

NC 9-10



- VP-AR 2622 W. 17th St. Pine Bluff, AR 71603
- VP-NC 1140 W. Mountain St. Kernersville, NC 27284
- VP-CA 530 S. Tegner Rd. Turlock, CA 95380
- VP-OH 1202 Industrial Dr. Van Wert, OH 45891
- VP-ME 3200 Players Club Cr. Memphis, TN 38125
- VP-WI 273 Water St. Evansville, WI 53536
- VP-MO 2250 Lower Lake Rd. St. Joseph, MO 64504

Transmittal

<p>Builder #: 3546</p> <p>To: Patco Constr. 1293 Main Street Sanford ME 04073</p> <p>Attn: BILL RUDMAN</p> <p>Customer: Motion Industries</p> <p>Location: Portland ME</p> <p>Phone: (207)324-5575</p>	<p style="text-align: right;">Date: 09/03/04</p> <hr/> <p style="text-align: center;">VP JOB NO.: WI0400750-01 EP _____</p> <hr/> <p>Drawings to be sealed: <input checked="" type="checkbox"/> Yes By: CWW <input type="checkbox"/> No</p>
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DRAWINGS OR ITEMS INCLUDED ARE AS FOLLOWS:

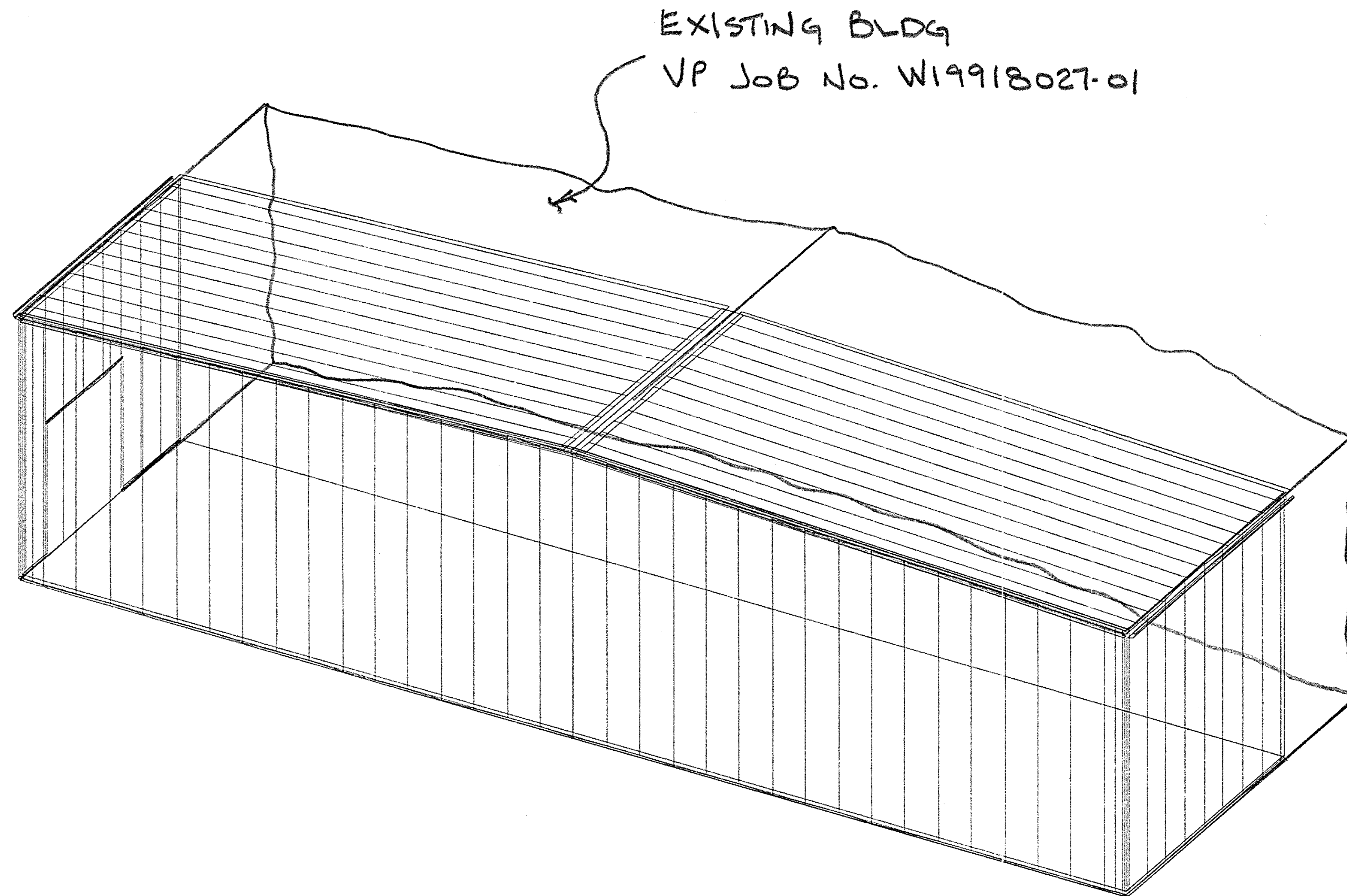
NO. OF PRINTS	DRAWING NUMBER	DRWG. DATE	REV. NO.	LATEST REV.	DESCRIPTION:
					Anchor Bolt Plan – For Construction
3	1-19	9/2/2004			Final Erection Drawings – {1 Set Delivered on Truck}
					Design Drawings
					Permit Drawings
					Preliminary Drawings – Not For Construction
					Approval Drawings – Not For Construction
					Structural Calculations
					Design Loads and Reactions
1	1-2				Letter of Certification
1					<i>mm</i>

<p><i>Please forward above documentation via:</i></p> <p> FEDEX Standard <input type="checkbox"/> Priority <input type="checkbox"/> 2-Day <input type="checkbox"/> UPS Ground <input type="checkbox"/> Next Day <input type="checkbox"/> 2-Day <input type="checkbox"/> Greyhound Bus <input type="checkbox"/> Priority <input type="checkbox"/> US Post Office <input type="checkbox"/> Other <input type="checkbox"/> </p> <p style="text-align: center;">TRACKING: <input type="checkbox"/></p> <p>DOCUMENTS TO BE DELIVERED BY: <input type="checkbox"/></p> <p>TEAM OR DEPT. #: <input type="checkbox"/></p> <p>COMMENTS: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>	<p style="text-align: center;">Truck Prints Will Include:</p> <p> <input checked="" type="checkbox"/> LOAD LIST <input checked="" type="checkbox"/> 1 SET ERECTION DRAWINGS <input checked="" type="checkbox"/> STANDARD ERECTION GUIDE <input checked="" type="checkbox"/> VEE RIB ERECTION GUIDE <input type="checkbox"/> SPAN LOC ERECTION GUIDE <input type="checkbox"/> SUPER BLOCK ERECTION GUIDE <input type="checkbox"/> SSR ERECTION GUIDE (old) <input checked="" type="checkbox"/> SSR ERECTION GUIDE staggered lap <input type="checkbox"/> XPRESSTEEL ERECTION GUIDE </p> <p> Sent by (EDT) <input type="checkbox"/> AMZ Sent to printroom <input type="checkbox"/> Printroom Op <input type="checkbox"/> Mail Date <input type="checkbox"/> </p>
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DRAWING INDEX	
DRAWING TITLE	PAGES
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DRAWING RELEASE HISTORY		
TYPE	DATE	DESCRIPTION
AB PLAN	7/21/04	FOR CONST
ERECTION DRWGS	7/28/04	FOR PERMIT
ERECTION DRWGS	9/2/04	FOR CONST



VP Buildings, Inc. 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
HOLLOW STRUCTURAL SECTION (HSS)
CLADDING

ASTM DESIGNATION

A529, A572, A1011 SS
A1011 SS
A572
A36, A572, A529, A992
A500
A653, A792

GRADE 50
GRADE 55
GRADE 65
GRADE 36 KSI OR GRADE 50
GRADE B
GRADE 50 CLASS 2 OR GRADE 80

A325 BOLT TIGHTENING REQUIREMENTS

IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPROPRIATE REGULATIONS. THE FOLLOWING CRITERIA IS IN COMPLIANCE WITH THE LATEST SPECIFICATIONS, HOWEVER THE ERECTOR IS RESPONSIBLE TO VERIFY LOCAL AUTHORITY REQUIREMENTS.
ALL CONNECTIONS MADE WITH A325 BOLTS MAY BE TIGHTENED TO THE "SNUG TIGHT" CONDITION AS PERMITTED BY THE SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS (2000 ED.), UNLESS INDICATED AS "PRE-TENSIONED" ELSEWHERE IN THESE DRAWINGS, OR AS INDICATED BELOW.

PRE-TENSION BOLTS ON PRIMARY FRAMING, BOLTED BRACING, AND STRUT CONNECTIONS IF LOCATED IN SEISMIC PERFORMANCE / DESIGN CATEGORY D, E OR F (ZONE 3 OR 4). SEE CODES AND LOADS NOTES BELOW FOR SEISMIC DESIGN CATEGORY.

PRE-TENSION BOLTS ON PRIMARY FRAMING, BOLTED BRACING, STRUTS AND CRANE RUNWAY CONNECTIONS IF BUILDING SUPPORTS A CRANE WITH A CAPACITY GREATER THAN 5 TONS.

CONNECTIONS THAT SUPPORT RUNNING MACHINERY AND OTHER SOURCES OF IMPACT OR STRESS REVERSAL MUST BE PRE-TENSIONED.

ALL SLIP CRITICAL CONNECTIONS AS INDICATED IN THESE DRAWINGS WITH -SC DESIGNATION MUST BE PRE-TENSIONED. SC TYPE CONNECTIONS MUST BE FREE OF PAINT, OIL OR OTHER MATERIALS THAT REDUCE THE FRICTION AT CONTACT SURFACES.

ALL A490 BOLTS MUST BE PRE-TENSIONED WITH WASHERS UNDER TURNED ELEMENT.

SECONDARY MEMBERS AND FLANGE BRACE CONNECTIONS ARE ALWAYS "SNUG TIGHTENED", EVEN IF ABOVE CONDITIONS EXIST, UNLESS SPECIFICALLY NOTED OTHERWISE ON DETAILS.
WASHERS ARE NOT REQUIRED FOR "SNUG-TIGHT" CONNECTIONS. PRE-TENSIONED CONNECTIONS TIGHTENED USING THE TURN-OF-THE-NUT METHOD DO NOT REQUIRE WASHERS.

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.

Building Code: BOCA - 1999 - National Building Code
motion industries: Building Use: Standard Occupancy Structures,
LIVE LOADS AND RAINFALL
Live Load 20.00 psf (Not Reducible)
Rainfall: 4.00 in per hour
COL. LOAD = 3 PSF
SNOW LOAD
Ground Snow: 70.00 psf, Flat Roof Snow: 49.00 psf
Snow Exposure Category (Factor): 2 Partially Exposed (1.00)
Snow Importance: 1.000 Thermal Category (Factor): Heated (1.00)

WIND LOAD
Wind Speed: 90.00 mph, Wind Exposure: B
Basic Wind Pressure: 10.29, (Parts) 20.78 psf
Wind Importance Factor: 1.094,
Wind Enclosure: Enclosed, 0.250
Note: If the building is design as ENCLOSED, all windows, doors, skylights and other covered openings must be designed for the specified above wind loads

EARTHQUAKE DESIGN DATA
Lateral Force Resisting Systems using Equivalent Force Procedure
Seismic Hazard / Use Group: Group 1
Seismic Performance / Design Category: C (See Bolt Tightening Note Above)
Aa: 0.1000, Av: 0.1000
Seismic Snow Load: 9.80 psf
Seismic Importance: 1.000
Soil Factor 2.00
Moment-Resisting Frame System
Ordinary Steel Frames
(R=4.5, Cd=4.0)
Building Frame System
Centrally Braced Frames
(R=5.0, Cd=4.5)
Analysis Procedure 1610.4 used



LPJ 9/3
7-21-04
9.3-af-aw

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 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 CONFORMANCE 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 BRACINGS.



VP BUILDINGS, INC.
AISC CATG. MB CERTIFIED

COVER SHEET

BUILDER	PATCO CONSTRUCTION	JOB #	WI0400750-01
CUSTOMER	Motion Industries	DATE	7/21/04
LOCATION	Portland, Maine	DRAWN / CHECK	MAH
PROJECT	Motion Industries	PAGE	1
BUILDERS POF			



VP VERSION: 5.0b

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 Building 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 Building 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. The Builder or A/E firm are responsible for the overall project coordination, including coordination with appropriate inspection and testing agencies. 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. The Builder is responsible for accurate setting of anchor bolts (+/- 1/8" accuracy), erection of steel, and required alignment such that components are straight and plumb per MBMA Code of Standard Practice. Out of straightness for any member shall not exceed 1/300.

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 VP Builder Memo #BM-006.

EXISTING STRUCTURES

VP must be advised of any existing structure that is within 20 ft. of VP's building. Loadings of both buildings may be affected when adjacent buildings are within this distance. VP cannot be responsible for the design or loading of existing buildings.

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 rod at mid-bay by suspending it from a secondary member.

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. Unless otherwise approved, use E70ksi yield, low hydrogen electrodes. The contractor shall provide for any special welding inspection as required by code.

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.

Per VP Builder Memo #BM-001, claims for damage or losses 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 loss 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.

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. Butyl Sealants - Service Temperature Range (Degrees): Min -40F (-40C); Max 200F (104C) Tape sealants - Service Temperature Range (Degrees): Min -60F (-50C); Max 212F (100C)

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 Building 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, Inc. accepts no responsibility for the consequences of any unauthorized additions, alterations, or added loads to this structure.

Per VP Builder Memo #BM-001, 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.

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 panels such as SSR and SLR. 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 2 inch thick blanket is recommended over steel secondary members, or 1 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.

SKYLIGHTS

VP's Tufites and VP's domed skylight have been tested to support a 300 lb. load over a 1 sq. ft. area, as well as uniform gravity and uplift load test. 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 engineer 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 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. See VP Builder Memo #BM-001 & #BM-002.



BRACING

This building was not designed with any wall bracing. The lateral load from the new endwall at Grid 1 is to be transferred across the ridge and low eave purlins to the existing roof and wall bracing. It is the builder's responsibility to attach the new purlins to the existing purlins at the locations and per the details provided on these drawings.

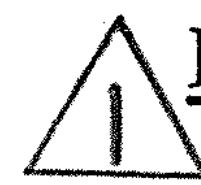
CRANE NBVP

Crane rails, crane beams, cap channels, stiffeners and lateral crane tiebacks are NOT by VP Buildings. Crane brackets and longitudinal crane bracing is being supplied VP Buildings. Top of crane brackets are 19'-6 1/4" above finished floor and centerline of centerline of the crane rails will be 19'-8 1/2". The builder and crane supplier shall verify that the crane shall work based on this given dimensions.

VP BUILDINGS CERTIFICATIONS

PLANT SPECIFIC CERTIFICATIONS							
Location	Alabama	Arkansas	California	Missouri	No. Carolina	Wisconsin	Mexico
AISC	MB Cert.	MB Cert.	MB Cert.	MB Cert.	MB Cert.	MB Cert.	MB Cert.
ISO	9001	9001	9001	9001	9001	9001	9001
IAS	FA-377	FA-401	FA-240	FA-388	FA-376	FA-378	
CSA			A-660			A-660	
CWB			Div. 1			Div. 1	
Los Angeles, CA			Div. 1			Div. 1	
Houston, TX		Approved					Approved
Riverside, CA			Type 1 Fab #SP02-0028				
Clark Co., NV			Fab ID# 241				
San Bernardino Co, CA			Fab ID# 121				

SSR Roof System: ICC-ES Report #ER-5621
 Panel Rib Roof and Panel Rib & Vee Rib Wall System: ICC-ES Report #ER-4879
 State of Florida Product Approval (Listed as VP Buildings)
 Dade Co. Product Certification
 SSR Roof NOA#03-0206.13; Panel Rib Roof NOA#02-0123.08; Panel Rib Wall NOA#02-04187.01;
 Vee Rib Wall NOA#01-1128.05
 Underwriter's Laboratory Approvals
 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/AEP SL Roof Class 90-UL#TGKX-60
 Factory Mutual Approved Assemblies
 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 (0.0227" Nominal), is available in Class 1-75, 1-90, 1-120.



EXISTING BUILDING

Any modifications of the existing building(s), including (but not limited to) the removal of any girts, sheeting, or bracing, may compromise the structural integrity of the existing building. If any modifications are to be made, it is the responsibility of the builder to have the existing building checked by a qualified design professional and reinforced, if necessary.

The addition of the new structure changes the overall geometry of the complex. The existing structures need to be reviewed by a qualified design professional for their ability to support the potentially altered environmental loads.



7.21.04

9.03.04

LPT 9/3

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VP Buildings, Inc.
3200 Players Club Circle Memphis TN 38125

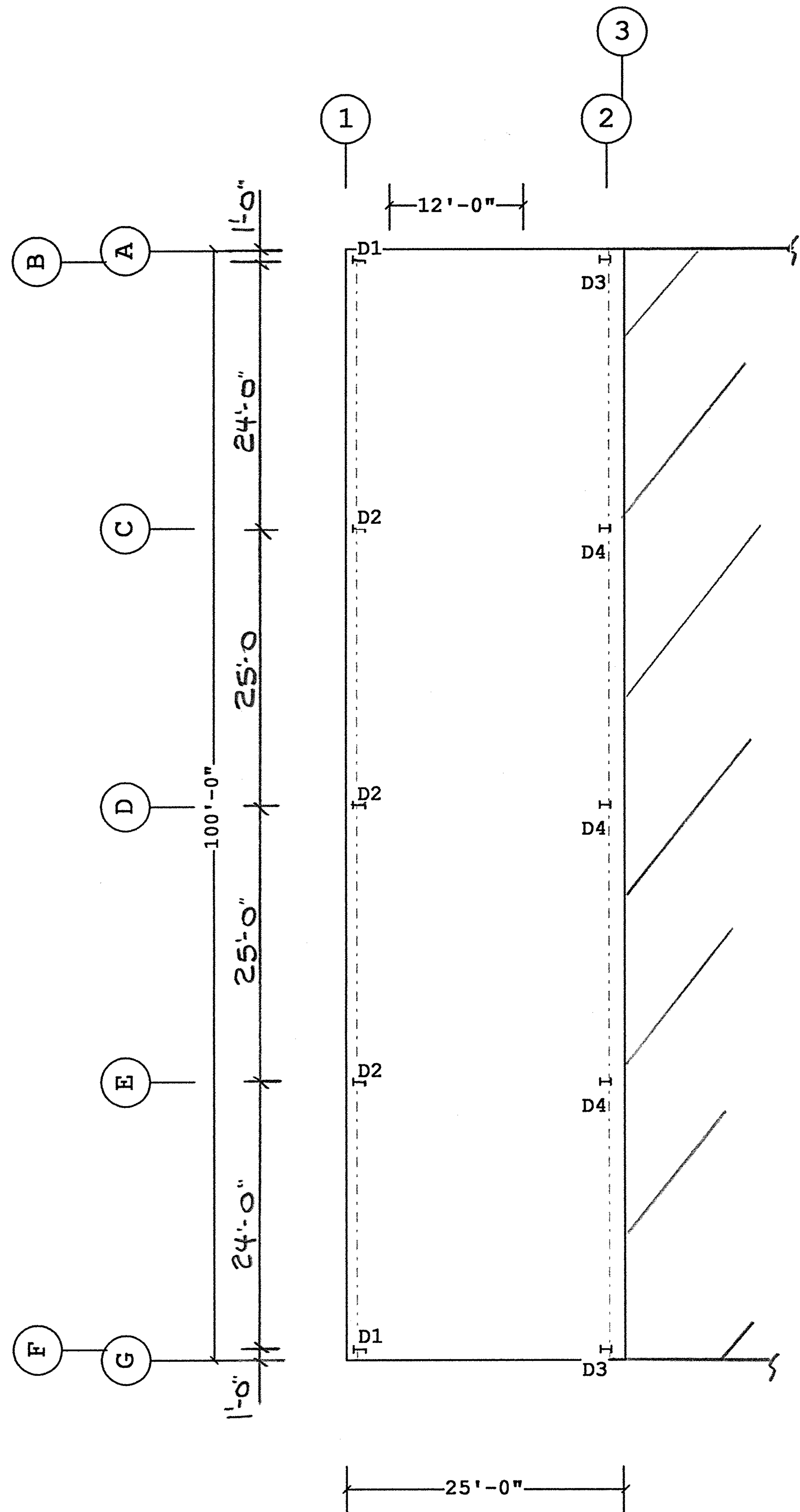
REV	DATE	BY	DESCRIPTION
1	9-1-04	Z	NOTES

Erection Notes

BUILDER	PATCO CONSTRUCTION
CUSTOMER	Motion Industries
LOCATION	Portland, Maine
PROJECT	Motion Industries
BUILDER'S PO#	

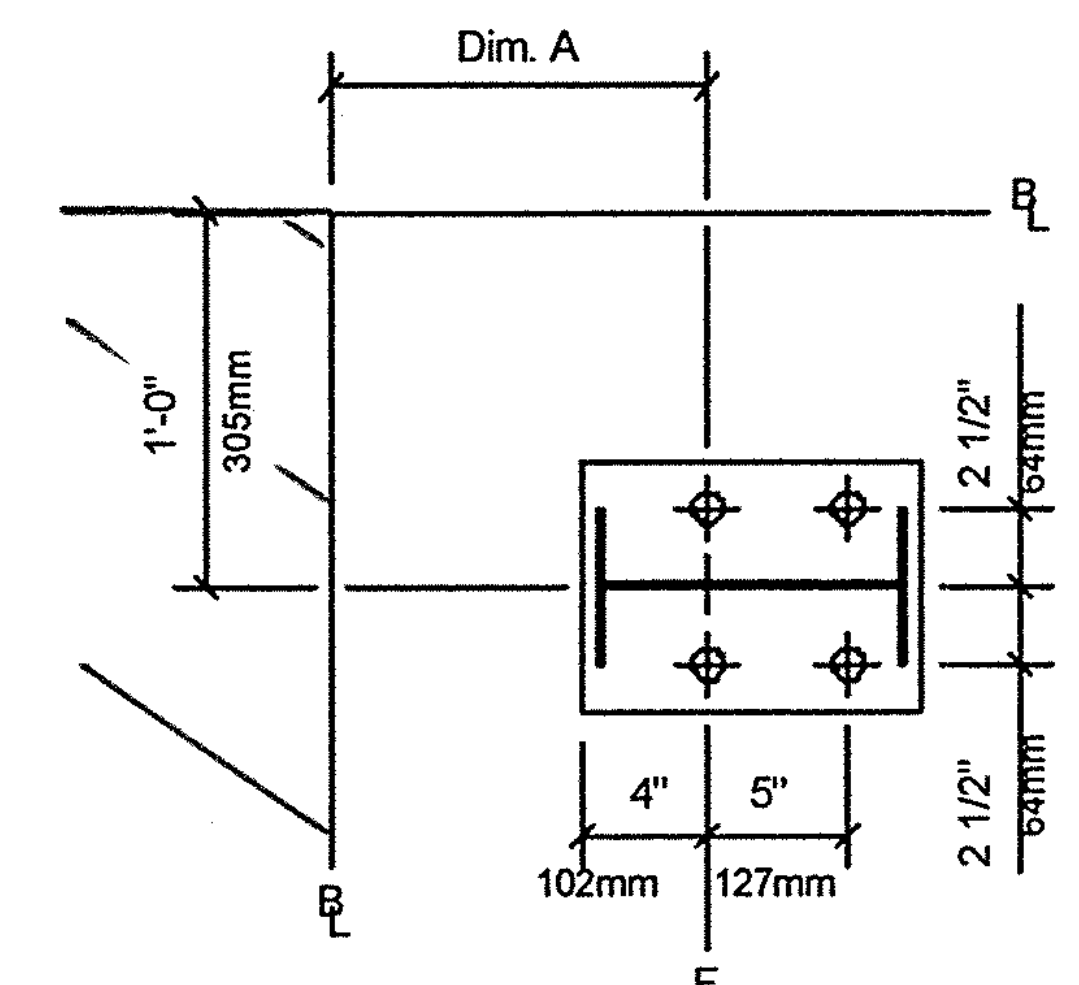


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DATE	7/21/04
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PAGE	2



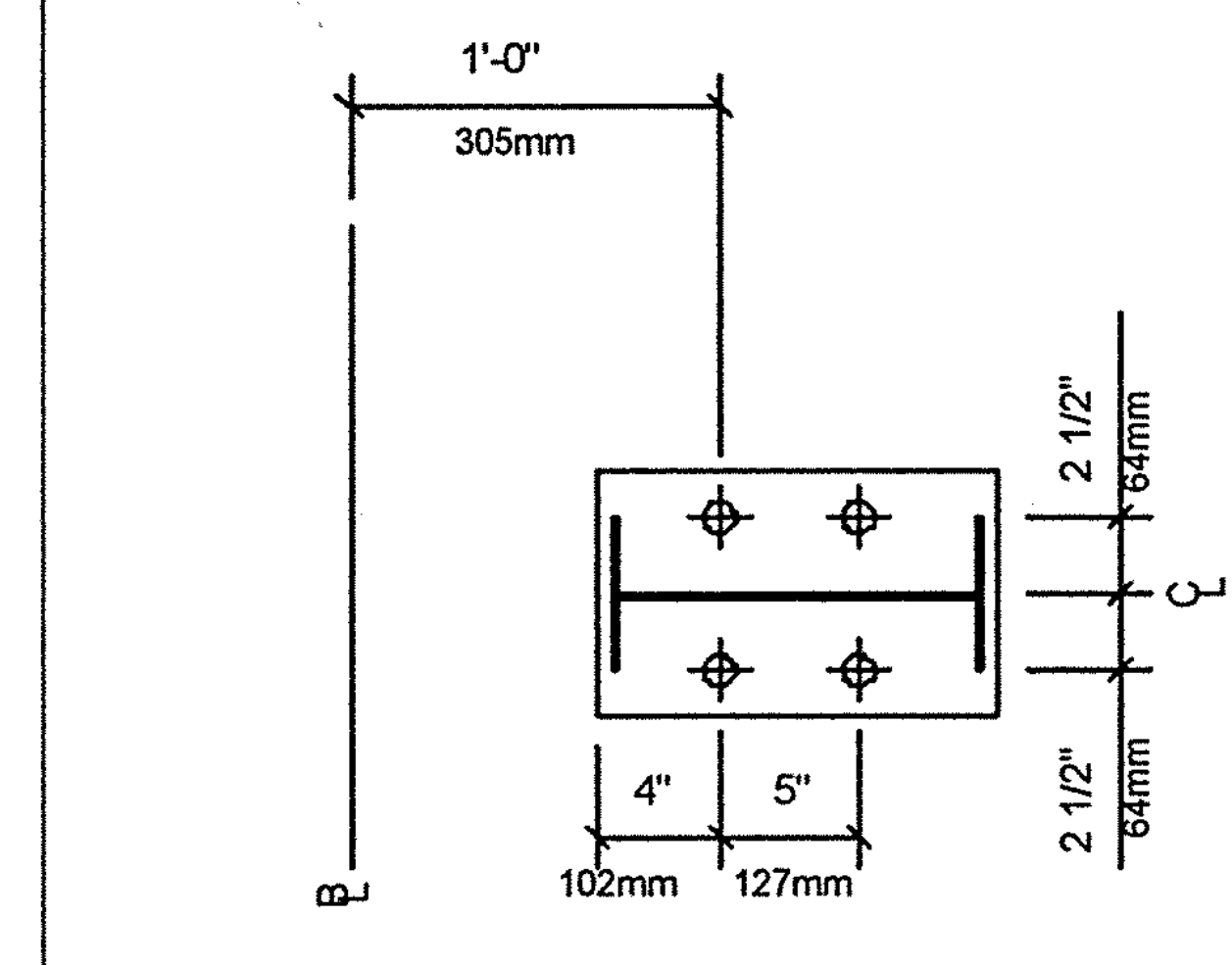
1 1'-0"
 Dimension Key

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

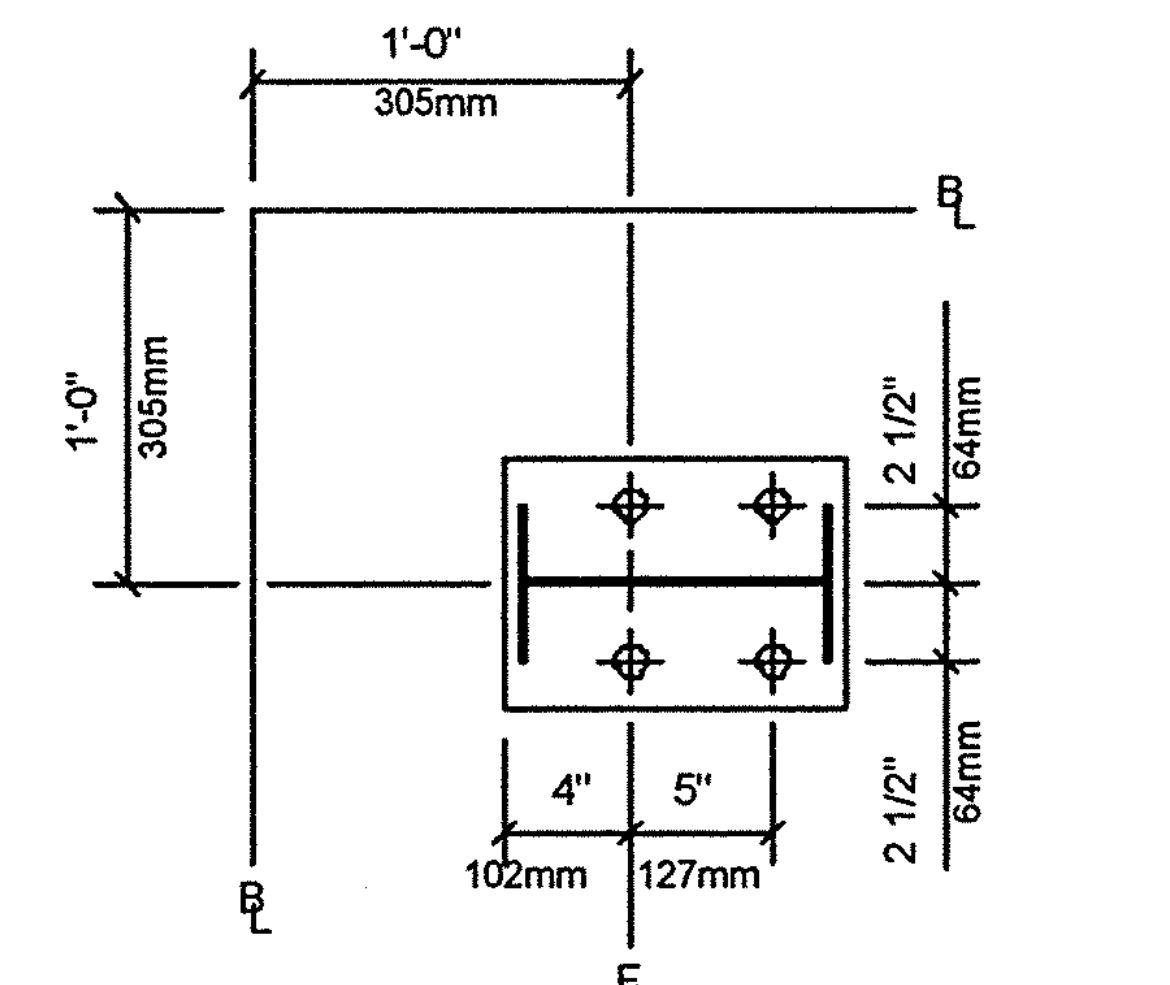


Note:
 Column is Turned 90
 From the Frame Line.

D3 (4) 3/4" Dia. A36 A.Bolts
 Plate W=9" L=1'-1"
 Elev.=100'-0" Dim A=1'-6 1/2"

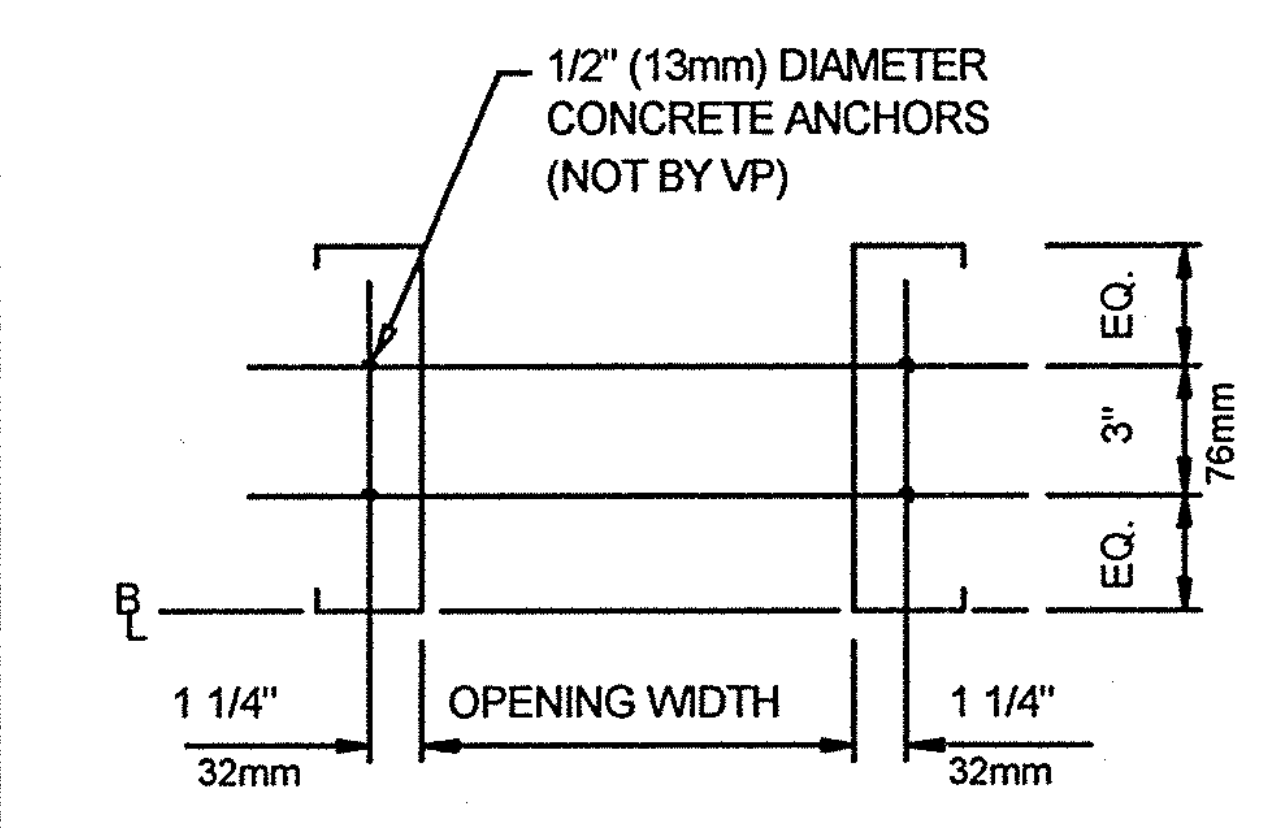


D2 (4) 3/4" Dia. A36 A.Bolts
 Plate W=9" L=1'-1"
 Elevation=100'-0"



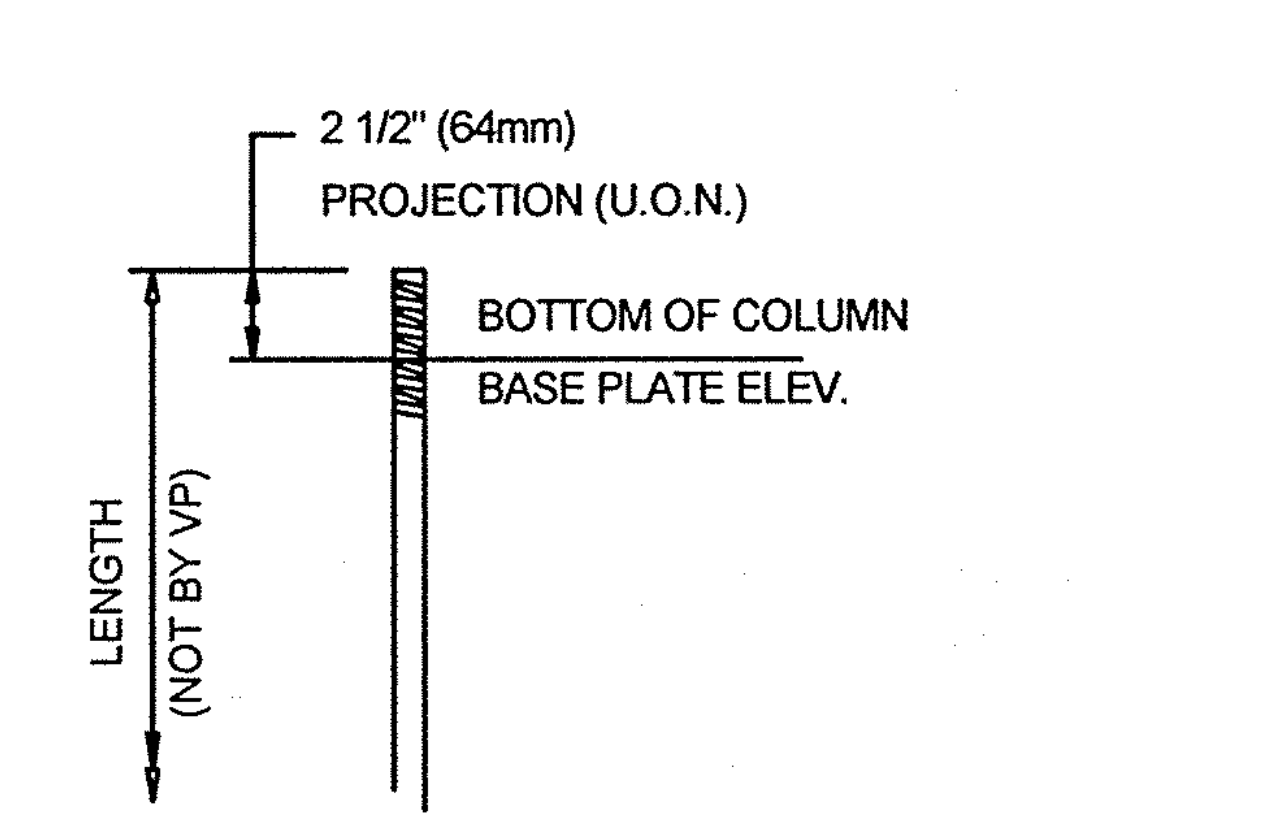
Note:
 Column is Turned 90
 From the Frame Line.

