CONSTRUCTION



VP BUILDINGS
VARCO PRUDEN
A BlueScope Steel Company



FOR CONSTRUCTION

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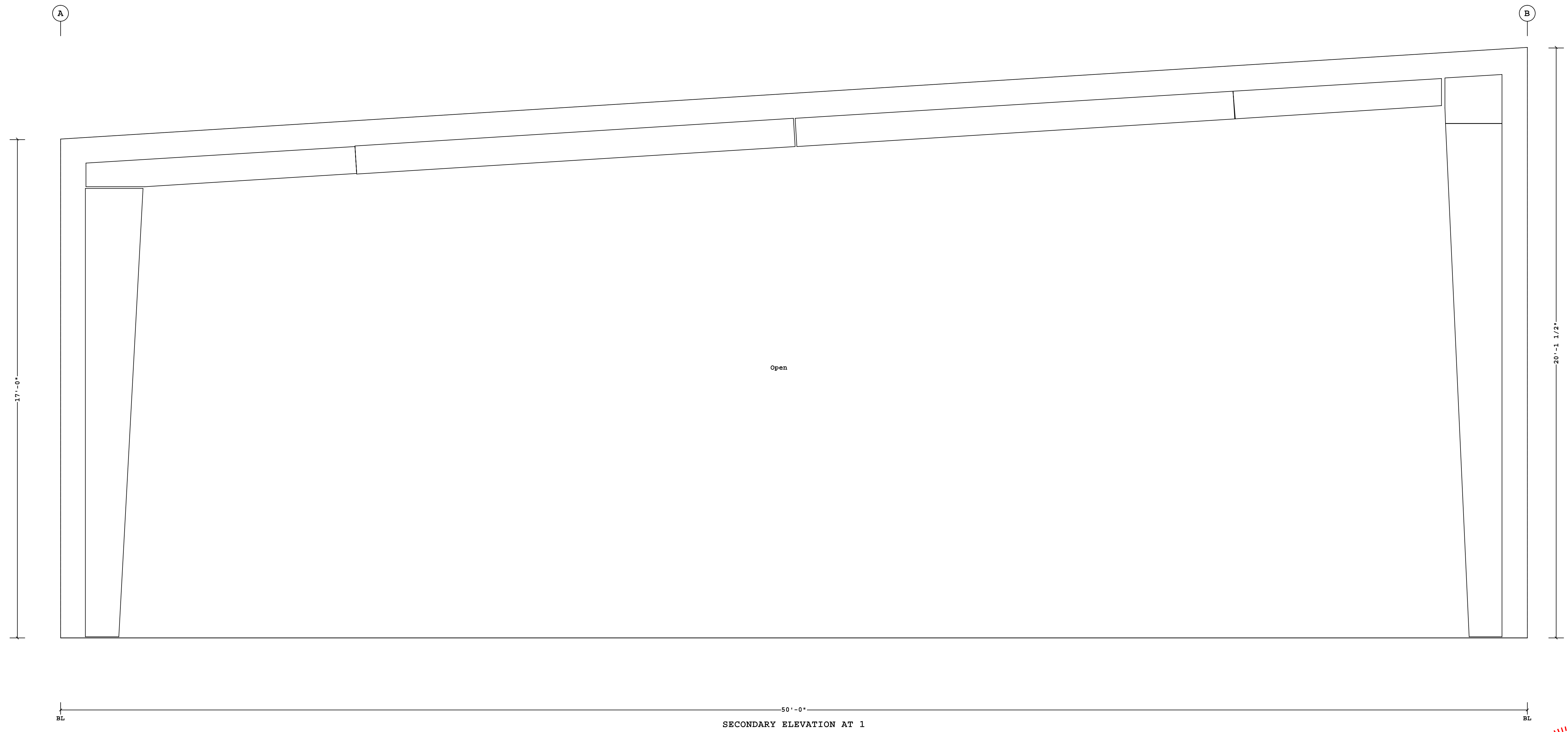
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REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

ROOF SECONDARY SED'S (b)	
BUILDER	Lemartec Corporation
CUSTOMER	Duke Energy
LOCATION	Dunn, North Carolina
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter
BUILDERS PO#	23068 - Vehicle_R1
VPC VERSION:	24.1.1
JOBNO	24-008562
DATE	06/13/2024
DRAWN/CHECK	MRS FCJ
PAGE	20



06/12/2024

FOR CONSTRUCTION

Shape Name = Vehicle Shelter, Wall = 1

50'-0"
SECONDARY ELEVATION AT 1

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 CONNECTIONS.
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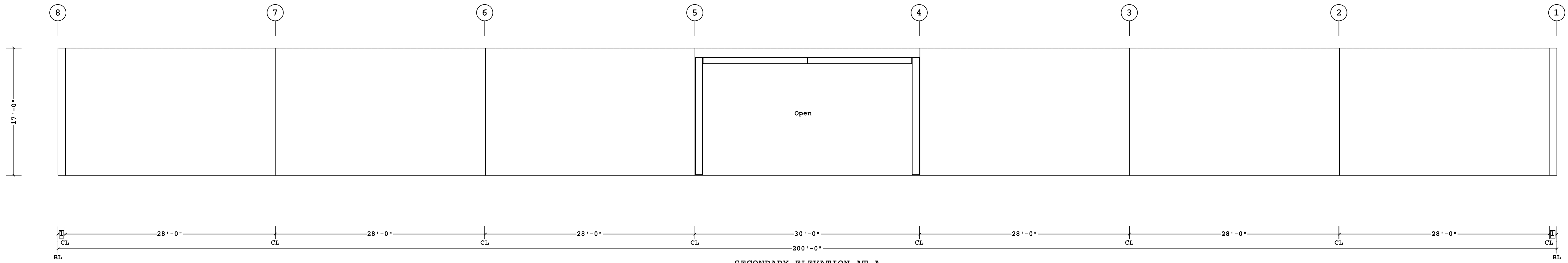
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REV	DATE	BY	DESCRIPTION	BUILDER	CUSTOMER	LOCATION	PROJECT	BUILDERS PO#	VP BUILDINGS	JOBNO	DATE	DRAWN/CHECK	PAGE
D				Lemartec Corporation	Duke Energy	Dunn, North Carolina	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	23068 - Vehicle_R1	VP BUILDINGS VARCO PRUDEN A BlueScope Steel Company	24-008562	06/13/2024	MRS FCJ	21
NTS				3200 Players Club Circle Memphis TN 38125		SECONDARY ELEVATION AT 1		VPC VERSION: 24.1.1		FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1			

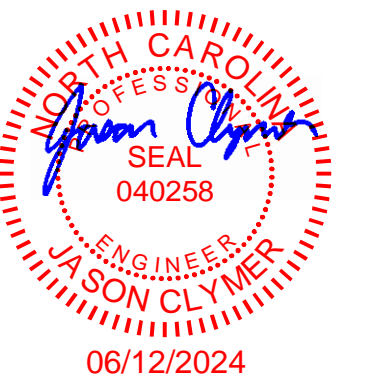
5/24/2024

13:21:49

FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1



SECONDARY ELEVATION AT A



1 1'-0"
 Dimension Key

Shape Name = Vehicle Shelter, Wall = 2

FOR CONSTRUCTION

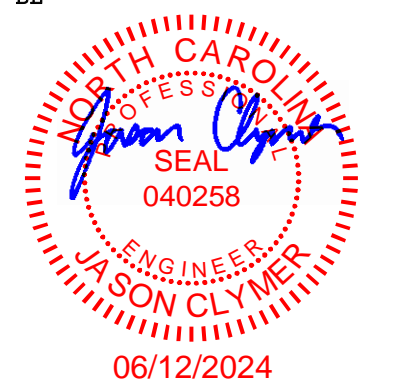
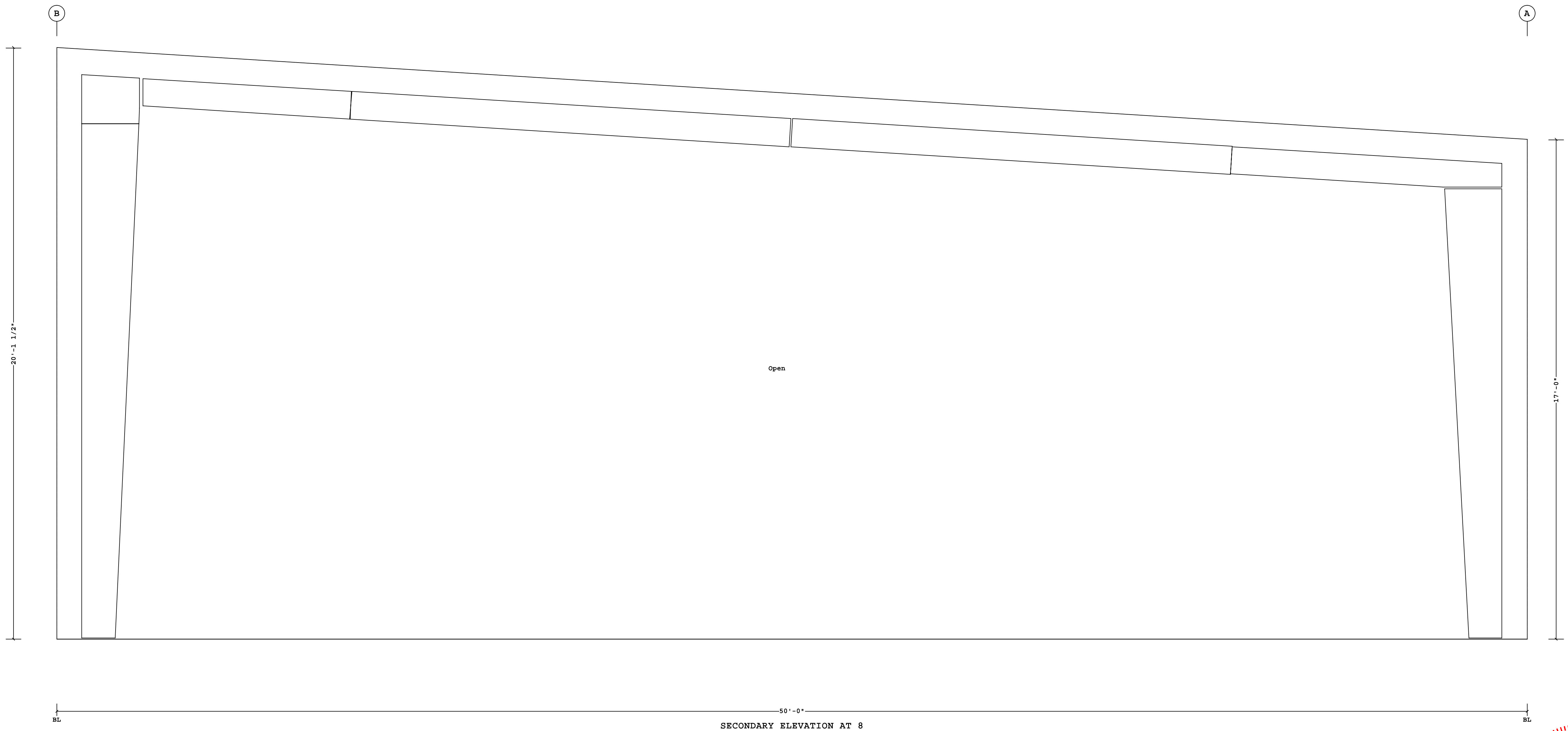
1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
 2. FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.
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REV	DATE	BY	DESCRIPTION	BUILDER	CUSTOMER	LOCATION	PROJECT	BUILDERS PO#	VP BUILDINGS	JOBNO	DATE	DRAWN/CHECK	PAGE
D			VP Buildings 3200 Players Club Circle Memphis TN 38125	Lemartec Corporation	Duke Energy	Dunn, North Carolina	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	23068 - Vehicle_R1	VP BUILDINGS VARCO PRUDEN A BlueScope Steel Company	24-008562	06/13/2024	MRS FCJ	22
NTS				VP BUILDINGS		VP BUILDINGS		VP BUILDINGS		VP BUILDINGS		VP BUILDINGS	
5/24/2024				13:21:50		FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1		VP VERSION: 24.1.1		Division of BlueScope Buildings North America, Inc.			



06/12/2024

FOR CONSTRUCTION


Shape Name = Vehicle Shelter, Wall = 3

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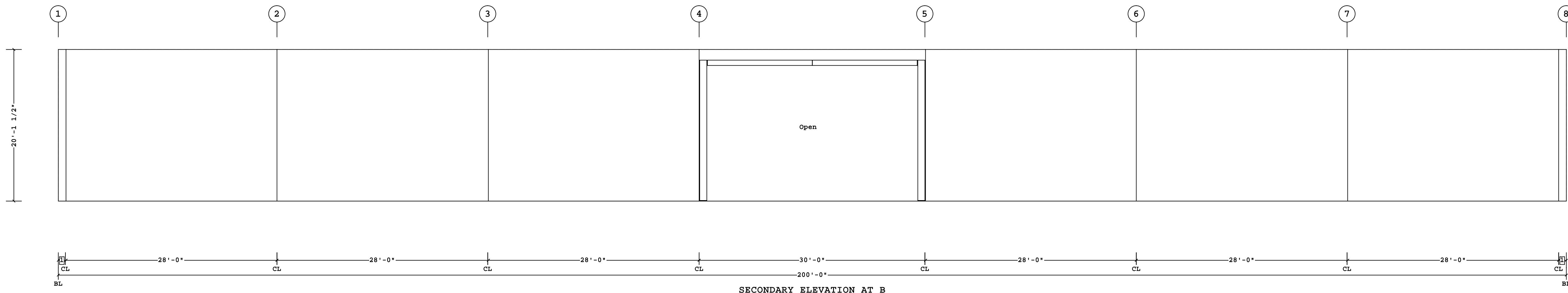
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D				Lemartec Corporation	Duke Energy	Dunn, North Carolina	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	23068 - Vehicle_R1	24.1.1	24-008562	06/13/2024	MRS FCJ	23
VP Buildings 3200 Players Club Circle Memphis TN 38125				SECONDARY ELEVATION AT 8									
NTS													
				FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1									

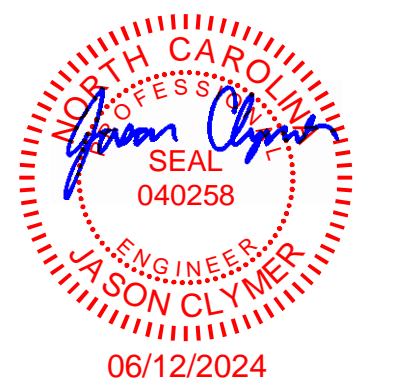
5/24/2024

13:21:52

Division of BlueScope Buildings North America, Inc.



1 1'-0"
□ Dimension Key



Shape Name = Vehicle Shelter, Wall = 4

FOR CONSTRUCTION

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 CONNECTIONS.
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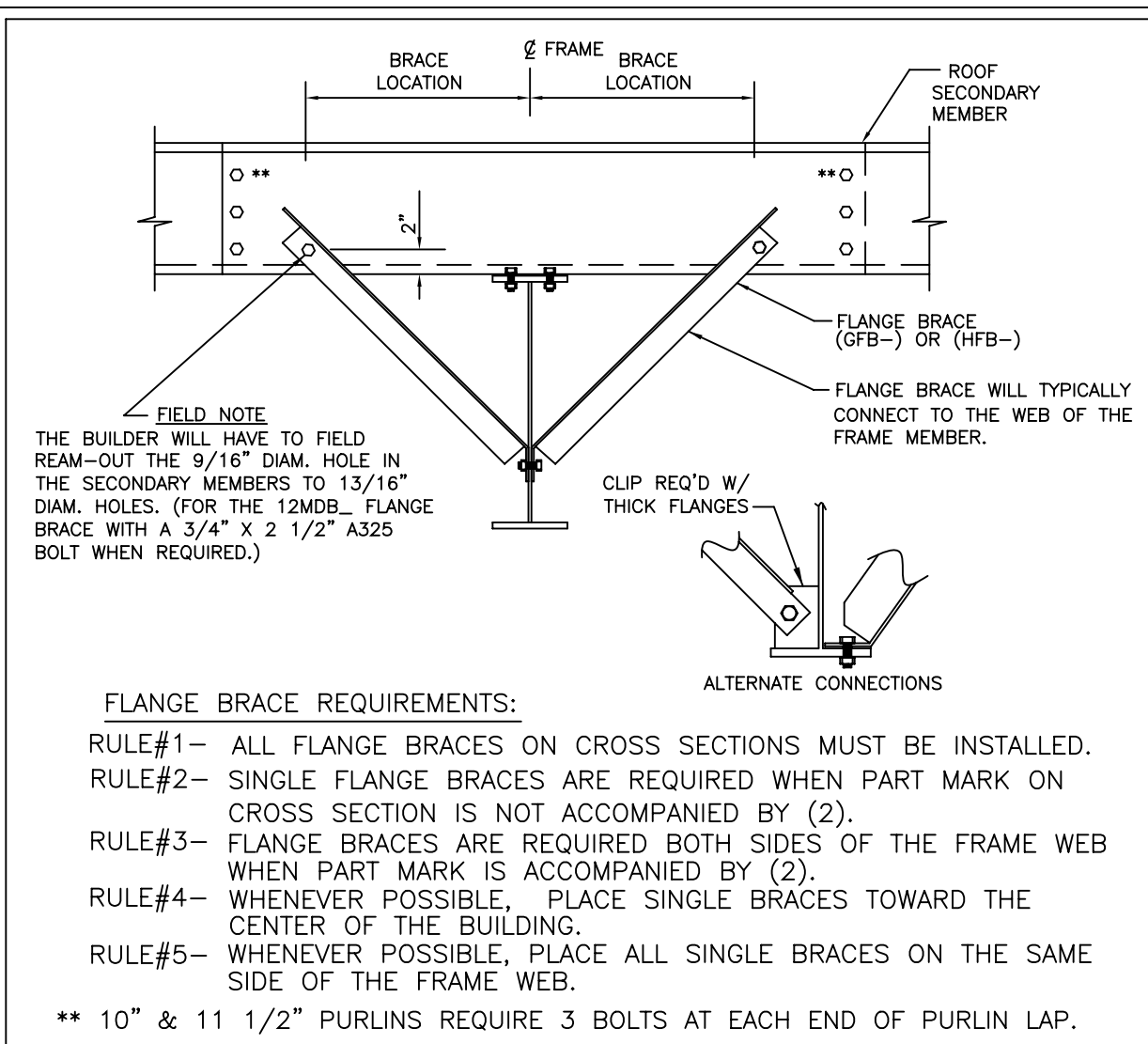
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D			VP Buildings 3200 Players Club Circle Memphis TN 38125
NTS			
5/24/2024 13:21:53			

SECONDARY ELEVATION AT B

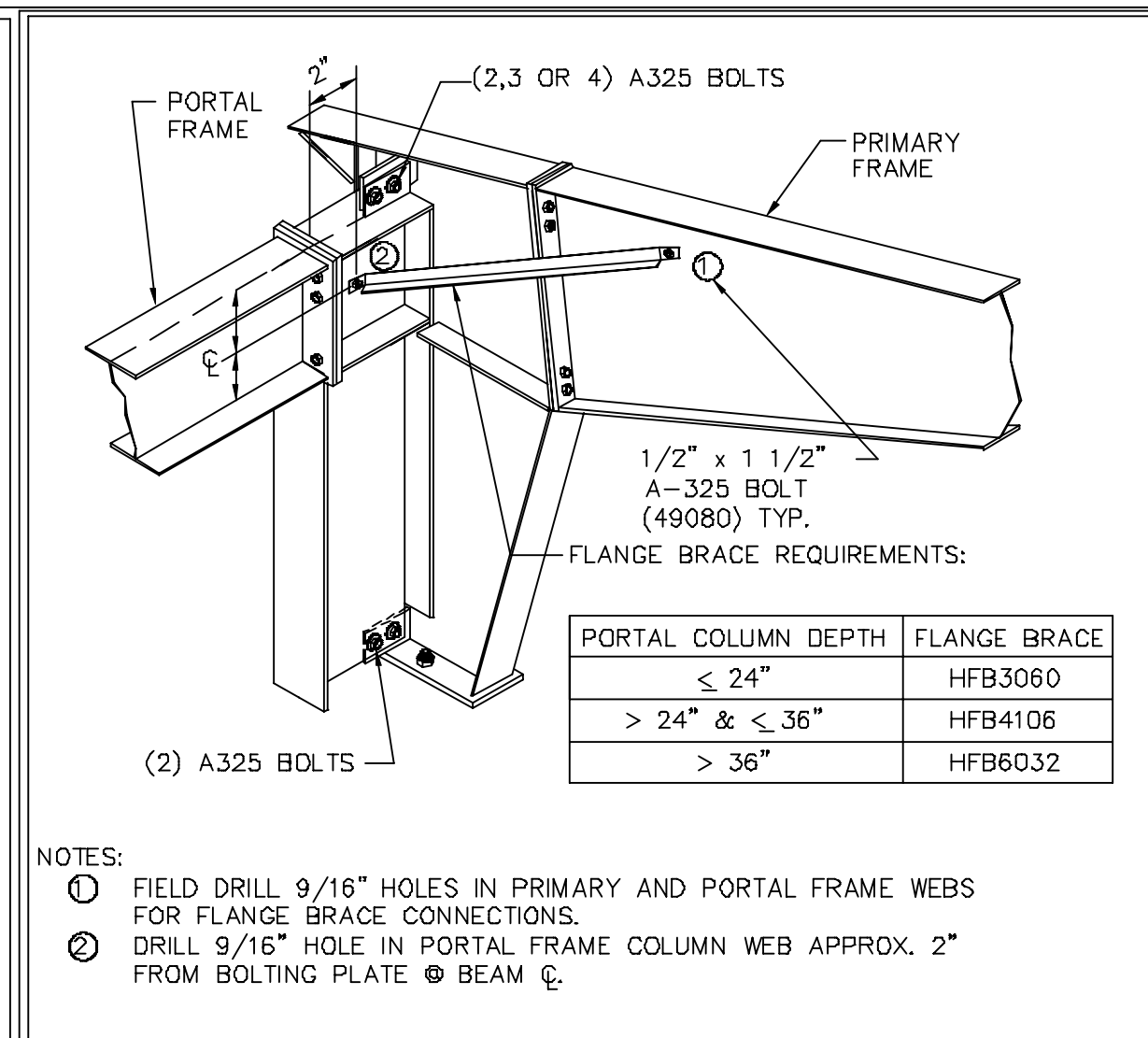
BUILDER	Lemartec Corporation	JOBNO	24-008562
CUSTOMER	Duke Energy	DATE	06/13/2024
LOCATION	Dunn, North Carolina	DRAWN/CHECK	MRS FCJ
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	PAGE	24
BUILDERS PO#	23068 - Vehicle_R1	VPC VERSION:	24.1.1
FILENAME: Duke Energy - Vehicle and Trailer Shelter - R1			



