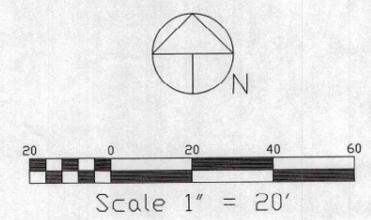
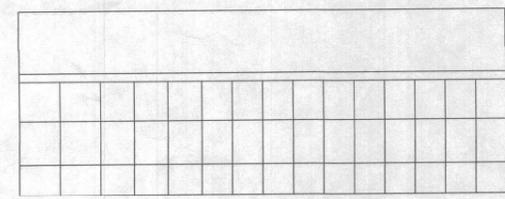


VICINITY MAP
1"=1000'

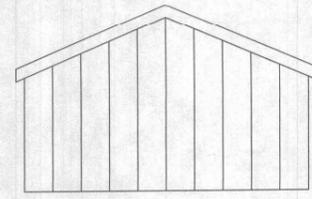


SITE DEVELOPMENT PLAN

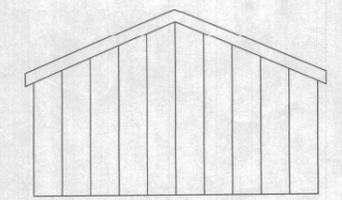
OWNER: Richard Graycowski
 Telephone: 719-235-7215
 Address: 208 Summerhaven Drive
 Woodland Park, CO 80803
 APPLICANT: Oliver E. Watts, Consulting Engineer
 719-593-0173
 OllieWatts@aol.com
 PLAN PREPARER: Oliver E. Watts, Consulting Engineer
 719-593-0173
 OllieWatts@aol.com
 PROPERTY ADDRESS: 8615 U.S. Highway 24
 Cascade, CO 80909
 LEGAL DESCRIPTION: A tract in the Southwest quarter of the Southeast quarter of Section 15, Township 13 South, Range 68 West of the 6th P.M. described as follows: Commencing at the Southwest quarter of said Southwest quarter of the Southeast quarter; Thence N42°42'E, 853.3' to a point on the Westerly right of way of Highway 24 for the Point of Beginning; Thence N44°41'W on said Westerly right of way, 160 feet; Thence S40°19'E 160 feet; Thence S44°41'E, 160 feet; Thence N45°19'E, 120 feet to the Point of Beginning, and containing 19,200 Square Feet, (0.441 Acre).
 LOT/PARCEL SIZE: 0.441 Acre
 LOT COVERAGE: Existing Buildings: 1595 SF
 Proposed Building: 1440 SF
 Total Buildings: 3035 SF 15.8%
 LAND USE: Existing Residential
 Proposed: Work Shop / Garage
 Zoning: CC
 ASSESSOR'S PARCEL NO: 83154 00 024



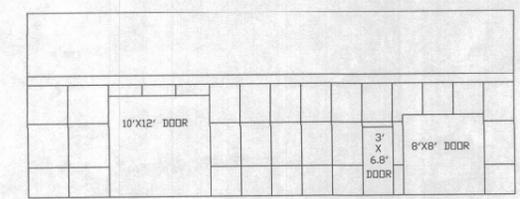
REAR



LEFT



RIGHT



FRONT
BUILDING ELEVATIONS

1/8"=1'-0"

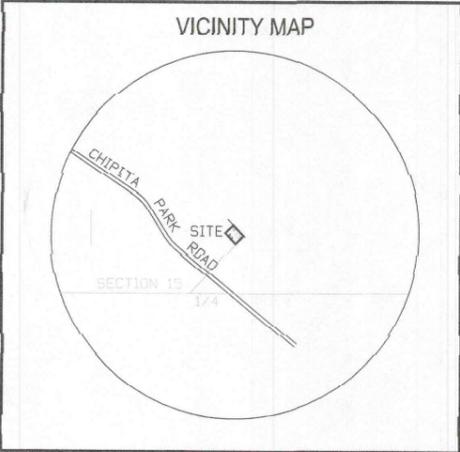
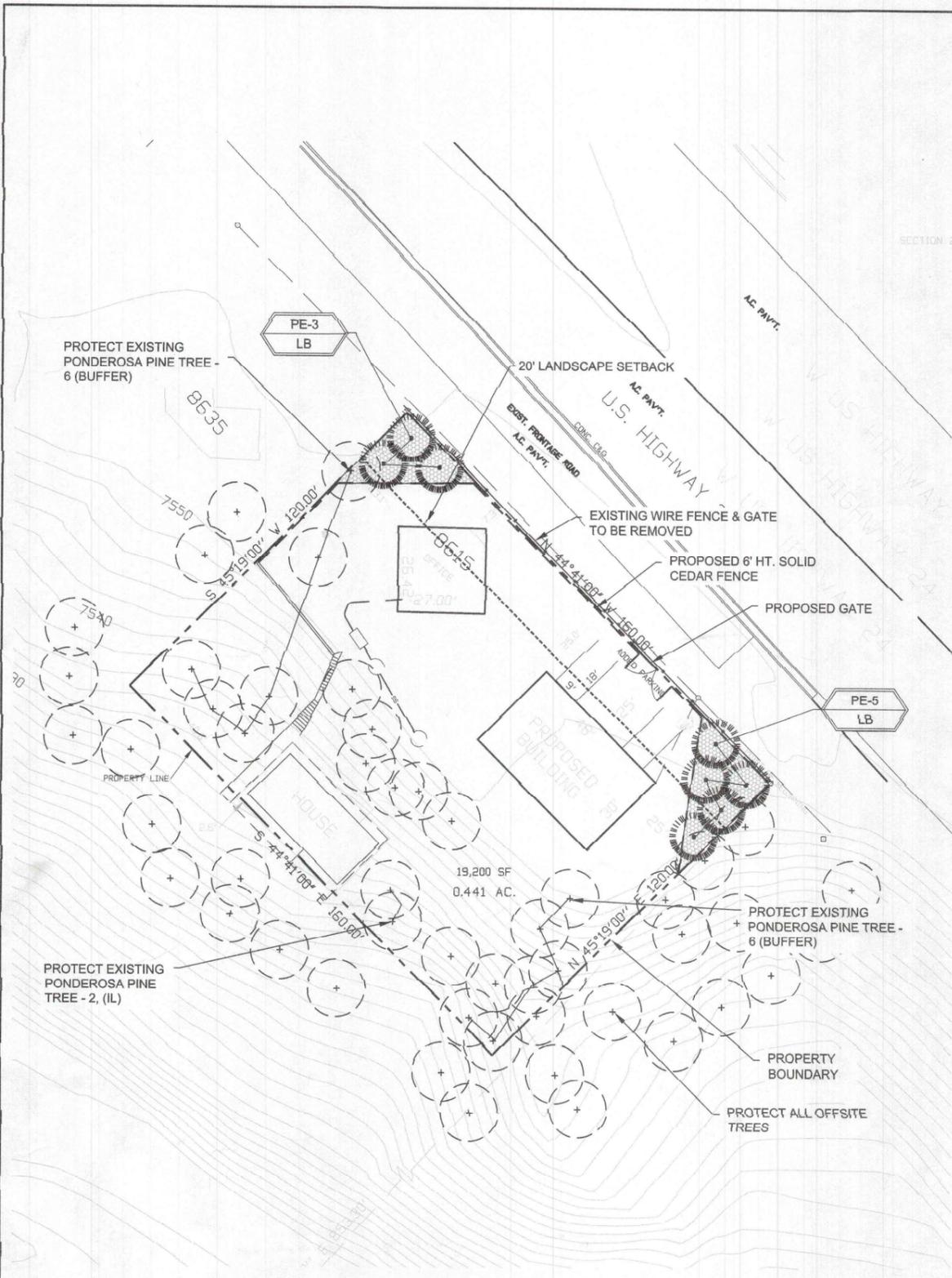
Approved
 By: *Justin Kilgore*
 Planning Manager
 Date: 03/06/2023
 El Paso County Planning & Community Development



PCD FILE NO. PPR-22-051

PPR 2251

DRAWN BY: D.E. WATTS DATE: 5-11-22 DWG. NO.: 22-5794-02 SURVEYED BY:	APPROVED BY: PROJ. NO. DWG.	REVISIONS	OLIVER E. WATTS CONSULTING ENGINEER COLORADO SPRINGS	PROJECT 8615 HIGHWAY 24 PART SEC. 15, T.13S., R.68W. 6TH P.M. EL PASO COUNTY	SHEET NAME SITE DEVELOPMENT PLAN 1 OF 1
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- ### GENERAL SITE NOTES
- CONTRACTOR RESPONSIBLE FOR COORDINATING AND INSTALLING ALL SLEEVING REQUIRED FOR SITE CONSTRUCTION INCLUDING BUT NOT LIMITED TO DRAINAGE, IRRIGATION, LIGHTING, AND ELECTRICAL. COORDINATE WITH GENERAL CONTRACTOR.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS AND ELEVATIONS. ESPECIALLY AT CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR ALL APPLICABLE AGENCIES.
 - ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH LOCAL STANDARDS AND SPECIFICATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE APPROPRIATE GOVERNING AGENCIES.
 - THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED CONSTRUCTION DOCUMENTS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.
 - ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS TRACKED FROM THE SITE.

CODE REQUIREMENTS

LANDSCAPE SETBACKS (LS)					
STREET NAME OR ZONE BOUNDARY (ELEV.)	STREET CLASSIFICATION	WIDTH (FT.) REQ./PROV.	LINEAR FOOTAGE	TREE/FEET REQUIRED	NO. OF TREES REQ./PROV.
Hwy 24	MAJOR ARTERIAL	20/20 FT	160 LF	1/20 FT	8/8

MOTOR VEHICLE LOTS (MV)			
NO. OF VEHICLE SPACES PROVIDED	SHADE TREES (1/8 SPACES) REQ./PROV.	VEHICLE LOT FRONTAGE(S)	2/3 LENGTH OF FRONTAGE (FT)
2	1/8 (ALTERNATE)	30'	20'

INTERNAL LANDSCAPING (IL)			
INTERNAL LANDSCAPE AREA INCLUDES ALL LANDSCAPE AREAS NOT INCLUDING SETBACKS, BUFFERS OR MOTOR VEHICLE ISLANDS.			
NET SITE AREA (SF) (LESS PUBLIC ROW)	PERCENT MINIMUM INTERNAL AREA (%)	INTERNAL AREA (SF) REQ./PROV.	INTERNAL TREES (1/800 SF) (EXCLUDING DRIVEWAYS)
19,200 SF	NON-RESIDENTIAL	56.6/1000	2/2 EXISTING

LANDSCAPE BUFFERS AND SCREENS (LB)			
STREET NAME OR PROPERTY LINE (ELEV.)	LINEAR FOOTAGE	SETBACK BUFFER (FT) REQ. / PROV.	BUFFER TREES (1/20') REQ./PROV.
NORTH WEST BOUNDARY	100 LF	5'/8'	6/6 EXISTING PINE TREE
SOUTH EAST BOUNDARY	100 LF	5'/8'	6/6 EXISTING PINE TREE

PLANT SCHEDULE

Symbol	Abbr.	Quantity	Botanical Name	Common Name	Mature Width/Ht.	Planting Size
	PE	8	Transplanted from owner property	Ponderosa Pine or Douglas Fir	20'x45'	6' Ht.

GROUND COVER LEGEND

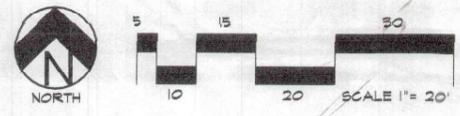
SYMBOL	DESCRIPTION	APPROX. SF
	Denver Granite Rock: 1.5" Diameter (with weed barrier) OR Owner approved equal	1,079 SF

IRRIGATION NOTE
NOTE: OWNER WILL HAND WATER ALL PLANT MATERIAL FOR ESTABLISHMENT AND TO MAINTAIN HEALTHY PLANTS.

DOCUMENT NOTE
RESPECTIVE OF ANY OTHER TERM IN THIS DOCUMENT, LANDSCAPE ARCHITECT SHALL NOT CONTROL OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SCHEDULES, SEQUENCES OR PROCEDURES, OR FOR CONSTRUCTION SAFETY OR ANY OTHER RELATED PROGRAMS, OR FOR ANOTHER PARTY'S ERRORS OR OMISSIONS OR FOR ANOTHER PARTY'S FAILURE TO COMPLETE THEIR WORK OR SERVICES IN ACCORDANCE WITH LANDSCAPE ARCHITECT'S DOCUMENTS.

UTILITIES NOTE
VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO START OF WORK. CALL 811 FOR UTILITY LOCATES. TREE TRUNK PLACEMENT SHALL BE 6" MINIMUM DISTANCE FROM ANY GAS OR ELECTRIC AND 10' FROM GAS MAINS RATED AT 150PSI. FOR SANITARY SEWER AND WATER MAINS, TREES SHALL NOT BE LOCATED WITHIN EASEMENTS AND WITHIN 15' OF ANY MAINLINE. ANY CONFLICT BETWEEN TREE LOCATIONS AND UTILITIES SHOWN ON PLANS SHALL BE RESOLVED WITH GENERAL CONTRACTOR PRIOR TO PLANTING. ALL ELECTRICAL VAULTS AND TRANSFORMERS SHALL BE KEPT CLEAR FROM PLANT MATERIAL PER COLORADO SPRINGS UTILITIES GUIDELINES "LANDSCAPING AROUND ELECTRICAL EQUIPMENT". SEE COLORADO SPRINGS UTILITIES CONSTRUCTION STANDARD DRAWINGS 18-302 FOR SPECIFIC CLEARANCE REQUIREMENTS. ALL SHRUBS TO BE LOCATED 3' CLEAR OF ALL FIRE HYDRANTS AT MATURE SIZE.

ALTERNATE LANDSCAPE PLAN



HIGHER GROUND DESIGNS, INC.
LANDSCAPE ARCHITECTURE, PLANNING & IRRIGATION DESIGN
5350 NORTH ACADEMY BLVD., STE. 207
COLORADO SPRINGS, CO 80918
Phone 719-477-1648
Fax 719-586-1122



8615 HIGHWAY 24
EL PASO COUNTY, CO

PREPARED FOR:

NOT FOR CONSTRUCTION

JOB NUMBER	1119-23
REVISIONS	
ORIGINAL DATE	2-7-23
DRAWN BY	
DESCRIPTION	LANDSCAPE PLAN
SHEET NO.	L1.1

For Approval Only

INSTALLATION NOTES

REMOVE EXISTING TREES, DEBRIS AND WEEDS FROM SITE PRIOR TO CONSTRUCTION (AS SHOWN PER PLAN).

LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SITE DURING CONSTRUCTION. WEEDS AND TRASH SHALL BE REMOVED DAILY AS REQUIRED.

EXISTING TOPSOIL TO BE STOCKPILED ON-SITE AND USED DURING CONSTRUCTION TO ESTABLISH GRADES WITHIN LANDSCAPE AREAS AS SHOWN PER PLAN.

CONTRACTOR SHALL REFER TO ASSOCIATED LANDSCAPE CONTRACTORS OF COLORADO HANDBOOK (ALCC), 2007 REVISED EDITION FOR ALL CONSTRUCTION FOR THIS SITE. CONTACT OWNER/LANDSCAPE ARCHITECT FOR QUESTIONS.

QUANTITIES SHOWN IN PLANT SCHEDULE ARE FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PLANT MATERIAL PER PLAN.

GROUND COVER SHALL BE CONTINUOUS UNDER ALL SHRUBS THROUGHOUT PROJECT SITE.

TREES AND SHRUBS TO RECEIVE ORGANIC MULCH PER DETAILS, INCLUDING ROCK AREAS-SEE DETAILS. ORGANIC MULCH TO BE CASCADE CEDAR WITH NO LANDSCAPE WEED BARRIER.

DO NOT PLANT SHRUBS OR TREES OF INCOMPATIBLE WATER REQUIREMENTS IMMEDIATELY ADJACENT TO ONE ANOTHER.

PLANT BACKFILL SHALL BE 70% NATIVE ON-SITE SOIL, AND 30% BREW-GRO BIOCOMP CLASS 1 COMPOST.

A REPRESENTATIVE SAMPLE OF THE BOTANICAL NAME TAGS, FURNISHED BY THE NURSERY STOCK PROVIDER SHALL REMAIN ATTACHED TO THE PLANTS UNTIL FINAL INSPECTION.

LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IF STORM DRAINAGE FROM ADJACENT LANDSCAPE AREAS OR BUILDING DOWNSPOUTS WILL ADVERSELY AFFECT LANDSCAPED AREAS PER THE PLAN.

PRIOR TO INSTALLING PLANTS IN PLANTING BEDS BROADCAST PREEMERGENT WEED PREVENTER IN ALL PLANTING AREAS PER MANUFACTURE RECOMMENDATIONS. WWW.PSEEN.COM

SOIL PREP NOTES

SOIL PREPARATION FOR UNDISTURBED AND/OR COMPACTED AREAS:

A. RIP EXISTING SOIL TO A DEPTH OF NINE (9) INCHES MINIMUM IN ONE DIRECTION USING AN AGRICULTURAL RIPPER WITH TINES SPACED NO FURTHER THAN EIGHTEEN (18) INCHES APART OR TILL TO 6" DEPTH. AREAS ADJACENT TO WALKS, STRUCTURES, CURBS, ETC., WHERE THE USE OF LARGE MECHANICAL EQUIPMENT IS DIFFICULT SHALL BE WORKED WITH SMALLER EQUIPMENT OR BY HAND.

B. REMOVE ALL RUBBLE, STONES AND EXTRANEIOUS MATERIAL OVER TWO (2) INCHES IN DIAMETER FROM THE SITE.

C. FOR TREE LOCATIONS EXCAVATE TO 36" DEPTH AND REPLACE WITH MINIMUM GRADE B TOPSOIL.

FIRE SIGNAGE NOTE

ANY VEGETATION THAT MAY GROW TO OR IMMEDIATELY OBSTRUCT ANY FIRE LANE SIGNAGE WILL BE PLANTED IN SUCH A WAY TO PREVENT ANY FUTURE OBSTRUCTION OF SUCH SIGNAGE OR THE VEGETATION PLANTED ADJACENT TO SUCH SIGNAGE WILL NOT BE VEGETATION THAT WILL GROW OR IMMEDIATELY OBSTRUCT SUCH SIGNAGE.