D1 (4) 3/4" Dia. A36 A.Bolts
 Plate W=9" L=1'-1"
 Elevation=100'-0"

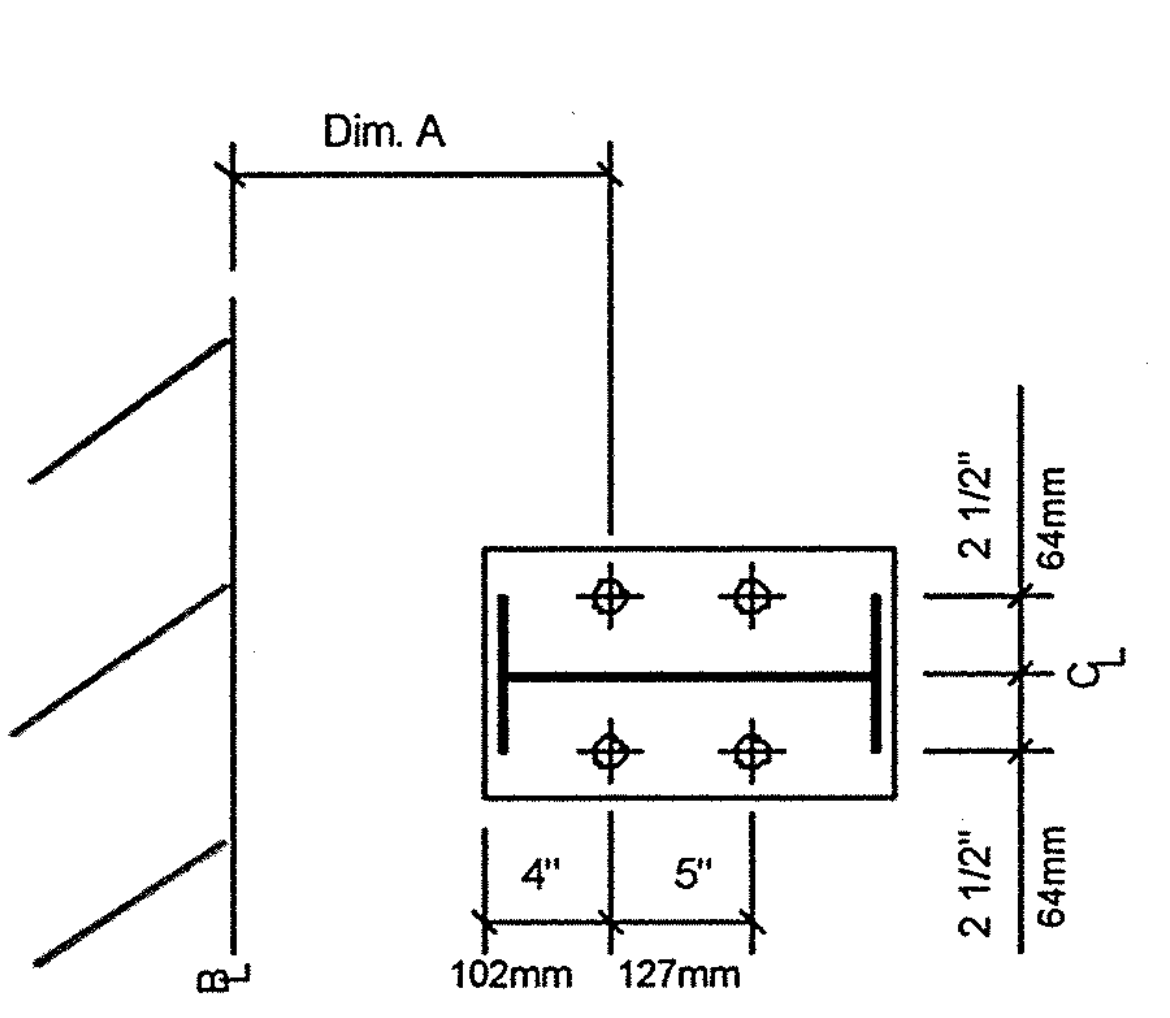


NOTE: 1" (25mm) PROJECTION ABOVE
 BOTTOM OF JAMB CLIP

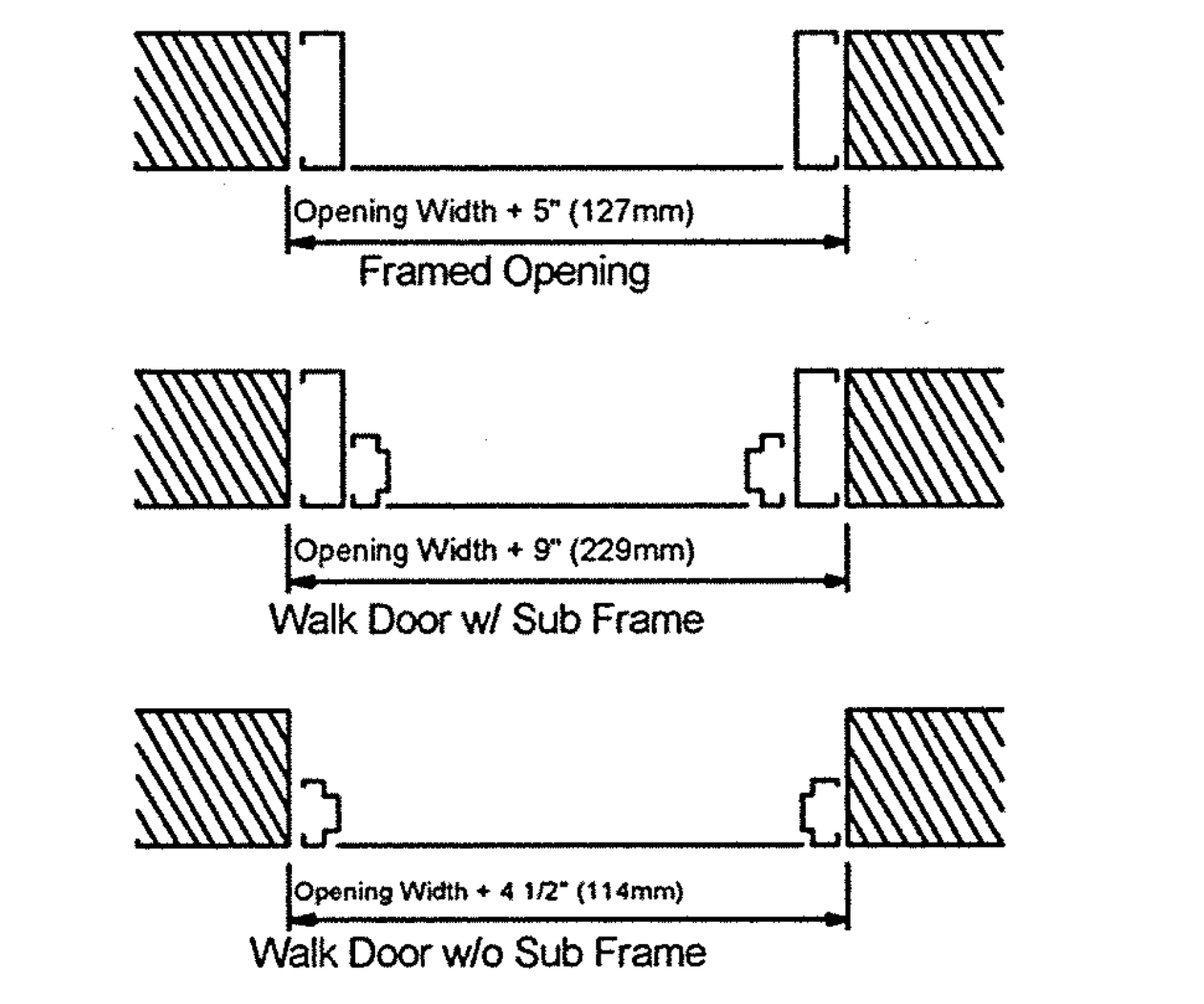
FRAMED OPENING DETAIL



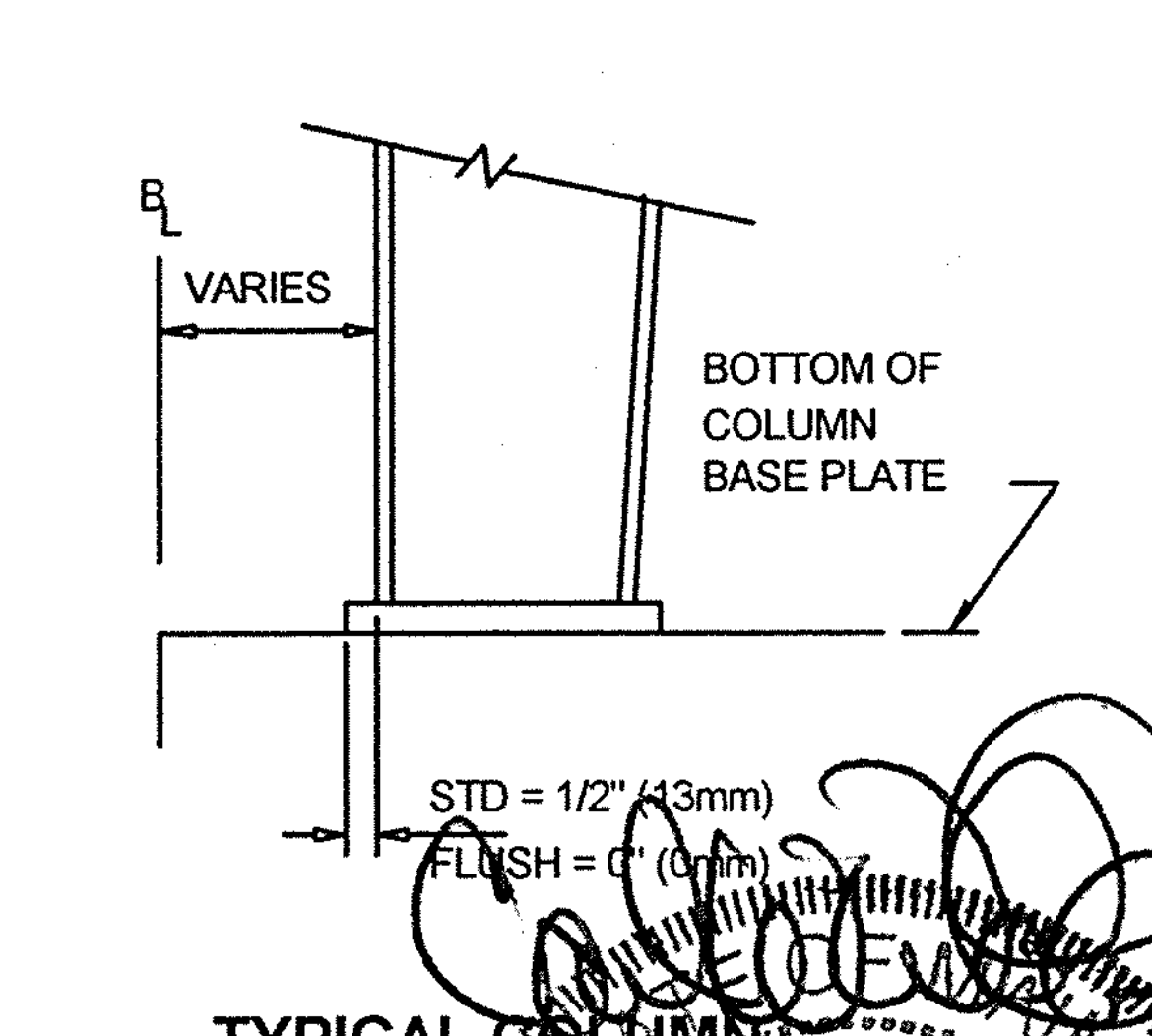
TYPICAL ANCHOR
 BOLT PROJECTION



D4 (4) 3/4" Dia. A36 A.Bolts
 Plate W=10" L=1'-1"
 Elev.=100'-0" Dim A=1'-6 1/2"



FRAMED OPENING AT MASONRY



TYPICAL COLUMN
 BASE PLATE DETAIL

REGISTERED
 PROFESSIONAL ENGINEER
 CARL W. WALKER
 5989

1. CONCRETE, GROUT, ANCHOR BOLTS, AND ANY OTHER EMBEDDED ITEMS ARE TO BE FURNISHED BY OTHERS
 2. ANCHOR BOLT DIAMETERS WERE DETERMINED BY ALLOWABLE SHEAR AND TENSION PER AISC SPECIFICATIONS (FY = 36 KSI). ANCHOR BOLT LENGTH, EFFECTS OF EMBEDDED ANCHOR BOLT EDGE DIMENSIONS AND METHOD OF TRANSFERRING FORCES FROM ANCHOR BOLTS TO FOOTINGS ARE TO BE DETERMINED BY OTHERS.
 3. DESIGN LOADS AND REACTIONS ARE FURNISHED IN THE REACTIONS REPORT.
 4. FOUNDATION MUST BE LEVEL, SQUARE AND SMOOTH. ANCHOR BOLTS MUST BE ACCURATELY PLACED AS SHOWN ON THIS DRAWING OR STEEL WILL NOT FIT.

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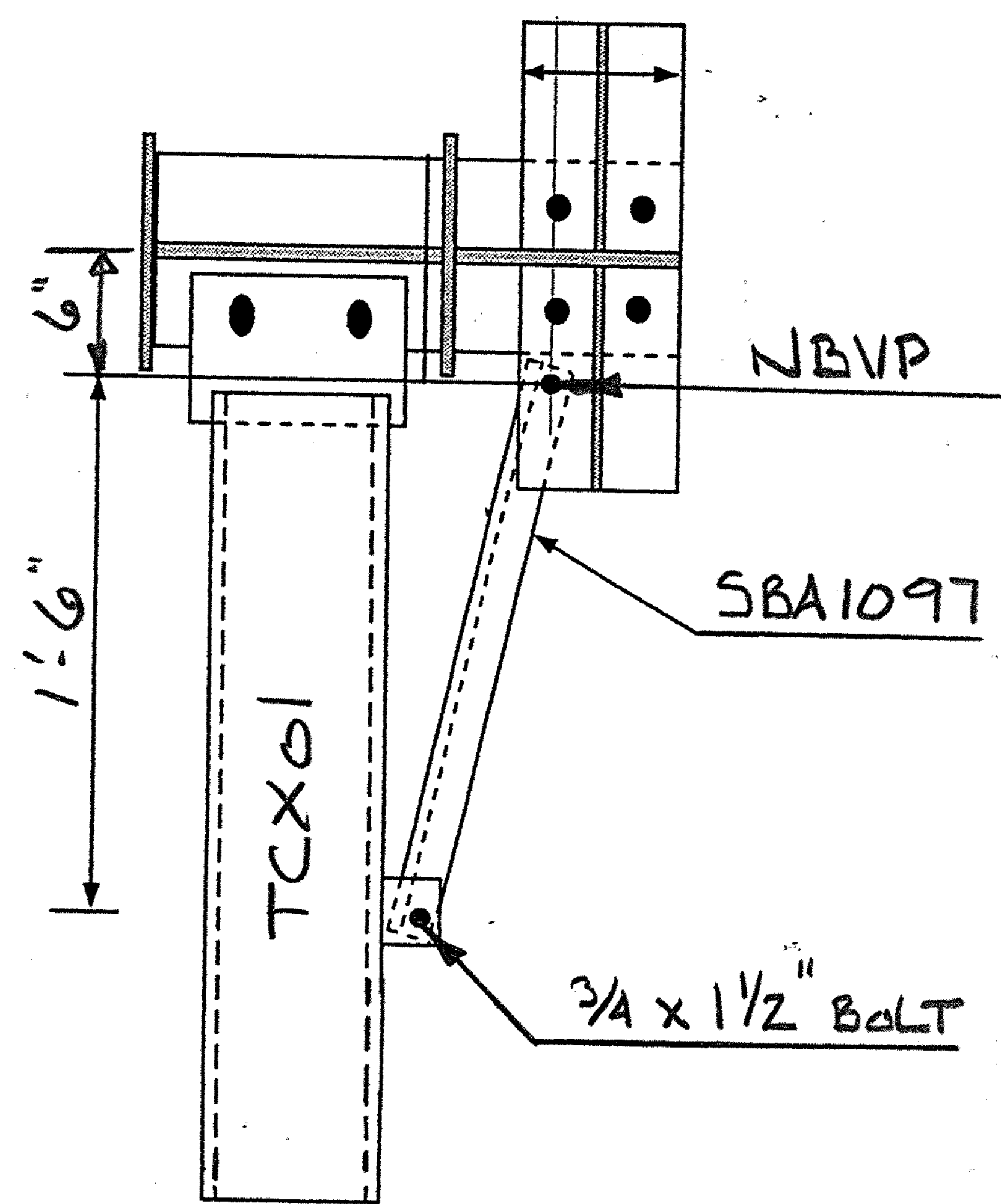
REV	DATE	BY	DESCRIPTION
NTS			

VP Buildings, Inc.
 3200 Players Club Circle Memphis TN 38125

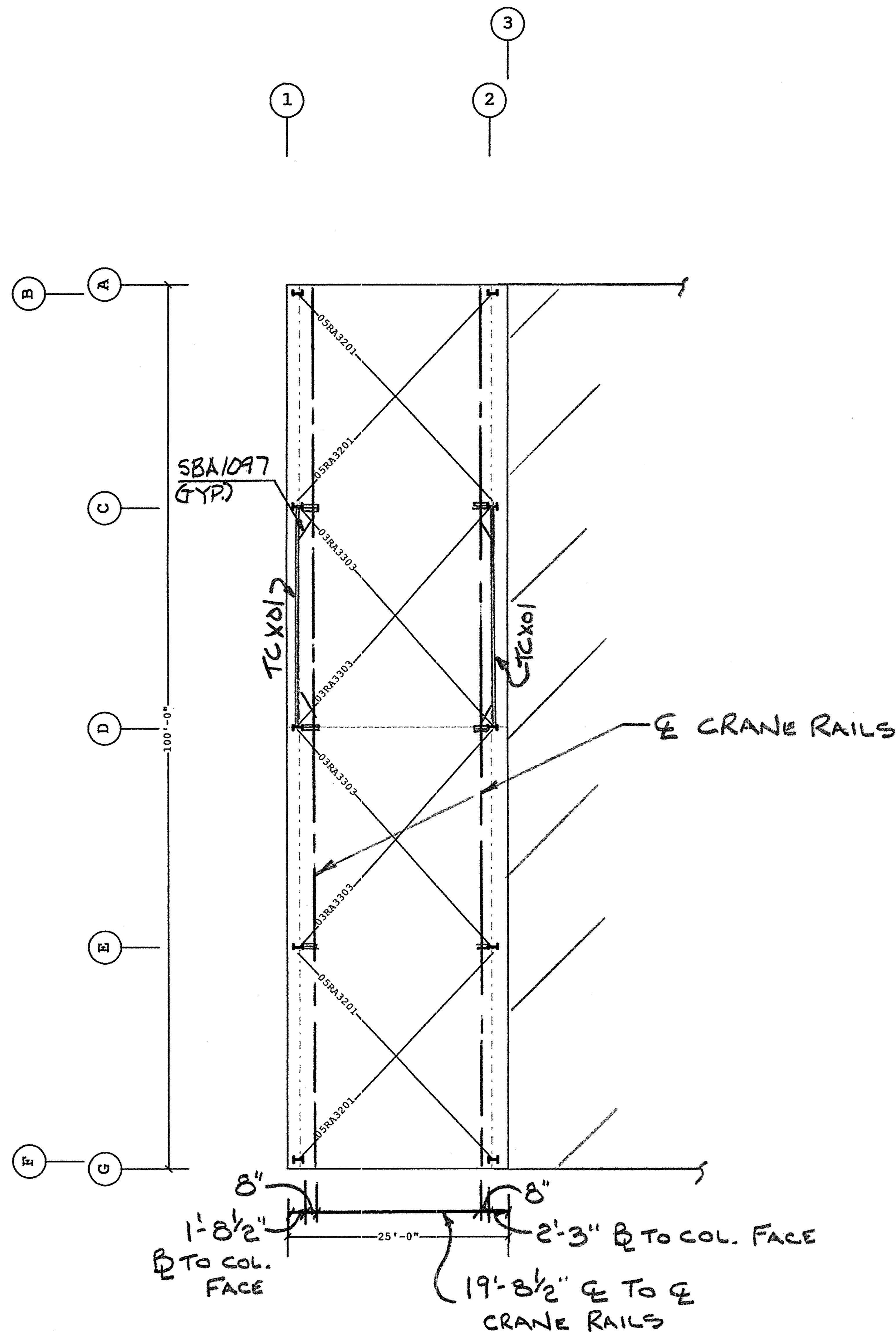
ANCHOR BOLT PLAN

BUILDER PATCO CONSTRUCTION
 CUSTOMER Motion Industries
 LOCATION Portland, Maine
 PROJECT Motion Industries
 BUILDER'S PG#

JOB # W10400750-01
 DATE 7/21/04
 DRAWN/CHECK MAH
 PAGE 3

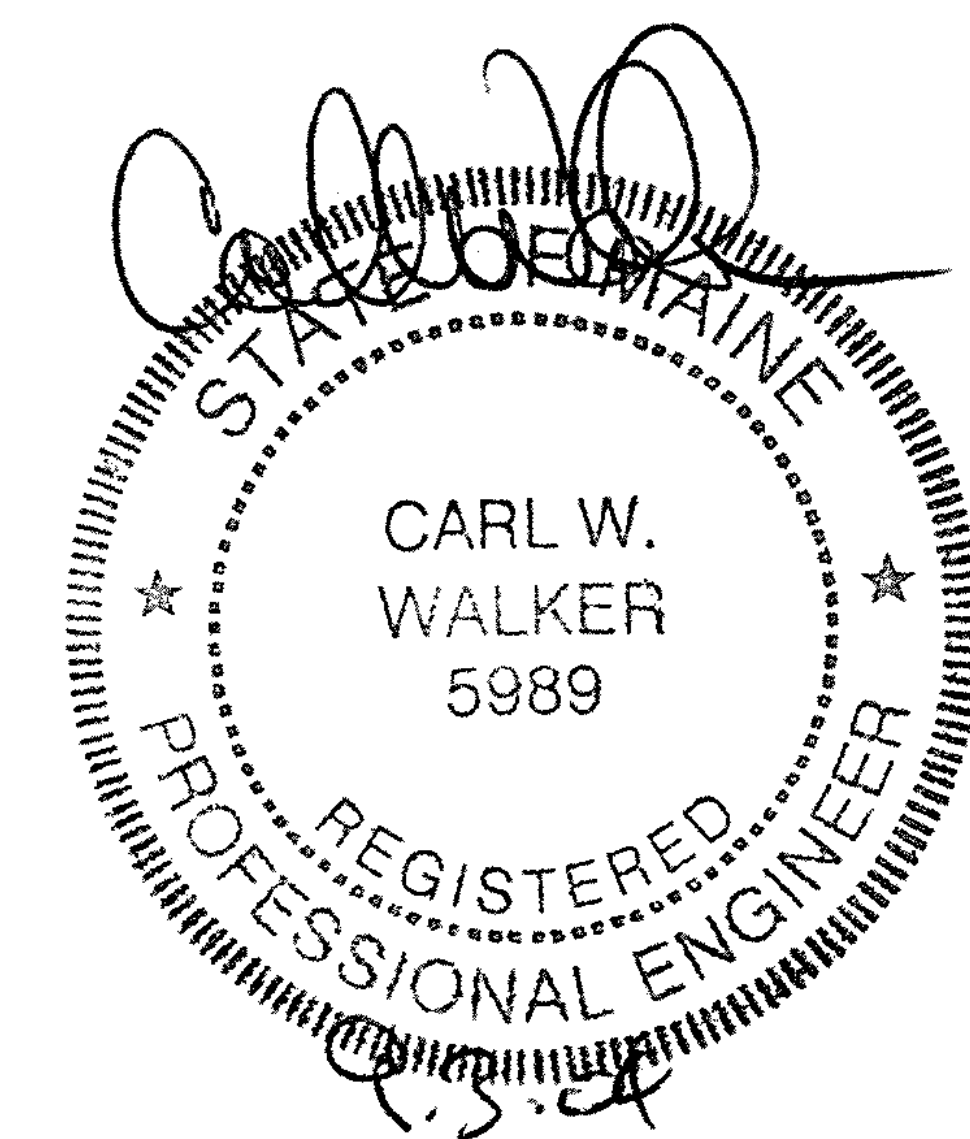


DETAIL @ STRUT



1 1'-0"

□ Dimension Key



LPTJ 9/13

1. USE 1/2 DIA. A325 BOLTS FOR PURLIN TO FRAME, GIRTS TO FRAME, AND GIRTS TO CLIP CONNECTIONS UNLESS NOTED OTHERWISE. SEE JOB DETAILS FOR BOLT LENGTHS.
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.

VP Ref: Shape Name = motion industries

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VP Buildings, Inc.
3200 Players Club Circle Memphis TN 38125

REV	DATE	BY	DESCRIPTION

NTS
7/28/2004 8:33:42

PRIMARY AND ROOF BRACING PLAN

BUILDER	PATCO CONSTRUCTION
CUSTOMER	Motion Industries
LOCATION	Portland, Maine
PROJECT	Motion Industries
BUILDER'S PO#	



VPC VERSION: 5.0b

JOB#	WI0400750-01
DATE	7/21/04
DRAWN/CHECK	MAH
PAGE	4

FILENAME: WI0400750-01OE1.vpc

○ Frame Member Schedule

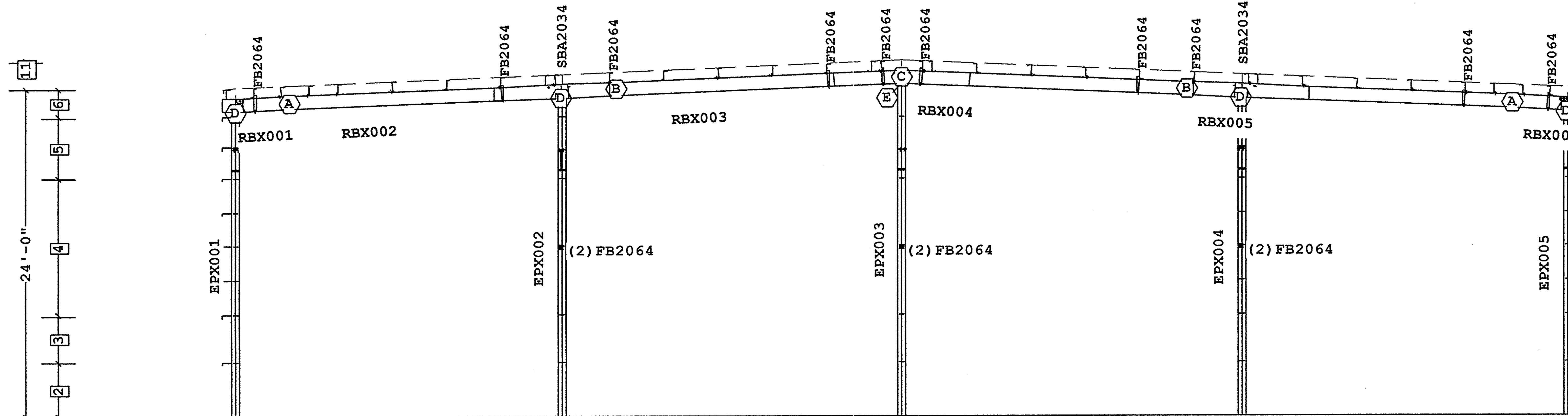
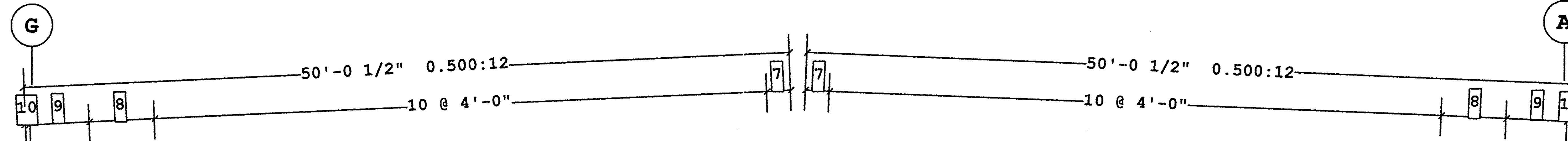
Part	Mem. Width	Thick.	Webthk	Depth1	Depth2	Approx. Lgth
RBX001	1 5"	.1345	.1345	1'-0"	1'-0"	5'-0"
RBX002	3 5"	.2500	.1644	1'-0"	1'-0"	24'-0 1/4"
RBX003	6 5"	.1875	.1345	1'-0"	1'-0"	21'-0 1/4"
RBX004	8 5"	.2500	.1345	1'-0"	1'-0"	21'-0 1/4"
RBX005	9 5"	.1875	.1345	1'-0"	1'-0"	24'-0 1/4"
RBX006	13 5"	.1345	.1345	1'-0"	1'-0"	5'-0 1/2"
EPX001	15 7"	.3125	.1644	1'-0"	1'-0"	22'-4 1/8"
EPX002	16 7"	.3750	.1644	1'-0"	1'-0"	23'-4 1/8"
EPX003	17 7"	.3750	.1644	1'-0"	1'-0"	24'-4 1/2"
EPX004	18 7"	.3750	.1644	1'-0"	1'-0"	23'-4 1/8"
EPX005	19 7"	.3125	.1644	1'-0"	1'-0"	22'-4 1/8"

⊙ A325 Bolt Connection & Plate Schedule

Id	Qty	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	Tension Bolt	Washer
A	4	3/4"	2"	1/2"	1	1		
B	6	3/4"	2"	3/8"	2	1		
C	6	3/4"	2 1/4"	5/8"	2	1		
D	4	1/2"	1 1/2"	3/8"	1	1		
E	4	1/2"	1 1/2"	3/8"	1	1	Yes	

Frame Clearances

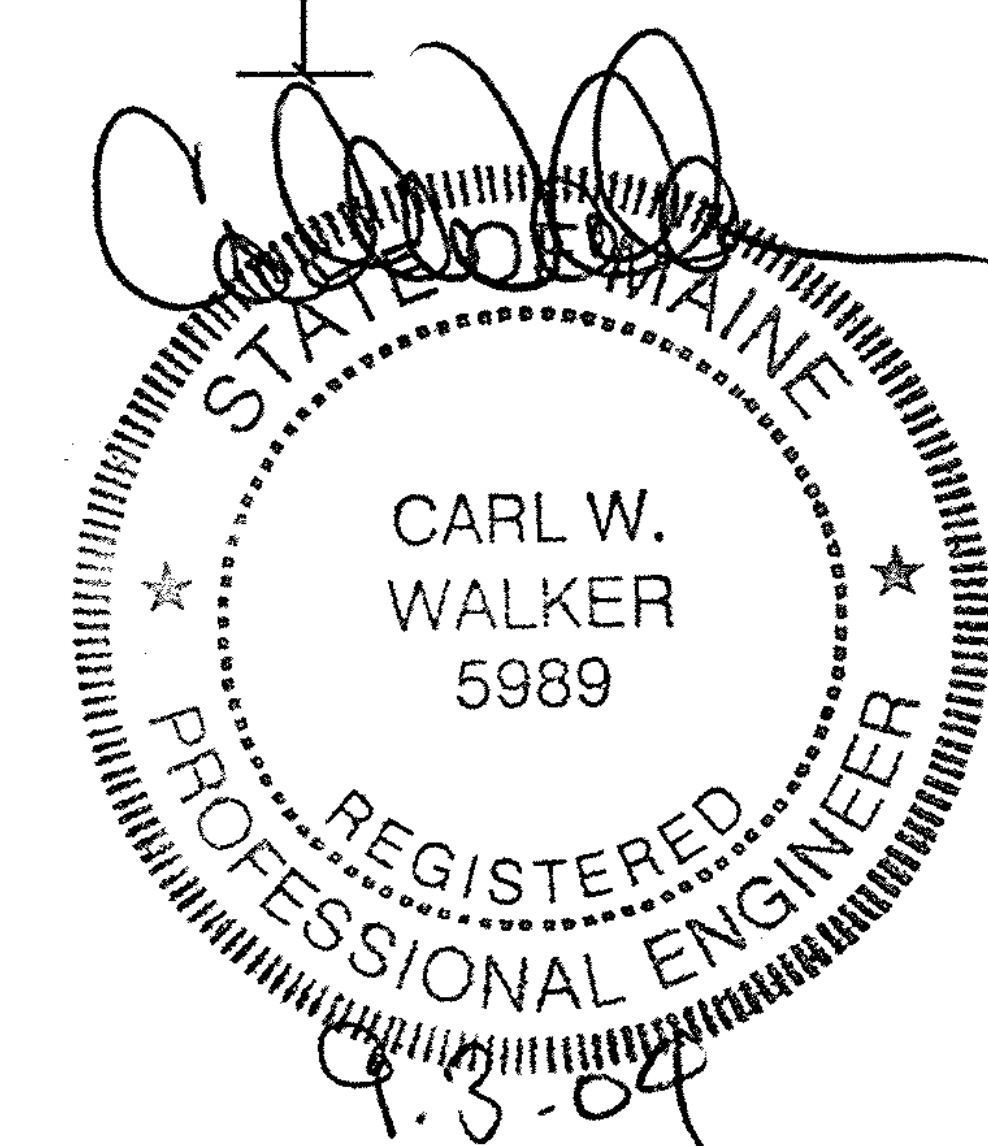
Vert. Clearance at member 15 (EPX001): 22'-4"
 Vert. Clearance at member 16 (EPX002): 23'-4"
 Vert. Clearance at member 17 (EPX003): 24'-4 1/2"
 Vert. Clearance at member 18 (EPX004): 23'-4"
 Vert. Clearance at member 19 (EPX005): 22'-4"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



- 11 26'-1"
- 10 3 7/16"
- 9 2 @ 2'-0"
- 8 2 @ 2'-1 3/8"
- 7 1'-6 3/8"
- 6 2'-0 3/4"
- 5 2 @ 2'-3"
- 4 4 @ 2'-6"
- 3 3'-5 1/4"
- 2 4'-0"
- 1 1'-0"

□ Dimension Key

FRAME CROSS SECTION AT FRAME LINE(S) 1



LPJ 9/3

1. USE 1/2 DIA. A325 BOLTS FOR PURLIN TO FRAME, GIRT TO FRAME, AND GIRT TO CLIP CONNECTIONS UNLESS NOTED OTHERWISE. SEE JOB DETAILS FOR BOLT LENGTHS. 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 SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF VP BUILDINGS.	VP Buildings, Inc. 3200 Players Club Circle Memphis TN 38125	FRAME CROSS SECTION AT FRAME LINE(S) 1	
				BUILDER PATCO CONSTRUCTION CUSTOMER Motion Industries LOCATION Portland, Maine PROJECT Motion Industries BUILDER'S PO#	JOB # W10400750-01 DATE 9/2/04 DRAWN/CHECK AMZ NC PAGE 5

○ Frame Member Schedule

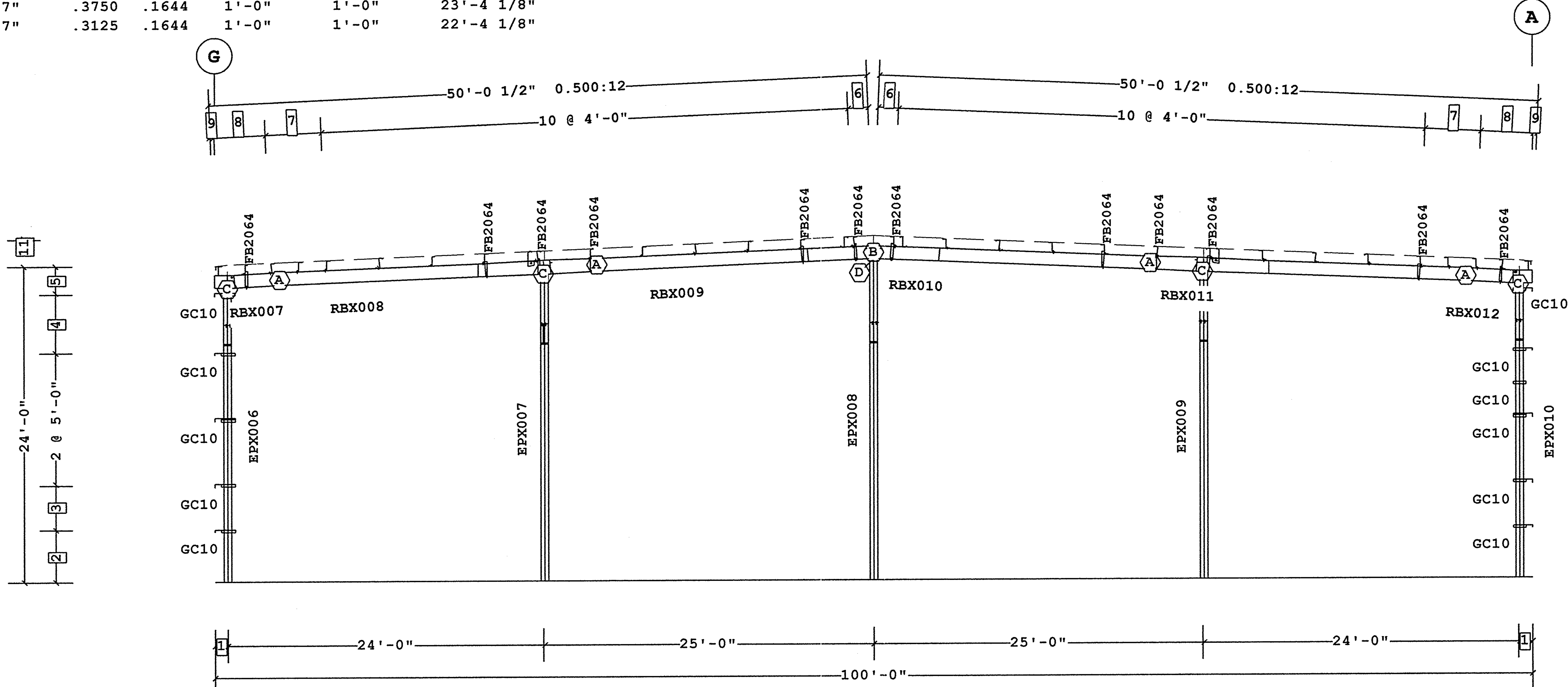
Part	Mem. Width	Thick.	Webthk	Depth1	Depth2	Approx. Lgth
RBX007	1 5"	.1875	.1345	1'-0"	1'-0"	5'-0"
RBX008	3 5"	.1875	.1345	1'-0"	1'-0"	24'-0 1/4"
	4 5"	.3125	.1345	1'-0"	1'-0"	
RBX009	6 5"	.1345	.1345	1'-0"	1'-0"	21'-0 1/4"
	7 5"	.2500	.1345	1'-0"	1'-0"	
RBX010	8 5"	.2500	.1345	1'-0"	1'-0"	21'-0 1/4"
	9 5"	.1345	.1345	1'-0"	1'-0"	
RBX011	10 5"	.3125	.1345	1'-0"	1'-0"	24'-0 1/4"
	12 5"	.1875	.1345	1'-0"	1'-0"	
RBX012	13 5"	.1875	.1345	1'-0"	1'-0"	5'-0 1/2"
EPX006	15 7"	.3125	.1644	1'-0"	1'-0"	22'-4 1/8"
EPX007	16 7"	.3750	.1644	1'-0"	1'-0"	23'-4 1/8"
EPX008	17 7"	.3750	.1644	1'-0"	1'-0"	24'-4 1/2"
EPX009	18 7"	.3750	.1644	1'-0"	1'-0"	23'-4 1/8"
EPX010	19 7"	.3125	.1644	1'-0"	1'-0"	22'-4 1/8"

○ A325 Bolt Connection & Plate Schedule

Id	Qty	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	Tension Bolt	Washer
A	4	3/4"	2"	1/2"	1	1		
B	6	3/4"	2 1/4"	5/8"	2	1		
C	4	1/2"	1 1/2"	3/8"	1	1		
D	4	1/2"	1 1/2"	3/8"	1	1		Yes

Frame Clearances

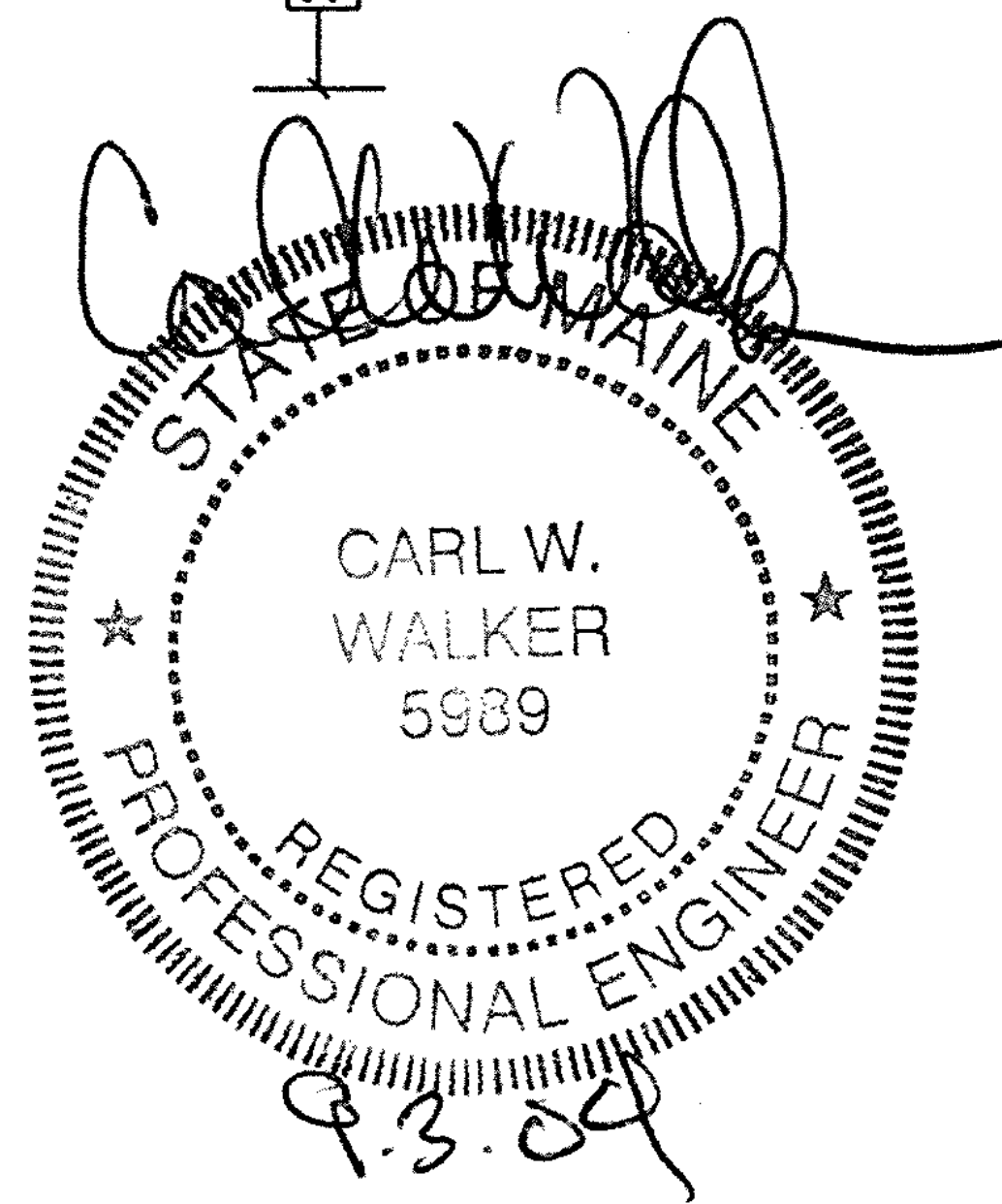
Vert. Clearance at member 15 (EPX006) : 22'-4"
 Vert. Clearance at member 16 (EPX007) : 23'-4"
 Vert. Clearance at member 17 (EPX008) : 24'-4 1/2"
 Vert. Clearance at member 18 (EPX009) : 23'-4"
 Vert. Clearance at member 19 (EPX010) : 22'-4"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 2

- 11 26'-1"
- 10 2 @ 5'-0"
- 9 3 7/16"
- 8 2 @ 2'-0"
- 7 2 @ 2'-1 3/8"
- 6 1'-6 3/8"
- 5 2'-0 3/4"
- 4 4'-6"
- 3 3'-5 1/4"
- 2 4'-0"
- 1 1'-0"

□ Dimension Key



LPJ 9/3

1. USE 1/2 DIA. A325 BOLTS FOR PURLINE TO FRAME, GIRTS TO FRAME, AND GIRTS TO CLIP CONNECTIONS UNLESS NOTED OTHERWISE. SEE JOB DETAILS FOR BOLT LENGTHS. 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 SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF VP BUILDINGS.	VP Buildings, Inc. 3200 Players Club Circle Memphis TN 38125		FRAME CROSS SECTION AT FRAME LINE(S) 2	
			REV DATE BY DESCRIPTION	BUILDER PATCO CONSTRUCTION CUSTOMER Motion Industries LOCATION Portland, Maine PROJECT Motion Industries BUILDER'S PO#	JOB # WI0400750-01 DATE 9/2/04 DRAWN/CHECK AMZ NC PAGE 6	

Part Mark Key

- 1 SA4022
- 2 SA2036
- 3 SA2024
- 4 SA2023

(+) SSR Fixed Clip Location

Non-Std Secondary Part Schedule

Part	Thick.	Depth	Lap
001T2411411	0.1200	8 1/2"	0'-0"
001U2411415	0.0730	8 1/2"	0'-0"

