

YAMPA VALLEY ELECTRIC ASSN. INC.
No changes to existing service or meter.
Approved: Jerry Nanio - YVEA.

Meter and meter panels are to be located
as described by YVEA. They shall not be
enclosed, covered or concealed.
Violation shall result in termination of
service.

R C R B D
RECORD SET

YVE
YAMPA VALLEY ENGINEERING, INC.

STRUCTURAL
MECHANICAL
ENGINEERING
DESIGN
DRAFTING
SERVICES

JAMES STEGMAIER, P.E.
1794 KAMAR PLAZA
P.O. BOX 772192
STEAMBOAT SPRINGS, CO
80477
970-870-9229
yvengr@yvengr.com

A METAL BUILDING FOR:
ROUTT COUNTY ROAD & BRIDGE

24500 COUNTY ROAD 27
OAK CREEK, COLORADO 80467

LEGAL DESCRIPTION

A PARCEL OF LAND LOCATED IN THE E $\frac{1}{2}$ OF SECTION 31,
TOWNSHIP 4 NORTH, RANGE 85 WEST OF THE 6TH P.M.
STATE OF COLORADO
ZONING = 1

PLANS FOR:
COUNTY METAL BUILDING
24500 COUNTY ROAD 27
OAK CREEK, COLORADO

JOB NO: 16-024
DRAWN: ECS
DATE: 05-20-2016

REVISIONS		
NO.	DATE	DRAWN

ELECTRICAL SUBJECT TO
APPROVAL AT
FIELD INSPECTION

SHEET NUMBER
T-1

GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE SPECIFIED AND IN ACCORDANCE WITH ALL APPLICABLE CODES, PERMITS AND LAWS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL NEW CONSTRUCTION ON THE SITE.
3. THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND CONDITIONS BEFORE STARTING WORK. IF A DISCREPANCY APPEARS BETWEEN CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS, NOTIFY YAMPA VALLEY ENGINEERING AT ONCE.
4. THE JOB SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY CONDUCT. THE JOB SITE SHALL BE FREE OF DEBRIS AND TRASH. MATERIALS AND EQUIPMENT SHALL BE REASONABLY PLACED. EACH SUB-CONTRACTOR ON COMPLETION OF HIS/HER PHASE OF THE JOB SHALL REMOVE ALL DEBRIS, TRASH AND EQUIPMENT.
5. ALL MATERIALS AND EQUIPMENT ON THE JOB SITE SHALL BE STACKED AND PROTECTED PROPERLY TO PREVENT DAMAGES AND OR DETERIORATION.
6. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS. ALL DIMENSIONS ARE TO FACE OF FRAMING AND FACE OF CONCRETE. ALL INTERIOR STUDS ARE TO BE 2X4 UNLESS OTHERWISE NOTED. ALL EXTERIOR STUDS ARE TO BE 2X6 UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL PROVIDE ALL BLOCKING, BACKING, AND FRAMING FOR LIGHT FIXTURES AND ELECTRICAL EQUIPMENT.
8. PROVIDE ALL ACCESS PANELS TO ALL ENCLOSED SPACES,VOIDS AND ATTICS AS REQUIRED BY GOVERNING CODES.

APPLICABLE CODES OF 2016

- 2009 INTERNATIONAL BUILDING CODE
- 2009 INTERNATIONAL MECHANICAL CODE
- 2009 INTERNATIONAL PLUMBING CODE
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE
- 2009 NATIONAL ELECTRIC CODE
- 2014

CODE ANALYSIS

YAMPA VALLEY ENGINEERING
P.O. BOX 77192
STEAMBOAT SPRINGS, CO 80477
970-870-9229

PROJECT LOCATION: 24500 COUNTY ROAD 27

PROJECT DESCRIPTION: TO ADD A NEW METAL BUILDING TO THE EXISTING METAL BUILDING WITH AN 2-HOUR 12' X 12' RATED WELDING AREA AND AN APPENDUM TO THE PREVIOUS PERMITTED BREAK ROOM

THIS CODE STUDY IS BASED ON THE 2009 INTERNATIONAL BUILDING CODE & 2009 INTERNATIONAL ENERGY CONSERVATION CODE

BASIC BUILDING DESCRIPTION:

TYPE OF CONSTRUCTION = IIB-NON-SPRINKLERED
2-HOUR FIRE SEPARATION BETWEEN THE WELDING AREA AND THE REST OF THE BUILDING.

HEIGHT OF BUILDING:

ACTUAL HEIGHT OF BUILDING = 29'-6 1/2" FT. ALLOWED BUILDING HEIGHT = 55'-0"

SQUARE FOOTAGE

FIRST STORY-ACTUAL SQFT=4,000 ALLOWED SQFT=12,000

STORIES

ACTUAL STORIES = 1 ALLOWED STORIES = 2

EXIT/EGRESS

FIRST FLOOR:

VEHICLE REPAIR/WAREHOUSE: GROUP F-1 REQ'D EXITS = 2, ACTUAL EXITS = 2, MAX TRAVEL DISTANCE = 75'-0"

ACTUAL MAX TRAVEL DISTANCE = 75'-0"

DOOR SWING = ANY

WELDING AREA: GROUP H-9 REQ'D EXITS =1, ACTUAL EXITS = 2

2-HOUR FIRE SEPARATION BETWEEN ALL OTHER OCCUPANTS.

OCCUPANTS = 6,000 SQFT/500 = 12 OCC.

VENTILATION REQUIREMENTS: VENTILATION REPAIR GARAGES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE. THE VENTILATION SYSTEM SHALL BE CONTROLLED AT THE ENTRANCE TO THE GARAGE.

ACCESSIBILITY REQUIREMENTS: AT GROUND LEVEL ENTRANCE AND A UNI-SEX ADA BATHROOM.

SHEET INDEX

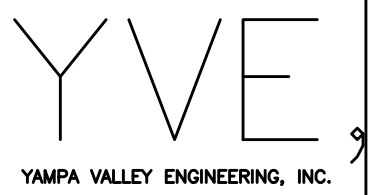
ARCHITECTURALS

- T-1 TITLE SHEET
- A-0 INFO SHEET
- C-1 SITE PLAN
- A-1 PROPOSED MAIN LEVEL FLOOR PLAN
- A-2 PROPOSED MAIN LEVEL FLOOR PLAN
- A-3 PROPOSED UPPER LEVEL FLOOR PLAN ,SECTION AND DETAILS

STRUCTURALS & MEP.

- S-1 FOUNDATION PLAN
- S-2 FOUNDATIONS DETAILS
- M-1 HVAC PLAN
- M-2 HVAC PLAN
- M-3 HVAC SCHEDULE & NOTES
- E-100 SCHEDULES & LINE DIAGRAM
- E-101 PANEL SCHEDULES AND LOAD CALCULATIONS
- E-200 SPECIFICATIONS
- P-1 PLUMBING PLAN
- P-2 PLUMBING PLAN
- P-3 LINE DIAGRAM & NOTES

**RCRBD
RECORD SET**



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PROPOSED PROJECT



VICINITY MAP ^N

SYMBOLS	
	WINDOW TAG
	DOOR ID (TOP) DOOR WIDTH (BOTTOM)
	SECTION MARK
	DETAIL NUMBER W/ SHEET NUMBER
	EXHAUST FAN
	SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	FLOOR DRAIN
	ROOF SLOPE
	EL. = 105'-0" TO FLYWOOD TOP OF ELEVATION

LEGEND	
	2x4 WALL
	2x6 WALL
	2-HOUR AREA RATED WALL

PROJECT DIRECTORY

OWNER
RAUT COUNTY
P.O. BOX 773598
STEAMBOAT SPRINGS, CO 80477

LICENSED DESIGN
PROFESSIONAL &
STRUCTURAL ENGINEER
YAMPA VALLEY ENGINEERING, INC.
1794 KAMAR PLAZA
P.O. BOX 772192
STEAMBOAT SPRINGS, COLORADO 80477
970-870-9229
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CONTRACTOR
TYKE PIERCE
38615 KLIEN Rd
STEAMBOAT SPRINGS, COLORADO 80487
970-879-8568
tpierce@tykepierceconstruction.com

**ELECTRICAL SUBJECT TO
APPROVAL AT
FIELD INSPECTION**

PLANS FOR:
COUNTY METAL BUILDING
24500 COUNTY ROAD 27
OAK CREEK, COLORADO

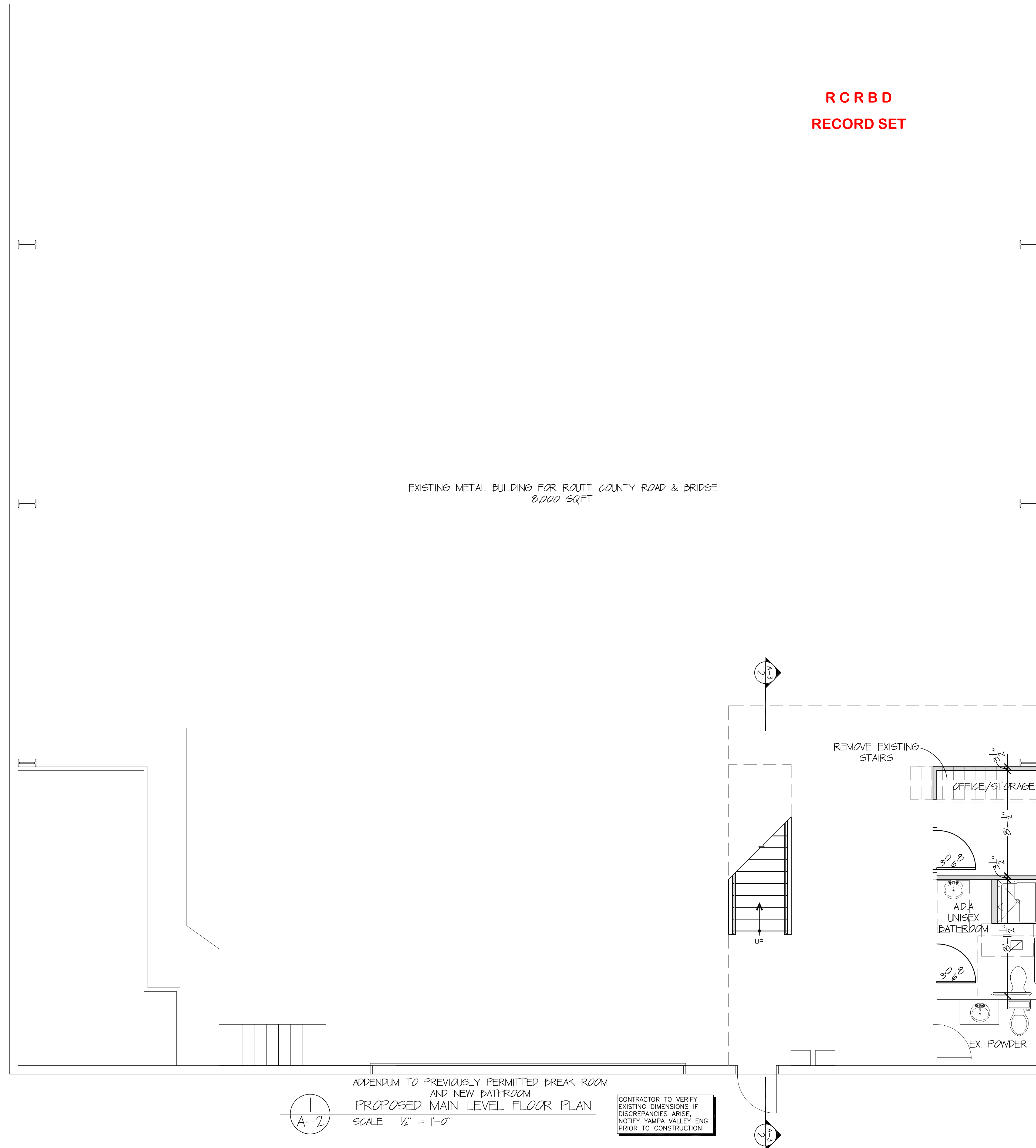
JOB NO: 16-024
DRAWN: ECS
DATE: 05-20-2016

REVISIONS		
NO.	DATE	DRAWN

SHEET NUMBER
A-0

R C R B D
RECORD SET

EXISTING METAL BUILDING FOR ROUTT COUNTY ROAD & BRIDGE
 8,000 SQ.FT.



PLANS FOR:
COUNTY METAL BUILDING
 24500 COUNTY ROAD 27
 OAK CREEK, COLORADO

JOB NO: 16-024
 DRAWN: ECS
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SHEET NUMBER
A-2

APPENDUM TO PREVIOUSLY PERMITTED BREAK ROOM
 AND NEW BATHROOM
PROPOSED MAIN LEVEL FLOOR PLAN
 SCALE 1/4" = 1'-0"
 CONTRACTOR TO VERIFY
 EXISTING DIMENSIONS IF
 DISCREPANCIES ARISE.
 NOTIFY YAMPA VALLEY ENG.
 PRIOR TO CONSTRUCTION

EXISTING METAL BUILDING FOR ROUTT COUNTY ROAD & BRIDGE
3,000 SQ.FT.

R C R B D
RECORD SET

Clearance: Clear space between handrail and wall shall be 1 1/2 inches (38 mm) minimum.

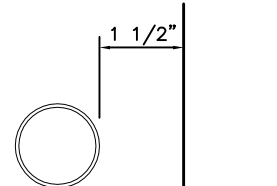


Fig. 505.5
Handrail Clearance

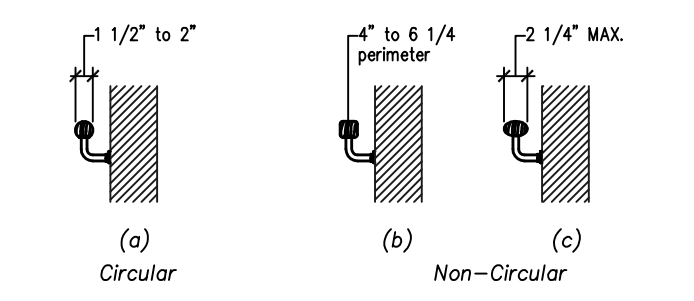
Gripping Surface: Gripping surfaces shall be continuous, without interruption by newel posts, or other construction elements, or obstructions.

EXCEPTION: Handrail brackets or balusters attached to the bottom surface of the handrail shall not be considered obstructions provided they comply with the following criteria:

- not more than 20 percent of the handrail length is obstructed,
- horizontal projections beyond the sides of the handrail occur 2 1/2 inches (64 mm) minimum below the bottom of the handrail, and
- edges have a 1/8 inch (3.2 mm) minimum radius.

Cross Section: Handrails shall have a circular cross section with an outside diameter of 1 1/4 inch (32 mm) minimum and 2 inches (51 mm) maximum, or shall provide equivalent graspability complying with Section 505.7.1.

Non-Circular Cross Section: Handrails with other shapes shall be permitted provided they have a perimeter dimension of 4 inches (102 mm) minimum and 6 1/4 inches (160 mm) maximum, and provided their largest cross-section dimension is 2 1/4 inches (57 mm) maximum.

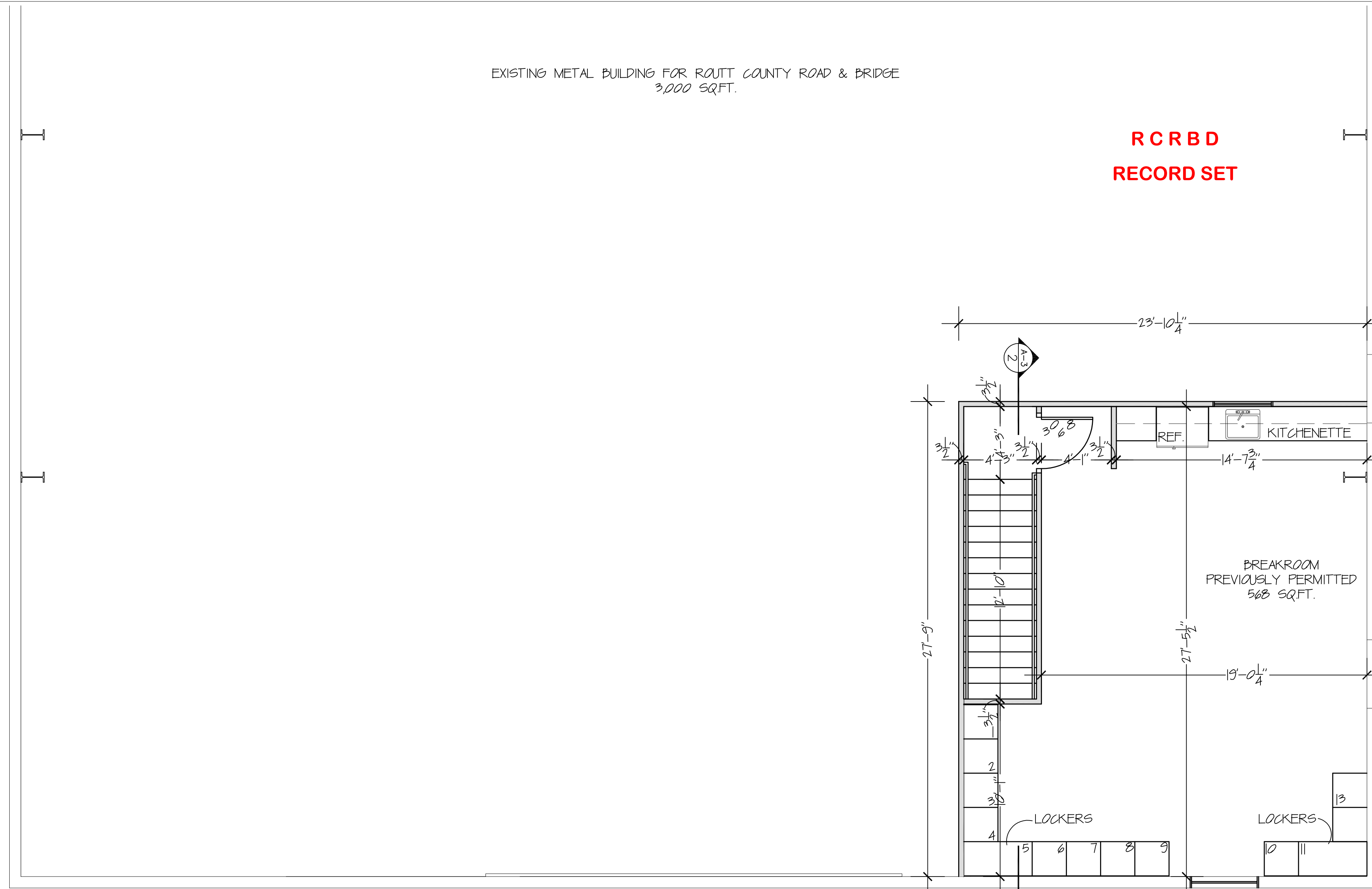


(a) Circular (b) Non-Circular (c) Non-Circular

Handrail Extensions: Handrails for stairs and ramps shall have extensions complying with Sections 505.10.1 through 505.10.3.

