

NOTES AND SPECIFICATIONS

BUILDING ERECTION NOTES

- THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT THE METAL BUILDING SYSTEM IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND MBMA STANDARDS PERTAINING TO PROPER ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE CORRECT USE OF TEMPORARY GUYS AND BRACING WHERE NEEDED FOR SQUARING, PLUMBING, AND SECURING THE STRUCTURAL AND SECONDARY FRAMING. SECONDARY WALL FRAMING MEMBERS (GIRTS OR BAR JOISTS) ARE NOT DESIGNED TO FUNCTION AS A WORK PLATFORM OR PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS. SECONDARY ROOF FRAMING MEMBERS (PURLINS OR BAR JOISTS) ARE NOT DESIGNED TO PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS.
 - ALL HIGH STRENGTH BOLTS ARE TYPE ASTM A325 AND ARE TO BE INSTALLED TO THE "SNUG-TIGHT" CONDITION AS DEFINED BY THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS 2004 EDITION, SECTION 8.1, UNLESS NOTED OTHERWISE. ALSO, NOTE THAT BOLTS IN STANDARD HOLES DO NOT REQUIRE WASHERS PER THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS SECTION 6.
 - ALL A307 MACHINE BOLTS ARE TO BE BROUGHT TO A "SNUG TIGHT" CONDITION TO ENSURE THAT THE MATERIALS IN THE JOINT ARE BROUGHT INTO GOOD CONTACT WITH EACH OTHER.
 - WASHERS ARE REQUIRED AT ALL SLOTTED CONNECTIONS AS FOLLOWS:
=HOLE TO SLOT CONNECTION, ONE WASHER REQUIRED ON SLOTTED SIDE.
=SLOT TO SLOT CONNECTION, TWO WASHERS REQUIRED, ONE ON EACH SIDE OF THE CONNECTION. HOWEVER AT LAPPED ZEE MEMBERS, WHETHER PURLINS OR GIRTS, NO WASHERS ARE REQUIRED IN THE 8-BOLT LAPPED REGION.
 - THE METAL BUILDING SUPPLIER SHALL BE NOTIFIED PRIOR TO ANY FIELD MODIFICATIONS. MODIFICATIONS SHALL BE APPROVED BY THE METAL BUILDING SUPPLIER BEFORE WORK IS UNDERTAKEN.
 - ALL WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.
- 7) COMMON ABBREVIATIONS:**
- | | |
|---|--------------------------------|
| a) TYP UNO-TYPICAL UNLESS NOTED OTHERWISE | f) SIM.-SIMILAR |
| b) SLV-SHORT LEG VERTICAL | g) NIC-NOT IN CONTRACT |
| c) LLV-LONG LEG VERTICAL | h) SL-STEEL LINE |
| d) NS & FS-NEAR SIDE AND FAR SIDE | i) N/A-NOT APPLICABLE |
| e) O.A.L.-OVERALL LENGTH | j) MBS-METAL BUILDING SUPPLIER |
- CONSTRUCTION LOADS SHALL NOT BE PLACED ON ANY STRUCTURAL STEEL FRAMEWORK UNLESS SUCH FRAMEWORK IS SAFELY BOLTED, WELDED, OR OTHERWISE ADEQUATELY SECURED.
 - PURLINS AND GIRTS SHALL NOT BE USED AS AN ANCHORAGE POINT FOR A FALL ARREST SYSTEM UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE METAL BUILDING SUPPLIER.
 - PURLINS MAY ONLY BE USED AS A WALKING/WORKING SURFACE WHEN INSTALLING SAFETY SYSTEMS AFTER ALL PERMANENT BRIDGING HAS BEEN INSTALLED AND FALL PROTECTION IS PROVIDED.
 - CONSTRUCTION LOADS MAY BE PLACED ONLY WITHIN A ZONE THAT IS WITHIN 8 FEET OF THE CENTER-LINE OF THE PRIMARY SUPPORT MEMBER. CFR BUNDLES SHOULD BE PLACED DIRECTLY OVER THE RIGID FRAMES.
 - ALL LIFTING DEVICES MUST MEET OSHA OR MSHA STANDARDS AND IN NO CASE IS IT ACCEPTABLE TO USE STRUCTURAL MEMBERS SUPPLIED BY THE MBS AS A SPREADER BAR OR LIFTING DEVICE.
- GENERAL DESIGN NOTES AND MATERIAL SPECIFICATIONS**
- ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN", NINTH EDITION, OR THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", THIRTEENTH EDITION, AS REQUIRED BY THE SPECIFIED BUILDING CODE.
 - ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1 "STRUCTURAL WELDING CODE", LATEST EDITION.
 - ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.
 - ALL WELDING OF COLD FORMED STEEL IS BASED ON AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL", LATEST EDITION.
 - IF JOISTS ARE INCLUDED WITH THIS PROJECT, THEY ARE SUPPLIED AS A PART OF THE SYSTEMS-ENGINEERED METAL BUILDING AND ARE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1926.758 OF THE OSHA SAFETY STANDARD FOR STEEL ERECTION, DATED JANUARY 18, 2001.
 - MATERIAL SPECIFICATIONS:**
PLATE AND FLANGE MATERIAL:
5"-12" WIDE & THRU 1" THICK _____ A529, GRADE 55
OTHERS _____ A36
BUILT-UP STRUCTURAL WEB MATERIAL _____ A1011 SS (OR HSLAS CL1) GR 55
HOT-ROLLED STRUCTURAL _____ A36 OR A572 GRADE 50 OR A992 GRADE 50
STRUCTURAL TUBE _____ A500 GRADE B (46 KSI)
STRUCTURAL PIPE _____ A500 GRADE B (42 KSI)
COLD-FORMED STRUCTURAL _____ A1011 OR A1039 SS (OR HSLAS CL1) GR 55
RPB ROOF PANELS _____ A792 GRADE 80
STANDING SEAM ROOF PANELS _____ A792 GRADE 50, CLASS 1
R-PANEL AND A-PANEL SIDING _____ A653 GRADE 80, CLASS 1 OR A792 GRADE 80, CLASS 1
ROD BRACING _____ A529 GRADE 50
CABLE BRACING _____ A475 COATING CLASS A, GRADE EHS, 7-WIRE
WELDS _____ AWS D1.1 LATEST EDITION
HIGH-STRENGTH BOLTS _____ A325 TYPE 1 HEAVY HEX OR A490 TYPE 1 HEAVY HEX
MACHINE BOLTS _____ A-307 GRADE A HEX

PROJECT NUMBER: U1208093A
 PROJECT NAME: Quinalt Nation
 PROJECT LOCATION: Point Grandville, WA
 CUSTOMER: Quinalt Nation

FOR BUILDING ERECTION
 THIS IS NOT AN APPROVAL SET. YOUR BUILDING IS BEING FABRICATED NO CHANGES CAN BE MADE
 JUN 14 2012

BUILDING LOADS

DESIGN CODE: IBC 09
 ROOF LIVE LOAD: 20.00 PSF MBMA OCC. CLASS: II
 LIVE LOAD REDUCIBLE No
 GROUND SNOW LOAD: 15.0 PSF SNOW EXP. FACTOR, Ce: 1.00
 SNOW IMPORTANCE FACTOR, Is: 1.00
 WIND: 120 mph WIND IMPORTANCE FACTOR, Iw: 1.00
 EXPOSURE: C
 UL 90 No
 Classic Roof-Const. No. 161; Classic Roof w/ Translucent Panel-Const. No. 167
 CFR Roof-Const. No. 552; CFR Roof w/ Translucent Panel-Const. No. 590;
 Composite CFR Roof-Const. No. 552A; VR16 II Roof-Const. No. 332.
 SEISMIC INFORMATION Ss:1.500 S1:0.690
 Design Sds/Sd1: 1.000 / 0.690 Site Class: D
 Seismic Imp. Factor: 1.00 Seismic Design Category: D
 Analysis Procedure: Equivalent Lateral Force Method
 Basic SFRS: Ordinary Steel Moment Frames and Concentrically-Braced Frames

NOTES:
 1) COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC., ARE SUSPENDED FROM ROOF MEMBERS, CONSULT THE M.B.S. IF THESE CONCENTRATED LOADS EXCEED 200 POUNDS, OR IF INDIVIDUAL MEMBERS ARE LOADED SIGNIFICANTLY MORE THAN OTHERS.
 2) THE DESIGN OF STRUCTURAL MEMBERS SUPPORTING GRAVITY LOADS IS CONTROLLED BY THE MORE CRITICAL EFFECT OF ROOF LIVE LOAD OR ROOF SNOW LOAD, AS DETERMINED BY THE APPLICABLE CODE.

BUILDING	
ROOF DEAD (PSF):	3.25
PRI. COL. (PSF):	1
SEC. COL. (PSF):	1
SNOW Ct:	1.10
SNOW Cs:	1.00
ROOF SNOW (PSF):	11.55
WIND ENCLOSURE:	Closed
GcPc:	0.18
SEISMIC R:	3.25
SEISMIC Cs:	0.308
BASE SHEAR (KIPS):	15.89

ERECTION MANUALS REQUIRED
 (ERECTION MANUALS ARE SHIPPED WITH THE BUILDING IN A WAREHOUSE PACKING CRATE)

<input type="checkbox"/> CFR ROOF	<input type="checkbox"/> H9600 OR <input type="checkbox"/> H8250	<input type="checkbox"/> SINGLE CURB (H9850)
<input checked="" type="checkbox"/> CLASSIC ROOF	<input type="checkbox"/> H9420 OR <input checked="" type="checkbox"/> H8201	<input type="checkbox"/> DOUBLE CURB (H9800)
<input checked="" type="checkbox"/> WALL SHEETING	<input type="checkbox"/> H9430 OR <input checked="" type="checkbox"/> H8300	<input type="checkbox"/> VR16 II (H9925)

DRAWING INDEX

COVERSHEET C1
 ANCHOR BOLT DRAWINGS F1, F2
 COLUMN BASE REACTIONS F2
 STRUCTURAL/SHEETING DRAWINGS E1, E2, E3, E4, E5, E6
 DETAILS D1, D2, D3, D4, D5, D6

PRIMARY AND SECONDARY STEEL PRIMER COLOR: RED
 ROOF SHEETING, TYPE: CR 26 GAGE, FINISH: Sagebrush SP
 ROOF PANEL CLIP TYPE: N/A TALL SHORT UTILITY FIXED FLOATING
 THERMAL BLOCKS: YES NO EPS FOAM SPACER: YES NO
 SEAMING METHOD (FOR CFR ONLY): ROLL LOCK™ VISE LOCK™ VISE LOCK 360™
 COMPOSITE CFR DECK, TYPE: N/A GAGE, FINISH: _____
 ROOF LINE TRIM, PAINTED: Fox Gray SP NOTE: GUTTER HANGERS AND CINCH STRAPS PROVIDED IN GALVANIZED COLOR ONLY.
 EXTERIOR WALL SHEETING, TYPE: CW 26 GAGE, FINISH: Brick Red SP
 EXTERIOR WALL CORNER TRIM FINISH: Fox Gray SP
 EXTERIOR BASE TRIM, PAINTED: Brick Red SP
 FRAMED OPENING TRIM, PAINTED: Fox Gray SP
 WALL FRAMED OPENING, SIZES: FSW (3) 14'-0" x 14'-0"
 BSW none
 LEW none
 REW none
 INTERIOR WALL SHEETING, TYPE: none GAGE, FINISH: _____
 INTERIOR CEILING LINER, TYPE: none GAGE, FINISH: _____
 INTERIOR WALL TRIM, PAINTED: none

YES NO

<input checked="" type="checkbox"/>	<input type="checkbox"/>	DOWNSPOUTS PAINTED: <u>Fox Gray SP</u>	GUTTERS PAINTED: <u>Fox Gray SP</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	WALKDOORS, QUANTITY: <u>(4) 6070</u>	PAINTED: <u>BRONZE</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	WINDOWS: _____	PAINTED: _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	INSULATION (NOT BY MBS), ROOF: <u>4</u> INCH	WALLS: <u>4</u> INCH
<input type="checkbox"/>	<input checked="" type="checkbox"/>	CRANES (SEE CRANE PLAN FOR ADDITIONAL CRANE INFORMATION)	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	MEZZANINE (SEE MEZZANINE PLAN FOR ADDITIONAL MEZZANINE INFO)	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	WALL TRANSLUCENT PANELS: _____	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ROOF TRANSLUCENT PANELS: _____	
		INSULATED PANELS YES <input type="checkbox"/> NO <input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PIPE JACKS, SIZE: _____	QUANTITY: _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ROOF FRAMED OPENINGS, SEE ROOF FRAMING PLAN FOR SIZES	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	RIDGE VENTS, 10'-0" LONG X 9" THROAT.	QUANTITY: _____

THE RIGID FRAME CONNECTIONS IN THIS PROJECT MUST BE TIGHTENED TO THEIR FULLY-PRE-TENSIONED STATE USING ANY OF THE ACCEPTABLE METHODS OUTLINED IN THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, 2004 EDITION. THE SCOPE OF THIS PROJECT PRECLUDES THE USAGE OF SNUG-TIGHT BOLTED CONNECTIONS AND ARE THUS NOT PERMITTED IN THIS CASE.

FOR OCCUPANCY CATEGORY I OR II BUILDINGS, IBC ALLOWS FOR SINGLE STORY BUILDINGS TO HAVE NO LIMIT FOR SEISMIC STORY DRIFT. PLEASE NOTE THAT ANY INTERIOR WALLS, PARTITIONS, CEILINGS, AND EXTERIOR WALLS SHOULD BE DETAILED (BY OTHERS) TO ACCOMMODATE THIS STORY DRIFT.

YES NO

<input type="checkbox"/>	<input checked="" type="checkbox"/>	FASCIA, PROJECTION: _____	TOP OF FASCIA HEIGHT: _____
		FACE PANEL, TYPE: _____	GAGE, FINISH: _____
		BACK PANEL, TYPE: _____	GAGE, FINISH: _____
		CAP TRIM PAINTED: _____	BASE TRIM PAINTED: _____
<input type="checkbox"/>	<input type="checkbox"/>	CLOSED SYSTEM, CLEAR UNDER SOFFIT TRIM: _____	
		SOFFIT PANEL, TYPE: _____	GAGE, FINISH: _____
		SOFFIT TRIM AT BUILDING LINE PAINTED: _____	
<input type="checkbox"/>	<input type="checkbox"/>	OPEN SYSTEM, (NO SOFFIT PANEL PROVIDED)	
		CLEAR UNDER FASCIA: _____	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PARAPET SYSTEM	
<input type="checkbox"/>	<input type="checkbox"/>	STRUCTURAL PARAPET	<input type="checkbox"/> NON-STRUCTURAL PARAPET
		TOP OF PARAPET HEIGHT: _____	
		BACKER PANEL, TYPE: _____	GAGE, FINISH: _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	CANOPY (EXPOSED BEAM), PROJECTION: _____	
		AT EAVE LINE <input type="checkbox"/>	BELOW EAVE <input type="checkbox"/>
		ROOF PANEL, TYPE: _____	GAGE, FINISH: _____
		SOFFIT PANEL, TYPE: _____	GAGE, FINISH: _____
		SOFFIT TRIM AT BUILDING LINE PAINTED: _____	
		CLEAR UNDER CANOPY BEAM: _____	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	EAVE EXTENSION (CONCEALED BEAM), PROJECTION: _____	
		SOFFIT PANEL, TYPE: _____	GAGE, FINISH: _____
		SOFFIT TRIM AT BUILDING LINE PAINTED: _____	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	RAKE EXTENSION, PROJECTION: _____	
		SOFFIT PANEL, TYPE: _____	GAGE, FINISH: _____
		SOFFIT TRIM AT BUILDING LINE PAINTED: _____	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PARTITION WALL SHEETING	
		PANEL TYPE: _____	GAGE, FINISH: _____
		PARTITION WALL TRIM COLOR: _____	

ERECTOR NOTE:

ALTERNATE FASTENERS HAVE BEEN SUBSTITUTED ON THIS BUILDING. WHERE THE DRAWINGS INDICATE AN H1040 STRUCTURAL FASTENER, H1030 FASTENERS WITH WASHERS HAVE BEEN SUPPLIED. WHERE THE DRAWINGS INDICATE AN H1060 TRIM FASTENER, H1050 FASTENERS WITH WASHERS HAVE BEEN SUPPLIED.

DATE	P.E.	ENG	CHK	DWN	ISSUE
6-1-12	RRS	JL	TB	MBS	CONSTRUCTION ANCHOR BOLTS
6-1-12	RRS	JL	TB	MBS	PERMIT DRAWINGS
6-8-12				MBS	FINAL ERECTION DRAWINGS

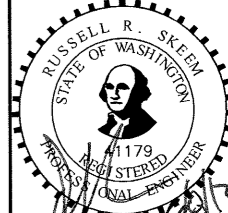
RHINO STEEL BUILDING SYSTEMS

4305 I-35 NORTH DENTON, TX 76207
 PHONE: (940) 383-9566
 (868) 320-7466
 FAX: (940) 484-6746

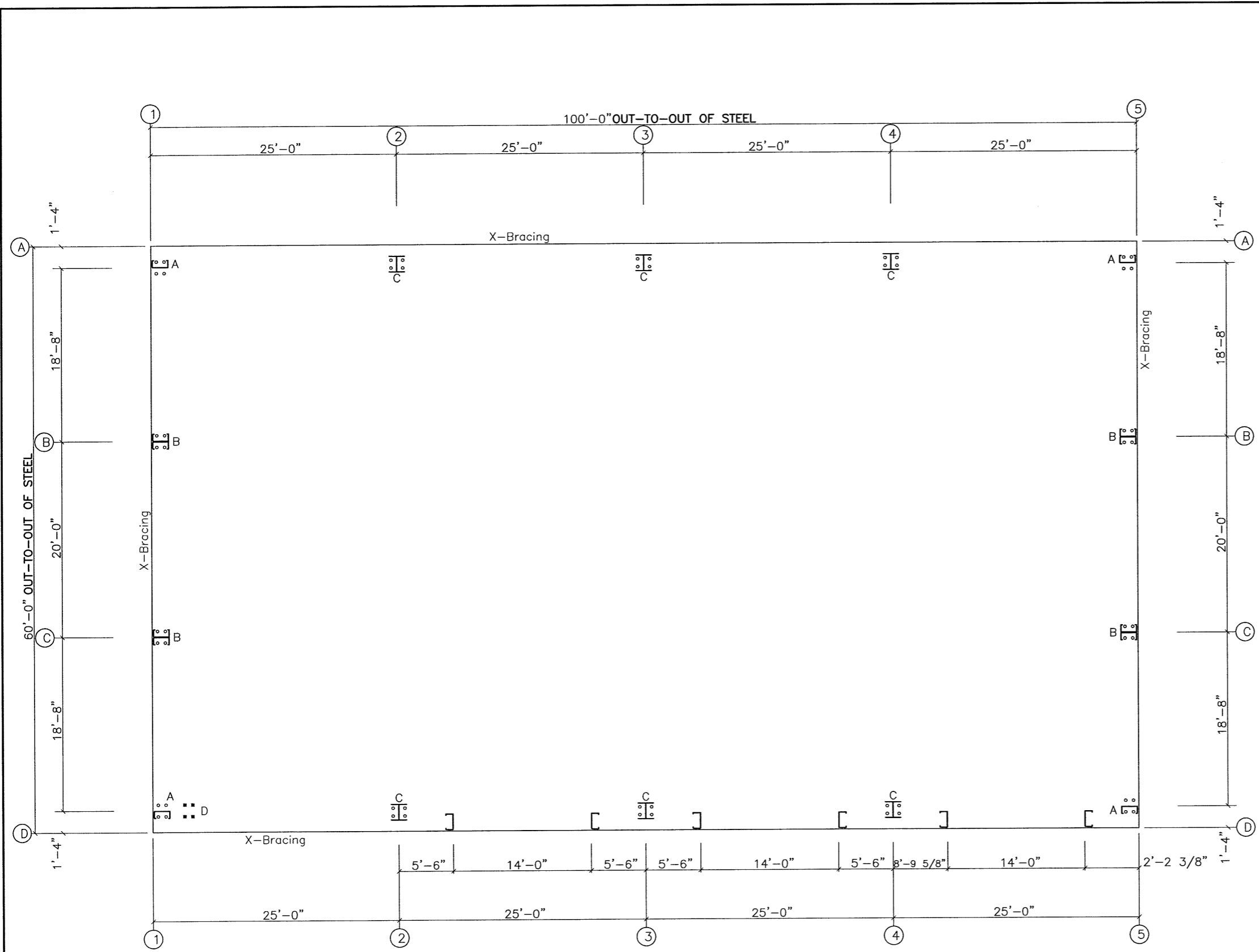
PROJECT NAME:
 QUINALT NATION
 POINT GRANDVILLE, WA
 CUSTOMER:
 QUINALT NATION
 PACIFIC BEACH, WA

JOB NUMBER:
U1208093A

SHEET NO:
C1 of 1



THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF THE METAL BUILDING MANUFACTURER. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY THE METAL BUILDING MANUFACTURER AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (U.N.)