Sag Angle Schedule

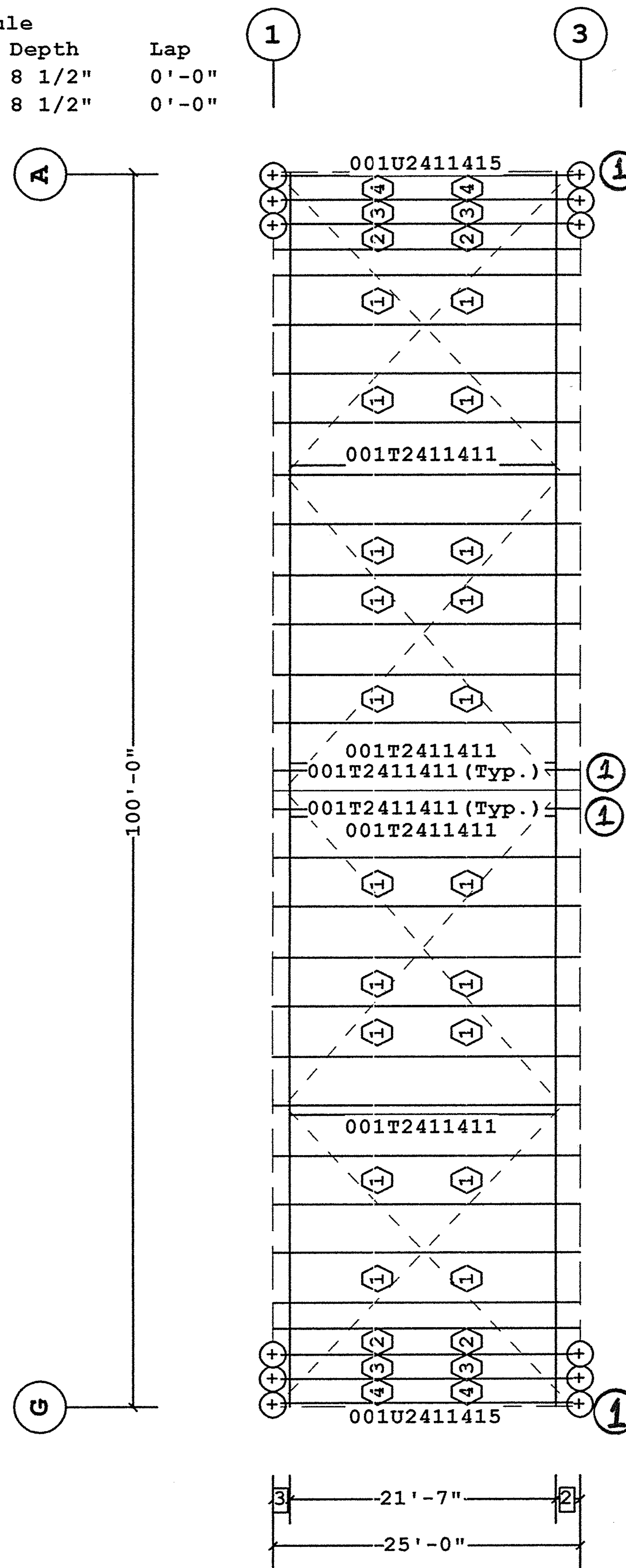
- (40)SA4022 Typ. at 4'-0" spaces
- (8)SA2036 Typ. at 2'-1 3/8" spaces
- (8)SA2024 Typ. at 2'-0" spaces
- (8)SA2023 Typ. at 2'-0" spaces

See SED: BR09A5 for installation

See Part Mark Key for Sag Angle X-ing location

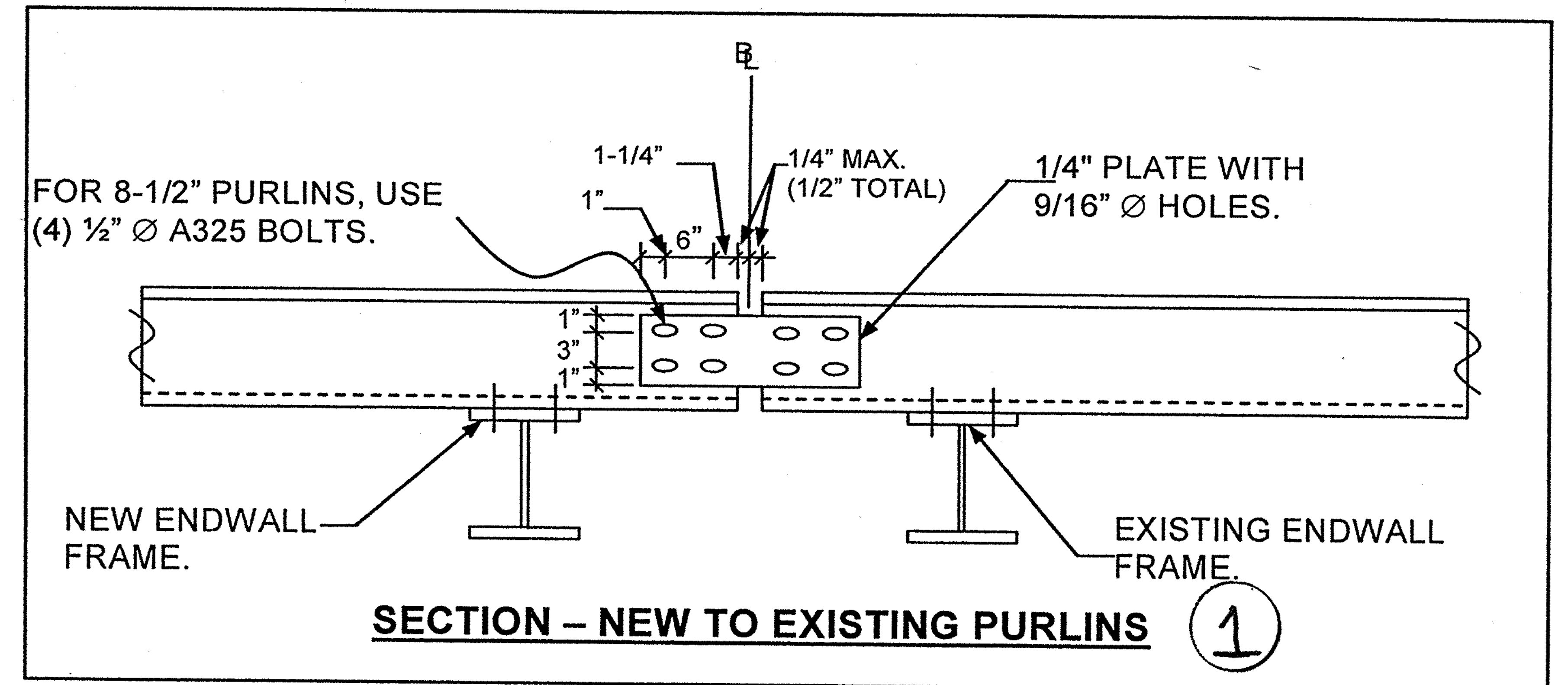
- 3 1'-5"
- 2 2'-0"
- 1 1'-0"

Dimension Key



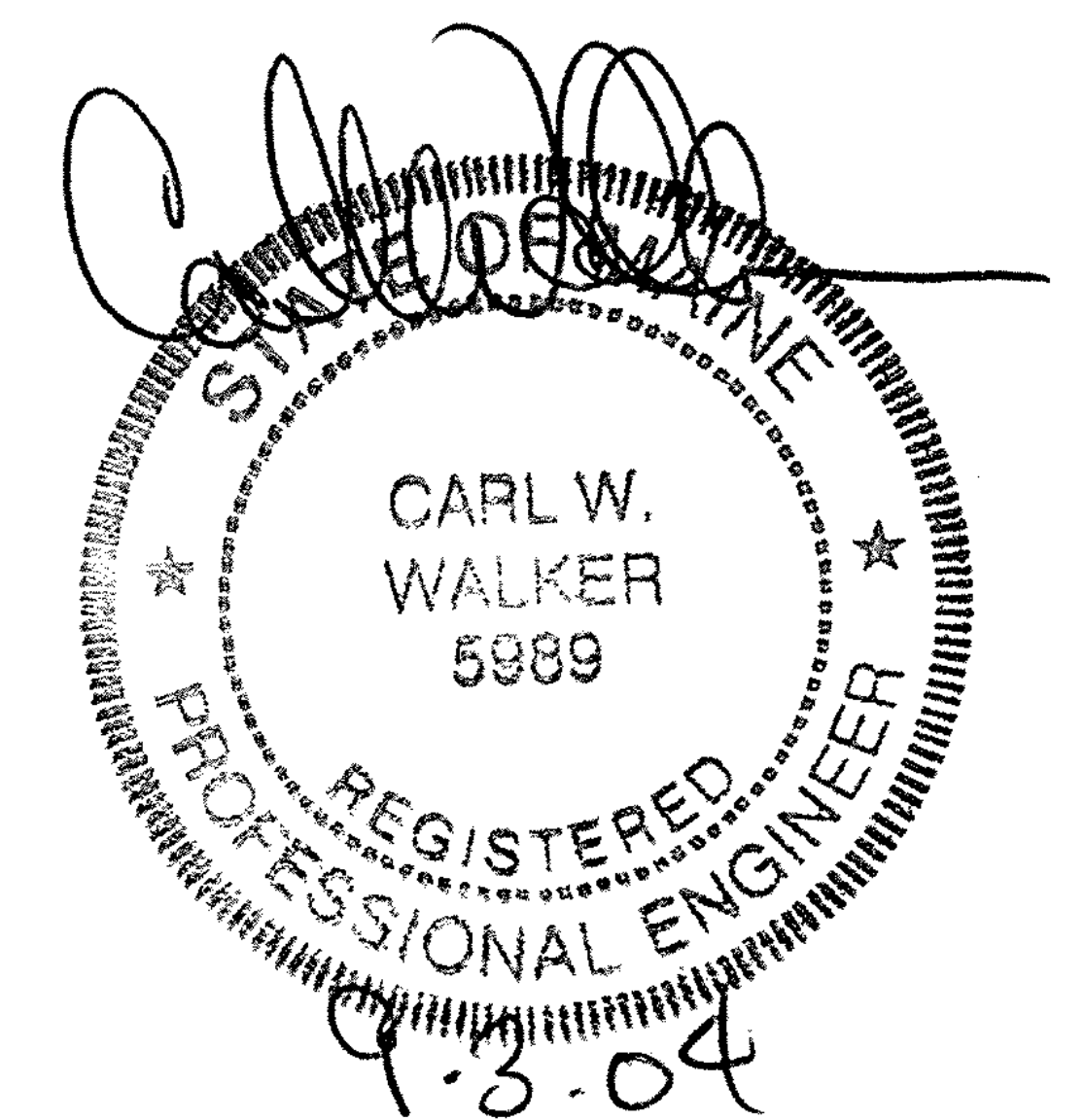
ROOF SECONDARY PLAN

VP Ref: Shape Name = motion industries



NOTES FOR NEW-TO-EXISTING PURLIN CONNECTION:

1. Use 1/2" Ø A325 bolts.
2. If holes are not existing, field drill new holes. Drill ONLY, do not burn holes.

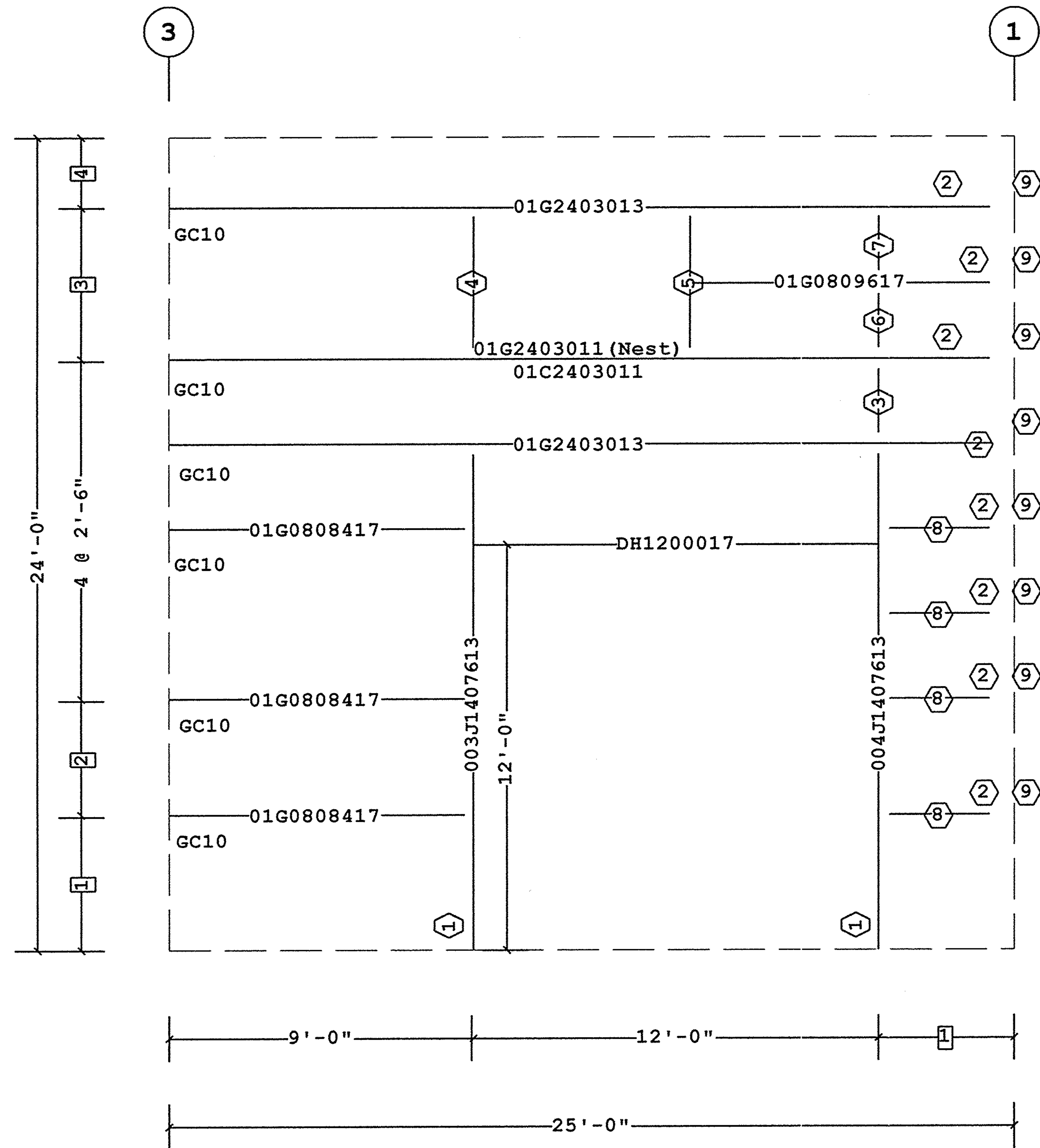


LPJ 9/3

<p>1. UNLESS NOTED, USE 1/2 DIAMETER A-325 BOLTS FOR PURLIN LAP, PURLIN TO FRAME, FLANGE BRACE TO FRAME, AND FLANGE BRACE TO PURLIN CONNECTIONS. SEE JOB DETAILS FOR BOLT LENGTHS.</p> <p>2. WIND, FLANGE, AND PURLIN BRACING ARE AN INTEGRAL PART OF THE ROOF STRUCTURAL SYSTEM AND SHOULD BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS. REMOVAL OR ALTERATION OF ROOF BRACING WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.</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 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 CONFORMANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE VP ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.</p>	<p>VP Buildings, Inc. 3200 Players Club Circle Memphis TN 38125</p>		<p>ROOF SECONDARY PLAN</p>		<p>JOB # WI0400750-01</p>				
			<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DATE	BY	DESCRIPTION				
REV	DATE	BY	DESCRIPTION								
<p>NTS</p>	<p>LOCATION Portland, Maine</p>	<p>PROJECT Motion Industries</p>	<p>DRAWN/CHECK ANZ NC</p>								
<p>9/3/2004</p>	<p>7:55:15</p>	<p>VP BUILDINGS VARCO/PRUDEN</p>	<p>PAGE 7</p>								

Part Mark Key

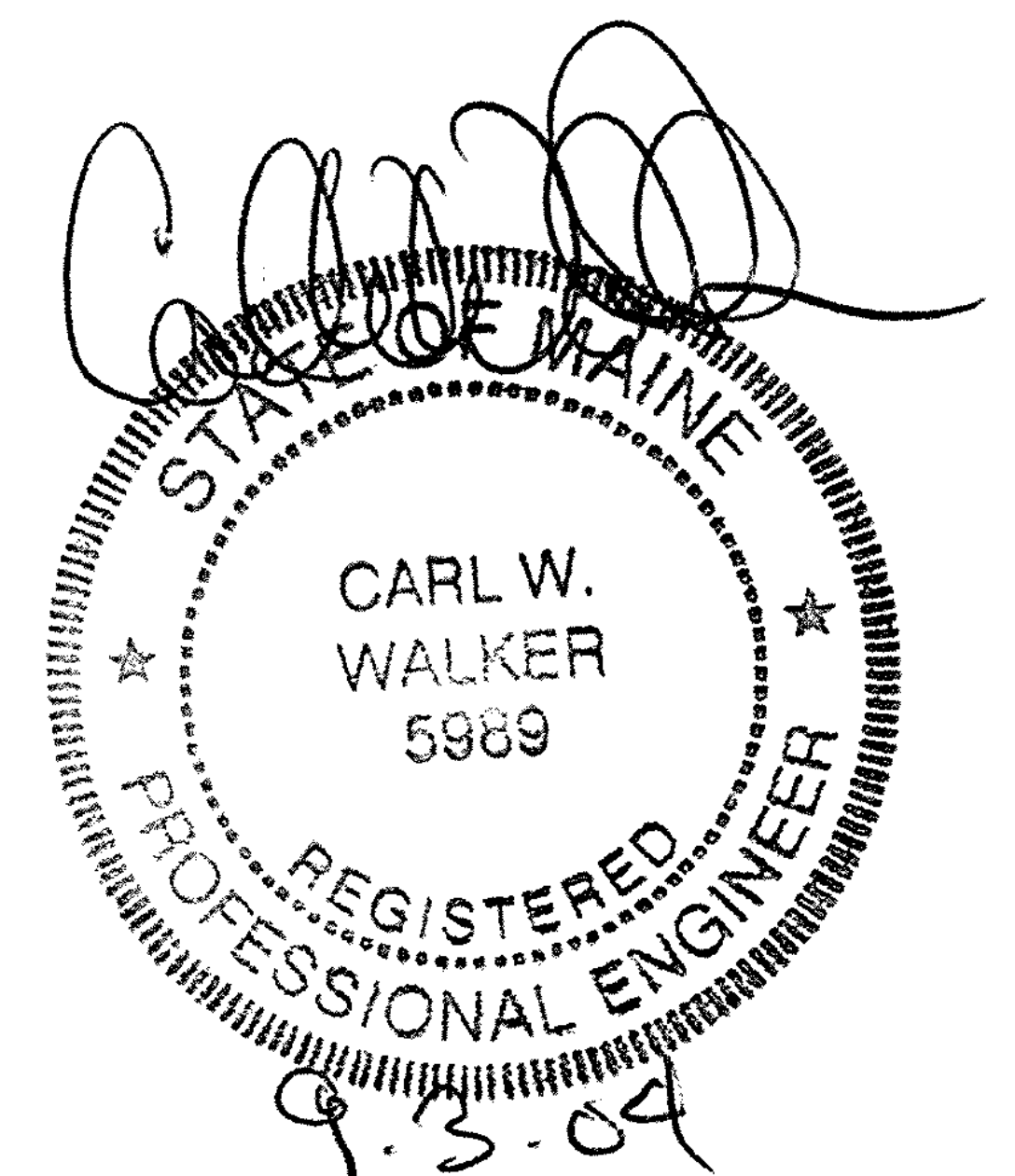
- 1 JBC1
- 2 GCC072084
- 3 006J0111017
- 4 007J0311017
- 5 002J0311017
- 6 008J0108017
- 7 009J0108017
- 8 01G0300017
- 9 GFA106



SECONDARY ELEVATION AT A

- 4 2'-0 3/4"
- 3 4'-6"
- 2 3'-5 1/4"
- 1 4'-0"

Dimension Key



LPS 9/3

<p>1. UNLESS NOTED, USE 1/2 DIAMETER A-325 BOLTS FOR GIRT LAP, GIRT TO FRAME, FLANGE BRACE TO FRAME, FLANGE BRACE TO GIRT, JAMB AND HEADER CONNECTIONS. SEE JOB DETAILS FOR BOLT LENGTHS.</p> <p>2. WIND AND FLANGE BRACING ARE AN INTEGRAL PART OF THE WALL STRUCTURAL SYSTEM AND SHOULD BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS. REMOVAL OR ALTERATION OF WALL BRACING WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.</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>VP Ref: Shape Name = motion industries, Wall = 2</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 SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF VP BUILDINGS.</p>	<p>VP Buildings, Inc. 3200 Players Club Circle Memphis TN 38125</p>		<p>SECONDARY ELEVATION AT A</p>																							
				<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DATE	BY	DESCRIPTION													<table border="1"> <tr> <td>BUILDER</td> <td>PATCO CONSTRUCTION</td> </tr> <tr> <td>CUSTOMER</td> <td>Motion Industries</td> </tr> <tr> <td>LOCATION</td> <td>Portland, Maine</td> </tr> <tr> <td>PROJECT</td> <td>Motion Industries</td> </tr> <tr> <td>BUILDER'S PC#</td> <td> </td> </tr> </table>	BUILDER	PATCO CONSTRUCTION	CUSTOMER	Motion Industries	LOCATION	Portland, Maine	PROJECT	Motion Industries
REV	DATE	BY	DESCRIPTION																										
BUILDER	PATCO CONSTRUCTION																												
CUSTOMER	Motion Industries																												
LOCATION	Portland, Maine																												
PROJECT	Motion Industries																												
BUILDER'S PC#																													

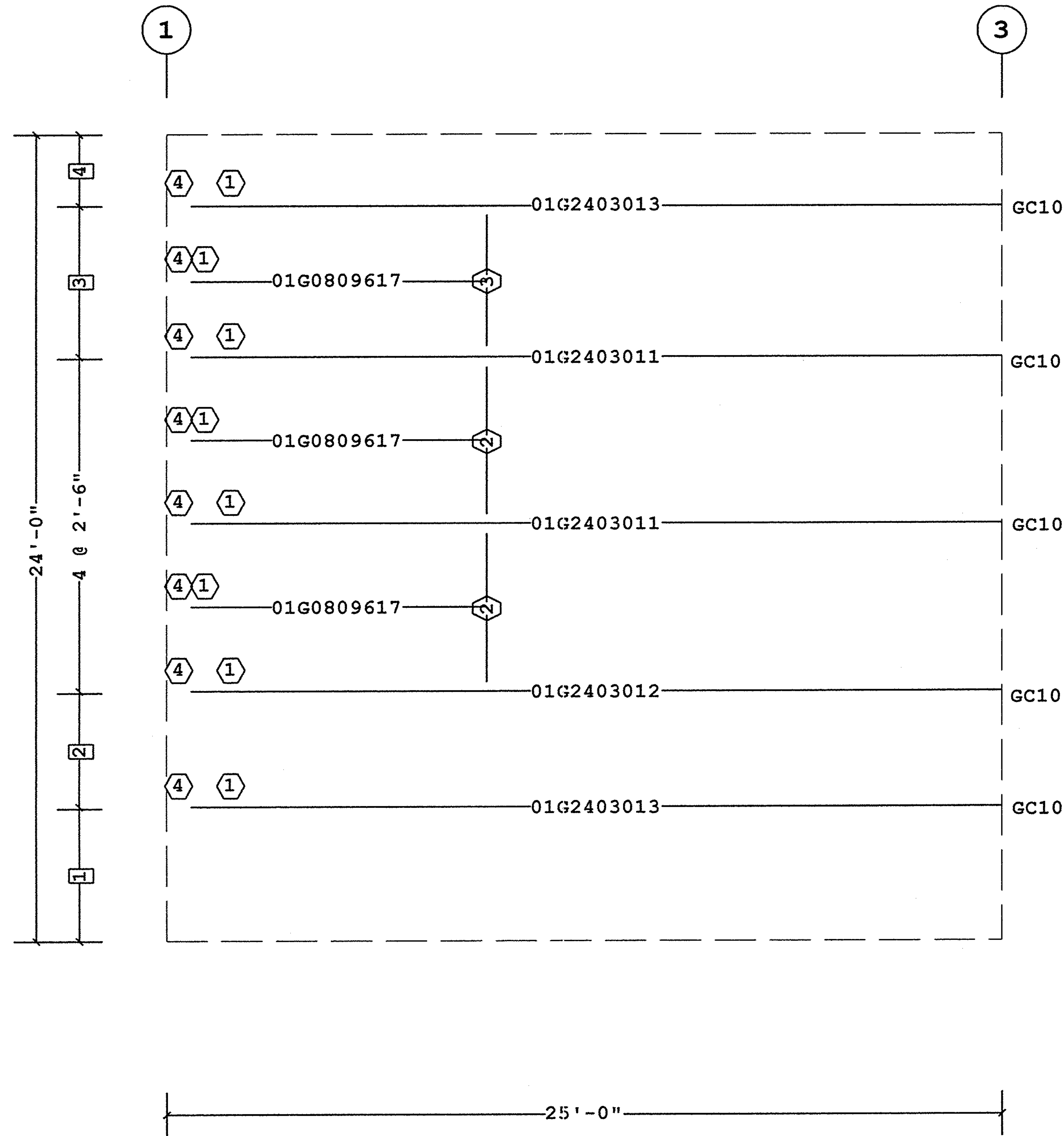
9/3/2004

7:39:18

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Part Mark Key

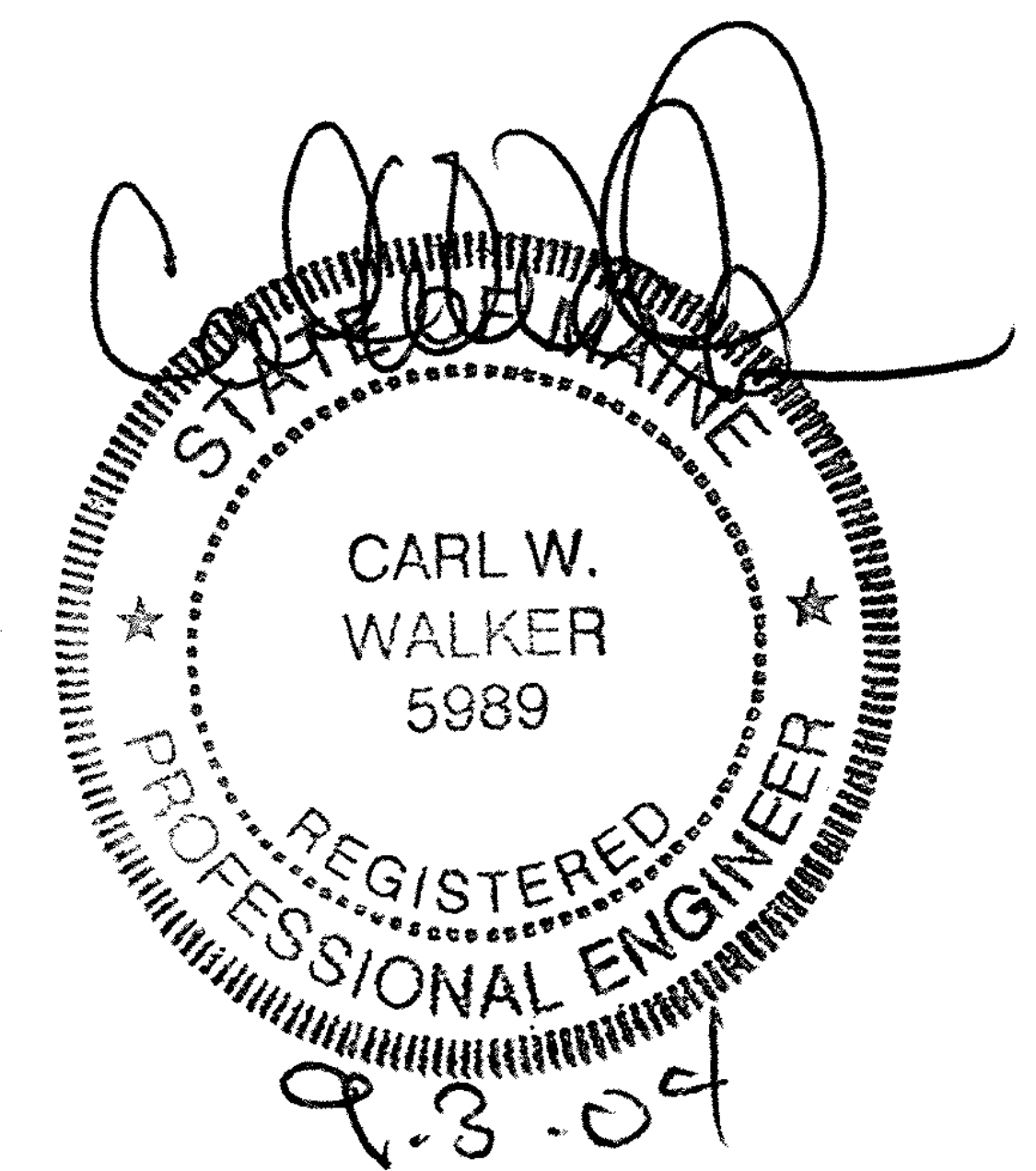
- 1 GCC072084
- 2 001J0405017
- 3 002J0311017
- 4 GFA106



SECONDARY ELEVATION AT G

- 4 2'-0 3/4"
- 3 4'-6"
- 2 3'-5 1/4"
- 1 4'-0"

Dimension Key



LPJ 9/3

VP Ref: Shape Name = motion industries, Wall = 4

1. UNLESS NOTED, USE 1/2 DIAMETER A-325 BOLTS FOR GIRT LAP, GIRT TO FRAME, FLANGE BRACE TO FRAME, FLANGE BRACE TO GIRT, JAMB AND HEADER CONNECTIONS. SEE JOB DETAILS FOR BOLT LENGTHS.
 2. WIND AND FLANGE BRACING ARE AN INTEGRAL PART OF THE WALL STRUCTURAL SYSTEM AND SHOULD BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS. REMOVAL OR ALTERATION OF WALL BRACING WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.

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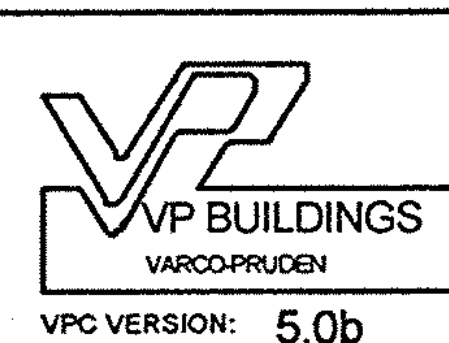
VP Buildings, Inc.
 3200 Players Club Circle Memphis TN 38125

REV	DATE	BY	DESCRIPTION

NTS
 9/3/2004 7:39:20

SECONDARY ELEVATION AT G

BUILDER	PATCO CONSTRUCTION
CUSTOMER	Motion Industries
LOCATION	Portland, Maine
PROJECT	Motion Industries
BUILDER'S PO#	



VPC VERSION: 5.0b

JOB #	WI0400750-01
DATE	9/2/04
DRAWN/CHECK	AMZ NC
PAGE	9

FILENAME: Copy of WI0400750-01OE1.vpc

Covering Schedule						
Id	Qty	Type	Length	Gage	OP	Fin. Color
#87	14	SSR	49'-9"	24	2	G TD
#88	14	SSR	49'-9"	24	2	G TD

Oper. Code: 2=SQ, SQ
 Finish: G=Galvalume
 Color: TD=Standard Color

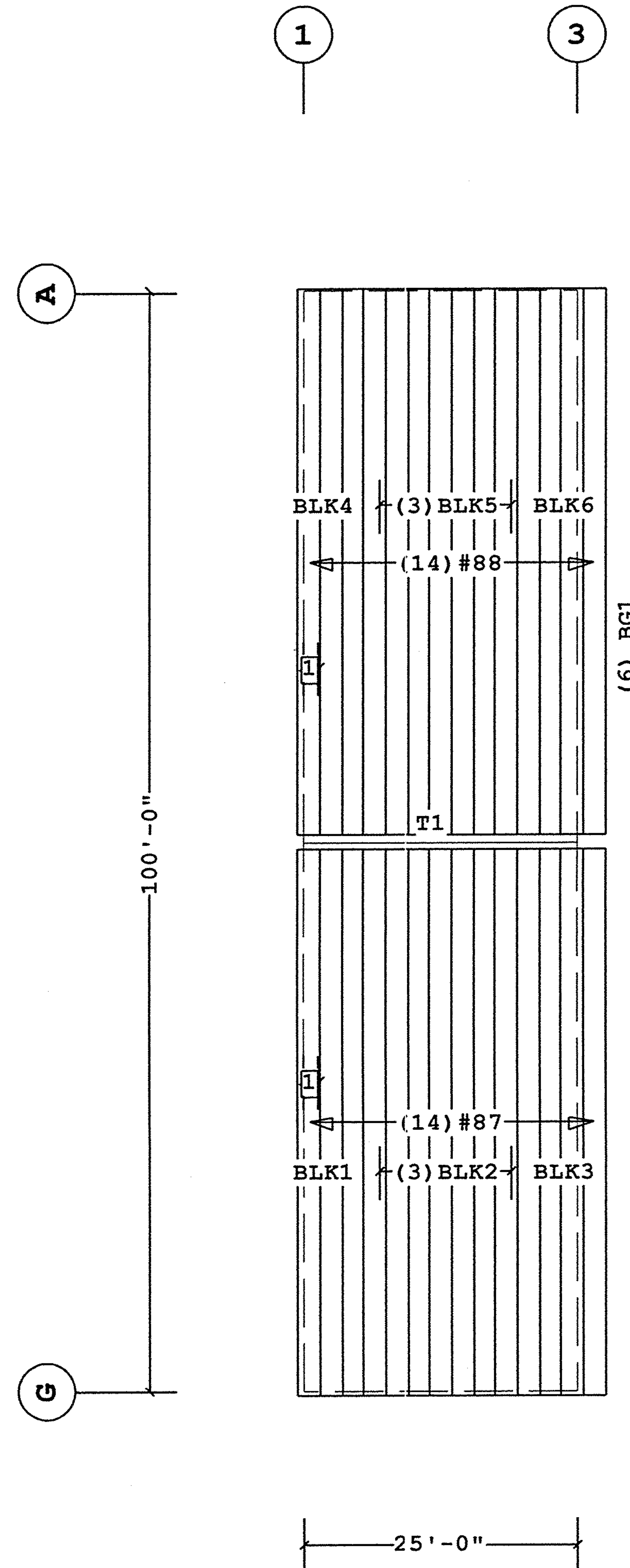
Trim Schedule		
Id	Parts	Color
T1	SRCF06, (3) SRCF10, SRCM06, (3) SRCM10	Match Roof Color

Details RC34A7, RC34H1, RC34H3, RC34H4

Insulation Schedule (Install in same direction as Covering)

Id	Qty	Type	Start Run	Last Run	Thick.	Facing
BLK1	1	IB	54'-0"		6.00	PL
BLK2	3	IB	54'-0"	54'-0"	6.00	PL
BLK3	1	IB	54'-0"		6.00	PL
BLK4	1	IB	53'-0"		6.00	PL
BLK5	3	IB	53'-0"	53'-0"	6.00	PL
BLK6	1	IB	53'-0"		6.00	PL

Starter Width= 4'-0", Interm. Width= 6'-0", End Width= 4'-0"
 Location =Outside Secondary Structural
 Direction =Across Secondary Structural
 Type: IB=Fiberglass Blanket
 Facing: PL=Polypropylene Scrim Kraft, Light Duty



ROOF COVERING PLAN

Ice Damming Conditions Exist
 - (Field Repair Fastener)
 (1 bags) #55308 #17-14x1" S.S. Roof Fastener

1 1'-9" Starter Panel (Cut Dim. = 1'-10")
 Dimension Key



LPTJ 9/3

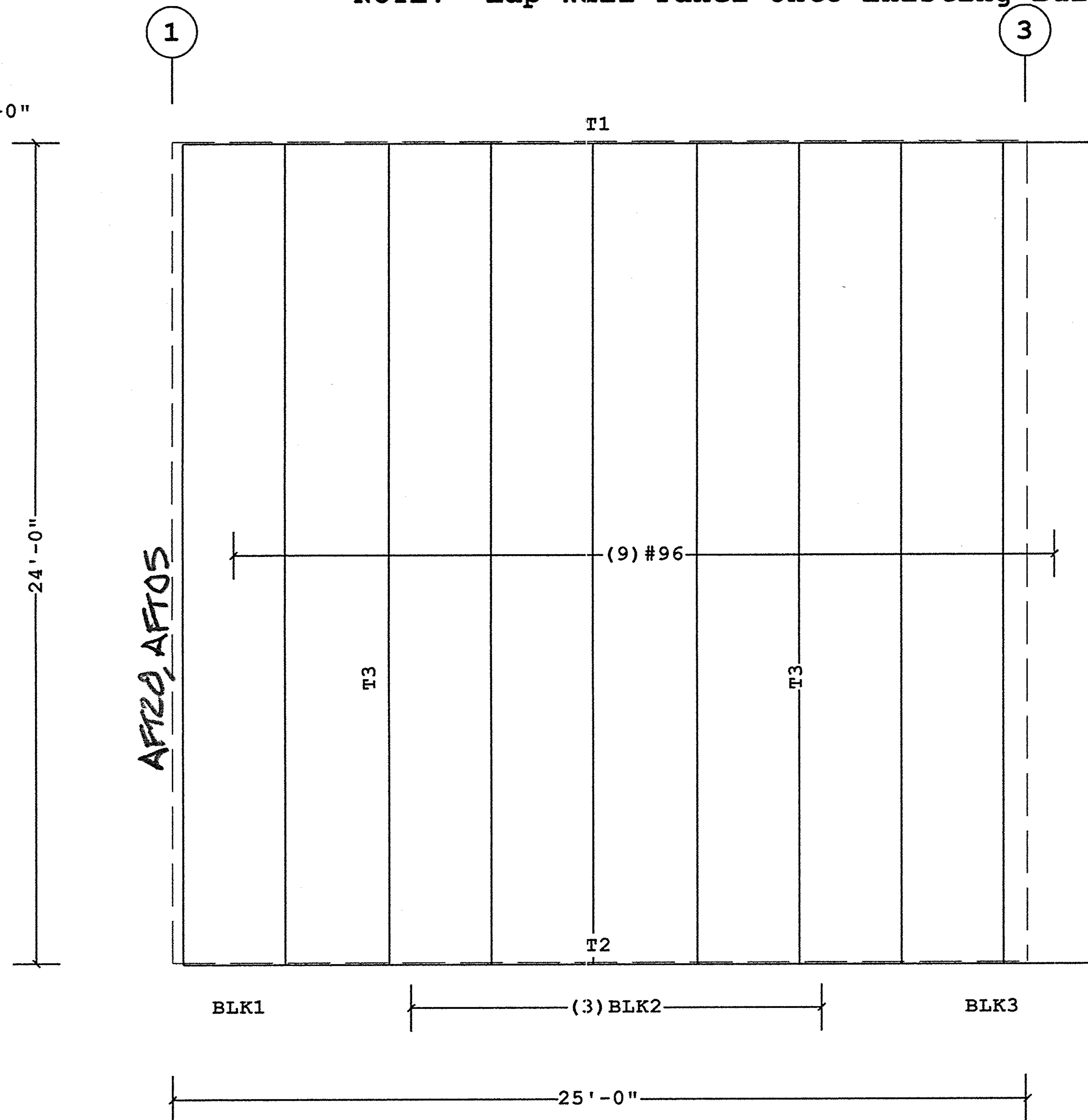
1. PRE-DRILLING 1/8 DIAMETER HOLES FOR ROOF STRUCTURAL FASTENERS MAY BE REQUIRED AT 11 GAGE PURLINS, NESTED PURLINS, PURLIN LAP LOCATIONS, AND/OR SECONDARY STRUCTURAL BEAMS 2. ROOF SHEETS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM, REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED. 3. SEE JOB DETAILS FOR SHEETING AND TRIM FASTENER SPECIFICATION. 4. FOR PR PANEL, PRE-DRILLING OF SIDELAP FASTENERS REQUIRED DUE TO THE ABSENCE OF A PURLIN BEARING EDGE. SEE SED RC03B1.	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 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 CONFORMANCE WITH THIS DRAWING. DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE VP ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACINGS.	VP Buildings, Inc. 3200 Players Club Circle Memphis TN 38125		ROOF COVERING PLAN																							
			<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DATE	BY	DESCRIPTION					<table border="1"> <tr> <td>BUILDER</td> <td>PATCO CONSTRUCTION</td> </tr> <tr> <td>CUSTOMER</td> <td>Motion Industries</td> </tr> <tr> <td>LOCATION</td> <td>Portland, Maine</td> </tr> <tr> <td>PROJECT</td> <td>Motion Industries</td> </tr> <tr> <td>BUILDER'S POF</td> <td> </td> </tr> </table>	BUILDER	PATCO CONSTRUCTION	CUSTOMER	Motion Industries	LOCATION	Portland, Maine	PROJECT	Motion Industries	BUILDER'S POF		<table border="1"> <tr> <td>JOB #</td> <td>WI0400750-01</td> </tr> <tr> <td>DATE</td> <td>9/2/04</td> </tr> <tr> <td>DRAWN/CHECK</td> <td>AMZ NC</td> </tr> <tr> <td>PAGE</td> <td>11</td> </tr> </table>	JOB #	WI0400750-01	DATE	9/2/04	DRAWN/CHECK
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DRAWN/CHECK	AMZ NC																											
PAGE	11																											

Covering Schedule
 Id Qty Type Length Gage OP Fin. Color Direction
 #96 9 VR 24'-0" 26 1 K SB Left to Right
 Oper. Code:1=SQ,SQ
 Finish:K=KXL
 Color:SB=SB (Special Color)