MAINTENANCE NOTE

ON-GOING MAINTENANCE DURING CONSTRUCTION:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ON-GOING MAINTENANCE OF ALL COMPLETED LANDSCAPE AND IRRIGATION WORK AS DEFINED UNDER CONTRACT WITH OWNER.

BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL LANDSCAPE WORK IS COMPLETED, ACCEPTED BY OWNER, AND IF REQUESTED A FORMAL MAINTENANCE PERIOD IS INITIATED. MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGARDING, REPLANTING AS REQUIRED THROUGH CONSTRUCTION PERIOD. REMULCH WITH NEW MULCH IN AREAS WHERE MULCH HAS BEEN DISTURBED BY CONSTRUCTION OPERATIONS SUFFICIENTLY TO NULLIFY ITS PURPOSE. CONTRACTOR SHALL REPAIR SEEDED AREAS DAMAGED BY TRAFFIC AND/OR VANDALISM DURING THE CONSTRUCTION PERIOD.

IF THE IRRIGATION SYSTEM IS NOT AVAILABLE FOR PROPER WATERING AT THE TIME OF INSTALLATION, PROVIDE AND MAINTAIN TEMPORARY PIPING, HOSES, AND LAWN WATERING EQUIPMENT AS REQUIRED TO CONVEY WATER FROM SOURCES AND TO KEEP THE LAWN AREAS UNIFORMLY MOIST AS REQUIRED FOR PROPER GROWTH. FAILURE OF THE IRRIGATION SYSTEM SHALL NOT RELIEVE THE INSTALLER OF THE RESPONSIBILITY TO PROVIDE THE REQUIRED WATER. COORDINATE WITH OWNER.

ONE-YEAR WARRANTY

AS AGREED WITH OWNER CONTRACTOR SHALL PROVIDE ONE-YEAR WARRANTY ON ALL PLANT MATERIAL, GRASSES AND IRRIGATION SYSTEM.

REPLACEMENT OF DEAD, DISEASED OR SUBSTANTIALLY DAMAGED PLANT MATERIALS SHALL BE OF THE SAME OR SIMILAR TYPE AS SET FORTH IN THE LANDSCAPE PLAN. REPLACEMENT SHALL BE MADE IN A TIME PERIOD NOT EXCEEDING 15 DAYS. PLANT MATERIAL NEEDING REPLACEMENT DURING WINTER MONTHS SHALL BE REPLACED AT THE START OF THE NEXT GROWING SEASON.

THE OWNER OF THIS PROPERTY AND ANY FUTURE OWNERS SHALL BE RESPONSIBLE FOR THE PROPER LANDSCAPE AND IRRIGATION SYSTEM MAINTENANCE OF THIS SITE AND ANY RIGHT-OF-WAY AREAS BETWEEN THE CURB AND PROPERTY BOUNDARIES OF THIS SITE. MAINTENANCE OF THIS INCLUDES, BUT IS NOT LIMITED TO, IRRIGATION INSPECTIONS AND ADJUSTMENTS, IRRIGATION SYSTEM SHUT DOWN AND START UP, IRRIGATION LEAK REPAIR, LANDSCAPE WEEDING, MOWING, SEEDING, FERTILIZING, WOOD MULCH AND ROCK ADDITIONS, PRUNING AND PLANT MATERIAL REPLACEMENTS. ALL MAINTENANCE SHALL BE DONE IN ACCORDANCE WITH THE ALCC SPECIFICATIONS HANDBOOK REV EDITION 2007. OWNER SHOULD CONTACT LANDSCAPE CONTRACTOR OR LANDSCAPE ARCHITECT REGARDING ANY QUESTIONS RELATING TO THE LANDSCAPE OR IRRIGATION SYSTEM.

GRADE NOTE

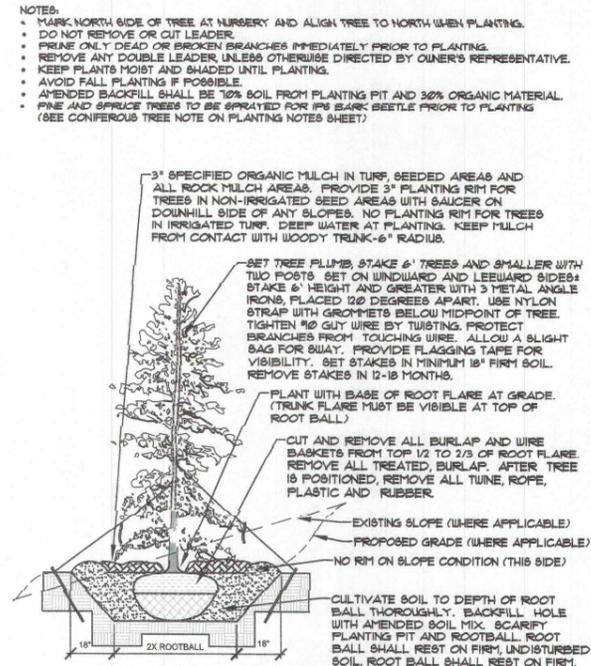
GRADE SHALL BE ESTABLISHED BASED ON GRADING PLAN BY OTHERS, AND FOR LANDSCAPE MATERIALS PER PLAN. SOIL GRADE AT 2-4" DIAMETER AREAS SHALL BE 3" BELOW TOP OF SIDEWALK/CURB/PAVING. AT 3-4" DIAMETER ROCK MULCH AREAS GRADE SHALL BE 3" BELOW SIDEWALK/CURB/PAVING.

UTILITIES NOTE

VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO START OF WORK. CALL 811 FOR UTILITY LOCATES. TREE TRUNK PLACEMENT SHALL BE 6" MINIMUM DISTANCE FROM ANY GAS OR ELECTRIC AND 10' FROM GAS MAINS RATED AT 150PSI. FOR SANITARY SEWER AND WATER MAINLINES TREES SHALL NOT BE LOCATED WITHIN EASEMENTS AND WITHIN 15' OF ANY MAINLINE. ANY CONFLICT BETWEEN TREE LOCATIONS AND UTILITIES SHOWN ON PLANS SHALL BE RESOLVED WITH GENERAL CONTRACTOR PRIOR TO PLANTING. ALL ELECTRICAL WALLETS AND TRANSFORMERS SHALL BE KEPT CLEAR FROM PLANT MATERIAL PER COLORADO SPRINGS UTILITIES GUIDELINES "LANDSCAPING AROUND ELECTRICAL EQUIPMENT". SEE COLORADO SPRINGS UTILITIES CONSTRUCTION STANDARD DRAWINGS 18-302 FOR SPECIFIC CLEARANCE REQUIREMENTS. ALL SHRUBS TO BE LOCATED 3' CLEAR OF ALL FIRE HYDRANTS AT MATURE SIZE.

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(A) EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE

- NOTES:
- MARK NORTH SIDE OF TREE AT NURSERY AND ALIGN TREE TO NORTH WHEN PLANTING.
 - DO NOT REMOVE OR CUT LEADER.
 - PRUNE ONLY DEAD OR BROKEN BRANCHES IMMEDIATELY PRIOR TO PLANTING.
 - REMOVE ANY DOUBLE LEADER, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.
 - KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.
 - AVOID FALL PLANTING IF POSSIBLE.
 - AMENDED BACKFILL SHALL BE 70% SOIL FROM PLANTING PIT AND 30% ORGANIC MATERIAL.
 - PINE AND SPRUCE TREES TO BE SPRAYED FOR IPS BARK BEETLE PRIOR TO PLANTING (SEE CONIFEROUS TREE NOTE ON PLANTING NOTES SHEET)

HIGHER GROUND DESIGNS, INC.
LANDSCAPE ARCHITECTURE, PLANNING & IRRIGATION DESIGN

5350 NORTH ACADEMY BLVD., STE. 207
COLORADO SPRINGS, CO 80918
Phone: 719-584-1122
Fax: 719-584-1122



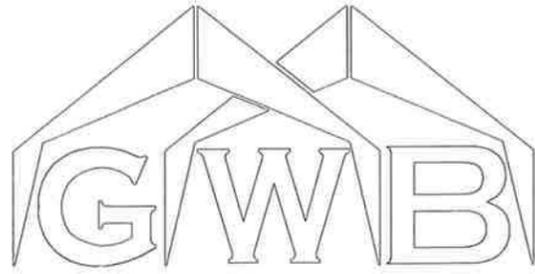
8615 HIGHWAY 24
EL PASO COUNTY, CO

THESE DRAWINGS ARE THE PROPERTY OF HIGHER GROUND DESIGNS, INC. AND SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION BY HIGHER GROUND DESIGNS, INC. THESE DRAWINGS ARE FOR APPROVAL ONLY.

PREPARED FOR:

For Approval Only

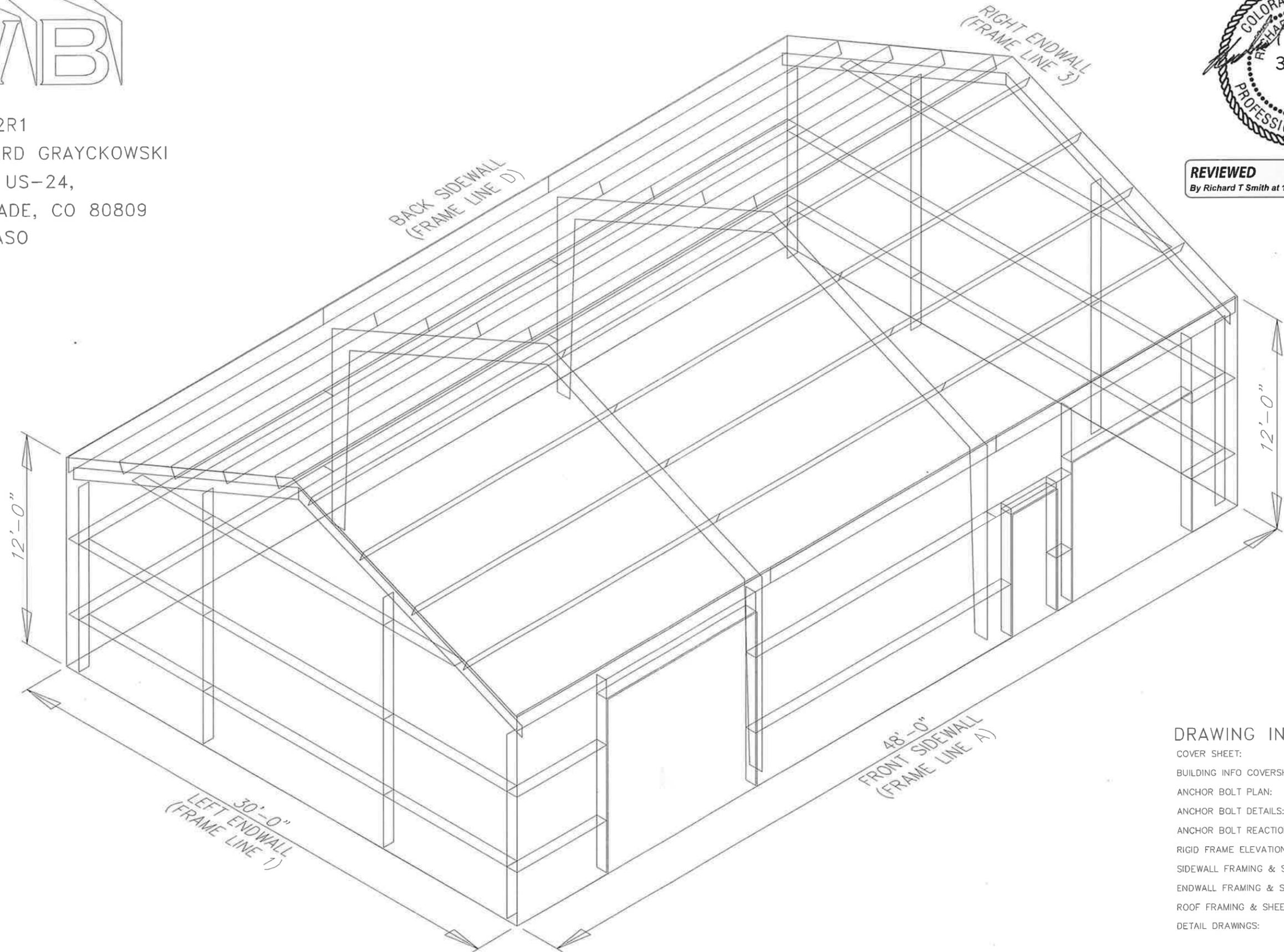
NOT FOR CONSTRUCTION	JOB NUMBER	1119-23
	REVISIONS	
	ORIGINAL DATE	2-7-23
	DRAWN BY	JM
	DESCRIPTION	LANDSCAPE DETAILS
	SHEET NO.	L1.2



JOB NUMBER: 93452R1
 PROJECT NAME: RICHARD GRAYCKOWSKI
 PROJECT LOCATION: 8615 US-24,
 PROJECT LOCATION: CASCADE, CO 80809
 PROJECT COUNTY: EL PASO



REVIEWED
 By Richard T Smith at 1:49 pm, Jan 27, 2022



DRAWING INDEX

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BUILDING INFO COVERSHEET:	2
ANCHOR BOLT PLAN:	3
ANCHOR BOLT DETAILS:	4
ANCHOR BOLT REACTIONS:	5
RIGID FRAME ELEVATION(S):	6
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ENDWALL FRAMING & SHEETING:	9, 10
ROOF FRAMING & SHEETING PLAN:	11
DETAIL DRAWINGS:	12, 13, 14, 15, 16

GENERAL NOTES

1.1	FABRICATION SHALL BE IN ACCORDANCE WITH METAL BUILDING SUPPLIER, STANDARD PRACTICES IN COMPLIANCE WITH THE APPLICABLE SECTIONS, RELATING TO DESIGN REQUIREMENTS AND ALLOWABLE STRESSES OF THE LATEST EDITION OF THE "AWS STRUCTURAL WELDING CODE D1.1 AND D1.3".																																																
1.2	<table border="1"> <thead> <tr> <th>MATERIALS</th> <th>ASTM DESIGNATION</th> <th>MIN. YIELD STRENGTH</th> </tr> </thead> <tbody> <tr> <td>HOT ROLLED STEEL SHAPES (W, & C)</td> <td>A572</td> <td>Fy = 50 KSI</td> </tr> <tr> <td>HOT ROLLED STEEL ANGLES (L)</td> <td>A36</td> <td>Fy = 36 KSI</td> </tr> <tr> <td>STEEL PIPES</td> <td>A500</td> <td>Fy = 42 KSI</td> </tr> <tr> <td>STRUCTURAL TUBING</td> <td>A500</td> <td>Fy = 42 KSI</td> </tr> <tr> <td>STRUCTURAL STEEL WEB PLATE</td> <td>A572/A1011</td> <td>Fy = 50 KSI</td> </tr> <tr> <td>STRUCTURAL STEEL FLANGE PLATES/BARS</td> <td>A529/A572</td> <td>Fy = 55 KSI</td> </tr> <tr> <td>COLD FORMED LIGHT GAGE</td> <td>A653/A1011</td> <td>Fy = 55 KSI</td> </tr> <tr> <td>ROOF & WALL SHEETS</td> <td>A792/A653</td> <td>Fy = 50, 80 KSI</td> </tr> <tr> <td>CABLE BRACE</td> <td>A475 - TYPE 1</td> <td>EXTRA HIGH STRENGTH</td> </tr> <tr> <td>ROD BRACE</td> <td>A36</td> <td>Fy = 36 KSI</td> </tr> <tr> <td></td> <td></td> <th>MIN. TENSILE STRENGTH</th> </tr> <tr> <td>MACHINE BOLTS & NUTS</td> <td>A307</td> <td>Fu = 60 KSI</td> </tr> <tr> <td>HIGH STRENGTH BOLTS (1" & LESS)</td> <td>A325-TYPE 1</td> <td>Fu = 120 KSI</td> </tr> <tr> <td>HIGH STRENGTH BOLTS (>1" TO 1 1/2")</td> <td>A325-TYPE 1</td> <td>Fu = 105 KSI</td> </tr> <tr> <td>ANCHOR BOLTS (NOT SUPPLIED BY M.B.S.)</td> <td>A36/A307/F1554</td> <td>Fu = 60 KSI</td> </tr> </tbody> </table>	MATERIALS	ASTM DESIGNATION	MIN. YIELD STRENGTH	HOT ROLLED STEEL SHAPES (W, & C)	A572	Fy = 50 KSI	HOT ROLLED STEEL ANGLES (L)	A36	Fy = 36 KSI	STEEL PIPES	A500	Fy = 42 KSI	STRUCTURAL TUBING	A500	Fy = 42 KSI	STRUCTURAL STEEL WEB PLATE	A572/A1011	Fy = 50 KSI	STRUCTURAL STEEL FLANGE PLATES/BARS	A529/A572	Fy = 55 KSI	COLD FORMED LIGHT GAGE	A653/A1011	Fy = 55 KSI	ROOF & WALL SHEETS	A792/A653	Fy = 50, 80 KSI	CABLE BRACE	A475 - TYPE 1	EXTRA HIGH STRENGTH	ROD BRACE	A36	Fy = 36 KSI			MIN. TENSILE STRENGTH	MACHINE BOLTS & NUTS	A307	Fu = 60 KSI	HIGH STRENGTH BOLTS (1" & LESS)	A325-TYPE 1	Fu = 120 KSI	HIGH STRENGTH BOLTS (>1" TO 1 1/2")	A325-TYPE 1	Fu = 105 KSI	ANCHOR BOLTS (NOT SUPPLIED BY M.B.S.)	A36/A307/F1554	Fu = 60 KSI
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ANCHOR BOLTS (NOT SUPPLIED BY M.B.S.)	A36/A307/F1554	Fu = 60 KSI																																															

1.3 **PRIMER**
SHOP PRIMER PAINT IS A RUST INHIBITIVE PRIMER WHICH MEETS THE END PERFORMANCE OF FEDERAL SPECIFICATION SSPC NO. 15 AND IS GRAY OXIDE IN COLOR. THIS PAINT IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS. METAL BUILDING SUPPLIER IS NOT RESPONSIBLE FOR ANY DETERIORATION OF THE SHOP PRIMER PAINT AS A RESULT OF IMPROPER HANDLING AND/OR JOBSITE STORAGE. METAL BUILDING SUPPLIER SHALL NOT BE RESPONSIBLE FOR ANY FIELD APPLIED PAINT AND/OR COATINGS. (AISC CODE OF STANDARD PRACTICE, LATEST EDITION). NOMINAL THICKNESS OF PRIMER WILL BE 1 MIL UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS.