○ Dia= 3/4"
⊗ Dia=1"

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
32	Endwall	3/4"	F1554	3.00
4	Frame	3/4"	F1554	3.00
4	WindBent	1"	F1554	3.00

ANCHOR BOLT PLAN

GENERAL NOTES

1. THE SPECIFIED ANCHOR ROD DIAMETER ASSUMES F1554 GRADE 36 UNLESS NOTED OTHERWISE. ANCHOR ROD MATERIAL OF EQUAL DIAMETER MEETING OR EXCEEDING THE STRENGTH REQUIREMENTS SET FORTH ON THESE DRAWINGS MAY BE UTILIZED AT THE DISCRETION OF THE FOUNDATION DESIGN ENGINEER. ANCHOR ROD EMBEDMENT LENGTH SHALL BE DETERMINED BY THE FOUNDATION DESIGN ENGINEER.
2. METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR PROJECT FOUNDATION DESIGN. THE FOUNDATION DESIGN IS THE RESPONSIBILITY OF A REGISTERED PROFESSIONAL ENGINEER, FAMILIAR WITH LOCAL SITE CONDITIONS.
3. ALL ANCHOR RODS, FLAT WASHERS FOR ANCHOR RODS, EXPANSION BOLTS, AS WELL AS ALL CONCRETE/MASONRY EMBEDMENT PLATES ARE NOT BY METAL BUILDING MANUFACTURER.
4. THIS DRAWING IS NOT TO SCALE.
5. FINISHED FLOOR ELEVATION = 100'-0" UNLESS NOTED OTHERWISE.
6. "SINGLE" CEE COLUMNS SHALL BE ORIENTED WITH THE "TOES" TOWARD THE LOW EAVE UNLESS NOTED OTHERWISE.
7. ANCHOR RODS ARE REQUIRED ONLY IN THE QUANTITIES SPECIFIED. BASEPLATES MAY BE FABRICATED WITH MORE HOLES THAN NEEDED FOR THIS PROJECT.
8. THE ANCHOR BOLT LOCATIONS PROVIDED BY METAL BUILDING MANUFACTURER SATISFY PERTINENT REQUIREMENTS FOR THE DESIGN OF THE MATERIALS SUPPLIED BY THE METAL BUILDING MANUFACTURER. PLEASE NOTE THAT THESE REQUIREMENTS MAY NOT SATISFY ALL ANCHOR BOLT CONCRETE EDGE DISTANCE REQUIREMENTS DEPENDING ON THE DETAILS OF THE FOUNDATION DESIGN. BECAUSE FOUNDATION DESIGN IS NOT WITHIN THE METAL BUILDING MANUFACTURER'S SCOPE OF WORK, IT IS THE RESPONSIBILITY OF THE QUALIFIED PROFESSIONAL DESIGNING THE FOUNDATION TO MAKE CERTAIN THAT SUFFICIENT CONCRETE EDGE DISTANCE IS PROVIDED FOR THE ANCHOR BOLTS IN THE DETAILS OF THE FOUNDATION DESIGN.

DATE	P.E.	ENG	CHK	DWN	ISSUE
6-1-12	RRS	JL	TB	MBS	CONSTRUCTION ANCHOR BOLTS
6-1-12	RRS	JL	TB	MBS	PERMIT DRAWINGS
6-8-12	RRS	JL	TB	MBS	FINAL ERECTION DRAWINGS

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DENTON, TX 76207

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PROJECT NAME: **QUINALT NATION**

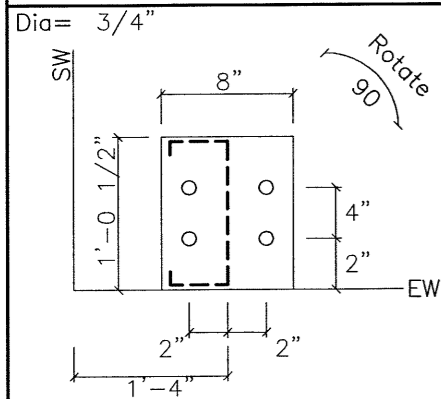
CUSTOMER: **QUINALT NATION**
PACIFIC BEACH, WA

POINT GRANDVILLE, WA

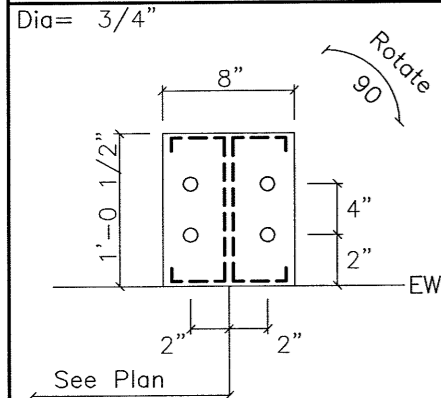
JOB NUMBER: **U1208093A**

SHEET NO: **F1 of 2**

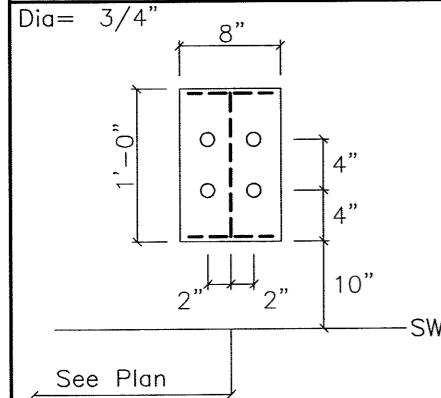
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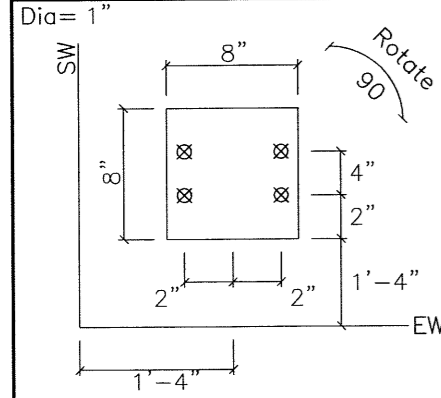
DETAIL A



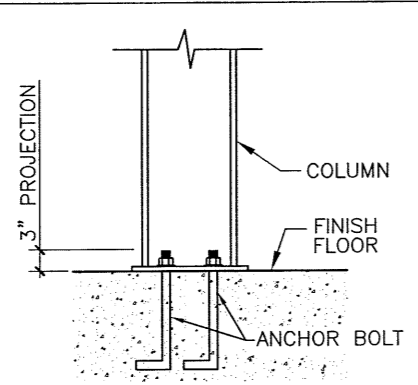
DETAIL B



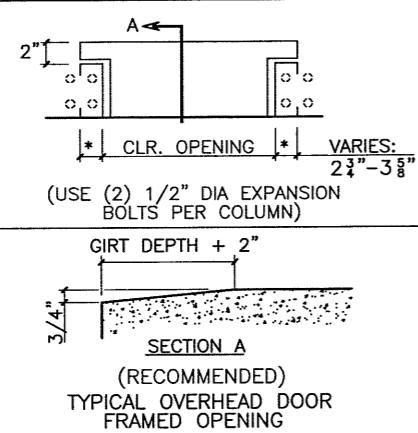
DETAIL C



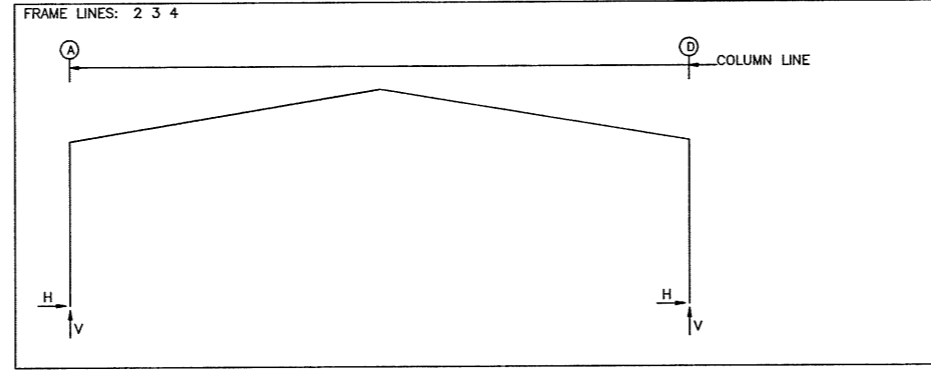
DETAIL D



TYPICAL COLUMN BASE PLATE DETAIL



SECTION A (RECOMMENDED) TYPICAL OVERHEAD DOOR FRAMED OPENING



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Elev. (in)
2*	A	4	0.750	8.000	12.00	0.500	0.0
2*	D	4	0.750	8.000	12.00	0.500	0.0

2* Frame lines: 2 3 4

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Elev. (in)
1	A	4	0.750	8.000	12.50	0.380	0.0
1	B	4	0.750	8.000	12.50	0.380	0.0
1	C	4	0.750	8.000	12.50	0.380	0.0
1	D	4	0.750	8.000	12.50	0.380	0.0
5	D	4	0.750	8.000	12.50	0.380	0.0
5	C	4	0.750	8.000	12.50	0.380	0.0
5	B	4	0.750	8.000	12.50	0.380	0.0
5	A	4	0.750	8.000	12.50	0.380	0.0

GENERAL NOTES

- ALL LOADING CONDITIONS ARE EXAMINED AND ONLY MAXIMUM/MINIMUM H OR V AND THE CORRESPONDING H OR V ARE REPORTED.
- REACTIONS ARE PROVIDED BY LOAD CASE IN ORDER TO AID THE FOUNDATION ENGINEER IN DETERMINING THE APPROPRIATE LOAD FACTORS AND COMBINATION TO BE USED WITH EITHER WORKING STRESS OR ULTIMATE STRENGTH DESIGN METHODS. WIND LOAD CASES ARE GIVEN FOR EACH PRIMARY WIND DIRECTION.
- FOR ASCE7-10 BASED BUILDING CODES THE UNFACTORED LOAD CASE REACTIONS DUE TO WIND ARE GENERATED USING ULTIMATE DESIGN WIND SPEEDS (Vult).
- POSITIVE REACTIONS ARE AS SHOWN IN THE SKETCH. FOUNDATION LOADS ARE IN OPPOSITE DIRECTIONS.
- BRACING REACTIONS ARE IN THE PLANE OF THE BRACE WITH THE H POINTING AWAY FROM THE BRACED BAY. THE VERTICAL REACTION IS DOWNWARD.

***** RIGID FRAME LOAD CASE ABBREVIATIONS: *****
 Wind_L1/Wind_R1: LATERAL WIND FROM THE LEFT/RIGHT, CASE 1
 Wind_L2/Wind_R2: LATERAL WIND FROM THE LEFT/RIGHT, CASE 2
 Wind_Ln1/Wind_Ln2: LONGITUDINAL WIND, CASE 1/2
 Seismic_L/Seismic_R: LATERAL SEISMIC LOAD FROM LEFT/RIGHT
 LWIND#_L/E/LWIND#_R/E: LONGITUDINAL WIND EDGE ZONES
 F#UNB_SL_L/F#UNB_SL_R: UNBALANCED ROOF SNOW WITH WIND FROM LEFT/RIGHT
 F#PAT_LL #/F#PAT_SL #: PARTIAL LIVE/SNOW LOADING FOR CONTINUOUS BEAM SYSTEMS

***** ENDWALL COLUMN LOAD CASE ABBREVIATIONS: *****
 Collat: COLLATERAL LOAD
 Rafter Wind_L/Rafter Wind_R: LATERAL WIND FROM THE LEFT/RIGHT
 Brace Wind_L/Brace Wind_R: LATERAL WIND FROM THE LEFT/RIGHT
 Wind_P/Wind_S: LONGITUDINAL WIND PRESSURE/SUCTION ON COLUMNS
 Wind_Ln: LONGITUDINAL WIND SUCTION ON ROOF
 Seis_L/Seis_R: LATERAL SEISMIC LOAD FROM LEFT/RIGHT
 E#UNB_SL_L/E#UNB_SL_R: UNBALANCED ROOF SNOW WITH WIND FROM LEFT/RIGHT
 E#PAT_LL #/E#PAT_SL #: PARTIAL LIVE/SNOW LOADING FOR CONTINUOUS BEAM SYSTEMS

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_L1 Horiz	Wind_L1 Vert	Wind_R1 Horiz	Wind_R1 Vert
2*	A	1.9	3.5	0.5	0.8	9.6	15.7	5.6	9.1	-12.3	-17.8	-4.6	-12.8
2*	D	-1.9	3.5	-0.5	0.8	-9.6	15.7	-5.6	9.1	4.6	-12.8	12.3	-17.8

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Horiz	Collat Horiz	Live Horiz	Snow Horiz	Rafter Wind_L Horiz	Rafter Wind_R Horiz	Brace Wind_L Horiz	Brace Wind_R Horiz	Wind_P Horiz	Wind_S Horiz	LnWind1 Vert	LnWind2 Vert
1	A	0.5	0.1	2.0	1.2	-3.4	-2.1	-3.4	-2.1	-1.9	2.4	-2.6	-1.5
1	B	1.4	0.3	5.9	3.4	-8.7	-5.7	-8.7	-5.7	-4.4	4.8	-6.8	-4.0
1	C	1.4	0.3	5.9	3.4	-8.7	-5.7	-8.7	-5.7	-4.4	4.8	-6.8	-4.0
1	D	0.5	0.1	2.0	1.2	-2.1	-3.4	-2.1	-3.4	-1.9	2.4	-2.6	-1.5

Frm Line	Col Line	Seis_L Horiz	Seis_R Horiz	E1UNB_SL_L Horiz	E1UNB_SL_R Horiz	E1PAT_LL_3 Horiz	E1PAT_LL_4 Horiz	E1PAT_LL_5 Horiz
1	A	0.2	0.1	0.0	1.0	0.0	0.7	0.0
1	B	-0.2	0.0	0.0	4.4	0.0	0.9	0.0
1	C	0.0	-0.2	0.0	4.4	0.0	-0.2	0.0
1	D	0.1	0.2	0.0	0.1	0.0	0.7	0.0

Frm Line	Col Line	Dead Horiz	Collat Horiz	Live Horiz	Snow Horiz	Rafter Wind_L Horiz	Rafter Wind_R Horiz	Brace Wind_L Horiz	Brace Wind_R Horiz	Wind_P Horiz	Wind_S Horiz	LnWind1 Vert	LnWind2 Vert
5	D	0.5	0.1	2.0	1.2	-3.5	-2.1	-3.5	-2.1	-1.9	2.4	-2.6	-1.5
5	B	1.4	0.3	5.9	3.4	-8.7	-5.7	-8.7	-5.7	-4.4	4.8	-6.8	-4.0
5	C	1.4	0.3	5.9	3.4	-8.7	-5.7	-8.7	-5.7	-4.4	4.8	-6.8	-4.0
5	A	0.5	0.1	2.0	1.2	-2.1	-3.3	-2.1	-3.3	-1.9	2.4	-2.6	-1.5

BUILDING BRACING REACTIONS

Wall Loc	Col Line	± Reactions (k)	Panel Shear (lb/ft)			
		Wind Horiz	Seismic Horiz			
L_EW	1	B,C	3.0	2.5	2.5	2.1
F_SW	D	1,2	6.4	3.6	8.3	4.7
R_EW	5	B,A	3.0	2.6	2.5	2.2
B_SW	A	3,2	6.4	3.6	8.3	4.7

FOUNDATION DESIGN NOTE:
 THE ORIENTATION OF THE ANCHOR BOLT DETAILS SHOWN ON THIS PAGE MAY NOT COINCIDE WITH THE ACTUAL COLUMN ORIENTATION SHOWN ON PAGE F1. PLEASE REFERENCE THE SIDEWALL (SW) AND ENDWALL (EW) STEEL LINES SHOWN ON THE ANCHOR BOLT DETAILS WITH THE ANCHOR BOLT PLAN ON PAGE F1 DURING LAYOUT OF COLUMN AND ANCHOR BOLT LOCATIONS.

DATE: 6-1-12
 P.E.: RRS
 CHK: TB
 DWN: MBS
 CONSTRUCTION ANCHOR BOLTS: MBS
 PERMIT DRAWINGS: MBS
 FINAL ERECTION DRAWINGS: MBS

PROJECT NAME: QUINALT NATION
 JOB NUMBER: U1208093A
 SHEET NO: F2 of 2

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY THE METAL BUILDING MANUFACTURER AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

RHINO STEEL BUILDING SYSTEMS
 4305 I-35 NORTH DENTON, TX 76207
 PHONE: (940) 383-9566
 (940) 320-7466
 FAX: (940) 484-6746

CUSTOMER: QUINALT NATION
 PACIFIC BEACH, WA

TRIM TABLE			
ROOF PLAN			
ID	PART	LENGTH	DETAIL
1	RGA15	36.000	TRIM_3

MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
P-1	08Z099	322.250
P-2	08Z067	338.250
P-3	08Z067	338.250
P-4	08Z099	322.250
E-1	08E2060	299.500
E-2	BX801	299.500
E-3	BX802	299.500
E-4	08E2060	299.500
E-5	08E2060	299.500
ST-1	W08SB099	295.281
ST-2	P8x188	299.312
ST-3	W08SB075	299.312
CB-6	RDB04	376.000
CB-7	RDB05	325.000

CONNECTION PLATES	
ROOF PLAN	
ID	MARK/PART
1	PCC02

DATE	P.L.E.	ENG	CHK	DWN
6-1-12	RMS	TB	JL	MBS
6-1-12	RMS	TB	JL	MBS
6-8-12		TW	TW	MBS

RHINO STEEL BUILDING SYSTEMS

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DENTON, TX 76207

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FAX: (940) 464-6746

PROJECT NAME: QUINALT NATION

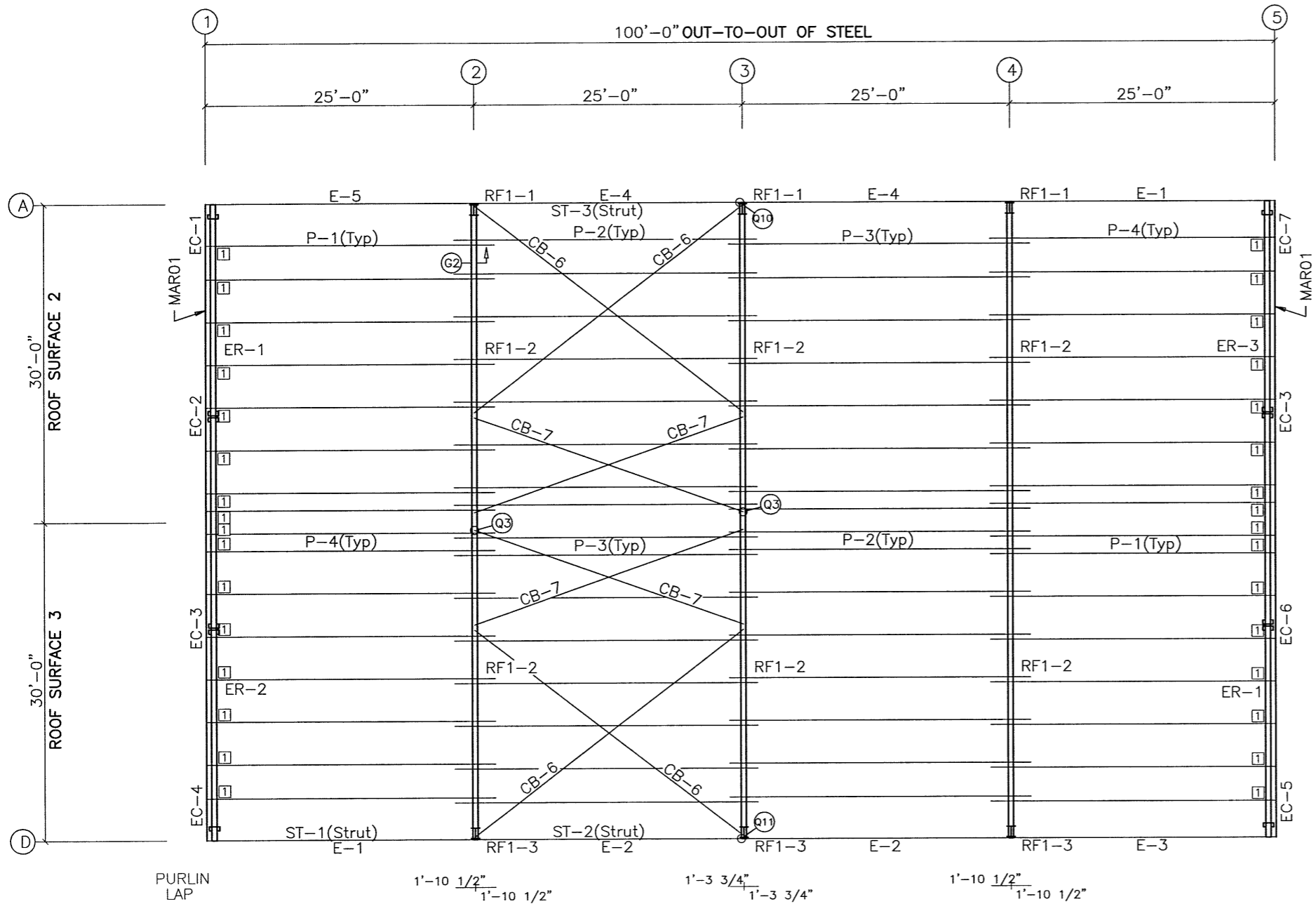
CUSTOMER: QUINALT NATION

POINT GRANDVILLE, WA
PACIFIC BEACH, WA

JOB NUMBER: U1208093A

SHEET NO: E1 of 6

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY THE METAL BUILDING MANUFACTURER AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



