





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: CraigCounty: Prince Wales KetchikanState: AlaskaCountry: United States

Building Code

Building Code: 2012 International Building Code

Building Risk/Occupancy Category: II (Standard Occupancy Structure)

Dead and Collateral Loads

Collateral Gravity:3.00 psf

Collateral Uplift: 0.00 psf

Wind Load (per ASCE 7-16)

Wind Speed: Vult: 150.00 (Vasd: 116.19) mph

The 'Envelope Procedure' is Used

Primaries Wind Exposure: D - Kz: 1.117

Parts Wind Exposure Factor: 1.117

Wind Enclosure: Enclosed

Topographic Factor: Kzt: 1.0000

Ground Elevation Factor: Ke: 1.0000

NOT Windborne Debris Region

Base Elevation: 2/0/0

Site Elevation: 0.0 ft

Primary Zone Strip Width: 2a: 9/7/3

Parts / Portions Zone Strip Width: a: 4/9/10

Velocity Pressure: qz: 54.67, (C&C) 54.67 psf

Material Dead Weight

Roof Covering + Second. Dead Load: Varies

Frame Weight (assumed for seismic):2.50 psf

Snow Load

Ground Snow Load: pg: 40.00 psf

Flat Roof Snow: pf: 25.20 psf

Design Snow (Sloped): ps: 25.20 psf

Rain Surcharge: 0.00

Specified Minimum Roof Snow: 40.00 psf (USR)

Exposure Factor: 2 Partially Exposed - Ce: 0.90

Snow Importance: Is: 1.000

Thermal Factor: Heated - Ct: 1.00

Ground / Roof Conversion: 0.70

Obstructed or Not Slippery

Seismic Load

Lateral Force Resisting Systems using Equivalent Force Procedure

Mapped MCE Acceleration: Ss: 46.80 %g

Mapped MCE Acceleration: Sl: 36.10 %g

Site Class: Stiff soil (D) - Default

Seismic Importance: Ie: 1.000

Design Acceleration Parameter: Sds: 0.4448

Design Acceleration Parameter: Sd1: 0.4667

Seismic Design Category: D

Seismic Snow Load: 0.00 psf

% Snow Used in Seismic: 0.00 - USR

Diaphragm Condition: Rigid

Fundamental Period Height Used: 23/10/0

Transverse Direction Parameters

Ordinary Steel Moment Frames

Redundancy Factor: Rho: 1.30 - USR

Fundamental Period: Ta: 0.3539

R-Factor: 3.50

Overstrength Factor: Omega: 3.00

Deflection Amplification Factor: Cd: 3.00

Base Shear: V: 0.1271 x W

Longitudinal Direction Parameters

Ordinary Steel Concentric Braced Frames

Redundancy Factor: Rho: 1.30

Fundamental Period: Ta: 0.2157

R-Factor: 3.25

Overstrength Factor: Omega: 3.00

Deflection Amplification Factor: Cd: 3.25

Base Shear: V: 0.1369 x W

Snow Buildup

Shape

shop

Surface

Roof: A

Description

Unbalanced Snow Load 1, Shifted Left : Roof: A

X Location

0.0 ft

48.0 ft

48.0 ft

0.0 ft

-2.0 ft

-2.0 ft

0.0 ft

48.0 ft

48.3 ft

48.3 ft

48.0 ft

0.0 ft

0.0 ft

20.8 ft

0.0 ft

48.0 ft

48.0 ft

50.0 ft

50.0 ft

48.0 ft

-0.3 ft

-0.3 ft

0.0 ft

0.0 ft

0.0 ft

20.8 ft

Y Location

0.0 ft

0.0 ft

9.1 ft

9.1 ft

9.1 ft

0.0 ft

0.0 ft

0.0 ft

9.1 ft

9.1 ft

9.1 ft

2.0 ft

21.7 ft

21.7 ft

0.0 ft

0.0 ft

10.4 ft

10.4 ft

10.4 ft

10.4 ft

0.0 ft

0.0 ft

0.0 ft

10.4 ft

0.0 ft

2.2 ft

2.2 ft

0.0 ft

0.0 ft

Magnitude

16.4 psf

16.4 psf

16.4 psf

16.4 psf

16.4 psf

16.4 psf

16.4 psf

16.4 psf

16.4 psf

16.4 psf

16.4 psf

0.0 psf

66.4 psf

0.0 psf

0.0 psf

31.8 psf

31.8 psf

31.8 psf

31.8 psf

31.8 psf

31.8 psf

31.8 psf

31.8 psf

66.4 psf

66.4 psf

0.0 psf

0.0 psf

shop

Roof: A

Unbalanced Snow Load 1, Shifted Left : Roof: A

0.0 ft

-2.0 ft

-2.0 ft

0.0 ft

48.0 ft

48.3 ft

48.3 ft

48.0 ft

0.0 ft

0.0 ft

20.8 ft

0.0 ft

48.0 ft

48.0 ft

50.0 ft

50.0 ft

48.0 ft

-0.3 ft

-0.3 ft

0.0 ft

0.0 ft

0.0 ft

20.8 ft

Roof: A

Unbalanced Snow Load 1, Shifted Left : Roof: A

0.0 ft

-2.0 ft

-2.0 ft

0.0 ft

48.0 ft

48.3 ft

48.3 ft

48.0 ft

0.0 ft

0.0 ft

20.8 ft

0.0 ft

48.0 ft

48.0 ft

50.0 ft

50.0 ft

48.0 ft

-0.3 ft

-0.3 ft

0.0 ft

0.0 ft

0.0 ft

20.8 ft

Roof: B

Snow Drift

shop

Roof: B

Unbalanced Snow Load 1, Shifted Right : Roof: B

0.0 ft

48.0 ft

48.0 ft

50.0 ft

50.0 ft

48.0 ft

-0.3 ft

-0.3 ft

0.0 ft

0.0 ft

0.0 ft

20.8 ft

Roof: B

Unbalanced Snow Load 1, Shifted Right : Roof: B

shop

Roof: B

Unbalanced Snow Load 1, Shifted Right : Roof: B

0.0 ft

48.0 ft

48.0 ft

50.0 ft

50.0 ft

48.0 ft

-0.3 ft

-0.3 ft

0.0 ft

0.0 ft

0.0 ft

20.8 ft

Roof: B

Unbalanced Snow Load 1, Shifted Right : Roof: B

shop

Wall 2 - Canopy 1

Snow Drift

0.0 ft

0.0 ft

0.0 ft

20.8 ft

Wall 2 - Canopy 1

Snow Drift

1. The Snow Buildup loading shown is in addition to the flat or sloped roof snow.

2. The X and Y Location dimensions are from the point of origin of each surface.

NOTE:

-OHD in the Portal Frame bay required "LOW HEAD CLEARANCE"

- NOTE:

THIS BUILDING HAS NOT BEEN DESIGNED TO RESIST ANY EXTERNALLY APPLIED LOADS FROM OTHER ADJACENT MATERIAL NOT PROVIDED BY VARCO PRUDEN. THEREFORE, ALL FLASHING OR OTHER ATTACHMENTS MUST BE DESIGNED TO TOLERATE THE APPLICABLE DIFFERENTIAL MOVEMENTS IN ORDER TO AVOID ACCIDENTAL LOAD TRANSFERS. PLEASE REFER TO THE CALCULATIONS FOR LATERAL FRAME DRIFTS.

BUILDING SEPARATION:

THE NEW VARCO PRUDEN BUILDING WILL IMPOSE EFFECTS TO FUTURE/EXISTING STRUCTURE(S). VARCO PRUDEN IS NOT RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE EXISTING/FUTURE STRUCTURE SPECIFIED IN THE ORDER CLARIFICATION. FUTURE/EXISTING STRUCTURE(S) SHOULD BE REVIEWED BY A QUALIFIED PROFESSIONAL ENGINEER FOR ADEQUACY AND CODE COMPLIANCE.

THE CALCULATED LATERAL (PARALLEL TO FRAME DIRECTION) DRIFT (Δm1) DUE TO SEISMIC LOADING IS THE ELASTIC DISPLACEMENT (.18) X DEFLECTION AMPLIFICATION FACTOR (3.0) /SEISMIC IMPORTANCE FACTOR (1.00) = 0.51 INCHES.

THE CALCULATED LONGITUDINGAL (PARALLEL TO RIDGE DIRECTION) DRIFT (Δm1) DUE TO SEISMIC LOADING IS THE ELASTIC DISPLACEMENT (1.55) X DEFLECTION AMPLIFICATION FACTOR (3.25) /SEISMIC IMPORTANCE FACTOR (1.00) = 5.02 INCHES.

BASED ON THIS CALCULATED DEFLECTION, 2015 IBC REQUIRES A MINIMUM SEPARATION BETWEEN THIS BUILDING AND THE ADJACENT BUILDING. THE REQUIRED SEPARATION MAYBE LARGER DEPENDING UPON THE CALCULATED DRIFT FOR THE EXISTING/FUTURE BUILDING. VARCO PRUDEN HAS NO RESPOSIBILITY FOR THE BEHAVIOR OF THE EXISTING/FUTURE BUILDING.

Wall 2

shop

Canopy 1

shop

Roof: B

shop

Roof: A

Wall 4

shop

Canopy 1

X

Y

FOR CONSTRUCTION

MODIFIED IN AUTOCAD

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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

REV

DATE

BY

DESCRIPTION

NTS

VP Buildings

3200 Players Club Circle Memphis TN 38125

CODES AND LOADS

BUILDER

B3 Contractors

CUSTOMER

Arrowhead Transfer

LOCATION

Craig, Alaska

PROJECT

Arrowhead Shop

BUILDERS PO#

VP

VP BUILDINGS

VARCO PRUDEN

A BlueScope Steel Company

VPC VERSION: 2022.1a

JOBNO

21-028358-01

DATE

06/09/2022

DRAWN/CHECK

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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.



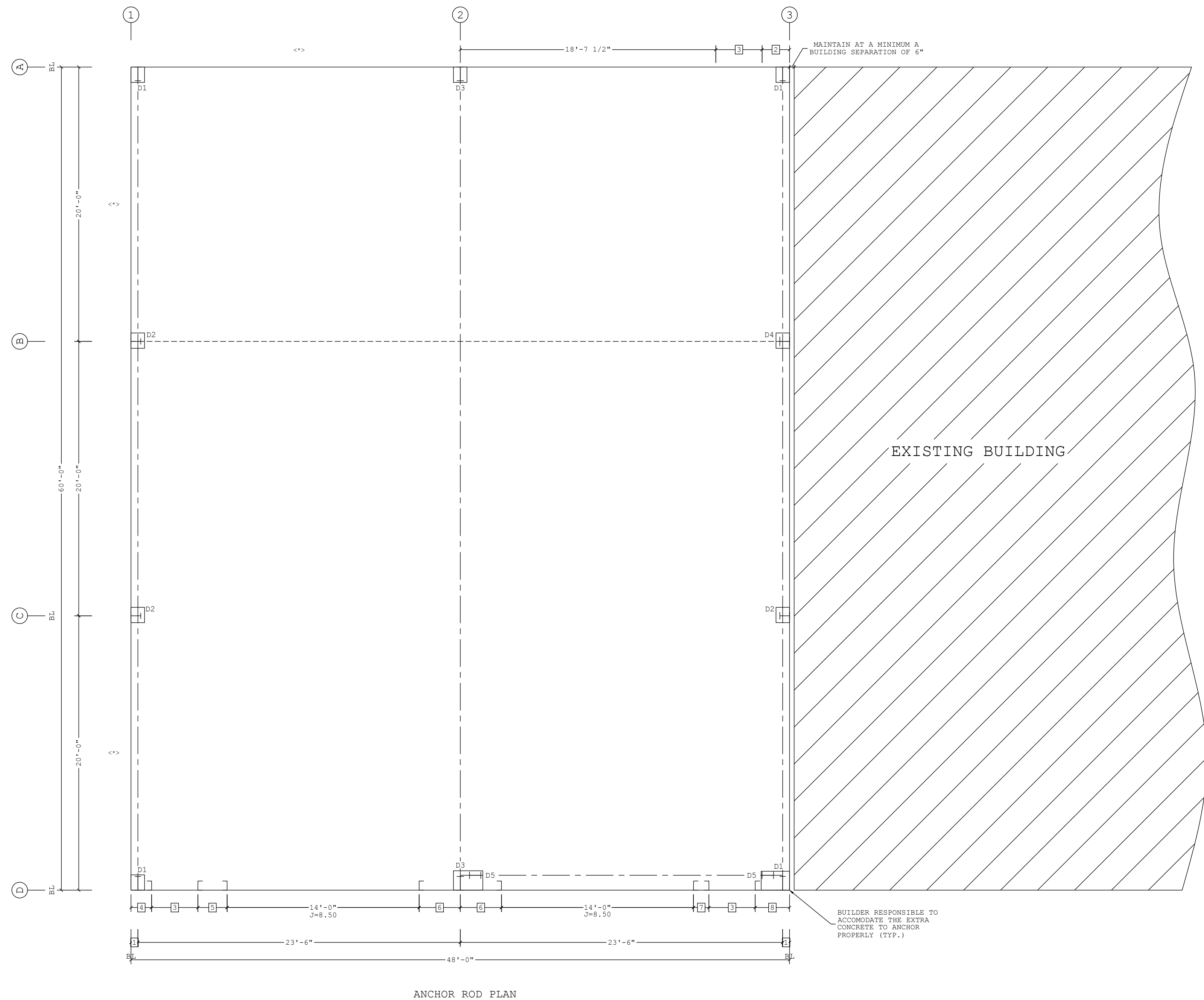
12/05/2022

FOR CONSTRUCTION

MODIFIED IN AUTOCAD	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.	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.	<div>D</div> <div>VP Buildings 3200 Players Club Circle Memphis TN 38125</div>	ERECTION NOTES							
					REV	DATE	BY	DESCRIPTION				
NTS					BUILDER B3 Contractors		<div><div>VP BUILDINGS VARCO PRUDEN</div><div>A BlueScope Steel Company VPC VERSION: 2022.1a</div></div>	JOBNO 21-028358-01 DATE 06/09/2022 DRAWN/CHECK OE JS PAGE 3				
					CUSTOMER Arrowhead Transfer							
					LOCATION Craig, Alaska							
					PROJECT Arrowhead Shop							
					BUILDERS POF							
FILENAME: C:\Users\loesquivel\OneDrive - BlueScope\Documents\Detailing\21-028358-01\CAD\3 Arrowhesd Transfer Shop_ERECTION NOTES.dwg					SAVE DATE: 6/1/2022		SAVE TIME: 08:26:56		LAST SAVED BY: OEsquivel		a division of BlueScope Buildings North America, Inc.	



Finished Floor Elevation for lean to is 104'-0"  
Finished Floor Elevation for warehouse is 104'-0"  
9 1'-0"  
8 2'-6"  
7 1'-1 1/2"  
6 3'-0"  
5 2'-1 1/2"  
4 1'-6"  
3 3'-4 1/2" J=8.50  
2 2'-0"  
1 6"  
□ Dimension Key



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

FOR CONSTRUCTION

MODIFIED IN AUTOCAD

<-> 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.

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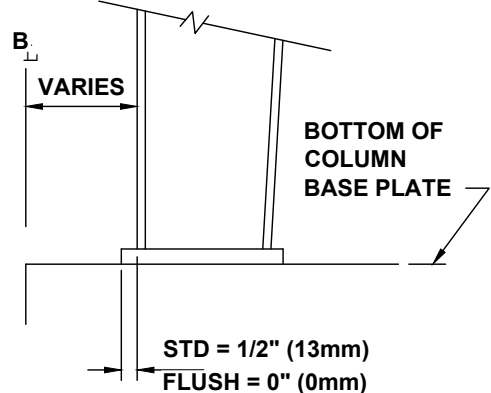
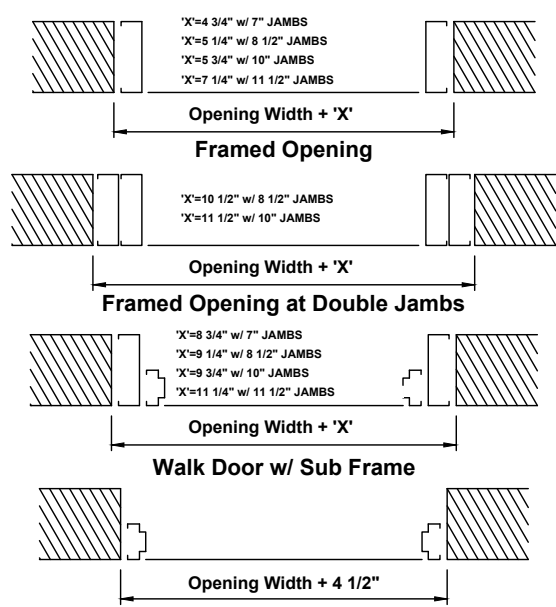
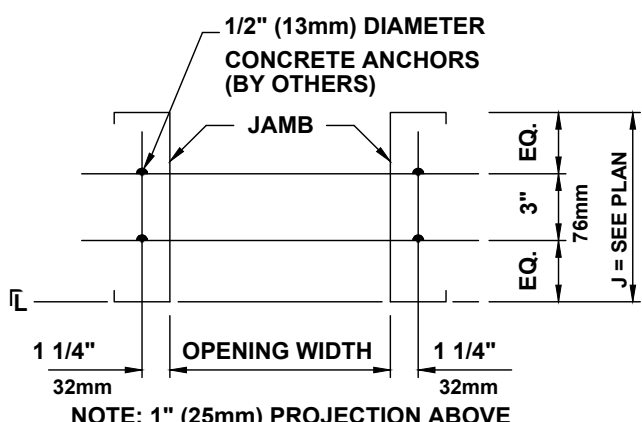
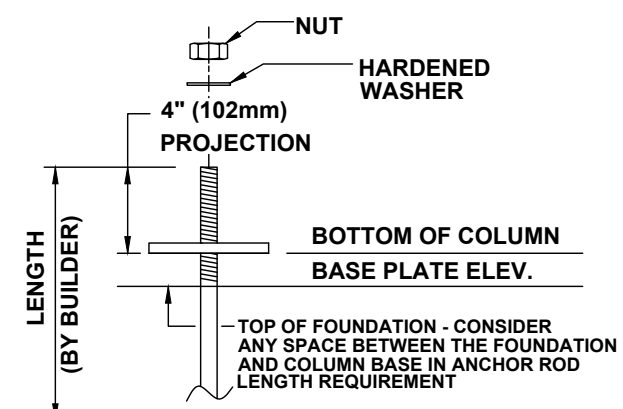
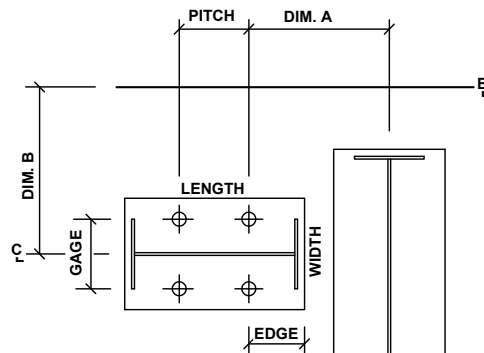
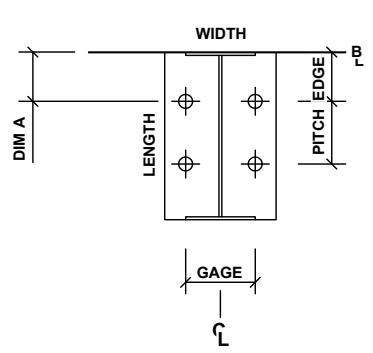
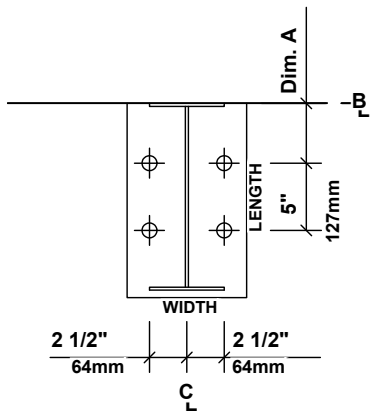
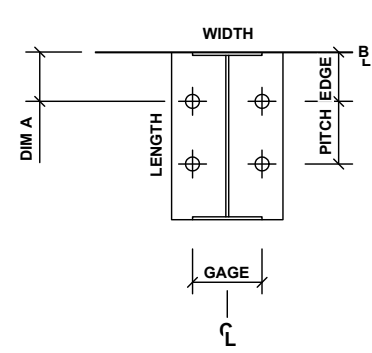
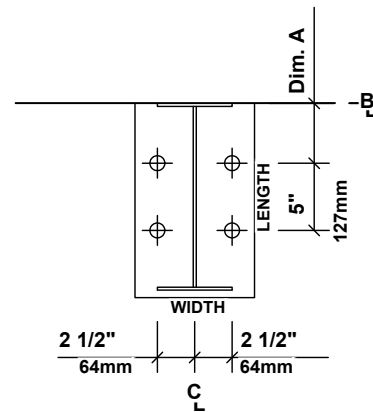
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VP Buildings

3200 Players Club Circle Memphis TN 38125

REV	DATE	BY	DESCRIPTION





D1 (4)3/4" Dia. GR36 Anchor Rods  
Plate W=8", L=1'-1"  
Dim: A=4"  
Elev.=102'-1"

D2 (4) 3/4" Dia. GR36 Anchor Rods  
Plate W=8", L=8 1/2"  
Dim: A=1 3/4"  
Gage=5" Pitch=5" Edge Out=1 3/4"  
Elev.=102'-1"

D3 (4)1" Dia. GR36 Anchor Rods  
Plate W=8", L=1'-1"  
Dim: A=4"  
Elev.=102'-1"

D4 (4) 3/4" Dia. GR36 Anchor Rods  
Plate W=9", L=8 1/2"  
Dim: A=1 3/4"  
Gage=5" Pitch=5" Edge Out=1 3/4"  
Elev.=102'-1"

D5 (4) 3/4" Dia. GR36 Anchor Rods  
Plate W=8", L=11"  
Dim: A=11 1/2" B=1'-1"  
Gage=5" Pitch=5" Edge Out=4"  
Elev.=102'-1"

### SUGGESTED ANCHOR ROD PROJECTION

## FRAMED OPENING DETAIL

## FRAMED OPENING AT MASONRY

### TYPICAL COLUMN BASE PLATE DETAIL

1. ANCHOR RODS, NUTS, HARDENED WASHERS AND ANY OTHER EMBEDDED ITEMS ARE TO BE FURNISHED BY CONTRACTOR.
2. ANCHOR ROD DIAMETERS WERE DETERMINED BY ALLOWABLE STRESS DESIGN METHOD (ACI 308) FOR TENSILE STRENGTHS (FY=36,000) (ASTM F1554 GRADE 36) ANCHOR ROD LENGTH, EFFECTS OF EMBEDDED ANCHOR ROD EDGE DIMENSIONS AND METHOD OF EMBEDMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO FOOTINGS ARE TO BE DETERMINED BY OTHERS.
3. UNLESS OTHERWISE SPECIFIED, ANCHOR RODS ARE DESIGNED AND DETAILED AS "CAST-IN-PLACE" ANCHOR RODS WITH SPLITTING TENDONS.
4. 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 SHALL BE RESPONSIBLE FOR THE CORRECT PLACEMENT OF ANCHOR RODS PER AISI CODE OF STANDARD PRACTICE, SEC 7.5
5. VARIATIONS ARE SURMISED BELOW:
- CENTERS OF ANY TWO REINFORCING COLUMNS BASE TO COLUMN: +18"
- CENTERS OF ADJACENT AR GROUPS: +114"
- C TOPS OF AR'S: +12"
6. ACCUMULATED DIM BETWEEN CENTERS OF ADJACENT COLUMNS: +114" PER 100FT., NOT TO EXCEED 1" TOTAL
7. DIM FROM CENTER OF ANY TWO REINFORCING COLUMNS: +18"
5. DESIGN LOADS AND REACTIONS ARE FURNISHED IN THE REACTIONS REPORT.

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D

**VP Buildings**  
**3200 Players Club Circle Memphis TN 38125**

REV	DATE	BY	DESCRIPTION
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[illegible]

NTS

## ANCHOR ROD PLAN - DETAILS

BUILDER D2 Contractors

CUSTOMER	A	B	C	D	E
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Craig, Alaska

### Arrowhead Shop

BUILDERS FOR



12/05/2022

## FOR CONSTRUCTION

**MODIFIED IN AUTOCAD**

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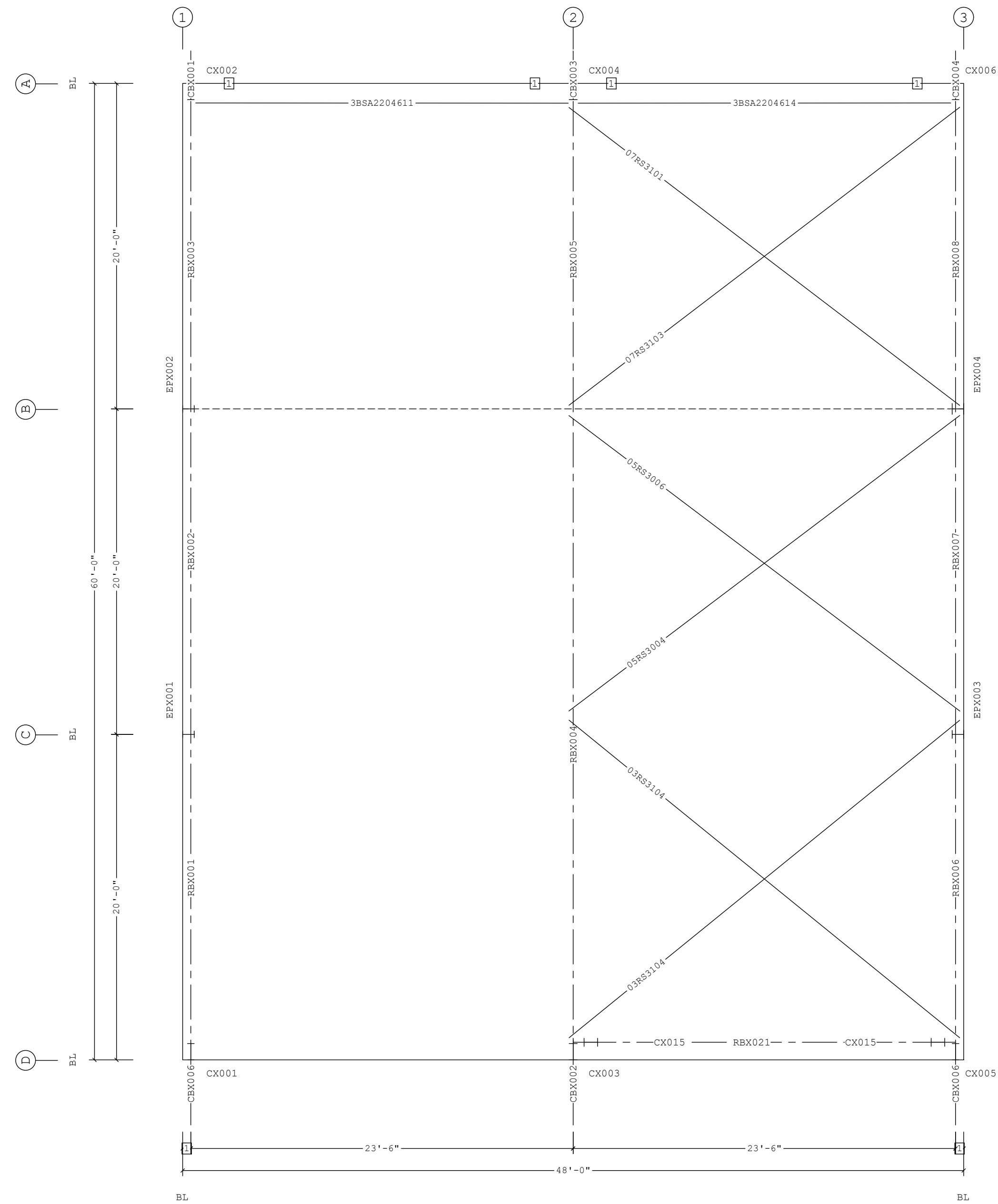
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LAST SAVED BY: OEsquivel

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Rod, Strut, and Misc. Connection Bolts					
I	Qty	Grade	Bolt Diam.	Bolt Length	PartNo
d					
1	2	A325	3/4"	2 1/2"	0097284



PRIMARY AND ROOF BRACING PLAN

Bracing Part Schedule			
Part	Qty	Length	Detail
07RS3101	1	31'-1"	BR01G2
05RS3004	1	30'-4"	BR01G2
05RS3006	1	30'-6"	BR01G2
03RS3104	2	31'-4"	BR01G2
07RS3103	1	31'-3"	BR01G2
3BSA2204614	1	22'-10 3/4"	BR15L1
3BSA2204611	1	22'-10 3/4"	BR15L1

2 1'-0"  
1 6"  
 Dimension Key



12/05/2022

**Shape Name = shop, Shape = warehouse, Shape = lean to**

**FOR CONSTRUCTION**

<p>1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120)</p> <p>WU WASHERS, SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.</p> <p>2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.</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>		<div><div>D</div><div>VP Buildings</div><div>3200 Players Club Circle Memphis TN 38125</div></div> <table><tr><th>REV</th><th>DATE</th><th>BY</th><th>DESCRIPTION</th></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></table> <div>NTS</div>		REV	DATE	BY	DESCRIPTION													<div><div>PRIMARY AND ROOF BRACING PLAN</div><table><tr><td>BUILDER</td><td>B3 Contractors</td><td rowspan="5"><div><div><div></div><div>VP BUILDINGS</div><div>VAPCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2022.1a</div></div></td><td>JOBNO</td><td>21-028358-01</td></tr><tr><td>CUSTOMER</td><td>Arrowhead Transfer</td><td>DATE</td><td>06/09/2022</td></tr><tr><td>LOCATION</td><td>Craig, Alaska</td><td>DRAWN/CHECK</td><td>OE JS</td></tr><tr><td>PROJECT</td><td>Arrowhead Shop</td><td>PAGE</td><td>6</td></tr><tr><td>BUILDERS POF</td><td></td><td></td><td></td></tr></table></div>				BUILDER	B3 Contractors	<div><div><div></div><div>VP BUILDINGS</div><div>VAPCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2022.1a</div></div>	JOBNO	21-028358-01	CUSTOMER	Arrowhead Transfer	DATE	06/09/2022	LOCATION	Craig, Alaska	DRAWN/CHECK	OE JS	PROJECT	Arrowhead Shop	PAGE	6	BUILDERS POF			
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FILENAME: C:\Users\oesquivel\OneDrive - BlueScope\Documents\Detailing\21-028358-01\CAD\6 Arrowhesd Transfer Shop\_PRIMARY AND ROOF BRACING PLAN.dwg

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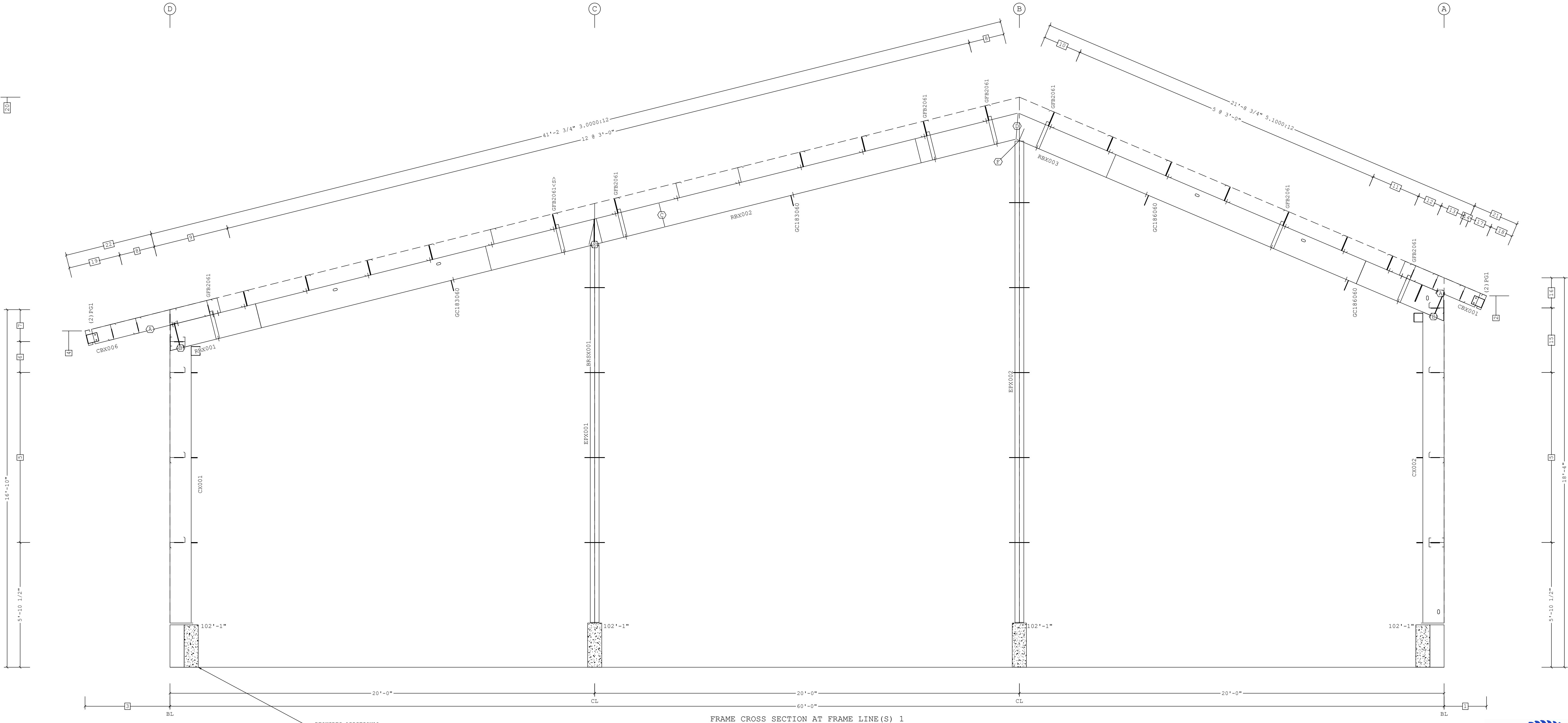
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Frame Member Schedule									
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Detail
CBX001	10002	5.0000	.1345	.1345	8 1/2"	8 1/2"	3'-10 3/16"	38#	
CBX006	10001	5.0000	.1345	.1345	8 1/2"	8 1/2"	6'-1 1/8"	59#	
CX001	1	5.0000	.1345	.1345	1'-0"	1'-0"	13'-0 3/4"	157#	
RBX001	2-5	5.0000	.1875	.1345	1'-2"	1'-2"	23'-11 15/16"	335#	
RBX002	6-7	5.0000	.1875	.1345	1'-2"	1'-2"	17'-5 3/16"	249#	
RBX003	8-10	5.0000	.1875	.1345	1'-2"	1'-2"	22'-2 15/16"	323#	
CX002	11	5.0000	.1345	.1345	1'-0"	1'-0"	14'-7 1/2"	172#	
EPX001	12	5.0000	.2500	.1345	8 1/2"	8 1/2"	17'-10 7/16"	239#	BR25BD
EPX002	13	5.0000	.3750	.2500	8 1/2"	8 1/2"	22'-9 3/8"	464#	

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	Washer	PartNo
A	16	A325	1/2"	1 1/2"	-	-	-		49080
B	4	A325	1/2"	1 1/2"	3/8"	1	1		49080
C	6	A325	1/2"	1 1/2"	1/4"	1	2		49080
D	8	A325	1/2"	2"	1/2"	2	2		0097280
E	4	A325	1/2"	1 1/2"	3/8"	-	3		49080
F	4	A325	1/2"	2"	3/8"	-	2	Yes	0097280
<S> - (2) Washers (095872) req'd at Flange Brace to Secondary.									

