
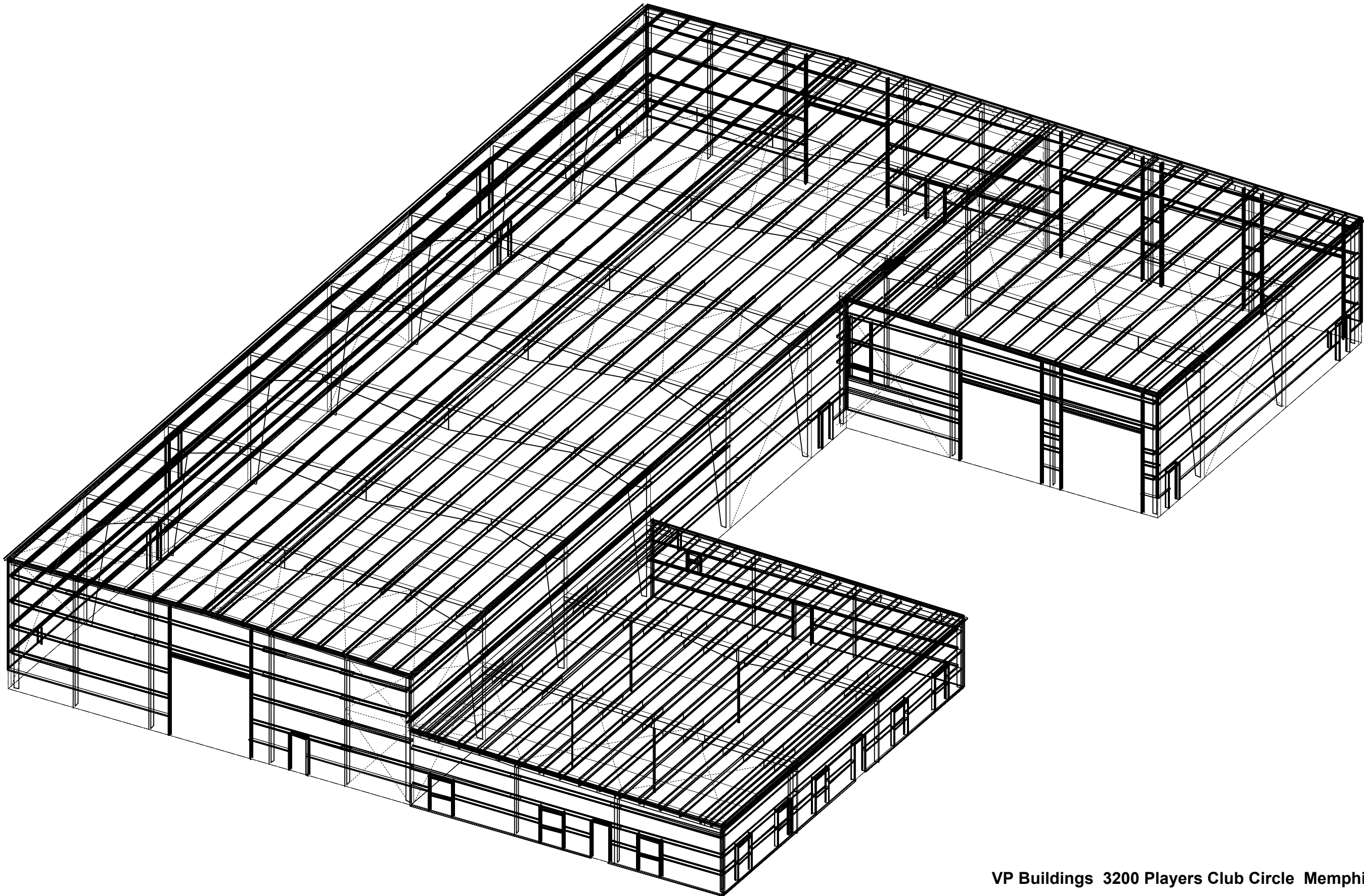


<div><div>a division of BlueScope Buildings North America, Inc.</div></div>	DRAWING INDEX		DRAWING RELEASE HISTORY		
	DRAWING TITLE	PAGES	TYPE	DATE	DESCRIPTION
	Cover Sheet				
	Codes and Loads				
	Notes				
	Anchor Rod Plan				
	Primary Structural				
	Secondary Structural				
	Covering				
	Special Drawings				
	Standard Erection Details				
	Planograph Details				

NOT FOR CONSTRUCTION

FOR REFERENCE ONLY

THE BASIS OF DESIGN FOR THE PRE-ENGINEERED BUILDING AND FOUNDATIONS IS MAUFACTURER VARCO-PRUDEN BUILDINGS. IF A MANUFACTURER OTHER THAN VARCO-PRUDEN IS ACCEPTED BY THE OWNER, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING CONSTRUCTION PLANS THAT ARE SIGNED AND SEALED BY A PA PROFESSIONAL ENGINEER. CONTRACTOR IS RESPONCIBLE FOR ALL COSTS ASSOCIATED WITH ANY CHANGES TO THE PLANS INCLUDING BUT NOT LIMITED TO PRE-ENGINEERED STEEL, FOUNDATIONS, ANCHOR BOLTS, ETC.



VP Buildings 3200 Players Club Circle Memphis TN 38125

GENERAL NOTES

MATERIALS

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

ASTM DESIGNATION

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

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

HIGH STRENGTH BOLT TIGHTENING REQUIREMENTS

IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE REGULATIONS. SEE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS FOR MORE INFORMATION. SEE ERECTION GUIDE FOR BOLT TIGHTENING INSTRUCTIONS. THE FOLLOWING CRITERIA MAY BE USED TO DETERMINE THE BOLT TIGHTNESS (I.E.-SNUG TIGHT OR PRE-TENSION) UNLESS REQUIRED OTHERWISE BY LOCAL JURISDICTION OR CONTRACT.

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

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

PRE-TENSION A325 BOLTS IF BUILDING SUPPORTS MACHINERY THAT CREATES VIBRATION, IMPACT, OR STRESS REVERSALS ON CONNECTIONS.

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

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

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

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

INSPECTION AND TESTING

SPECIAL INSPECTIONS AND TESTING REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ) DURING CONSTRUCTION AND/OR STEEL FABRICATION IS THE RESPONSIBILITY OF THE OWNER OR OWNERS AUTHORIZED AGENT. WHEN REQUIRED, THE OWNER SHALL EMPLOY A QUALITY ASSURANCE AGENCY (QAA) APPROVED BY THE AHJ. THE BUILDER IS RESPONSIBLE TO COORDINATE BETWEEN THE QAA FIRM AND BBNA FABRICATION FACILITIES. THE TYPE AND EXTENT OF SPECIAL INSPECTIONS AND NDT WELD TESTING MUST BE SPECIFICALLY STIPULATED IN CONTRACT DOCUMENTS OR BBNA WILL ASSUME SPECIAL INSPECTIONS AND/OR NDT TESTING ARE WAIVED AS PERMITTED BY THE BUILDING CODE BASED ON BBNA FACILITIES IAS AC472 ACCREDITATION.

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D COVER SHEET

BUILDER	SDE Construction, Inc.
CUSTOMER	Muhlenberg Public Works
LOCATION	Temple, Pennsylvania
PROJECT	Muhlenberg Twp Public Works
BUILDERS PO#	



VPC VERSION: 2019.2

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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: TempleCounty: BerksState: PennsylvaniaCountry: United States

Building Code

Building Code: 2015 International Building Code

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

Dead and Collateral Loads

Collateral Gravity:5.00 psf

Collateral Uplift: 0.00 psf

Wind Load

Wind Speed: Vult: 115.00 (Vasd: 89.08) mph

The 'Envelope Procedure' is Used

Wind Exposure: C - Kz: 0.849

Parts Wind Exposure Factor: 0.849

Wind Enclosure: Enclosed

Topographic Factor: Kzt: 1.0000

NOT Windborne Debris Region

Base Elevation: 0/0/0

Primary Zone Strip Width: 2a: 11/4/5

Parts / Portions Zone Strip Width: a: 5/8/3

Basic Wind Pressure: q: 24.43 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: 1 Fully Exposed - Ce: 0.90

Snow Importance: Is: 1.000

Thermal Factor: Heated - Ct: 1.00

Ground / Roof Conversion: 0.70

Roof Live Load

Roof Live Load: 20.00 psf Not Reducible

Seismic Load

Lateral Force Resisting Systems using Equivalent Force Procedure

Mapped MCE Acceleration: Ss: 19.10 %g

Mapped MCE Acceleration: Sl: 6.00 %g

Site Class: Stiff soil (D)

Seismic Importance: Ie: 1.000

Design Acceleration Parameter: Sds: 0.2037

Design Acceleration Parameter: Sdl: 0.0960

Seismic Design Category: B

Seismic Snow Load: 0.00 psf

% Snow Used in Seismic: 0.00

Diaphragm Condition: Flexible

Fundamental Period Height Used: 14/7/12

Transverse Direction Parameters

System NOT detailed for Seismic

Redundancy Factor: Rho: 1.00

Fundamental Period: Ta: 0.2397

R-Factor: 3.00

Overstrength Factor: Omega: 2.50

Deflection Amplification Factor: Cd: 3.00

Base Shear: V: 0.0679 x W

Longitudinal Direction Parameters

System NOT detailed for Seismic

Redundancy Factor: Rho: 1.00

Fundamental Period: Ta: 0.1497

R-Factor: 3.00

Overstrength Factor: Omega: 2.50

Deflection Amplification Factor: Cd: 3.00

Base Shear: V: 0.0679 x W

Snow Buildup

Shape

Offices

Surface

Roof: A

Description

Snow Drift (from Wall 1, Shape Garage-MaintBays) : Roof: A

X Location

0.0 ft

83.0 ft

83.0 ft

0.0 ft

Y Location

0.0 ft

0.0 ft

13.7 ft

13.7 ft

Magnitude

65.8 psf

65.8 psf

0.0 psf

0.0 psf

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.

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.

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/Metal_Building_Systems/MB.html)
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/Metal_Building_Systems/MB.html)
Listed under Varco Pruden Buildings, a Division of BlueScope Buildings North America, Inc.

Canadian CSA A660 Certifications
(http://eng.cwbgroup.org/Certification/Pages/CertifiedCompanySearch.aspx)
Listed under BlueScope Buildings North America, Inc.

Engineering Certifications of Authorization
USA--AR#576; FL#30427; ID#C-2470; IL#184-002649; KS#E-29; MS#E-0592;
MO#E-2010007736; NC#F-0998; OK#CA4170PE; SD#C-1787; TX#F4828; WV#C03059-00;
CAN--AB#P08900; NS#30123; 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.

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D	VP Buildings			ERECTION NOTES	
	3200 Players Club Circle Memphis TN 38125				
REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.
				CUSTOMER	Muhlenberg Public Works
				LOCATION	Temple, Pennsylvania
				PROJECT	Muhlenberg Twp Public Works
				BUILDERS PO#	
NTS				FILENAME:	09-03-19--MPW from VP - Copy
	10/18/2019		15:06:56		



VP BUILDINGS
VARCO PRUDEN

A BlueScope Steel Company
VPC VERSION: 2019.2

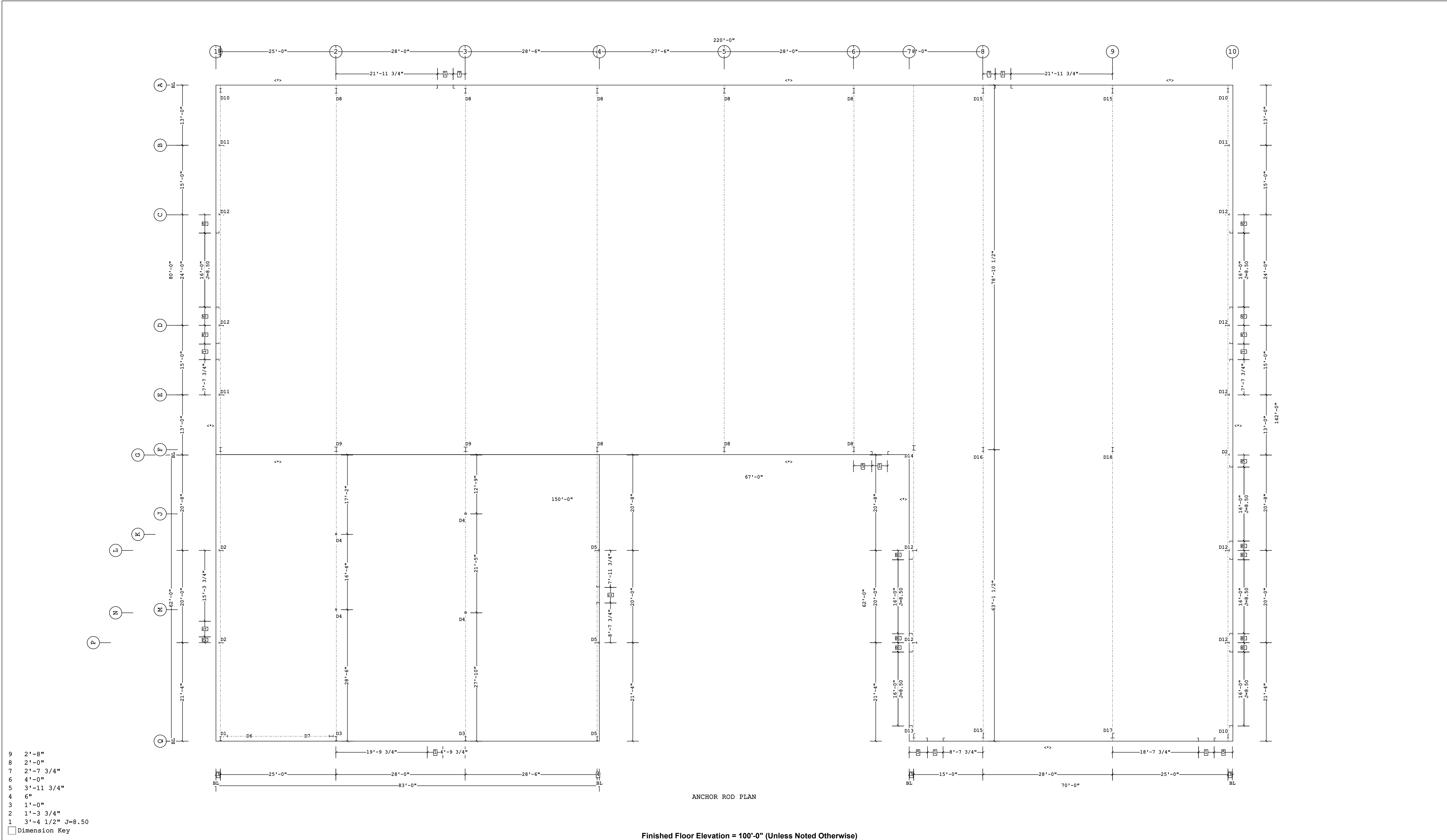
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DATE
5/1/2019

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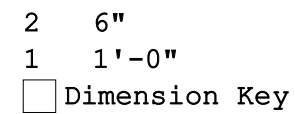
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<div><=> THE BUILDING IS DESIGNED WITH BRACING DIAGONALS IN THE DESIGNATED BAYS. COLUMN BASE REACTIONS, BASE PLATES AND ANCHOR RODS ARE AFFECTED BY THIS BRACING AND DIAGONALS MAY NOT BE RELOCATED WITHOUT CONSULTING THE BUILDING SUPPLIERS ENGINEER.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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	VP Buildings 3200 Players Club Circle Memphis TN 38125		ANCHOR ROD PLAN							
			REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.			<div><div><div></div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company VPC VERSION: 2019.2</div></div>	JOBNO	
							CUSTOMER	Muhlenberg Public Works				DATE	5/1/2019
							LOCATION	Temple, Pennsylvania				DRAWN/CHECK	VPC ---
							PROJECT	Muhlenberg Twp Public Works				PAGE	4
							BUILDERS PO#						
NTS													

				<ol style="list-style-type: none">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 SHEAR AND TENSION PER AISI SPECIFICATIONS (F1554-36KSI). (ASTM F1554 GRADE 36) ANCHOR ROD LENGTH, EFFECTS OF EMBEDDED ANCHOR ROD EDGE DIMENSIONS AND METHOD OF TRANSFERRING FORCES FROM ANCHOR RODS TO FOOTINGS ARE TO BE DETERMINED BY OTHERS.3. UNLESS OTHERWISE SPECIFIED, ANCHOR RODS ARE DESIGNED AND DETAILED AS "CAST-IN-PLACE" ANCHOR RODS WITH "SNUG TIGHT" CONNECTIONS.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 IS RESPONSIBLE FOR ACCURATE SETTING OF ANCHOR RODS PER AISI CODE OF STANDARD PRACTICE, SEC 7.5. VARIATIONS ARE SUMMARIZED BELOW:<ol style="list-style-type: none">a. CENTERS OF ANY TWO AR'S WITHIN A COLUMN BASE GROUP: $\pm 1/8"$b. CENTERS OF ADJACENT AR GROUPS: $\pm 1/4"$c. TOPS OF AR'S: $\pm 1/2"$d. ACCUMULATED DIM BETWEEN CENTERS OF AR GROUPS ALONG COLUMN LINE: $\pm 1/4"$ PER 100FT., NOT TO EXCEED 1" TOTAL.e. DIM FROM CENTER OF ANY AR GROUP FROM COLUMN LINE: $\pm 1/4"$5. DESIGN LOADS AND REACTIONS ARE FURNISHED IN THE REACTIONS REPORT.				

<div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <table><tr><td>REV</td><td>DATE</td><td>BY</td><td>DESCRIPTION</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td colspan="4">NTS</td></tr></table>	REV	DATE	BY	DESCRIPTION																	NTS				<div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	<div>ANCHOR ROD PLAN - DETAILS</div>	<div><div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>vpc VERSION: 2019.2</div></div><div><div>JOBNO</div><div>DATE</div><div>DRAWN/CHECK</div><div>PAGE</div><div></div><div>5/1/2019</div><div>VPC ---</div><div>5</div></div></div>
				REV	DATE	BY	DESCRIPTION																							
NTS																														
<div>BUILDER</div> <div>SDE Construction, Inc.</div>	<div>CUSTOMER</div> <div>Muhlenberg Public Works</div>	<div>LOCATION</div> <div>Temple, Pennsylvania</div>	<div>PROJECT</div> <div>Muhlenberg Twp Public Works</div>	<div>BUILDERS PO#</div> <div></div>																										



Shape Name = Offices, Shape = Garage-MaintBays

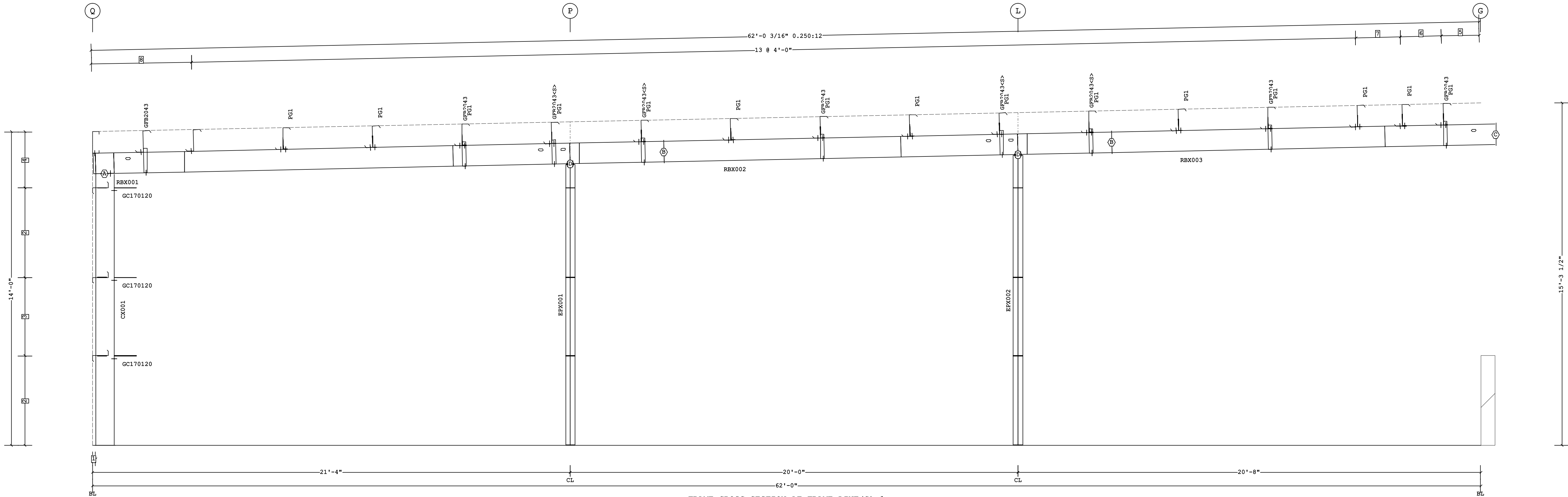
<div>1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.</div> <div>2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>		<div>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.</div>		<div>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.</div> <div>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>		<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><tr><td colspan="4">NTS</td></tr><tr><td colspan="2">10/18/2019</td><td colspan="2">15:07:00</td></tr></table>		REV	DATE	BY	DESCRIPTION													NTS				10/18/2019		15:07:00		<div><div>PRIMARY AND ROOF BRACING PLAN</div><table><tr><td>BUILDER</td><td colspan="2">SDE Construction, Inc.</td><td rowspan="4"><div><div><div>VP BUILDINGS</div><div>VARGO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2019.2</div></div><div>a division of BlueScope Buildings North America, Inc.</div></td><td colspan="2">JOB NO</td></tr><tr><td>CUSTOMER</td><td colspan="2">Muhlenberg Public Works</td><td colspan="2">DATE 5/1/2019</td></tr><tr><td>LOCATION</td><td colspan="2">Temple, Pennsylvania</td><td colspan="2">DRAWN/CHECK VPC ---</td></tr><tr><td>PROJECT</td><td colspan="2">Muhlenberg Twp Public Works</td><td colspan="2">PAGE 6</td></tr><tr><td colspan="3">BUILDERS PO#</td><td colspan="3">FILENAME: 09-03-19--MPW from VP - Copy</td></tr></table></div>				BUILDER	SDE Construction, Inc.		<div><div><div>VP BUILDINGS</div><div>VARGO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2019.2</div></div> <div>a division of BlueScope Buildings North America, Inc.</div>	JOB NO		CUSTOMER	Muhlenberg Public Works		DATE 5/1/2019		LOCATION	Temple, Pennsylvania		DRAWN/CHECK VPC ---		PROJECT	Muhlenberg Twp Public Works		PAGE 6		BUILDERS PO#			FILENAME: 09-03-19--MPW from VP - Copy		
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BUILDERS PO#			FILENAME: 09-03-19--MPW from VP - Copy																																																											

Frame Member Schedule							
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth
CX001	1	5.0000	.1345	.1345	10"	10"	12'-1 3/4"
RBX001	2	5.0000	.1875	.1345	11"	11"	25'-5 15/16"
	3	5.0000	.1875	.1345	11"	11"	
	4	5.0000	.1875	.1345	11"	11"	
	5	5.0000	.1875	.1345	11"	11"	
	6	5.0000	.1875	.1345	11"	11"	20'-0"
RBX002	7	5.0000	.1875	.1345	11"	11"	
	8	5.0000	.1875	.1345	11"	11"	
	9	5.0000	.1875	.1644	11"	11"	17'-2 1/8"
RBX003	10	5.0000	.1875	.1644	11"	11"	
	11	5.0000	.1345	.1345	10"	10"	12'-6 7/8"
EPX001	11	5.0000	.1345	.1345	10"	10"	77#
EPX002	12	5.0000	.1345	.1345	10"	10"	79#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt	Bolt	Plate	Rows	Rows	PartNo	
			Dia.	Length	Thick.	Out	In		
A	4	A325	1/2"	1 1/2"	3/8"	-	2	49080	
B	4	A325	1/2"	1 1/2"	1/4"	1	1	49080	
C	2	A325	1/2"	2"	3/8"	1	-	0097280	
D	4	A325	1/2"	1 1/2"	3/8"	1	1	49080	

<S> - (2) Washers (095872) req'd at Flange Brace to Secondary.

Frame Clearances
Vert. Clearance at member 1(CX001): 12'-1 3/4"
Vert. Clearance at member 11(EPX001): 12'-6 13/16"
Vert. Clearance at member 12(EPX002): 12'-11 13/16"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



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

Dimension Key

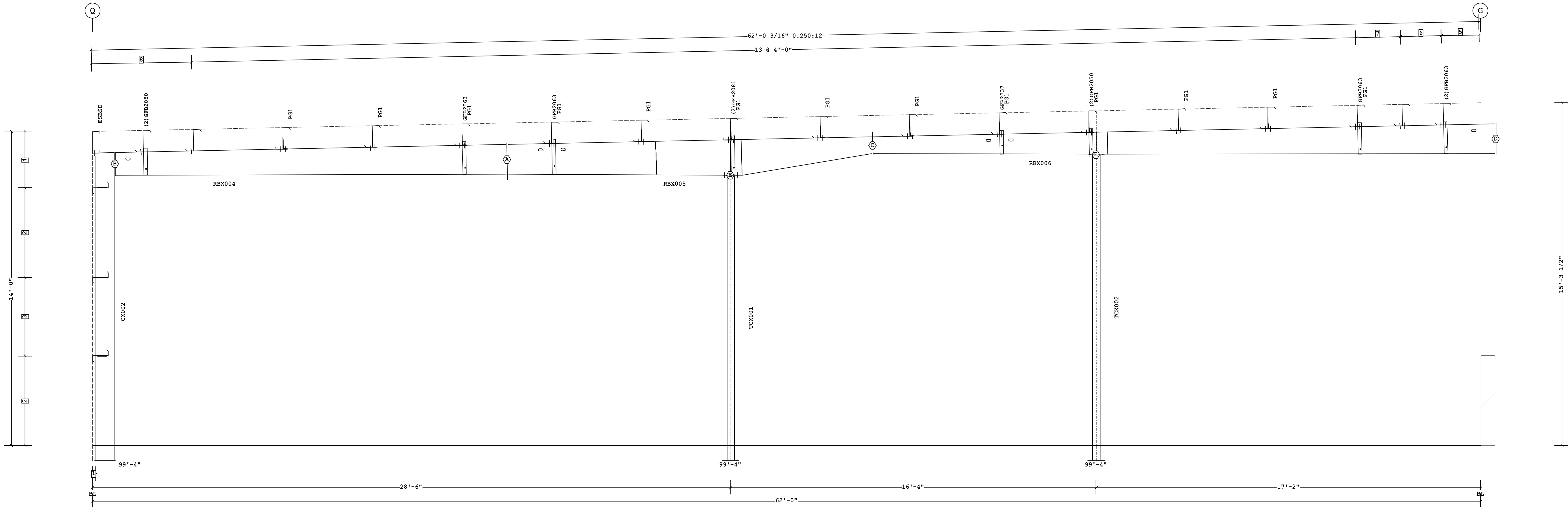
Shape Name = Offices Wall 4, Frame 1

<div>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.</div> <div>2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	FRAME CROSS SECTION AT FRAME LINE(S) 1										
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.		<div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2019.2</div><div>a division of BlueScope Buildings North America, Inc.</div></div>	JOBNO		
								CUSTOMER	Muhlenberg Public Works				DATE	5/1/2019
								LOCATION	Temple, Pennsylvania				DRAWN/CHECK	VPC ---
								PROJECT	Muhlenberg Twp Public Works				PAGE	7
								BUILDERS PO#					FILENAME:	09-03-19--MPW from VP - Copy
				NTS										
				10/18/2019				15:07:02						

Frame Member Schedule								
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX002	1	5.0000	.2500	.1345	10"	10"	13'-8 3/4"	198#
RBX004	2	6.0000	.5000	.1345	1'-0"	1'-4"	17'-6 3/16"	493#
RBX005	3	5.0000	.3125	.1644	1'-4"	1'-7"	16'-4 1/16"	355#
	4	5.0000	.3125	.1644	1'-7"	9"		
RBX006	5	5.0000	.1875	.1345	9"	1'-0"	27'-10 3/16"	417#
	6	5.0000	.2500	.1644	1'-0"	1'-4"		
TCX001	7	HSS4X4X.250			4"	4"	12'-8 3/4"	17#
TCX002	8	HSS4X4X.125			4"	4"	13'-7 7/8"	14#

Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo		
A	6	A325	3/4"	2 1/2"	1/2"	1	2	0097284		
B	2	A325	7/8"	3 1/2"	3/8"	1	-	0097380		
C	6	A325	3/4"	2 1/2"	3/8"	2	1	0097284		
D	4	A325	1/2"	2"	3/8"	2	-	0097280		
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080		

Frame Clearances
Vert. Clearance at member 1(CX002): 12'-7 1/4"
Vert. Clearance at member 7(TCX001): 12'-0 3/4"
Vert. Clearance at member 8(TCX002): 12'-11 7/8"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 2

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

Dimension Key

Shape Name = Offices Wall 4, Frame 2

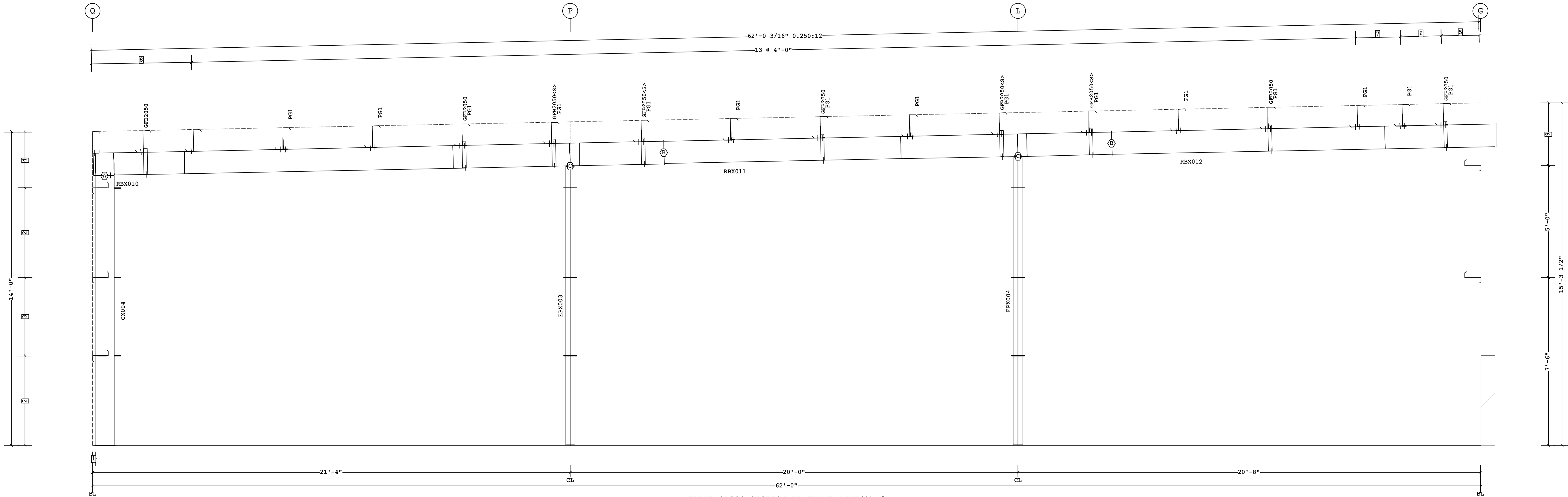
<div>1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.</div> <div>2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div>	VP Buildings 3200 Players Club Circle Memphis TN 38125			FRAME CROSS SECTION AT FRAME LINE(S) 2					
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.		<div><div><div></div><div>VP BUILDINGS</div><div>VARGO PRUDEN</div></div><div>A BlueScope Steel Company vpc VERSION: 2019.2</div></div>	JOBNO
								CUSTOMER	Muhlenberg Public Works			DATE
								LOCATION	Temple, Pennsylvania			DRAWN/CHECK
								PROJECT	Muhlenberg Twp Public Works			VPC
								BUILDERS PO#				---
								NTS		PAGE 8		

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Frame Member Schedule									
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Detail
CX004	1	5.0000	.1345	.1345	10"	10"	12'-0 3/4"	130#	
RBX010	2	5.0000	.1875	.1345	1'-0"	1'-0"	25'-5 15/16"	326#	
	3	5.0000	.1875	.1345	1'-0"	1'-0"			
	4	5.0000	.1875	.1345	1'-0"	1'-0"			
	5	5.0000	.1875	.1345	1'-0"	1'-0"			
RBX011	6	5.0000	.1875	.1345	1'-0"	1'-0"	20'-0"	249#	
	7	5.0000	.1875	.1345	1'-0"	1'-0"			
	8	5.0000	.1875	.1345	1'-0"	1'-0"			
	9	5.0000	.1875	.1345	1'-0"	1'-0"			
RBX012	10	5.0000	.1875	.1345	1'-0"	1'-0"	17'-2 1/8"	214#	
	11	5.0000	.1875	.1345	1'-0"	1'-0"			
EPX003	11	5.0000	.1345	.1345	10"	10"	12'-5 7/8"	77#	BR25CA
EPX004	12	5.0000	.1345	.1345	10"	10"	12'-10 7/8"	79#	BR25CA

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

Frame Clearances
Vert. Clearance at member 1(CX004): 12'-0 3/4"
Vert. Clearance at member 11(EPX003): 12'-5 13/16"
Vert. Clearance at member 12(EPX004): 12'-10 13/16"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



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

Dimension Key

Shape Name = Offices Wall 4, Frame 4

<div>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.</div> <div>2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	FRAME CROSS SECTION AT FRAME LINE(S) 4							
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.	<div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company VPC VERSION: 2019.2</div></div> <div>a division of BlueScope Buildings North America, Inc.</div>	<div>JOBNO</div> <div>DATE</div> <div>5/1/2019</div> <div>DRAWN/CHECK</div> <div>VPC ---</div> <div>PAGE</div> <div>10</div>
								CUSTOMER	Muhlenberg Public Works		
								LOCATION	Temple, Pennsylvania		
								PROJECT	Muhlenberg Twp Public Works		
								BUILDERS PO#			
				NTS							

10/18/2019

15:07:06

FILENAME: 09-03-19--MPW from VP - Copy

Frame Member Schedule								Bolt Connection & Plate Schedule										Frame Clearances	
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	Horiz. Clearance between members 1(CX024) and 4(CX025): 22'-0"	Vert. Clearance at member 1(CX024): 11'-11 1/4"
CX024	1	6.0000	.2500	.1345	10"	10"	12'-8 3/4"	204#										Vert. Clearance at member 4(CX025): 11'-11 1/4"	Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)
RBX047	2	5.0000	.1345	.1345	9"	9"	21'-11 3/4"	210#	A	4	A325	3/4"	2 1/2"	3/8"	1	1	0097284		
CX025	4	6.0000	.2500	.1345	10"	10"	13'-4 3/4"	214#											




PORTAL FRAME ELEVATION ALONG Q

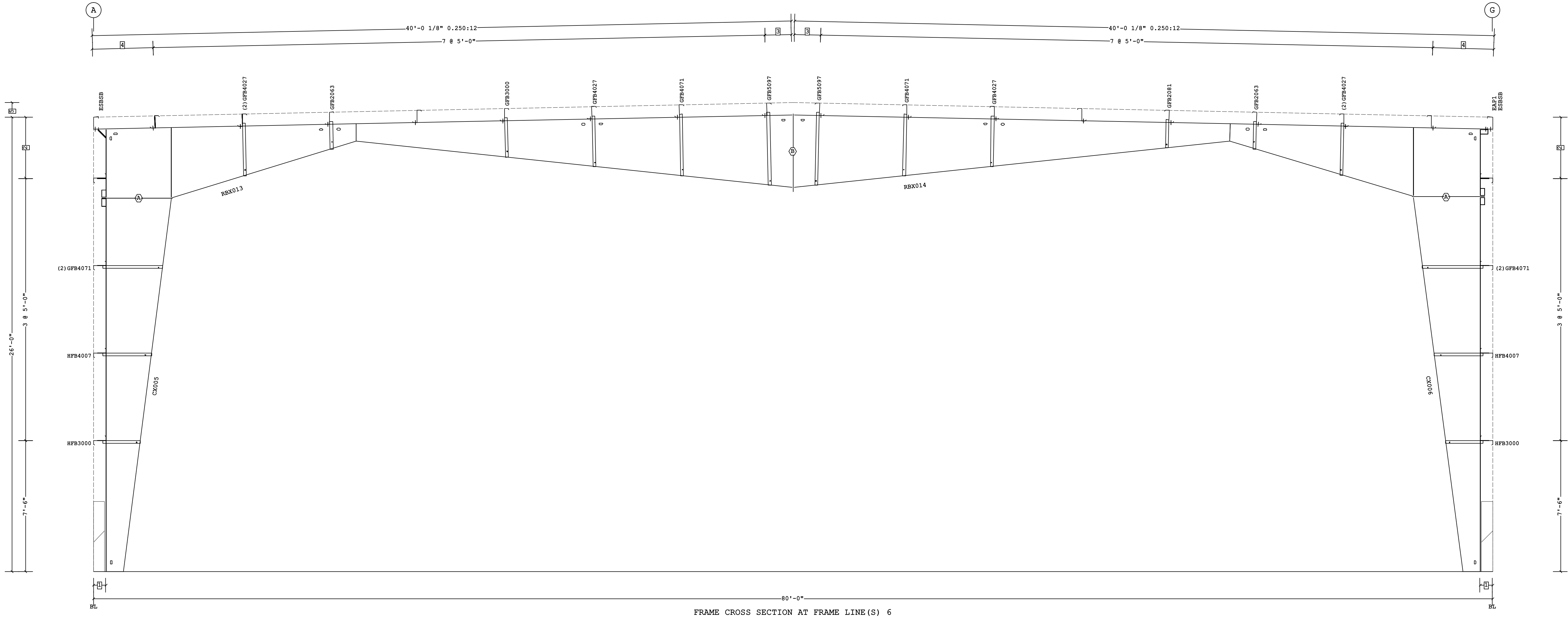
2 1'-3 1/2"
1 8"

Dimension Key

Shape Name = Offices Wall 4, Frame 1

<div>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.</div> <div>2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div>	<div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>		<div>PORTAL FRAME ELEVATION ALONG Q</div>					
			REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.		<div><div><div>VP BUILDINGS VARCO PRUDEN</div></div><div>A BlueScope Steel Company vpc VERSION: 2019.2</div></div>	JOBNO
							CUSTOMER	Muhlenberg Public Works			DATE
							LOCATION	Temple, Pennsylvania			5/1/2019
							PROJECT	Muhlenberg Twp Public Works			DRAWN/CHECK
							BUILDERS PO#				VPC ---
			NTS								PAGE
											11

Frame Member Schedule								Bolt Connection & Plate Schedule										Frame Clearances	
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Id	Qty	Grade	Bolt	Bolt	Plate	Rows	Rows	PartNo		
												Dia.	Length	Thick.	Out	In			
CX005	1	6.0000	.6250	.2500	1'-0"	3'-9"	21'-4 3/8"	1106#										Horiz. Clearance between members 1(CX005) and 6(CX006): 71'-0"	
RBX013	2	6.0000	.3750	.3125	4'-0"	1'-0"	39'-11 13/16"	2137#	A	8	A325	3/4"	2 1/2"	5/8"	3	1	0097284	Vert. Clearance at member 1(CX005): 21'-4 3/8"	
	3	6.0000	.5000	.2500	1'-0"	4'-2"			B	10	A325	3/4"	2 1/2"	5/8"	1	4	0097284	Vert. Clearance at member 6(CX006): 21'-5 3/8"	
	4	6.0000	.5000	.2500	4'-2"	1'-0"	39'-11 13/16"	2118#										Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)	
RBX014	5	6.0000	.3750	.3125	1'-0"	3'-11"													
	6	6.0000	.6250	.2500	1'-0"	3'-10"	21'-5 3/8"	1120#											



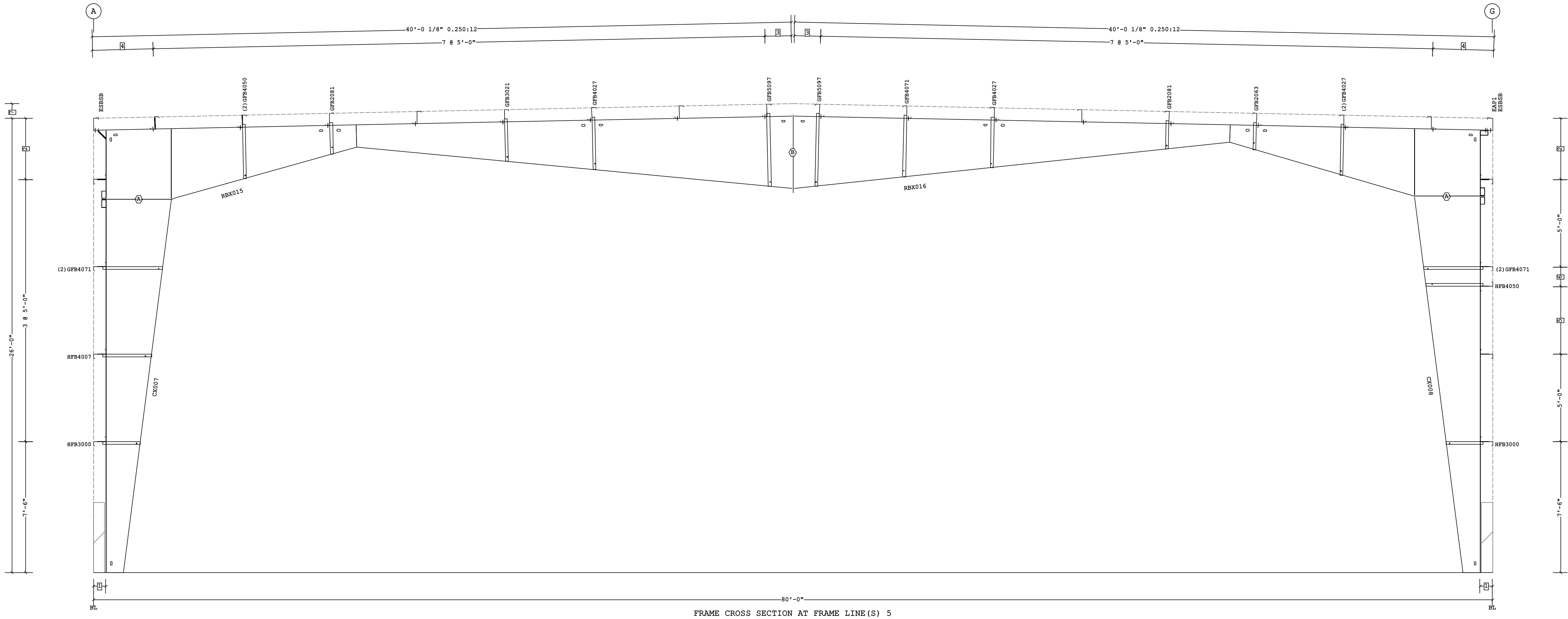
- 5 26'-10" Ridge Ht.
4 3'-5 15/16"
3 1'-6 3/16"
2 3'-6"
1 8 1/2"

Dimension Key

Shape Name = Garage-MaintBays Wall 3, Frame 5

<div>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.</div> <div>2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div> <div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	FRAME CROSS SECTION AT FRAME LINE(S) 6			
			REV	DATE	BY	DESCRIPTION
			NTS			
			BUILDER SDE Construction, Inc.			
			CUSTOMER Muhlenberg Public Works			
			LOCATION Temple, Pennsylvania			
			PROJECT Muhlenberg Twp Public Works			
BUILDERS PO#						
<div><div><div><div></div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2019.2</div></div><div><div>JOBNO</div><div>DATE 5/1/2019</div><div>DRAWN/CHECK VPC ---</div><div>PAGE 12</div></div></div>						

Frame Member Schedule								Bolt Connection & Plate Schedule										Frame Clearances	
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Id	Qty	Grade	Bolt	Bolt	Plate	Rows	Rows	PartNo		
												Dia.	Length	Thick.	Out	In			
CX007	1	6.0000	.6250	.2500	1'-0"	3'-9"	21'-4 3/8"	1106#										Horiz. Clearance between members 1(CX007) and 6(CX008): 71'-1"	
RBX015	2	6.0000	.3750	.3125	4'-0"	1'-3"	39'-11 13/16"	2185#	A	8	A325	3/4"	2 1/2"	5/8"	3	1	0097284	Vert. Clearance at member 1(CX007): 21'-4 3/8"	
	3	6.0000	.5000	.2500	1'-3"	4'-2"			B	10	A325	3/4"	2 1/2"	5/8"	1	4	0097284	Vert. Clearance at member 6(CX008): 21'-6 3/8"	
RBX016	4	6.0000	.5000	.2500	4'-2"	1'-0"	39'-11 13/16"	2103#										Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)	
	5	6.0000	.3750	.3125	1'-0"	3'-10"													
CX008	6	6.0000	.6250	.2500	1'-0"	3'-9"	21'-6 3/8"	1115#											