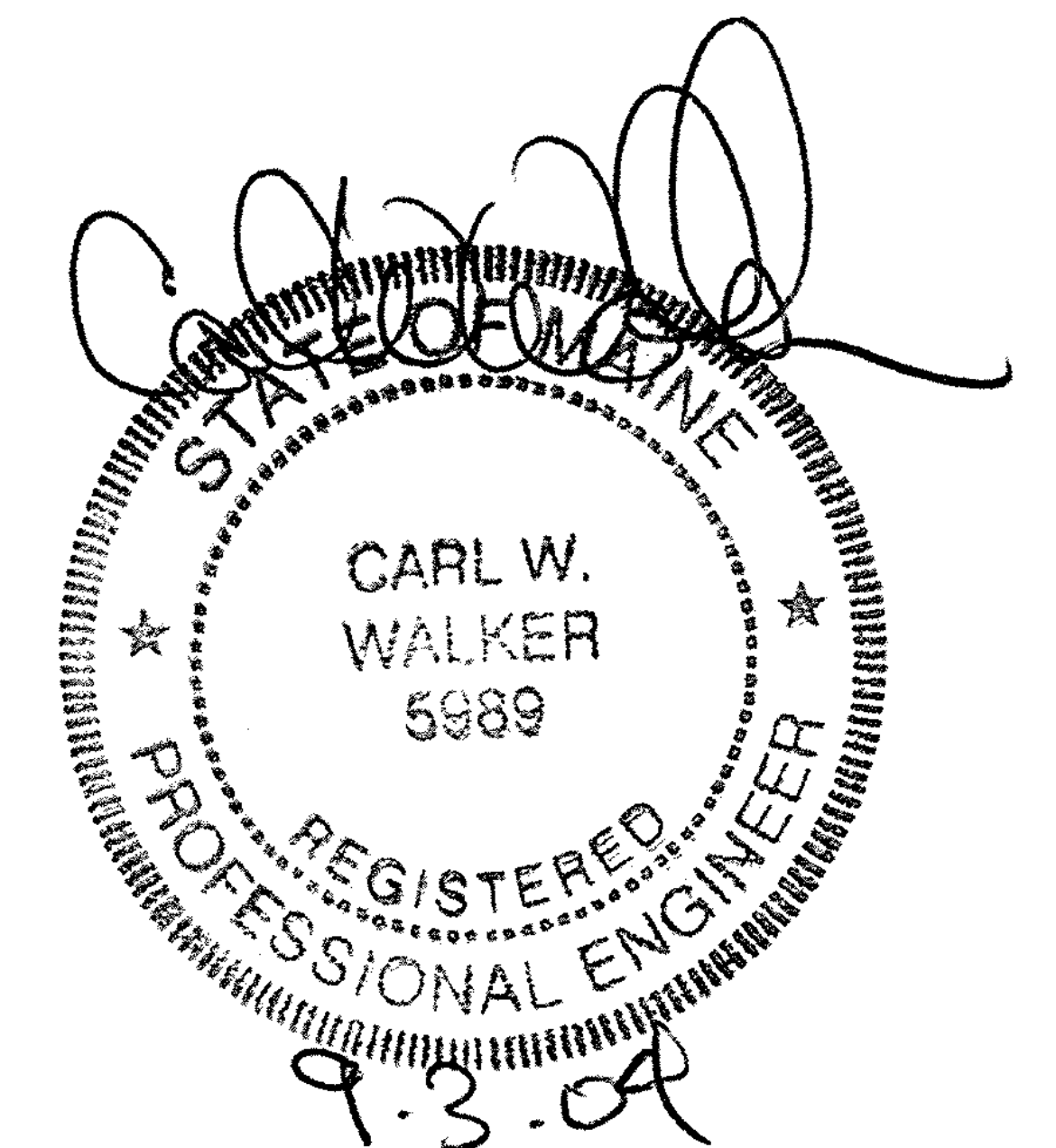
Trim Schedule
 Id Parts Color Details
 T1 EG161,EG121,(2)PCA10A,PCA05A,(14.2)STR4 Egyptian White RC03A2,RC32A2,RC38E2,RC61A6,WC04B1,
 T2 (1.3)BA1,(3)BT10 SB (Special Color)EN52B1,WC01B3,WC04B1
 T3 DE1,DN1,(3)DS10,(5)DST1 Match Wall Color RC38F1

Insulation Schedule (Install in same direction as Covering)
 Id Qty Type Start Run Last Run Thick. Facing
 BLK1 1 IB 25'-0" 4.00 PL
 BLK2 3 IB 25'-0" 25'-0" 4.00 PL
 BLK3 1 IB 25'-0" 4.00 PL
 Starter Width= 4'-0", Interm. Width= 6'-0", End Width= 4'-0"
 Location =Outside Secondary Structural
 Direction =Across Secondary Structural
 Type:IB=Fiberglass Blanket
 Facing:PL=Polypropylene Scrim Kraft, Light Duty
 VP Ref: Shape Name = motion industries, Wall = 4

NOTE: Lap Wall Panel Onto Existing Building



COVERING ELEVATION AT G



LPJ 9/3

VP Ref: Shape Name = motion industries, Wall = 4

1. WALL SHEETS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.
 2. SEE JOB DETAILS FOR SHEETING AND TRIM FASTENER SPECIFICATION.
 3. PRE-DRILLING 1/8 DIAMETER HOLES FOR WALL STRUCTURAL FASTENERS MAY BE REQUIRED AT 11 GAGE GIRTS, NESTED GIRTS, GIRT LAP LOCATIONS, AND/OR SECONDARY STRUCTURAL BEAMS

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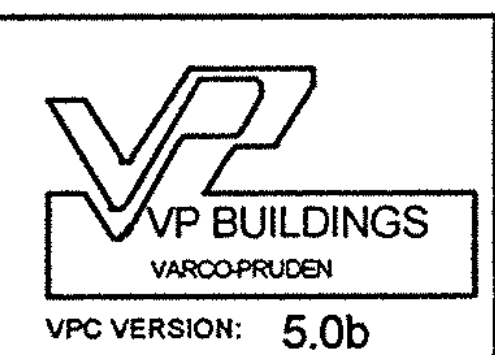
THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE, GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN CONFORMANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE VP ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT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

VP Buildings, Inc.
 3200 Players Club Circle Memphis TN 38125

REV	DATE	BY	DESCRIPTION
			NTS

COVERING ELEVATION AT G

BUILDER	PATCO CONSTRUCTION
CUSTOMER	Motion Industries
LOCATION	Portland, Maine
PROJECT	Motion Industries
BUILDER'S PO#	



JOB #	WI0400750-01
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Covering Schedule

Id	Qty	Type	Length	Gage	OP	Fin.	Color	Direction
#92	17	VR	25'-8 1/2"	26	1	K	SB	Left to Right From Peak
#93	17	VR	25'-8 1/2"	26	1	K	SB	Right to Left From Peak

Oper. Code: 1=SQ, SQ
 Finish: K=KXL
 Color: SB=SB (Special Color)

Trim Schedule

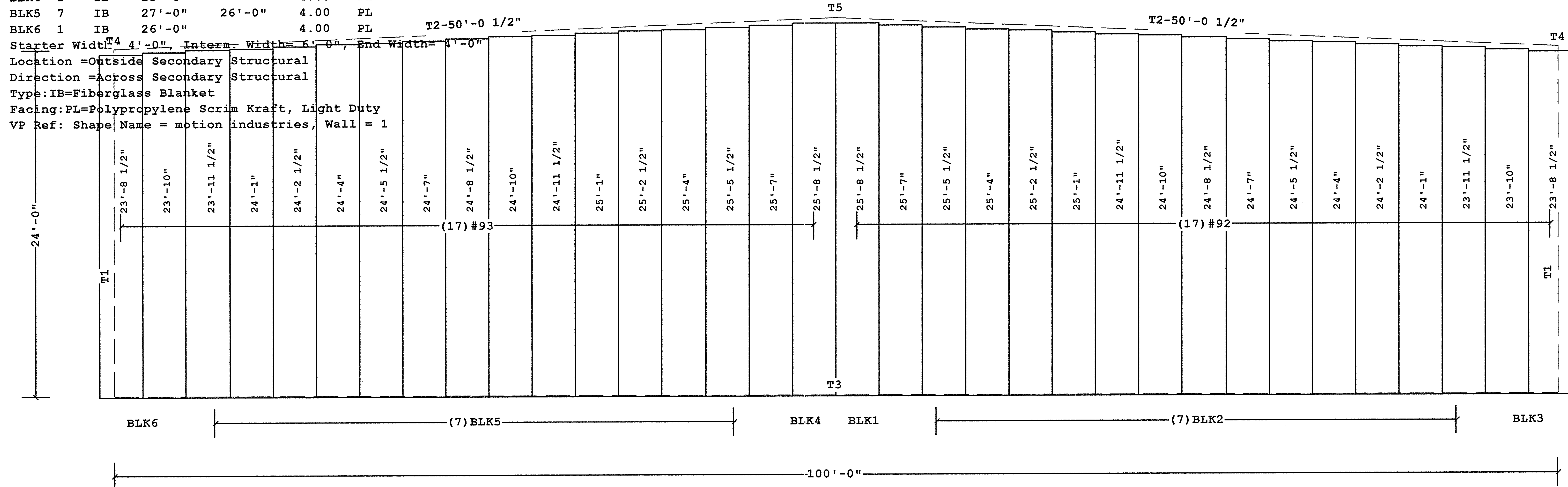
Id	Parts	Color	Details
T1	AFT20, AFT05, CTE20, CTE05	Match Wall Color	WC20B2
T2	(11)RFR10, (7)RKC15, (5)RKF20, RKF10, (11)RSB10, (11)R	Egyptian White	RC10A1, RC30A2, RS10G1, WC10B1
T3	(5)BA1, (10)BT10	SB (Special Color)	EN52B1, WC01B3, WC04B1
T4	BS1, GGC1, MCC1, PRF1	Egyptian White	RC38A1
T5	PPC2, SRR1	Egyptian White	RC34H5, RC34H6

Insulation Schedule (Install in same direction as Covering)

Id	Qty	Type	Start Run	Last Run	Thick.	Facing
BLK1	1	IB	28'-0"		4.00	PL
BLK2	7	IB	27'-0"	26'-0"	4.00	PL
BLK3	1	IB	26'-0"		4.00	PL
BLK4	1	IB	28'-0"		4.00	PL
BLK5	7	IB	27'-0"	26'-0"	4.00	PL
BLK6	1	IB	26'-0"		4.00	PL

Starter Width: T4 4'-0", Interm. Width= 6'-0", End Width= 4'-0"

Location = Outside Secondary Structural
 Direction = Across Secondary Structural
 Type: IB = Fiberglass Blanket
 Facing: PL = Polypropylene Scrim Kraft, Light Duty
 VP Ref: Shape Name = motion industries, Wall = 1



COVERING ELEVATION AT 1

VP Ref: Shape Name = motion industries, Wall = 1

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 3200 Players Club Circle Memphis TN 38125

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COVERING ELEVATION AT 1

BUILDER	PATCO CONSTRUCTION
CUSTOMER	Motion Industries
LOCATION	Portland, Maine
PROJECT	Motion Industries
BUILDER'S PO#	

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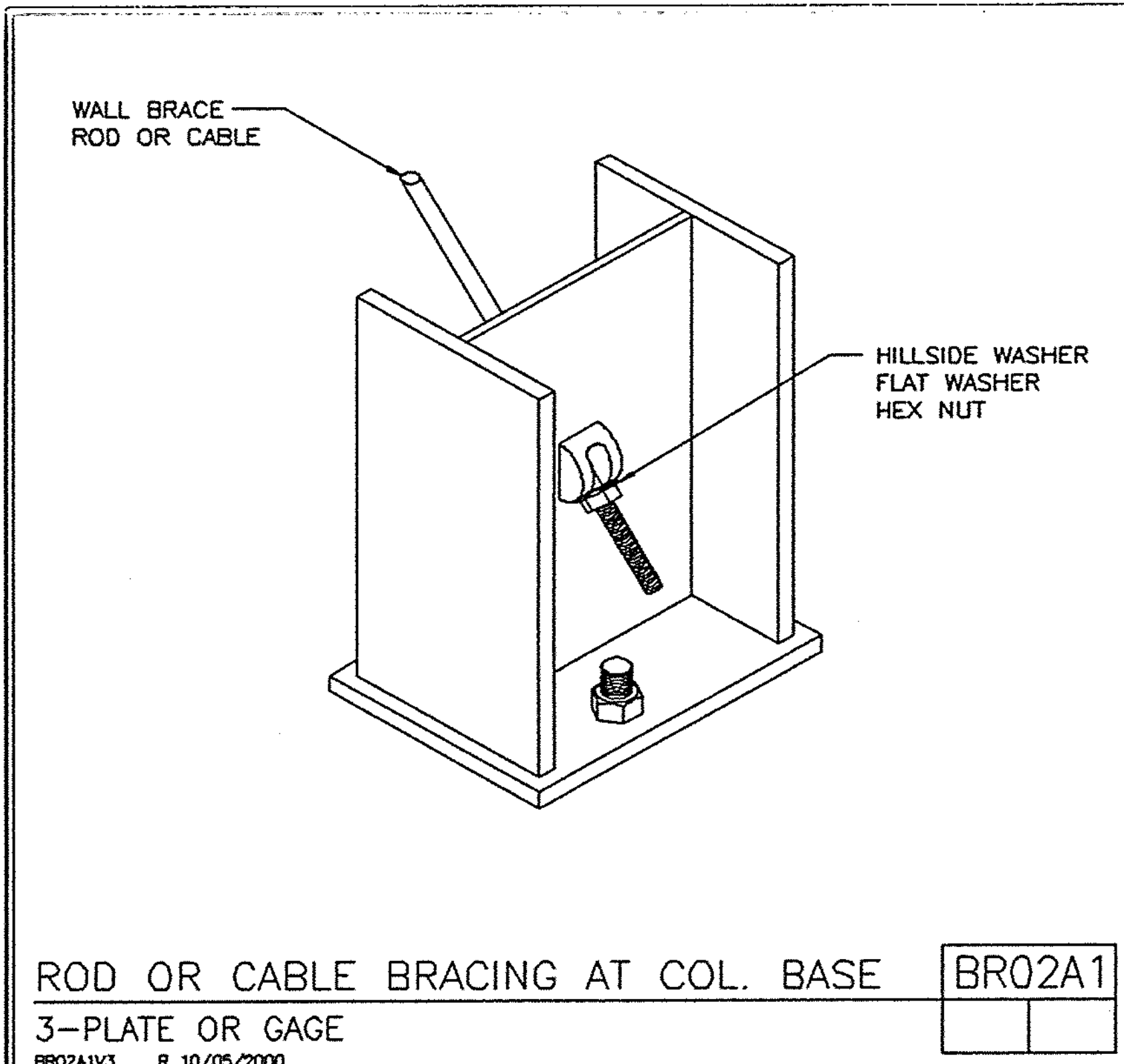
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9/3/2004

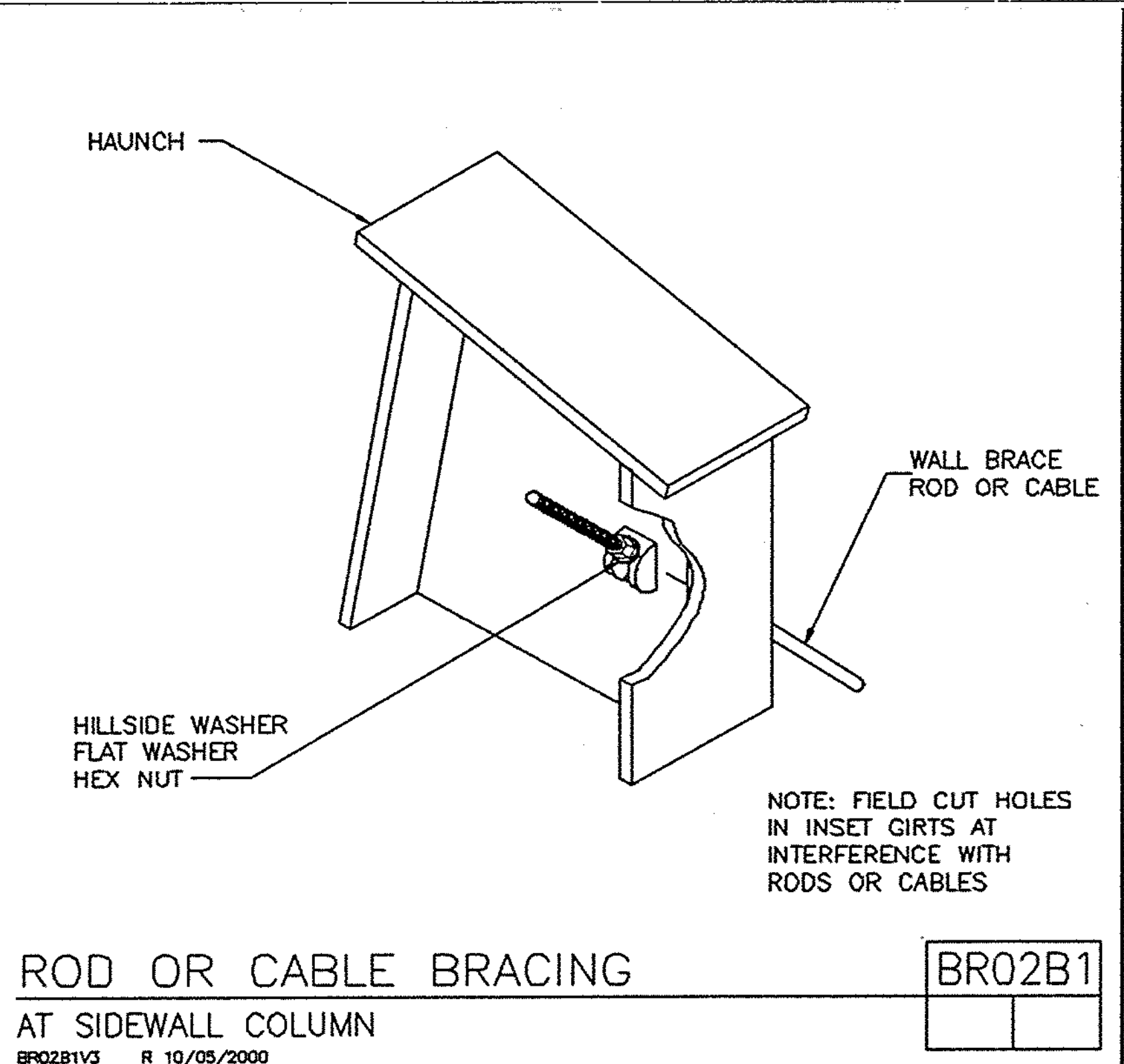
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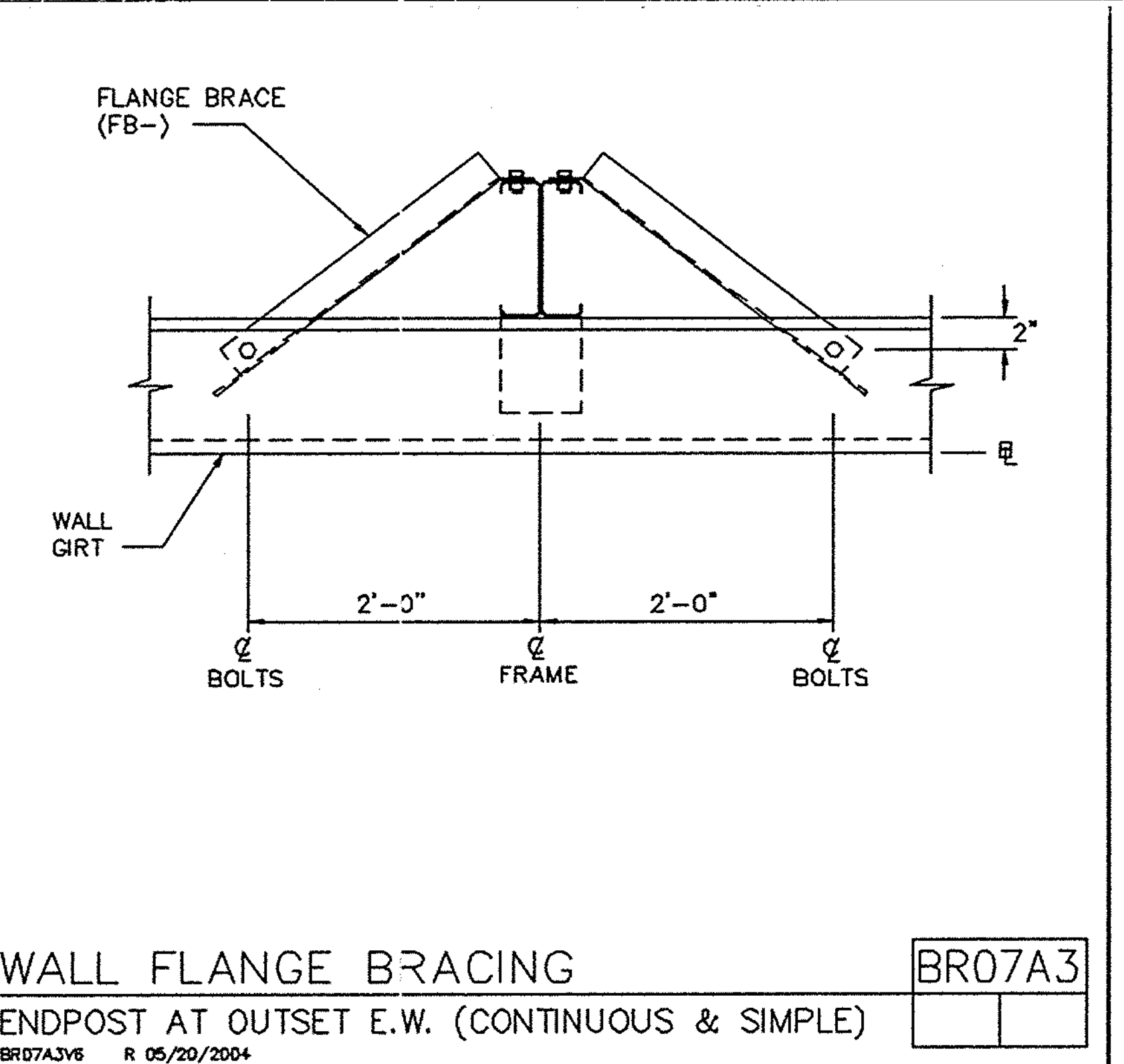
LPS 9/3



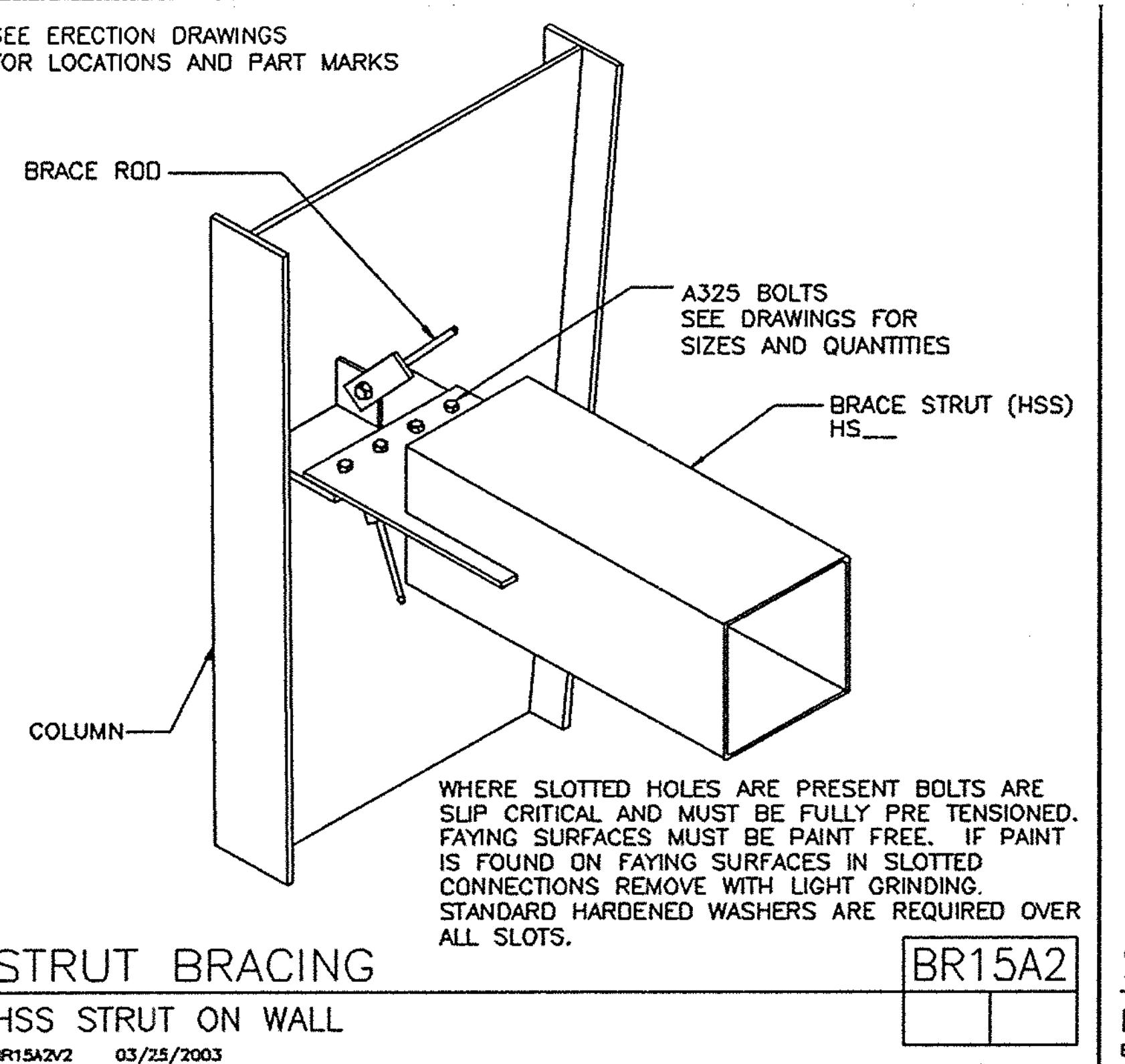
ROD OR CABLE BRACING AT COL. BASE BR02A1
3-PLATE OR GAGE
BR02A1V3 R 10/05/2000



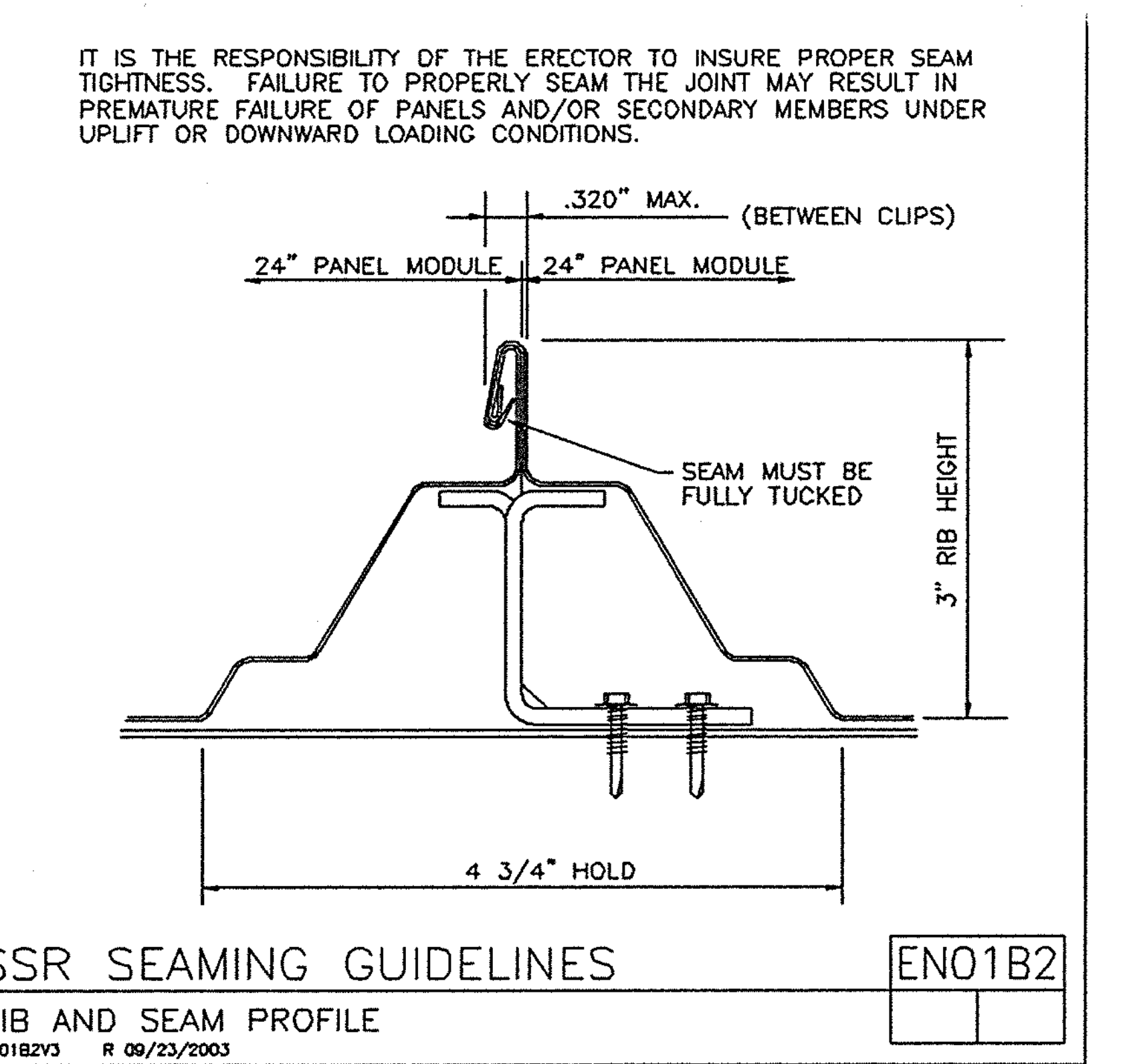
ROD OR CABLE BRACING AT SIDEWALL COLUMN BR02B1
BR02B1V3 R 10/05/2000



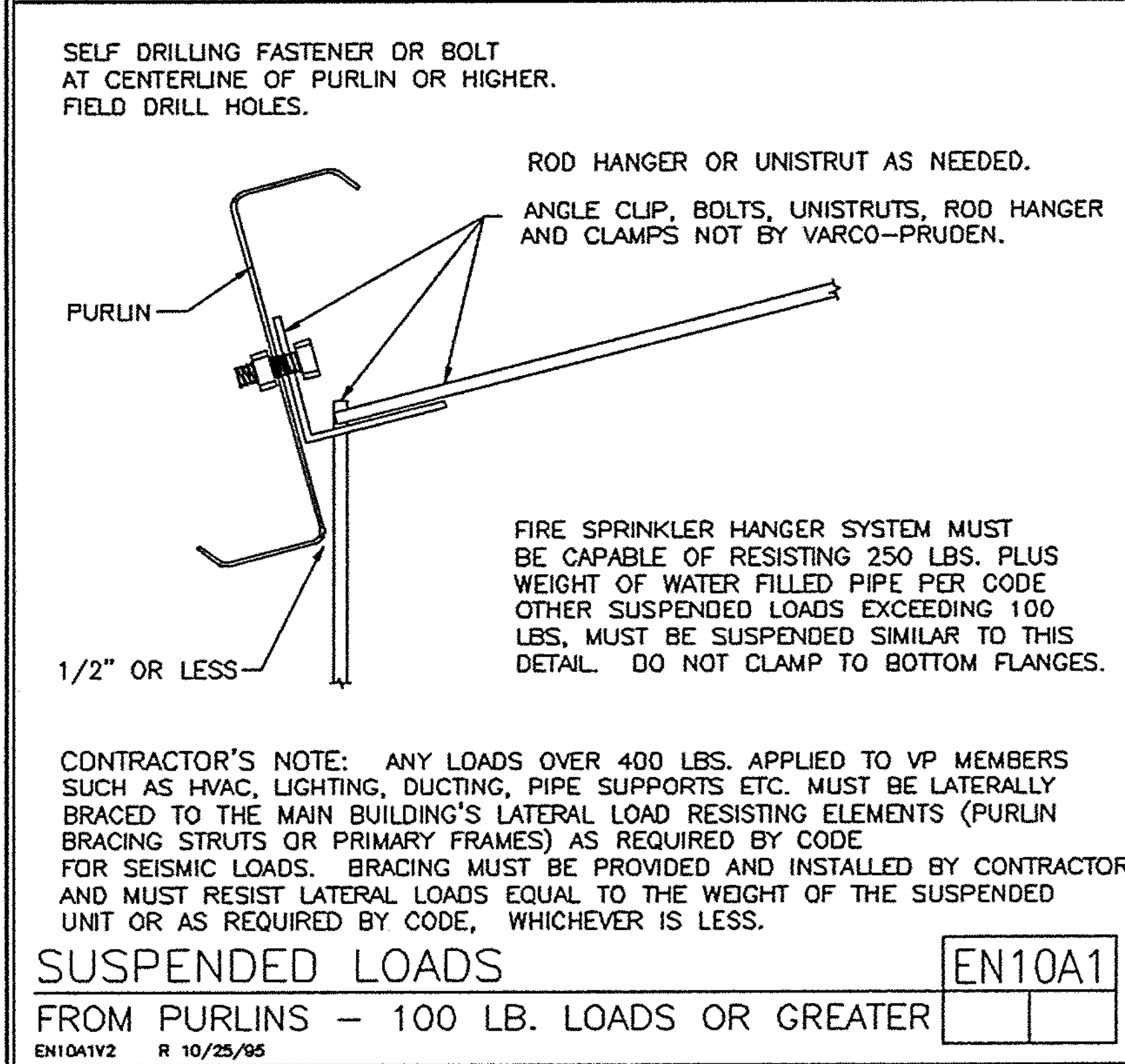
WALL FLANGE BRACING BR07A3
ENDPOST AT OUTSET E.W. (CONTINUOUS & SIMPLE)
BR07A3V6 R 05/20/2004



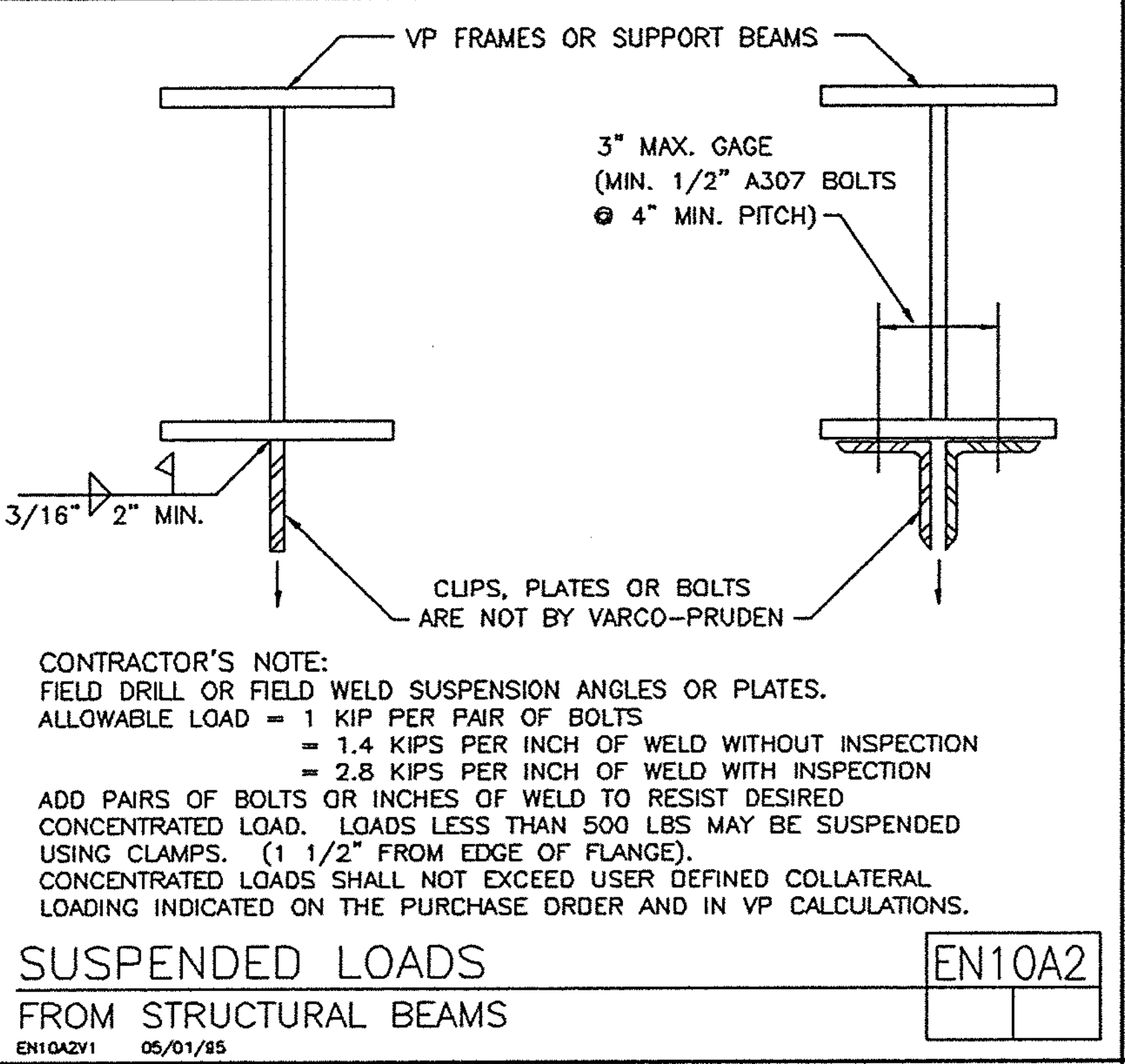
STRUT BRACING BR15A2
HSS STRUT ON WALL
BR15A2V2 03/25/2003



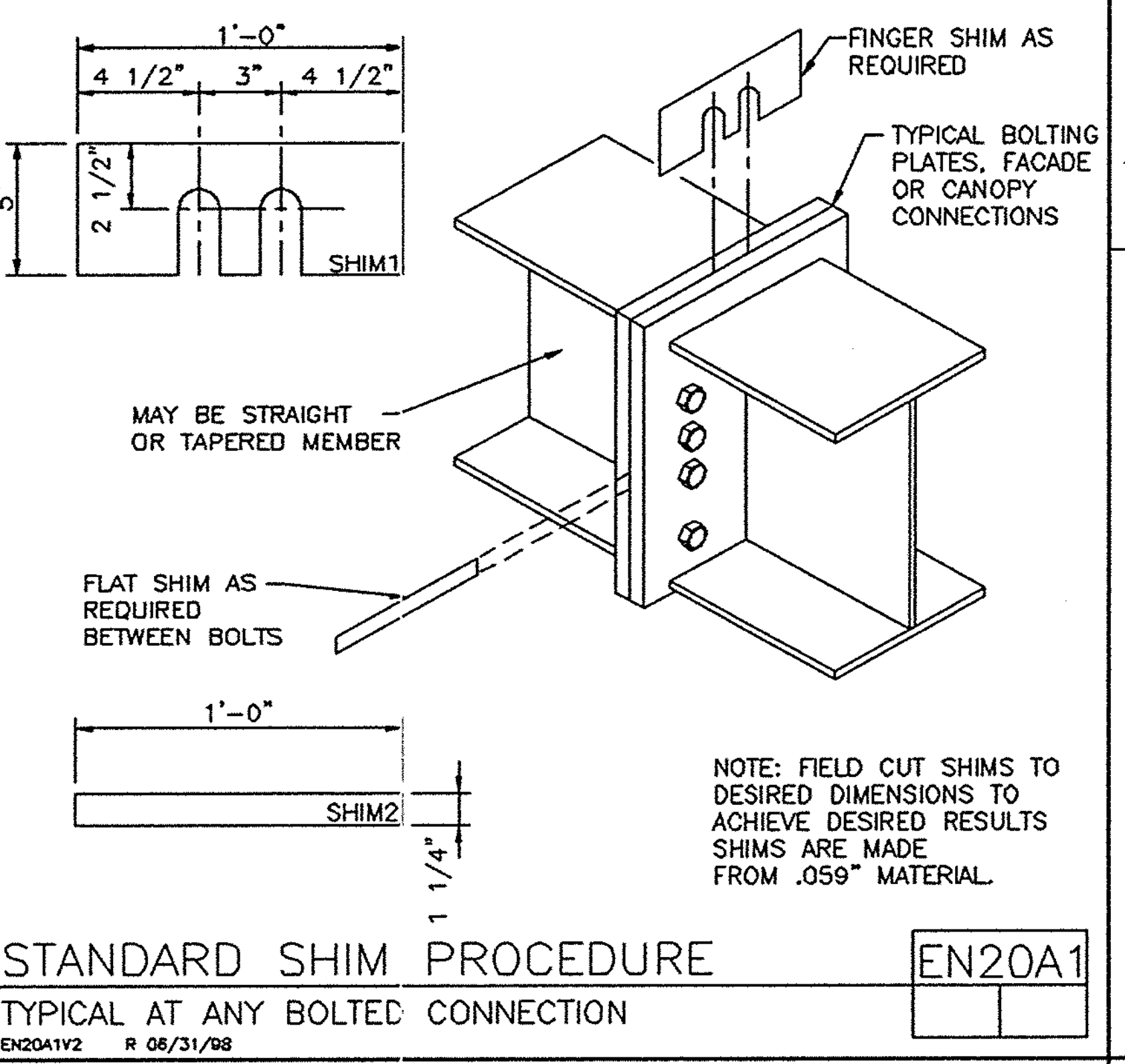
SSR SEAMING GUIDELINES EN01B2
RIB AND SEAM PROFILE
EN01B2V3 R 09/23/2003



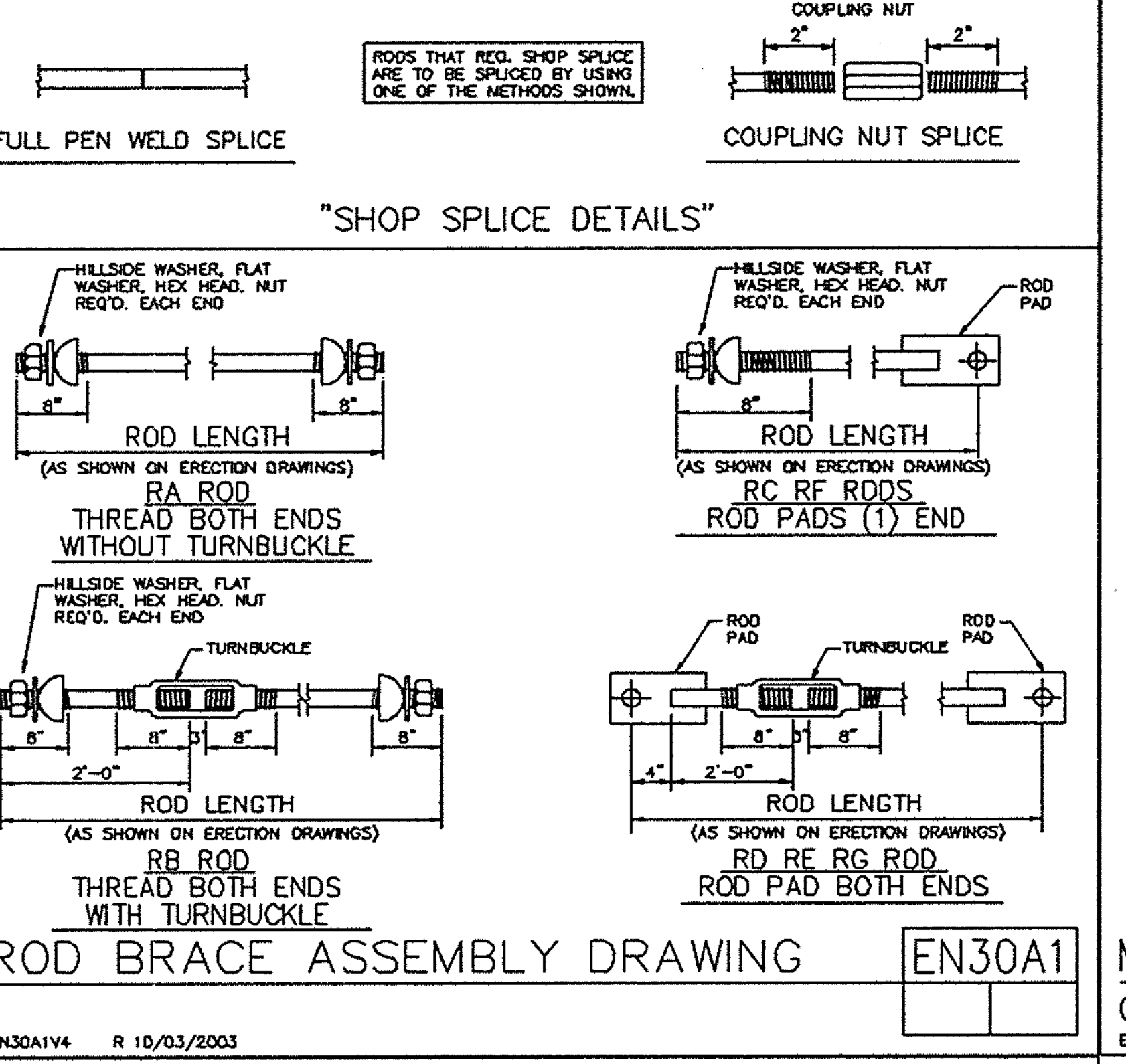
SUSPENDED LOADS EN10A1
FROM PURLINS - 100 LB. LOADS OR GREATER
EN10A1V2 R 10/25/05