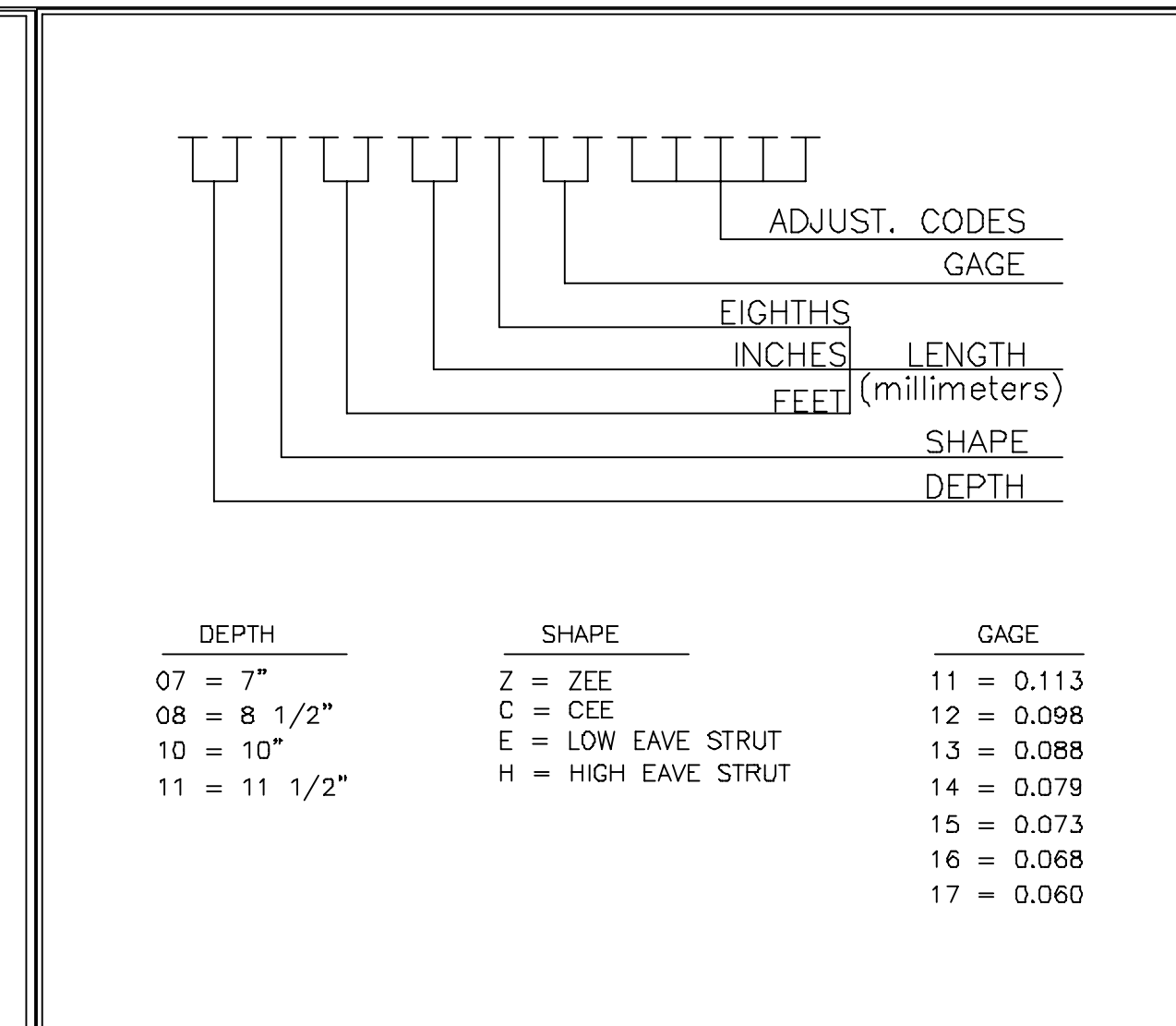
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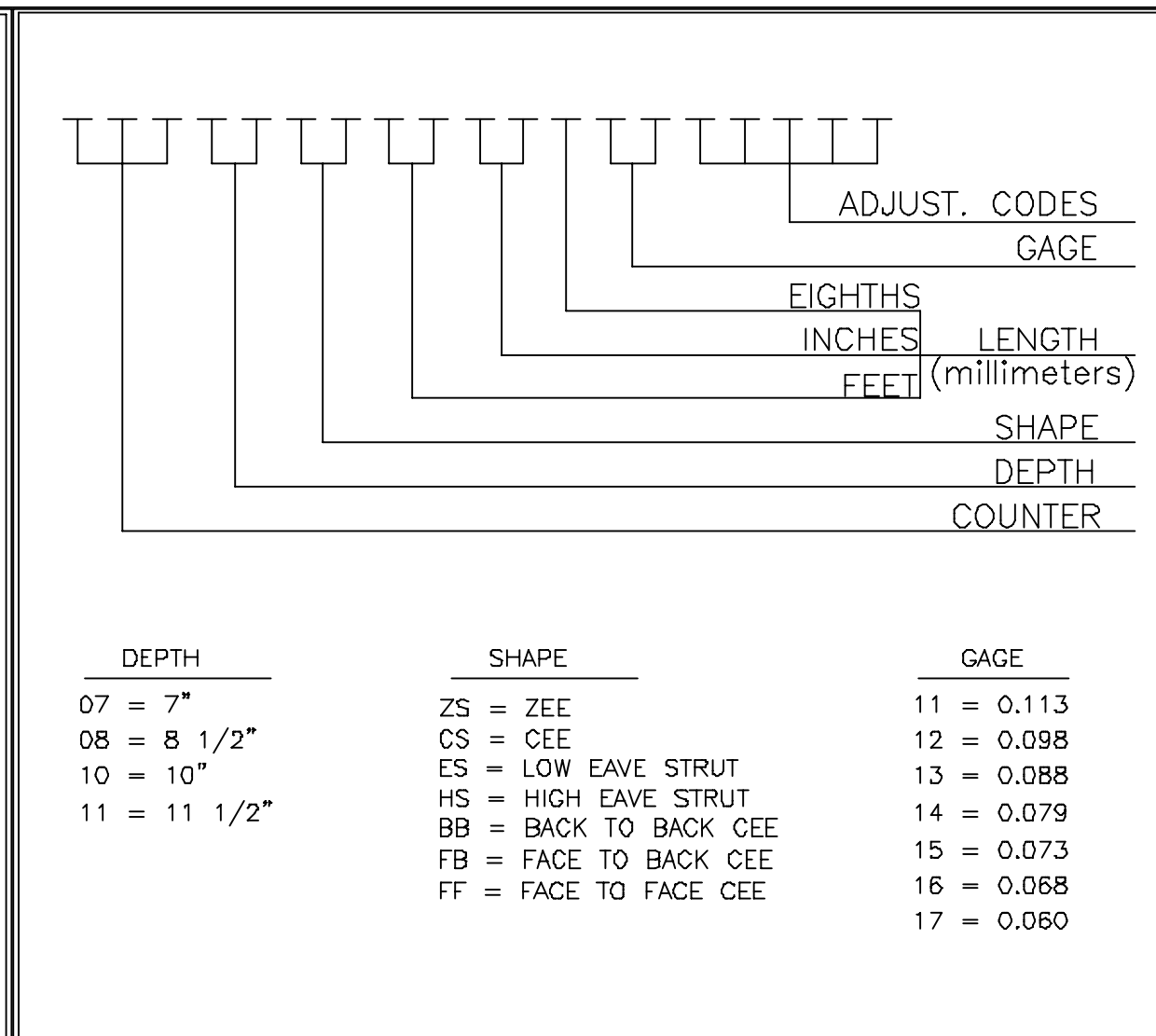
REV. DATE: 05/08/18 REV. NO. 02	TYPICAL FLANGE BRACE CONNECTIONS CONT. PURLIN LAP SHOWN, CONT. GIRT & SIMPLE PURLIN
BR06AE	



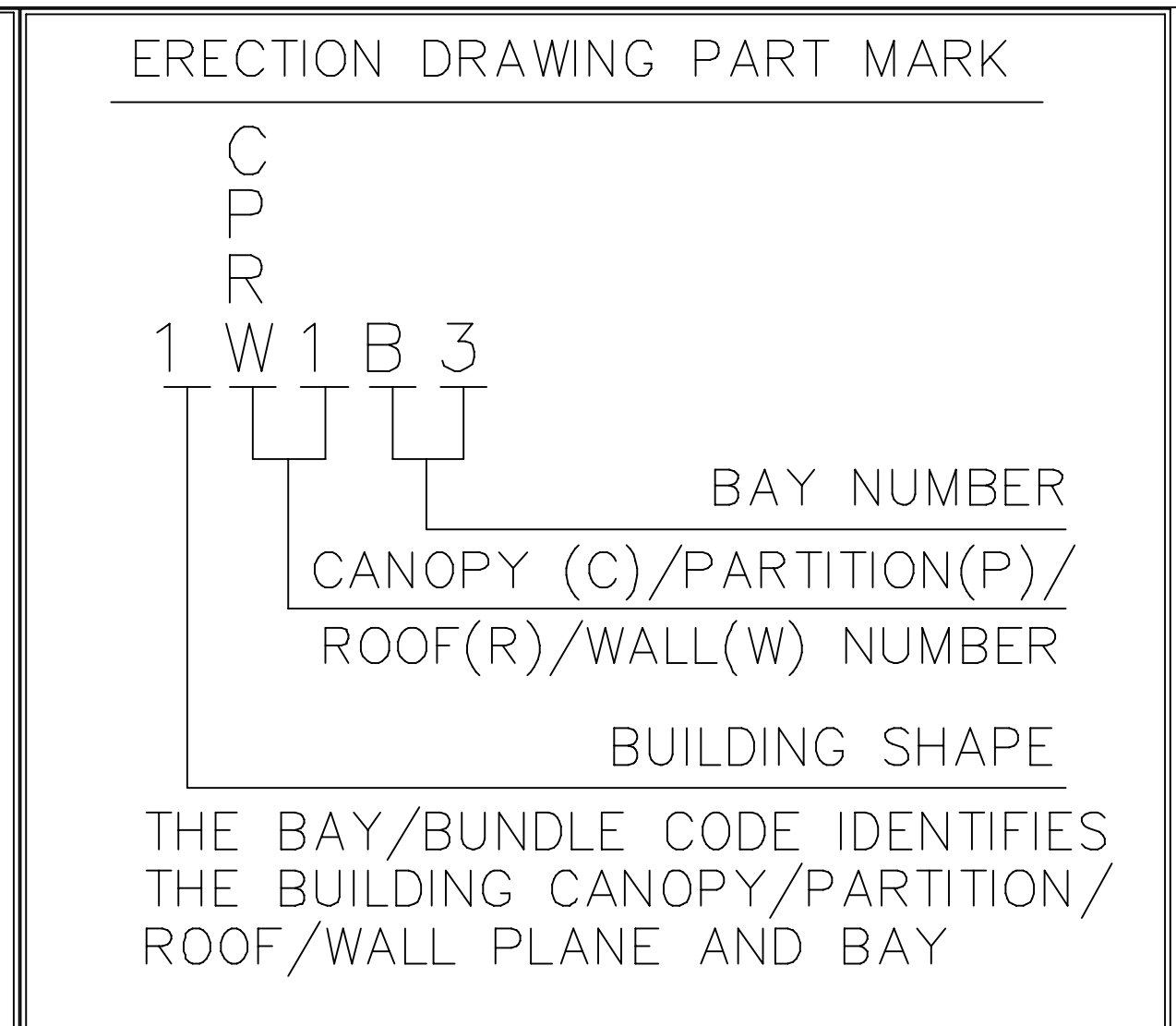
REV. DATE: 03/17/18 REV. NO. 03	FLUSH PORTAL FRAME CONNECTION FLANGE BRACE CONNECTION AND LOCATION
BR12K1	



REV. DATE: 07/01/09 REV. NO. 00	SECONDARY PART MARK NUMBER COMMON GENERATED MARK NUMBERS
EN51B1	



REV. DATE: 07/01/09 REV. NO. 00	SPECIAL SECONDARY PART MARK KEY COMMON GENERATED MARK NUMBERS
EN51B2	



REV. DATE: 01/31/13 REV. NO. 01	SECONDARY BUNDLE LOCATION KEY ALL SECONDARY DEPTHS
EN51B3	

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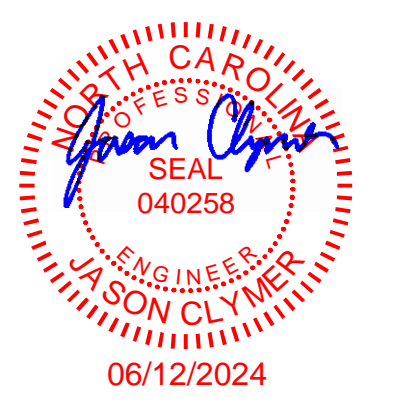
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D	VP Buildings 3200 Players Club Circle Memphis TN 38125			
	REV	DATE	BY	DESCRIPTION
NTS				

WALL SECONDARY SED'S (a)		 VARCO PRUDEN A BlueScope Steel Company	JOBNO 24-008562
BUILDER	Lemartec Corporation		DATE 06/13/2024
CUSTOMER	Duke Energy		DRAWN/CHECK MRS FCJ
LOCATION	Dunn, North Carolina		PAGE 25
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter		
BUILDERS PO#	23068 - Vehicle_R1	VPC VERSION: 24.1.1	
FILENAME: Duke Energy - Vehicle and Trailer Shelter		© 2024 BlueScope Buildings North America, Inc.	



FOR CONSTRUCTION

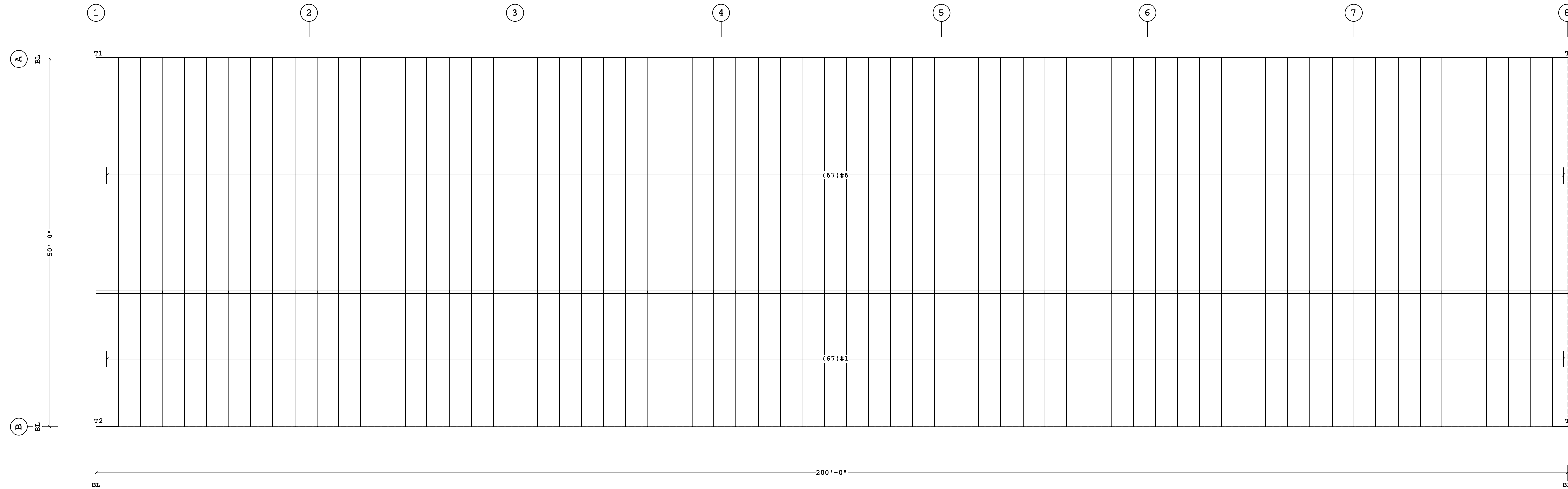
Covering Schedule								
Id	Qty	Length	Type	Gage	OP	Fin.	Color	Direction
#6	67	32'-2 5/8"	PR	24	1	G	TD	Left to Right
#1	67	18'-5 3/4"	PR	24	1	G	TD	Left to Right

Oper. Code:1=SQ,SQ
Finish:G=Galvalume
Color:TD=Standard Color

Fastener Schedule	
Part	Description
0097584UNPNTD	(T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer
0097584-116	(T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer
0097581UNPNTD	(T-1) 1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

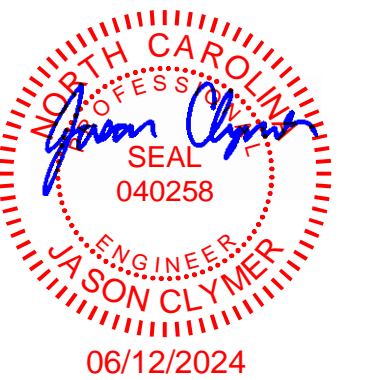
Trim Schedule	
Id	Parts
T1	BS1,FPRF1,GGC1,MCC1
T2	MCC1

Color	Details
Cool Zinc Gray	RC38N1
Cool Zinc Gray	RC38AJ



ROOF COVERING PLAN

Roof Covering Notes
detailed for a UL90 rating Construction #64 or 253
- The roof panels on this project has been'



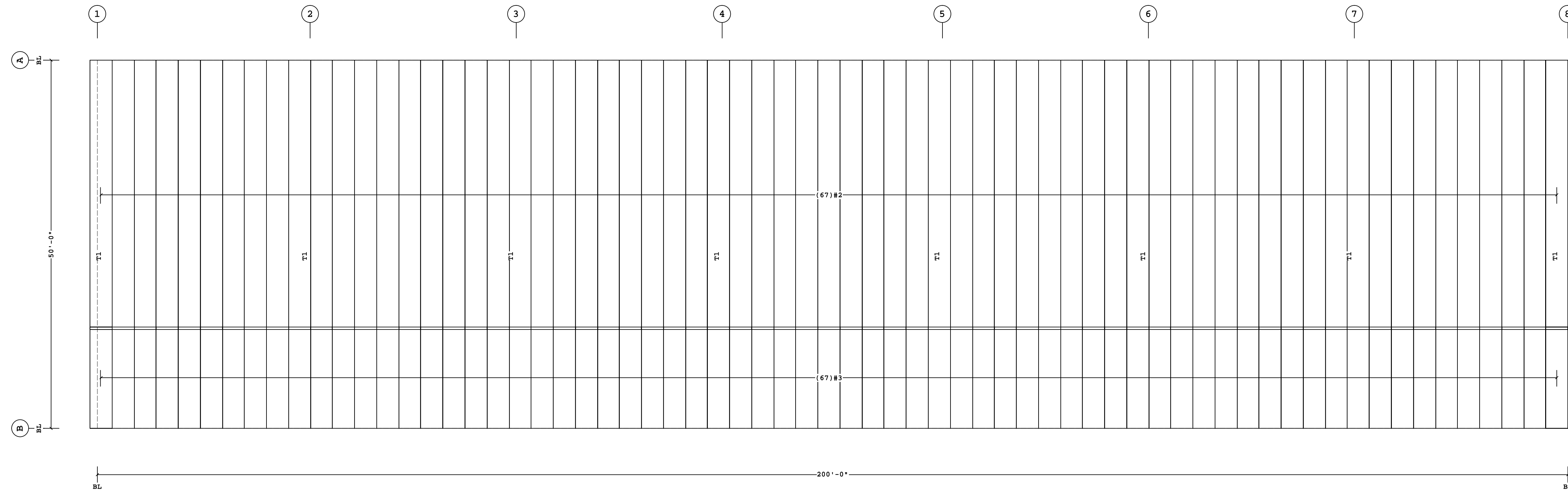
FOR CONSTRUCTION

<p>1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS</p> <p>2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.</p> <p>3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.</p> <p>4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.</p>	<p>THE VP ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF VP AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY VP. THE VP ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY VP EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY VP.</p>	<p>THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF VP BUILDINGS. 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 VP BUILDINGS.</p> <p>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, ALL APPLICABLE VP BUILDINGS ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.</p>	<p>D</p> <p>VP Buildings 3200 Players Club Circle Memphis TN 38125</p>	<p>ROOF COVERING PLAN</p>						
				<p>REVISIONS:</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DATE	BY	DESCRIPTION		
REV	DATE	BY	DESCRIPTION							

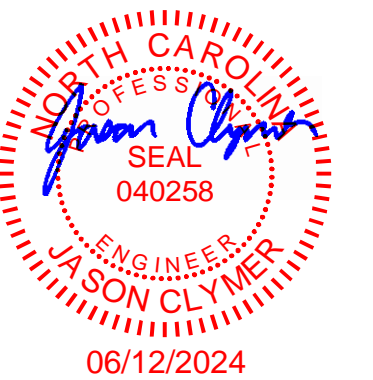
Liner/Soffit Schedule								
Id	Qty	Type	Length	Gage	OP	Finish Color	Direction	Cut
#2	67	DLN	36'-8 1/8"	26	1	K	OW	Left to Right
#3	67	DLN	13'-9"	26	2	K	OW	Left to Right

Oper. Code:1=SQ,SQ
 Oper. Code:2=SQ,SQ
 Finish:K=KXL (Kynar)
 Color:OW=Cool Cotton White

Liner Trim Schedule			Color	Details
Id	Parts		Match Roof Color	WLV015
T1	(8.4)LPJT			



ROOF LINER PLAN
(View from outside Building)



FOR CONSTRUCTION

1. PRE-DRILLING 1/8" DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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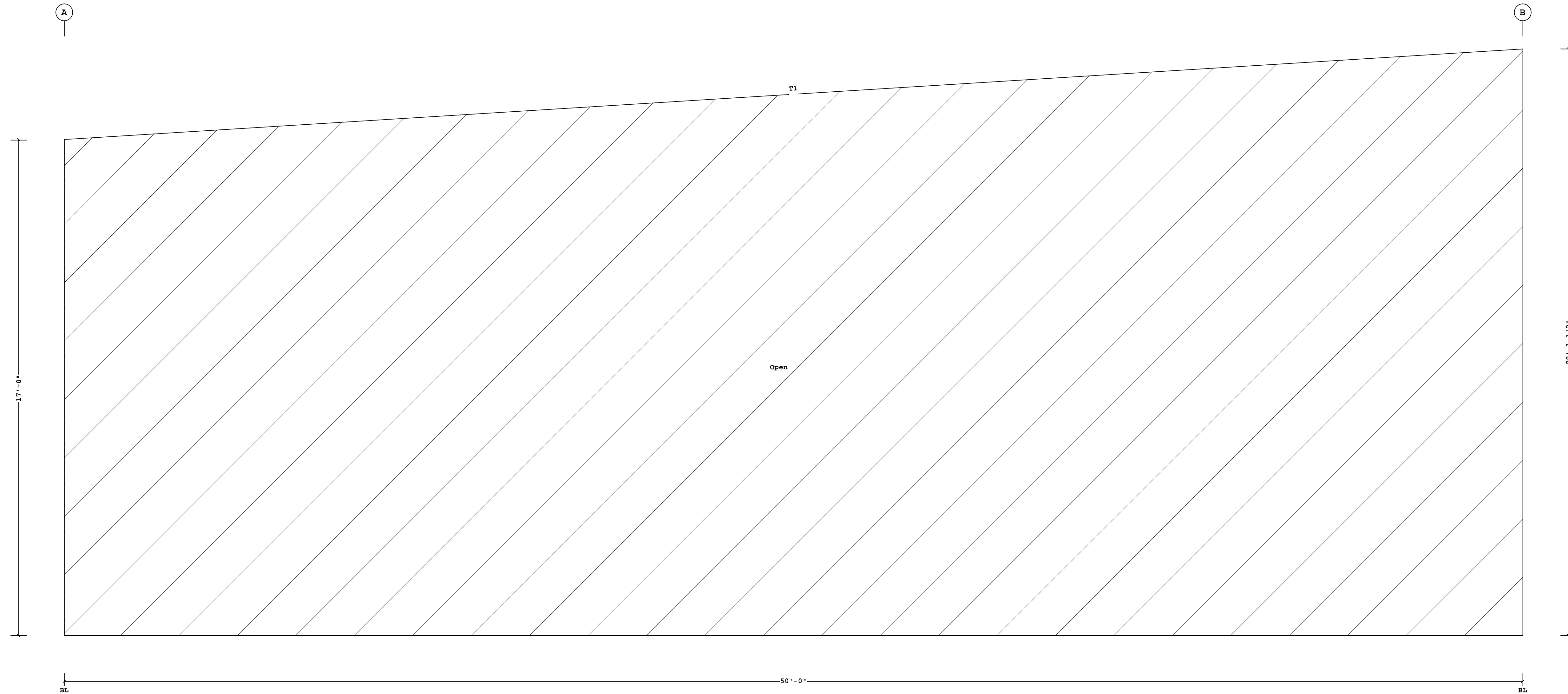
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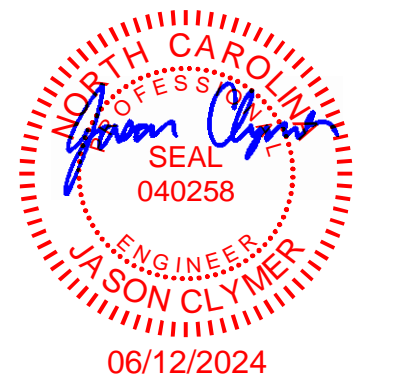
ROOF LINER PLAN		VP BUILDINGS	
BUILDER	Lemartec Corporation	JOBNO	24-008562
CUSTOMER	Duke Energy	DATE	06/13/2024
LOCATION	Dunn, North Carolina	DRAWN/CHECK	MRS FCJ
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	PAGE	27
BUILDERS PO#	23068 - Vehicle_R1	VPC VERSION:	24.1.1
FILENAME:	Duke Energy - Vehicle and Trailer Shelter_R1		

Trim Schedule
 Id Parts
 T1 (2)RKF20,RKF16,(6)STC10A

Color Details
 Cool Zinc Gray RC30BQ,RS10R1



COVERING ELEVATION AT 1



Shape Name = Vehicle Shelter, Wall = 1

FOR CONSTRUCTION

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										DATE 06/13/2024
										DRAWN/CHECK MRS FCJ
										PAGE 28

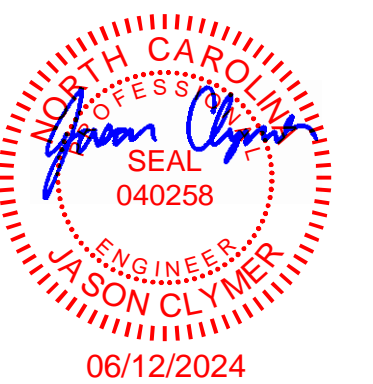
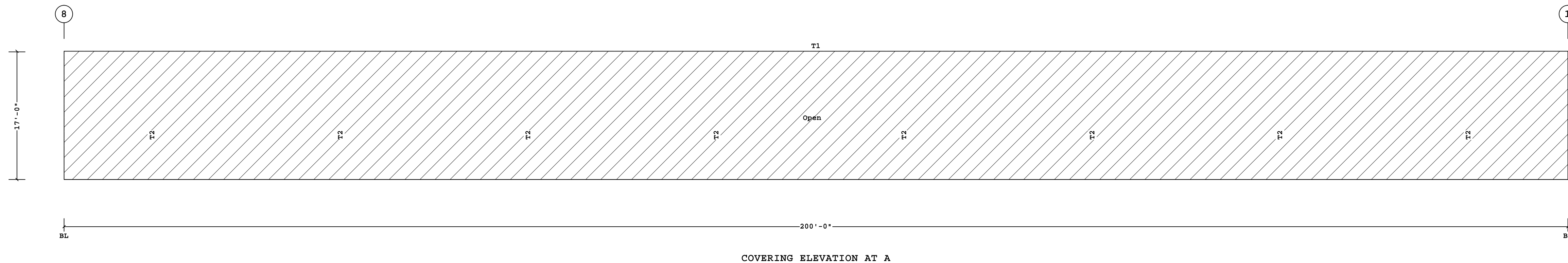
5/24/2024

13:21:57

FILENAME: Duke Energy - Vehicle and Trailer Shelter - R1

Trim Schedule	
Id	Parts
T1	(20)1SF21, (10)EG201, (69)STR2
T2	(2)5CE45, 5CE75, (2)CP510, DN1, (4)DST1

Color		Details	
Cool Zinc Gray		RC03B1, RC04B1, RC39A2, RC61B6, RCV047, RCV324	
Cool Zinc Gray		RC38R2	



Shape Name = Vehicle Shelter, Wall = 2

FOR CONSTRUCTION

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REV	DATE	BY	DESCRIPTION	BUILDER	CUSTOMER	LOCATION	PROJECT	BUILDERS PO#	VP BUILDINGS	JOBNO	DATE	DRAWN/CHECK	PAGE
D				Lemartec Corporation	Duke Energy	Dunn, North Carolina	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	23068 - Vehicle_R1	VP BUILDINGS VARCO PRUDEN A BlueScope Steel Company	24-008562	06/13/2024	MRS FCJ	29
NTS													