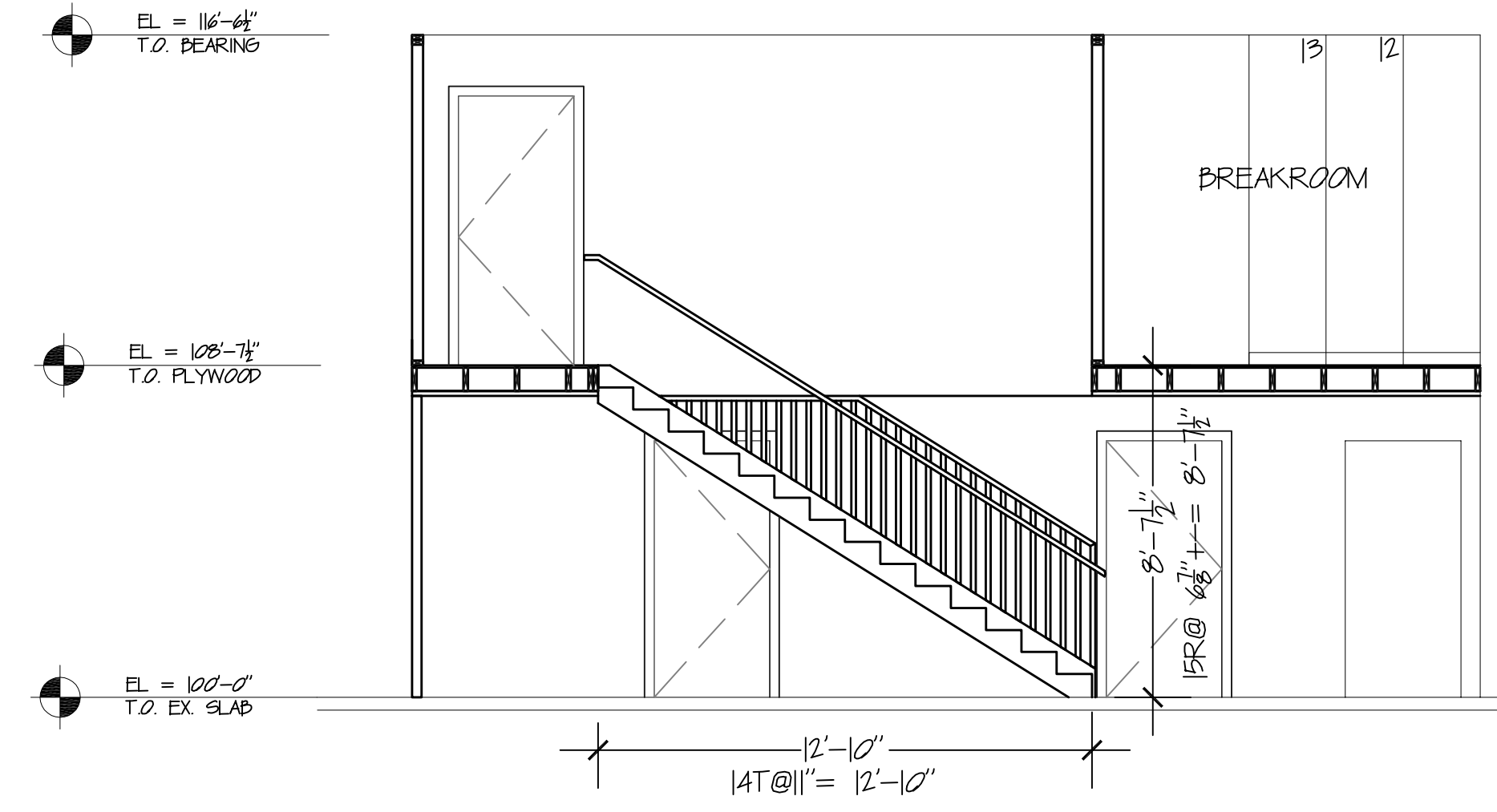
Top Extension at Stairs: At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Such extension shall return to a wall, guard, or the walking surface, or shall be continuous to the handrail of an adjacent stair flight.

Bottom Extension at Stairs: At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance equal to one tread depth beyond the last riser nosing. Such extension shall continue with a horizontal extension or shall be continuous to the handrail of an adjacent stair flight or shall return to a wall, guard, or the walking surface. If provided at the bottom of a stair flight, a horizontal extension of a handrail shall be 12 inches (305 mm) long minimum and a height equal to that of the sloping portion of the handrail as measured above the stair nosings. Such extension shall return to a wall, guard, or the walking surface, or shall be continuous to the handrail of an adjacent stair flight.



1
A-3 PROPOSED UPPER LEVEL FLOOR PLAN
SCALE 1/4" = 1'-0"

CONTRACTOR TO VERIFY EXISTING DIMENSIONS IF DISCREPANCIES ARISE, NOTIFY YAMPA VALLEY ENG. PRIOR TO CONSTRUCTION



2
A-3 PROPOSED STAIR SECTION
SCALE 1/4" = 1'-0"

1029.11 HANDRAILS
STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE.
HANDRAILS SHALL BE ADEQUATE IN STRENGTH AND ATTACHMENT.
EXCEPTIONS:
1029.12 HANDRAILS & GUARDS
IN GROUP 1-3, F, H AND S OCCUPANCIES, FOR AREAS THAT ARE NOT ACCESSIBLE TO THE GENERAL PUBLIC AND THAT HAVE AN OCCUPANT LOAD LESS THAN 50, THE MINIMUM LOAD SHALL BE 20 POUNDS PER FOOT (0.29 kN/m)
1029.15 HANDRAIL EXTENSIONS
HANDRAILS SHALL RETURN TO A WALL, GUARD OR THE WALKING SURFACE OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT. WHERE HANDRAILS ARE NOT CONTINUOUS BETWEEN FLIGHTS, THE HANDRAILS SHALL EXTEND HORIZONTALLY AT LEAST 12 INCHES BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR A DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER.
1029.16 CLEARANCE
CLEAR SPACE BETWEEN A HANDRAIL AND A WALL OR OTHER SURFACE SHALL BE A MINIMUM OF 15 INCHES. A HANDRAIL AND A WALL OR OTHER SURFACE ADJACENT TO THE HANDRAIL SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS.
1029.17 STAIRWAY PROJECTIONS
PROJECTIONS INTO THE REQUIRED WIDTH AT EACH HANDRAIL SHALL NOT EXCEED 45 INCHES AT OR BELOW THE HANDRAIL HEIGHT. PROJECTIONS INTO THE REQUIRED WIDTH SHALL NOT BE LIMITED ABOVE THE MINIMUM HEADROOM HEIGHT OF 80 INCHES.

NOTES FOR EXIT REQUIREMENTS FOR THE BREAK ROOM ADDENDUM.
EXIT ENCLOSURES: A STAIRWAY IS NOT REQUIRED TO BE ENCLOSED WHEN THE STAIRWAY SERVES AN OCCUPANT LOAD LESS THAN 10 AND THE STAIRWAY COMPLES WITH EITHER EXCEPTION 11 OR 12 BASED ON SECTION 1022.
THE MEANS OF EGRESS ILLUMINATION INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED, BASED ON SECTION 1006.
DOOR SWING: IS BASED ON SECTION 1028.12.
HANDRAILS: STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE PER SEC. 1029.11.
EXIT SEPARATION: IN AREAS WHERE 2 EXITS ARE REQD, THE MINIMUM SEPARATION IS 1/2 OF THE MAXIMUM DIAGONAL OF THE AREA OR FLOOR MEASURED IN A STRAIGHT LINE BETWEEN EXITS OR EXIT ACCESS DOORWAYS.
BASED ON SECTION 1062.1.
EGRESS DOORS: SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT, BASED ON SECTION 1029.19.
TRAVEL DISTANCE: IS BASED ON SECTION 1016.1

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PLANS FOR:
COUNTY METAL BUILDING
24500 COUNTY ROAD 27
OAK CREEK, COLORADO

JOB NO: 16-024
DRAWN: ECS
DATE: 06-07-2016

REVISIONS		
NO.	DATE	DRAWN

SHEET NUMBER
A-3



PROJECT NUMBER: U1600196A
 PROJECT NAME: Routt County Road & Bridge
 PROJECT LOCATION: Oak Creek CO
 CUSTOMER: Routt County Road & Bridge

RCRBD
RECORD SET

STRUCTURAL TESTS AND INSPECTION:

- 1) THE SPECIAL INSPECTOR'S DUTIES ARE AS DESCRIBED IN SPECIAL INSPECTION. THE SPECIAL INSPECTOR'S DUTIES ARE AS DESCRIBED IN IBC 1704.3 AND IBC 1705
- 2) ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AND INSPECTION AGENCY EMPLOYED BY THE OWNER OR ARCHITECT.
- 3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE TEST AND INSPECTION FIRM WITH A SCHEDULE TO FACILITATE THE PROPER COORDINATION OF WORK.
- 4) PORTIONS OF WORK REQUIRING SPECIAL INSPECTION:

AGENCY RESPONSIBLE FOR INSPECTION AND TESTING TO BE NAMED BY OWNER LATER.

A. STRUCTURAL STEEL:

1. MILL REPORTS AND IDENTIFICATION OF STEEL (AFFIDAVIT OF COMPLIANCE)
2. SAMPLING AND TESTING OF SPECIMENS

B. WELDING:

1. ALL STRUCTURAL WELDING (INCLUDES DECKING AND WELDED STUDS), EXCEPT WELDING IN APPROVED SHOPS PER IBC 1704.2.2
2. ULTRASONIC TESTING OF FULL PENETRATION WELD CONNECTIONS AT MOMENT FRAMES, BRACED FRAMES, BEAM SPLICES, AND FIELD WELDS.
3. STRUCTURAL LIGHT GAGE METAL FRAME WELDING

C. BOLTING:

1. HIGH STRENGTH BOLT A325SC AND A490SC (PRETENSION VERIFICATION)
2. HIGH STRENGTH BOLT A325N AND A490X (PER COVER SHEET NOTES)
3. EXPANSION/ADHESIVE ANCHORS IN CONCRETE OR MASONRY

YES	NO	N/A
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Anchor Bolt Plans for Const.	PMG	GRJ	RHW	CDS	04/15/16
Permit Drawings	PMG	GRJ	RHW	CDS	04/15/16

OLYMPIA STEEL BUILDING SYSTEMS
 400 ISLAND AVENUE
 MCKEES ROCKS, PA 15136
 PHONE: (888) 449-7756

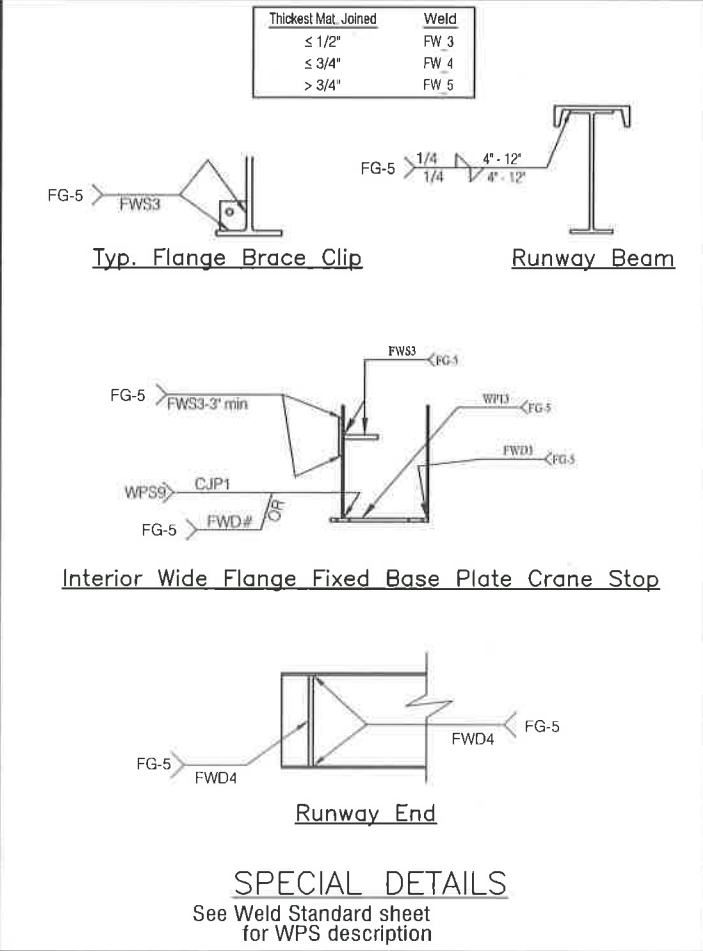
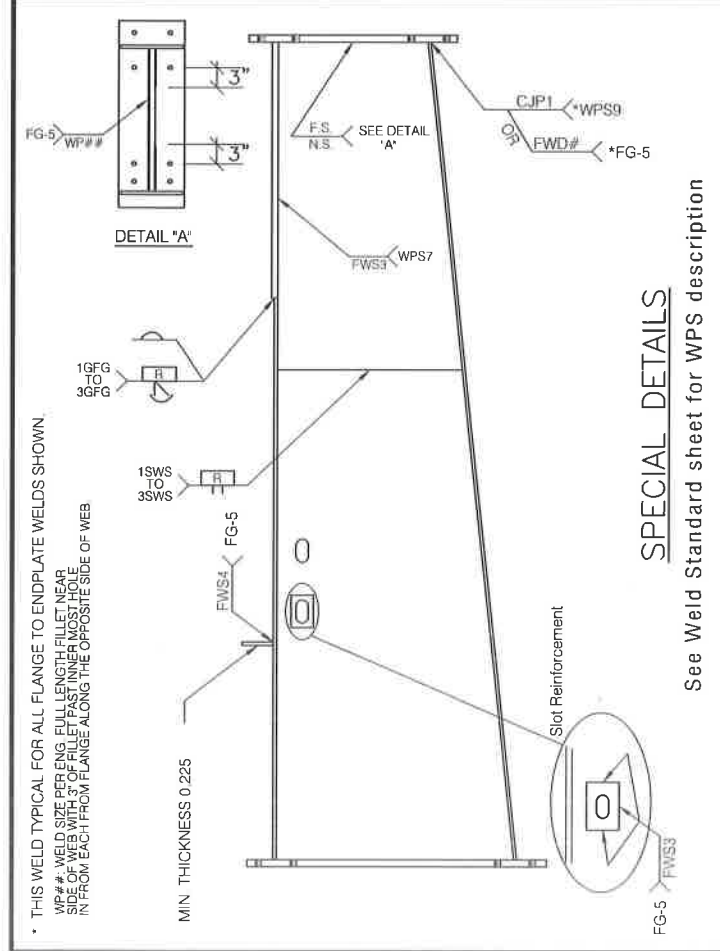
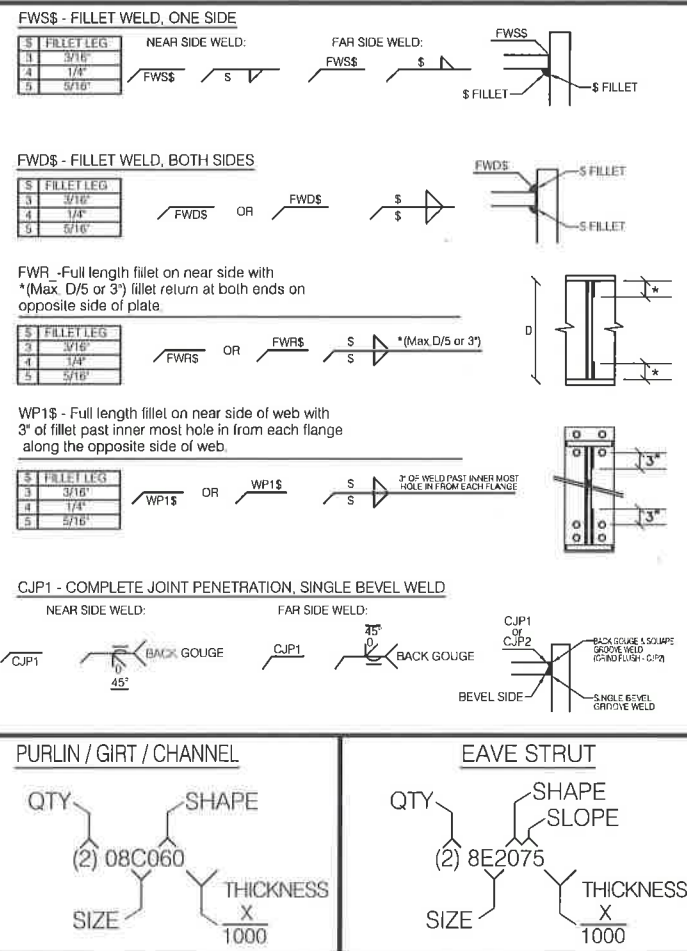
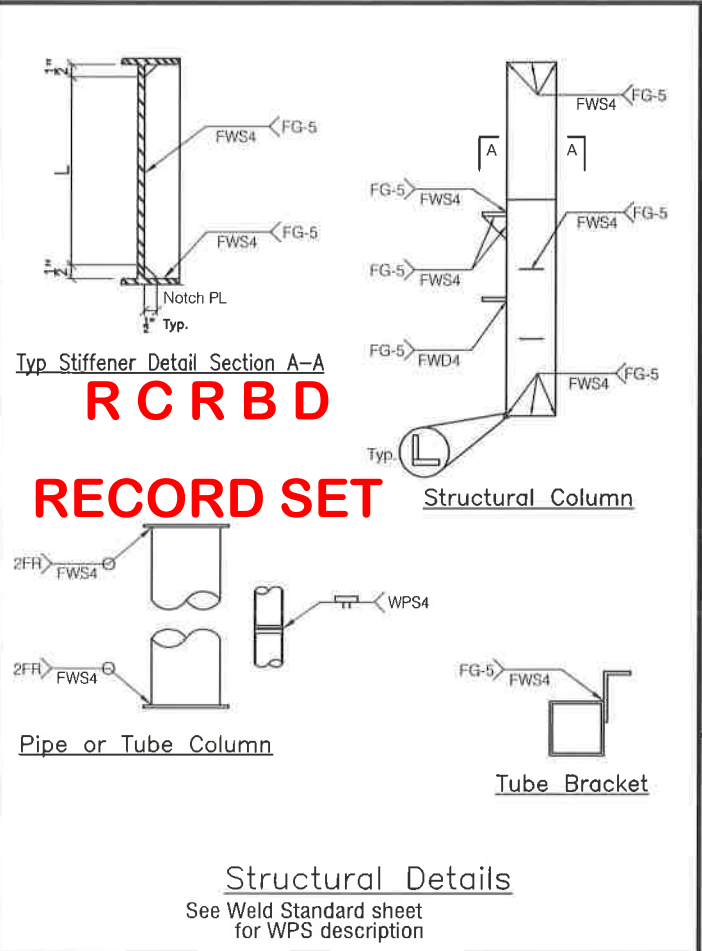
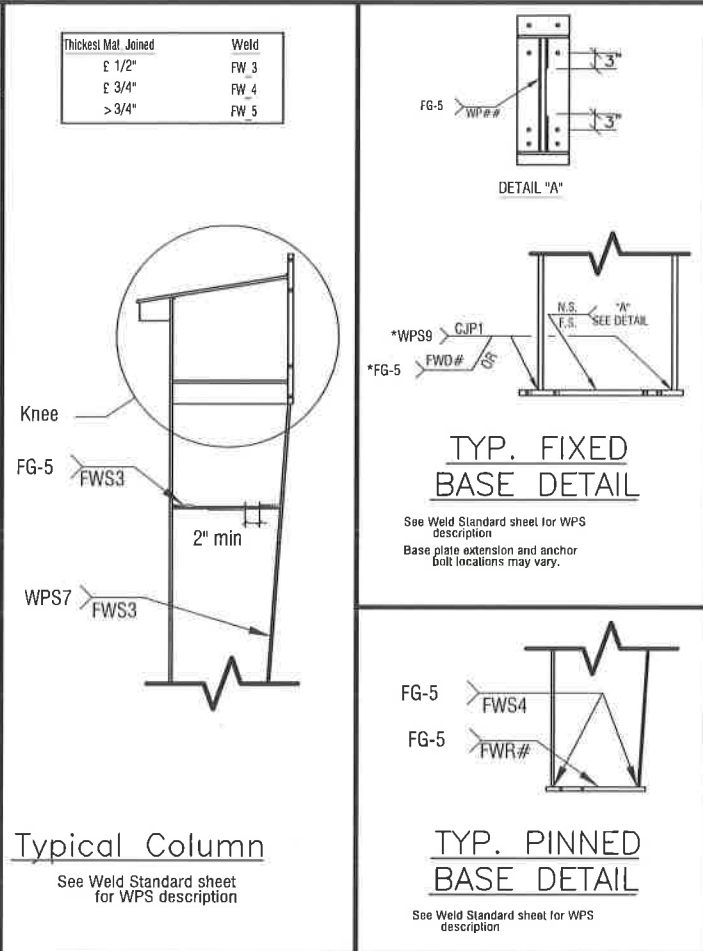
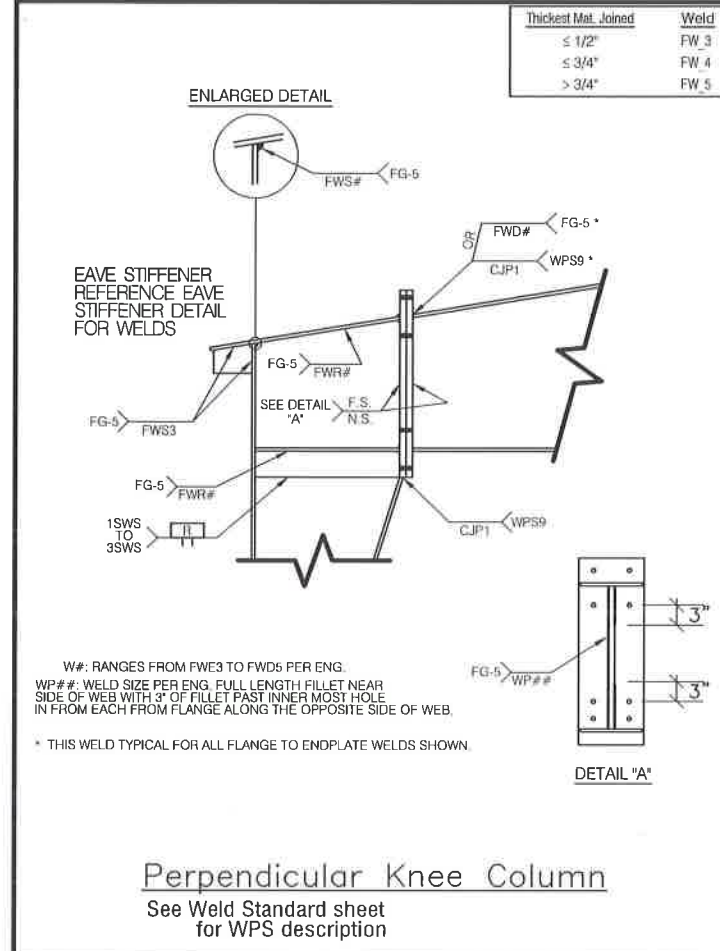
PROJECT NAME
 ROUNT COUNTY ROAD & BRIDGE
 OAK CREEK CO
 CUSTOMER NAME
 ROUNT COUNTY ROAD & BRIDGE
 STEAMBOAT SPRINGS CO
 JOB NUMBER
 U1600196A