SUSPENDED LOADS EN10A2
FROM STRUCTURAL BEAMS
EN10A2V1 05/01/05



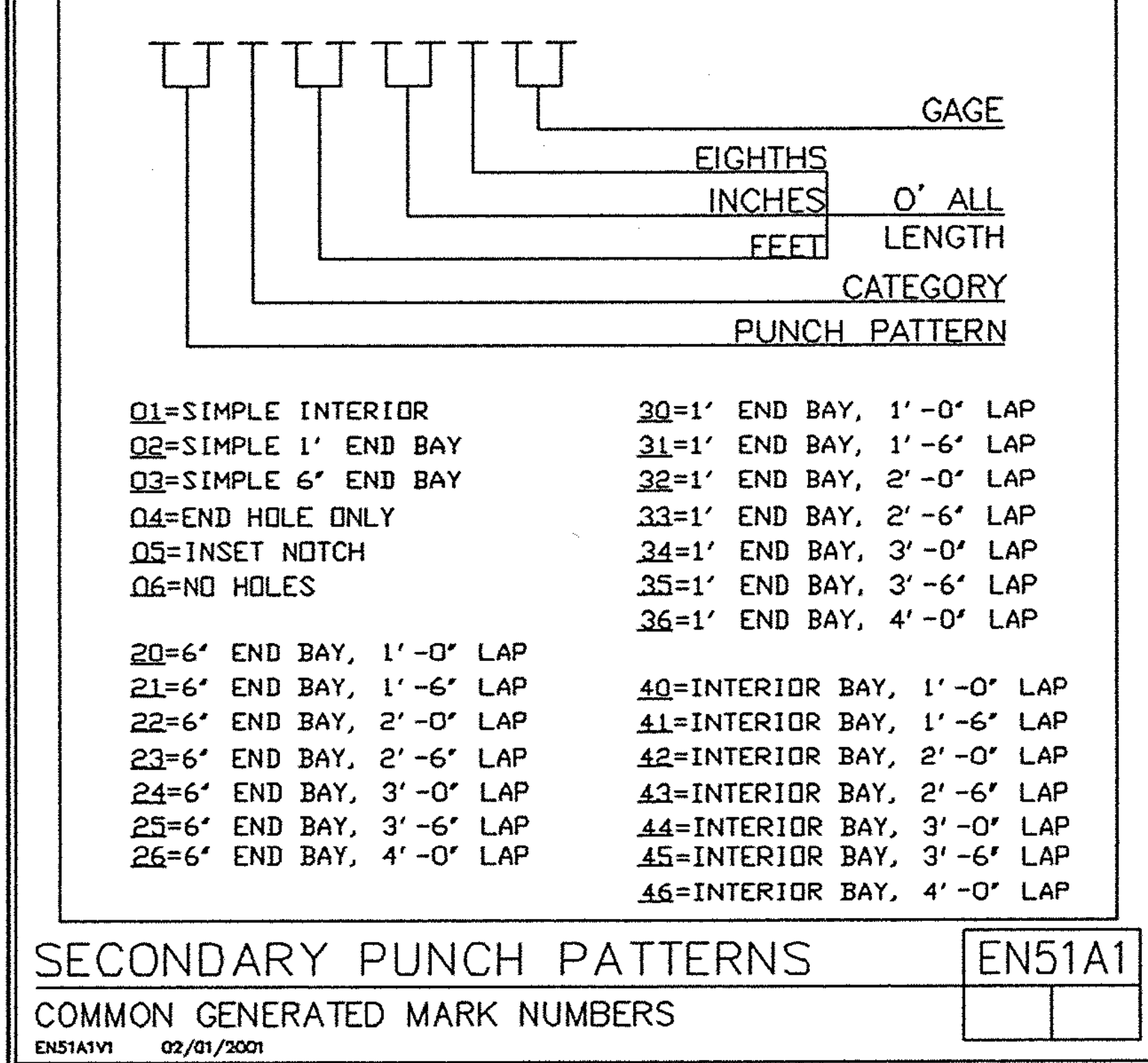
STANDARD SHIM PROCEDURE EN20A1
TYPICAL AT ANY BOLTED CONNECTION
EN20A1V2 R 08/21/08



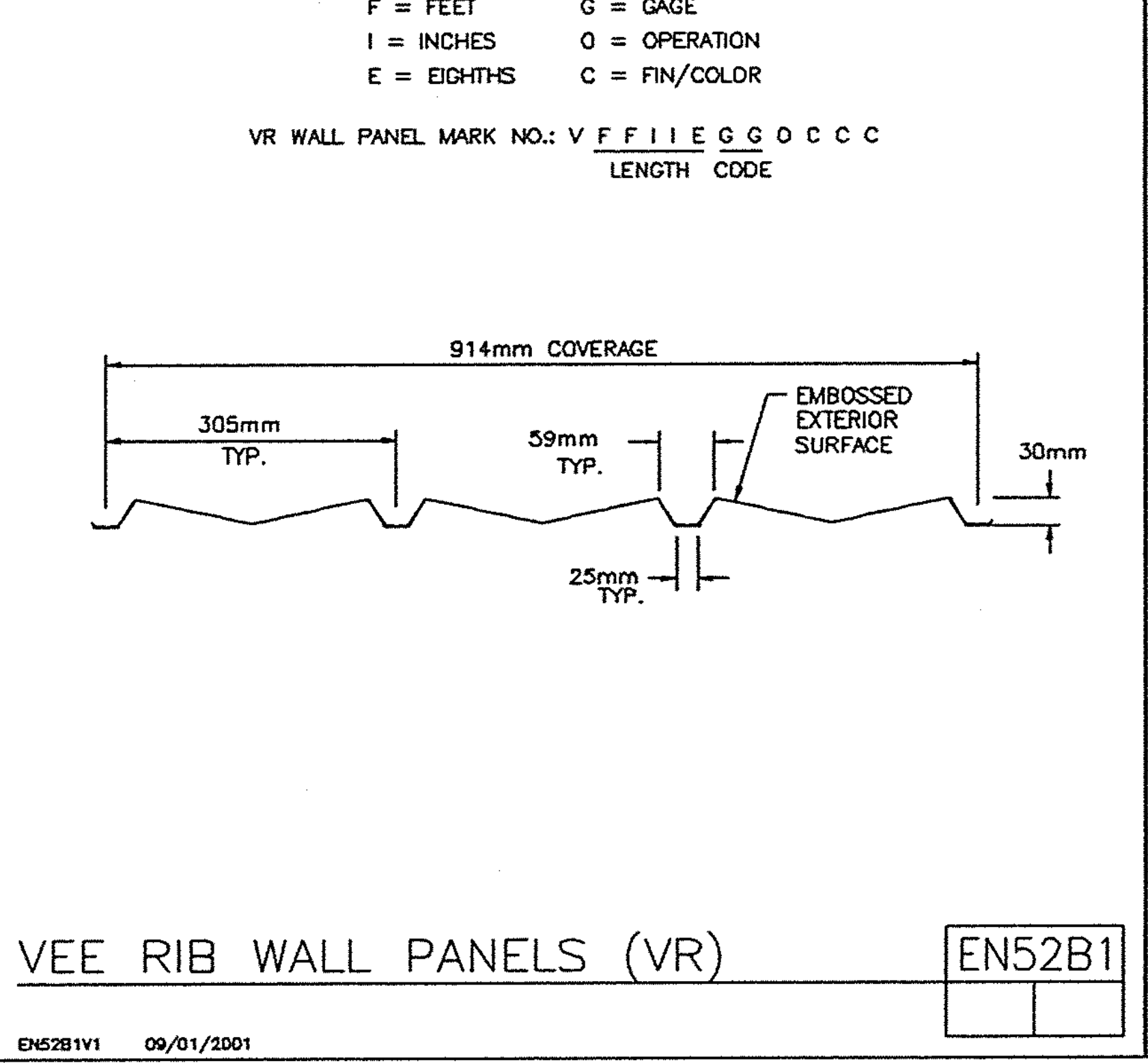
ROD BRACE ASSEMBLY DRAWING EN30A1
EN30A1V4 R 10/03/2003

F = FEET I = INCHES E = EIGHTHS	G = GAGE O = OPERATION C = FIN/COLOR	CX*** = COLUMN (PLATE) CGX*** = COLUMN (GAGE) VCX*** = COLUMN (HOTROLL)
PANEL/COVERING W I 3 1 1 7 2 6 1 K T D * * F F I I E G G O C C C LENGTH CODE		RBX*** = RAFTER (PLATE) BGX*** = RAFTER (GAGE) VRX*** = RAFTER (HOTROLL) TRX*** = TRUSS RAFTER
INSULATION I B 1 3 0 1 0 3 6 0 3 0 W V * * F F I I I I I I E C C LENGTH WIDTH THK CODE		ICX*** = INTERIOR COLUMN PCX*** = PIPE COLUMN TCX*** = TUBE COLUMN
SECONDARY (STANDARD) O I G 1 9 1 1 4 1 7 * * * F F I I E G G LENGTH CODE		EPX*** = ENDPOST (PLATE) EGX*** = ENDPOST (GAGE)
SECONDARY (SPECIAL) O I G 1 9 1 1 4 1 7 * * * F F I I E G G LENGTH CODE		CBX*** = CANDPY (PLATE) DCCX*** = CANDPY (GAGE) PBCX*** = PIGGYBACK CANDPY
ROD BRACING O 3 R A 2 5 1 0 I E * * F F I I DIA LENGTH		

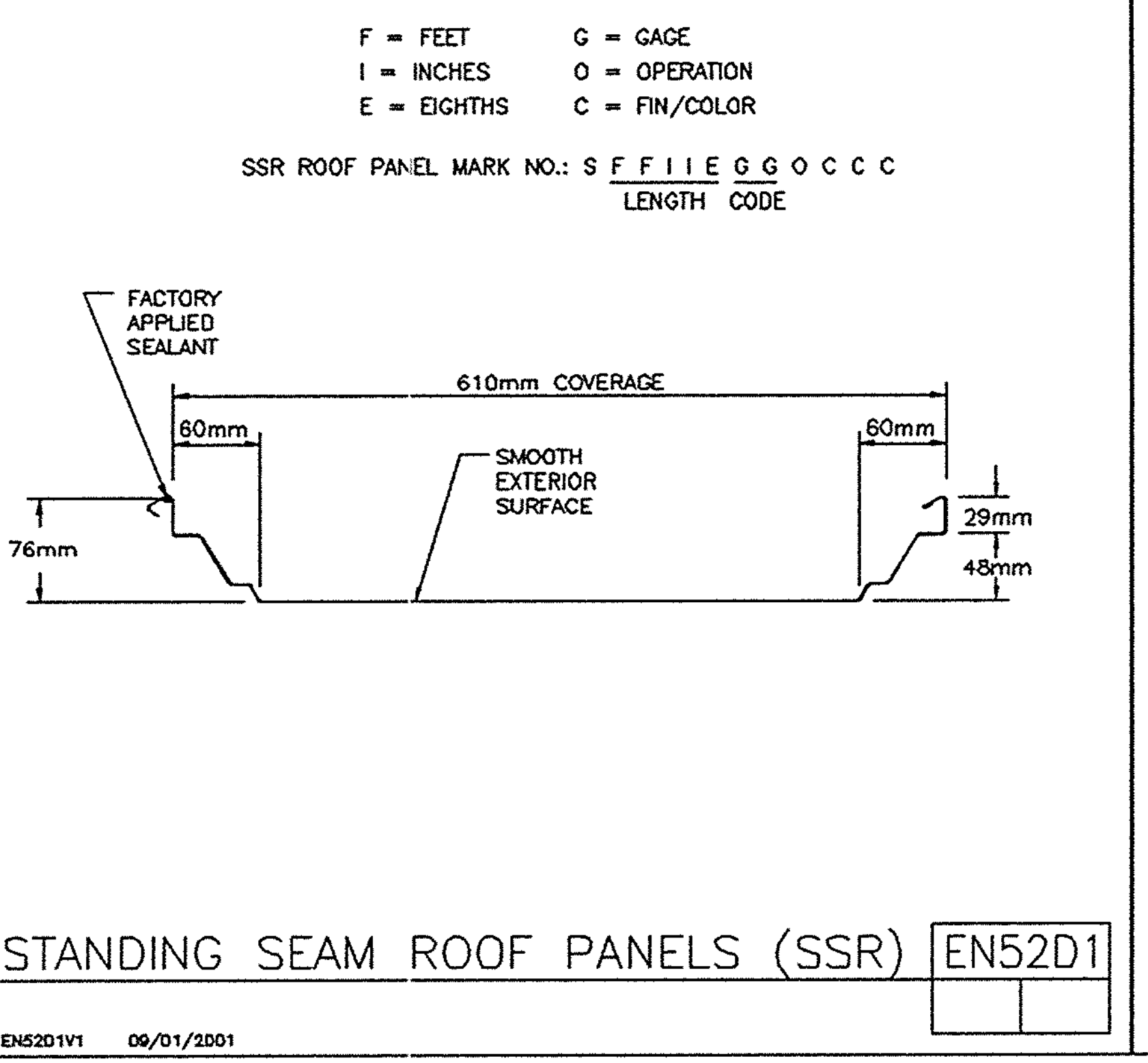
MARK NUMBER KEY EN50A1
COMMON GENERATED MARK NUMBERS
EN50A1V4 R 02/05/2004



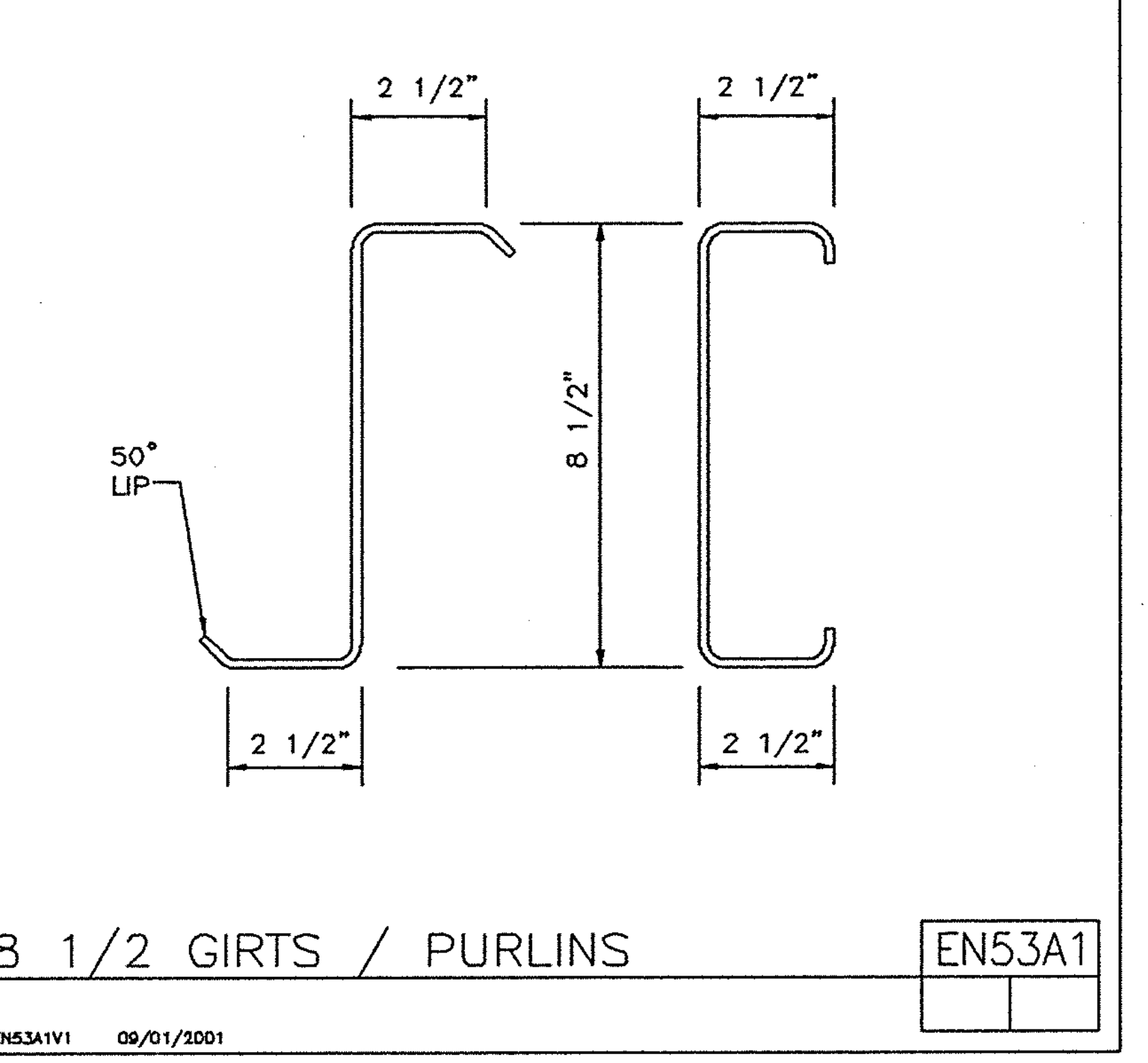
SECONDARY PUNCH PATTERNS EN51A1
COMMON GENERATED MARK NUMBERS
EN51A1V1 02/01/2001



VEE RIB WALL PANELS (VR) EN52B1
EN52B1V1 09/01/2001



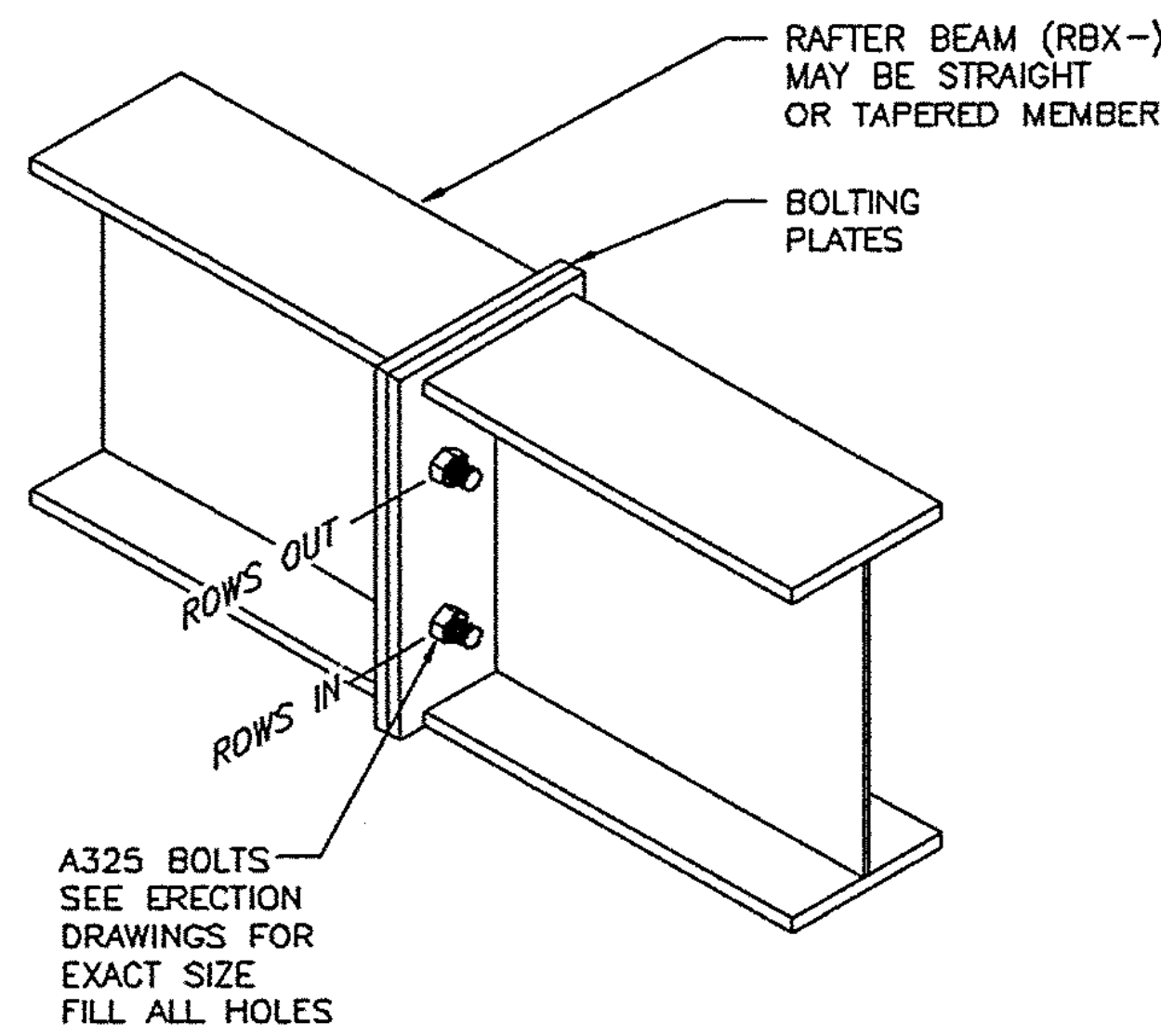
STANDING SEAM ROOF PANELS (SSR) EN52D1
EN52D1V1 09/01/2001



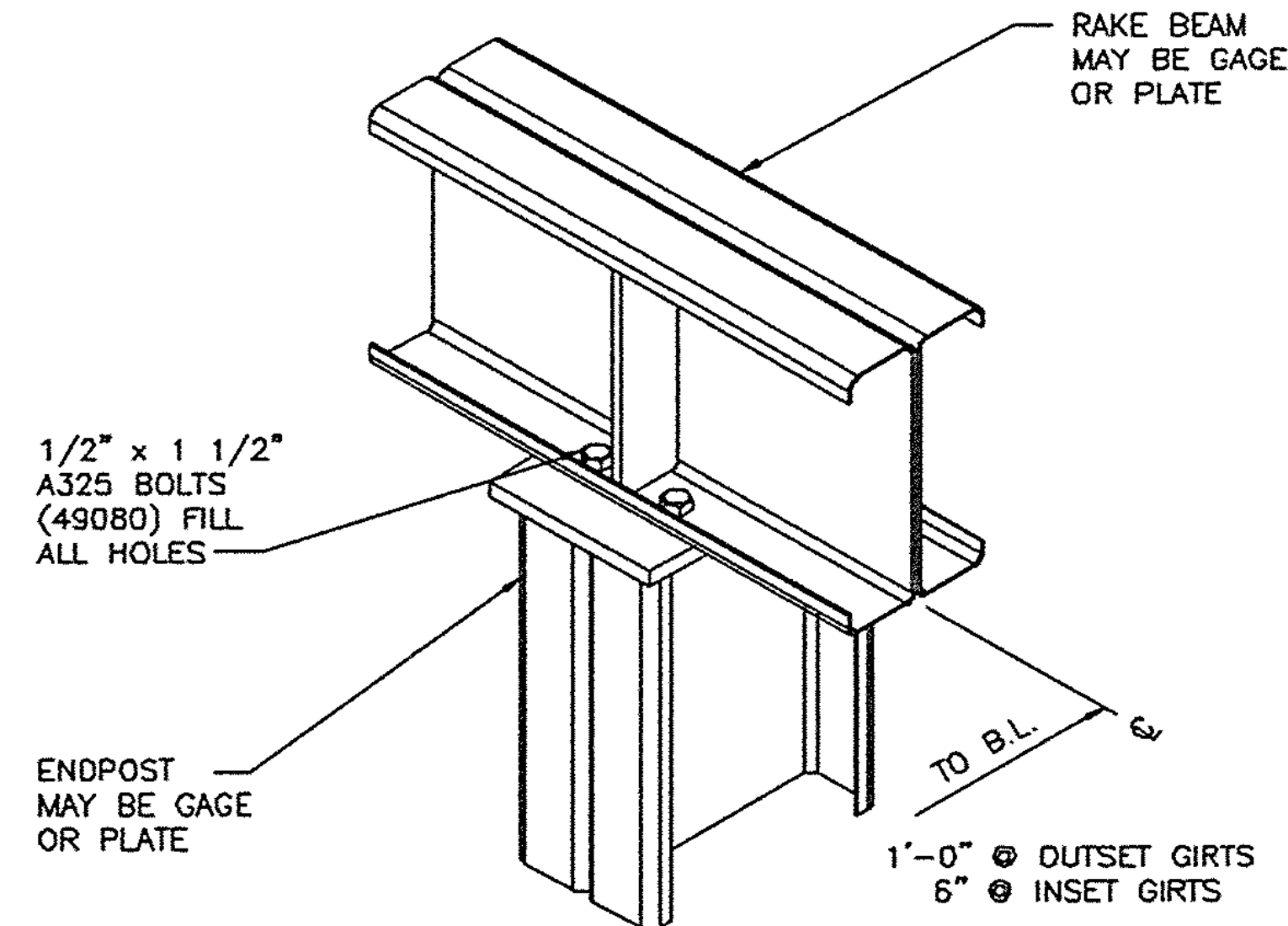
8 1/2 GIRTS / PURLINS EN53A1
EN53A1V1 09/01/2001

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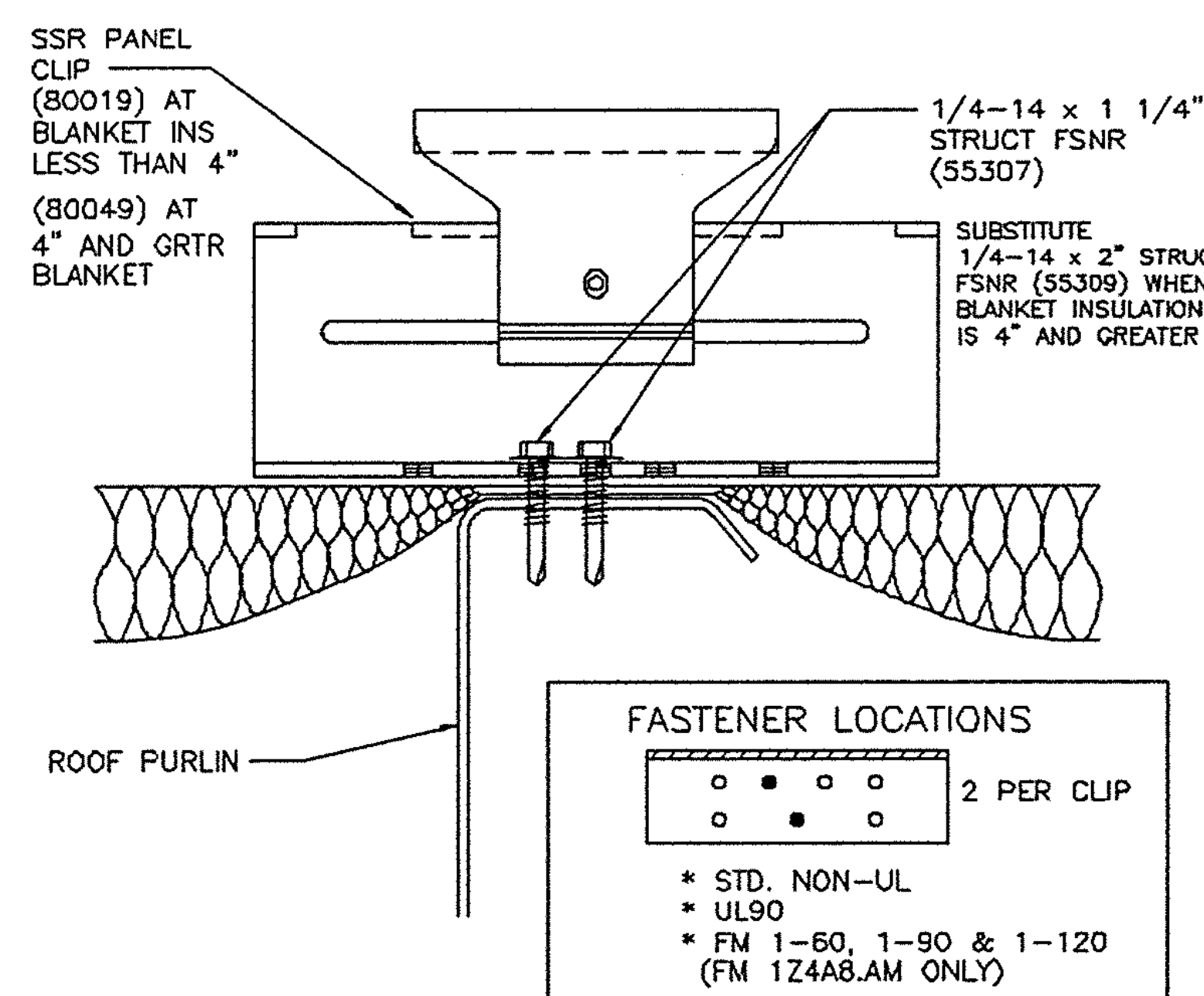


RAFTER BEAM CONNECTION PF03A1
RAKE BEAM OR FULL FRAME
PF03A1V3 01/20/2004

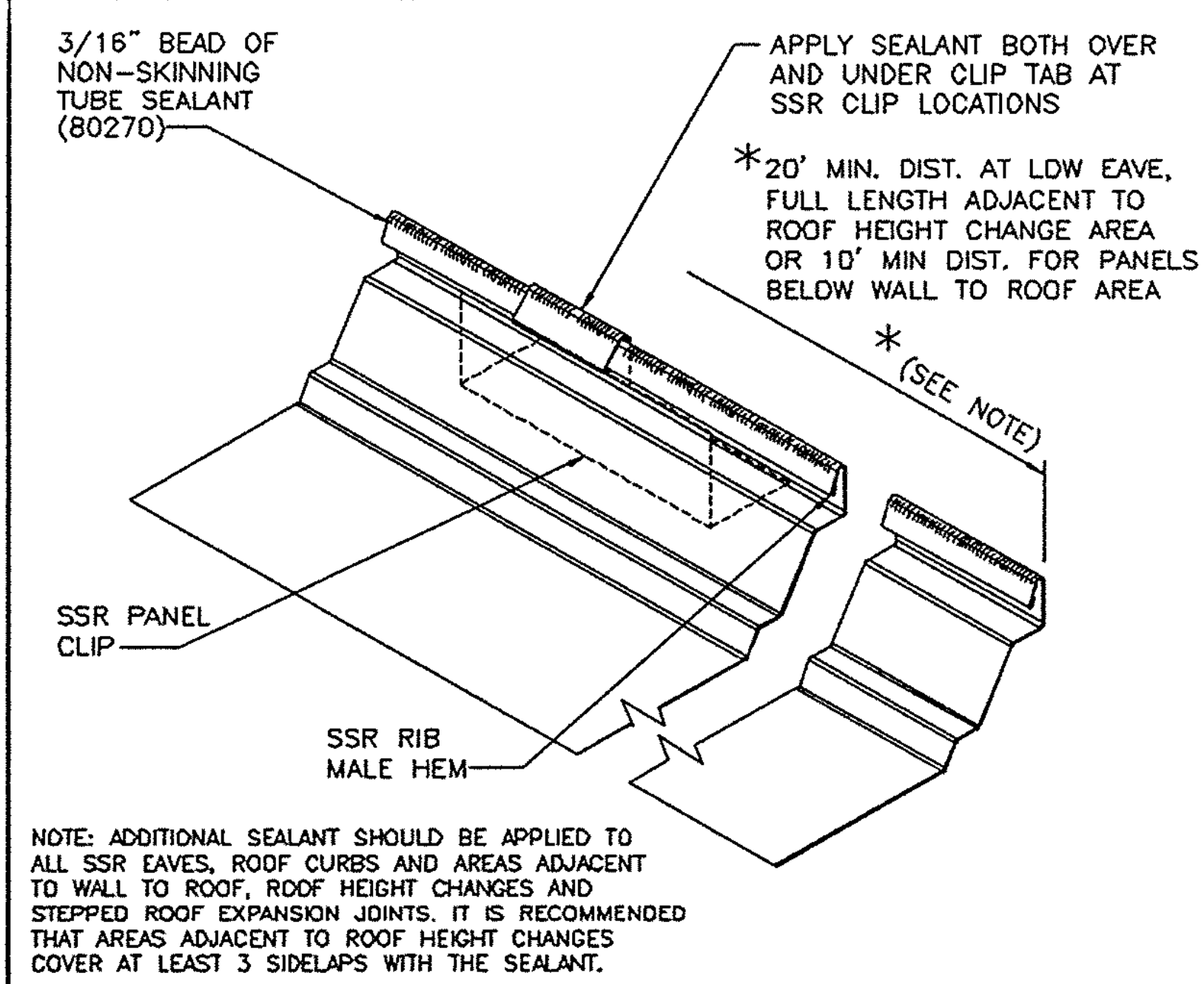


RAKE BEAM CONNECTION PF10C1
TO ENDPOST
PF10C1V2 07/01/2005

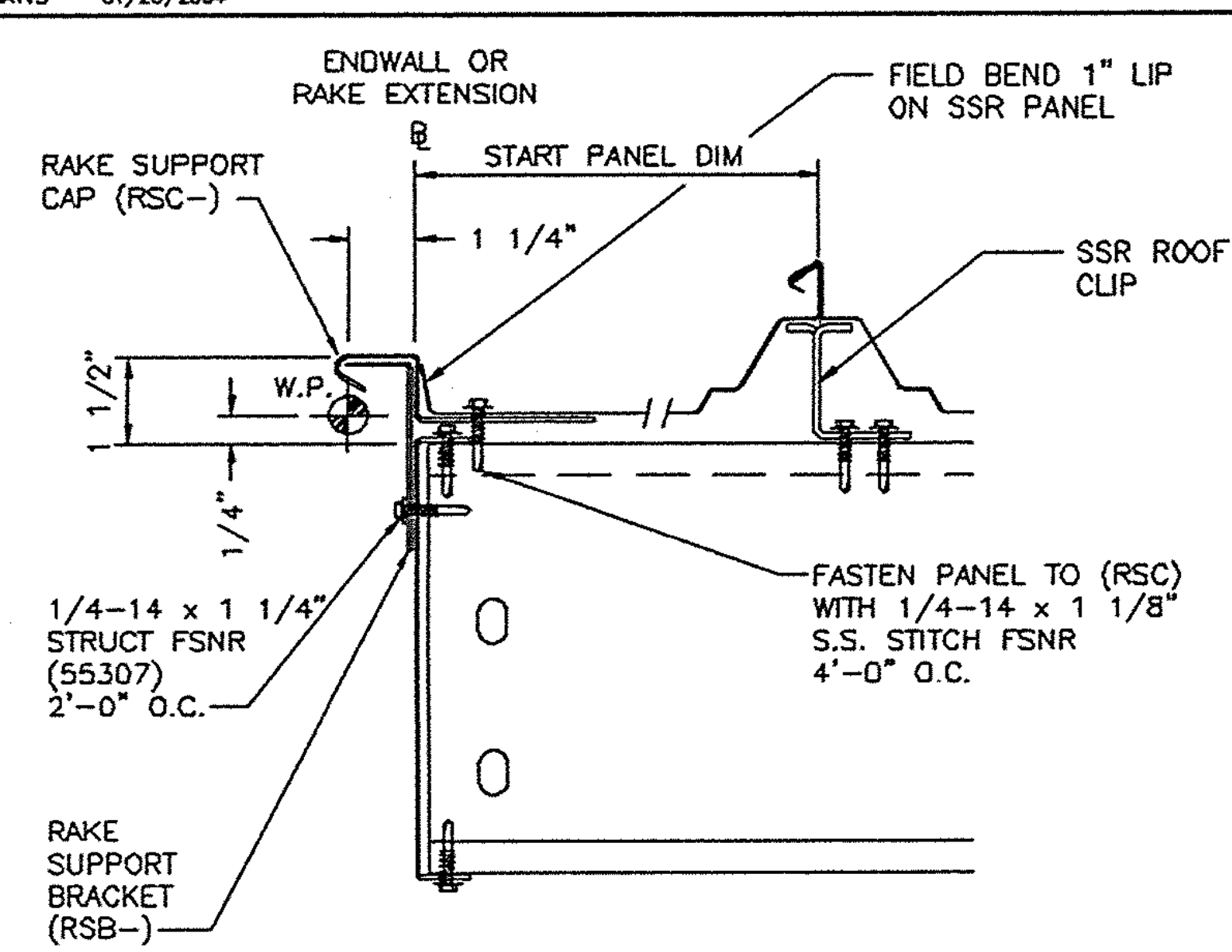
1. DETAILS SHOWN ON THIS PAGE SUPERCEDE SIMILAR DETAILS IN THE "SSR ERECTION GUIDE". REFER TO THE "SSR ERECTION GUIDE" AND "MASTER REFERENCE DRAWINGS" FOR OTHER DETAILS, INSTALLATION PROCEDURES, AND ACCESSORIES NOT DESCRIBED IN THESE DETAILS.
2. FIELD PAINT STAINLESS STEEL ROOF FASTENER HEADS USED AT WALL LOCATIONS WITH WALL TOUCH UP PAINT.
3. ALL SURFACES MUST BE FREE OF DIRT AND OIL AT MASTIC AND SEALANT LOCATIONS.