Frame Clearances  
Horiz. Clearance between members 1(CX001) and 11(CX002): 58'-0"  
Vert. Clearance at member 1(CX001): 15'-1 13/16"  
Vert. Clearance at member 11(CX002): 16'-8 5/8"  
Vert. Clearance at member 12(EPX001): 19'-10 13/16"  
Vert. Clearance at member 13(EPX002): 24'-9 9/16"  
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 1

11	2'-3 13/16"	22	4'-1 1/2" 3.0000:12
10	1'-9 5/8"	21	2'-2 1/16" 5.1000:12
9	2 @ 1'-9 5/16"	20	26'-10" Ridge Ht.
8	1'-8 1/8"	19	2 @ 1'-2 11/16"
7	1'-6"	18	1'-1 1/16"
6	1'-5 1/2"	17	1'-1"
5	2 @ 4'-0"	16	1'-5"
4	15'-10"	15	3'-0 1/2"
3	4'-0"	14	3 1/2"
2	17'-5 13/16"	13	1'-1 7/8"
1	2'-0"	12	1'-1 15/16"

Dimension Key

Dimension Key

REQUIRES ADDITIONAL CONCRETE (TYP.)


Shape Name = shop Wall 4, Frame 1

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

FRAME CROSS SECTION AT FRAME LINE(S) 1			
BUILDER	B3 Contractors	 VP BUILDINGS VARCO PRUDEN  A BlueScope Steel Company VPC VERSION: 2022.1a	JOBNO 21-028358-01
CUSTOMER	Arrowhead Transfer		DATE 06/09/2022
LOCATION	Craig, Alaska		DRAWN/CHECK OE JS
PROJECT	Arrowhead Shop		PAGE 7
BUILDERS PO#			



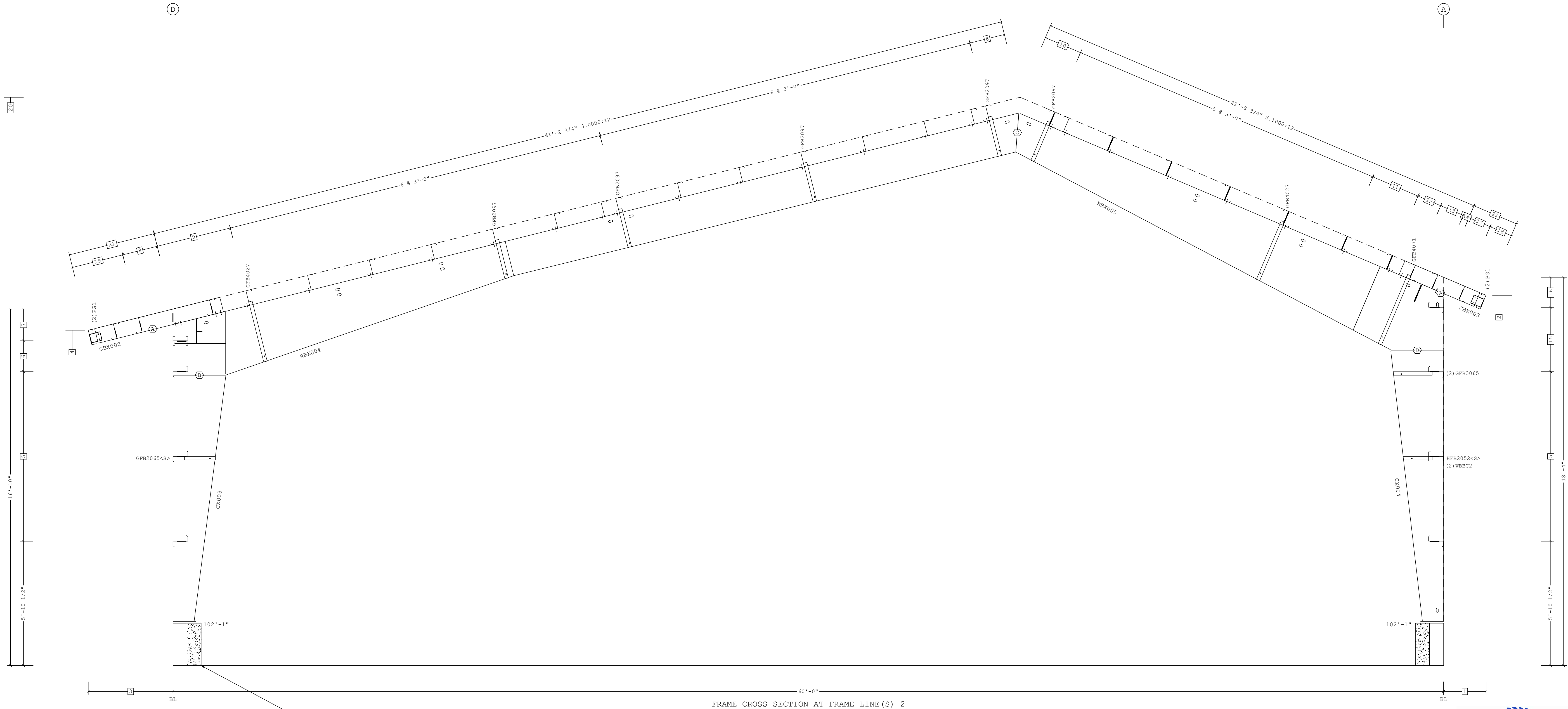
a division of BlueScope Buildings North America, Inc.



Frame Member Schedule							
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth
CBX003	10002	5.0000	.1345	.1345	8 1/2"	8 1/2"	3'-10 3/16"
CBX002	10001	5.0000	.1345	.1345	8 1/2"	8 1/2"	6'-1 1/8"
CX003	1	6.0000	.5000	.1875	1'-0"	2'-6"	11'-7 9/16"
RBX004	2	6.0000	.5000	.1875	2'-11"	1'-8"	41'-8 5/8"
	3	6.0000	.3750	.1345	1'-8"	1'-9"	
RBX005	4	6.0000	.5000	.1875	1'-9"	3'-3 1/8"	22'-9 1/2"
	5	6.0000	.5000	.2500	3'-3 1/8"	3'-5"	
CX004	6	6.0000	.6250	.1644	1'-0"	2'-6"	12'-9 11/16"
							534#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	16	A325	1/2"	1 1/2"	-	-	-	49080	
B	12	A325	3/4"	2 1/2"	5/8"	4	2	0097284	
C	6	A325	3/4"	2 1/2"	1/2"	1	2	0097284	
D	6	A325	1 1/8"	4"	3/4"	2	1	0097289	
<S> - (2) Washers (095872) req'd at Flange Brace to Secondary.									

Frame Clearances  
Horiz. Clearance between members 1(CX003) and 6(CX004): 55'-0"  
Vert. Clearance at member 1(CX003): 13'-8 9/16"  
Vert. Clearance at member 6(CX004): 14'-10 11/16"  
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



11	2'-3 13/16"
10	1'-9 5/8"
9	2 @ 1'-9 5/16"
8	1'-8 1/8"
7	1'-6"
6	1'-5 1/2"
5	2 @ 4'-0"
4	15'-10"
3	4'-0"
2	17'-5 13/16"
1	2'-0"

22	4'-1 1/2" 3.0000:12
21	2'-2 1/16" 5.1000:12
20	26'-10" Ridge Ht.
19	2 @ 1'-2 11/16"
18	1'-1 1/16"
17	1'-1"
16	1'-5"
15	3'-0 1/2"
14	3 1/2"
13	1'-1 7/8"
12	1'-1 15/16"

Dimension Key

Dimension Key

REQUIRES ADDITIONAL CONCRETE (TYP.)

Shape Name = shop Wall 4, Frame 2


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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VP Buildings 3200 Players Club Circle Memphis TN 38125			
REV	DATE	BY	DESCRIPTION
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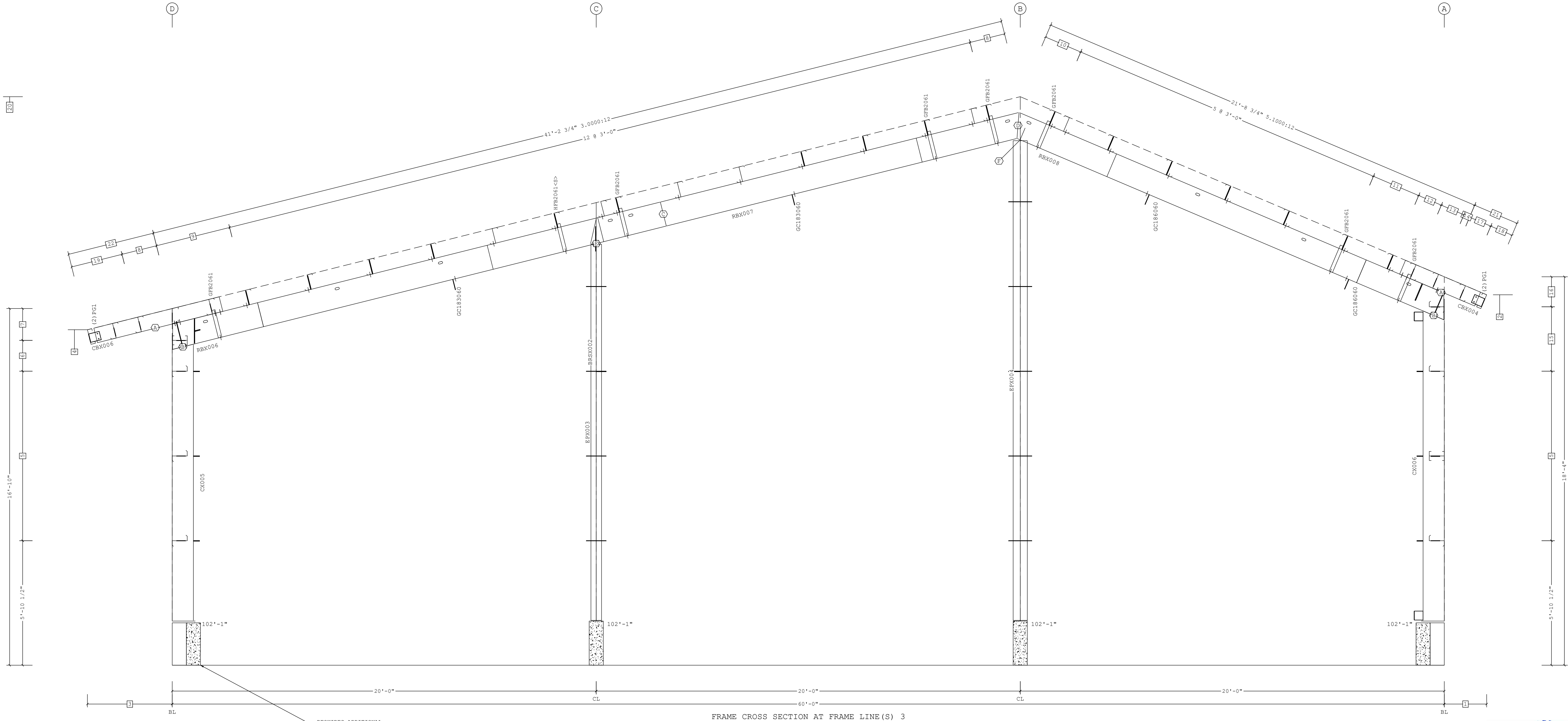
FRAME CROSS SECTION AT FRAME LINE(S) 2				
BUILDER	B3 Contractors		 VP BUILDINGS VARCO PRUDEN A BlueScope Steel Company VPC VERSION: 2022.1a	JOBNO 21-028358-01
CUSTOMER	Arrowhead Transfer			DATE 06/09/2022
LOCATION	Craig, Alaska			DRAWN/CHECK OE JS
PROJECT	Arrowhead Shop			PAGE 8
BUILDERS PO#				



Frame Member Schedule								
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CBX004	10002	5.0000	.1345	.1345	8 1/2"	8 1/2"	3'-10 3/16"	38#
CBX006	10001	5.0000	.1345	.1345	8 1/2"	8 1/2"	6'-1 1/8"	59#
CX005	1	5.0000	.1345	.1345	1'-0"	1'-0"	13'-0 3/4"	154#
RBX006	2-5	5.0000	.1875	.1345	1'-2"	1'-2"	23'-11 15/16"	350#
RBX007	6-7	5.0000	.1875	.1345	1'-2"	1'-2"	17'-5 3/16"	246#
RBX008	8-10	5.0000	.1875	.1345	1'-2"	1'-2"	22'-3"	320#
CX006	11	5.0000	.1345	.1345	1'-0"	1'-0"	14'-7 1/2"	175#
EPX003	12	6.0000	.3750	.1644	8 1/2"	8 1/2"	17'-10 9/16"	372#
EPX004	13	8.0000	.5000	.1345	8 1/2"	8 1/2"	22'-9 3/8"	723#

Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	Washer	PartNo	
A	16	A325	1/2"	1 1/2"	-	-	-		49080	
B	4	A325	1/2"	1 1/2"	3/8"	1	1		49080	
C	4	A325	1/2"	1 1/2"	1/4"	1	1		49080	
D	6	A325	1/2"	1 1/2"	3/8"	2	1		49080	
E	4	A325	1/2"	1 1/2"	3/8"	-	3		49080	
F	4	A325	1/2"	2"	1/2"	-	2	Yes	0097280	
<S> - (2) Washers (095872) req'd at Flange Brace to Secondary.										

Frame Clearances  
Horiz. Clearance between members 1(CX005) and 11(CX006): 58'-0"  
Vert. Clearance at member 1(CX005): 15'-1 13/16"  
Vert. Clearance at member 11(CX006): 16'-8 5/8"  
Vert. Clearance at member 12(EPX003): 19'-10 13/16"  
Vert. Clearance at member 13(EPX004): 24'-9 9/16"  
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



11	2'-3 13/16"	22	4'-1 1/2" 3.0000:12
10	1'-9 5/8"	21	2'-2 1/16" 5.1000:12
9	2 @ 1'-9 5/16"	20	26'-10" Ridge Ht.
8	1'-8 1/8"	19	2 @ 1'-2 11/16"
7	1'-6"	18	1'-1 1/16"
6	1'-5 1/2"	17	1'-1"
5	2 @ 4'-0"	16	1'-5"
4	15'-10"	15	3'-0 1/2"
3	4'-0"	14	3 1/2"
2	17'-5 13/16"	13	1'-1 7/8"
1	2'-0"	12	1'-1 15/16"

Dimension Key

Dimension Key

Shape Name = shop Wall 4, Frame 3

FOR CONSTRUCTION

12/05/2022

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.

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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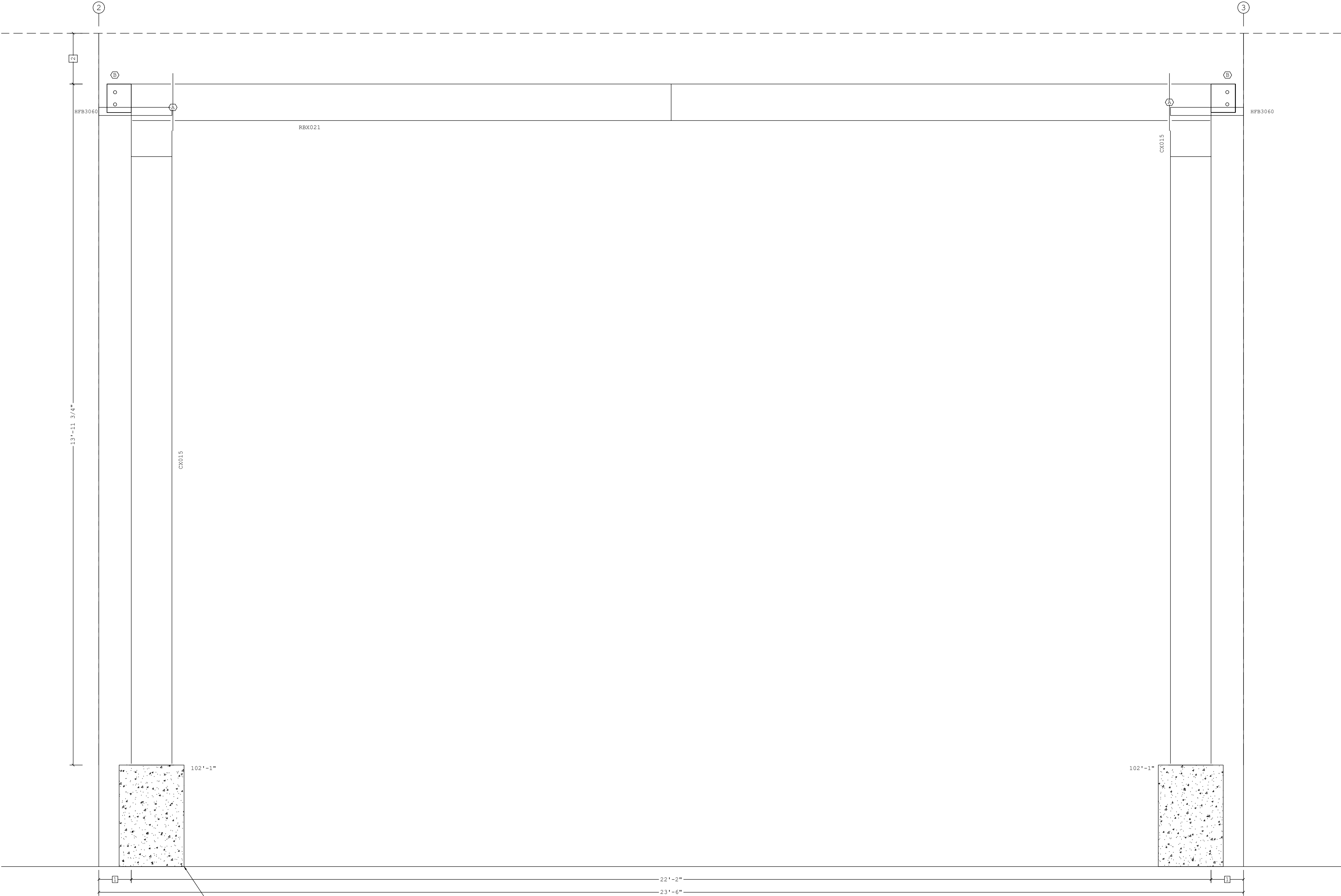
D	VP Buildings 3200 Players Club Circle Memphis TN 38125			FRAME CROSS SECTION AT FRAME LINE(S) 3			
	REV	DATE	BY	DESCRIPTION	BUILDER	B3 Contractors	
					CUSTOMER	Arrowhead Transfer	
					LOCATION	Craig, Alaska	
					PROJECT	Arrowhead Shop	
					BUILDERS PO#		
NTS							



Frame Member Schedule									
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	
CX015	1	6.0000	.2500	.1345	10"	10"	13'-11 3/4"	236#	
	2	6.0000	.2500	.2500	10"	10"			
RBX021	3	6.0000	.2500	.1345	9"	9"	20'-5 1/2"	320#	
	4	6.0000	.2500	.1644	9"	9"			
CX015	5	6.0000	.2500	.2500	10"	10"	13'-11 3/4"	236#	
	6	6.0000	.2500	.1345	10"	10"			

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"	1/2"	2	2	0097284		
B	2	A325	3/4"	2 1/2"	-	-	-	0097284		

Frame Clearances  
Horiz. Clearance between members 1(CX015) and 5(CX015): 20'-6"  
Horiz. Clearance between members 1(CX015) and 6(CX015): 20'-6"  
Horiz. Clearance between members 2(CX015) and 5(CX015): 20'-6"  
Horiz. Clearance between members 2(CX015) and 6(CX015): 20'-6"  
Vert. Clearance at member 2(CX015): 15'-1 1/4"  
Vert. Clearance at member 5(CX015): 15'-1 1/4"  
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



2 1'-0 1/2"  
1 6"

Dimension Key

REQUIRED ADDITIONAL CONCRETE (TYP.)

PORTAL FRAME ELEVATION ALONG D

Shape Name = shop Wall 4, Frame 2

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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D

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

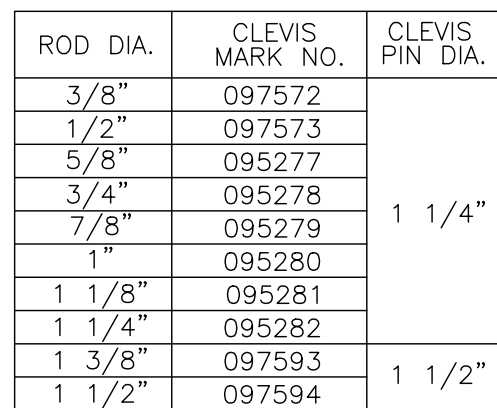
PORTAL FRAME ELEVATION ALONG D

BUILDER	B3 Contractors
CUSTOMER	Arrowhead Transfer
LOCATION	Craig, Alaska
PROJECT	Arrowhead Shop
BUILDERS PO#	

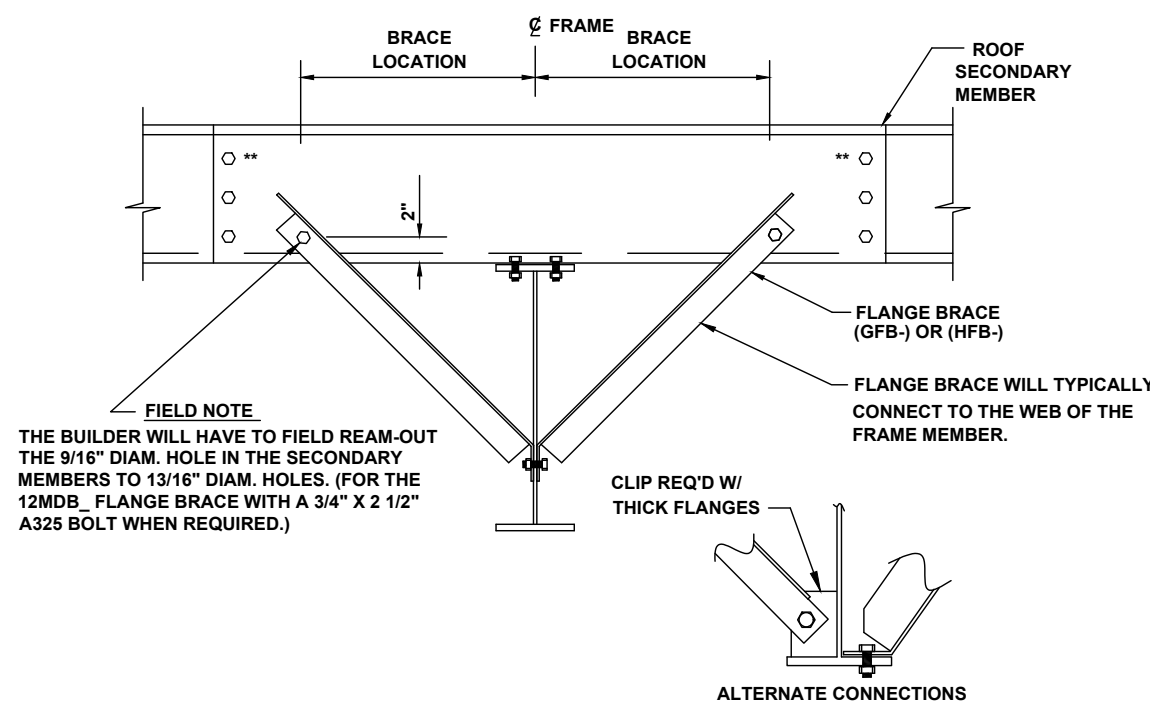


JOBNO	21-028358-01
DATE	06/09/2022
DRAWN/CHECK	OE JS
PAGE	10





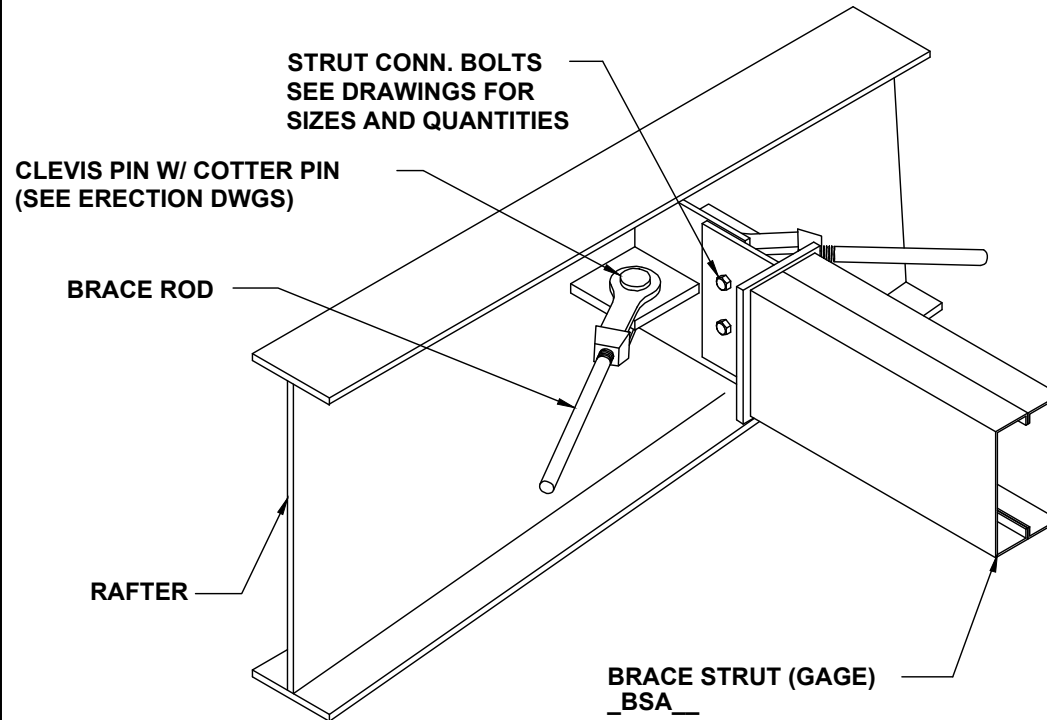
DESCRIPTION/PART NO				
ROD DIAM	NUT	HARD STEEL ROUND WASHER A	HARD STEEL WASHER B	HILLSIDE WASHER
3/8"	95321	3/8" FLAT WASHER (95878)	1/2" BEVEL SQUARE WASHER (46040)	
1/2"	95320	1/2" FLAT WASHER (95879)		543334
5/8"	95233	5/8" FLAT WASHER (95945)	3/4" FLAT ROUND WASHER (95946)	
3/4"	95235	3/4" FLAT 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" FLAT ROUND WASHER (95949)	543336
1 1/8"	95239	1 1/8" FLAT WASHER (95949)		



**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.**



WHERE SLOTTED HOLES ARE PRESENT, BOLTS ARE SLIP CRITICAL AND MUST BE FULLY PRE TENSIONED. FAYING SURFACES MUST BE PAINT FREE. IF PAINT IS FOUND ON FAYING SURFACES IN SLOTTED CONNECTIONS REMOVE WITH LIGHT GRINDING. STANDARD HARDENED WASHERS ARE REQUIRED OVER ALL SLOTS. SEE ERECTION DRAWINGS FOR MARK NUMBERS AND QUANTITIES.

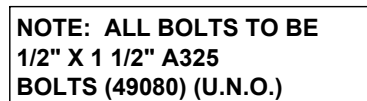
REV. DATE: 08/02/17	REV. NO. 04	ROD BRACE WEB SLOT ASSEMBLY
BR01G2		

REV. DATE: 06/23/11	REV. NO. 03	<div> <div>ROD BRACING</div> <div>CLEVIS ASSEMBLY</div> </div>
BR02K1		

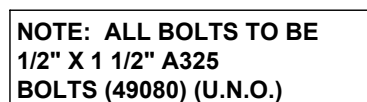
REV. DATE: 05/08/18	REV. NO. 02	<p align="center"><b>TYPICAL FLANGE BRACE CONNECTIONS</b></p> <p align="center">CONT. PURLIN LAP SHOWN. CONT. GIRT &amp; SIMPLE PURLIN</p>
BR06AE		

REV. DATE: 03/17/16	REV. NO. 03	<div>PORTAL FRAME DETAIL</div> <div>CONNECTION TO FRAME</div>
BR12J1		

REV. DATE: 06/23/11	REV. NO. 01	<p><b>STRUT BRACING</b></p> <p><b>GAGE STRUT IN ROOF</b></p>
<p><b>BR15L1</b></p>		



REV. DATE: 07/01/09	REV. NO. 00	<p align="center"><b>TOP OF ENDPOST</b>  <b>ENDPOST BRACKET TO RAKE BEAM</b></p>
<p align="center"><b>BR25BD</b></p>		



REV. DATE: 11/16/15	REV. NO. 03	ENDPOST TOP BETWEEN PURLINS NO CAP CHANNEL - BRACED TO PURLINS ONLY
BR25CA		

```

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

PANEL/COVERING
W 13117261KTD
 * F F I I E G G O C C C
  LENGTH      CODE

INSULATION
I B1301036030WV
 * * F F I I I I I E C C
  LENGTH      WIDTH THK CODE

SECONDARY (STANDARD)
0 8 Z 1911417 ----
 * * * F F I I E G G * * * *
  DEPTH LENGTH      GAGE ADJUST.CODES
   |  |
   SHAPE

SECONDARY (SPECIAL)
0 0 10 8 Z 1911417 ---
 * * * * * F F I I E G G * * *
  COUNTER DEPTH LENGTH      GAGE ADJUST.CODES
   |  |  |
   SHAPE

ROD BRACING
0 3 R S 2510
 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)
BGX*** = RAFTER (GAGE)
WRX*** = RAFTER (HOTROLL)
TRX*** = TRUSS RAFTER

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

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

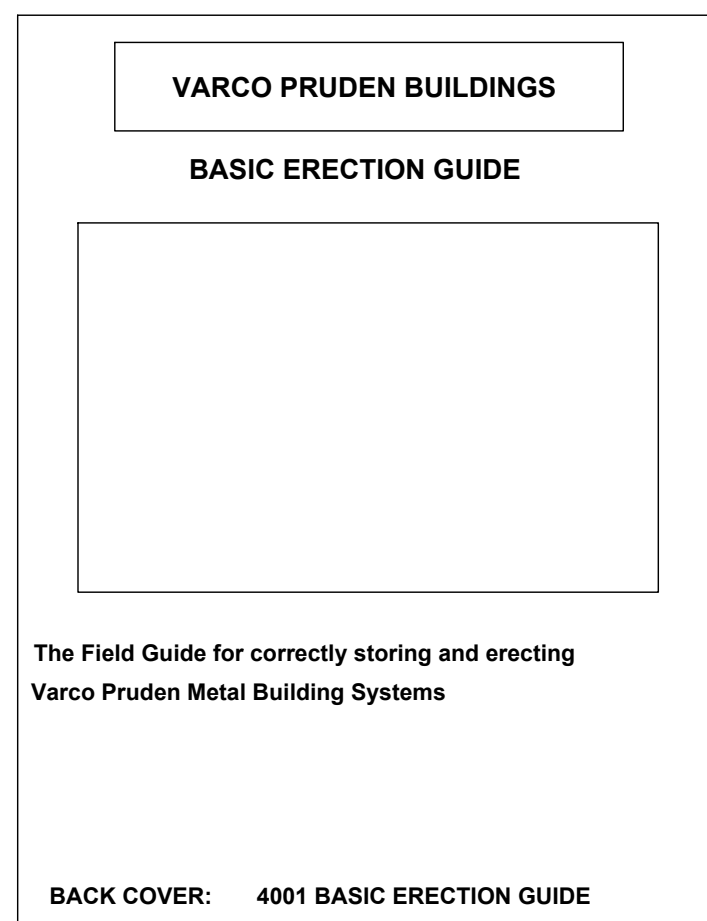
CBX*** = CANOPY (PLATE)
CBX*** = PIGGYBACK CANOPY
DCX*** = 8 1/2" GAGE POST
DCE*** = 10" GAGE POST