30'-5" (34)

30'-5" (34)

30'-5" (34)

ROOF SHEETING
PANELS: 26 Ga. CR - Sagebrush SP

ROOF FRAMING PLAN

GENERAL NOTES

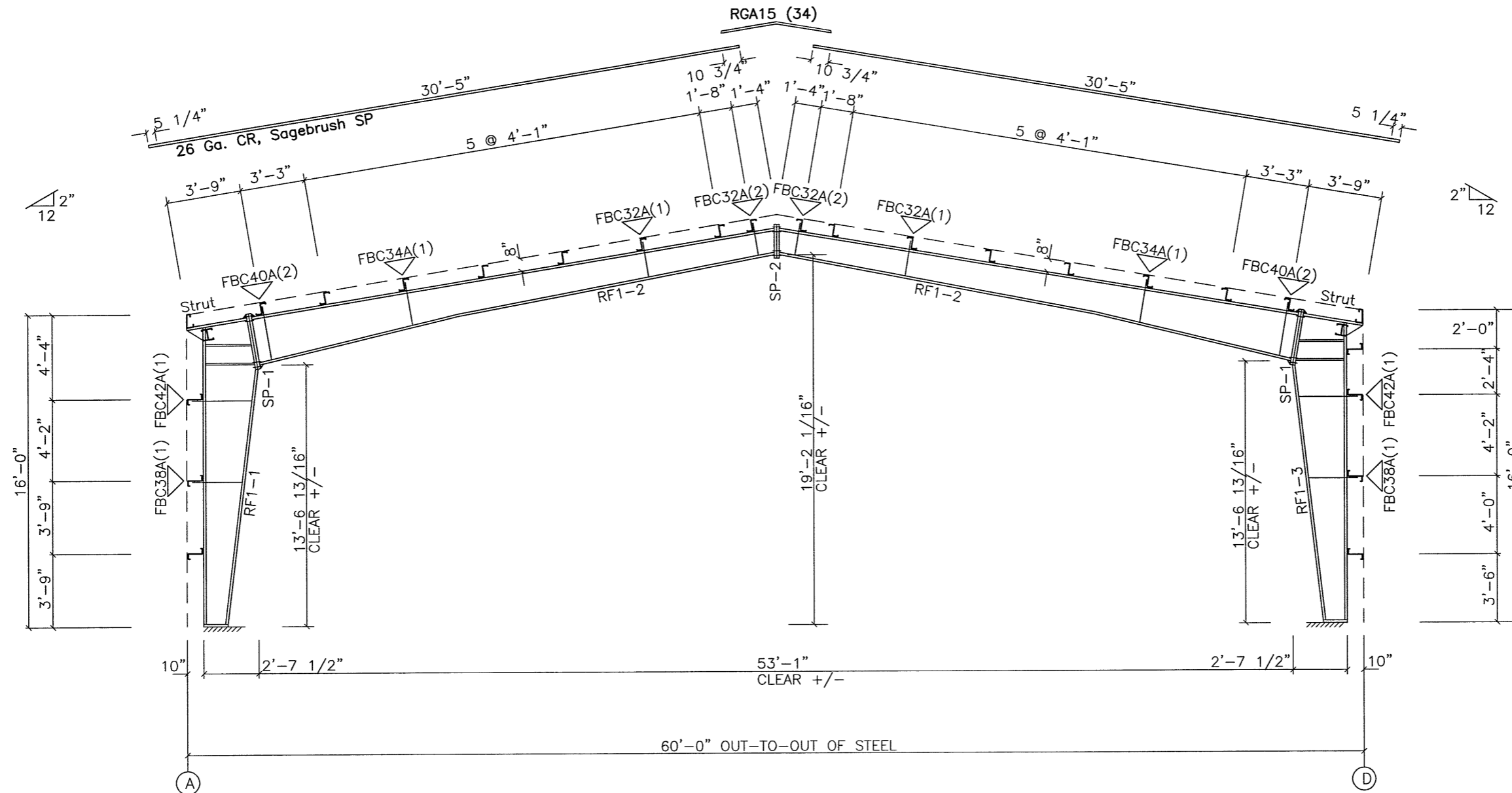
- PLACE TAGGED END OF RAFTERS TOWARDS THE LOW EAVE.
- STD. ROD/CABLE SIZES PER PART PREFIX ARE:

ROD	CABLE
RDB- = 5/8" ROD	CAA- = 1/4" CABLE
RDC- = 3/4" ROD	CAB- = 3/8" CABLE
RDD- = 7/8" ROD	CAC- = 1/2" CABLE
RDE- = 1" ROD	
RDF- = 1 1/8" ROD	
RDG- = 1 1/4" ROD	
- PURLIN AND EAVE STRUT CONNECTIONS UTILIZE BOTH A307 AND A325 BOLTS. REFER TO THE DETAILS FOR SPECIFIC USAGE REQUIREMENTS.
- THIS DRAWING IS NOT TO SCALE.

ROOF FRAMING PLAN

SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	0.750	3.00	6"	1/2"	2'-9 5/8"
SP-2	4	4	0	A325	0.625	2.25	6"	3/8"	1'-7 1/8"

MEMBER TABLE								
Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start	End	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF1-1	11.5	31.0	0.164	189.1	5 x 1/4" x 184.7	5 x 1/4" x 160.3		
RF1-2	27.0	18.0	0.188	125.6	5 x 3/8" x 36.5	5 x 1/4" x 125.9		
RF1-3	18.0	13.0	0.150	201.2	5 x 3/8" x 36.5	5 x 3/16" x 199.0		
	31.0	11.5	0.164	189.1	5 x 1/4" x 184.7	5 x 1/4" x 160.3		



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

GENERAL NOTES

- ▽ INDICATES FLANGE BRACING LOCATIONS. (1) = ONE SIDE; (2) = TWO SIDES.
- IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE RIGID FRAME, THE OPPOSITE SIDE FLANGE BRACES WILL HAVE TO BE INSTALLED AT THE TIME OF FUTURE EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.
- RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.

DATE	P.E.	CHK	ENG	ISSUE
6-1-12	RRS	JL	TB	CONSTRUCTION ANCHOR BOLTS
6-1-12	RRS	JL	TB	PERMIT DRAWINGS
6-8-12	RRS	JL	TB	FINAL ERECTION DRAWINGS

RHINO STEEL BUILDING SYSTEMS

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DENTON, TX 76207

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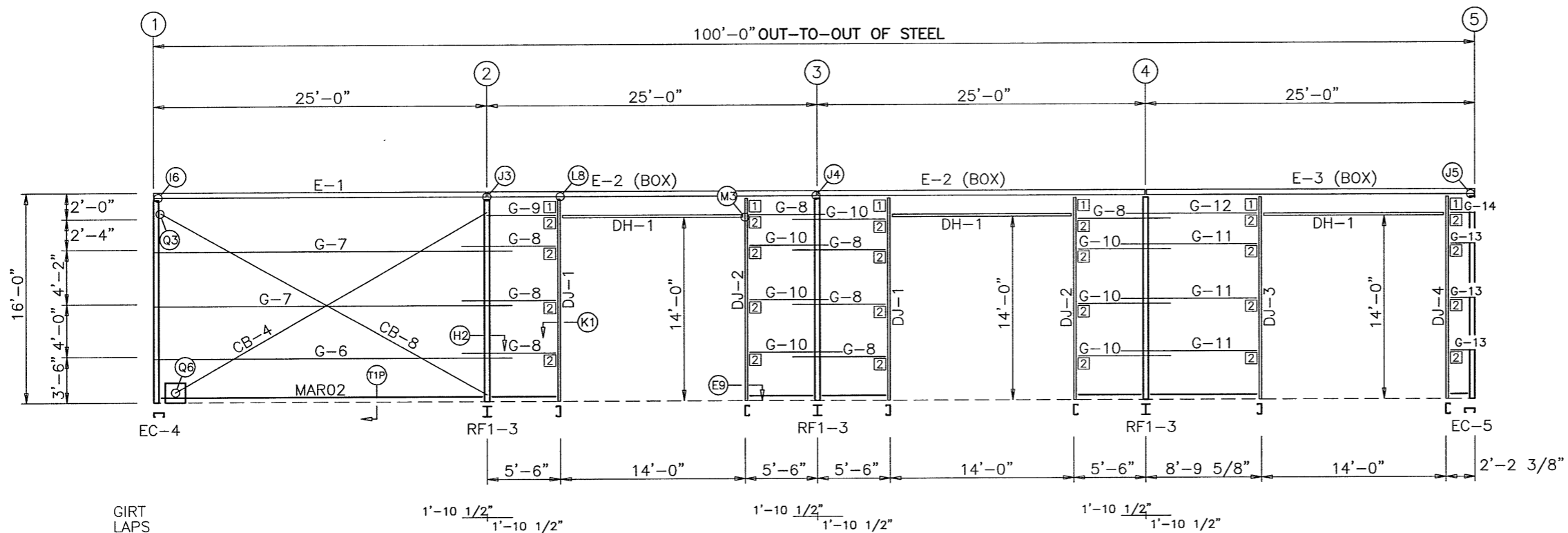
PROJECT NAME: QUINALT NATION

JOB NUMBER: U1208093A

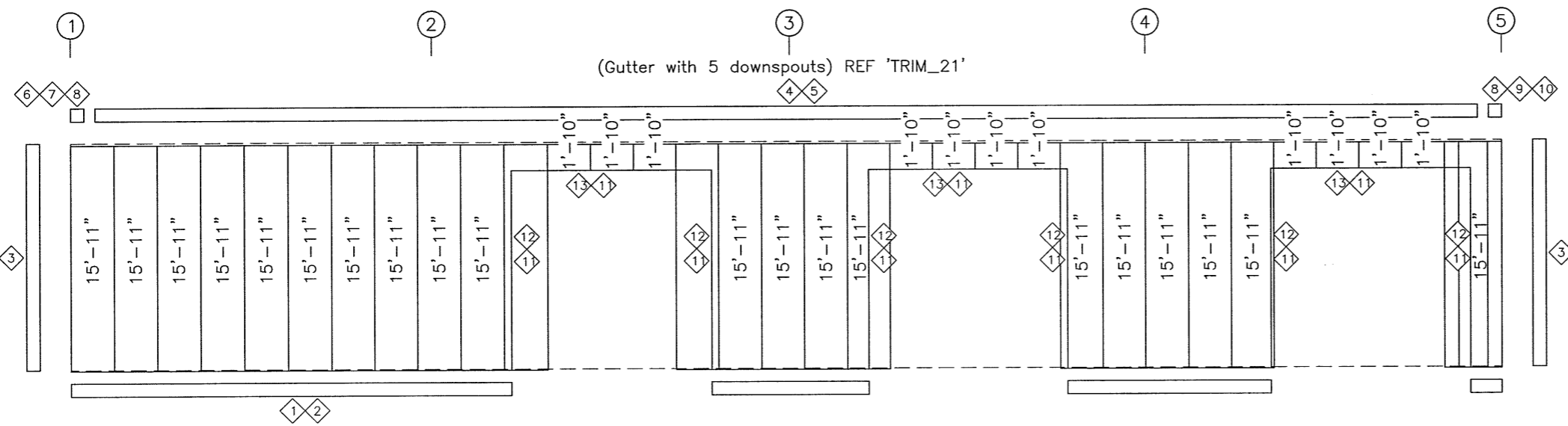
SHEET NO: E2 of 6

CUSTOMER: QUINALT NATION
PACIFIC BEACH, WA

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SIDEWALL FRAMING: FRAME LINE D



SIDEWALL SHEETING & TRIM: FRAME LINE D

PANELS: 26 Ga. CW - Brick Red SP

TRIM TABLE			
FRAME LINE D			
ID	PART	LENGTH	DETAIL
1	BSB01	122.000	T1P
2	BSB01	Use Drop	T1P
3	OCA01	242.000	TRIM_79
4	GTA01	121.000	TRIM_1
5	GTA02	242.000	TRIM_1
6	H4000	5.000	
7	RCA01	9.250	
8	GRA01	8.000	
9	H4000	5.000	
10	RCA02	9.250	
11	CCB03	169.000	TRIM_19
12	JTA05	169.000	TRIM_11
13	HTA06	170.000	TRIM_14

MEMBER TABLE		
FRAME LINE D		
MARK	PART	LENGTH
DJ-1	J10C060	182.375
DJ-2	J10C060	182.375
DJ-3	J10C075	182.375
DJ-4	J10C075	182.375
DH-1	J10C060	168.000
E-1	08E2060	299.500
E-2	BX801	299.500
E-3	BX802	299.500
G-6	10Z067	322.250
G-7	10Z075	322.250
G-8	10Z060	85.250
G-9	10Z060	65.000
G-10	10Z060	85.250
G-11	10Z060	124.840
G-12	10Z060	124.840
G-13	10Z060	22.875
G-14	10Z060	22.875
CB-4	RDC01	307.000
CB-8	RDC08	352.000

CONNECTION PLATES	
FRAME LINE D	
ID	MARK/PART
1	JCEO6
2	JCA&P01

SIDEWALL FRAMING PLAN

- GENERAL NOTES
- STD. ROD/CABLE SIZES PER PART PREFIX ARE:

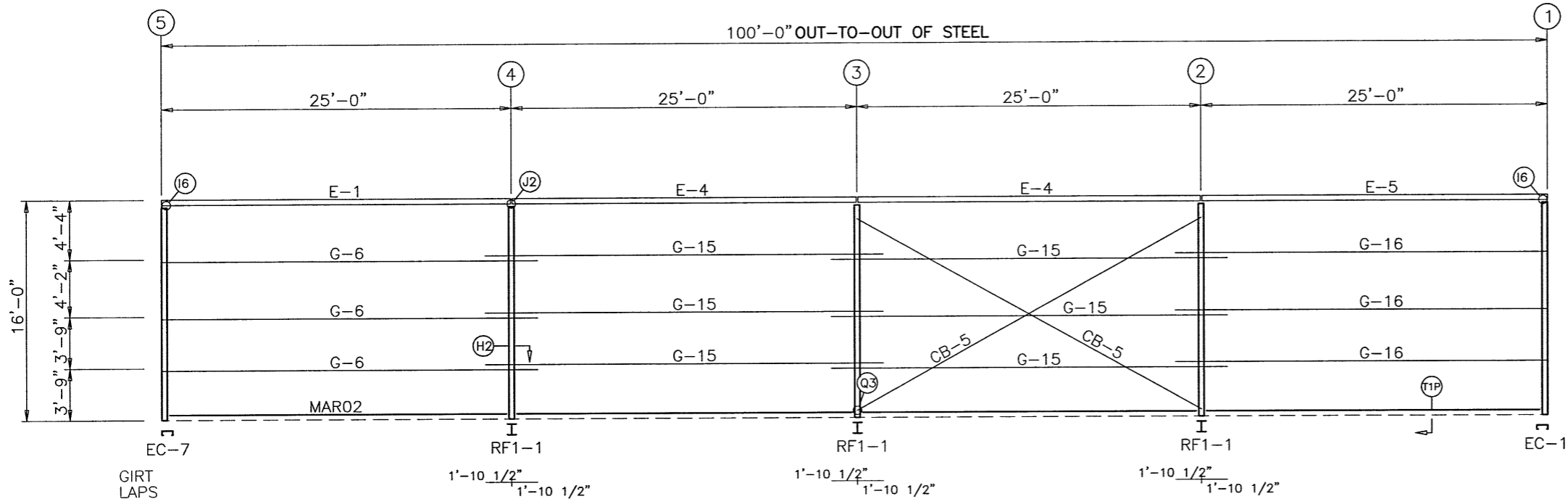
ROD	CABLE
RDB- = 5/8" ROD	CAA- = 1/4" CABLE
RDC- = 3/4" ROD	CAB- = 3/8" CABLE
RDD- = 7/8" ROD	CAC- = 1/2" CABLE
RDE- = 1" ROD	
RDF- = 1 1/8" ROD	
RDG- = 1 1/4" ROD	
 - ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
 - FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
 - THIS DRAWING IS NOT TO SCALE.

DATE	6-1-12
P.L.E.	RRS
CONSTRUCTION ANCHOR BOLTS	RRS
PERMIT DRAWINGS	RRS
FINAL ERECTION DRAWINGS	RRS

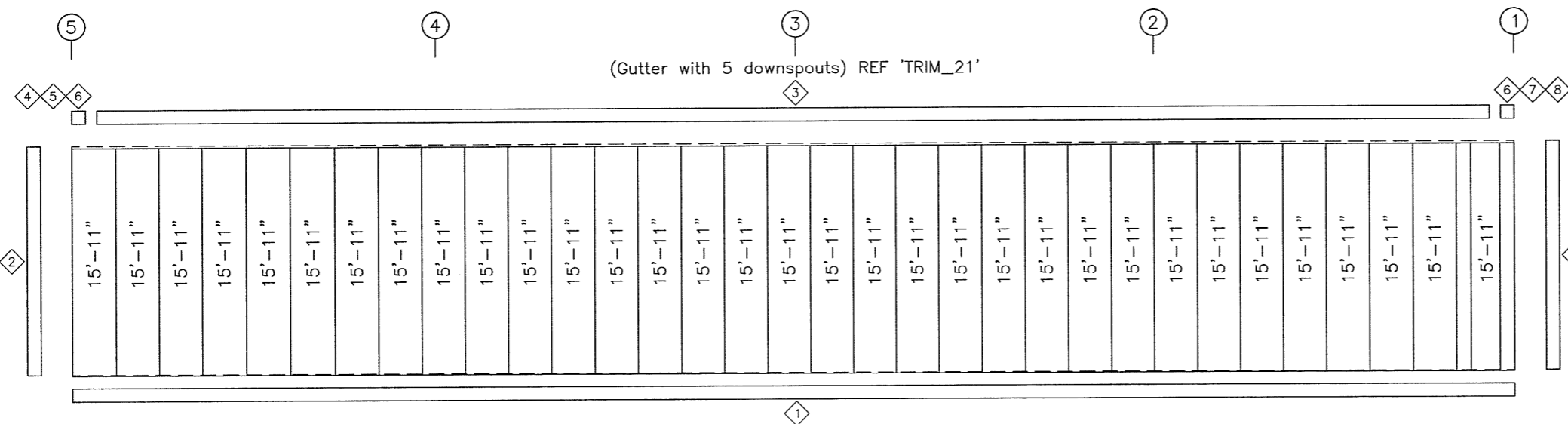
PROJECT NAME: QUINALT NATION
 CUSTOMER: QUINALT NATION
 POINT GRANDVILLE, WA
 PACIFIC BEACH, WA

JOB NUMBER: U1208093A
 SHEET NO: E3 of 6

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SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A
PANELS: 26 Ga. CW - Brick Red SP

TRIM TABLE FRAME LINE A			
ID	PART	LENGTH	DETAIL
1	BSB01	122.000	T1P
2	OCA01	242.000	TRIM_79
3	GTA02	242.000	TRIM_1
4	H4000	5.000	
5	RCA01	9.250	
6	GRA01	8.000	
7	H4000	5.000	
8	RCA02	9.250	

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
E-1	08E2060	299.500
E-4	08E2060	299.500
E-5	08E2060	299.500
G-6	10Z067	322.250
G-15	10Z060	345.000
G-16	10Z067	322.250
CB-5	RDC02	350.000

DATE	P.E.	ENG	CHK	DWN	ISSUE
6-1-12	RRS	TB	JL	MBS	CONSTRUCTION ANCHOR BOLTS
6-1-12	RRS	TB	JL	MBS	PERMIT DRAWINGS
6-8-12			TGW	MBS	FINAL ERECTION DRAWINGS

RHINO STEEL BUILDING SYSTEMS
 4305 I-35 NORTH
 DENTON, TX 76207
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 (940) 320-7466
 FAX: (940) 484-6746