1.4 **GALVANIZED OR SPECIAL COATINGS:**
SEE CONTRACT DOCUMENTS

1.5 **ALL BOLTS ARE 1/2"Ø x 0'-1 1/4" A307 EXCEPT:**
A) ENDWALL RAFTER SPLICE - 5/8"Ø x 0'-1 3/4" A325-N
B) ENDWALL COLUMN TO RAFTER CONNECTION - (SEE WALL ELEVATION)
C) MAIN FRAME CONNECTIONS - SEE CROSS SECTION
D) FLANGE BRACE CONNECTIONS - 1/2"Ø x 0'-1 1/4" A325

NOTE: WASHERS ARE NOT SUPPLIED UNLESS NOTED OTHERWISE ON DRAWING

1.6 **A325 BOLT TIGHTENING REQUIREMENTS**
ALL HIGH STRENGTH BOLTS ARE A325-N UNLESS SPECIFICALLY NOTED OTHERWISE. HOLES ARE NOT SLOTTED AND DESIGN IS BEARING CONNECTION. STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE "TURN-OF-THE-NUT" METHOD IN ACCORDANCE WITH THE LATEST EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS" USING ASTM A325 OR A490 BOLTS, WHEN SPECIFICALLY REQUIRED. A325-N BOLTS ARE SUPPLIED WITHOUT WASHER UNLESS OTHERWISE NOTED ON THE DRAWINGS.
ALL BOLTED CONNECTIONS UNLESS NOTED ARE DESIGNED AS BEARING TYPE CONNECTIONS WITH BOLT THREADS NOT EXCLUDED FROM THE SHEAR PLANE.

1.7 **CLOSURE STRIPS ARE FURNISHED (IF ORDERED) FOR APPLICATION:**
INSIDE - UNDER ROOF PANELS & BASE OF WALL PANELS
OUTSIDE - BETWEEN ROOF PANELS & RIDGE CAP
- BETWEEN WALL PANELS & EAVE/GABLE TRIM

1.8 **ERECTION NOTE:**
ALL BRACING, STRAPPING, & BRIDGING SHOWN AND PROVIDED BY M.B.S. FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE. IF ADDITIONAL BRACING IS REQUIRED FOR STABILITY DURING ERECTION, IT SHALL BE THE ERECTOR'S RESPONSIBILITY TO DETERMINE THE AMOUNT OF SUCH BRACING AND TO PROCURE AND INSTALL AS NEEDED.

1.9 **ERECTION AND UNLOADING NOT BY G.W.B.**

1.10 **SHORTAGES**
ANY CLAIMS OR SHORTAGES BY BUYER MUST BE MADE TO M.B.S. WITHIN FIVE (5) WORKING DAYS AFTER DELIVERY, OR SUCH CLAIMS WILL BE CONSIDERED TO HAVE BEEN WAIVED BY THE CUSTOMER AND DISALLOWED.

1.11 **CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)**
CLAIMS FOR CORRECTION OF ALLEGED MISFITS WILL BE DISALLOWED UNLESS M.B.S. SHALL HAVE RECEIVED PRIOR NOTICE THEREOF AND ALLOWED REASONABLE INSPECTION OF SUCH MISFITS. THE CORRECTION OF MINOR MISFITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS INTO LINE, MODERATE AMOUNTS OF REAMING, CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORTAGES OF MATERIAL ARE A NORMAL PART OF ERECTION AND ARE NOT SUBJECT TO CLAIM. NO PART OF THE BUILDING MAY BE RETURNED FOR ALLEGED MISFITS WITHOUT THE PRIOR APPROVAL OF M.B.S.

BUYER/END USE CUSTOMER RESPONSIBILITIES

- 2.1 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO OBTAIN APPROPRIATE APPROVALS AND SECURE NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES AS REQUIRED, AND TO ADVISE/RELEASE M.B.S. TO FABRICATE UPON RECEIVING SUCH.
- 2.2 METAL BUILDING SUPPLIER (HEREAFTER REFERRED TO AS M.B.S.) STANDARD SPECIFICATIONS APPLY UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS. M.B.S. DESIGN, FABRICATION, QUALITY CRITERIA, STANDARDS, PRACTICE, METHODS AND TOLERANCES SHALL GOVERN THE WORK WITH ANY OTHER INTERPRETATIONS TO THE CONTRARY NOTWITHSTANDING. IT IS UNDERSTOOD BY BOTH PARTIES THAT THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR CLARIFICATION OF INCLUSIONS OR EXCLUSIONS FROM THE ARCHITECTURAL PLANS AND/OR SPECIFICATIONS.
- 2.3 IN CASE OF DISCREPANCIES BETWEEN M.B.S. STRUCTURAL STEEL PLANS AND PLANS FOR OTHER TRADES, M.B.S. PLANS SHALL GOVERN. (SECTION 3 AISC CODE OF STANDARD PRACTICES, LATEST EDITION)
- 2.4 APPROVAL OF M.B.S. DRAWINGS AND CALCULATIONS INDICATE THE M.B.S. HAS CORRECTLY INTERPRETED AND APPLIED THE CONTRACT DOCUMENTS. THIS APPROVAL CONSTITUTES THE CONTRACTOR/OWNERS ACCEPTANCE OF THE M.B.S. DESIGN CONCEPTS, ASSUMPTIONS, AND LOADING. (SECTION 4 AISC CODE AND MBMA 3.3.3)
- 2.5 ONCE THE BUYER/END USE CUSTOMER HAS SIGNED M.B.S. APPROVAL PACKAGE AND THE PROJECT IS RELEASED FOR FABRICATION, CHANGES SHALL BE BILLED TO THE BUYER/END USE CUSTOMER INCLUDING MATERIAL, ENGINEERING AND OTHER COSTS. AN ADDITIONAL FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND SHIPPING SCHEDULE.

2.6 THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR OVERALL RESPONSIBILITY FOR OVERALL PROJECT COORDINATION, ALL INTERFACE, COMPATIBILITY, AND DESIGN CONSIDERATIONS CONCERNING ANY MATERIALS NOT FURNISHED BY M.B.S. AND M.B.S. STEEL SYSTEM ARE TO BE CONSIDERED AND COORDINATED BY THE BUYER/END USE CUSTOMER. SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS MUST BE FURNISHED BEFORE RELEASE FOR FABRICATION OR M.B.S. ASSUMPTIONS WILL GOVERN (AISC CODE OF STANDARD PRACTICE, LATEST EDITION)

2.7 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO INSURE THAT M.B.S. PLANS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT M.B.S. OR ITS DESIGN ENGINEERS ARE ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT. THESE DRAWINGS ARE SEALED ONLY TO CERTIFY THE DESIGN OF THE STRUCTURAL COMPONENTS FURNISHED BY M.B.S.

2.8 THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL IN ACCORDANCE WITH M.B.S. "FOR ERECTION" DRAWINGS ONLY. TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION SHALL BE DETERMINED, FURNISHED AND INSTALLED BY THE ERECTOR. NO ITEMS SHOULD BE PURCHASED FROM A PRELIMINARY SET OF DRAWINGS, INCLUDING ANCHOR BOLTS. USE ONLY FINAL "FOR ERECTION" DRAWINGS FOR THIS USE. (AISC CODE OF STANDARD PRACTICE, LATEST EDITION.)

2.9 METAL BUILDING SUPPLIER IS RESPONSIBLE FOR THE DESIGN OF THE ANCHOR BOLTS TO PERMIT THE TRANSFER OF FORCES BETWEEN THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BEARING AND TENSION, BUT IT IS NOT RESPONSIBLE FOR THE TRANSFER OF ANCHOR BOLT FORCES TO THE CONCRETE OR THE ADEQUACY OF THE ANCHOR BOLT IN RELATION TO THE CONCRETE. UNLESS OTHERWISE NOTED PROVIDED IN THE ORDER DOCUMENTS, M.B.S. DOES NOT DESIGN AND IS NOT RESPONSIBLE FOR THE DESIGN, MATERIAL AND CONSTRUCTION OF THE FOUNDATION OR FOUNDATION EMBEDMENTS. THE END USE CUSTOMER SHOULD BE ASSURE HIMSELF THAT ADEQUATE PROVISIONS ARE MADE IN THE FOUNDATION DESIGN FOR LOADS IMPOSED BY COLUMN REACTIONS OF THE BUILDING, OTHER IMPOSED LOADS, AND BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE. IT IS RECOMMENDED THAT THE ANCHORAGE AND FOUNDATION OF THE BUILDING BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER EXPERIENCED IN THE DESIGN OF SUCH STRUCTURES. (LATEST MBMA LOW RISE BUILDING SYSTEMS MANUAL)

2.10 NORMAL ERECTION OPERATIONS INCLUDE THE CORRECTIONS OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, CHIPPING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE THROUGH THE USE OF DRIFT PINS. ERRORS WHICH CANNOT BE CORRECTED BY THE FOREGOING MEANS OR WHICH REQUIRE MAJOR CHANGES IN MEMBER CONFIGURATION ARE TO BE REPORTED IMMEDIATELY TO M.B.S. BY THE BUYER/END USE CUSTOMER, TO ENABLE WHOEVER IS RESPONSIBLE EITHER TO CORRECT THE ERROR OR TO APPROVE THE MOST EFFICIENT AND ECONOMIC METHOD OF CORRECTION TO BE USED BY OTHERS. (AISC CODE OF STANDARD PRACTICE LATEST EDITION)

2.11 NEITHER THE FABRICATOR NOR THE BUYER/END USE CUSTOMER WILL CUT, DRILL OR OTHERWISE ALTER HIS WORK, OR THE WORK OF OTHER TRADES, TO ACCOMMODATE OTHER TRADES, UNLESS SUCH WORK IS CLEARLY SPECIFIED IN THE CONTRACT DOCUMENTS. WHENEVER SUCH WORK IS SPECIFIED, THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR FURNISHING COMPLETE INFORMATION AS TO MATERIALS, SIZE, LOCATION AND NUMBER OF ALTERATIONS PRIOR TO PREPARATION OF SHOP DRAWINGS. (AISC CODE OF STANDARD PRACTICE LATEST EDITION)

2.12 **WARNING:** IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER. BOTH LEAD AND COPPER HAVE HARMFUL CORROSIVE EFFECTS ON THE GALVALUME ALLOY COATING WHEN THEY ARE IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED.

2.13 **SAFETY COMMITMENT:** METAL BUILDING SUPPLIER HAS A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY COMMITMENT AND JOB SITE PRACTICES OF THE ERECTOR ARE BEYOND THE CONTROL OF M.B.S. IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE. LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKERS SAFETY. MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING. EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES. DAILY MEETINGS HIGHLIGHTING SAFETY PROCEDURES ARE ALSO RECOMMENDED. THE USE OF HARD HATS, RUBBER SOLE SHOES FOR ROOF WORK, PROPER EQUIPMENT FOR HANDLING MATERIAL, AND SAFETY NETS WHERE APPLICABLE, ARE RECOMMENDED.

2.14 ROOF DRAINAGE SYSTEMS (GUTTER, DOWNSPOUTS, ETC.) MUST BE FREE OF ANY OBSTRUCTION TO ENSURE SMOOTH OPERATION AT ANY GIVEN TIME.

2.15 IT IS RECOMMENDED BY FACTORY MUTAL (REFERENCE B2.44) THAT ROOFS BE CLEARED OF SNOW WHEN HALF OF THE MAXIMUM SNOW DEPTH IS REACHED. THE MAXIMUM SNOW DEPTH CAN BE ESTIMATED BASED ON THE DESIGN SNOW LOAD AND THE DENSITY OF SNOW AND/OR ICE BUILDUP. SEE TABLE BELOW.

ROOF SNOW LOAD (IN PSF)	EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES)	RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES)
20	16.60	8.30
25	17.25	8.62
30	17.90	8.95
35	18.55	9.28
40	19.20	9.60
45	19.85	9.92
50	20.50	10.25
55	21.15	10.58
60	21.80	10.90
65	22.45	11.22
70	23.10	11.55
75	23.75	11.88
80	24.40	12.20

NOTE:
FOR SNOW/ICE REMOVAL PROCEDURE, REFER TO METAL BUILDING SYSTEM MANUAL 2002 EDITION, SECTION A8.4, PAGE XI-A8-2

BUILDING LOADS

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING AS INDICATED:

DESIGN LOADS:

DESIGN CODE / WIND CODE	: IBC-15
OCCUPANCY / RISK CATEGORY	: II-Normal
ENCLOSURE	: Closed
ROOF DEAD LOAD (D) (PSF)	: 2.20
ROOF COLLATERAL LOAD (C) (PSF)	: 1.00
WIND LOAD	
ULTIMATE WIND SPEED, (VULT) (MPH)	: 130.00
WIND EXPOSURE CATEGORY	: C
INTERNAL PRESSURE COEFFICIENT, (GCpi)	: 0.18/-0.18
WALL PANEL DESIGN WIND PRESSURE (PSF)	: 36.94/-40.07
WIND ENCLOSURE CLASSIFICATION	: Closed
LIVE LOAD	
PRIMARY FRAMING (PSF)	: 20.00
TRIB. AREA REDUCTION	: No
SECONDARY FRAMING (PSF)	: 20.00
SNOW LOAD	
GROUND SNOW LOAD, (Pg) (PSF)	: 60.00
ROOF SNOW LOAD, (Pf) (PSF)	: 60.00
SNOW EXPOSURE FACTOR, (Ce)	: 1.00
SNOW IMPORTANCE FACTOR, (Is)	: 1.00
THERMAL FACTOR, (Ct)	: 1.20
SEISMIC LOAD	
SEISMIC IMPORTANCE FACTOR, (Ie)	: 1.00
SITE CLASSIFICATION	: D
SPECTRAL RESPONSE ACCELERATION	: Ss = 0.198 :S1 = 0.063
SPECTRAL RESPONSE COEFFICIENTS	: Sds = 0.211 :Sd1 = 0.101
SEISMIC DESIGN CATEGORY	: B
BASIC SEISMIC FORCE RESISTING SYSTEM	: STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE
	: RIGID FRAMES (OMF)
	: BRACED FRAMES (OCBF/OMF)
	: LONGITUDINAL = 1.89
	: TRANSVERSE = 1.90
TOTAL DESIGN BASE SHEAR, (V) (KIPS)	
RESPONSE MODIFICATION FACTORS, (R)	: RIGID FRAMES = 3.00 Ω = 2.50
SEISMIC RESPONSE COEFFICIENTS, (Cs)	: RIGID FRAMES = 0.0704
ANALYSIS PROCEDURE USED	: EQUIVALENT LATERAL FORCE PROCEDURE
OTHER LOADS/REQUIREMENTS	

THIS BUILDING IS DESIGNED USING PANEL SHEAR BRACING. NO ADDITIONAL OPENINGS ARE TO BE ADDED WITHOUT CONSULTING THE ORIGINAL DESIGN ENGINEER OR A LOCAL ENGINEERING PROFESSIONAL.

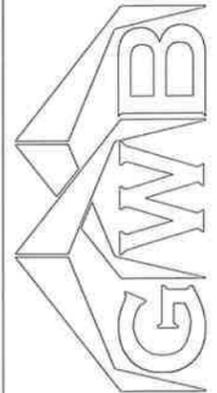
BUILDING DESCRIPTION:

WIDTH (FT)	: 30.00
LENGTH (FT)	: 48.00
EAVE HEIGHT AT BSW (FT)	: 12.00
EAVE HEIGHT AT FSW (FT)	: 12.00
ROOF SLOPE AT BSW	: 5.0:12
ROOF SLOPE AT FSW	: 5.0:12
BAY SPACING (FT)	: 1 AT 17, 1 AT 15, 1 AT 16

COVERING AND TRIMS:

ROOF PANELS & TRIMS	
PANEL TYPE	: 26 GA. PBR
PANEL COLOR	: GALVALUME
TRIM COLORS	
GABLE/EAVE	: KOKO BROWN
EAVE GUTTER	: N/A
WALL PANELS & TRIMS	
PANEL TYPE	: 26 GA. PBR
PANEL COLOR	: EVERGREEN
TRIM COLORS	
CORNER	: KOKO BROWN
FRAMED OPENING	: KOKO BROWN
DOWNSPOUTS	: N/A
BASE	: EVERGREEN
INSULATION	
ROOF INSULATION	: N/A
WALL INSULATION	: N/A