```

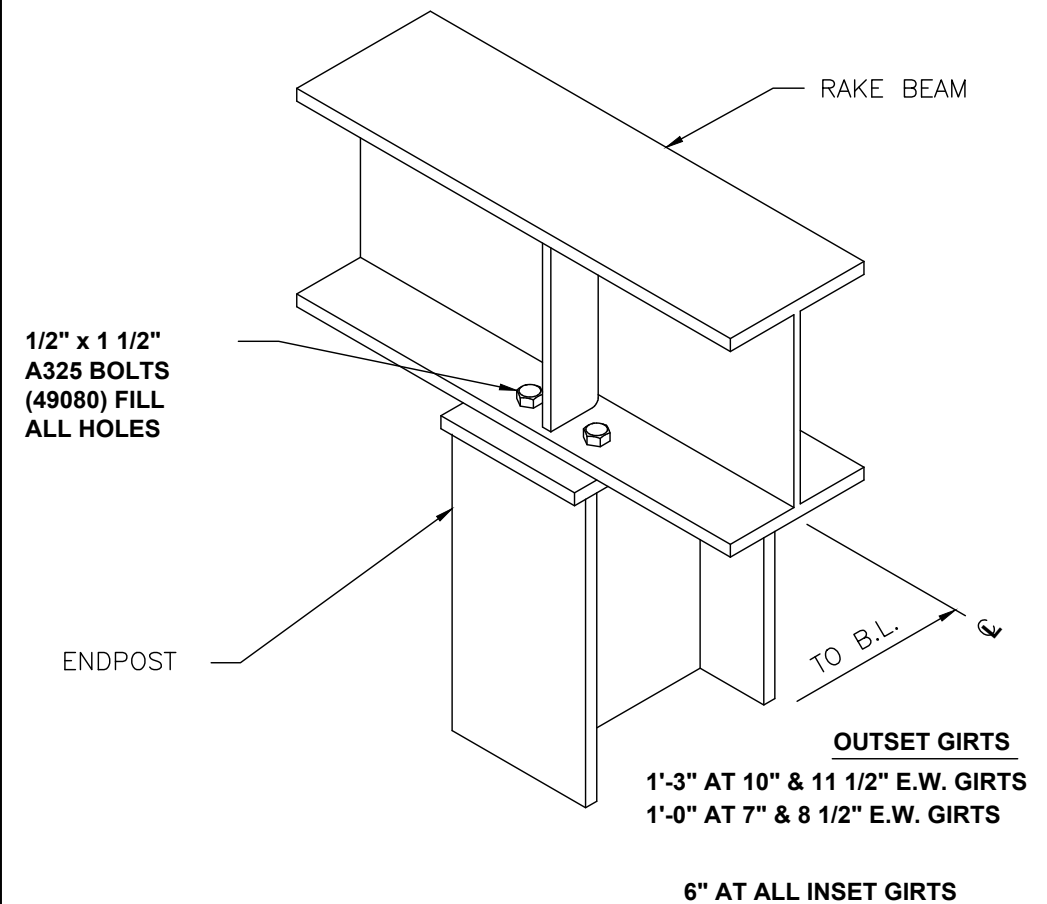
REV. DATE: 08/29/12	REV. NO. 01	<p align="center"><b>MARK NUMBER KEY</b></p> <p align="center"><b>COMMON GENERATED MARK NUMBERS</b></p>
<p align="center"><b>EN50B1</b></p>		

**BASIC ERECTION GUIDE REQUIRED FOR THIS PROJECT:**

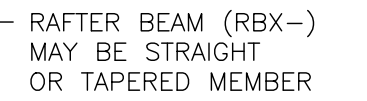
**REFER TO:**



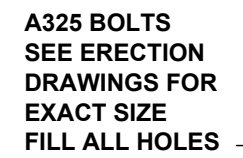
REV. DATE: 01/30/14	REV. NO. 00	<div style="text-align: center;"> <h1 style="margin: 0;">BASIC ERECTION GUIDE - STRUCTURAL</h1> </div>
<div style="text-align: center;"> <h2 style="margin: 0;">ENV002</h2> </div>		



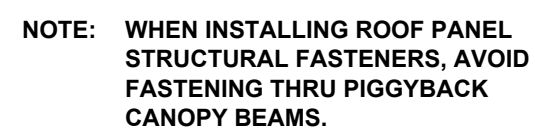
REV. DATE: 07/01/09	REV. NO. 00	<p style="text-align: center;"><b>RAKE BEAM CONNECTION TO ENDPOST</b></p>
<p style="text-align: center;"><b>PF10C2</b></p>		



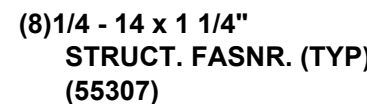
REV. DATE: 07/01/09	REV. NO. 00	<b>RAFTER BEAM CONNECTION</b> RAKE BEAM OR FULL FRAME
<b>PF03A1</b>		



REV. DATE: 07/01/09	REV. NO. 00	<h1>HAUNCH TO COLUMN CONNECTION</h1> <h2>TOP BOLTED COLUMN</h2>
<h3>PF01A1</h3>		



REV. DATE: 11/17/17	REV. NO. 01	<b>PIGGYBACK CANOPY BEAM ATTACHMENT TO INTERIOR FRAME</b>
<b>PE20C1</b>		



REV. DATE: 08/17/15	REV. NO. 05	<p><b>FLANGE BRACE ATTACHMENT</b></p> <p>DOUBLE WRBC2 TO SECONDARY</p>
BR07H1		

**FOR CONSTRUCTION**

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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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<b>D</b>	<b>VP Buildings</b>		
	<b>3200 Players Club Circle Memphis TN 38125</b>		
	<b>REV</b>	<b>DATE</b>	<b>BY</b>
<b>NTS</b>			
<b>6/1/2022</b>		<b>SEDSheet</b>	<b>8:11:56</b>

### PRIMARY BRACING SED'S

BUILDER	B3 Contractors
CUSTOMER	Arrowhead Transfer
LOCATION	Craig, Alaska
PROJECT	Arrowhead Shop
BUILDERS PO#	
FILENAME:	Arrowhesd Transfer Shop



12/05/2022











**C  
P  
R**

**1 W 1 B 3**

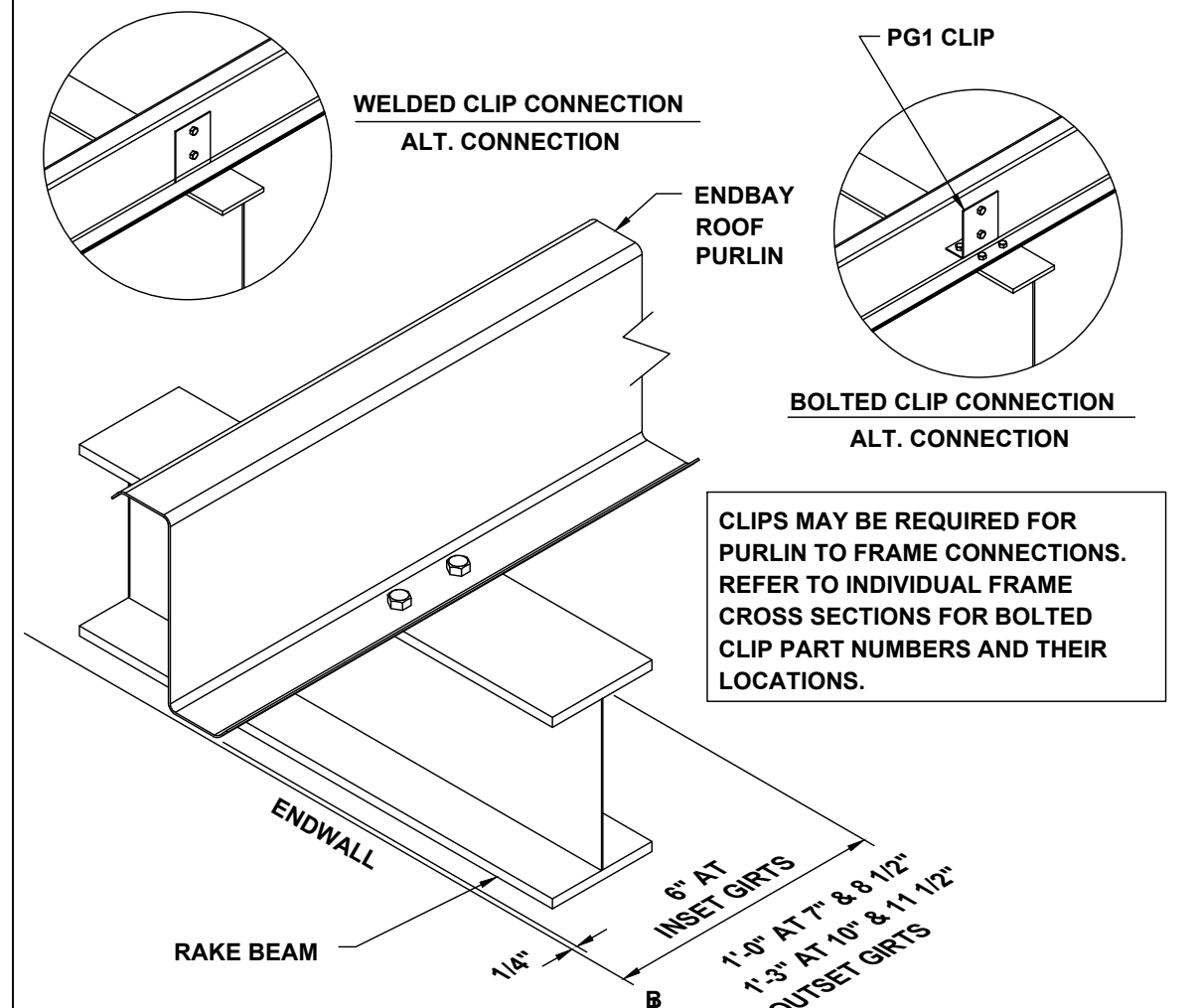
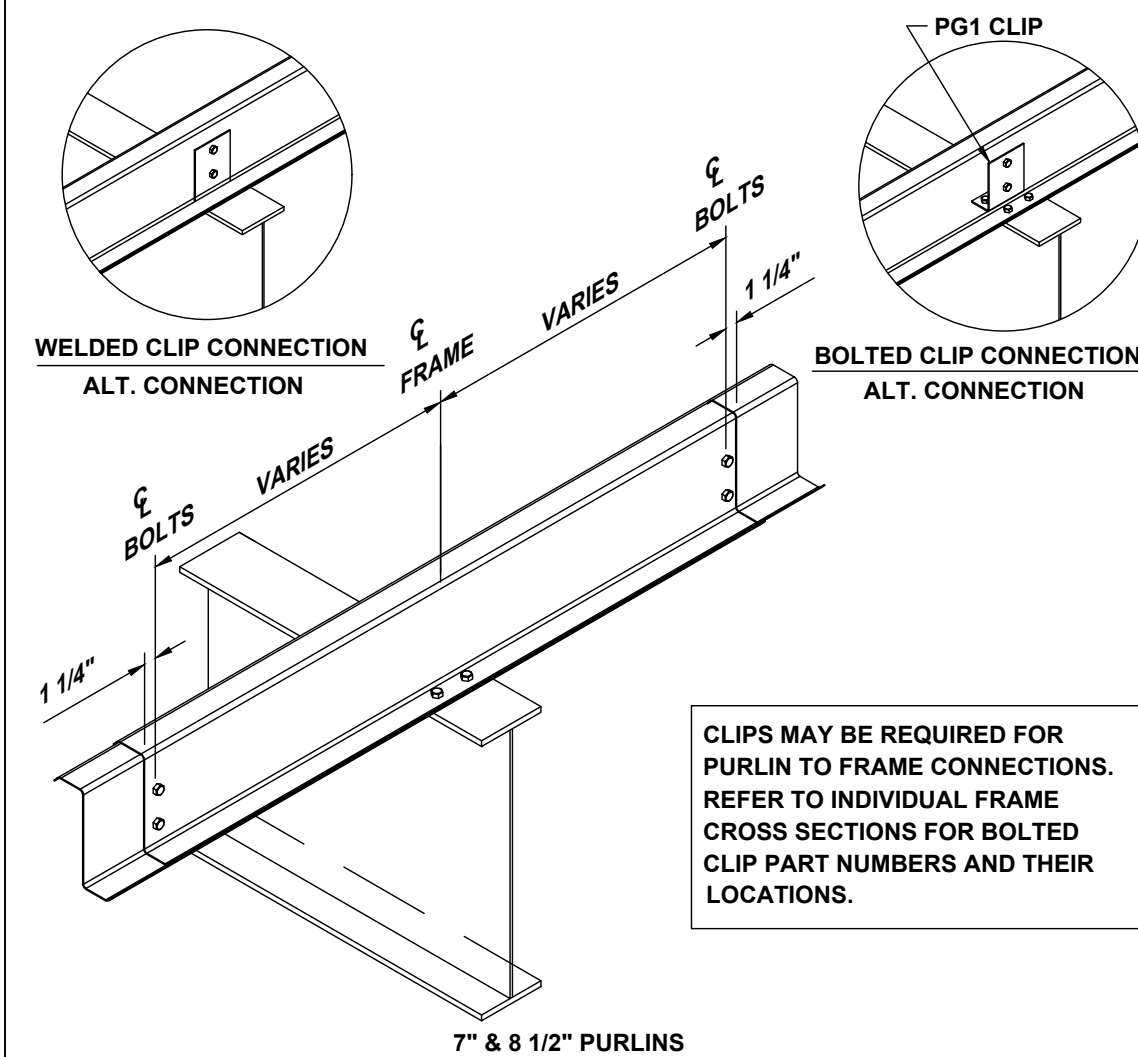
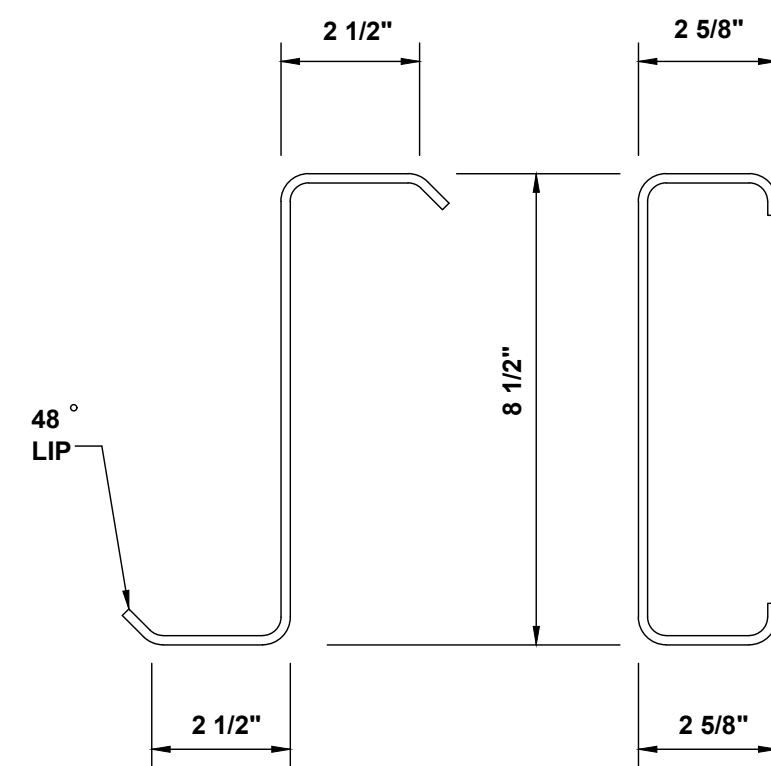
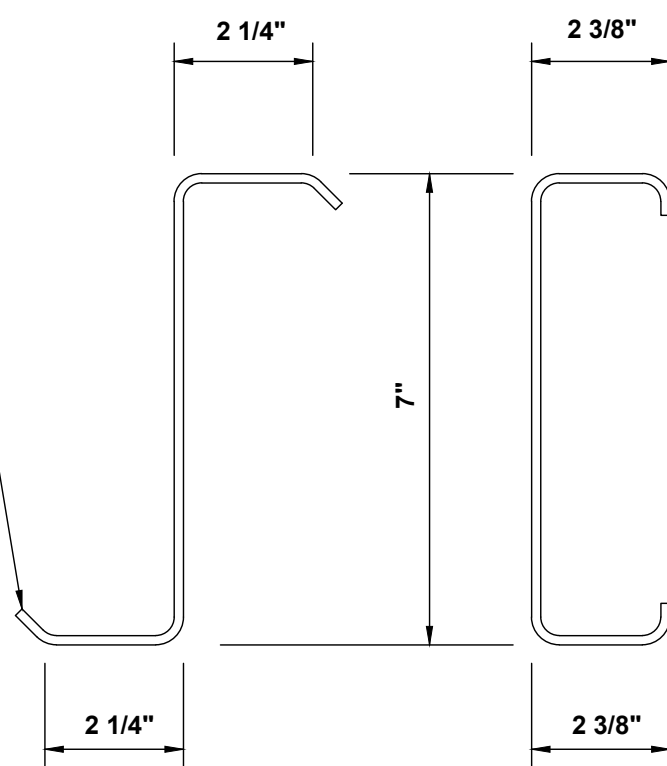
**BAY NUMBER**

**CANOPY (C)/PARTITION(P)/**

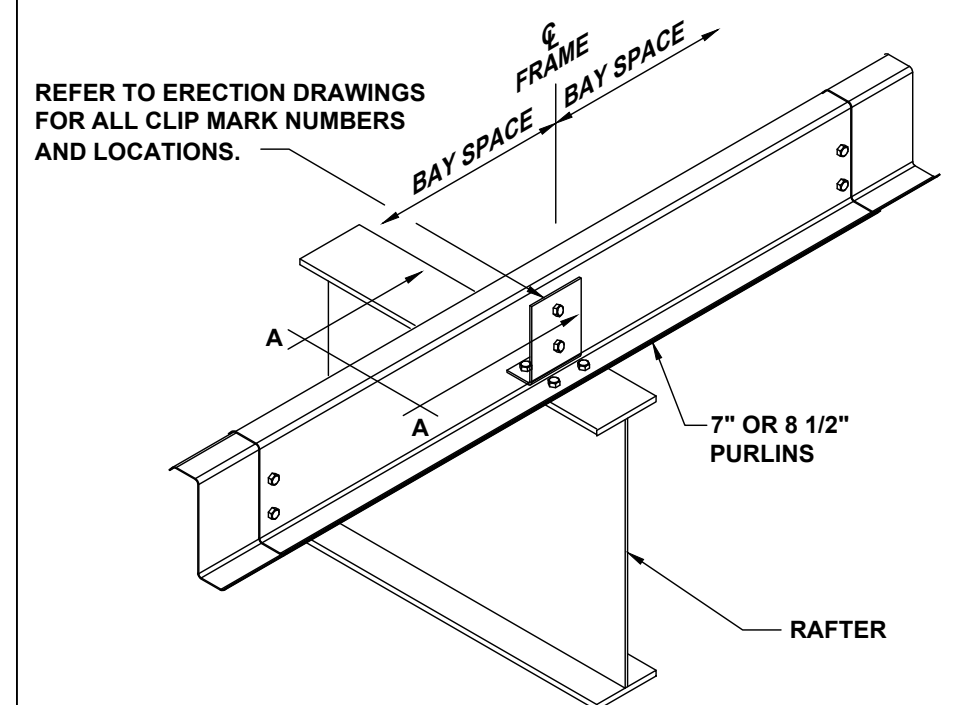
**ROOF(R)/WALL(W) NUMBER**

**BUILDING SHAPE**

**THE BAY/BUNDLE CODE IDENTIFIES THE BUILDING CANOPY/PARTITION/ROOF/WALL PLANE AND BAY**



The diagram illustrates two methods for connecting a purlin to a beam. On the left, 'SECTION "A" WELDED CLIP' shows a 7" purlin (EPC2) and an 8 1/2" purlin (EPC3) connected to a beam using a welded clip. On the right, 'SECTION "A" BOLTED CLIP' shows a 7" purlin (PC27) and an 8 1/2" purlin (ARC1) connected to a beam using a bolted clip.



**NOTE:** FIELD DRILL (2) 9/16" HOLES IN RAKE CHANNEL AT SIDEWALL EAVE STRUT.

**RAKE EXTENSION CHANNEL (RECB-) AT 7" PURLINS (RECB-) AT 8 1/2" PURLINS**

- \* (2) 1/2" A307 THIN HEAD BOLT (#96636) & NUT (#95032)
- ALL OTHER BOLTED CONNECTIONS USE THE STANDARD 1/2" X 1 1/2" A325 BOLTS (#49080).

**SECTION A-A**

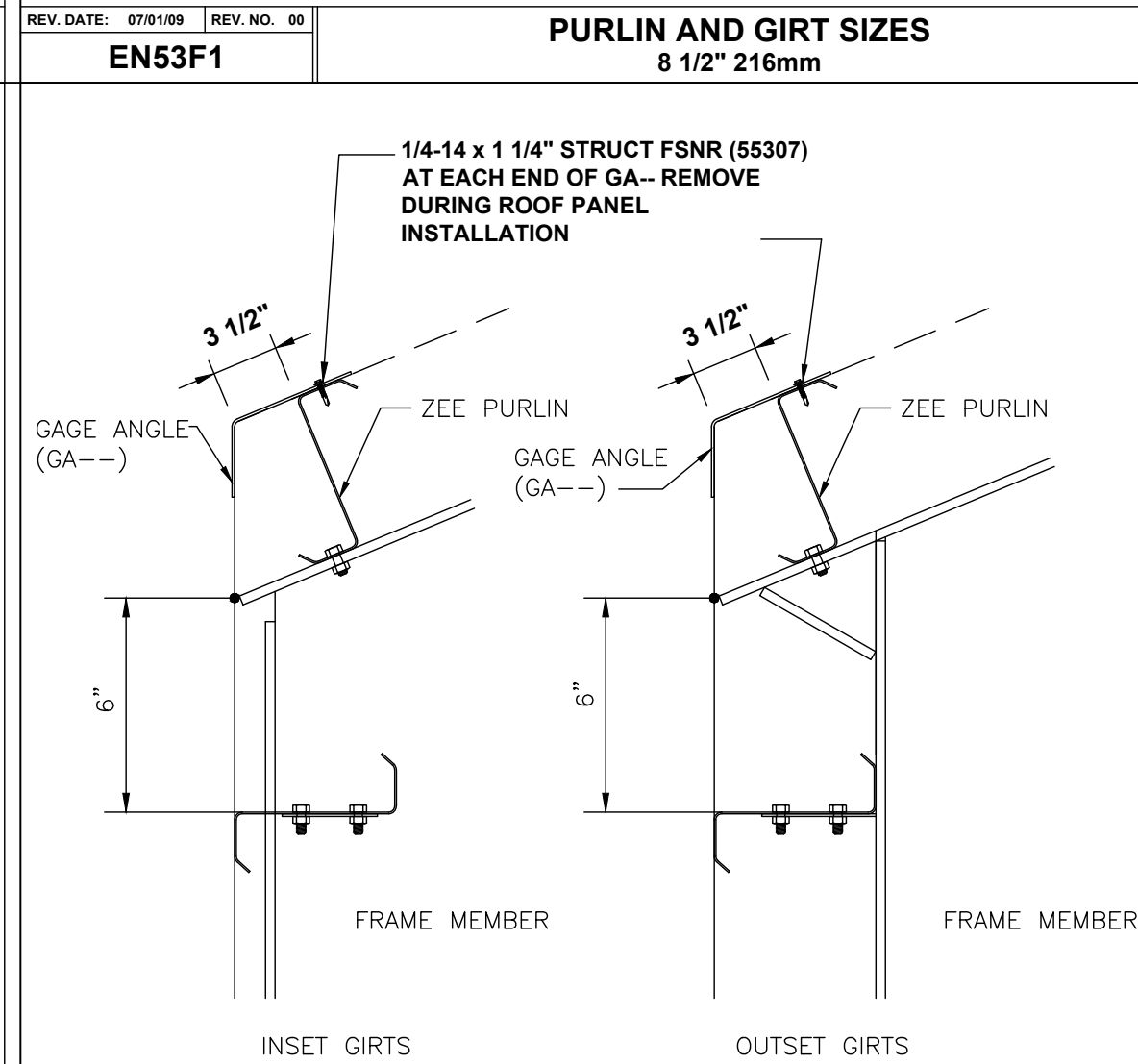
ROOF EXTENSION  
ECC3 CLIP  
SIDEWALL EAVE STRUT  
SIMPLE C PURLIN  
EXTENSION

**SECTION B-B**

ROOF EXTENSION  
GIRT FILLER ANGLE (GFA-)  
12-24 X 1 1/2" (#5104)  
JCP PLATE  
A

**7" & 8 1/2" PURLINS**

\*\* JCP PLATE WILL BE USED WHEN THE PURLIN IS LESS THAN 1'-6".



EAVE STRUT

(4) 1/2" A307 THIN HEAD BOLT (096636) & NUT (095032)

EAVE STRUT BRACE STRAP (ESBS\_)

SHIM PLATE (SEE CHART)

PLATE (EAP1)

SIDEWALL OR SOLDIER COLUMN

ROOF BEAM

BOLT EAVE STRUT AND EAP1 PLATE TO FRAME W/ (8) 1/2" X 2" A325 BOLT (097280)

SHIM PLATE	
ROOF PITCH RANGE	PART NUMBER
.25 TO 1.99	N/A
2.0 TO 2.49	N/A
2.5 TO 3.49	ESH1
3.5 TO 4.00	ESH2

LOW EAVE STRUT SHOWN - HIGH EAVE STRUT USES SIMILAR PARTS.

**NOTE:**  
EAP2 PLATE  
ONLY REQ'D.  
WHEN CALLED  
OUT ON FRAME  
CROSS SECTION

SHIM PLATE	
ROOF PITCH RANGE	PART NUMBER
.25 TO 1.99	N/A
2.0 TO 2.49	N/A
2.5 TO 3.49	ESH1
3.5 TO 4.00	ESH2

SHIM PLATE (SEE CHART)

PLATE (EAP2)

SIDEWALL OR SOLDIER COLUMN

ROOF BEAM

BOLT EAVE STRUT AND EAP2 PLATE TO FRAME W/ (6) 1/2" X 2" A325 BOLT (097280)

\*1'-0" AT 7' & 8 1/2' OUTSET  
1'-3" AT 10' & 11 1/2' OUTSET

LOW EAVE STRUT SHOWN - HIGH EAVE STRUT USES SIMILAR PARTS.

**PURLIN OR  
EAVE STRUT**

**INSERT PANEL CLIP  
ADAPTER (0543130)  
THRU HOLES AND  
BEND TABS AWAY  
FROM SPLICE.**

**PANEL CLIP ADAPTER**

**USE A PANEL CLIP ADAPTER AT THE ENDS OF PURLINS  
OR EAVE STRUTS WHERE A PANEL CLIP OR PANEL  
EAVE ATTACHMENT MUST BE MADE.**

ANCHORAGE STRUT  
0000JS\_TYP.

BRACE RODS (TYP.)  
(SEE ERECTION DWGS)

ALIGN STRUTS WITH CHANNEL BRACES

CHANNEL BRACES  
(SEE ERECTION DWGS)

ANCHORAGE STRUT LAYOUT - 1 OR 2 BRACES

---

ANCHORAGE STRUT  
0000JS\_TYP.

BRACE RODS (TYP.)  
(SEE ERECTION DWGS)

ALIGN STRUTS WITH CHANNEL BRACES

CHANNEL BRACES  
(SEE ERECTION DWGS)

ANCHORAGE STRUT LAYOUT - 3 OR 4 BRACES

SEE ERECTION DRAWINGS FOR PURLIN SPACING AND LOCATION OF ANCHORAGE STRUT

PURLIN

2 1/2"

ANCHORAGE STRUT (00008JS\_)

COMPOSITE PURLIN: SEE BR16J2 FOR IF REQ'D - DO NOT ATTACH TO STRUT

1"

(2) 1 1/4-14 (55307) FSNR. TYP. U.N.O.

(2) 1/2" A325 BOLTS (FIELD DRILL 9/16" DIA. HOLES AS REQUIRED)

(4) 1/2" A325 BOLTS (FIELD DRILL 9/16" DIA. HOLES AS REQUIRED)

ROD DIAMETER	CLEVIS PIN
3/8" or 1/2"	1 1/4" PIN

NOTES:

1. ALIGN ANCHORAGE STRUT (00008JS\_) BELOW CHANNEL BRACES.
2. ROD ANGLE ~45°

CLEVIS PIN W/ COTTER PIN (SEE CHART)

RWF\_PLATE (7RWF0762164)

ANCHORAGE STRUT

SECTION "A"

**NOTES:**  
ALL CONNECTIONS 1/2" X 1 1/2" A325 BOLTS (49080) TYPICAL U.N.  
\*\* EAVE STRUCTURAL CONN. 1/2" X 1 1/4" THIN HD A307 BOLT.  
\* TRIM ANGLE ONLY REQUIRED WHEN CALLED FOR ON THE ERECTION DRAWINGS.

The diagram illustrates the connection between a main building eave strut and a piggyback canopy extension. The main building eave strut is shown as a horizontal beam with a main frame column or rafter attached to its bottom. A piggyback canopy extension is attached to the top of the main building eave strut. The connection is secured with GCE-CLIP (bolted) and GCB-CLIP (welded) components. A trim angle (TA-) is attached to the piggyback canopy extension. The diagram also shows an optional soffit panel. The connection is labeled as SECTION A-A.

Labels in the diagram include:

- MAIN BUILDING EAVE STRUT
- GCB-CLIP (WELDED)
- MAIN FRAME COLUMN OR RAFTER
- OPTIONAL SOFFIT PANEL
- PIGGYBACK CANOPY
- PIGGYBACK CANOPY EXTENSION
- SEE FRAME CROSS SECTION FOR DIM.
- 1/4"-14 X 1 1/4" STRUCT FSNR (55307) USED TO ATTACH TA- TO EAVE STRUCTURAL AT 2'-0" O.C.
- MAIN BUILDING EAVE STRUT
- SECTION A-A

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 ERECT OF WALL AND ROOF SHEETS.
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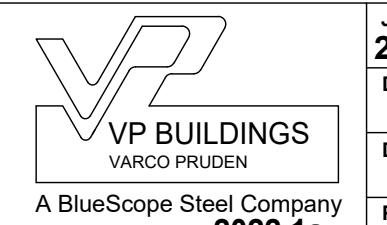
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<b>D</b>	<b>VP Buildings</b>		
	<b>3200 Players Club Circle Memphis TN 38125</b>		
<b>REV</b>	<b>DATE</b>	<b>BY</b>	<b>DESCRIPTION</b>
<b>NTS</b>			
<b>6/1/2022</b>		<b>SEDSheet</b>	<b>8:12:01</b>

BUILDER	<b>B3 Contractors</b>
CUSTOMER	<b>Arrowhead Transfer</b>
LOCATION	<b>Craig, Alaska</b>
PROJECT	<b>Arrowhead Shop</b>
BUILDERS PO#	

FILENAME: Arrowhesd Transfer Shop



JOBNO  
**21-028358-01**  
 DATE  
**06/09/2022**  
 DRAWN/CHECK  
**OE JS**  
 PAGE  
**14**

12/05/2022



Secondary Part Schedule

Mark	Part	Thick.	Depth	Lap	Detail
G1	00108ZS1807411B0	0.1130	8 1/2"		WS01K2, BRR052, WSR004
G2	00208ZS1807414B0	0.0790	8 1/2"		WS01K2, BRR052, WSR004
G3	00308ZS150241300	0.0880	8 1/2"		WSR004, WS01K2, WS04E2
G4	00408ZS050951400	0.0790	8 1/2"		WSR004, WS01K2, WS04E2
G5	00508ZS100561400	0.0790	8 1/2"		WSR004, WS04E2, WS01K2
G6	08Z1905412GG80	0.0980	8 1/2"		WS01K2
G7	08Z1905414GG80	0.0790	8 1/2"		WS01K2
G8	08Z1905413GG80	0.0880	8 1/2"		WS01K2
G9	00608ZS0606561400	0.0790	8 1/2"		WSR004, WS04E2, WS01K2
H1	00108JS0600017	0.0600	8 1/2"		WS20F9
J1	00208JS0304417	0.0600	8 1/2"		WS20FB, WS20F9, WS20B2, WS20H2

☐ Secondary Bracing Schedule

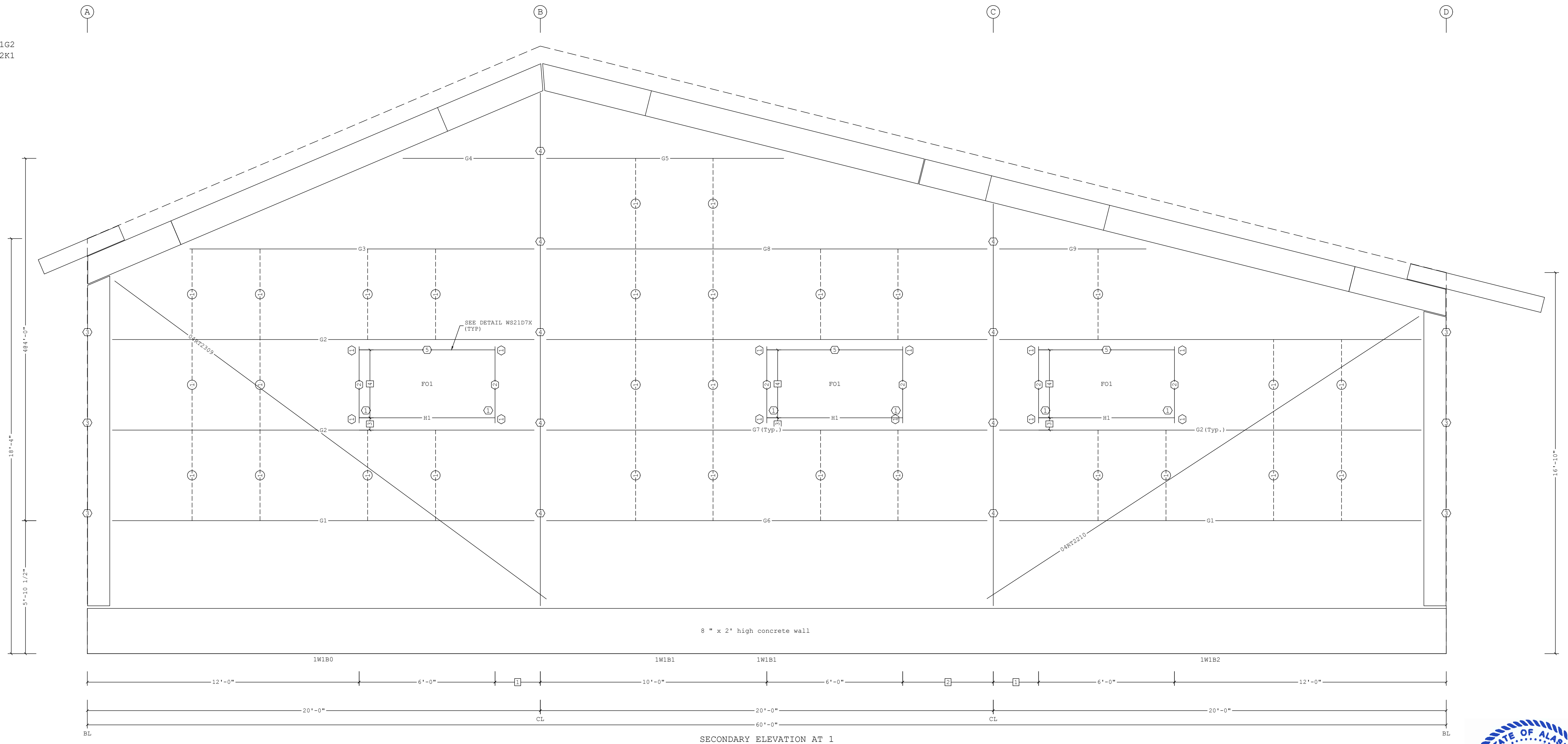
Id	Qty	Mark No	Spacing
1	29	CPBB040108	4'-0"
2	29	0097556	0'-0"
3	17	0544015	0'-0"