- 7 26'-10" Ridge Ht.
- 6 1'-1 1/2"
- 5 3'-10 1/2"
- 4 3'-5 15/16"
- 3 1'-6 3/16"
- 2 3'-6"
- 1 8 1/2"

Dimension Key

Shape Name = Garage-MaintBays Wall 3, Frame 6

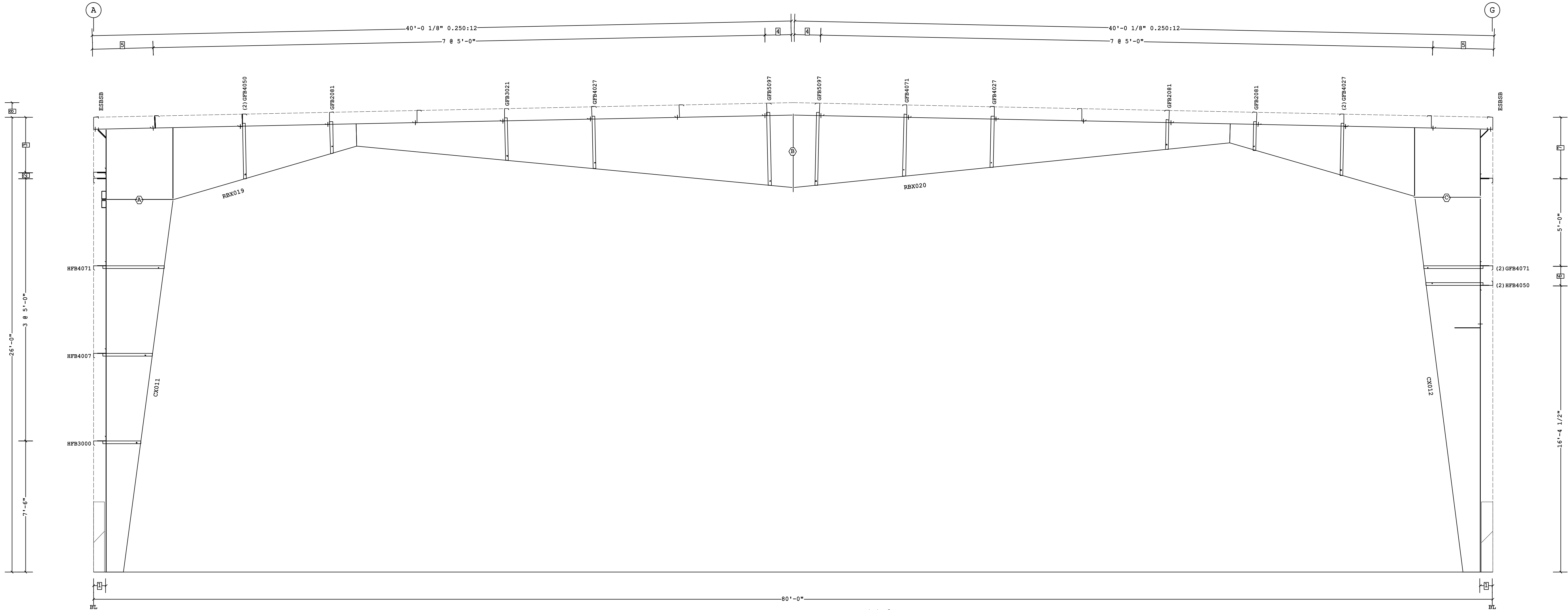
<div>1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.</div> <div>2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	FRAME CROSS SECTION AT FRAME LINE(S) 5									
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.	<div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>vpc VERSION: 2019.2</div></div> <div>a division of BlueScope Buildings North America, Inc.</div>	JOBNO		
								CUSTOMER	Muhlenberg Public Works			DATE	5/1/2019
								LOCATION	Temple, Pennsylvania			DRAWN/CHECK	VPC ---
								PROJECT	Muhlenberg Twp Public Works			PAGE	13
									BUILDERS PO#				
								NTS					

10/18/2019

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Frame Member Schedule								Bolt Connection & Plate Schedule										Frame Clearances	
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	Horiz. Clearance between members 1(CX011) and 6(CX012): 71'-0"	Vert. Clearance at member 1(CX011): 21'-3 3/8"
CX011	1	6.0000	.6250	.2500	1'-0"	3'-10"	21'-3 3/8"	1112#	A	8	A325	3/4"	2 1/2"	5/8"	3	1	0097284	Vert. Clearance at member 6(CX012): 21'-5"	Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)
RBX019	2	6.0000	.3750	.3125	4'-1"	1'-3"	39'-11 13/16"	2201#	B	10	A325	3/4"	2 1/2"	5/8"	1	4	0097284		
	3	6.0000	.5000	.2500	1'-3"	4'-2"			C	6	A325	1 1/8"	4"	1"	2	1	0097289		
RBX020	4	6.0000	.5000	.2500	4'-2"	1'-1"	39'-11 13/16"	2197#											
	5	6.0000	.3750	.3125	1'-1"	3'-11"													
CX012	6	9.0000	.5000	.2500	1'-0"	3'-9"	21'-5"	1304#											

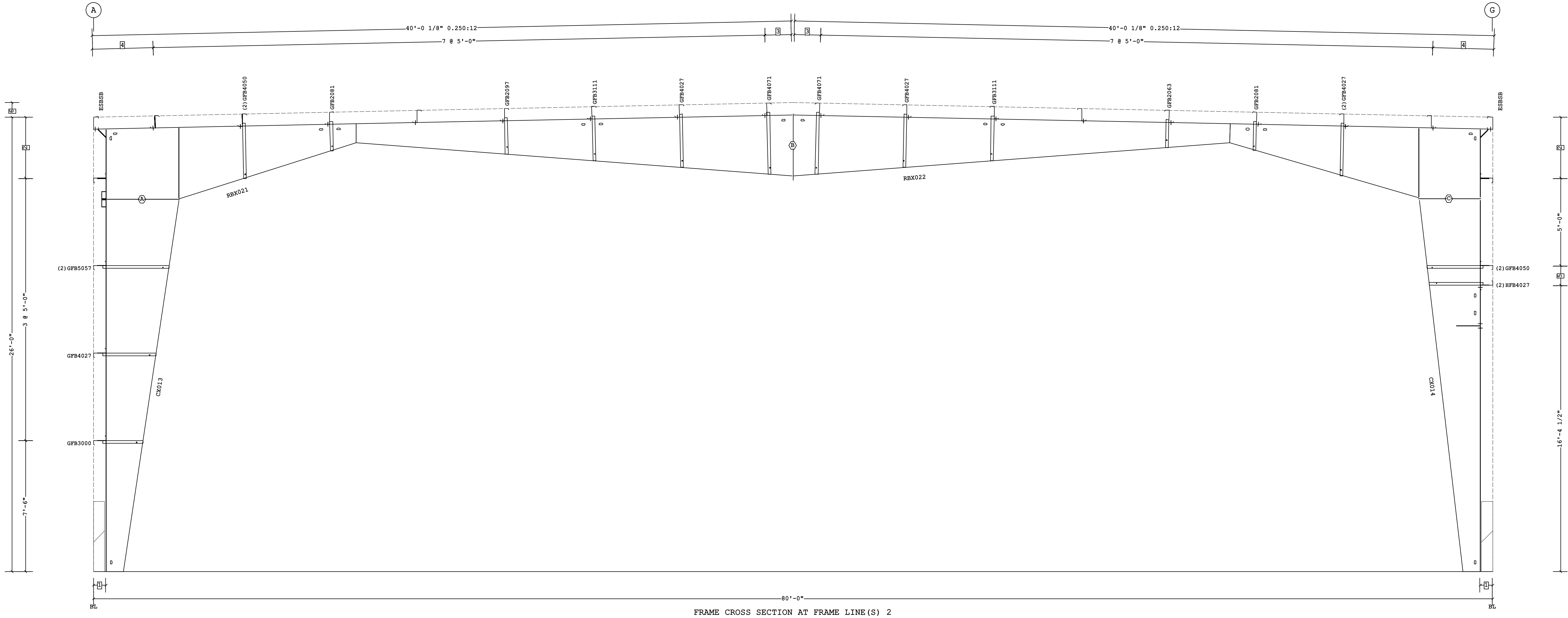


- 8 26'-10" Ridge Ht.
- 7 3'-6"
- 6 1'-1 1/2"
- 5 3'-5 15/16"
- 4 1'-6 3/16"
- 3 3'-2"
- 2 4"
- 1 8 1/2"

Dimension Key

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.	THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF VP BUILDINGS. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF VP BUILDINGS. THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE VP BUILDINGS ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.	D	VP Buildings				FRAME CROSS SECTION AT FRAME LINE(S) 3				
				3200 Players Club Circle Memphis TN 38125								
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.		 VP BUILDINGS VARCO PRUDEN A BlueScope Steel Company VPC VERSION: 2019.2	JOBNO
								CUSTOMER	Muhlenberg Public Works			DATE
								LOCATION	Temple, Pennsylvania			DRAWN/CHECK
				PROJECT	Muhlenberg Twp Public Works		VPC ---					
NOT FOR CONSTRUCTION FOR REFERENCE ONLY				NTS				BUILDERS PO#	PAGE			
									15			

Frame Member Schedule								Bolt Connection & Plate Schedule										Frame Clearances	
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	Horiz. Clearance between members 1(CX013) and 6(CX014): 70'-11"	Vert. Clearance at member 1(CX013): 21'-3 1/2"
CX013	1	6.0000	.5000	.2500	1'-0"	4'-2"	21'-3 1/2"	1038#	A	12	A325	3/4"	2 1/2"	1/2"	4	2	0097284	Vert. Clearance at member 6(CX014): 21'-3 15/16"	Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)
RBX021	2	6.0000	.3125	.3125	4'-1"	1'-1"	39'-11 7/8"	1989#	B	10	A325	3/4"	2 1/2"	5/8"	1	4	0097284		
	3	6.0000	.6250	.1875	1'-1"	3'-6"			C	6	A325	1 1/8"	4"	1"	2	1	0097289		
RBX022	4	6.0000	.6250	.1875	3'-6"	1'-1"	39'-11 7/8"	2090#											
	5	6.0000	.3750	.3125	1'-1"	4'-0"													
CX014	6	9.0000	.5000	.2500	1'-0"	3'-6"	21'-3 15/16"	1265#											



- 6 26'-10" Ridge Ht.
- 5 1'-1 1/2"
- 4 3'-5 15/16"
- 3 1'-6 3/16"
- 2 3'-6"
- 1 8 1/2"

Dimension Key

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.


**NOT FOR CONSTRUCTION
FOR REFERENCE ONLY**

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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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.

Shape Name = Garage-MaintBays Wall 3, Frame 9

D	VP Buildings 3200 Players Club Circle Memphis TN 38125			FRAME CROSS SECTION AT FRAME LINE(S) 2				
	REV	DATE	BY	DESCRIPTION	BUILDER	 A BlueScope Steel Company VPC VERSION: 2019.2		JOBNO
					CUSTOMER			DATE
					LOCATION			5/1/2019
					PROJECT			DRAWN/CHECK
NTS				BUILDERS PO#			VPC	---
							PAGE	16



VP BUILDINGS
VARCO PRUDEN

A BlueScope Steel Company
VPC VERSION: 2019.2

JOBNO

DATE
5/1/2019

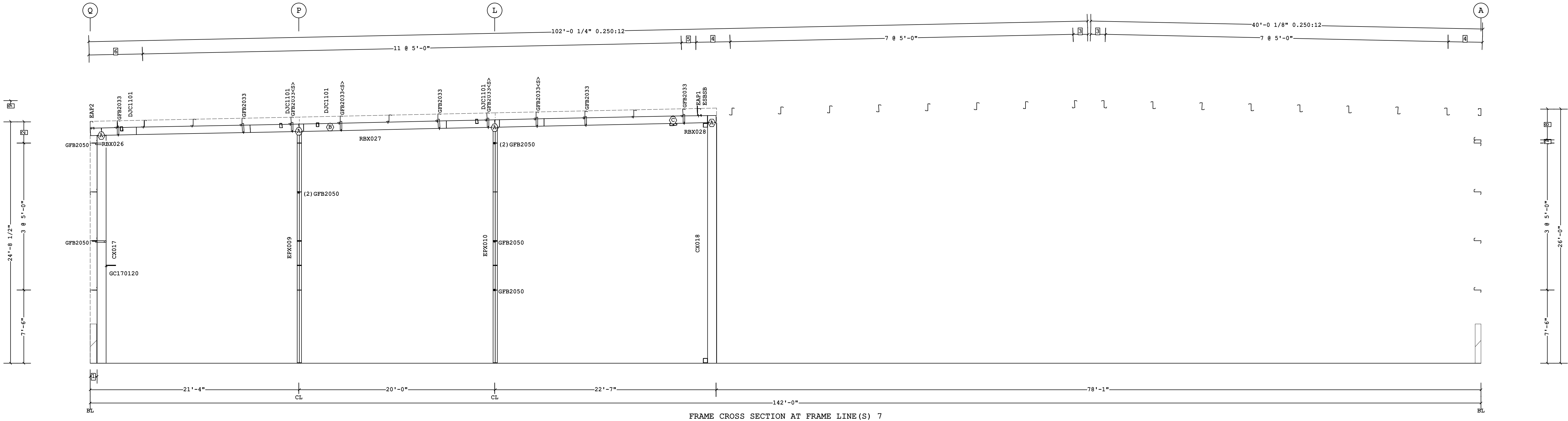
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VPC ---

PAGE
16

Frame Member Schedule									
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Detail
CX017	1	5.0000	.1345	.1345	11"	11"	23'-3 3/8"	243#	
RBX026	2	5.0000	.1875	.1345	9"	9"	24'-6"	271#	
	3	5.0000	.1875	.1345	9"	9"			
	4	5.0000	.1875	.1345	9"	9"			
	5	5.0000	.1875	.1345	9"	9"			
RBX027	6	5.0000	.1875	.1345	9"	9"	35'-0"	375#	
	7	5.0000	.1875	.1345	9"	9"			
	8	5.0000	.1875	.1345	9"	9"			
	9	5.0000	.1875	.1345	9"	9"			
RBX028	10	5.0000	.1345	.1345	9"	9"	4'-4 5/8"	47#	
CX018	11	8.0000	.2500	.1345	11"	11"	24'-7"	479#	
EPX009	12	5.0000	.3750	.1345	11"	11"	23'-8 3/8"	325#	BR25CA
EPX010	13	5.0000	.1875	.1345	11"	11"	24'-1 3/8"	177#	BR25CA

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

Frame Clearances
Vert. Clearance at member 1(CX017): 23'-3 3/8"
Vert. Clearance at member 11(CX018): 24'-6 3/4"
Vert. Clearance at member 12(EPX009): 23'-8 5/16"
Vert. Clearance at member 13(EPX010): 24'-1 5/16"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



- 9 26'-10" Ridge Ht.
- 8 3'-2"
- 7 4"
- 6 2 @ 2'-9 1/16"
- 5 1'-6 1/16"
- 4 3'-5 15/16"
- 3 1'-6 3/16"
- 2 2'-2 1/2"
- 1 8 1/2"

Dimension Key

Shape Name = Garage-MaintBays Wall 5, Frame 1

<div>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.</div> <div>2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	FRAME CROSS SECTION AT FRAME LINE(S) 7										
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.		<div><div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>vpc VERSION: 2019.2</div></div><div>a division of BlueScope Buildings North America, Inc.</div></div>	JOBNO		
								CUSTOMER	Muhlenberg Public Works				DATE	5/1/2019
								LOCATION	Temple, Pennsylvania				DRAWN/CHECK	VPC ---
								PROJECT	Muhlenberg Twp Public Works				PAGE	18
				NTS				BUILDERS PO#						
								FILENAME:	09-03-19--MPW from VP - Copy					

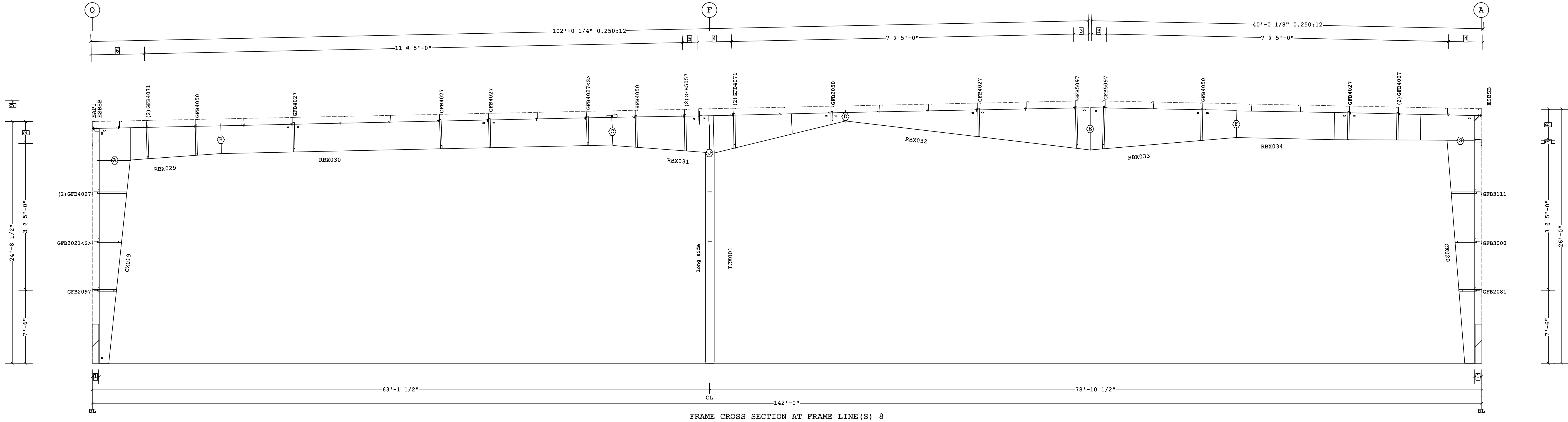
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Frame Member Schedule								
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX019	1	6.0000	.3750	.1875	1'-0"	3'-2"	20'-8 3/4"	686#
RBX029	2	5.0000	.3125	.2500	3'-4"	2'-10"	13'-1 7/16"	662#
RBX030	3	6.0000	.5000	.2500	2'-10"	2'-10"	40'-0"	2001#
RBX031	4	8.0000	.5000	.3125	2'-10"	3'-10"	23'-10 5/8"	1602#
	5	8.0000	.5000	.3125	3'-10"	10"		
RBX032	6	9.0000	.5000	.2500	10"	4'-4"	25'-0"	1548#
RBX033	7	8.0000	.7500	.2500	4'-4"	2'-9"	15'-0"	1323#
RBX034	8	8.0000	.7500	.2500	2'-9"	2'-9"	24'-11 15/16"	1608#
	9	8.0000	.5000	.2500	2'-9"	2'-7"		
CX020	10	6.0000	.3750	.1644	1'-0"	2'-10"	22'-9 3/8"	676#
ICX001	11	6.0000	.5000	.1875	10"	10"	21'-6 9/16"	604#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt	Bolt	Plate	Rows	Rows	PartNo	
			Dia.	Length	Thick.	Out	In		
A	10	A325	3/4"	2 1/2"	1/2"	4	1	0097284	
B	6	A325	3/4"	2 1/2"	3/8"	2	1	0097284	
C	10	A325	7/8"	3 1/2"	5/8"	4	1	0097380	
D	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284	
E	8	A325	1"	3 1/2"	1"	1	3	0097288	
F	10	A325	1"	3 1/2"	1"	1	4	0097288	
G	6	A325	3/4"	2 1/2"	1/2"	2	1	0097284	
J	4	A325	1/2"	2"	3/8"	1	1	0097280	
<S> - (2) Washers (095872) req'd at Flange Brace to Secondary.									

Frame Clearances
Horiz. Clearance between members 1(CX019) and 10(CX020): 134'-7"
Vert. Clearance at member 1(CX019): 20'-8 3/4"
Vert. Clearance at member 10(CX020): 22'-9 3/8"
Vert. Clearance at member 11(ICX001): 21'-5 7/8"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



- 9 26'-10" Ridge Ht.
- 8 3'-2"
- 7 4"
- 6 2 @ 2'-9 1/16"
- 5 1'-6 1/16"
- 4 3'-5 15/16"
- 3 1'-6 3/16"
- 2 2'-2 1/2"
- 1 8 1/2"

Dimension Key

Shape Name = Garage-MaintBays Wall 5, Frame 2

<div>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.</div> <div>2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	FRAME CROSS SECTION AT FRAME LINE(S) 8						
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.	<div><div><div></div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2019.2</div></div> <div>JOBNO</div> <div>DATE</div> <div>5/1/2019</div> <div>DRAWN/CHECK</div> <div>VPC ---</div> <div>PAGE</div> <div>19</div>
								CUSTOMER	Muhlenberg Public Works	
								LOCATION	Temple, Pennsylvania	
								PROJECT	Muhlenberg Twp Public Works	
				BUILDERS POW				BUILDERS POW		

10/18/2019

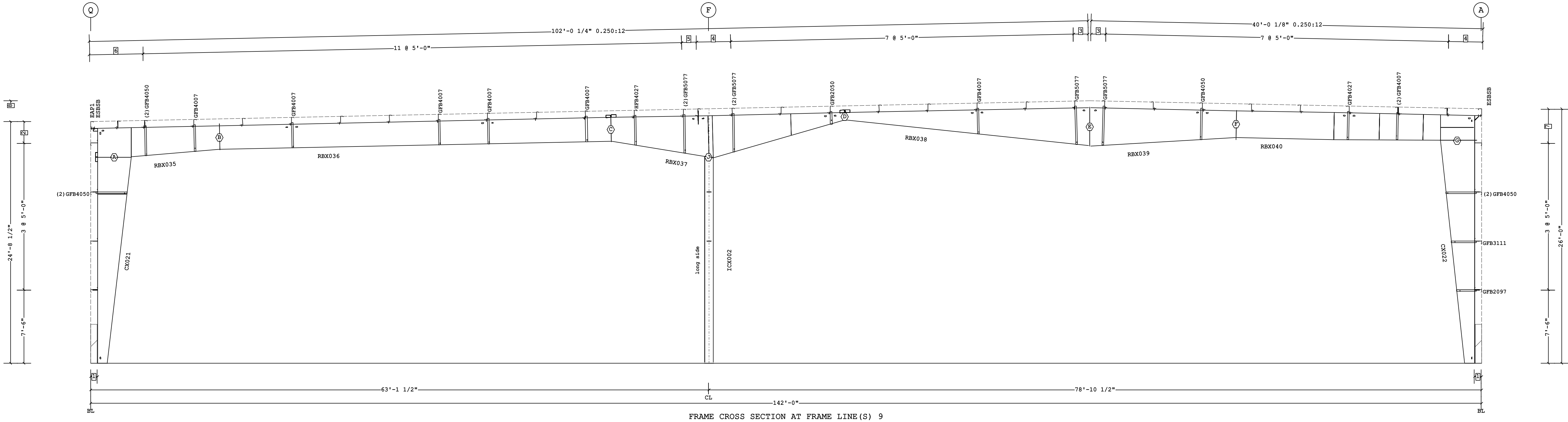
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a division of BlueScope Buildings North America, Inc.

Frame Member Schedule							
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth
CX021	1	9.0000	.3750	.1875	1'-0"	3'-5"	21'-0 13/16"
RBX035	2	5.0000	.3125	.3125	3'-0"	2'-5"	13'-1 7/16"
RBX036	3	6.0000	.5000	.2500	2'-5"	2'-5"	40'-0"
RBX037	4	6.0000	.6250	.3125	2'-5"	4'-4"	23'-10 5/8"
	5	6.0000	.6250	.3125	4'-4"	9"	1593#
RBX038	6	8.0000	.5000	.2500	9"	3'-11"	25'-0"
RBX039	7	9.0000	.5000	.2500	3'-11"	2'-9"	1377#
RBX040	8	9.0000	.5000	.2500	2'-9"	2'-9"	15'-0"
	9	9.0000	.3750	.1644	2'-9"	2'-7"	24'-11 7/8"
CX022	10	5.0000	.3750	.2500	1'-0"	3'-6"	1145#
ICX002	11	6.0000	.6250	.1644	10"	10"	1423#
							21'-1 1/2"

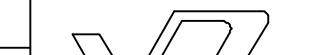
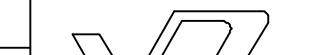
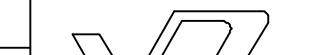
Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	8	A325	3/4"	2 1/2"	1/2"	3	1	0097284	
B	10	A325	3/4"	2 1/2"	3/8"	3	2	0097284	
C	10	A325	7/8"	3 1/2"	5/8"	4	1	0097380	
D	6	A325	7/8"	3 1/2"	5/8"	2	1	0097380	
E	6	A325	1 1/8"	4"	1"	1	2	0097289	
F	12	A325	3/4"	2 1/2"	3/4"	1	3	0097284	
G	6	A325	3/4"	2 1/2"	1/2"	2	1	0097284	
J	4	A325	1/2"	2"	3/8"	1	1	0097280	

Frame Clearances
Horiz. Clearance between members 1(CX021) and 10(CX022): 133'-8"
Vert. Clearance at member 1(CX021): 21'-0 13/16"
Vert. Clearance at member 10(CX022): 22'-9 7/16"
Vert. Clearance at member 11(ICX002): 20'-11 7/8"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



- 8 26'-10" Ridge Ht.
- 7 3'-6"
- 6 2 @ 2'-9 1/16"
- 5 1'-6 1/16"
- 4 3'-5 15/16"
- 3 1'-6 3/16"
- 2 2'-2 1/2"
- 1 8 1/2"

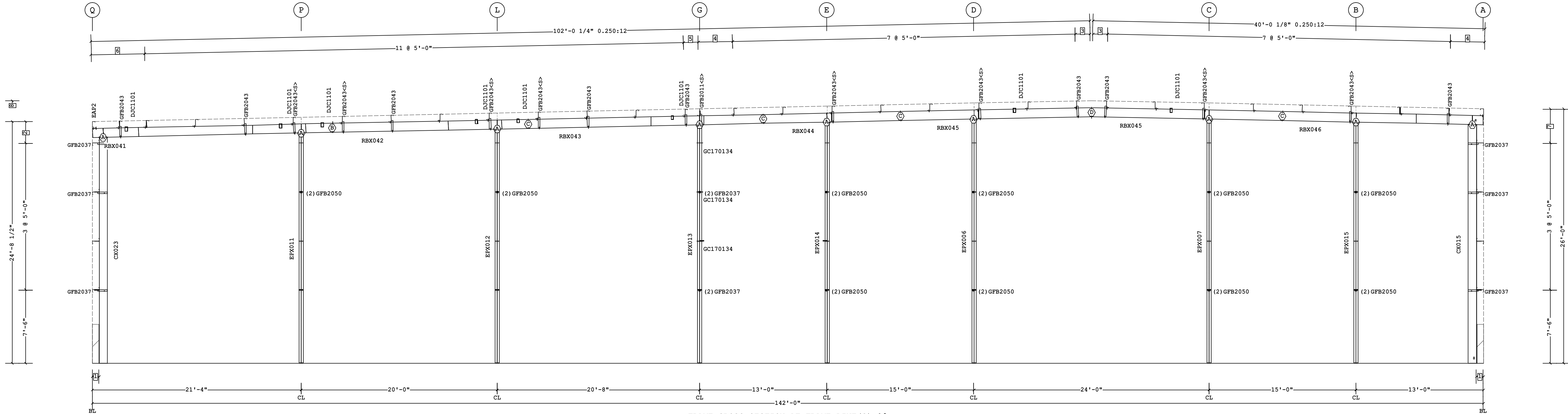
Dimension Key

<p>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.</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>		<table><tr><td rowspan="5">D</td><td colspan="4">VP Buildings</td></tr><tr><td colspan="4">3200 Players Club Circle Memphis TN 38125</td></tr><tr><td>REV</td><td>DATE</td><td>BY</td><td>DESCRIPTION</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td colspan="4">NTS</td></tr><tr><td colspan="2">10/18/2019</td><td colspan="2">15:07:22</td></tr></table>		D	VP Buildings				3200 Players Club Circle Memphis TN 38125				REV	DATE	BY	DESCRIPTION									NTS				10/18/2019		15:07:22		<table><tr><td colspan="4">FRAME CROSS SECTION AT FRAME LINE(S) 9</td></tr><tr><td>BUILDER</td><td colspan="3">SDE Construction, Inc.</td></tr><tr><td>CUSTOMER</td><td colspan="3">Muhlenberg Public Works</td></tr><tr><td>LOCATION</td><td colspan="3">Temple, Pennsylvania</td></tr><tr><td>PROJECT</td><td colspan="3">Muhlenberg Twp Public Works</td></tr><tr><td>BUILDERS PO#</td><td colspan="3"> </td></tr><tr><td>FILENAME:</td><td colspan="3">09-03-19--MPW from VP - Copy</td></tr></table>		FRAME CROSS SECTION AT FRAME LINE(S) 9				BUILDER	SDE Construction, Inc.			CUSTOMER	Muhlenberg Public Works			LOCATION	Temple, Pennsylvania			PROJECT	Muhlenberg Twp Public Works			BUILDERS PO#				FILENAME:	09-03-19--MPW from VP - Copy			<table><tr><td rowspan="4"><p>VP BUILDINGS VARGO PRUDEN</p><p>A BlueScope Steel Company VPC VERSION: 2019.2</p></td><td>JOB NO</td></tr><tr><td>DATE</td></tr><tr><td>DRAWN/CHECK</td></tr><tr><td>PAGE</td></tr><tr><td colspan="2">a division of BlueScope Buildings North America, Inc.</td></tr></table>		 <p>VP BUILDINGS VARGO PRUDEN</p> <p>A BlueScope Steel Company VPC VERSION: 2019.2</p>	JOB NO	DATE	DRAWN/CHECK	PAGE	a division of BlueScope Buildings North America, Inc.	
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Frame Member Schedule							
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth
CX023	1	5.0000	.1345	.1345	10"	10"	23'-1 3/8"
RBX041	2	5.0000	.1875	.1345	11"	11"	24'-6"
	3	5.0000	.1875	.1345	11"	11"	
	4	5.0000	.1875	.1345	11"	11"	
	5	5.0000	.1875	.1345	11"	11"	
	6	5.0000	.1875	.1345	11"	11"	20'-0"
RBX042	7	5.0000	.1875	.1345	11"	11"	
	8	5.0000	.1875	.1345	11"	11"	
	9	5.0000	.1875	.1345	11"	11"	23'-11 15/16"
RBX043	10	5.0000	.1875	.1345	11"	11"	
	11	5.0000	.1875	.1345	11"	11"	
	12	5.0000	.1345	.1345	11"	11"	14'-0 1/16"
RBX044	13	5.0000	.1345	.1345	11"	11"	
	14	5.0000	.1875	.1345	11"	11"	19'-6 1/16"
	15	5.0000	.1875	.1345	11"	11"	
RBX045	16	5.0000	.1875	.1345	11"	11"	19'-6 1/16"
	17	5.0000	.1875	.1345	11"	11"	
	18	5.0000	.1345	.1345	11"	11"	20'-5 13/16"
RBX046	19	5.0000	.1345	.1345	11"	11"	
	20	5.0000	.1345	.1345	11"	11"	
	21	5.0000	.1345	.1345	10"	10"	24'-4 7/8"
CX015	21	5.0000	.1345	.1345	10"	10"	241#
EPX011	22	5.0000	.3750	.1345	11"	11"	23'-6 3/8"
EPX012	23	5.0000	.3750	.1345	11"	11"	23'-11 3/8"
EPX013	24	5.0000	.1875	.1345	10"	10"	24'-4 9/16"
EPX014	25	5.0000	.1345	.1345	11"	11"	24'-7 13/16"
EPX006	26	5.0000	.1875	.1345	11"	11"	24'-11 9/16"
EPX007	27	5.0000	.1875	.1345	11"	11"	24'-11 9/16"
EPX015	28	5.0000	.1345	.1345	1'-0"	1'-0"	24'-7 13/16"

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

Frame Clearances	
Horiz. Clearance between members 1(CX023) and 21(CX015):	138'-11"
Vert. Clearance at member 1(CX023):	23'-1 3/8"
Vert. Clearance at member 21(CX015):	24'-4 7/8"
Vert. Clearance at member 22(EPX011):	23'-6 5/16"
Vert. Clearance at member 23(EPX012):	23'-11 5/16"
Vert. Clearance at member 24(EPX013):	24'-4 1/2"
Vert. Clearance at member 25(EPX014):	24'-7 3/4"
Vert. Clearance at member 26(EPX006):	24'-11 1/2"
Vert. Clearance at member 27(EPX007):	24'-11 1/2"
Vert. Clearance at member 28(EPX015):	24'-7 3/4"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)	



FRAME CROSS SECTION AT FRAME LINE(S) 10

- 8 26'-10" Ridge Ht.
- 7 3'-6"
- 6 2 @ 2'-9 1/16"
- 5 1'-6 1/16"
- 4 3'-5 15/16"
- 3 1'-6 3/16"
- 2 2'-2 1/2"
- 1 8 1/2"

Dimension Key

NOT FOR CONSTRUCTION
FOR REFERENCE ONLY

Shape Name = Garage-MaintBays Wall 5, Frame 4				VP Buildings				FRAME CROSS SECTION AT FRAME LINE(S) 10			
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. NOT FOR CONSTRUCTION FOR REFERENCE ONLY				3200 Players Club Circle Memphis TN 38125				SDE Construction, Inc. Muhlenberg Public Works Temple, Pennsylvania Muhlenberg Twp Public Works			
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10/18/2019				15:07:23				FILENAME: 09-03-19--MPW from VP - Copy			

COLUMN OR BEAM WEB

ROD

HEX NUT

WASHER "A"

WASHER "B"

HILLSIDE WASHER

WEB REINFORCEMENT PLATE
(IF PRESENT) MAY BE SHOP WELDED ON EITHER SIDE OF THE WEB.

DESCRIPTION/PART NO				
ROD DIA.	NUT	HARD STEEL ROUND WASHER A	HARD STEEL WASHER B	HILLSIDE WASHER
3/8"	95321	3/8" FLAT WASHER (96408)	1/2" BEVEL SQUARE WASHER (46040)	
1/2"	95230	1/2" FLAT WASHER (95872)	3/4" FLAT ROUND WASHER (95946)	543334
5/8"	95233	5/8" FLAT WASHER (95945)		
3/4"	95235	3/4" FLAT WASHER (95946)	1" FLAT ROUND WASHER (95948)	543335
7/8"	95237	7/8" FLAT WASHER (95947)		
1"	95238	1" FLAT WASHER (95948)		
1 1/8"	95239	1 1/8" FLAT WASHER (95949)	1 1/8" FLAT ROUND WASHER (95949)	543336

REV. DATE:06/02/17

REV. NO. 04

ROD BRACE
WEB SLOT ASSEMBLY

BR01G2

ROD DIA.	CLEVIS MARK NO.	CLEVIS PIN DIA.
3/8"	097572	
1/2"	097573	
5/8"	095277	
3/4"	095278	
7/8"	095279	
1"	095280	
1 1/8"	095281	
1 1/4"	095282	
1 3/8"	097593	
1 1/2"	097594	

CLEVIS

BRACE ROD

COTTER PIN

CLEVIS PIN (WITH SHOULDER)

MAY BE FURNISHED WITHOUT A SHOULDER, THEN TWO COTTER PIN WILL BE PROVIDED.

REV. DATE:06/23/11

REV. NO. 03

ROD BRACING
CLEVIS ASSEMBLY

BR02K1

BRACE LOCATION

FRAME

BRACE LOCATION

ROOF SECONDARY MEMBER

FLANGE BRACE (GFB-) OR (HFB-)

FLANGE BRACE WILL TYPICALLY CONNECT TO THE WEB OF THE FRAME MEMBER.

CLIP REQ'D W/ THICK FLANGES

ALTERNATE CONNECTIONS

FIELD NOTE
THE BUILDER WILL HAVE TO FIELD REAM-OUT THE 9/16" DIAM. HOLE IN THE SECONDARY MEMBERS TO 13/16" DIAM. HOLES (FOR THE 12M0B - FLANGE BRACE WITH A 3/4" X 2 1/2" A325 BOLT WHEN REQUIRED.)

FLANGE BRACE REQUIREMENTS:

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

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

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

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

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

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

REV. DATE:05/06/18

REV. NO. 02

TYPICAL FLANGE BRACE CONNECTIONS
CONT. PURLIN LAP SHOWN, CONT. GIRT & SIMPLE PURLIN

BR06AE

PORTAL FRAME

PRIMARY FRAME

(2 OR 4) A325 BOLTS

1/2" x 1 1/2" A-325 BOLT (49080) TYP.

FLANGE BRACE REQUIREMENTS:

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

NOTES:

① FIELD DRILL 9/16" HOLES IN PRIMARY AND PORTAL FRAME WEBS FOR FLANGE BRACE CONNECTIONS.

② DRILL 9/16" HOLE IN PORTAL FRAME COLUMN WEB APPROX. 2" FROM BOLTING PLATE @ BEAM C.

REV. DATE:03/17/16

REV. NO. 03

PORTAL FRAME DETAIL
CONNECTION TO FRAME

BR12J1

COLUMN

BRACE ROD

CLEVIS PIN W/ COTTER PIN (SEE ERECTION DWGS)

STRUT CONNECTION BOLTS
SEE DRAWINGS FOR SIZES AND QUANTITIES

BRACE STRUT (GAGE) _BSB_

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:06/23/11

REV. NO. 01

STRUT BRACING
GAGE STRUT ON WALL

BR15J1

BRACE ROD

CLEVIS PIN W/ COTTER PIN (SEE ERECTION DWGS)

BRACE STRUT

COLUMN

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:06/23/11

REV. NO. 01

WALL STRUT BRACING
THREE-PLATE STRUT IN WALL

BR15JC

STRUT CONN. BOLTS
SEE DRAWINGS FOR SIZES AND QUANTITIES

CLEVIS PIN W/ COTTER PIN (SEE ERECTION DWGS)

BRACE ROD

RAFTER

BRACE STRUT (GAGE) _BSA_

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:06/23/11

REV. NO. 01

STRUT BRACING
GAGE STRUT IN ROOF

BR15L1

PURLIN

FLANGE BRACE (GFB- OR HFB-)

ENDPOST

RAKE BEAM

NOTE: ALL BOLTS TO BE 1/2" X 1 1/2" A325 BOLTS (49080) (U.N.O.)

1/2" X 1 1/2" A325 BOLTS (49080) WITH HARDENED WASHER (095872) EACH SIDE (TYP AT PURLIN END OF BRACE)

REV. DATE:06/24/11

REV. NO. 01

ENDPOST TOP BRACING
ENDPOST WITHIN 6" (152mm) OF PURLIN

BR25A3

PURLIN

FLANGE BRACE (GFB- OR HFB-)

ENDPOST

RAKE BEAM

NOTE: ALL BOLTS TO BE 1/2" X 1 1/2" A325 BOLTS (49080) (U.N.O.)

1/2" X 1 1/2" A325 BOLTS (49080) WITH HARDENED WASHER (095872) EACH SIDE (TYP AT PURLIN END OF BRACE)

REV. DATE:11/16/15

REV. NO. 03

ENDPOST TOP BETWEEN PURLINS
NO CAP CHANNEL - BRACED TO PURLINS ONLY

BR25CA

F = FEET
I = INCHES
E = EIGHTHS

G = GAGE
O = OPERATION
C = FIN/COLOR

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

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

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

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

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

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

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

REV. DATE:06/29/12

REV. NO. 01

MARK NUMBER KEY
COMMON GENERATED MARK NUMBERS

EN50B1

BASIC ERECTION GUIDE REQUIRED FOR THIS PROJECT:

REFER TO:

VARCO PRUDEN BUILDINGS

BASIC ERECTION GUIDE

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

BACK COVER: 4001 BASIC ERECTION GUIDE

REV. DATE:01/30/14

REV. NO. 00

BASIC ERECTION GUIDE - STRUCTURAL

ENV002

GAGE POST

8 1/2" POST SHOWN
10" POST SIMILAR

GPBC

*8 1/2" POST REQUIRES (2) ANCHOR RODS
10" POST REQUIRED (4) ANCHOR RODS

*3/4" DIA. ANCHOR RODS
3/4" FLAT WASHERS

ANCHOR RODS, NUTS AND WASHERS ARE BY BUILDER

2 1/2"

2 1/2"

6 POST

SEE FRAME CROSS SECTION

SEE ANCHOR ROD PLAN

REV. DATE:11/17/17

REV. NO. 02

GAGE POST BASE CONNECTION
FACTORY ATTACHED BASE CLIP

PF13D2

ROOF BEAM

EXTERIOR COLUMN

INTERIOR COLUMN

BASE PLATE

FINISHED FLOOR ELEVATION 100'-0" (TYPICAL UNLESS NOTED OTHERWISE)

COLUMN BASE PLATE

NOTE: BASE OF COLUMN MAY NOT BE AT FINISHED FLOOR

HORIZONTAL CLEARANCE

VERTICAL CLEARANCE

HORIZONTAL SPLICE

VERTICAL SPLICE

INTERIOR COLUMN SPLICE

REV. DATE:08/12/16

REV. NO. 00

CLEAR HEIGHT DIMENSION WORK POINTS
AS SHOWN ON FRAME CROSS SECTION DRAWINGS

PFR007

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.

**NOT FOR CONSTRUCTION
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D	VP Buildings 3200 Players Club Circle Memphis TN 38125				PRIMARY BRACING SED'S				
	REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.			
					CUSTOMER	Muhlenberg Public Works			
					LOCATION	Temple, Pennsylvania			
					PROJECT	Muhlenberg Twp Public Works			
NTS					BUILDERS FOR	A BlueScope Steel Company vpc VERSION: 2019.2			
10/18/2019 SEDSheet 15:07:24					FILENAME: 09-03-19--MPW from VP - Copy				

VP BUILDINGS
VARCO PRUDEN

A BlueScope Steel Company
vpc VERSION: 2019.2

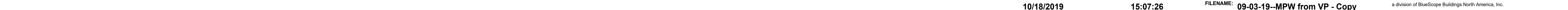
a division of BlueScope Buildings North America, Inc.