SHEET
 C2 of 3

STANDARD WELDS AND LEGEND

DATE: 04/15/16
 RHW CDS 04/15/16
 GRJ RHW CDS 04/15/16
 PMG CRJ RHW CDS 04/15/16
 PMG CRJ RHW CDS 04/15/16



WPS #	Description	Weld Code	Process	Position	Limitation	Plant Location		UT	IN	SC	TX
						UT	IN				
FG-4	1/8" & 3/16" multi-pass fillet weld	AWSD1-1-10	GMW (CF seam weld) (fillet weld)	1G	1/8" - 1/4"	X	X	X	X	X	X
FG-5	1/8" & 3/16" single-pass fillet weld	AWSD1-1-10	GMW (CF seam weld) (fillet weld)	2F	1/8" - 1/4"	X	X	X	X	X	X
1GFG	1/8" through 1" flange splice	AWSD1-1-10	GMW (CF seam weld) (fillet weld)	1G	3/16" - 1"	X	X	X	X	X	X
2GFG	1/8" flange splice	AWSD1-1-10	GMW (CF seam weld) (fillet weld)	1G	3/16" - 1"	X	X	X	X	X	X
3GFG	1/2" to 1" flange splice	AWSD1-1-10	GMW (CF seam weld) (fillet weld)	1G-2F	1/2" - 1"	X	X	X	X	X	X
2036	1/2" to 1" flange splice	AWSD1-1-10	GMW (CF seam weld) (fillet weld)	1G-2F	1/2" - 1"	X	X	X	X	X	X
5GFG	1" flange splice	AWSD1-1-10	GMW (CF seam weld) (fillet weld)	1G-2F	1" - 1 1/2"	X	X	X	X	X	X
1SWS	web splice for 0.275" through 0.313" thick	AWSD1-1-10	SAW (0.275-0.313" web splice)	1G	0.275 - 0.313	X	X	X	X	X	X
2SWS	web splice for 0.125" through 0.150" thick	AWSD1-1-10	SAW (0.125-0.150" web splice)	1G	0.125 - 0.150	X	X	X	X	X	X
3SWS	web splice for 0.175" through 0.250" thick	AWSD1-1-10	SAW (0.175-0.250" web splice)	1G	0.175 - 0.250	X	X	X	X	X	X
2038	web splice for 0.375" through 0.500" thick	AWSD1-1-10	SAW (0.375-0.500" web splice)	1G	0.375 - 0.500	X	X	X	X	X	X
2FR	pipe to endplate weld	AWSD1-1-10	GMW (Pipe-to-Endplate Weld)	2F ROTATED	1" - 1 1/2"	X	X	X	X	X	X
FBG-1	Rod to plate/angle weld	AWSD1-1-10	GMW (Rod-to-Plate Weld)	1G	Diameter 1/2" - 1"	X	X	X	X	X	X
WPS4	pipe splice for 0.134" through 0.375" thick	AWSD1-1-10	GMW (Pipe Splice, 0.134" - 0.375")	1G ROTATED	Diameter 1/2" - 1"	X	X	X	X	X	X
WPS5	pipe splice for 0.375" through 0.500" thick	AWSD1-1-10	GMW (Pipe Splice, 0.375" - 0.500")	1G ROTATED	Diameter 1/2" - 1"	X	X	X	X	X	X
WPS6	wide-flange beam splice, all sizes	AWSD1-1-10	GMW (Wide-Flange Splice Weld)	1G	0.313 - 1.50	X	X	X	X	X	X
WPS7	flange to web weld made by autowelder using 0.062" electrode	AWSD1-1-10	SAW (Autowelder Weld)	2F	0.175 - 1.00	X	X	X	X	X	X
WPS8	flange to web weld made by autowelder using 0.052" electrode	AWSD1-1-10	SAW (Small Autowelder Weld)	2F	0.135 - 1.00	X	X	X	X	X	X
WPS9	complete penetration groove weld for tee connection, 1/8" thick	AWSD1-1-10	GMW (Flange to endplate weld)	1G	0.375 - 1.00	X	X	X	X	X	X
WPS11	vertical tack-fillet	AWSD1-1-10	GMW (Vertical tack-fillet)	3F	0.125 - Unlimited	X	X	X	X	X	X
WPS-1	Cold-Form seam stitch weld	AWSD1-3-08	GMW (CF seam stitch weld)	POR	0.0525" - 0.210"	X	X	X	X	X	X
WPS-1a	Cold-Form seam stitch weld (galvanized)	AWSD1-3-08	GMW (CF seam stitch weld) (galvanized)	POR	0.0525" - 0.210"	X	X	X	X	X	X
WPS-2	Cold-Form seam weld	AWSD1-3-08	GMW (CF seam weld)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-2a	Cold-Form seam weld (galvanized)	AWSD1-3-08	GMW (CF seam weld) (galvanized)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-3	cold-form seam weld to support steel > 0.3125" thick	AWSD1-3-08	GMW (CF seam weld to support steel)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-3a	cold-form seam weld to support steel > 0.3125" thick (galvanized)	AWSD1-3-08	GMW (CF seam weld to support steel) (galvanized)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-4	cold-form tee connection fillet weld	AWSD1-3-08	GMW (CF tee fillet weld)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-4a	cold-form tee connection fillet weld (galvanized)	AWSD1-3-08	GMW (CF tee fillet weld) (galvanized)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-5	cold-form tee connection fillet weld to support steel > 0.3125" thick	AWSD1-3-08	GMW (CF tee fillet to support steel)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-5a	cold-form tee connection fillet weld to support steel > 0.3125" thick (galvanized)	AWSD1-3-08	GMW (CF tee fillet to support steel) (galvanized)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-6	cold-form lap fillet weld	AWSD1-3-08	GMW (CF lap fillet weld)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-6a	cold-form lap fillet weld (galvanized)	AWSD1-3-08	GMW (CF lap fillet weld) (galvanized)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-7	cold-form lap fillet weld to support steel > 0.3125" thick	AWSD1-3-08	GMW (CF lap fillet to support steel)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X
WPS-7a	cold-form lap fillet weld to support steel > 0.3125" thick (galvanized)	AWSD1-3-08	GMW (CF lap fillet to support steel) (galvanized)	POR	11" - 0.0625" - 0.215" - 0.215"	X	X	X	X	X	X

OLYMPIA STEEL BUILDING SYSTEMS
 400 ISLAND AVENUE
 MCKEES ROCKS, PA 15136
 PHONE: (888) 449-7756

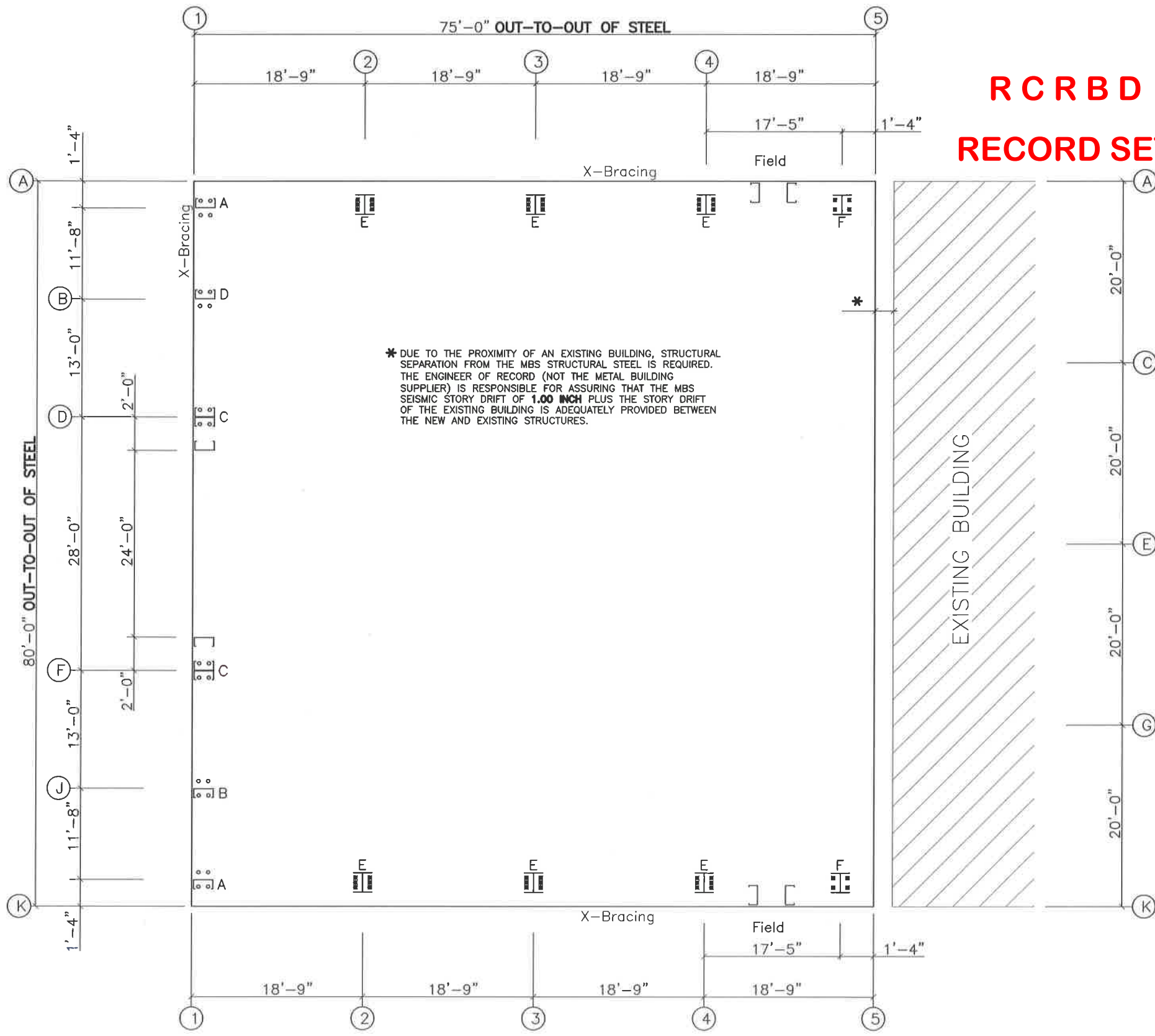
PROJECT NAME
 ROUTT COUNTY ROAD & BRIDGE
 OAK CREEK CO

CUSTOMER NAME
 ROUTT COUNTY ROAD & BRIDGE
 STEAMBOAT SPRINGS CO

JOB NUMBER
 U1600196A

SHEET TITLE
 SHEET C3 of 3

PROFESSIONAL ENGINEER
 COLORADO LICENSED
 49599



RCRBD
RECORD SET

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)
○ 24	Endwall	3/4"	F1554	3.00
⊗ 44	Frame	1"	F1554	3.00

ANCHOR BOLT PLAN

GENERAL NOTES

1. THE SPECIFIED ANCHOR ROD DIAMETER ASSUMES F1554 GRADE 55 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	BY	CHKD	APP'D
04/15/16	CDS		
04/15/16	RHW		
04/15/16	RHW		

OLYMPIA STEEL BUILDING SYSTEMS
400 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE: (888) 449-7756

PROJECT NAME
ROUTT COUNTY ROAD & BRIDGE
OAK CREEK CO

CUSTOMER NAME
ROUTT COUNTY ROAD & BRIDGE
STEAMBOAT SPRINGS CO

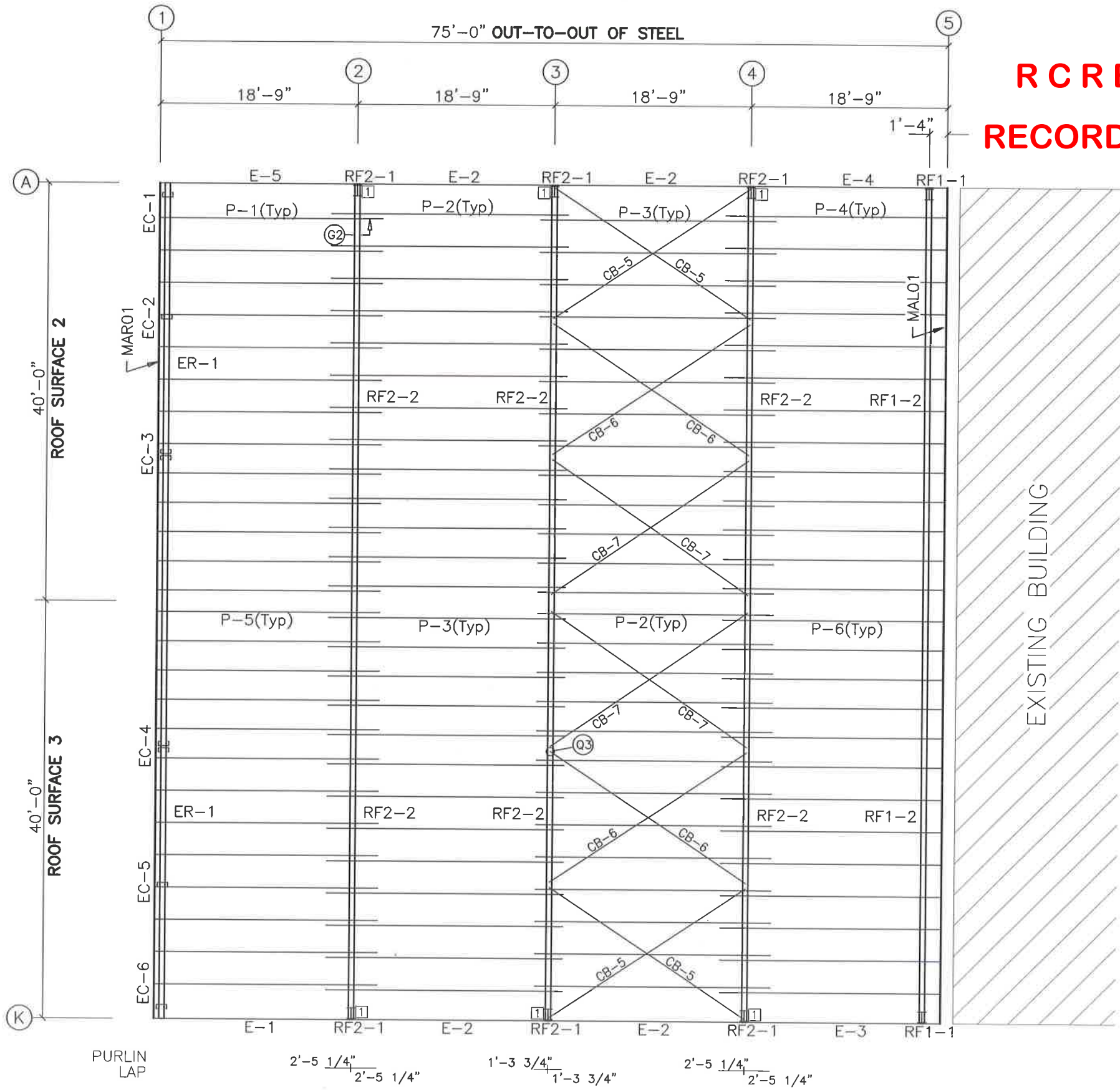
JOB NUMBER
U1600196A

SHEET TITLE
ANCHOR BOLT PLAN



This drawing is the property of the engineer and shall not be construed as such.