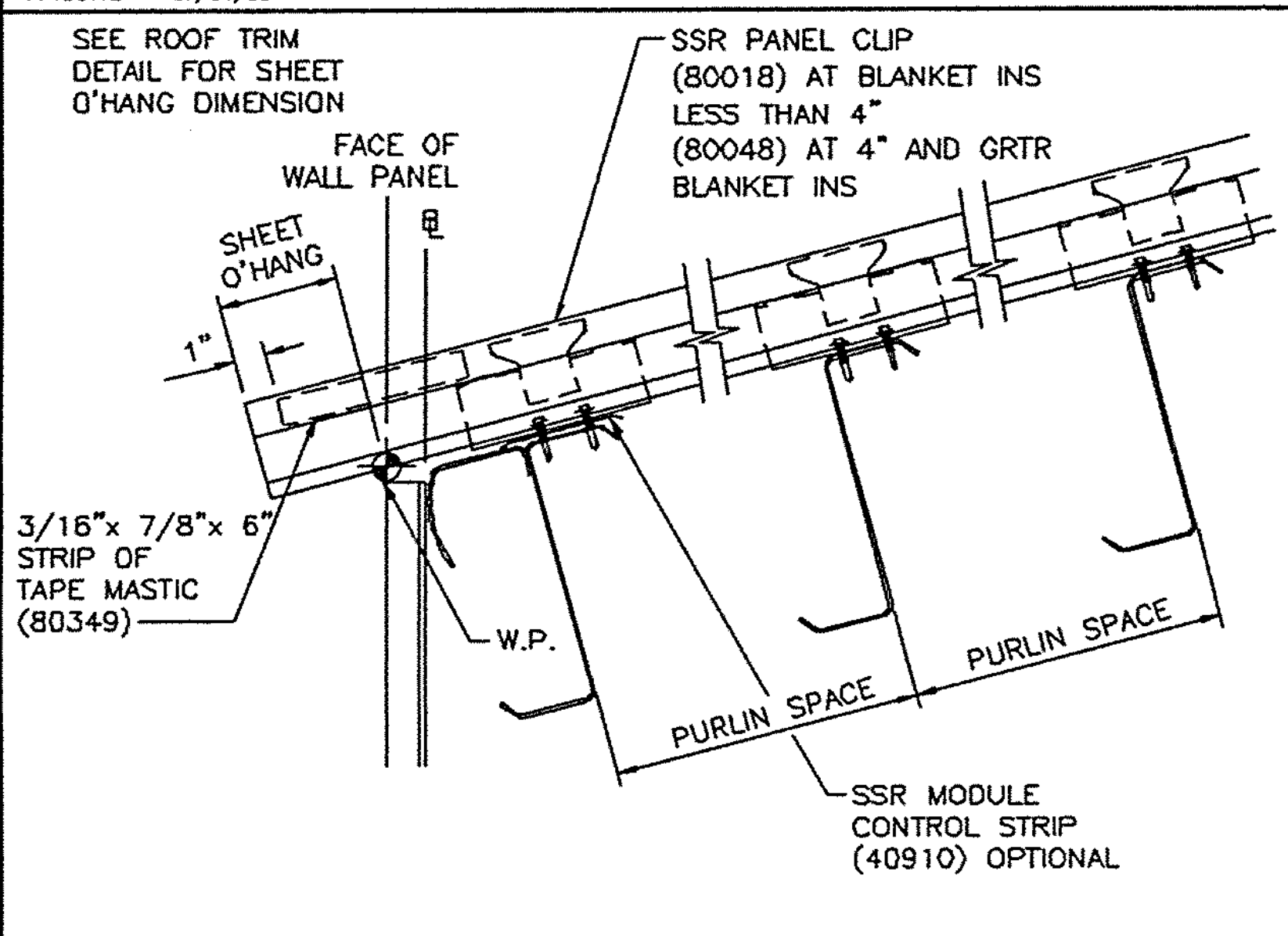
SSR PANEL CLIP ATTACHMENT RC01A1
BLANKET INSULATION ON PURLINS
RC01A1V8 R 04/01/2000



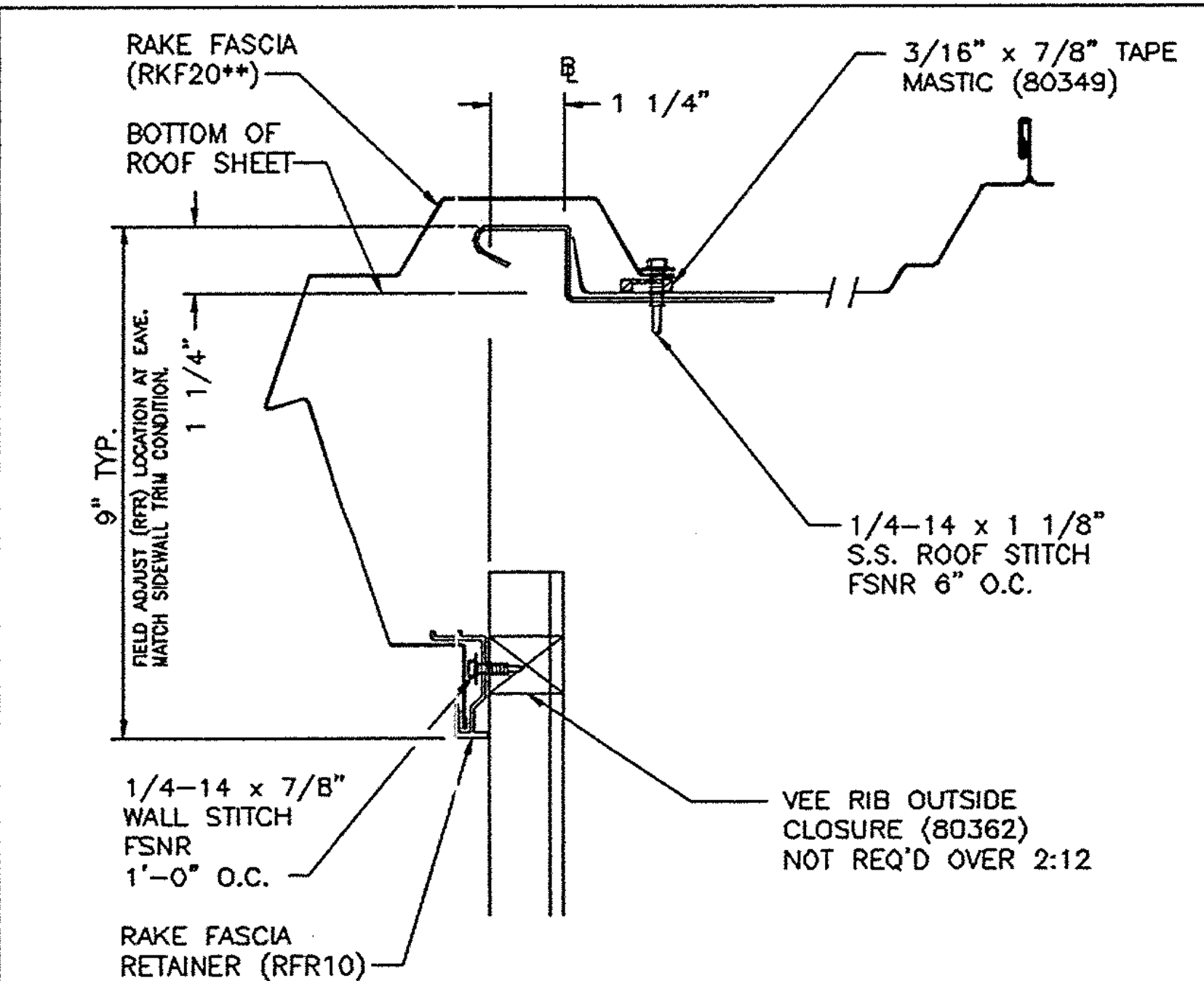
SSR PANEL SIDELAP RC03A2
ADDITIONAL WEATHERSEAL AT ICE DAMMING COND.
RC03A2V1 03/01/80



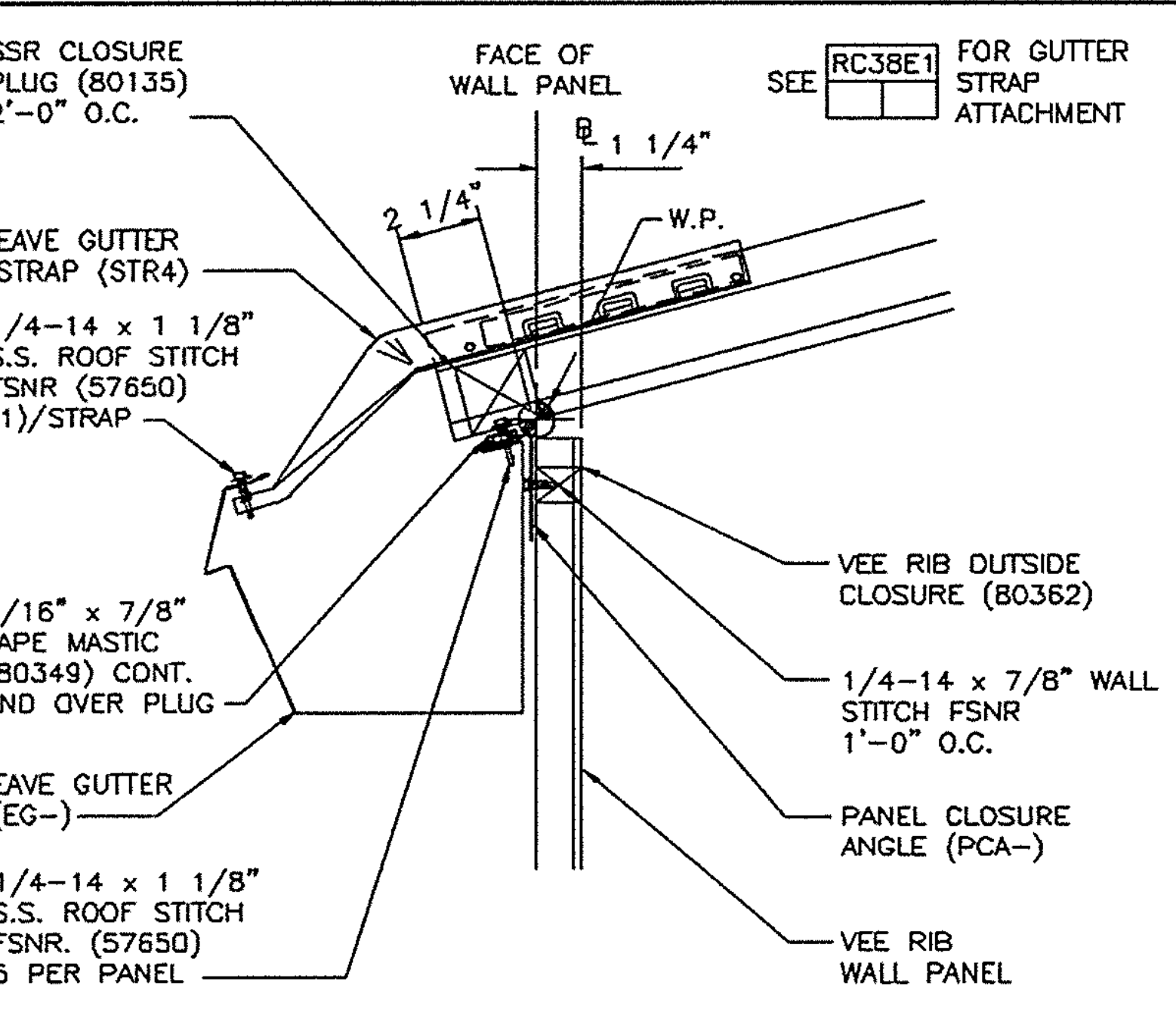
SSR STARTING RAKE RC10A1
BLANKET INSULATION
RC10A1V3 R 07/15/98



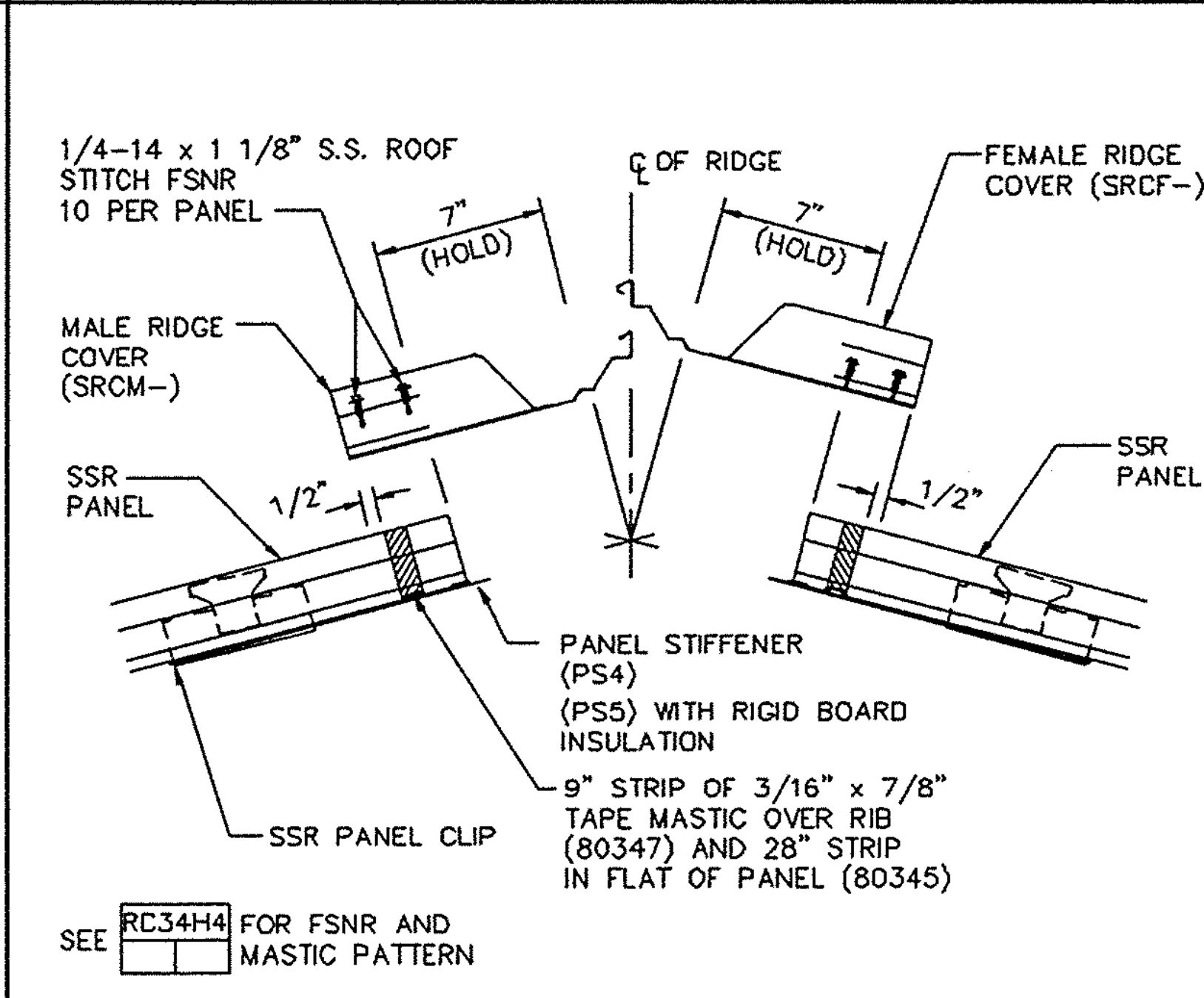
SSR ROOF AT FIXED LOW EAVE RC17A1
BLANKET INSULATION
RC17A1V7 R 07/15/98



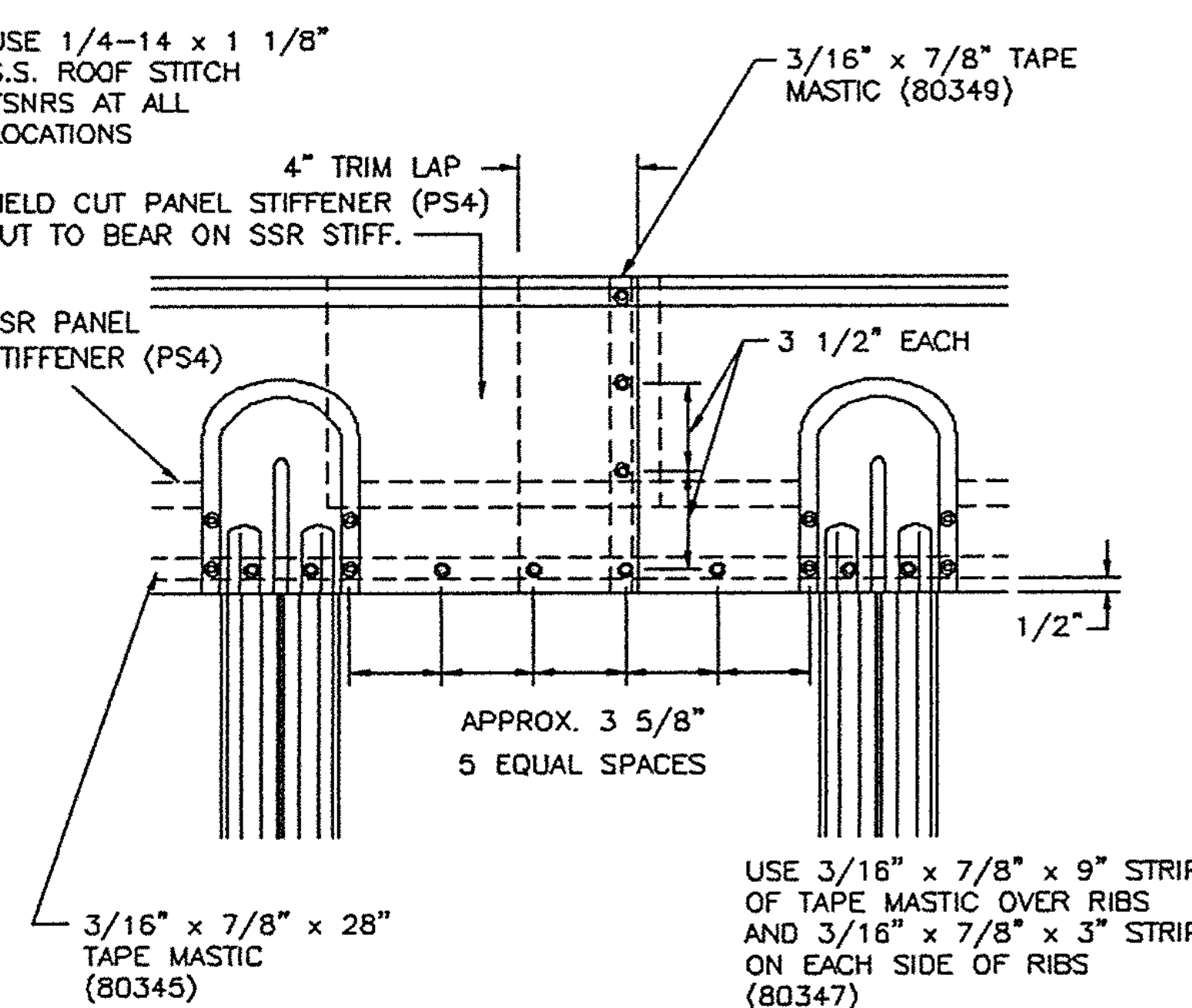
SSR RAKE TRIM RC30A2
VEE RIB WALL
RC30A2V5 R 02/21/2004



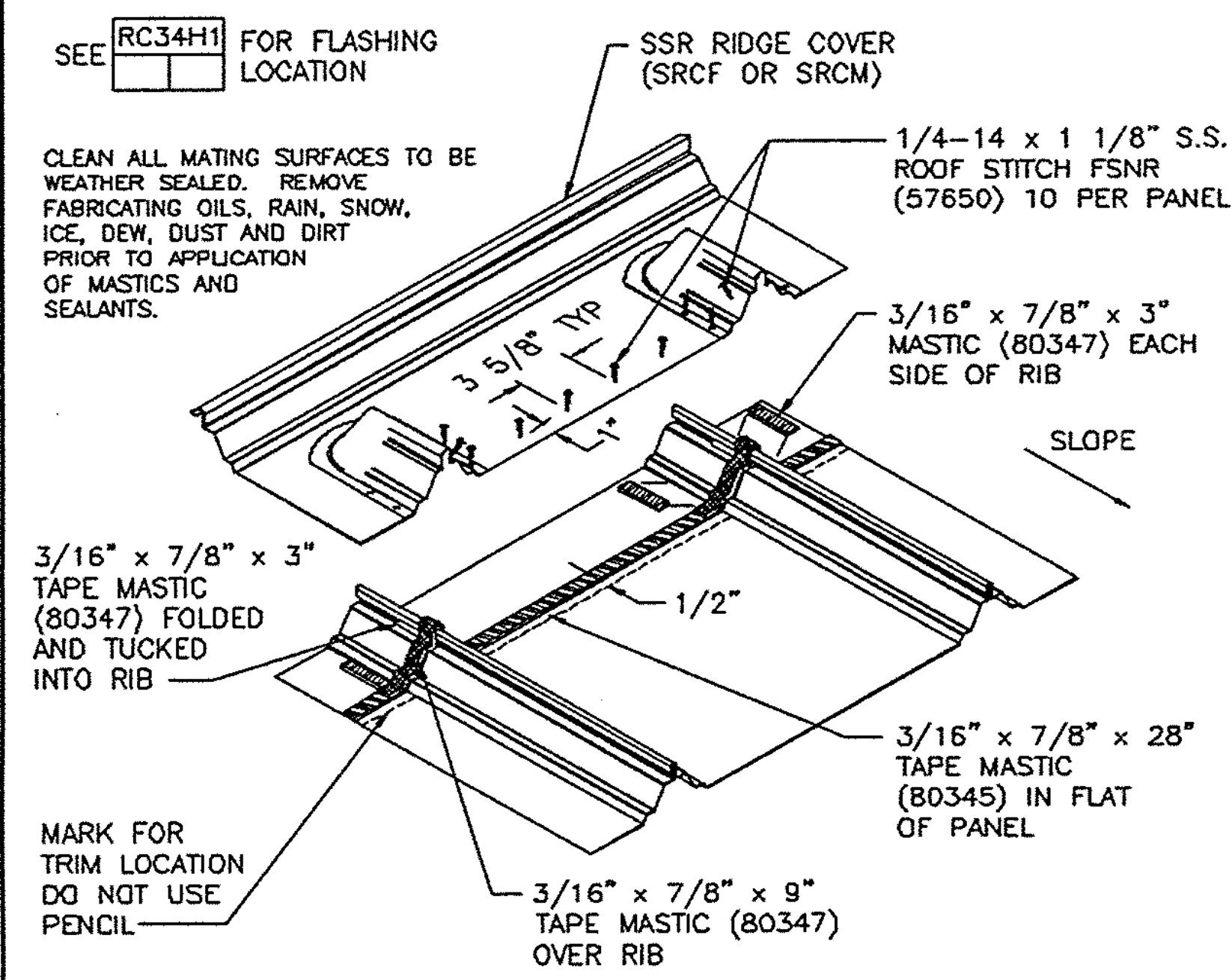
SSR ROOF W/ EAVE GUTTER RC32A2
VEE RIB WALL
RC32A2V5 R 03/02/2004



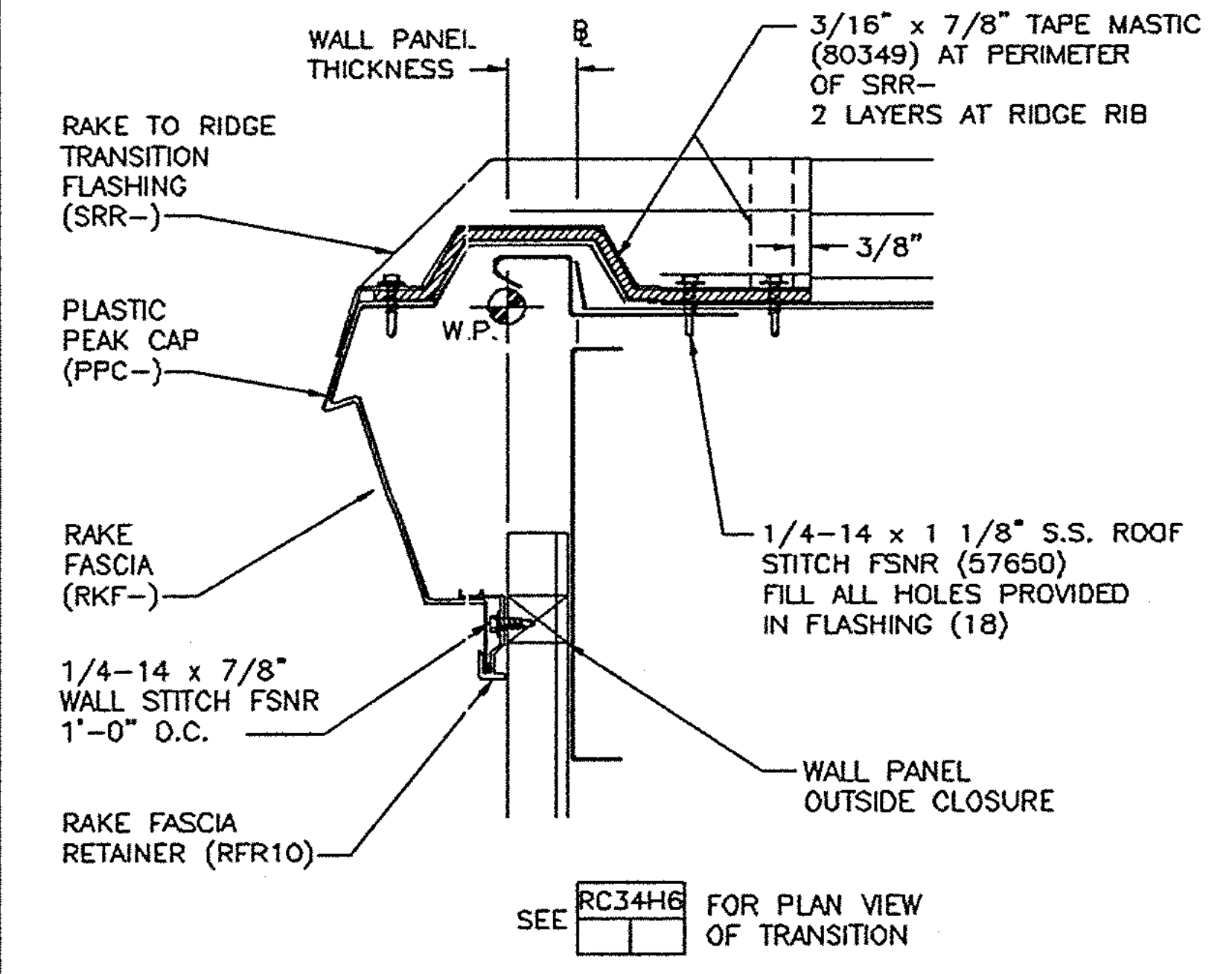
SSR RIDGE COVER ATTACHMENT RC34H1
RC34H1V5 R 01/19/2004



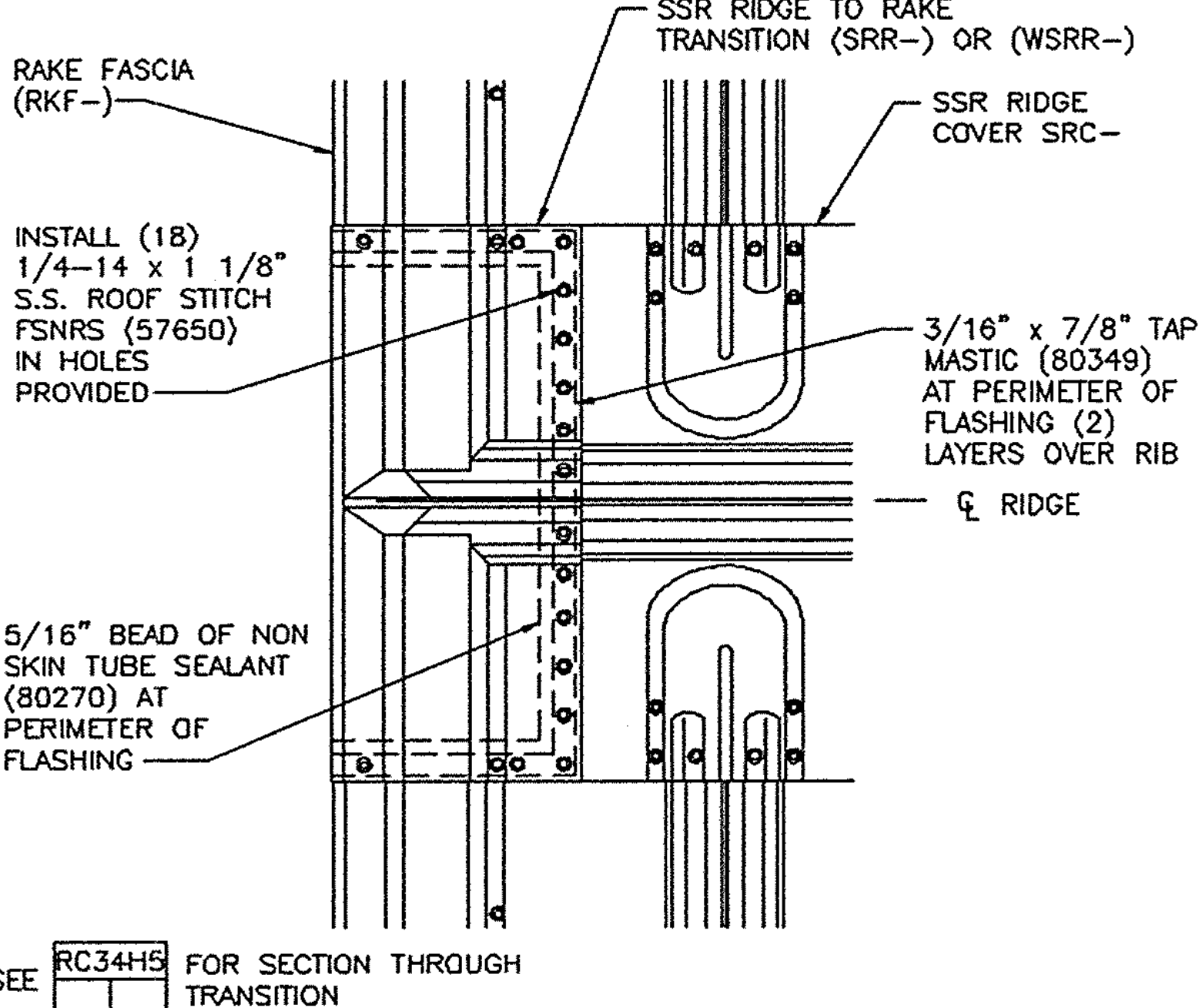
SSR SEAM CAP AT HIGH RIB RC34H3
SSR AT RIDGE PANEL SPLICE
RC34H3V2 R 10/24/2001



SSR RIDGE FLASHING RC34H4
FASTENER AND MASTIC PATTERN
RC34H4V2 R 10/24/2001



SSR RIDGE TO RAKE TRANSITION RC34H5
ALL WALL PANELS
RC34H5V3 R 03/03/2004



SSR RIDGE TO RAKE TRANSITION RC34H6
PLAN VIEW
RC34H6V2 R 01/08/2003

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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VP Buildings, Inc.
3200 Players Club Circle Memphis TN 38125

REV	DATE	BY	DESCRIPTION

9/3/2004 9:49:38

CUSTOM SED'S

BUILDER	PATCO CONSTRUCTION
CUSTOMER	Motion Industries
LOCATION	Portland, Maine
PROJECT	Motion Industries
BUILDER'S POF	