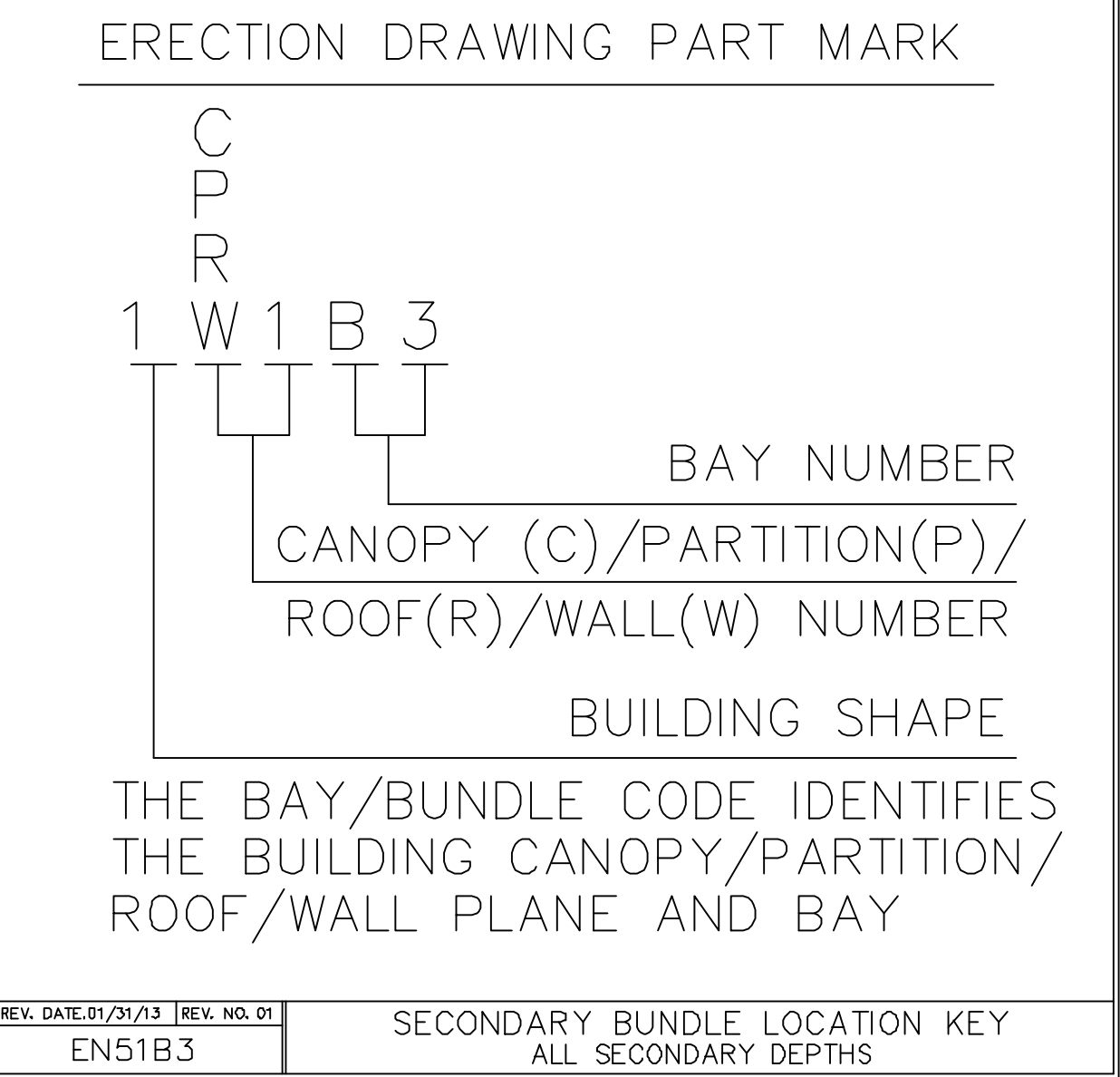
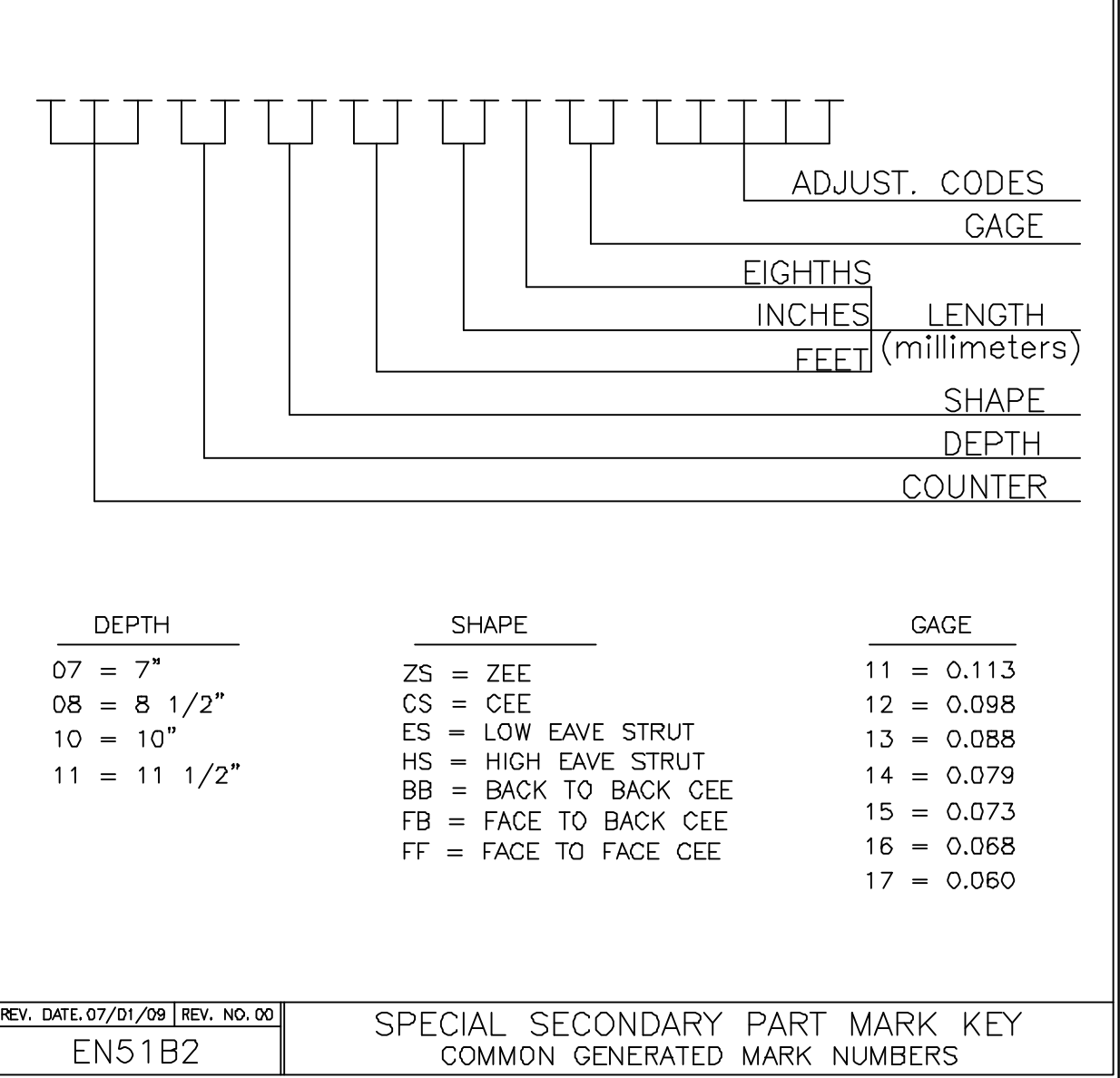
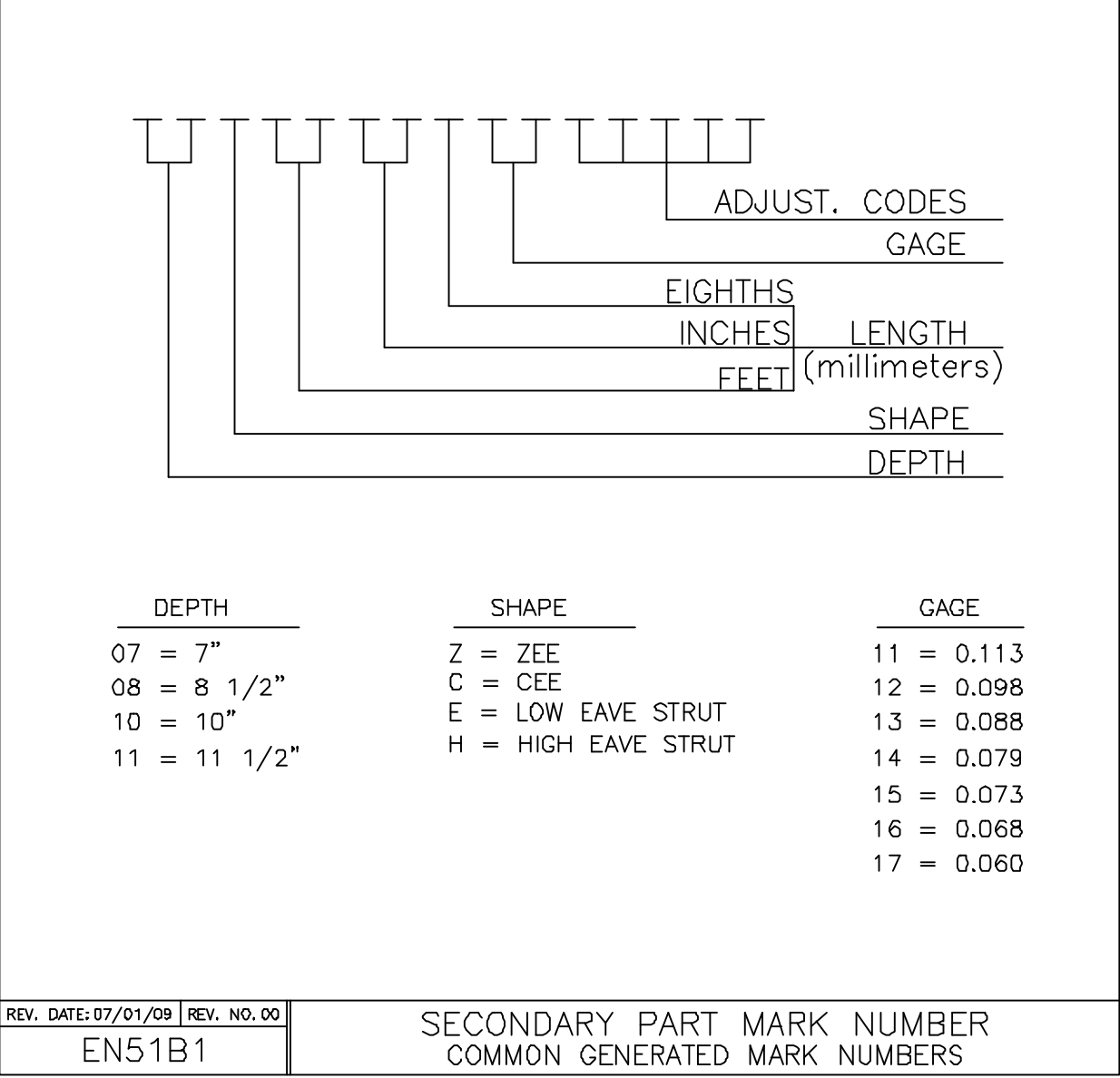
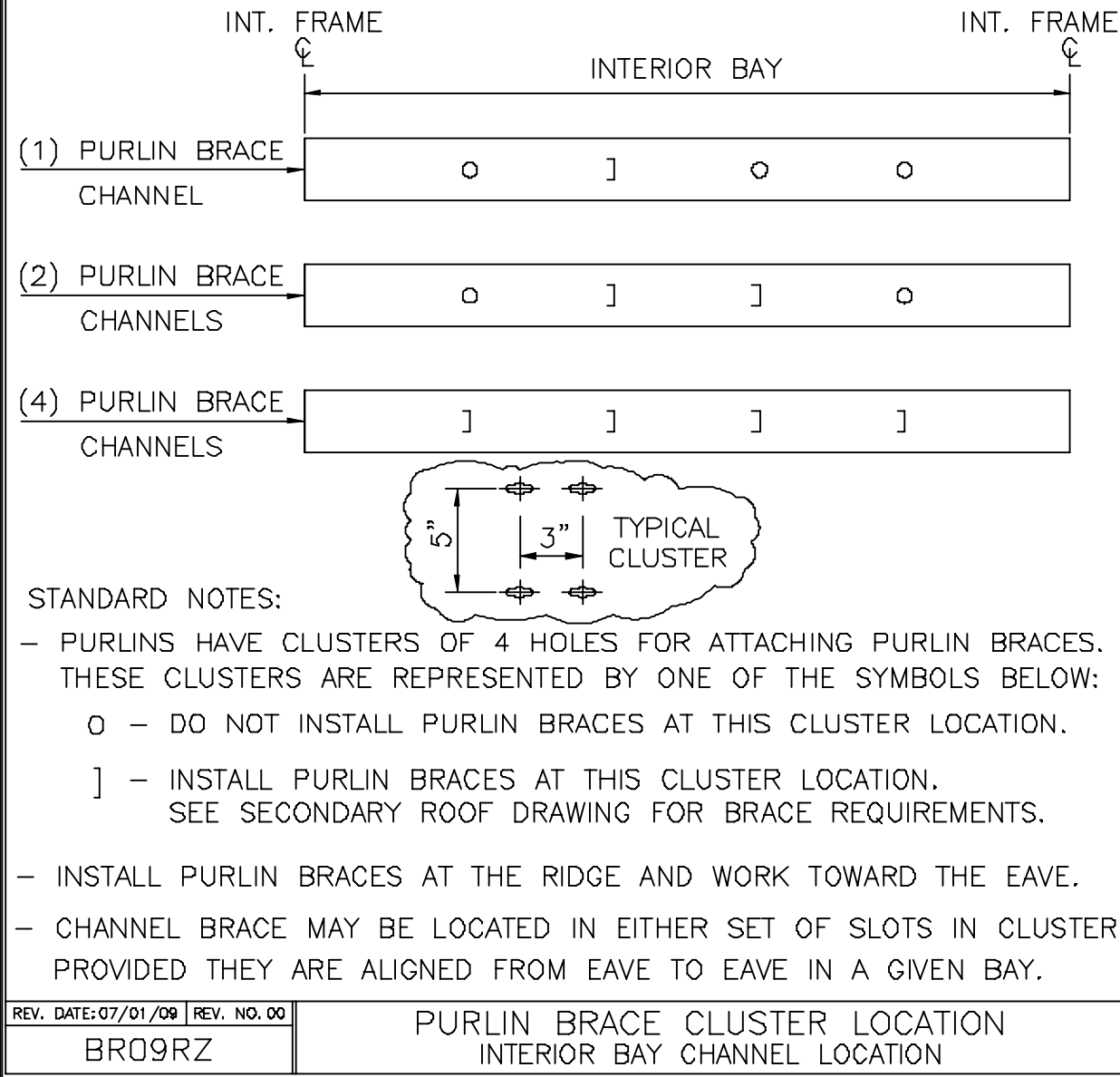
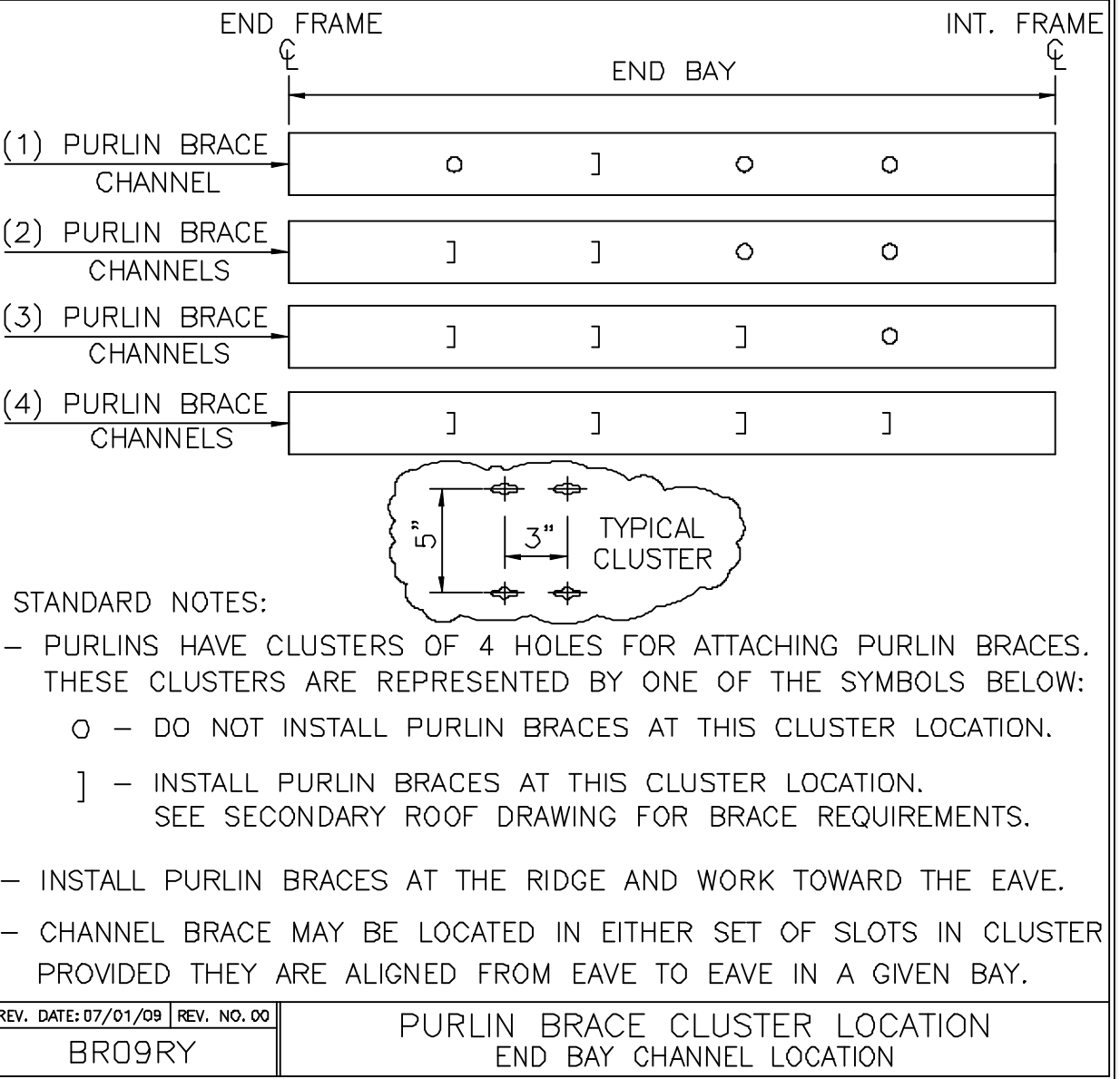
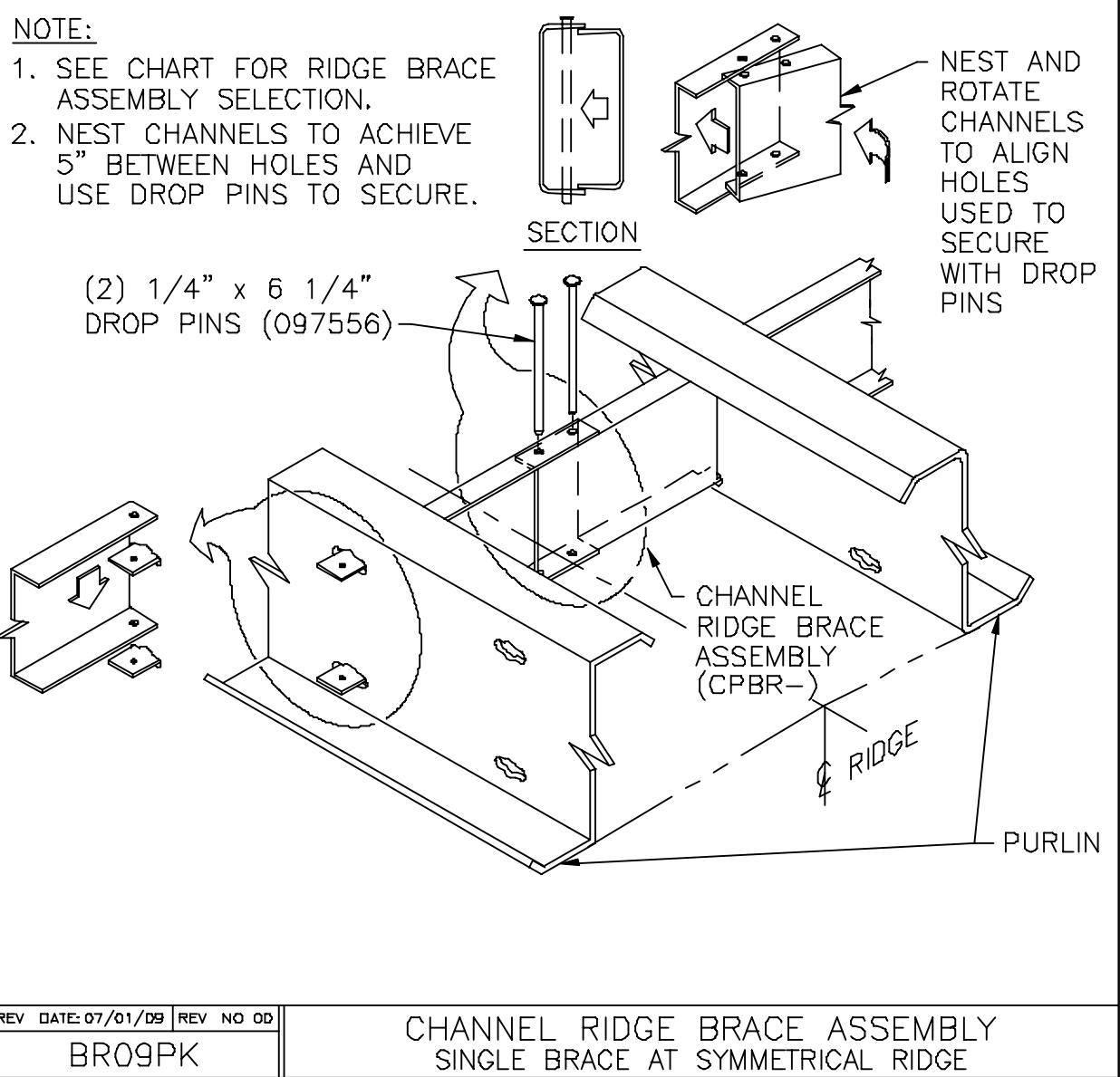
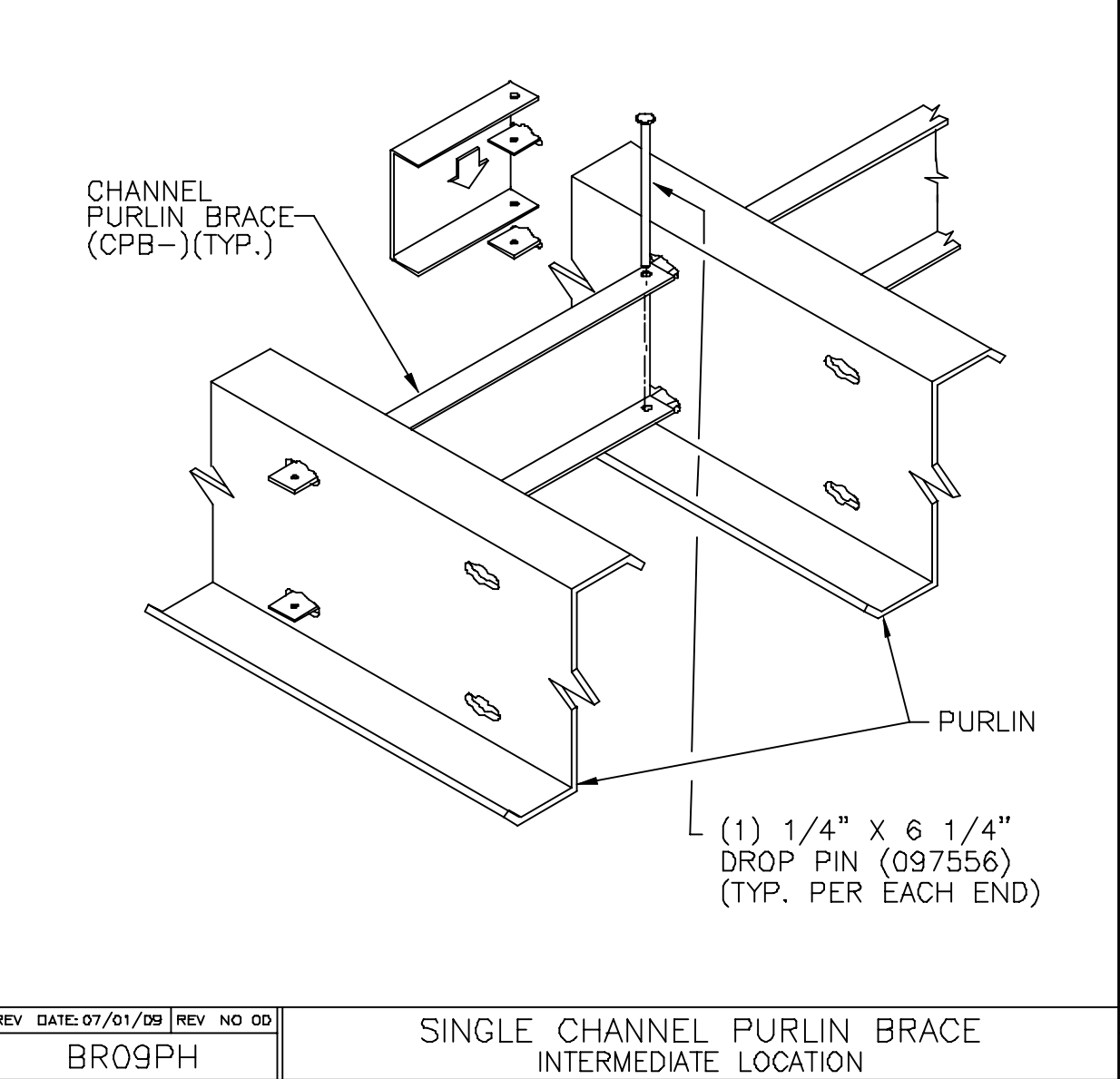
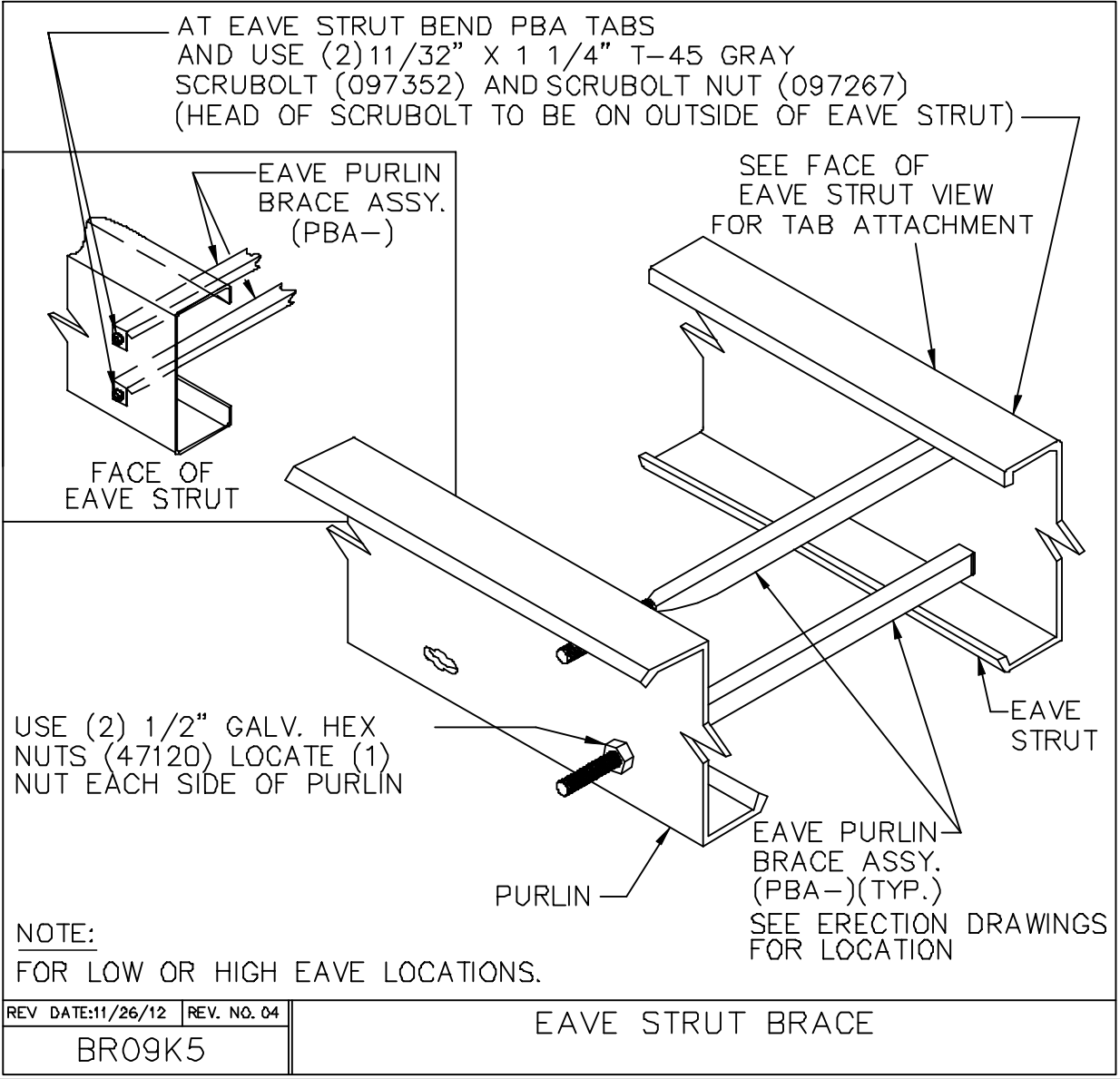
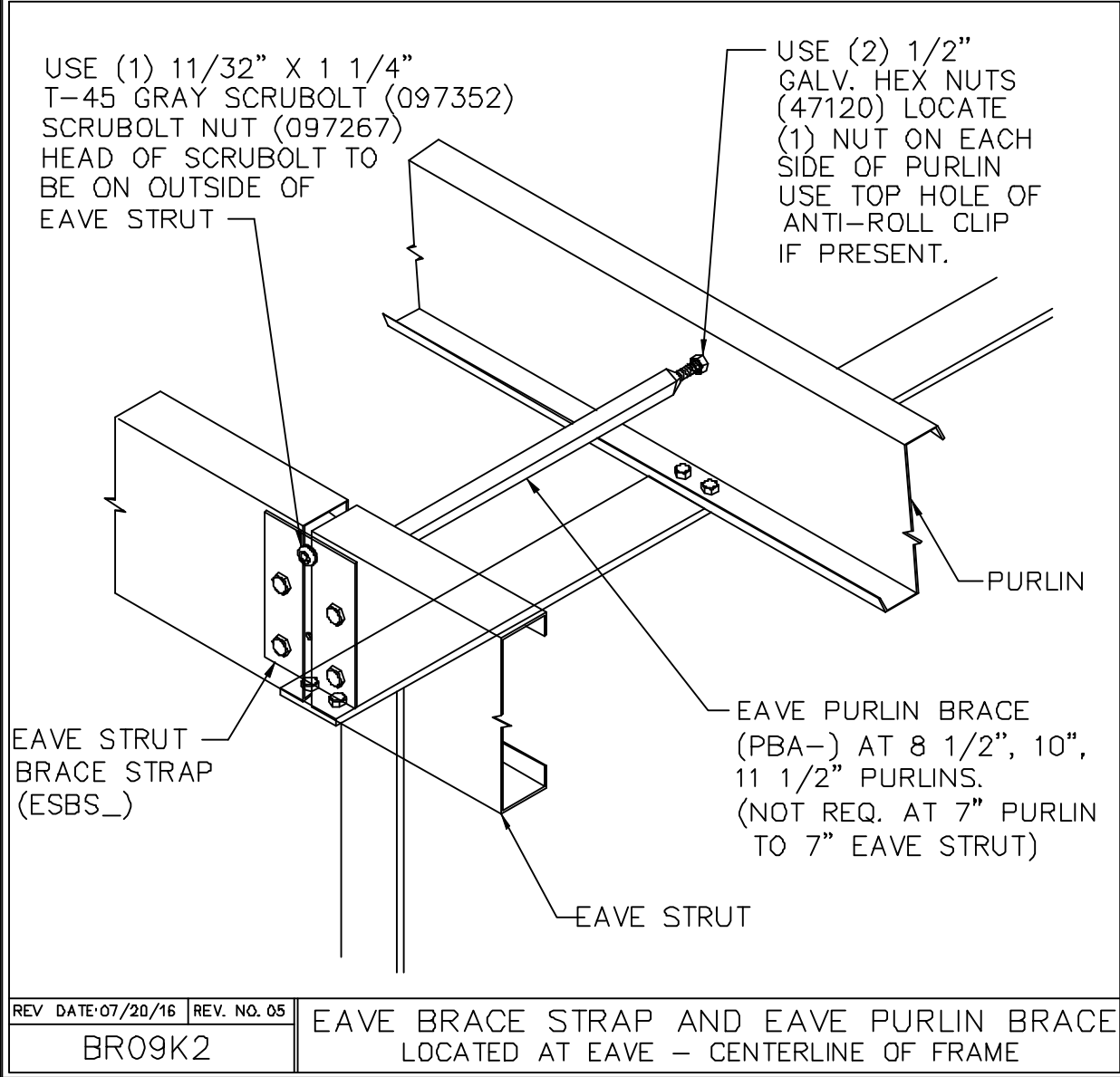
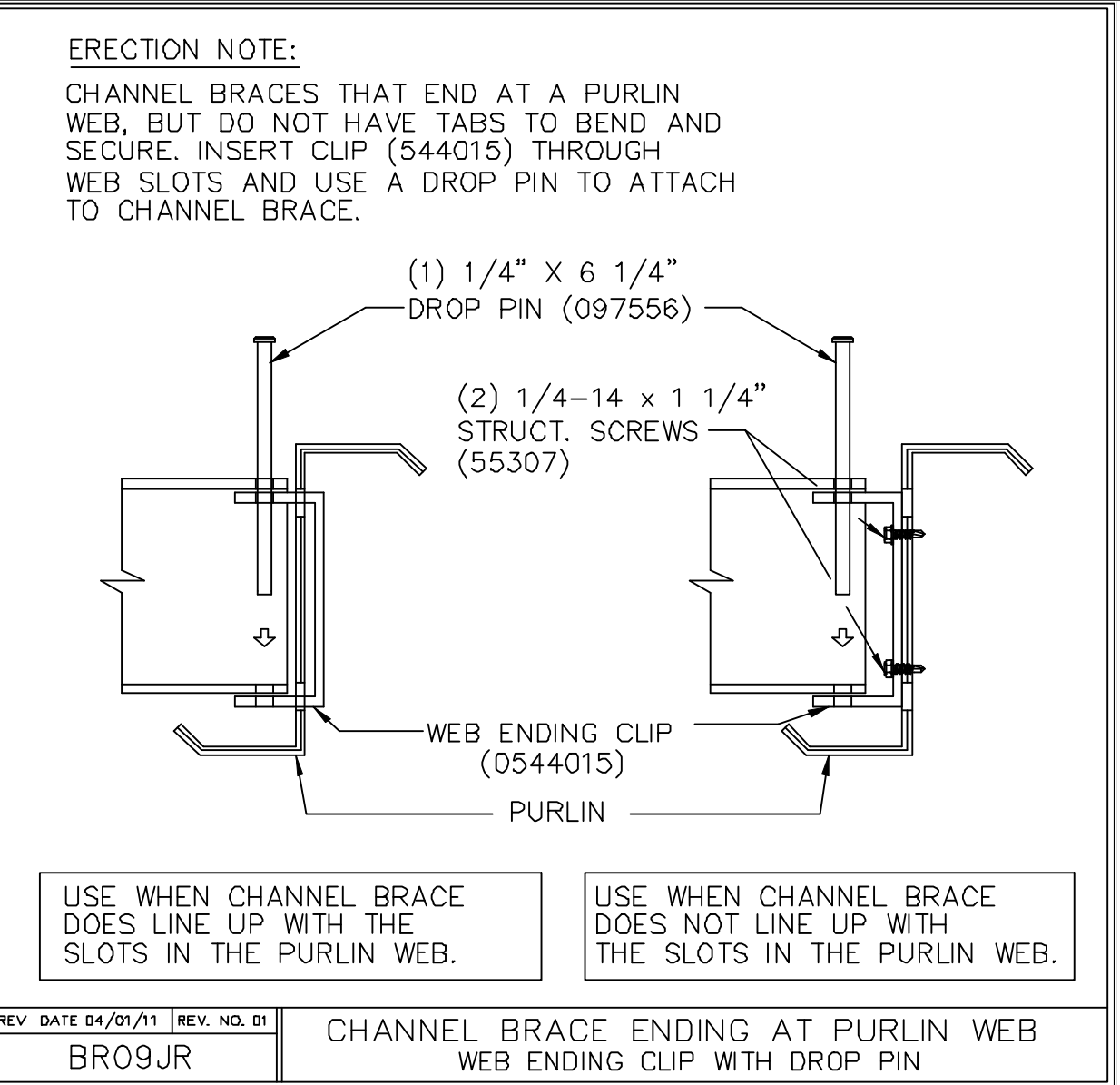
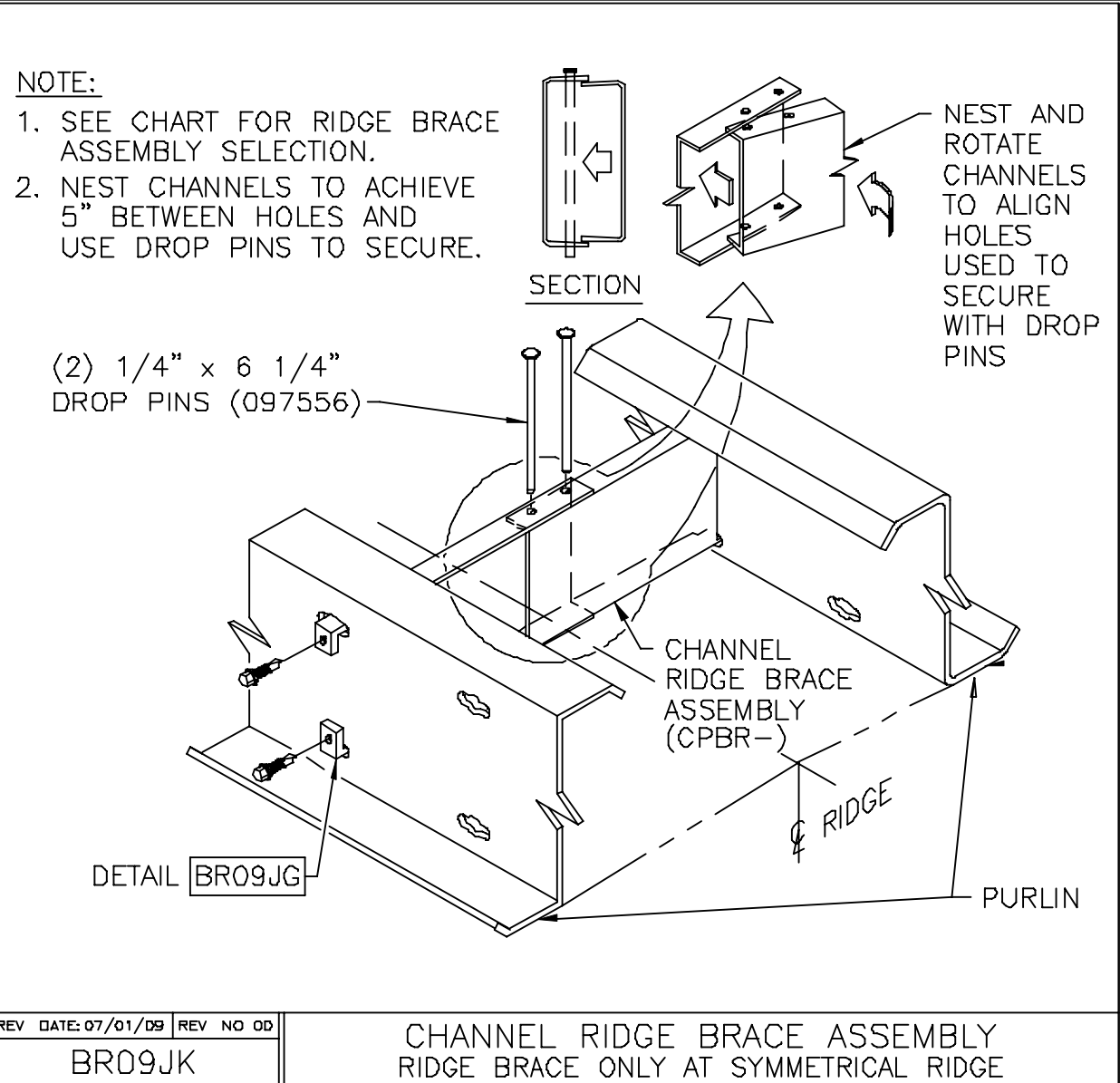
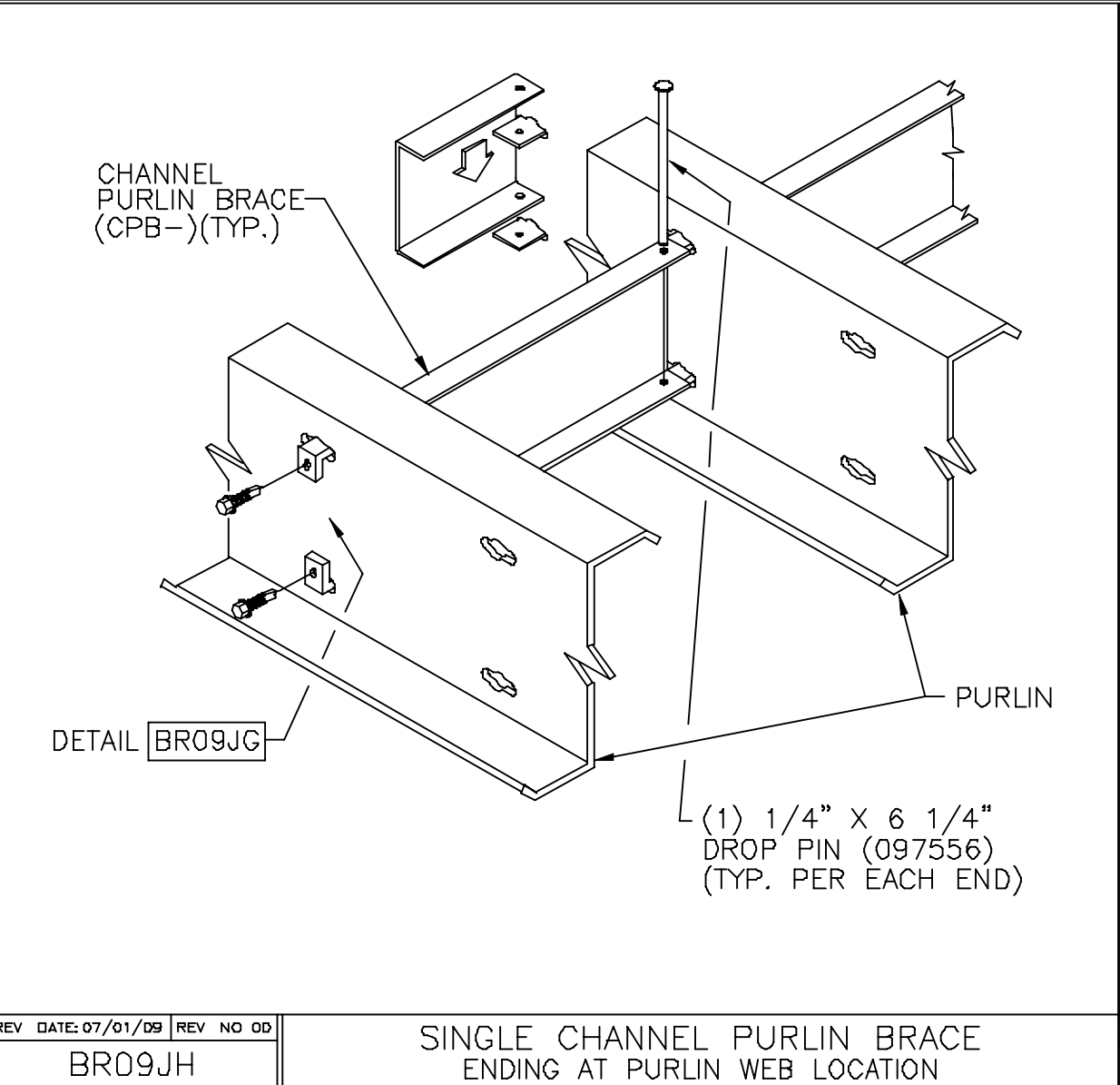
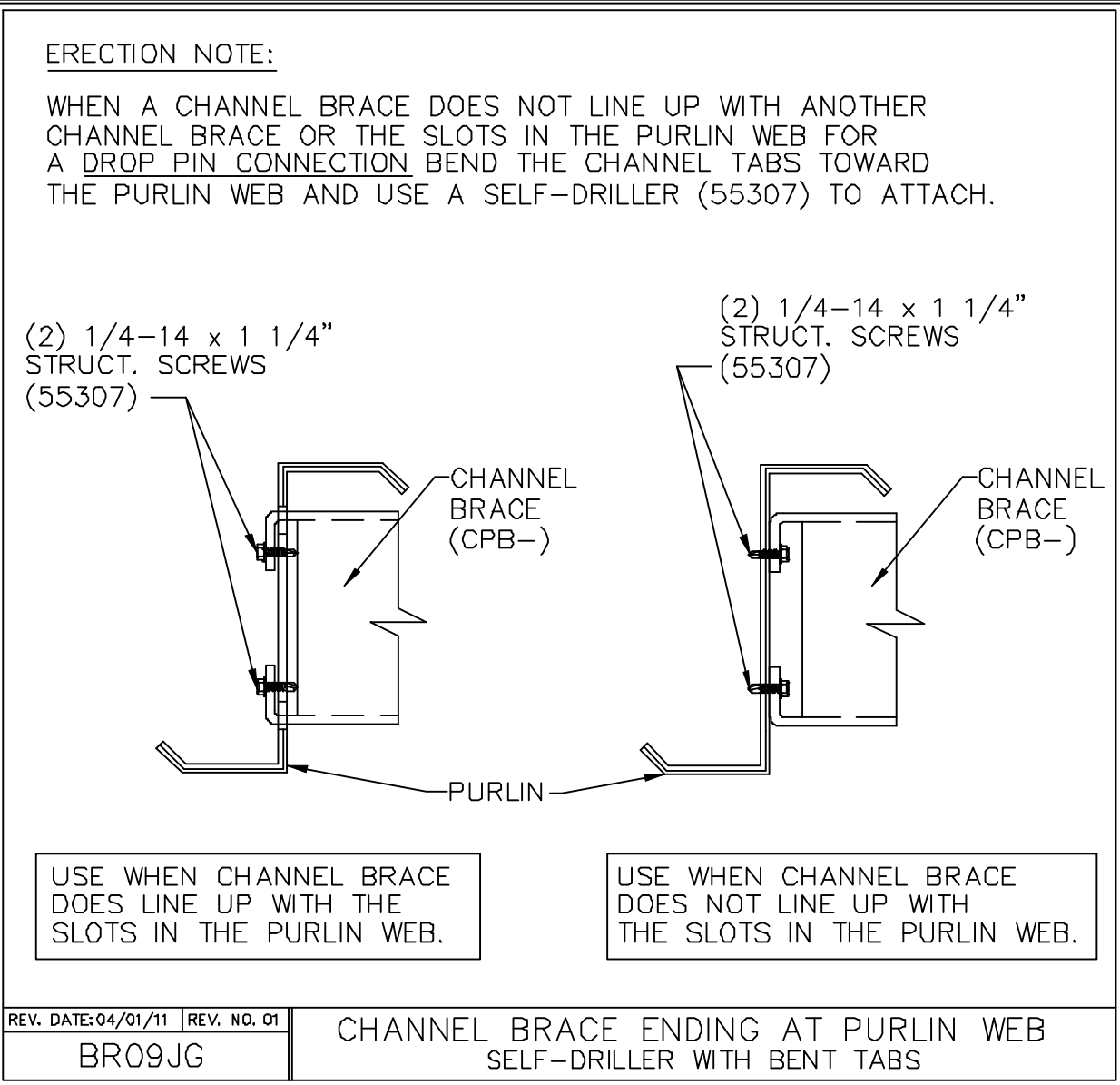
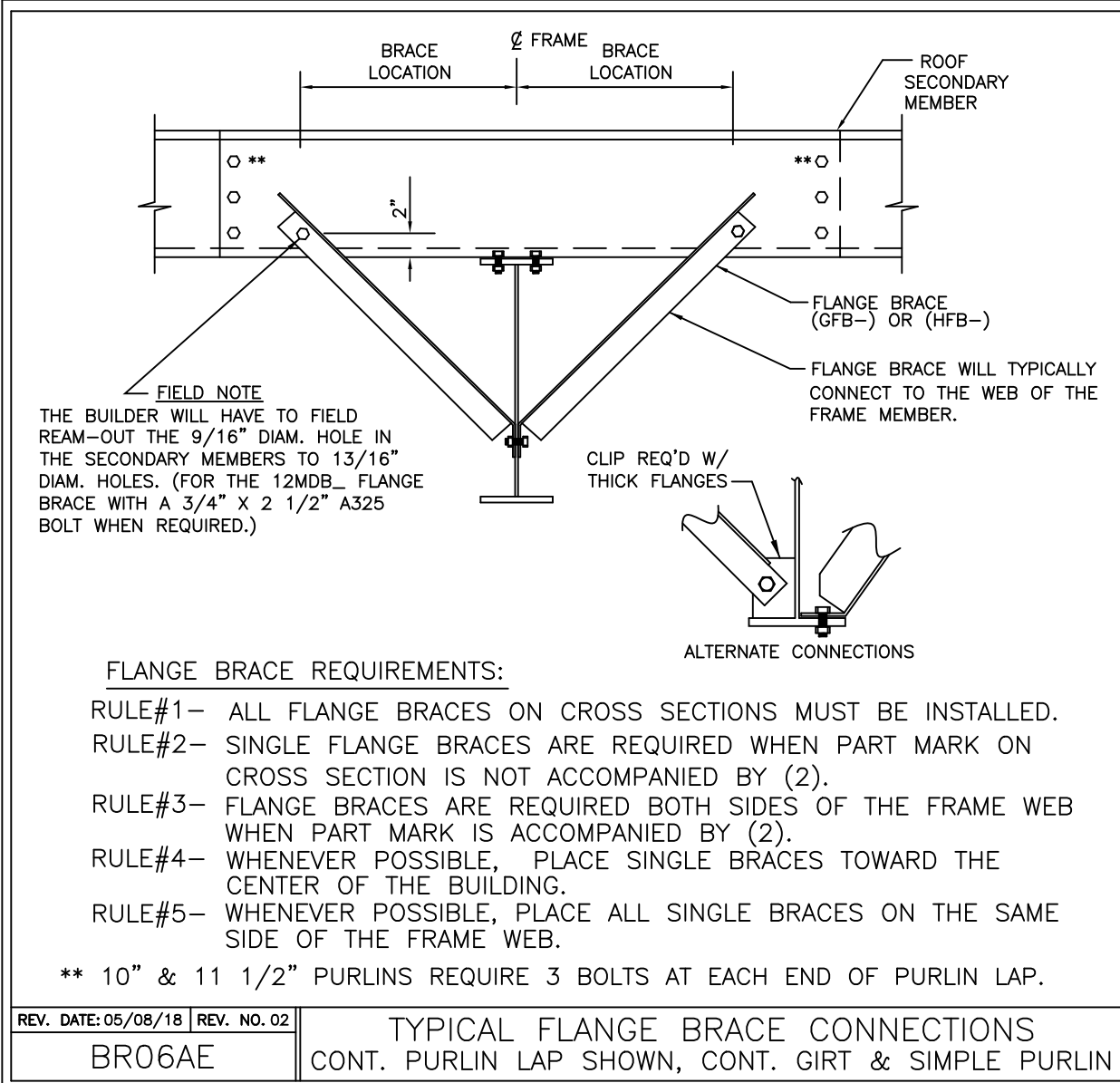
JOBNO

DATE 5/1/2019

DRAWN/CHECK ---

PAGE 22





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.