5/24/2024

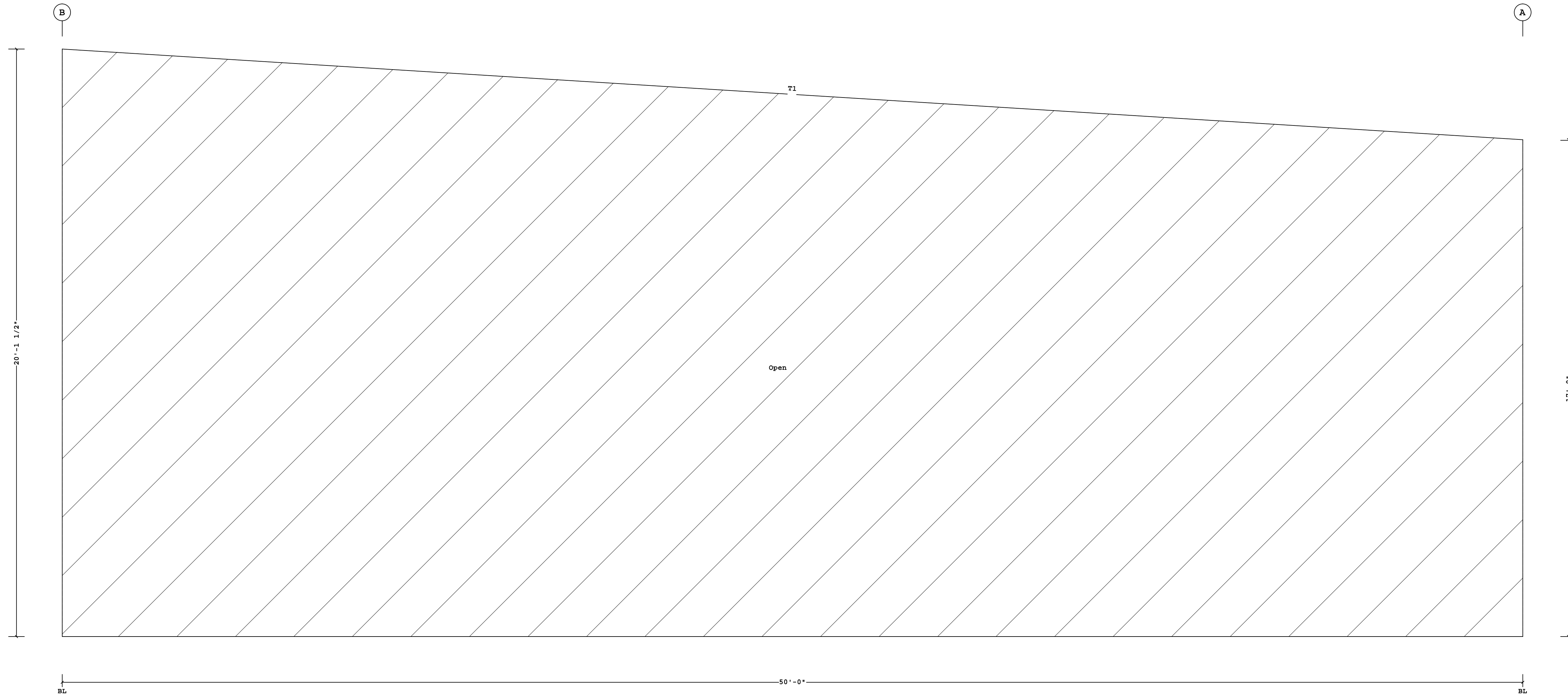
13:21:58

FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1

Trim Schedule
 Id Parts
 T1 (2)RKF20,RKF16,(6)STC10A

Color
 Cool Zinc Gray

Details
 RC30BQ,RS10R1



COVERING ELEVATION AT 8



Shape Name = Vehicle Shelter, Wall = 3

FOR CONSTRUCTION

- PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
- STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.
- DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
- SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

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REV	DATE	BY	DESCRIPTION	BUILDER	CUSTOMER	LOCATION	PROJECT	BUILDERS PO#	VP BUILDINGS	JOBNO
D				Lemartec Corporation	Duke Energy	Dunn, North Carolina	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	23068 - Vehicle_R1	VP BUILDINGS VARCO PRUDEN A BlueScope Steel Company	24-008562
										DATE 06/13/2024
										DRAWN/CHECK MRS FCJ
										PAGE 30

5/24/2024

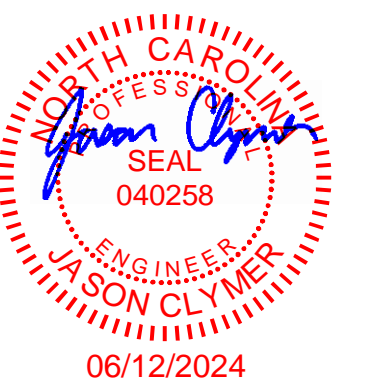
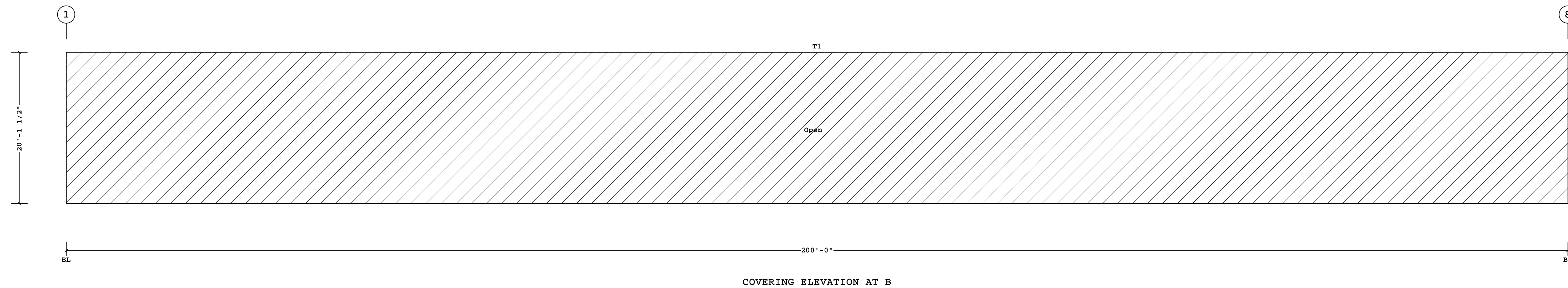
13:21:59

FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1

Trim Schedule
 Id Parts
 T1 (20)1SF11,(10)PKF20A

Color
 Cool Zinc Gray

Details
 EN52A1,ENV003,RC00A1,RC03B1,RC04B3,RCV018



Shape Name = Vehicle Shelter, Wall = 4

FOR CONSTRUCTION

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.
3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

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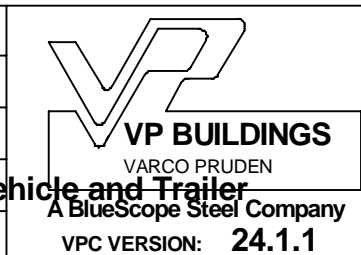
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REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125
			NTS

COVERING ELEVATION AT B

BUILDER	Lemartec Corporation
CUSTOMER	Duke Energy
LOCATION	Dunn, North Carolina
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter
BUILDERS PO#	23068 - Vehicle_R1
VP VERSION:	24.1.1

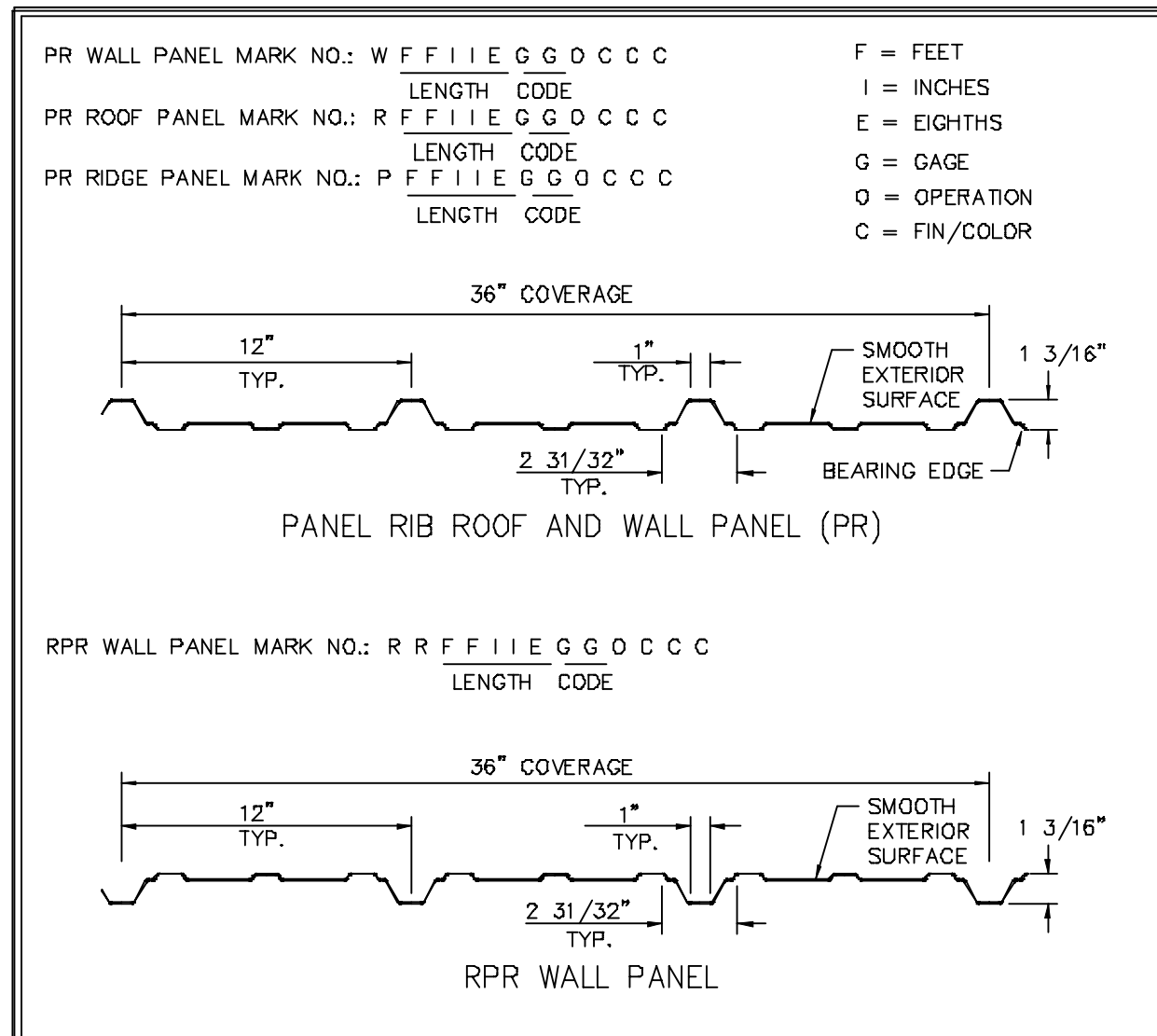


JOBNO	24-008562
DATE	06/13/2024
DRAWN/CHECK	MRS FCJ
PAGE	31

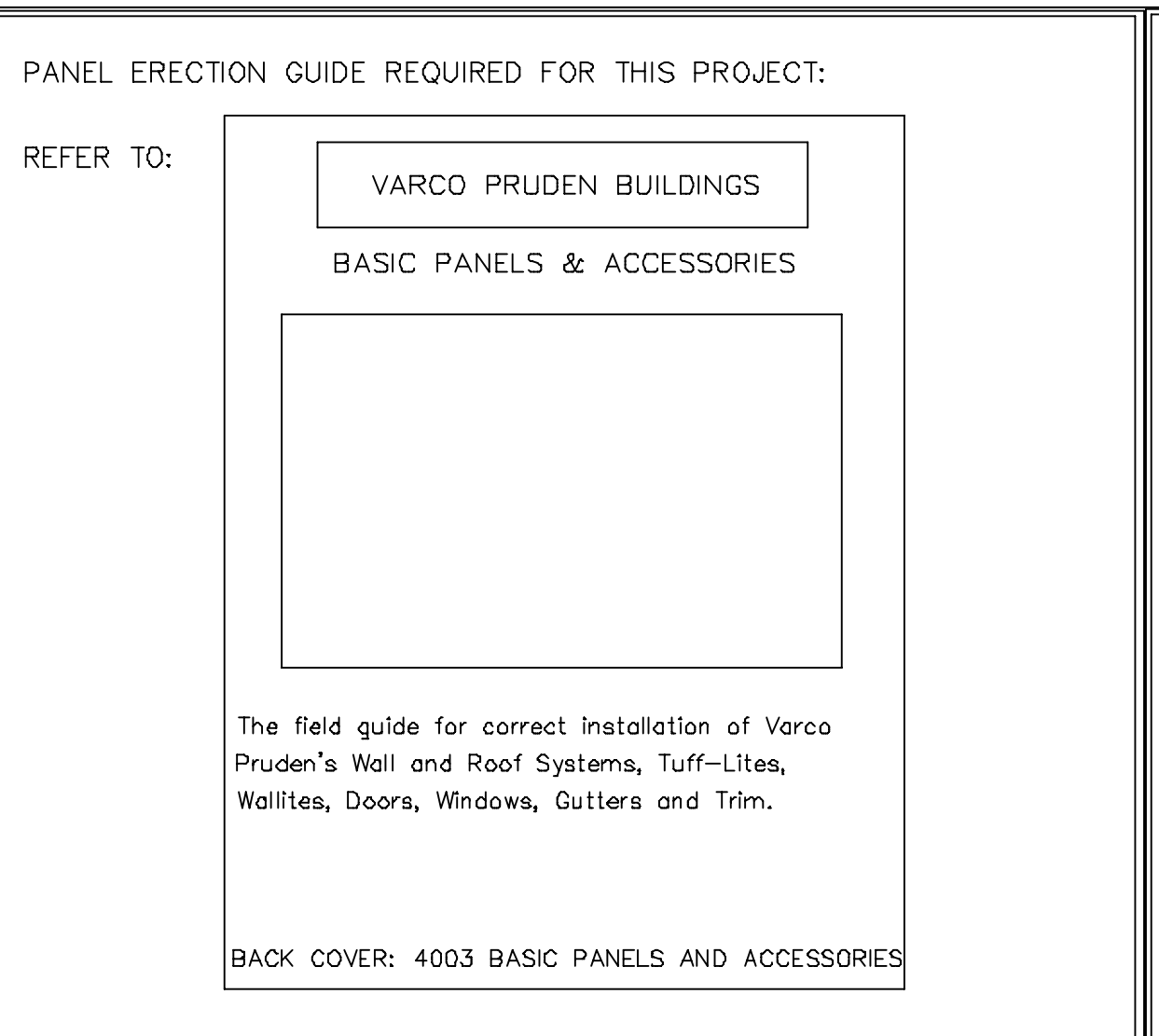
5/24/2024

13:22:01

FILENAME: Duke Energy - Vehicle and Trailer Shelter_R1



REV. DATE: 11/17/17 REV. NO. 01
EN52A1 PR ROOF & PR/RPR WALL PANELS

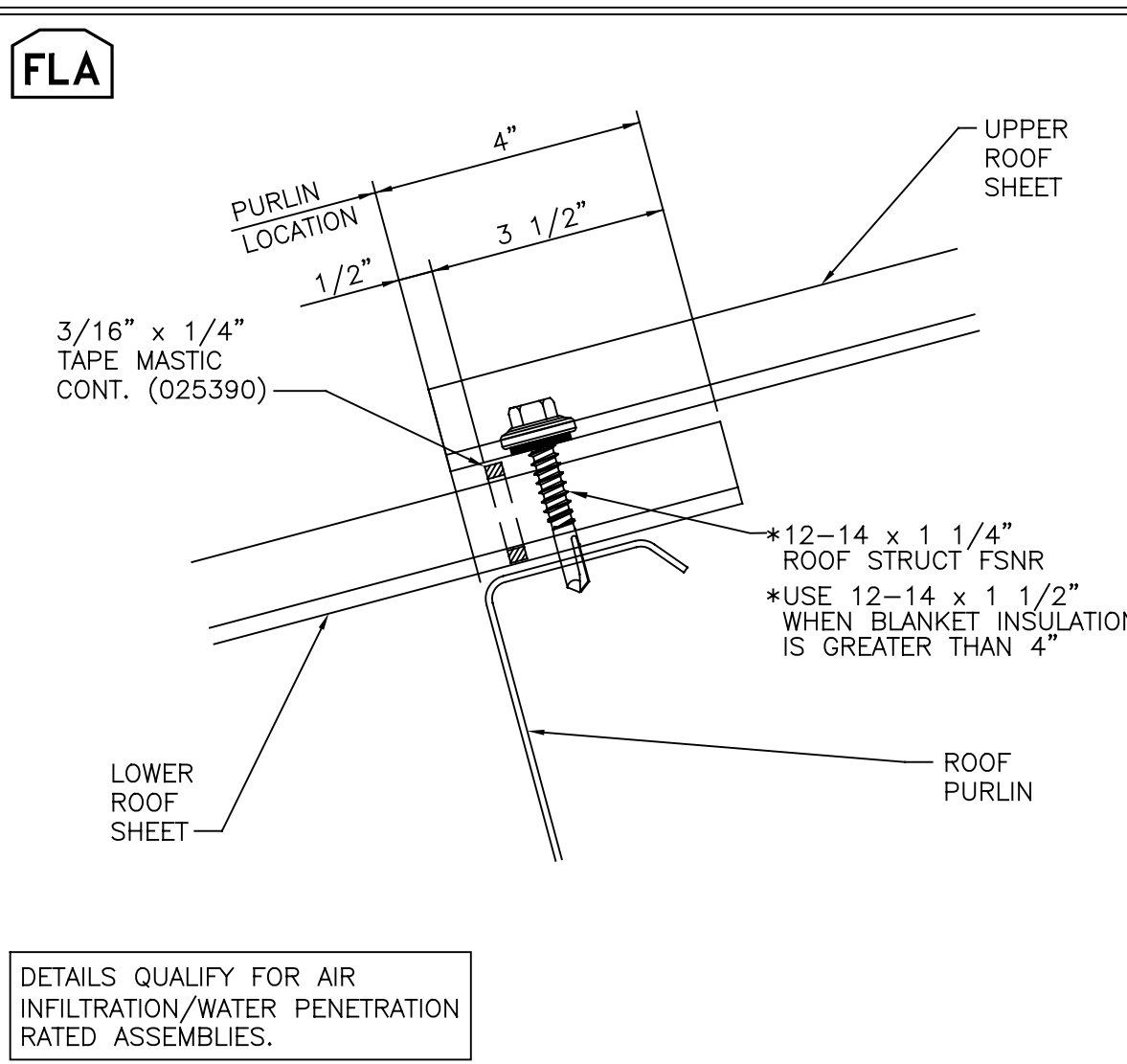


REV. DATE: 01/30/14 REV. NO. 00
ENV003 BASIC PANEL AND ACCESSORIES
CONTAINS: PR ROOF - WALLS: PR, RPR, VR

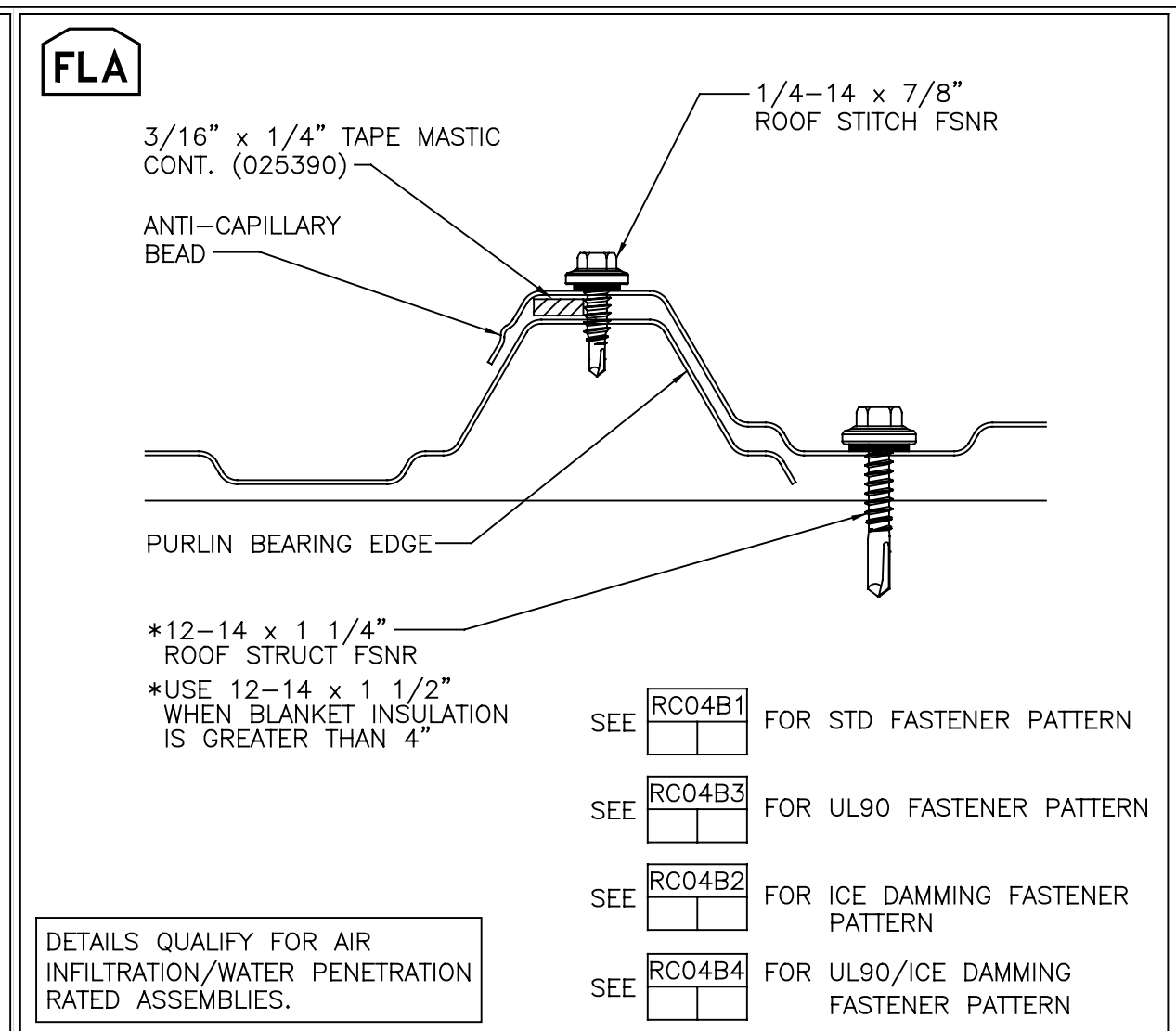
1. STANDARD ERECTION DETAILS (SED) SUPERSEDE SIMILAR DETAILS FOUND IN THE ERECTION GUIDES. REFER TO THE ERECTION GUIDES FOR OTHER DETAILS, INSTALLATION PROCEDURES AND ACCESSORIES NOT DESCRIBED IN THE SED'S.

2. ALL PANEL AND TRIM SURFACES MUST BE FREE OF DIRT AND OIL AT MASTIC AND SEALANT LOCATIONS.

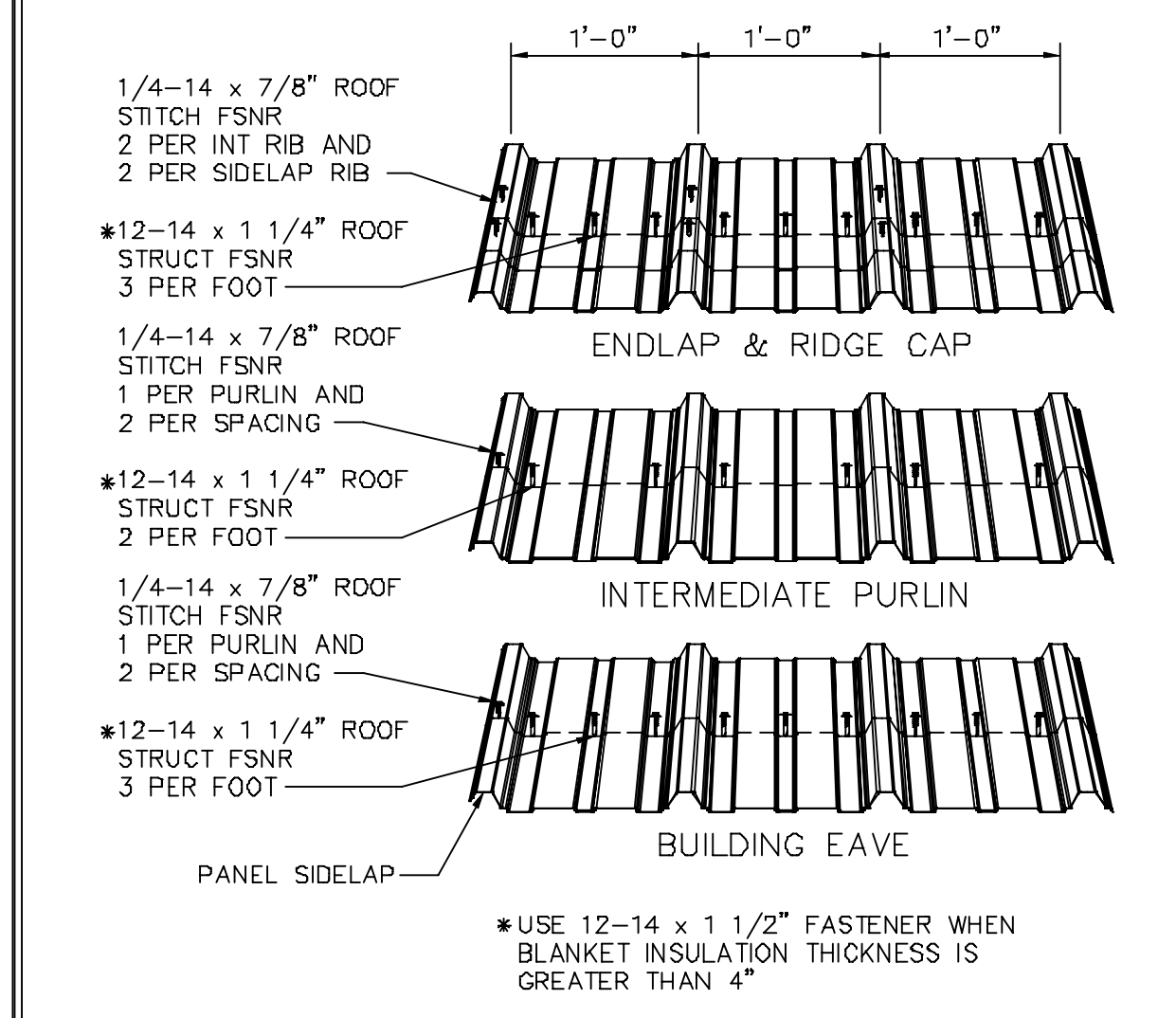
REV. DATE: 07/01/09 REV. NO. 00
RC00A1 NOTES