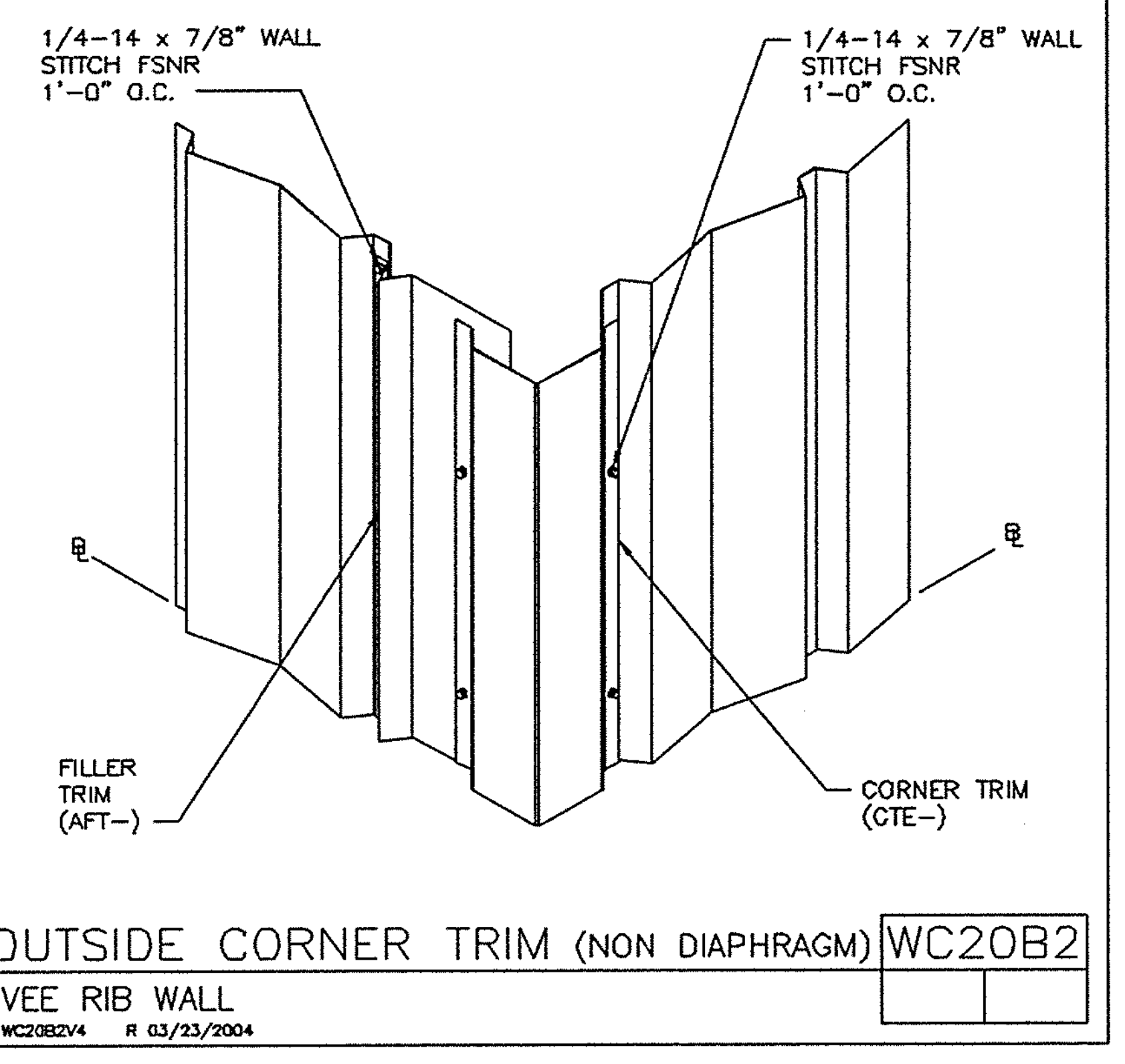
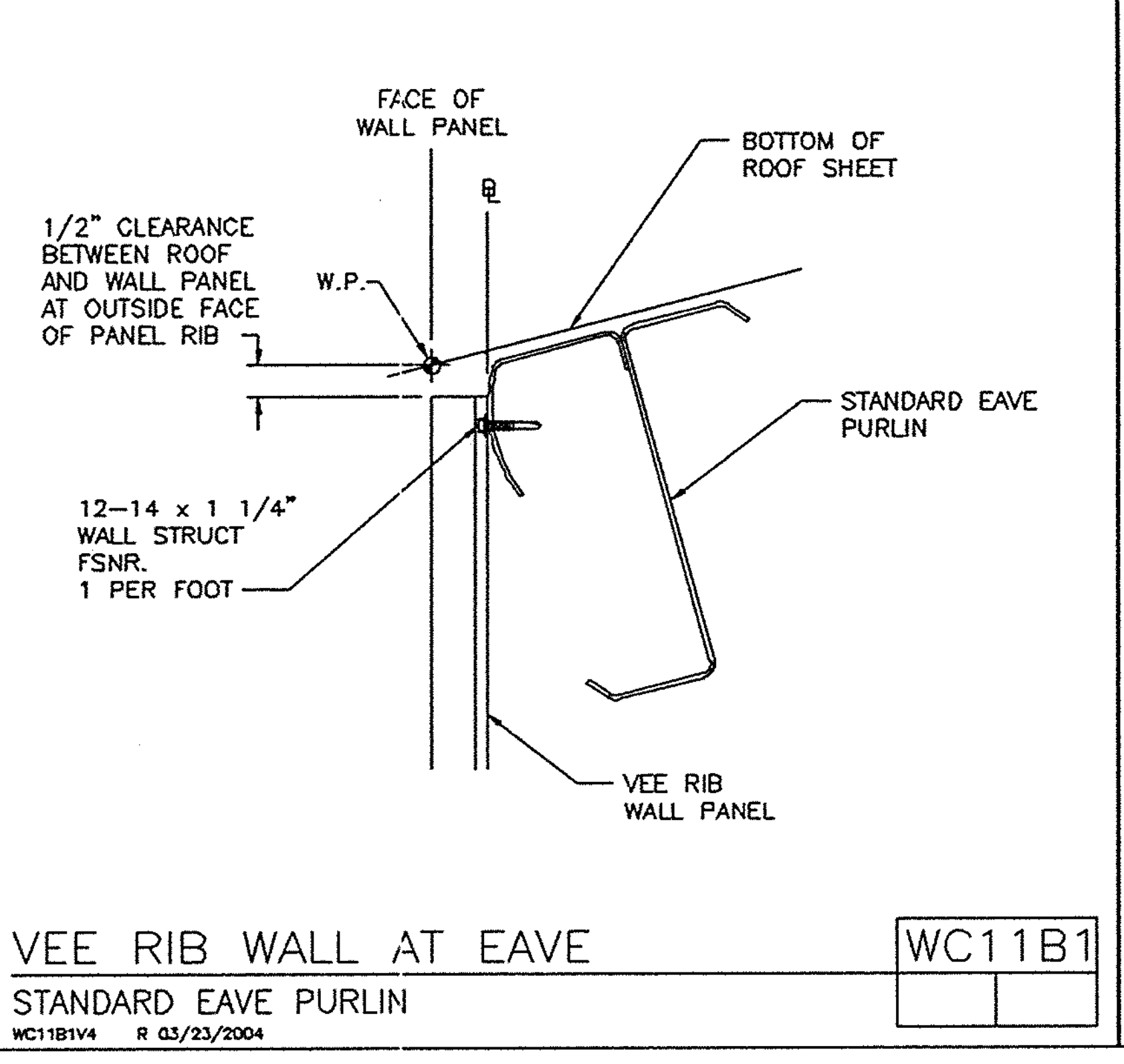
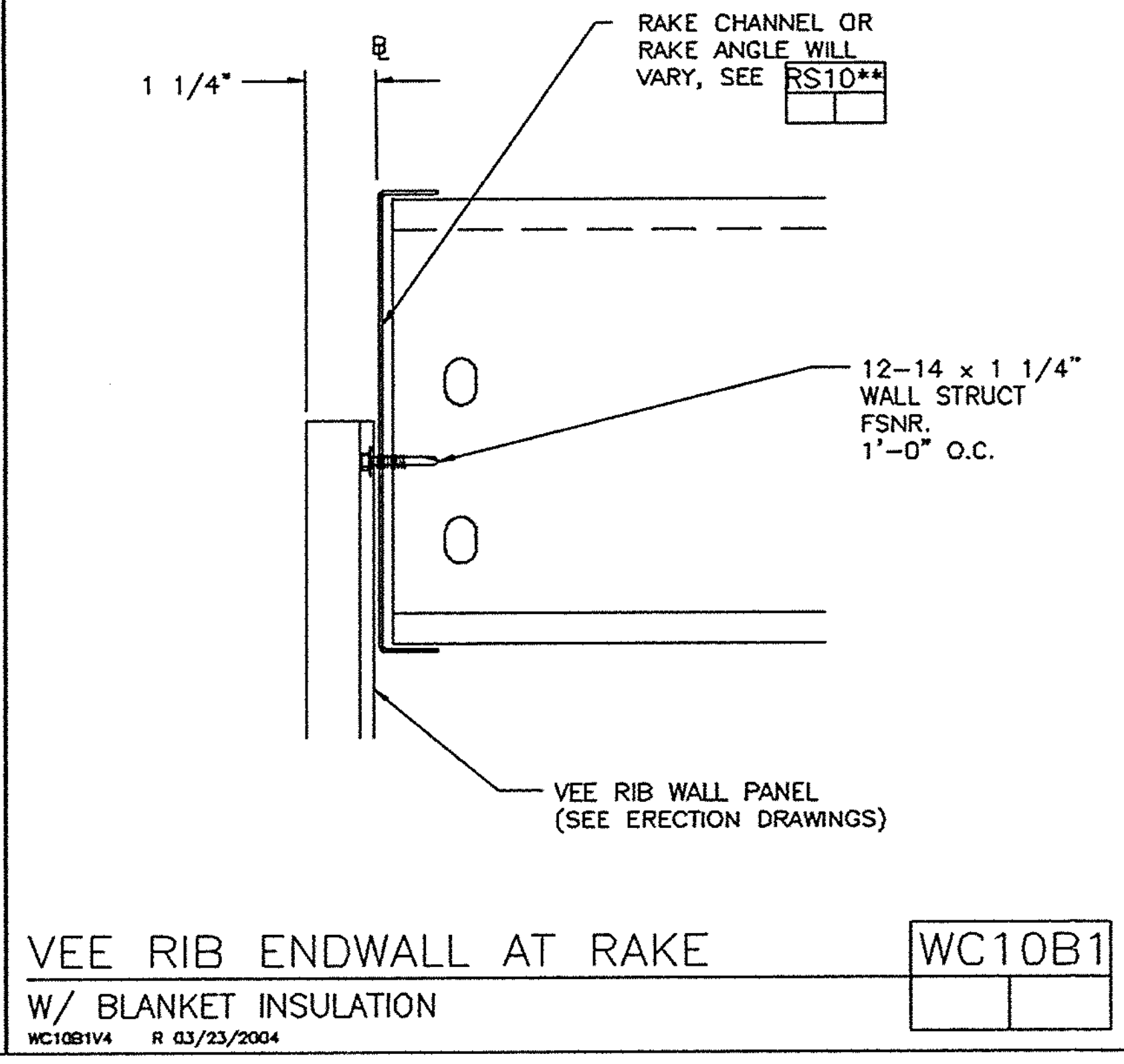
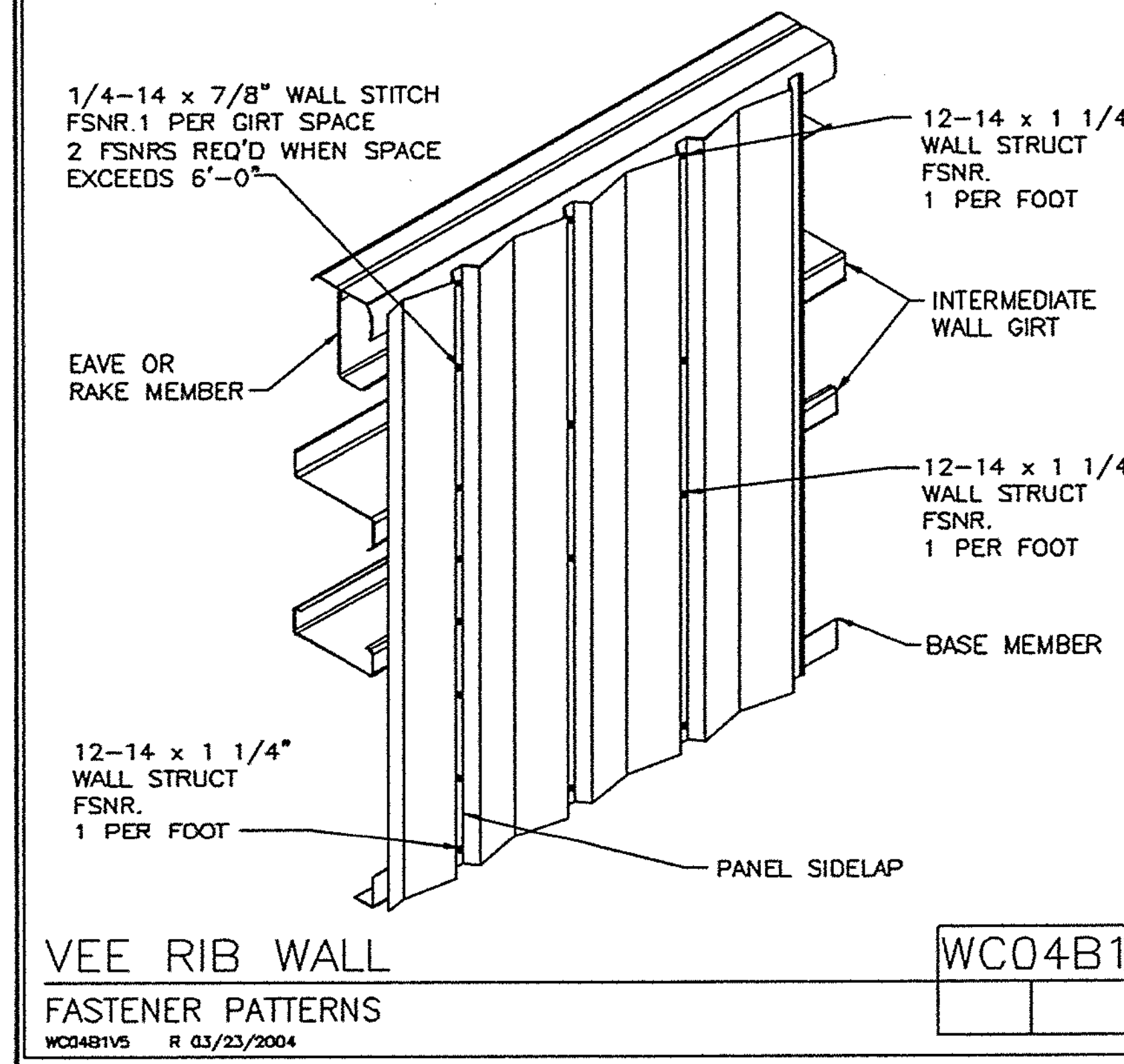
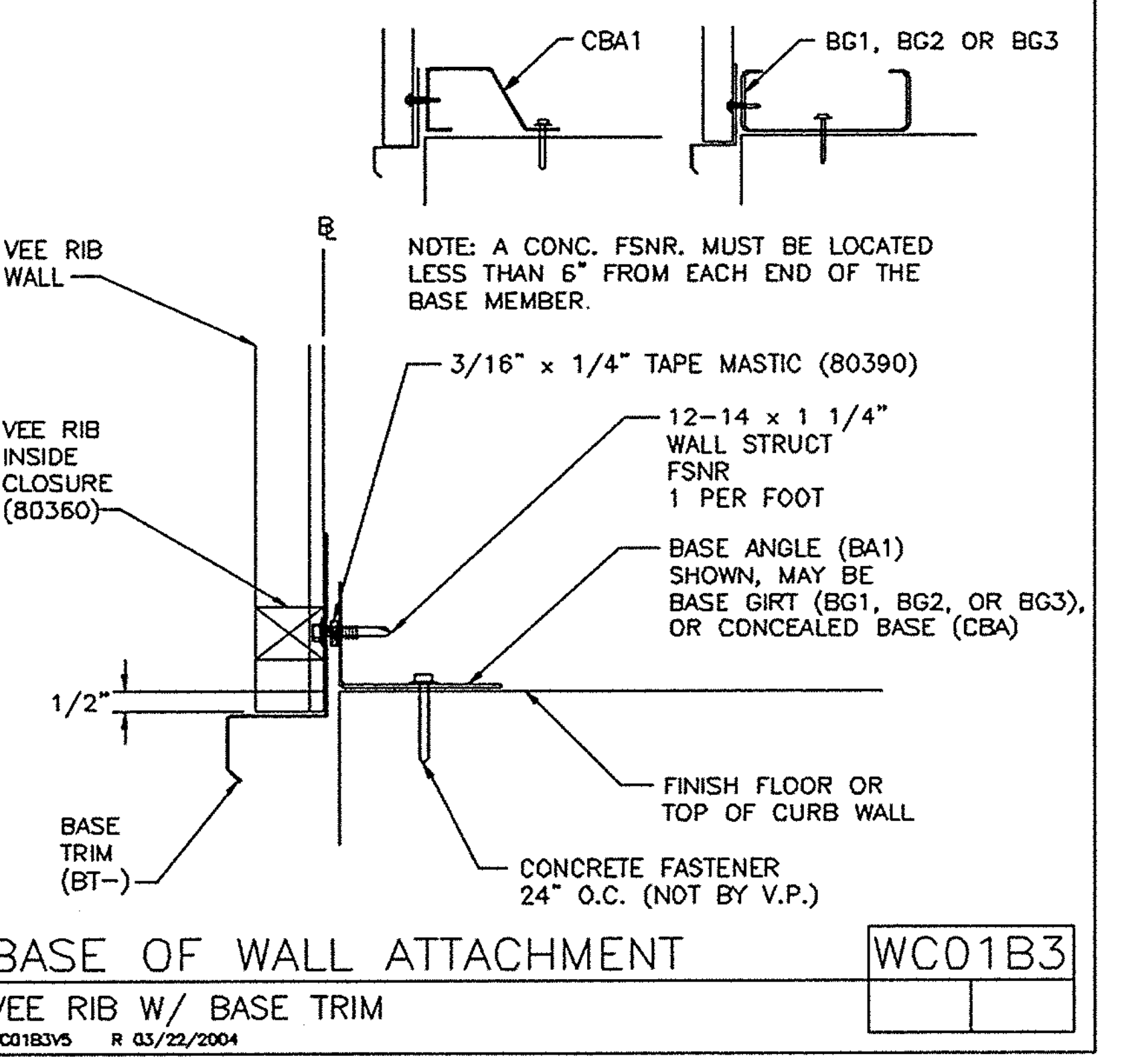
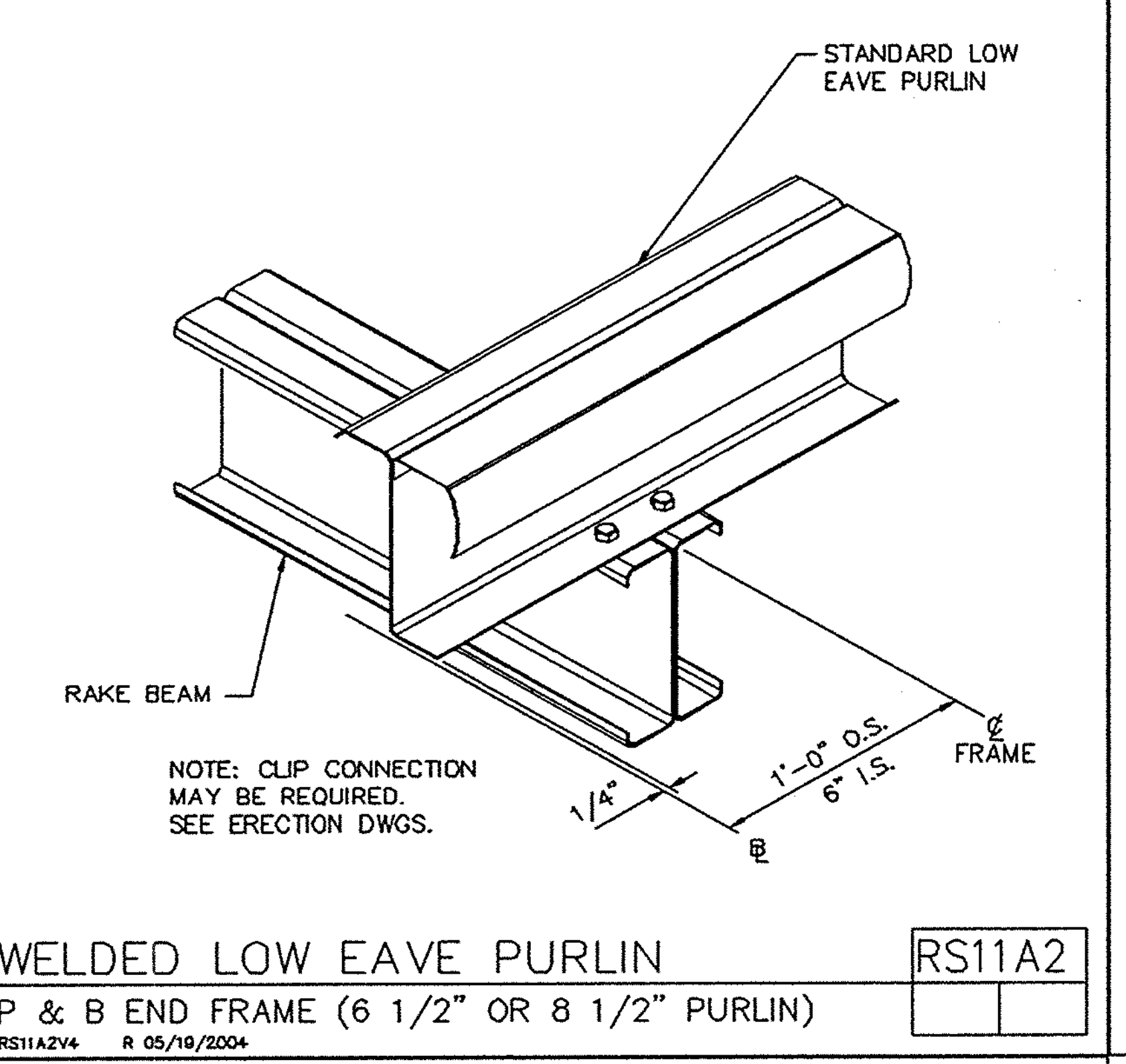
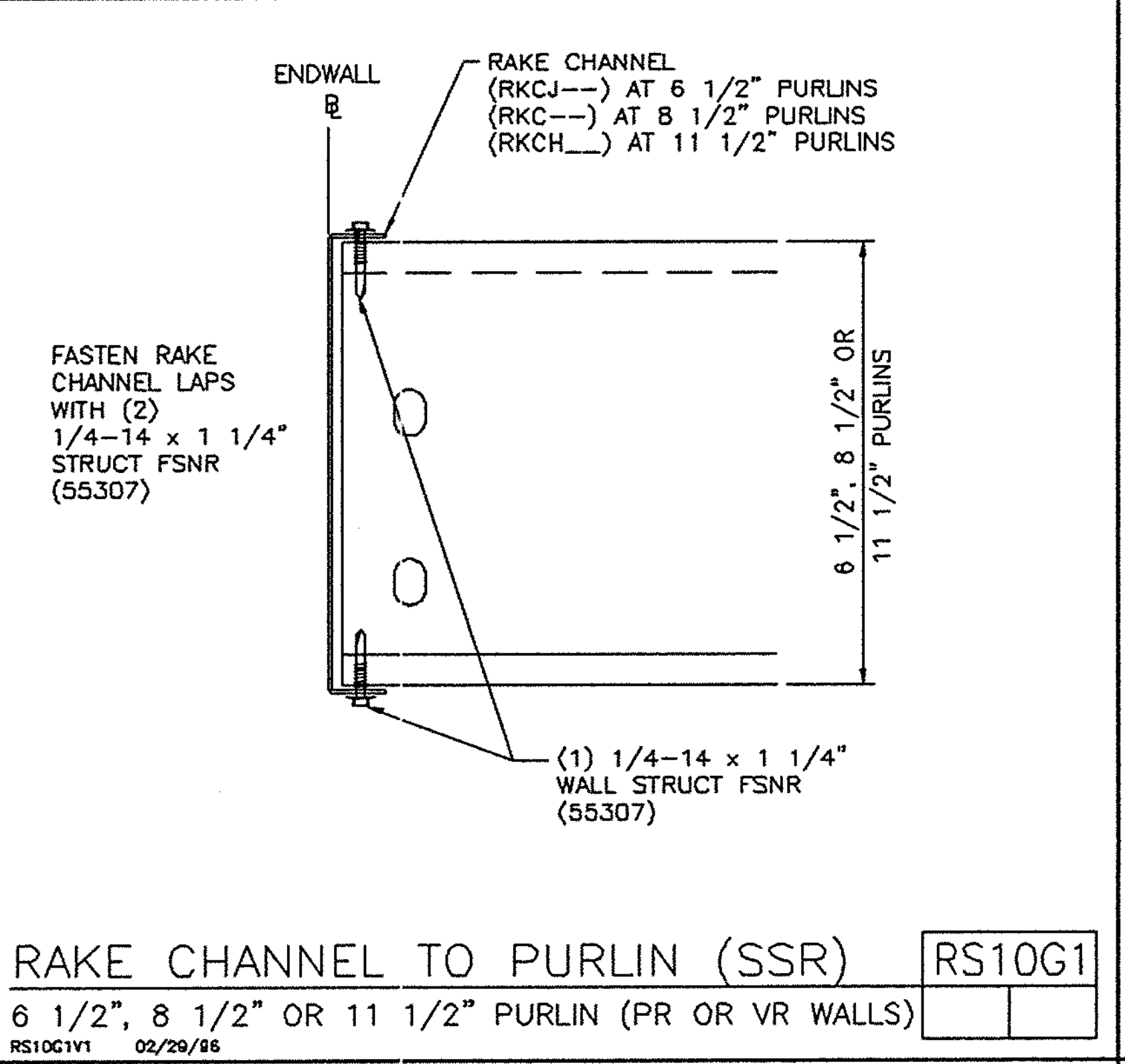
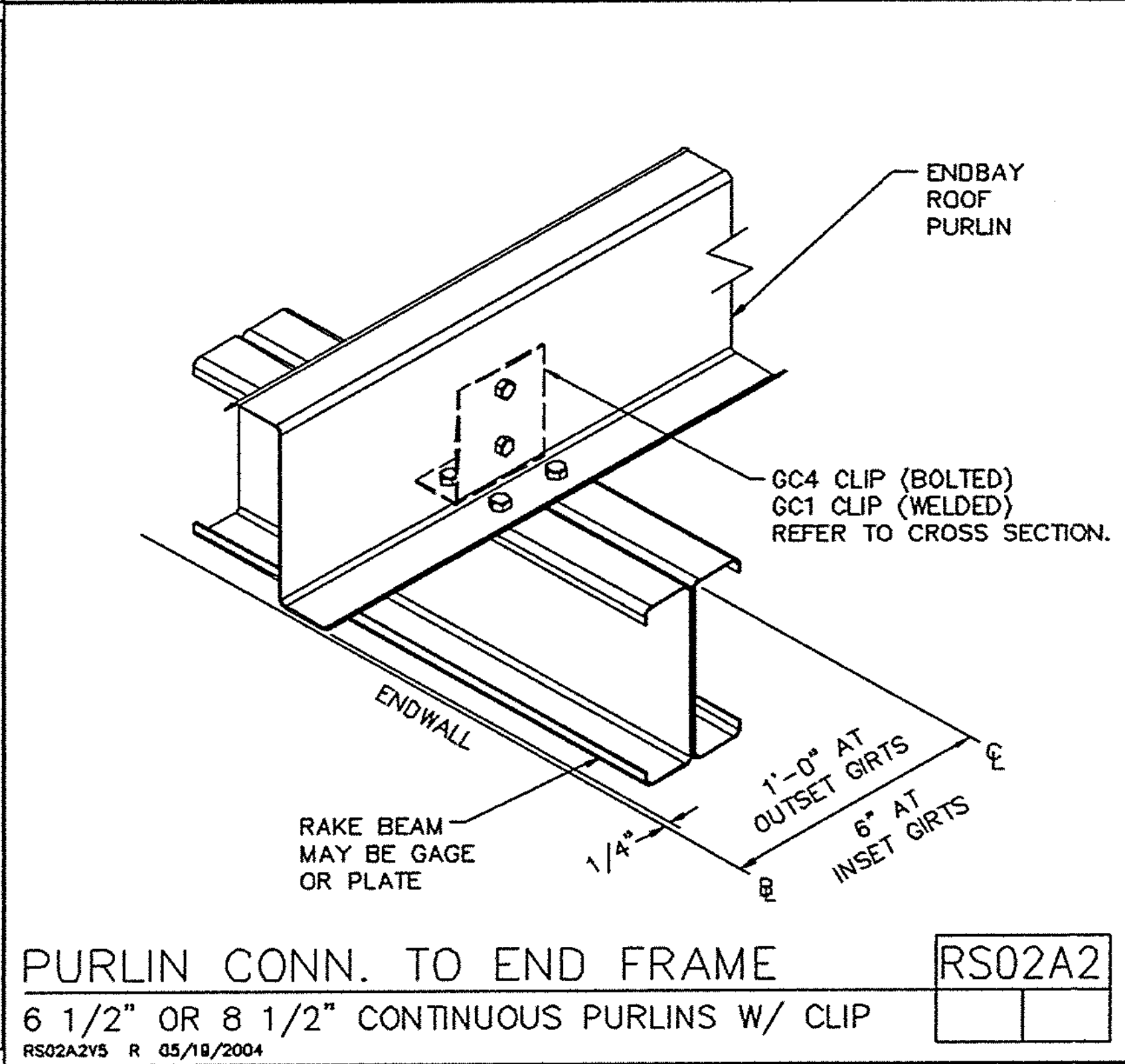
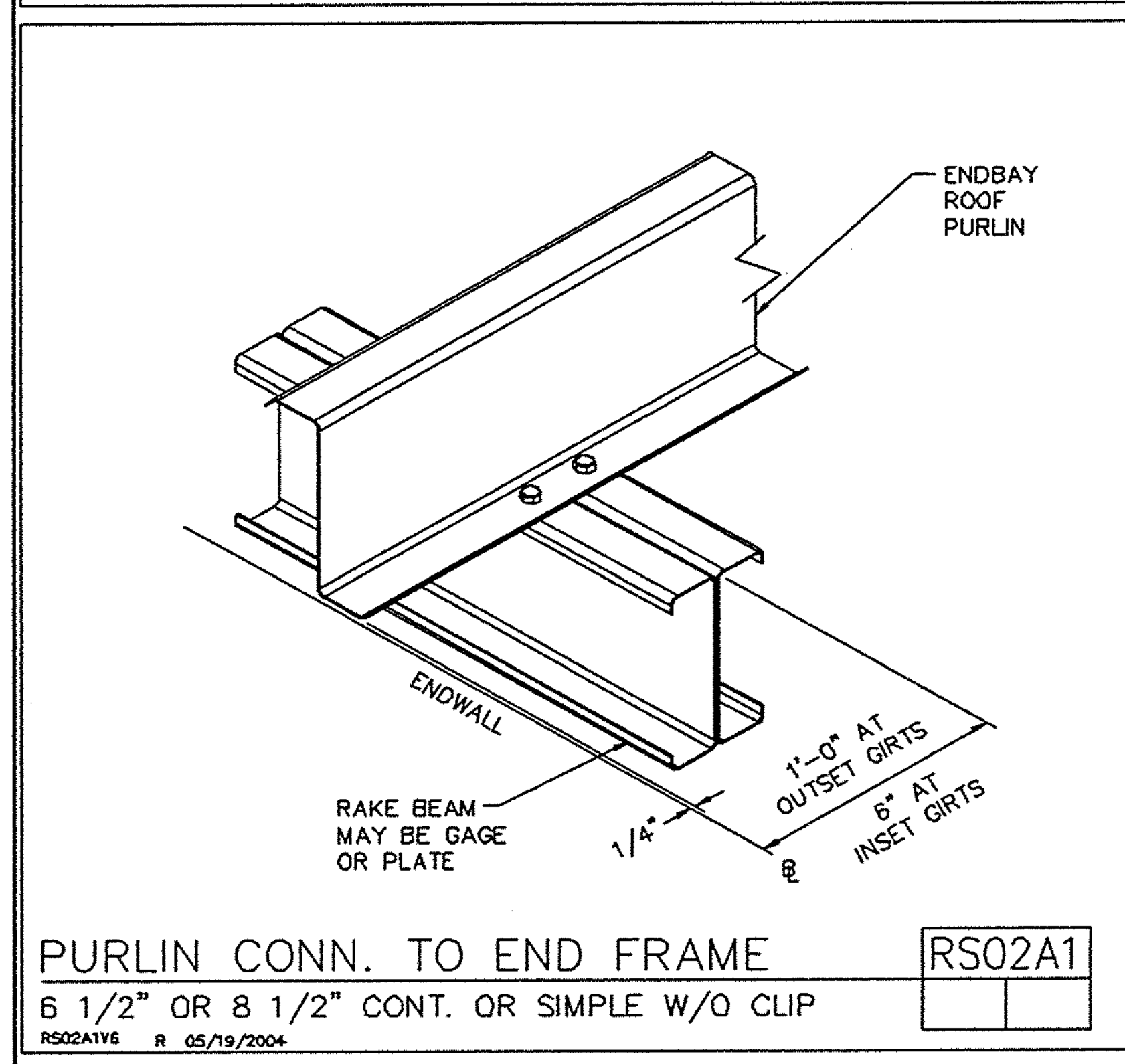
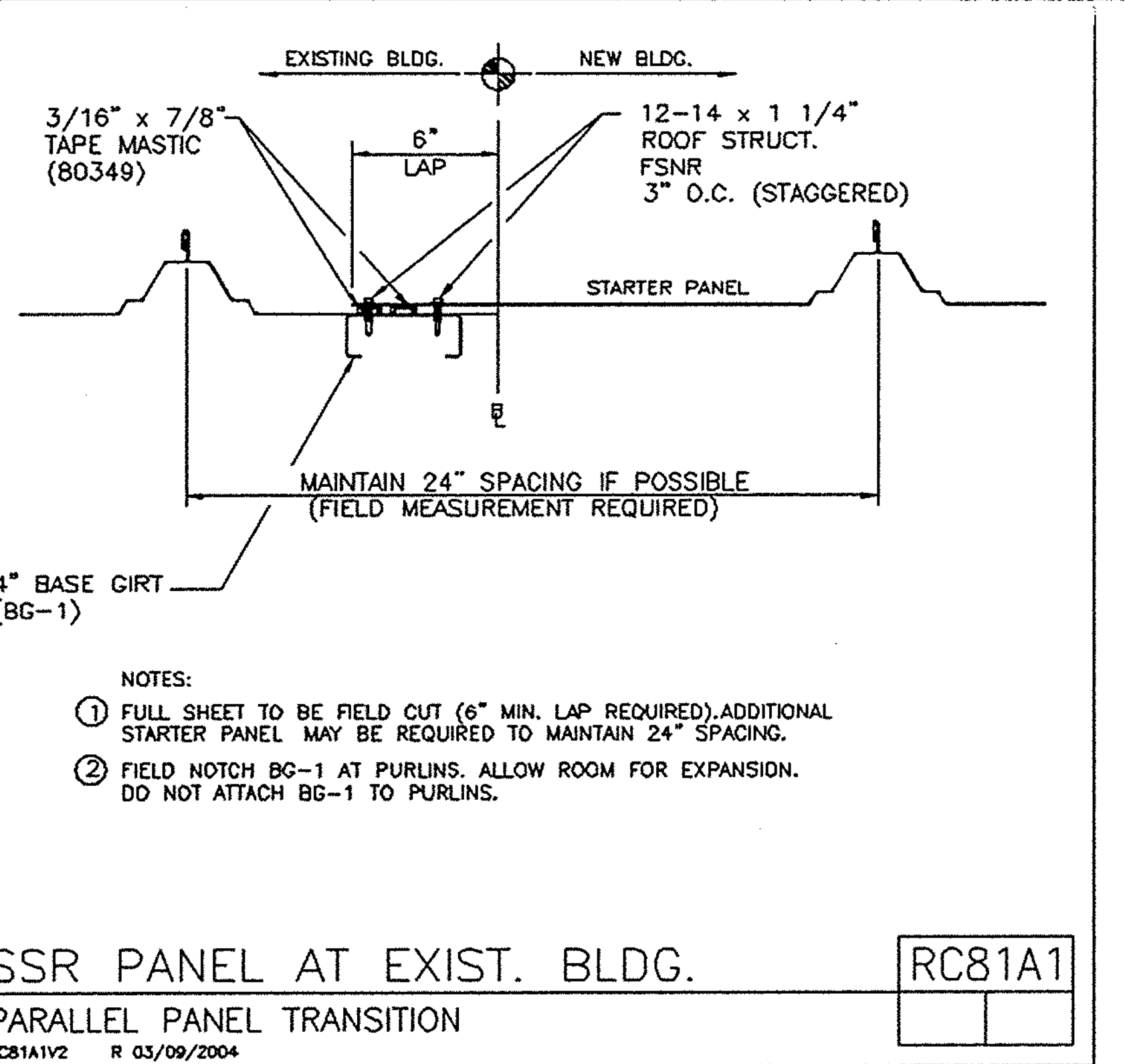
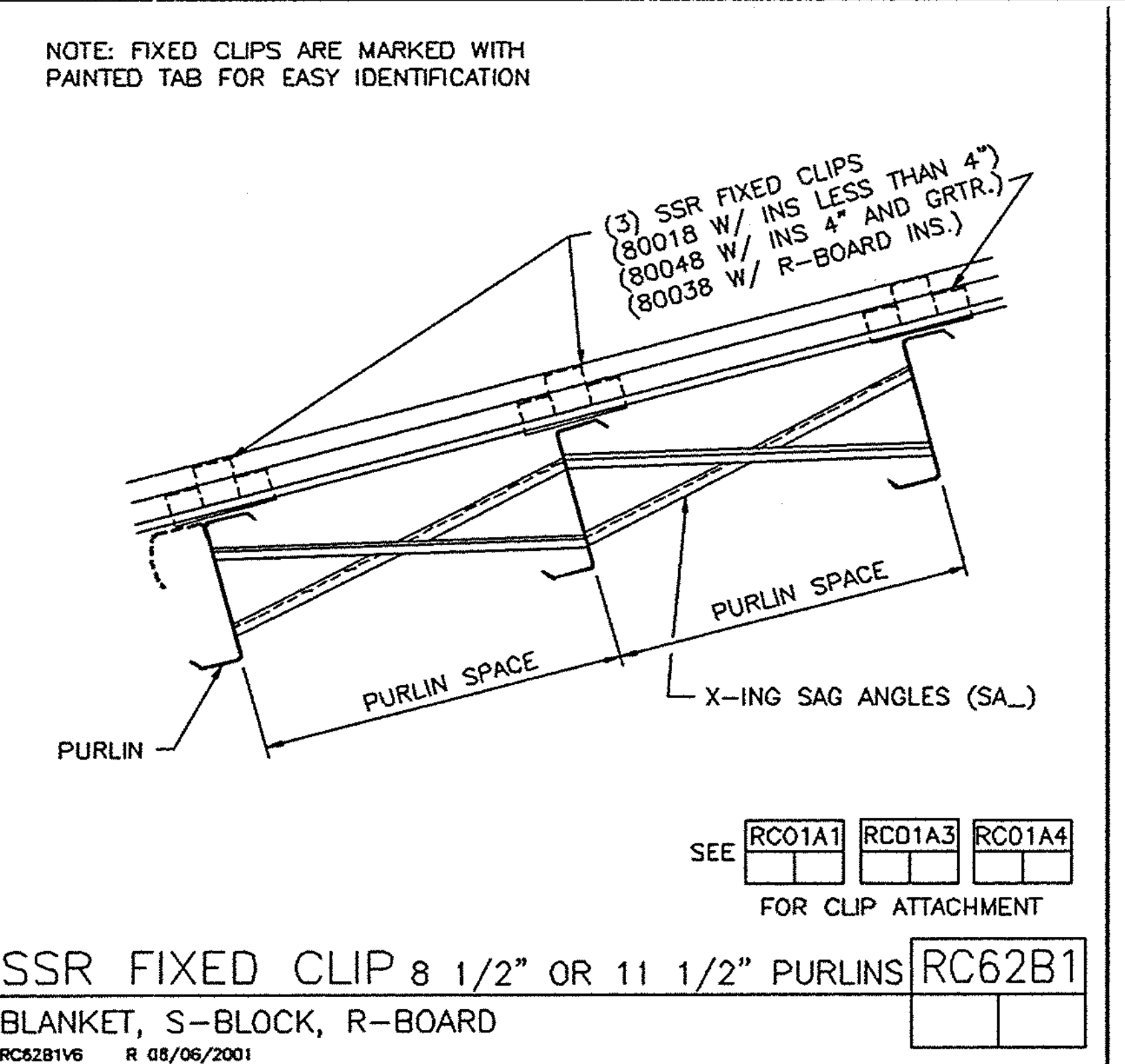
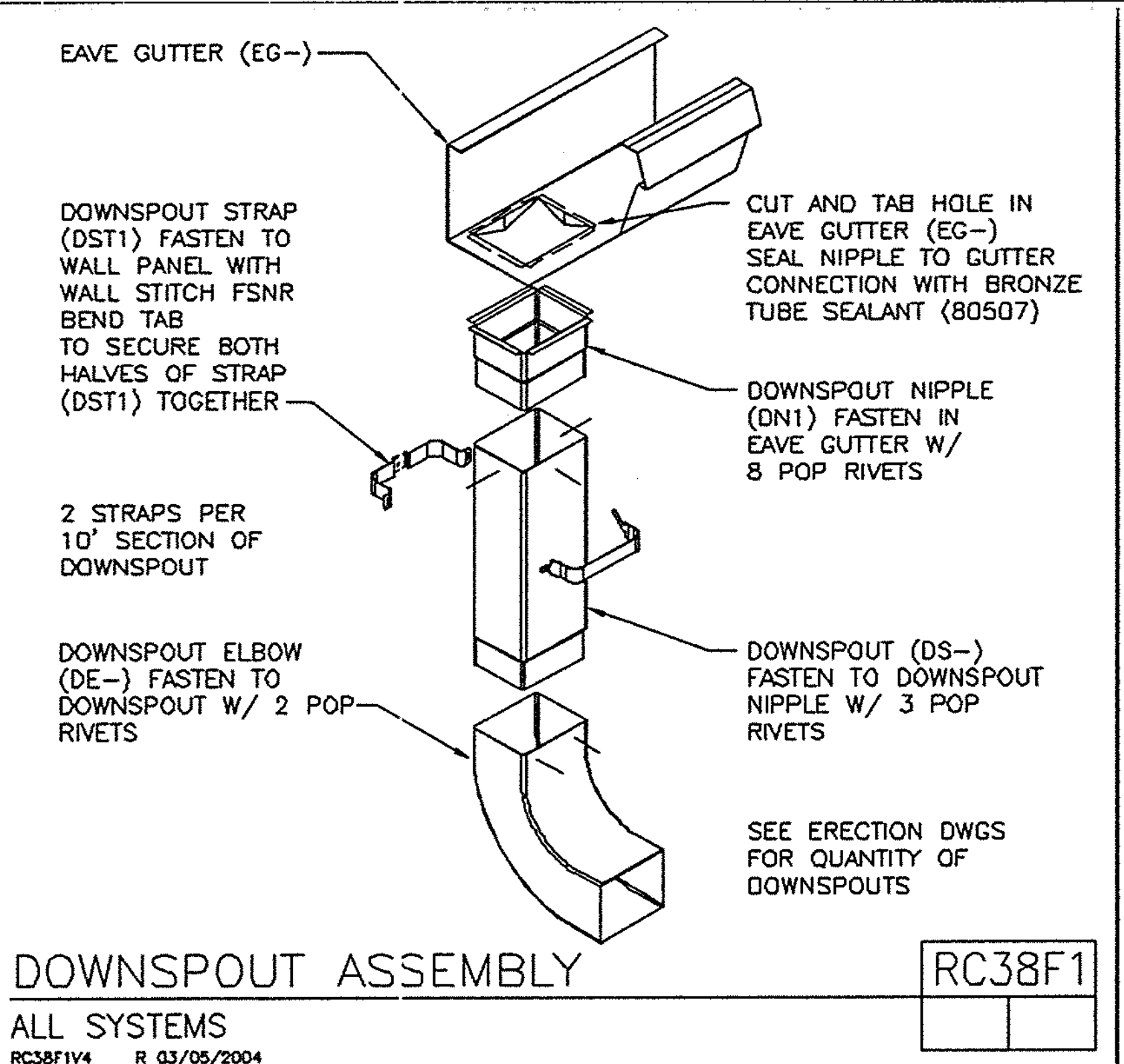
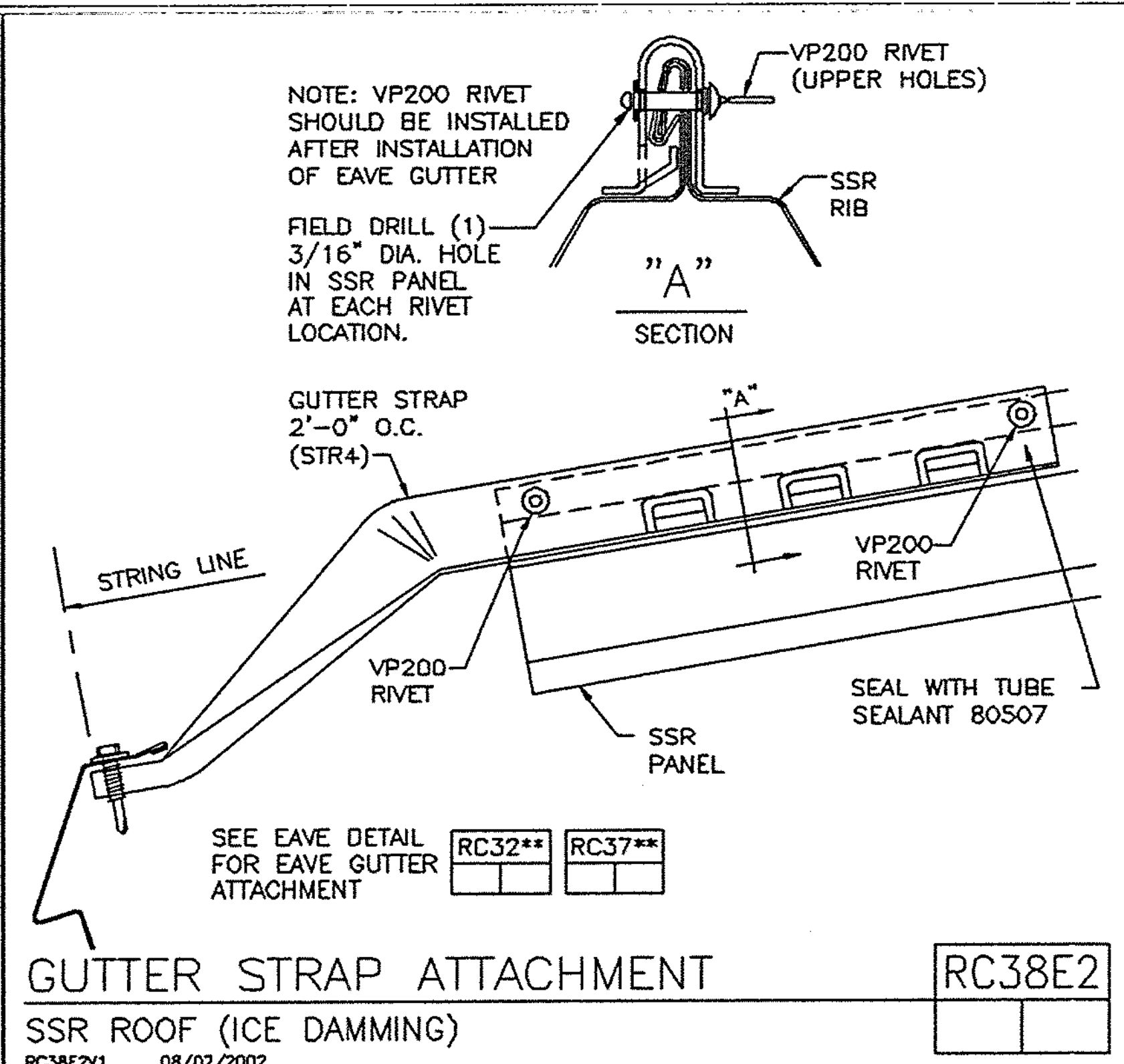
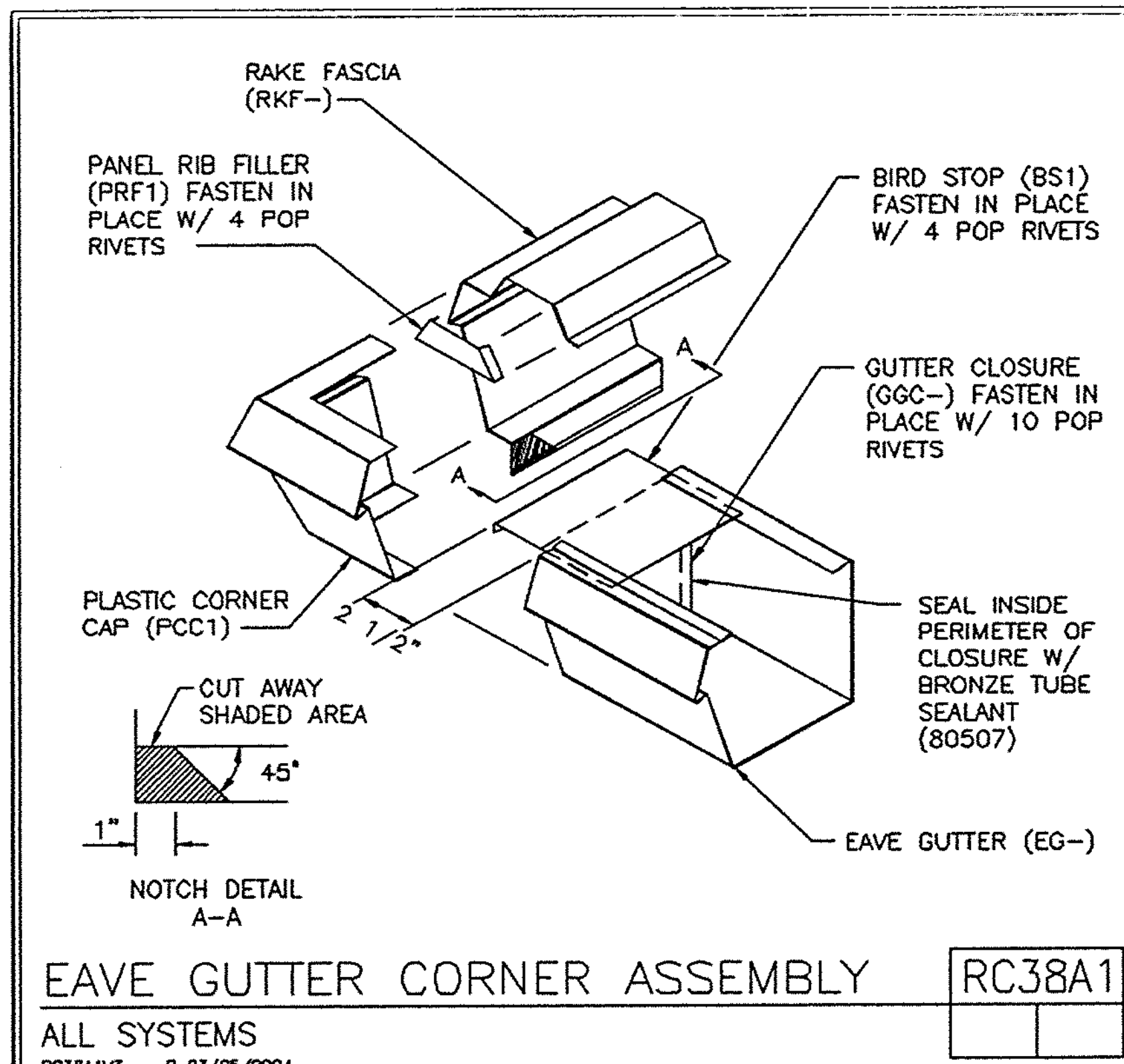


VP BUILDINGS
WARCOFFRUDEN
VPC VERSION: 5.0b

JOB #	WI0400750-01
DATE	9/2/04
DRAWN/CHECK	AMZ NC
PAGE	17

FILENAME: Copy of WI0400750-010E1.vpc

LPS



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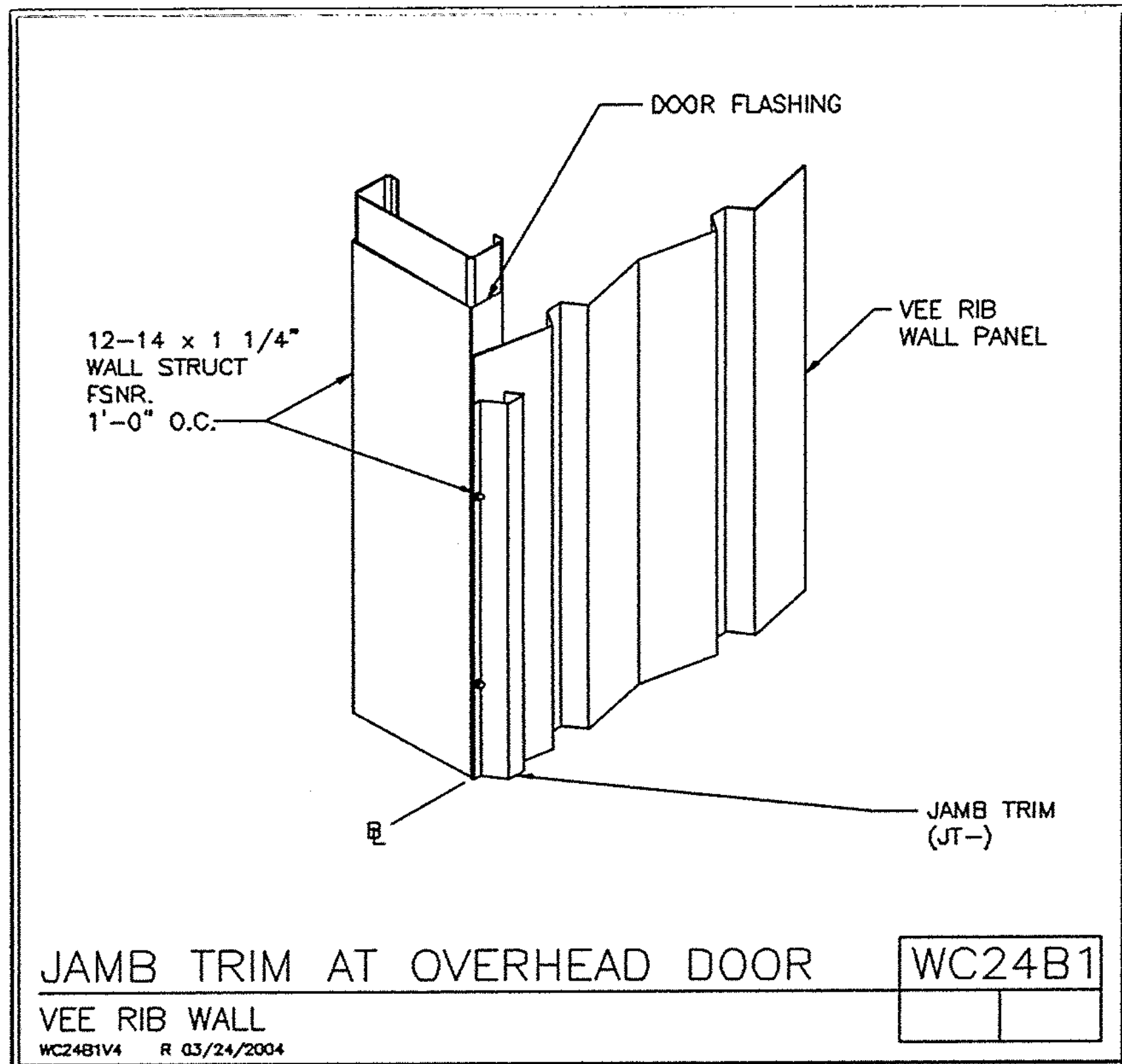
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VP Buildings, Inc.			
3200 Players Club Circle Memphis TN 38125			
REV	DATE	BY	DESCRIPTION
NTS			