### Framed Opening Locations



Id	Width	Height	Sill Ht.	Frame	To	Dimen.	Description
FO1	6'-0"	3'-0"	10'-5"	BL	Jamb-L	12'-0"	6 X 3 WINDOW
FO1	6'-0"	3'-0"	10'-5"	1	Jamb-L	10'-0"	6 X 3 WINDOW
FO1	6'-0"	3'-0"	10'-5"	2	Jamb-L	2'-0"	6 X 3 WINDOW

### Bracing Part Schedule

Part	Qty	Length	Detail
04RT2309	1	23'-9"	BR02K1, BR01G2
04RT2210	1	22'-10"	BR01G2, BR02K1



		5	GAGLNX001
4	3'-0"	4	GFA106
3	6 1/2"	3	GFA200
2	4'-0"	2	J1
1	2'-0"	1	PG1

 Dimension Key
  Part Mark Key

 Dimension Key       Part Mark Key

Shape Name = shop, Wall = 1

**FOR CONSTRUCTION**

12/05/2022

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<b>D</b>	<b>VP Buildings 3200 Players Club Circle Memphis TN 38125</b>		
REV	DATE	BY	DESCRIPTION
NTS			

## SECONDARY ELEVATION AT 1

BUILDER	B3 Contractors
CUSTOMER	Arrowhead Transfer
LOCATION	Craig, Alaska
PROJECT	Arrowhead Shop
BUILDERS PO#	



JOBNO  
21-028358-01

DATE  
06/09/2022

DRAWN/CHECK  
OE JS

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SAVE DATE: 6/10/2022

SAVE TIME: 08:13:17

LAST SAVED BY: OEsquivel

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Secondary Part Schedule

Mark	Part	Thick.	Depth	Lap	Detail
G10	JCP051110	0.0790	8 1/2"		WSR004, WS20F2
G11	00108BB221141400	0.0790	8 1/2"		WSR004, WS01K2
G12	08Z2211412GGB0	0.0980	8 1/2"		WSR004, WS01K2, BRR052
G13	02508ZS221141400	0.0790	8 1/2"		WS01K2, WS30B1X
G14	08Z1801012GG00	0.0980	8 1/2"		WS01K2, WS20F2
G15	00208BB2211414B0	0.0790	8 1/2"		WSR004, WS01K2, BRR052
G16	08Z2211411GGB0	0.1130	8 1/2"		WSR004, WS01K2, BRR052
G17	08Z2211414GGB0	0.0790	8 1/2"		WS01K2, WS30B1X
H1	00108JS0600017	0.0600	8 1/2"		WS20F9
H2	00308JS0304417	0.0600	8 1/2"		WS20F9
J1	00208JS0304417	0.0600	8 1/2"		WS20FB, WS20F9, WS20B2, WS20H2
J2	00408JS0906617	0.0600	8 1/2"		WS20F9, WS20F2, WS20B2, WS20B8

Secondary Bracing Schedule

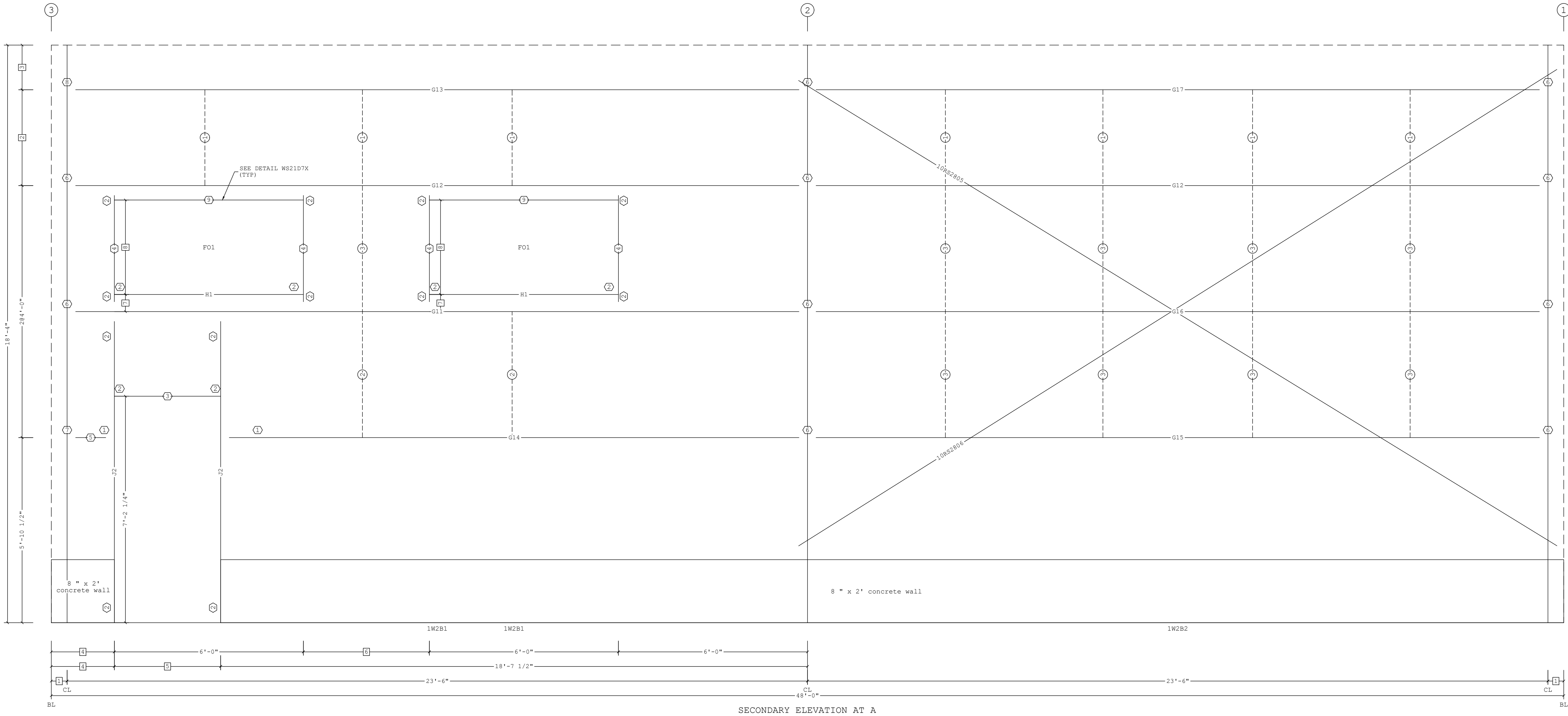
Id	Qty	Mark No	Spacing
1	7	CPBB030200	3'-0" 1/2"
2	2	CPBC040306	4'-0"
3	9	CPBB040108	4'-0"
4	17	0097556	0'-0"
5	7	0544015	0'-0"

Framed Opening Locations

Id	Width	Height	Sill Ht.	Frame	To	Dimen.	Description
FO1	6'-0"	3'-0"	10'-5"	1	Jamb-L	11'-6"	6 X 3 WINDOW
FO1	6'-0"	3'-0"	10'-5"	1	Jamb-L	1'-6"	6 X 3 WINDOW

Bracing Part Schedule

Part	Qty	Length	Detail
10RS2806	1	28'-6"	BR01G2
10RS2805	1	28'-5"	BR01G2



8	3'-0"	9	GAGLNX001
7	6 1/2"	8	GFA200
6	4'-0"	7	GFA206
5	3'-4 1/2"	6	GFA106
4	2'-0"	5	G10
3	1'-5"	4	J1
2	3'-0 1/2"	3	H2
1	6"	2	PG1
		1	JTG1

Dimension Key

Part Mark Key


Shape Name = shop, Wall = 2

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D				VP Buildings		FOR CONSTRUCTION	
3200 Players Club Circle Memphis TN 38125				SECONDARY ELEVATION AT A		12/05/2022	
REV	DATE	BY	DESCRIPTION	BUILDER	B3 Contractors	 A BlueScope Steel Company VPC VERSION: 2022.1a	
				CUSTOMER	Arrowhead Transfer		
				LOCATION	Craig, Alaska		
				PROJECT	Arrowhead Shop		
NTS				BUILDERS PO#		JOBNO 21-028358-01	
						DATE 06/09/2022	
						DRAWN/CHECK OE JS	
						PAGE 16	

SAVE DATE: 6/10/2022

SAVE TIME: 08:15:21

LAST SAVED BY: OEsquivel

FILENAME: C:\Users\oesquivel\OneDrive - BlueScope\Documents\Detailing\21-028358-01\CAD\18 Arrowhesd Transfer Shop\_SECONDARY ELEVATION AT A.dwg

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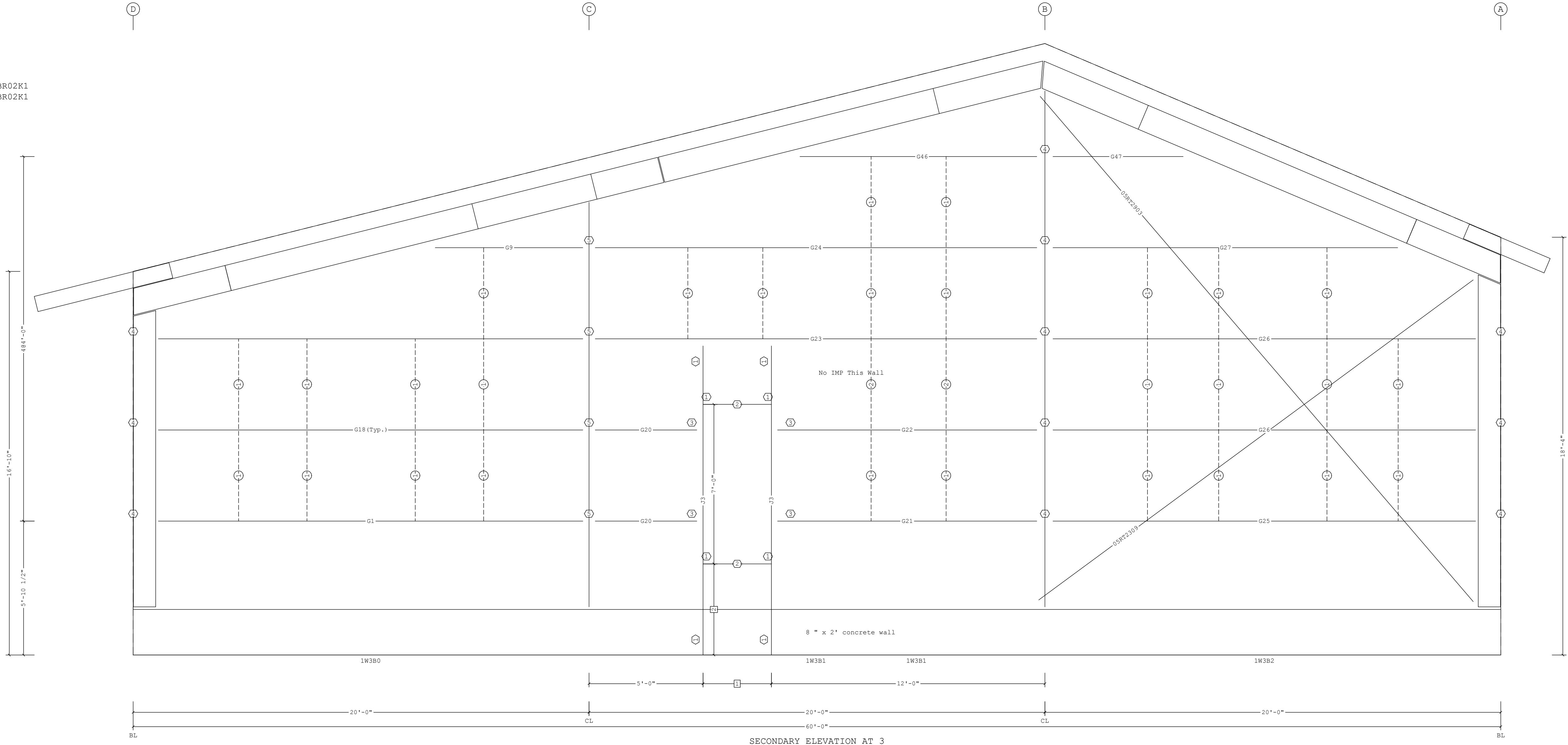
Secondary Part Schedule					Detail
Mark	Part	Thick.	Depth	Lap	
G1	00108ZS1807411B0	0.1130	8 1/2"		WS01K2, BRR052, WSR004
G18	01108ZS1807413B0	0.0880	8 1/2"		WS01K2, WSR004
G20	0820405414GG00	0.0790	8 1/2"		WS20F2, WS01K2
G21	01208ZS110441300	0.0880	8 1/2"		WS01K2, WS20F2
G22	01408ZS110441400	0.0790	8 1/2"		WS01K2, WS20F2
G23	00308BB190441400	0.0790	8 1/2"		WS01K2
G24	02608ZS1904413B0	0.0880	8 1/2"		BRR052, WS01K2
G25	02708ZS1806411B0	0.1130	8 1/2"		WSR004, BRR052, WS01K2
G26	02808ZS1806413B0	0.0880	8 1/2"		WSR004, BRR052, WS01K2
G27	01508ZS150141300	0.0880	8 1/2"		WSR004, WS04E2, BRR052, WS01K2
G46	01308ZS100461400	0.0790	8 1/2"		WSR004, WS01K2, WS04E2
G47	01808ZS050851400	0.0790	8 1/2"		WSR004, WS04E2, BRR052, WS01K2
G9	00608ZS060561400	0.0790	8 1/2"		WSR004, WS04E2, WS01K2
H3	00508JS0300014	0.0790	8 1/2"		WS20F9
J3	00608JS1306614	0.0790	8 1/2"		WS20F2, WS20FB, WS20F9, WS20B2, WS20B8

Secondary Bracing Schedule			
Id	Qty	Mark No	Spacing
1	28	CPBB040108	4'-0"
2	2	CPBC040306	4'-0"
3	30	0097556	0'-0"
4	12	0544015	0'-0"



12/05/2022

Bracing Part Schedule				Detail
Part	Qty	Length		
05RT2309	1	23'-9"		BR01G2, BR02K1
05RT2903	1	30'-10"		BR01G2, BR02K1




5	GFA106
4	GFA200
3	JTG1
2	H3
1	PG1

Dimension Key      Part Mark Key

Shape Name = shop, Wall = 3

FOR CONSTRUCTION

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REV	DATE	BY	DESCRIPTION																																			

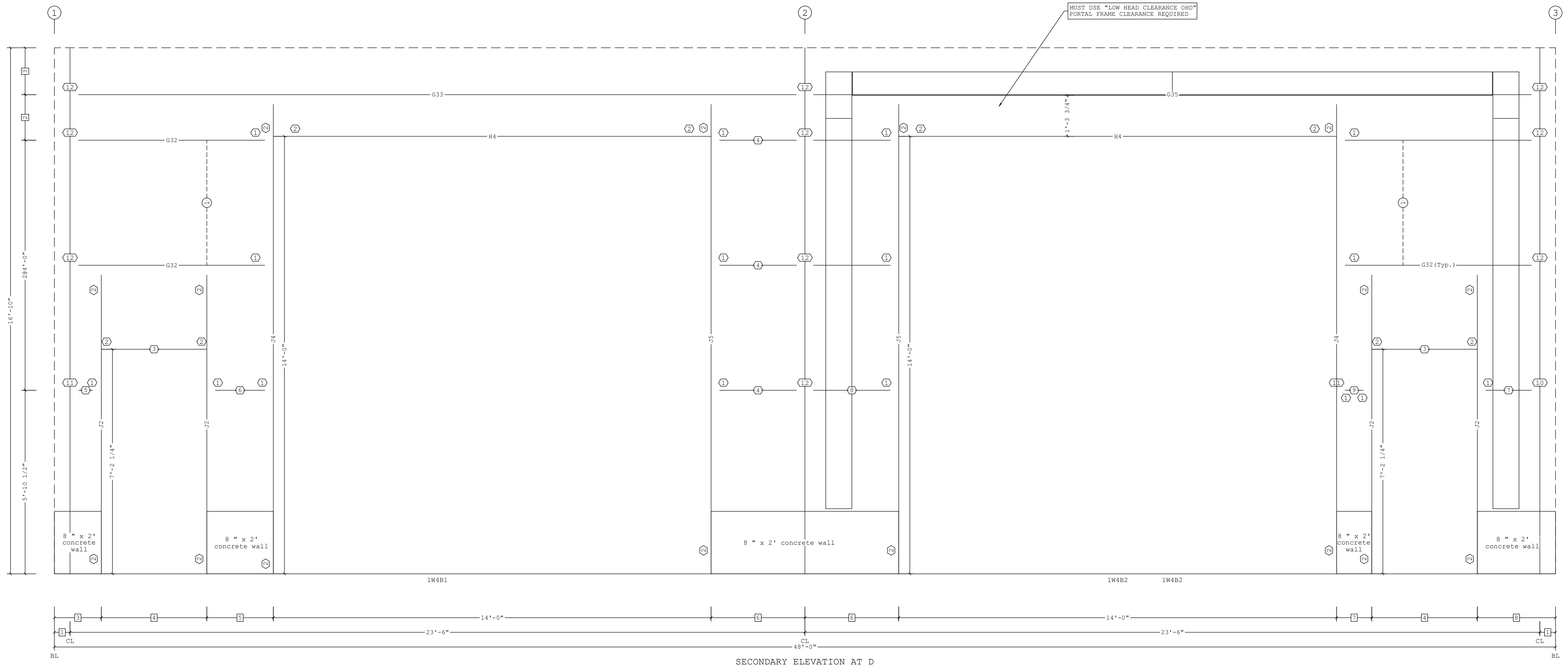


Secondary Part Schedule



Mark	Part	Thick.	Depth	Lap	Detail
G29	JCP051050	0.0790	8 1/2"		WSR004, WS20F2
G30	01908ZS010701400	0.0790	8 1/2"		WS20F2
G31	0820205414GG00	0.0790	8 1/2"		WS01K2, WS20F2
G32	0820511414GG00	0.0790	8 1/2"		WSR004, WS20F2
G33	00408BB2211413B0	0.0880	8 1/2"		WS01K2, WS30B1X
G34	0820105414GG00	0.0790	8 1/2"		WSR004, WS20F2
G35	00508BB2211413B0	0.0880	8 1/2"		WS01K2, WS30B1X
G36	JCP051064	0.0790	8 1/2"		WS20F2
H2	00308JS0304417	0.0600	8 1/2"		WS20F9
H4	00708JS1400017	0.0600	8 1/2"		WS20F9
J2	00408JS0906617	0.0600	8 1/2"		WS20F9, WS20F2, WS20B2, WS20B8
J4	00808JS1500211	0.1130	8 1/2"		WS20F9, WS20F2, WS20B2, WS20B8
J5	00908JS1500212	0.0980	8 1/2"		WS20F9, WS20F2, WS20B2, WS20B8

☐ Secondary Bracing Schedule

Id	Qty	Mark No	Spacing
1	2	CPBB040108	4'-0"



		12	GFA106
		11	GFA200
		10	GFA300
		9	G36
8	2'-6"	8	G31(Typ.)
7	1'-1 1/2"	7	G34
6	3'-0"	6	G30
5	2'-1 1/2"	5	G29
4	3'-4 1/2"	4	G31
3	1'-6"	3	H2
2	1'-5 1/2"	2	PG1
1	6"	1	JT61

 Dimension Key
 Part Mark Key

Shape Name = shop, Wall = 4

**FOR CONSTRUCTION**

12/05/2022


MODIFIED IN AUTOCAD

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D	VP Buildings 3200 Players Club Circle Memphis TN 38125			SECONDARY ELEVATION AT D			
	REV	DATE	BY	DESCRIPTION	BUILDER B3 Contractors	 VP BUILDINGS VARCO PRUDEN A BlueScope Steel Company VPS VERSION: 2022.1a	JOBN0 21-028358-01
					CUSTOMER Arrowhead Transfer		DATE 06/09/2022
					LOCATION Craig, Alaska		DRAWN/CHECK OE JS
					PROJECT Arrowhead Shop		PAGE 18
NTS				BUILDERS PO#			







ZEE GIRT SHOWN  
CEE GIRT SIMILAR

GIRT FILLER ANGLE  
(GFA-) W/ (4) 55307

GIRT CLIP (GCE-) MAY BE SHOP  
WELDED (GCB\_ OR GCL)

7 , 8 1/2", 10" GIRTS

**GIRT CONN. AT COLUMN**  
SPECIAL SET OR FLUSH GIRTS OR INSET LARGE FLANGES

WS01K2

RAKE BEAM

GABLE GIRT CLIP  
(GC19-), AT 7" & 10" GIRT (RIGHT SHOWN)  
(GC18-) AT 8 1/2" GIRT  
(GC20-) AT 11 1/2" GIRT

**GABLE GIRT CONN. TO RAKE BEAM**  
INSET GIRTS

WS04E2

**OPTION**  
FOR FO'S UP TO 9' X 9' USE (3) 1/4"-14 X 1 1/4" SDS (55307) LOCATED APPROX AS SHOWN.  
NO CLOSER THAN 3/8" FROM EDGE OF CLIP OR HOLES. SCREW SPACING NOT LESS THAN 3/4" APART.

FIELD LOCATE AND DRILL (2) 9/16" DIAMETER HOLES IN ZEE GIRT TO ATTACH JAMB (2) 1/2" X 1 1/2" A325 BOLT (49080)

ZEE GIRT (JAMB SUPPORT GIRT)

(2) 1/2" A307 THIN HEAD BOLT (096636) & NUT (095032)

JAMB, SINGLE OR DOUBLE

DOUBLE JAMB CONNECTION

SEE SECTION BELOW

JAMB CAN BE 1 1/2" DEEPER THAN THE JAMB SUPPORT GIRT. (ONLY EXCEPTION: 11 1/2" JAMB CAN BE USED W/ 8 1/2" GIRT) ALIGN JAMB AND GIRT AT BL.

PG1 CLIP = 3 3/4" AT 7", 8 1/2", 10" GIRTS  
PGV1067 CLIP = 4 3/4" AT 11 1/2" GIRTS

**JAMB TO GIRT**  
SINGLE OR DOUBLE JAMB, ANY ZEE GIRT

WS20B2

JAMB, SINGLE OR DOUBLE

JAMB BASE CLIP (PG1)

1/2" ANCHOR RODS WITH HARDENED WASHER

CONCRETE FSNR AT 24" O.C. (BY BUILDER)

BASE MEMBER

JAMB CAN BE 1 1/2" DEEPER THAN THE JAMB SUPPORT GIRT. ALIGN JAMB AND GIRT AT BL.

DOUBLE JAMB CONNECTION

SECTION A-A

SECOND CEE ON A DOUBLE JAMB IS HELD BACK 6" FROM EACH END OF MAIN JAMB.

**JAMB BASE ATTACHMENT**  
SINGLE OR DOUBLE JAMB

WS20B8

GIRT TO JAMB CLIP	JAMB DEPTH			
	7"	8 1/2"	10"	11 1/2"
7"	JTG3	JTG6		
8 1/2"		JTG1	JTG5	JTG7
10"			JTG4	JTG2
11 1/2"				JTG2

(2) 1/2" X 1 1/2" A325 BOLT (49080)

DIM. A

3 1/4" AT 7", 8 1/2", 10" JAMB  
6 1/4" AT 11 1/2" JAMB

(2) 1/2" A307 THIN HEAD BOLT (096636) & NUT (095032)

GIRT CLIP (SEE CHART)

ZEE GIRT SHOWN  
CEE GIRT SIMILAR

JAMB CAN BE 1 1/2" DEEPER THAN THE JAMB SUPPORT GIRT. (ONLY EXCEPTION: 11 1/2" JAMB CAN BE USED W/ 8 1/2" GIRT) ALIGN JAMB AND GIRT AT BL.

**GIRT TO JAMB**  
SINGLE JAMB

WS20F2

HEADER TO JAMB CLIP (PG1)

DOOR HEADER

SINGLE JAMB

(4) 1/2" A307 THIN HEAD BOLT (096636) & NUT (095032)

SECTION A-A

**HEADER TO JAMB**  
ANY HEADER, ANY SINGLE JAMB

WS20F9

SILL TO JAMB CLIP (PG1)

SILL

SINGLE JAMB

(4) 1/2" A307 THIN HEAD BOLT (096636) & NUT (095032)

SECTION A-A

**SILL TO JAMB**  
ANY SILL, ANY SINGLE JAMB

WS20FB

**OPTION**  
FOR FO'S UP TO 9' X 9' USE (3) 1/4"-14 X 1 1/4" SDS (55307) LOCATED APPROX AS SHOWN.  
NO CLOSER THAN 3/8" FROM EDGE OF CLIP OR HOLES. SCREW SPACING NOT LESS THAN 3/4" APART.

(2) 1/2" A307 THIN HEAD BOLT (096636) & NUT (095032)

FIELD LOCATE AND DRILL (2) 9/16" DIAMETER HOLES IN ZEE GIRT TO ATTACH JAMB (2) 1/2" X 1 1/2" A325 BOLT (49080)

SINGLE JAMB

JAMB BASE CLIP

ZEE GIRT

SEE SECTION BELOW

JAMB CAN BE 1 1/2" DEEPER THAN THE JAMB SUPPORT GIRT. (ONLY EXCEPTION: 11 1/2" JAMB CAN BE USED W/ 8 1/2" GIRT) ALIGN JAMB AND GIRT AT BL.

PG1 CLIP = 3 3/4" AT 7", 8 1/2", 10" GIRTS  
PGV1067 CLIP = 4 3/4" AT 11 1/2" GIRTS

**JAMB BASE TO GIRT**  
ALL JAMB AND GIRT DEPTHS

WS20H2

CORNER COLUMN

ENDWALL GIRT

SINGLE JAMB

JAMB BASE CLIP

ZEE GIRT

GIRT CLIP (BOLTED)(WELDED) (GC5) (GC2) AT 8 1/2" GIRT (GCE\_) (GCB\_) AT 10" GIRT

8 1/2" & 10" INSET SIDEWALL GIRT

GIRT CLIP (BOLTED)(WELDED) (GC34\_)(GC65\_) AT 7" GIRT (GC34\_)(GC65\_) AT 8 1/2" GIRT (GC62\_)(GC66\_) AT 10" GIRT (GC63\_)(GC67\_) AT 11 1/2" GIRT

GIRT FILLER ANGLE (GFA-) W/ (3) 55307

\*\*\* - SEE DETAIL WSR007 FOR BOLTED CLIP TO 7" GIRT

8 1/2" & 10" INSET SW GIRTS

**GIRT CONN. AT CORNER COLUMN**  
ANY INSET GIRT AT EW, INSET GIRT AT SW

WSR004

RAKE BEAM

GIRT CLIP (PG1) FIELD BOLT

SECTION A-A

FIELD LOCATE AND DRILL (2) 9/16" DIA HOLES IN RAFTER

EAVE GIRT - ZEE GIRT SHOWN CEE GIRT SIMILAR

SIDEWALL

**EAVE GIRT CONN. AT RAKE BEAM**  
3-PLATE RAKE BEAM

WS30B1X

DOOR HEADER CHANNEL GAGLNX001

ZEE GIRT

SINGLE JAMB SHOWN - DOUBLE JAMB SIMILAR

1/4-14 x 1 1/4" STRUCT FSNR (55307) 12" O.C.

DOOR HEADER CHANNEL

TEMPORARILY ATTACH DOOR HEADER CHANNEL W/ 1/4-14 x 1 1/4" STRUCT FSNR (55307) 4'-0" O.C.

SECTION A-A

**DOOR HEADER CHANNEL CONN.**  
ANY ZEE GIRT, ANY JAMB

WS21D7X

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.

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REV	DATE	BY	DESCRIPTION
NTS			
6/1/2022 SEDSheet 8:12:10			

<b>VP Buildings</b> 3200 Players Club Circle Memphis TN 38125	<b>B3 Contractors</b> Arrowhead Transfer	 VARCO PRUDEN A BlueScope Steel Company VPC VERSION: 2022.1a	JOBNO 21-028358-01
	Craig, Alaska		DATE 06/09/2022
	Arrowhead Shop		DRAWN/CHECK OE JS
			PAGE 20
FILENAME: Arrowhesd Transfer Shop		a division of BlueScope Buildings North America, Inc.	

**FOR CONSTRUCTION**



12/05/2022

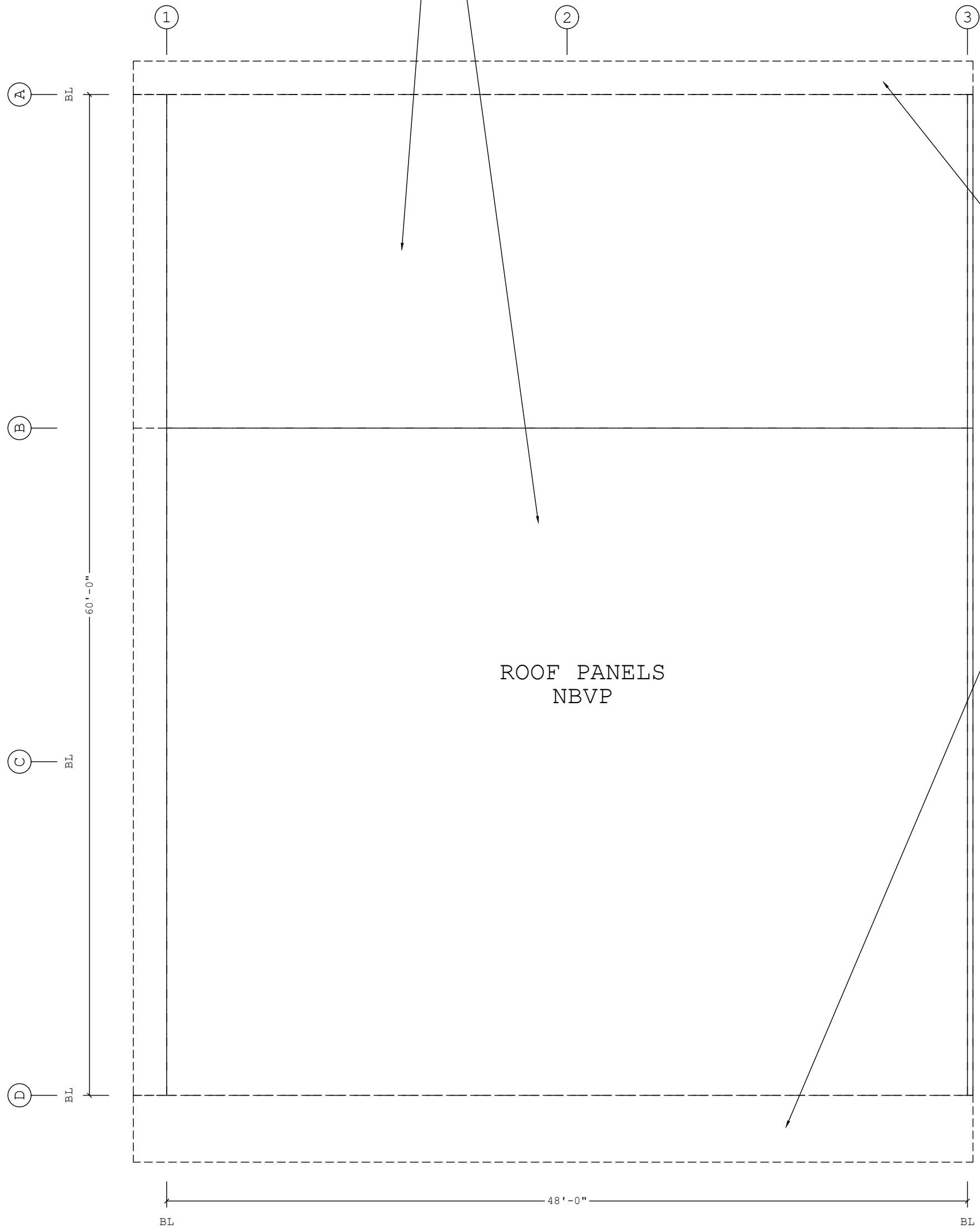


Each Roof panel design requires the following:

Panel Fastening:  
Thru Screws END: 0  
Thru Screws INT: 0  
    Fablocks END: 3  
    Fablocks INT: 3  
Screws per Clip: 2

Each Canopy panel design requires the following:

Panel Fastening:  
Thru Screws END: 3  
Thru Screws INT: 3  
    Fablocks END: 0  
    Fablocks INT: 0  
Screws per Clip: 2



Accessory Schedule		
Qty	Color	Description
4	Dove Grey	3070 Door 3" Fineline/Shallow Plank/Light Mesa 30



12/05/2022

Shape Name = shop, Shape = shop, Shape = shop, Shape = warehouse, Shape = warehouse, Shape = lean to, Shape = lean to