SHEET
F1 of 2



**R C R B D
RECORD SET**

TRIM TABLE ROOF PLAN			
ID	PART	LENGTH	DETAIL
1	RGA35	36.000	TRIM_3

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	08Z067	254.000
P-2	08Z067	270.000
P-3	08Z067	270.000
P-4	08Z067	254.000
P-5	08Z067	254.000
P-6	08Z067	254.000
E-1	08E3060	224.500
E-2	08E3060	224.500
E-3	08E3060	224.500
E-4	08E3060	224.500
E-5	08E3060	224.500
CB-5	RDB-	271.000
CB-6	RDB-	275.000
CB-7	RDB-	282.000

CONNECTION PLATES ROOF PLAN	
ID	MARK/PART
1	ESC02

42'-3 3/4" (25)
42'-3 3/4" (25)

ROOF SHEETING
PANELS: 26 Ga. CR
Polar White 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

DATE	ISSUE	BY	CHKD
04/15/16 <td>Anchor Bolt Plans for Const. <td>PMG <td>GRJ </td></td></td>	Anchor Bolt Plans for Const. <td>PMG <td>GRJ </td></td>	PMG <td>GRJ </td>	GRJ
04/15/16 <td>Permit Drawings <td>PMG <td>GRJ </td></td></td>	Permit Drawings <td>PMG <td>GRJ </td></td>	PMG <td>GRJ </td>	GRJ

OLYMPIA STEEL BUILDING SYSTEMS
400 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE: (888) 449-7756

PROJECT NAME
ROUTT COUNTY ROAD & BRIDGE
OAK CREEK CO
CUSTOMER NAME
ROUTT COUNTY ROAD & BRIDGE
STEAMBOAT SPRINGS CO
JOB NUMBER
U1600196A



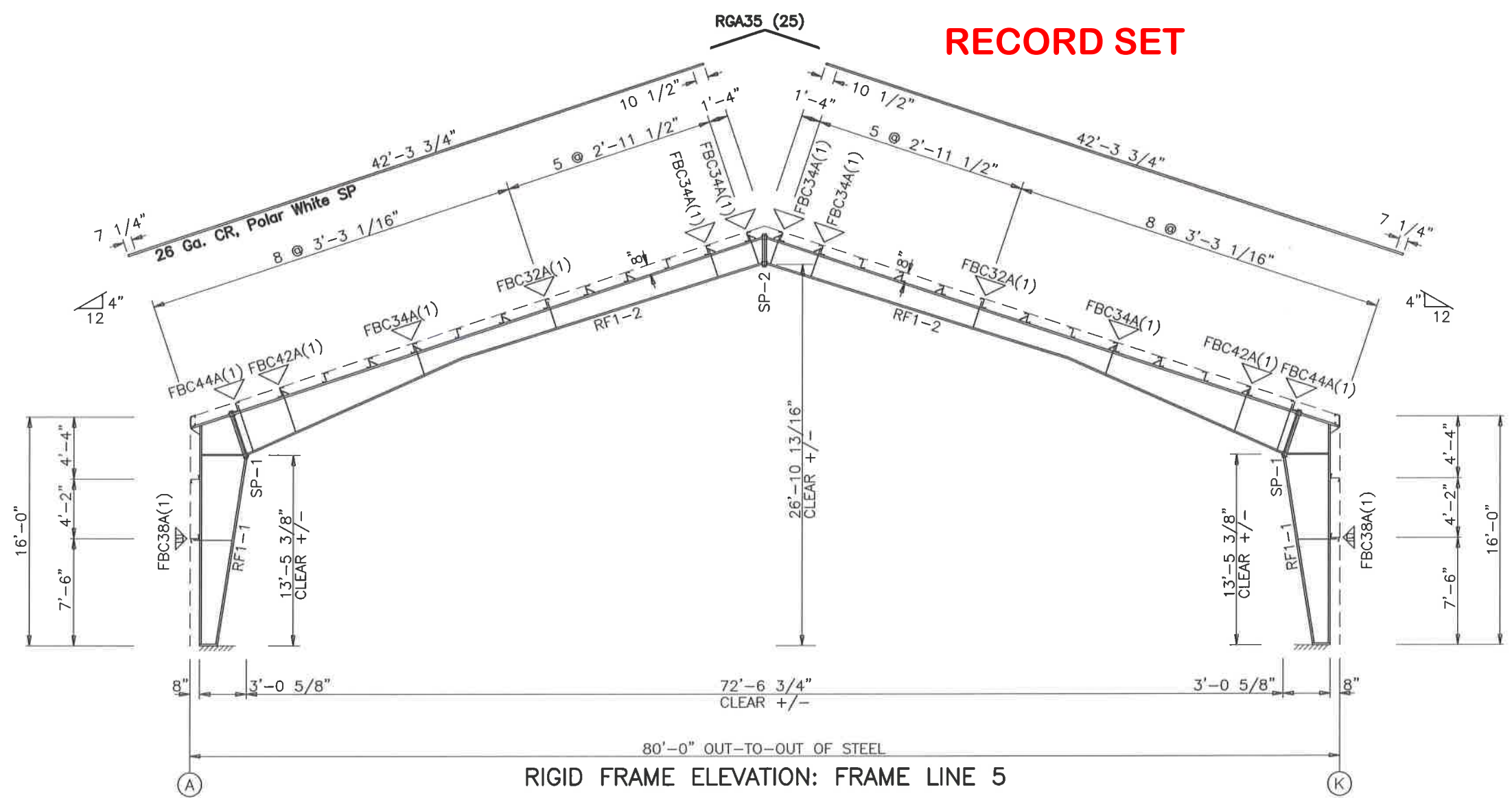
SHEET
E1 of 8

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"	3/4"	3'-5 1/2"
SP-2	4	4	0	A325	0.625	2.25	6"	3/8"	2'-2 5/8"

MEMBER TABLE								
Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start/End	Thick	Length	Thick	W x Thk x Length	W x Thk x Length		
RF1-1	11.5/36.0	0.220	157.5		6 x 1/4" x 185.5	6 x 3/8" x 159.4		
RF1-2	36.0/24.0	0.250	36.1		6 x 5/16" x 33.6			
	34.5/15.0	0.220	198.3		6 x 1/4" x 470.1	6 x 3/8" x 199.2		
		0.125	271.8			6 x 1/4" x 265.4		

CONNECTION PLATES	
ID	Mark/Part
1	FBT01

R C R B D
RECORD SET



RIGID FRAME ELEVATION: FRAME LINE 5

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.

ISSUE	DATE	BY	CHKD
Anchor Bolt Plans for Const.	04/15/16	PMG	GRJ
Permit Drawings	04/15/16	PMG	GRJ

OLYMPIA STEEL BUILDING SYSTEMS
400 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE: (888) 449-7756

PROJECT NAME
ROUTT COUNTY ROAD & BRIDGE
CUSTOMER NAME
OAK CREEK CO
CUSTOMER NAME
ROUTT COUNTY ROAD & BRIDGE
STEAMBOAT SPRINGS CO
JOB NUMBER
U1600196A



The user permits only to the recipient... shall not be construed as such.

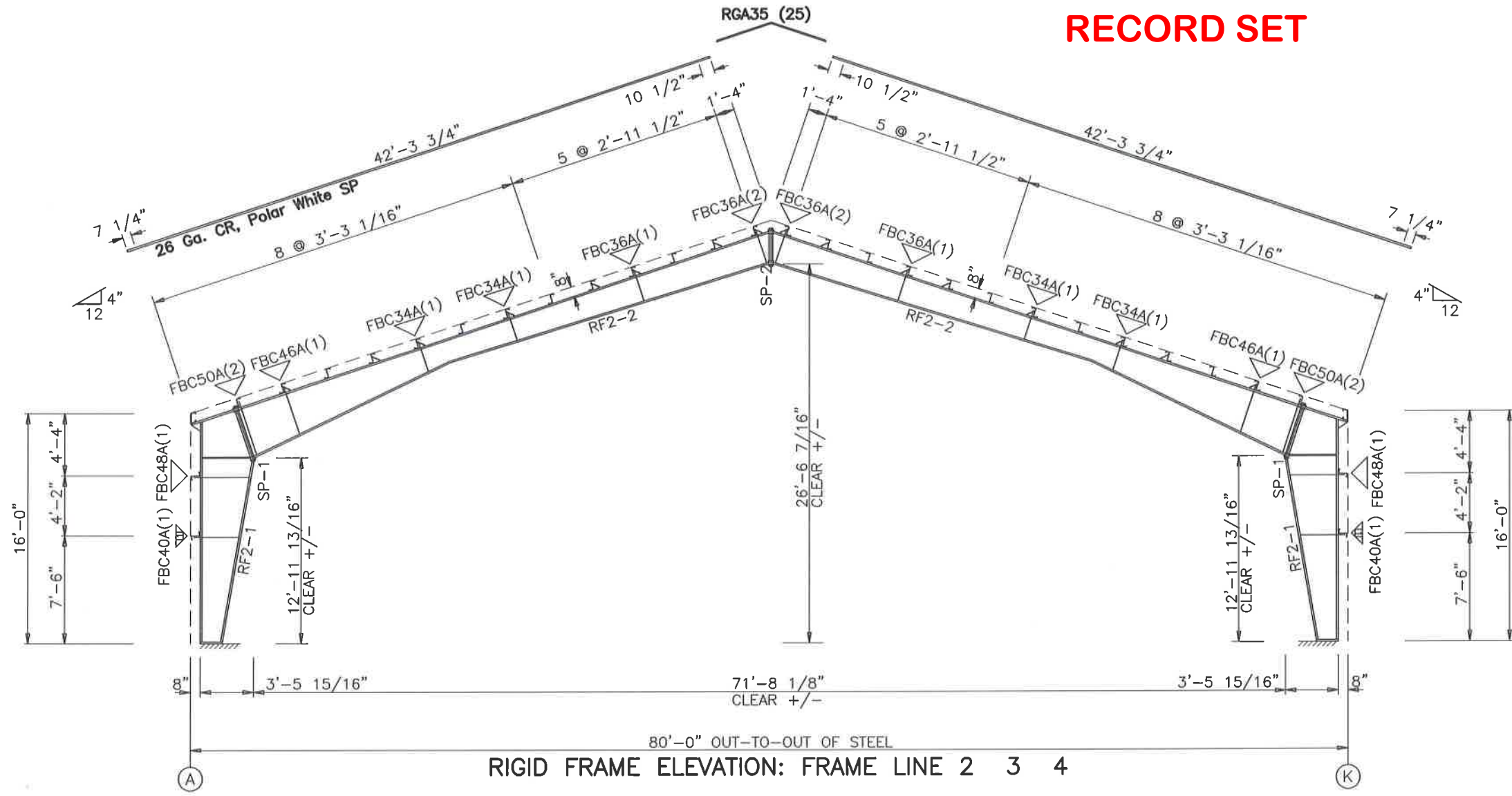
SHEET
E2 of 8

SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	1.000	3.25	6"	3/4"	4'-1 3/4"
SP-2	4	4	0	A325	0.625	2.25	6"	3/8"	2'-6 7/8"

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	Inside Flange
	Start/End	Thick	Length	Length	W x Thk x Length	W x Thk x Length
RF2-1	15.0/41.0	0.275	151.3		6 x 5/16" x 185.5	6 x 5/8" x 153.4
RF2-2	41.0/26.6	0.313	43.1		6 x 3/8" x 36.4	
	41.0/17.0	0.275	180.5		6 x 5/16" x 467.2	6 x 5/8" x 182.0
	17.0/23.0	0.164	286.8			6 x 3/8" x 279.0

CONNECTION PLATES	
<input type="checkbox"/> ID	Mark/Part
1	FBT01

R C R B D
RECORD SET



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

GENERAL NOTES

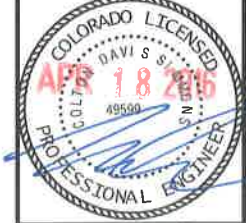
- ▽ INDICATES FLANGE BRACING LOCATIONS. (1) = ONE SIDE; (2) = TWO SIDES.
- IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE RIGID FRAME, THE OPPOSITE SIDE FLANGE BRACES WILL HAVE TO BE INSTALLED AT THE TIME OF FUTURE EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS 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	ISSUE	BY	CHK	APP
04/15/16				
04/15/16				

Anchor Bolt Plans for Const. Permit Drawings

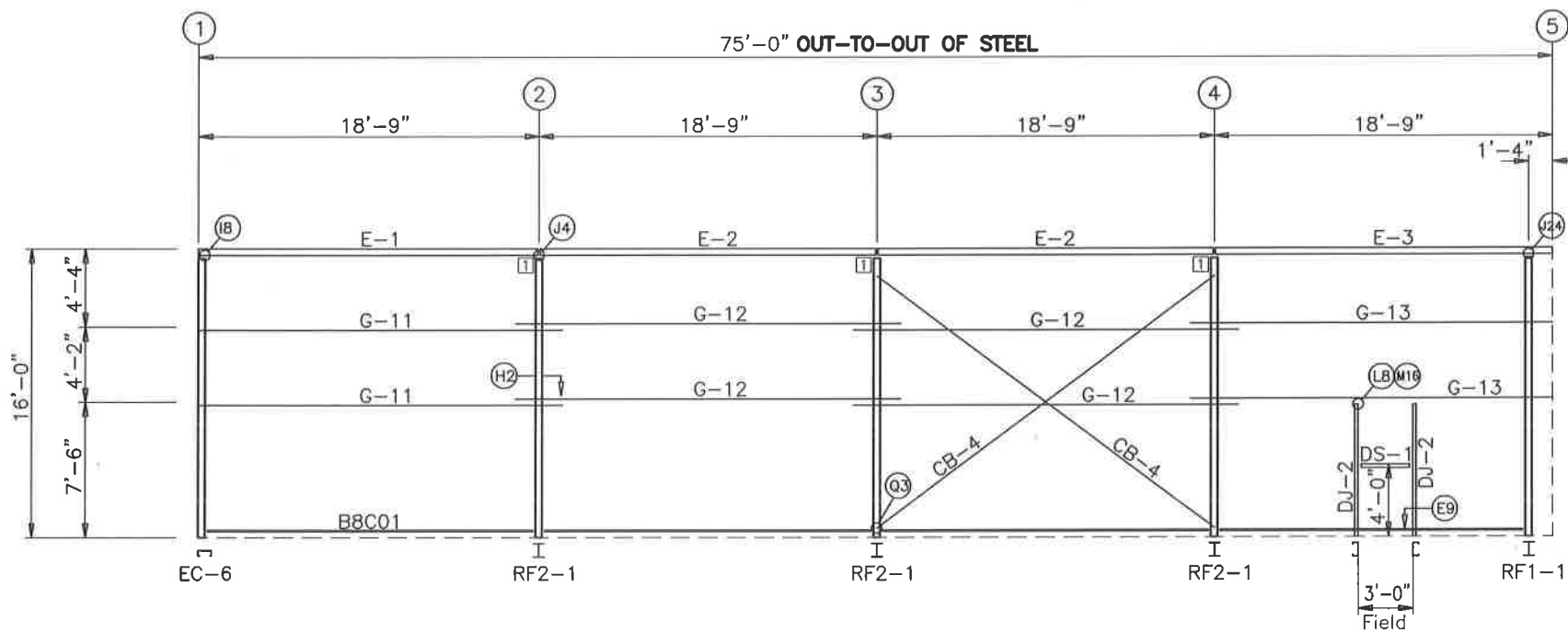
OLYMPIA STEEL BUILDING SYSTEMS
400 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE: (888) 449-7756

PROJECT NAME: ROTT COUNTY ROAD & BRIDGE
OAK CREEK CO
CUSTOMER NAME: ROTT COUNTY ROAD & BRIDGE
STEAMBOAT SPRINGS CO
JOB NUMBER: U1600196A
SHEET TITLE: U1600196A



Approved for use on the project as shown on these drawings is the responsibility of the engineer of record and does not constitute an endorsement of the product of the Metal Building Manufacturers Association. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturers Association and does not receive as or for the project engineer of record and shall not be construed as such.

SHEET
E3 of 8



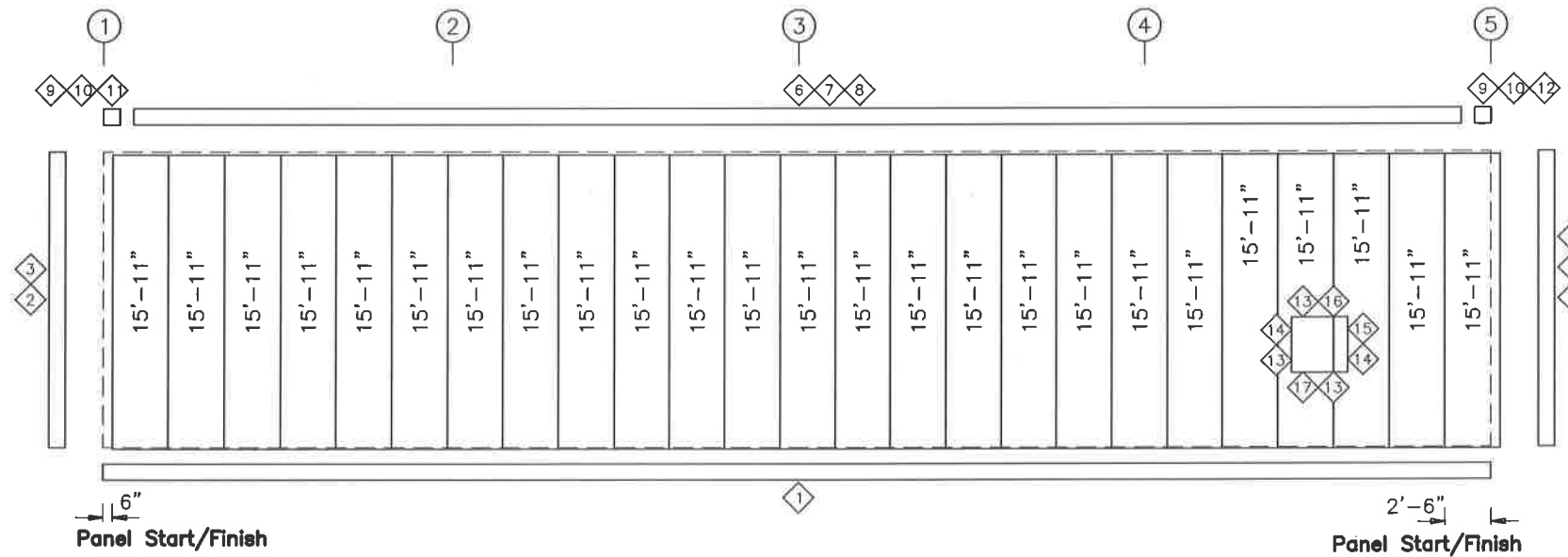
R C R B D
RECORD SET

TRIM TABLE FRAME LINE K			
ID	PART	LENGTH	DETAIL
1	BSB01	122.000	TRIM_303
2	OCA01	242.000	TRIM_8
3	MFA01	121.000	TRIM_8
4	OCC01	121.000	TRIM_708
5	JTA121	121.000	TRIM_708
6	SET01	121.000	TRIM_850
7	CTA02	121.000	
8	CTA03	121.000	
9	H4000	5.000	
10	ERA01	8.060	
11	RCA01	9.250	
12	RCA02	9.250	
13	CCA121	121.000	TRIM_19
14	JTA087	87.000	TRIM_99
15	CCA121	Use Drop	TRIM_19
18	CCE044	44.000	TRIM_19
17	STA040	40.000	TRIM_99

MEMBER TABLE FRAME LINE K		
MARK	PART	LENGTH
DJ-2	J08C060	90.000
DS-1	J08C060	36.000
E-1	08E3060	224.500
E-2	08E3060	224.500
E-3	08E3060	224.500
G-11	08Z054	240.500
G-12	08Z054	256.500
G-13	08Z054	240.500
CB-4	RDB-	289.000

CONNECTION PLATES FRAME LINE K	
ID	MARK/PART
1	ESC02

GIRT LAPS
1'-3 3/4" 1'-3 3/4" 1'-3 3/4" 1'-3 3/4"
SIDEWALL FRAMING: FRAME LINE K



SIDEWALL SHEETING & TRIM: FRAME LINE K
PANELS: 26 Ga. AW - Fox Gray SP

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.