PROJECT NAME:
 QUINALT NATION
 POINT GRANDVILLE, WA
CUSTOMER:
 QUINALT NATION
 PACIFIC BEACH, WA

SIDEWALL FRAMING PLAN

GENERAL NOTES

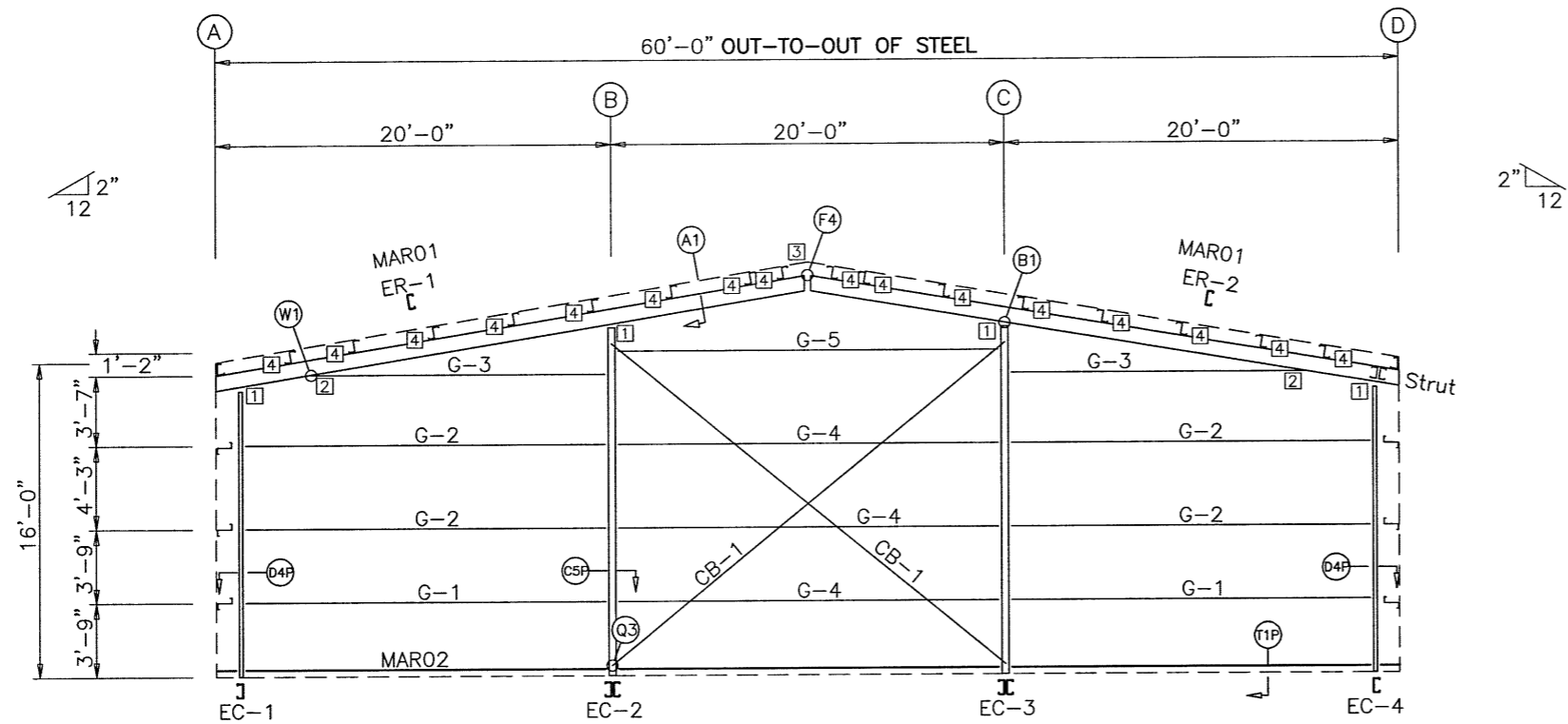
- STD. ROD/CABLE SIZES PER PART PREFIX ARE:

ROD	CABLE
RDB- = 5/8" ROD	CAA- = 1/4" CABLE
RDC- = 3/4" ROD	CAB- = 3/8" CABLE
RDD- = 7/8" ROD	CAC- = 1/2" CABLE
RDE- = 1" ROD	
RDF- = 1 1/8" ROD	
RDG- = 1 1/4" ROD	
- ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
- FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
- THIS DRAWING IS NOT TO SCALE.

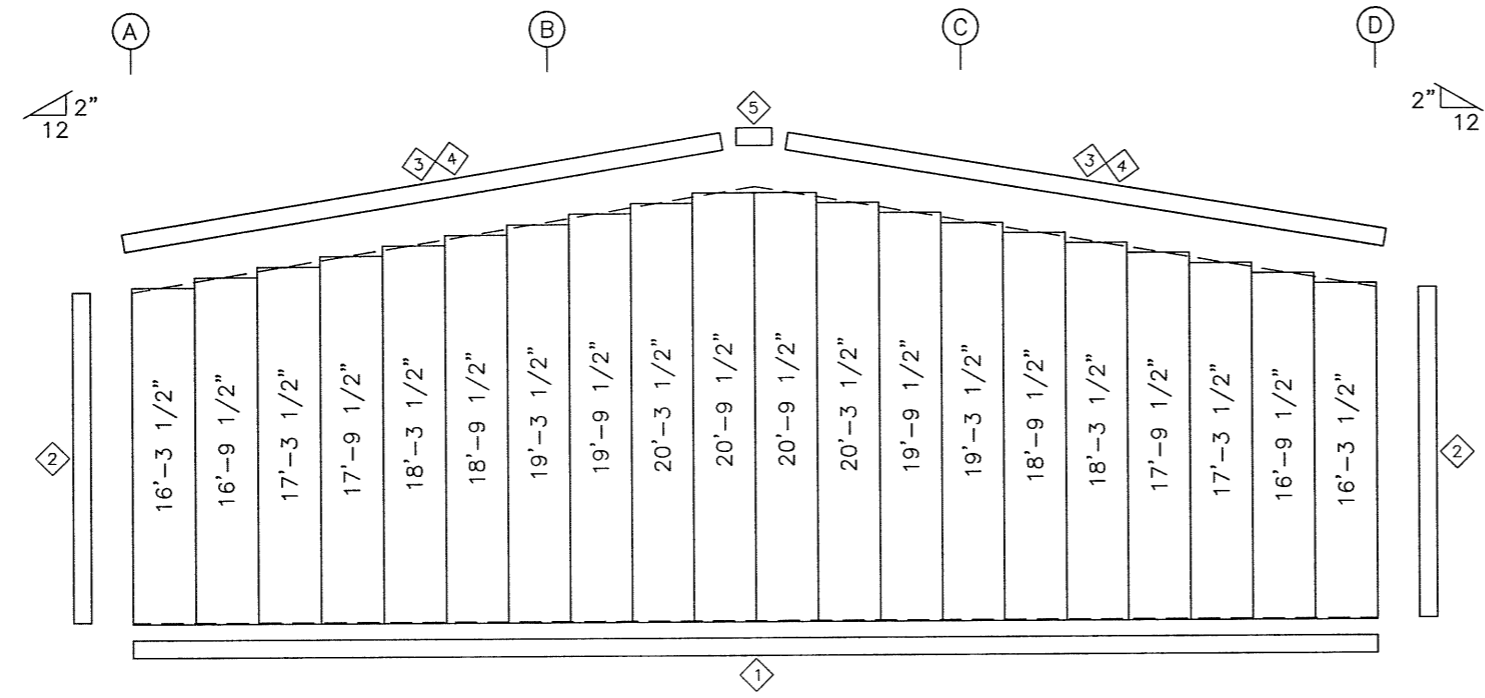
JOB NUMBER:
U1208093A

SHEET NO:
E4 of 6

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ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1
PANELS: 26 Ga. CW - Brick Red SP

BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	1/2"	2"
Columns/Raf	6	A325	1/2"	2"

TRIM TABLE			
FRAME LINE 1			
ID	PART	LENGTH	DETAIL
1	BSB01	122.000	T1
2	OCA01	242.000	TRIM_79
3	RTA01	121.000	TRIM_2
4	RTA02	242.000	TRIM_2
5	M0202	26.440	

MEMBER TABLE		
FRAME LINE 1		
MARK	PART	LENGTH
EC-1	W12S075	174.391
EC-2	W12SD089	211.724
EC-3	W12SD089	211.724
EC-4	W12S075	174.391
ER-1	W12S120	362.459
ER-2	W12S120	362.459
G-1	08Z075	215.500
G-2	08Z089	215.500
G-3	08Z075	156.590
G-4	08Z089	231.500
G-5	08Z099	231.500
CB-1	RDB-	317.000

CONNECTION PLATES	
FRAME LINE 1	
ID	MARK/PART
1	EWA01
2	GCR32ewa
3	NCR04
4	PCC02

ENDWALL FRAMING PLAN

- GENERAL NOTES**
- STD. ROD/CABLE SIZES PER PART PREFIX ARE:

ROD	CABLE
RDB- = 5/8" ROD	CAA- = 1/4" CABLE
RDC- = 3/4" ROD	CAB- = 3/8" CABLE
RDD- = 7/8" ROD	CAC- = 1/2" CABLE
RDE- = 1" ROD	
RDF- = 1 1/8" ROD	
RDG- = 1 1/4" ROD	

- ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
- FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
- THIS DRAWING IS NOT TO SCALE.

DATE	P.E.	ENG	CHK	DWN
6-1-12	RRS	JL	JL	JL
6-1-12	RRS	JL	JL	JL
6-8-12	RRS	JL	JL	JL

RHINO STEEL BUILDING SYSTEMS

4305 I-35 NORTH
DENTON, TX 76207

PHONE: (940) 383-9566
(888) 320-7466
FAX: (940) 484-6746

PROJECT NAME: **QUINALT NATION**

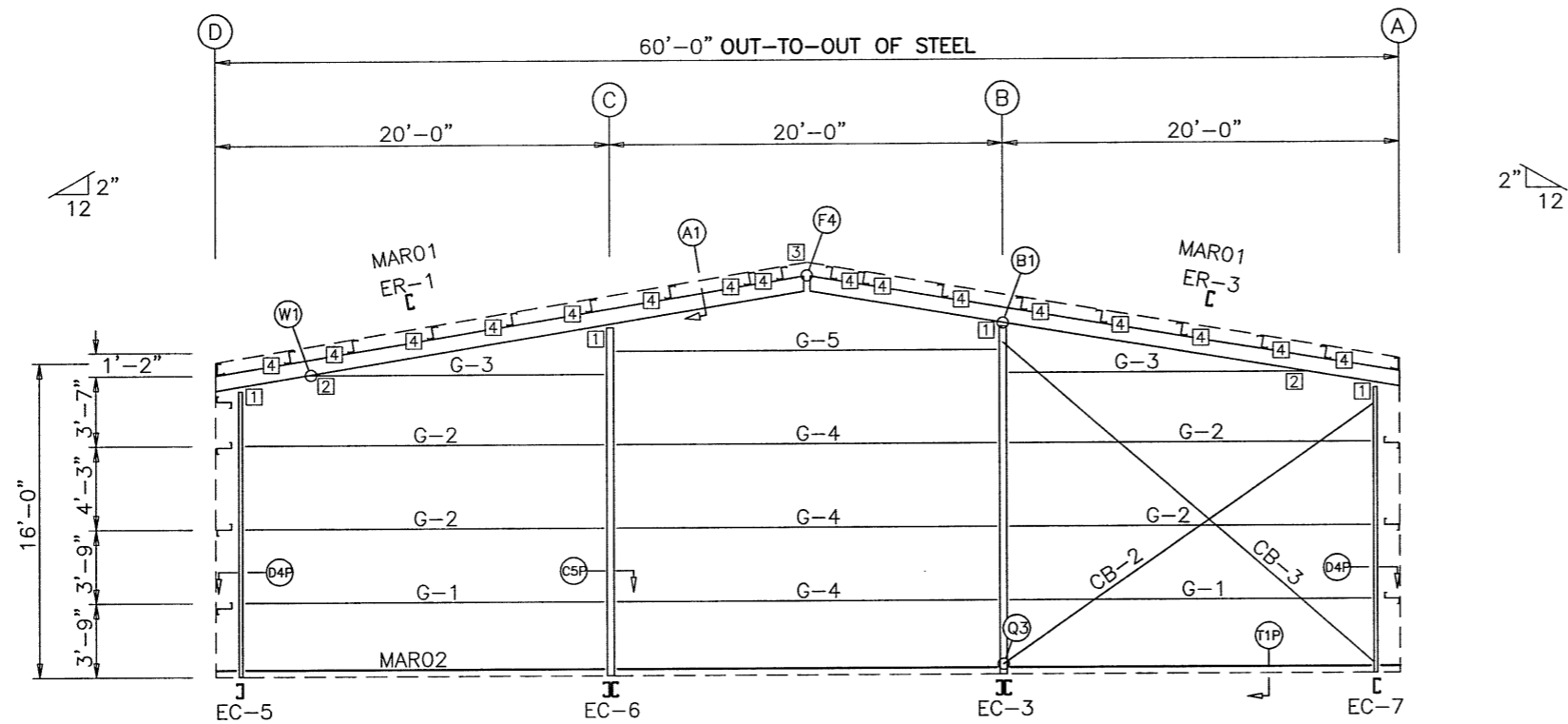
CUSTOMER: **QUINALT NATION**

POINT GRANDVILLE, WA
PACIFIC BEACH, WA

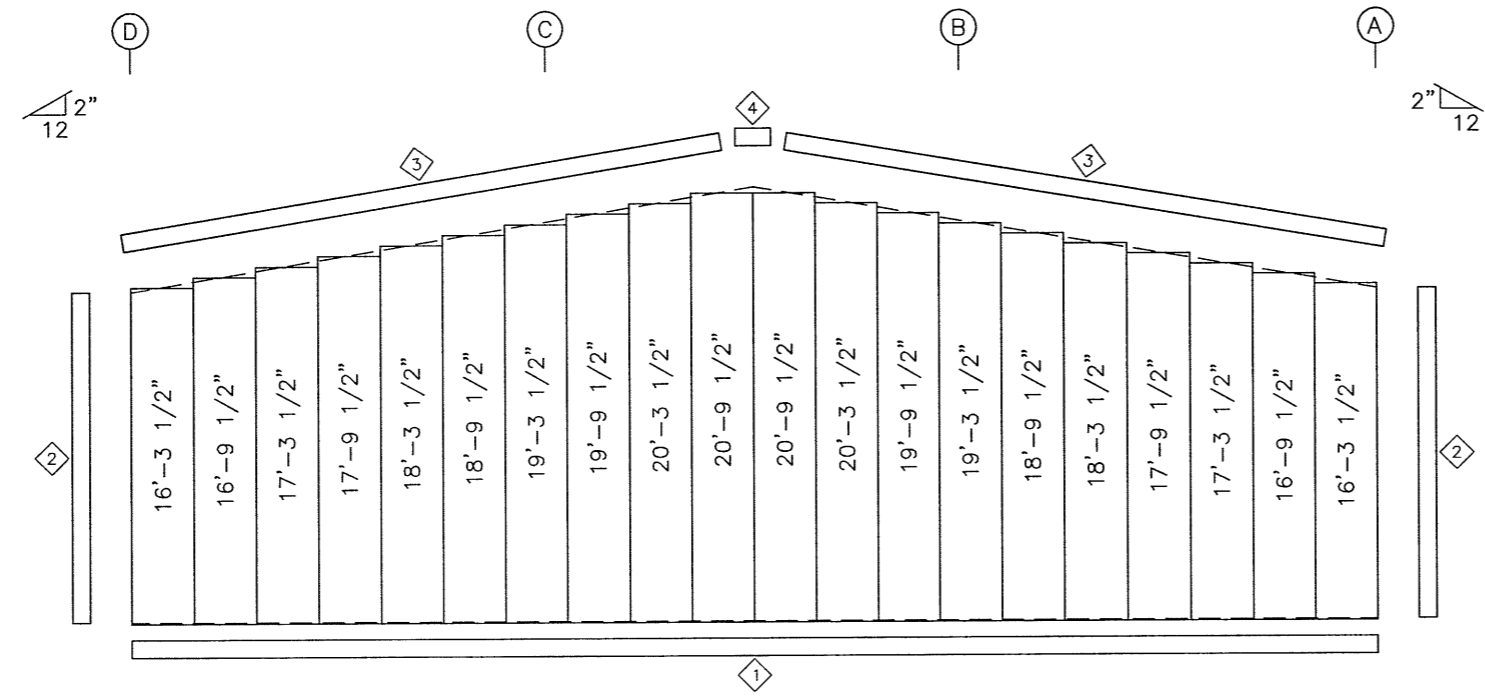
JOB NUMBER: **U1208093A**

SHEET NO: **E5 of 6**

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ENDWALL FRAMING: FRAME LINE 5



ENDWALL SHEETING & TRIM: FRAME LINE 5
PANELS: 26 Ga. CW - Brick Red SP

BOLT TABLE				
FRAME LINE 5				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-3	4	A325	1/2"	2"
Columns/Raf	6	A325	1/2"	2"

TRIM TABLE			
FRAME LINE 5			
ID	PART	LENGTH	DETAIL
1	BSB01	122.000	T1P
2	OCA01	242.000	TRIM_79
3	RTA02	242.000	TRIM_2
4	M0202	26.440	

MEMBER TABLE		
FRAME LINE 5		
MARK	PART	LENGTH
EC-3	W12SD089	211.724
EC-5	W12S075	174.391
EC-6	W12SD089	211.724
EC-7	W12S075	174.391
ER-1	W12S120	362.459
ER-3	W12S120	362.459
G-1	08Z075	215.500
G-2	08Z089	215.500
G-3	08Z075	156.590
G-4	08Z089	231.500
G-5	08Z099	231.500
CB-2	RDB-	282.000
CB-3	RDB-	305.000

CONNECTION PLATES	
FRAME LINE 5	
ID	MARK/PART
1	EWA01
2	GCR32ewa
3	NCR04
4	PCC02

ENDWALL FRAMING PLAN

- GENERAL NOTES
- STD. ROD/CABLE SIZES PER PART PREFIX ARE:

ROD	CABLE
RDB- = 5/8" ROD	CAA- = 1/4" CABLE
RDC- = 3/4" ROD	CAB- = 3/8" CABLE
RDD- = 7/8" ROD	CAC- = 1/2" CABLE
RDE- = 1" ROD	
RDF- = 1 1/8" ROD	
RDG- = 1 1/4" ROD	
 - ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
 - FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
 - THIS DRAWING IS NOT TO SCALE.