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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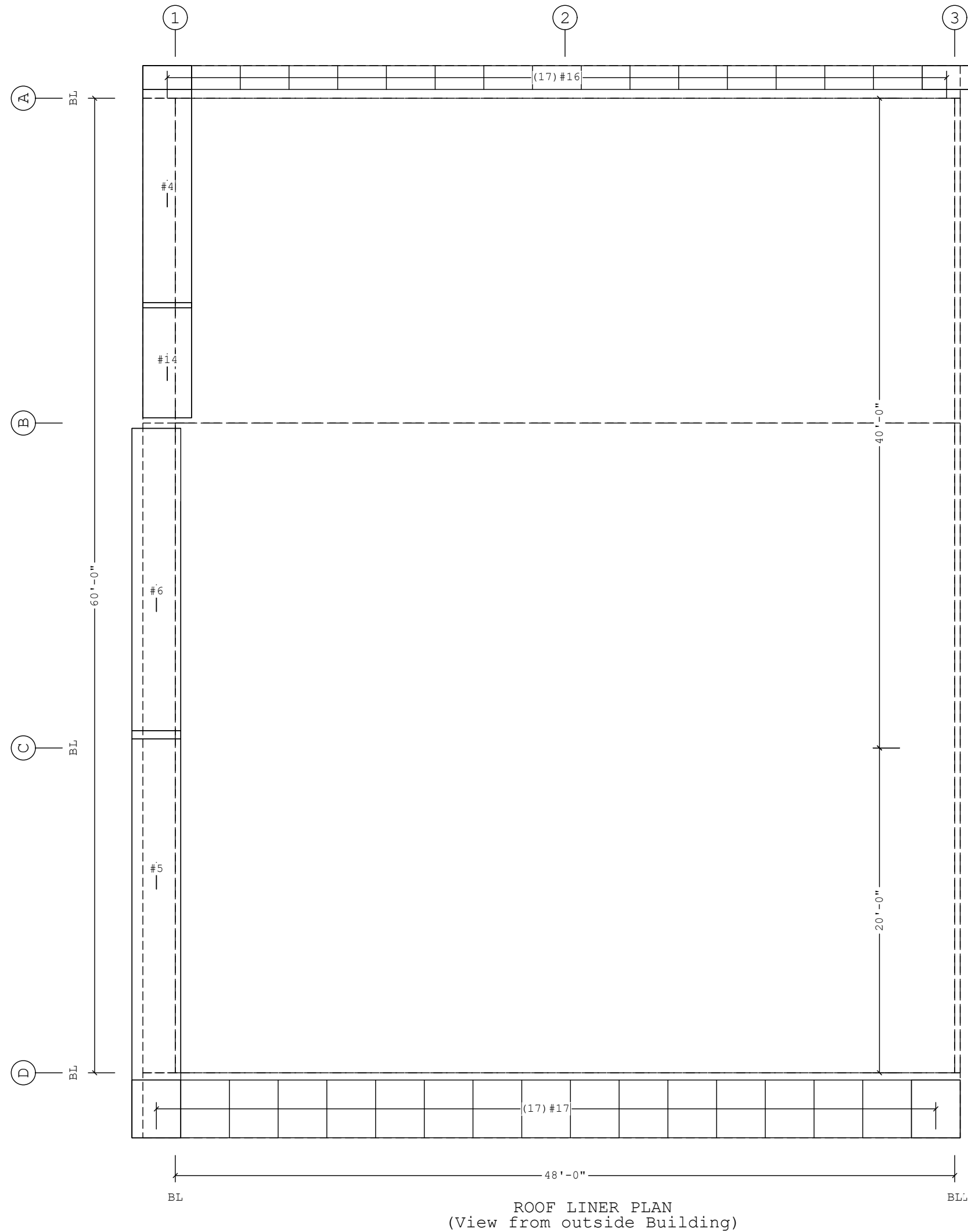
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3200 Players Club Circle Memphis TN 38125								
REV	DATE	BY	DESCRIPTION	BUILDER	B3 Contractors		 VP BUILDINGS VARCO PRUDEN  A BlueScope Steel Company VPC VERSION: 2022.1a	JOBNO
1	07/13/2022	OE	REVISED COLOR	CUSTOMER	Arrowhead Transfer			21-028358-01
				LOCATION	Craig, Alaska			DATE
				PROJECT	Arrowhead Shop			06/09/2022
				BUILDERS PO#				DRAWN/CHECK
NTS							OE	JS
							PAGE	21



JOBNO  
21-028358-01  
DATE  
06/09/2022  
DRAWN/CHECK  
OE JS  
PAGE  
21



Liner/Soffit Schedule									
Id	Qty	Type	Length	Gage	OP	Finish	Color	Direction	Details
#4	1	PR	16'-2 1/4"	26	1	K	GG	Left to Right	RC30B4X,RCV014X
#5	1	PR	25'-9 1/8"	26	1	K	GG	Left to Right	RC30B4X,RCV014X
#6	1	PR	19'-7 7/8"	26	1	K	GG	Left to Right	RC30B4X,RCV014X
#14	1	PR	7'-9 3/8"	26	1	K	GG	Left to Right	RC30B4X,RCV014X
#16	17	PR	1'-6 5/8"	26	1	K	GG	Left to Right	RC30B4X,RCV014X
#17	17	PR	3'-7 7/8"	26	1	K	GG	Left to Right	RC30B4X,RCV014X
Oper. Code:l=SQ, SQ									
Finish:K=KXL (Kynar)									
Color:GG=Cool Granite Gray									



12/05/2022

Shape Name = shop, Shape = shop, Shape = shop, Shape = warehouse, Shape = warehouse, Shape = lean to, Shape = lean to

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		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.		<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>		<div>ROOF LINER PLAN</div>		<div><div><div><div><div></div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2022.1a</div></div></div><div><div>JOBNO</div><div>21-028358-01</div><div>DATE</div><div>06/09/2022</div><div>DRAWN/CHECK</div><div>OE JS</div><div>PAGE</div><div>22</div></div></div>	
2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.								<div>REV</div> <div>DATE</div> <div>BY</div> <div>DESCRIPTION</div>		<div>BUILDER</div> <div>B3 Contractors</div>			
3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.										<div>CUSTOMER</div> <div>Arrowhead Transfer</div>			
4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.										<div>LOCATION</div> <div>Craig, Alaska</div>			
										<div>PROJECT</div> <div>Arrowhead Shop</div>			
										<div>BUILDERS PO#</div>			
								NTS					



Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction
#1	6	TCP30	17'-3 1/4"	26	1	X	01	1'-5 7/8"	Left to Right
#2	1	TCP30	24'-11"	26	1	X	01		Left to Right
#3	11	TCP30	24'-2"	26	1	X	01	-10 1/2"	Left to Right

Oper. Code:l=SQ, SQ  
Finish:X=Special Request  
Color:01=Dove Grey

Trim Schedule

Id	Parts
T1	(5.1)F5984-26-12, (3)PBA20, (3)PSA20
T2	F5988-26-12, (1.0)F5993-26-12
T3	F5033-26-12, (1.0)F5986-26-12, F5988-26-12
T4	(1.0)F5128-26-12, F5988-26-12
T5	(2)GAC1040, (2)NLTA10, NLTA05, (2)CSA0112L, (2)CSA1061L, (10)CSA1102L, CSA1107L
T6	(3)GAC1040, (4)NLTA10, NLTA05, 4CS1036R, (3)CSA1027R, (24)CSA1102R, CSA1093R
T7	(2)F5139-26-12, (2)SCT12B-26-12

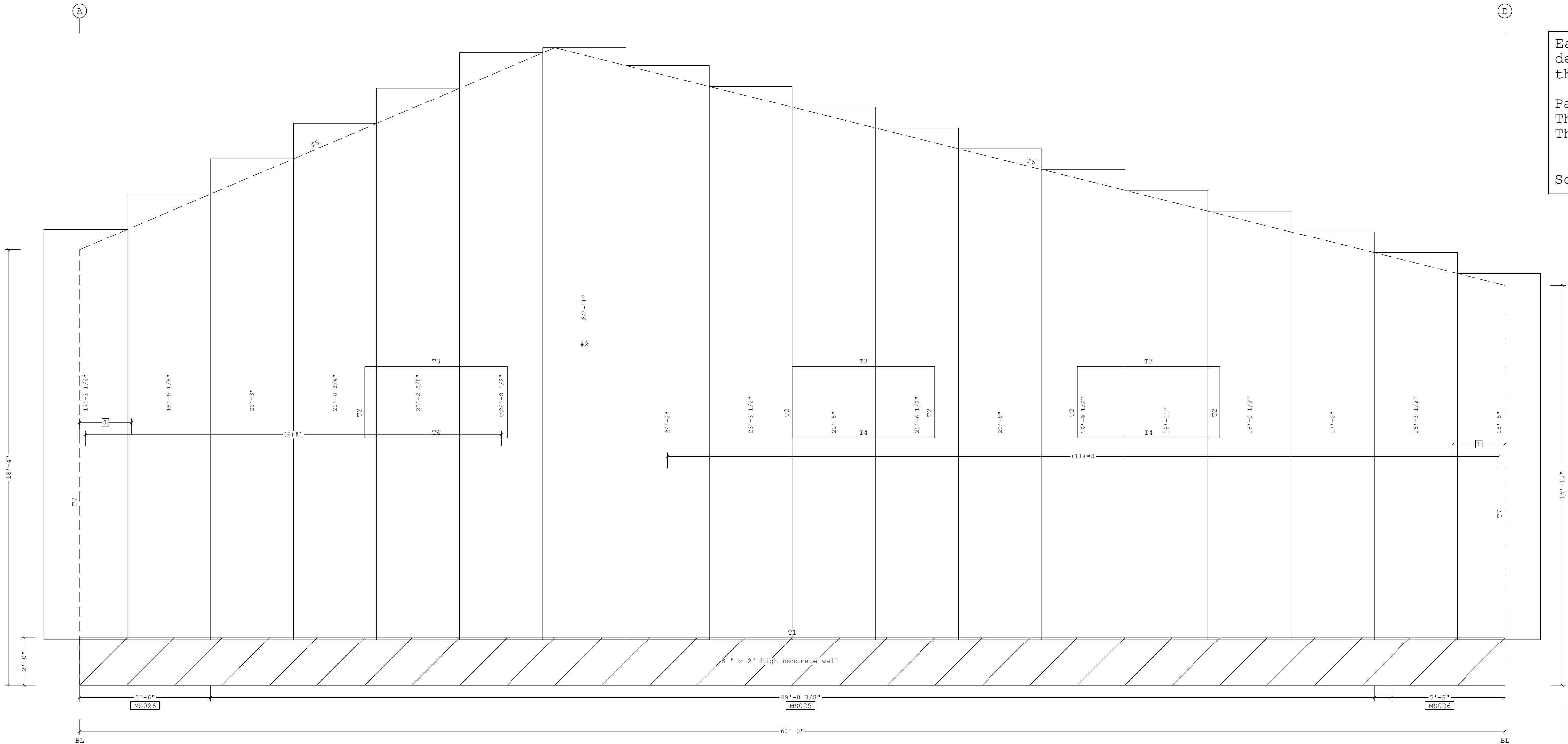
Color
Dove Grey
Dove Grey
Dove Grey
Dove Grey
Dove Grey
Dove Grey
Dove Grey

Details

EN52L5, MS003, MS018, MS035, WCV128
MS013, MS035
MS011, MS018, MS035
MS015, MS018, MS035
RC30PE, RC80E2, RC80E3, RC80G1, RC80G4, WC12K3
RC30PE, RC80E2, RC80E3, RC80G1, RC80G4, WC12K3
MS007, MS035

Planograph Schedule

Id	Details
T1	B-081517, S-080879
T2	B-080830, B-FRMOP2, B-FRMOP3, B-FRMOP4, S-080879
T3	B-080830, B-FRMOP2, B-FRMOP3, B-FRMOP4, S-080879
T4	B-FRMOP2, B-FRMOP3, B-FRMOP4, S-080879
T5	
T6	
T7	B-081398, B-081517, S-080879



1 2'-2 1/4" Scribe Line  
Dimension Key

Shape Name = shop, Wall = 1


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
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- DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
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D				VP Buildings		COVERING ELEVATION AT 1	
3200 Players Club Circle Memphis TN 38125							
REV	DATE	BY	DESCRIPTION	BUILDER	B3 Contractors	 <div>JOBNO 21-028358-01 DATE 06/09/2022 DRAWN/CHECK OE JS PAGE 23</div>	
1	07/13/2022	OE	REVISED PANEL GAGE	CUSTOMER	Arrowhead Transfer		
				LOCATION	Craig, Alaska		
				PROJECT	Arrowhead Shop		
				BUILDERS PO#			
NTS							

SAVE DATE: 6/10/2022

SAVE TIME: 09:14:33

LAST SAVED BY: OEsquivel

a division of BlueScope Buildings North America, Inc.

MODIFIED IN AUTOCAD

FILENAME: C:\Users\oesquivel\OneDrive - BlueScope\Documents\Detailing\21-028358-01\CAD\25 Arrowhesd Transfer Shop\_COVERING ELEVATION AT 1.dwg



Covering Schedule

Id	Qty	Type	Start Length	OP	Fin.	Color	Direction
#15 14	TCP30	16'-2 1/2"	Gage 26	1	X	01	Left to Right
Oper. Code:l=SQ, SQ							
Finish:X=Special Request							
Color:01=Dove Grey							

Trim Schedule

Id	Parts
T1	(0.2) F5984-26-12, (0.1) PBA20, (0.1) PSA20
T2	(3.6) F5984-26-12, (2.1) PBA20, (2.1) PSA20
T3	F5988-26-12, (1.0) F5993-26-12
T4	F5033-26-12, (1.0) F5986-26-12, F5988-26-12
T5	(1.0) F5128-26-12, F5988-26-12

Color

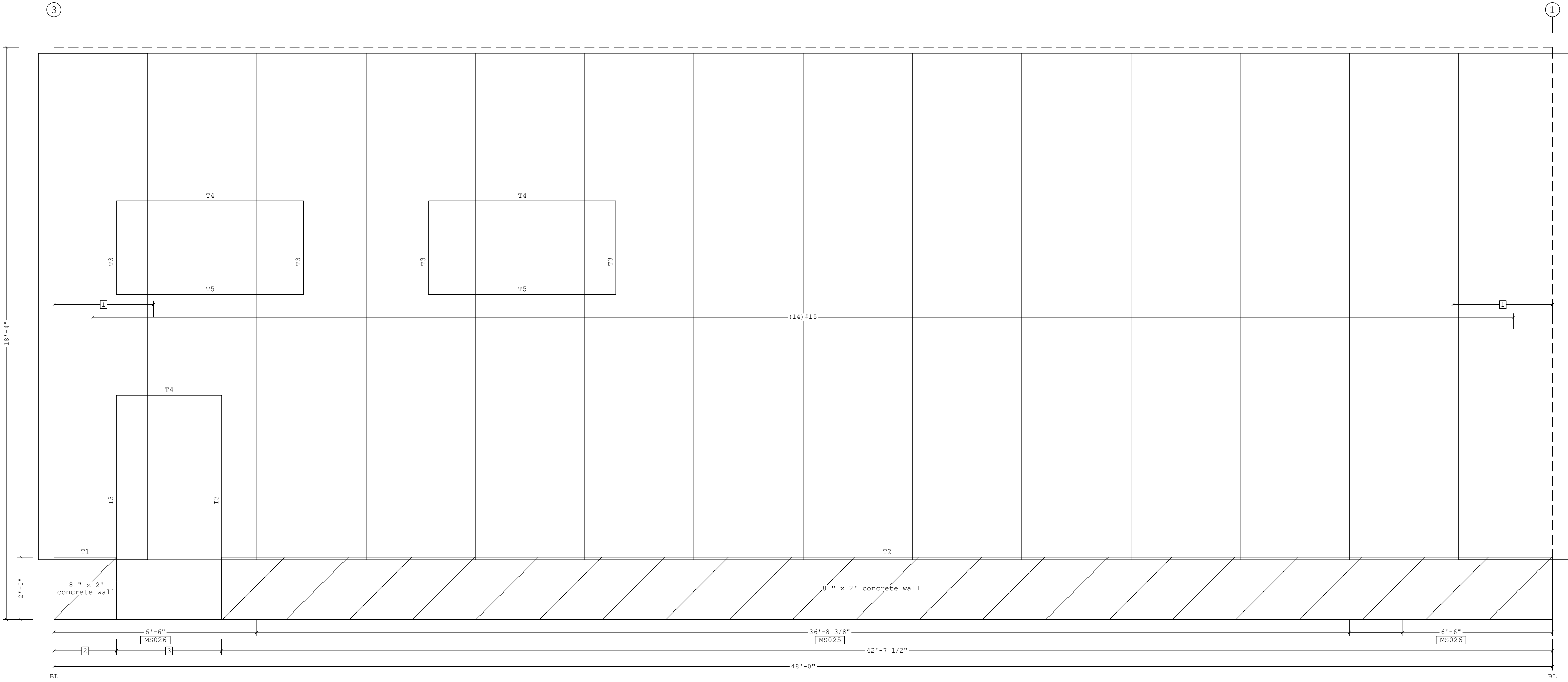
Dove Grey
Dove Grey
Dove Grey
Dove Grey
Dove Grey

Details

EN52L5, MS003, MS018, MS035, WCV128
EN52L5, MS003, MS018, MS035, WCV128
MS013, MS035
MS011, MS018, MS035
MS015, MS018, MS035

Planograph Schedule

Id	Details
T1	B-081517, S-080879
T2	B-081517, S-080879
T3	B-080830, B-FRMOP2, B-FRMOP3, B-FRMOP4, S-080879
T4	B-080830, B-FRMOP2, B-FRMOP3, B-FRMOP4, S-080879
T5	B-FRMOP2, B-FRMOP3, B-FRMOP4, S-080879



COVERING ELEVATION AT A

Each Wall panel design requires the following:

Panel Fastening:

Thru Screws END: 0

Thru Screws INT: 0

Fablocks END: 3

Fablocks INT: 3

Screws per Clip: 2

- 3 3'-4 1/2"
- 2 2'-0"
- 1 3'-2 1/4" Scribe Line
- ☐ Dimension Key

Shape Name = shop, Wall = 2

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.	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.	<div>D</div> <table><tr><th>REV</th><th>DATE</th><th>BY</th><th>DESCRIPTION</th></tr><tr><td>1</td><td>07/13/2022</td><td>OE</td><td>REVISED PANEL GAGE</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>NTS</td></tr></table>	REV	DATE	BY	DESCRIPTION	1	07/13/2022	OE	REVISED PANEL GAGE																NTS	VP Buildings 3200 Players Club Circle Memphis TN 38125		COVERING ELEVATION AT A	
				REV	DATE	BY	DESCRIPTION																								
				1	07/13/2022	OE	REVISED PANEL GAGE																								
			NTS																												
BUILDER B3 Contractors		<div> VARCO PRUDEN A BlueScope Steel Company VPC VERSION: 2022.1a</div>	JOBNO 21-028358-01 DATE 06/09/2022 DRAWN/CHECK OE JS PAGE 24																												
CUSTOMER Arrowhead Transfer																															
LOCATION Craig, Alaska																															
PROJECT Arrowhead Shop																															
BUILDERS PO#																															



Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Direction
#18	8	TCP30	14'-8 1/2"	26	1	X	01	Left to Right
#19	6	TCP30	2'-7 1/4"	26	1	X	01	Left to Right

Oper. Code:l=SQ, SQ  
Finish:X=Special Request  
Color:01=Dove Grey

Trim Schedule

Id	Parts
T1	(0.2)F5984-26-12, (0.1)PBA20, (0.1)PSA20
T2	(0.2)F5984-26-12, (0.1)PBA20, (0.1)PSA20
T3	(0.5)F5984-26-12, (0.3)PBA20, (0.3)PSA20
T4	(0.1)F5984-26-12, (0.1)PBA20, (0.1)PSA20
T5	(0.3)F5984-26-12, (0.1)PBA20, (0.1)PSA20
T6	(2)F5988-26-12, (2.0)F5993-26-12
T7	(2)F5033-26-12, (2.0)F5986-26-12, (2)F5988-26-12
T8	F5988-26-12, (1.0)F5993-26-12
T9	F5033-26-12, (1.0)F5986-26-12, F5988-26-12

Color
Dove Grey
Dove Grey
Dove Grey
Dove Grey
Dove Grey
Dove Grey
Dove Grey
Dove Grey
Dove Grey

Details

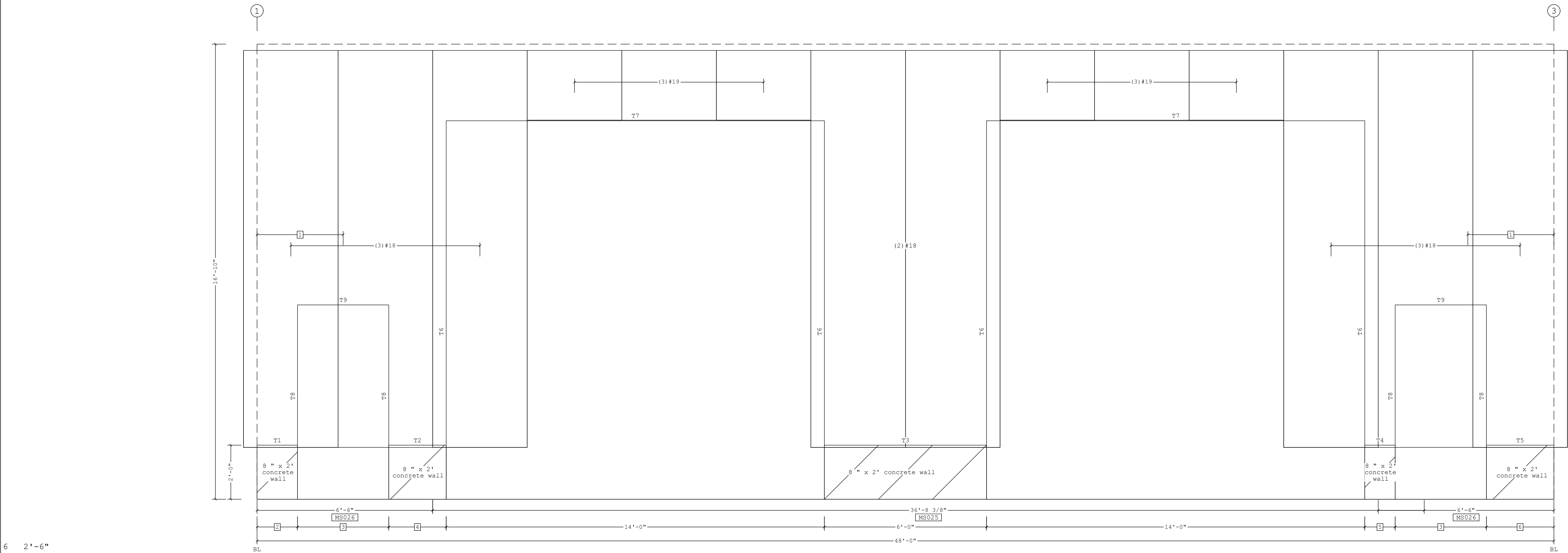
EN52L5, MS003, MS018, MS035, WCV128
EN52L5, MS003, MS018, MS035, WCV128
EN52L5, MS003, MS018, MS035, WCV128
EN52L5, MS003, MS018, MS035, WCV128
EN52L5, MS003, MS018, MS035, WCV128
MS013, MS035
MS011, MS018, MS035
MS013, MS035
MS011, MS018, MS035

Planograph Schedule

Id	Details
T1	B-081517, S-080879
T2	B-081517, S-080879
T3	B-081517, S-080879
T4	B-081517, S-080879
T5	B-081517, S-080879
T6	B-080830, B-FRMOP2, B-FRMOP3, B-FRMOP4, S-080879
T7	B-080830, B-FRMOP2, B-FRMOP3, B-FRMOP4, S-080879
T8	B-080830, B-FRMOP2, B-FRMOP3, B-FRMOP4, S-080879
T9	B-080830, B-FRMOP2, B-FRMOP3, B-FRMOP4, S-080879

Each Wall panel design requires the following:

Panel Fastening:  
Thru Screws END: 0  
Thru Screws INT: 0  
    Fablocks END: 3  
    Fablocks INT: 3  
Screws per Clip: 2



- 6 2'-6"
- 5 1'-1 1/2"
- 4 2'-1 1/2"
- 3 3'-4 1/2"
- 2 1'-6"
- 1 3'-2 1/4" Scribe Line

Dimension Key

COVERING ELEVATION AT D

Shape Name = shop, Wall = 4


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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D	VP Buildings 3200 Players Club Circle Memphis TN 38125			COVERING ELEVATION AT D					
REV	DATE	BY	DESCRIPTION	BUILDER	B3 Contractors		 VP BUILDINGS VARCO PRUDEN  A BlueScope Steel Company VPC VERSION: 2022.1a	JOBNO 21-028358-01	
1	07/13/2022	OE	REVISED PANEL GAGE	CUSTOMER	Arrowhead Transfer			DATE 06/09/2022	
				LOCATION	Craig, Alaska			DRAWN/CHECK OE JS	
				PROJECT	Arrowhead Shop			PAGE 25	
			NTS	BUILDERS PO#					



INSULATED PANEL

PANEL BASE ANGLE (PBA20)

PANEL SUPPORT ANGLE (PSA20)

PANEL CLIP (4633GNC)

SEE CHART BELOW

POP RIVET 1'-0" O.C. (14.)

USE (097356) AT 2'-0" O.C. 1/4-14 X 1" TY-3 PHILLIPS WAFER HD

GRAY SEALANT (016688)

FINISHED FLOOR

MASONRY ANCHOR (BY OTHER)

BUTYL CAULK WITH PIGTAIL (7106BWH) (SEE DETAIL MS018)

BASE TRIM SEE CHART

PANEL CLIP FASTENERS		
PANEL THK.	NOTE: (2) FASTENERS PER CLIP	PART NUM.
2"	1/4-14 x * HEX HD T-3	1616PNC
2 1/2"	1/4-14 x * HEX HD T-3	1624PNC
3"	1/4-14 x * HEX HD T-3	1624PNC
4"	1/4-14 x * HEX HD T-3	1632PNC

\* LENGTH VARIES PER SUPPLIER

BASE TRIM PARTS HAVE 11'-10" COVERAGE WITH A 2" LAP. FIELD MITER AT CORNERS.

REV. DATE: 11/20/14 REV. NO. 02

**MS003**

**INSULATED WALL PANEL LAPPED BASE DETAIL**

LAPPED CONDITION WITH EXPOSED RIVET

(2) FASTENERS REQUIRED AT EACH STRUCTURAL SUPPORT MEMBER (SEE CHART FOR FASTENER INFO)

CORNER TRIM (SCT12.)

EXT. CORNER CLIP (ECTC12)

FILLER INSULATION (008306)

(2) FASTENERS REQUIRED AT EACH STRUCTURAL SUPPORT MEMBER (SEE CHART FOR FASTENER INFO)

URETHANE SEALANT (HW54.)

INSULATED PANEL

STITCH SCREW (4.) 1'-0" O.C. TYPICAL

URETHANE SEALANT (HW54.)

POP RIVET (14.) AT SPLICES (TYP.)

INSULATED PANEL

GIRT LINE

CORNER TRIM \*\* (F5139)

BUTYL CAULK (7106BWH)

POP RIVET (14.) 1'-0" O.C. TYPICAL

BUTYL CAULK (7106BWH)

IMPORTANT

ALL FLASHING END LAPS TO BE SEALED WITH APPROPRIATE SEALANTS.

\*\*NOTE: INSIDE CORNER TRIM MUST BE INSTALLED PRIOR TO PANEL INSTALLATION

THRU FASTENERS		
PANEL THK.	FASTENERS AT STRUCTURAL	PART NUM.
2"	1/4-14X3" PANCAKE HD T-3	1424PNC
2 1/2"	1/4-14X4" PANCAKE HD T-3	1432PNC
3"	1/4-14X4" PANCAKE HD T-3	1432PNC
4"	SEE DETAIL MS008	N/A

SEE DRAWINGS B-081517 AND B-081398 FOR REFERENCE

REV. DATE: 11/20/14 REV. NO. 02

**MS007**

**INSULATED WALL PANEL CORNER TRIM DETAIL**

PANEL BUTT JOINT

SEE DRAWING B-FRMOP4 FOR FRAMED OPENING TRIM INSTALLATIONS AND PANCAKE HEAD FASTENERS.

INSULATED PANEL

PANEL CLIP (4633GNC)

SEE CHART BELOW

POP RIVET (14.) 1'-0" O.C. TYPICAL

EDGE COVER TRIM (F5986)

HEADER TRIM (SEE CHART) FIELD NOTCH VERTICAL LEG TO AVOID PANEL FASTENERS.

BUTYL CAULK (7106BWH) WITH PIGTAIL (SEE DETAIL MS018)

URETHANE SEALANT (HW54.)

BUTYL CAULK (7106BWH)

INSTALL PANCAKE HEAD TO HOLD TRIM IN PLACE

HEADER

POP RIVET (14.) 1'-0" O.C. TYPICAL

OPTIONAL DOOR FLASHING (F5987) 7" (F5988) 8 1/2" (F5989) 10" (F5990) 11 1/2"

PANEL CLIP FASTENERS		
PANEL THK.	NOTE: (2) FASTENERS PER CLIP	PART NUM.
2"	1/4-14 x * HEX HD T-3	1616PNC
2 1/2"	1/4-14 x * HEX HD T-3	1624PNC
3"	1/4-14 x * HEX HD T-3	1624PNC
4"	1/4-14 x * HEX HD T-3	1632PNC

\* LENGTH VARIES PER SUPPLIER

REV. DATE: 06/22/15 REV. NO. 04

**MS011**

**FRAMED OPEN HEADER DETAIL (FACTORY CUT)**

TYPICAL DOORS, LOUVERS AND WINDOWS

SEE DRAWING B-FRMOP4 FOR FRAMED OPENING TRIM INSTALLATIONS.

FRAMED OPENING JAMB

FASTENER REQUIRED AT 2'-6" MAX. (SEE CHART FOR FASTENER INFO)

INSULATED PANEL

URETHANE SEALANT (HW54.)

POP RIVET (14.) 1'-0" O.C. TYPICAL

OPTIONAL DOOR FLASHING (F5987) 7" (F5988) 8 1/2" (F5989) 10" (F5990) 11 1/2"

BUTYL CAULK (7106BWH)

JAMB TRIM (SEE CHART)

POP RIVET (14.) 1'-0" O.C. TYPICAL

6" (MIN.)

THRU FASTENERS			
PANEL THK.	FASTENERS AT STRUCTURAL	PART NUM.	JAMB TRIM
2"	1/4-14X3" PANCAKE HD T-3	1424PNC	F5991
2 1/2"	1/4-14X4" PANCAKE HD T-3	1432PNC	F5992
3"	1/4-14X4" PANCAKE HD T-3	1432PNC	F5993
4"	1/4-14X5" PANCAKE HD T-3	1440PNC	F5994

REV. DATE: 04/20/15 REV. NO. 02

**MS013**

**FRAMED OPENING JAMB DETAIL**

TYPICAL DOORS, LOUVERS AND WINDOWS

SEE DRAWING B-FRMOP4 FOR FRAMED OPENING TRIM INSTALLATIONS AND PANCAKE HEAD FASTENERS.

SILL TRIM (SEE CHART)

POP RIVET 1'-0" O.C. (14.)

URETHANE SEALANT (HW54.)

PANEL CLOSURE FLUTED PANEL ONLY SEE CHART BELOW

PANEL CLIP (4633GNC)

INSULATED PANEL

POP RIVET (14.) 1'-0" O.C. TYPICAL

URETHANE SEALANT (HW54.)

BUTYL CAULK WITH PIGTAIL (7106BWH) (SEE DETAIL MS018)

SILL SUPPORT

OPTIONAL DOOR FLASHING (F5987) 7" (F5988) 8 1/2" (F5989) 10" (F5990) 11 1/2"

PANEL CLIP FASTENERS		
PANEL THK.	NOTE: (2) FASTENERS PER CLIP	PART NUM.
2"	1/4-14 x * HEX HD T-3	1616PNC
2 1/2"	1/4-14 x * HEX HD T-3	1624PNC
3"	1/4-14 x * HEX HD T-3	1624PNC
4"	1/4-14 x * HEX HD T-3	1632PNC

\* LENGTH VARIES PER SUPPLIER

REV. DATE: 04/20/15 REV. NO. 02

**MS015**

**FRAMED OPENING SILL DETAIL**

LOUVERS AND WINDOWS

NOTE:

PIGTAIL CAULKING WILL BE REQUIRED AT BOTH BASE AND TOP OF PANEL WHERE A PANEL SPLICE AND ATTACHING STRUCTURAL OR FRAMED OPENING FASTEN TOGETHER.

FACTORY APPLIED SEALANT (THIS RECESS ONLY)

INSULATED PANEL INTERIOR FACE

BUTYL CAULK (7106BWH) APPLIED TO PANEL OR ATTACHING STRUCTURAL IN THE FIELD

INSULATED PANEL INTERIOR FACE

BUTYL CAULK WITH PIGTAIL (7106BWH) CONNECT FROM FACTORY APPLIED SEALANT TO FIELD BUTYL CAULK

INSULATED PANEL AT SPLICE CONNECTION

REV. DATE: 09/13/17 REV. NO. 01

**MS018**

**PIGTAIL CAULK AT PANEL SPLICE**

ITEM NUMBER: USED TO MATCH ITEM FROM TRUCK MANIFEST TO BUNDLE ITEM

ITEM DESCRIPTION: IDENTIFIES THE BUILDING/SHAPE, WALL AND SET ID AND APPEARS AS FOLLOWS: "SHAPENAME" W\_ ID\_ SHAPE NAME IS LIMITED TO 12 CHARACTERS WALL IS IDENTIFIED AS W\_ SET ID IS IDENTIFIED AS ID\_

LENGTH: USE TO LOCATE THE PANEL WITHIN THE SET ID

JOB NUMBER		LINE-PACKAGE NUMBER	
57632		L2-112	

CUSTOMER NAME:	THICKNESS:	COLOR:	Panel Type:	PROFILE:
	2.0"			

ITEM	ITEM DESC.	LENGTH	QTY / EXTRA
128	DOCK-1	28'-9 1/2"	1
129	DOCK-2	24'-7 1/2"	1
130	DOCK-3	20'-5 1/2"	1
131	DOCK-4	16'-3 1/2"	1
132	DOCK-5	12'-1 1/2"	1

OPERATOR: BUNDLE SHIFT: L2-shi TOTAL PACKAGED: 5

REV. DATE: 03/29/11 REV. NO. 00

**MS035**

**BUNDLE SHIPMENT IDENTIFICATION**

INSULATED WALL PANEL

DIMENSION FROM FEMALE EDGE IS (CRITICAL)

6" 15" 15" 6"

EXTERIOR SIDE OF PANEL

42"

SIDE JOINT FASTENING WITH THREE LOCK-RIVETS (097444) BACK FASTENING

REV. DATE: 02/16/11 REV. NO. 00

**MSX024**

**FAB-LOK FASTENING**

THREE (3) FAB-LOKS

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**

SEE RC30\*\* FOR COMPLETE RAKE DETAILS

BASE ANGLE (BA-) FIELD NOTCH AROUND PURLINS SEE ERECTION DWGS TO SEE IF REQUIRED

ATTACH W/ 1/4-14 x 1 1/4" STRUCTURAL FSNR (55307) (2) PER PURLIN

12-14 x 1" PANCAKE #2 PSD TEKS 3 1'-0" O.C.

SOFFIT TRIM

SOFFIT PANEL

1/4-14 x 7/8" WALL STITCH FSNR 1'-0" O.C.