ENG.	CHK.	DATE	DWN.	MEZ	CAF	RIS	JMM	CAF	RIS
		03/30/21		06/21/21	MB	CAF	JMM	CAF	RIS
				12/01/21	JMM				
				07/25/21	AA				



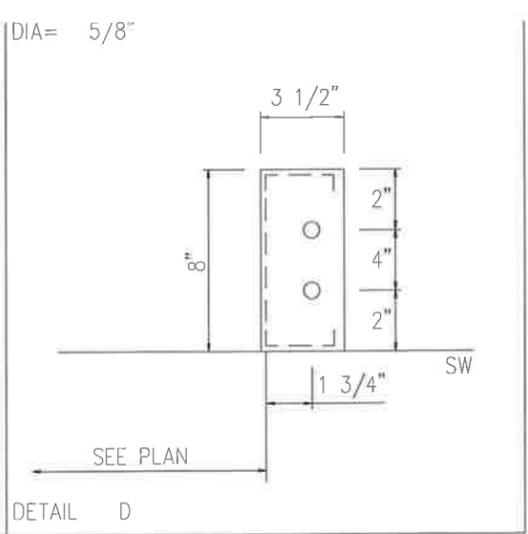
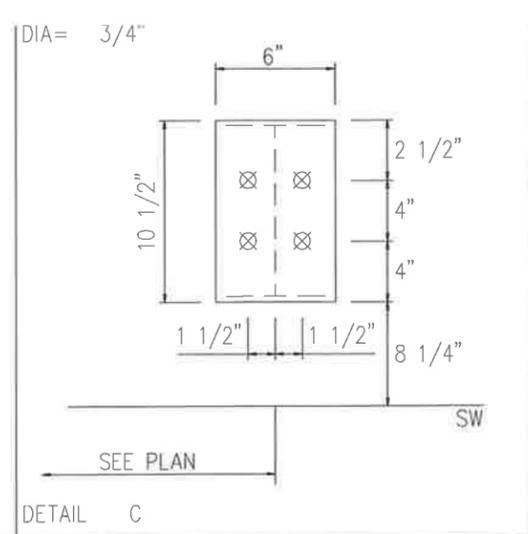
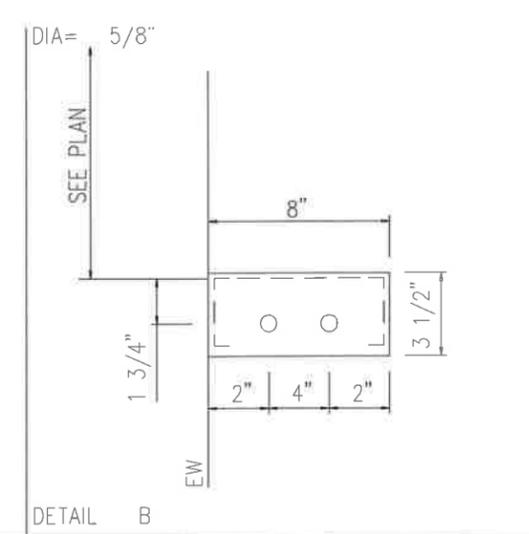
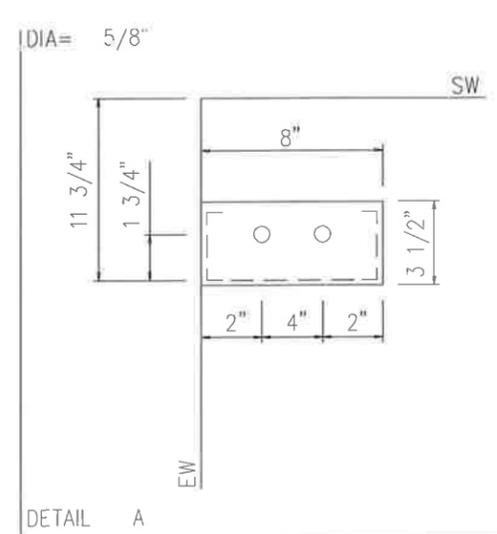
3033 S. PARKER RD 12 FLOOR
AURORA, CO 80014
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	RICHARD GRAYCOWSKI
PROJECT NAME:	RICHARD GRAYCOWSKI
PROJECT LOCATION:	8615 US-24, CASCADE, CO 80809
PROJECT COUNTY:	EL PASO
PROJECT END USE:	WORKSHOP/GARAGE
CUSTOMER PHONE NUMBER:	719.235.7218
CUSTOMER EMAIL:	REDSKIZONE@YAHOO.COM
SCALE:	N.T.S.
SHEET NUMBER:	2 OF 16
JOB NUMBER:	93452R1
SHEET TITLE:	BUILDING INFO COVERSHEET



REVIEWED
By Richard T Smith at 1:49 pm, Jan 27, 2022

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



NOTE:
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. G.W.B. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

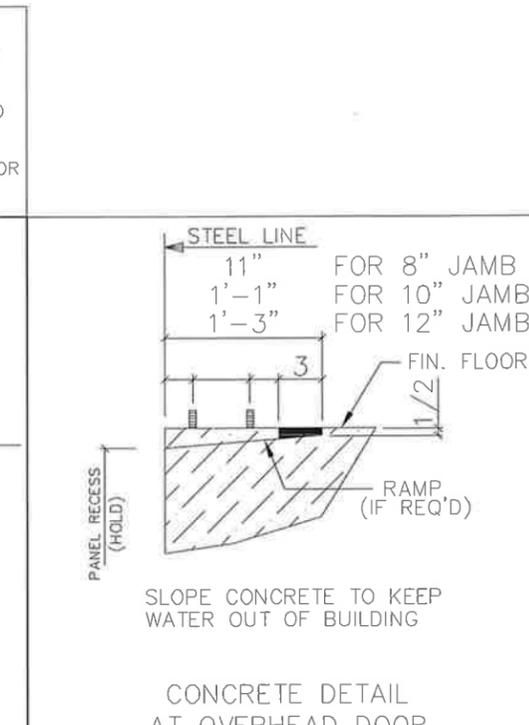
ANCHOR BOLT DIAMETERS HAVE BEEN DESIGNED BY THE METAL BUILDING ENGINEER BASED ON AISC METHOD WITH COMBINED SHEAR AND TENSION.

DEVELOPMENT, EMBEDMENT AND HOOK LENGTH OF ANCHOR BOLTS IN THE CONCRETE ARE DESIGN RESPONSIBILITY OF OTHERS. ALSO DESIGN OF SHEAR ANGLES, TENSION PLATES, HAIRPINS, AND ANY OTHER EMBEDDED MATERIAL IN THE CONCRETE SHALL BE DESIGNED AND PROVIDED BY OTHERS.

NOTE: ANCHOR BOLT PROJECTION IS FROM BOTTOM OF BASE PLATE.

Anchor Bolt Diameter	Projection
1/2"	1 1/2"
5/8"	2"
3/4"	2 1/2"
7/8"	3 1/2"
1"	3 1/2"
1 1/8"	3 1/2"
1 1/4"	3 1/2"

CONCRETE NOTCH AND ANCHOR BOLT PROJECTION



ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	03/07/21	MEZ	MEZ	RTS
PERMIT	06/27/21	MB	CAF	RTS
ERECTION	12/07/21	JMM	JMM	RTS
REVISED PERMIT	07/25/22	AA	CAF	RTS

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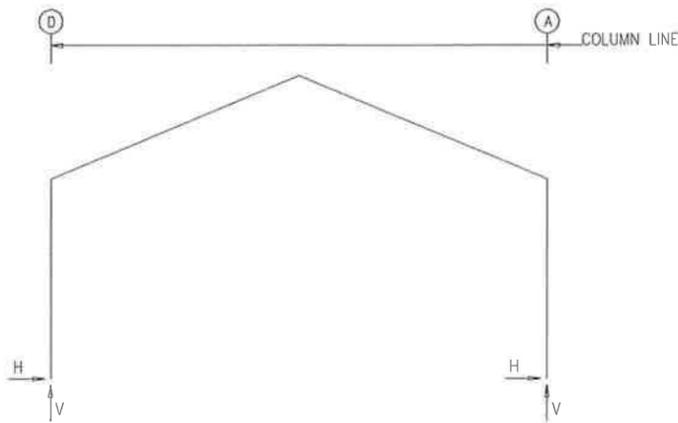
CUSTOMER NAME: RICHARD GRAYCKOWSKI
PROJECT NAME: RICHARD GRAYCKOWSKI
PROJECT LOCATION: 8615 US-24, CASCADE, CO. 80809
PROJECT COUNTY: EL PASO
PROJECT END USE: WORKSHOP/GARAGE
CUSTOMER PHONE NUMBER: 719.235.7218
CUSTOMER EMAIL: REDSKIZONE@YAHOO.COM
SCALE: N.T.S.

SHEET NUMBER: 4 OF 16
JOB NUMBER: 93452R1
SHEET TITLE: ANCHOR BOLT DETAILS



REVIEWED
By Richard T Smith at 1:49 pm, Jan 27, 2022

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



ENDWALL COLUMN:

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert
1	D	0.1	0.0	0.5	1.6	-0.5	-0.5	0.2	0.2	-0.8	0.9	-1.5	-1.3
1	C	0.4	0.1	2.1	6.2	-2.7	-2.6	-1.9	-1.8	-2.1	2.4	-2.8	-1.5
1	B	0.4	0.1	2.1	6.2	-2.6	-2.7	-1.8	-1.9	-2.1	2.4	-1.5	-2.8
1	A	0.1	0.0	0.5	1.6	-0.5	-0.5	0.2	0.2	-0.8	0.9	-1.3	-1.5

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	E1UNB_SL_L- Horz	E1UNB_SL_L- Vert	E1UNB_SL_R- Horz	E1UNB_SL_R- Vert
1	D	0.0	0.1	0.0	1.6	0.0	0.3
1	C	0.0	-0.1	0.0	7.1	0.0	2.8
1	B	-0.1	0.0	0.0	2.8	0.0	7.1
1	A	0.1	0.0	0.0	0.3	0.0	1.6

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert
4	A	0.1	0.0	0.5	1.5	-0.5	-0.5	0.2	0.2	-0.8	0.9	-1.4	-1.2
4	B	0.4	0.1	1.9	5.8	-2.6	-2.5	-1.9	-1.8	-2.1	2.4	-2.7	-1.4
4	C	0.4	0.1	1.9	5.8	-2.5	-2.6	-1.8	-1.9	-2.1	2.4	-1.4	-2.7
4	D	0.1	0.0	0.5	1.5	-0.5	-0.5	0.2	0.2	-0.8	0.9	-1.2	-1.4

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) QTY	DIA	Base_Plate(in) Width	Length	Thick	Grout (in)
2*	D	1	4.7	15.6	4	-2.4	-1.4	4	0.750	6.000	10.50	0.375	0.0
2*	A	5	2.4	-1.4	1	-4.7	-3.1	4	0.750	6.000	10.50	0.375	0.0
2*	FRAME lines:	2	3										

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) QTY	DIA	Base_Plate(in) Width	Length	Thick	Grout (in)
1	D	6	0.5	-0.8	7	-0.5	-0.8	2	0.625	3.500	8.000	0.250	0.0
1	C	6	1.4	-1.5	7	-1.3	-1.5	2	0.625	3.500	8.000	0.250	0.0
1	B	9	1.4	-1.5	10	-1.3	-1.5	2	0.625	3.500	8.000	0.250	0.0
1	A	9	0.5	-0.8	10	-0.5	-0.8	2	0.625	3.500	8.000	0.250	0.0
4	A	6	0.5	-0.8	7	-0.5	-0.8	2	0.625	3.500	8.000	0.250	0.0
4	B	6	1.4	-1.4	7	-1.3	-1.4	2	0.625	3.500	8.000	0.250	0.0
4	C	9	1.4	-1.4	10	-1.3	-1.4	2	0.625	3.500	8.000	0.250	0.0
4	D	9	0.5	-0.8	10	-0.5	-0.8	2	0.625	3.500	8.000	0.250	0.0



CUSTOMER NAME: RICHARD GRAYCOWSKI
 PROJECT NAME: RICHARD GRAYCOWSKI
 PROJECT LOCATION: 8615 US-24, CASCADE, CO 80809
 PROJECT COUNTY: EL PASO
 PROJECT END USE: WORKSHOP/GARAGE
 CUSTOMER PHONE NUMBER: 719.235.7218
 CUSTOMER EMAIL: REDSKIZONE@YAHOO.COM
 SCALE: N.T.S.
 SHEET NUMBER: 5 OF 16
 JOB NUMBER: 93452R1
 SHEET TITLE: ANCHOR BOLT REACTIONS



REVIEWED
 By Richard T Smith at 1:49 pm, Jan 27, 2022

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RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) QTY	DIA	Base_Plate(in) Width	Length	Thick	Grout (in)
2*	D	1	4.7	15.6	4	-2.4	-1.4	4	0.750	6.000	10.50	0.375	0.0
2*	A	5	2.4	-1.4	1	-4.7	-3.1	4	0.750	6.000	10.50	0.375	0.0
2*	FRAME lines:	2	3										

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_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
2*	D	0.2	0.9	0.1	0.3	1.4	4.8	4.3	14.4	-3.8	-6.1	2.0	-3.6
2*	A	-0.2	0.9	-0.1	0.3	-1.4	4.8	-4.3	14.4	-2.0	-3.6	3.8	-6.1

FRAME Line	Column Line	Wind_Left2 Horiz	Wind_Right2 Horiz	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
2*	D	-4.3	-3.3	1.6	-0.9	1.1	-5.4	0.1	-5.2	-0.3	0.2
2*	A	-1.6	-0.9	4.3	-3.3	-0.1	-5.2	-1.1	-5.4	-0.3	0.2

FRAME Line	Column Line	F1UNB_SL_L- Horiz	F1UNB_SL_L- Vert	F1UNB_SL_R- Horiz	F1UNB_SL_R- Vert
2*	D	3.5	13.7	3.5	8.0
2*	A	-3.5	8.0	-3.5	13.7

2* FRAME lines: 2 3

NOTES FOR REACTIONS

- Building reactions are based on the following building data:
- Width (ft) = 30.00
 - Length (ft) = 48.00
 - Eave Height (ft) = 12.00/12.00
 - Roof Slope (rise/12) = 5.0:12/5.0:12
 - Dead Load (psf) = 2.20
 - Collateral Load (psf) = 1.00
 - Live Load (psf) = 20.00
 - Snow Load (psf) = 60.00
 - Ultimate Wind Speed (mph) = 130.00
 - Wind Code = IBC-15
 - Exposure = C
 - Closed/Open = Closed
 - Importance Wind = 1.00
 - Importance Seismic = 1.00
 - Seismic Zone = B
 - Seismic Coeff (Fo*Fs) = 0.32

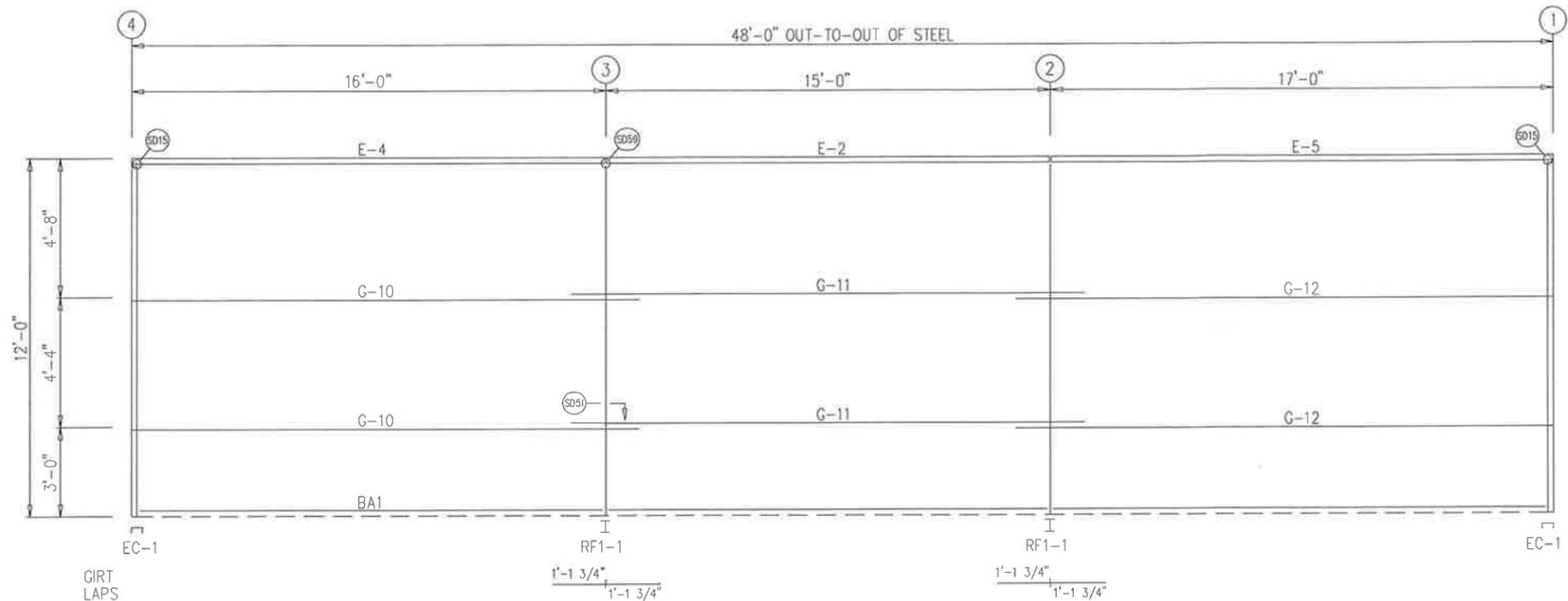
ID	Description
1	Dead+Collateral+Snow+Slide_Snow
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	0.6Dead+0.6Wind_Left2
5	0.6Dead+0.6Wind_Right2
6	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
7	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
8	Dead+Collateral+E1UNB_SL_L
9	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L
10	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
11	Dead+Collateral+E1UNB_SL_R
12	Dead+Collateral+E2UNB_SL_L
13	Dead+Collateral+E2UNB_SL_R

BUILDING BRACING REACTIONS

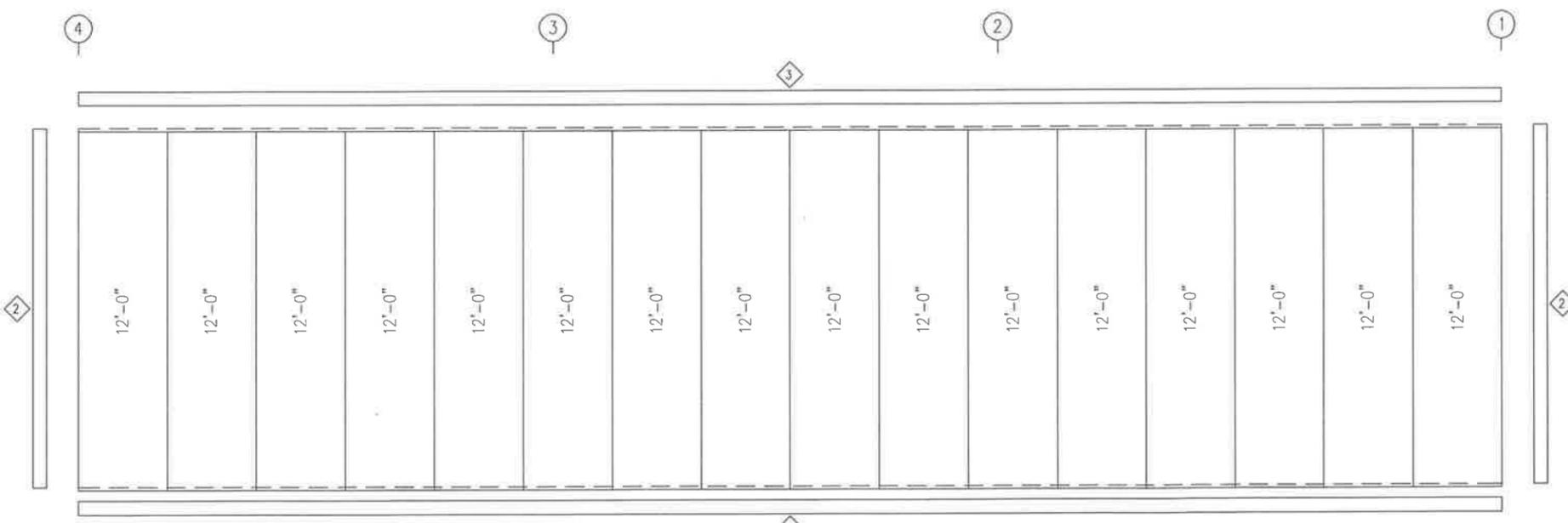
Loc	Wall Line	Col Line	Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft) Wind	Panel Shear (lb/ft) Seis
L_EW	1						62	30
F_SW	A						98	35
R_EW	4						60	28
B_SW	D						55	20

ANCHOR BOLT SUMMARY

QTY	LOCATE	DIA (in)	TYPE
12	JAMB	5/8"	A307
16	ENDWALL	5/8"	A307
16	FRAME	3/4"	A307



SIDEWALL FRAMING: FRAME LINE D



SIDEWALL SHEETING & TRIM: FRAME LINE D
PANELS: 26 GA. PBR - EVERGREEN

IRIM TABLE
FRAME LINE D

ID	QUAN	PART	LENGTH	DETAIL	CHK.	ENG.
1	5	FL-60	10'-2"	TD74	MEZ	RTS
2	2	FL-10	12'-0"	TD40	CAF	RTS
3	5	FL-214	9'-10"	TD17	JMM	RTS

MEMBER TABLE
FRAME LINE D

QUAN	MARK	PART	LENGTH
1	E-2	L10E16-5	14'-11 1/2"
1	E-4	L10E16-5	15'-11 1/2"
1	E-5	L10E16-5	16'-11 1/2"
2	G-10	8X25Z16	17'-1 1/2"
2	G-11	8X25Z16	17'-3 1/2"
2	G-12	8X25Z16	18'-1 1/2"

DATE	DWN.	CHK.	ENG.
03/20/21	MEZ	RTS	
06/27/21	MB	CAF	RTS
12/09/21	JMM	JMM	RTS
09/25/22	AA	CAF	RTS

3033 S. PARKER RD 12 FLOOR
AURORA, CO 80014
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME: RICHARD GRAYCOWSKI
PROJECT NAME: RICHARD GRAYCOWSKI
PROJECT LOCATION: BE15 US-24, CASCADE, CO 80809
PROJECT COUNTY: EL PASO
PROJECT END USE: WORKSHOP/GARAGE
CUSTOMER PHONE NUMBER: 719.235.7218
CUSTOMER EMAIL: REDSKITZONE@YAHOO.COM
SCALE: N.T.S.