NOT FOR CONSTRUCTION

FOR REFERENCE ONLY

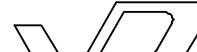
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D				VP Buildings
3200 Players Club Circle Memphis TN 38125				
REV	DATE	BY	DESCRIPTION	
NTS				
10/18/2019 SEDSheet				15:07:28

ROOF SECONDARY SED'S			
BUILDER	SDE Construction, Inc.		JOBNO
CUSTOMER	Muhlenberg Public Works		DATE
LOCATION	Temple, Pennsylvania		5/1/2019
PROJECT	Muhlenberg Twp Public Works		DRAWN/CHECK
BUILDERS PO#			VPC ---
FILENAME:	09-03-19--MPW from VP - Copy		PAGE
			24

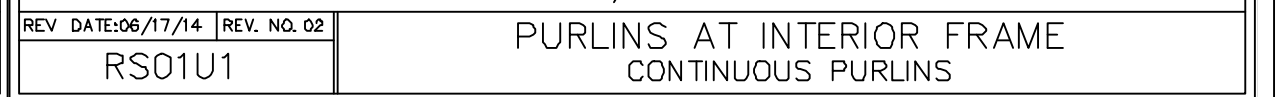
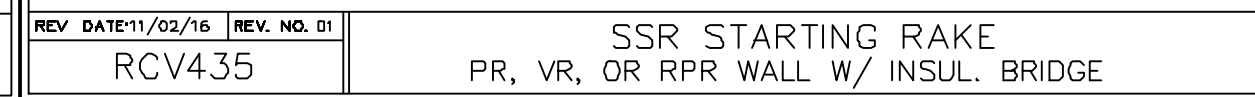


VP BUILDINGS
VARCO PRUDEN

A BlueScope Steel Company
VPC VERSION: 2019.2

a division of BlueScope Buildings North America, Inc.



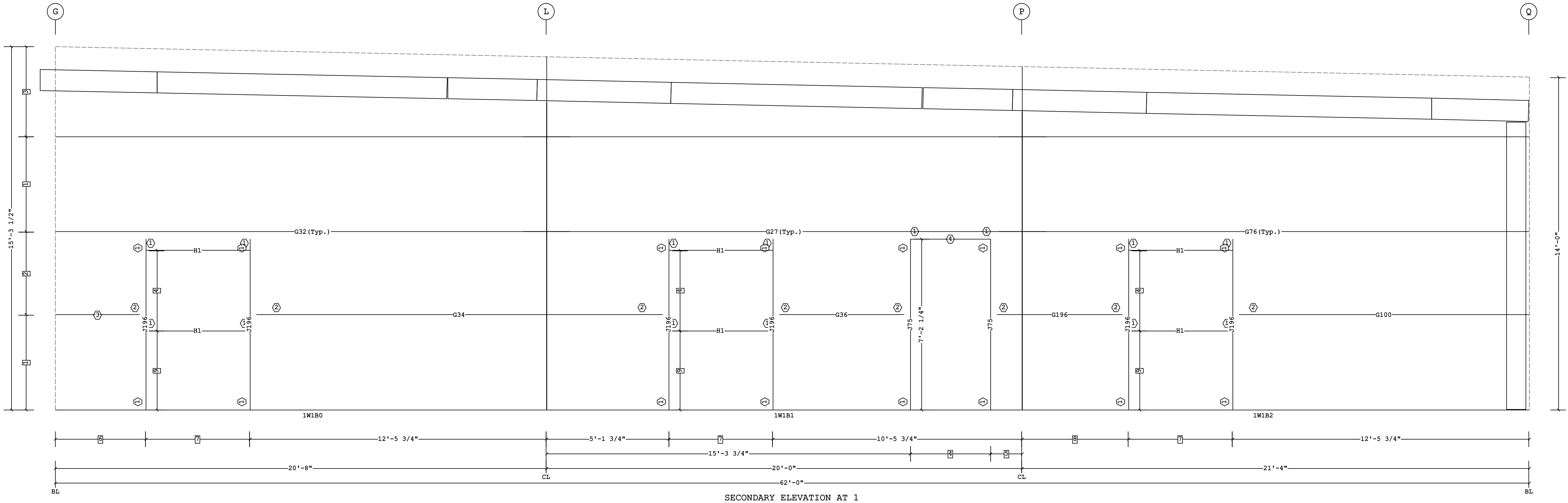


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NTS		BUILDERS PO#	VPC VERSION: 2019.2	25
10/18/2019	SEDSheet	15:07:29	FILENAME: 09-03-19--MPW from VP - Copy a division of BlueScape Buildings North America, Inc.	

Secondary Part Schedule					
Mark	Part	Thick.	Depth	Lap	Detail
G100	08Z1202217DG00	0.0600	8 1/2"		WS12GB,WSR004,WS12A2,WS20F2
G196	00308ZS050301700	0.0600	8 1/2"		WS12GB,WSR004,WS12A2,WS20F2
G27	08Z21114171100	0.0600	8 1/2"	10 1/2"	WS01G3
G32	08Z2107417D100	0.0600	8 1/2"	10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G33	08Z0306217DG00	0.0600	8 1/2"		WS12GB,WSR004,WS12A2,WS20F2
G34	00108ZS170101700	0.0600	8 1/2"		WS12GB,WSR004,WS12A2,WS01G3,WS20F2
G36	00208ZS050301700	0.0600	8 1/2"		WS20F2
G76	08Z2203417D100	0.0600	8 1/2"	10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
H1	00108JS0404417	0.0600	8 1/2"		WS20F9
H6	00308JS0304417	0.0600	8 1/2"		WS20F9
J196	00208JS0702217	0.0600	8 1/2"		WS20F2,WS20FB,WS20F9,WS20B2,WS20B8
J75	00408JS0702217	0.0600	8 1/2"		WS20F9,WS20F2,WS20B2,WS20B8

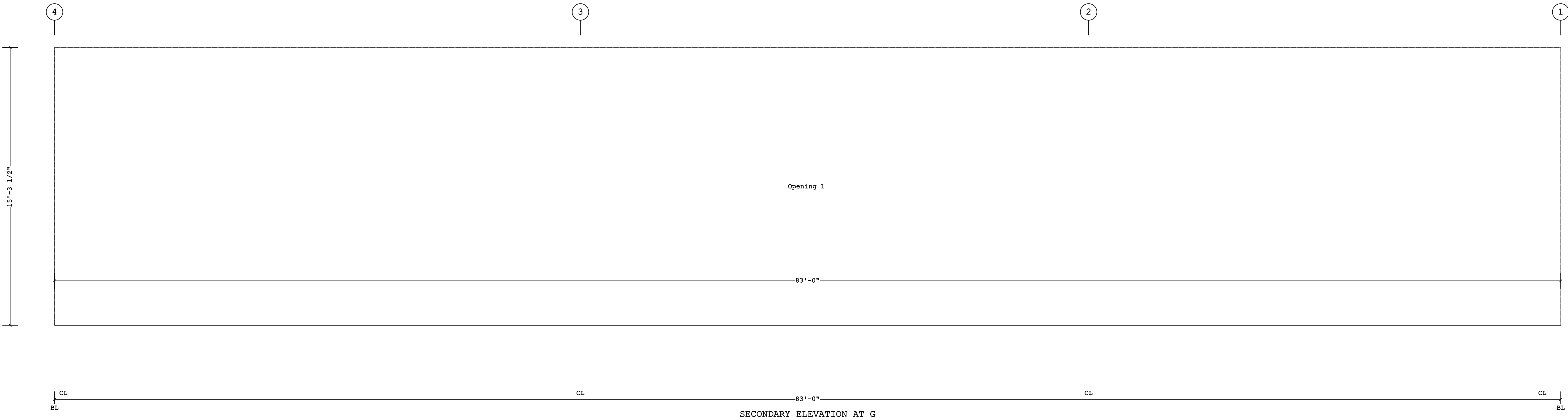



9	3'-4"	
8	4'-5 3/4"	
7	4'-4 1/2"	
6	3'-9 3/4"	
5	1'-3 3/4"	
4	3'-4 1/2"	4 H6
3	3'-9 1/2"	3 G33
2	3'-6"	2 JTG1
1	4'-0"	1 PG1

☐ Dimension Key ☐ Part Mark Key

Shape Name = Offices, Wall = 1

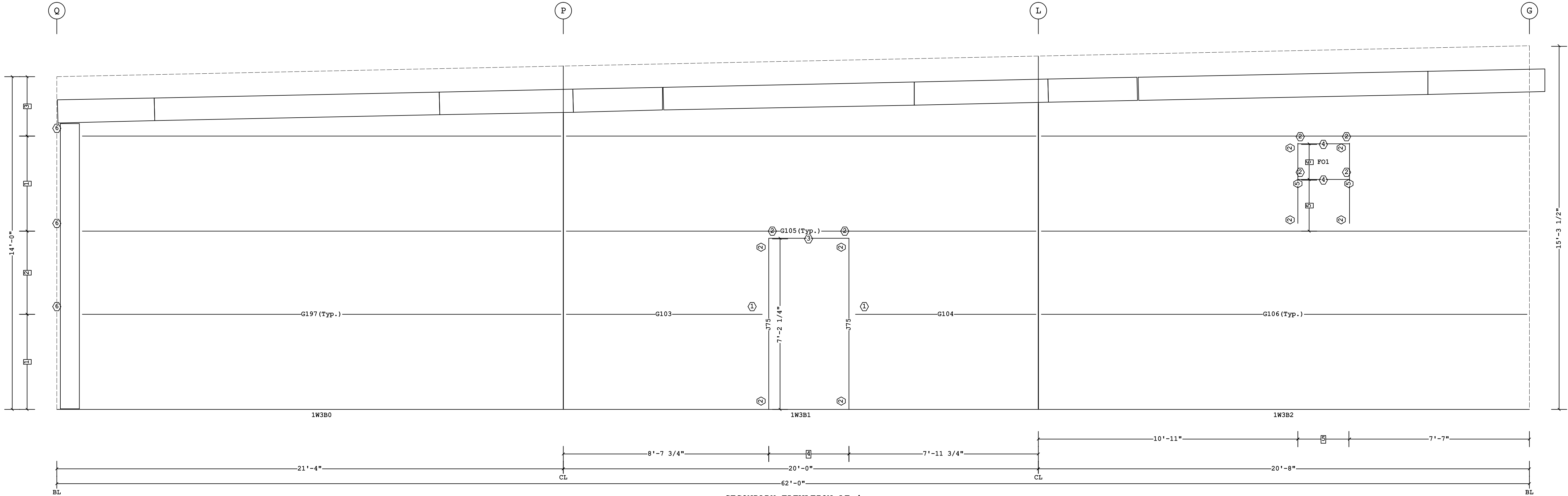
<div>1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.</div> <div>2. FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.</div> <div>3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	SECONDARY ELEVATION AT 1							
				BUILDER	SDE Construction, Inc.			<div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2019.2</div><div>a division of BlueScope Buildings North America, Inc.</div></div>	JOBNO		
				CUSTOMER	Muhlenberg Public Works				DATE		
				LOCATION	Temple, Pennsylvania				5/1/2019		
				PROJECT	Muhlenberg Twp Public Works				DRAWN/CHECK		
				BUILDERS PO#					VPC ---		
				NTS				FILENAME:	09-03-19--MPW from VP - Copy	PAGE	26
								10/18/2019	15:07:32		



Shape Name = Offices, Wall = 2																
<div>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.</div> <div>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.</div> <div>3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>			<div>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.</div>			<div>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.</div> <div>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>			<div>D</div>		VP Buildings		SECONDARY ELEVATION AT G			
									3200 Players Club Circle Memphis TN 38125							
									REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.	<div><div>A BlueScope Steel Company VPC VERSION: 2019.2</div></div>	JOBNO
													CUSTOMER	Muhlenberg Public Works		DATE
													LOCATION	Temple, Pennsylvania		DRAWN/CHECK
													PROJECT	Muhlenberg Twp Public Works		PAGE
				BUILDERS PO#												
NTS																
10/18/2019 15:07:33																
FILENAME: 09-03-19--MPW from VP - Copy																
a division of BlueScope Buildings North America, Inc.																

Secondary Part Schedule					Detail
Mark	Part	Thick.	Depth	Lap	
G103	08Z0803217EG10	0.0600	8 1/2"		WS20F2,WS01H2
G104	08Z0707217EG10	0.0600	8 1/2"		WS01H2,WS20F2
G105	08Z1909417EE10	0.0600	8 1/2"		WS01H2
G106	08Z2005417EE10	0.0600	8 1/2"		WS12GB,WS12A2,WSR004,WS01H2
G197	00408ZS200171710	0.0600	8 1/2"		WS12GB,WS12A2,WS01H2,WSR004
H6	00308JS0304417	0.0600	8 1/2"		WS20F9
H9	00508JS0202017	0.0600	8 1/2"		WS20F9
J194	00608JS0304417	0.0600	8 1/2"		WS20FB,WS20F9,WS20B2,WS20H2
J75	00408JS0702217	0.0600	8 1/2"		WS20F9,WS20F2,WS20B2,WS20B8

Framed Opening Locations							
Id	Width	Height	Sill Ht.	Frame	To	Dimen.	Description
F01	2'-2"	1'-6"	9'-8"	2	Jamb-L	10'-11"	26x18 louver

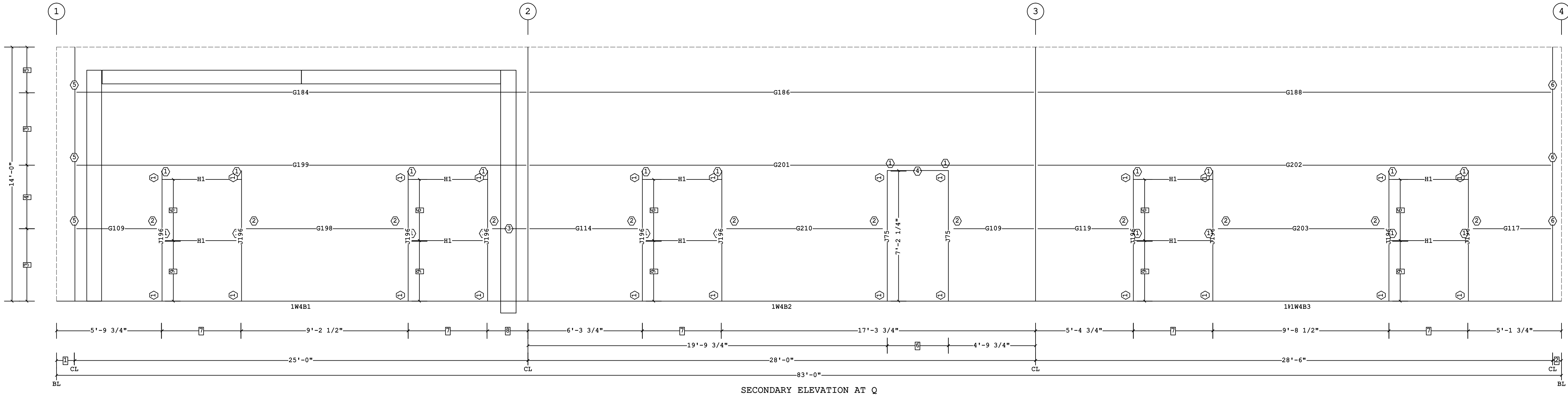


6	1'-6"	6	GFA200
5	2'-2"	5	J194
4	3'-4 1/2"	4	H9
3	2'-6"	3	H6
2	3'-6"	2	PG1
1	4'-0"	1	JTG1

Dimension Key Part Mark Key

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REV			DATE			BY			DESCRIPTION			BUILDER			SDE Construction, Inc.			<div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div><div>A BlueScope Steel Company</div><div>vpc VERSION: 2019.2</div></div><div>a division of BlueScope Buildings North America, Inc.</div></div>			JOBNO		
												CUSTOMER			Muhlenberg Public Works						DATE		
												LOCATION			Temple, Pennsylvania						5/1/2019		
												PROJECT			Muhlenberg Twp Public Works						DRAWN/CHECK		
															BUILDERS PO#			VPC			---		
												NTS						PAGE			28		
																		FILENAME: 09-03-19--MPW from VP - Copy					
															10/18/2019			15:07:34					

Secondary Part Schedule					
Mark	Part	Thick.	Depth	Lap	Detail
G108	08Z0110217EG10	0.0600	8 1/2"		WS12GB,WSR004,WS12A2,WS01H2,WS20F2
G109	08Z0405217EG10	0.0600	8 1/2"		WS12GB,WSR004,WS12A2,WS20F2
G114	08Z0511217EG10	0.0600	8 1/2"		WS20F2,WS01H2
G117	08Z0403217EG10	0.0600	8 1/2"		WS12GB,WSR004,WS12A2,WS20F2
G119	08Z0500217EG10	0.0600	8 1/2"		WS20F2,WS01H2
G184	08Z2409416EE10	0.0680	8 1/2"		WS12GB,WSR004,WS12A2,WS01H2
G186	08Z2709415EE10	0.0730	8 1/2"		WS01H2
G188	08Z2803415EE10	0.0730	8 1/2"		WS12GB,WSR004,WS12A2,WS01H2
G198	00508ZS080801700	0.0600	8 1/2"		WS12GB,WSR004,WS12A2,WS20F2
G199	08Z2409415EE10	0.0730	8 1/2"		WS12GB,WSR004,WS12A2,WS01H2
G201	08Z2709413EE10	0.0880	8 1/2"		WS01H2
G202	08Z2803413EE10	0.0880	8 1/2"		WS12GB,WSR004,WS12A2,WS01H2
G203	00708ZS090201700	0.0600	8 1/2"		WS20F2
G210	00608ZS080701700	0.0600	8 1/2"		WS20F2
H1	00108JS0404417	0.0600	8 1/2"		WS20F9
H6	00308JS0304417	0.0600	8 1/2"		WS20F9
J196	00208JS0702217	0.0600	8 1/2"		WS20F2,WS20FB,WS20F9,WS20B2,WS20B8
J75	00408JS0702217	0.0600	8 1/2"		WS20F9,WS20F2,WS20B2,WS20B8



9	3'-4"	
8	2'-2 3/4"	
7	4'-4 1/2"	
6	3'-4 1/2"	6 GFA106
5	2'-6"	5 GFA200
4	3'-6"	4 H6
3	4'-0"	3 G108
2	6"	2 JTG1
1	1'-0"	1 PG1

□ Dimension Key ○ Part Mark Key

Shape Name = Offices, Wall = 4

<div>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.</div> <div>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.</div> <div>3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>		<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings 3200 Players Club Circle Memphis TN 38125</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><tr><td colspan="4">NTS</td></tr></table>	REV	DATE	BY	DESCRIPTION													NTS				<div>SECONDARY ELEVATION AT Q</div> <table><tr><td>BUILDER</td><td>SDE Construction, Inc.</td></tr><tr><td>CUSTOMER</td><td>Muhlenberg Public Works</td></tr><tr><td>LOCATION</td><td>Temple, Pennsylvania</td></tr><tr><td>PROJECT</td><td>Muhlenberg Twp Public Works</td></tr><tr><td>BUILDERS PO#</td><td></td></tr></table>	BUILDER	SDE Construction, Inc.	CUSTOMER	Muhlenberg Public Works	LOCATION	Temple, Pennsylvania	PROJECT	Muhlenberg Twp Public Works	BUILDERS PO#		<div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div><div>A BlueScope Steel Company</div><div>vpc VERSION: 2019.2</div></div><div>29</div></div> <div>JOBNO</div> <div>DATE</div> <div>5/1/2019</div> <div>DRAWN/CHECK</div> <div>VPC</div> <div>PAGE</div> <div>29</div>
REV	DATE	BY	DESCRIPTION																																	
NTS																																				
BUILDER	SDE Construction, Inc.																																			
CUSTOMER	Muhlenberg Public Works																																			
LOCATION	Temple, Pennsylvania																																			
PROJECT	Muhlenberg Twp Public Works																																			
BUILDERS PO#																																				
				10/18/2019	15:07:35	FILENAME: 09-03-19--MPW from VP - Copy	a division of BlueScope Buildings North America, Inc.																													

10/18/2019

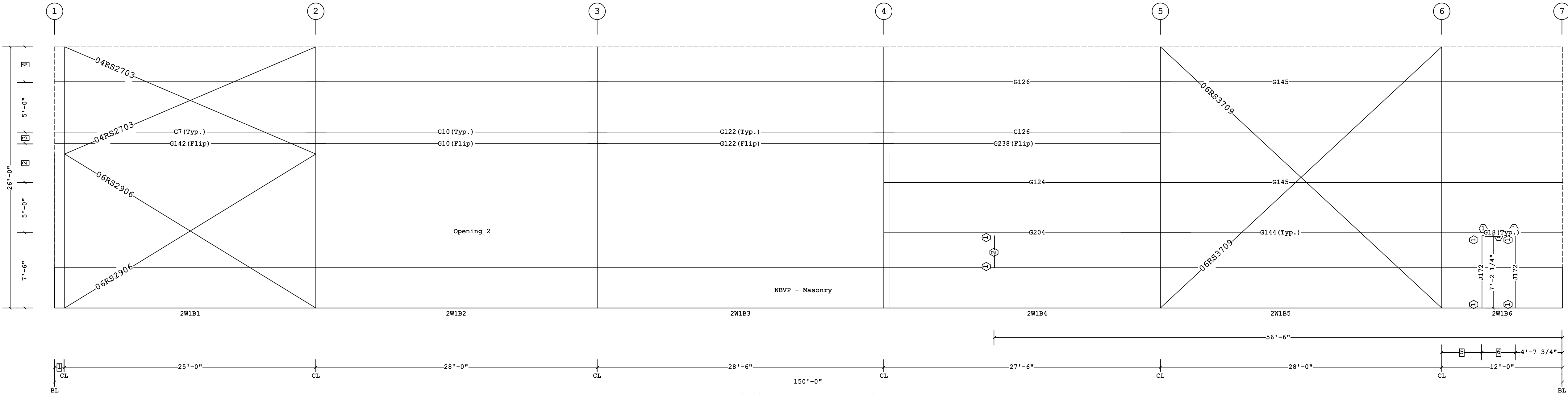
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FILENAME: 09-03-19--MPW from VP - Copy

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Secondary Part Schedule					
Mark	Part	Thick.	Depth	Lap	Detail
G10	08Z29114171100	0.0600	8 1/2"	10 1/2"	WS01G3
G122	08Z30054171100	0.0600	8 1/2"	10 1/2"	WS01G3
G124	08Z3005417D400	0.0600	8 1/2"	2'-10 1/2"	WS01G3,WS01G2
G126	08Z29054171100	0.0600	8 1/2"	10 1/2"	WS01G3
G142 (Flip)	08Z2611413A100	0.0880	8 1/2"	10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G144	08Z3111415D500	0.0730	8 1/2"	3'-10 1/2"	WS01G2,WS01G3
G145	08Z3111416D500	0.0680	8 1/2"	3'-10 1/2"	WS01G2,WS01G3
G18	08Z1111417D000	0.0600	8 1/2"		WS12GB,WSR004,WS12A2,WS01G2
G204	00808ZS300541600	0.0680	8 1/2"	2'-10 1/2"	BR10F5,WS01G3,WS01G2
G238 (Flip)	08Z2811417D200	0.0600	8 1/2"	1'-4 1/2"	WS01G2,WS01G3
G7	08Z2611417A100	0.0600	8 1/2"	10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
H6	00308JS0304417	0.0600	8 1/2"		WS20F9
J171	00708JS0302217	0.0600	8 1/2"		BR10F5,WS20B2,WS20B8
J172	00808JS0702217	0.0600	8 1/2"		WS20F9,WS20B2,WS20B8

Bracing Part Schedule			
Part	Qty	Length	Detail
06RS2906	2	29'-6"	BR01G2
04RS2703	2	27'-3"	BR01G2
06RS3709	2	37'-9"	BR01G2



6	3'-4 1/2"		
5	3'-11 3/4"		
4	3'-6"		
3	1'-1 1/2"	3	H6
2	3'-10 1/2"	2	J171
1	1'-0"	1	PG1

□ Dimension Key ○ Part Mark Key

1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY 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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Shape Name = Garage-MaintBays, Wall = 1

D	VP Buildings			SECONDARY ELEVATION AT G				
	3200 Players Club Circle Memphis TN 38125							
REV	DATE	BY	DESCRIPTION	BUILDER	<div><p>VP BUILDINGS VARCO PRUDEN</p><p>A BlueScope Steel Company VPC VERSION: 2019.2</p></div>		JOBNO	
				CUSTOMER			DATE 5/1/2019	
				LOCATION			DRAWN/CHECK VPC ---	
				PROJECT			PAGE 30	
NTS				BUILDERS PO#				

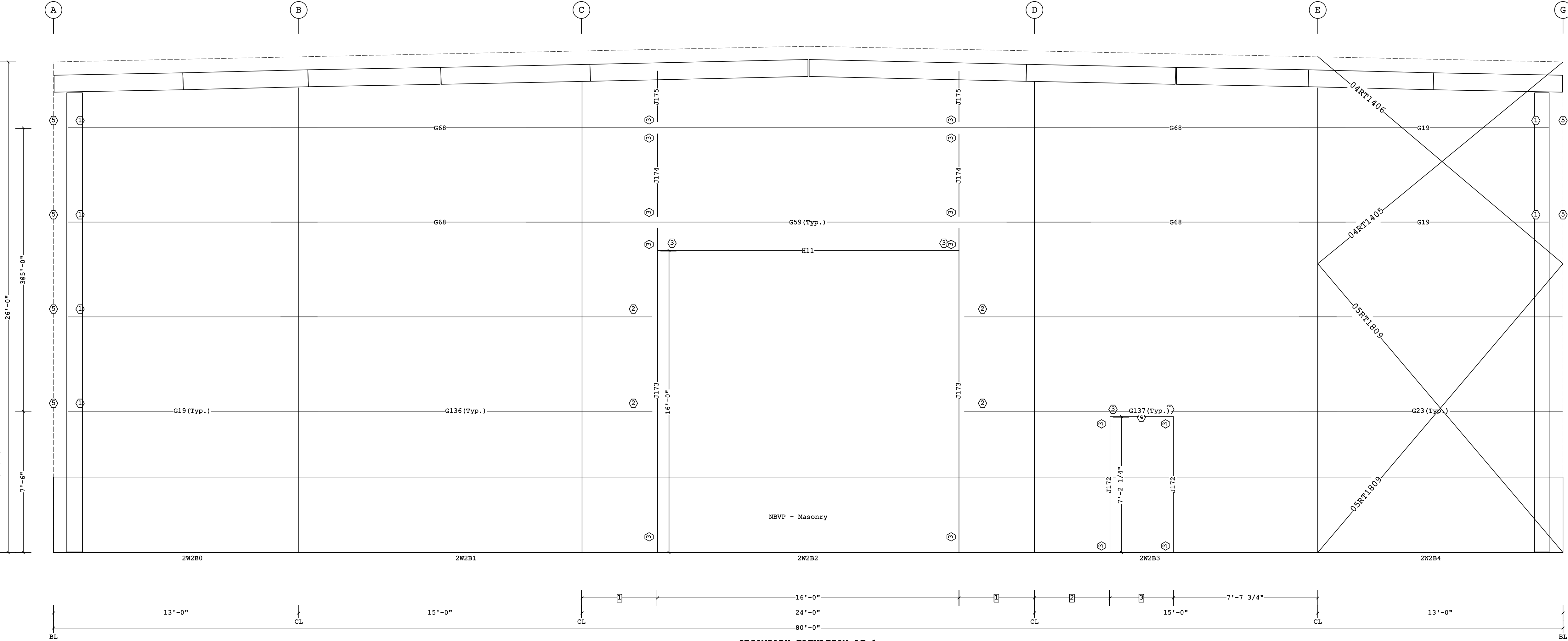


JOBNO	
DATE	5/1/2019
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PAGE	30

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Secondary Part Schedule					
Mark	Part	Thick.	Depth	Lap	Detail
G136	00908ZS190841700	0.0600	8 1/2"	10 1/2"	WS20F2,WS01G3
G137	01008ZS190841700	0.0600	8 1/2"	10 1/2"	WS01G3,WS20F2
G19	08Z1302417Q100	0.0600	8 1/2"	10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G23	08Z1311417D100	0.0600	8 1/2"	10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G59	08Z29114174400	0.0600	8 1/2"	2'-10 1/2"	WS01G3
G68	08Z17114172200	0.0600	8 1/2"	1'-4 1/2"	WS01G3
H11	00908JS1600017	0.0600	8 1/2"		WS20F9
H6	00308JS0304417	0.0600	8 1/2"		WS20F9
J172	00808JS0702217	0.0600	8 1/2"		WS20F9,WS20B2,WS20B8
J173	01008JS1702215	0.0730	8 1/2"		WS20F9,WS20F2,WS20B2,WS20B8
J174	01108JS0404417	0.0600	8 1/2"		WS20B2,WS20H2
J175	01208JS0208417	0.0600	8 1/2"		WS20B5,WS20H2

Bracing Part Schedule			
Part	Qty	Length	Detail
05RT1809	2	18'-9"	BR01G2,BR02K1
04RT1405	1	14'-5"	BR01G2,BR02K1
04RT1406	1	14'-6"	BR01G2,BR02K1



3	3'-4 1/2"	5	GFA106
2	3'-11 3/4"	4	H6
1	4'-0"	3	PG1
		2	JTG1
		1	VCC07003090

□ Dimension Key ○ Part Mark Key

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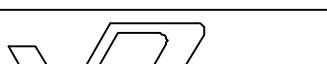
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Shape Name = Garage-MaintBays, Wall = 2

D	VP Buildings			SECONDARY ELEVATION AT 1			
	3200 Players Club Circle Memphis TN 38125						
REV	DATE	BY	DESCRIPTION	BUILDER	 A BlueScope Steel Company VPC VERSION: 2019.2		JOBNO
				CUSTOMER			DATE
				LOCATION			5/1/2019
				PROJECT			DRAWN/CHECK
				BUILDERS PO#		VPC	---
NTS						PAGE	31
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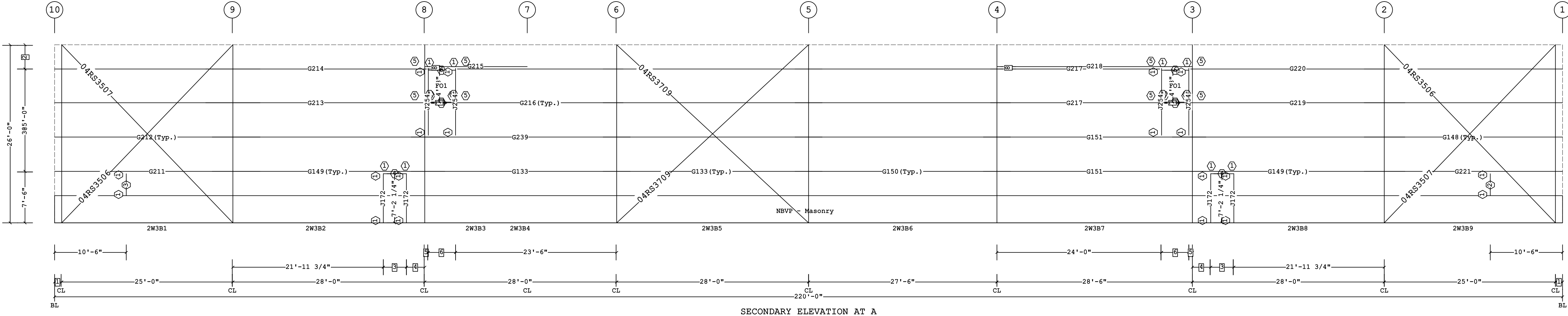
JOBNO	
DATE	5/1/2019
DRAWN/CHECK	VPC
PAGE	31

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Secondary Part Schedule					
Mark	Part	Thick.	Depth	Lap	Detail
G129	01408ZS030541700	0.0600	8 1/2"		
G133	08Z31114173300	0.0600	8 1/2"	1'-10 1/2"	WS01G3
G148	08Z2811417A400	0.0600	8 1/2"	2'-10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G149	08Z33114174400	0.0600	8 1/2"	2'-10 1/2"	WS01G3
G150	08Z31054173300	0.0600	8 1/2"	1'-10 1/2"	WS01G3
G151	08Z32054173300	0.0600	8 1/2"	1'-10 1/2"	WS01G3
G211	01108ZS291141700	0.0600	8 1/2"	3'-10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G212	08Z2911417A500	0.0600	8 1/2"	3'-10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G213	01208ZS320241600	0.0680	8 1/2"	3'-10 1/2"	WS20F2,WS01G3
G214	01308ZS320241700	0.0600	8 1/2"	3'-10 1/2"	WS20F2,WS01G3
G215	08Z1411417DD00	0.0600	8 1/2"		WS01G2
G216	08Z2402417G100	0.0600	8 1/2"	10 1/2"	WS01G3,WS20F2
G217	08Z2408417G100	0.0600	8 1/2"	10 1/2"	WS20F2,WS01G3
G218	08Z2805413DD00	0.0880	8 1/2"		WS01G2
G219	01508ZS310241600	0.0680	8 1/2"	2'-10 1/2"	WS01G3,WS20F2
G220	01608ZS310241700	0.0600	8 1/2"	2'-10 1/2"	WS01G3,WS20F2
G221	01708ZS281141700	0.0600	8 1/2"	2'-10 1/2"	WS12GB,WSR004,WS12A2,BR10F5,WS01G3
G239	08Z31114163300	0.0680	8 1/2"	1'-10 1/2"	WS01G3
H13	01408JS0400017	0.0600	8 1/2"		WS20F9
H6	00308JS0304417	0.0600	8 1/2"		WS20F9
J171	00708JS0302217	0.0600	8 1/2"		BR10F5,WS20B2,WS20B8
J172	00808JS0702217	0.0600	8 1/2"		WS20F9,WS20B2,WS20B8
J176	01308JS0302217	0.0600	8 1/2"		BR10F5,WS20B2,WS20B8
J254	01508JS0908417	0.0600	8 1/2"		WS20FB,WS20F9,WS20F2,WS20B2,WS20H2

Framed Opening Locations							
Id	Width	Height	Sill Ht.	Frame	To	Dimen.	Description
FO1	4'-0"	4'-8"	17'-8"	3	Jamb-L	6"	Louver
FO1	4'-0"	4'-8"	17'-8"	7	Jamb-L	24'-0"	Louver

Bracing Part Schedule				
Part	Qty	Length	Detail	
04RS3506	2	35'-6"	BR01G2	
04RS3507	2	35'-7"	BR01G2	
04RS3709	2	37'-9"	BR01G2	



8	4"		
7	2"	7	G129
6	4'-0"	6	H13
5	6"	5	JTG1
4	2'-7 3/4"	4	H6
3	3'-4 1/2"	3	J171
2	3'-6"	2	J176
1	1'-0"	1	PG1

Dimension Key Part Mark Key

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Shape Name = Garage-MaintBays, Wall = 3

D

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

SECONDARY ELEVATION AT A

BUILDER	SDE Construction, Inc.
CUSTOMER	Muhlenberg Public Works
LOCATION	Temple, Pennsylvania
PROJECT	Muhlenberg Twp Public Works
BUILDERS PO#	



A BlueScope Steel Company
VPC VERSION: 2019.2

JOBNO	
DATE	5/1/2019
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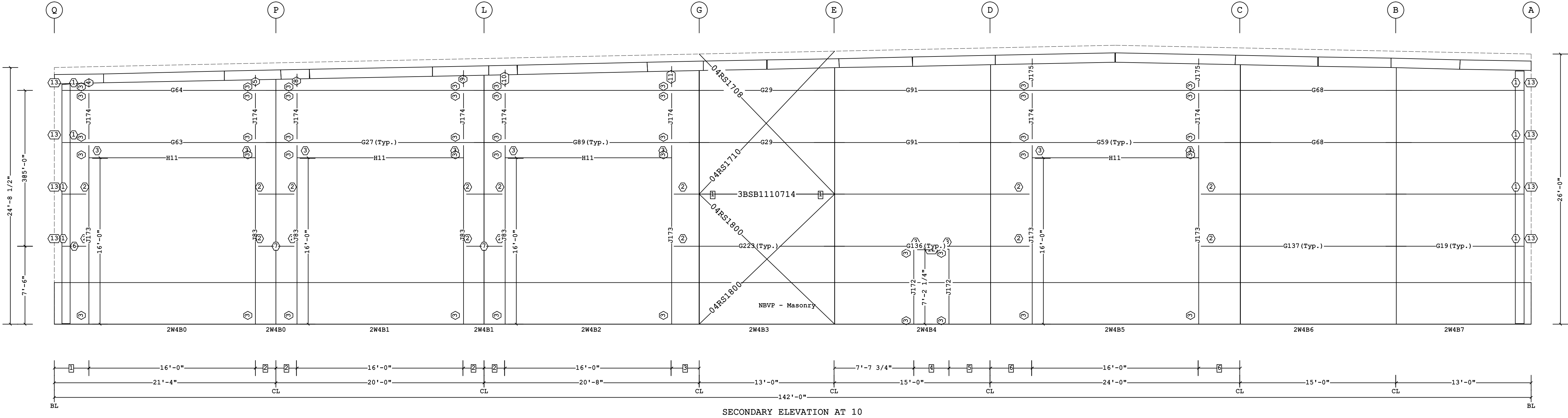
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Secondary Part Schedule					
Mark	Part	Thick.	Depth	Lap	Detail
G136	00908ZS190841700	0.0600	8 1/2"	10 1/2"	WS20F2,WS01G3
G137	01008ZS190841700	0.0600	8 1/2"	10 1/2"	WS01G3,WS20F2
G19	08Z1302417Q100	0.0600	8 1/2"	10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G222	01808ZS030541700	0.0600	8 1/2"		WS20F2
G223	01908ZS160441700	0.0600	8 1/2"	10 1/2"	WS01G3,WS20F2
G27	08Z21114171100	0.0600	8 1/2"	10 1/2"	WS01G3
G29	08Z14114171100	0.0600	8 1/2"	10 1/2"	WS01G3
G59	08Z29114174400	0.0600	8 1/2"	2'-10 1/2"	WS01G3
G62	08Z0203417GQ00	0.0600	8 1/2"		WS12GB,WSR004,WS12A2,WS20F2
G63	08Z2200415Q200	0.0730	8 1/2"	1'-4 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G64	08Z2200417Q200	0.0600	8 1/2"	1'-4 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G68	08Z17114172200	0.0600	8 1/2"	1'-4 1/2"	WS01G3
G89	08Z22074171100	0.0600	8 1/2"	10 1/2"	WS01G3
G91	08Z18114173300	0.0600	8 1/2"	1'-10 1/2"	WS01G3
H11	00908JS1600017	0.0600	8 1/2"		WS20F9
H6	00308JS0304417	0.0600	8 1/2"		WS20F9
J17	01908JS0102717	0.0600	8 1/2"		WS20B5,WS20H2
J172	00808JS0702217	0.0600	8 1/2"		WS20F9,WS20B2,WS20B8
J173	01008JS1702215	0.0730	8 1/2"		WS20F9,WS20F2,WS20B2,WS20B8
J174	01108JS0404417	0.0600	8 1/2"		WS20B2,WS20H2
J175	01208JS0208417	0.0600	8 1/2"		WS20B5,WS20H2
J19	02108JS0107717	0.0600	8 1/2"		WS20B5,WS20H2
J205	01708JS0009717	0.0600	8 1/2"		WS20B5,WS20H2
J206	01808JS0101717	0.0600	8 1/2"		WS20B5,WS20H2
J207	02008JS0106717	0.0600	8 1/2"		WS20B5,WS20H2
J208	02208JS0111717	0.0600	8 1/2"		WS20B5,WS20H2
J83	01608JS1702216	0.0680	8 1/2"		WS20F9,WS20F2,WS20B2,WS20B8

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

Bracing Part Schedule			
Part	Qty	Length	Detail
3BSB1110714	1	12'-4 7/8"	BR15J1
04RS1800	2	18'-0"	BR01G2
04RS1710	1	17'-10"	BR01G2
04RS1708	1	17'-8"	BR01G2



13	GFA106
12	H6
11	J208
10	J19
9	J207
8	J17
7	G222 (Typ.)
6	G62 (Typ.)
5	J206
4	J205
3	PG1
2	JTG1
1	VCC07003090

Dimension Key Part Mark Key

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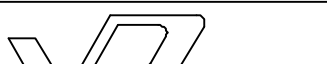
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Shape Name = Garage-MaintBays, Wall = 4

D	VP Buildings			SECONDARY ELEVATION AT 10				
	3200 Players Club Circle Memphis TN 38125							
REV	DATE	BY	DESCRIPTION	BUILDER	<div> A BlueScope Steel Company VPC VERSION: 2019.2</div>		JOBNO	
				CUSTOMER			DATE 5/1/2019	
				LOCATION			DRAWN/CHECK VPC ---	
				PROJECT			PAGE 33	
NTS				BUILDERS PO#	division of BlueScope Buildings North America, Inc.			
10/18/2019		15:07:39		FILENAME:	09-03-19--MPW from VP - Copy			

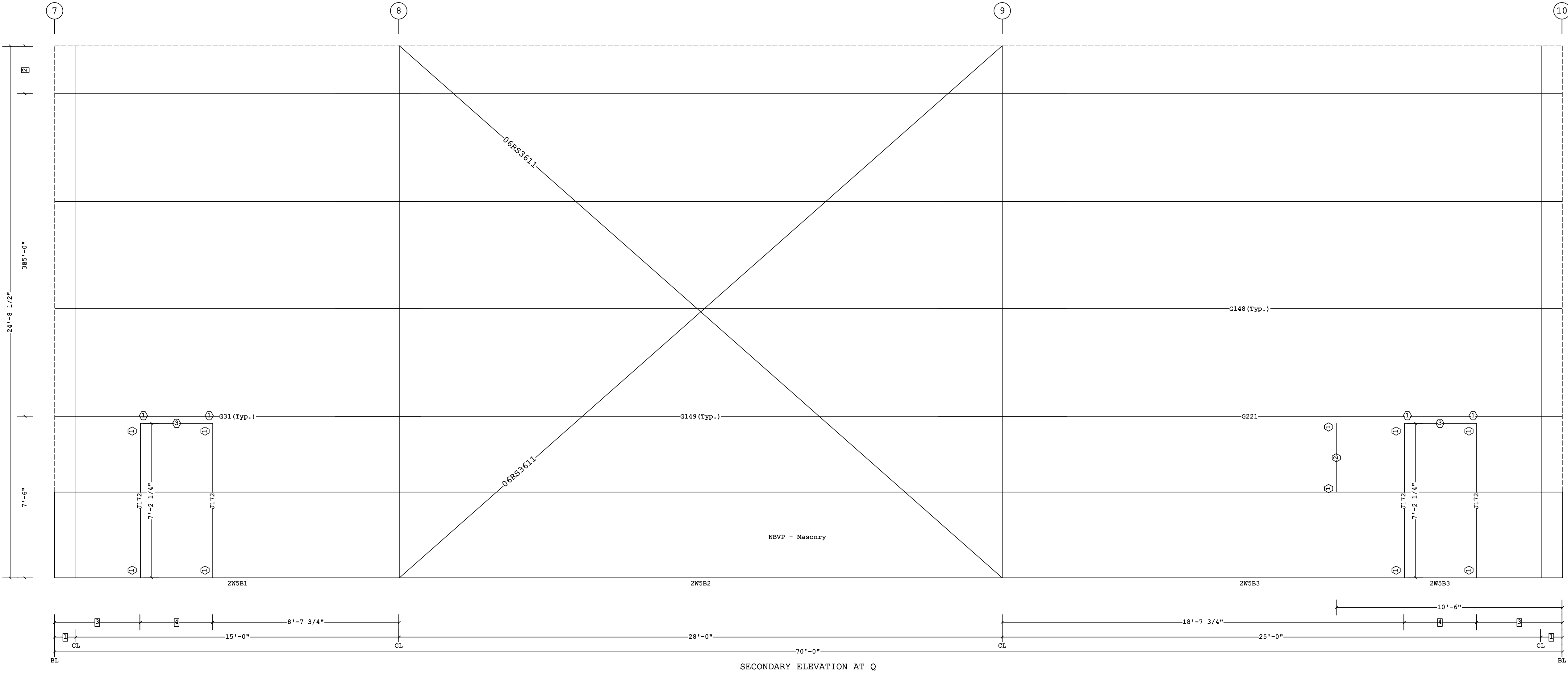


JOBNO	
DATE	5/1/2019
DRAWN/CHECK	VPC ---
PAGE	33

a division of BlueScope Buildings North America, Inc.