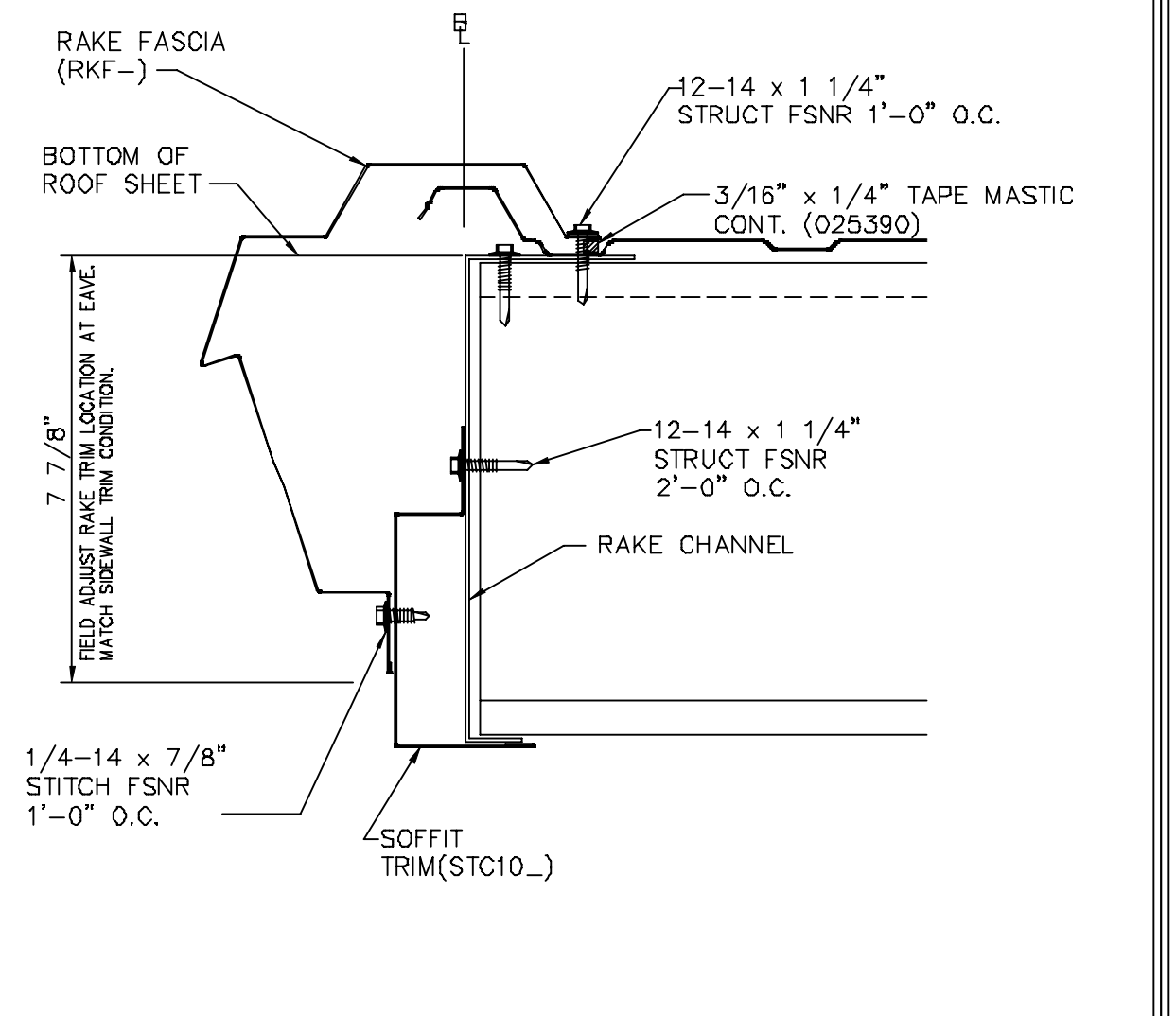
REV. DATE: 06/26/19 REV. NO. 04
RC02B1 PANEL RIB ROOF-STANDARD PANEL ENDLAP



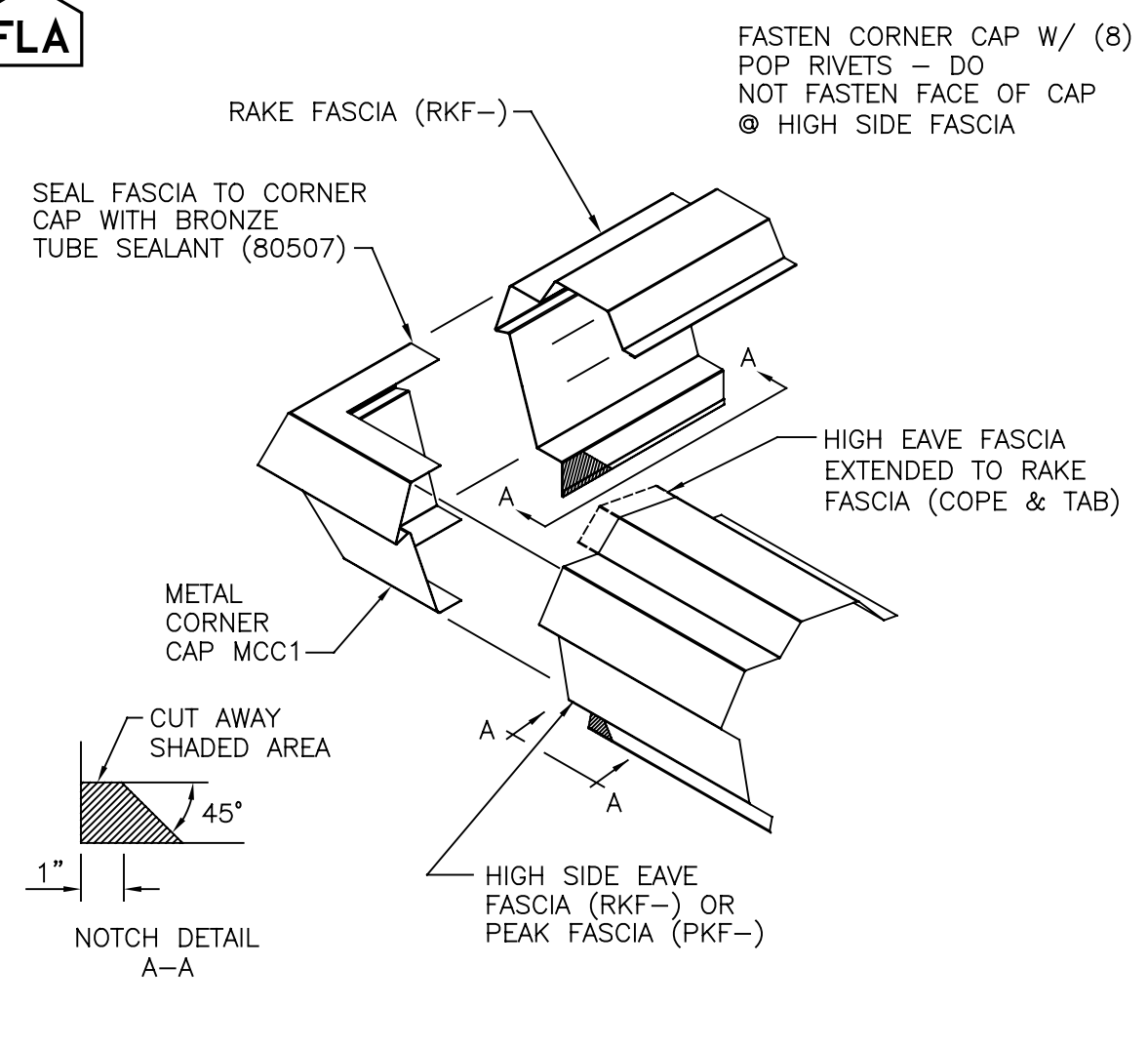
REV. DATE: 06/26/19 REV. NO. 00
RC03B1 PANEL RIB ROOF-STANDARD PANEL SIDELAP



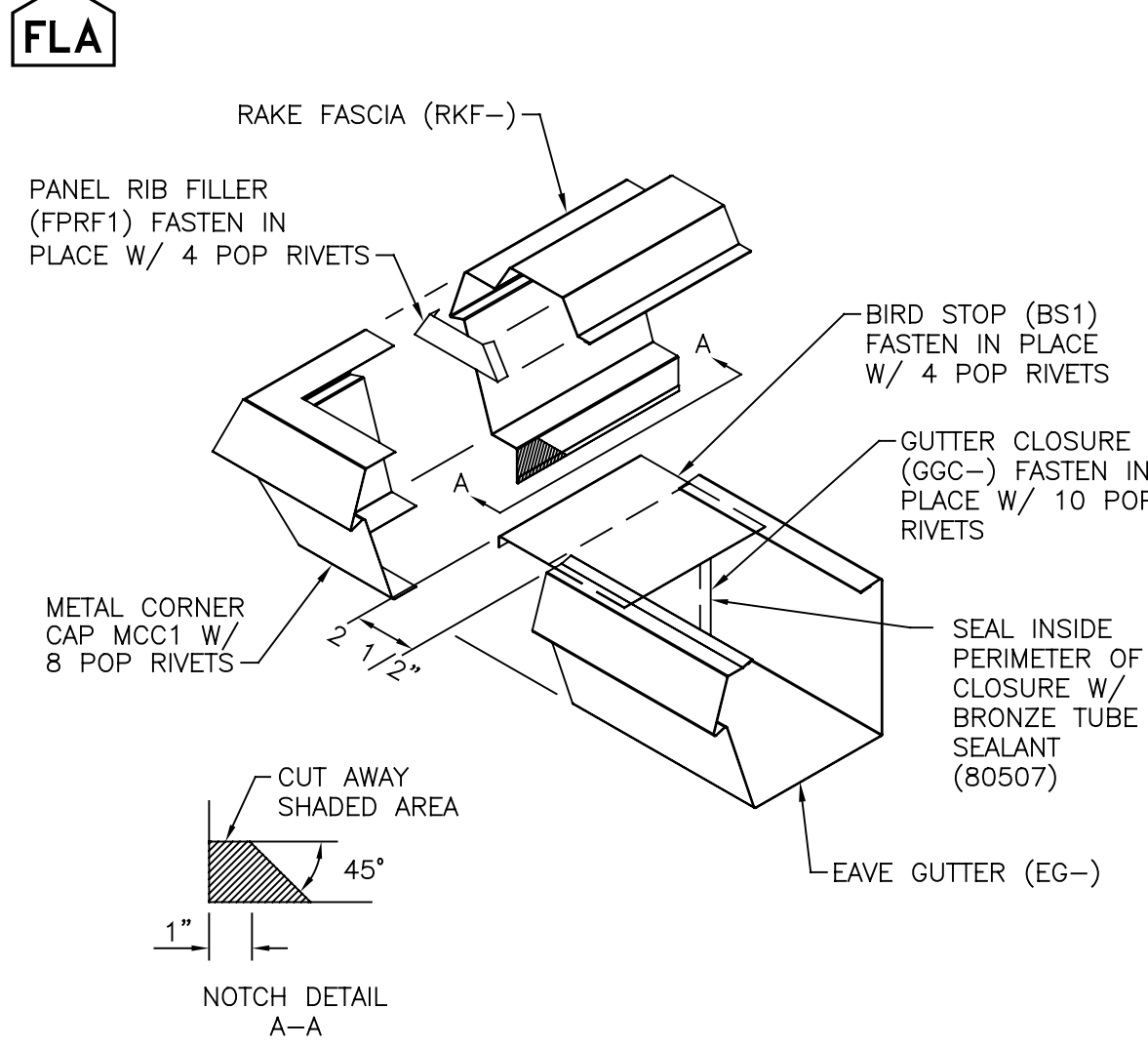
REV. DATE: 11/13/13 REV. NO. 01
RC04B3 PANEL RIB ROOF FSNR PATTERN
U.L. 90 RATED



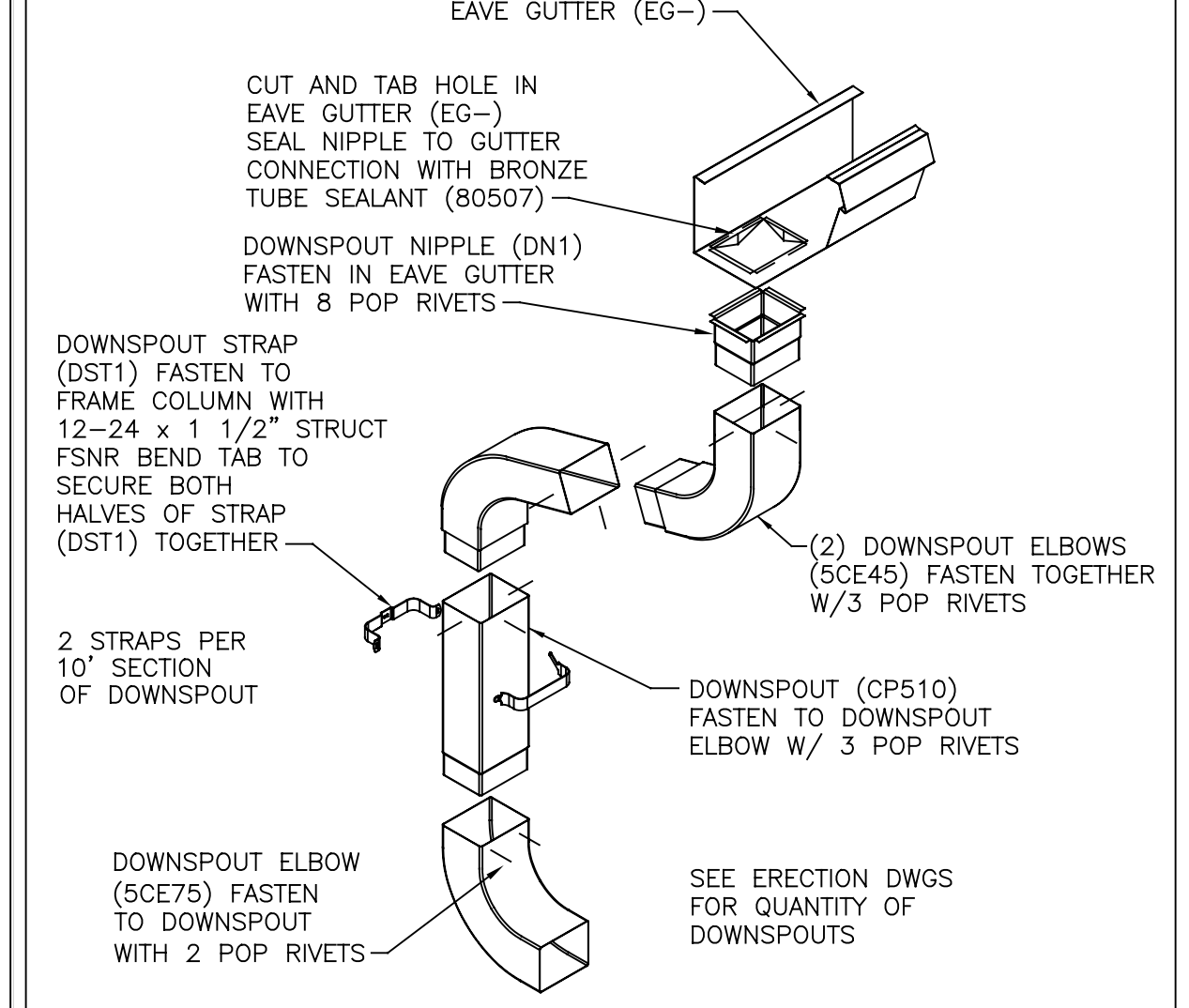
REV. DATE: 04/02/13 REV. NO. 00
RC30BQ PANEL RIB ROOF RAKE OPEN WALL



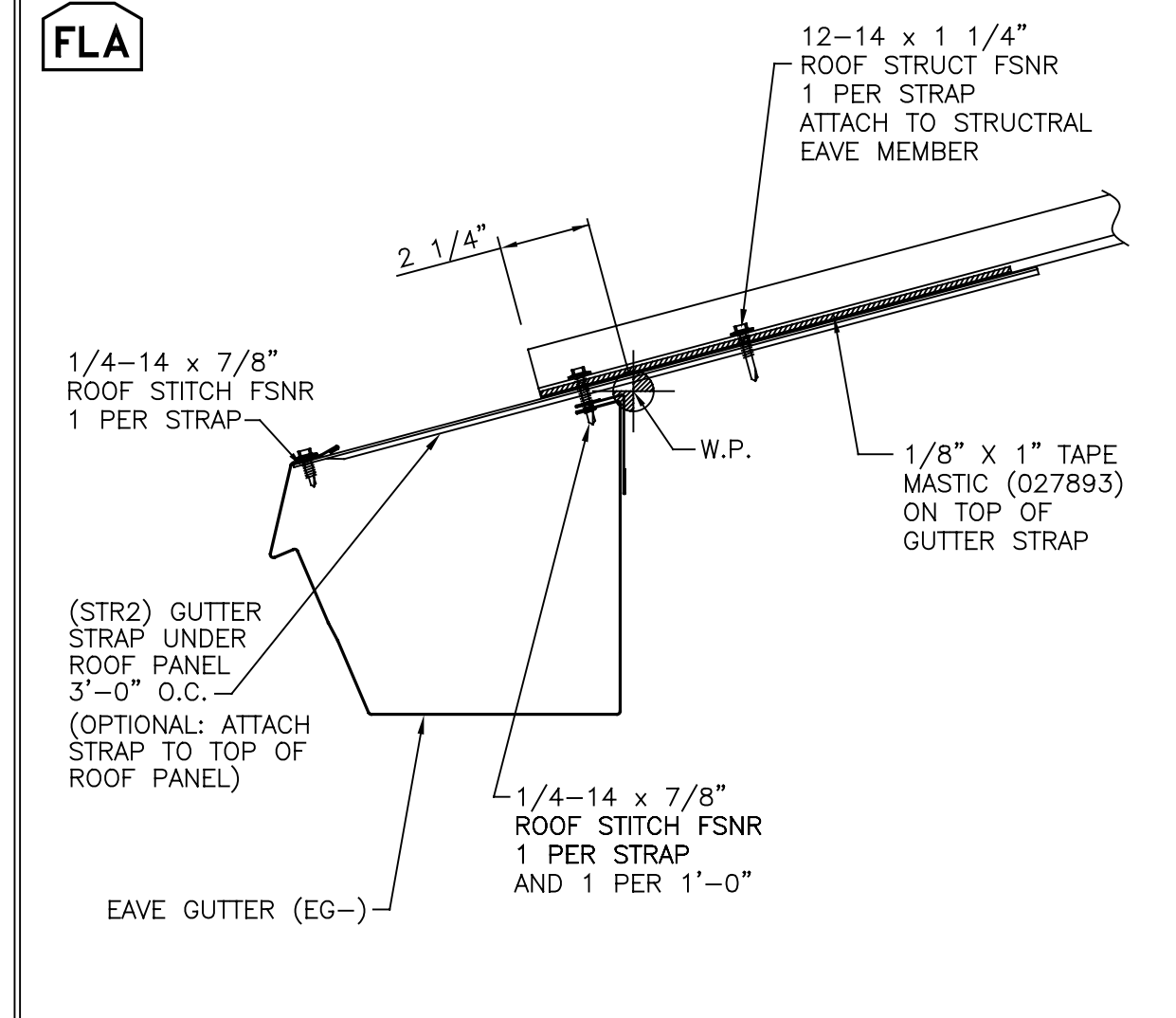
REV. DATE: 06/26/19 REV. NO. 05
RC38AJ HIGH EAVE CORNER ASSEMBLY
ALL WALL SYSTEMS (SSR, PANEL RIB ROOFS)



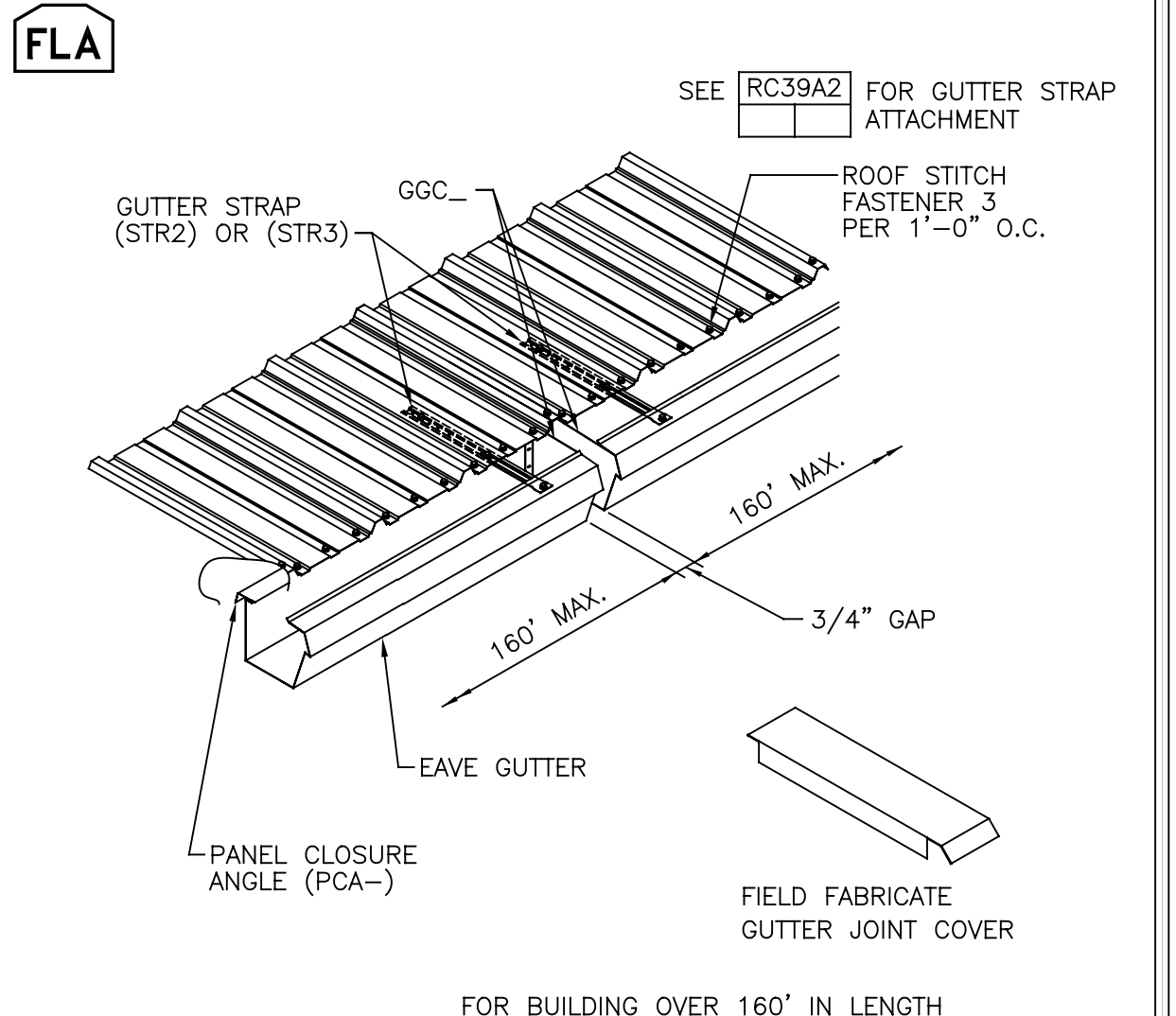
REV. DATE: 06/26/19 REV. NO. 04
RC38N1 EAVE GUTTER CORNER ASSEMBLY
ALL SYSTEMS



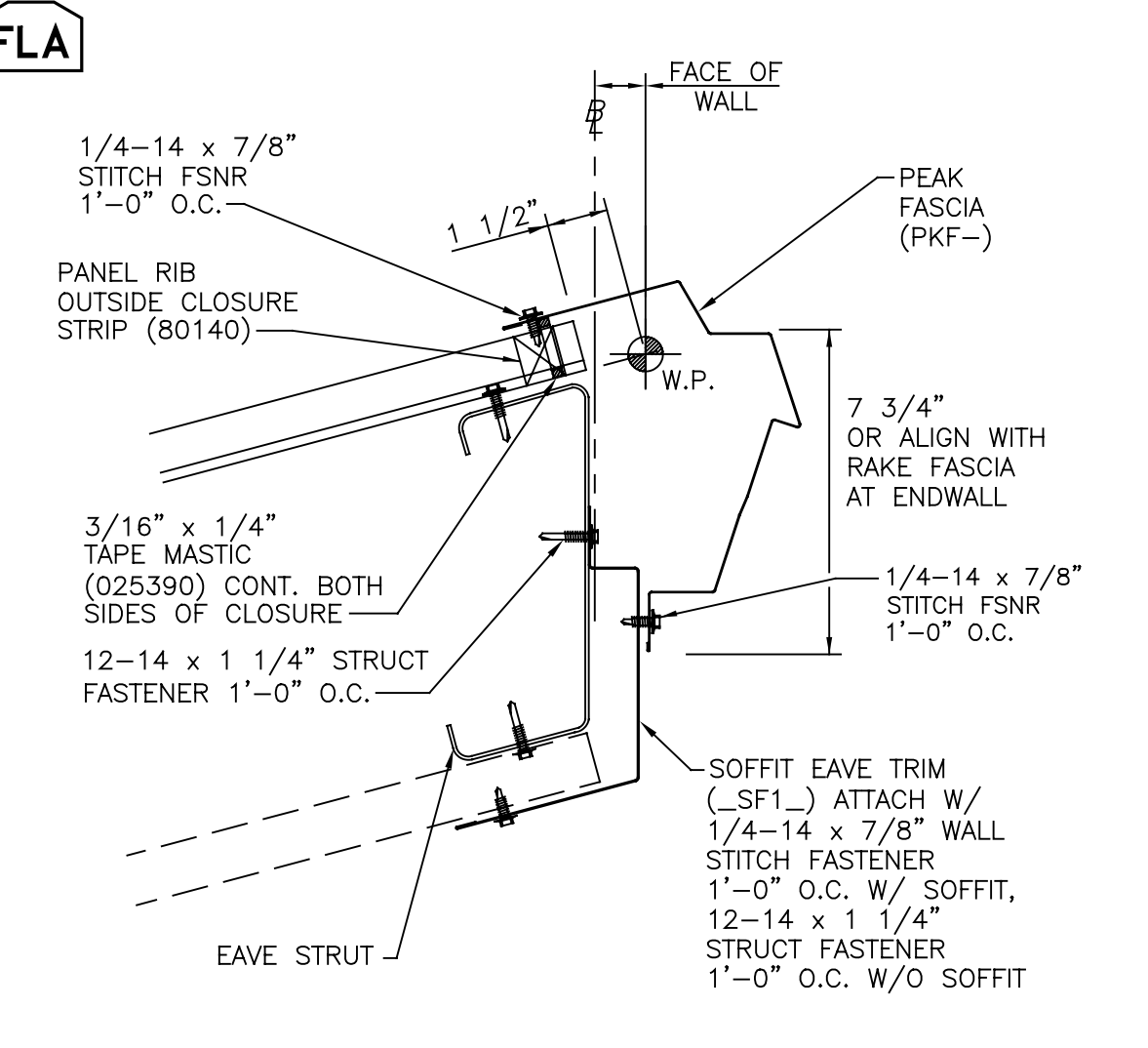
REV. DATE: 09/15/22 REV. NO. 00
RC38R2 DOWNSPOUT ASSEMBLY
ALL SYSTEM (OPEN WALLS)