DATE	6-1-12
P.E.	RRS
ENG	JL
CHK	JL
DWN	JL
ISSUE	
CONSTRUCTION ANCHOR BOLTS	
PERMIT DRAWINGS	
FINAL ERECTION DRAWINGS	

PROJECT NAME: RHINO STEEL BUILDING SYSTEMS

4305 I-35 NORTH DENTON, TX 76207

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FAX: (940) 484-6746

CUSTOMER: QUINALT NATION

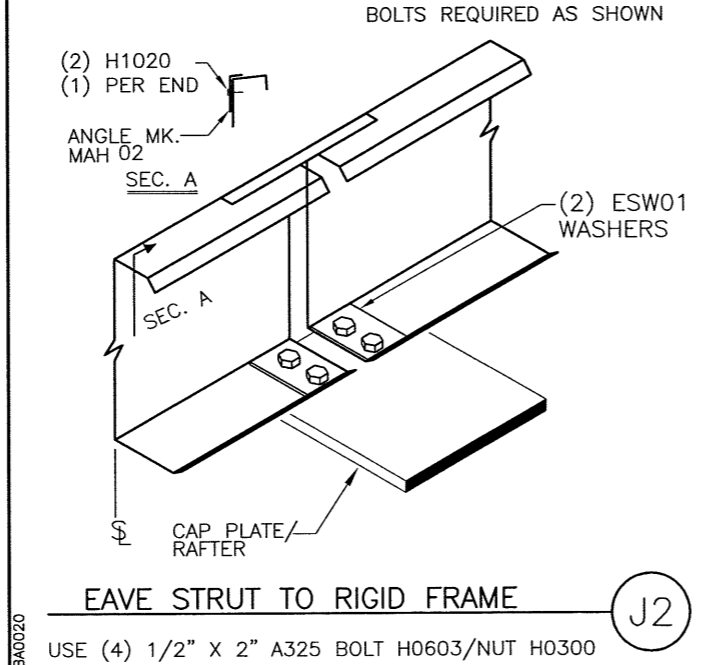
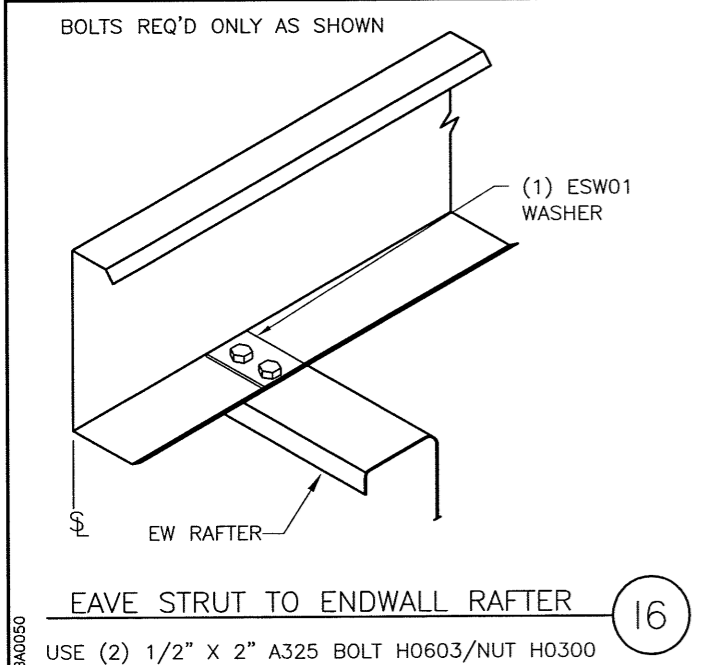
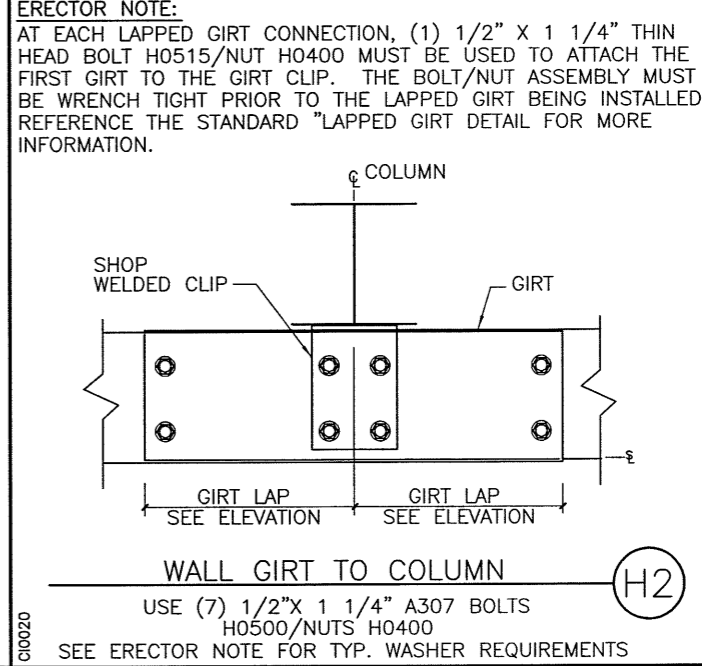
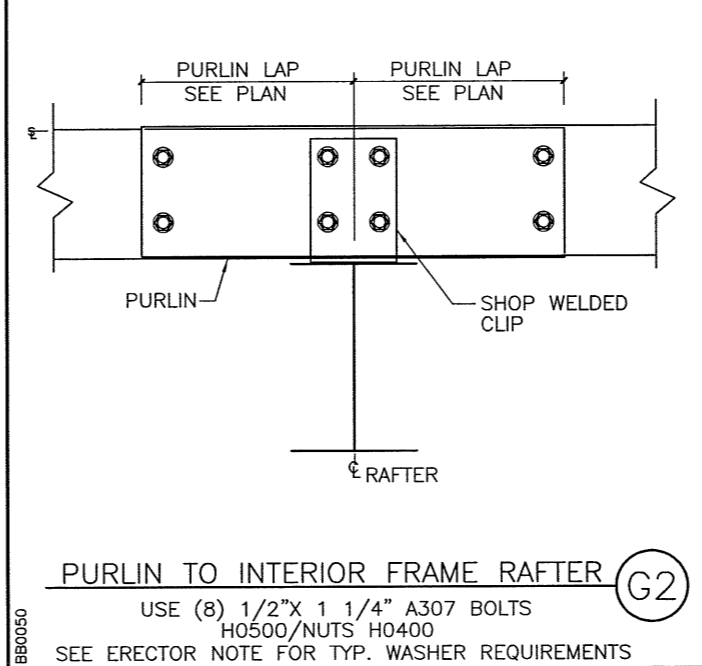
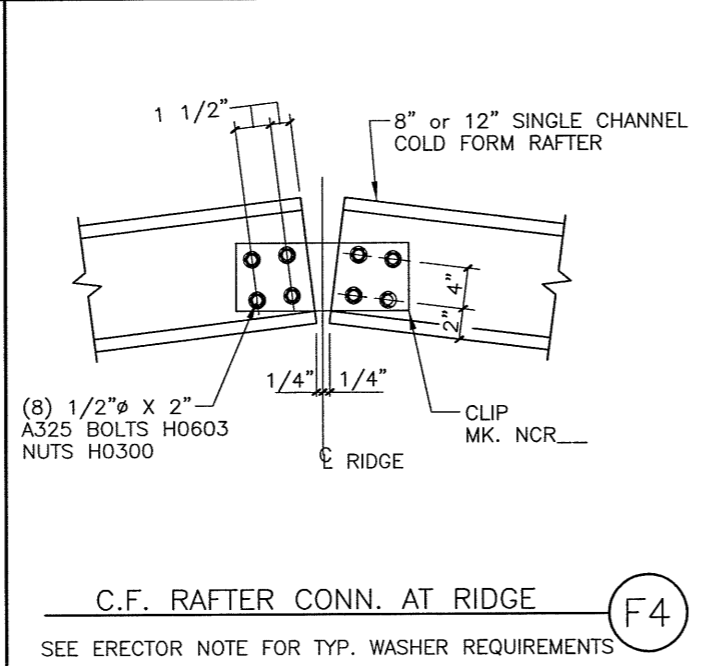
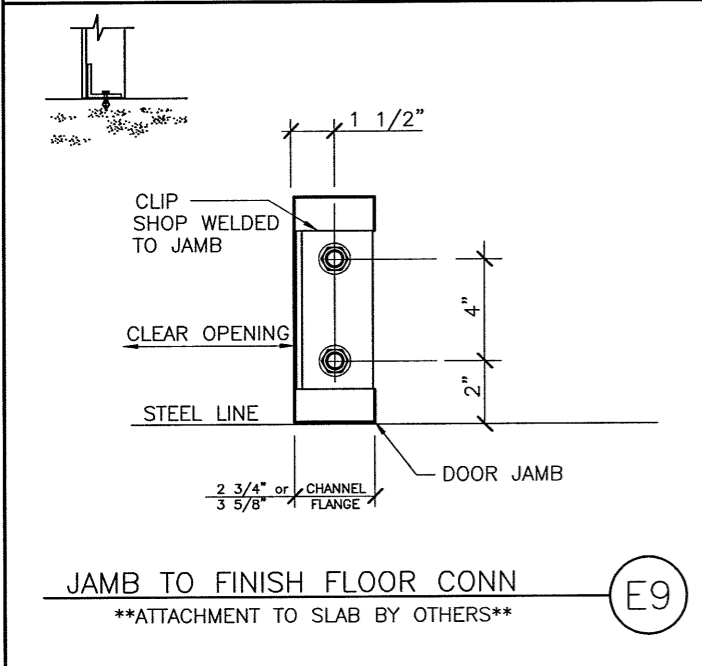
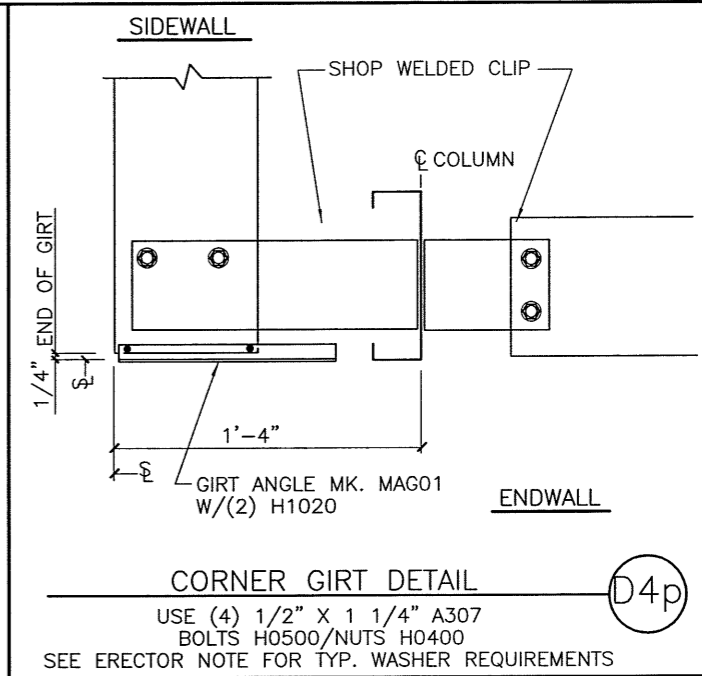
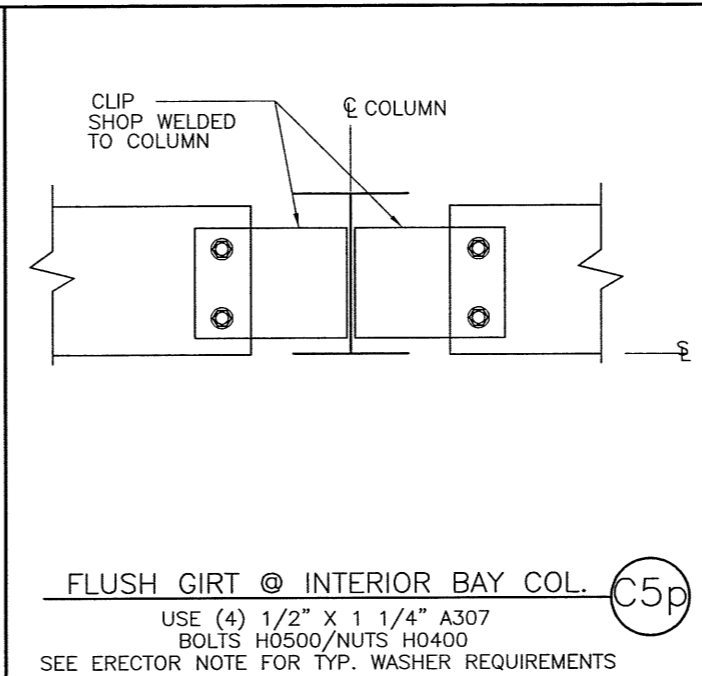
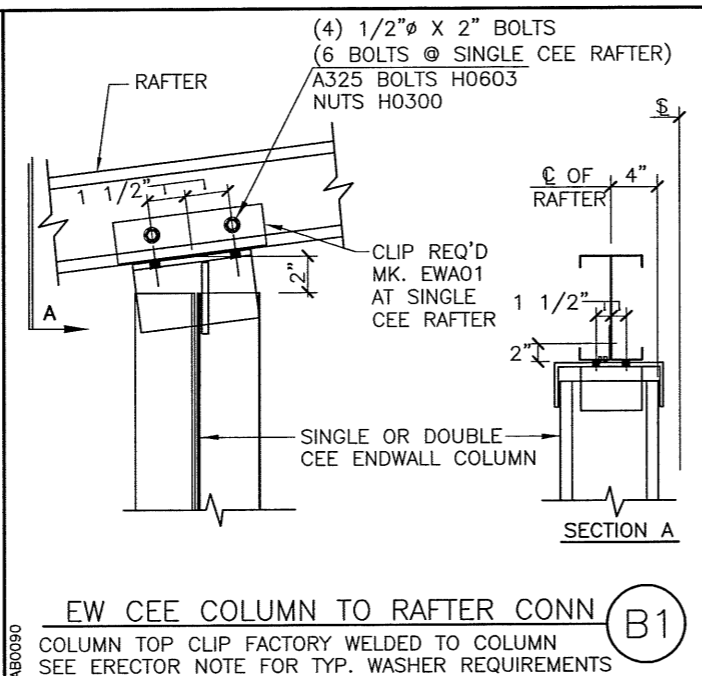
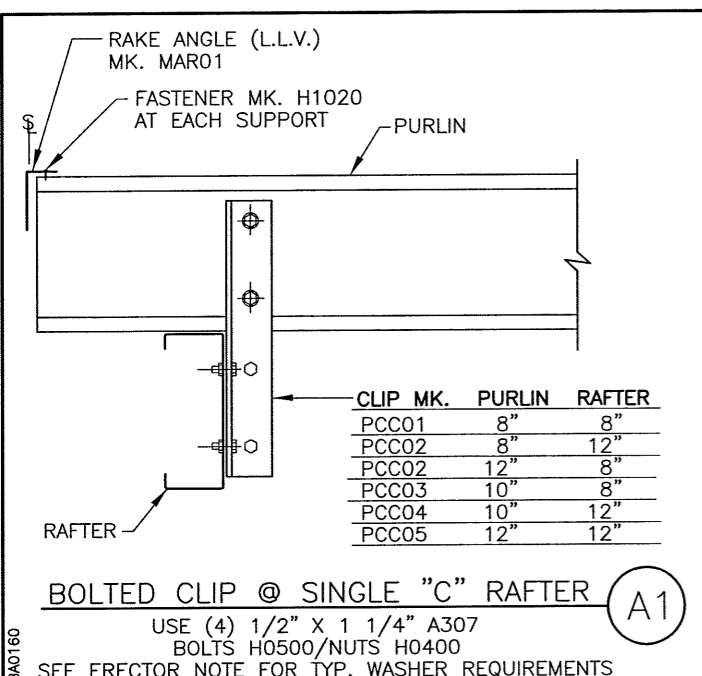
POINT GRANDVILLE, WA

PACIFIC BEACH, WA

JOB NUMBER: U1208093A

SHEET NO: E6 of 6

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF THE METAL BUILDING MANUFACTURER. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY THE METAL BUILDING MANUFACTURER AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



DATE	P.E.	ENG	DWN	CHK	ISSUE
6-1-12	RRS	JL	MBS	JL	CONSTRUCTION ANCHOR BOLTS
6-1-12	RRS	JL	MBS	JL	PERMIT DRAWINGS
6-8-12		TOW	MBS	TOW	FINAL ERECTION DRAWINGS

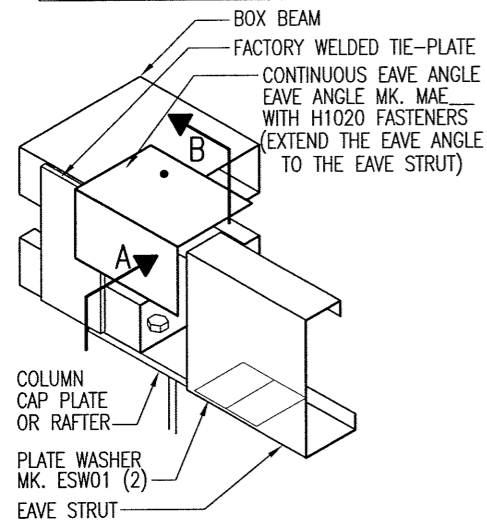
RHINO STEEL BUILDING SYSTEMS
 4305 I-35 NORTH DENTON, TX 76207
 PHONE: (940) 383-9566 (888) 320-7466
 FAX: (940) 484-8746

PROJECT NAME: QUINALT NATION
CUSTOMER: QUINALT NATION
 POINT GRANDVILLE, WA
 PACIFIC BEACH, WA

JOB NUMBER: U1208093A
SHEET NO: D1 of 6

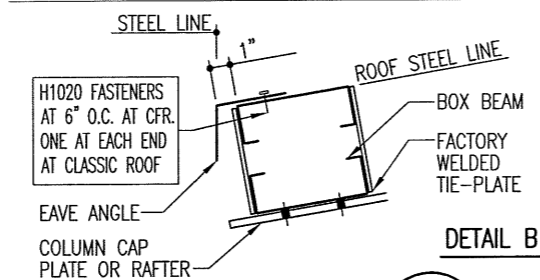
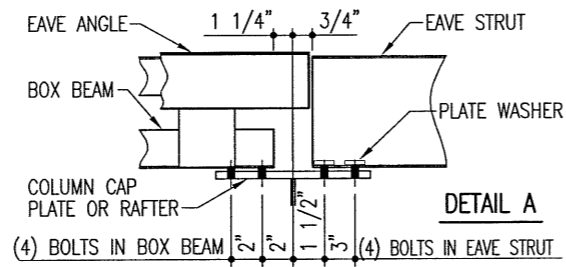
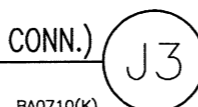
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LEFT HAND SHOW, RIGHT HAND OPPOSITE

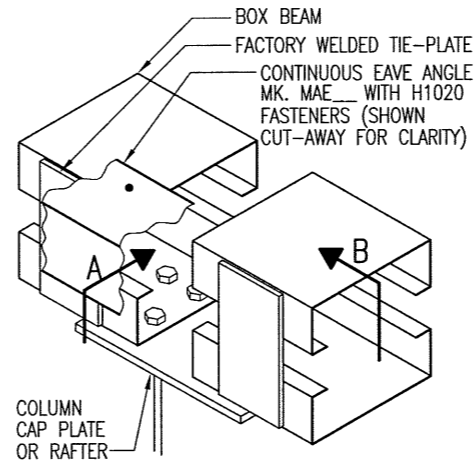


C.F. BOX BEAM AT LOW EAVE, ADJACENT TO EAVE STRUT (HEAVY CONN.)

USE (8) 1/2" x 2" A325 BOLTS H0603/NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

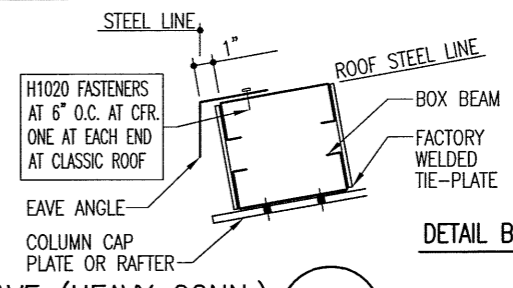
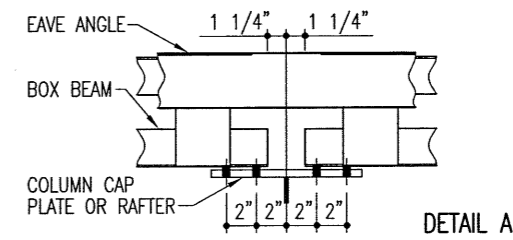


DETAIL B



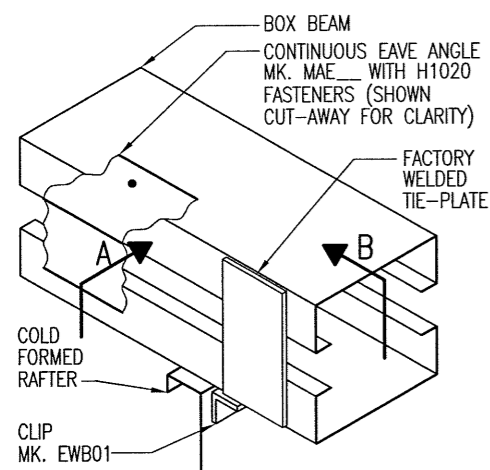
COLD-FORMED BOX BEAM AT LOW EAVE (HEAVY CONN.)

USE (8) 1/2" x 2" A325 BOLTS H0603/NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



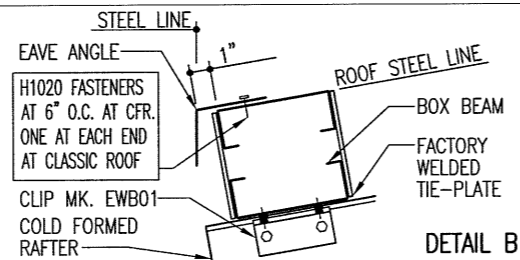
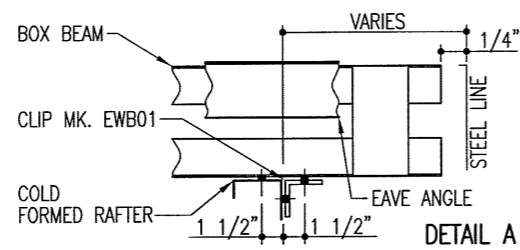
DETAIL B

NOTE: RAFTER AND CLIP ORIENTATION MAY BE OPP. HAND



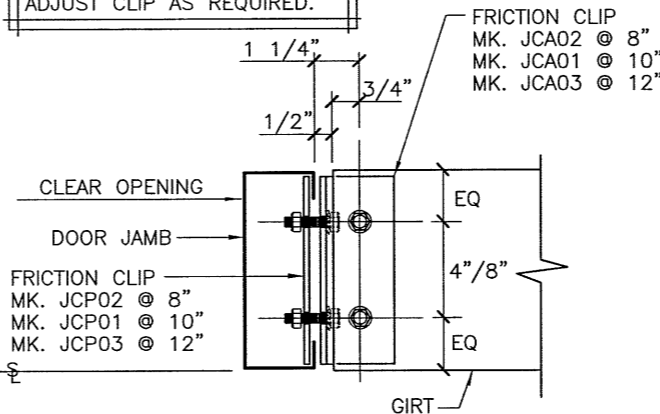
COLD-FORMED BOX BEAM AT LOW EAVE (HEAVY CONN.)