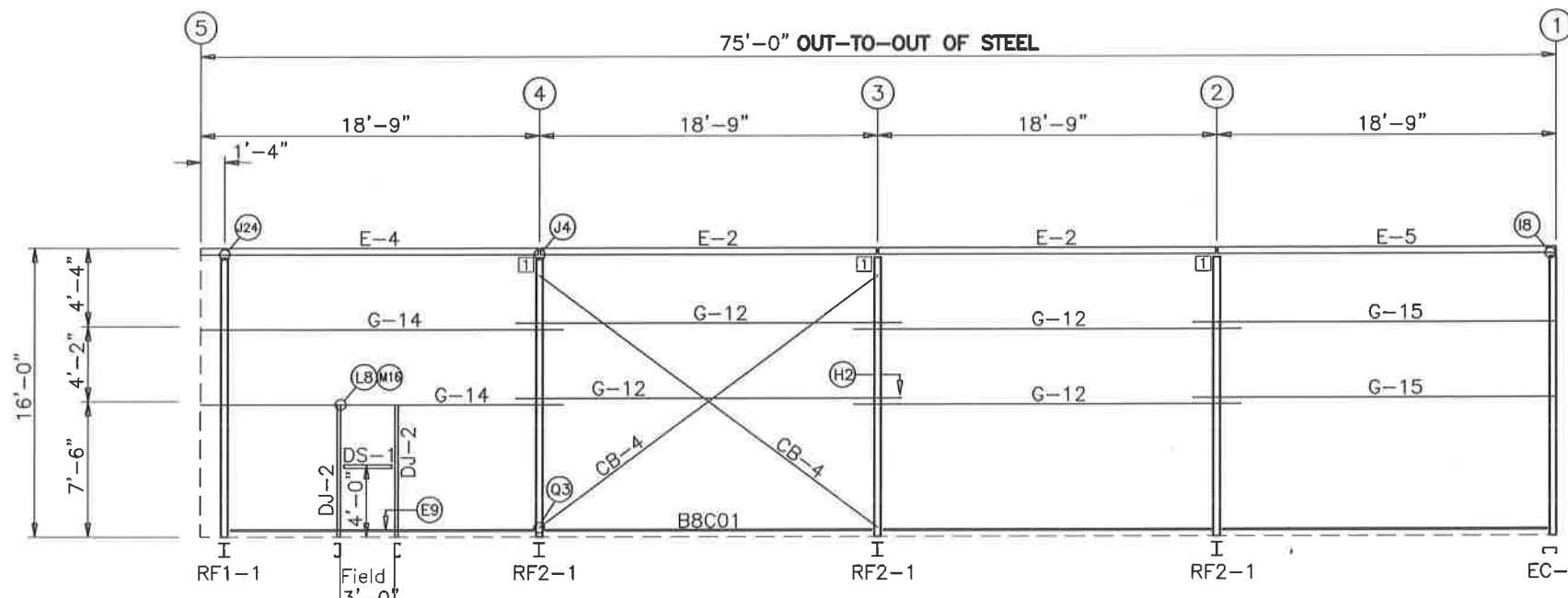
DATE	BY	CHKD	APP'D
04/15/16	CDS		
04/15/16	RHW		
04/15/16	GRU		
04/15/16	GRU		

Anchor Bolt Plans for Const.
Permit Drawings
OLYMPIA STEEL BUILDING SYSTEMS
400 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE: (888) 448-7756

PROJECT NAME
ROUTT COUNTY ROAD & BRIDGE
OAK CREEK CO
CUSTOMER NAME
ROUTT COUNTY ROAD & BRIDGE
STEAMBOAT SPRINGS CO
JOB NUMBER
U1600196A
SHEET TITLE



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SHEET
E4 of 8



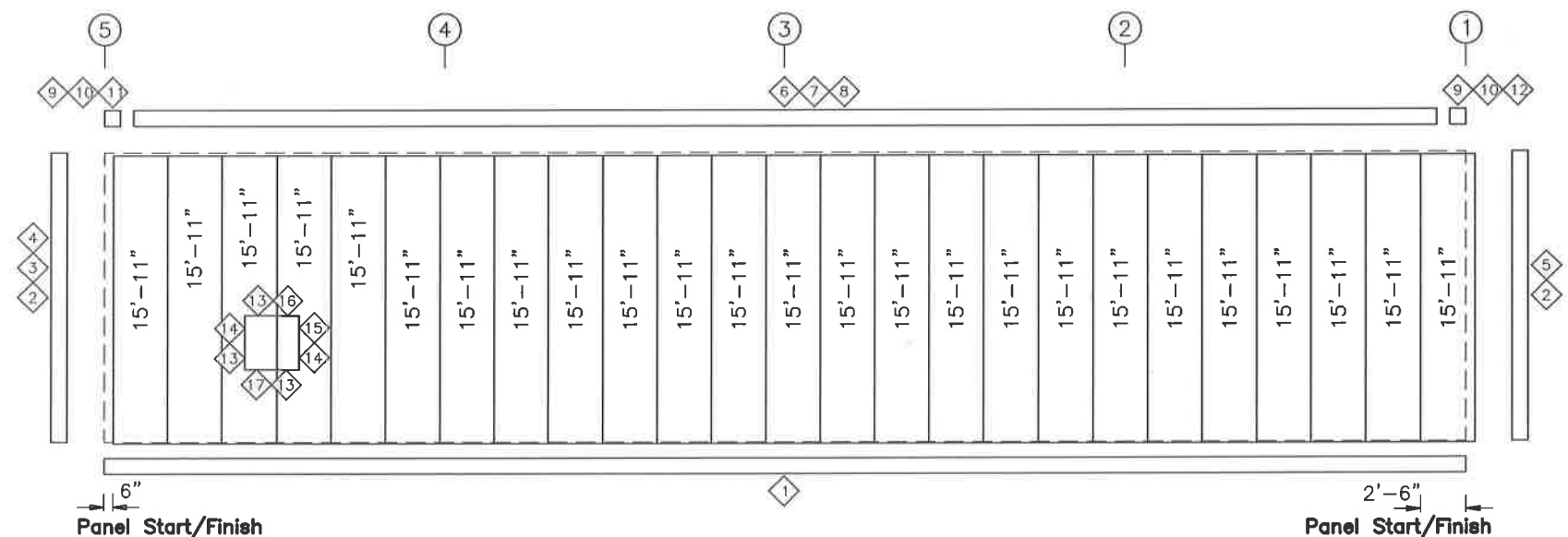
ID	PART	LENGTH	DETAIL
1	BBS01	122.000	TRIM_303
2	MFA01	121.000	TRIM_8
3	OCC01	121.000	TRIM_708
4	JTA121	121.000	TRIM_708
5	OCA01	242.000	TRIM_8
6	SET01	121.000	TRIM_850
7	CTA02	121.000	
8	CTA03	121.000	
9	H4000	5.000	
10	ERA01	8.060	
11	RCA01	9.250	
12	RCA02	9.250	
13	CCA121	121.000	TRIM_19
14	JTA087	87.000	TRIM_99
15	CCA121	Use Drop	TRIM_19
16	CCE044	44.000	TRIM_19
17	STA040	40.000	TRIM_99

MARK	PART	LENGTH
DJ-2	J08C060	90.000
DS-1	J08C060	36.000
E-2	08E3060	224.500
E-4	08E3060	224.500
E-5	08E3060	224.500
G-12	08Z054	256.500
G-14	08Z054	240.500
G-15	08Z054	240.500
CB-4	RDB-	289.000

ID	MARK/PART
1	ESC02

GIRT LAPS
 1'-3 3/4" 1'-3 3/4" 1'-3 3/4" 1'-3 3/4"
 SIDEWALL FRAMING: FRAME LINE A

R C R B D
RECORD SET



SIDEWALL SHEETING & TRIM: FRAME LINE A
 PANELS: 26 Ga. AW - Fox Gray SP

SIDEWALL FRAMING PLAN

- GENERAL NOTES
- STD. ROD/CABLE SIZES PER PART PREFIX ARE:
 ROD - = 5/8" ROD
 RDB- = 3/4" ROD
 RDC- = 3/4" ROD
 RDD- = 7/8" ROD
 RDE- = 1" ROD
 RDF- = 1 1/8" ROD
 RDG- = 1 1/4" ROD
 CABLE - = 1/4" CABLE
 CAA- = 1/4" CABLE
 CAB- = 3/8" CABLE
 CAC- = 1/2" CABLE
 - 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	BY	CHKD	APP'D
04/15/16	PMG	GRJ	RHW
04/15/16	PMG	GRJ	RHW

ANCHOR BOLT PLANS FOR CONST.
 PERMIT DRAWINGS

OLYMPIA STEEL BUILDING SYSTEMS
 400 ISLAND AVENUE
 McKEES ROCKS, PA 15136
 PHONE: (888) 448-7756

PROJECT NAME
 ROUTT COUNTY ROAD & BRIDGE
 OAK CREEK CO

CUSTOMER NAME
 ROUTT COUNTY ROAD & BRIDGE
 STEAMBOAT SPRINGS CO

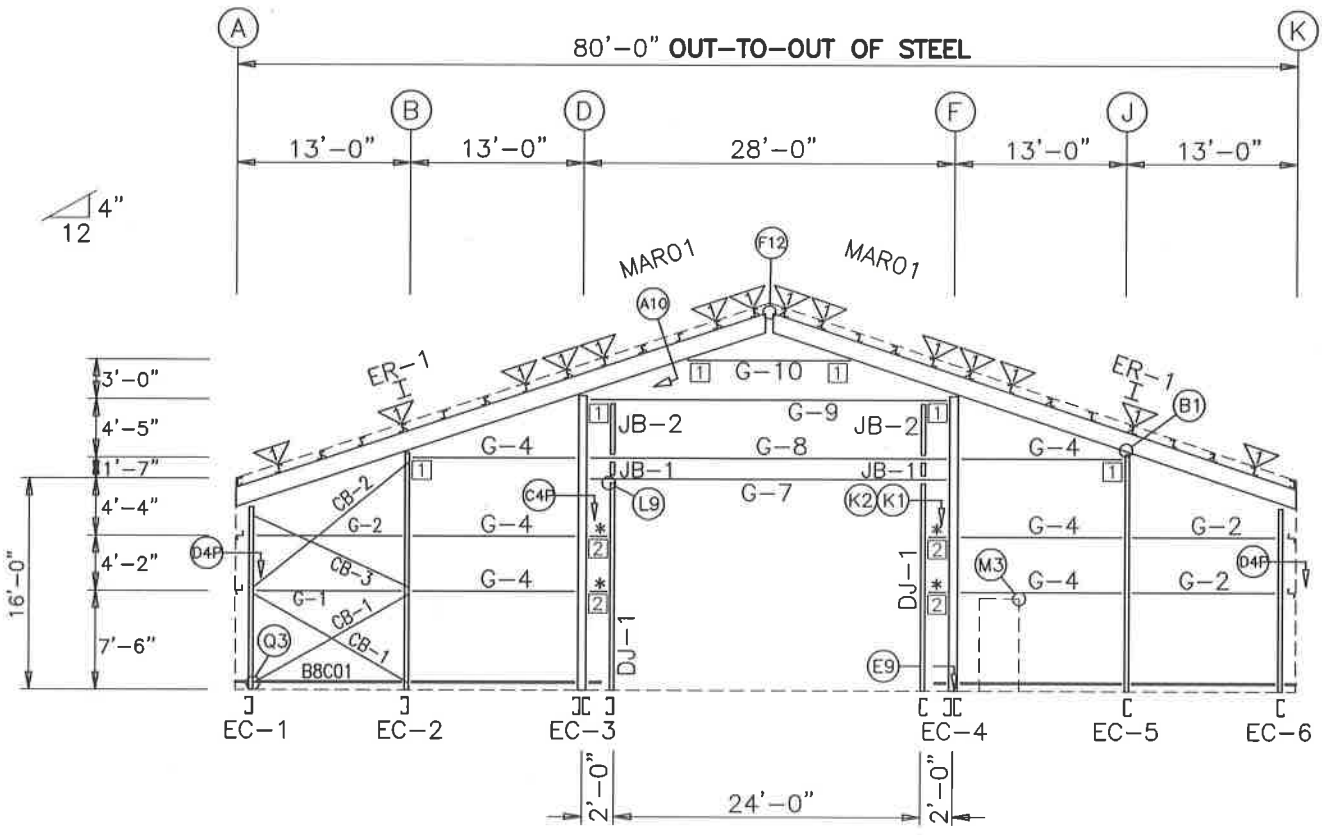
JOB NUMBER
 U1600196A

SHEET TITLE

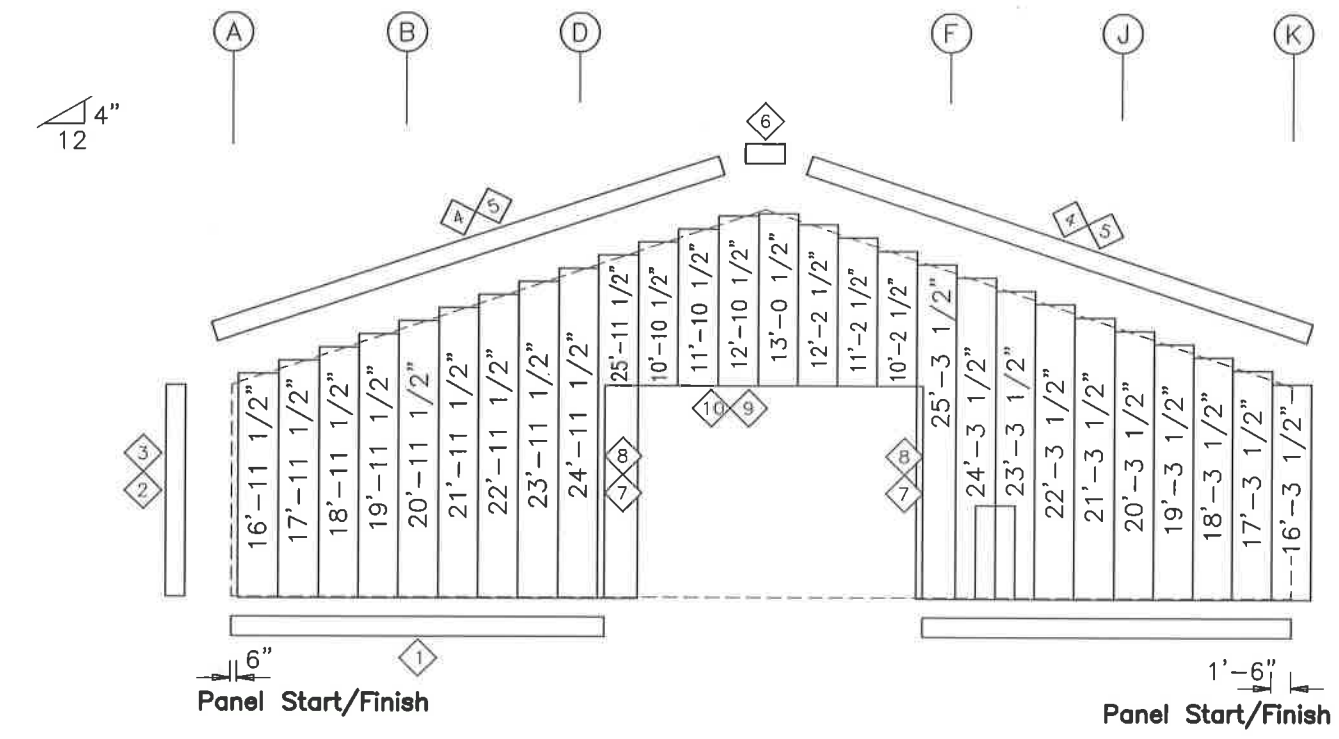


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SHEET
 E5 of 8



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1
PANELS: 26 Ga. AW - Fox Gray SP

R C R B D
RECORD SET

BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-1	8	A325	5/8"	2 1/4"
Columns/Raf	6	A325	1/2"	2"

TRIM TABLE			
FRAME LINE 1			
ID	PART	LENGTH	DETAIL
1	BSB01	122.000	TRIM_303
2	OCA01	242.000	TRIM_8
3	MFA01	121.000	TRIM_8
4	RTA01	121.000	TRIM_2
5	RTA02	242.000	TRIM_2
6	M1704	26.440	
7	CCA193	193.000	TRIM_19
8	JTA193	193.000	TRIM_98
9	CCA145	145.000	TRIM_19
10	HTA148	148.000	TRIM_98

FLANGE BRACE TABLE			
FRAME LINE 1			
ID	QUAN	MARK	LENGTH
1	14	FBC30	30.000

MEMBER TABLE		
FRAME LINE 1		
MARK	PART	LENGTH
EC-1	W08S075	176.250
EC-2	W08S105	222.938
EC-3	W12SD089	274.938
EC-4	W12SD089	274.938
EC-5	W12S075	222.938
EC-6	W08S075	176.250
ER-1	W1212525	505.688
DJ-1	J08C089	192.000
G-1	08Z075	131.500
G-2	08Z054	131.500
*	S8Z84	FIELD CUT
G-4	08Z054	147.500
G-7	08C089	327.500
G-8	08Z089	327.500
G-9	08Z099	327.500
G-10	08Z067	174.500
CB-1	RDB-	166.000
CB-2	RDB-	188.000
CB-3	RDB-	163.000
JB-1	J08C060	10.625
JB-2	J08C060	44.625