Secondary Part Schedule					
Mark	Part	Thick.	Depth	Lap	Detail
G148	08Z2811417A400	0.0600	8 1/2"	2'-10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
G149	08Z33114174400	0.0600	8 1/2"	2'-10 1/2"	WS01G3
G221	01708ZS281141700	0.0600	8 1/2"	2'-10 1/2"	WS12GB,WSR004,WS12A2,BR10F5,WS01G3
G31	08Z1611417A100	0.0600	8 1/2"	10 1/2"	WS12GB,WSR004,WS12A2,WS01G3
H6	00308JS0304417	0.0600	8 1/2"		WS20F9
J172	00808JS0702217	0.0600	8 1/2"		WS20F9,WS20B2,WS20B8
J176	01308JS0302217	0.0600	8 1/2"		BR10F5,WS20B2,WS20B8

Bracing Part Schedule				Detail
Part	Qty	Length		
06RS3611	2	36'-11"		BR01G2



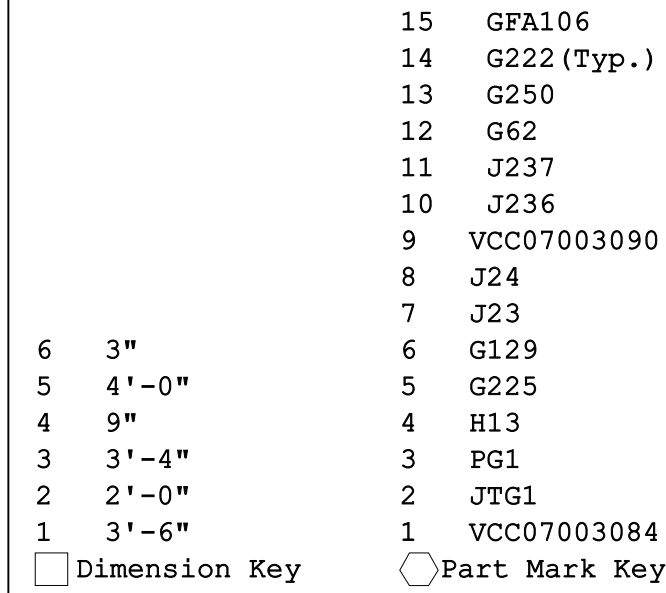
4	3'-4 1/2"		
3	3'-11 3/4"	3	H6
2	2'-2 1/2"	2	J176
1	1'-0"	1	PG1

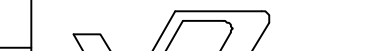
□ Dimension Key ○ Part Mark Key

Shape Name = Garage-MaintBays, Wall = 5

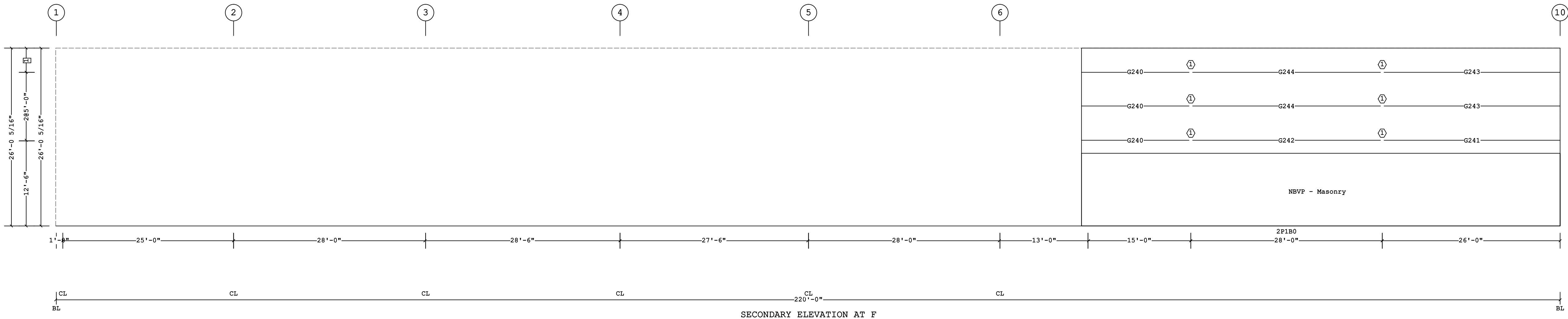
<div>1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.</div> <div>2. FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.</div> <div>3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>		<div>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.</div>		<div>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.</div> <div>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>		<div>D</div>		VP Buildings		SECONDARY ELEVATION AT Q				
						3200 Players Club Circle Memphis TN 38125								
						REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.		<div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>vpc VERSION: 2019.2</div></div> <div>a division of BlueScope Buildings North America, Inc.</div>	JOBNO
										CUSTOMER	Muhlenberg Public Works			DATE
										LOCATION	Temple, Pennsylvania			5/1/2019
										PROJECT	Muhlenberg Twp Public Works			DRAWN/CHECK
				BUILDERS PO#			VPC ---							
NTS				FILENAME:		09-03-19--MPW from VP - Copy		PAGE						
				10/18/2019 15:07:40				34						

Bracing Part Schedule			
Part	Qty	Length	Detail
04RT3201	1	32'-1"	BR02K1,BR01G2
04RT3205	1	32'-5"	BR02K1,BR01G2



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				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.	<div style="text-align: center;">  <p>VP BUILDINGS VARCO PRUDEN</p> </div> <div style="text-align: center;"> <p>A BlueScope Steel Company</p> <p>VP VERSION: 2019.2</p> </div>	JOBNO	
								CUSTOMER	Muhlenberg Public Works		DATE	5/1/2019
								LOCATION	Temple, Pennsylvania		DRAWN/CHECK	VPC ---
								PROJECT	Muhlenberg Twp Public Works		PAGE	35
				NTS				BUILDERS PO#				

Secondary Part Schedule					
Mark	Part	Thick.	Depth	Lap	Detail
G240	08Z1508417DG00	0.0600	8 1/2"		WS12GB,WSR004,WS12A2
G241	08Z2508416DG00	0.0680	8 1/2"		WS12GB,WSR004,WS12A2
G242	08Z2705415GG00	0.0730	8 1/2"		WS12GB,WSR004,WS12A2
G243	08Z2508417DG00	0.0600	8 1/2"		WS12GB,WSR004,WS12A2
G244	08Z2705417GG00	0.0600	8 1/2"		WS12GB,WSR004,WS12A2



1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.

2. FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.

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

SECONDARY ELEVATION AT F

BUILDER	SDE Construction, Inc.	 A BlueScope Steel Company VPC Version: 2019.2	JOBNO
CUSTOMER	Muhlenberg Public Works		DATE
LOCATION	Temple, Pennsylvania		5/1/2019
PROJECT	Muhlenberg Twp Public Works		DRAWN/CHECK
BUILDERS PO#			VPC ---
		PAGE	
		36	



A BlueScope Steel Company
VPC VERSION: 2019.2

a division of BlueScope Buildings North America, Inc.

COLUMN OR BEAM WEB

ROD

HEX NUT

WASHER "A"

WASHER "B"

HILLSIDE WASHER

WEB REINFORCEMENT PLATE
(IF PRESENT) MAY BE SHOP WELDED ON EITHER SIDE OF THE WEB.

DESCRIPTION/PART NO				
ROD DIA	NUT	HARD STEEL ROUND WASHER A	HARD STEEL WASHER B	HILLSIDE WASHER
3/8"	95321	3/8" FLAT WASHER (96408)	1/2" BEVEL SQUARE WASHER (46040)	
1/2"	95230	1/2" FLAT WASHER (95872)	3/4" FLAT ROUND WASHER (95946)	543334
5/8"	95233	5/8" FLAT WASHER (95945)		
3/4"	95235	3/4" FLAT WASHER (95946)	1" FLAT ROUND WASHER (95948)	543335
7/8"	95237	7/8" FLAT WASHER (95947)		
1"	95238	1" FLAT WASHER (95948)		
1 1/8"	95239	1 1/8" FLAT WASHER (95949)	1 1/8" FLAT ROUND WASHER (95949)	543336

REV. DATE:06/02/17

REV. NO. 04

ROD BRACE
WEB SLOT ASSEMBLY

BR01G2

ROD DIA.	CLEVIS MARK NO.	CLEVIS PIN DIA.
3/8"	097572	1 1/4"
1/2"	097573	
5/8"	095277	
3/4"	095278	
7/8"	095279	
1"	095280	1 1/2"
1 1/8"	095281	
1 1/4"	095282	
1 3/8"	097593	
1 1/2"	097594	

COTTER PIN

CLEVIS

BRACE ROD

CLEVIS PIN (WITH SHOULDER)

MAY BE FURNISHED WITHOUT A SHOULDER, THEN TWO COTTER PIN WILL BE PROVIDED.

REV. DATE:06/23/11

REV. NO. 03

ROD BRACING
CLEVIS ASSEMBLY

BR02K1

BRACE LOCATION

FRAME

BRACE LOCATION

SECONDARY MEMBER

FLANGE BRACE (GFB-) OR (HFB-)

FLANGE BRACE WILL TYPICALLY CONNECT TO THE WEB OF THE FRAME MEMBER.

CLIP REQ'D W/ THICK FLANGES

ALTERNATE CONNECTIONS

FIELD NOTE
THE BUILDER WILL HAVE TO FIELD REAM-OUT THE 9/16" DIAM. HOLE IN THE SECONDARY MEMBERS TO 13/16" DIAM. HOLES: (FOR THE 12M0B, FLANGE BRACE WITH A 3/4" X 2 1/2" A325 BOLT WHEN REQUIRED.)

FLANGE BRACE REQUIREMENTS:

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

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

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

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

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

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

REV. DATE:05/06/18

REV. NO. 02

TYPICAL FLANGE BRACE CONNECTIONS
CONT. PURLIN LAP SHOWN, CONT. GIRT & SIMPLE PURLIN

BR06AE

STANDARD GIRT

CORNER POST

STANDARD GIRT

SUB GIRT

STANDARD GIRT

SUB GIRT

SUB JAMB (TYPICAL)

SUB JAMB LOCATION PER DESIGN

GIRT SPACING

SEE FRAME CROSS SECTIONS FOR SUB GIRT SPACING

WALL PANEL MUST BE ATTACHED TO SUB GIRTS WITH STRUCTURAL FASTENERS AT STANDARD LOCATIONS (WALL PANEL DOES NOT ATTACH TO SUB JAMB)

SUB GIRT TO SUB JAMB CLIP	SUB JAMB DEPTH			
	7"	8 1/2"	10"	11 1/2"
7"	JTG3	JTG8		
8 1/2"		JTG1	JTG5	
10"			JTG4	JTG2
11 1/2"				JTG2

SUB JAMB LOCATION

1 1/4"

SECTION 'A'

CLIP (PG1)
W/ (4) 1/2" A325 BOLTS (49080) TYPICAL

(2) PG1
W/ (6) 1/2" A325 BOLTS (49080) TYPICAL

CLIP (SEE CHART ABOVE)
W/ (4) 1/2" A325 BOLTS (49080) TYPICAL

1/2" DIAMETER CONCRETE ANCHORS (BY BUILDER)

REV. DATE:03/30/10

REV. NO. 01

CORNER ZONE BRACING
WALL PLAN VIEW (JAMB SUPPORT)

BR10F5

PORTAL FRAME

PRIMARY FRAME

(2 OR 4) A325 BOLTS

1/2" x 1 1/2" A-325 BOLT (49080) TYP.

FLANGE BRACE REQUIREMENTS:

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

NOTES:

① FIELD DRILL 9/16" HOLES IN PRIMARY AND PORTAL FRAME WEBS FOR FLANGE BRACE CONNECTIONS.

② DRILL 9/16" HOLE IN PORTAL FRAME COLUMN WEB APPROX. 2" FROM BOLTING PLATE @ BEAM C.

REV. DATE:03/17/16

REV. NO. 03

PORTAL FRAME DETAIL
CONNECTION TO FRAME

BR12J1

BRACE ROD

CLEVIS PIN W/ COTTER PIN (SEE ERECTION DWGS)

STRUT CONNECTION BOLTS
SEE DRAWINGS FOR SIZES AND QUANTITIES

BRACE STRUT (GAGE) _BSB_

COLUMN

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:06/23/11

REV. NO. 01

STRUT BRACING
GAGE STRUT ON WALL

BR15J1

BRACE ROD

CLEVIS PIN W/ COTTER PIN (SEE ERECTION DWGS)

BRACE STRUT

COLUMN

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:06/23/11

REV. NO. 01

WALL STRUT BRACING
THREE-PLATE STRUT IN WALL

BR15JC

ADJUST. CODES

GAGE

EIGHTHS

INCHES

LENGTH

FEET (millimeters)

SHAPE

DEPTH

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

REV. DATE:07/01/09

REV. NO. 00

SECONDARY PART MARK NUMBER
COMMON GENERATED MARK NUMBERS

EN51B1

ADJUST. CODES

GAGE

EIGHTHS

INCHES

LENGTH

FEET (millimeters)

SHAPE

DEPTH

COUNTER

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

REV. DATE:07/01/09

REV. NO. 00

SPECIAL SECONDARY PART MARK KEY
COMMON GENERATED MARK NUMBERS

EN51B2

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

REV. DATE:01/31/13

REV. NO. 01

SECONDARY BUNDLE LOCATION KEY
ALL SECONDARY DEPTHS

EN51B3

2 1/2"

2 5/8"

8 1/2"

48° LIP

2 1/2"

2 5/8"

REV. DATE:01/01/08

REV. NO. 00

PURLIN AND GIRT SIZES
8 1/2" 216mm

EN53F1

7" PURLIN

EPC2

8 1/2" PURLIN

EPC3

7" PURLIN

PC27

8 1/2" PURLIN

ARC1

SECTION "A" WELDED CLIP

SECTION "A" BOLTED CLIP

REFER TO ERECTION DRAWINGS FOR ALL CLIP MARK NUMBERS AND LOCATIONS.

FRAME

BAY SPACE

FRAME BAY SPACE

7" OR 8 1/2" PURLINS

RAFTER

REV. DATE:08/11/14

REV. NO. 04

ANTI-ROLL PURLIN CLIPS
WHEN REQUIRED BY DESIGN

RS03J1

7" & 8 1/2" GIRT CLIP (PG1)

10" & 11 1/2" GIRT CLIP (GCD-)

MAY BE SHOP WELDED (GC1 OR GCA-)

ZEE GIRT SHOWN

CEE GIRT SIMILAR

REV. DATE:07/01/09

REV. NO. 00

GIRT CONN. AT COLUMN
OUTSET SIMPLE GIRTS

WS01G2

7" & 8 1/2" GIRT

ZEE GIRT

GIRT CLIP (PG1)

MAY BE SHOP WELDED (GC1 OR GCA-)

LAP

LAP

SEE SECONDARY PLAN

REV. DATE:01/20/11

REV. NO. 01

GIRT CONN. AT COLUMN
OUTSET CONTINUOUS GIRT

WS01G3

1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.

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D

VP Buildings

3200 Players Club Circle Memphis TN 38125

REV	DATE	BY	DESCRIPTION
NTS			
10/18/2019 SEDSheet 15:07:42			

WALL SECONDARY SED'S

BUILDER	SDE Construction, Inc.
CUSTOMER	Muhlenberg Public Works
LOCATION	Temple, Pennsylvania
PROJECT	Muhlenberg Twp Public Works
BUILDERS PO#	

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vpc VERSION: 2019.2

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JOBNO	
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FILENAME: 09-03-19--MPW from VP - Copy

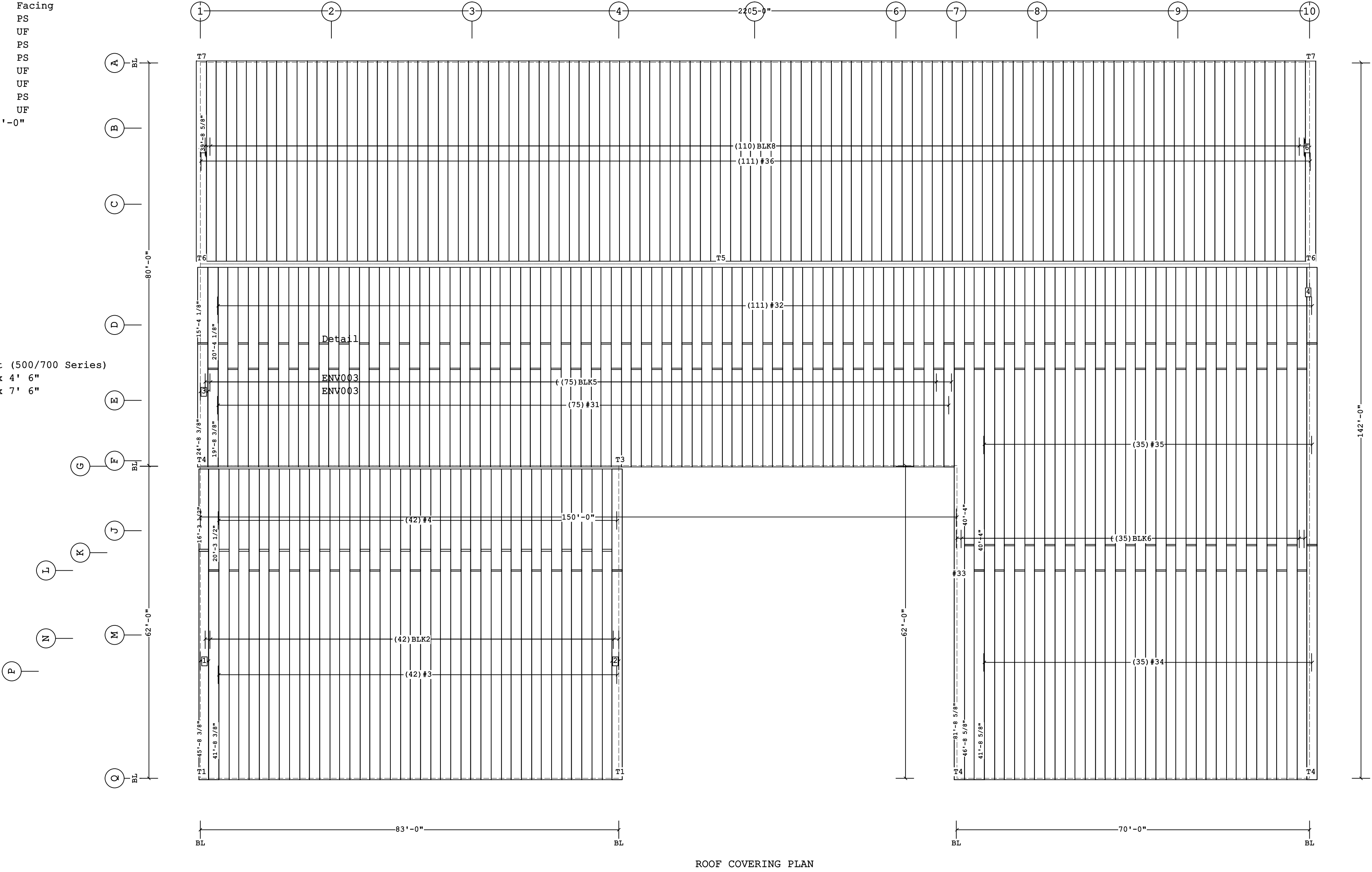
Covering Schedule									
Id	Qty	Start	Length	Qty	Stagger	Length	Type	Gage	OP
#3	21	45'-8	3/8"	21	41'-8	3/8"	SSR	24	2
#4	21	16'-3	1/2"	21	20'-3	1/2"	SSR	24	2
#31	38	24'-8	3/8"	37	19'-8	3/8"	SSR	24	2
#32	56	15'-4	1/8"	55	20'-4	1/8"	SSR	24	2
#33	1	81'-8	5/8"				SSR	24	2
#34	18	46'-8	5/8"	17	41'-8	5/8"	SSR	24	2
#35	18	40'-4"		17	40'-4"		SSR	24	2
#36	111	39'-8	5/8"				SSR	24	2
Oper. Code:2=SQ,SQ									
Finish:G=Galvalume									
Color:TD=Standard Color									

Insulation Schedule (Install in same direction as Covering)						
Id	Qty	Type	Start	Run	Last	Run
BLK1	21	IB	62'-6"		62'-6"	
BLK2	42	IU	62'-6"		62'-6"	
BLK3	37	IB	40'-6"		40'-6"	
BLK4	18	IB	102'-6"		102'-6"	
BLK5	75	IU	40'-6"		40'-6"	
BLK6	35	IU	102'-6"		102'-6"	
BLK7	55	IB	40'-6"		40'-6"	
BLK8	110	IU	40'-6"		40'-6"	
Starter Width= 4'-0", Interm. Width= 4'-0", End Width= 4'-0"						
Location =Outside Secondary Structural						
Direction =Across Secondary Structural						
Type:IB=Thermalift Fiberglass Bottom Blanket						
Type:IU=Thermalift Fiberglass Top Blanket						
Facing:PS=Polypropylene Scrim Kraft, Standard Duty						
Facing:UF=Unfaced						

Accessory Schedule		
Qty	Color	Description
10	Beige	3070 Door - Standard
10	Cool Arctic White	3070 VR Door Trim Kit (500/700 Series)
5	Cool Arctic White	Walk Door Canopy 5' x 4' 6"
1	Cool Arctic White	Walk Door Canopy 5' x 7' 6"

Trim Schedule		
Id	Parts	
T1	BS1,FPRF1,GGC1,MCC1	
T2	HCP0L,MCC1	
T3	HCP0R,MCC1	
T4	BS1,FPRF1,GGC1,MCC1	
T5	(22)VPRT,80539,SRCF06,(22)SRCF10,SRCM06,(22)SRCM10	
T6	SPC0B,SRRI	
T7	BS1,FPRF1,GGC1,MCC1	

Color	Details
Cool Dark Bronze	RC38N1
Cool Dark Bronze	RC50H3
Cool Dark Bronze	RC50H3
Cool Dark Bronze	RC38N1
Match Roof Color	RC34A7,RCV404,RCV418,RCV419,RCV420,RCV421,RCV531
Cool Dark Bronze	RCV501,RCV502
Cool Dark Bronze	RC38N1



Ice Damming Conditions Exist

- 6 10" Starter Panel (Cut Dim. = 11")
- 5 1'-2" Starter Panel (Cut Dim. = 1'-3")
- 4 6" Starter Panel (Cut Dim. = 7")
- 3 1'-6" Starter Panel (Cut Dim. = 1'-7")
- 2 1'-4" Starter Panel (Cut Dim. = 1'-5")
- 1 1'-8" Starter Panel (Cut Dim. = 1'-9")

Dimension Key

Shape Name = Offices, Shape = Garage-MaintBays

- 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 FASTENERS SPECIFICATION.

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D	VP Buildings			
	3200 Players Club Circle Memphis TN 38125			
	REV	DATE	BY	DESCRIPTION
NTS				
10/18/2019 15:07:46				

ROOF COVERING PLAN

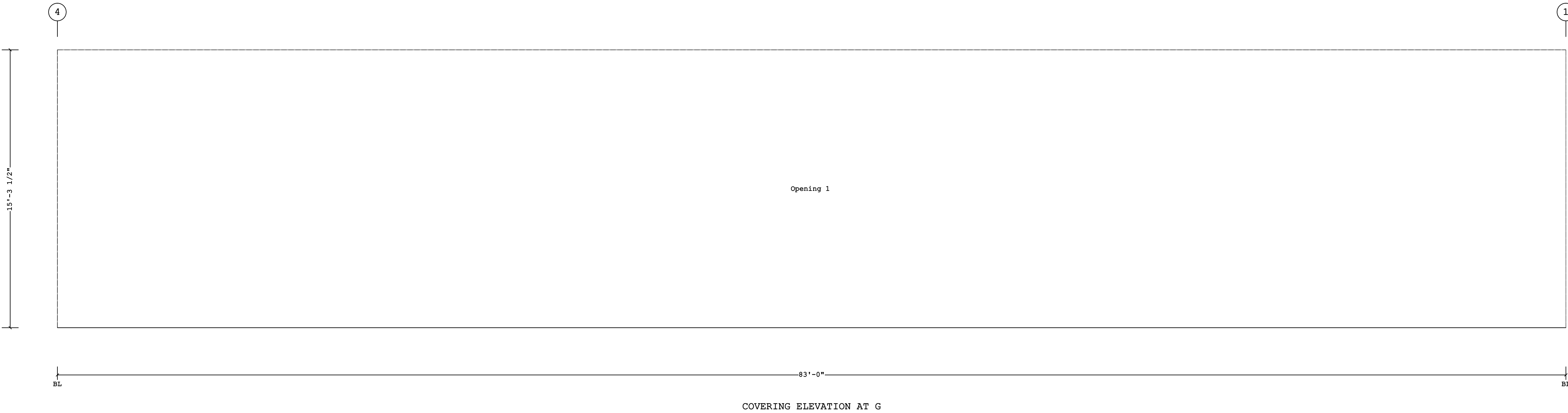
BUILDER	SDE Construction, Inc.
CUSTOMER	Muhlenberg Public Works
LOCATION	Temple, Pennsylvania
PROJECT	Muhlenberg Twp Public Works
BUILDERS PO#	



JOBNO	
DATE	5/1/2019
DRAWN/CHECK	VPC ---
PAGE	39

FILENAME: 09-03-19--MPW from VP - Copy

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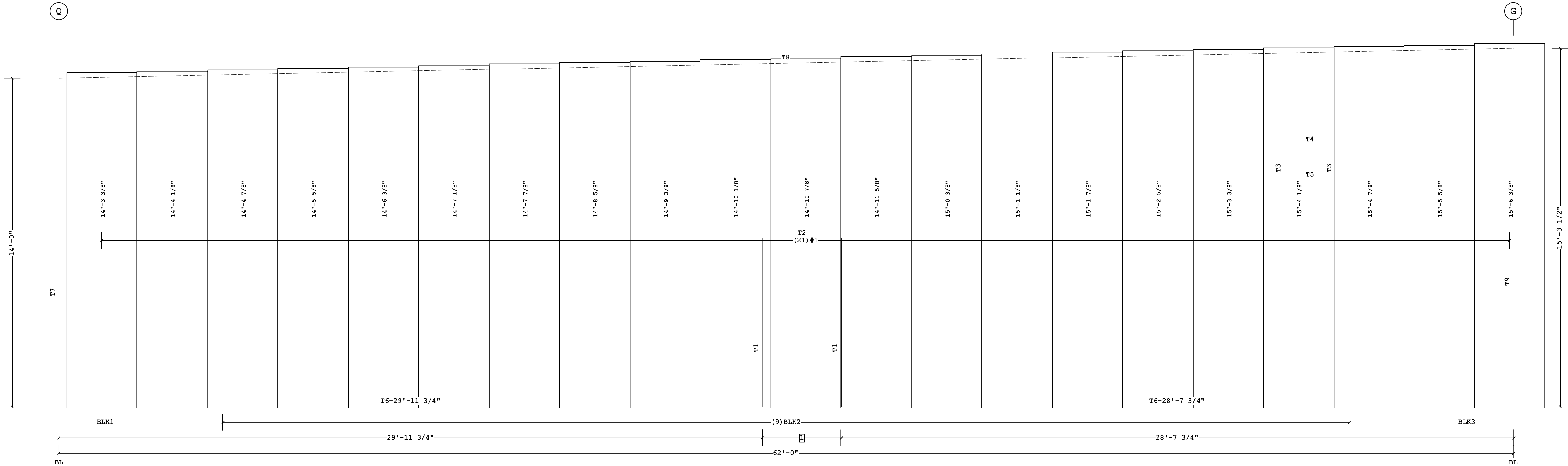


Shape Name = Offices, Wall = 2								
<div>1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE's AND/OR FASTENERS TO STRUCTURAL BEAMS</div> <div>2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.</div> <div>3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.</div> <div>4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.</div> <div>FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	REV		DATE	BY	DESCRIPTION
NTS				10/18/2019 15:07:50				
FILENAME: 09-03-19--MPW from VP - Copy				a division of BlueScope Buildings North America, Inc.				

Covering Schedule									
Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction
#1	21	VR	14'-3 3/8"	26	1	K	TD	3/4"	Left to Right
Oper. Code:1=SQ,SQ									
Finish:K=KKL (Kynar)									
Color:TD=Standard Color									

Trim Schedule			Color	Details
Id	Parts			
T1	DFT10, JT07		Cool Dark Bronze	WC24B1
T2	DFT05, HTS05		Cool Dark Bronze	WC24B2
T3	DFT05, JT05		Cool Dark Bronze	WC24B1
T4	DFT05, HTS03		Cool Dark Bronze	WC24B2
T5	TDFH03		Cool Dark Bronze	WC24B4
T6	(2.3)BA125, (6)BT10		Cool Dark Bronze	EN52B1, ENV007, RC00A1, WC01AB, WC04H1
T7	(1.5)AFT16, CTE16		Match Wall Color	WC20B2
T8	(7)RFR10-130, (4)RKF16, (7)RSC10		Cool Dark Bronze	RC30A1, RCV403, RCV435, RSV010
T9	AFT16, (2)ICE10		Match Wall Color	WC21B2

Insulation Schedule (Install in same direction as Covering)							
Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment
BLK1	1	IC	15'-6"		6.00	PS	
BLK2	9	IC	15'-6"	16'-6"	6.00	PS	1 1/2"
BLK3	1	IC	16'-6"		6.00	PS	
Starter Width= 4'-0", Interm. Width= 4'-0", End Width= 4'-0"							
Location =Outside Secondary Structural							
Direction =Across Secondary Structural							
Type:IC=Fiberglass Blanket							
Facing:PS=Polypropylene Scrim Kraft, Standard Duty							
Shape Name = Offices, Wall = 3							



COVERING ELEVATION AT 4

- 1 3'-4 1/2"
Dimension Key

Fastener Schedule	
Part	Description
Roof Stitch 7/8 SS(T-1)	1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

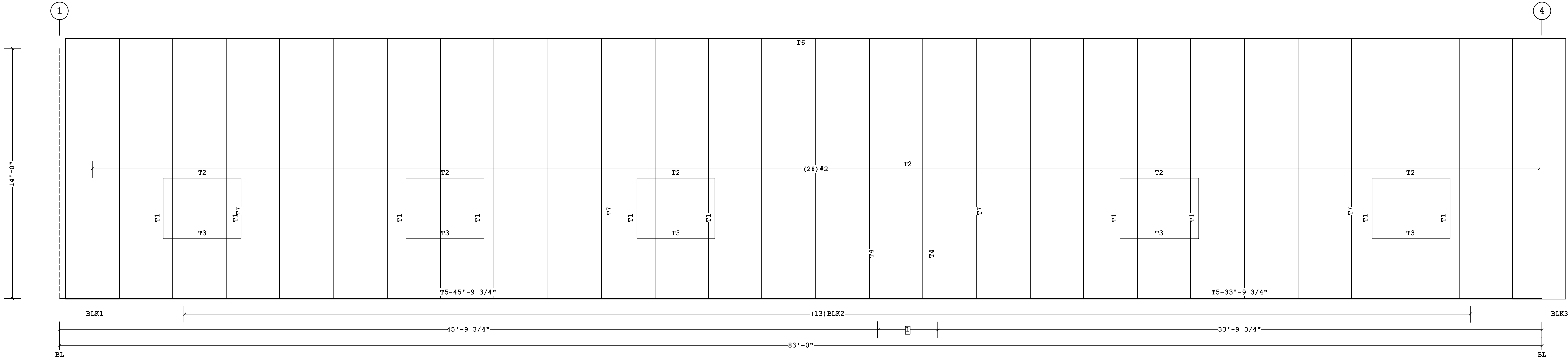
Shape Name = Offices, Wall = 3

<div>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</div> <div>2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.</div> <div>3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.</div> <div>4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.</div> <div>NOT FOR CONSTRUCTION</div> <div>FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div>	VP Buildings				COVERING ELEVATION AT 4							
				3200 Players Club Circle Memphis TN 38125											
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.			<div><div><div>VP</div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>VPC VERSION: 2019.2</div></div>	JOBNO		
								CUSTOMER	Muhlenberg Public Works					DATE	
								LOCATION	Temple, Pennsylvania					5/1/2019	
								PROJECT	Muhlenberg Twp Public Works					DRAWN/CHECK	
												BUILDERS PO#	VPC	---	PAGE
								NTS							42

Covering Schedule								
Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Direction
#2	28	VR	14'-7"	26	1	K	TD	Left to Right
Oper. Code:1=SQ,SQ								
Finish:K=KXL (Kynar)								
Color:TD=Standard Color								

Trim Schedule			Color	Details
Id	Parts			
T1	DFT05, JT05			
T2	DFT05, HTS05			
T3	TDFH05			
T4	DFT10, JT07			
T5	(3.2) BA125, (8) BT10			
T6	(4) EG201, EG121, (9) GRA10, (8) PCA10A, PCA05A, (43.5) STR4			
T7	5CE75, (2) CP510, DN1, (3) DST1		Match Wall Color	RC38P1

Insulation Schedule (Install in same direction as Covering)							
Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment
BLK1	1	IC	15'-0"		6.00	PS	
BLK2	13	IC	15'-0"	15'-0"	6.00	PS	
BLK3	1	IC	15'-0"		6.00	PS	
Starter Width= 4'-0", Interm. Width= 4'-0", End Width= 4'-0"							
Location =Outside Secondary Structural							
Direction =Across Secondary Structural							
Type:IC=Fiberglass Blanket							
Facing:PS=Polypropylene Scrim Kraft, Standard Duty							
Shape Name = Offices, Wall = 4							



COVERING ELEVATION AT Q

1 3'-4 1/2"
Dimension Key

Fastener Schedule	
Part	Description
Roof Stitch 7/8 SS(T-1)	1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

Shape Name = Offices, Wall = 4

<div>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</div> <div>2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.</div> <div>3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.</div> <div>4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.</div> <div>FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	COVERING ELEVATION AT Q							
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.	<div><div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company</div><div>vpc VERSION: 2019.2</div></div>	<div>JOBNO</div> <div>DATE</div> <div>5/1/2019</div> <div>DRAWN/CHECK</div> <div>VPC ---</div> <div>PAGE</div> <div>43</div>
								CUSTOMER	Muhlenberg Public Works		
								LOCATION	Temple, Pennsylvania		
								PROJECT	Muhlenberg Twp Public Works		
				NTS				BUILDERS PO#			

Covering Schedule								
Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Direction
#5	27	VR	10'-1 3/4"	26	1	K	TD	Left to Right
#6	21	VR	22'-6 1/2"	26	1	K	TD	Left to Right
#7	2	VR	22'-7"	26	1	K	TD	Left to Right

Oper. Code:1=SQ,SQ
Finish:K=KXL (Kynar)
Color:TD=Standard Color

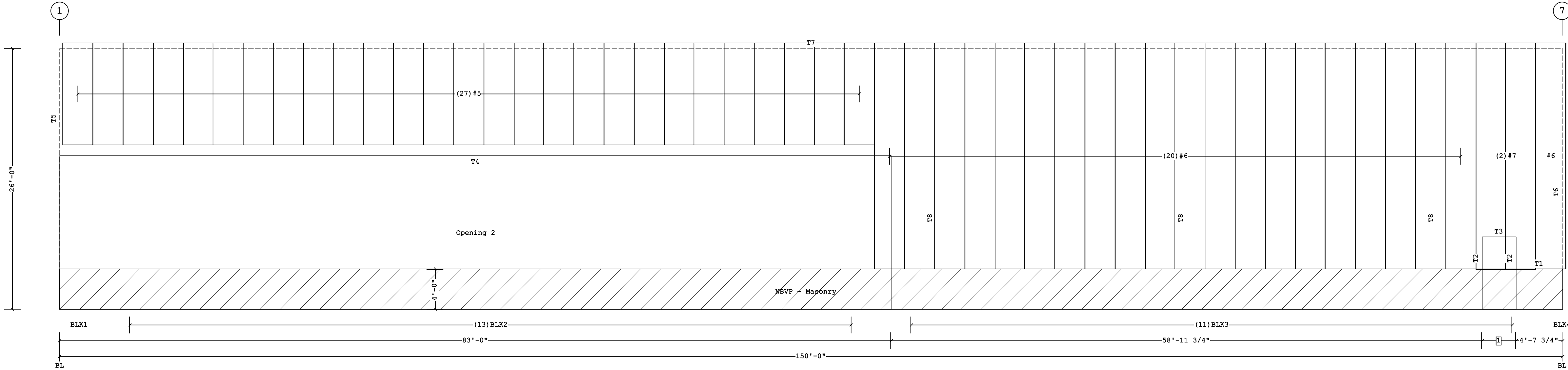
Trim Schedule	
Id	Parts
T1	(0.2)BA125,BT10
T2	DFT05, JT05
T3	DFT05, HTS05
T4	(5)BWA0207, (5)BWC20, (9)BWT110, (8)LTA10, LTA05, (9)SWRTA1
T5	(1.5)AFT12,CTE12
T6	AFT12, AFT10, (2)ICE10, ICE05
T7	(7)EG201,EG121, (15)GRA10, (15)PCA10A, (76.9)STR4
T8	5CE75, (3)CP510, DN1, (6)DST1

Color	Details
Cool Dark Bronze	EN52B1, ENV007, RC00A1, WC01AB, WC04H1
Cool Dark Bronze	WC24B1
Cool Dark Bronze	WC24B2
Match Roof Color	RC03A2, RCV104, RCV105, RCV405, RCV420, RCV421, RCV422, RCV438, RCV457, RCV531, WC50B2
Match Wall Color	WC20B2
Match Wall Color	WC21B2
Cool Dark Bronze	RC03A2, RC32A1, RC38E2, RC61A6, RCV324, WC04H1, WC11F1
Match Wall Color	RC38P1

Insulation Schedule (Install in same direction as Covering)

Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment
BLK1	1	IC	12'-0"		6.00	PS	
BLK2	13	IC	12'-0"	12'-0"	6.00	PS	
BLK3	11	IC	27'-0"	27'-0"	6.00	PS	
BLK4	1	IC	27'-0"		6.00	PS	

Starter Width= 4'-0", Interm. Width= 4'-0", End Width= 4'-0"
Location =Outside Secondary Structural
Direction =Across Secondary Structural
Type:IC=Fiberglass Blanket
Facing:PS=Polypropylene Scrim Kraft, Standard Duty
Shape Name = Garage-MaintBays, Wall = 1



1 3'-4 1/2"
☐ Dimension Key

Fastener Schedule

Part	Description
Roof Stitch 7/8 SS(T-1)	1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE's AND/OR FASTENERS TO STRUCTURAL BEAMS
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D	VP Buildings			
	3200 Players Club Circle Memphis TN 38125			
	REV	DATE	BY	DESCRIPTION
NTS				
10/18/2019		15:07:54		