REV. DATE: 09/18/19 REV. NO. 04
RC39A2 PANEL RIB GUTTER STRAP ATTACHMENT



REV. DATE: 04/19/22 REV. NO. 03
RC61B6 PR EAVE GUTTER EXPANSION JOINT
FOR BUILDING OVER 160' IN LENGTH



REV. DATE: 06/26/19 REV. NO. 02
RCV018 PANEL RIB ROOF HIGH EAVE TRIM
AT OPEN WALL OR RAKE EXT. AT WALL

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REV	DATE	BY	DESCRIPTION

VP Buildings
3200 Players Club Circle Memphis TN 38125

NTS

5/24/2024 SEDSheet 13:22:05

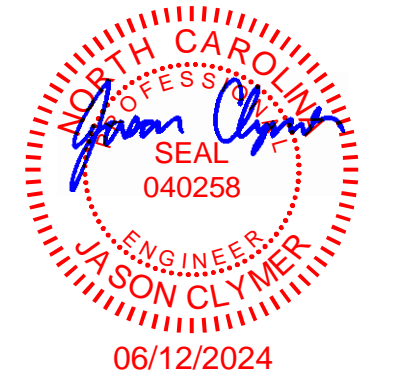
FOR CONSTRUCTION

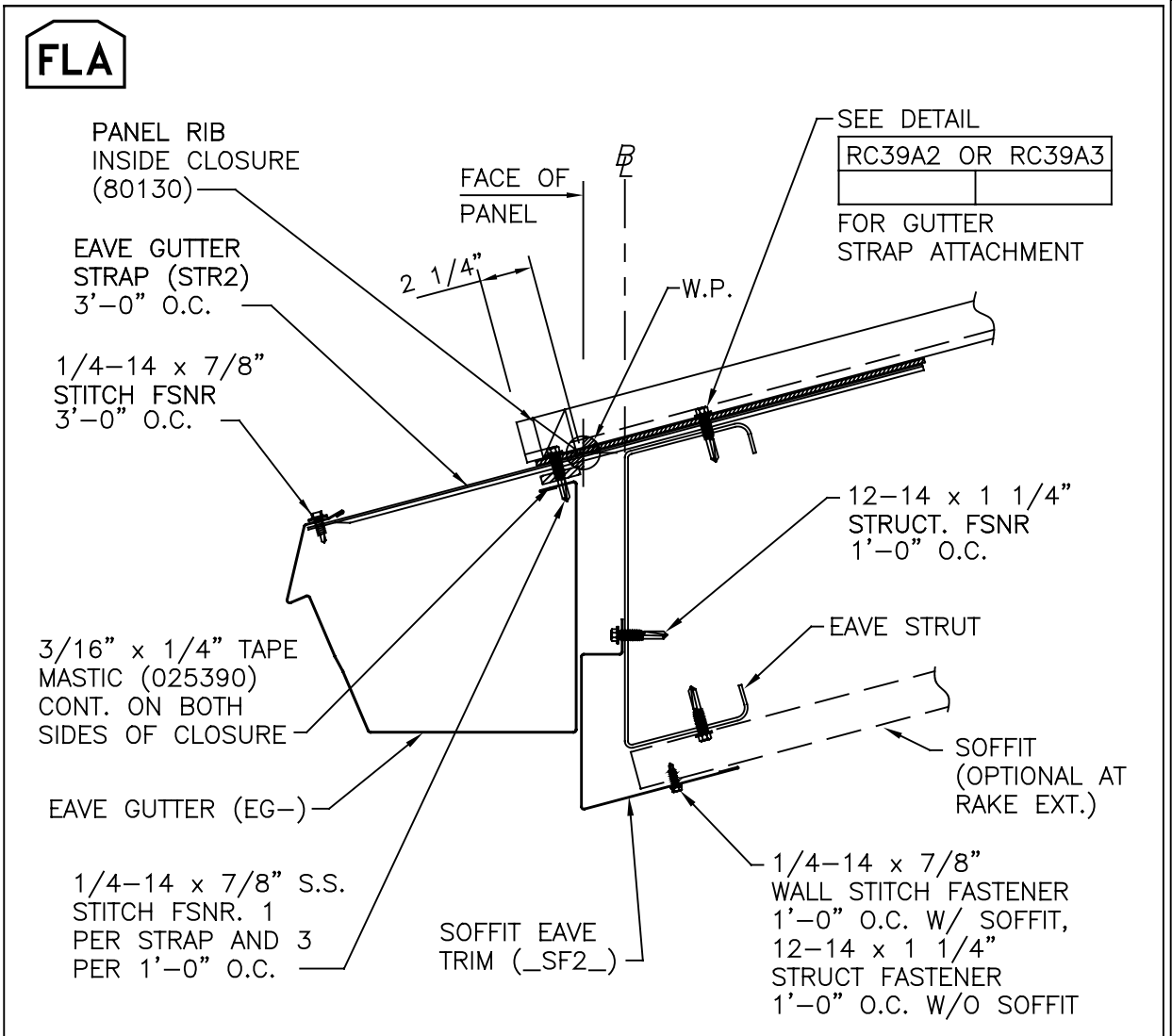
COVERING & TRIM SED'S (a)

BUILDER	Lemartec Corporation	JOBNO	24-008562
CUSTOMER	Duke Energy	DATE	06/13/2024
LOCATION	Dunn, North Carolina	DRAWN/CHECK	MRS FCJ
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	PAGE	32
BUILDERS PO#	23068 - Vehicle_R1	VP VERSION:	24.1.1
FILENAME:	Duke Energy - Vehicle and Trailer Shelter		

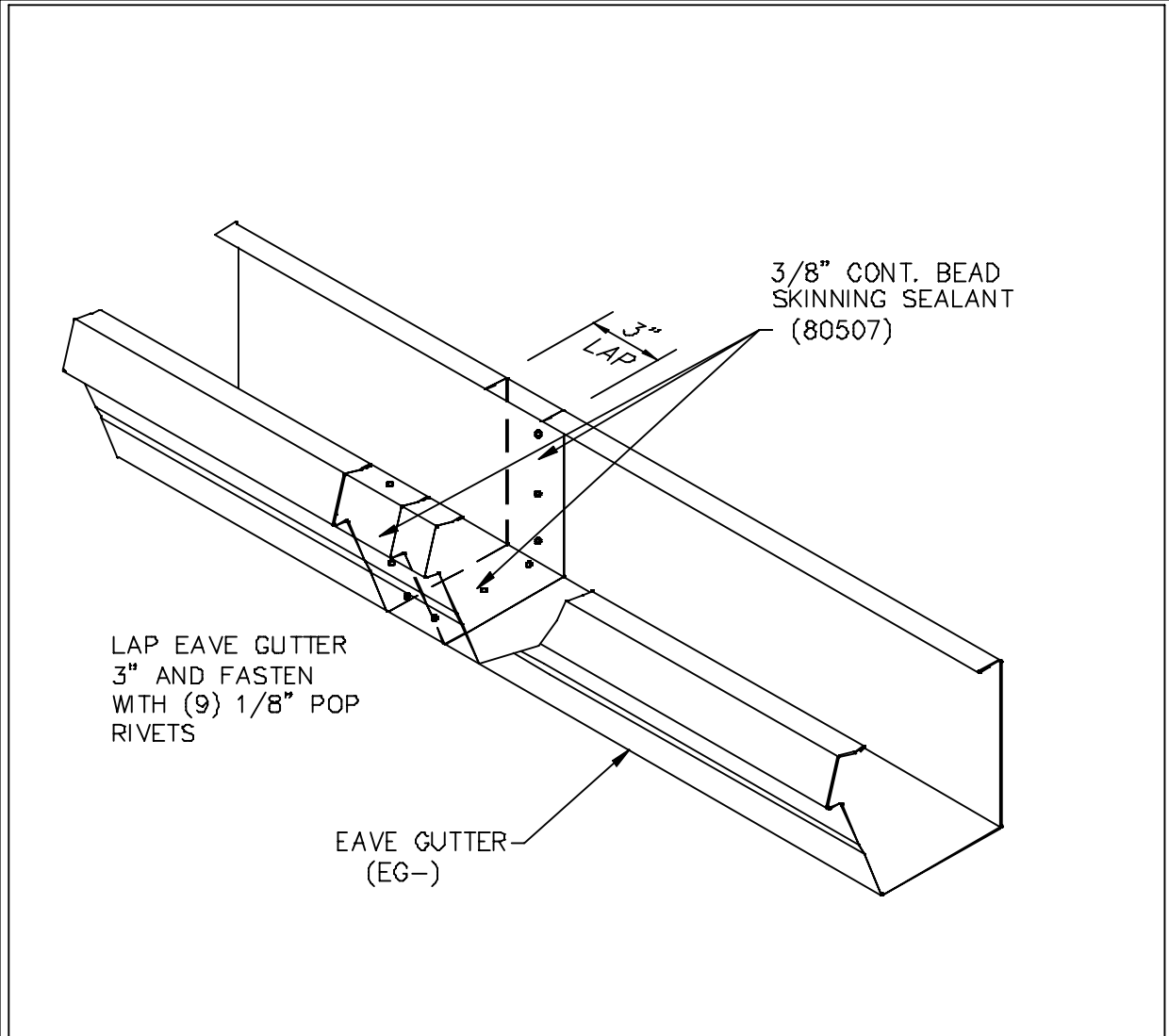
VP BUILDINGS
VARCO PRUDEN
A BlueScope Steel Company

BlueScope Buildings North America, Inc.

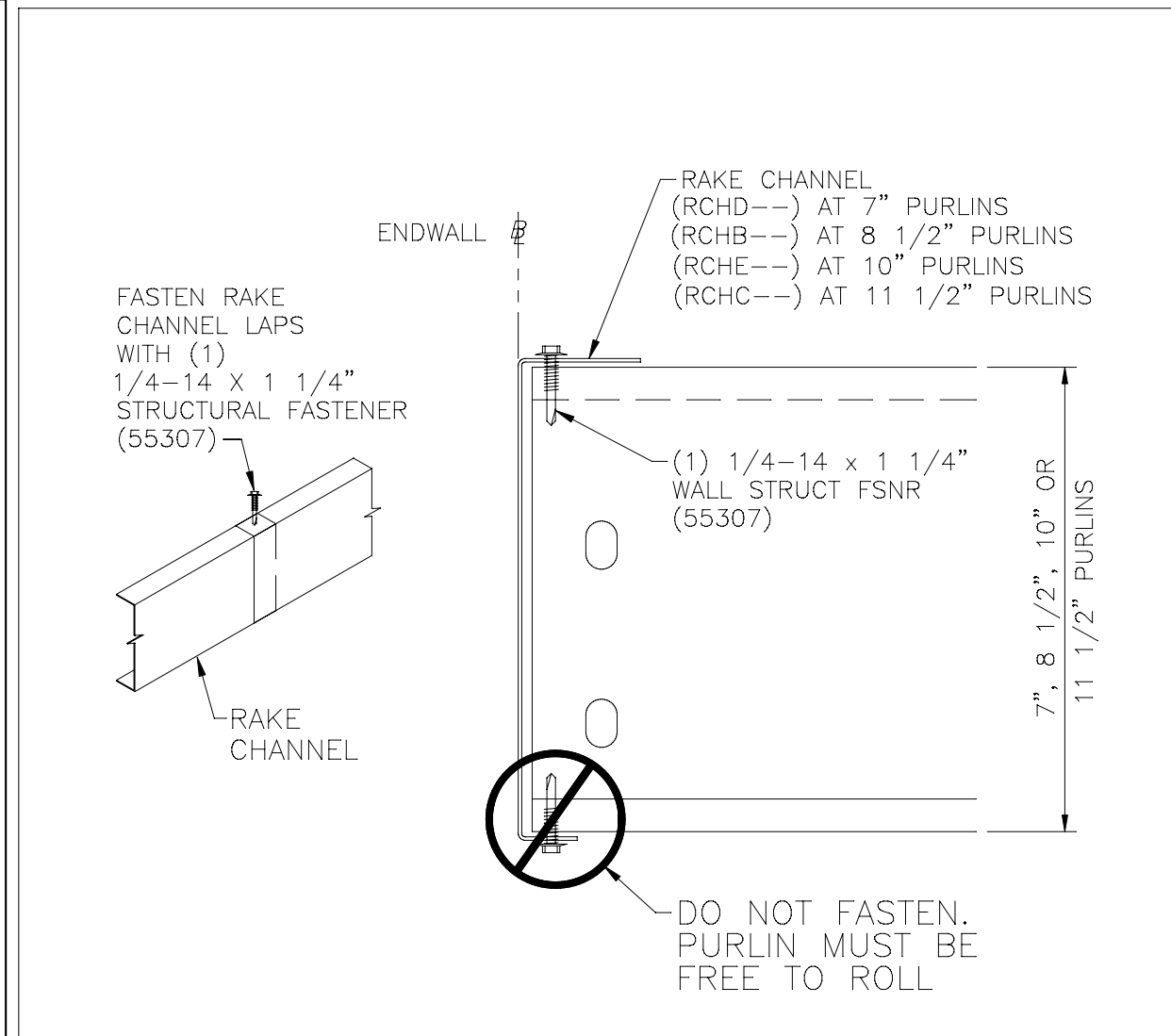




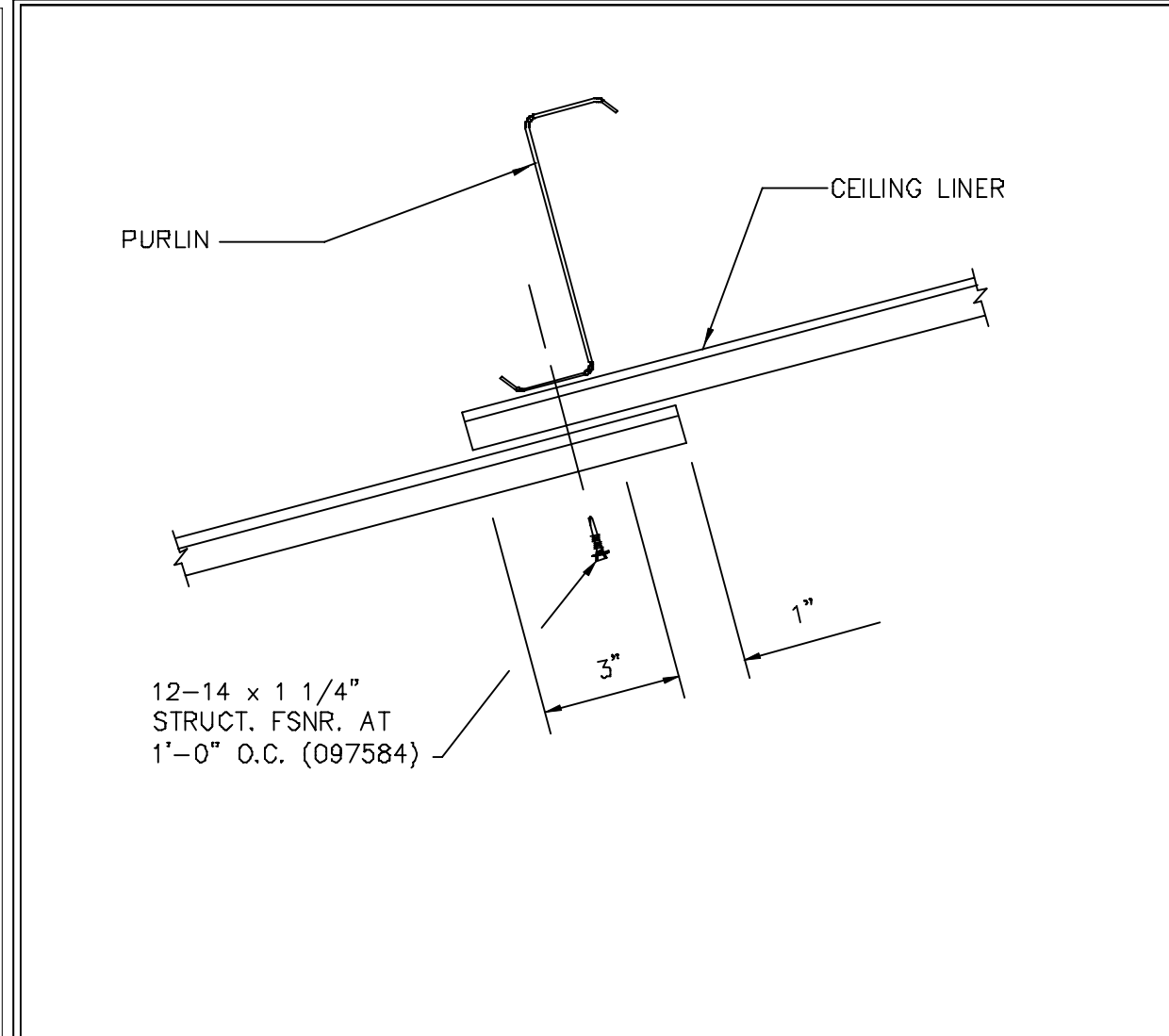
REV. DATE: 04/19/22 | REV. NO. 02
 RCV047
 PANEL RIB ROOF W/ EAVE GUTTER AT OPEN WALL OR RAKE EXT. AT WALL



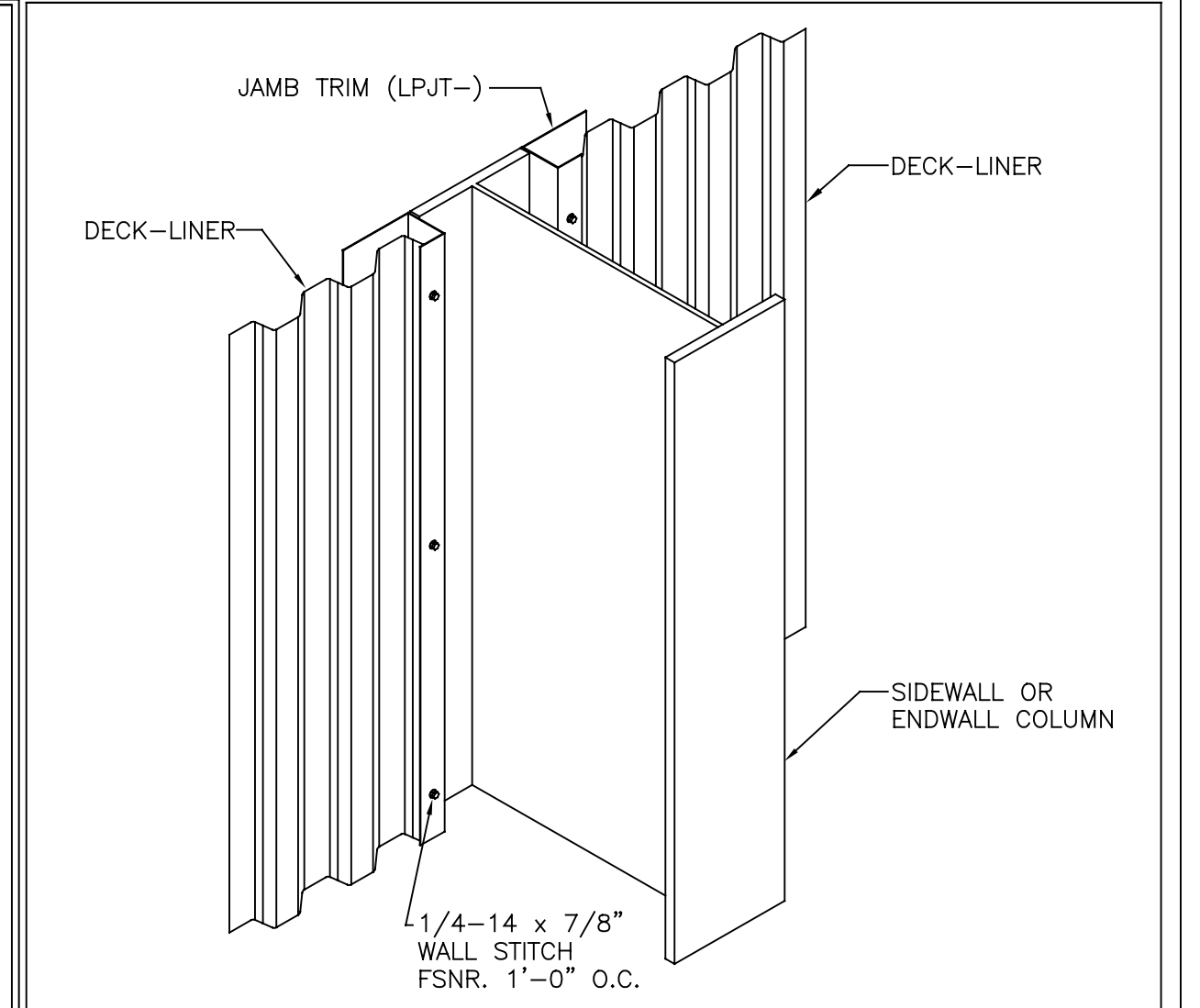
REV. DATE: 03/03/15 | REV. NO. 00
 RCV324
 TRIM SPLICES EAVE GUTTER SPLICE



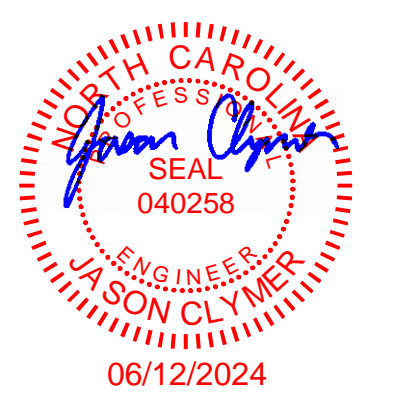
REV. DATE: 08/17/23 | REV. NO. 01
 RS10R1
 PR ROOF RAKE CHANNEL TO PURLIN ALL PURLIN DEPTHS (ALL WALL PANEL)



REV. DATE: 04/09/13 | REV. NO. 02
 WC61ED
 CEILING LINER PANEL LAP



REV. DATE: 10/28/19 | REV. NO. 00
 WLVO15
 DECK-LINER PANEL ATTACHMENT TRIM AT COLUMN; OUTSET WALL



FOR CONSTRUCTION

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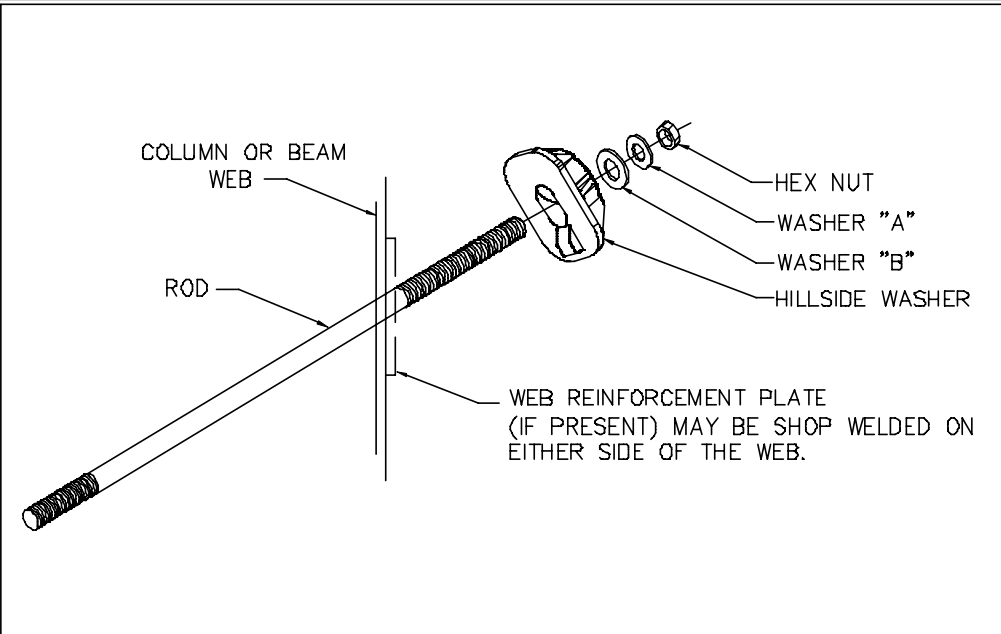
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REV	DATE	BY	DESCRIPTION
D			VP Buildings 3200 Players Club Circle Memphis TN 38125

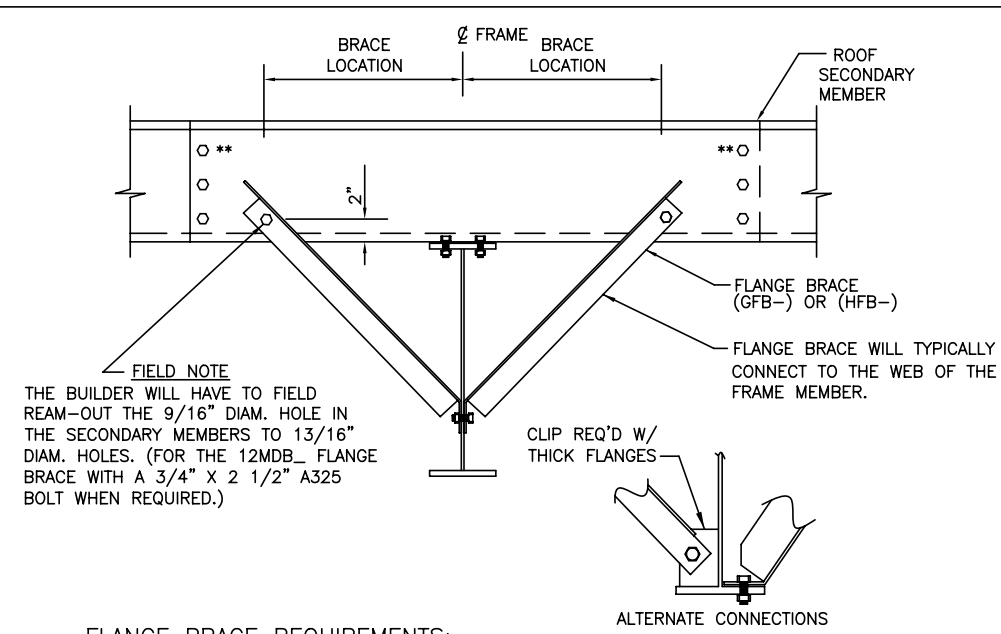
COVERING & TRIM SED'S (b)	
BUILDER	Lemartec Corporation
CUSTOMER	Duke Energy
LOCATION	Dunn, North Carolina
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter
BUILDERS PO#	23068 - Vehicle_R1
VP BUILDINGS	VARCO PRUDEN A BlueScope Steel Company
VP VERSION	24.1.1
FILENAME	Duke Energy - Vehicle and Trailer Shelter - R1

JOBNO	24-008562
DATE	06/13/2024
DRAWN/CHECK	MRS FCJ
PAGE	33



DESCRIPTION / PART NO				
ROD DIAM	NUT	HARD STEEL ROUND WASHER A	HARD STEEL WASHER B	HILLSIDE WASHER
3/8"	95221	3/8" FLAT WASHER (95408)	1/2" BEVEL SQUARE WASHER (46040)	
1/2"	95230	1/2" FLAT WASHER (95872)	3/4" FLAT ROUND WASHER (95946)	543334
5/8"	95233	5/8" FLAT WASHER (95845)		
3/4"	95235	3/4" FLAT WASHER (95946)	1" FLAT ROUND WASHER (95948)	543335
7/8"	95237	7/8" FLAT WASHER (95947)		
1"	95238	1" FLAT WASHER (95948)		
1 1/8"	95239	1 1/8" FLAT WASHER (95949)	1 1/8" FLAT ROUND WASHER (95948)	543336

REV. DATE: 05/02/17	REV. NO. 04	ROD BRACE WEB SLOT ASSEMBLY
BR01G2		



FLANGE BRACE REQUIREMENTS:

RULE#1- ALL FLANGE BRACES ON CROSS SECTIONS MUST BE INSTALLED.