CONNECTION PLATES	
FRAME LINE 1	
ID	MARK/PART
1	GCR34gcb
2	JCA&P02

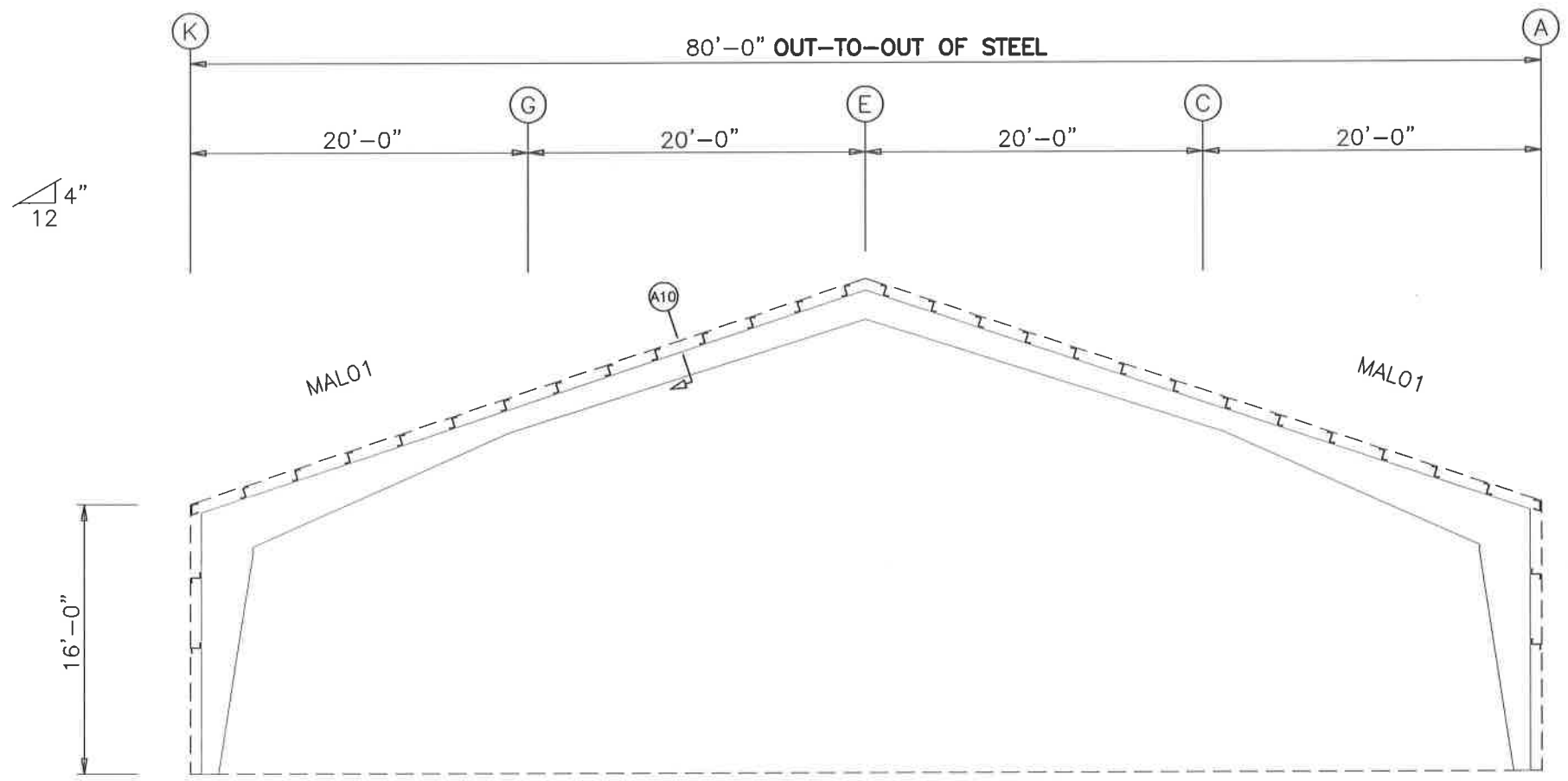
ENDWALL FRAMING PLAN

GENERAL NOTES

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

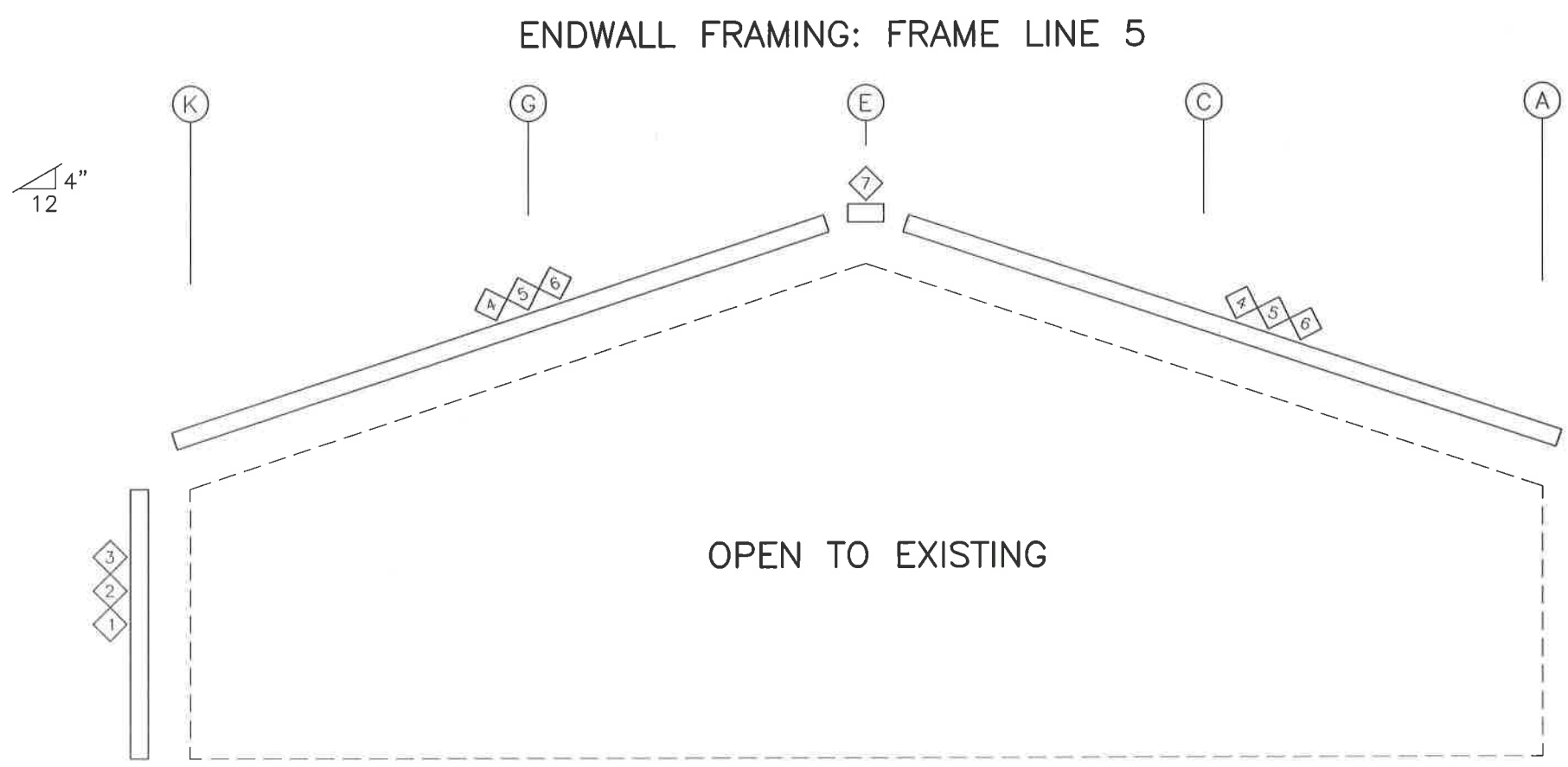
ROD	CABLE
RDB- = 5/8" ROD	CAA- = 1/4" CABLE
RDC- = 3/4" ROD	CAB- = 3/8" CABLE
RDD- = 7/8" ROD	CAC- = 1/2" CABLE
RDE- = 1" ROD	
RDF- = 1 1/8" ROD	
RDG- = 1 1/4" ROD	
- ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
- FRAMED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

<p>PROJECT NAME ROUTT COUNTY ROAD & BRIDGE</p> <p>CUSTOMER NAME OAK CREEK CO</p> <p>PROJECT ADDRESS ROUTT COUNTY ROAD & BRIDGE</p> <p>JOB NUMBER STEAMBOAT SPRINGS CO</p> <p>SHEET TITLE U1600196A</p>	<p>ISSUE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DATE</th> <th>BY</th> <th>CHK</th> <th>APP</th> </tr> <tr> <td>04/15/16</td> <td>PMG</td> <td>GRJ</td> <td>RHW</td> </tr> <tr> <td>04/15/16</td> <td>PMG</td> <td>GRJ</td> <td>RHW</td> </tr> </table> <p>Anchor Bolt Plans for Const.</p> <p>Permit Drawings</p>	DATE	BY	CHK	APP	04/15/16	PMG	GRJ	RHW	04/15/16	PMG	GRJ	RHW	<p>OLYMPIA STEEL BUILDING SYSTEMS</p> <p>400 ISLAND AVENUE MCKEES ROCKS, PA 15136</p> <p>PHONE: (888) 449-7756</p>	<p>PROFESSIONAL ENGINEER</p> <p>49599</p> <p>APR 18 2016</p>	<p>DESIGNED AND SUPPLIED BY THE MERRILL MANUFACTURER. THE DRAWINGS AND THE MATERIALS WHICH THEY REPRESENT ARE THE PROPERTY OF THE MERRILL MANUFACTURER. THIS REGISTERED PROFESSIONAL ENGINEER'S SEAL APPEARS ON THESE DRAWINGS AS A CONDITION OF THE MERRILL MANUFACTURER'S REPRESENTATION OF RECORD AND SHALL NOT BE CONSIDERED AS SUCH.</p> <p>SHEET E6 of 8</p>
DATE	BY	CHK	APP													
04/15/16	PMG	GRJ	RHW													
04/15/16	PMG	GRJ	RHW													



TRIM TABLE FRAME LINE 5			
ID	PART	LENGTH	DETAIL
1	MFA01	121.000	TRIM_708
2	OCC01	121.000	TRIM_708
3	JTA121	121.000	TRIM_708
4	RTA01	121.000	TRIM_701
5	RTA02	242.000	TRIM_701
6	LEE10	121.000	
7	M1704	26.440	

R C R B D
RECORD SET



ENDWALL SHEETING & TRIM: FRAME LINE 5

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.
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DATE	BY	CHKD	DATE
04/15/16	COS	GRJ	04/15/16
04/15/16	COS	GRJ	04/15/16

Anchor Bolt Plans for Const.
Permit Drawings

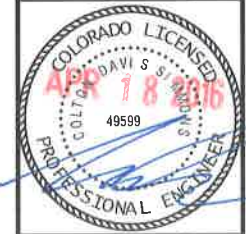
OLYMPIA STEEL BUILDING SYSTEMS
400 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE:
(888) 449-7756

PROJECT NAME
ROUTT COUNTY ROAD & BRIDGE
OAK CREEK CO

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ROUTT COUNTY ROAD & BRIDGE
STEAMBOAT SPRINGS CO

JOB NUMBER
U1600196A

SHEET TITLE
U1600196A

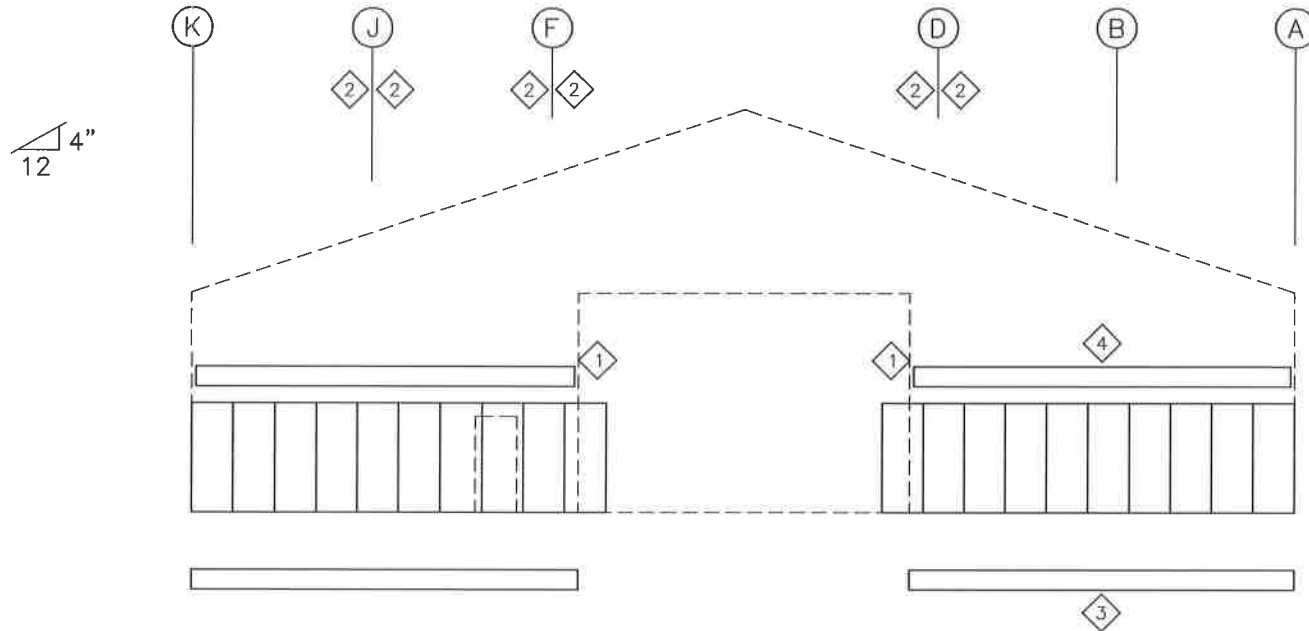


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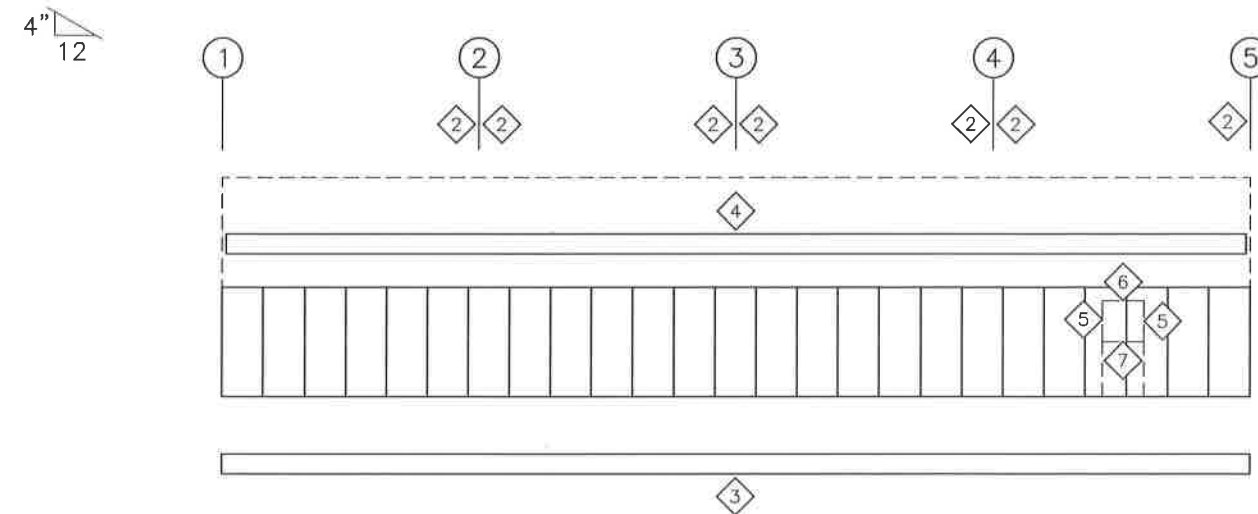
SHEET
E7 of 8

TRIM TABLE FRAME LINE 1 K A			
ID	PART	LENGTH	DETAIL
1	HTD194	194.000	TRIM_23
2	HTD096	96.000	TRIM_32
3	MAR02	242.000	TRIM_38
4	HTD121	121.000	TRIM_39
5	HTD096	96.000	TRIM_23
6	HTD096	96.000	TRIM_27
7	HTD096	96.000	TRIM_28

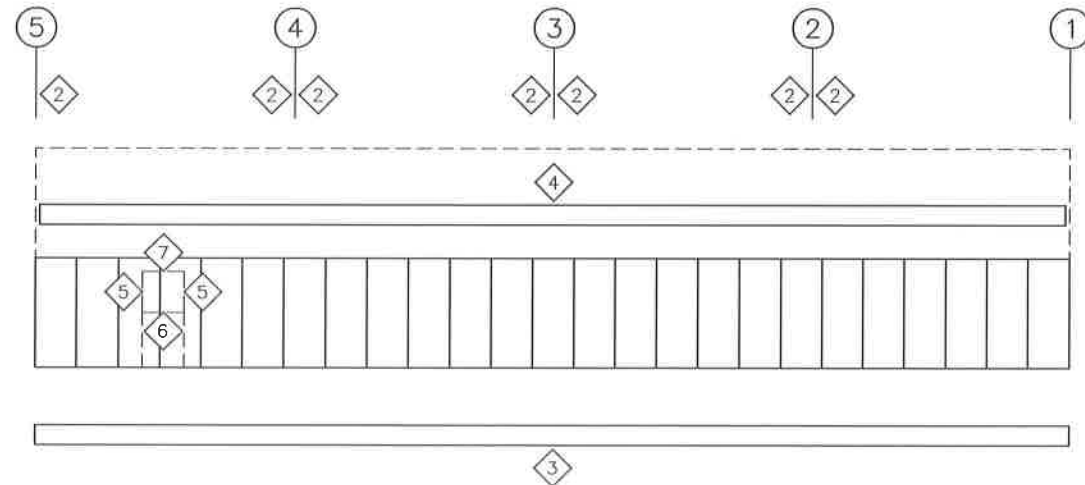
RCRBD RECORD SET



ENDWALL LINER SHEETING & TRIM: FRAME LINE 1
 PANELS: 8'-0", 26 Ga. CL - Galvalume
 (As Viewed From Inside Of Building)



SIDEWALL LINER SHEETING & TRIM: FRAME LINE A
 PANELS: 8'-0", 26 Ga. CL - Galvalume
 (As Viewed From Inside Of Building)



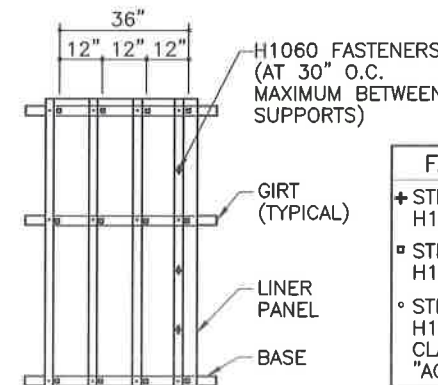
SIDEWALL LINER SHEETING & TRIM: FRAME LINE K
 PANELS: 8'-0", 26 Ga. CL - Galvalume
 (As Viewed From Inside Of Building)

GENERAL NOTES:

- FIELD WORK OF THE LINER PANELS AT THE FLANGE BRACE LOCATIONS MAY BE REQUIRED.

ERECTOR NOTE:

THE ERECTION OF THE LINER PANEL MUST BE COORDINATED PROPERLY WITH THE BRACING AND BRACE STRUTS TO ENSURE PROPER FIT-UP. IT IS THE ERECTOR'S RESPONSIBILITY TO ENSURE THAT THE STRUCTURE IS ADEQUATELY BRACED DURING THE ERECTION PROCESS. TEMPORARY REMOVAL OF BRACING AND BRACE STRUTS IS ACCEPTABLE FOR LINER PANEL ERECTION, PROVIDED ADEQUATE TEMPORARY BRACING IS USED.



FASTENER CHART	
+	STITCH FASTENER H1060
□	STRUCTURAL FASTENER H1040 AT "CLASSIC" WALL
°	STRUCTURAL FASTENER H1040 AT "REVERSE CLASSIC" H1040 AT "ACCENT" WALL

LINER PANEL ERECTION NOTES
 (PANELS 36" NET LAY)

DATE	ISSUE	BY	FOR
04/15/16	Permit Drawings	PMG	GRU
04/15/16	Anchor Bolt Plans for Const.	PMG	GRU

OLYMPIA STEEL BUILDING SYSTEMS
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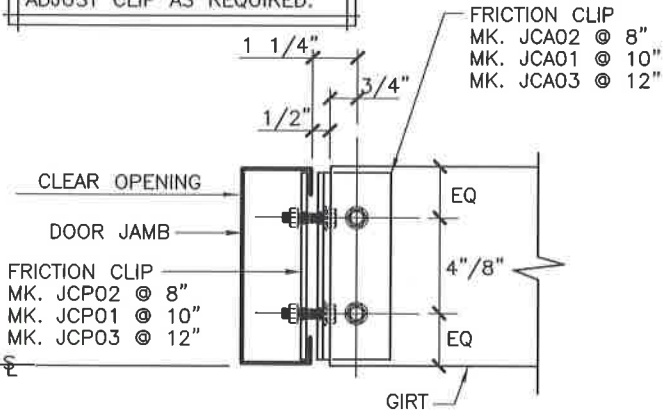
SHEET TITLE
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This seal remains valid for the materials designed and supplied by the Metal Building Manufacturer. The drawings and the metal building which they represent are the property of the Metal Building Manufacturer. The registered professional engineer whose name appears on these drawings is authorized by the Metal Building Manufacturer to represent the project as shown and shall not be construed as such.