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

**RC30PE**

**FLAT PROFILE SOFFIT**

RAKE EXTENSION

12-14 x 1 1/4" WALL STRUCT FSNR (097584) 2 PER CLOSURE

1/8" BLIND RIVET (097580) 2 PER LAP

RIDGE

FIELD TRIM LEG OF CLOSURE TO ALLOW PROPER LAP OF CLOSURES

PURLIN CLOSURE (CMA-) 7" PURLIN (CSA-) 8 1/2" PURLIN (CNA-) 10" PURLIN (CPA-) 11 1/2" PURLIN

SEE COMMON WAREHOUSE DRAWING FOR BLIND RIVET COLOR INFORMATION

REV. DATE: 04/17/17 REV. NO. 03

**RC80E2**

**PURLIN CLOSURES**

RIDGE PURLINS

12-14 x 1 1/4" WALL STRUCT FSNR (097584) 2 PER CLOSURE

1/8" BLIND RIVETS (097580) 4 PER LAP

6" MIN

PURLIN CLOSURE (CMA-) 7" PURLIN (CSA-) 8 1/2" PURLIN (CNA-) 10" PURLIN (CPA-) 11 1/2" PURLIN

SEE COMMON WAREHOUSE DRAWING FOR BLIND RIVET COLOR INFORMATION

REV. DATE: 04/17/17 REV. NO. 03

**RC80E3**

**PURLIN CLOSURES**

PURLIN TO PURLIN

FIELD NOTCH TO FIT EAVE STRUT FLANGE (-CM-) @ 7" PURLINS (-CS-) @ 8 1/2" PURLINS (-CN-) @ 10" PURLINS (-CP-) @ 11 1/2" PURLINS

1/8" BLIND RIVETS (097580) 4 PER LAP

12-14 X 1 1/4" WALL STRUCT FSNR (097584) 2 PER CLOSURE

PURLIN CLOSURE (CMA-) 7" PURLIN (CSA-) 8 1/2" PURLIN (CNA-) 10" PURLIN (CPA-) 11 1/2" PURLIN

SEE COMMON WAREHOUSE DRAWING FOR BLIND RIVET COLOR INFORMATION

REV. DATE: 04/17/17 REV. NO. 04

**RC80G1**

**PURLIN CLOSURES**

EAVE PURLIN TO PURLIN

ENDWALL

RAKE CHANNEL (RCHD--) AT 7" PURLINS (RCHB--) AT 8 1/2" PURLINS (RCHE--) AT 10" PURLINS (RCHC--) AT 11 1/2" PURLINS

(1) 1/4-14 x 1 1/4" WALL STRUCT FSNR (55307)

7" 8 1/2" 10" OR 11 1/2" PURLINS

DO NOT FASTEN. PURLIN MUST BE FREE TO ROLL

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

**RS10R1**

**PR ROOF RAKE CHANNEL TO PURLIN**

ALL PURLIN DEPTHS (ALL WALL PANEL)

FOR CONSTRUCTION

STATE OF ALASKA

49th

HUMBERTO AGUILAR

No. CE121417

PROFESSIONAL ENGINEER

12/05/2022

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

## COVERING & TRIM SED'S

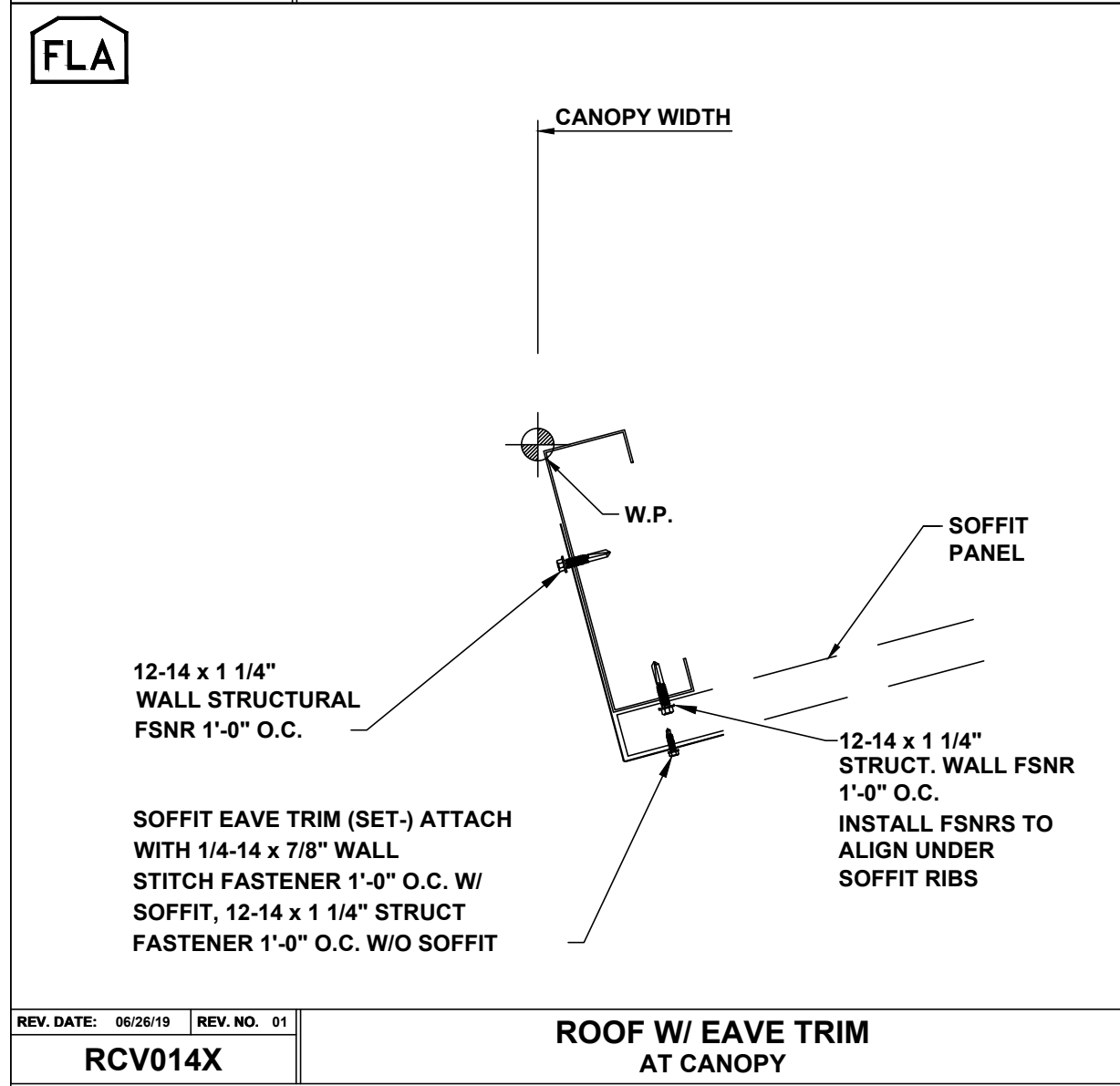
BUILDER	B3 Contractors
CUSTOMER	Arrowhead Transfer
LOCATION	Craig, Alaska
PROJECT	Arrowhead Shop
BUILDERS PO#	



JOBNO	21-028358-01
DATE	06/09/2022
DRAWN/CHECK	OE JS
PAGE	26

A BlueScope Steel Company  
VPC VERSION: 2022.1a  
a division of BlueScope Buildings North America, Inc.





12/05/2022

D

**VP Buildings**  
**3200 Players Club Circle Memphis TN 38125**

## COVERING & TRIM SED'S

BUILDER	B3 Contractors
CUSTOMER	Arrowhead Transfer
LOCATION	Craig, Alaska
PROJECT	Arrowhead Shop



JOBNO  
01 028358 01

DATE 06/09/2021

DRAWN/CHECK  
05 10

PAGE 27

NTS

8:23:11

FILENAME: Arrowhesd Transfer Shop

a division of BlueScope Buildings North America, Inc.



- REFERENCE NOTES:
1. ALL BOLTED AND WELDED JOINTS ARE DESIGNED FOR FORCES FROM CODES AND LOADS SPECIFIED BY CONTRACT AS SHOWN ON CODES AND LOADS PAGE OF THESE DRAWINGS (PAGE 2).
  2. CONNECTION DETAILS SHOWN ARE REPRESENTATIVE OF TYPICAL CONNECTIONS. FOR CONNECTION SPECIFIC INFORMATION SEE FRAME CROSS SECTIONS FOR PLATE THICKNESS, AND NUMBER AND SIZE OF BOLTS.
  3. SEE DETAIL 1 FOR MOMENT CONNECTION BOLT CONFIGURATIONS. NUMBERS INDICATE CONFIGURATION ID NUMBER. SEE "BOLTED END-PLATE CONNECTIONS" TABLE IN THE DESIGN CALCULATIONS FOR MEMBER SPECIFIC PLATE ID NUMBERS CALLED FOR BY DESIGN FOR EACH CONNECTION.
  4. ALL WELDING IS DONE WITH E70 LOW-HYDROGEN ELECTRODES IN ACCORDANCE WITH AWS A5-FILLER METAL SPECIFICATIONS AND CSA STANDARD W48-FILLER METALS AND ALLIED MATERIALS FOR METAL ARC WELDING. WELD PROCESSES USED IN BBNA SHOPS ARE GMAW HAND WELD AND SAW MACHINE WELDING. ALL SHOP WELDING IS DONE BY AWS OR CWB CERTIFIED WELDERS.
  5. FILLER METALS MEET OR EXCEED REQUIREMENTS OF AISC-341 - SEISMIC PROVISIONS FOR DEMAND CRITICAL WELDS. MINIMUM CVN OF 20 FT-LBS @ 0 DEG F AND 40 FT-LBS @ +20 DEG F.
  6. 3-PLATE FLANGES, WEBS, AND HSS SECTIONS MAY BE RANDOMLY SHOP SPLICED WITH CJP WELDS TO MAKE UP A FULL LENGTH SHIPPABLE MEMBER.

FLUSH - UNSTIFFENED

EXTENDED - UNSTIFFENED

EXTENDED - STIFFENED (GUSSET)

MINIMUM BOLT SPACING IS 3" U.N.O.

SEE "BOLTED END-PLATE CONNECTION" SECTION OF DESIGN CALCULATION FOR PLATE ID

DETAIL 1

MOMENT CONNECTION CONFIGURATIONS

"\*" GUSSETS WHEN REQUIRED BY DESIGN

ALTERNATE BOLTING PLATE

ROWS OUT

ROWS IN

OR CJP

STITCH

1 1/2" - 3" (10 GA. WEB)

2" - 5" (3/16" & 1/4" WEB)

4" - 8" (5/16" - 1/2" WEB)

DETAIL 2

HAUNCH CONNECTION

FACE BOLTED SHOWN - TOP BOLTED SIMILAR

"\*" GUSSETS WHEN REQUIRED BY DESIGN

ROWS OUT

ROWS IN

RAFTER

RIDGE

ALTERNATE BOLTING PLATE

DETAIL 3

BOLTED RAFTER SPLICE CONNECTIONS

WELD STD

STITCH

1 1/2" - 3" (10 GA. WEB)

2" - 5" (3/16" & 1/4" WEB)

4" - 8" (5/16" - 1/2" WEB)

STIFF. (S.W.)

ONE OR TWO SIDE FILLET

DESIGN MEMBER DEPTH

DETAIL 4

FRAME CONNECTION AT INTERIOR COLUMN

WELD STD

COLUMN (CX-) OR (ICX-)

ONE OR TWO SIDE FILLET

ONE OR TWO SIDE FILLET OR CJP

BASE PLATE

DETAIL 5

TYPICAL BASE PLATE CONNECTION

BASE PLATE TO COLUMN WELD STD.

COLUMN (TCX-) OR (PCX-)

TUBE OR PIPE COLUMN

BASE PLATE

DETAIL 6

TYPICAL BASE PLATE CONNECTION

BASE PLATE TO COLUMN WELD STD.

FLANGE PLATE

WEB PLATE

MIN.

GENERAL NOTES:  
THE FILLET WELD SHALL BE CONTINUOUSLY SUBMERGED ARC WELDED ONE SIDE OF THE WEB TO BOTH FLANGES AS ILLUSTRATED. THE MINIMUM FILLET WELD SIZE SHALL BE TAKEN FROM TABLE BELOW.

MINIMUM FILLET WELD SIZES (USA, CANADA & MEXICO) (AWS D1.1-TABLE 5.8)															
FLANGE THICKNESS															
WEB THICKNESS	3/16" OR LESS	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/8"	1 1/4"	OVER 1 1/4"				
10 GA	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"				
8 GA	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"				
3/16"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"				
1/4"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"				
5/16"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"				
3/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"				
1/2"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"				
5/8"	1/8"	1/8"	3/16"	3/16"	3/16"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"				
≥ 3/4"	1/8"	1/8"	3/16"	3/16"	3/16"	1/4"	1/4"	5/16"	5/16"	5/16"	5/16"				

DETAIL 7

TYPICAL NOTES

TYPICAL SECTION THRU BUILT-UP MEMBERS

STATE OF ALASKA

49th

HUMBERTO AGUILAR

No. CE121417

REGISTERED PROFESSIONAL ENGINEER

12/05/2022

PRIMARY FRAME CONNECTIONS

BOLTED AND WELDED

DRAWN BY	CHECKED BY	GROUP NUMBER:
RT	BB	B
FIRST RELEASE DATE	REVISION DATE	
07/01/09	06/25/19	

MRD50

05

FOR CONSTRUCTION

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VP Buildings

3200 Players Club Circle Memphis TN 38125

REV	DATE	BY	DESCRIPTION
NTS			
4/22/2022 SEDSheet 17:43:36			

MRD50

BUILDER	B3 Contractors
CUSTOMER	Arrowhead Transfer
LOCATION	Craig, Alaska
PROJECT	Arrowhead Shop
BUILDERS PO#	

VP BUILDINGS

VARCO PRUDEN

A BlueScope Steel Company

VPC VERSION: 2021.3c

FILENAME: JCA Arrowhesd Transfer Shop

a division of BlueScope Buildings North America, Inc.

JOBNO

21-028358-01

DATE

06/09/2022

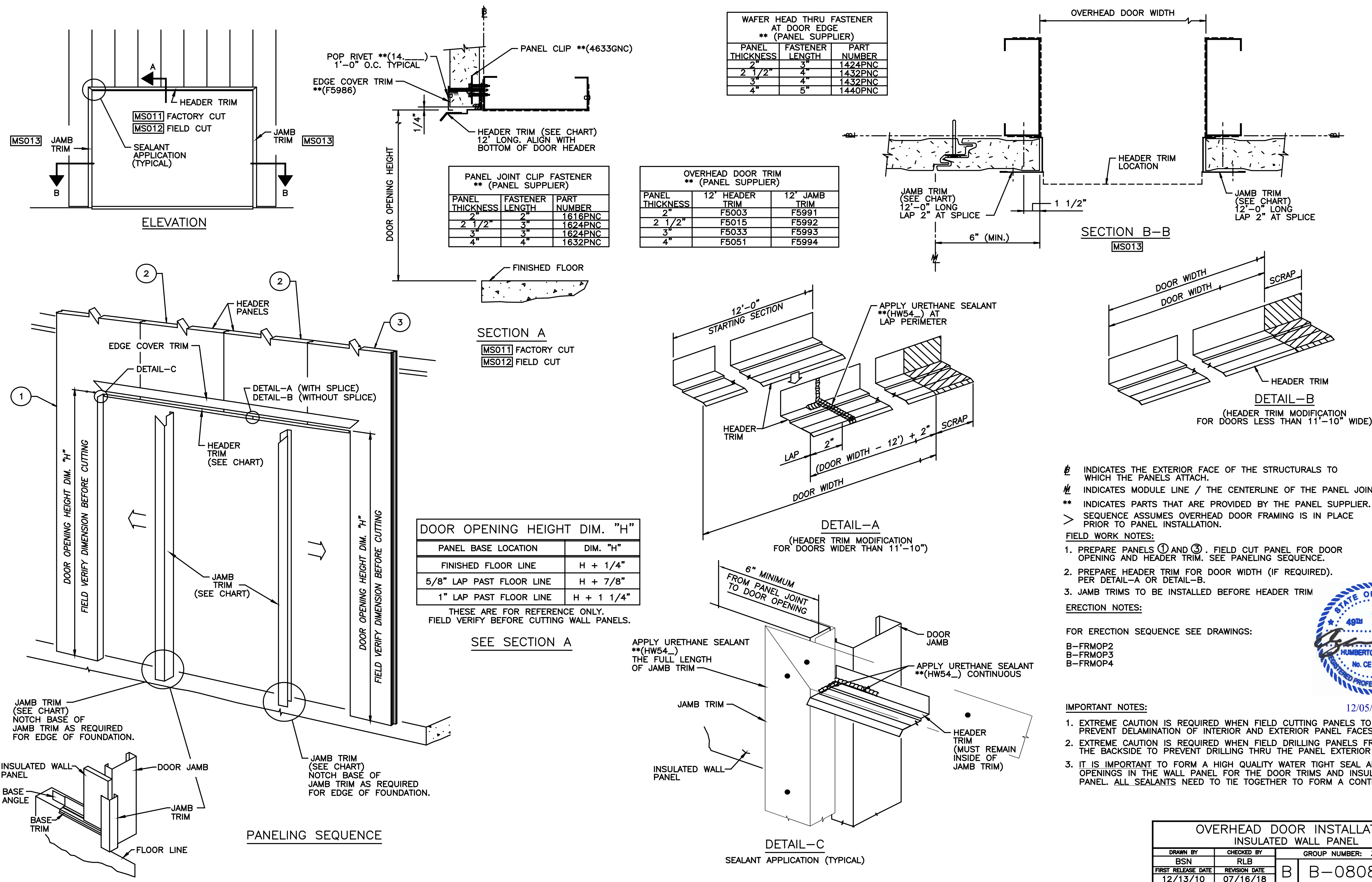
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⊥ INDICATES THE EXTERIOR FACE OF THE STRUCTURALS TO WHICH THE PANELS ATTACH.  
// INDICATES MODULE LINE / THE CENTERLINE OF THE PANEL JOINT.  
\*\* INDICATES PARTS THAT ARE PROVIDED BY THE PANEL SUPPLIER.  
> SEQUENCE ASSUMES OVERHEAD DOOR FRAMING IS IN PLACE PRIOR TO PANEL INSTALLATION.

**FIELD WORK NOTES:**

1. PREPARE PANELS ① AND ③. FIELD CUT PANEL FOR DOOR OPENING AND HEADER TRIM. SEE PANELING SEQUENCE.
2. PREPARE HEADER TRIM FOR DOOR WIDTH (IF REQUIRED). PER DETAIL-A OR DETAIL-B.
3. JAMB TRIMS TO BE INSTALLED BEFORE HEADER TRIM

**ERECTION NOTES:**

FOR ERECTION SEQUENCE SEE DRAWINGS:  
B-FRMOP2  
B-FRMOP3  
B-FRMOP4

**IMPORTANT NOTES:**

1. EXTREME CAUTION IS REQUIRED WHEN FIELD CUTTING PANELS TO PREVENT DELAMINATION OF INTERIOR AND EXTERIOR PANEL FACES.
2. EXTREME CAUTION IS REQUIRED WHEN FIELD DRILLING PANELS FROM THE BACKSIDE TO PREVENT DRILLING THRU THE PANEL EXTERIOR FACE.
3. IT IS IMPORTANT TO FORM A HIGH QUALITY WATER TIGHT SEAL AROUND THE OPENINGS IN THE WALL PANEL FOR THE DOOR TRIMS AND INSULATED WALL PANEL. ALL SEALANTS NEED TO TIE TOGETHER TO FORM A CONTINUOUS BEAD.



OVERHEAD DOOR INSTALLATION			
INSULATED WALL PANEL			
DRAWN BY	CHECKED BY	GROUP NUMBER: 33-025-01	
BSN	RLB		
FIRST RELEASE DATE	REVISION DATE	B	B-080830 05
12/13/10	07/16/18		

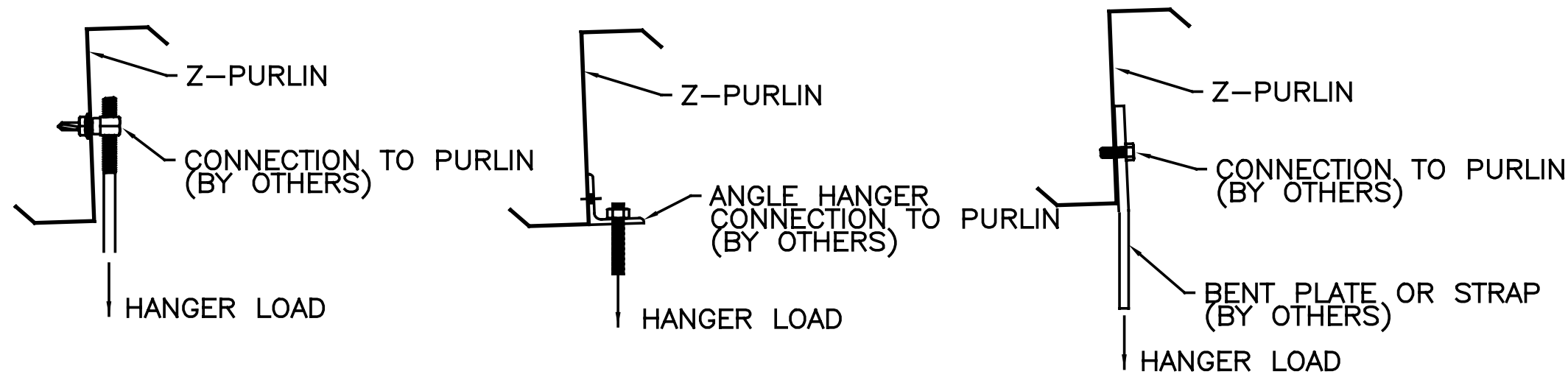
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			3200 Players Club Circle Memphis TN 38125						
			REV	DATE				BY	DESCRIPTION
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4/22/2022 SEDSheet				16:39:14		FILENAME: JCA Arrowhesd Transfer Shop			



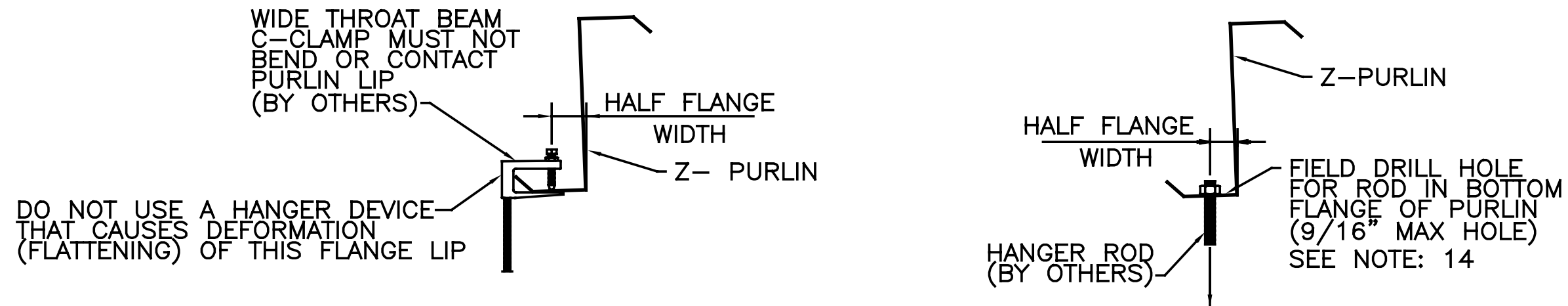






WEB HANGERS

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

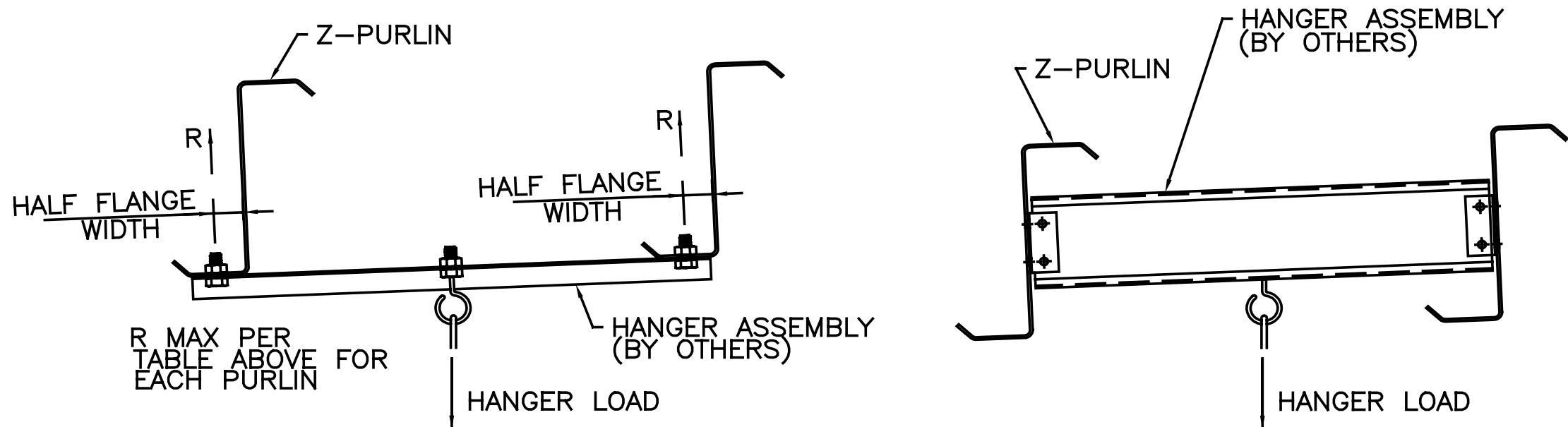
MAXIMUM LOAD SUSPENDED FROM BOTTOM FLANGE (LOCATED AT HALF-FLANGE WIDTH)			
THICKNESS	MAX LOAD	THICKNESS	MAX LOAD
0.060"	110lbs	0.088"	200lbs
0.068"	120lbs	0.098"	250lbs
0.073"	140lbs		
0.079"	180lbs	0.113"	250lbs

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

BOTTOM FLANGE CLAMP HANGER  
(TOP FLANGE SIMILAR)

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

BOTTOM FLANGE ROD HANGER  
(TOP FLANGE SIMILAR)



DOUBLE PURLIN HANGERS

VERIFY OVERALL PURLIN DESIGN CAN SUPPORT APPLIED LOADS.

GENERAL NOTES

- CONCENTRATED LOADS GREATER THAN 500lbs ON ANY SINGLE PURLIN MUST BE EXPLICITLY LOCATED AND DESIGNED FOR DURING DESIGN OF BUILDING SYSTEM.
- 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.

$$P \text{ MAX} = 0.5wl$$

$$P \text{ MAX} = 0.4wl$$

$$P \text{ MAX} = 0.25wl$$

$$P \text{ MAX} = 0.2wl$$

$$P \text{ MAX} = 0.15wl$$

$$P \text{ MAX} = W \times \text{HANGER SPACING}$$

EXAMPLE: A PIPE IS SUSPENDED FROM A PURLIN AT 3 LOCATIONS EQUALLY SPACED  
BAY SPACING = 24'-0"  
SPECIFIED COLLATERAL LOAD = 5 PSF  
W = 5 PSF x 5' = 25 PLF L = 24'-0"  
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.

- FOR LOADS GREATER THAN 250 lbs, PURLINS MUST BE "BLOCKED" AT LOCATION OF LOAD TO PREVENT PURLIN ROTATION.
- EQUIPMENT LOADS SHOULD BE OBTAINED FROM CERTIFIED EQUIPMENT DRAWINGS AND MANUFACTURER'S DATA.
- 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 ( $\pm L/180$ ).
- 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.
- SUSPENDED LOADS WILL NEED TO BE BRACED (TO THE PRIMARY FORCE RESISTING SYSTEM) FOR LATERAL STABILITY DUE TO EARTHQUAKES.
- HANGER DESIGN IS NOT THE RESPONSIBILITY OF BLUESCOPE.
- 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.
- 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.
- DO NOT HANG ANY TYPE OF CRANE, HOIST, CONVEYOR OR ANY MOVING LOADS FROM THE Z-PURLINS.
- DO NOT HANG ANY LOAD FROM BBNA SUPPLIED PURLIN BRACES OR BRIDGING.
- DO NOT WELD ANY PART OF THE Z-PURLIN.
- HOLES MUST NOT EXCEED 9/16" DIAMETER UNLESS AUTHORIZED BY BBNA ENGINEER. DRILL OR REAM HOLES WHEN REQUIRED- DO NOT FLAME CUT



12/05/2022

CONCENTRATED LOADS ON ROOF Z-PURLIN HANGER DETAILS			
DRAWN BY REVERTT	CHECKED BY RBENTON	GROUP NUMBER: 80-054-01	
FIRST RELEASE DATE 02/26/10	REVISION DATE 02/26/20	B	09

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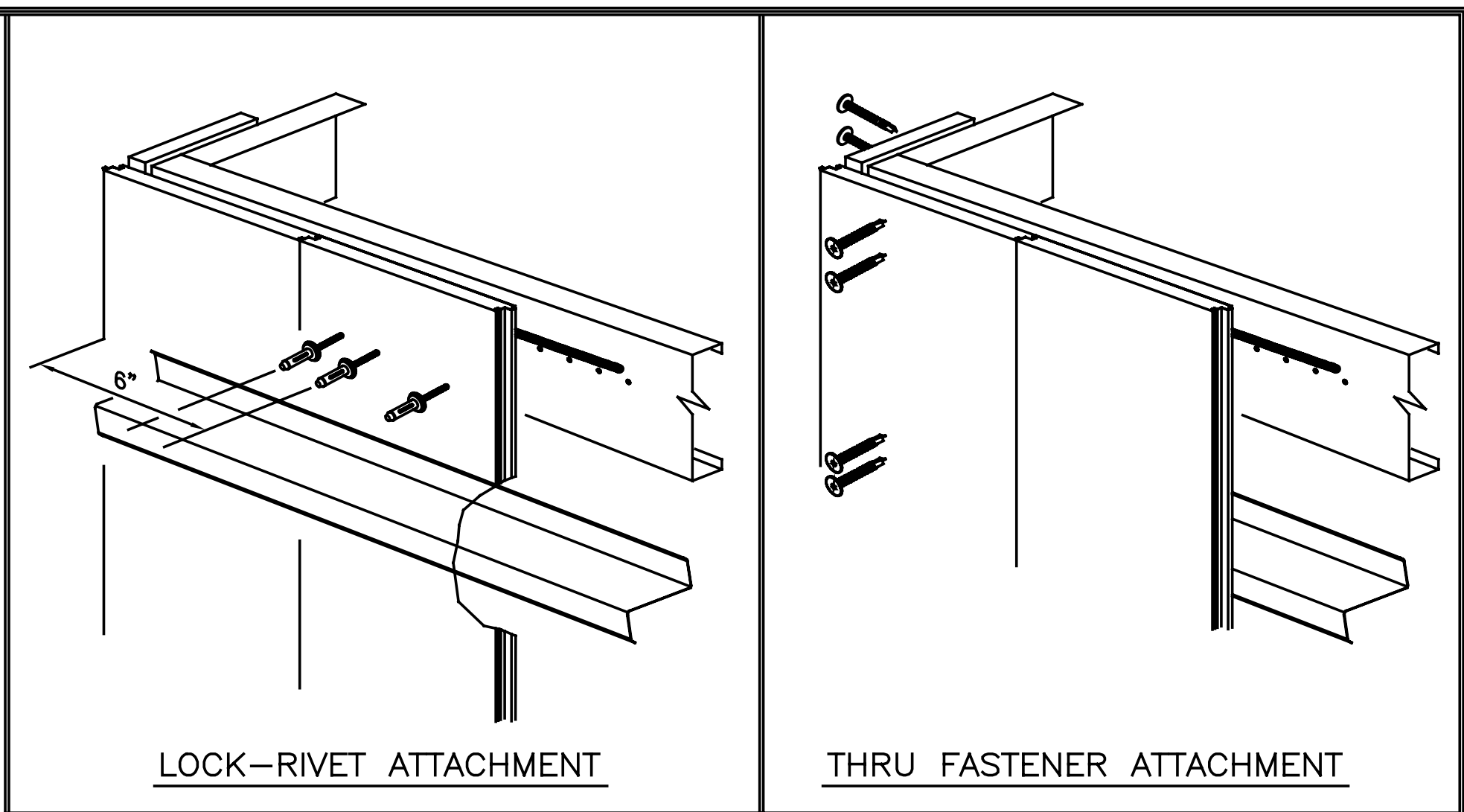
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B-081465	
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CUSTOMER Arrowhead Transfer	
LOCATION Craig, Alaska	
PROJECT Arrowhead Shop	
BUILDERS PO#	FILENAME: JCA Arrowhesd Transfer Shop