COVERING ELEVATION AT G			
BUILDER	SDE Construction, Inc.		<div><p>VP BUILDINGS VARCO PRUDEN</p><p>A BlueScope Steel Company VPC VERSION: 2019.2</p><p>a division of BlueScope Buildings North America, Inc.</p></div>
CUSTOMER	Muhlenberg Public Works		
LOCATION	Temple, Pennsylvania		
PROJECT	Muhlenberg Twp Public Works		
BUILDERS PO#			
FILENAME:	09-03-19--MPW from VP - Copy		<div><p>JOBNO</p><p>DATE 5/1/2019</p><p>DRAWN/CHECK VPC ---</p><p>PAGE 44</p></div>



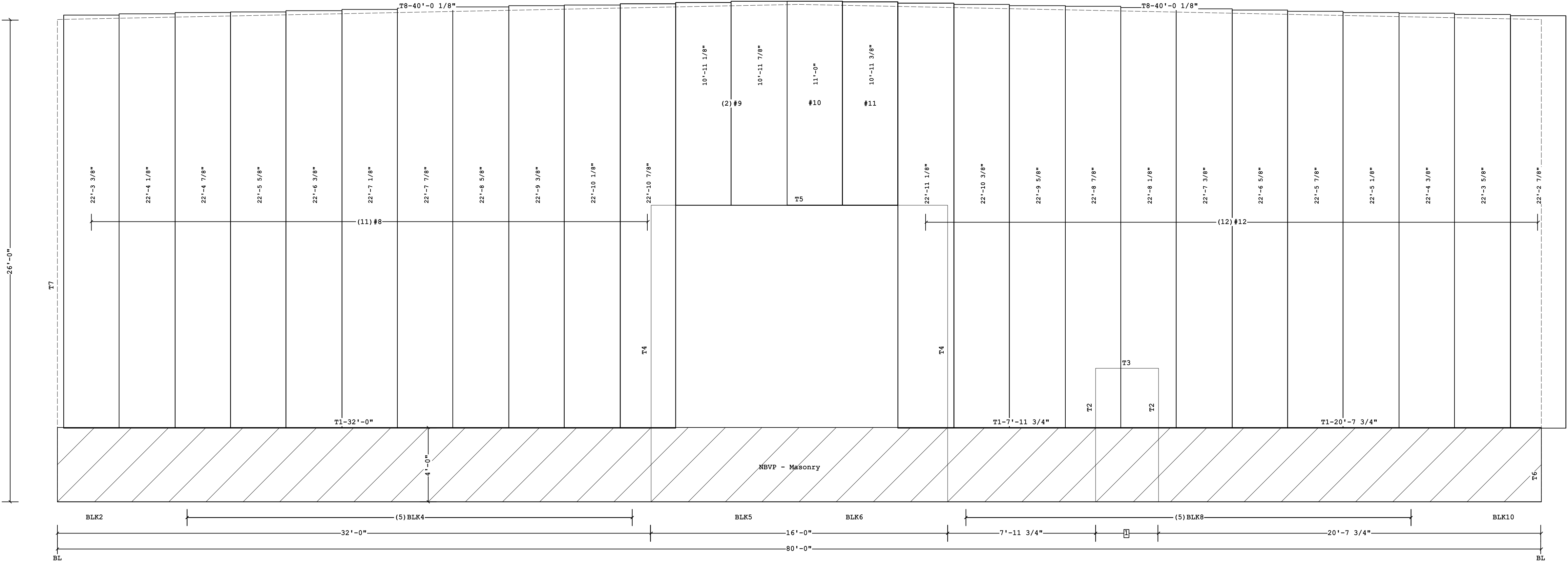
JOBNO	
DATE	5/1/2019
DRAWN/CHECK	VPC ---
PAGE	44

Covering Schedule									
Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction
#8	11	VR	22'-3 3/8"	26	1	K	TD	3/4"	Left to Right
#9	2	VR	10'-11 1/8"	26	1	K	TD	3/4"	Left to Right
#10	1	VR	11'-0"	26	1	K	TD		Left to Right
#11	1	VR	10'-11 3/8"	26	1	K	TD		Left to Right
#12	12	VR	22'-11 1/8"	26	1	K	TD	-3/4"	Left to Right
Oper. Code:1=SQ,SQ									
Finish:K=KXL (Kynar)									
Color:TD=Standard Color									

Trim Schedule	
Id	Parts
T1	(2.4)BA125, (7)BT10
T2	DFT05, JT05
T3	DFT05, HTS05
T4	DFT12, JT12
T5	DFT12, DFT05, HTS14, HTS03
T6	AFT05, ATE05
T7	(1.5)AFT12, (1.5)AFT10, CTE12, CTE10
T8	(9)RFR10-130, (4)RKF20, RKF10, (9)RSC10

Color	Details
Cool Dark Bronze	EN52B1, ENV007, RC00A1, WC01AB, WC04H1
Cool Dark Bronze	WC24B1
Cool Dark Bronze	WC24B2
Cool Dark Bronze	WC24B1
Cool Dark Bronze	WC24B2
Match Wall Color	WC81B6
Match Wall Color	WC20B2
Cool Dark Bronze	RC30A1, RCV403, RCV435, RSV010

Insulation Schedule (Install in same direction as Covering)							
Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment
BLK1	1	IC	4'-0"		6.00	PS	
BLK2	1	IC	23'-6"		6.00	PS	
BLK3	5	IC	4'-0"	4'-0"	6.00	PS	
BLK4	5	IC	23'-6"	24'-0"	6.00	PS	1 1/2"
BLK5	1	IC	12'-0"		6.00	PS	
BLK6	1	IC	12'-0"		6.00	PS	
BLK7	5	IC	24'-0"	23'-6"	6.00	PS	1 1/2"
BLK8	5	IC	4'-0"	4'-0"	6.00	PS	
BLK9	1	IC	4'-0"		6.00	PS	
BLK10	1	IC	23'-6"		6.00	PS	
Starter Width= 4'-0", Interm. Width= 4'-0", End Width= 4'-0"							
Location =Outside Secondary Structural							
Direction =Across Secondary Structural							
Type:IC=Fiberglass Blanket							
Facing:PS=Polypropylene Scrim Kraft, Standard Duty							
Shape Name = Garage-MaintBays, Wall = 2							



Fastener Schedule	
Part	Description
Roof Stitch 7/8 SS(T-1) 1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer	

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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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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D	VP Buildings		
	3200 Players Club Circle Memphis TN 38125		
REV	DATE	BY	DESCRIPTION
NTS			
10/18/2019 15:07:55			

COVERING ELEVATION AT 1

BUILDER	SDE Construction, Inc.
CUSTOMER	Muhlenberg Public Works
LOCATION	Temple, Pennsylvania
PROJECT	Muhlenberg Twp Public Works
BUILDERS PO#	



JOBNO	
DATE	5/1/2019
DRAWN/CHECK	VPC ---
PAGE	45

FILENAME: 09-03-19--MPW from VP - Copy

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Trim Schedule			
ID	Parts	Color	Details
T1	(8.5)BA125, (22)BT10	Cool Dark Bronze	EN52B1,ENVN007,RC00A1,WC01AB,WC04H1
T2	DFT05, JT05	Cool Dark Bronze	WC24B1
T3	DFT05, HTS05	Cool Dark Bronze	WC24B2
T4	TDFH05	Cool Dark Bronze	WC24B4
T5	(1.5)AFT12, (1.5)AFT10, CTE12, CTE10	Match Wall Color	WC20B2
T6	(11)EG201, (22)GRA10, (22)PCA10A, (112.4)STR4	Cool Dark Bronze	RC03A2, RC32A1, RC38E2, RC61A6, RCV324, WC04H1, WC11F1
T7	SCE75, (3)CP510, DN1, (6)DST1	Match Wall Color	RC38F1

Architectural drawing of a wall section. The drawing shows a cross-section of a wall with various components and dimensions. The wall is divided into sections by vertical lines. The top of the wall is labeled "10" and "1". The bottom of the wall is labeled "BLK2", "BLK4", and "BLK". The wall is divided into sections by vertical lines. The top of the wall is labeled "10" and "1". The bottom of the wall is labeled "BLK2", "BLK4", and "BLK". The wall is divided into sections by vertical lines. The top of the wall is labeled "10" and "1". The bottom of the wall is labeled "BLK2", "BLK4", and "BLK".

1 3'-4 1/2"
☐ Dimension Key

FOR REFERENCE ONLY

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BUILDER	SDE Construction, Inc.
CUSTOMER	Muhlenberg Public Works
LOCATION	Temple, Pennsylvania
PROJECT	Muhlenberg Twp Public Works



JOBNO
DATE 5/1/2019
DRAWN/CHECK VPC ---
PAGE 46

Shape Name = Garage-MaintBays, Wall = 3

10/18/2019 15:07:56

FILENAME: 09-03-19--MPW from VP - Copy

a division of BlueScope Buildings North America, Inc.

Covering Schedule										
Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction	
#14	1	VR	20'-11 7/8"	26	1	K	TD		Left to Right	
#15	5	VR	9'-0 1/8"	26	1	K	TD	3/4"	Left to Right	
#16	2	VR	21'-4 3/8"	26	1	K	TD	3/4"	Left to Right	
#17	5	VR	9'-5 3/8"	26	1	K	TD	3/4"	Left to Right	
#18	2	VR	21'-9 5/8"	26	1	K	TD	3/4"	Left to Right	
#19	4	VR	9'-10 5/8"	26	1	K	TD	3/4"	Left to Right	
#20	13	VR	22'-2 1/8"	26	1	K	TD	3/4"	Left to Right	
#21	1	VR	10'-11 3/8"	26	1	K	TD		Left to Right	
#22	1	VR	11'-0"	26	1	K	TD		Left to Right	
#23	2	VR	10'-11 7/8"	26	1	K	TD	-3/4"	Left to Right	
#24	11	VR	22'-10 7/8"	26	1	K	TD	-3/4"	Left to Right	

Insulation Schedule (Install in same direction as Covering)										
Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment			
BLK1	1	IC	22'-0"		6.00	PS				
BLK2	1	IC	4'-0"		6.00	PS				
BLK3	2	IC	10'-0"	10'-6"	6.00	PS	1 1/2"			
BLK4	2	IC	4'-0"	4'-0"	6.00	PS				
BLK5	2	IC	22'-6"	22'-6"	6.00	PS	1 1/2"			
BLK6	1	IC	10'-6"		6.00	PS				
BLK7	2	IC	23'-0"	23'-0"	6.00	PS	1 1/2"			
BLK8	2	IC	4'-0"	4'-0"	6.00	PS				
BLK9	2	IC	11'-0"	11'-0"	6.00	PS	1 1/2"			
BLK10	6	IC	23'-6"	24'-0"	6.00	PS	1 1/2"			
BLK11	6	IC	4'-0"	4'-0"	6.00	PS				
BLK12	1	IC	12'-0"		6.00	PS				
BLK13	1	IC	12'-0"		6.00	PS				
BLK14	6	IC	4'-0"	4'-0"	6.00	PS				
BLK15	6	IC	24'-0"	23'-6"	6.00	PS	1 1/2"			

Starter Width= 4'-0", Interm. Width= 4'-0", End Width= 4'-0"

Location =Outside Secondary Structural

Direction =Across Secondary Structural

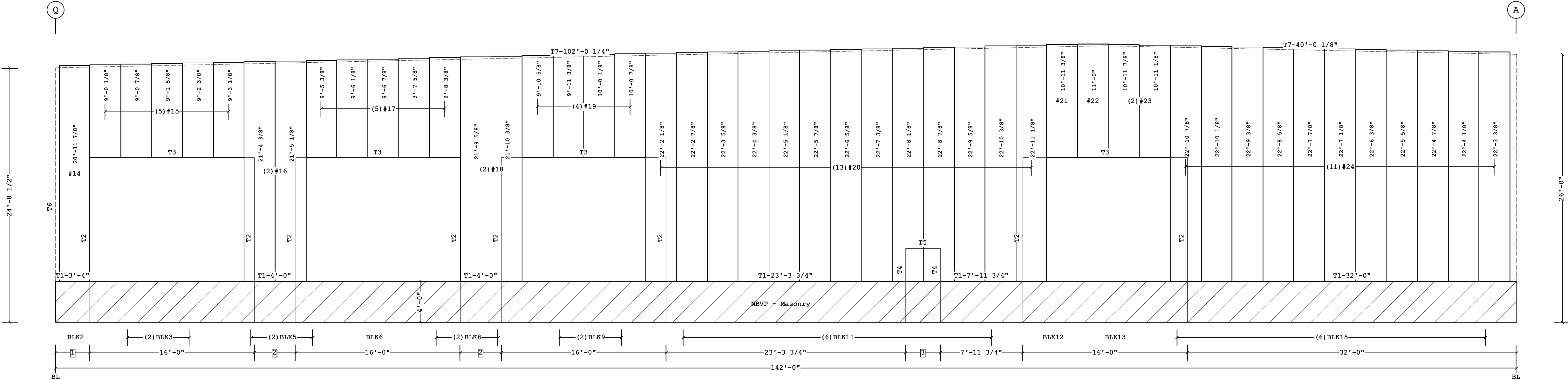
Type:IC=Fiberglass Blanket

Facing:PS=Polypropylene Scrim Kraft, Standard Duty

Shape Name = Garage-MaintBays, Wall = 4

Trim Schedule	
Id	Parts
T1	(3)BA125, (8)BT10
T2	DFT12, JT12
T3	DFT12, DFT05, HTS14, HTS03
T4	DFT05, JT05
T5	DFT05, HTS05
T6	(1.5)AFT16, (1.5)AFT05, CTE16, CTE05
T7	(15)RFR10-130, (7)RKF20, RKF10, (15)RSC10

Color	Details
Cool Dark Bronze	EN52B1, ENV007, RC00A1, WC01AB, WC04H1
Cool Dark Bronze	WC24B1
Cool Dark Bronze	WC24B2
Cool Dark Bronze	WC24B1
Cool Dark Bronze	WC24B2
Match Wall Color	WC20B2
Cool Dark Bronze	RC30A1, RCV403, RCV435, RSV010



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

Fastener Schedule	
Part	Description
Roof Stitch 7/8 SS(T-1)	1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

FOR REFERENCE ONLY

Shape Name = Garage-MaintBays, Wall = 4

<div>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</div> <div>2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.</div> <div>3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.</div> <div>4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.</div> <div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	COVERING ELEVATION AT 10								
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.	<div><div><div>VP</div><div>VP BUILDINGS</div><div>VARCO PRUDEN</div></div><div>A BlueScope Steel Company vpc VERSION: 2019.2</div></div>	JOBNO	
								CUSTOMER	Muhlenberg Public Works		DATE	5/1/2019
								LOCATION	Temple, Pennsylvania		DRAWN/CHECK	VPC ---
								PROJECT	Muhlenberg Twp Public Works		PAGE	47
							BUILDERS PO#					
							NTS					



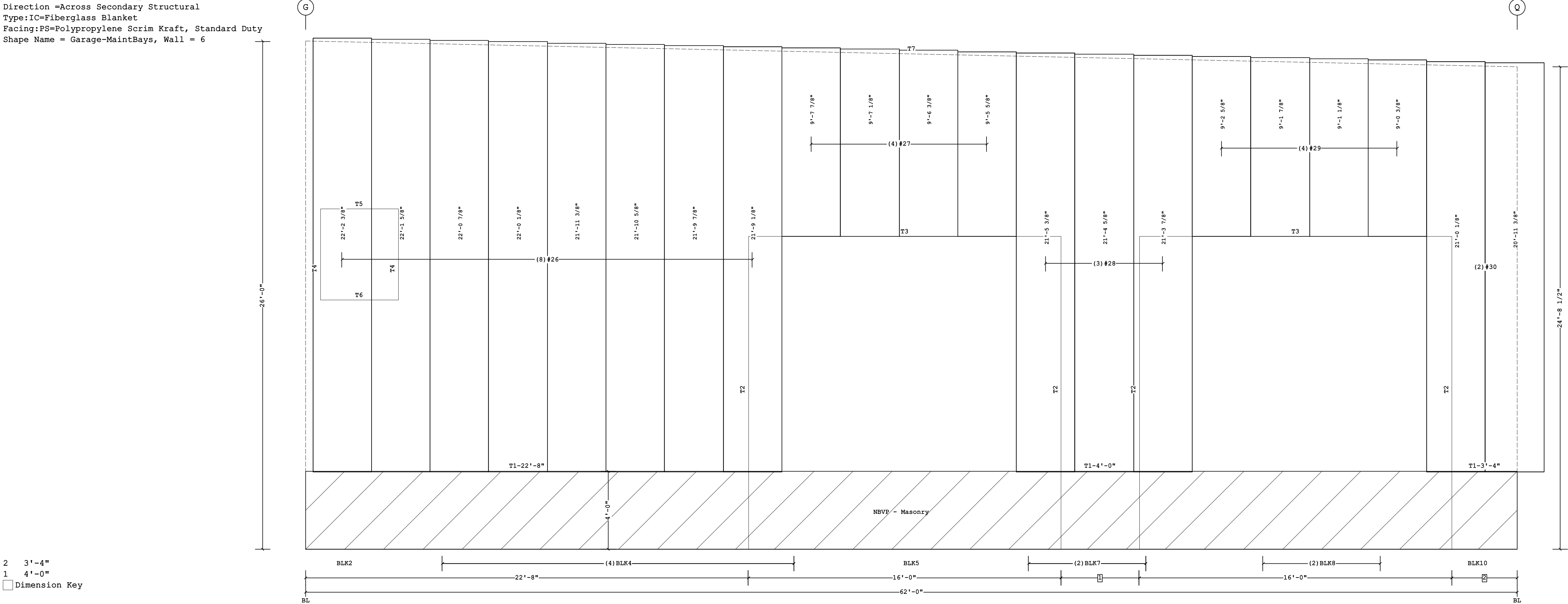
JOBNO	
DATE	5/1/2019
DRAWN/CHECK	VPC ---
PAGE	47

Covering Schedule										
Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction	
#26	8	VR	22'-2 3/8"	26	1	K	TD	-3/4"	Left	to Right
#27	4	VR	9'-7 7/8"	26	1	K	TD	-3/4"	Left	to Right
#28	3	VR	21'-5 3/8"	26	1	K	TD	-3/4"	Left	to Right
#29	4	VR	9'-2 5/8"	26	1	K	TD	-3/4"	Left	to Right
#30	2	VR	21'-0 1/8"	26	1	K	TD	-3/4"	Left	to Right
Oper. Code:l=SQ,SQ										
Finish:K=KKL (Kynar)										
Color:TD=Standard Color										

Trim Schedule	
Id	Parts
T1	(1.2)BA125, (3)BT10
T2	DFT12, JT12
T3	DFT12, DFT05, HTS14, HTS03
T4	DFT05, JT05
T5	DFT05, HTS05
T6	TDFH05
T7	(7)RFR10-130, (4)RKF16, (7)RSC10

Color	Details
Cool Dark Bronze	EN52B1, ENV007, RC00A1, WC01AB, WC04H1
Cool Dark Bronze	WC24B1
Cool Dark Bronze	WC24B2
Cool Dark Bronze	WC24B1
Cool Dark Bronze	WC24B2
Cool Dark Bronze	WC24B4
Cool Dark Bronze	RC30A1, RCV403, RCV435, RSV010


Insulation Schedule (Install in same direction as Covering)							
Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment
BLK1	1	IC	4'-0"		6.00	PS	
BLK2	1	IC	23'-0"		6.00	PS	
BLK3	4	IC	4'-0"	4'-0"	6.00	PS	
BLK4	4	IC	23'-0"	23'-0"	6.00	PS	1 1/2"
BLK5	1	IC	10'-6"		6.00	PS	
BLK6	2	IC	4'-0"	4'-0"	6.00	PS	
BLK7	2	IC	22'-6"	22'-6"	6.00	PS	1 1/2"
BLK8	2	IC	10'-6"	10'-0"	6.00	PS	1 1/2"
BLK9	1	IC	4'-0"		6.00	PS	
BLK10	1	IC	22'-0"		6.00	PS	
Starter Width= 4'-0", Interm. Width= 4'-0", End Width= 4'-0"							
Location =Outside Secondary Structural							
Direction =Across Secondary Structural							
Type:IC=Fiberglass Blanket							
Facing:PS=Polypropylene Scrim Kraft, Standard Duty							
Shape Name = Garage-MaintBays, Wall = 6							



Fastener Schedule	
Part	Description
Roof Stitch 7/8 SS(T-1)	1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

COVERING ELEVATION AT 7

Shape Name = Garage-MaintBays, Wall = 6

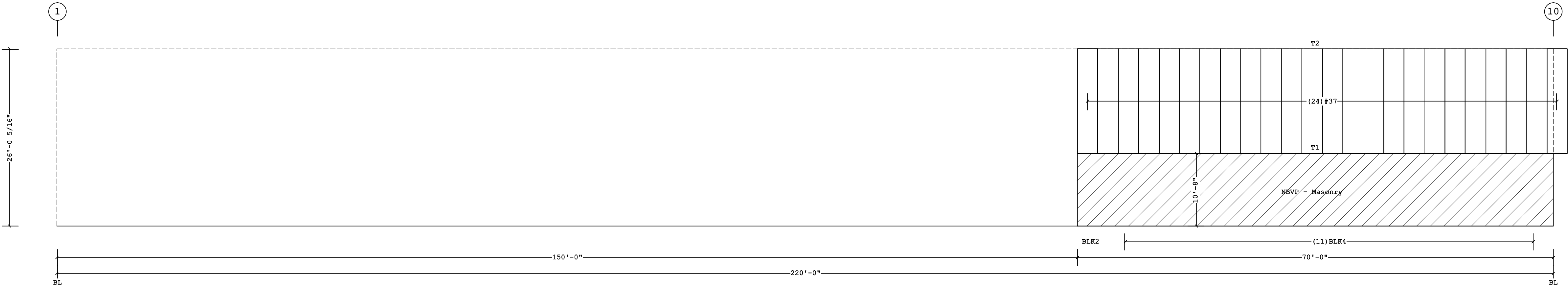
1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS 2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED. 3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS. 4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENERS SPECIFICATION. NOT FOR CONSTRUCTION FOR REFERENCE ONLY	THE VP ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF VP AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY VP. THE VP ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY VP EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY VP.	THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF VP BUILDINGS. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF VP BUILDINGS. THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE VP BUILDINGS ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.	D	VP Buildings 3200 Players Club Circle Memphis TN 38125		COVERING ELEVATION AT 7						
				REV	DATE	BY	DESCRIPTION	BUILDER	SDE Construction, Inc.		 A BlueScope Steel Company VPC VERSION: 2019.2	JOBNO DATE 5/1/2019 DRAWN/CHECK VPC --- PAGE 49
								CUSTOMER	Muhlenberg Public Works			
								LOCATION	Temple, Pennsylvania			
								PROJECT	Muhlenberg Twp Public Works			
								BUILDERS PO#				
								NTS				

Covering Schedule								
Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Direction
#37	24	PR	15'-4 1/4"	26	1	K	TD	Left to Right
Oper. Code:1=SQ,SQ								
Finish:K=KKL (Kynar)								
Color:TD=Standard Color								

Trim Schedule	
Id	Parts
T1	(2.8)BA125
T2	(7)PCA10A

Color			Details
Match	Wall	Color	EN52A1,ENV003,RC00A1,WC01AD,WC04G1
Match	Wall	Color	WC11F1,WC11F4

Insulation Schedule (Install in same direction as Covering)							
Id	Qty	Type	Start Run	Last Run	Thick.	Facing	Increment
BLK1	1	IC	11'-0"		6.00	PS	
BLK2	1	IC	15'-6"		6.00	PS	
BLK3	11	IC	11'-0"	11'-0"	6.00	PS	
BLK4	11	IC	15'-6"	15'-6"	6.00	PS	
Starter Width= 4'-0", Interm. Width= 6'-0", End Width= 4'-0"							
Location =Outside Secondary Structural							
Direction =Across Secondary Structural							
Type:IC=Fiberglass Blanket							
Facing:PS=Polypropylene Scrim Kraft, Standard Duty							
Shape Name = Garage-MaintBays, Wall = 1							



COVERING ELEVATION AT F

Fastener Schedule	
Part	Description
0097597STD	(T-2) #17/#12-14 x 1 7/8" Stand-Off, 5/16" Hex Hd, SS Cap w/Washer
Roof Struct 1 1/2	(T-2) #12-14 x 1 1/2", 5/16" Hex Hd, SS Cap w/Washer
Roof Stitch 7/8 SS	(T-1) 1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

Shape Name = Garage-MaintBays, Wall = 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
- 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.

FOR REFERENCE ONLY

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D	VP Buildings		
	3200 Players Club Circle Memphis TN 38125		
	REV	DATE	BY
	DESCRIPTION		
NTS			
10/18/2019 15:08:01			

COVERING ELEVATION AT F

BUILDER	SDE Construction, Inc.
CUSTOMER	Muhlenberg Public Works
LOCATION	Temple, Pennsylvania
PROJECT	Muhlenberg Twp Public Works
BUILDERS PO#	

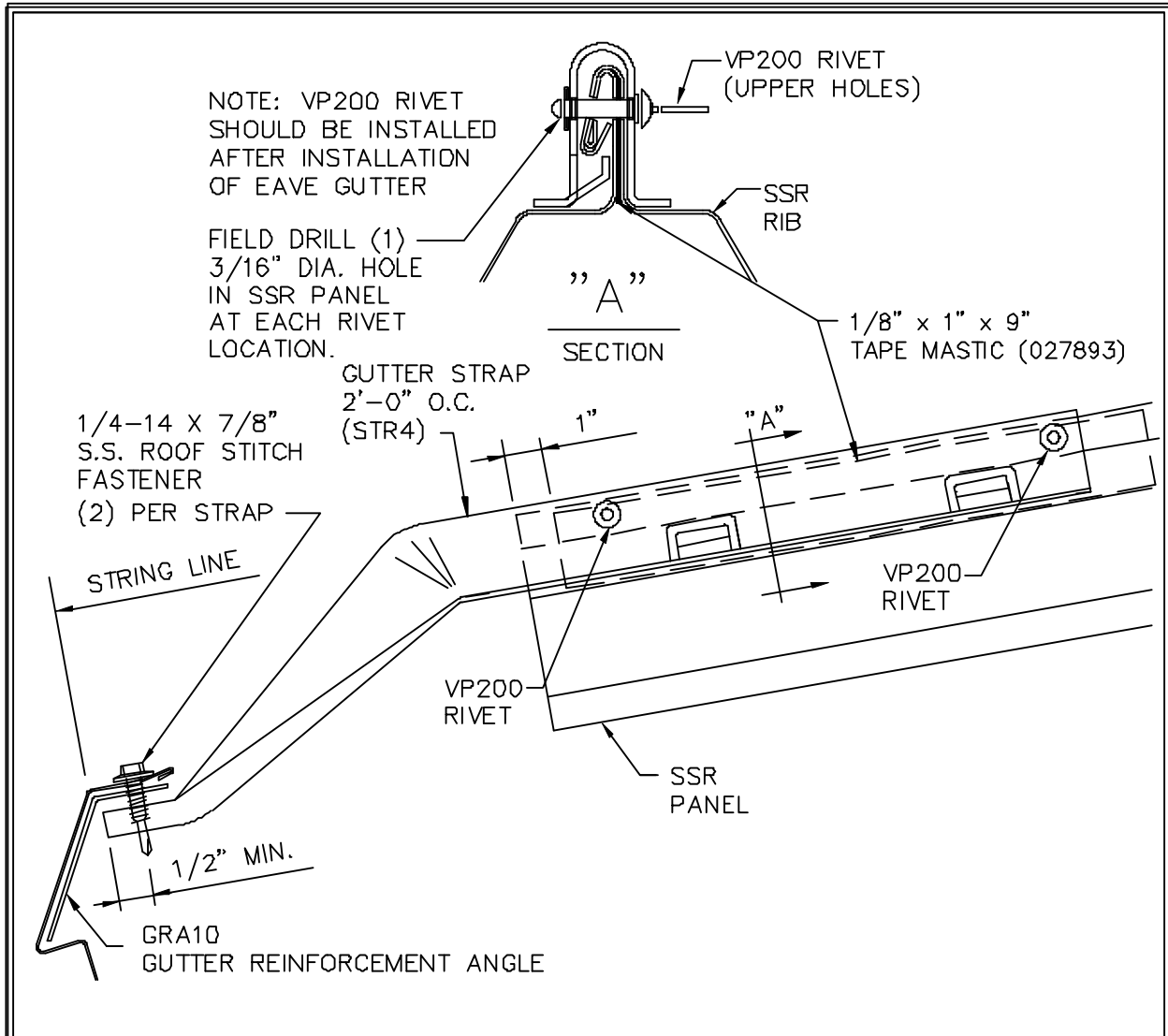


VP BUILDINGS
VARCO PRUDEN

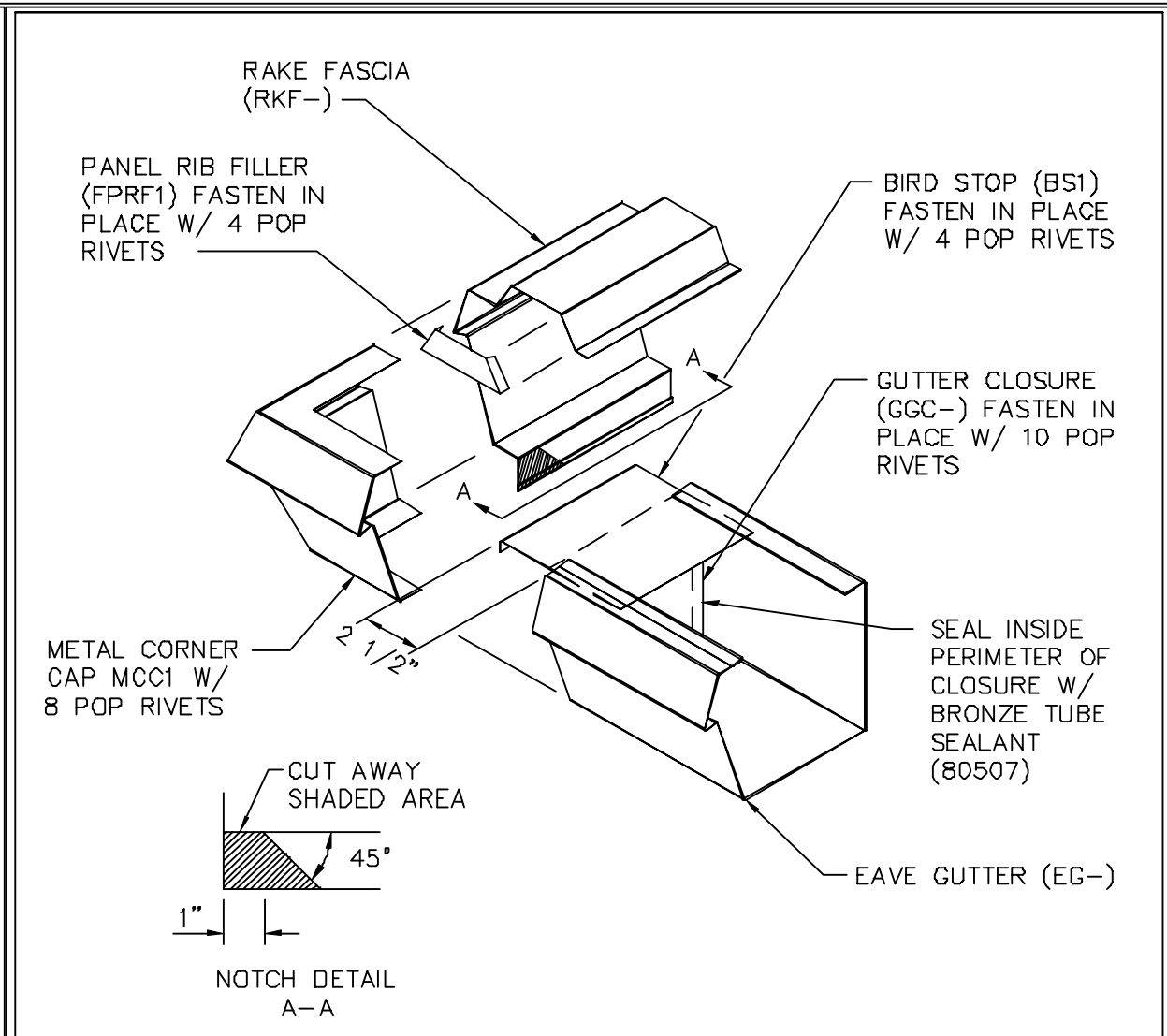
A BlueScope Steel Company
vpc VERSION: 2019.2

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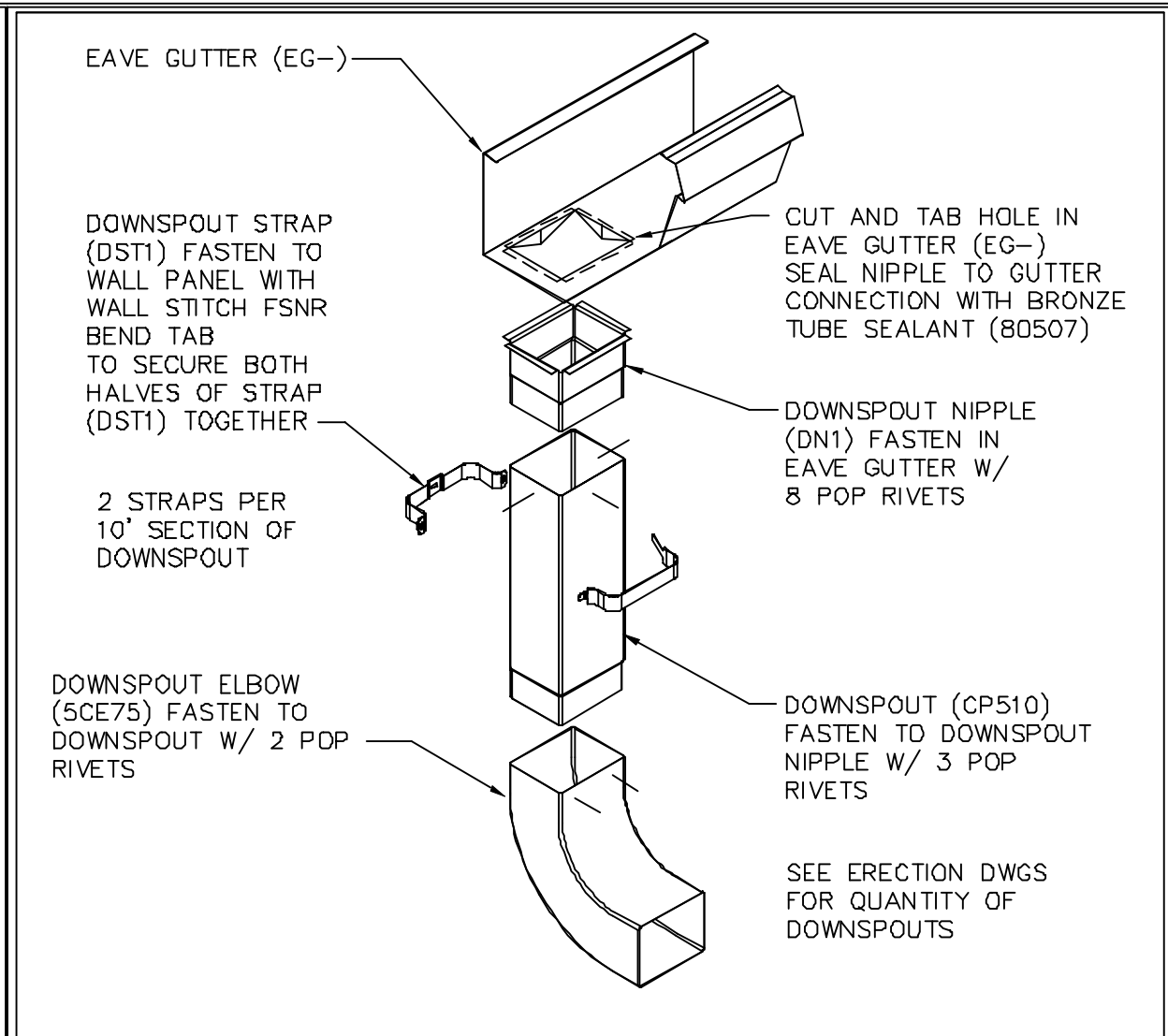
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DATE	5/1/2019
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PAGE	50



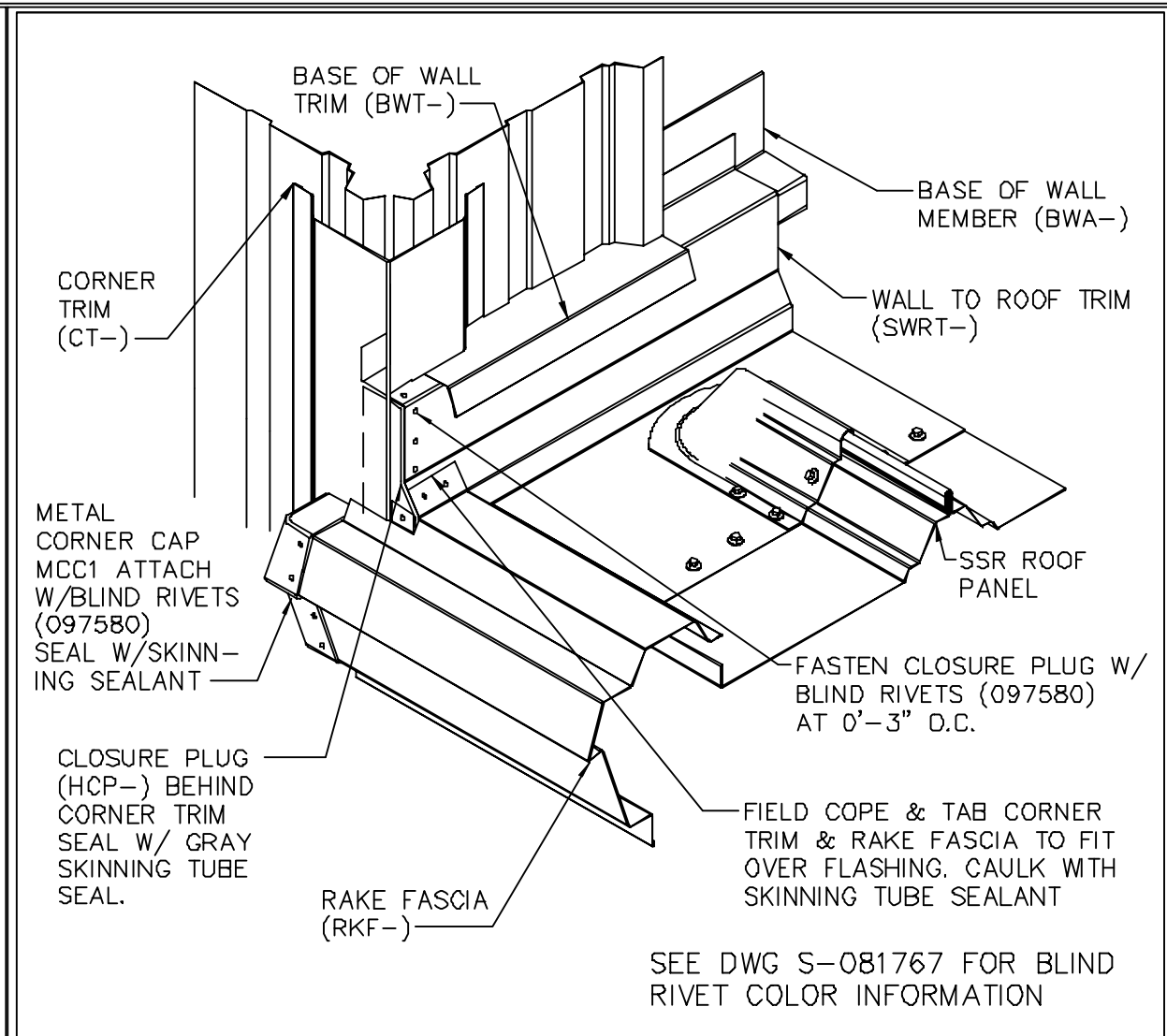
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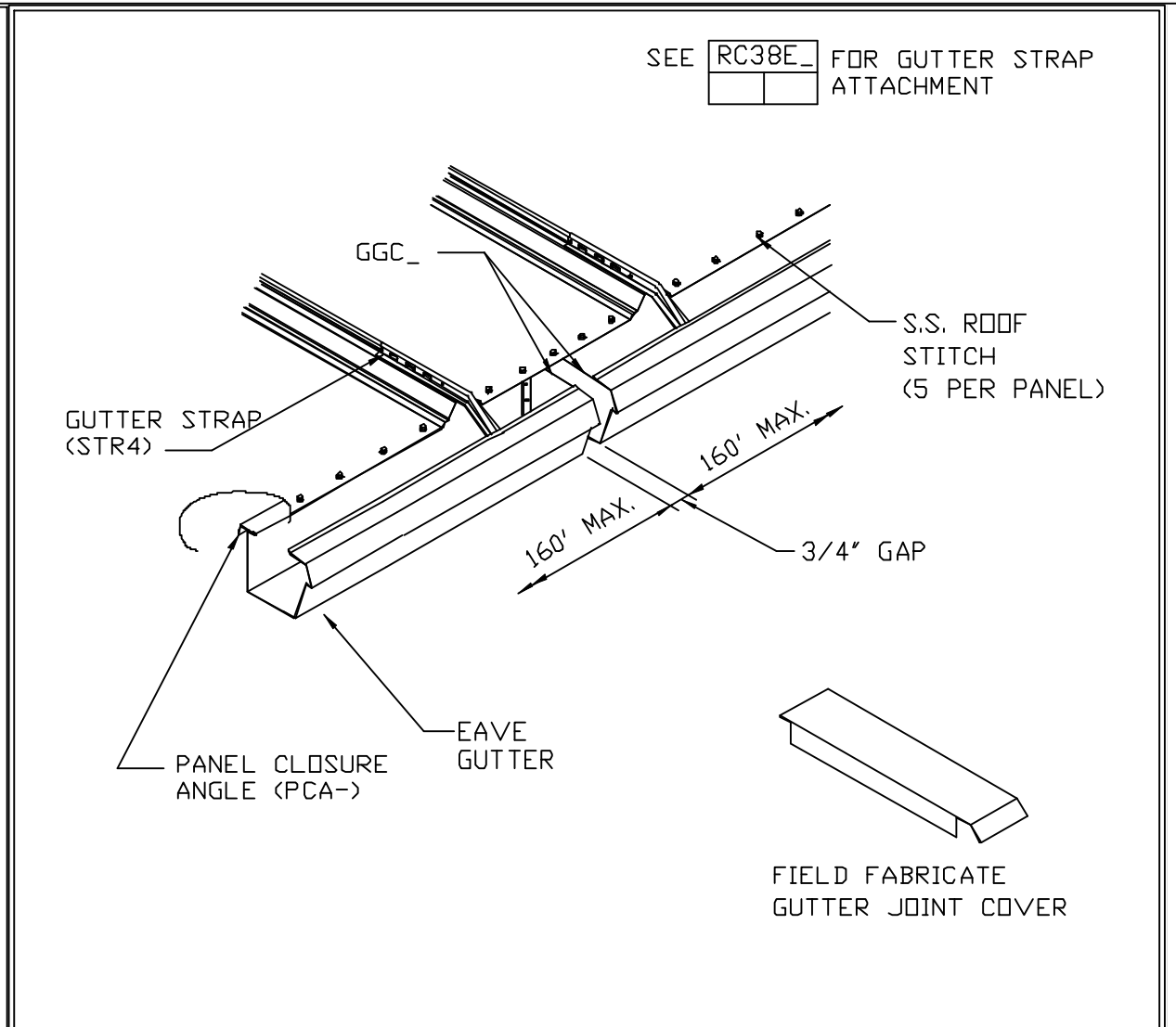
REV. DATE: 10/07/14 | REV. NO. 03 | RC38N1 | EAVE GUTTER CORNER ASSEMBLY | ALL SYSTEMS