USE (6) 1/2" x 2" A325 BOLTS H0603/NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



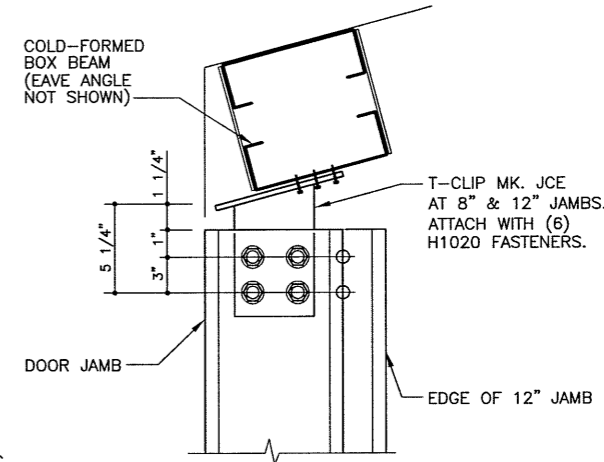
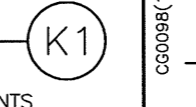
DETAIL B

NOTE: INSTALL CLIPS ON JAMB BEFORE STANDING JAMB. USE LEVEL TO ALIGN GIRTS. ADJUST CLIP AS REQUIRED.



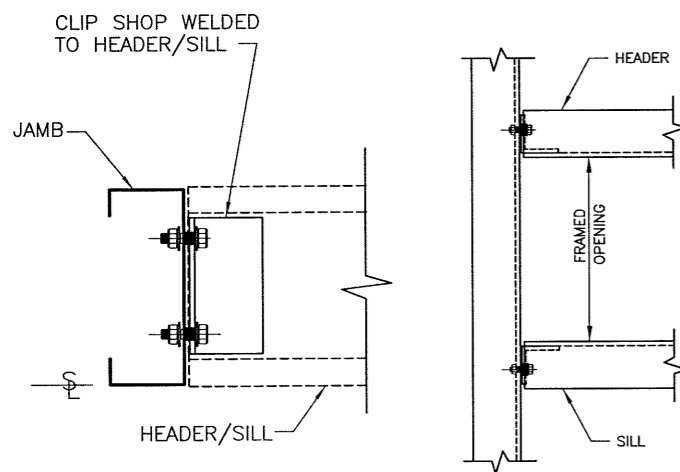
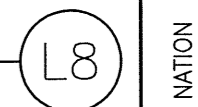
GIRT TO JAMB CONNECTION

USE (4) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400
SEE ERECTOR NOTE FOR TYP. WASHER REQUIREMENTS



(8" OR 12") JAMB TO BOX BEAM

NOTE: USE (4) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



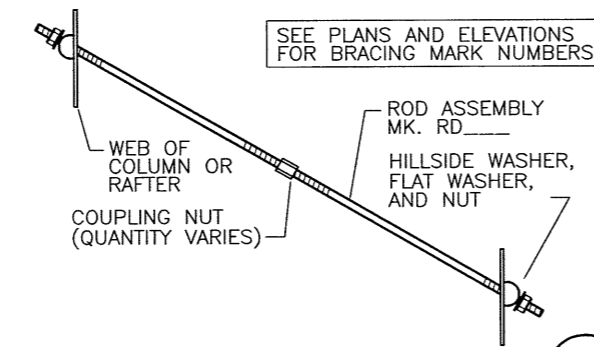
HEADER/SILL TO JAMB CONNECTION

USE (2) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400 (U.N.O.)
SEE ERECTOR NOTE FOR TYP. WASHER REQUIREMENTS

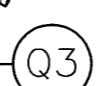


ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	COUPLING NUTS
5/8" ϕ	RDB	(2) H0930	(2) H0210	(2) H0310	H0810
3/4" ϕ	RDC	(2) H0930	(2) H0220	(2) H0320	H0820
7/8" ϕ	RDD	(2) H0930	(2) H0230	(2) H0325	H0830
1" ϕ	RDE	(2) H0960	(2) H0240	(2) H0330	H0840
1 1/8" ϕ	RDF	(2) H0960	(2) H0250	(2) H0450	H0850
1 1/4" ϕ	RDG	(2) H0960	(2) H0260	(2) H0340	H0860

SEE PLANS AND ELEVATIONS FOR BRACING MARK NUMBERS

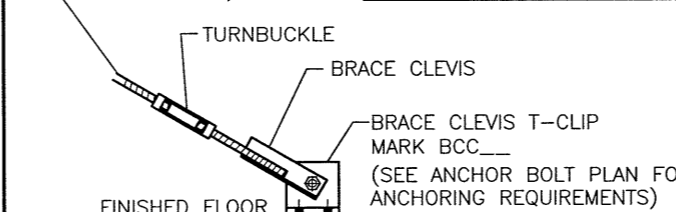


ROD BRACE DETAIL (WEB TO WEB)

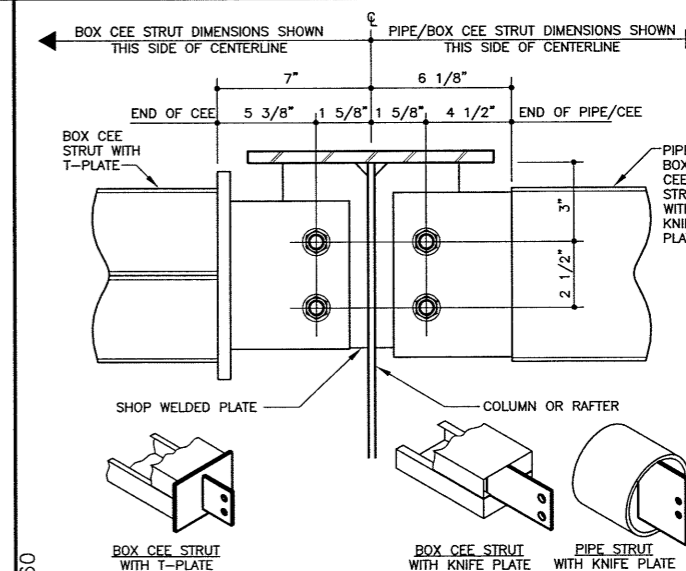
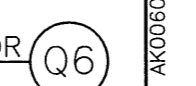


BRACE TYPE	TURNBUCKLE	BRACE CLEVIS	FLOOR ANCHOR	A325 BOLT	A325 NUT
CABLE (ANY ϕ)	H0730	BCS04	BCC01	H0640	H0330
5/8" ϕ ROD	H0710	BCS02	BCC01	H0640	H0330
3/4" ϕ ROD	H0720	BCS03	BCC01	H0640	H0330
7/8" ϕ ROD	H0730	BCS04	BCC01	H0640	H0330
1" ϕ ROD	H0740	BCL05	BCC02	H0660	H0340
1 1/8" ϕ ROD	H0750	BCL01	BCC02	H0660	H0340
1 1/4" ϕ ROD	H0760	BCL02	BCC02	H0660	H0340

SEE PLANS AND ELEVATIONS FOR BRACING MARK NUMBERS



DIAGONAL BRACE TO FLOOR ANCHOR



STRUT DETAIL

6" PIPE STRUT OR BOX CEE STRUT AT 8" (MIN.) COLUMN OR RAFTER
NOTE: USE (2) 1" x 3 1/4" A325 BOLTS H0640/NUTS H0330
SEE PLANS & ELEVATIONS FOR MARK NUMBERS AND LOCATIONS



DATE	P.E.	ENG	CHK	DWN	ISSUE
6-1-12	RRS	TB	JL	MBS	CONSTRUCTION ANCHOR BOLTS
6-1-12	RRS	TB	JL	MBS	PERMIT DRAWINGS
6-8-12			TOW	MBS	FINAL ERECTION DRAWINGS

RHINO STEEL BUILDING SYSTEMS

RHINO
STEEL BUILDING SYSTEMS

4305 I-35 NORTH
DENTON, TX 76207

PHONE: (940) 383-9566
(940) 320-7466
(888) 320-7466

FAX: (940) 484-8746

PROJECT NAME: **QUINALT NATION**

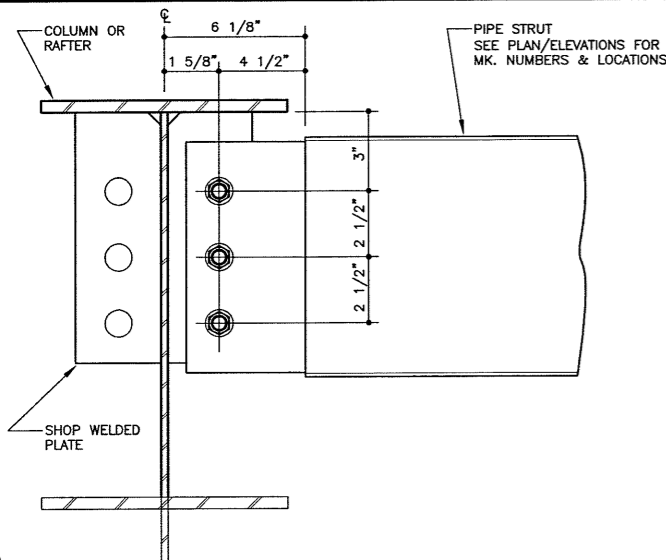
POINT GRANDVILLE, WACUSTOMER: **QUINALT NATION**
PACIFIC BEACH, WA

JOB NUMBER: **U1208093A**

SHEET NO: **D2 of 6**

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AK0070

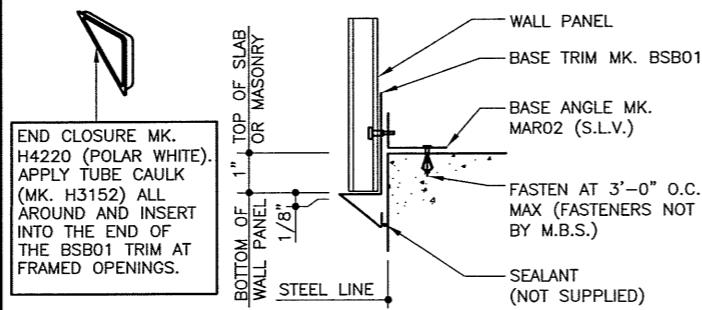


PIPE STRUT DETAIL

8" PIPE STRUT AT 10" (MIN.) COLUMN OR RAFTER
NOTE: USE (3) 1" X 3 1/4" A325 BOLTS H0640/NUTS H0330

Q11

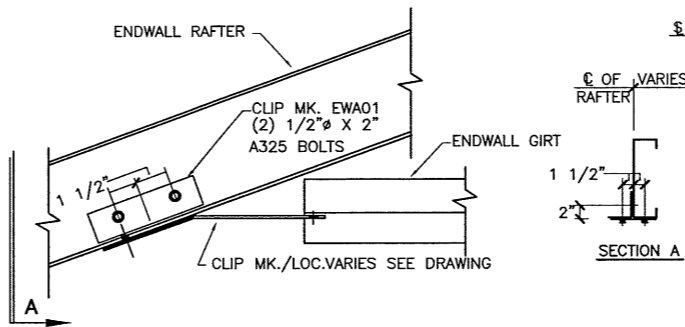
ERECTOR NOTE:
UNTIL WALL PANELS ARE INSTALLED, (3) H1040 SCREWS ARE TO BE USED FOR TEMPORARY INSTALLATION OF THE BASE TRIM.



BASE TRIM DETAIL (WITH ANGLE)

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

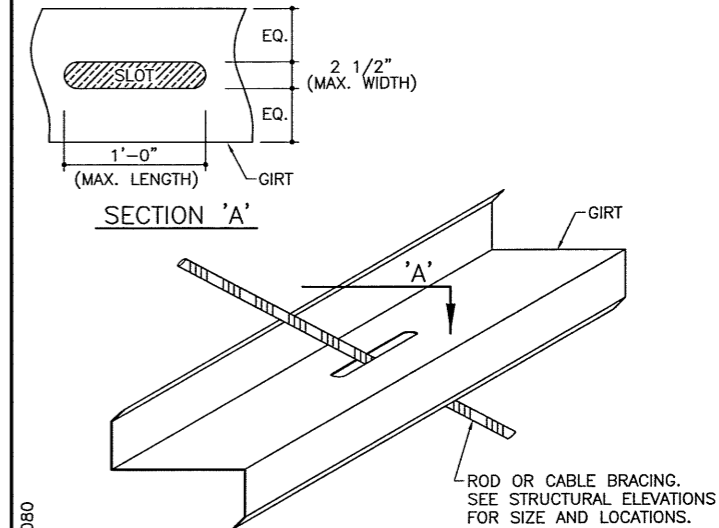
T1P



INSET/FLUSH GIRTS TERMINATION TO SINGLE CEE/CHANNEL RAFTER WEB

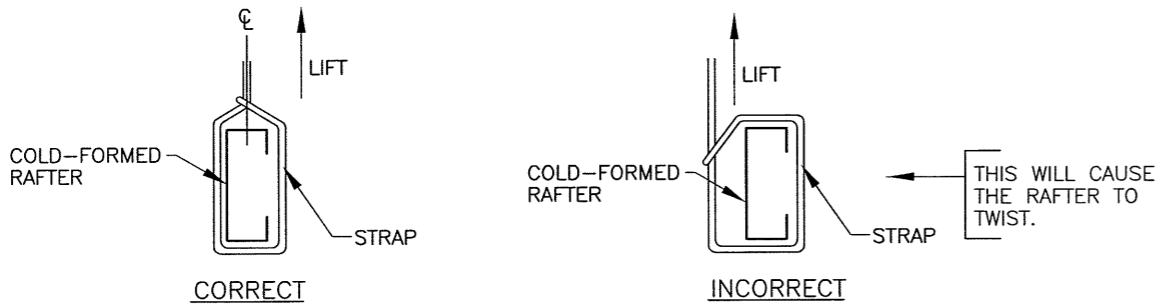
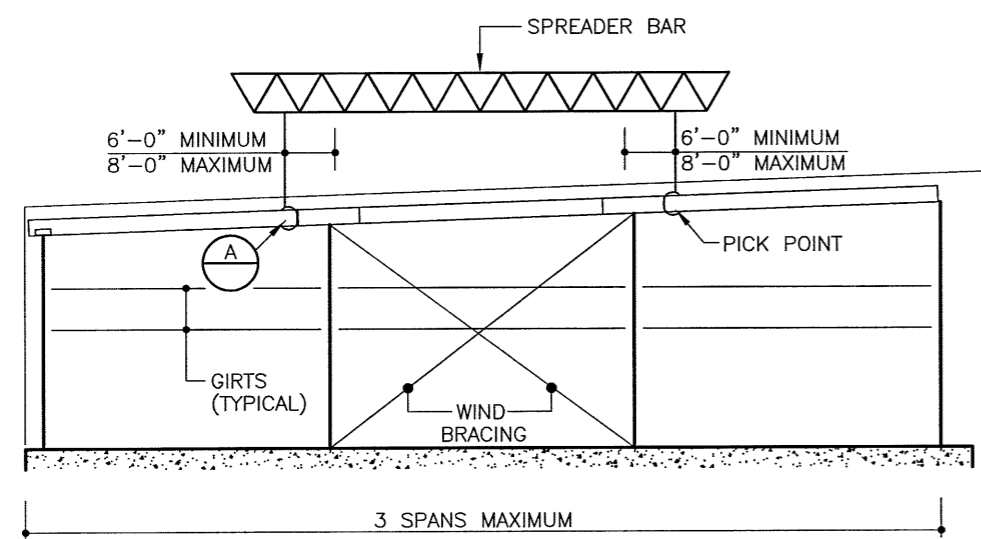
W1

(4) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400
(2) 1/2" x 2" A325 BOLTS H0603/NUTS H0300
REFERENCE ERECTOR NOTE FOR TYP. WASHER REQUIREMENTS



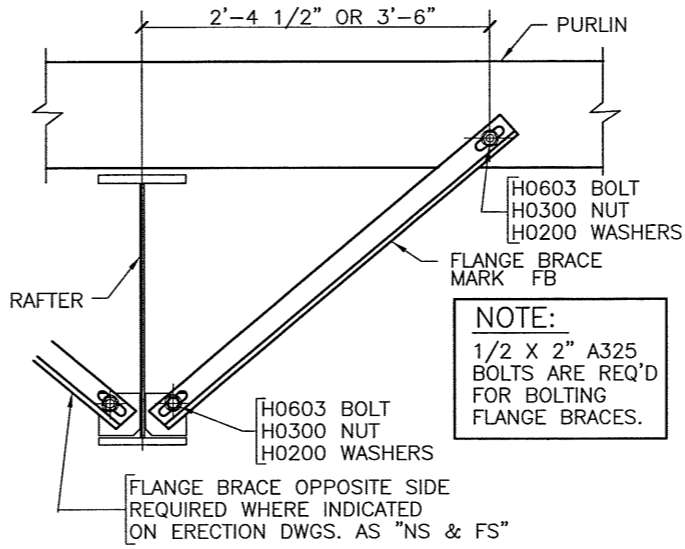
GUIDELINES FOR FIELD SLOTTING GIRTS AT INSET OR FLUSH CONDITION

AE0080/AF0080



COLD FORMED ENDWALL ERECTOR DETAIL

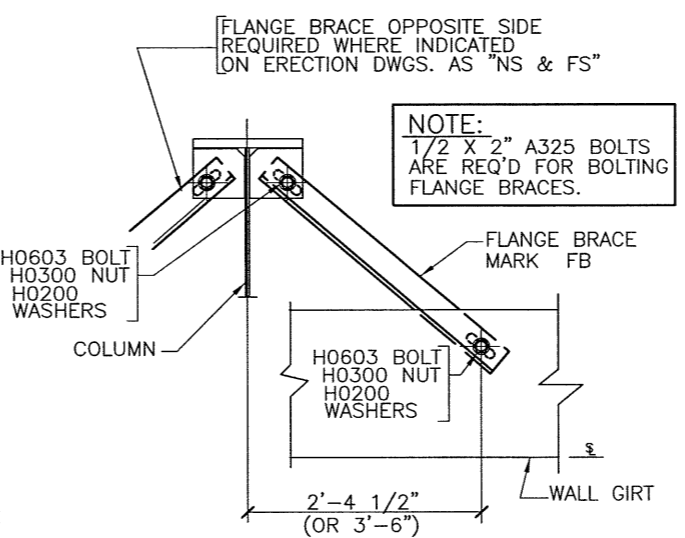
- 1) GIRTS, CLIPS, RAFTERS AND COLUMNS MUST BE SECURELY AND TIGHTLY BOLTED TOGETHER PRIOR TO STANDING UP THE ENDWALL SECTION. (NOTE: THE GIRTS PROVIDE STABILITY TO THE ENDWALL SYSTEM DURING THE ERECTION PROCESS)
- 2) BUILT-UP COLUMNS/RAFTERS MUST BE ERECTED INDIVIDUALLY WHEN USED WITH COLD FORMED ENDWALL PARTS
- 3) THIS DETAIL IS SUGGESTED IN ORDER TO MAINTAIN STRUCTURAL INTEGRITY OF ENDWALL PARTS AFTER ERECTION. SOUND JUDGEMENT BASED ON ERECTION KNOWLEDGE AND EXPERIENCE SHOULD BE APPLIED REGARDING SAFETY AND PRACTICALITY OF INDIVIDUAL SITUATIONS.
- 4) REGULATIONS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ACT, LOCAL, STATE, AND/OR FEDERAL AGENCIES SHOULD BE ADHERED TO AT ALL TIMES. THE METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR INJURY, DAMAGE, OR FAILURE WHICH MAY RESULT FROM FAILING TO MEET ANY OF THESE REGULATIONS.