RULE#2- SINGLE FLANGE BRACES ARE REQUIRED WHEN PART MARK ON CROSS SECTION IS NOT ACCOMPANIED BY (2).

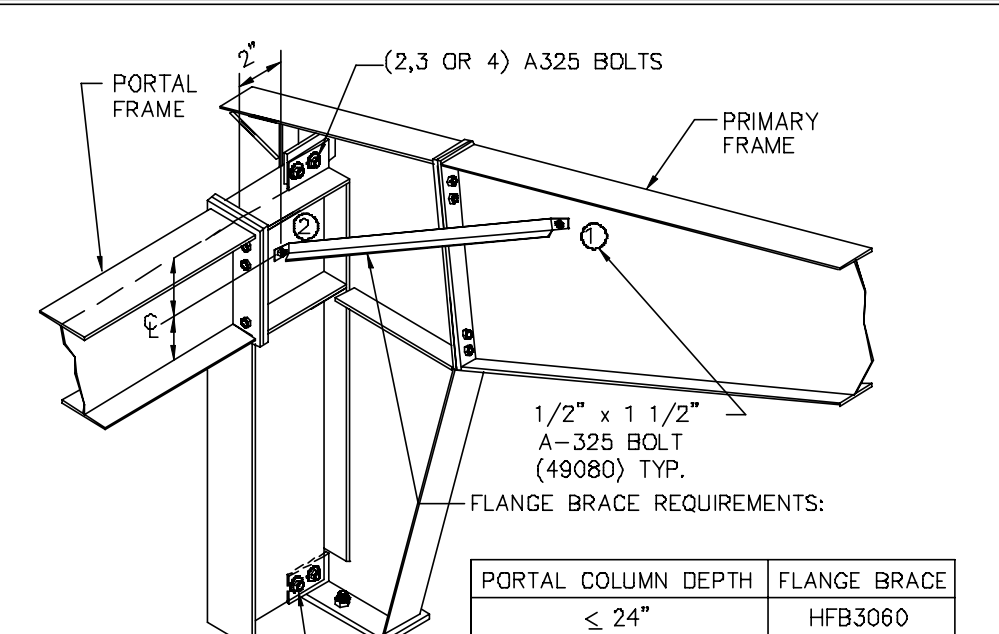
RULE#3- FLANGE BRACES ARE REQUIRED BOTH SIDES OF THE FRAME WEB WHEN PART MARK IS ACCOMPANIED BY (2).

RULE#4- WHENEVER POSSIBLE, PLACE SINGLE BRACES TOWARD THE CENTER OF THE BUILDING.

RULE#5- WHENEVER POSSIBLE, PLACE ALL SINGLE BRACES ON THE SAME SIDE OF THE FRAME WEB.

** 10" & 11 1/2" PURLINS REQUIRE 3 BOLTS AT EACH END OF PURLIN LAP.

REV. DATE: 05/08/18	REV. NO. 02	TYPICAL FLANGE BRACE CONNECTIONS CONT. PURLIN LAP SHOWN, CONT. GIRT & SIMPLE PURLIN
BR06AE		



PORTAL COLUMN DEPTH	FLANGE BRACE
≤ 24"	HFB3060
> 24" & ≤ 36"	HFB4106
> 36"	HFB6032

REV. DATE: 03/17/18	REV. NO. 03	FLUSH PORTAL FRAME CONNECTION FLANGE BRACE CONNECTION AND LOCATION
BR12K1		

F = FEET G = GAGE
 I = INCHES O = OPERATION
 E = EIGHTHS C = FIN/COLOR

PANEL/COVERING
 W 1 3 1 1 7 2 6 1 K T D
 * F F I L E G G O C C C
 LENGTH CODE

INSULATION
 I B 1 3 0 1 0 3 6 0 3 0 W V
 ** F F F I I I I I I I E C C
 LENGTH WIDTH THK CODE

SECONDARY (STANDARD)
 O B Z 1 9 1 1 4 1 7 - - - -
 * * * F F I I E G G * * * * *

DEPTH | LENGTH | GAGE ADJUST.CODES
 SHAPE

SECONDARY (SPECIAL)
 O 0 1 0 8 2 1 9 1 1 4 1 7 - - -
 * * * * * F F I I E G G * * * * *

COUNTER DEPTH & LENGTH | GAGE ADJUST.CODES
 SHAPE

ROD BRACING
 O 3 R S 2 5 1 0
 I E * * F F I I
 DIA LENGTH

RS = THREADS BOTH ENDS
 RT = THREADS ONE END - CLEVIS ONE END
 RU = CLEVIS BOTH ENDS
 RP = THREAD BOTH ENDS - NO HILLSIDES

CX*** = COLUMN (PLATE)
 CGX*** = COLUMN (GAGE)
 WCX*** = COLUMN (HOTROLL)

RBX*** = RAFTER (PLATE)
 BCX*** = RAFTER (GAGE)
 WRX*** = RAFTER (HOTROLL)
 TRX*** = TRUSS RAFTER

ICX*** = INTERIOR COLUMN
 PCX*** = PIPE COLUMN
 TCX*** = TUBE COLUMN

EPX*** = ENDPOST (PLATE)
 EGX*** = ENDPOST (GAGE)

CBX*** = CANOPY (PLATE)
 CBX*** = PIGGYBACK CANOPY

DCC*** = 8 1/2" GAGE POST
 DCE*** = 10" GAGE POST

REV. DATE: 06/29/19	REV. NO. 01	MARK NUMBER KEY COMMON GENERATED MARK NUMBERS
EN50B1		

BASIC ERECTION GUIDE REQUIRED FOR THIS PROJECT:

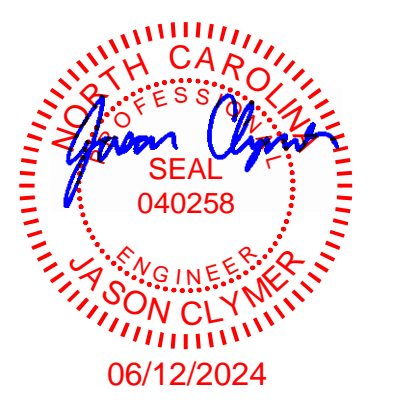
REFER TO:

VARCO PRUDEN BUILDINGS
 BASIC ERECTION GUIDE

The Field Guide for correctly storing and erecting Varco Pruden Metal Building Systems

BACK COVER: 4001 BASIC ERECTION GUIDE

REV. DATE: 01/26/14	REV. NO. 00	BASIC ERECTION GUIDE - STRUCTURAL
ENV002		



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 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.

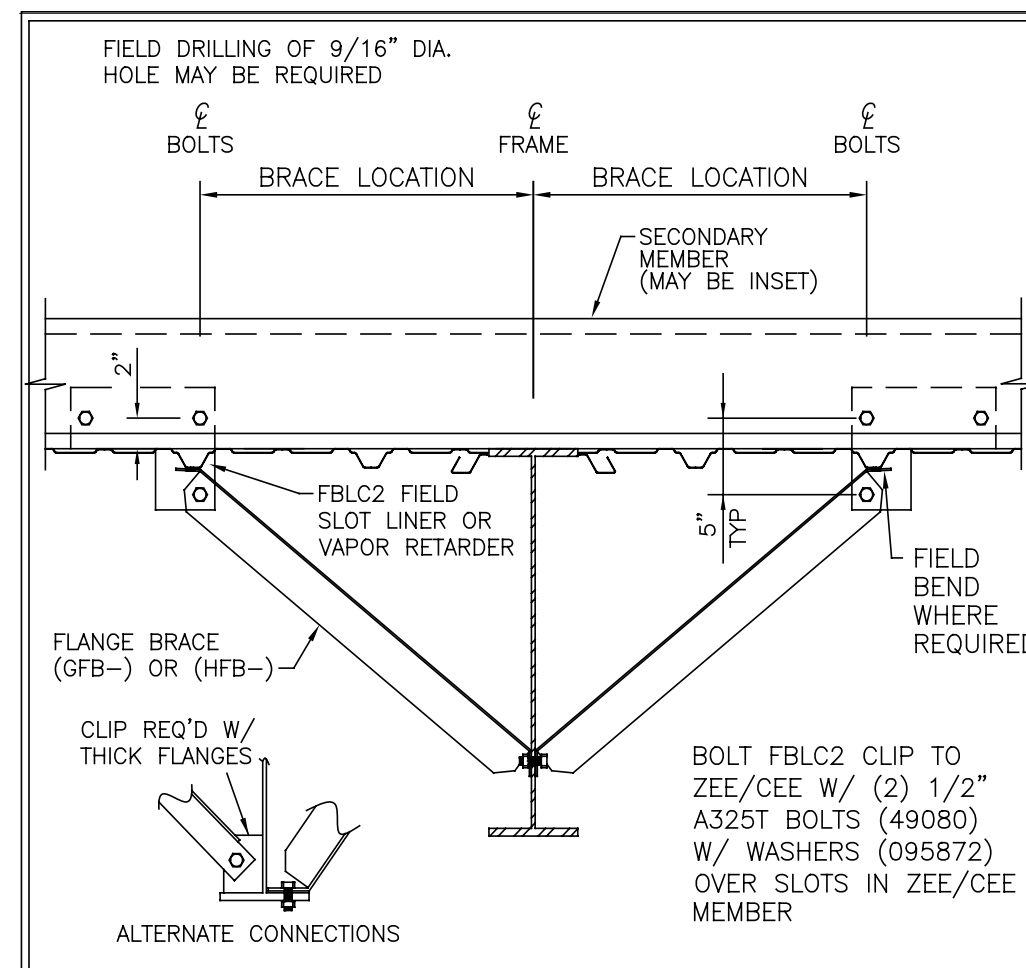
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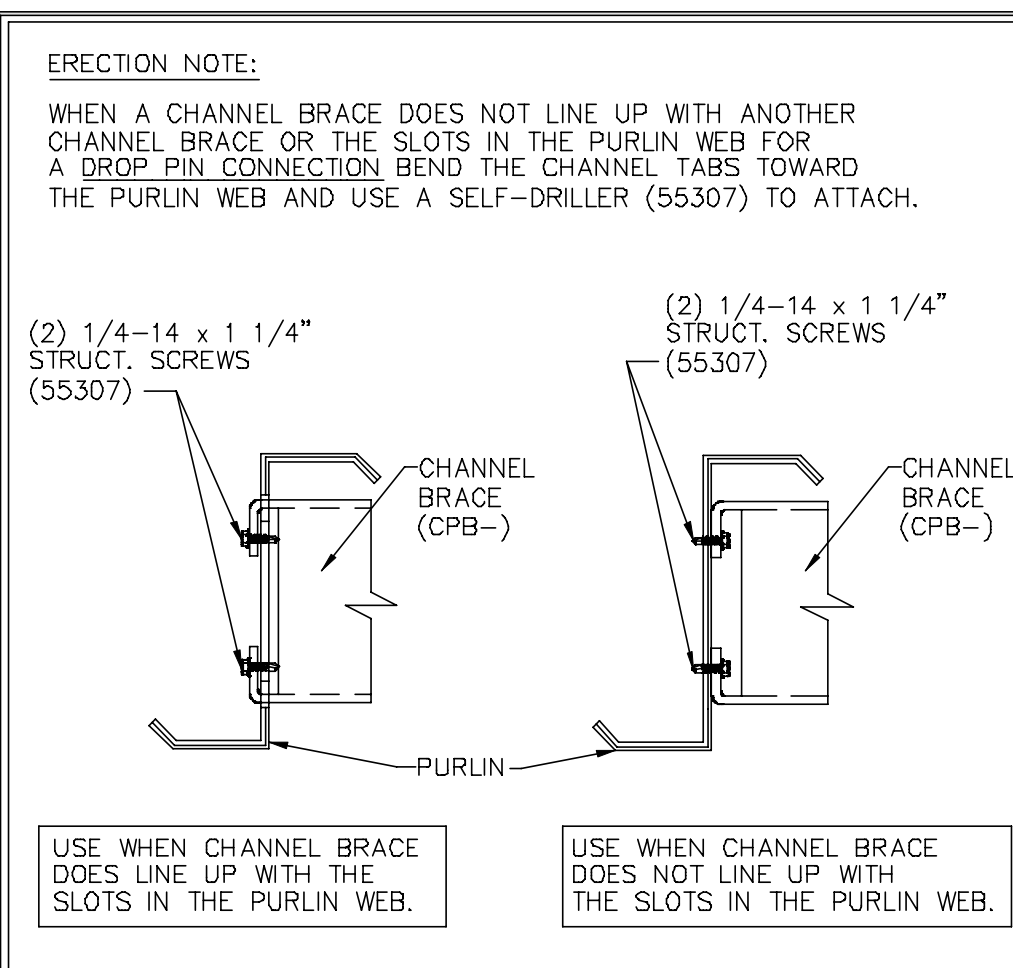
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D	VP Buildings	
	3200 Players Club Circle Memphis TN 38125	
	REV	DESCRIPTION
	DATE	BY
NTS		
5/24/2024 SEDSheet 13:22:08		

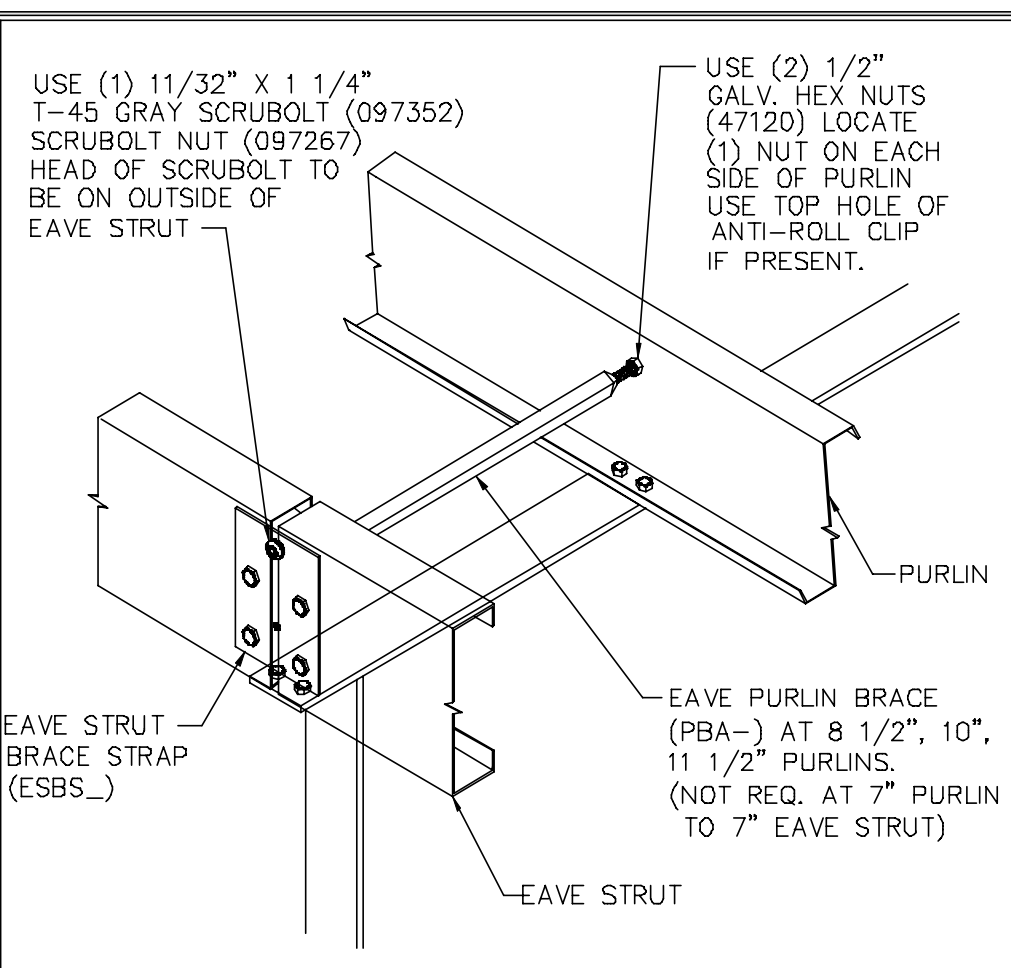
PRIMARY BRACING SED'S (b)			JOBNO 24-008562
BUILDER Lemartec Corporation	CUSTOMER Duke Energy		DATE 06/13/2024
LOCATION Dunn, North Carolina	PROJECT Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	DRAWN/CHECK MRS FCJ	PAGE 34
BUILDERS PO# 23068 - Vehicle_R1	VPC VERSION: 24.1.1	FILENAME: Duke Energy - Vehicle and Trailer Shelter - R1	



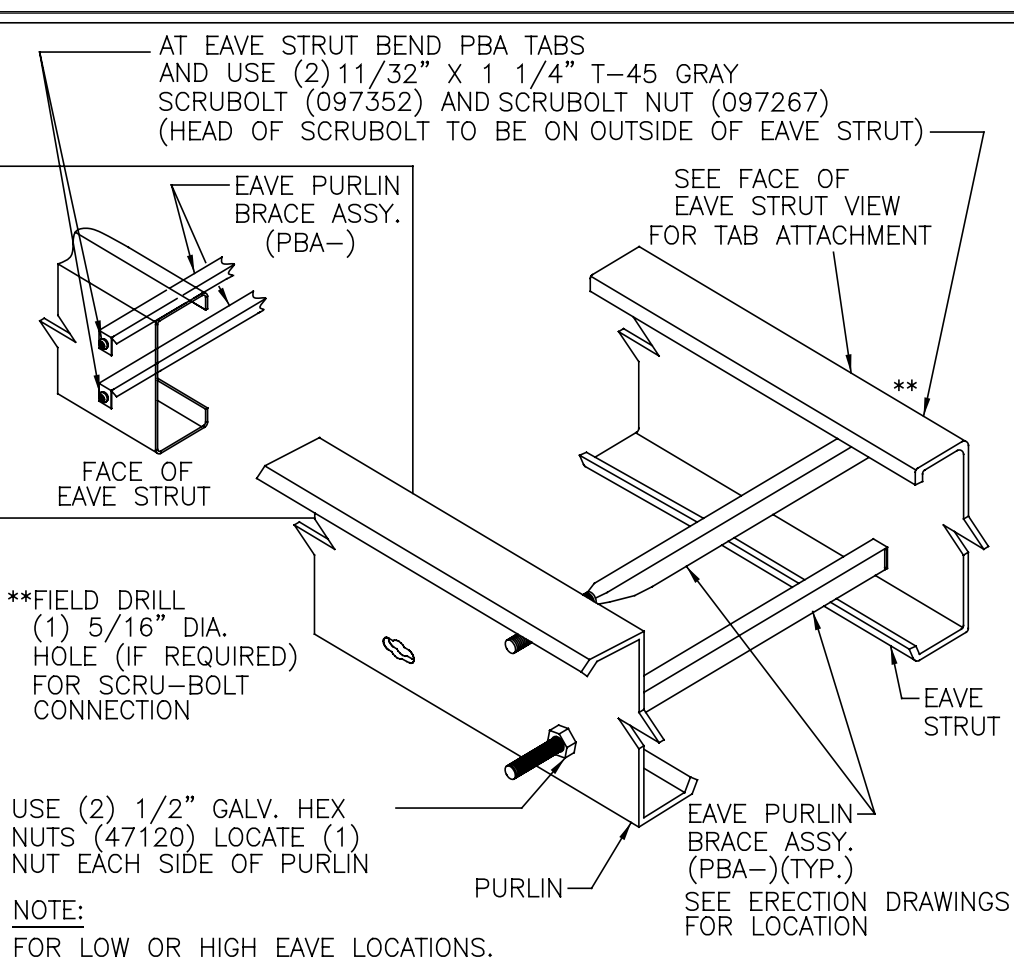
REV. DATE: 06/09/22 | REV. NO. 04
ROOF/WALL FLANGE BRACING
 PURLIN/GIRT WITH LINER OR INSUL. VAPOR RETARDER
 BR06J3



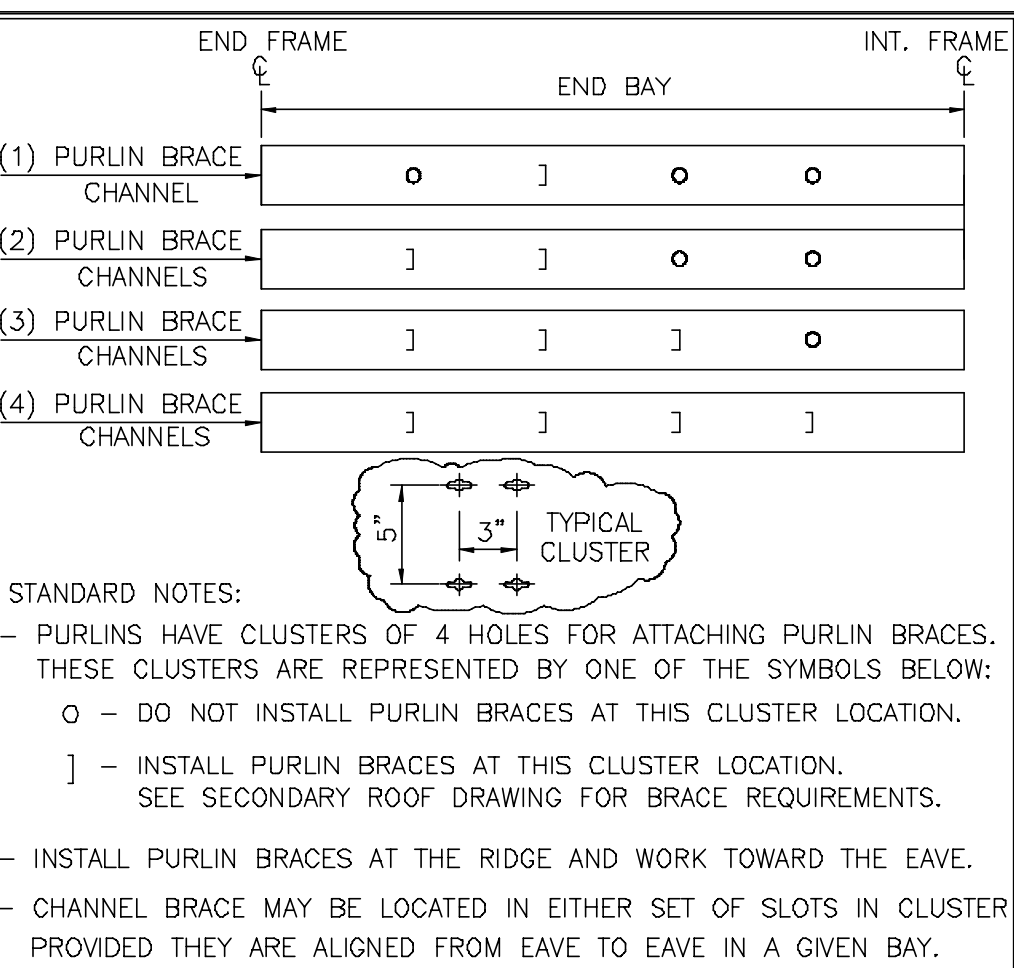
REV. DATE: 06/09/22 | REV. NO. 01
CHANNEL BRACE ENDING AT PURLIN WEB
 SELF-DRILLER WITH BENT TABS
 BR09JG



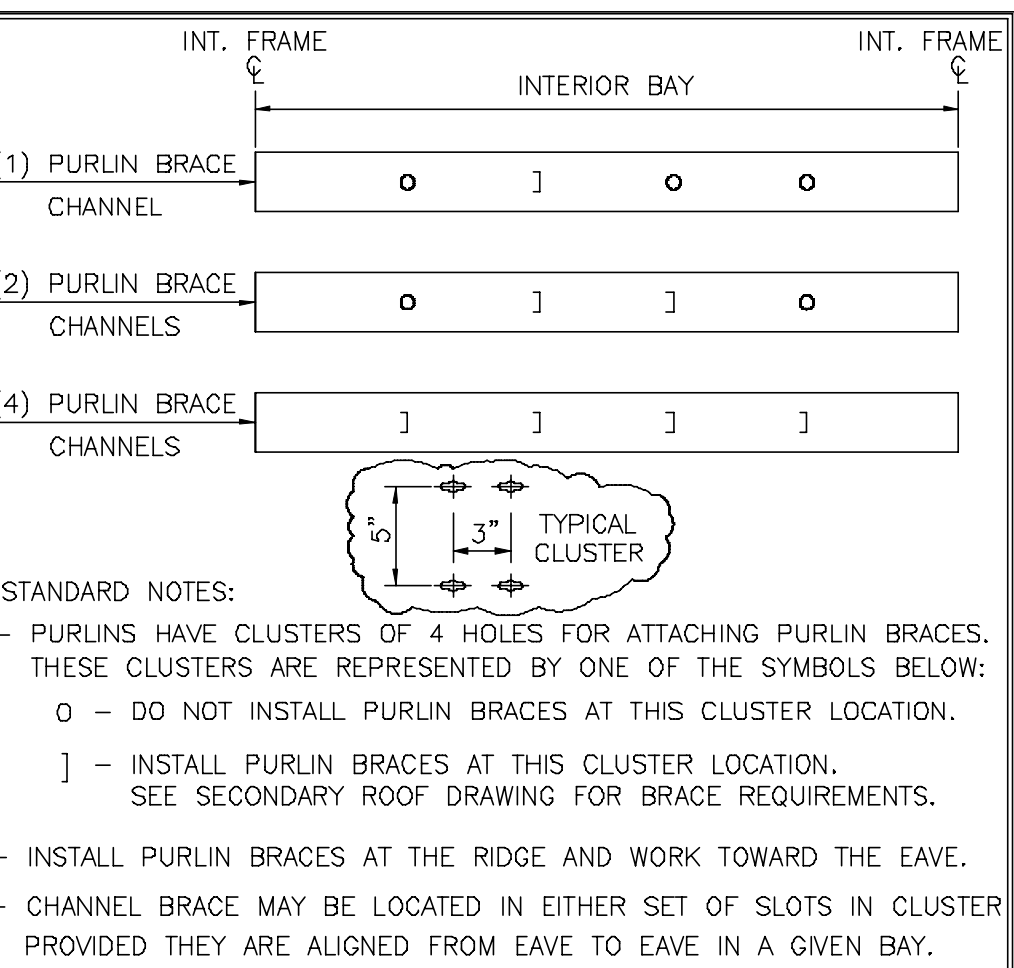
REV. DATE: 07/26/16 | REV. NO. 08
EAVE BRACE STRAP AND EAVE PURLIN BRACE
 LOCATED AT EAVE - CENTERLINE OF FRAME
 BR09K2