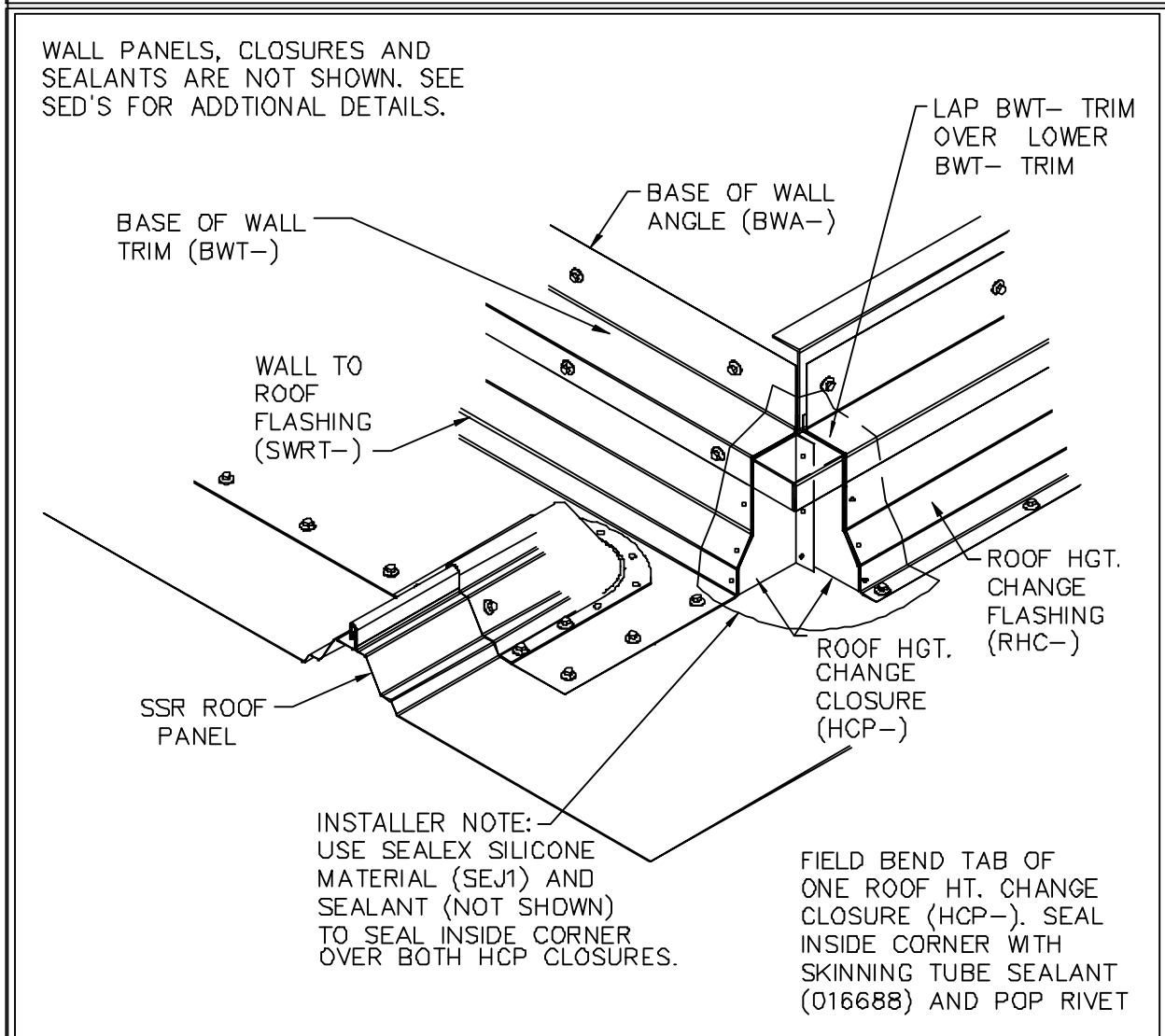
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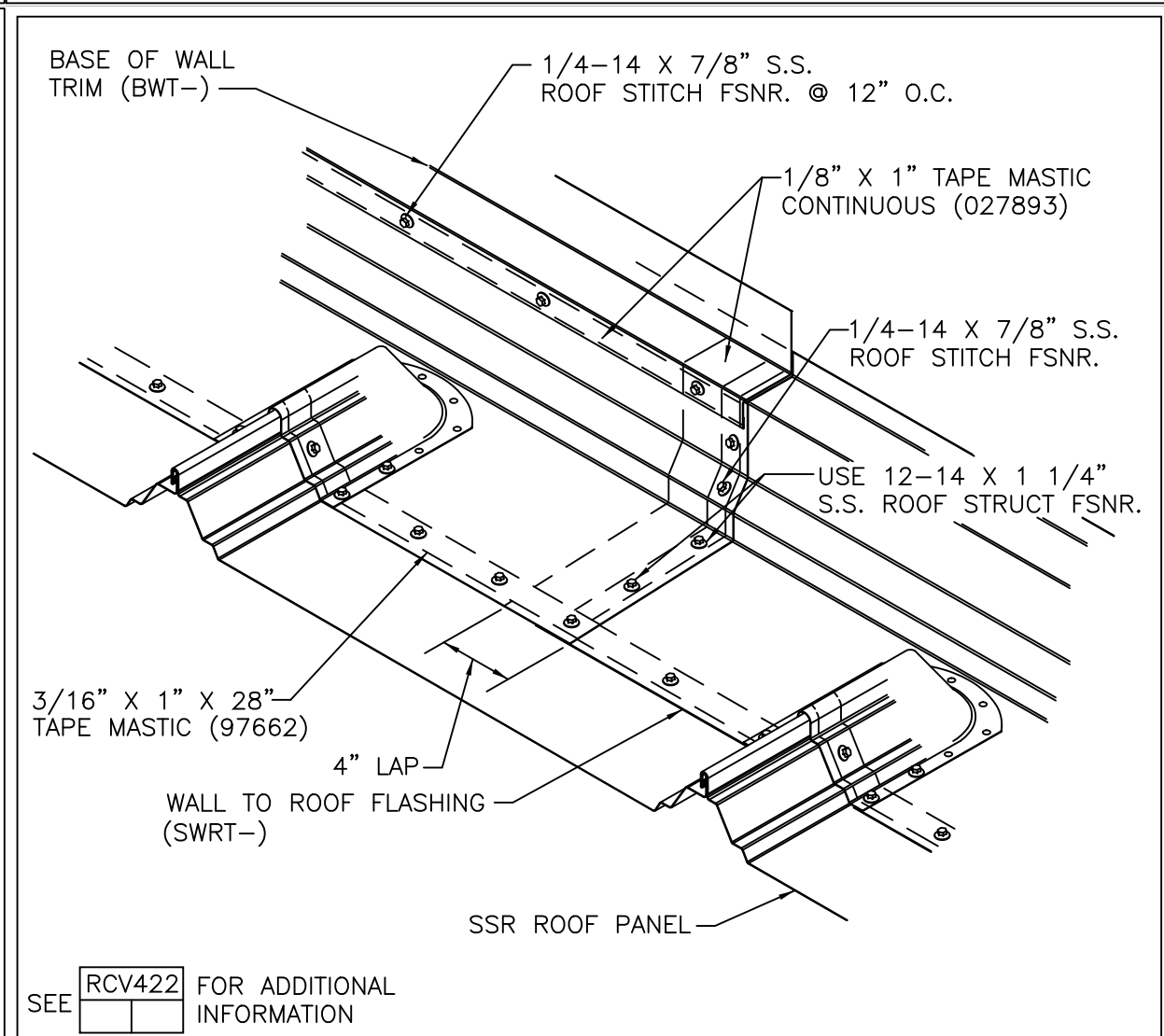
REV. DATE: 04/27/16 | REV. NO. 04 | RC50H3 | WALL TO ROOF TRANS. AT RAKE | METAL FLASHING (VIEWED FROM ROOF)



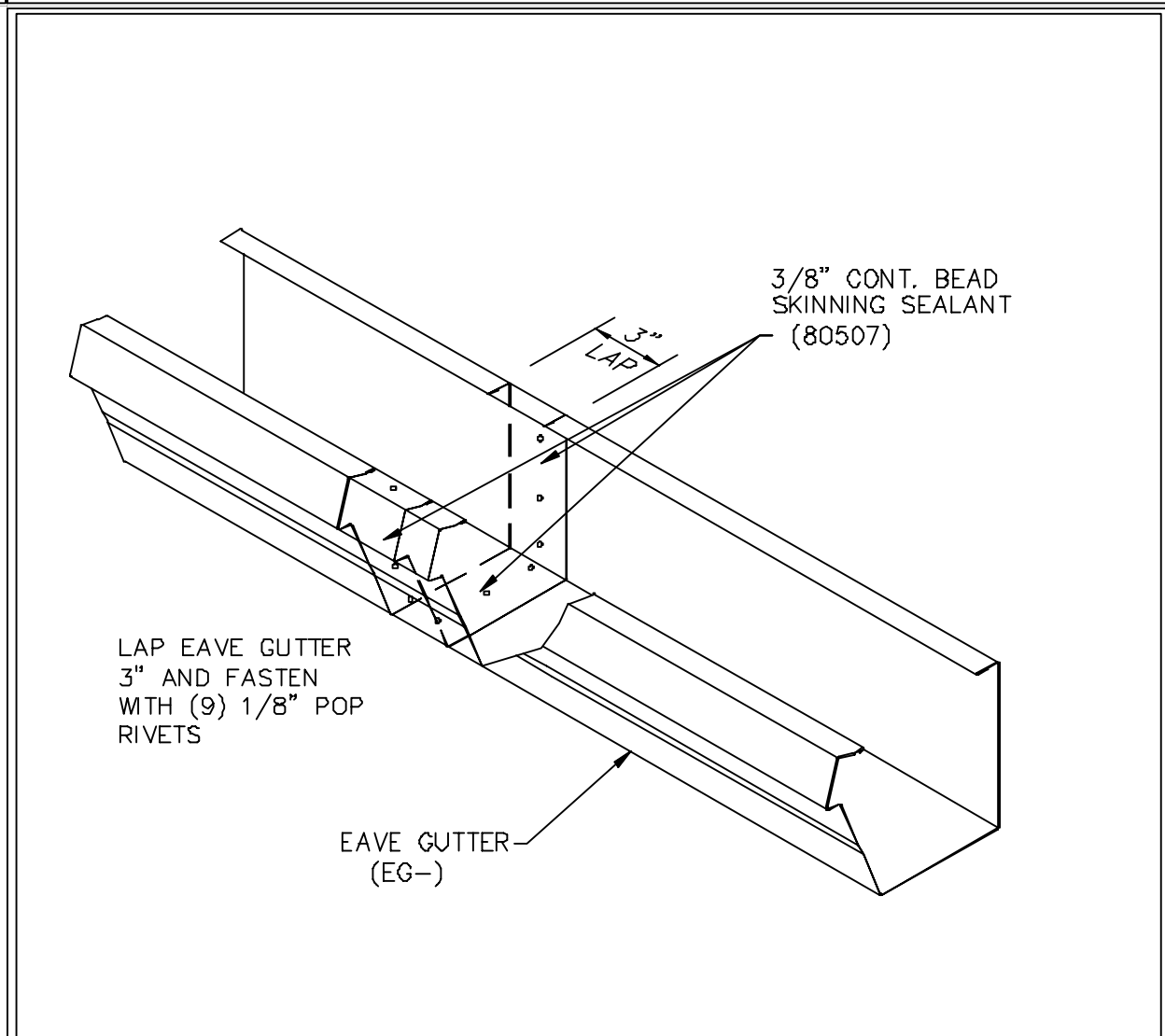
REV. DATE: 07/01/09 | REV. NO. 00 | RC61A6 | SSR EAVE GUTTER EXPANSION JOINT | FOR BUILDING OVER 160' IN LENGTH



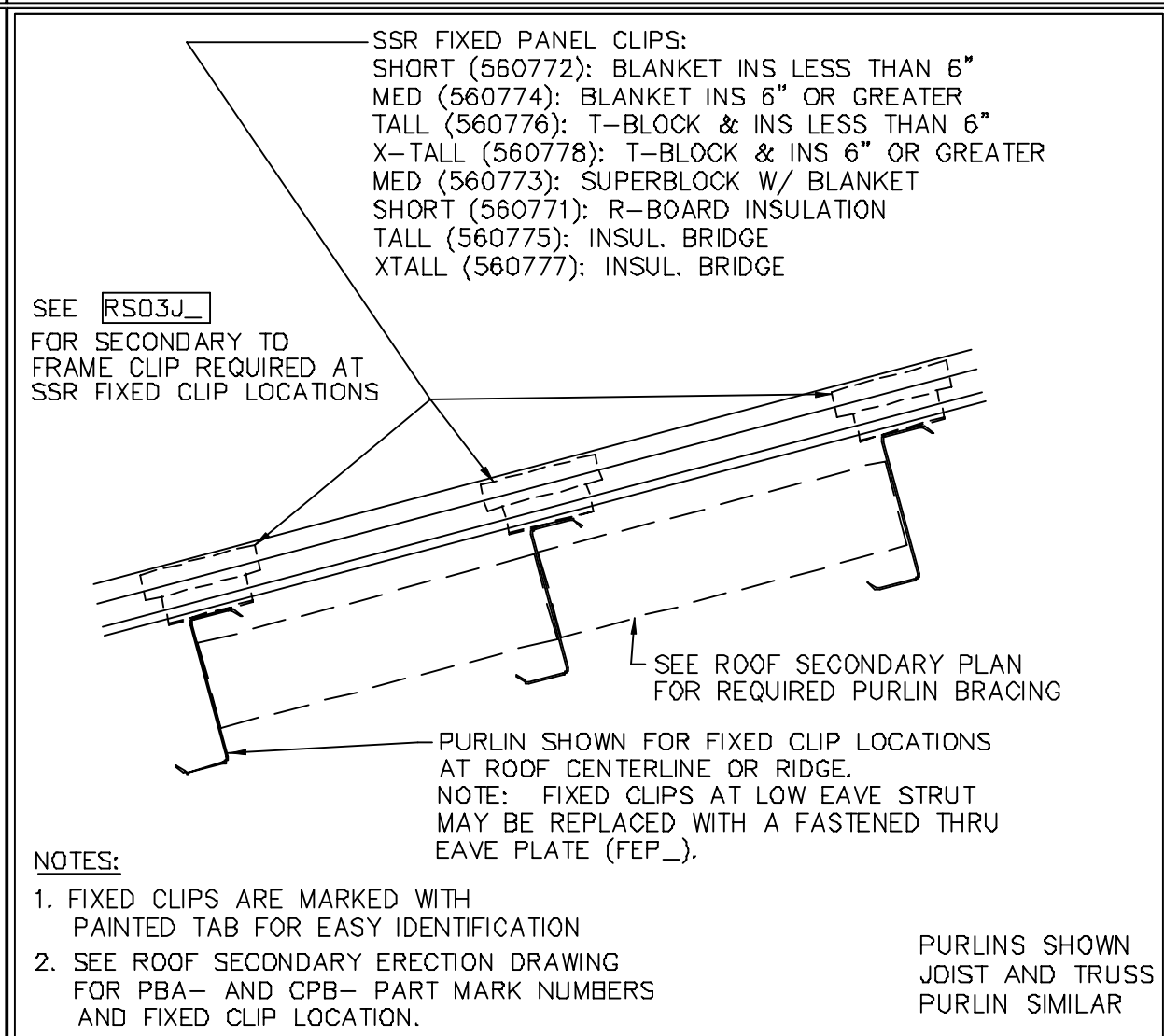
REV. DATE: 04/26/16 | REV. NO. 01 | RCV104 | ROOF STEP O.S. CORNER FLASHING | SSR ROOF METAL FLASHING



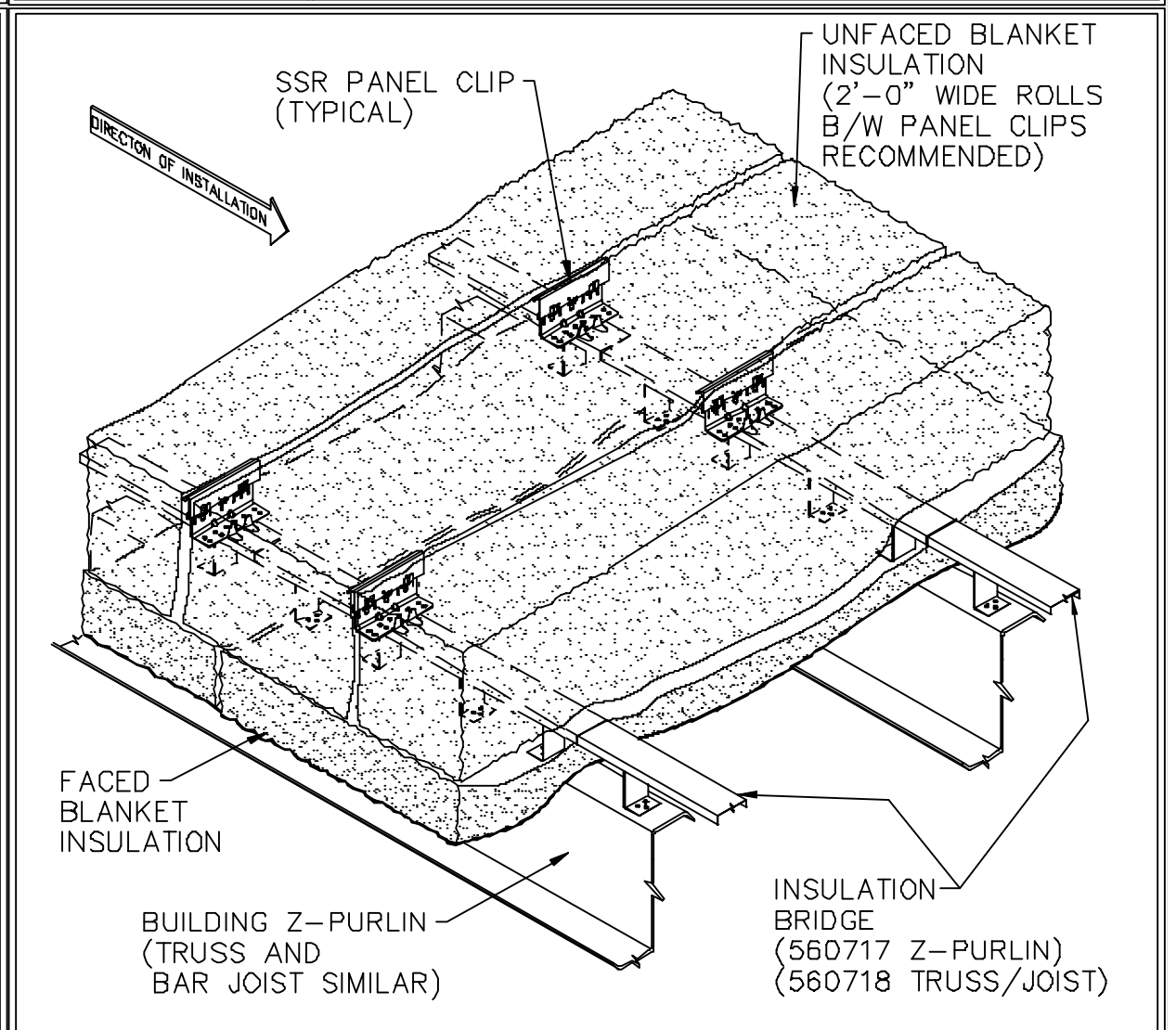
REV. DATE: 05/07/18 | REV. NO. 05 | RCV105 | WALL TO ROOF SPLICE | SSR ROOF METAL FLASHING



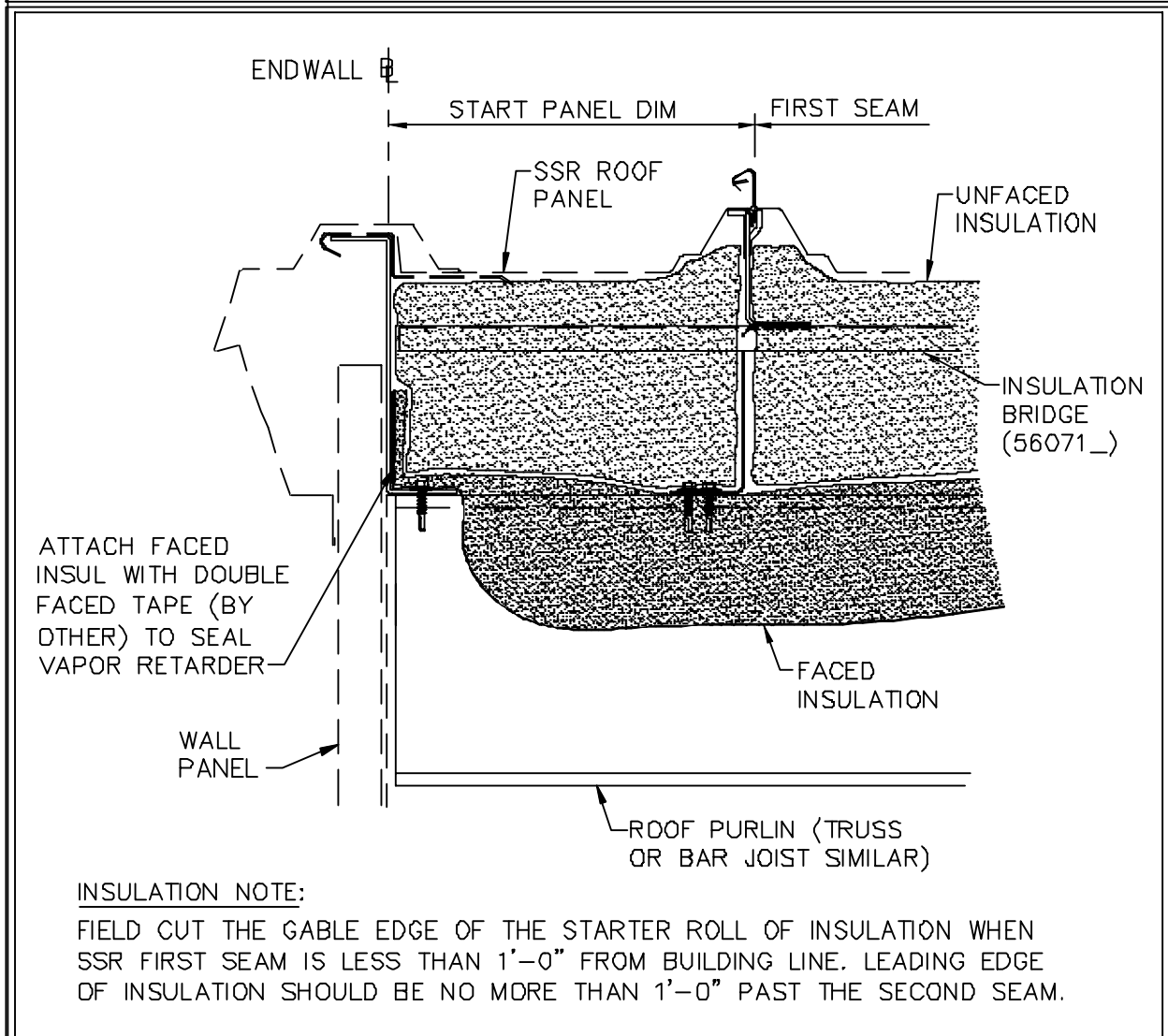
REV. DATE: 03/03/15 | REV. NO. 00 | RCV324 | TRIM SPLICES | EAVE GUTTER SPLICE



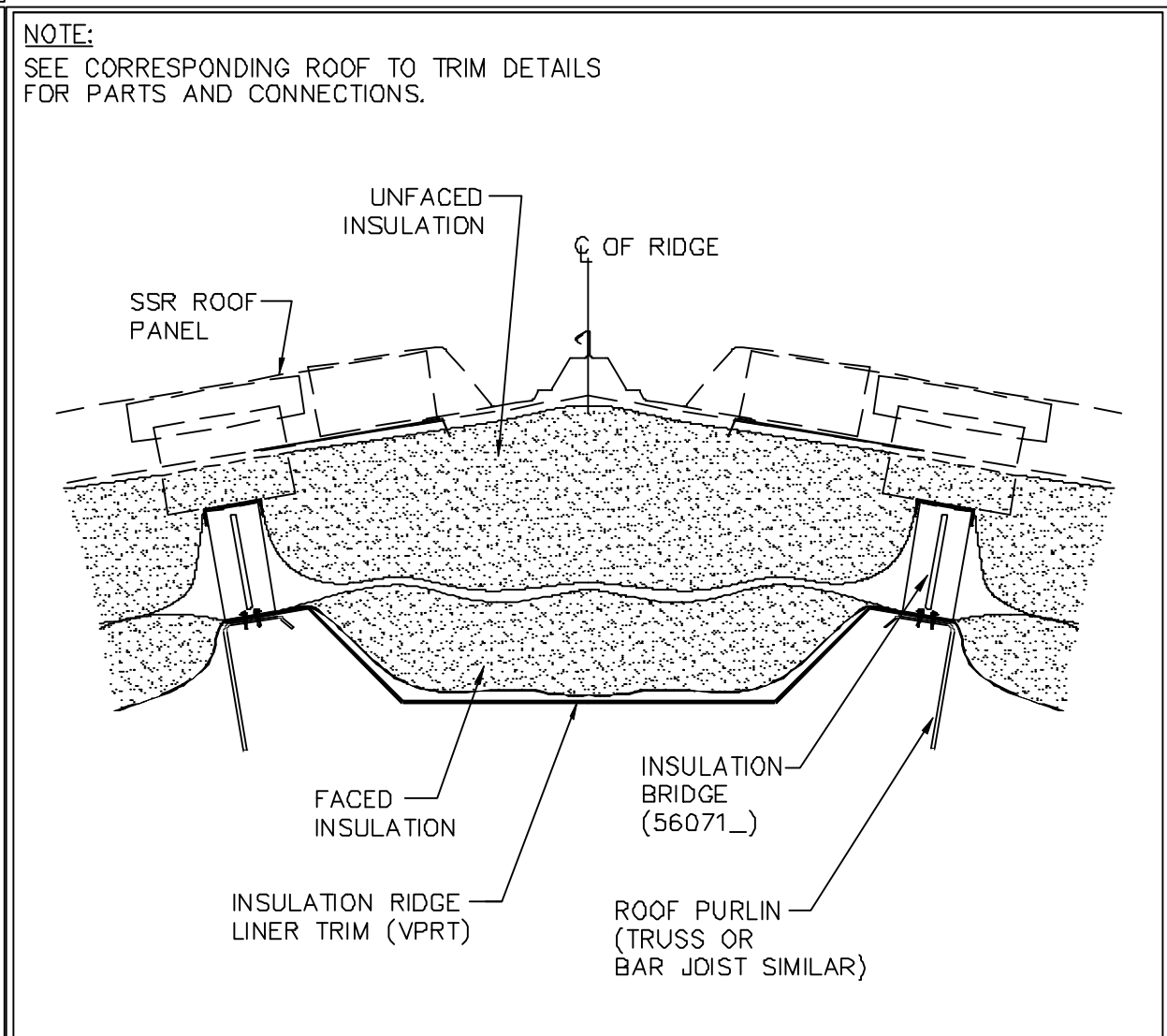
REV. DATE: 06/26/17 | REV. NO. 02 | RCV353 | SSR FIXED PANEL CLIP | BLANKET, T-BLOCK, S-BLOCK, R-BOARD, & BRIDGE



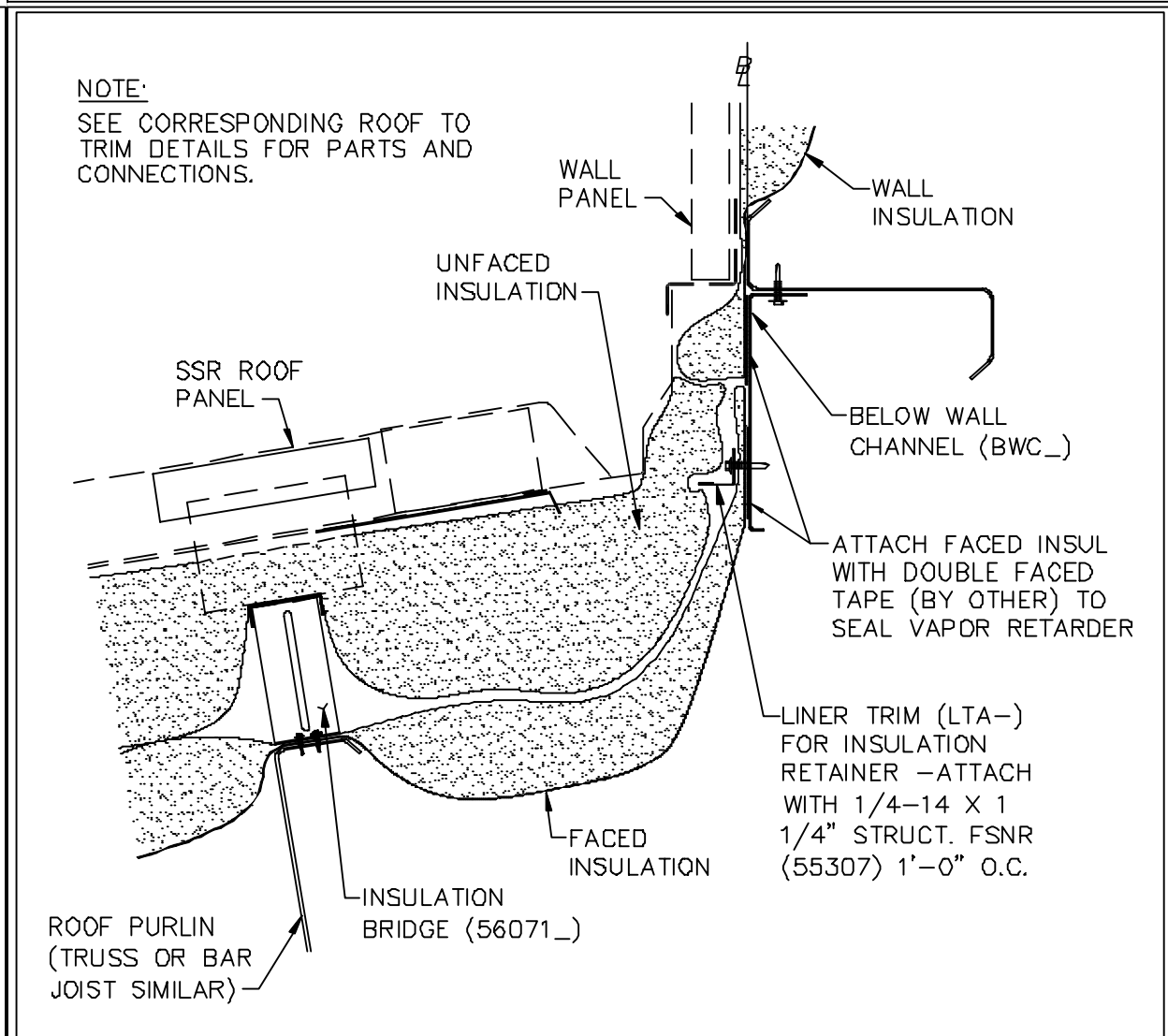
REV. DATE: 02/04/16 | REV. NO. 00 | RCV400 | INSULATION PLACEMENT | SSR ROOF W/ INSUL. BRIDGE



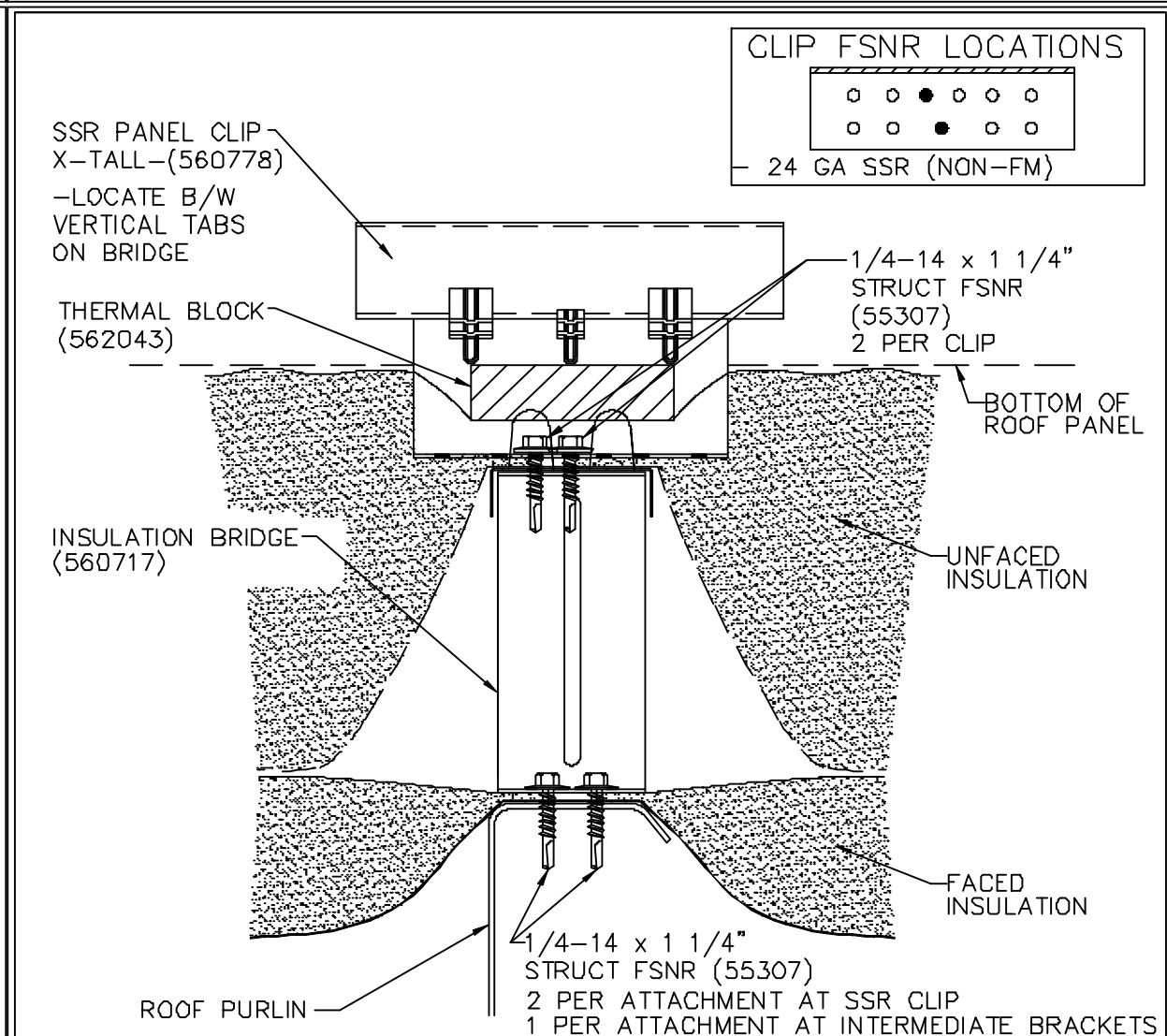
REV. DATE: 10/24/17 | REV. NO. 03 | RCV403 | INSULATION PLACEMENT | SSR ENDWALL RAKE WITH INSULATION BRIDGE