TYP FLANGE BRACE @ PURLIN & RAFTER

NOTE: SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

AG0010



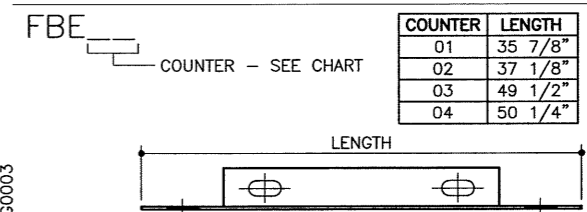
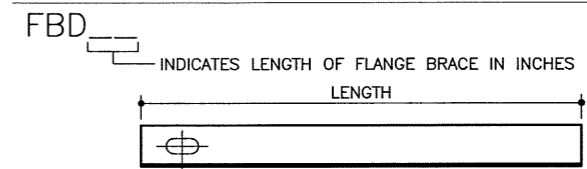
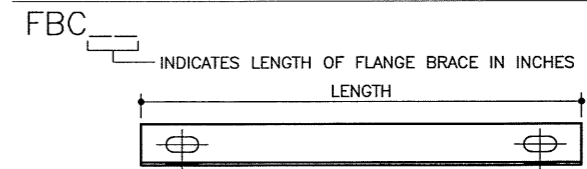
TYP FLANGE BRACE @ BU COL & GIRTS

NOTE: SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

AG0030

TYPICAL FLANGE BRACE MARK NUMBERS

ACTUAL FLANGE BRACES DO NOT HAVE MARK NUMBERS ON THEM



COUNTER	LENGTH
01	35 7/8"
02	37 1/8"
03	49 1/2"
04	50 1/4"

DATE	P.L.E.	ENG.	CHK.	DWN.	ISSUE
6-1-12	RRS	TB	JL	MBS	CONSTRUCTION ANCHOR BOLTS
6-1-12	RRS	TB	JL	MBS	PERMIT DRAWINGS
6-8-12			TOW	MBS	FINAL ERECTION DRAWINGS

RHINO STEEL BUILDING SYSTEMS

4305 I-35 NORTH DENTON, TX 76207
PHONE: (940) 383-9566 (888) 320-7466
FAX: (940) 484-8746

QUINALT NATION
POINT GRANDVILLE, WA

QUINALT NATION
PACIFIC BEACH, WA

JOB NUMBER: U1208093A

SHEET NO: D3 of 6

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AA0005

TYPICAL FIELD WELD REQUIREMENTS ERECTOR NOTE:
(UNLESS NOTED OTHERWISE ON DRAWINGS)

ALL FIELD WELDING MUST BE PERFORMED BY AWS/CWB CERTIFIED WELDERS WHO ARE QUALIFIED FOR THE WELDING PROCESSES AND POSITIONS INDICATED.

ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS/CWB SPECIFICATIONS.

WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI/483 MPa MATERIAL AND LOW HYDROGEN CONTENT.

GALVANIZED STEEL FIELD WELDING RECOMMENDATIONS

PREPARATION OF WELD AREA

AWS D-19.0, WELDING ZINC COATED STEEL, CALLS FOR WELDS TO BE MADE ON STEEL THAT IS FREE OF ZINC IN THE AREA TO BE WELDED. FOR GALVANIZED STRUCTURAL COMPONENTS, THE ZINC COATING SHOULD BE REMOVED AT LEAST ONE TO FOUR INCHES (2.5-10 cm) FROM EITHER SIDE OF THE INTENDED WELD ZONE AND ON BOTH SIDES OF THE WORKPIECE. GRINDING BACK THE ZINC COATING IS THE PREFERRED AND MOST COMMON METHOD; BURNING THE ZINC AWAY OR PUSHING BACK THE MOLTEN ZINC FROM THE WELD AREA ARE ALSO EFFECTIVE.

TOUCH-UP OF WELD AREA

WELDING ON GALVANIZED SURFACES DESTROYS THE ZINC COATING ON AND AROUND THE WELD AREA. RESTORATION OF THE AREA WILL BE PERFORMED IN ACCORDANCE WITH ASTM A 780, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS, WHICH SPECIFIES THE USE OF PAINTS CONTAINING ZINC DUST, ZINC-BASED SOLDERS OR SPRAYED ZINC. ALL TOUCHUP AND REPAIR METHODS ARE CAPABLE OF BUILDING A PROTECTIVE LAYER TO THE THICKNESS REQUIRED BY ASTM A 780.

SAFETY & HEALTH

WHEN WELDING DIRECTLY ON GALVANIZED STEEL IS UNAVOIDABLE, OSHA PERMISSIBLE EXPOSURE LIMITS (PELS) MAY BE EXCEEDED AND EVERY PRECAUTION, INCLUDING HIGH-VELOCITY CIRCULATING FANS WITH FILTERS, AIR RESPIRATORS AND FUME-EXTRACTION SYSTEMS SUGGESTED BY AWS, SHOULD BE EMPLOYED. FUMES FROM WELDING GALVANIZED STEEL CAN CONTAIN ZINC, IRON, AND LEAD. FUME COMPOSITION TYPICALLY DEPENDS ON THE COMPOSITION OF THE MATERIALS USED, AS WELL AS THE HEAT APPLIED BY THE PARTICULAR WELDING PROCESS. IN ANY EVENT, GOOD VENTILATION MINIMIZES THE AMOUNT OF EXPOSURE TO FUMES.

PRIOR TO WELDING ON ANY METAL, CONSULT ANSI/ASC Z-49.1, SAFETY IN WELDING, CUTTING AND ALLIED PROCESSES, WHICH CONTAINS INFORMATION ON THE PROTECTION OF PERSONNEL AND THE GENERAL AREA, VENTILATION AND FIRE PREVENTION.

INFORMATION COURTESY OF AMERICAN GALVANIZERS ASSOCIATION

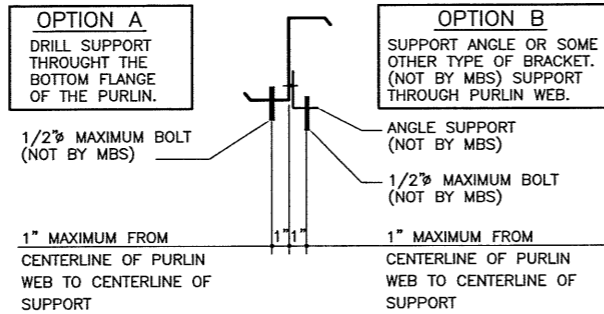
COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC. ARE SUSPENDED FROM ROOF MEMBERS, CONSULT ENGINEER OF RECORD IF THESE CONCENTRATED LOADS EXCEED 200 POUNDS, OR IF INDIVIDUAL MEMBERS ARE LOADED SIGNIFICANTLY MORE THAN OTHERS.



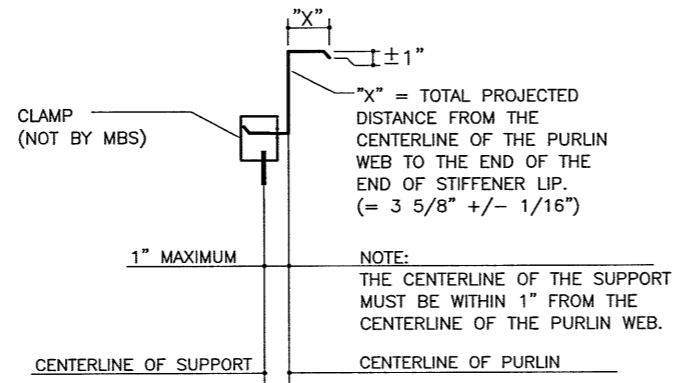
GENERAL RESTRICTION:

UNDER NO CIRCUMSTANCES CAN THE PURLIN STIFFENING LIP BE FIELD MODIFIED FROM THE FACTORY SUPPLIED CONDITION. ALSO DO NOT HANG ANYTHING FROM PURLIN STIFFENING LIP.

OPTIONS FOR SUPPORT ATTACHMENTS:



OPTION C: IF PURLIN FLANGE SUPPORT CLAMPS ARE USED.

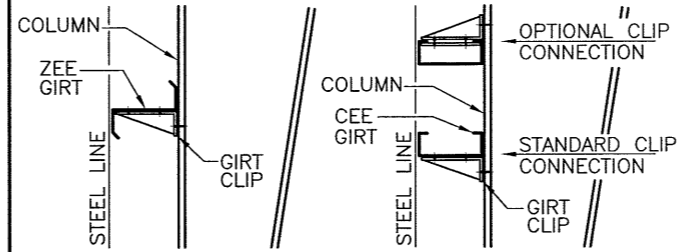


PURLIN SUPPORT METHODS

BD0130

ERECTOR NOTE: UNLESS SPECIFICALLY NOTED OTHERWISE, STANDARD ZEE GIRTS ORIENTATION IS TO HAVE THE GIRTS TOED DOWN AT THE STEEL LINE AS SHOWN IN THE DETAIL BELOW.

UNLESS SPECIFICALLY NOTED OTHERWISE, STANDARD CEE GIRTS ORIENTATION IS TO HAVE THE GIRTS TOED UP AS SHOWN IN THE DETAIL BELOW. STANDARD CLIP ATTACHMENT IS BELOW THE GIRTS, HOWEVER SOME DETAILS REQUIRE THAT THE CLIP BE ABOVE THE GIRTS. (REFER TO THE GIRTS DETAILS ON THE ERECTION DRAWINGS FOR REQUIREMENTS) BOTH CLIP ATTACHMENTS ARE SHOWN IN THE DETAIL BELOW.

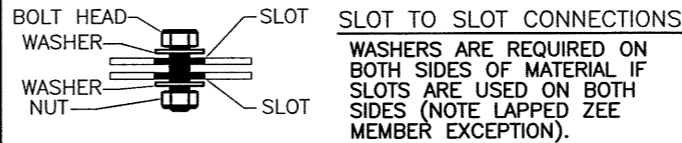


ZEE GIRTS ORIENTATION CEE GIRTS ORIENTATION

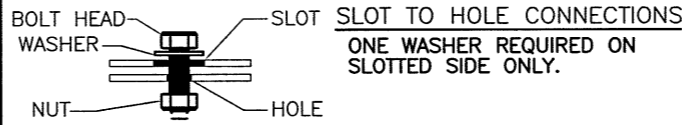
STANDARD GIRTS ORIENTATION DETAIL

NOTE: BYPASS GIRTS CONDITION IS SHOWN FOR REFERENCE ONLY. YOUR PROJECT MAY HAVE FLUSH OR INSET GIRTS.

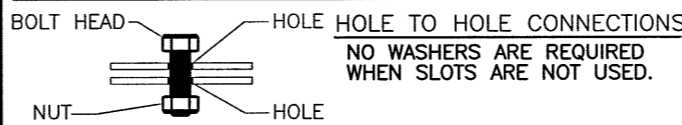
TYPICAL WASHER REQUIREMENTS ERECTOR NOTE (UNLESS NOTED OTHERWISE ON DRAWINGS)



SLOT TO SLOT CONNECTIONS
WASHERS ARE REQUIRED ON BOTH SIDES OF MATERIAL IF SLOTS ARE USED ON BOTH SIDES (NOTE LAPPED ZEE MEMBER EXCEPTION).



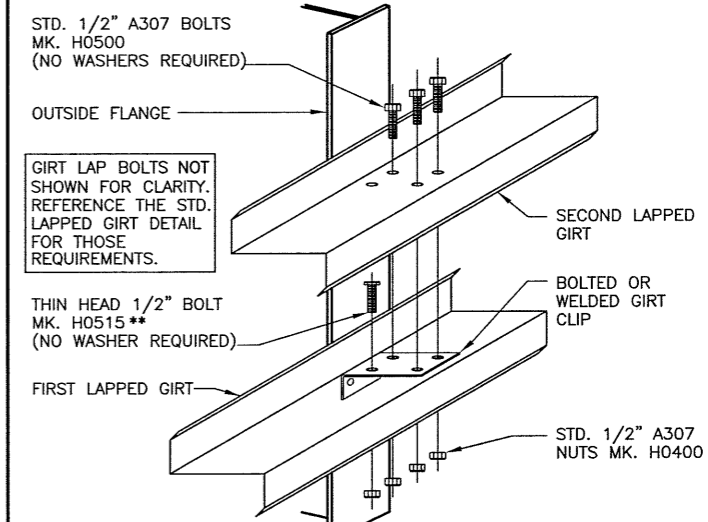
SLOT TO HOLE CONNECTIONS
ONE WASHER REQUIRED ON SLOTTED SIDE ONLY.



HOLE TO HOLE CONNECTIONS
NO WASHERS ARE REQUIRED WHEN SLOTS ARE NOT USED.

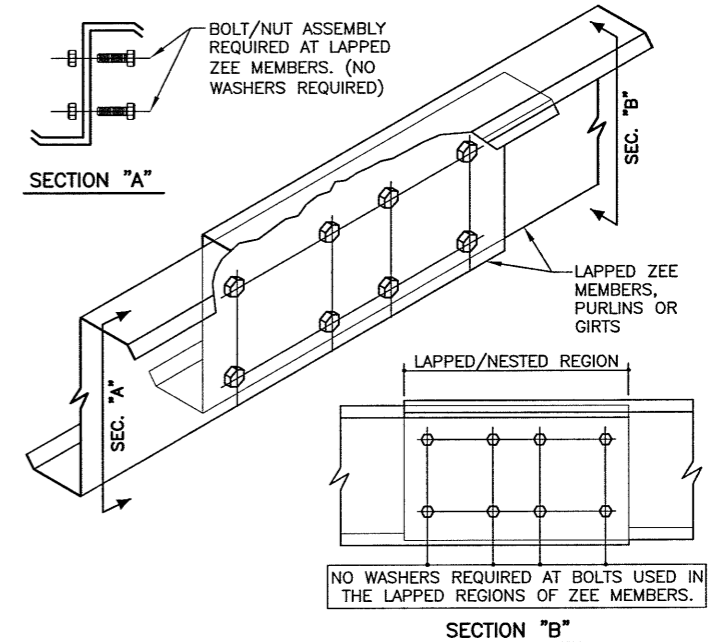
WASHER PART NUMBERS

H0200 - 1/2" FLAT WASHER	H0240 - 1" FLAT WASHER
H0210 - 5/8" FLAT WASHER	H0250 - 1 1/8" FLAT WASHER
H0220 - 3/4" FLAT WASHER	H0260 - 1 1/4" FLAT WASHER
H0230 - 7/8" FLAT WASHER	



LAPPED GIRTS ORIENTATION

LAPPED GIRTS @ INTERIOR BAY COLUMNS
** THE THIN HEAD 1/2" A307 BOLT MUST BE INSTALLED INTO THE FIRST GIRTS AND CLIP OF A LAPPED CONDITION. THE BOLT/NUT ASSEMBLY MUST BE WRENCH TIGHT PRIOR TO THE SECOND LAPPED GIRTS BEING INSTALLED.



NO WASHERS REQUIRED AT BOLTS USED IN THE LAPPED REGIONS OF ZEE MEMBERS.

DATE	6-1-12
P.E.	RRS
ENG.	TB
CHK.	JL
DWN.	MBS
ISSUE	CONSTRUCTION ANCHOR BOLTS
	PERMIT DRAWINGS
	FINAL ERECTION DRAWINGS

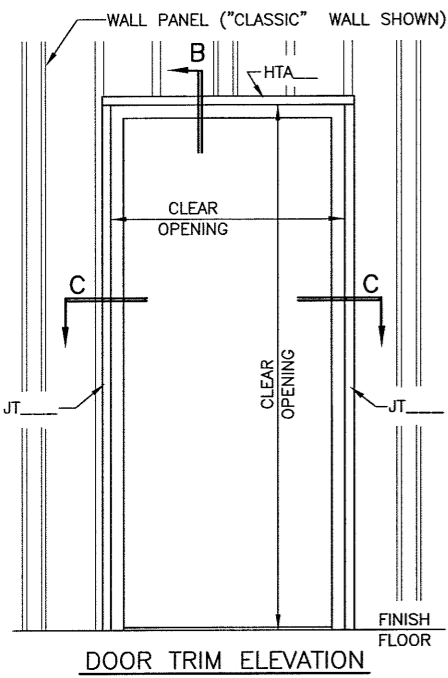
RHINO STEEL BUILDING SYSTEMS
4305 I-35 NORTH DENTON, TX 76207
PHONE: (940) 383-9566 (888) 320-7466
FAX: (940) 484-8746

QUINALT NATION
PROJECT NAME:
CUSTOMER: QUINALT NATION
POINT GRANDVILLE, WA
PACIFIC BEACH, WA

JOB NUMBER: U1208093A
SHEET NO: D4 of 6

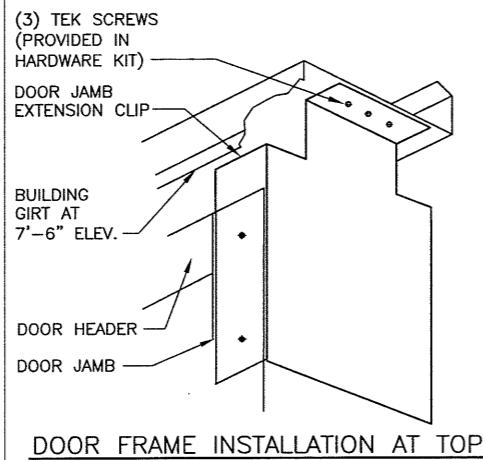
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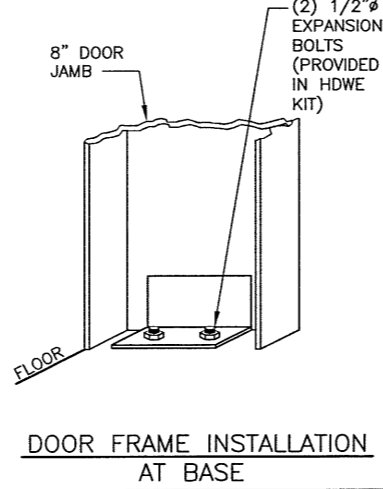


KNOCK DOWN DOOR ERECTION DETAILS

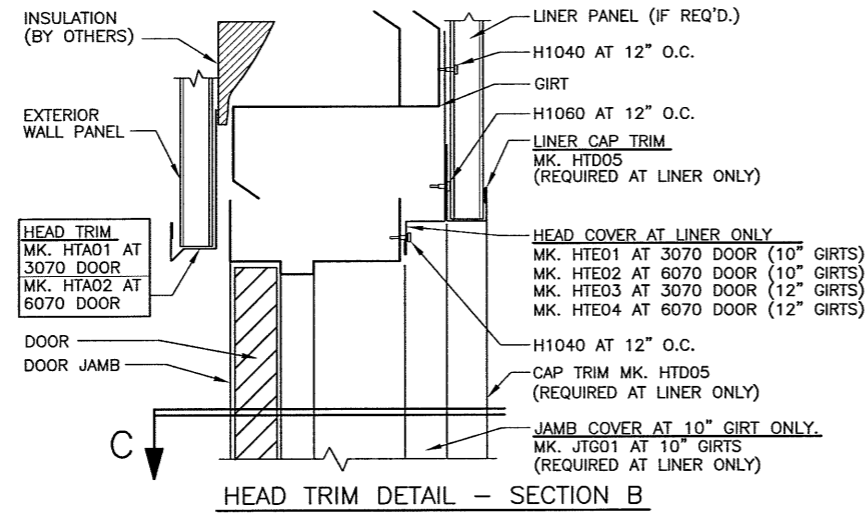
- 1) USE ONLY WHERE KNOCK DOWN DOORS ARE REQUIRED. SEE COVERSHEET (SHEET C1) FOR DOOR REQUIREMENTS.
- 2) FOLLOW DOOR AND FRAME ASSEMBLY INSTRUCTIONS PACKAGED WITH FRAME KIT.
- 3) HTA & JT TRIMS ARE FACTORY CUT TO LENGTH.



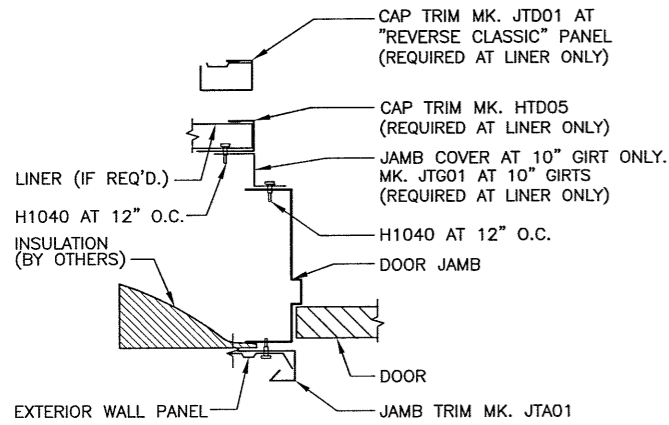
DOOR FRAME INSTALLATION AT TOP



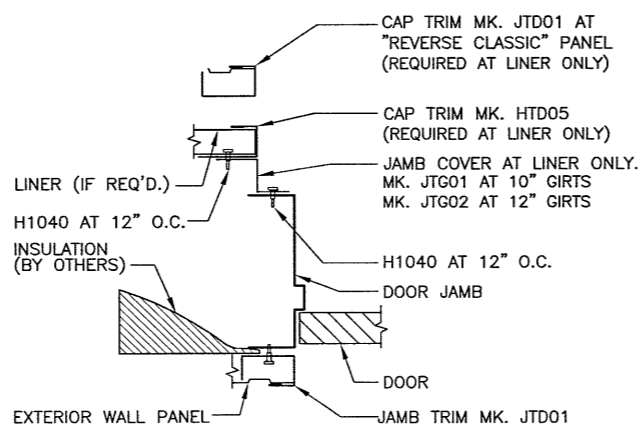
DOOR FRAME INSTALLATION AT BASE



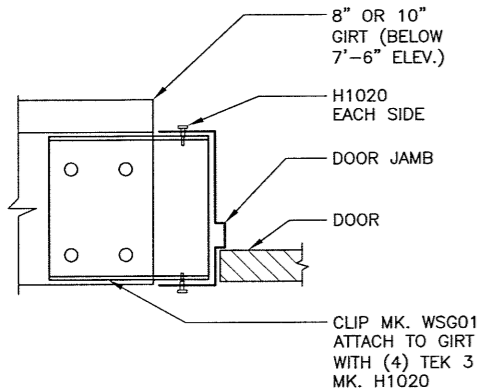
HEAD TRIM DETAIL - SECTION B



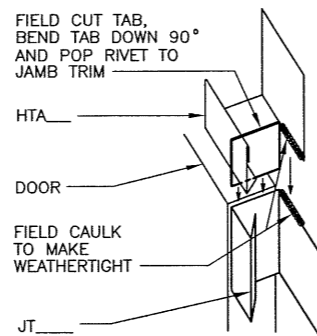
JAMB TRIM DETAIL - SECTION C
"CLASSIC" WALL OR "ACCENT" PANEL WITH "CLASSIC" WALL LINER



JAMB TRIM DETAIL - SECTION C
"REVERSE CLASSIC" WALL PANEL WITH "CLASSIC" WALL LINER



GIRT TO JAMB DETAIL
FIELD CUT GIRT TO LENGTH AS REQUIRED.