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

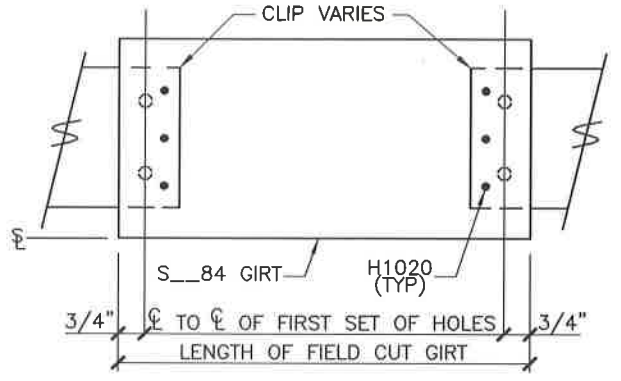


GIRT TO JAMB

USE (4) 1/2" x 1 1/4" A307
BOLTS H0300 / NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

K1

PART #	MTRL SIZE	MTRL THICK.
S8Z84	8" ZEE	.060 MIN.
S8C84	8" CEE	.060 MIN.
S1Z84	10" ZEE	.060 MIN.
S1C84	10" CEE	.060 MIN.
S2Z84	12" ZEE	.075 MIN.
S2C84	12" CEE	.075 MIN.

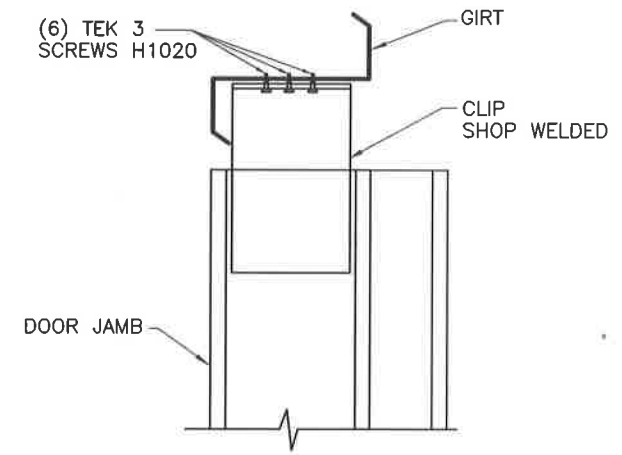


UNPUNCHED SHORT GIRT DETAIL

FIELD CUT TO LENGTH AND FASTEN
WITH (3) H1020 AT EACH END

K2

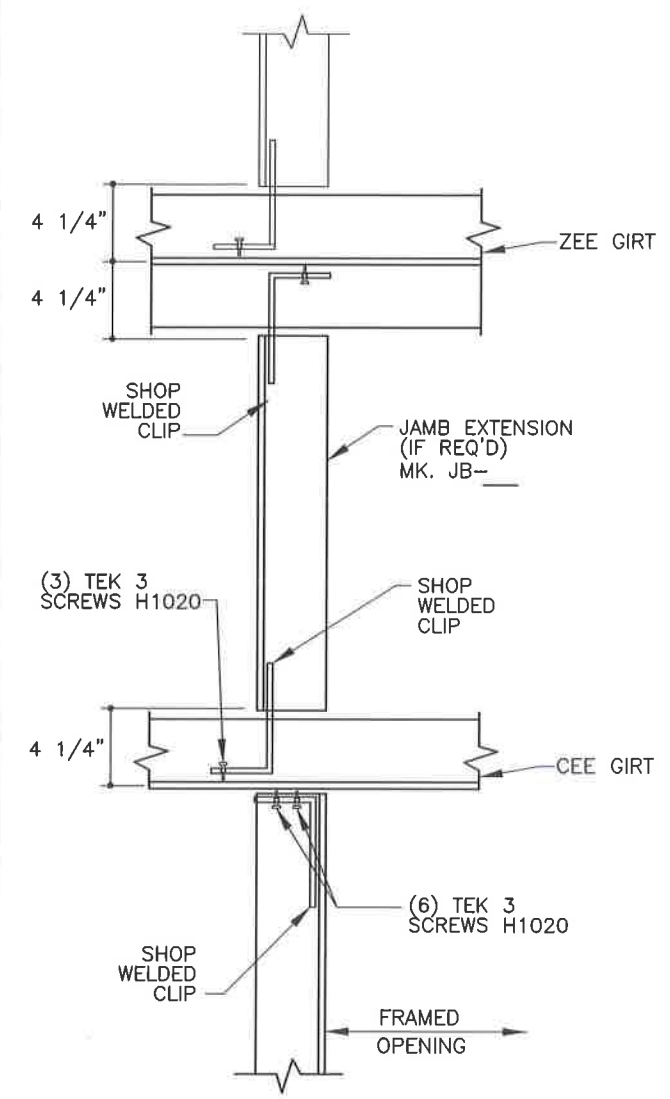
ERECTOR NOTE:
PRE-DRILL HOLES @ NESTED ZEE GIRTS
& DOUBLE CEE GIRTS IF REQUIRED.



DOOR JAMB TO GIRT

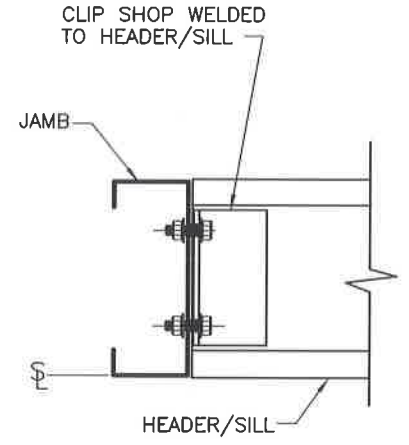
L8

ERECTOR NOTES:
-IF THE T-CLIP IS LOCATED IN THE SAME LOCATION AS NESTED GIRT BOLTS, THE
NESTED GIRT BOLTS CAN BE REMOVED.
-PRE-DRILL HOLES AT NESTED ZEE GIRTS AND DOUBLE CEE GIRTS AS REQUIRED.



DOOR JAMB TO GIRT

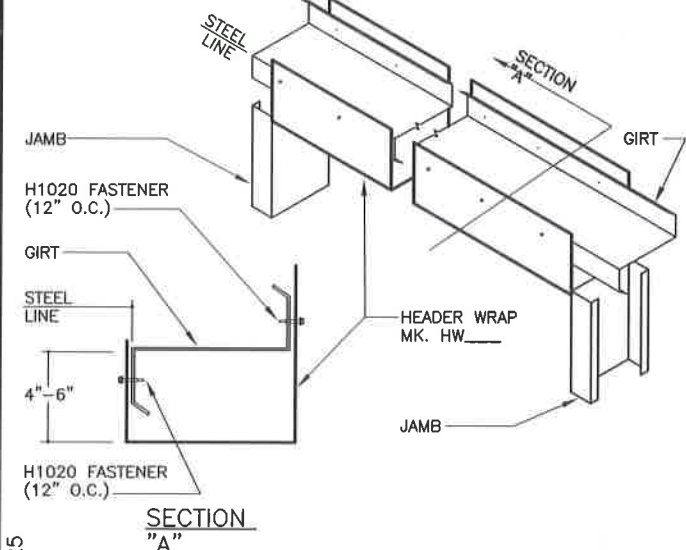
L9



HEADER/SILL TO JAMB

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

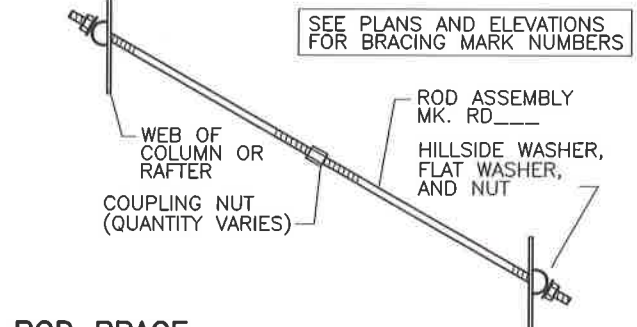
M3



HEADER WRAP DETAIL

M16

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



ROD BRACE

WEB TO WEB

Q3

DATE	BY	CHKD	ISSUE
04/15/16	GRJ	RHW	CDS
04/15/16	GRJ	RHW	CDS

Anchor Bolt Plans for Const.
Permit Drawings

OLYMPIA STEEL BUILDING SYSTEMS
400 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE: (888) 449-7756

PROJECT NAME
ROUTT COUNTY ROAD & BRIDGE
OAK CREEK CO

CUSTOMER NAME
ROUTT COUNTY ROAD & BRIDGE
STEAMBOAT SPRINGS CO

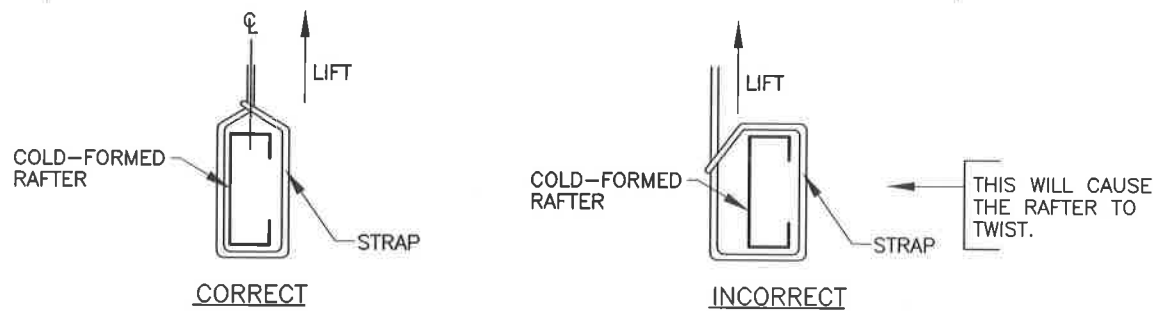
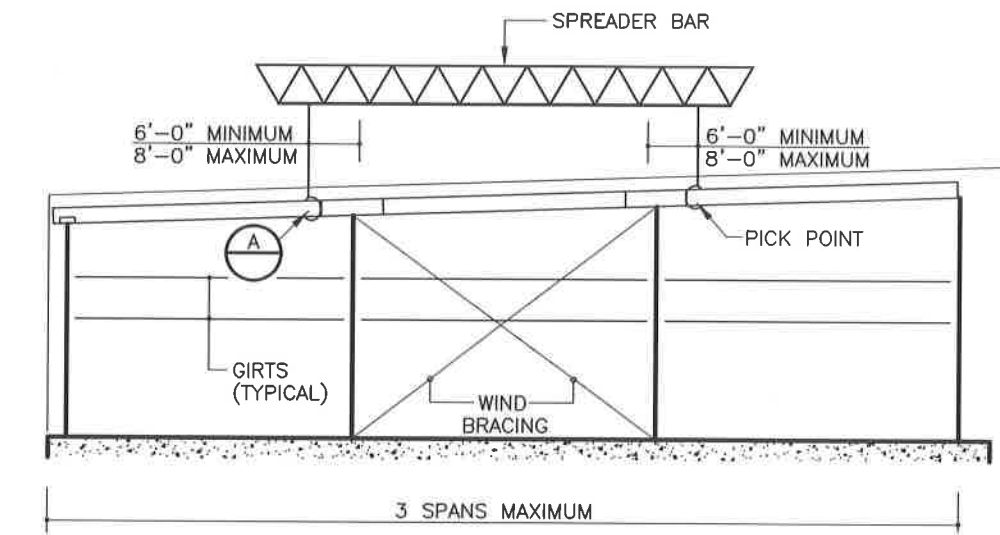
JOB NUMBER
U1600196A

SHEET TITLE
D2 of 9

**RCRBD
RECORD SET**



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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.

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

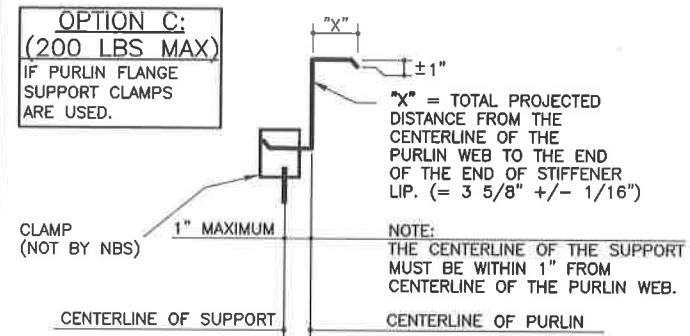
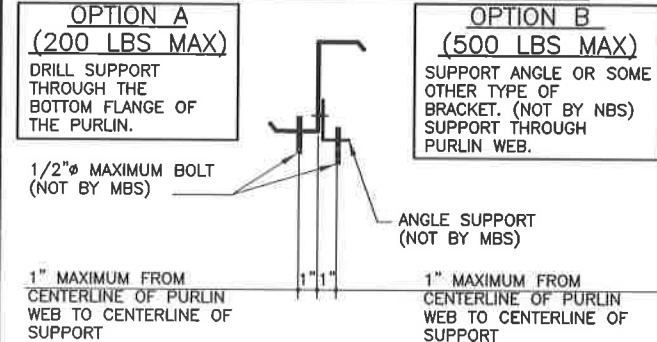
COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC. ARE SUSPENDED FROM ROOF MEMBERS, CONSULT ENGINEER OF RECORD IF THESE CONCENTRATED LOADS EXCEED 500 POUNDS (USING THE WEB MOUNT DETAIL) OR 200 POUNDS (USING THE FLANGE MOUNT DETAIL), 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

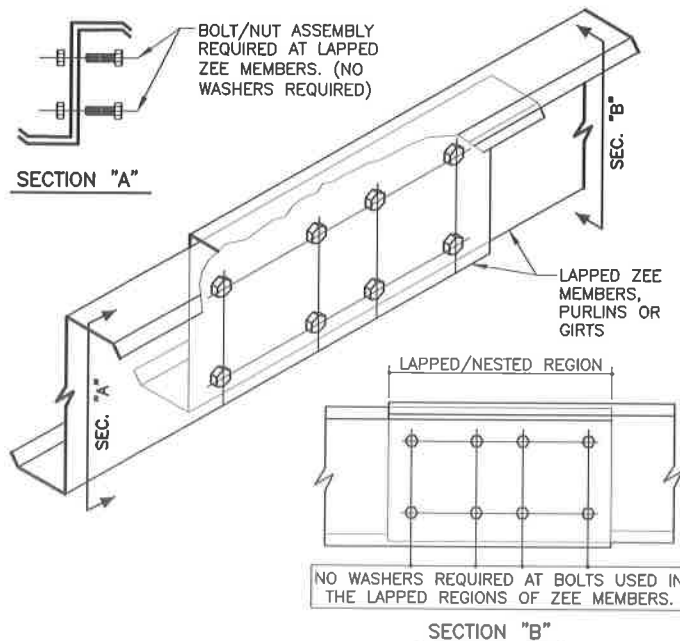
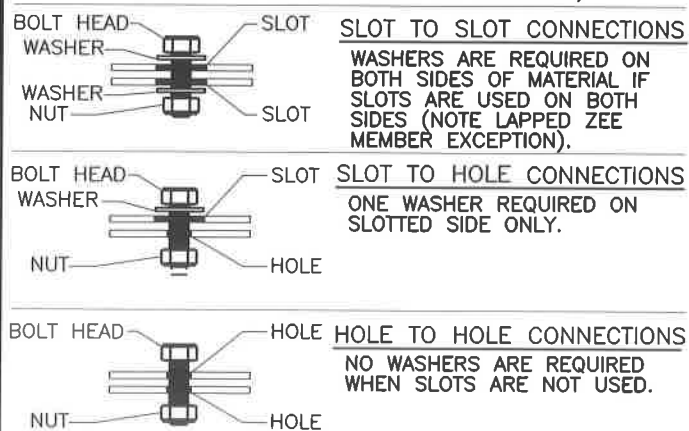