REV. DATE: 09/29/16 | REV. NO. 01 | RCV404 | INSULATION PLACEMENT | SSR RIDGE W/ INSUL. BRIDGE



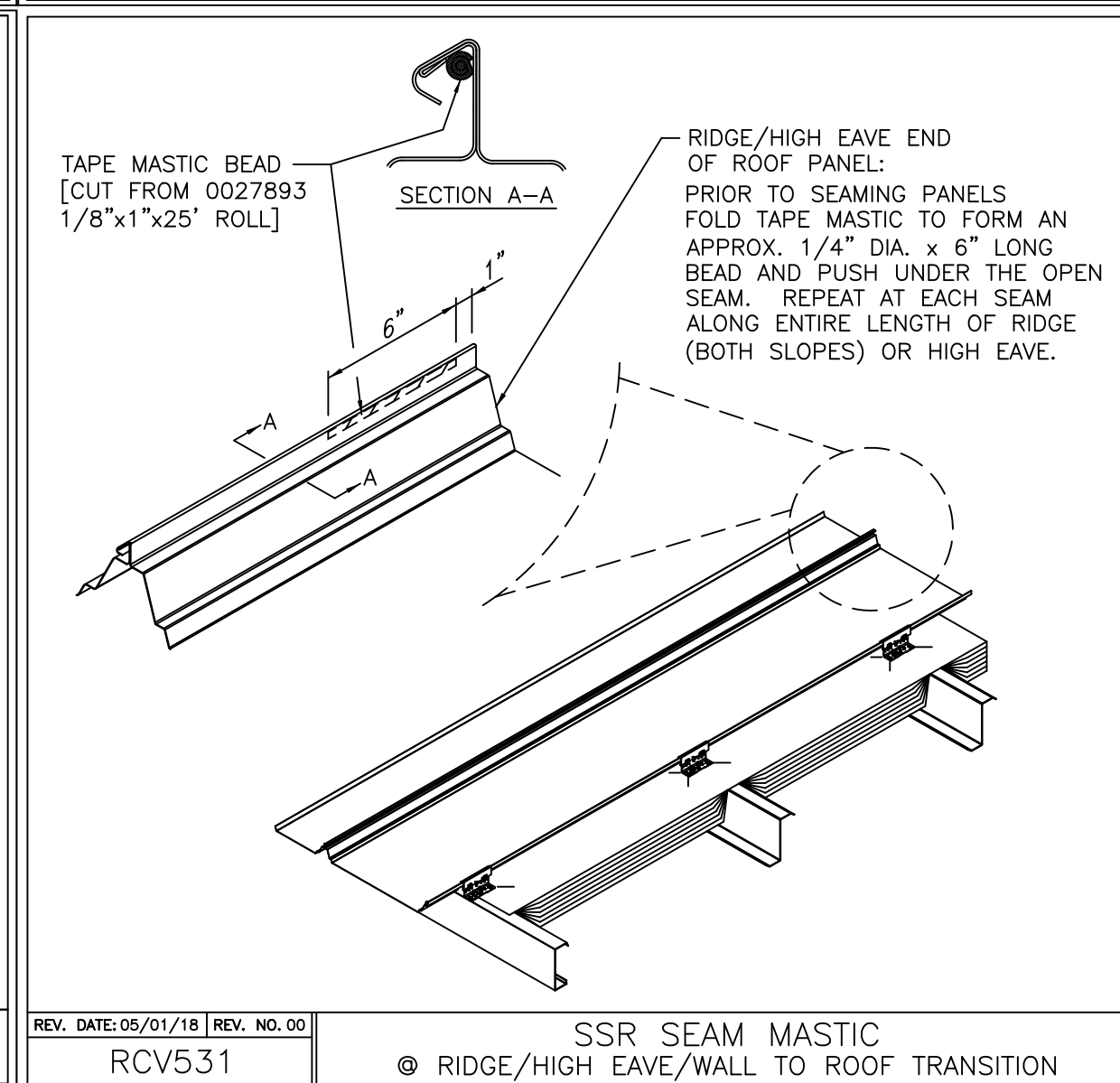
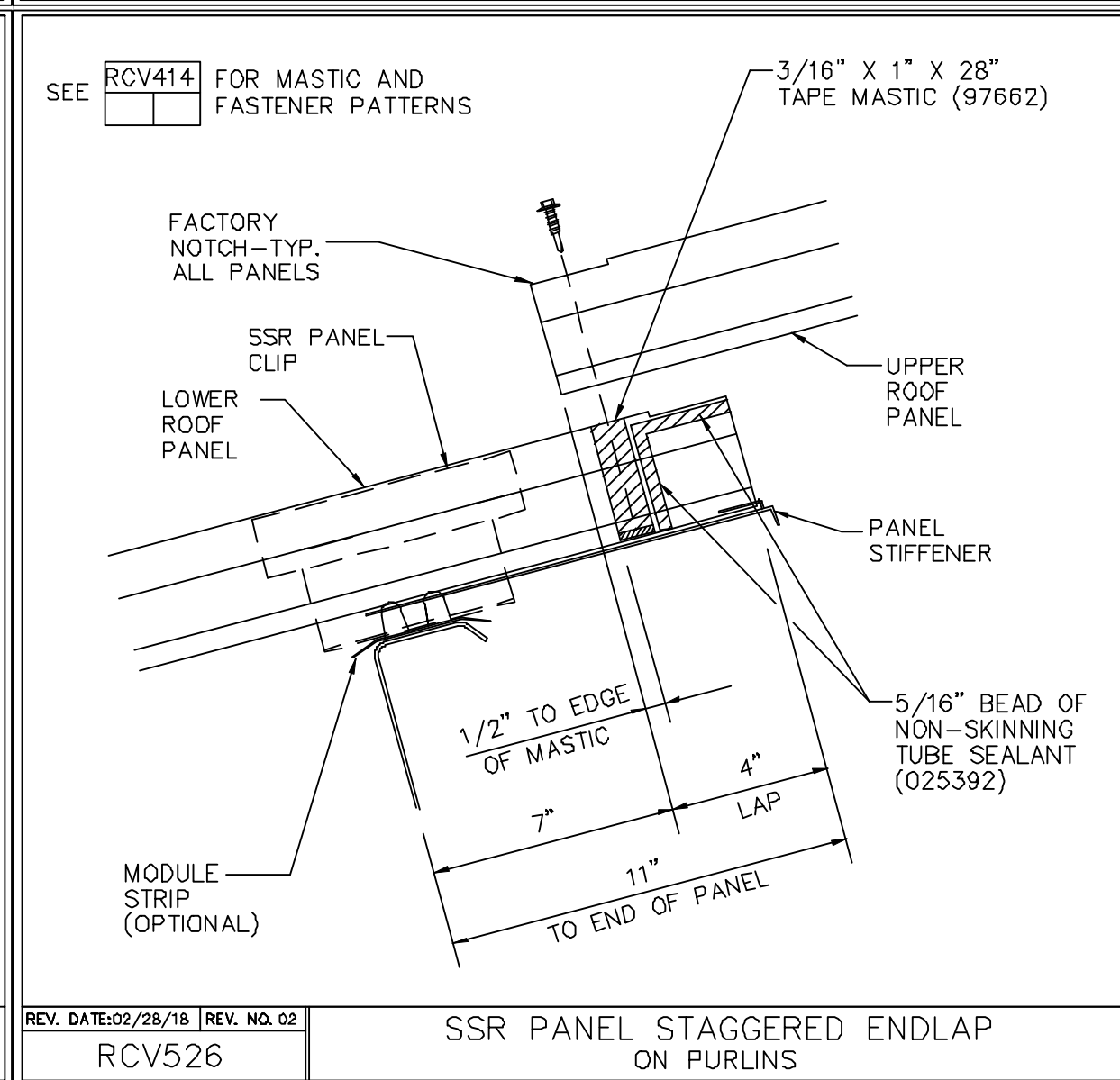
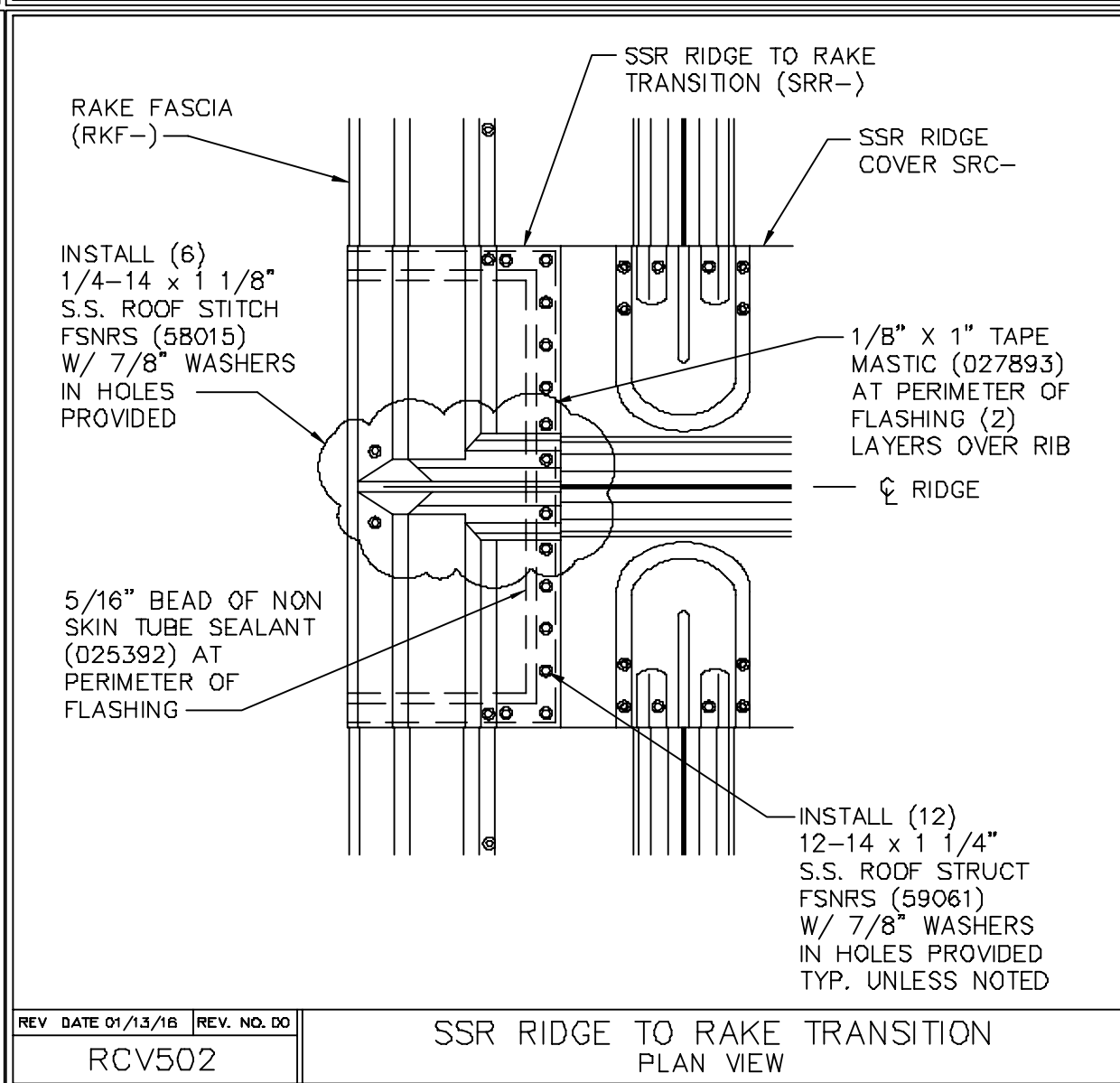
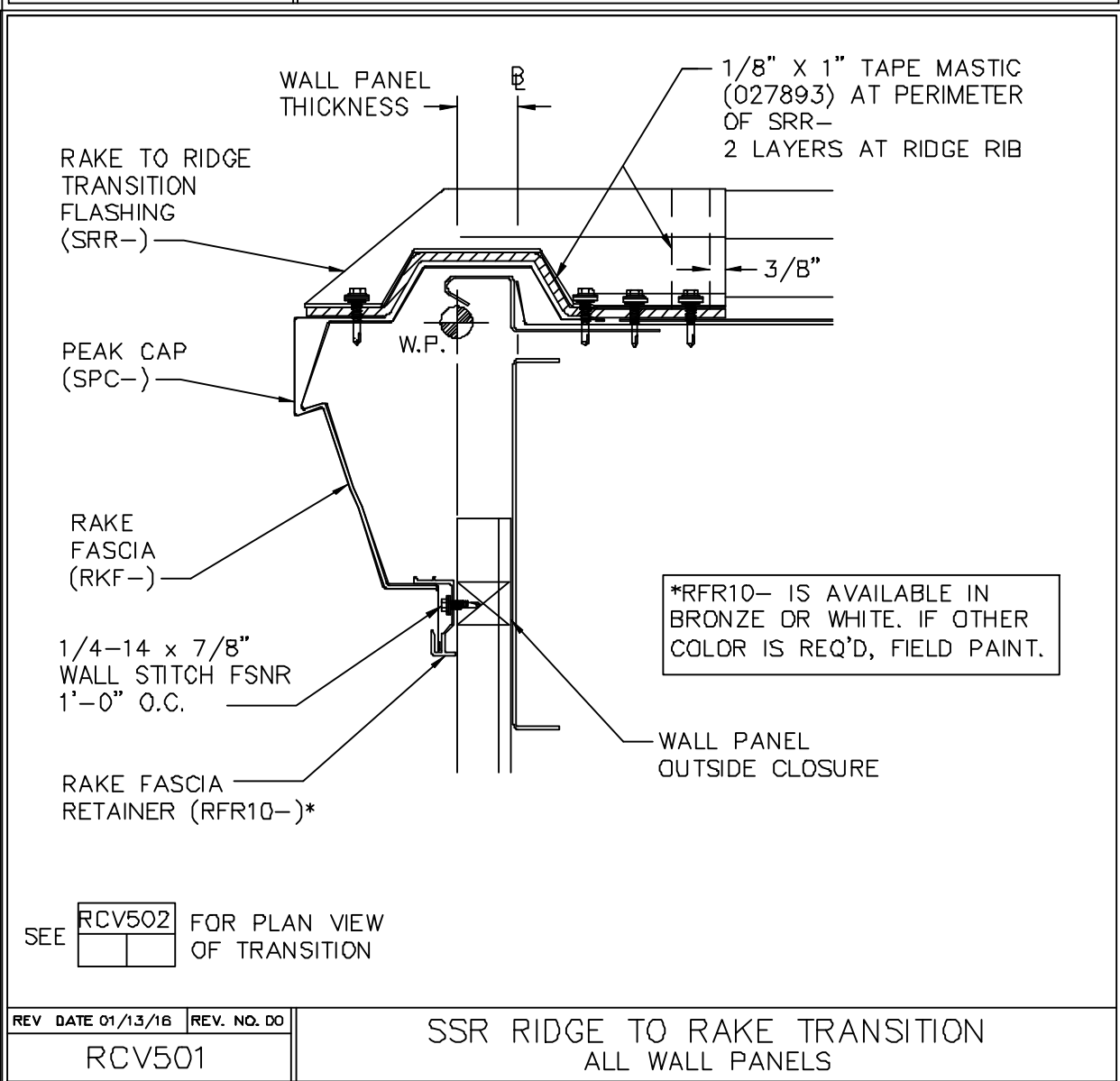
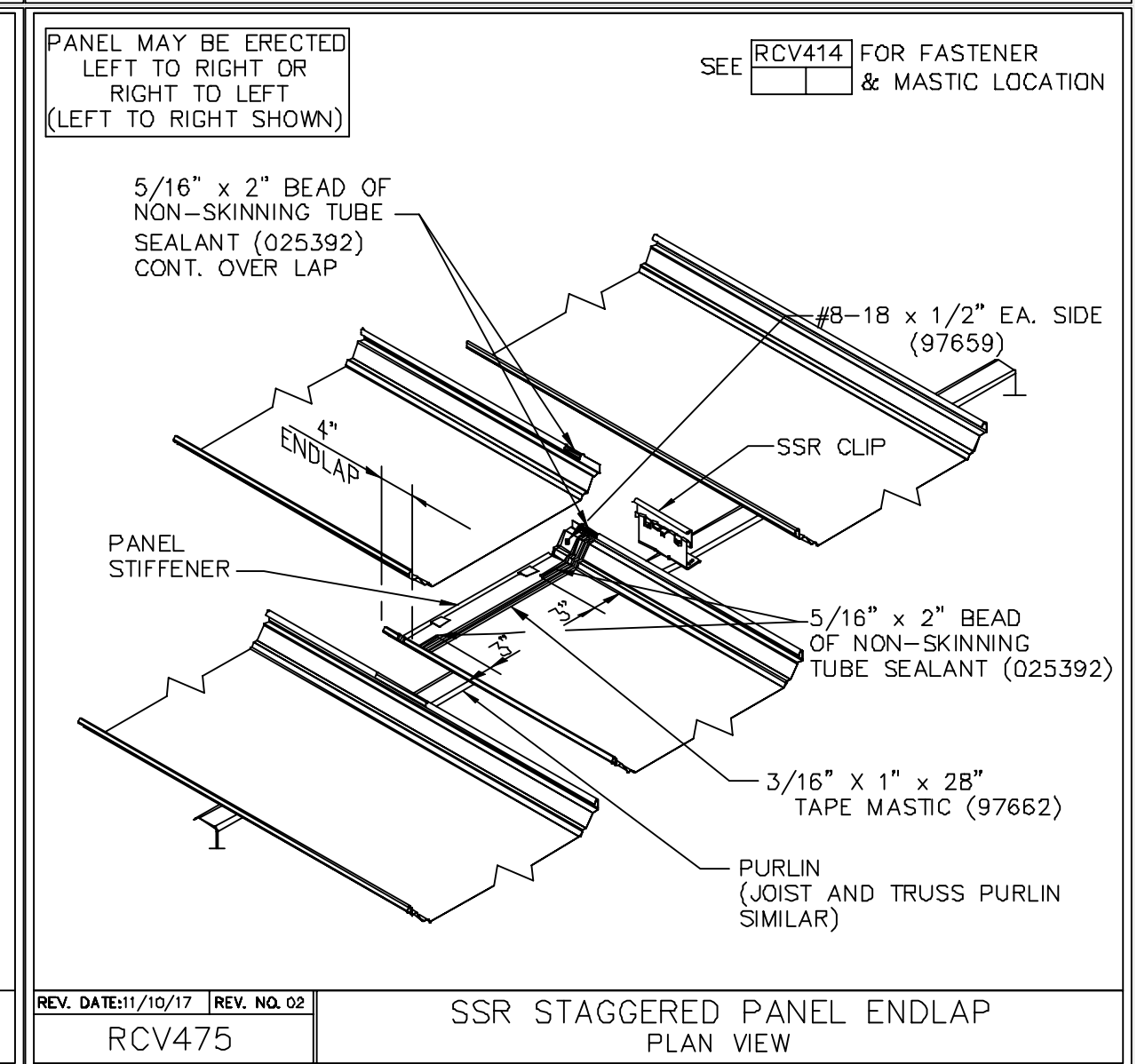
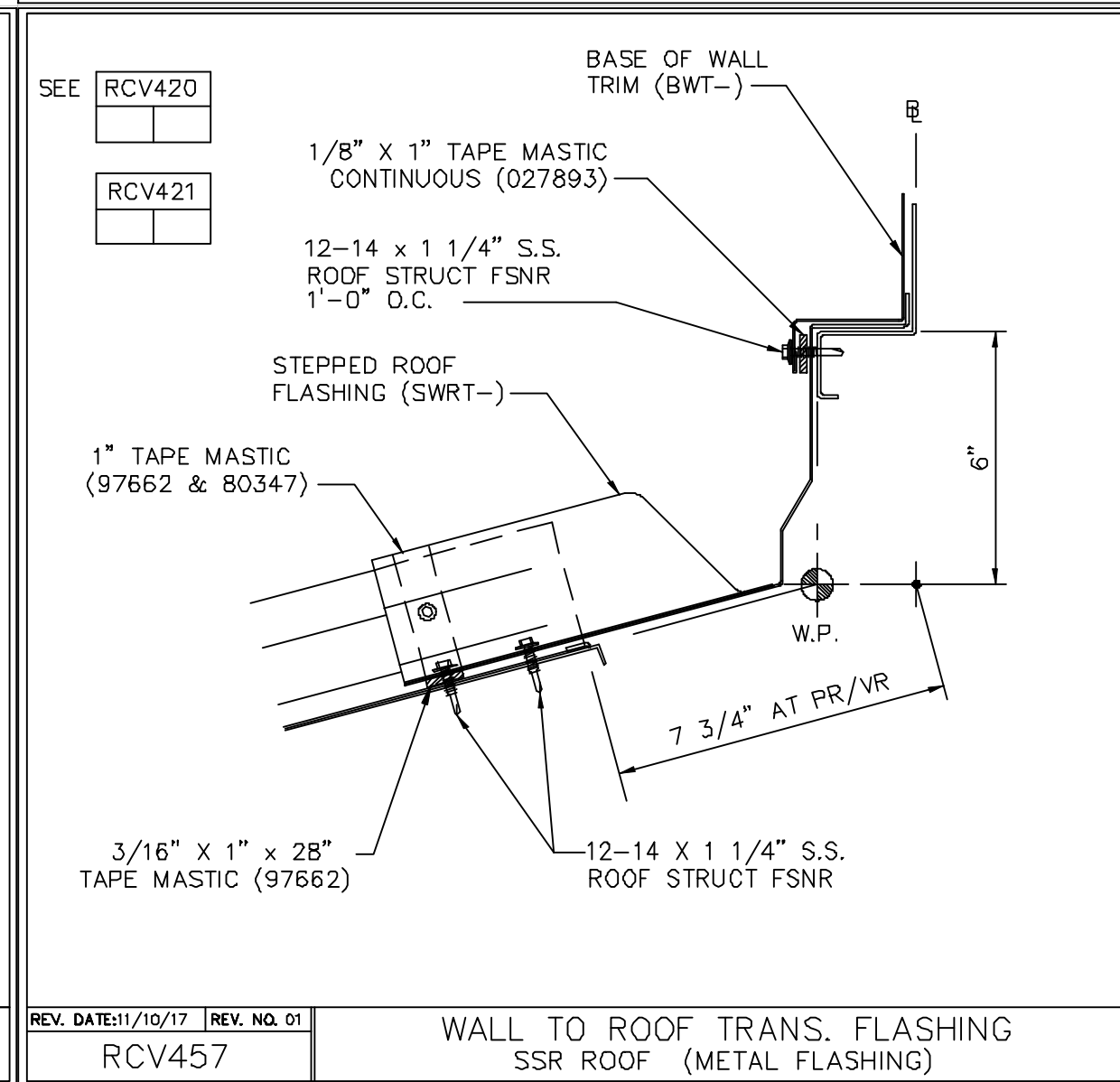
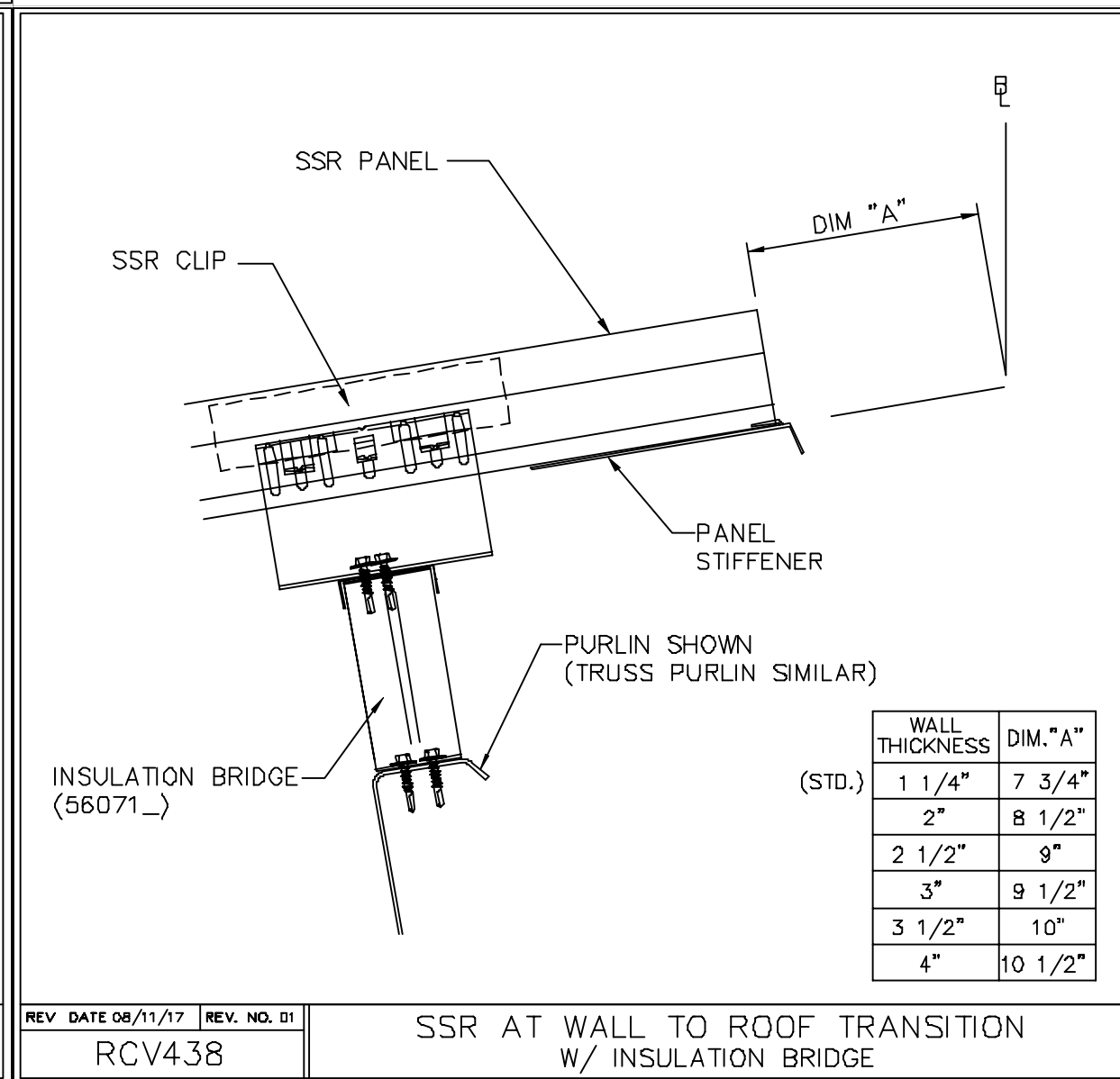
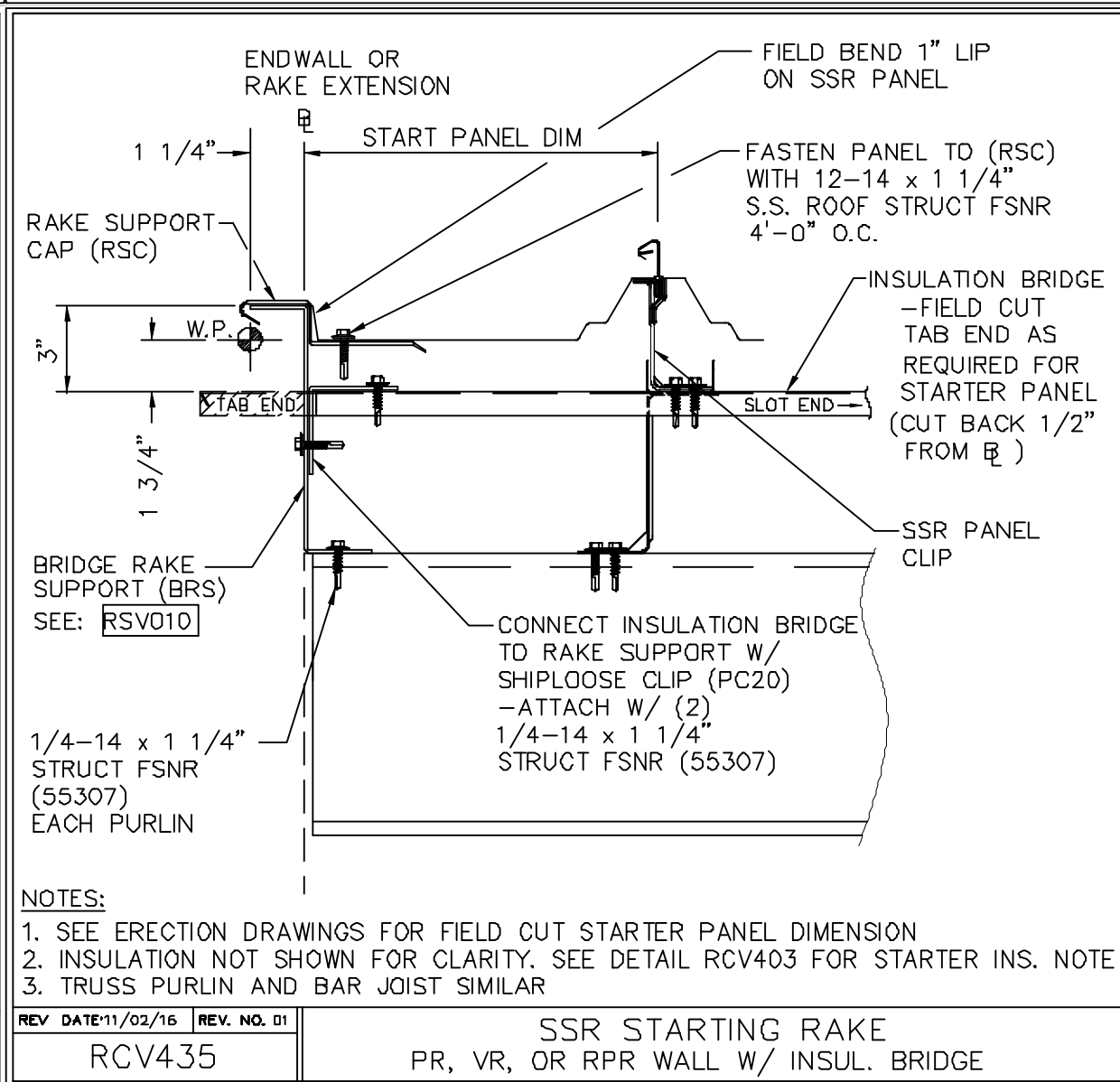
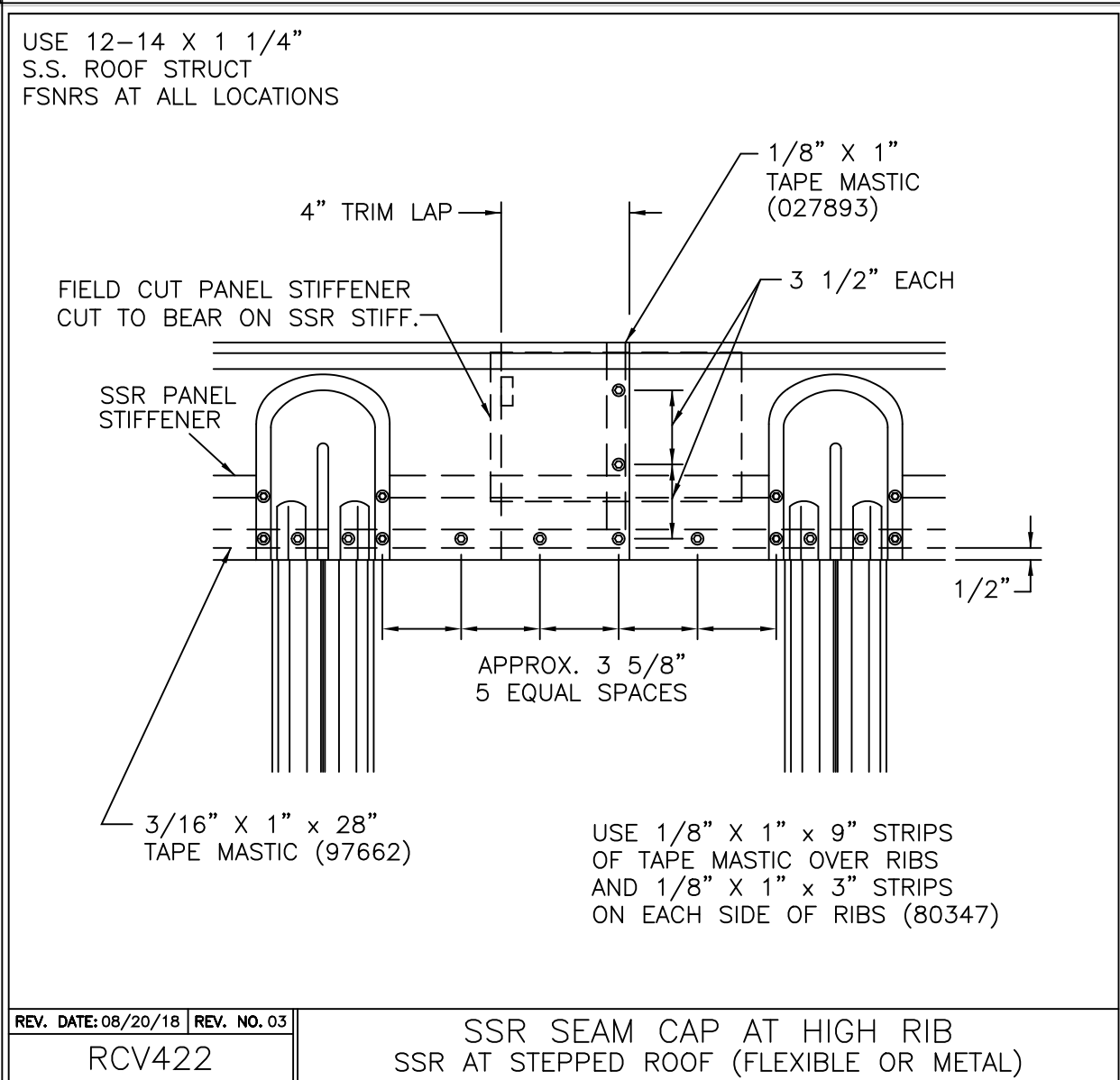
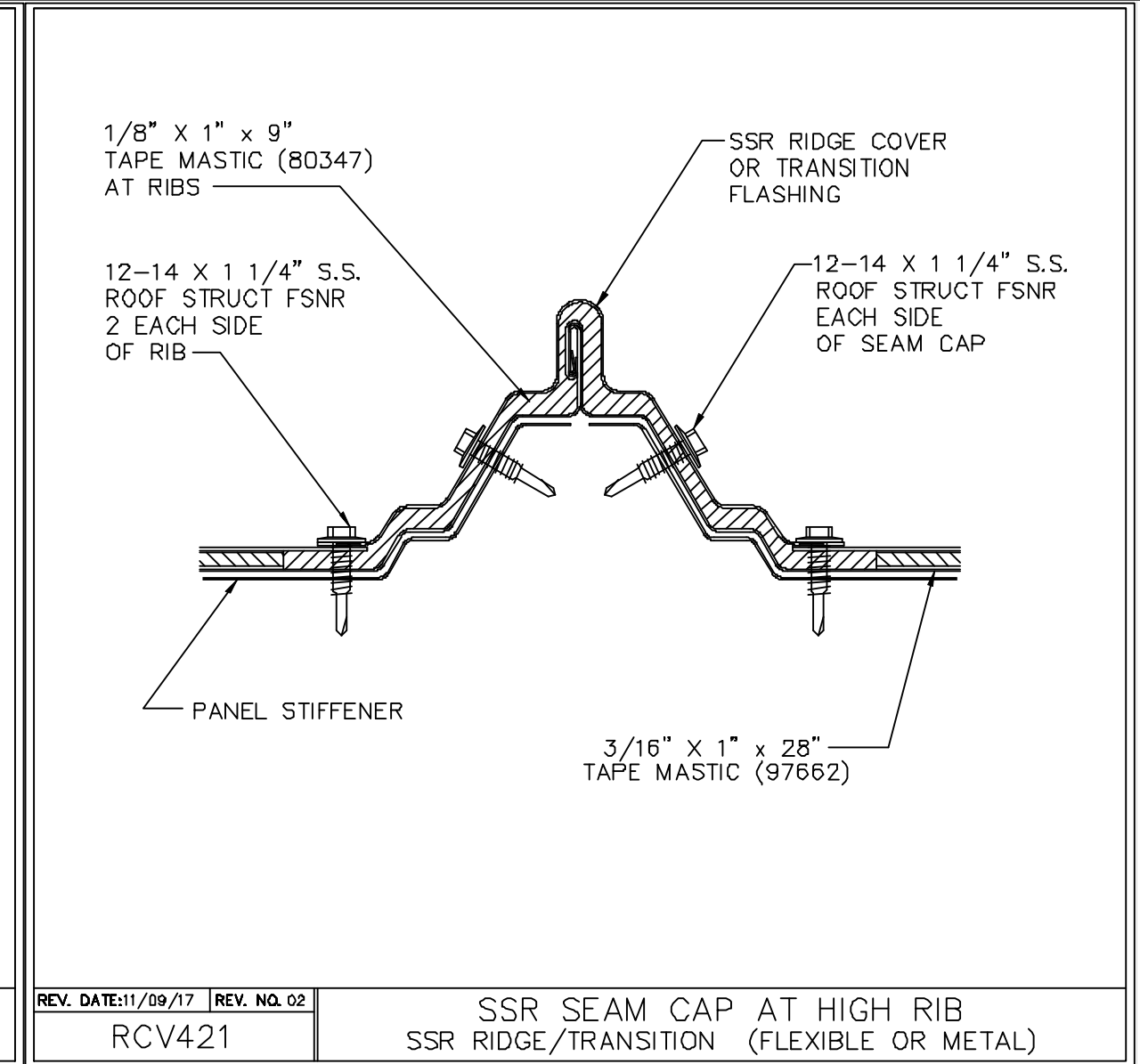
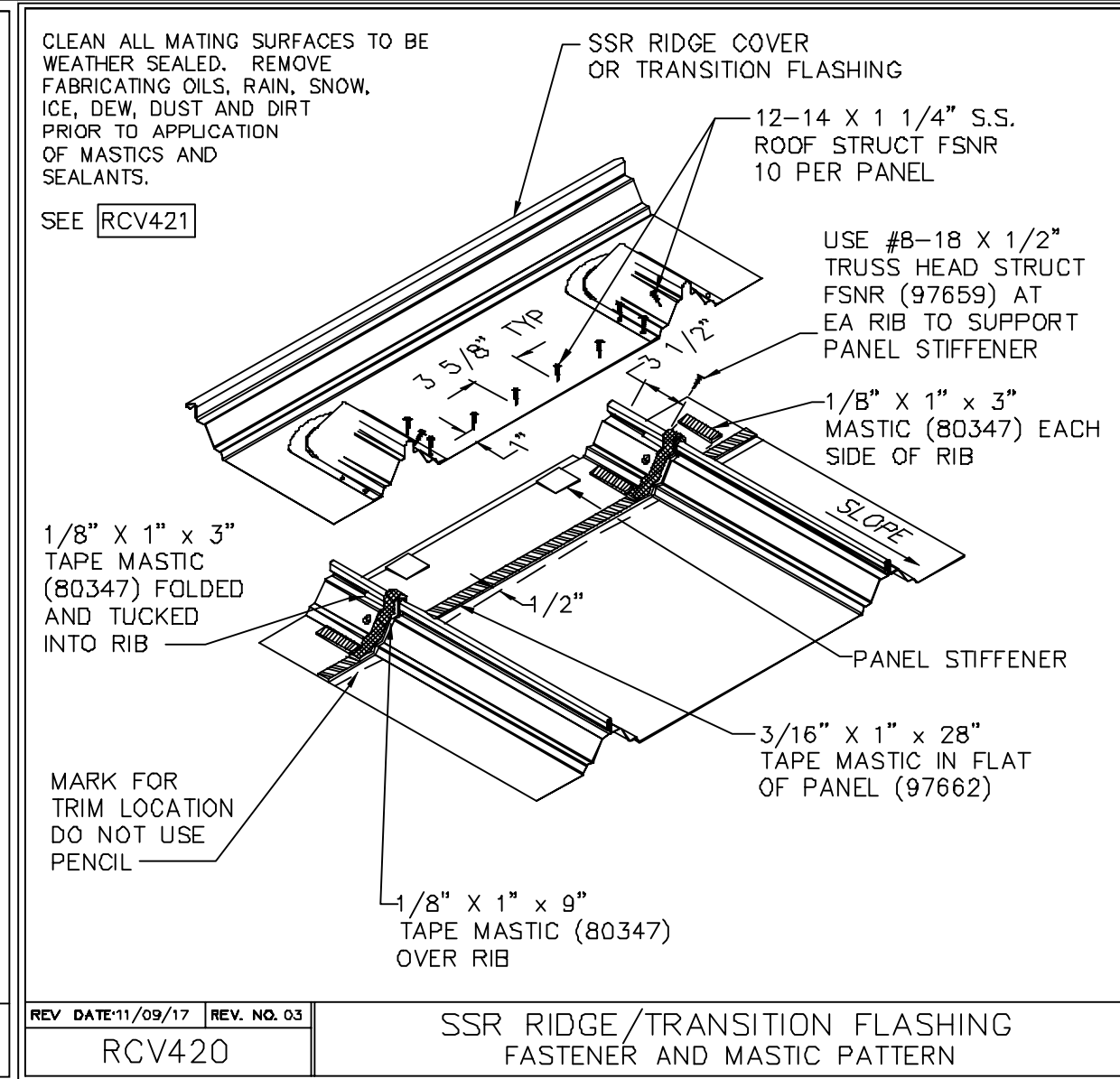
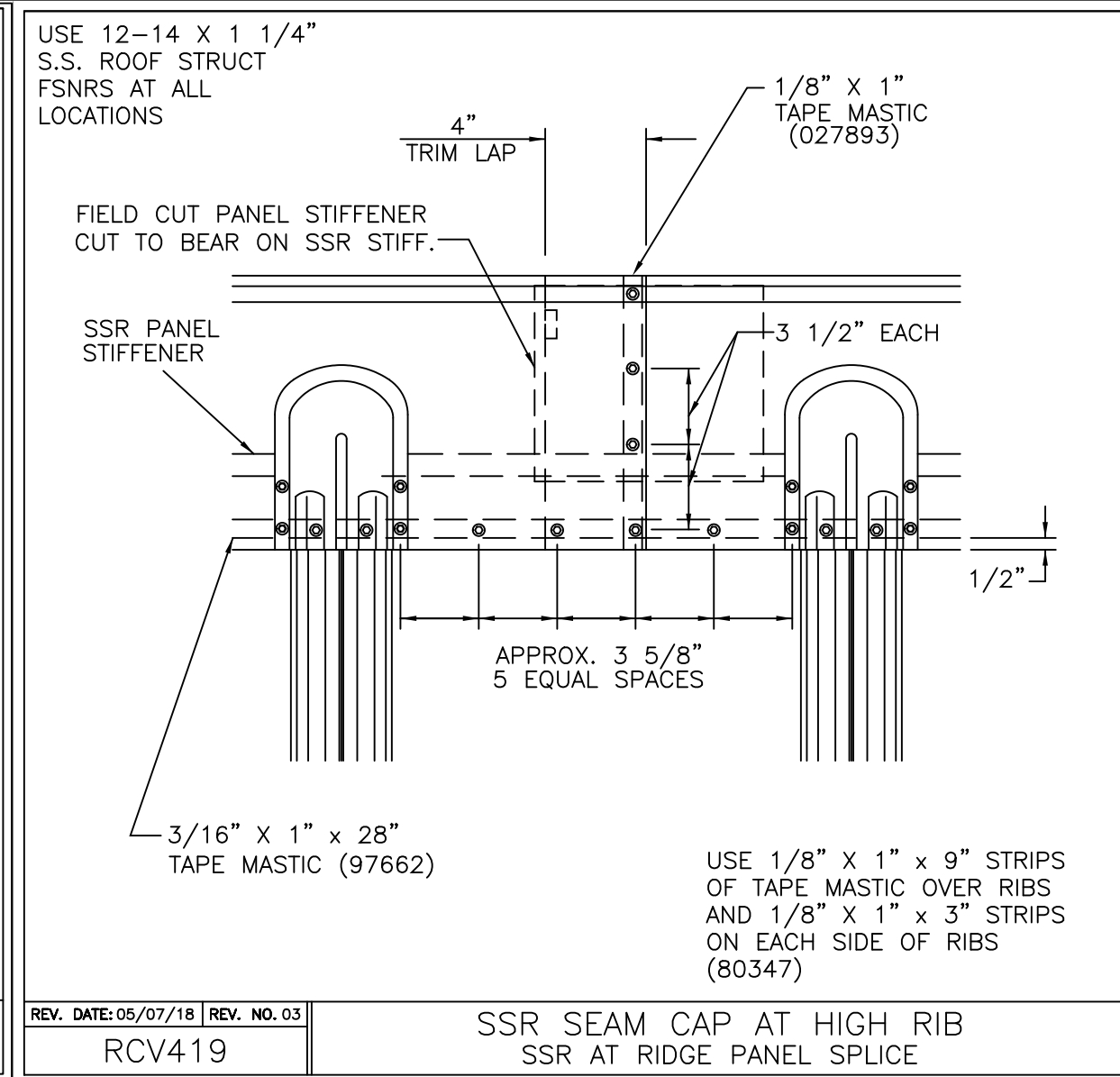
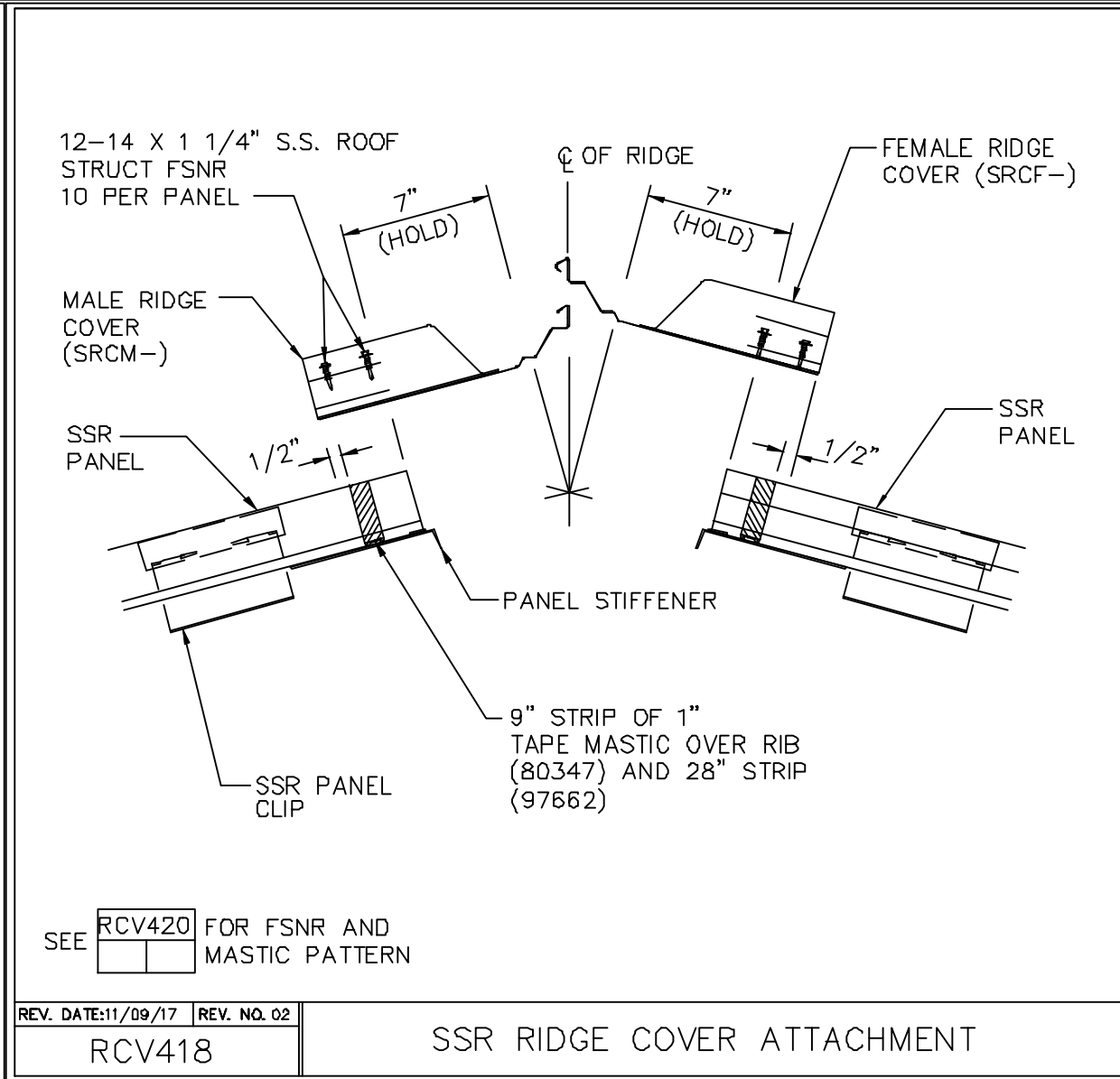
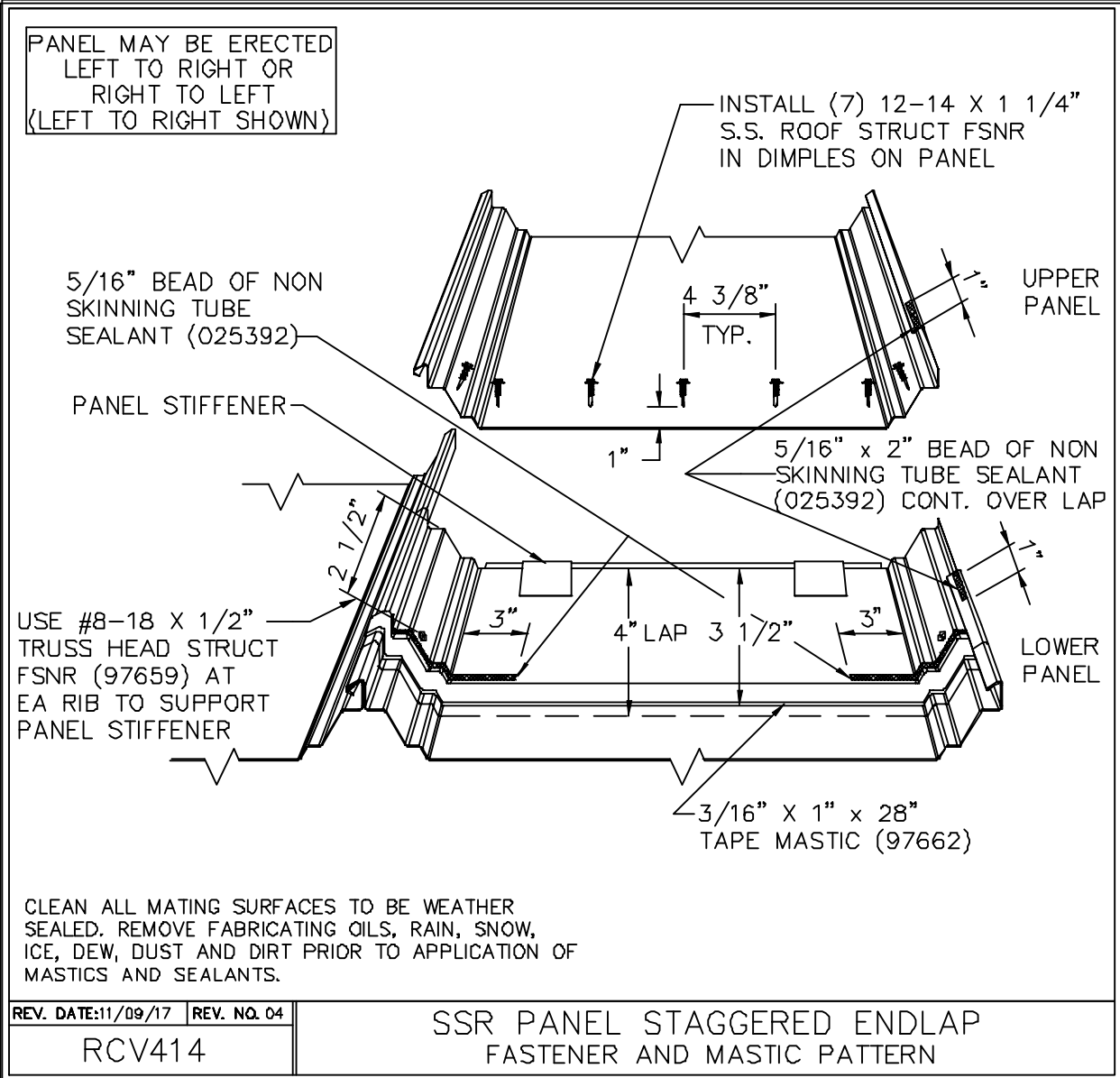
REV. DATE: 10/24/17 | REV. NO. 02 | RCV405 | INSULATION PLACEMENT | SSR WALL TO ROOF WITH INSULATION BRIDGE



REV. DATE: 03/23/16 | REV. NO. 00 | RCV412 | SSR PANEL CLIP ATTACHMENT | INSUL. BRIDGE W/ T-BLOCK ON PURLINS

<div>NOT FOR CONSTRUCTION FOR REFERENCE ONLY</div>	<div>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.</div>	<div>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.</div> <div>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>	<div>D</div> <div>VP Buildings</div> <div>3200 Players Club Circle Memphis TN 38125</div>	<div>COVERING & TRIM SED'S</div>	<div>BUILDER</div> <div>SDE Construction, Inc.</div>	<div><div>VP BUILDINGS VARCO PRUDEN A BlueScope Steel Company VPC VERSION: 2019.2</div></div>	<div>JOBNO</div>
			<div>REV</div> <div>DATE</div> <div>BY</div> <div>DESCRIPTION</div>	<div>CUSTOMER</div> <div>Muhlenberg Public Works</div>	<div>DATE</div> <div>5/1/2019</div>		
				<div>LOCATION</div> <div>Temple, Pennsylvania</div>	<div>DRAWN/CHECK</div> <div>VPC</div>		
				<div>PROJECT</div> <div>Muhlenberg Twp Public Works</div>	<div>PAGE</div> <div>52</div>		
				<div>BUILDERS FOR</div>	<div>FILENAME:</div> <div>09-03-19--MPW from VP - Copy</div>		

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VP Buildings			
3200 Players Club Circle Memphis TN 38125			
REV	DATE	BY	DESCRIPTION
NTS			
10/18/2019 SEDSheet 15:08:15			

COVERING & TRIM SED'S

BUILDER	SDE Construction, Inc.
CUSTOMER	Muhlenberg Public Works
LOCATION	Temple, Pennsylvania
PROJECT	Muhlenberg Twp Public Works
BUILDERS PO#	



JOBNO	
DATE	5/1/2019
DRAWN/CHECK	---
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FILENAME: 09-03-19--MPW from VP - Copy

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