TRIM CORNER DETAIL
TOP RIGHT CORNER SHOWN

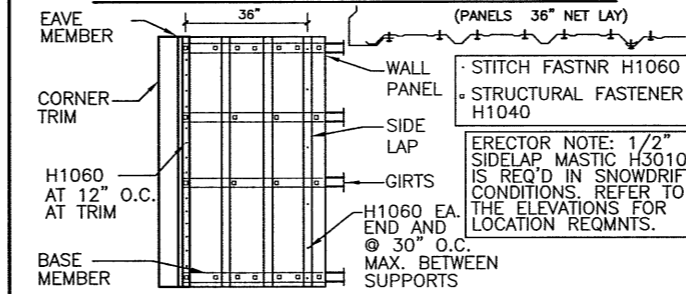
EMNOTE

PLEASE REFER TO THE ROOF AND WALL SHEETING ERECTION MANUALS FOR FURTHER ASSEMBLY INSTRUCTIONS.

STANDARD FASTENER SCHEDULE

H1000 17-14 x 1 1/4" WITH WASHER (SELF TAPPING)	H1060 12-14 x 3/4" SHARP POINT WITHOUT WASHER (SELF TAPPING)
H1020 1/4-14 x 1 1/4" TEK 3 WITHOUT WASHER (SELF DRILLING) 3/16" THICK DRILLING CAPACITY (MAX)	H1070 12-24 x 1 1/2" TEK 5 WITHOUT WASHER (SELF DRILLING) 1/2" THICK DRILLING CAPACITY (MAX)
H1030 12-14 x 1 1/4" WITH WASHER (SELF DRILLING)	H1080 11/32" x 1 1/4" WITH WASHER (GOOF SCREW) (SELF DRILLING)
H1040 12-14 x 1 1/4" TEK 2 WITHOUT WASHER (SELF DRILLING)	H1100 1/8" POP RIVET
H1045 12-14 x 2" WITHOUT WASHER (SELF DRILLING)	H1110 3/8" STAINLESS GROMMET FASTENER
H1050 12-14 x 3/4" SHARP POINT WITH WASHER (SELF TAPPING)	

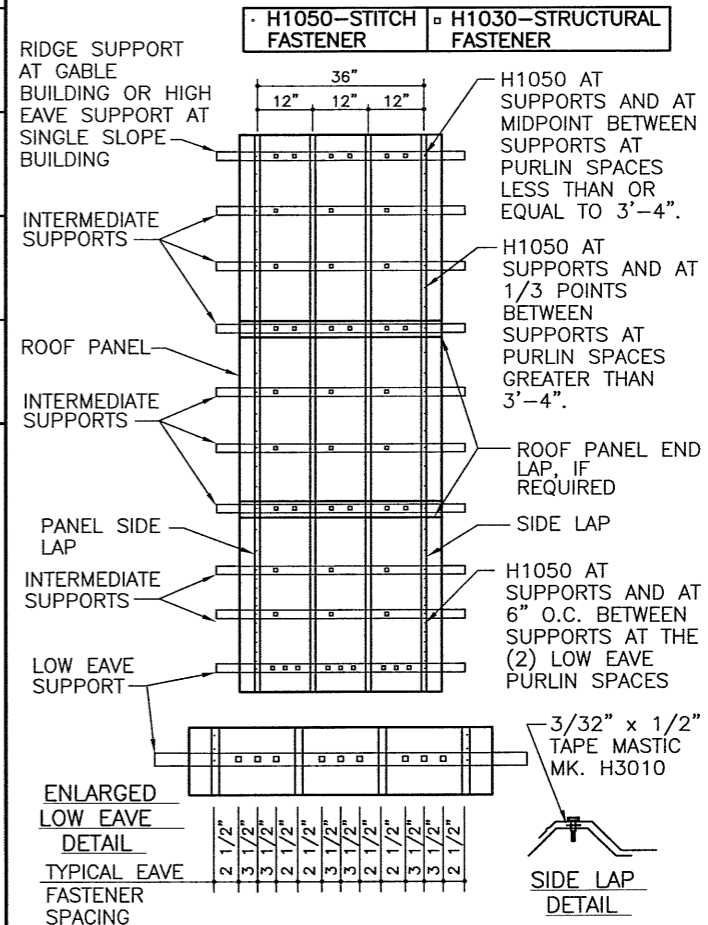
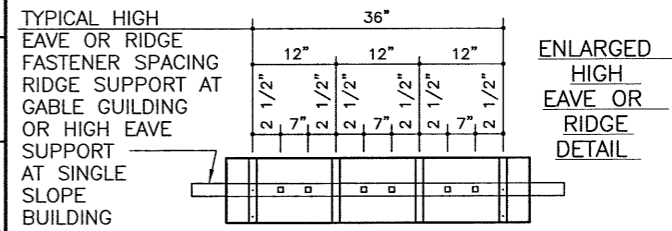
"CLASSIC PANEL" ERECTION NOTES



1. BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING PANEL ERECTION. MAINTAIN WOOD BLOCKING (NOT BY MBS) UNTIL PANEL TO STRUCTURAL FASTENERS ARE INSTALLED.
2. ALIGN AND PLUMB FIRST WALL PANEL.
3. TO PREVENT "OIL-CANNING", ALL PANEL FASTENERS SHOULD START FROM BASE MEMBER AND THEN BE SECURED TO EACH STRUCTURAL GIRT TOWARD THE EAVE.
4. FOUNDATION MUST BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.
5. ERECTION CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.
6. ERECTOR IS TO ERECT PANELS SO THAT SIDELAPS ARE AWAY FROM THE MAIN TRAFFIC AREA'S LINE OF SIGHT.
7. STORE PANELS PROPERLY TO PREVENT MOISTURE. SEE ERECTION MANUAL.

GA0051

DA0010



"CLASSIC" ROOF ERECTION NOTES

(PANELS 36" NET LAY)

DATE	6-1-12	6-1-12	6-8-12
P.E.	RSS	RSS	
ENG	TB	TB	TB
CHK	JL	JL	TOW
DWN	MBS	MBS	MBS
CONSTRUCTION ANCHOR BOLTS			
PERMIT DRAWINGS			
FINAL ERECTION DRAWINGS			

RHINO STEEL BUILDING SYSTEMS

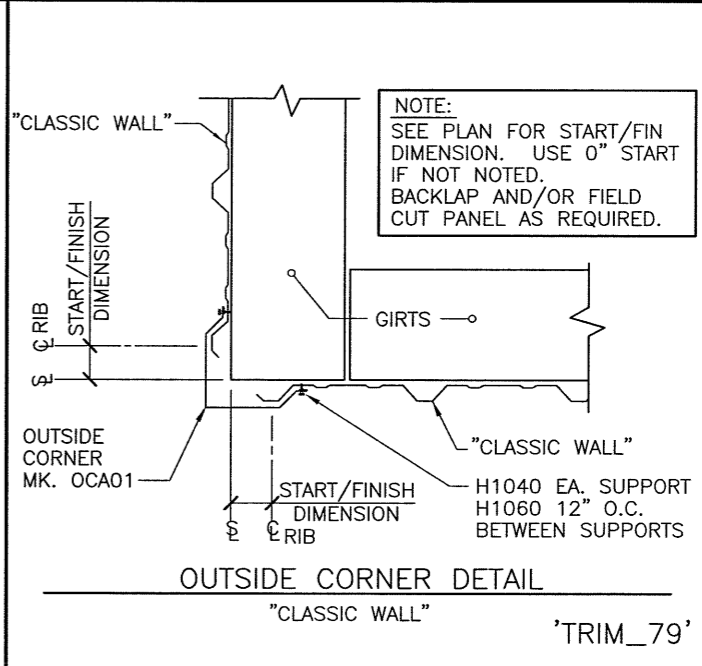
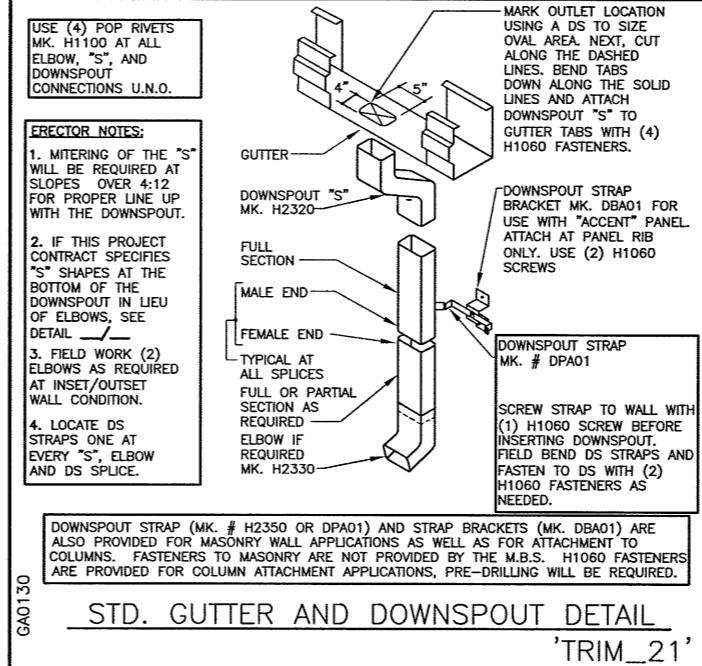
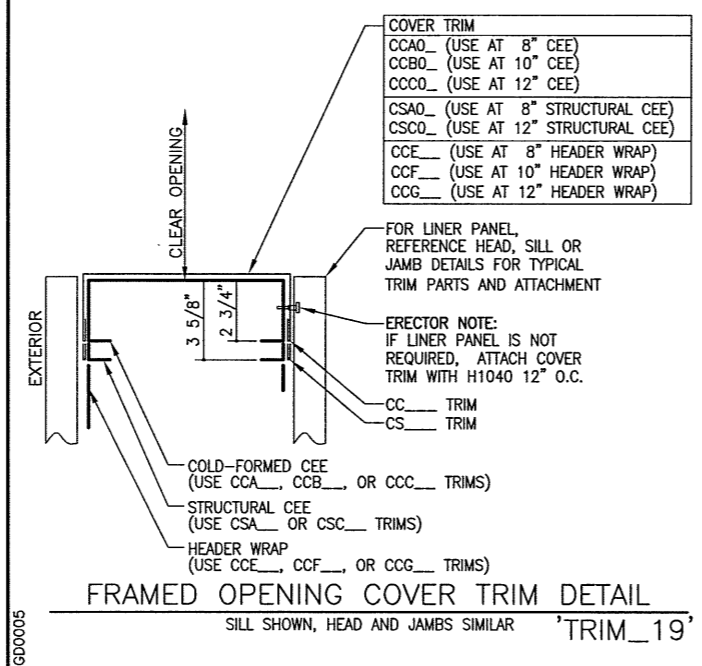
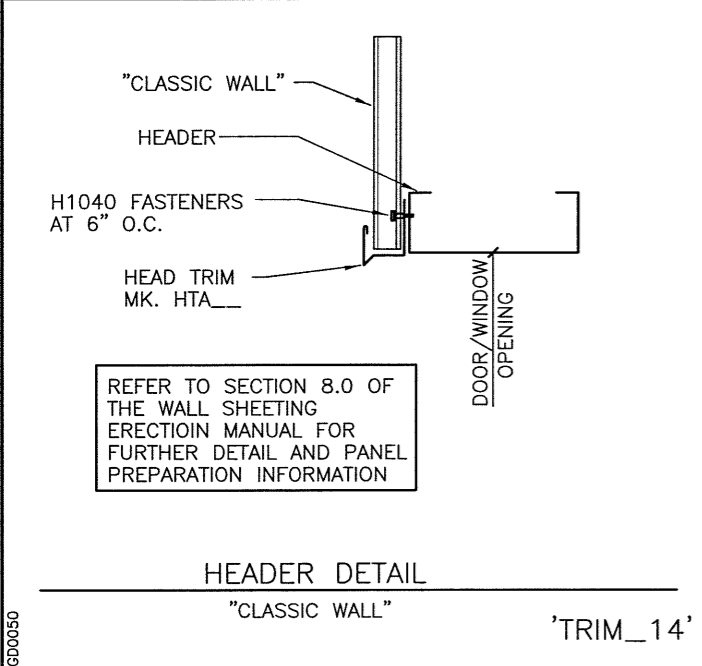
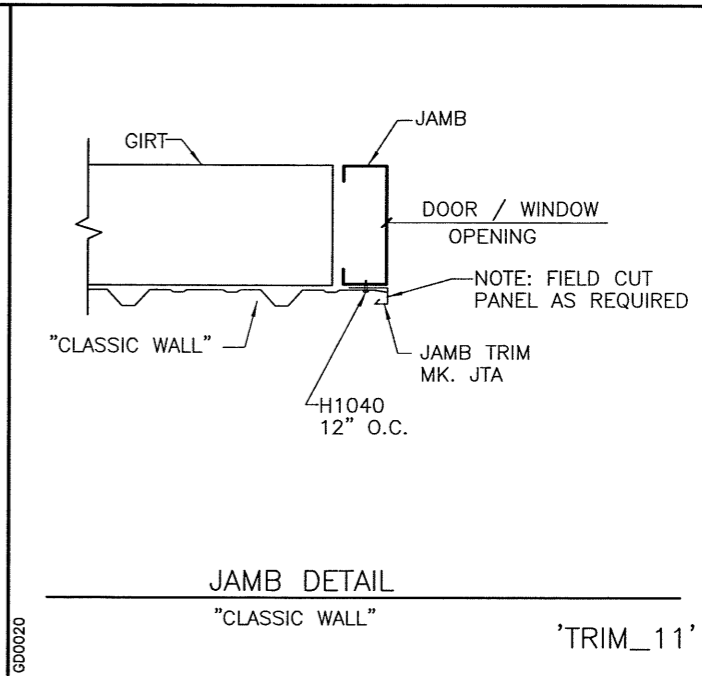
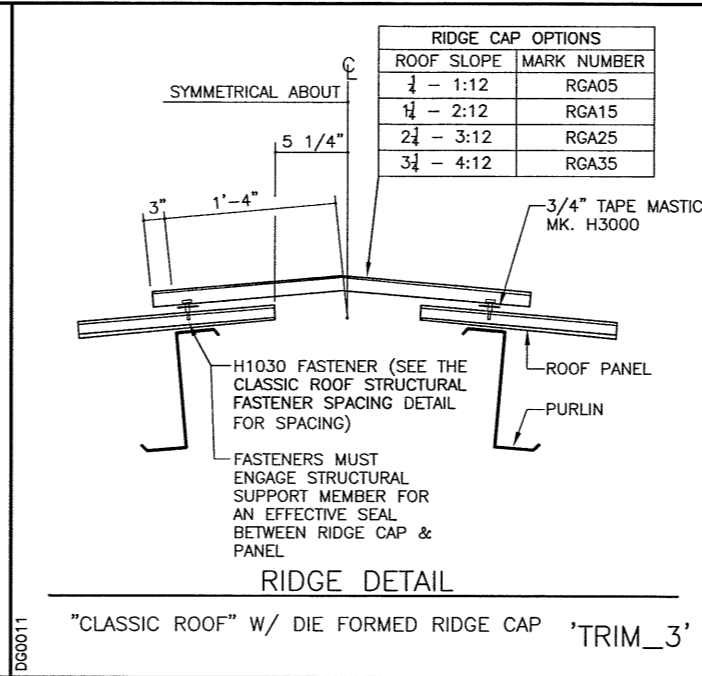
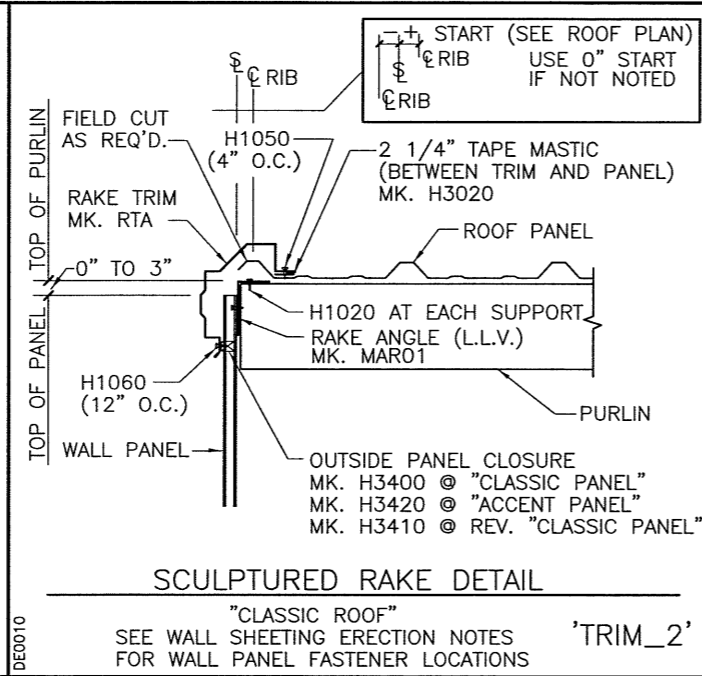
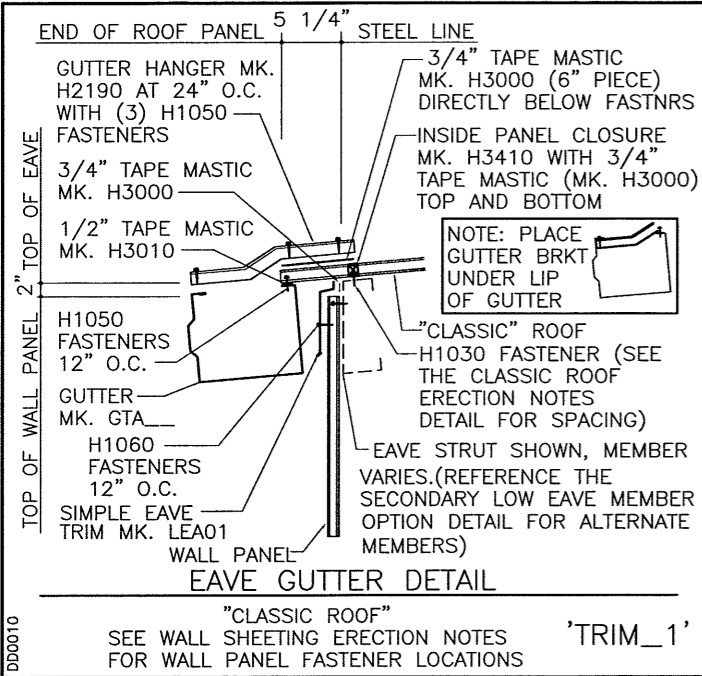
4305 I-35 NORTH DENTON, TX 76207
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PROJECT NAME: QUINALT NATION
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POINT GRANDVILLE, WA
PACIFIC BEACH, WA

JOB NUMBER: U1208093A

SHEET NO: D5 of 6

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DATE	P.E.	ENG.	CHK.	DWN.	ISSUE
6-1-12	RRS	TB	JL	MBS	CONSTRUCTION ANCHOR BOLTS
6-1-12	RRS	TB	JL	MBS	PERMIT DRAWINGS
6-8-12				MBS	FINAL ERECTION DRAWINGS

RHINO STEEL BUILDING SYSTEMS

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DENTON, TX 76207

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PROJECT NAME: QUINALT NATION

POINT GRANDVILLE, WA

CUSTOMER: QUINALT NATION

PACIFIC BEACH, WA

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SHEET NO: D6 of 6

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