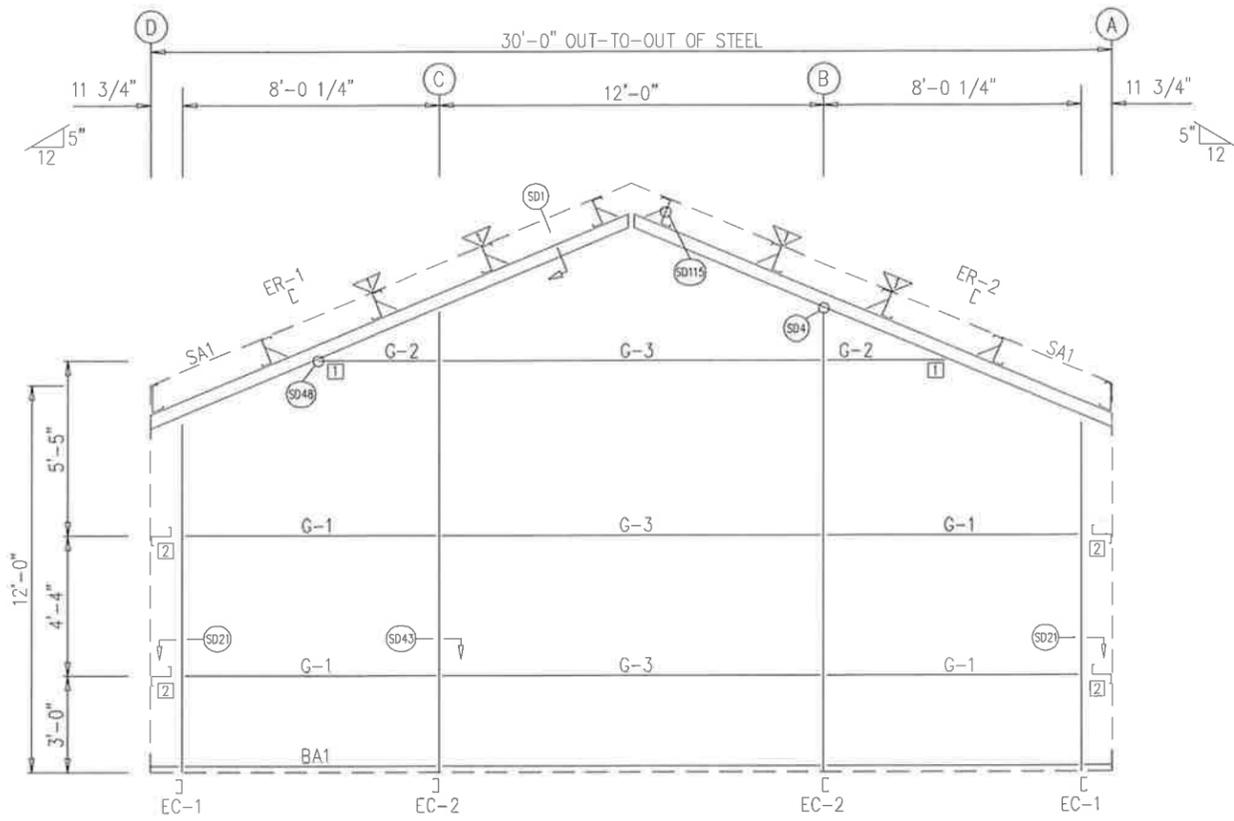
SHEET NUMBER: 8 OF 16
JOB NUMBER: 93452R1



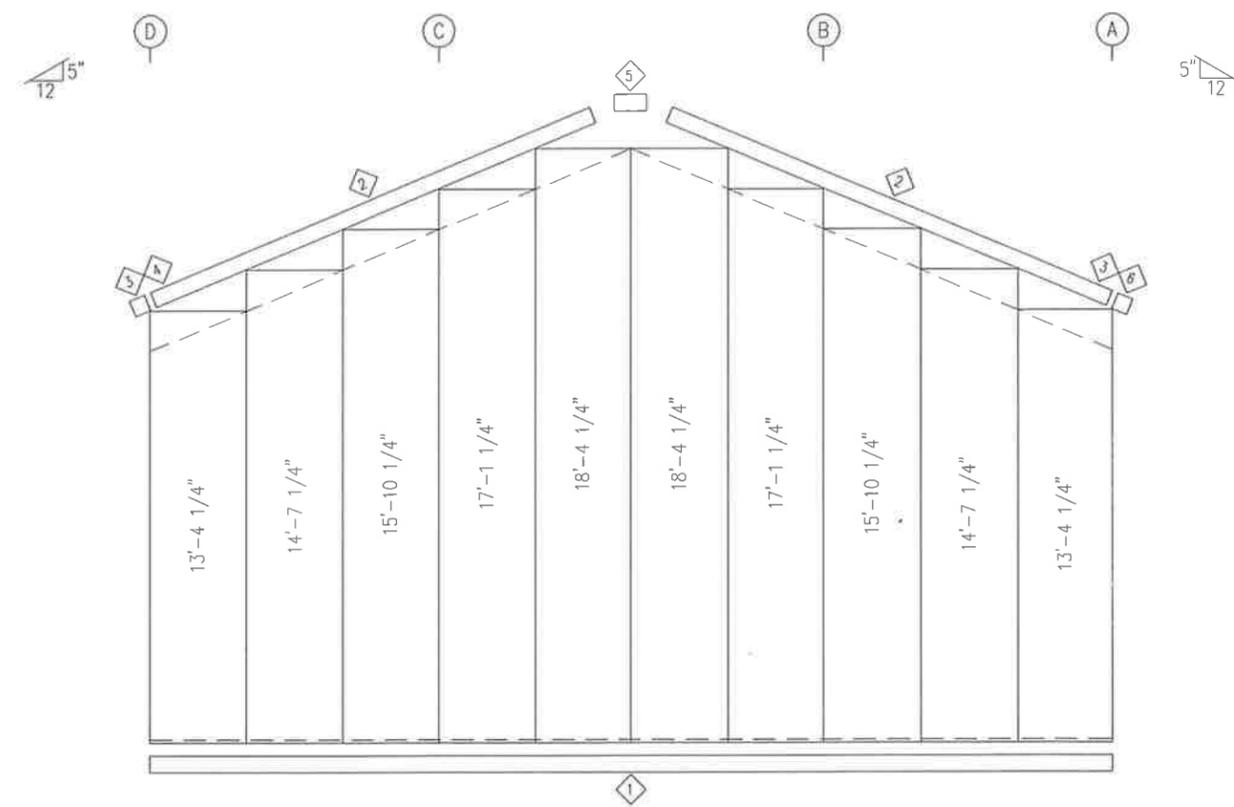
REVIEWED
By Richard T Smith at 1:49 pm, Jan 27, 2022

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SIDEWALL FRAMING & SHEETING



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 GA. PBR - EVERGREEN

TRIM TABLE
FRAME LINE 1

ID	QUAN	PART	LENGTH	DETAIL
1	3	FL-60	10'-2"	TD74
2	4	FL-15	8'-9"	TD36
3	2	FL-601F	8 5/16"	TD85
4	1	FL-600L	5 5/8"	TD13
5	1	FL-17	1'-4"	
6	1	FL-600R	5 5/8"	TD13

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	5/8"	1 3/4"
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE 1

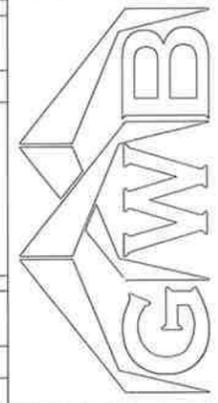
QUAN	MARK	PART	LENGTH
2	EC-1	8x25C16	10'-8 3/8"
2	EC-2	8x25C12	14'-0 1/2"
1	ER-1	8x25C12	16'-2 3/4"
1	ER-2	8x25C12	16'-2 3/4"
4	G-1	8X25Z16	7'-8"
2	G-2	8X25Z16	2'-7 11/16"
3	G-3	8X25Z16	11'-11 1/2"

CONNECTION PLATES
FRAME LINE 1

ID	QUAN	MARK
1	2	CL-109
2	4	CL-5

FLANGE BRACE TABLE
FRAME LINE 1

ID	QUAN	MARK
1	4	FB29.5



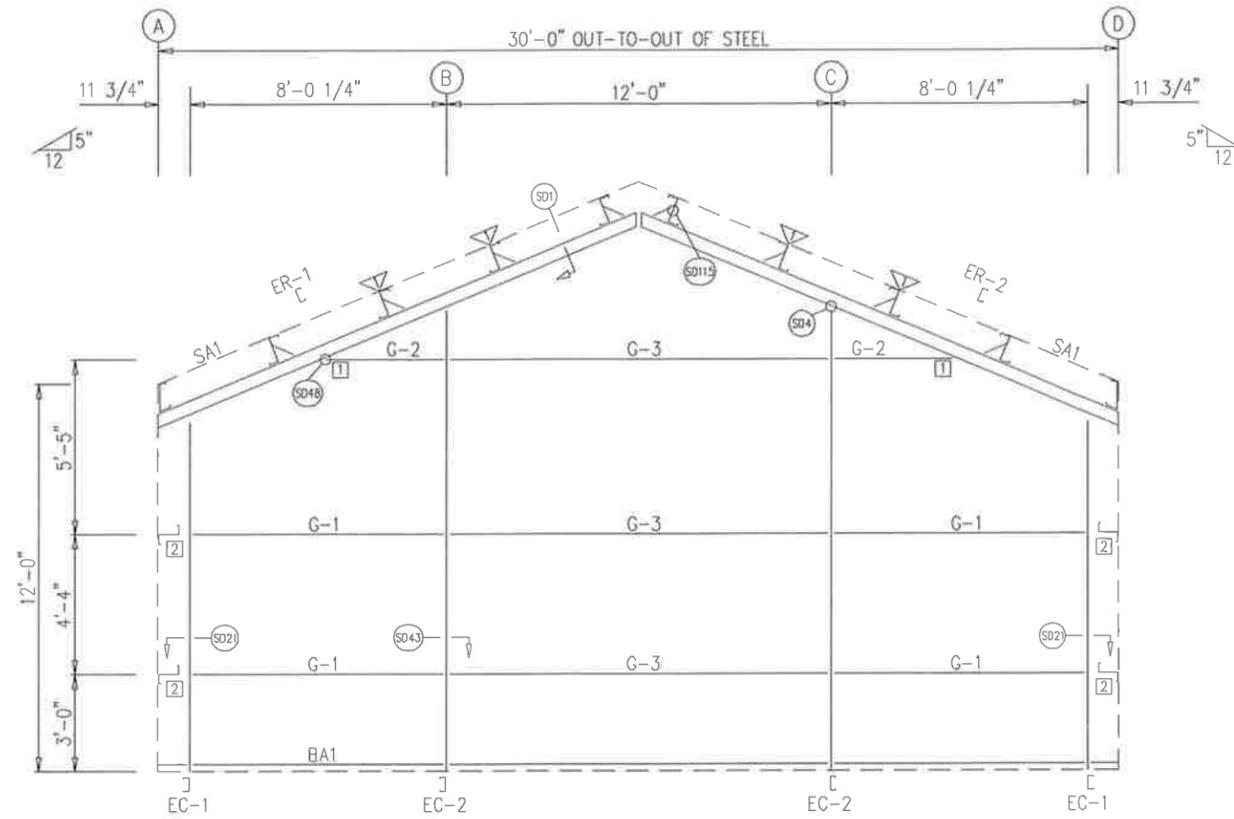
3033 S. PARKER RD 12 FLOOR
AURORA, CO 80014
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME: RICHARD GRAYCOWSKI
PROJECT NAME: RICHARD GRAYCOWSKI
PROJECT LOCATION: 8615 US-24, CASCADE, CO 80805
PROJECT COUNTY: EL PASO
PROJECT END USE: WORKSHOP/GARAGE
CUSTOMER PHONE NUMBER: 719.235.7218
CUSTOMER EMAIL: REDSKIZONE@YAHOO.COM
SCALE: N.T.S.
SHEET NUMBER: 9 OF 16
JOB NUMBER: 93452R1
SHEET TITLE: ENDWALL FRAMING & SHEETING

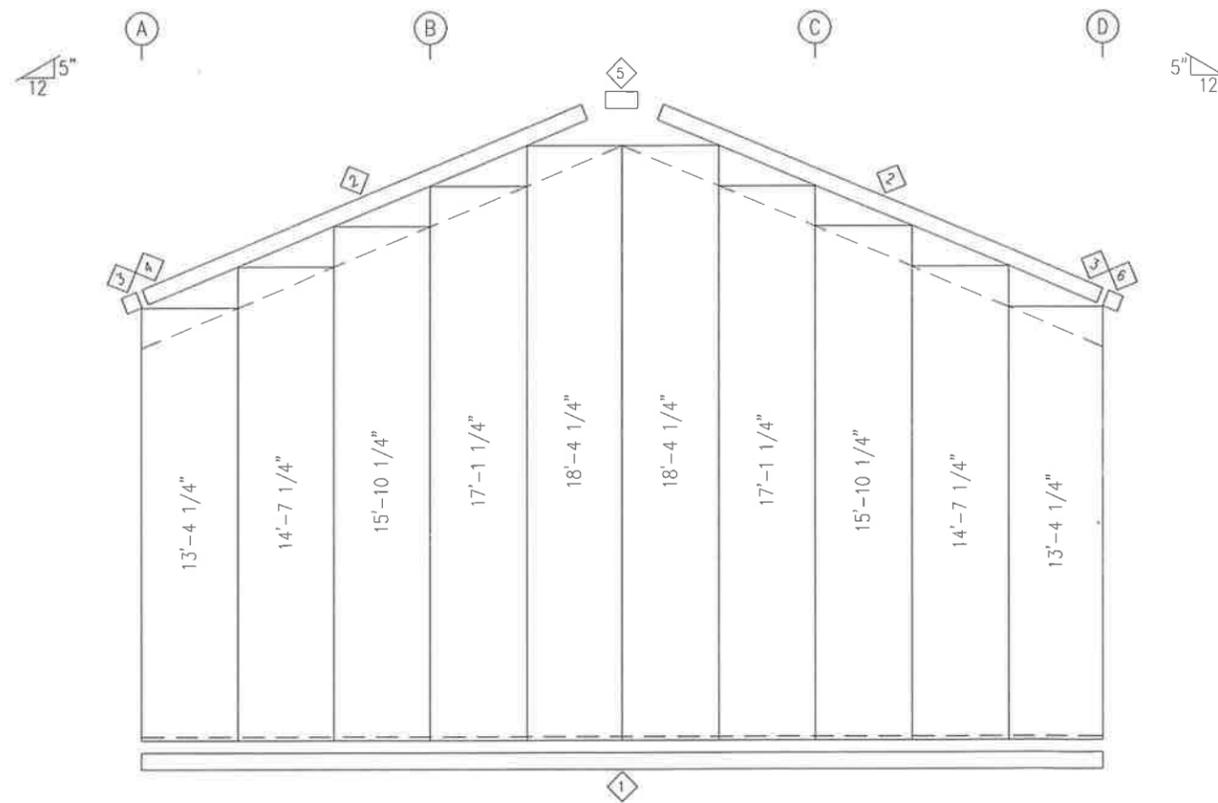


REVIEWED
By Richard T Smith at 1:49 pm, Jan 27, 2022

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ENDWALL FRAMING: FRAME LINE 4



ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 25 GA. PBR - EVERGREEN

TRIM TABLE
FRAME LINE 4

ID	QUAN	PART	LENGTH	DETAIL
1	3	FL-60	10'-2"	TD74
2	4	FL-15	8'-9"	TD36
3	2	FL-601F	8 5/16"	TD85
4	1	FL-600L	5 5/8"	TD13
5	1	FL-17	1'-4"	
6	1	FL-600R	5 5/8"	TD13