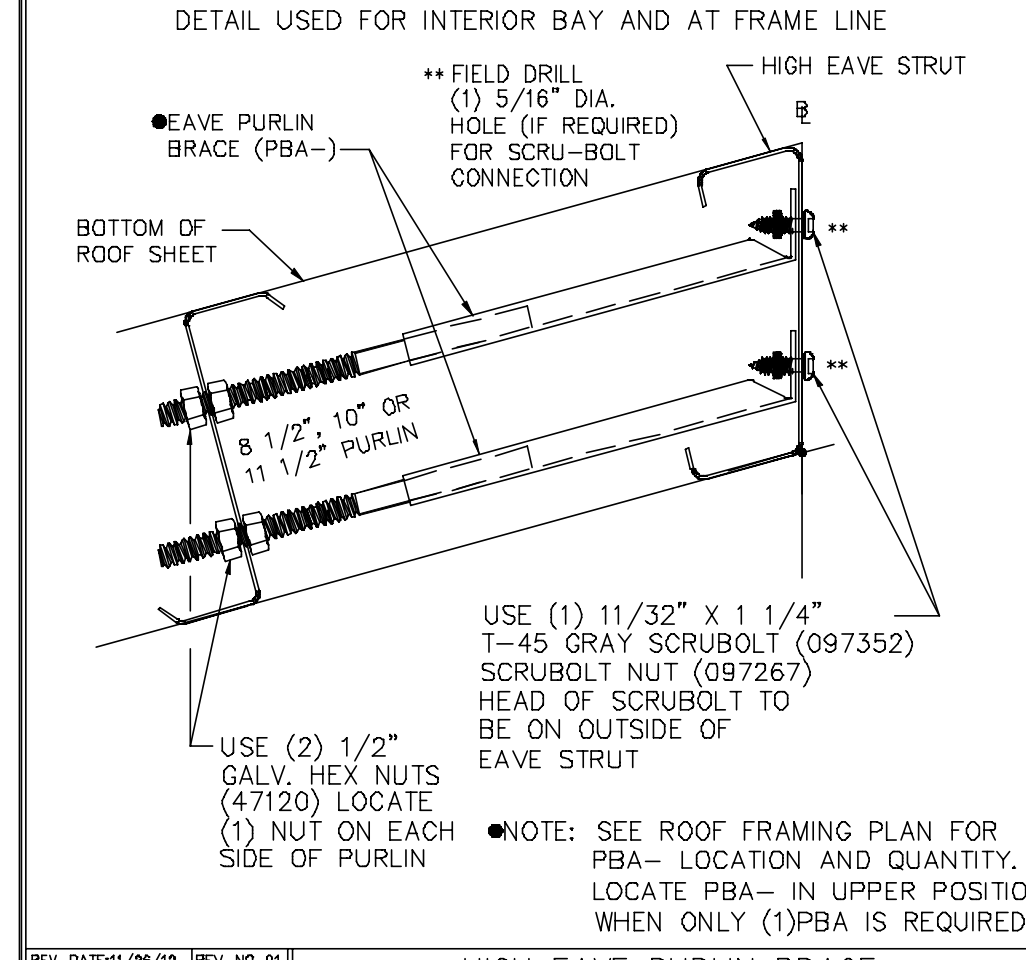
REV. DATE: 02/22/22 | REV. NO. 05
EAVE STRUT BRACE
 BR09K5



REV. DATE: 07/01/09 | REV. NO. 00
PURLIN BRACE CLUSTER LOCATION
 END BAY CHANNEL LOCATION
 BR09RY



REV. DATE: 07/01/09 | REV. NO. 00
PURLIN BRACE CLUSTER LOCATION
 INTERIOR BAY CHANNEL LOCATION
 BR09RZ



REV. DATE: 01/26/19 | REV. NO. 01
HIGH EAVE PURLIN BRACE
 ALL WALL PANEL TYPE
 BR09W2

DETAIL USED FOR INTERIOR BAY AND AT FRAME LINE

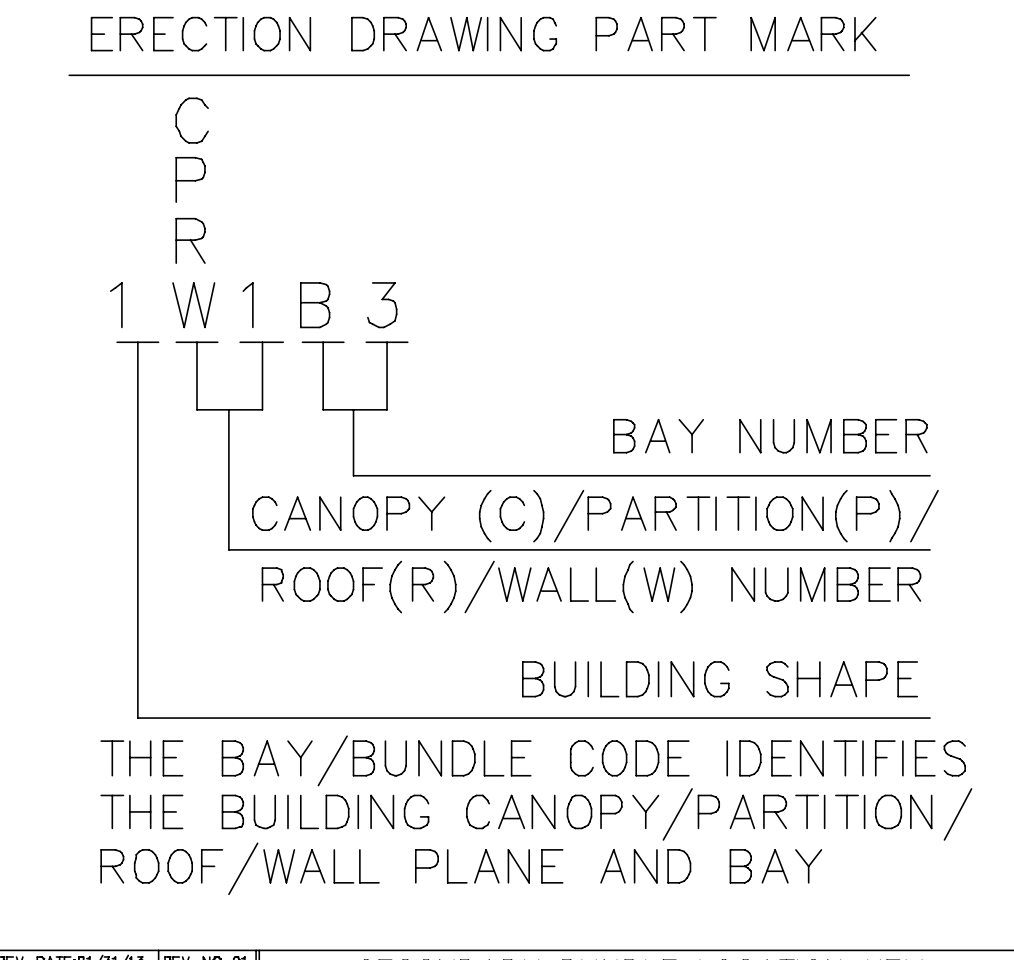
DEPTH	SHAPE	GAGE
07 = 7"	Z = ZEE	11 = 0.113
08 = 8 1/2"	C = CEE	12 = 0.098
10 = 10"	E = LOW EAVE STRUT	13 = 0.088
11 = 11 1/2"	H = HIGH EAVE STRUT	14 = 0.079
		15 = 0.073
		16 = 0.068
		17 = 0.060

REV. DATE: 07/01/09 | REV. NO. 00
SECONDARY PART MARK NUMBER
 COMMON GENERATED MARK NUMBERS
 EN51B1

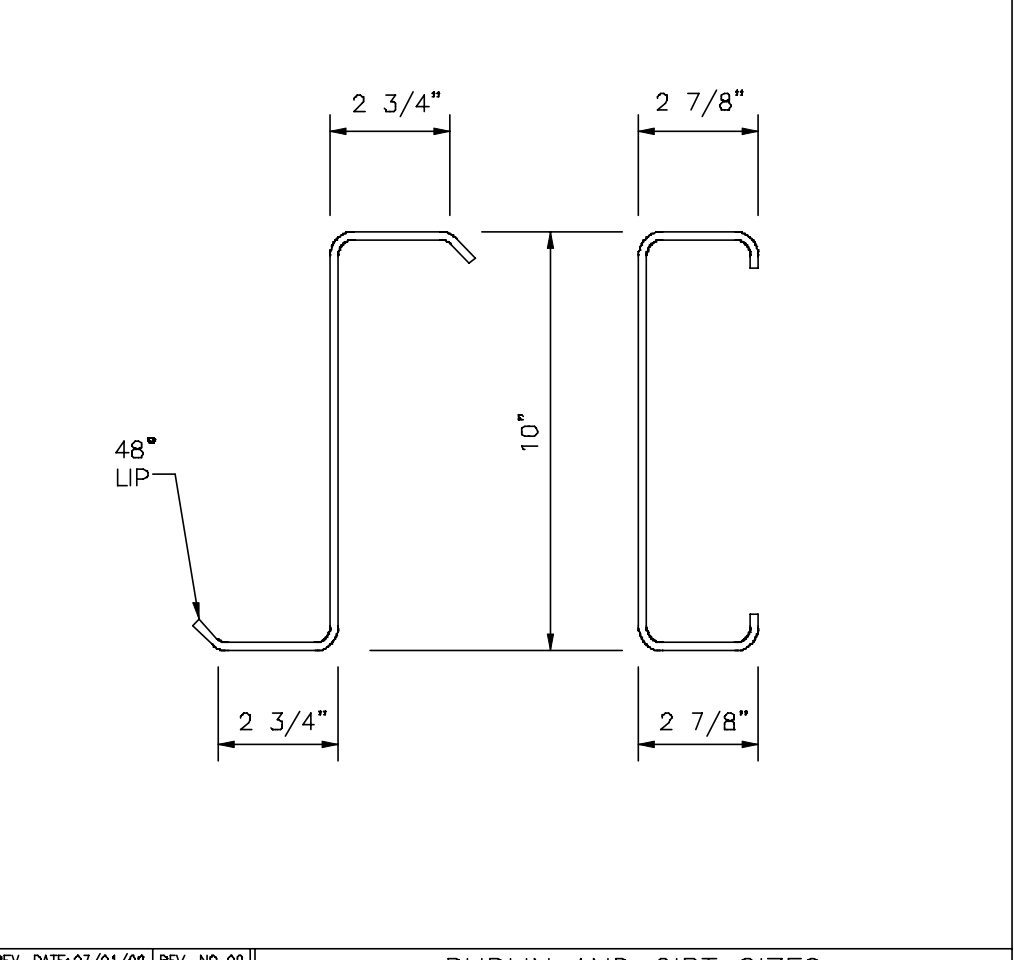
ERECTION DRAWING PART MARK

DEPTH	SHAPE	GAGE
07 = 7"	ZS = ZEE	11 = 0.113
08 = 8 1/2"	CS = CEE	12 = 0.098
10 = 10"	ES = LOW EAVE STRUT	13 = 0.088
	HS = HIGH EAVE STRUT	14 = 0.079
	BB = BACK TO BACK CEE	15 = 0.073
	FB = FACE TO BACK CEE	16 = 0.068
	FF = FACE TO FACE CEE	17 = 0.060

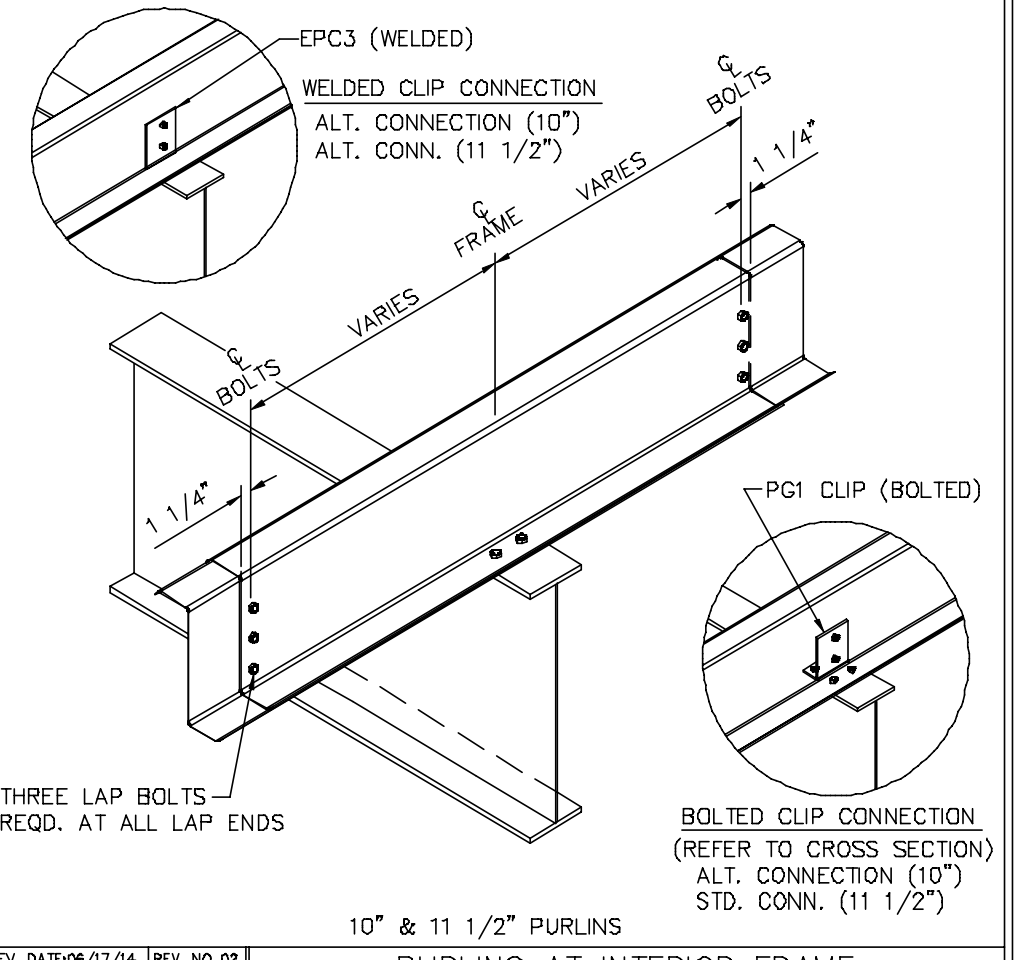
REV. DATE: 07/01/09 | REV. NO. 00
SPECIAL SECONDARY PART MARK KEY
 COMMON GENERATED MARK NUMBERS
 EN51B2



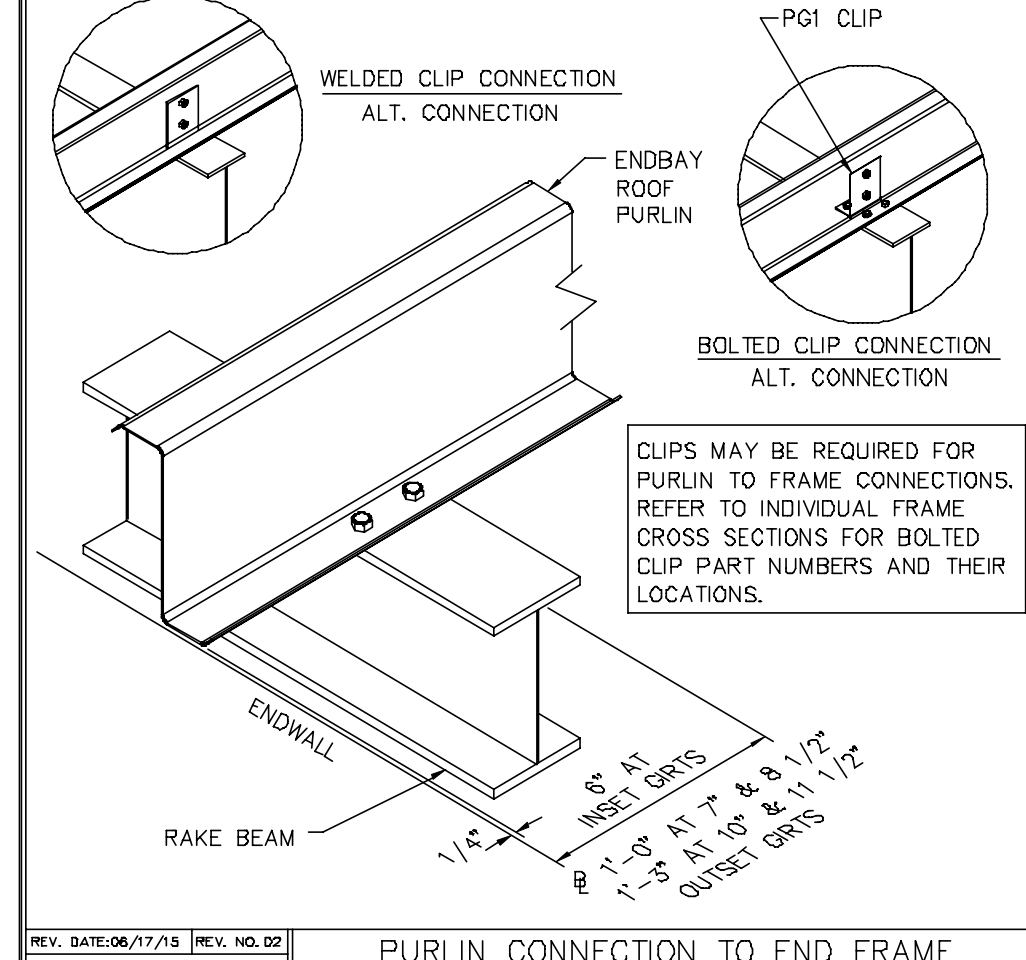
REV. DATE: 01/21/13 | REV. NO. 01
SECONDARY BUNDLE LOCATION KEY
 ALL SECONDARY DEPTHS
 EN51B3



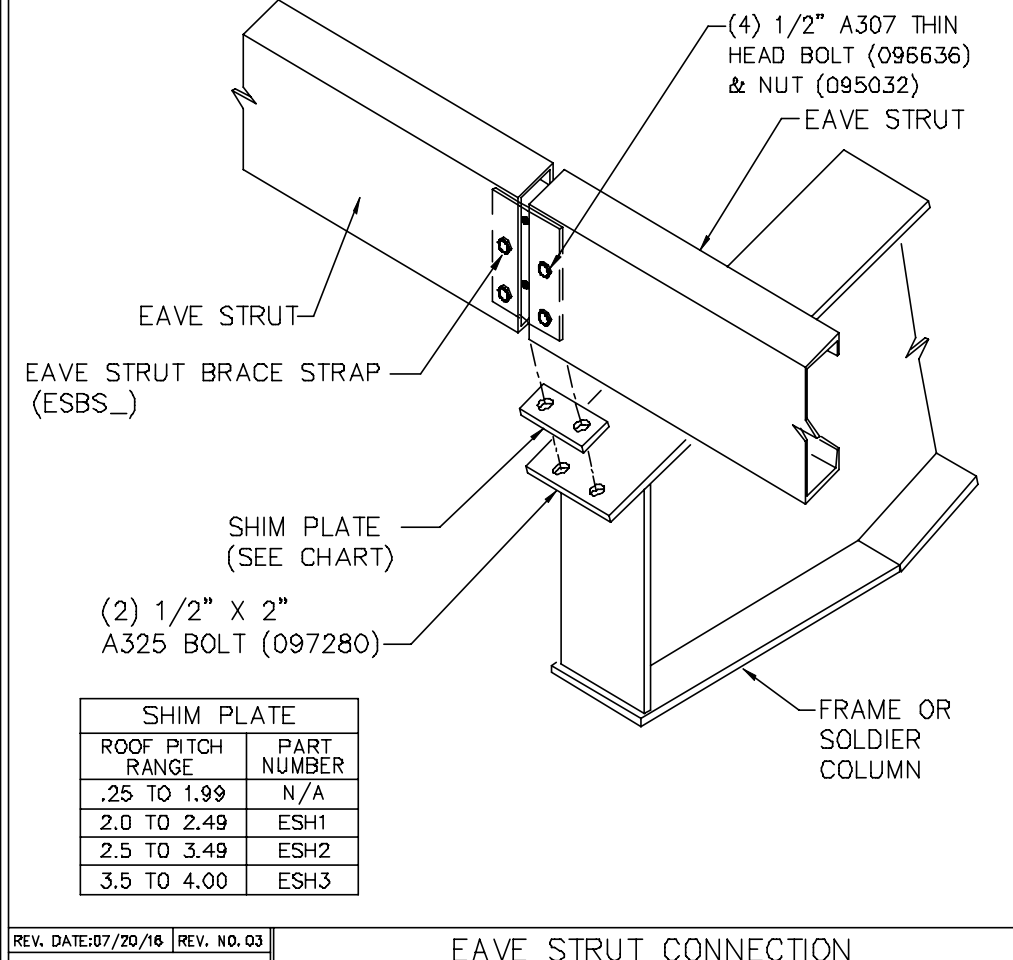
REV. DATE: 01/01/08 | REV. NO. 00
PURLIN AND GIRTS SIZES
 10" x 254mm
 EN53G1



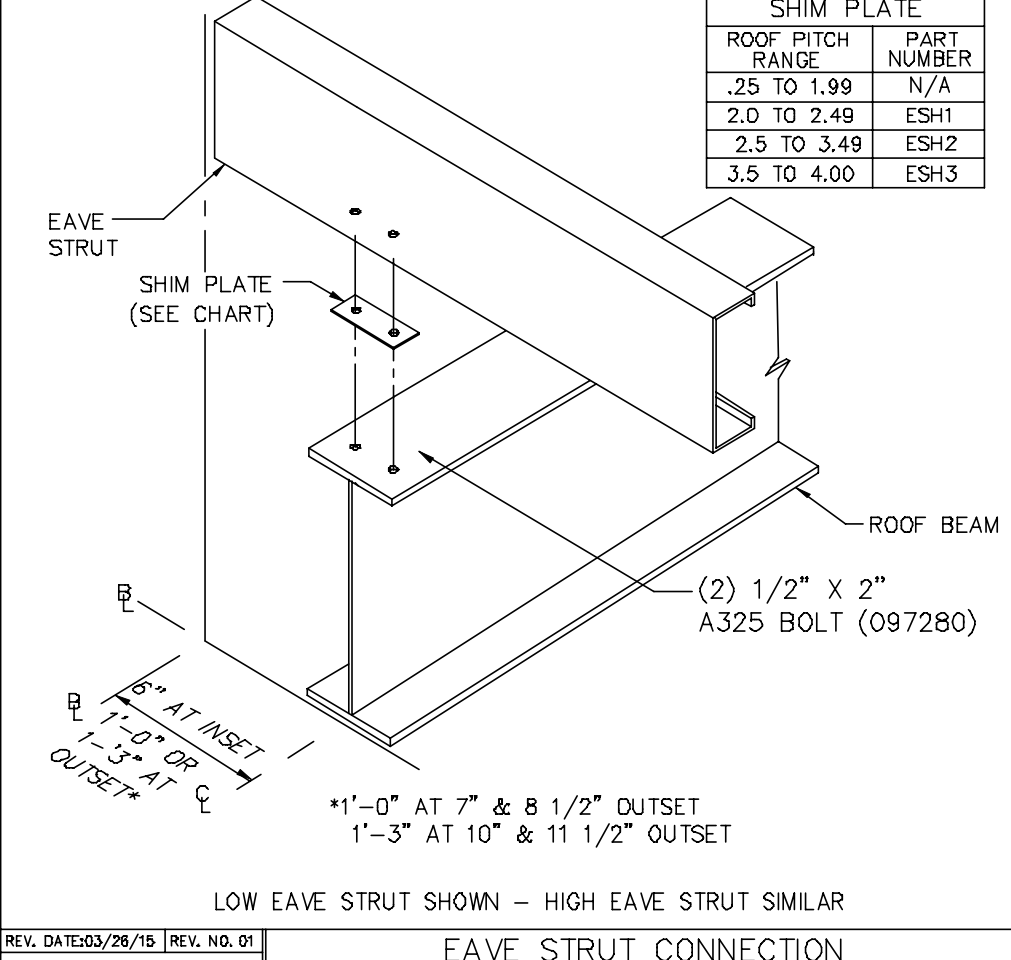
REV. DATE: 06/17/14 | REV. NO. 02
PURLINS AT INTERIOR FRAME
 CONTINUOUS PURLINS
 RS01U1



REV. DATE: 06/17/14 | REV. NO. 02
PURLIN CONNECTION TO END FRAME
 CONTINUOUS PURLINS
 RS02T1



REV. DATE: 07/26/16 | REV. NO. 03
EAVE STRUT CONNECTION
 AT INTERIOR FRAME
 RS12PA



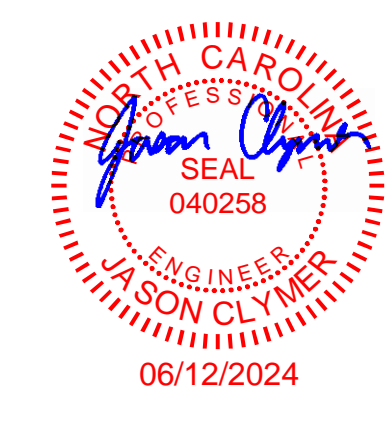
REV. DATE: 03/26/15 | REV. NO. 01
EAVE STRUT CONNECTION
 AT END FRAME
 RS12PH

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 CONNECTIONS.
 2. 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.
 3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

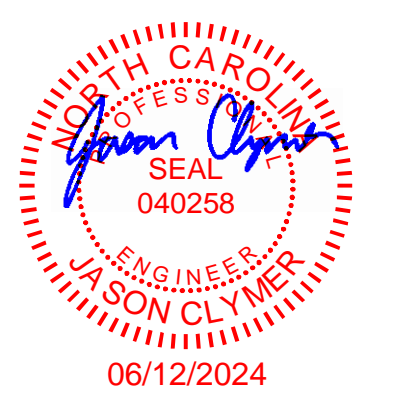
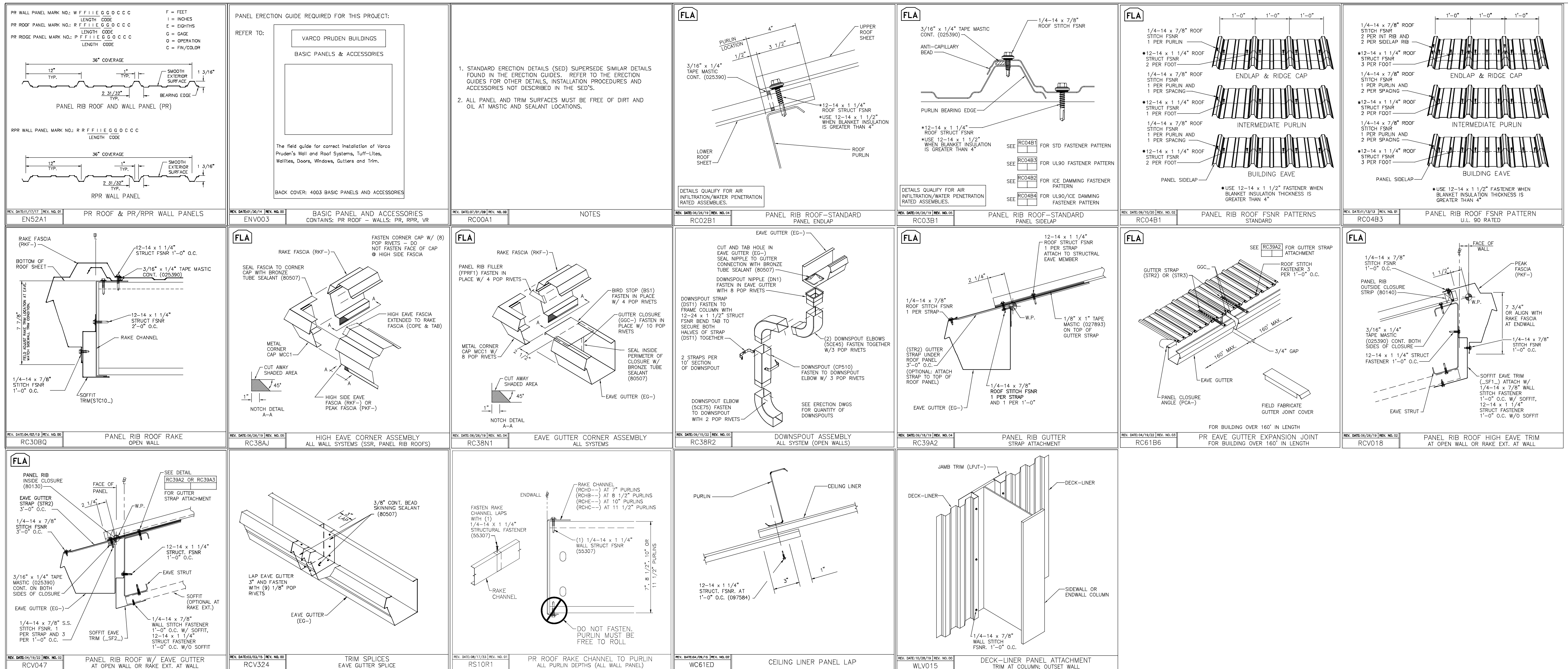
THE VP ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF VP AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY VP. THE VP ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY VP EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY VP.

THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF VP BUILDINGS. 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 VP BUILDINGS.
 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, ALL APPLICABLE VP BUILDINGS ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D	VP Buildings				BUILDER	Lemartec Corporation		JOBNO	24-008562		
	3200 Players Club Circle Memphis TN 38125					CUSTOMER	Duke Energy		DATE	06/13/2024	
REV	DATE	BY	DESCRIPTION	LOCATION	Dunn, North Carolina		PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter			
NTS				BUILDERS PO#	23068 - Vehicle_R1		VP VERSION:	24.1.1			
5/24/2024 SEDSheet 13:22:08				FILENAME:	Duke Energy - Vehicle and Trailer Shelter						



FOR CONSTRUCTION



FOR CONSTRUCTION

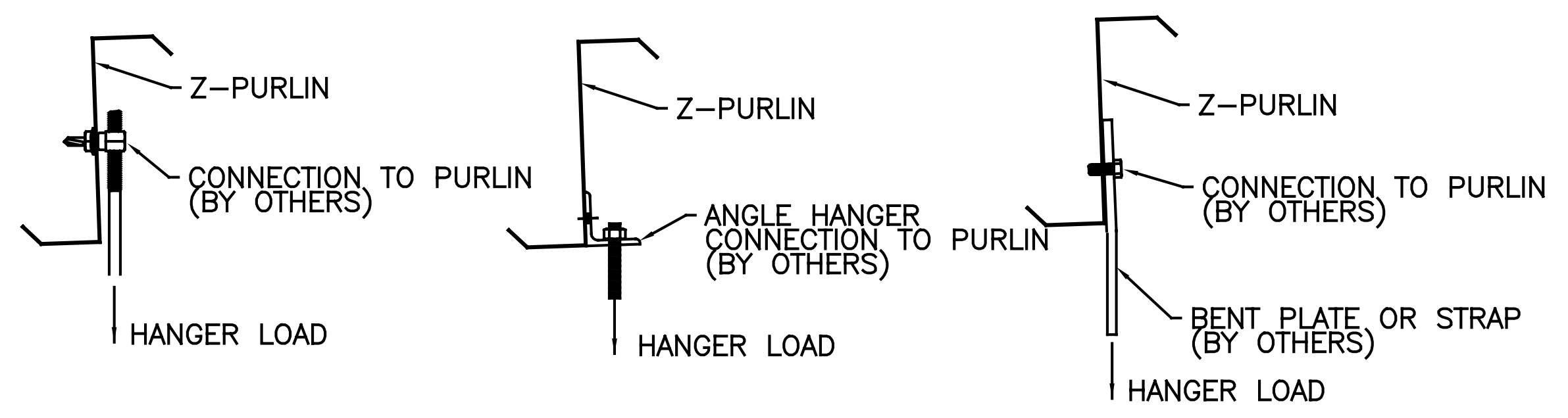
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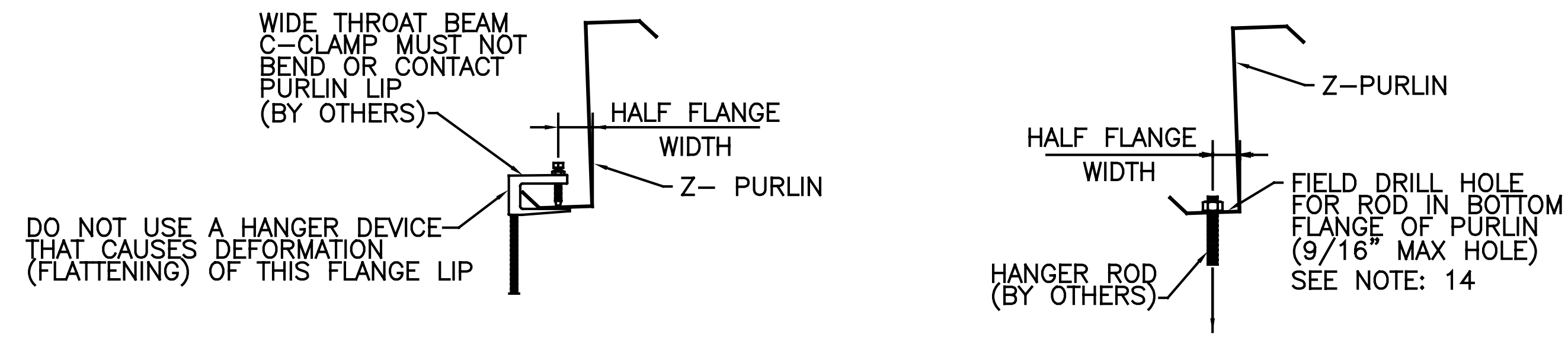
REV	DATE	BY	DESCRIPTION

VP Buildings 3200 Players Club Circle Memphis TN 38125		COVERING & TRIM SED'S (c)	
BUILDER	Lemartec Corporation	JOBNO	24-008562
CUSTOMER	Duke Energy	DATE	06/13/2024
LOCATION	Dunn, North Carolina	DRAWN/CHECK	MRS FCJ
PROJECT	Duke Energy Dunn Operations Center - Vehicle and Trailer Shelter	PAGE	36
BUILDERS PO#	23068 - Vehicle_R1	VP BUILDINGS	VP BUILDINGS
VP VERSION:	24.1.1	VARCO PRUDEN	VARCO PRUDEN
FILENAME:	Duke Energy - Vehicle and Trailer Shelter	A BlueScope Steel Company	A BlueScope Steel Company



WEB HANGERS

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

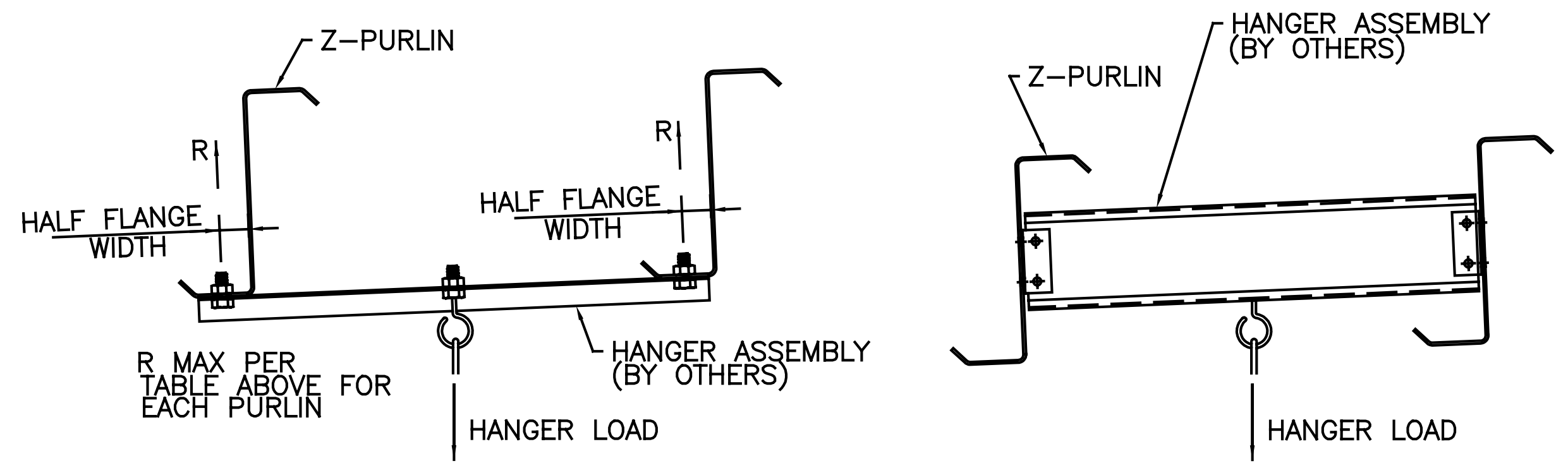
MAXIMUM LOAD SUSPENDED FROM BOTTOM FLANGE (LOCATED AT HALF-FLANGE WIDTH)			
THICKNESS	MAX LOAD	THICKNESS	MAX LOAD
0.060"	110lbs	0.088"	200lbs
0.068"	120lbs	0.098"	250lbs
0.073"	140lbs	0.113"	250lbs
0.079"	180lbs		

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

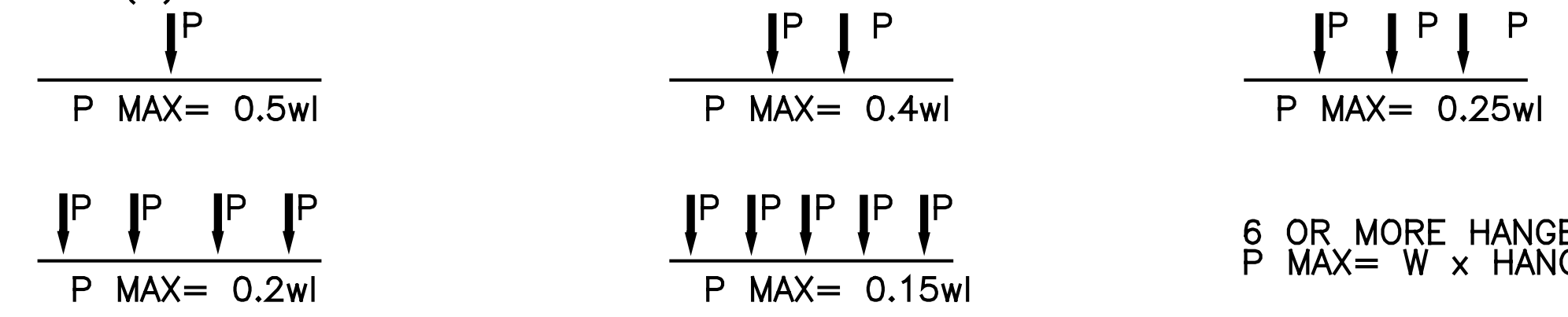


DOUBLE PURLIN HANGERS

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 = MAX CONCENTRATED LOAD(lbs); W = UNIFORM COLLATERAL LOAD (PSF) x PURLIN SPACING (ft) = lbs/ft; L = PURLIN SPAN (ft). HANGERS SHOULD BE SPACED APPROX. EQUAL.



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"
P MAX = 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.

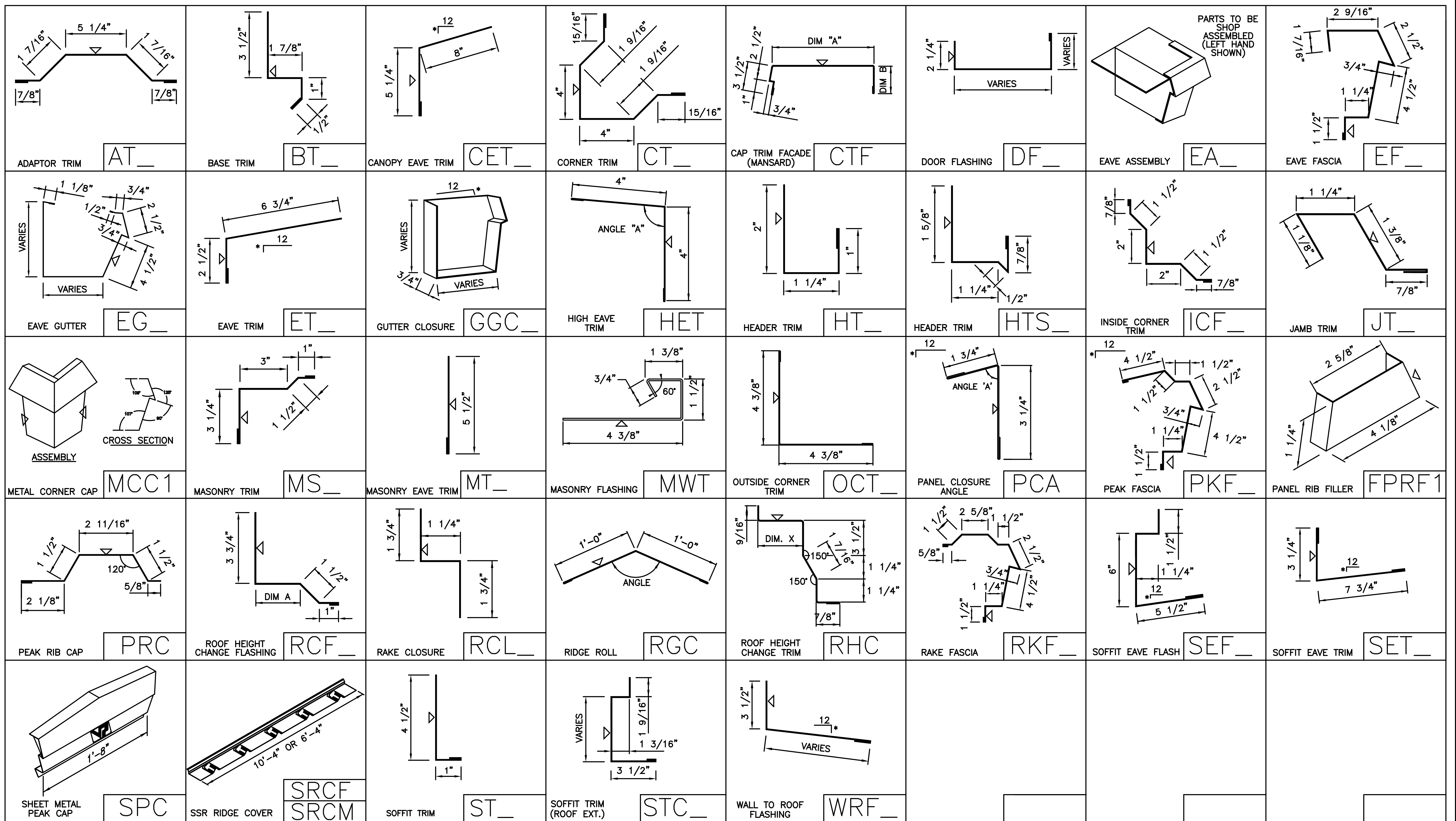
3. FOR LOADS GREATER THAN 250 lbs, PURLINS MUST BE "BLOCKED" AT LOCATION OF LOAD TO PREVENT PURLIN ROTATION.
4. EQUIPMENT LOADS SHOULD BE OBTAINED FROM CERTIFIED EQUIPMENT DRAWINGS AND MANUFACTURER'S DATA.
5. Z-PURLINS WILL DEFLECT UNDER SNOW AND WIND LOADS. ITEMS THAT MAY BE DAMAGED DUE TO DEFLECTIONS, (EX. GAS LINES), VERIFY THAT PIPES OR SUSPENDED EQUIPMENT ARE COMPATIBLE WITH EXPECTED DEFLECTION RANGES ($\pm L/180$).
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 POUNDS. 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 EARTHQUAKES.
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	CHECKED BY	GROUP NUMBER: 80-054-01		
REVERTT	RBENTON	B	B-081465	09
FIRST RELEASE DATE	REVISION DATE			
02/26/10	02/26/20			

ANTI-ROLL CLIP ARC1	DOOR JAMB CLIP (OUTSET) DJC1	DOOR JAMB CLIP (INSET) DJC2	DOOR JAMB CLIP (INSET) DJC4L	DOOR JAMB CLIP (INSET) DJC4R	EAVE ATTACHMENT PLATE EAP1	ENDFRAME EAVE ATTACHMENT PLATE EAP2	EAVE STRUT BRACE STRAP ESBS
EAVE STRUT SHIM PLATE ESH	BOLTED FULL FRAME CLIP FFC	GIRT CLIP TO RAFTER GC18	INSET GIRT CLIP TO RAFTER LEFT / RIGHT GC19	GIRT / JAMB CLIP GC5	INSET GIRT TO GAGE COLUMN FLG. CLIP GC53	VARIABLE LEG CLIP & 5 GIRTS GC71	CORNER COLUMN TO RAKE CHANNEL CLIP GC9
GIRT CLIP GAGE ENDWALL GC91	VARIABLE OUTSET GIRT CLIP GCD	VARIABLE INSET GIRT CLIP GCE	GAGE POST GIRT CLIP GCW1	11.5 INSET GIRT CLIP GCZZ	GIRT FILLER ANGLE GFA	JAMB TO COLUMN MISC. PLATE JC	JAMB TO GIRT CLIP & 5 - 6.5 JTG1
JAMB TO GIRT CLIP 11.5 - 10 / 11.5 JTG2	JAMB TO GIRT CLIP 7 - 7 JTG3	JAMB TO GIRT CLIP 10 - 10 JTG4	SIMPLE SAVER FB CLIP KMA1	GUSSETED PURLIN GIRT CLIP PC4/PC5	ANTI-ROLL PURLIN CLIP PC27	PURLIN / GIRT CLIP PG1	VARIABLE PURLIN GIRT CLIP PGV
VARIABLE OUTSET GIRT CORNER CLIP VCC	CLIP WBBC2	FLAT WIDTH BEND LOC SIDE VIEW "A" HIP FRAME CONNECTION CLIP 02H	FLAT WIDTH BEND LOC SIDE VIEW "A" HIP FRAME CONNECTION CLIP 06H	FLAT WIDTH BEND LOC SIDE VIEW "A" HIP FRAME CONNECTION CLIP 10H			

BENT CLIPS

DRAWN BY NF	CHECKED BY RJR	GROUP NUMBER: -
FIRST RELEASE DATE 01/28/13	REVISION DATE 07/21/16	B B-081765 04



PARTS TO BE SHOP ASSEMBLED (LEFT HAND SHOWN)

TRIM COLOR NOTE
 △ DESIGNATES COLOR SIDE

STANDARD TRIMS				
DRAWN BY	CHECKED BY	GROUP NUMBER: - -		
NF	RJR			
FIRST RELEASE DATE	REVISION DATE	B	S-081766	02
03/05/13	12/05/18			

ROOF/WALL STRUCTURAL FASTENER

(T-2) #12-14 x 1 1/4", 5/16" HEX HD, SS CAP W/WASHER
 MARK
 NUMBER COLOR
 097584____ SEE COLOR SUFFIX CHART BELOW

ROOF/WALL STRUCTURAL FASTENER

(T-2) #12-14 x 1 1/2", 5/16" HEX HD, SS CAP W/WASHER
 MARK
 NUMBER COLOR
 097585____ SEE COLOR SUFFIX CHART BELOW

WALL STRUCTURAL FASTENER

(T-2) #17/#12-14 x 1 7/8", STAND OFF 5/16" HEX HD, SS CAP W/WASHER
 MARK
 NUMBER COLOR
 097597____ SEE COLOR SUFFIX CHART BELOW

ROOF STITCH FASTENER

(T-1) 1/4-14 x 1 1/8", 5/16" HEX HD, SS CAP W/WASHER
 MARK
 NUMBER COLOR
 097582____ SEE COLOR SUFFIX CHART BELOW

ROOF/WALL STITCH FASTENER

(T-1) 1/4-14 x 7/8", 5/16" HEX HD, SS CAP W/WASHER
 MARK
 NUMBER COLOR
 097581____ SEE COLOR SUFFIX CHART BELOW

COLOR SUFFIX CHART

SUFFIX	COLOR	SUFFIX	COLOR
100	= COOL ARCTIC WHITE	112	= COOL GRANITE GRAY
101	= COOL EGYPTIAN WHITE	113	= COOL SIERRA TAN
102	= COOL COTTON WHITE	115	= COOL COLBALT BLUE
103	= COOL COLONIAL RED	116	= COOL ZINC GRAY
104	= COOL STRAW GOLD	117	= COOL COPPER PENNY
105	= COOL DARK BRONZE	118	= COOL METALLIC SILVER
106	= COOL WEATHERED COPPER	119	= COOL JADE GREEN
107	= COOL BERMUDA GREEN	120	= COOL BRIGHT RED
108	= COOL HEMLOCK GREEN	121	= COOL PARCHMENT
109	= COOL LEAF GREEN	122	= COOL OLD TOWN GRAY
110	= COOL EBONY	UNPNTD	= UN PAINTED
111	= COOL IMPERIAL BLUE	SPR	= SPECIAL REQUEST

MISC. STRUCTURAL FASTENERS

MARK
 NUMBER
 55307 (T-3) 1/4-14 x 1 1/4", 5/16" HEX HD
 55309 (T-3) 1/4-14 x 2", 5/16" HEX HD
 55310 (T-3) 1/4-14 x 3", 3/8" HEX HD
 55311 (T-3) 1/4-14 x 4", 3/8" HEX HD
 56104 (T-5) #12-24 x 1 1/2", 5/16" HEX HD
 59227 (T-5) 1/4-28 x 3", 5/16" HEX HD
 59228 (T-5) 1/4-28 x 4", 5/16" HEX HD
 55308 (T-AB) #17-14 x 1", 5/16" HEX HD, SS CAP W/WASHER (BAG of 50)
 58015 (T-1) 1/4-14 x 1 1/8", 5/16" HEX HD, SS CAP W/ 7/8" WASHER

RIVETS

BULB TITE STRUCTURAL BLIND RIVET
 MARK
 NUMBER DESCRIPTION COLOR
 55160 VP200 RIVET (RV6604-6-8W OLYMPIC BULB TITE) ALUMINUM
 55181 VP205 RIVET (RV6604-6-4W OLYMPIC BULB TITE) COOL ARCTIC WHITE
 55185 VP205 RIVET (RV6604-6-4W OLYMPIC BULB TITE) COOL DARK BRONZE

SEALANT

MARK
 NUMBER DESCRIPTION
 016688 GRAY SKINNING
 025392 GRAY NON-SKINNING
 80507 BRONZE SKINNING
 80531 FLEXIBLE FLASHING SILICONE ADHESIVE (GRAY)

TAPE MASTIC

MARK
 NUMBER DESCRIPTION
 97663 3/16" X 1 1/2" X 40' ROLL
 97662 3/16" X 1" X 28" BOX OF 100
 200 LINEAL FEET OF COVERAGE PER BOX
 80347 1/8" X 1" X 9" (50) AND 3" (150) BOX
 100 LINEAR FEET OF COVERAGE PER BOX
 027893 1/8" X 1" X 25' ROLL
 025390 3/16" X 1/4" X 40' ROLL

PANEL CLOSURES

MARK
 NUMBER DESCRIPTION
 80130 PANEL RIB 3' INSIDE CLOSURE
 80140 PANEL RIB 3' OUTSIDE CLOSURE
 80360 VEE RIB 3' INSIDE CLOSURE
 80362 VEE RIB 3' OUTSIDE CLOSURE
 80140 RPR 3' INSIDE PANEL CLOSURE
 80130 RPR 3' OUTSIDE PANEL CLOSURE
 80135 SSR FOAM INSIDE CLOSURE
 80136 SSR HARD RUBBER INSIDE CLOSURE

POP RIVETS

POP RIVET 1/8 x 3/8"
 MARK
 NUMBER COLOR
 097580____ SEE COLOR SUFFIX CHART BELOW

VP COMMON WAREHOUSE PARTS

DRAWN BY	CHECKED BY	GROUP NUMBER:	
BJW	RJR	B	S-081767 08
FIRST RELEASE DATE	REVISION DATE		
01/22/13	06/24/22		