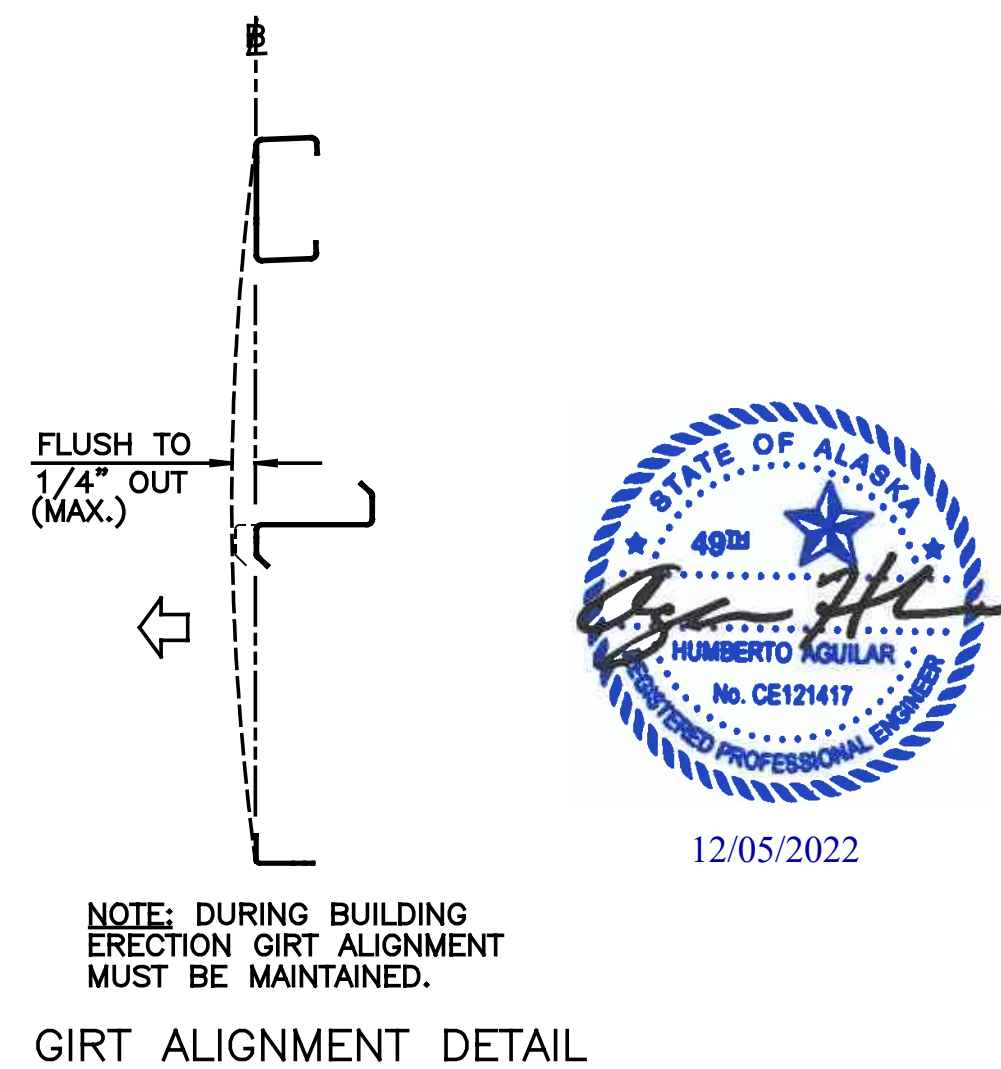
	JOBNO 21-028358-01
	DATE 06/09/2022
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1. AFTER ESTABLISHING THE STARTING DIMENSION, DESCRIBE THE TOP AND BOTTOM WALL STRUCTURALS FOR ENTIRE LENGTH OF WALL AT 3'-6" O.C. OR 3'-0" O.C. DEPENDING ON PANEL WIDTH. THE SCRIBE LINE MARKS THE LOCATION OF THE LEADING EDGE OF THE PANEL AFTER THE PANEL IS INSTALLED. (SEE SECTION A-A).
2. APPLY A CONTINUOUS BEAD OF BUTYL CAULK ALONG THE BASE (AS REQUIRED). PUT BASE MEMBER IN PLACE AND FASTEN WITH MASONRY ANCHORS OR SELF-DRILLING SCREWS.
3. APPLY A CONTINUOUS BEAD OF BUTYL CAULK ALONG THE BASE TRIM IN THE BACK. USE PIGTAILS TO TIE FACTORY APPLIED JOINT SEALANT TO THE BEAD OF BUTYL CAULK.
4. APPLY A CONTINUOUS BEAD OF BUTYL CAULK ALONG THE EAVE STRUT OR GABLE STRUCTURAL JUST BELOW THE TOP OF WALL PANEL. SEE WALL PANEL LAYOUT FOR PANEL HEIGHTS. USE PIGTAILS TO TIE FACTORY APPLIED JOINT SEALANT TO THE BEAD OF BUTYL CAULK.
5. INTERIOR INSIDE CORNER TRIMS AND BUTYL CAULK MUST BE INSTALLED PRIOR TO PANEL INSTALLATION.
6. INSTALL PANELS IN A LEFT TO RIGHT DIRECTION, STARTING AT A CORNER. SEE PER ORDER ERECTION DRAWINGS BEFORE FIELD CUTTING STARTING PANEL.
7. ALIGN NOSE OF STARTING PANEL WITH SCRIBE MARKS ON TOP AND BOTTOM WALL STRUCTURALS. ATTACH RIGHT EDGE OF PANEL TO EACH WALL STRUCTURAL WITH A PANEL CLIP AND FASTENERS. THE PROPER FASTENING PATTERN IS TWO FASTENERS PER PANEL CLIP AT BASE, EAVE, AND AT EACH GIRT. (SEE SECTION B-B) (FASTENER LENGTH IS BASED ON THE PANEL THICKNESS). WHEN ALUMINUM BASE TRIM IS USED, PLACE WOOD SHIMS (1/8" THICK) IN THE BASE ADAPTER SLOT OF THE ALUMINUM BASE TRIM. TAKE SPECIAL CARE TO AVOID DISTURBING FACTORY APPLIED JOINT SEALANT.
8. INSTALLATION OF THE CORNER TRIM DOES NOT ALLOW FOR THE THROUGH FASTENERS TO BE ATTACHED UNTIL CORNER TRIMS ARE INSTALLED. STARTING AND ENDING PANELS AT THE CORNERS WILL BE ATTACHED WITH LOCKRIVETS AT THE BASE AND TOP UNTIL THE CORNER TRIM IS IN PLACE. THEN THE REMAINING FASTENERS CAN BE INSTALLED. (SEE SECTION A-A)
9. INSTALL THE REMAINING PANELS. FOR THAT WALL, FOLLOWING A SIMILAR PROCEDURE OF JOINT INSTALLATION, THEREFORE CONCEALING ALL PREVIOUS FASTENERS IN THE JOINTS. USE PIGTAILS TO TIE FACTORY APPLIED JOINT SEALANT TO THE BEAD OF BUTYL CAULK. BE SURE TO CHECK EACH PANEL JOINT FOR CONSISTENT SPACE BETWEEN THE PANELS. CUT AS NECESSARY, THE ENDING PANEL IS TO ALIGN WITH THE BUILDING LINE, REMOVING ALL BURRS FROM THE CUT EDGE. ATTACH THE RIGHT EDGE OF ENDING PANEL AT BASE AND TOP STRUCTURAL AS DIRECTED IN SECTION A-A. REPAIR ANY VOIDS IN JOINT SEALANT WITH BUTYL CAULK INSTALL THE REMAINING FASTENERS (IF REQUIRED) FOR 4" PANELS AS SHOWN IN SECTION A-A.
10. IF THE BUILDING ROOF SLOPE IS 1:12 OR GREATER, THE TOP OF EACH PANEL APPLIED TO ENDWALLS MUST BE FIELD CUT TO MATCH ROOF SLOPE. THIS MAY BE ACCOMPLISHED BY USING THE GABLE ANGLE AS A CUTTING GUIDE AFTER THE PANEL IS INSTALLED. IF CUTTING PANELS BEFORE ERECTING IS DESIRED SEE DRAWING FOR ROOF CUTTING (CUT ENDWALLS) FOR REFERENCE. EXERCISE CAUTION WHEN FIELD CUTTING PANELS TO PREVENT DELAMINATION OF INTERIOR OR EXTERIOR PANEL FACE. FOR BUILDINGS WITH ROOF SLOPES LESS THAN 1:12, THE WALL PANELS WILL BE STAGGERED PER PANEL, DEPENDING ON THE ROOF SLOPE.
11. USE A 5/16" BEAD OF SEALANT WHEN APPLYING URETHANE SEALANT TO EMBOSSED PANELS AND A 3/8" BEAD WHEN APPLYING URETHANE SEALANT TO TEXTURED PANELS.
12. SEE DETAILS MS003 AND MS004 FOR REFERENCE ON BASE DETAILS FOR INSULATED WALL PANEL.
13. \*\* INDICATES PARTS THAT ARE PROVIDED BY THE PANEL SUPPLIER.



ALL PANELS GREATER THAN 20'-0" LONG REQUIRE TWO LIFTING POINTS

INSULATED PANEL GENERAL INSTALLATION				
DRAWN BY		CHECKED BY		GROUP NUMBER: 33-031-01
BSN		RLB		
FIRST RELEASE DATE	12/20/10	REVISION DATE	12/04/18	
		B		B-081517
				04

<div style="text-align: center;"> <b>D</b> </div>	<b>VP Buildings</b> <b>3200 Players Club Circle Memphis TN 38125</b>			<b>B-081517</b>		
	REV	DATE	BY	DESCRIPTION	BUILDER	B3 Contractors
					CUSTOMER	Arrowhead Transfer
					LOCATION	Craig, Alaska
					PROJECT	Arrowhead Shop
	NTS				BUILDERS PO#	
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**VP BUILDINGS**  
VARCO PRUDEN

A BlueScope Steel Company  
VPC VERSION: 2021.3c

JOBN0  
**21-028358-01**

DATE  
**06/09/2022**

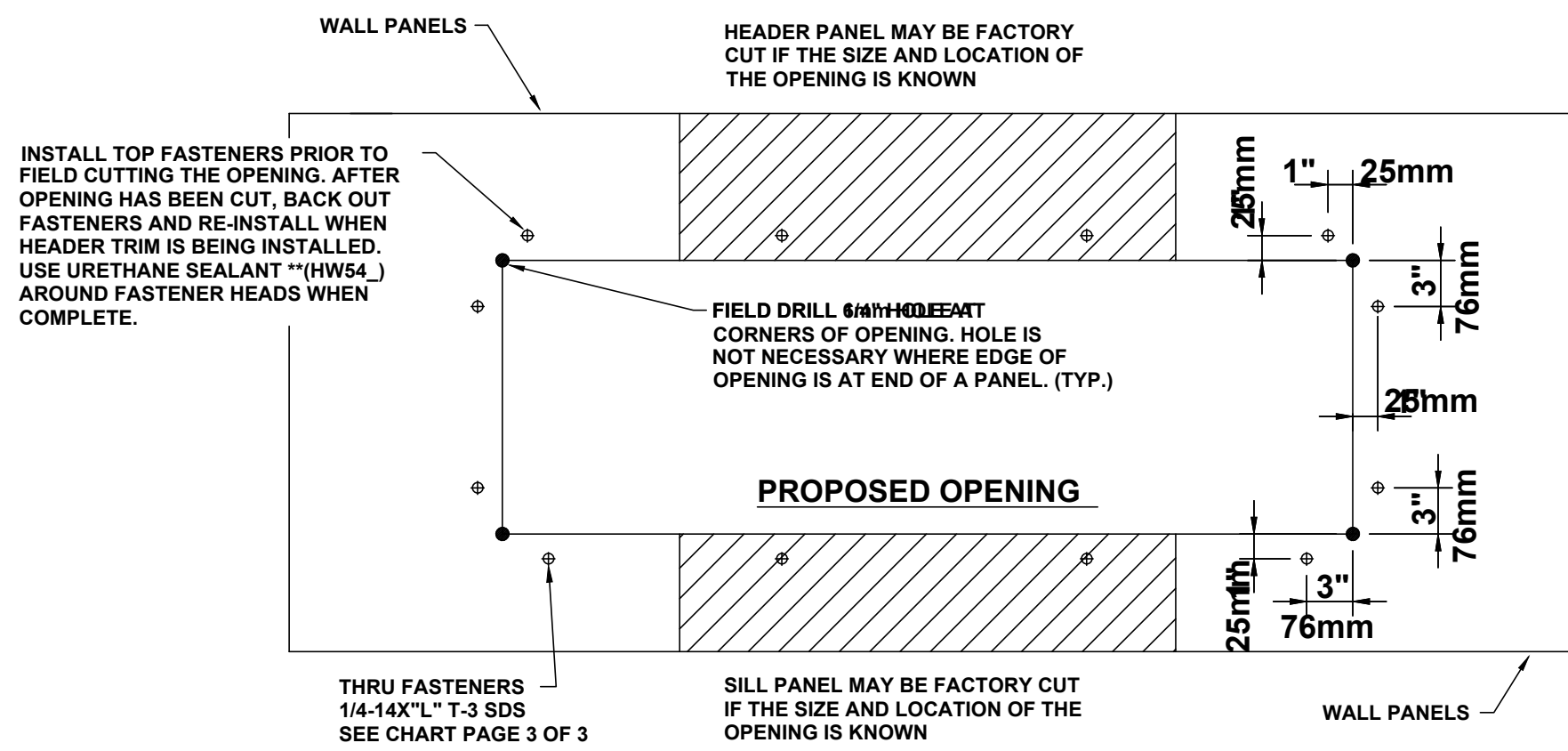
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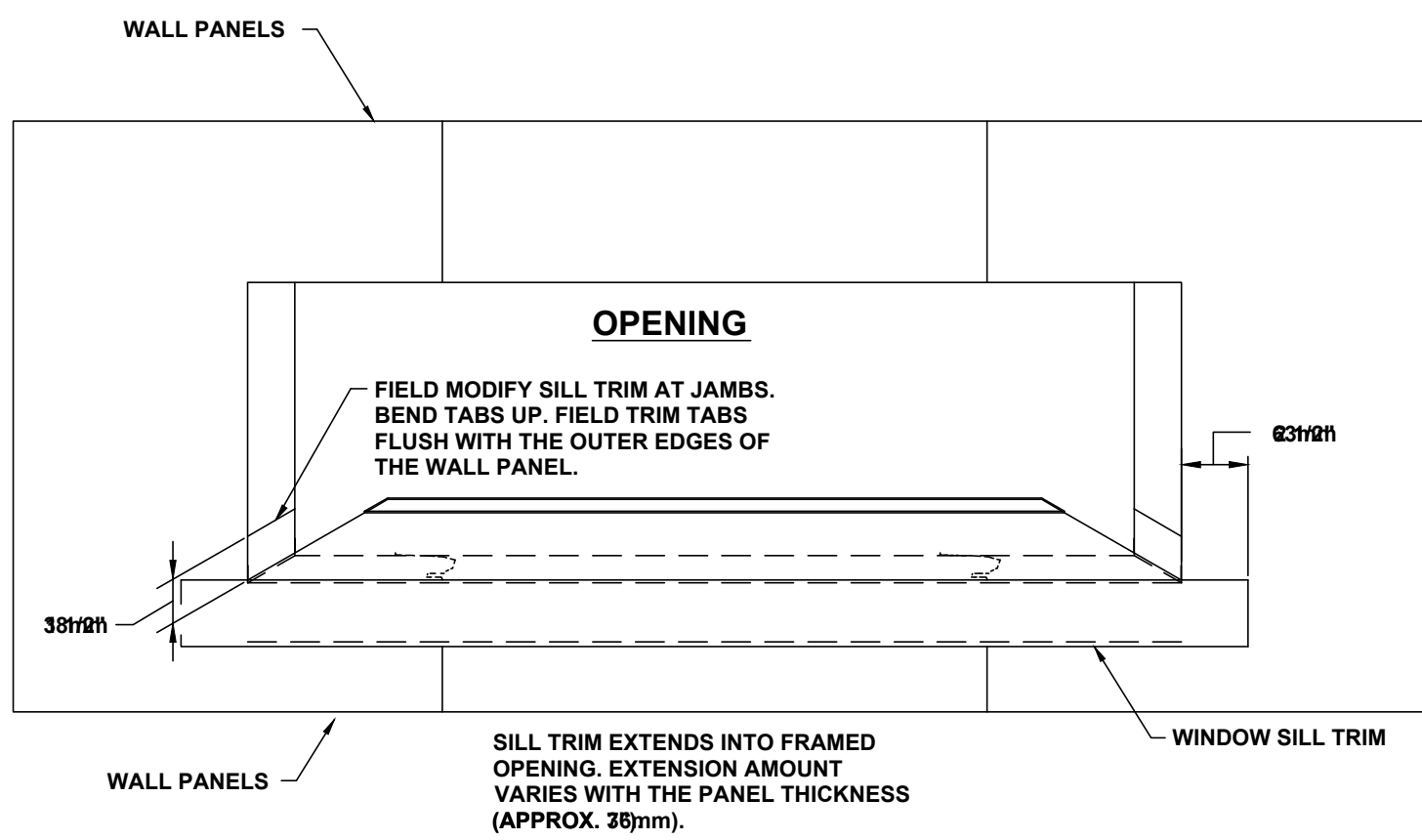






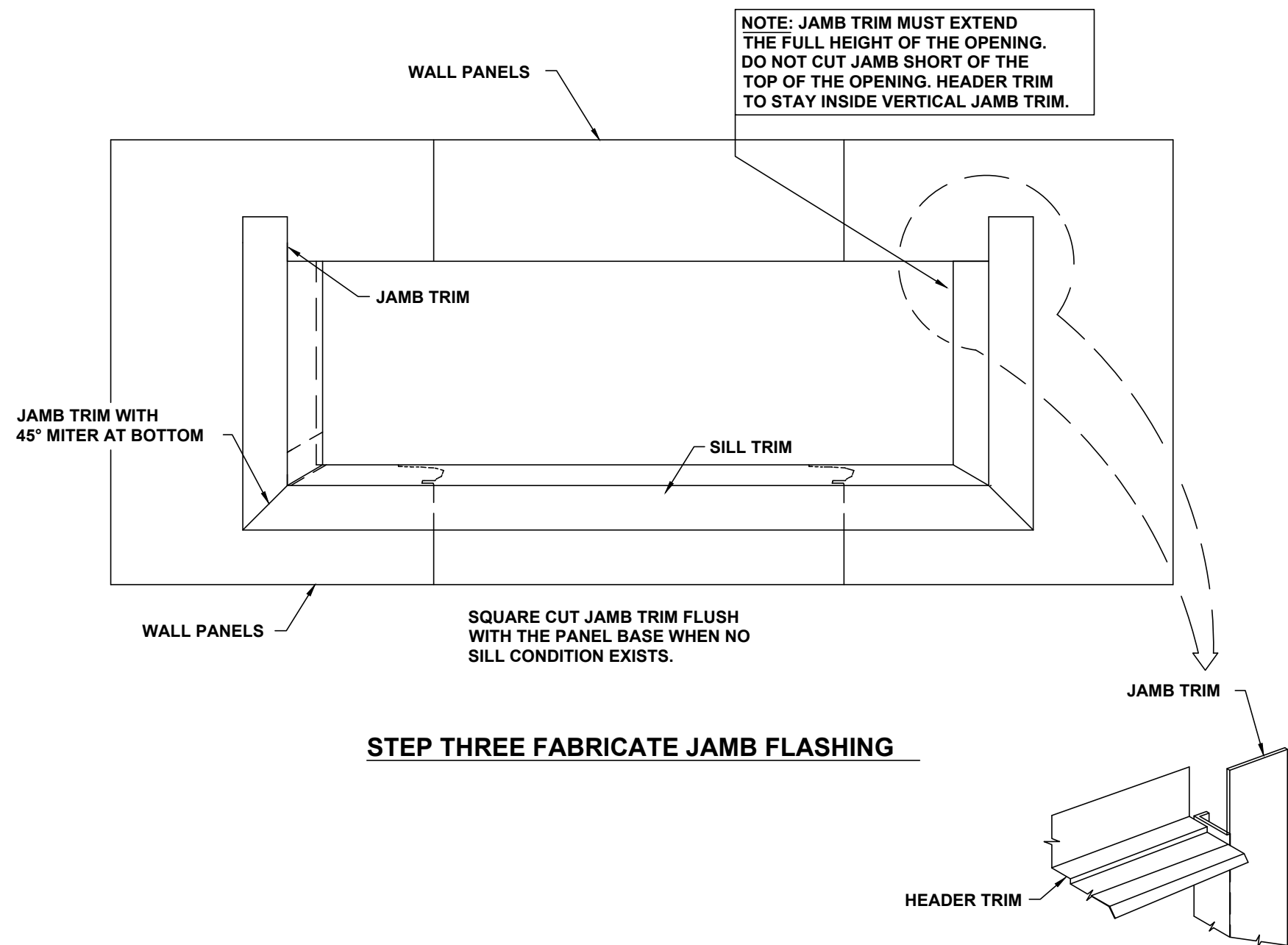


STEP ONE - LAYOUT / CUT OPENING

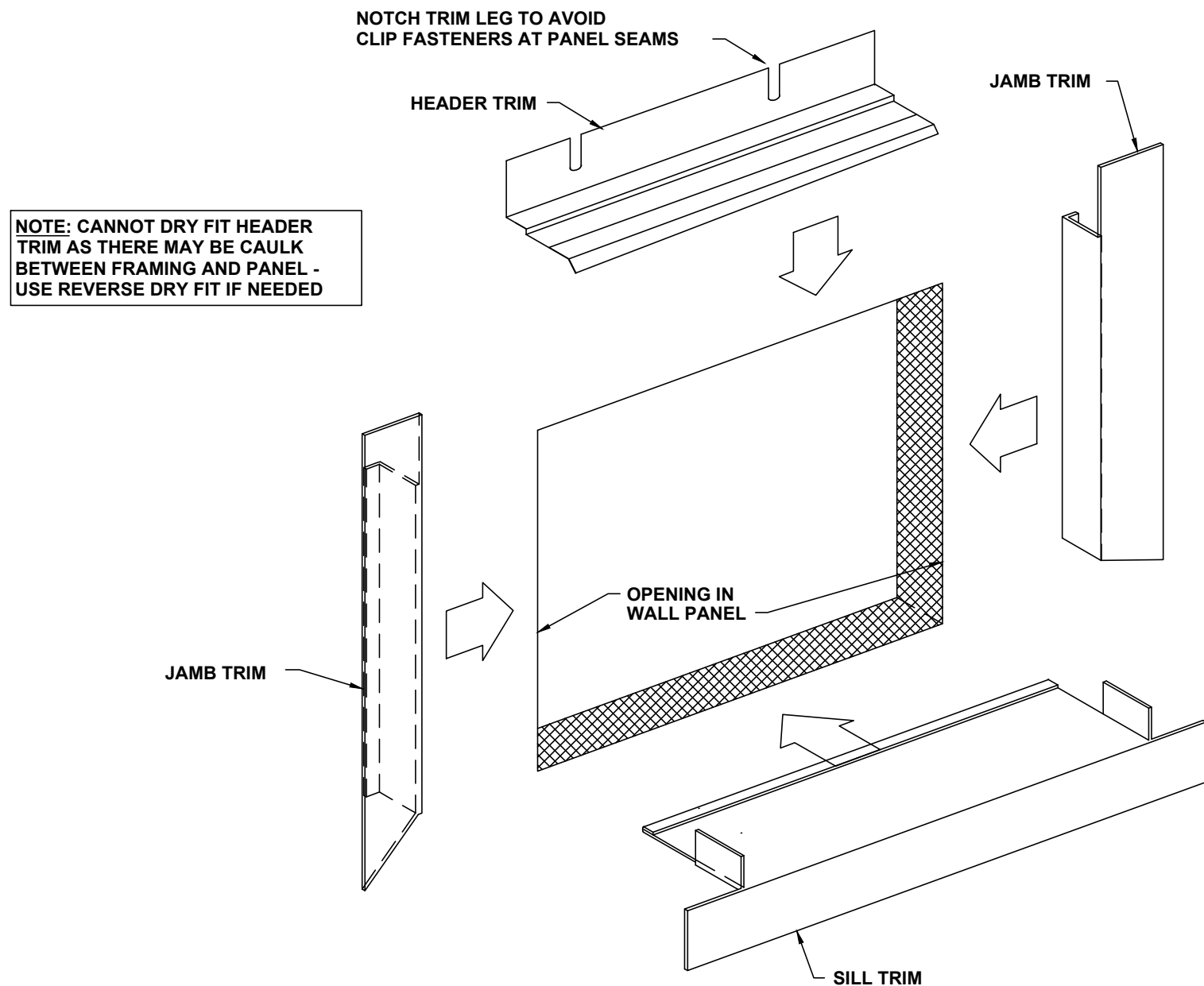


STEP TWO FABRICATE SILL FLASHING

NOTE: IF SILL TRIM IS NOT REQUIRED, PROCEED TO THE NEXT STEP



STEP THREE FABRICATE JAMB FLASHING



STEP FOUR - DRY FIT TRIMS TO OPENING

TRIM INSTALLATION DRAWING 1 OF 3 FOR INSULATED PANELS					
DRAWN BY	CHECKED BY	GROUP NUMBER: 00 000 00			
BSN	RLB				
FIRST RELEASE DATE	REVISION DATE	C	B-FRMOP2	02	
11/15/10	11/06/14				



12/05/2022

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

BUILDER	B3 Contractors
CUSTOMER	Arrowhead Transfer
LOCATION	Craig, Alaska
PROJECT	Arrowhead Shop
BUILDERS POW	



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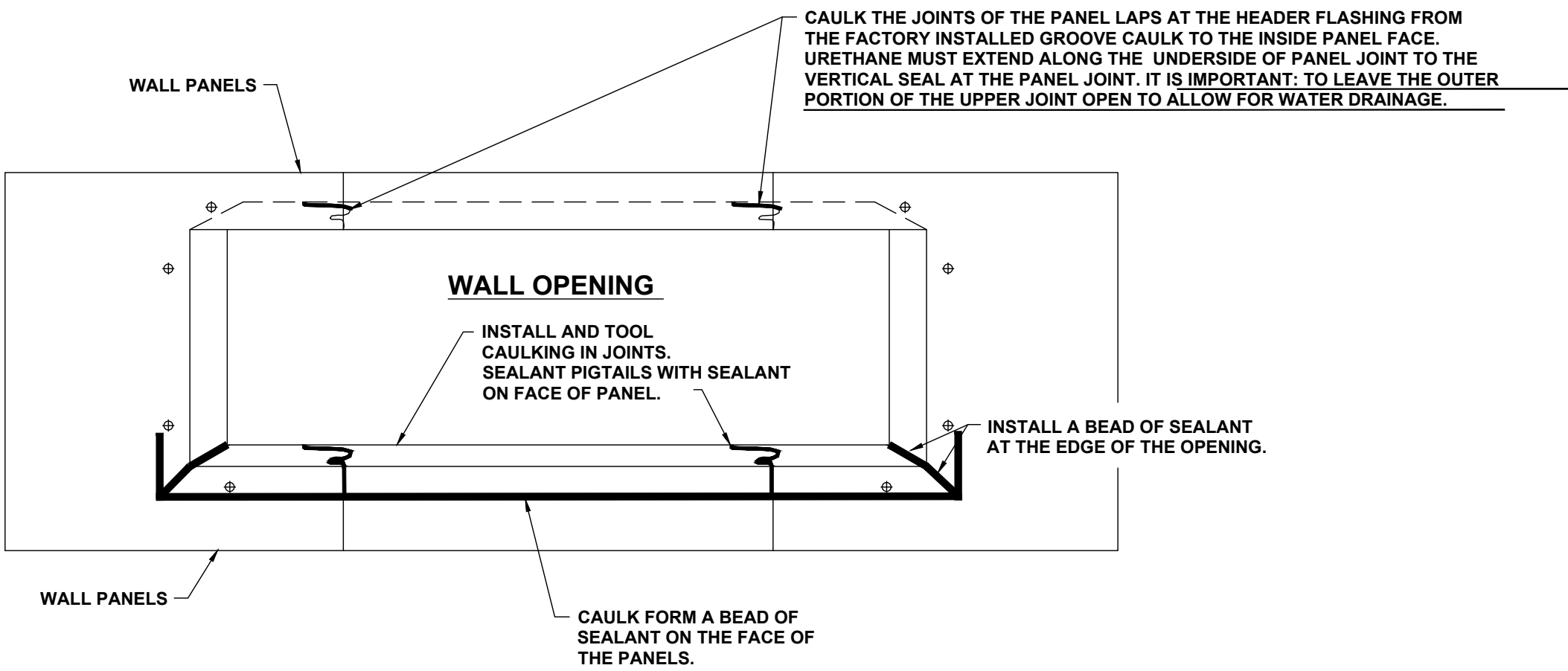
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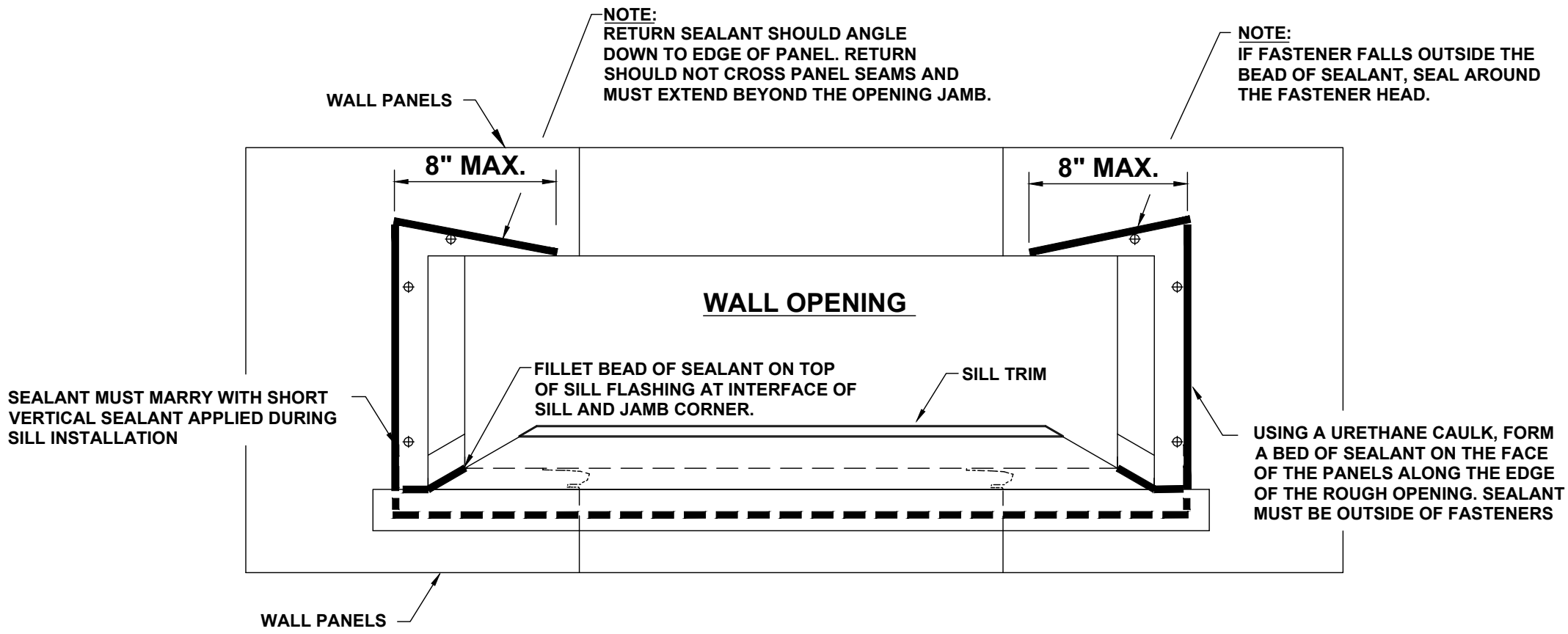
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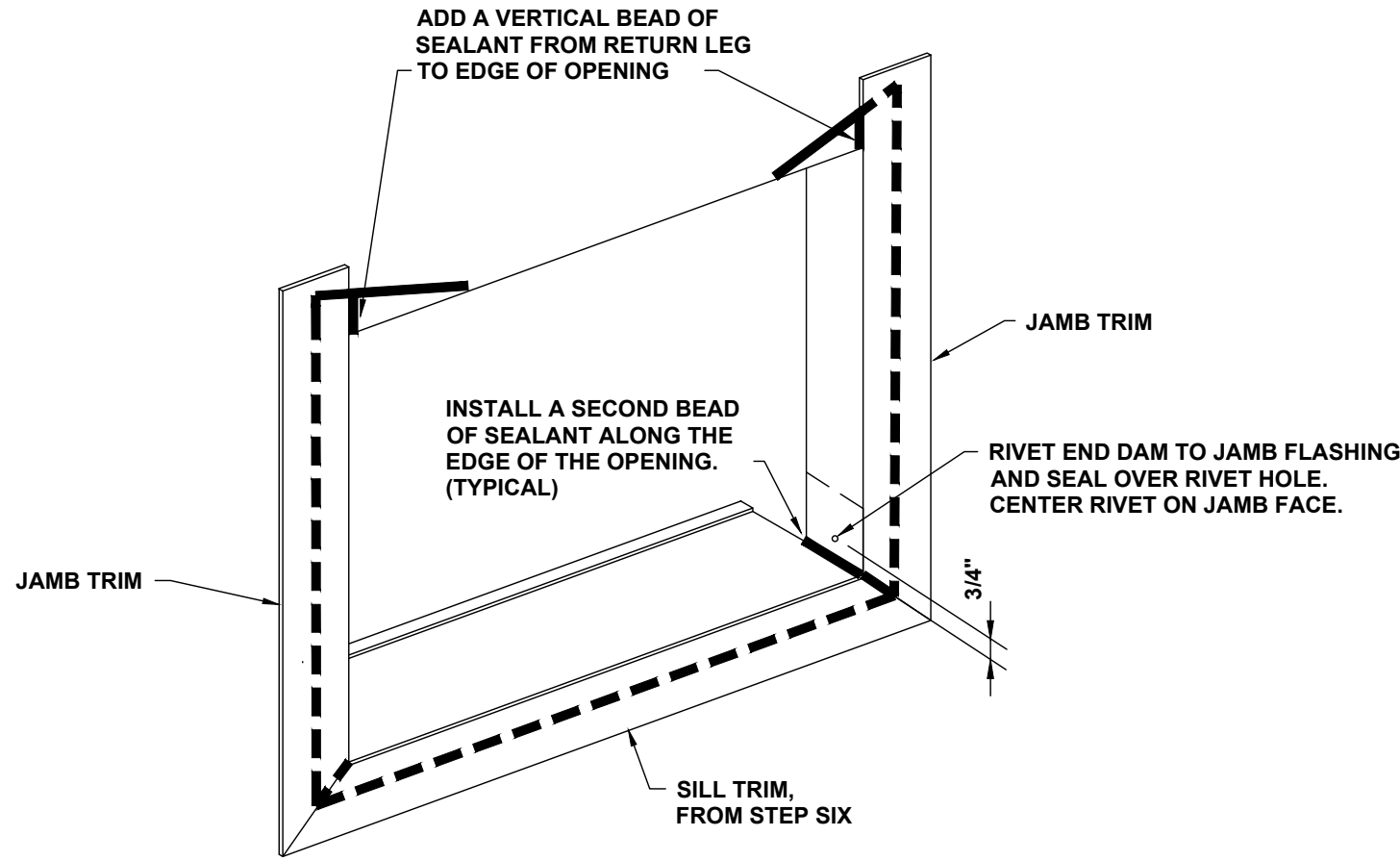
NOTE:  
PRIOR TO INSTALLING ANY OF THE METAL FLASHING CAULKING, CLEAN ALL METAL SURFACES TO BE SEALED, BY USING THE "TWO-CLOTH" CLEANING METHOD, CONSISTING OF A RUBBING ALCOHOL WIPE FOLLOWED BY A DRY CLOTH WIPE. INSTALL ALL SEALANTS WITH PROPER TOOLS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



STEP FIVE - INSTALL SEALANT AT SILL



STEP SIX - INSTALL SILL FLASHING AND JAMB SEALANT



STEP SEVEN - INSTALL JAMB FLASHING

IMPORTANT NOTE:  
INSTALL METAL SILL AND JAMB TRIM PIECES AND PRESS INTO ALL UNDERLYING SEALANTS ENSURING ENGAGEMENT OF SEALANT TO BOTH THE METAL PANEL AND THE TRIM PIECES.