BOLT TABLE
FRAME LINE 4

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	5/8"	1 3/4"
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE 4

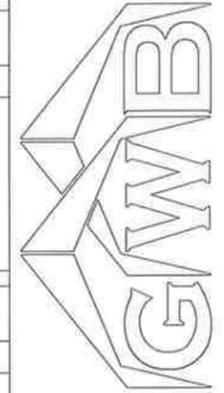
QUAN	MARK	PART	LENGTH
2	EC-1	8x25C16	10'-8 3/8"
2	EC-2	8x25C12	14'-0 1/2"
1	ER-1	8x25C12	16'-2 3/4"
1	ER-2	8x25C12	16'-2 3/4"
4	G-1	8X25Z16	7'-8"
2	G-2	8X25Z16	2'-7 11/16"
3	G-3	8X25Z16	11'-11 1/2"

CONNECTION PLATES
FRAME LINE 4

ID	QUAN	MARK
1	2	CL-109
2	4	CL-5

FLANGE BRACE TABLE
FRAME LINE 4

ID	QUAN	MARK
1	4	FB29.5



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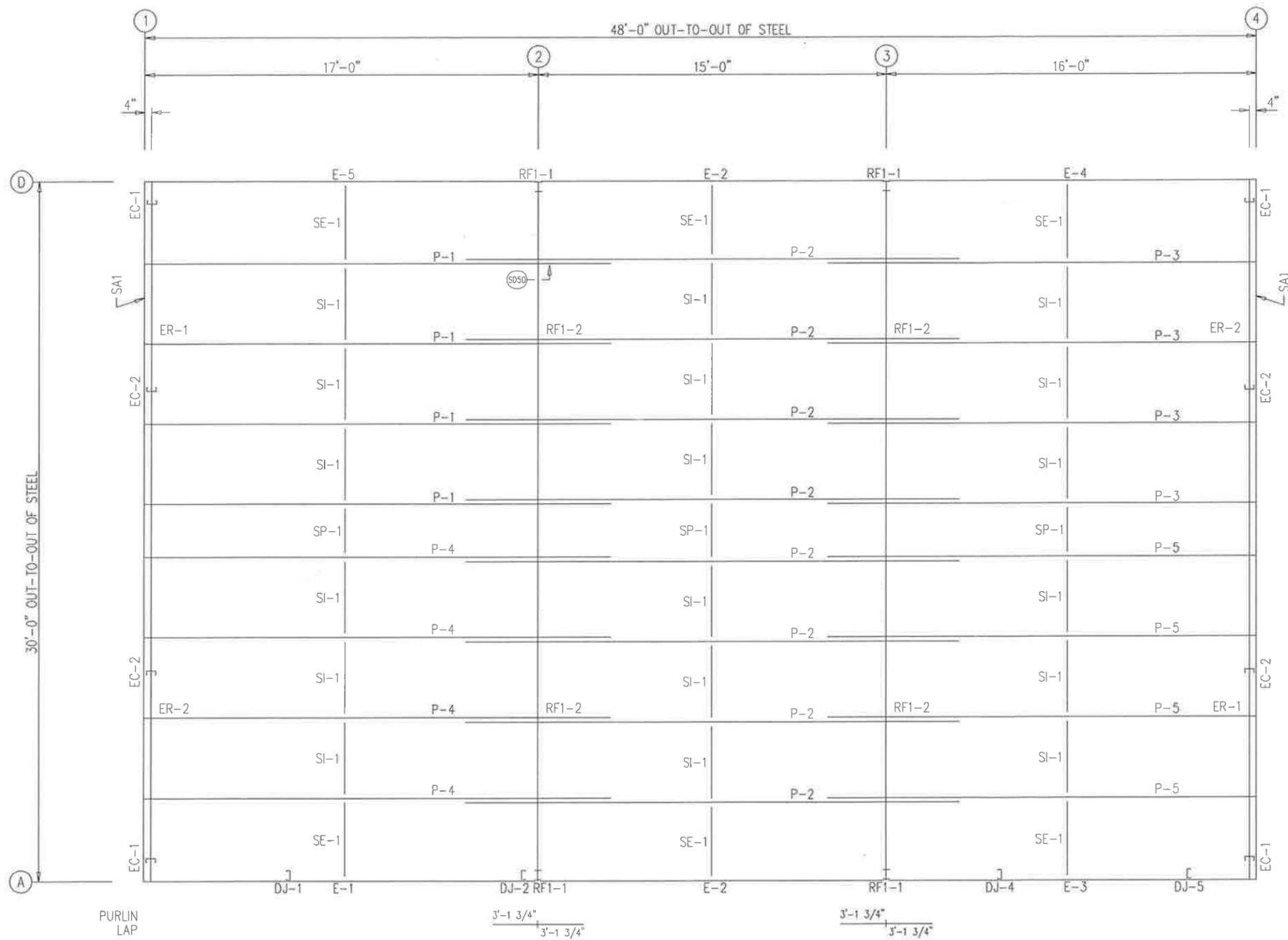
CUSTOMER NAME: RICHARD BRAYCKOWSKI
PROJECT NAME: RICHARD BRAYCKOWSKI
PROJECT LOCATION: 8615 US-24, CASCADE, CO 80809
PROJECT COUNTY: EL PASO
PROJECT END USE: WORKSHOP/GARAGE
CUSTOMER PHONE NUMBER: 719.235.7218
CUSTOMER EMAIL: REDSKIZONE@YAHOO.COM
SCALE: N.T.S.

SHEET NUMBER: 10 OF 16
JOB NUMBER: 93452R1
SHEET TITLE: ENDWALL FRAMING & SHEETING



REVIEWED
By Richard T Smith at 1:49 pm, Jan 27, 2022

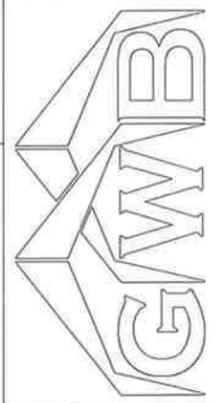
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ROOF FRAMING PLAN

ID	QUAN	PART	LENGTH	DETAIL
1	5	FL-56	9'-11"	TD9

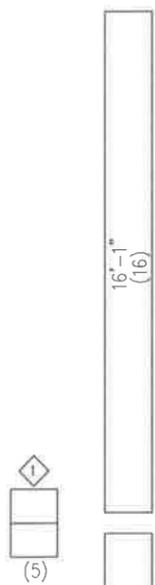
QUAN	MARK	PART	LENGTH
4	P-1	10X25Z14	20'-1 1/2"
8	P-2	10X25Z16	21'-3 1/2"
4	P-3	10X25Z16	19'-1 1/2"
4	P-4	10X25Z14	20'-1 1/2"
4	P-5	10X25Z16	19'-1 1/2"
1	F-1	L10E16-5	16'-11 1/2"
2	F-2	L10E16-5	14'-11 1/2"
1	F-3	L10E16-5	15'-11 1/2"
1	F-4	L10E16-5	15'-11 1/2"
1	F-5	L10E16-5	16'-11 1/2"
3	SP-1	BRZ-1	2'-4 13/16"
18	SI-1	BRZ-1	3'-8 1/4"
6	SE-1	BRZ-1	3'-8"



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CUSTOMER NAME: RICHARD GRAYCOWSKI
 PROJECT NAME: RICHARD GRAYCOWSKI
 PROJECT LOCATION: 8615 U.S.-24, CASCADE, CO 80809
 PROJECT COUNTY: EL PASO
 PROJECT END USE: WORKSHOP/GARAGE
 CUSTOMER PHONE NUMBER: 719.235.7218
 CUSTOMER EMAIL: REDSKIZONE@YAHOO.COM
 SCALE: N.T.S.

SHEET NUMBER: 11 OF 16
 JOB NUMBER: 93452R1
 SHEET TITLE: ROOF FRAMING & SHEETING PLAN

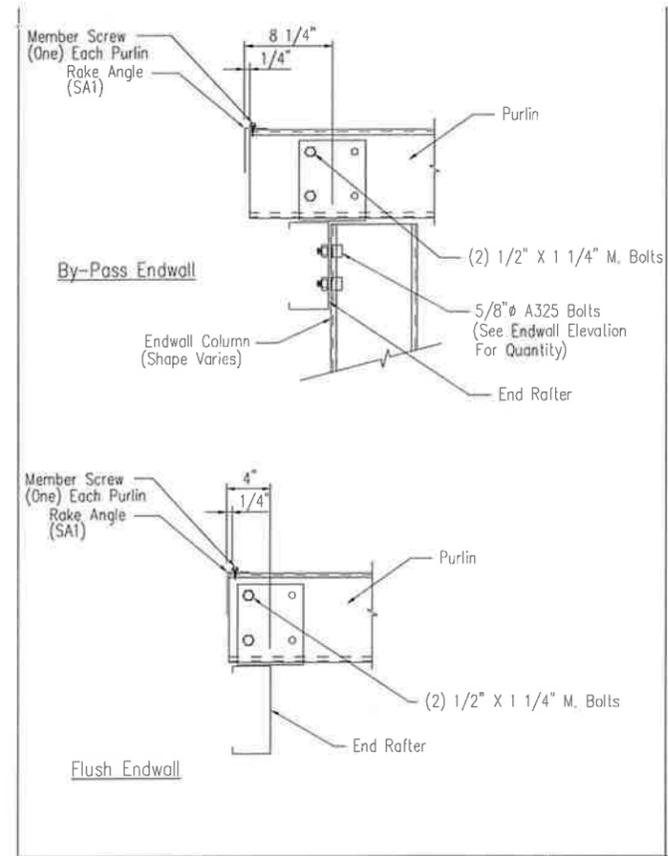


ROOF SHEETING
 PANELS: 26 GA. PBR GALVALUME



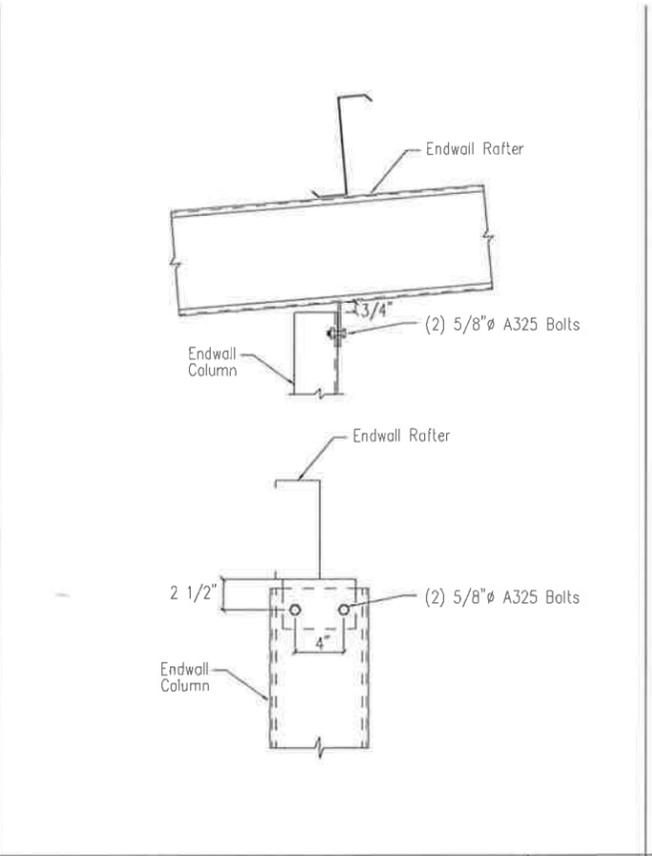
REVIEWED
 By Richard T Smith at 1:49 pm, Jan 27, 2022

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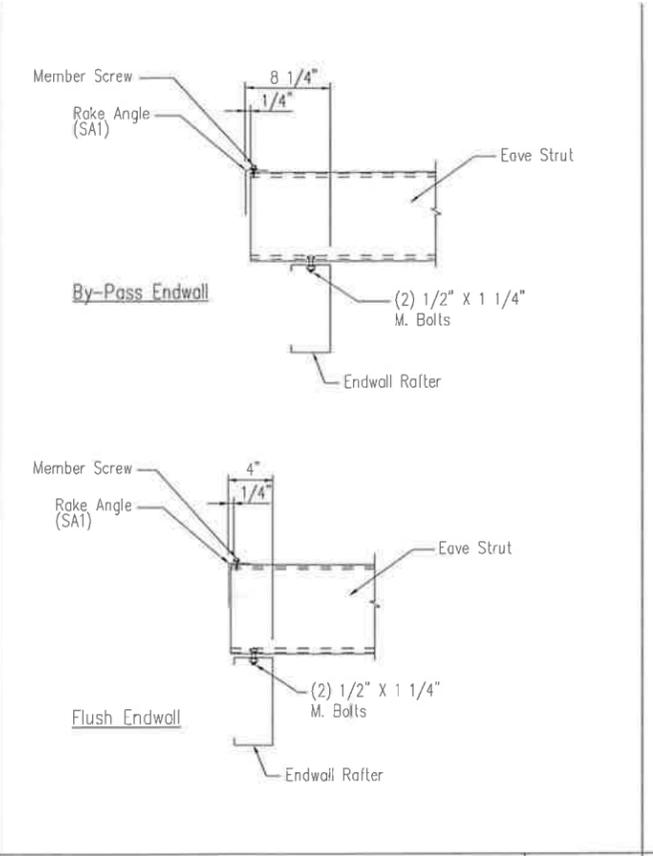
Section Thru Rake at Cold-Form Rafter

DRAWING NO. SD1



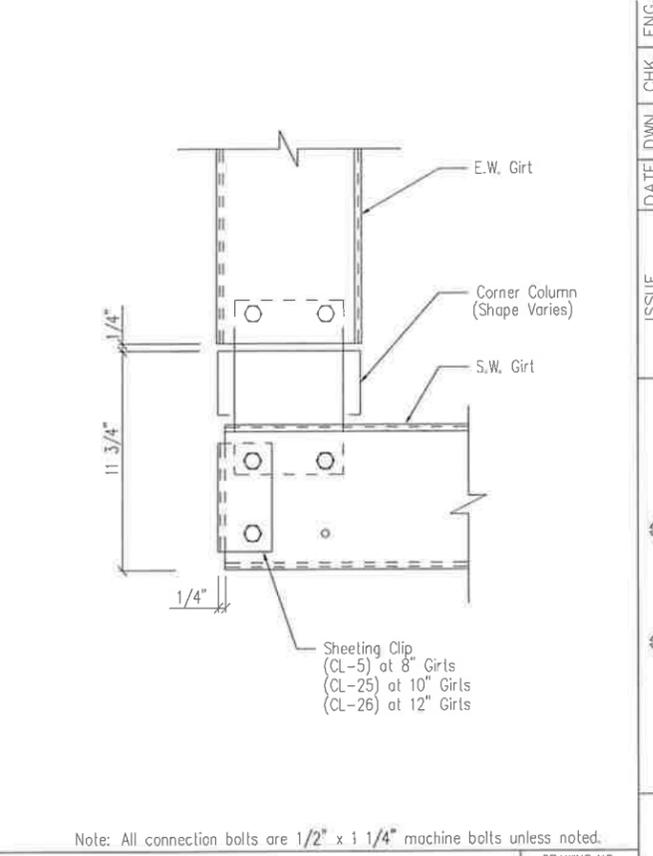
Cold Form Column to Cold Form Rafter

DRAWING NO. SD4



Eave Strut to Cold Form Rafter Connection

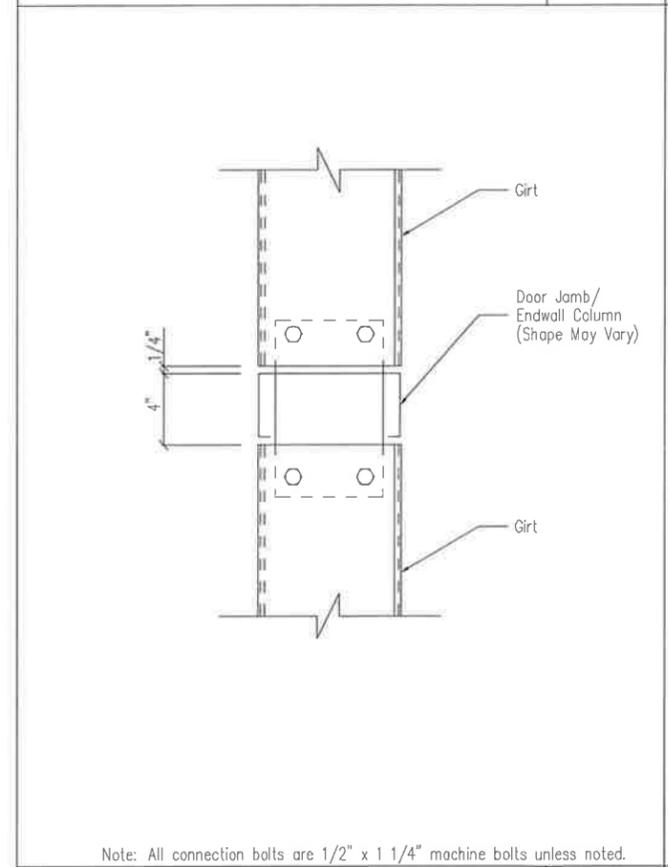
DRAWING NO. SD15



Section at "C" Corner Column
Flush Endwall

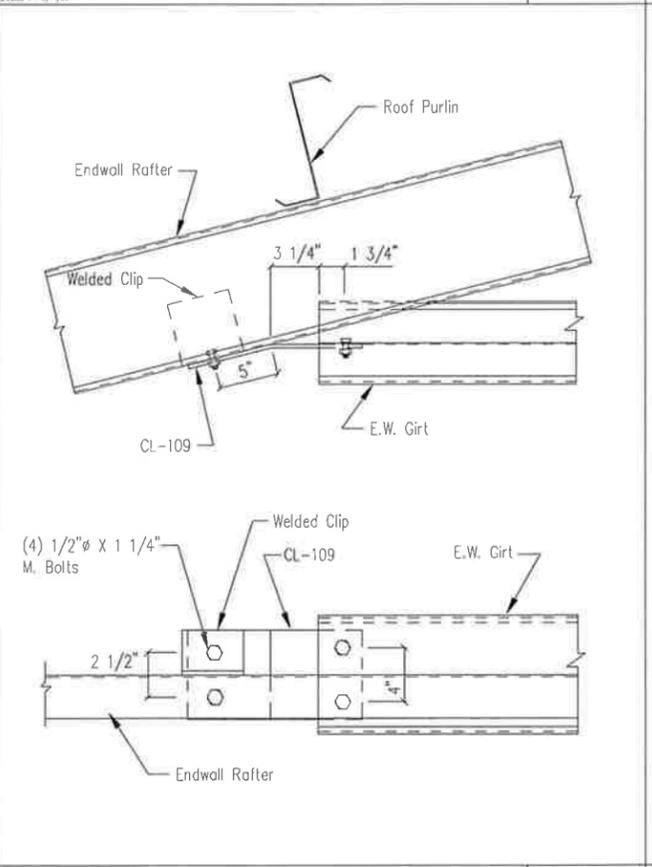
DRAWING NO. SD21

Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.