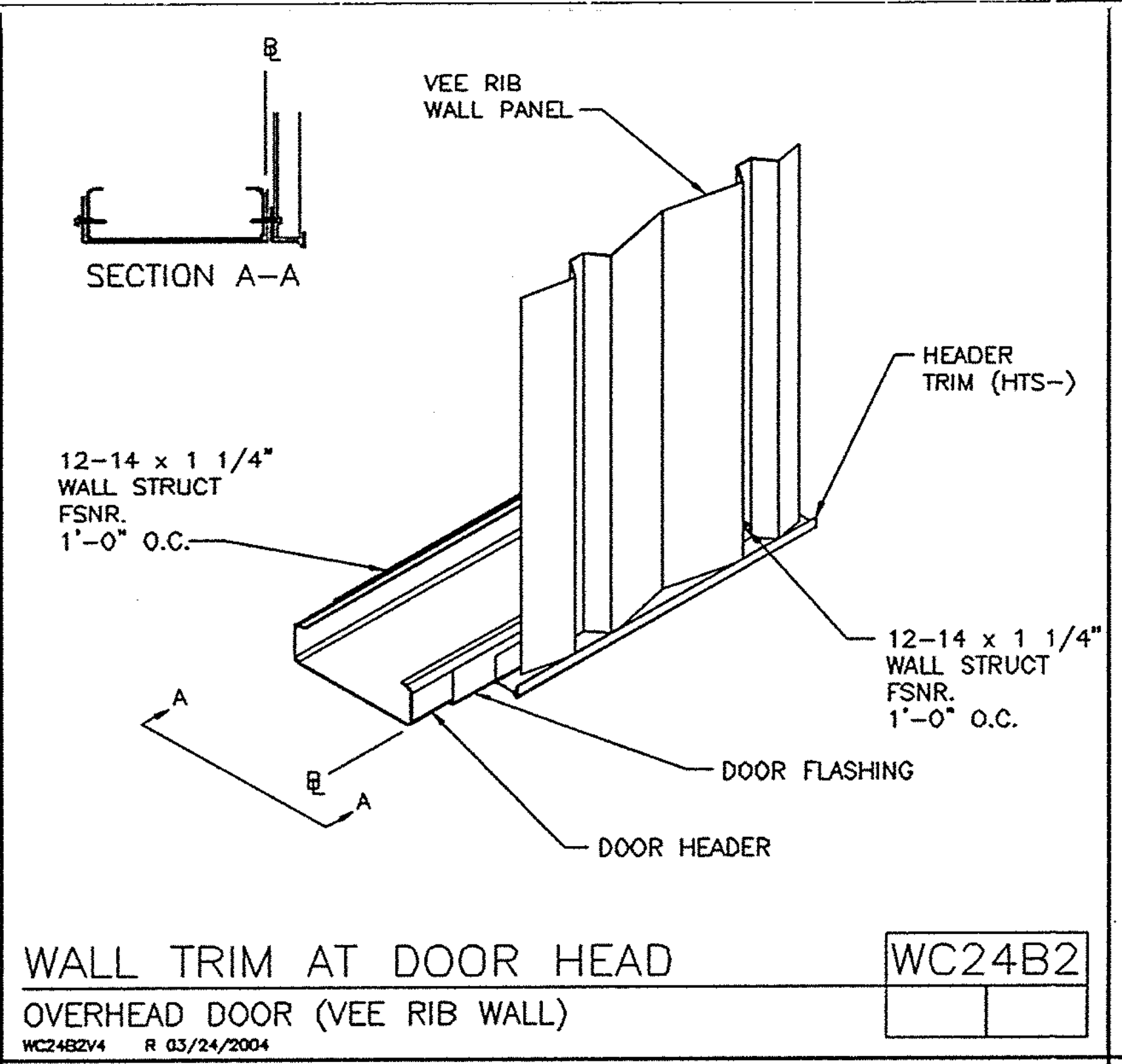
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BUILDER	PATCO CONSTRUCTION
CUSTOMER	Motion Industries
LOCATION	Portland, Maine
PROJECT	Motion Industries
BUILDER'S PO#	

	JOB #	WI0400750-01
	DATE	9/2/04
	DRAWN/CHECK	AMZ NC
	PAGE	18

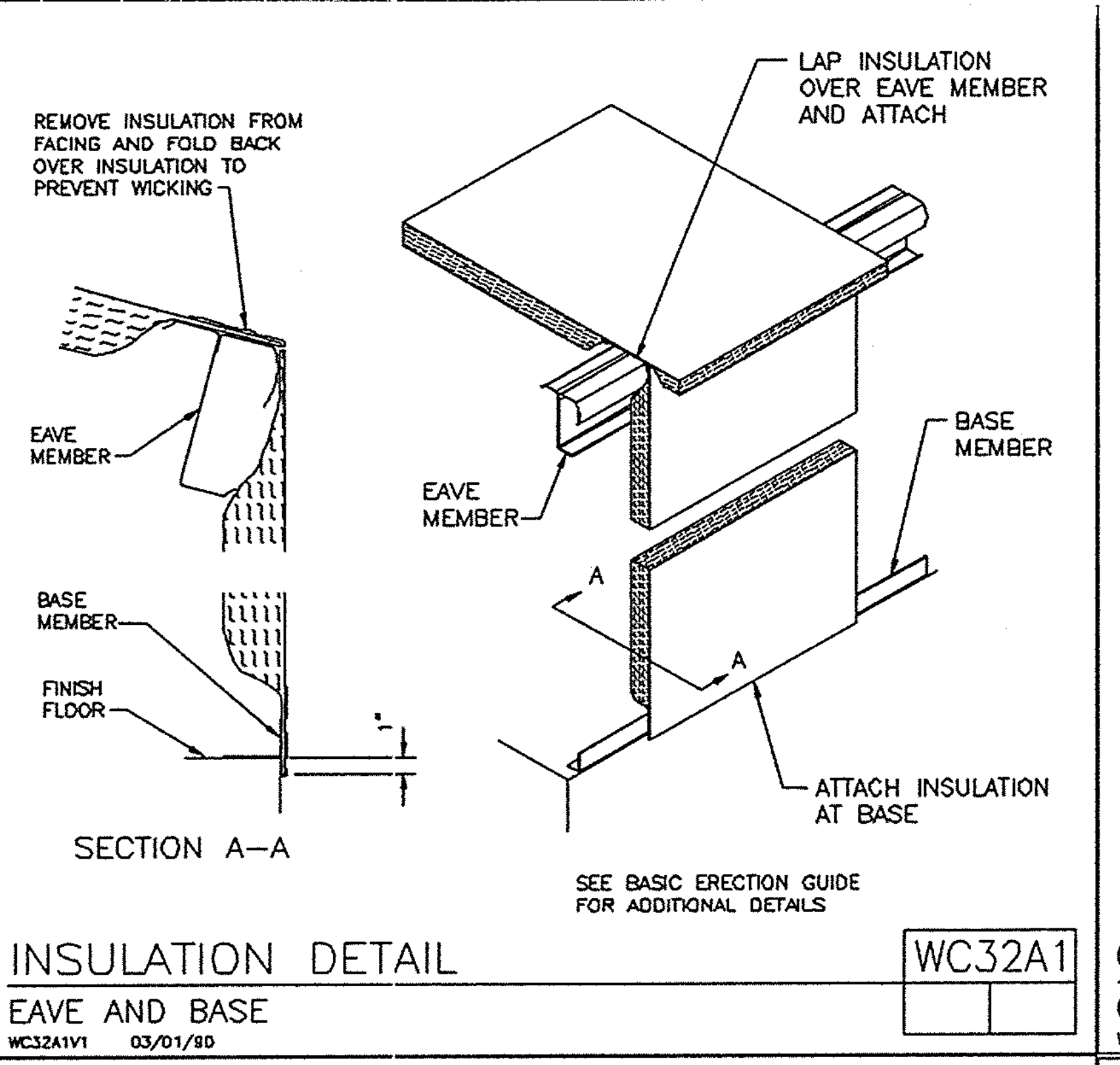
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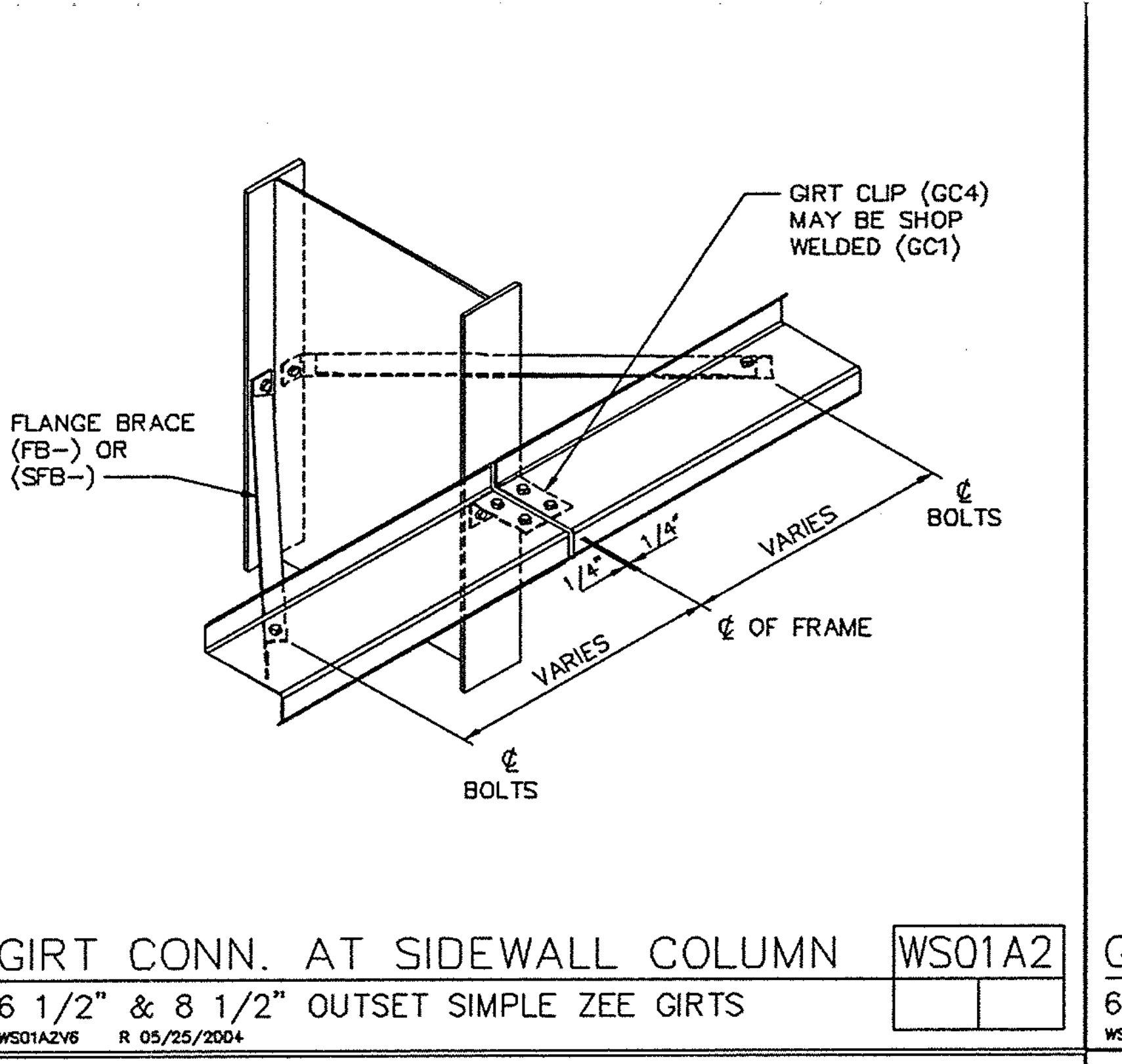
JAMB TRIM AT OVERHEAD DOOR WC24B1
VEE RIB WALL
WC24B1V4 R 03/24/2004



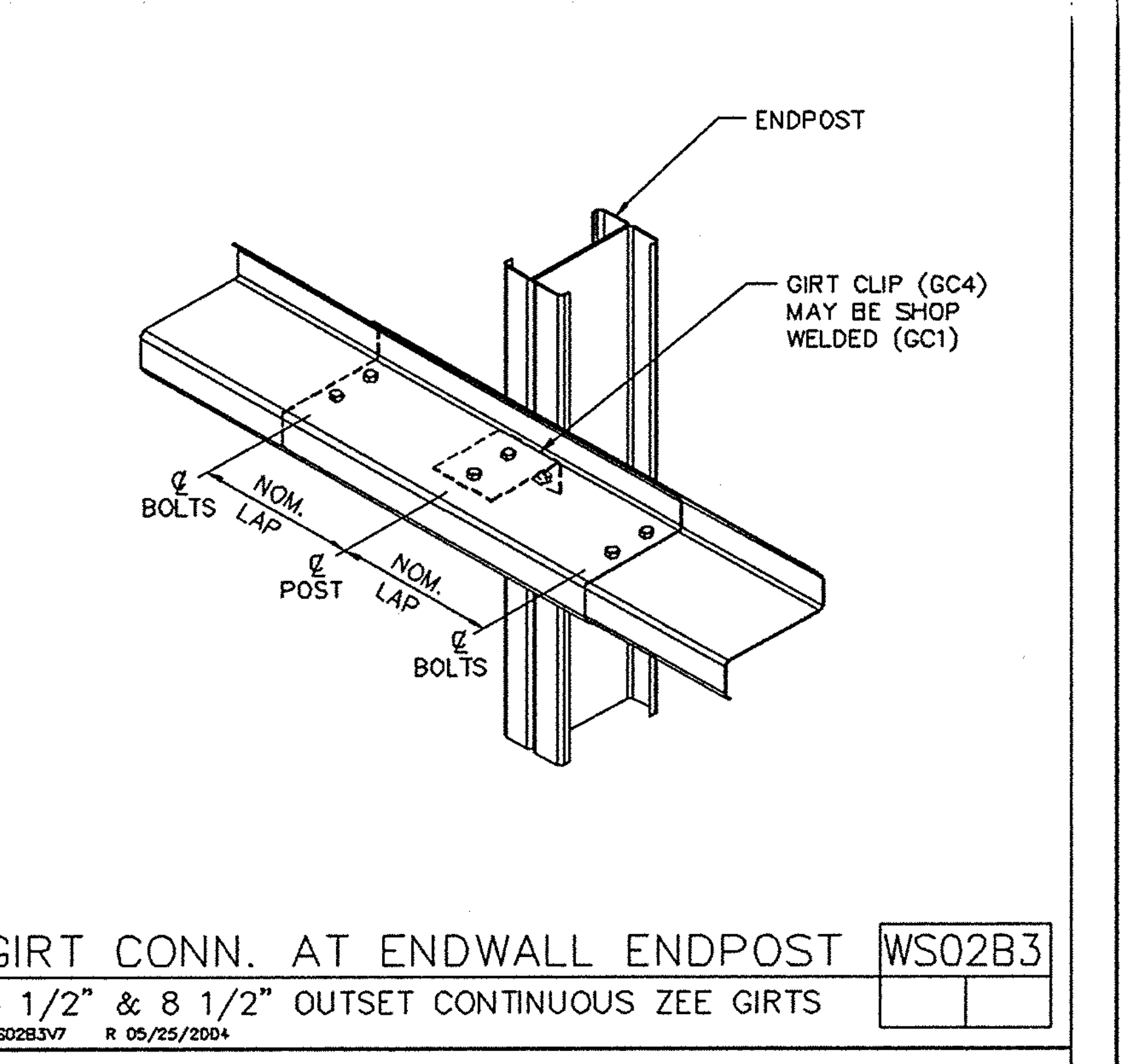
WALL TRIM AT DOOR HEAD WC24B2
OVERHEAD DOOR (VEE RIB WALL)
WC24B2V4 R 03/24/2004



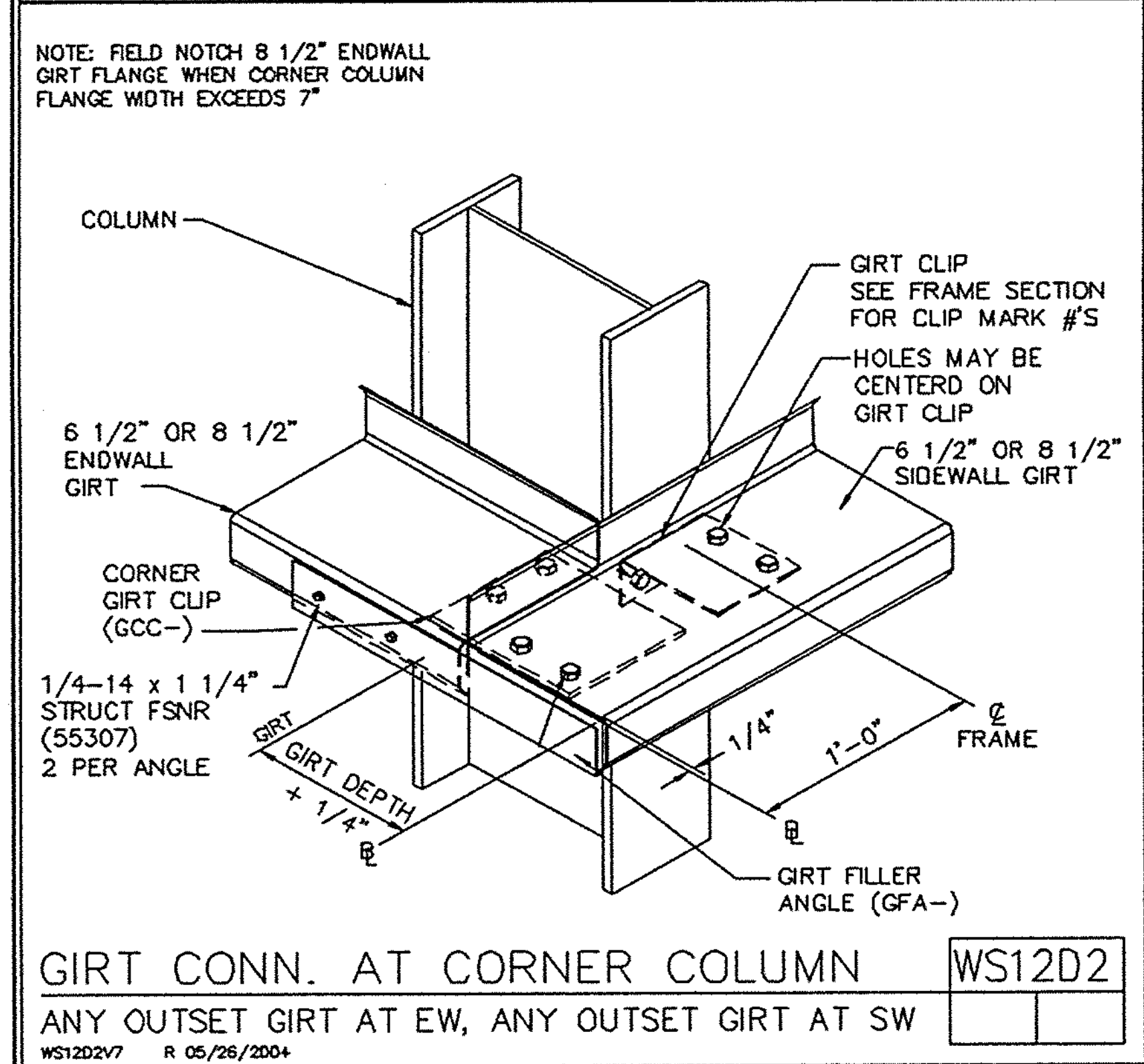
INSULATION DETAIL WC32A1
EAVE AND BASE
WC32A1V1 03/01/00



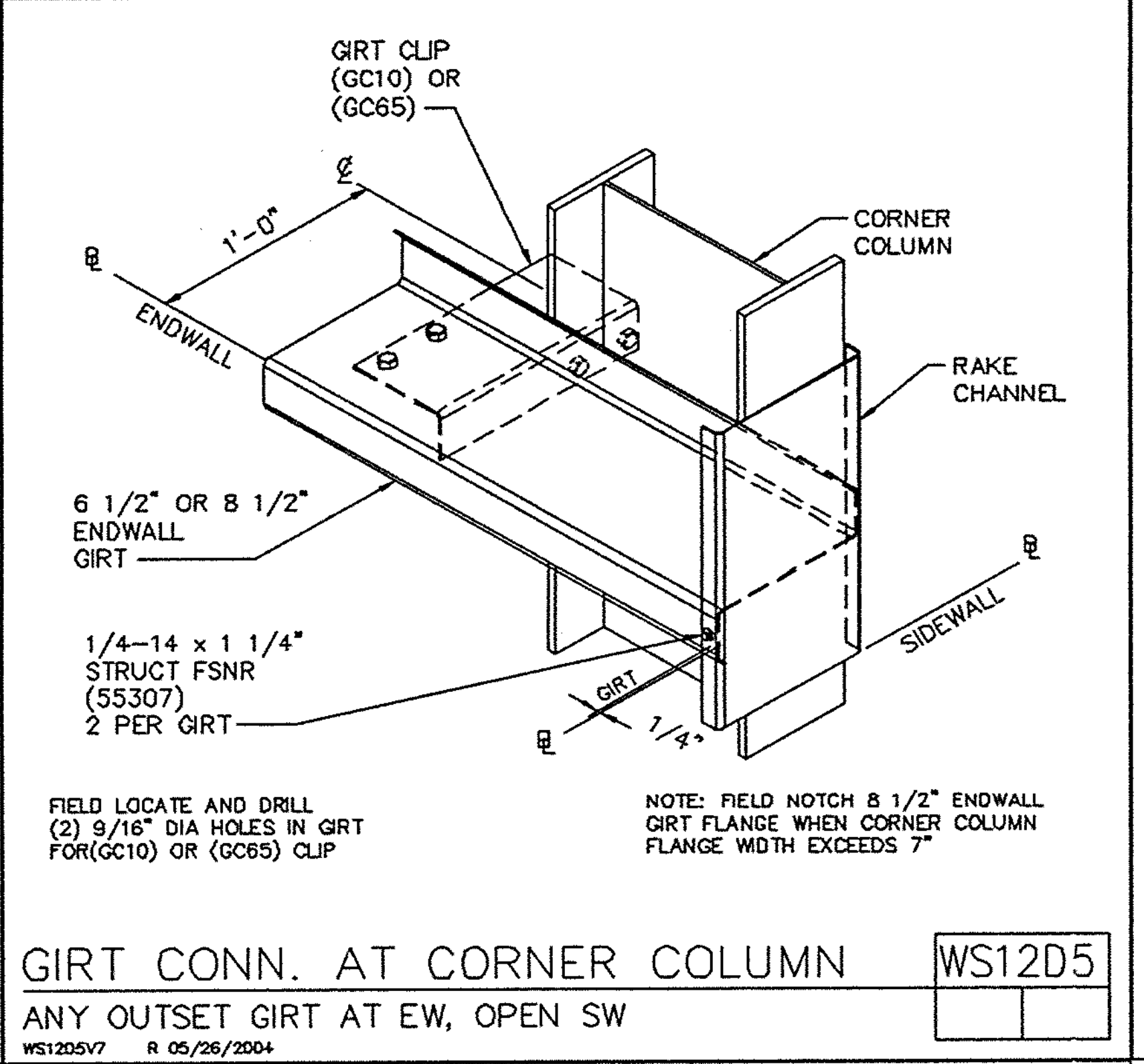
GIRT CONN. AT SIDEWALL COLUMN WS01A2
6 1/2" & 8 1/2" OUTSET SIMPLE ZEE GIRTS
WS01A2V6 R 05/25/2004



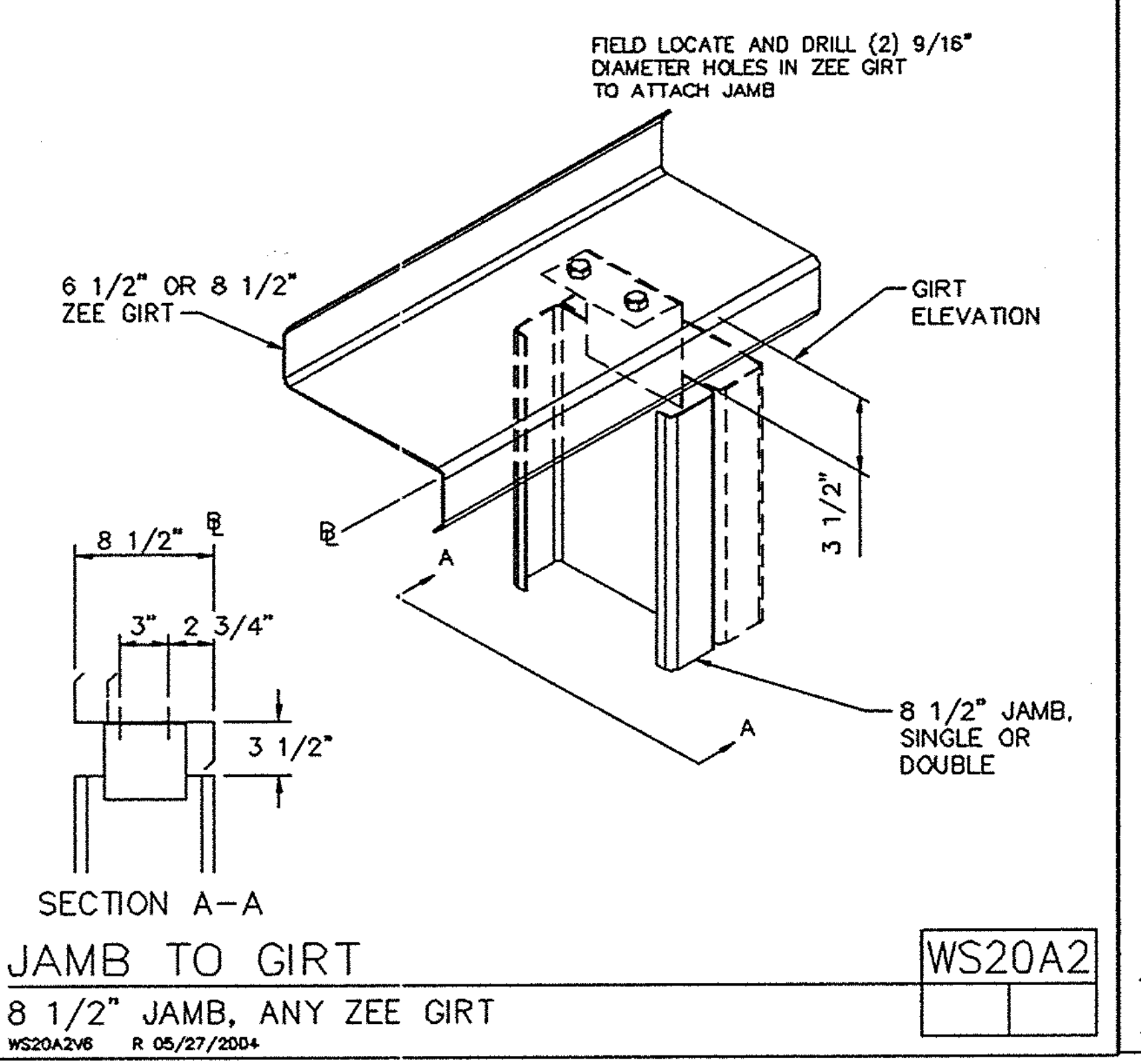
GIRT CONN. AT ENDWALL ENDPOST WS02B3
6 1/2" & 8 1/2" OUTSET CONTINUOUS ZEE GIRTS
WS02B3V7 R 05/25/2004



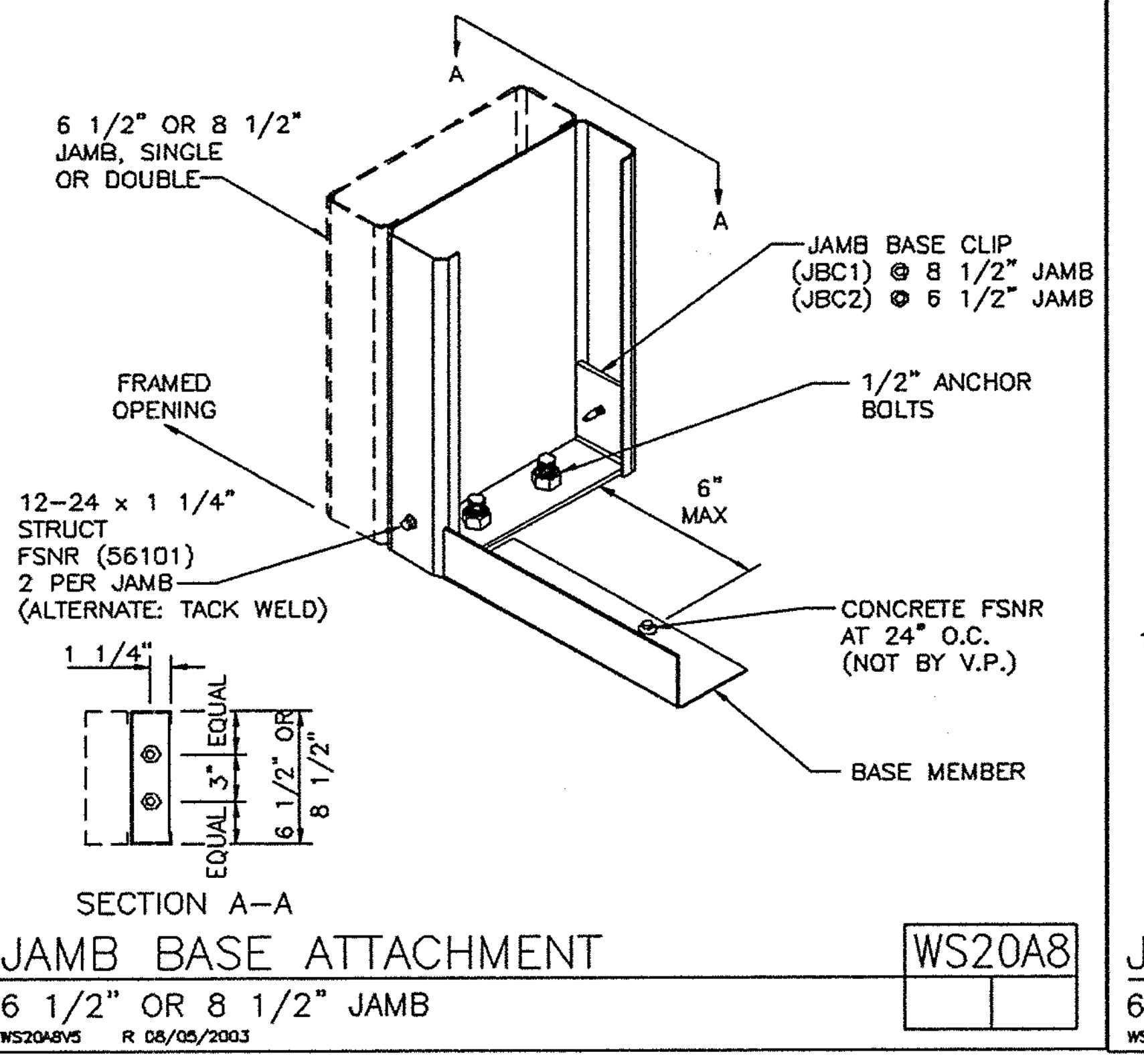
GIRT CONN. AT CORNER COLUMN WS12D2
ANY OUTSET GIRT AT EW, ANY OUTSET GIRT AT SW
WS12D2V7 R 05/26/2004



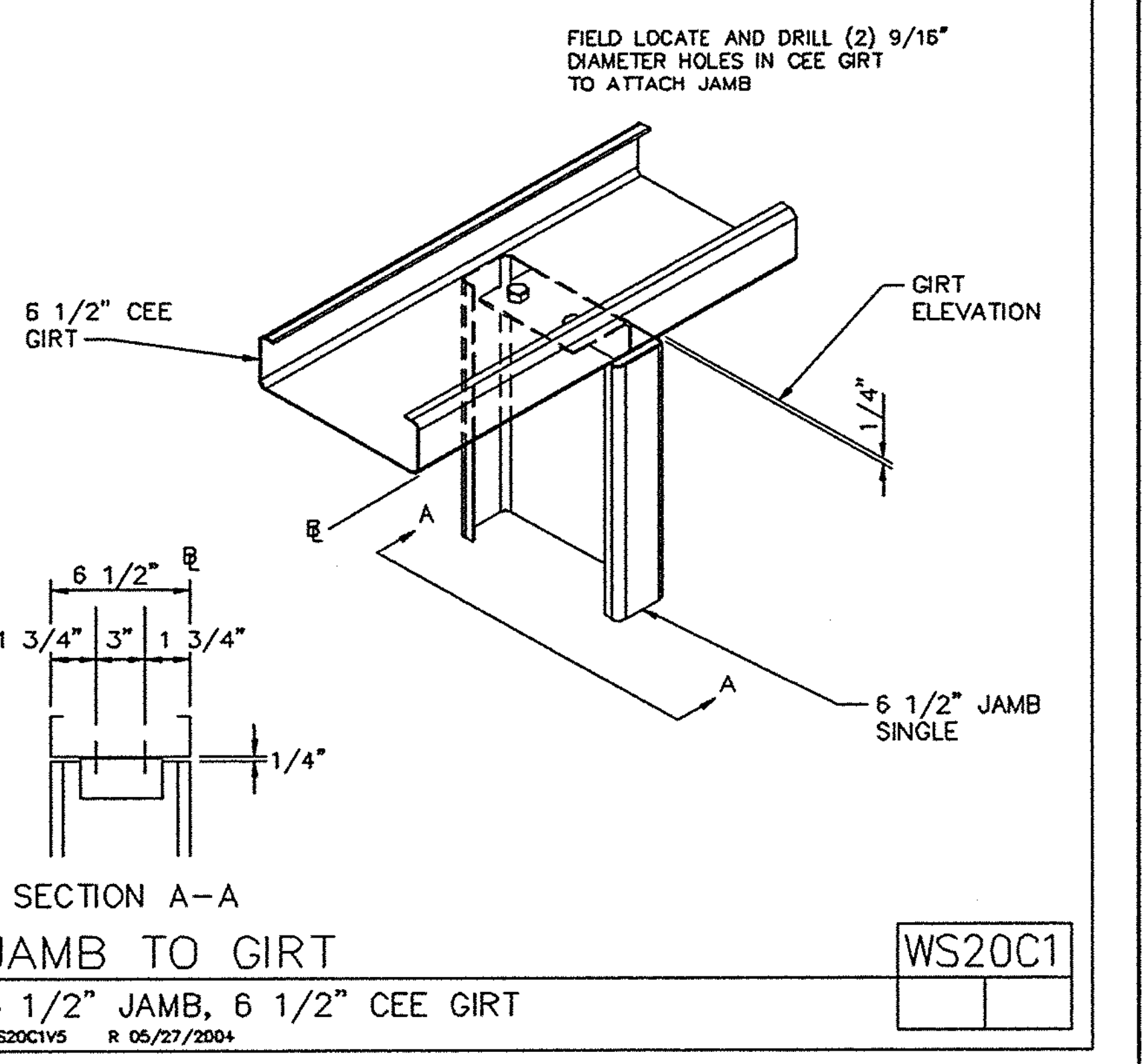
GIRT CONN. AT CORNER COLUMN WS12D5
ANY OUTSET GIRT AT EW, OPEN SW
WS12D5V7 R 05/26/2004



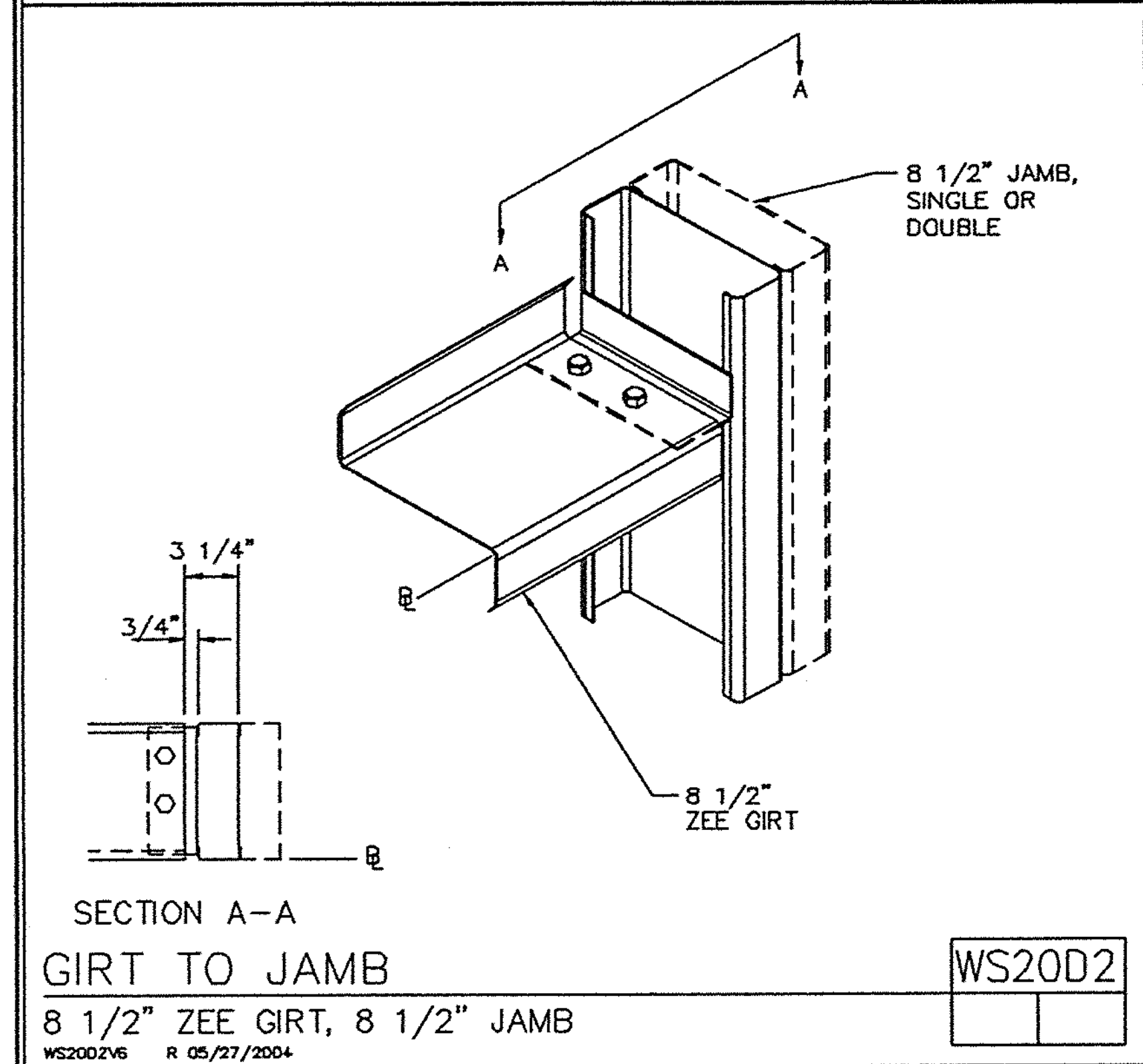
JAMB TO GIRT WS20A2
8 1/2" JAMB, ANY ZEE GIRT
WS20A2V6 R 05/27/2004



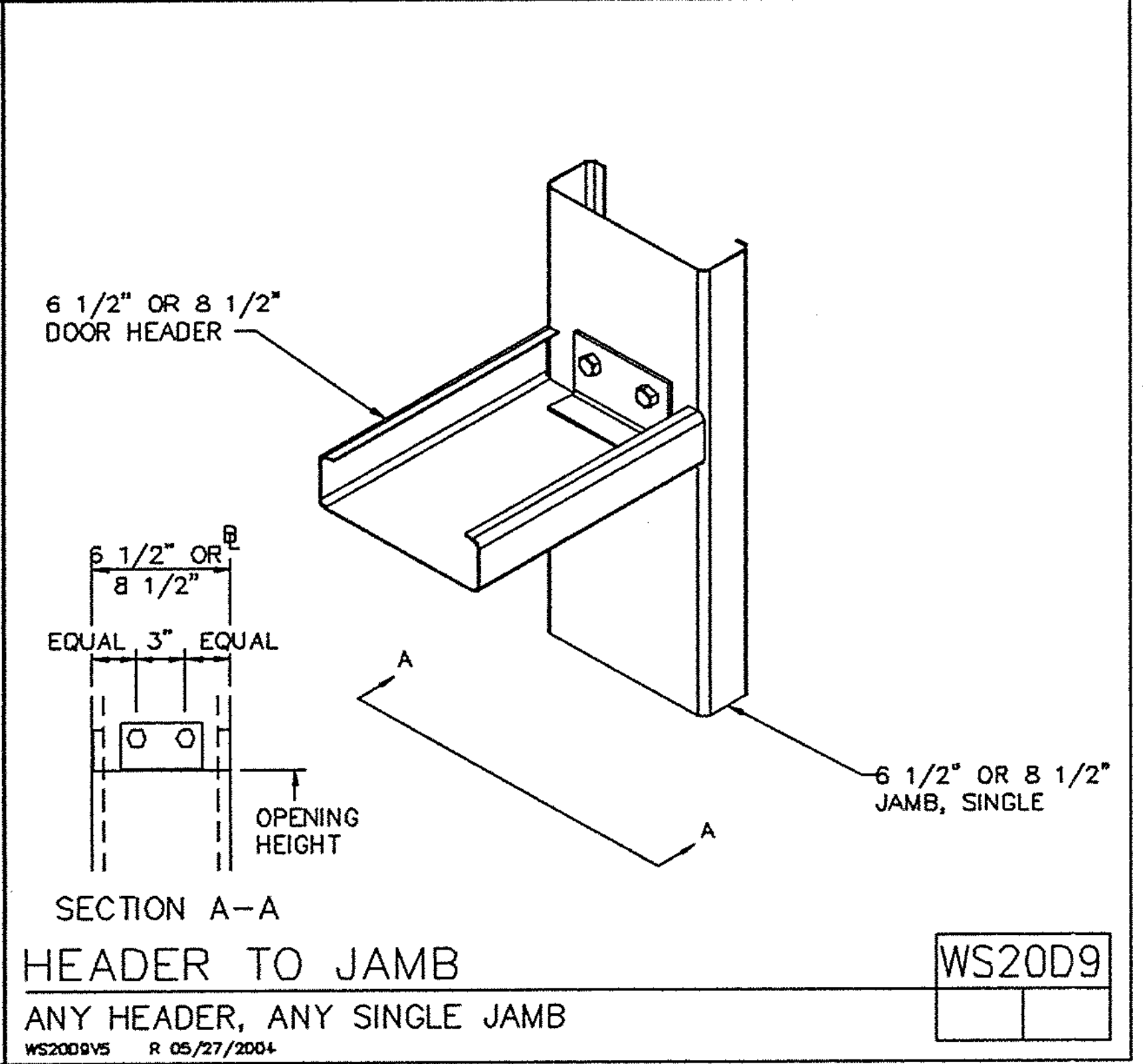
JAMB BASE ATTACHMENT WS20A8
6 1/2" OR 8 1/2" JAMB
WS20A8V5 R 05/05/2003



JAMB TO GIRT WS20C1
6 1/2" JAMB, 6 1/2" CEE GIRT
WS20C1V5 R 05/27/2004



GIRT TO JAMB WS20D2
8 1/2" ZEE GIRT, 8 1/2" JAMB
WS20D2V6 R 05/27/2004



HEADER TO JAMB WS20D9
ANY HEADER, ANY SINGLE JAMB
WS20D9V5 R 05/27/2004

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VP Buildings, Inc. 3200 Players Club Circle Memphis TN 38125			
REV	DATE	BY	DESCRIPTION
NTS			
9/3/2004		9:49:41	

CUSTOM SED'S	
BUILDER	PATCO CONSTRUCTION
CUSTOMER	Motion Industries
LOCATION	Portland, Maine
PROJECT	Motion Industries
BUILDER'S PO#	
FILENAME: Copy of WI0400750-01OE1.vpc	

VP BUILDINGS
VPC VERSION: 5.0b

JOB # WI0400750-01
DATE 9/2/04
DRAWN/CHECK AMZ NC
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