- NOTE:
1. USE URETHANE SEALANT FOR ALL TRIM INSTALLATION. BEAD SIZE SHALL ALLOW FOR A DURABLE SEAL AT TRIM PIECES.
  2. INSTALL SEALANT 1 1/4" FROM EDGE OF WINDOW ROUGH OPENING AS WELL AS ALL CORNERS AND PANEL JOINTS AT SILL. SEALANT INSTALLED AT PANEL JOINTS SHOULD TURN DOWN AND TIE INTO SILL SEALANT AROUND EDGE OF WINDOW TO ALLOW PROPER SEAL AT TRIM PIECES.

TRIM INSTALLATION DRAWING 2 OF 3 FOR INSULATED PANELS					
DRAWN BY	CHECKED BY	GROUP NUMBER: 00 000 00			
BSN	RLB	C	B-FRMOP3	01	
FIRST RELEASE DATE	REVISION DATE				
11/15/10	12/04/18				



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NTS			

BUILDER	B3 Contractors
CUSTOMER	Arrowhead Transfer
LOCATION	Craig, Alaska
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BUILDERS PO#	



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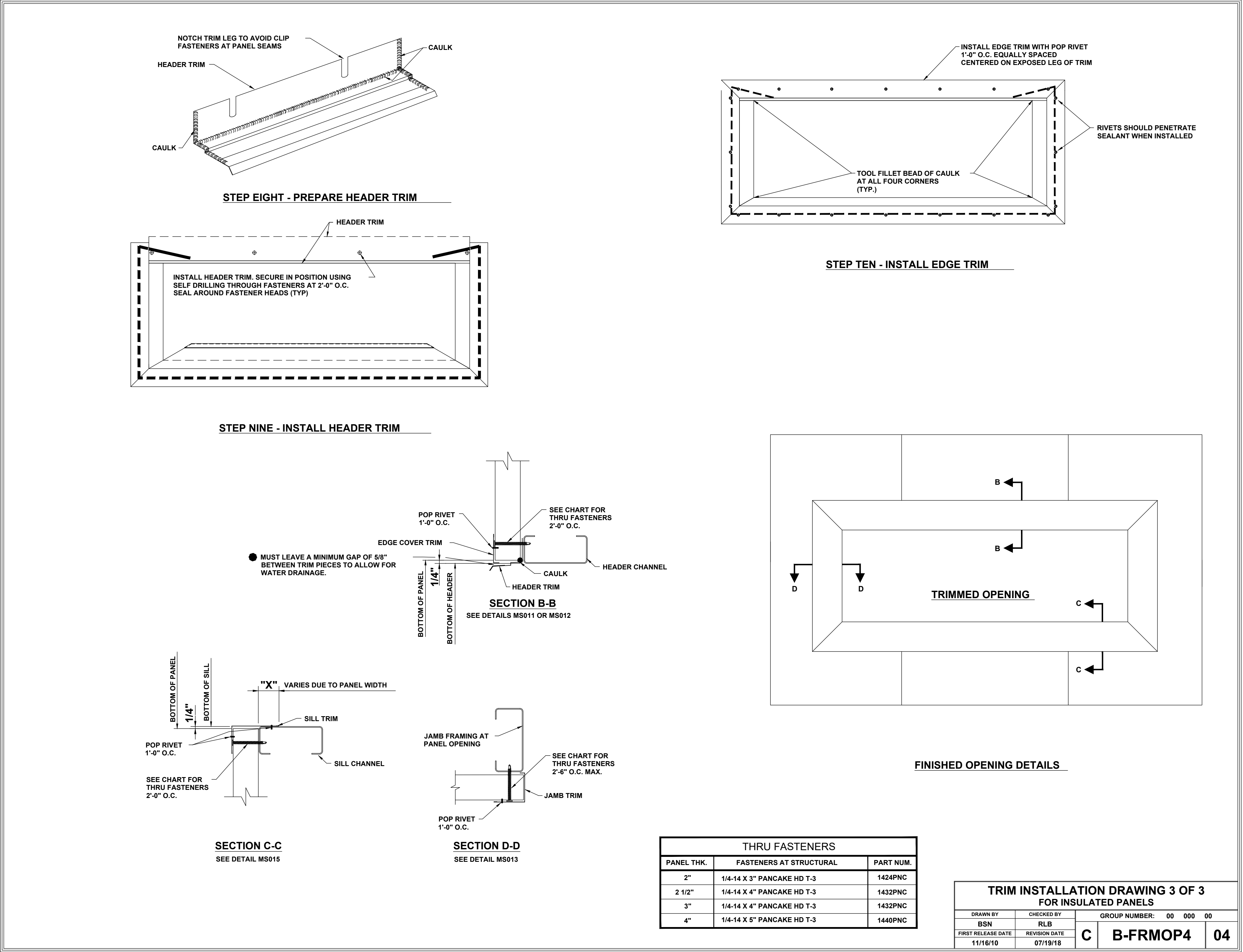
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D	VP Buildings			
	3200 Players Club Circle Memphis TN 38125			
	REV	DATE	BY	DESCRIPTION
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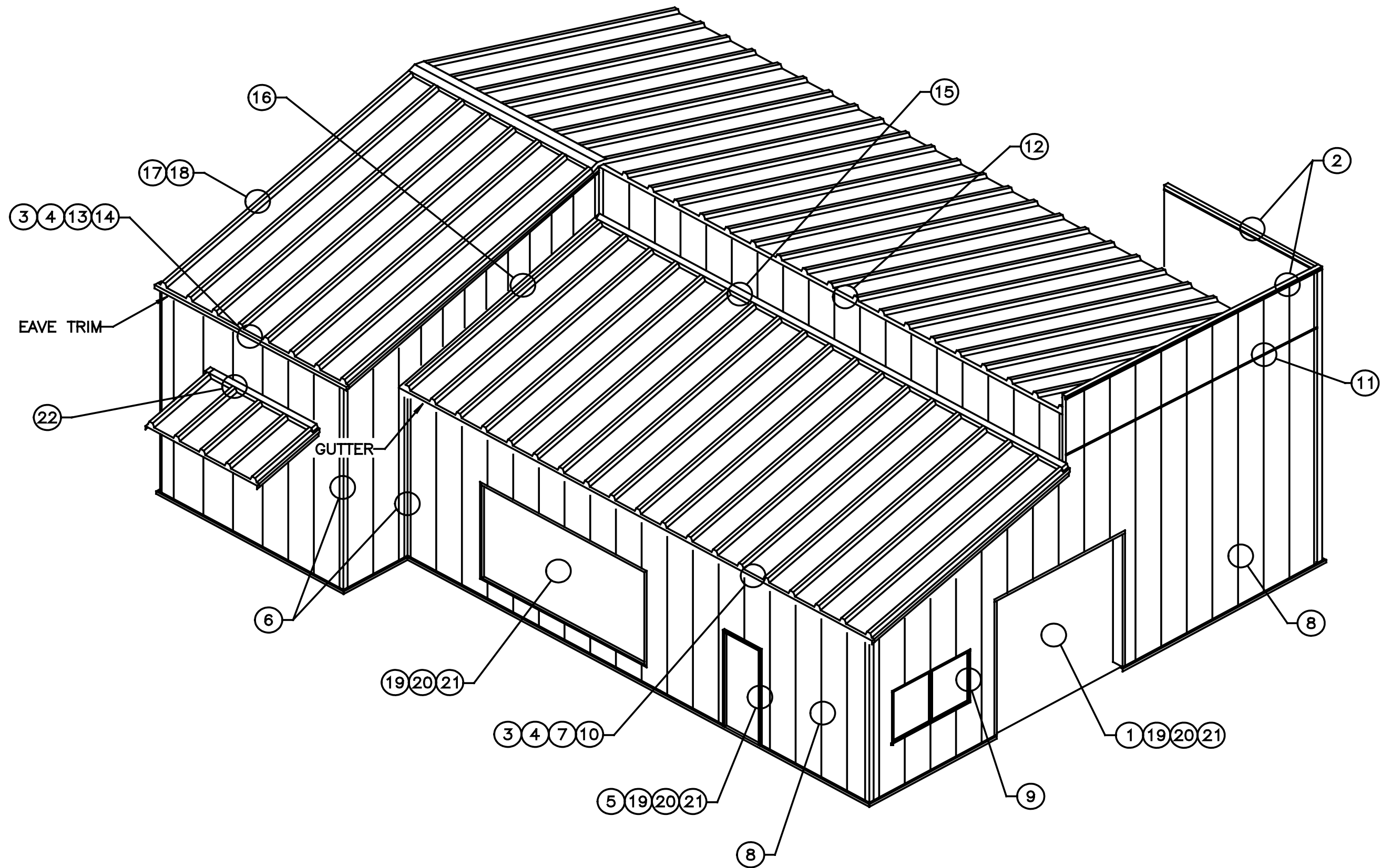
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DATE	06/09/2022
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INSULATED WALL PANEL DRAWINGS AND DETAILS		
ITEM	DRAWING NUMBER	DRAWING TITLE
1	B-080830	OVERHEAD DOOR INSTALLATION
2	B-080836	INSULATED WALL PANEL - PARAPET INSTALLATION
3	WC11J1	WALL AT EAVE (STANDARD PURLIN)
4	RC16J3	FLOATING LOW EAVE
5	B-081379	HOLLOW METAL DOOR - PANEL AND TRIM INSTALLATION
6	B-081398	CORNER TRIM INSTALLATION
7	RC32AD	EAVE GUTTER
8	B-081517	GENERAL PANEL INSTALLATION - INSULATED WALL PANEL
9	XXXXXXX	ERECTION DRAWINGS FOR WINDOW INSTALLATION WILL BE FURNISHED BY THE WINDOW SUPPLIER
10	RC37H8	FLOATING EAVE GUTTER
11	SEE DETAILS	STACKED JOINT DETAILS MS019 AND MS020
12	RC35AA	HIGH EAVE FASCIA
13	RC31A8	LOW EAVE FASCIA
14	RC36H8	LOW EAVE FLOATING FASCIA
15	RC50P1	WALL TO ROOF
16	RC52A7	ROOF HEIGHT CHANGE
17	RC30AF	RAKE TRIM
18	RC10J3	STARTING RAKE
19	B-FRMOP2	TRIM INSTALLATION FOR FRAMED OPENING 1 OF 3
20	B-FRMOP3	TRIM INSTALLATION FOR FRAMED OPENING 2 OF 3
21	B-FRMOP4	TRIM INSTALLATION FOR FRAMED OPENING 3 OF 3
22	S-081370	ROOF - WALL CANOPY FLASHING DETAILS AT BELOW EAVE

NOTE:  
ONLY THOSE DRAWINGS REQUIRED SPECIFICALLY ON A GIVEN BUILDING ORDER WILL BE FURNISHED WITH THE ORDER.

INSULATED WALL PANEL DRAWING INDEX			
DRAWN BY BSN	CHECKED BY PDW	GROUP NUMBER: 33 031 01	
FIRST RELEASE DATE 02/17/11	REVISION DATE 09/22/14	B	S-080879 02



FOR CONSTRUCTION

12/05/2022

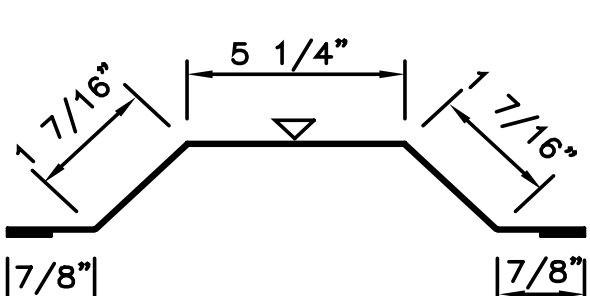
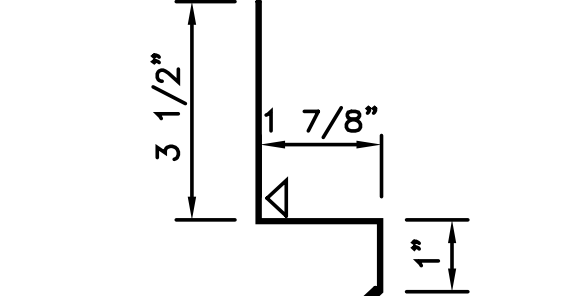
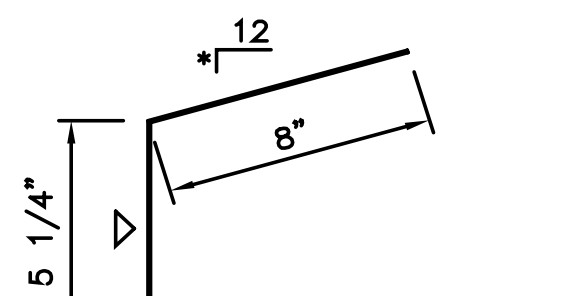
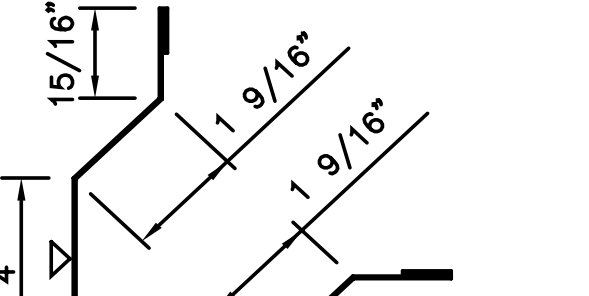
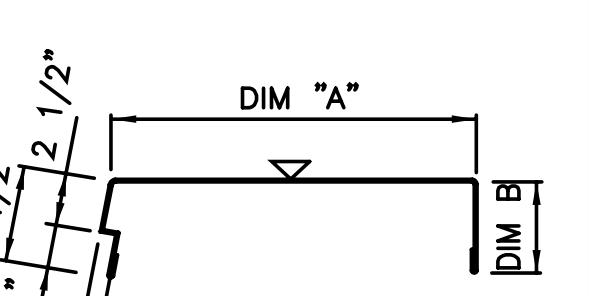
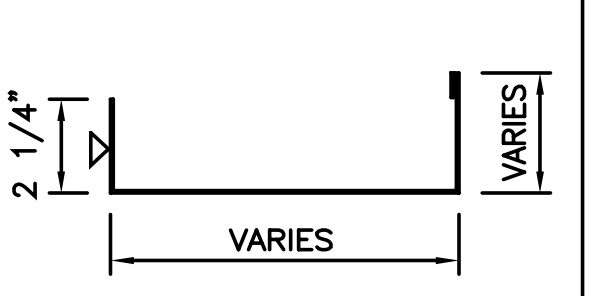
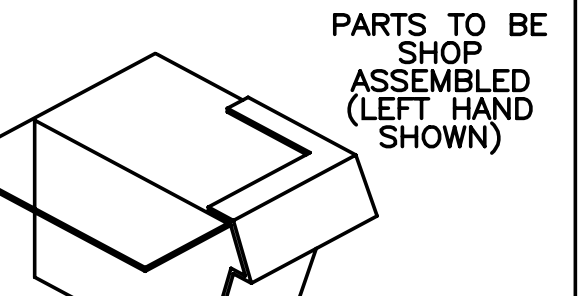
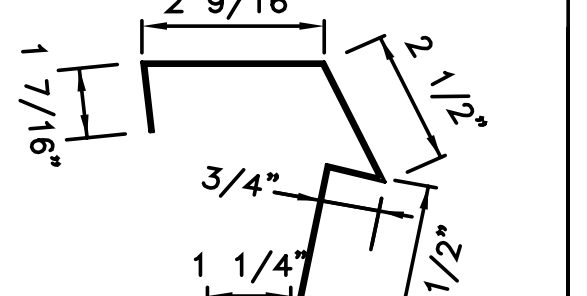
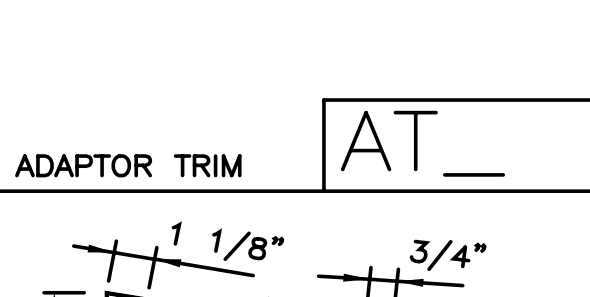
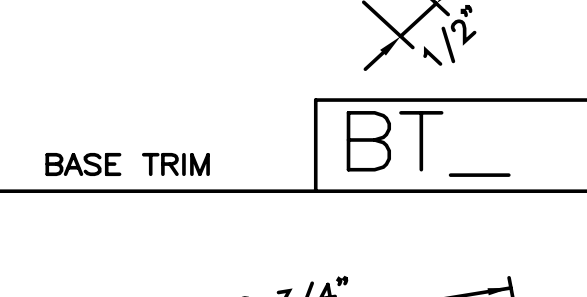
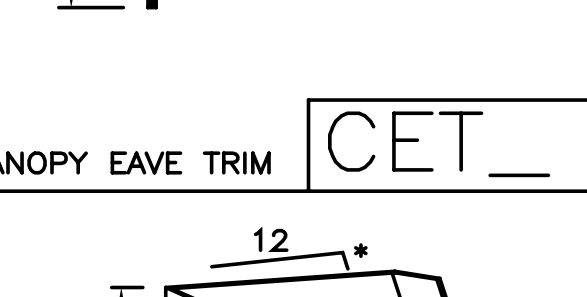
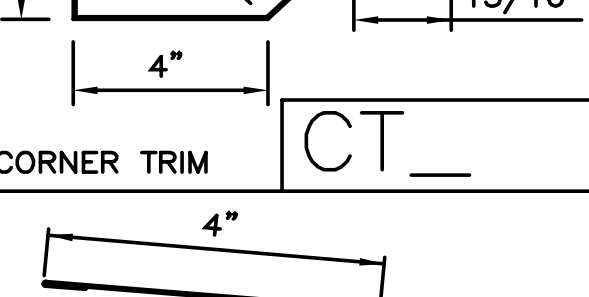
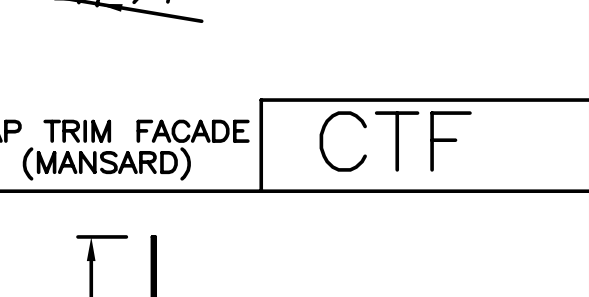
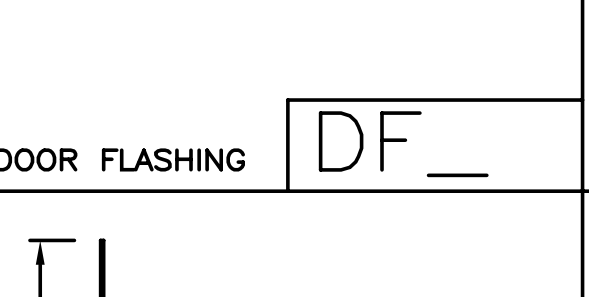
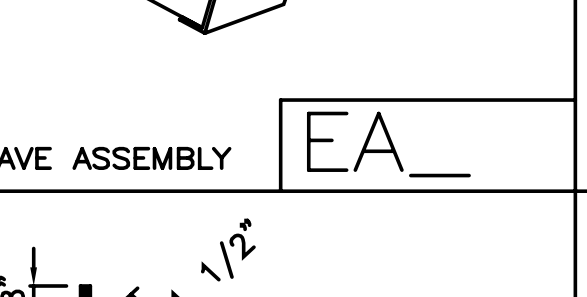

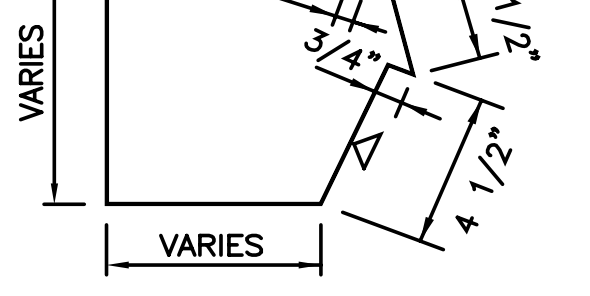
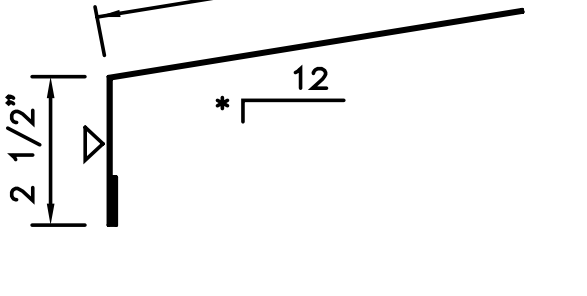
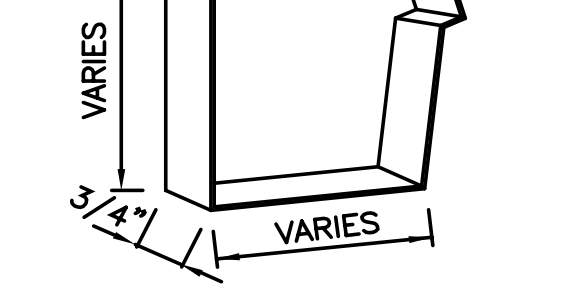
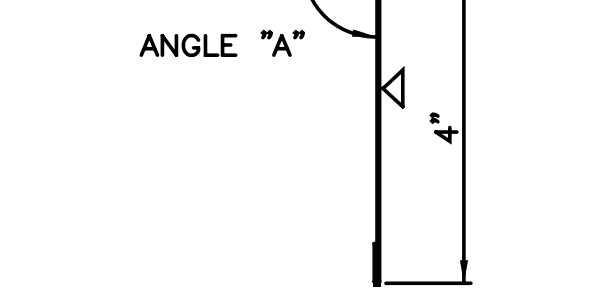
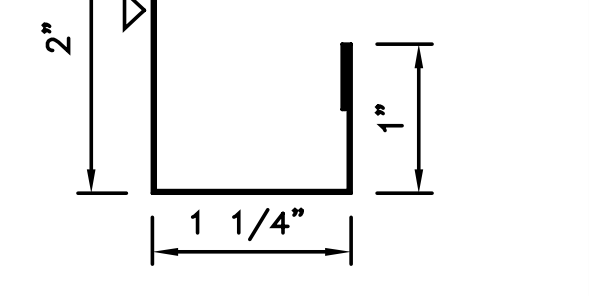
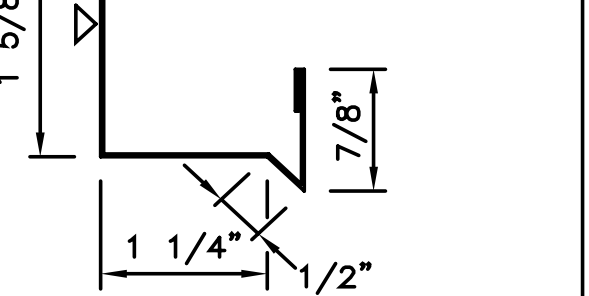
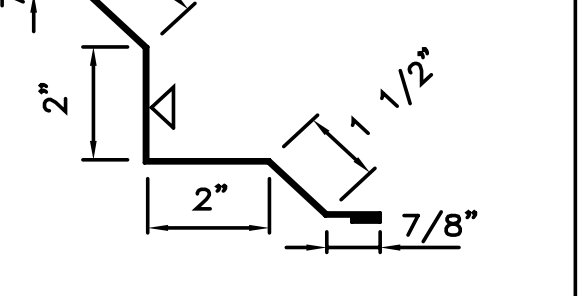
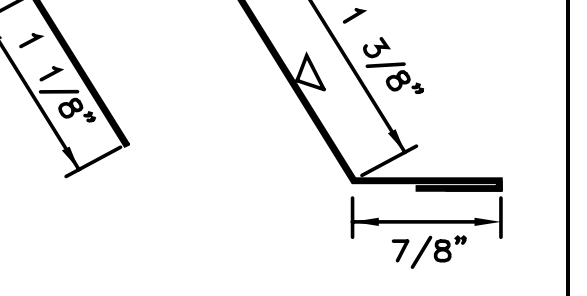
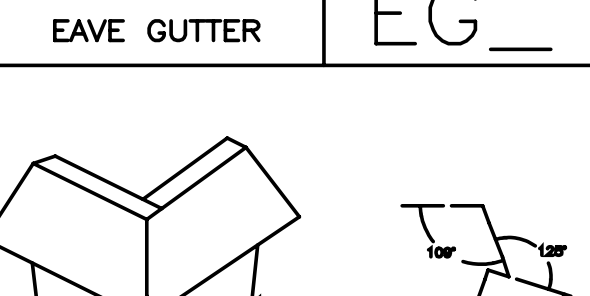
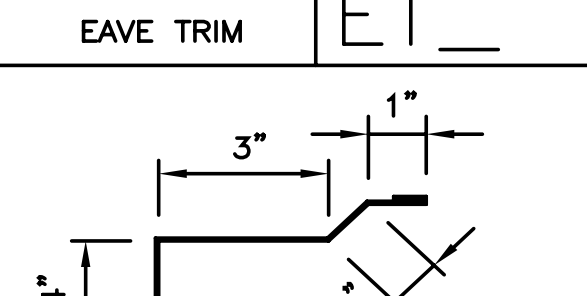
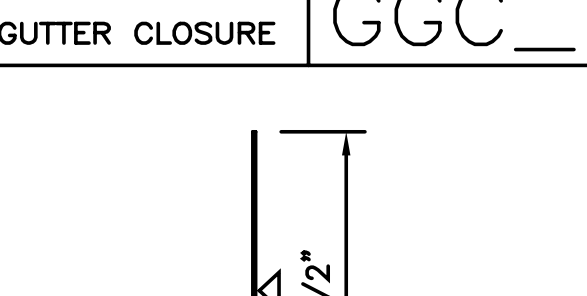
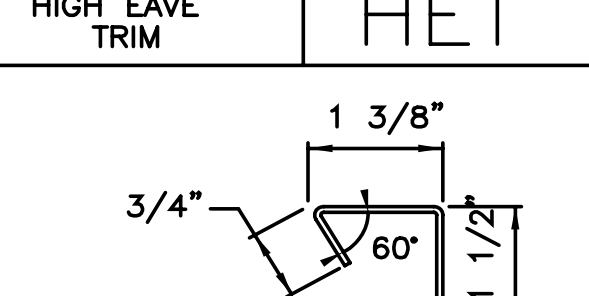
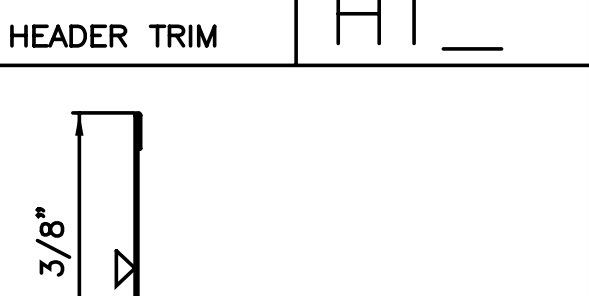
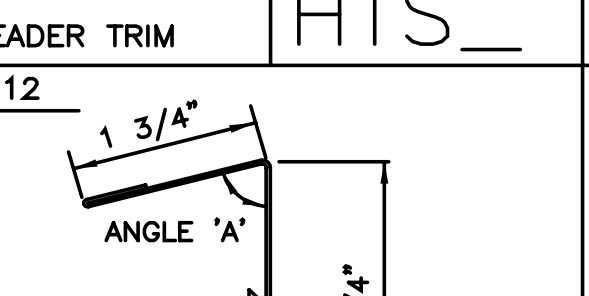
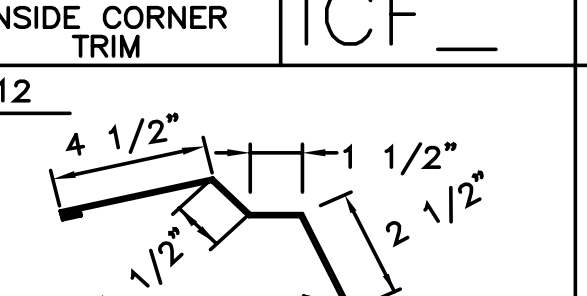
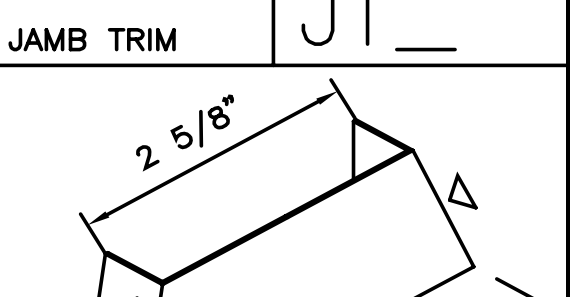
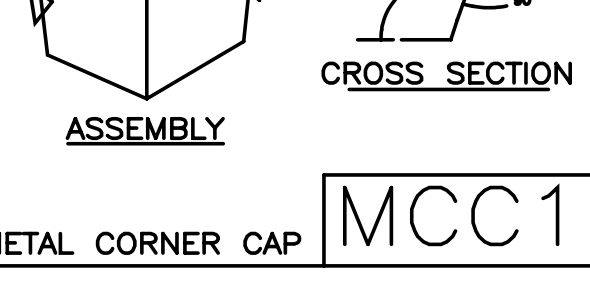
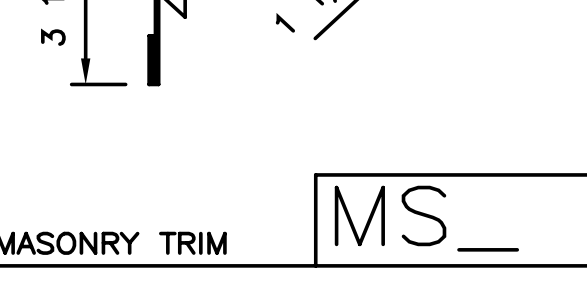
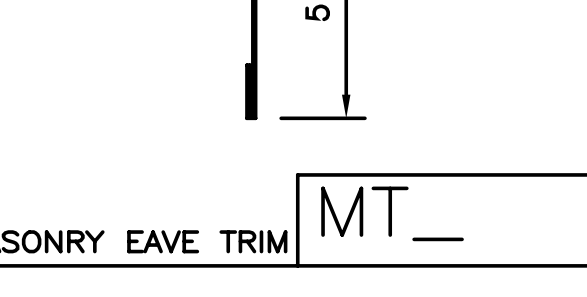
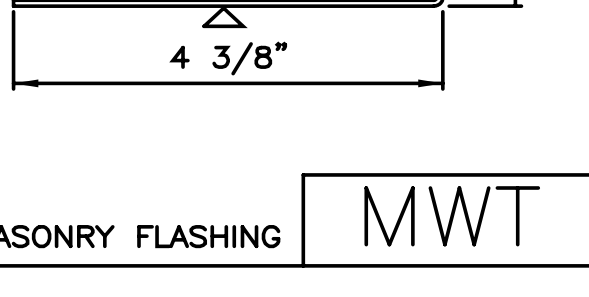
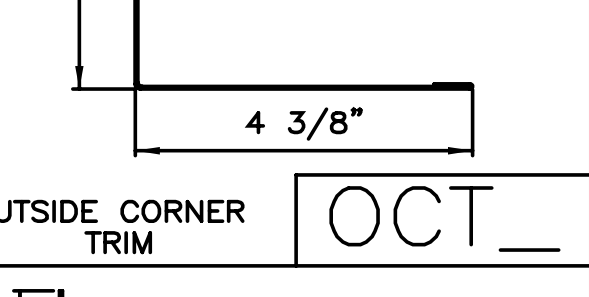
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VP Buildings 3200 Players Club Circle Memphis TN 38125				S-080879	
REV	DATE	BY	DESCRIPTION	BUILDER	B3 Contractors
				CUSTOMER	Arrowhead Transfer
				LOCATION	Craig, Alaska
				PROJECT	Arrowhead Shop
				BUILDERS PO#	
NTS				A BlueScope Steel Company VPC VERSION: 2021.3c	
4/22/2022 SEDSheet 17:03:59				FILENAME: JCA Arrowhesd Transfer Shop	
				JOBNO 21-028358-01	
				DATE 06/09/2022	
				DRAWN/CHECK OE JS	
				PAGE 37	



 ADAPTOR TRIM	 BASE TRIM	 CANOPY EAVE TRIM	 CORNER TRIM	 CAP TRIM FACADE (MANSARD)	 DOOR FLASHING	 EAVE ASSEMBLY	 EAVE FASCIA
 EAVE GUTTER	 EAVE TRIM	 GUTTER CLOSURE	 HIGH EAVE TRIM	 HEADER TRIM	 HEADER TRIM	 INSIDE CORNER TRIM	 JAMB TRIM
 METAL CORNER CAP	 MASONRY TRIM	 MASONRY EAVE TRIM	 MASONRY FLASHING	 OUTSIDE CORNER TRIM	 PANEL CLOSURE ANGLE	 PEAK FASCIA	 PANEL RIB FILLER
 PEAK RIB CAP	 ROOF HEIGHT CHANGE FLASHING	 RAKE CLOSURE	 RIDGE ROLL	 ROOF HEIGHT CHANGE TRIM	 RAKE FASCIA	 SOFFIT EAVE FLASH	 SOFFIT EAVE TRIM
 SHEET METAL PEAK CAP	 SSR RIDGE COVER	 SOFFIT TRIM	 SOFFIT TRIM (ROOF EXT.)	 WALL TO ROOF FLASHING			

\*TRIM COLOR NOTE\*  
 △ DESIGNATES COLOR SIDE

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



12/05/2022

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				3200 Players Club Circle Memphis TN 38125						
				REV	DATE	BY	DESCRIPTION	BUILDER	B3 Contractors	
								CUSTOMER	Arrowhead Transfer	
								LOCATION	Craig, Alaska	
								PROJECT	Arrowhead Shop	
			NTS			BUILDERS PO#				
						<div><div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2021.3c</div></div></div>			<div>JOBNO 21-028358-01</div> <div>DATE 06/09/2022</div> <div>DRAWN/CHECK OE JS</div> <div>PAGE 38</div>	