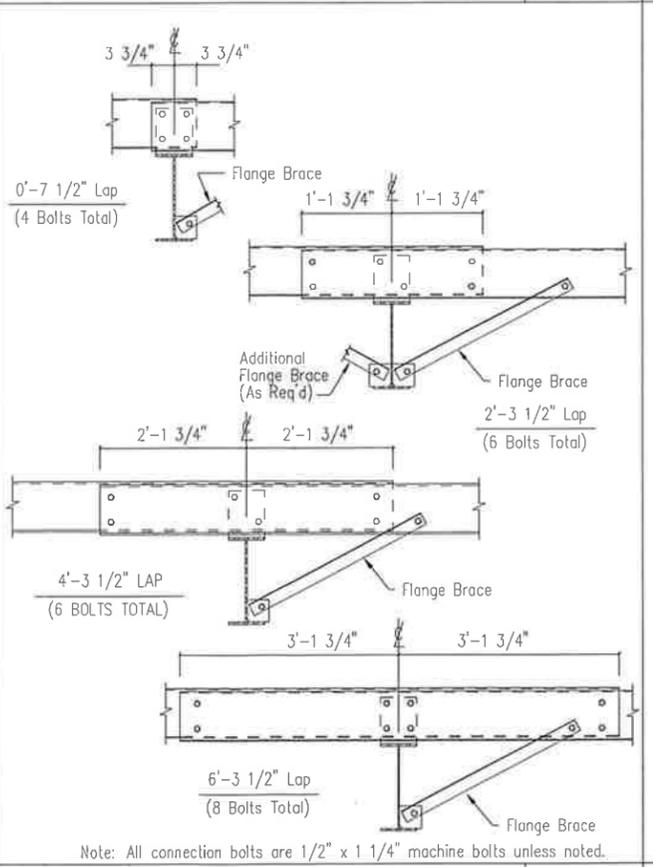
Girt to "C" Door Jamb/Endwall Column Connection

DRAWING NO. SD43



Endwall Girt to Cold Form Rafter

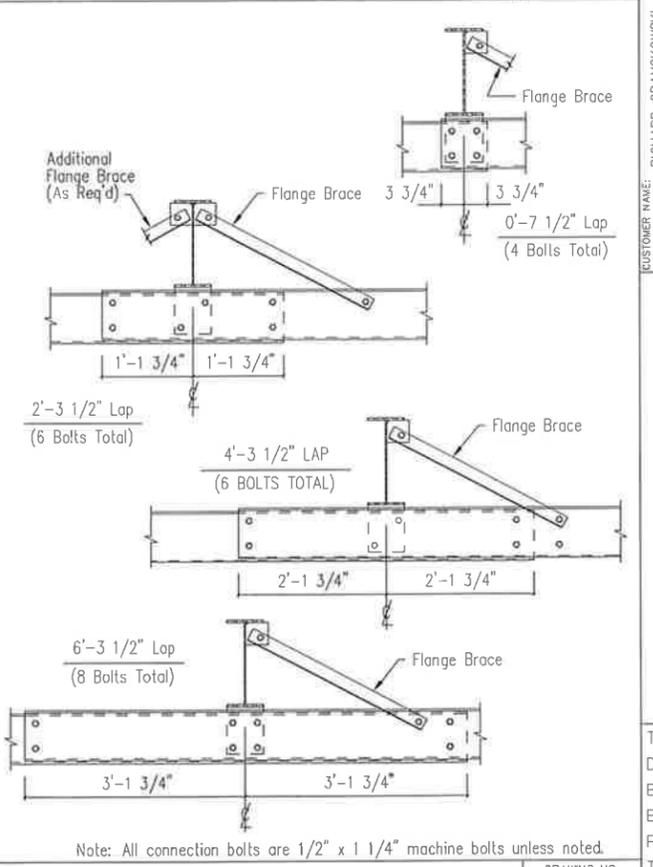
DRAWING NO. SD48



Interior Bay Purlin Framing

DRAWING NO. SD50

Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.



Interior Bay Girt Framing

DRAWING NO. SD51

Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

CHK. ENG.	
RTS	
MEZ	
DATE	
DWN.	
ISSUE	
APPROVAL	
PERMIT	
ERECTION	
REVISED PERMIT	

GWBB
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 AURORA, CO 80014
 PHONE: (800)-497-2135
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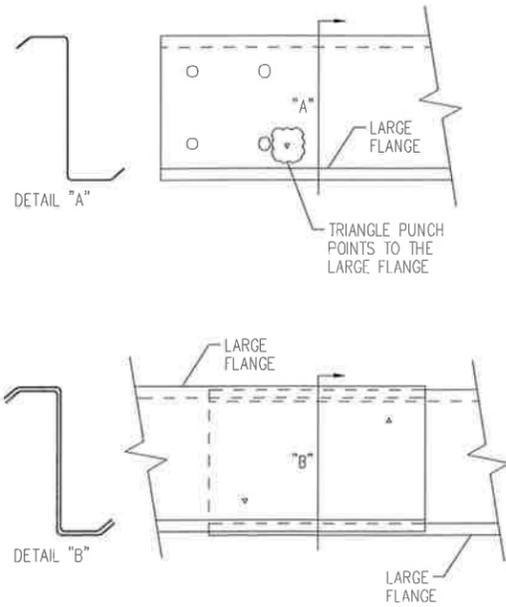
CUSTOMER NAME: RICHARD GRAYCZKOWSKI
 PROJECT NAME: RICHARD GRAYCZKOWSKI
 PROJECT LOCATION: 8615 U.S.-24, CASCADE, CO. 80809
 PROJECT COUNTY: EL PASO
 PROJECT END USE: WORKSHOP / GARAGE
 CUSTOMER PHONE NUMBER: 719.235.7218
 CUSTOMER EMAIL: REDSKIZONE@YAHOO.COM
 SCALE: N.T.S.

SHEET NUMBER: 12 OF 16
 JOB NUMBER: 93452R1
 SHEET TITLE: DETAIL DRAWINGS

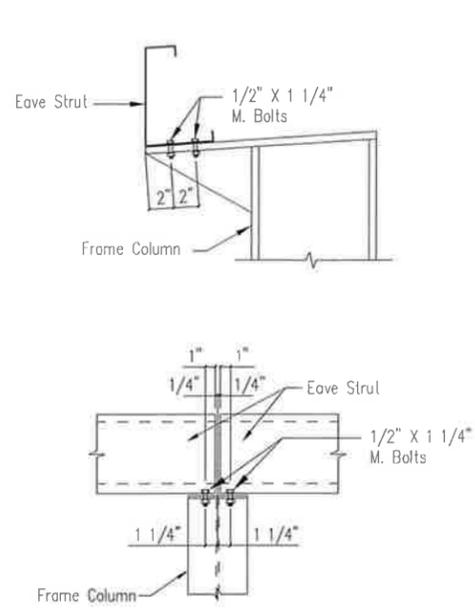


REVIEWED
 By Richard T Smith at 1:49 pm, Jan 27, 2022

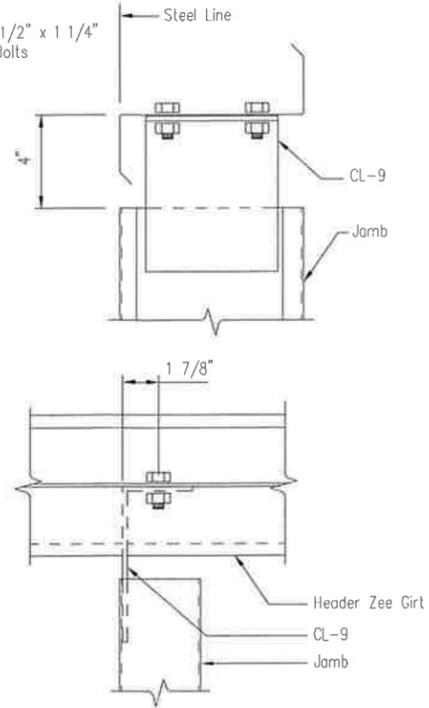
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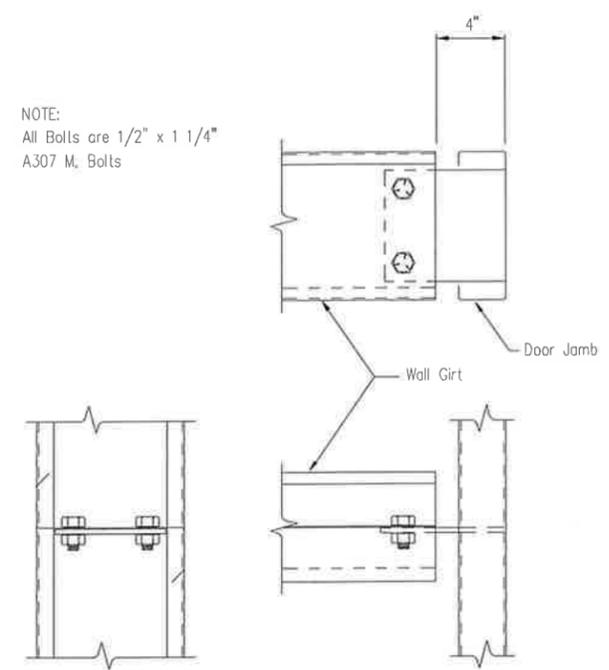
NOTE: THE LARGE FLANGE OF THE ZEE MUST BE ALTERNATED FROM TOP TO BOTTOM IN ORDER TO NEST THE MEMBER CORRECTLY. A TRIANGLE HAS BEEN ADDED TO THE END OF THE ZEE NEAR THE CONNECTION HOLES, THAT WILL POINT TO THE LARGE FLANGE OF THE MEMBER.



NOTE:
All Bolts are 1/2" x 1 1/4"
A307 Mach. Bolts



NOTE:
All Bolts are 1/2" x 1 1/4"
A307 M. Bolts



Bypass Zee Installation

DRAWING NO.
SD54

Eave Strut at Interior Column

By-Pass Sidewall

DRAWING NO.
SD59

Jamb to Header Girt

DRAWING NO.
SD94

Girt to Jamb

DRAWING NO.
SD96

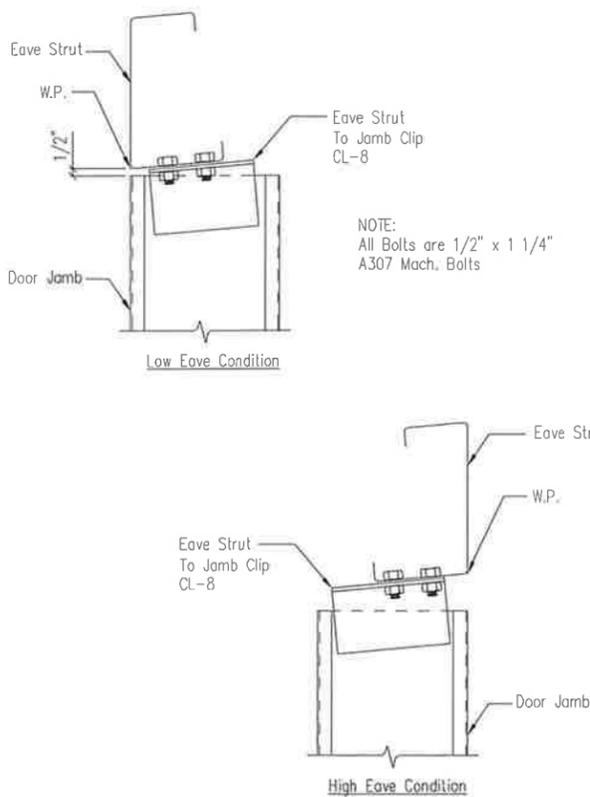
CUSTOMER NAME: RICHARD GRAYCOWSKI
PROJECT NAME: RICHARD GRAYCOWSKI
PROJECT LOCATION: 8615 U.S.-24, CASCADE, CO. 80809
PROJECT COUNTY: EL PASO
PROJECT END USE: WORKSHOP/GARAGE
CUSTOMER PHONE NUMBER: 719.235.7218
CUSTOMER EMAIL: REDSKIZONE@YAHOO.COM
SCALE: N.T.S.

GW B
3033 S. PARKER RD 12 FLOOR
AURORA, CO 80014
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

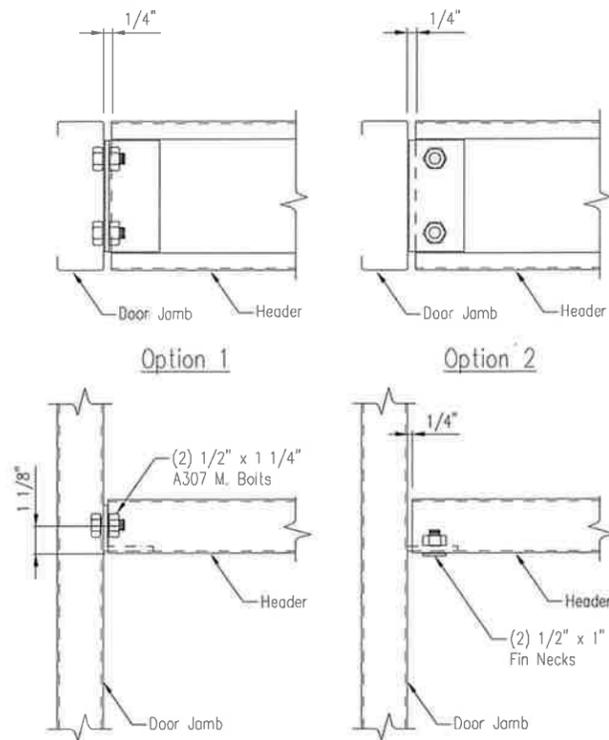
13 OF 16

93452R1

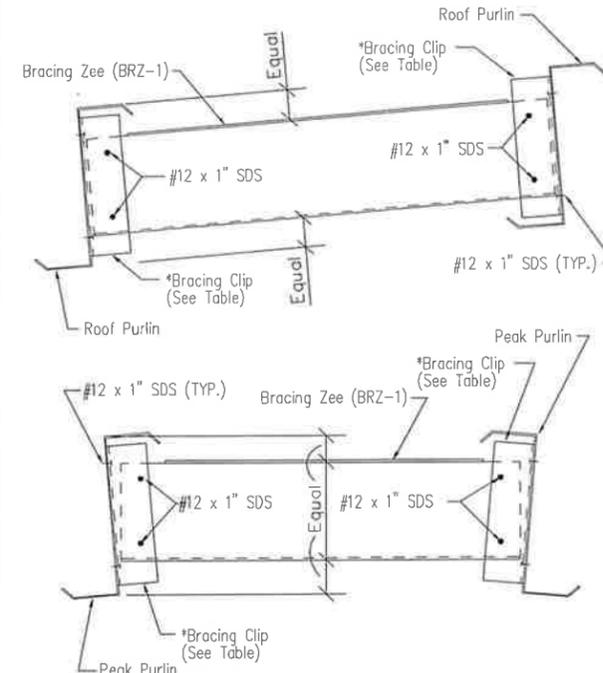
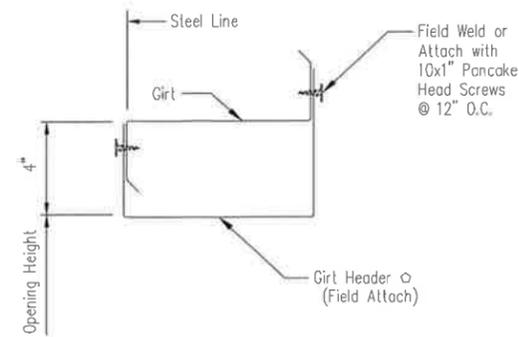
DETAIL DRAWINGS



NOTE:
All Bolts are 1/2" x 1 1/4"
A307 Mach. Bolts



MEMBER TABLE	
ZEE Size	Piece Mark
8"	GH-1
10"	GH-2
12"	GH-3



PURLIN DEPTH	BRACING CLIP
8"	BRC-7
10"	BRC-9
12"	BRC-11

Note: Bracing Clip locator buttons are to be placed in holes pre-drilled in purlins.

Jamb To Eave Strut
2:12 Roof Pitch and Higher

DRAWING NO.
SD97

Header/Sill to Jamb

DRAWING NO.
SD98

Framed Opening w/ Girt Header

DRAWING NO.
SD104

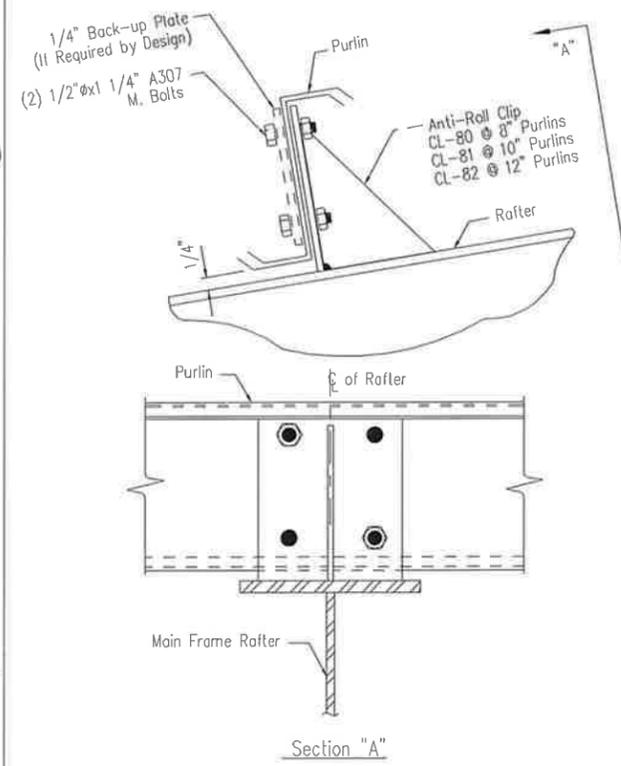
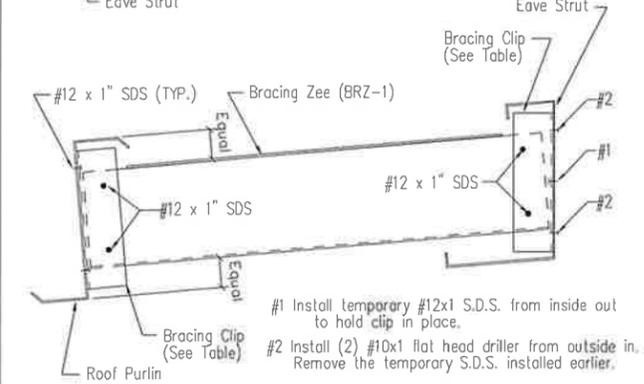
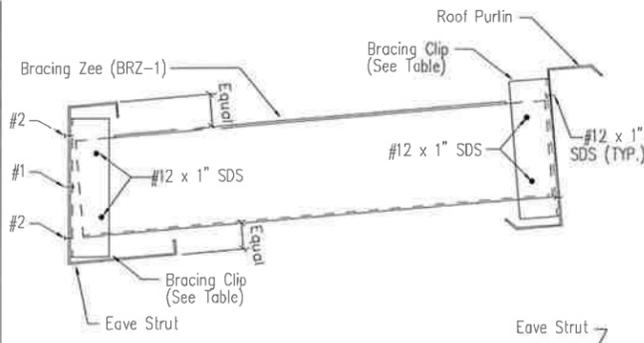
Intermediate Purlin Bridging

DRAWING NO.
SD105

REVIEWED
By Richard T Smith at 1:49 pm, Jan 27, 2022

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PURLIN DEPTH	BRACING CLIP	Note: Bracing Clip locator buttons are to be placed in holes pre-drilled in purlins. These locators are not to be used on the eave strut webs.
8"	BRC-7	
10"	BRC-9	
12"	BRC-11	

Eave Bridging

DRAWING NO.
SD106

Purlin to Anti-Roll Clip Connection

DRAWING NO.
SD115

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	03/30/21	MEZ	MEZ	RTS
PERMIT	06/21/21	MB	CAF	RTS
ERECTION	12/07/21	JMM	JMM	RTS
REVISED PERMIT	01/25/22	AA	CAF	RTS

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AURORA, CO 80014
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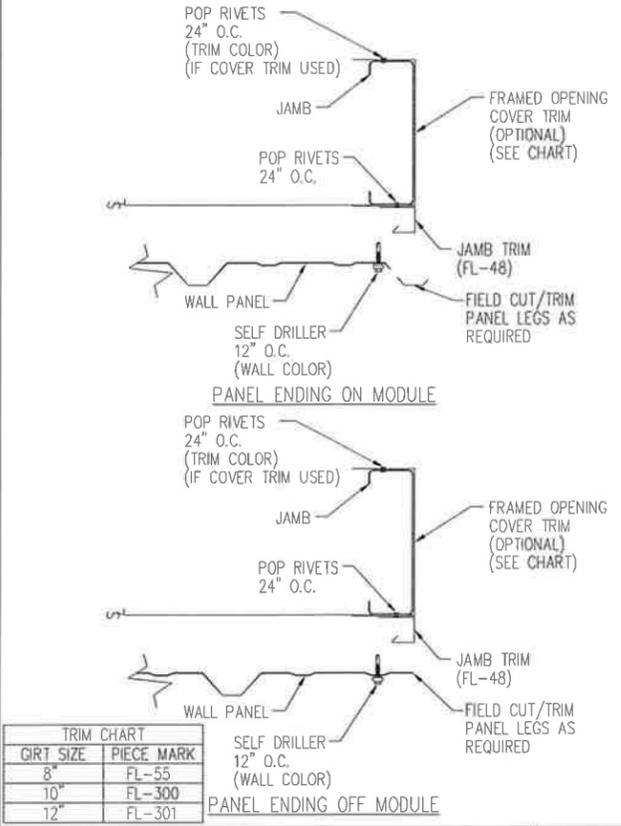
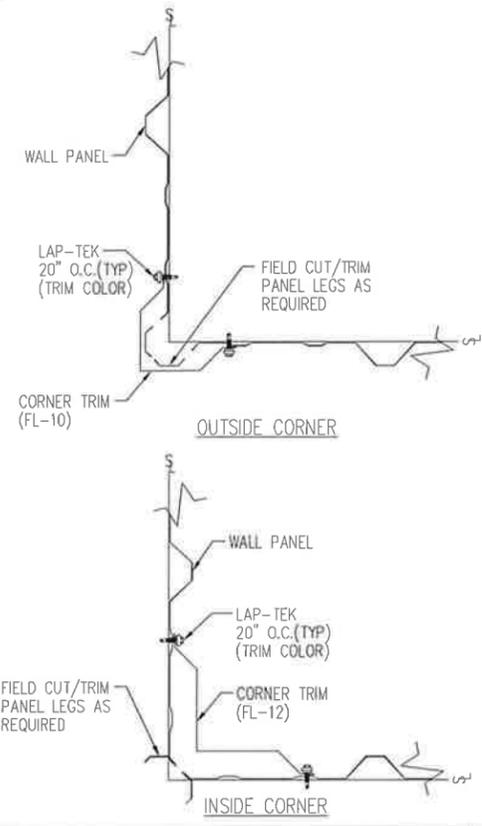
CUSTOMER NAME: RICHARD GRAYCZKOWSKI
PROJECT NAME: RICHARD GRAYCZKOWSKI
PROJECT LOCATION: 8615 US-24, CASCADE, CO 80809
PROJECT COUNTY: EL PASO
PROJECT END USE: WORKSHOP/GARAGE
CUSTOMER PHONE NUMBER: 719.235.7218
CUSTOMER EMAIL: REDSKIZONE@YAHOO.COM
SCALE: N.T.S.

SHEET NUMBER: 14 OF 16
JOB NUMBER: 93452R1
SHEET TITLE: DETAIL DRAWINGS

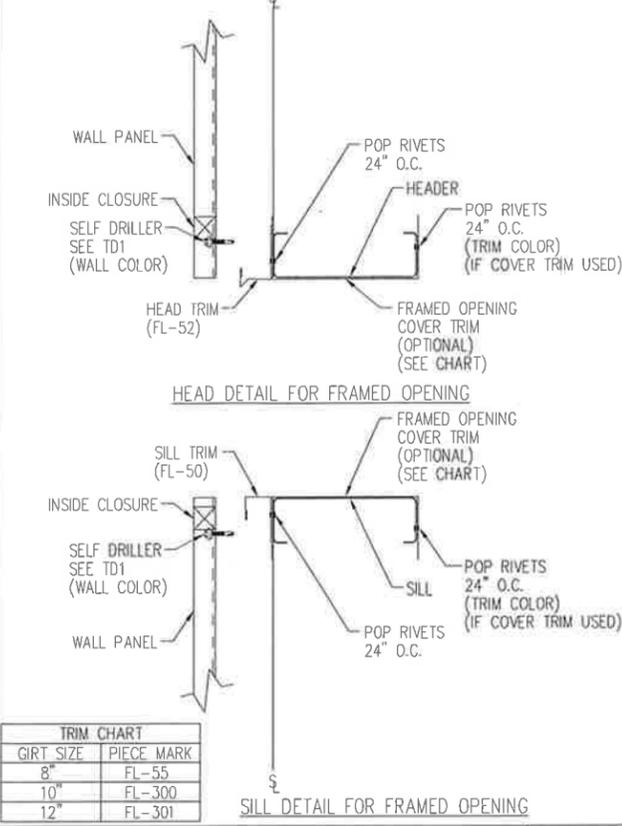


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By Richard T Smith at 1:49 pm, Jan 27, 2022

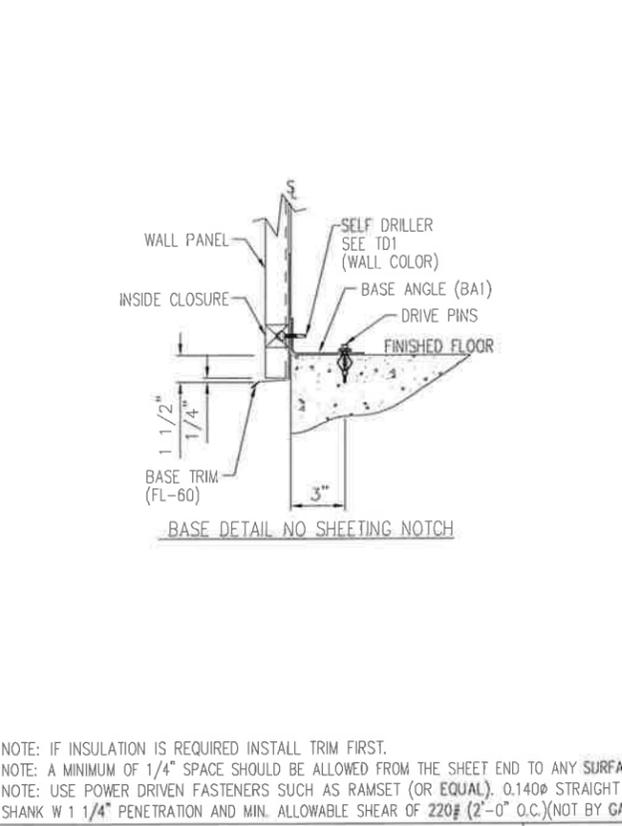
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TRIM CHART	
GIRT SIZE	PIECE MARK
8"	FL-55
10"	FL-300
12"	FL-301



TRIM CHART	
GIRT SIZE	PIECE MARK
8"	FL-55
10"	FL-300
12"	FL-301



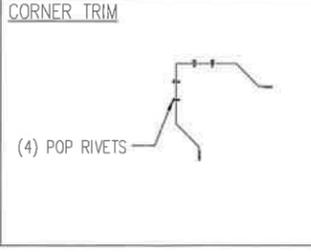
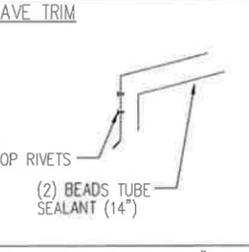
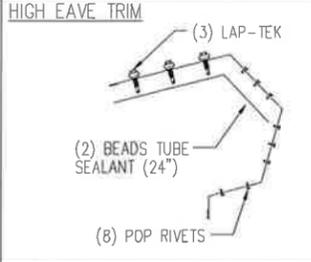
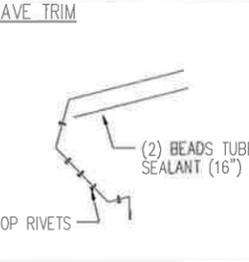
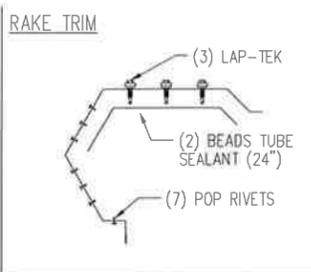
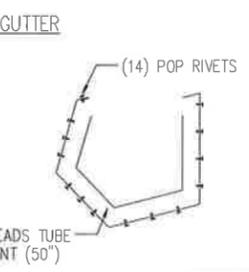
NOTE: IF INSULATION IS REQUIRED INSTALL TRIM FIRST.
 NOTE: A MINIMUM OF 1/4" SPACE SHOULD BE ALLOWED FROM THE SHEET END TO ANY SURFACE
 NOTE: USE POWER DRIVEN FASTENERS SUCH AS RAMSET (OR EQUAL), 0.1400" STRAIGHT SHANK W 1 1/4" PENETRATION AND MIN. ALLOWABLE SHEAR OF 220# (2"-0" O.C.) (NOT BY GAB)

Section at Corner Detail - PBR
 TD40

Framed Opening Jamb Detail - PBR
 TD51

Framed Opening Head and Sill Details - PBR
 TD52

Base Angle w/Trim Details
 TD74



NOTE: TRIM PROFILES MAY VARY; 2" MIN. LAP UNLESS NOTED
 NOTE: TUBE SEALANT (NOT BY G.A.B.)

Trim Laps - PBR Sculptured
 TD85

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	03/09/21	MEZ	MEZ	RTS
PERMIT	06/21/21	MB	CAF	RTS
ERECTION	12/01/21	JMM	JMM	RTS
REVISED PERMIT	01/25/22	AA	CAF	RTS

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CUSTOMER NAME: RICHARD GRAYCOWSKI
 PROJECT NAME: RICHARD GRAYCOWSKI
 PROJECT LOCATION: 8615 US-24, CASCADE, CO 80809
 PROJECT COUNTY: EL PASO
 PROJECT END USE: WORKSHOP/GARAGE
 CUSTOMER PHONE NUMBER: 719.235.7218
 CUSTOMER EMAIL: REDSKIZONE@YAHOO.COM
 SCALE: N.T.S.

SHEET NUMBER: 16 OF 16
 JOB NUMBER: 93452R1
 SHEET TITLE: DETAIL DRAWINGS

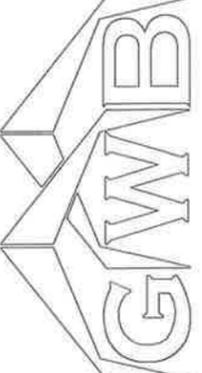
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 By Richard T Smith at 1:49 pm, Jan 27, 2022

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ANCHOR BOLT SUMMARY

QTY	LOCATE	DIA (in)	TYPE
12	JAMB	5/8"	A307
16	ENDWALL	5/8"	A307
16	FRAME	3/4"	A307

DATE	DWN.	CHK.	ENG.
03/20/21	MEZ	MEZ	RTS
06/21/21	MB	CAF	RTS
12/01/21	JMM	JMM	RTS
01/25/22	AA	CAF	RTS



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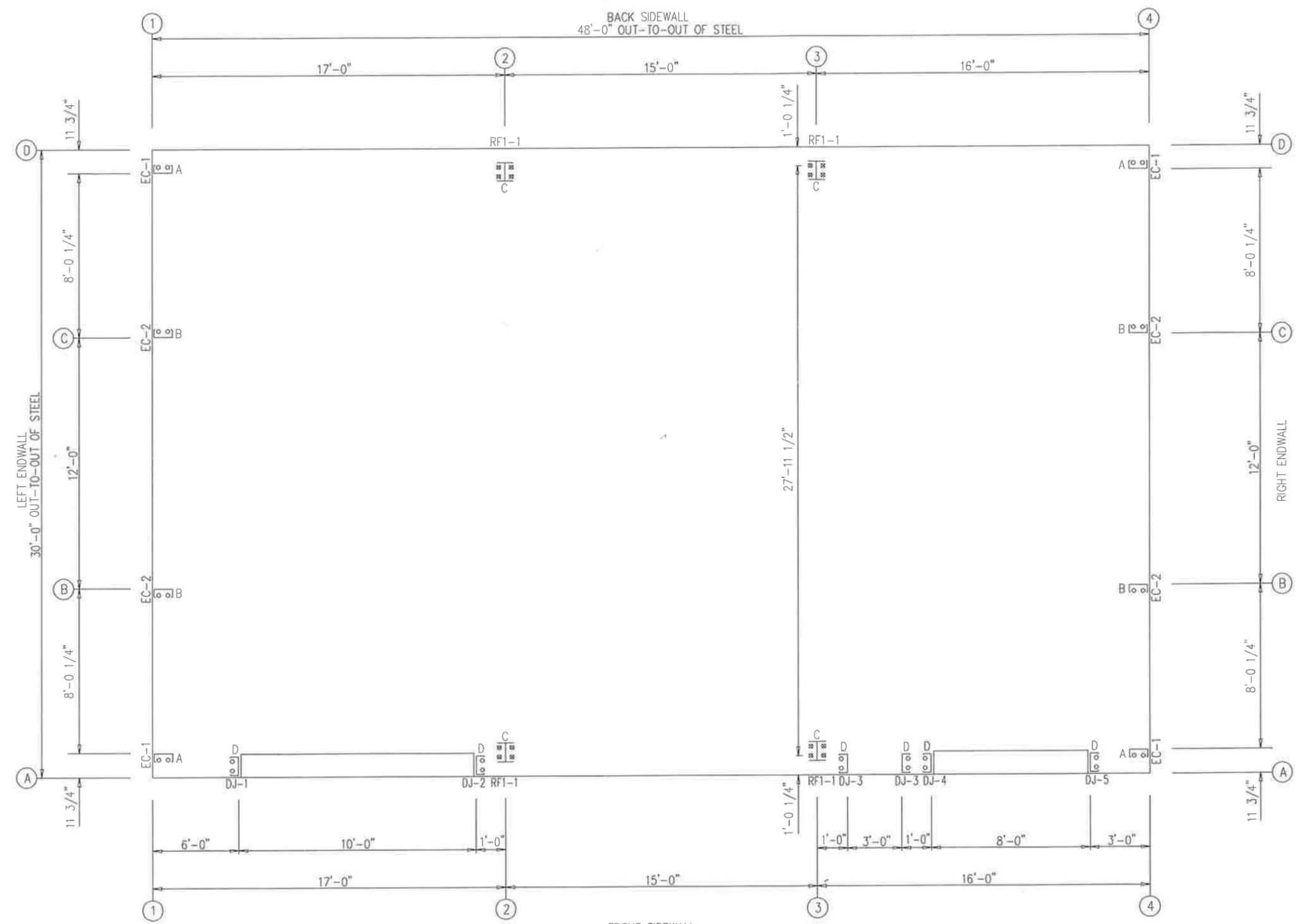
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 SCALE: N.T.S.

SHEET NUMBER: 3 OF 16
 JOB NUMBER: 93452R1
 SHEET TITLE: ANCHOR BOLT PLAN



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 By Richard T Smith at 1:49 pm, Jan 27, 2022

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ANCHOR BOLT PLAN
 NOTE: ALL BASE PLATES @ 100'-0" (U.N.)