PURLIN SUPPORT METHODS

B00010

R C R B D
RECORD SET

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



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	

DATE	ISSUE	BY	CHKD	DATE
04/15/16	CDS	GRJ	RHW	
04/15/16	CDS	GRJ	RHW	
04/15/16	CDS	GRJ	RHW	
04/15/16	CDS	GRJ	RHW	

Anchor Bolt Plans for Const.
Permit Drawings

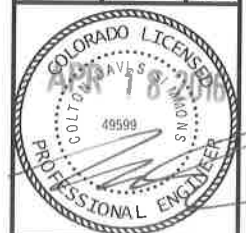
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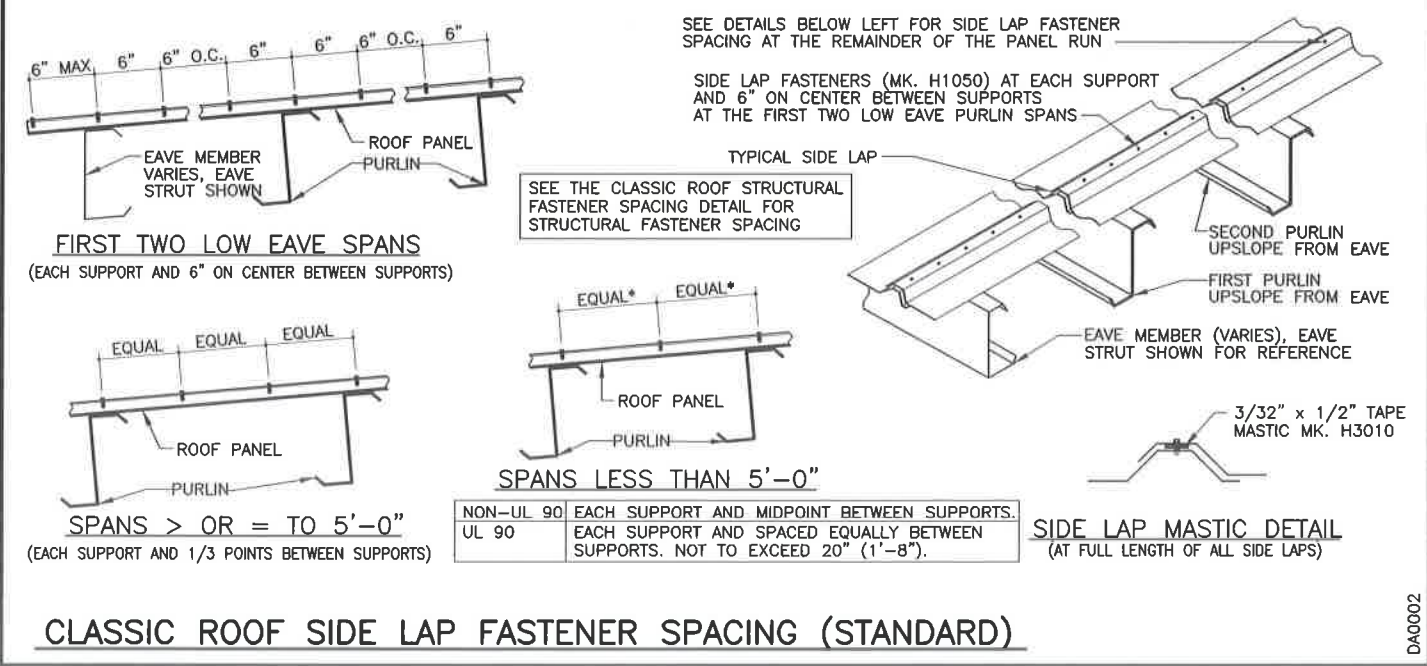
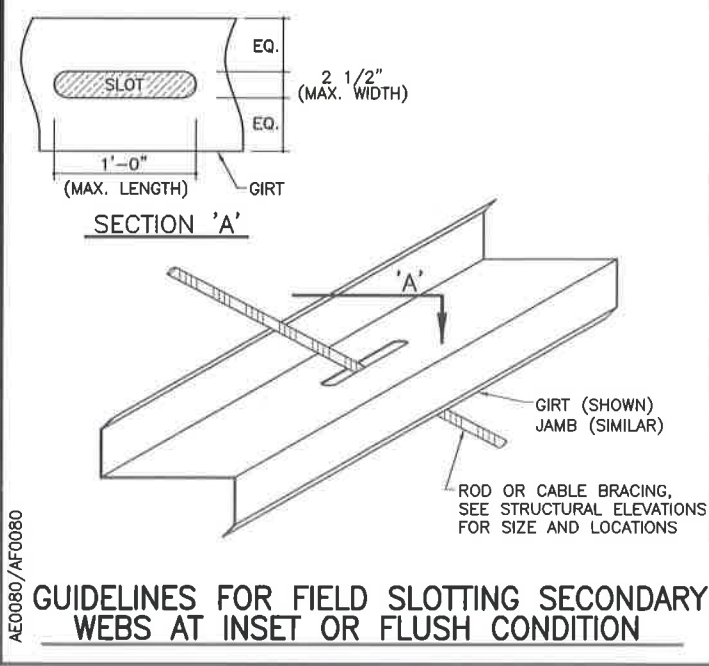
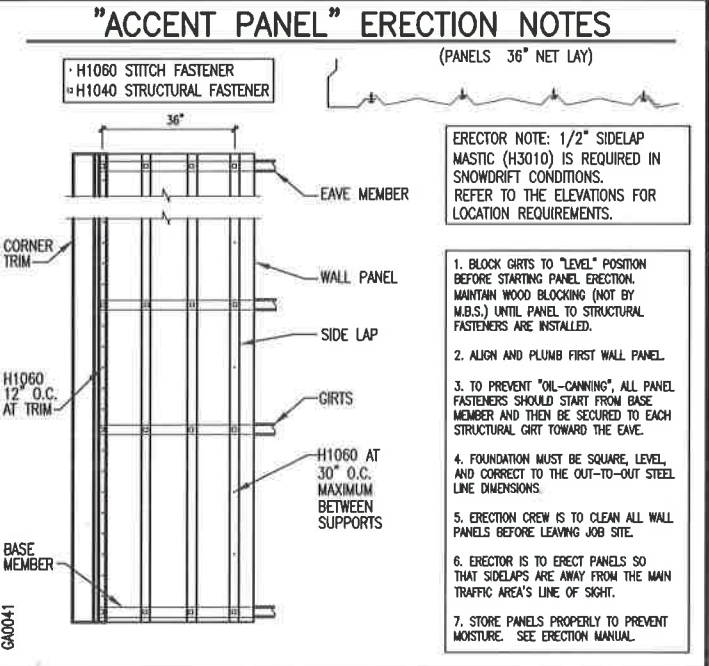
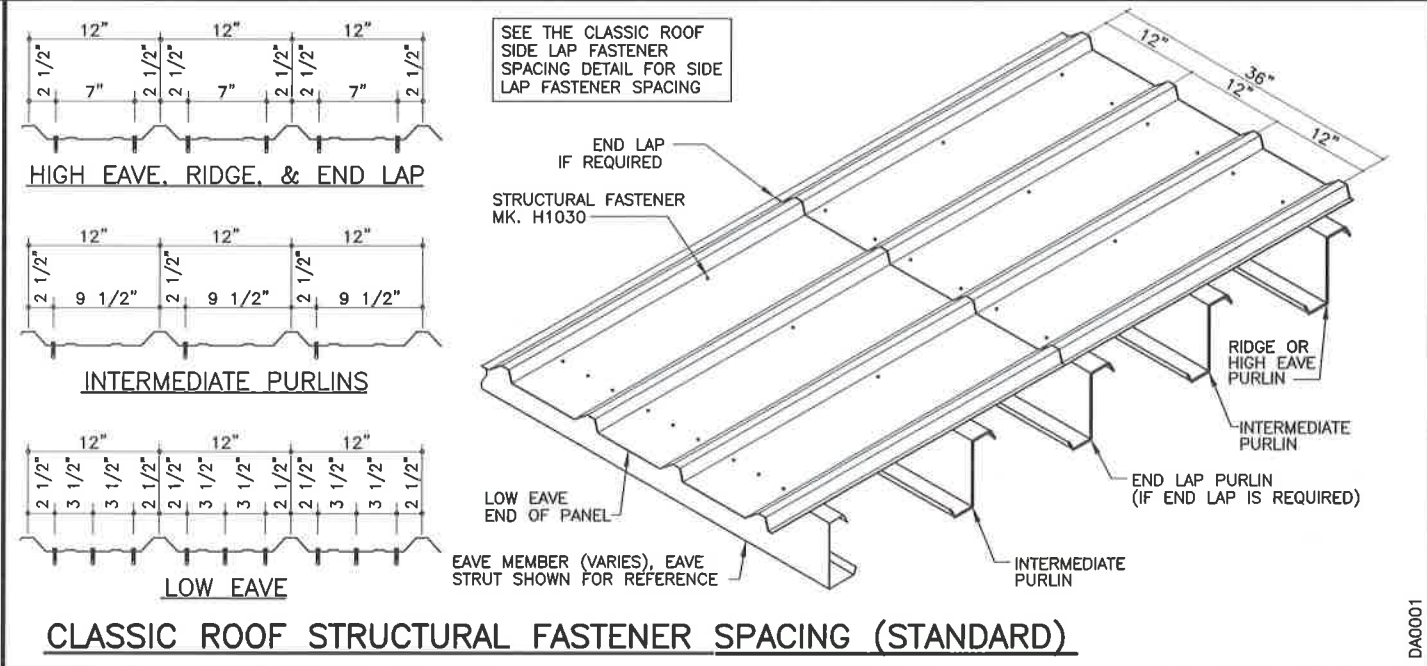
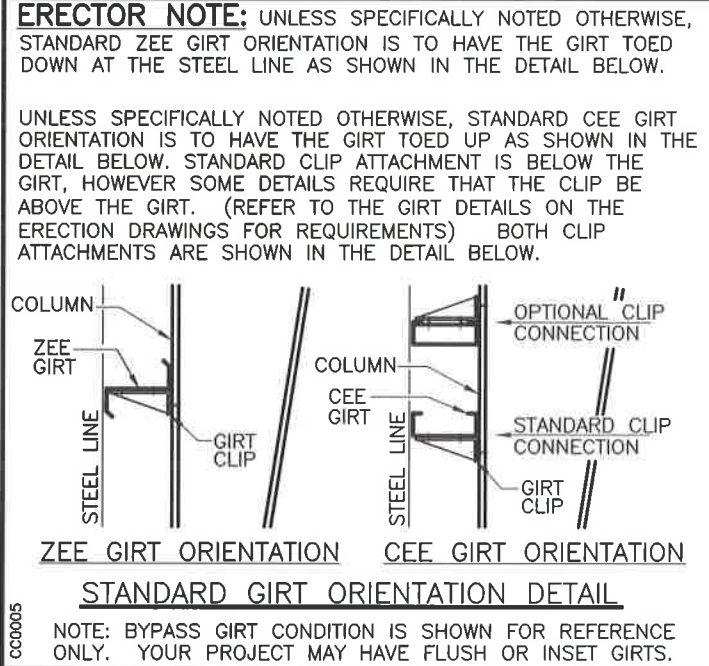
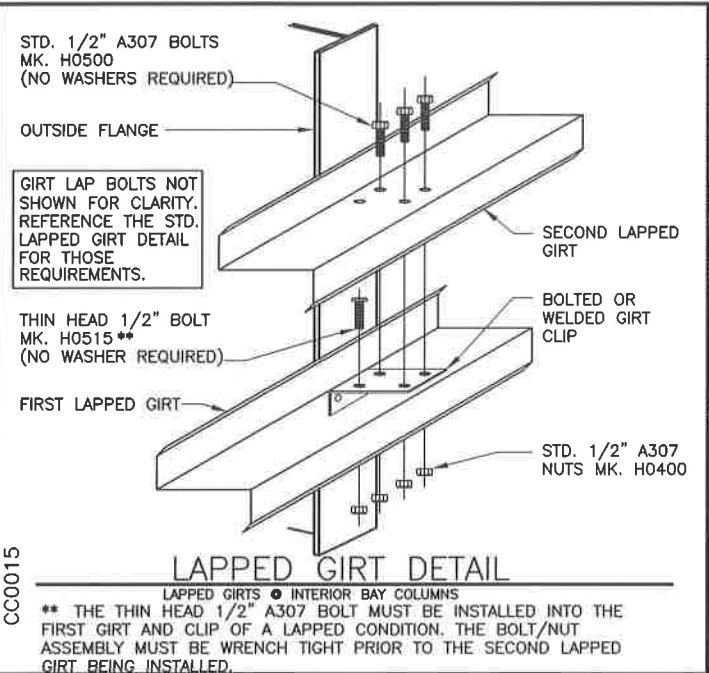
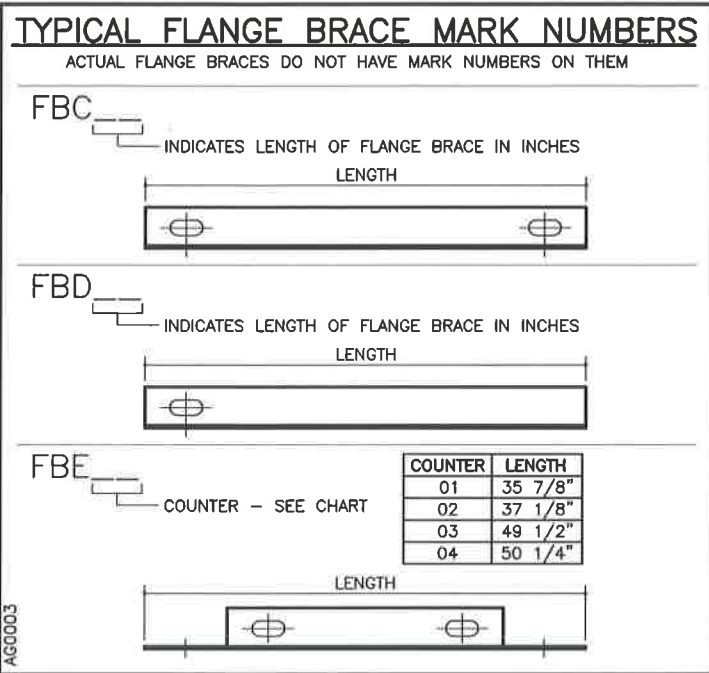
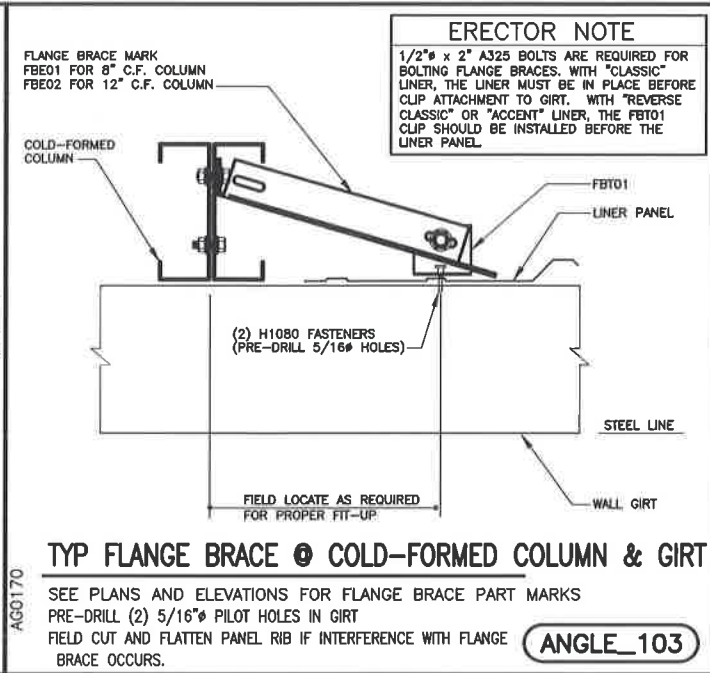
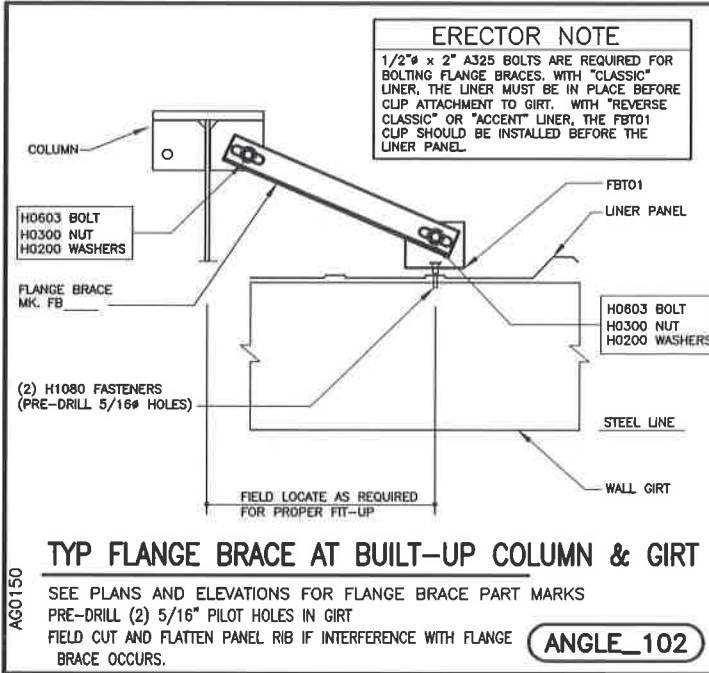
CUSTOMER NAME
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STEAMBOAT SPRINGS CO

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SHEET TITLE



D3 of 9



R C R B D

RECORD SET

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DA0000

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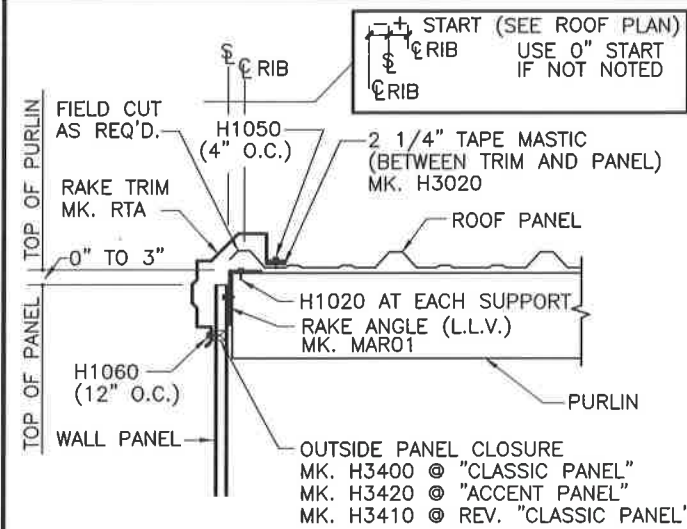
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STANDARD FASTENER SCHEDULE

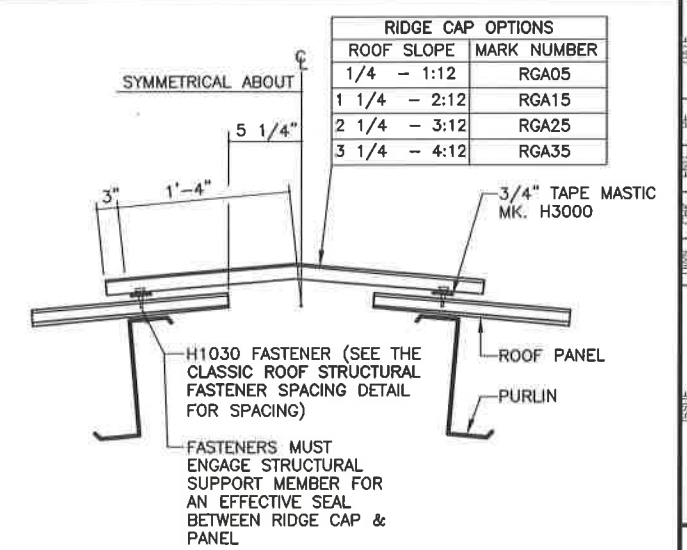
H1000 SELF-TAPPING SCREW (GOOF SCREW) WITH WASHER LONG LIFE FASTENER 3/8" HEAD	H1042 SELF-DRILLING SCREW 12-14 x 7/8" TCP3 W/O WASHER 5/16" HEAD	H1070 SELF-DRILLING SCREW 12-24 x 1 1/2" TCP5 W/O WASHER 5/16" HEAD 1/2" THK MAX DRILLING CAPACITY
H1020 SELF-DRILLING SCREW 1/4-14 x 1 1/4" TCP3 W/O WASHER 3/16" THK MAX DRILLING CAPACITY 5/16" HEAD	H1045 SELF-DRILLING SCREW 12-14 x 2" TCP3 W/O WASHER 5/16" HEAD	
H1030 SELF-DRILLING SCREW 12-14 x 1 1/4" TCP2 WITH WASHER LONG LIFE FASTENER 5/16" HEAD	H1047 SELF-DRILLING SCREW 12-14 x 2" TCP3 FLAT TOP WITH WASHER 5/16" HEAD	H1100 1/8" x 3/16" STAINLESS STEEL BLIND POP RIVET
H1035 SELF-DRILLING SCREW 12-14 x 1 1/2" TCP2 WITH WASHER LONG LIFE FASTENER 5/16" HEAD	H1050 SELF-DRILLING SCREW 1/4-14 x 7/8" TCP1 WITH WASHER LONG LIFE FASTENER 5/16" HEAD	H1110 3/8" STAINLESS GROMMET FASTENER
H1040 SELF-DRILLING SCREW 12-14 x 1 1/4" TCP2 W/O WASHER 5/16" HEAD	H1060 SELF-DRILLING SCREW 12-14 x 7/8" TCP1 W/O WASHER 5/16" HEAD	H1220 SELF-DRILLING SCREW 12-14 x 1" TCP3 W/O WASHER PHILLIPS HEAD
H1041 SELF-DRILLING SCREW 12-14 x 1 1/4" TCP2 FLAT TOP WITH WASHER 5/16" HEAD	H1061 SELF-DRILLING SCREW 12-14 x 7/8" TCP1 FLAT TOP WITH WASHER 5/16" HEAD	

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



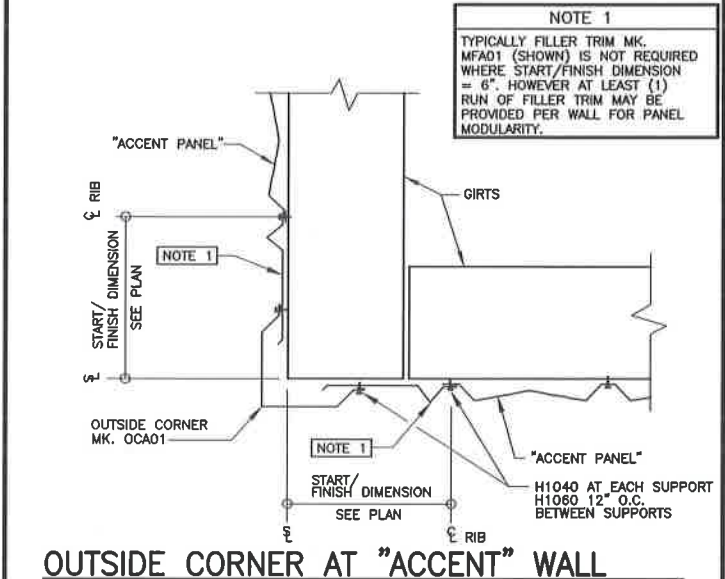
SCULPTURED RAKE AT "CLASSIC" ROOF

SEE WALL SHEETING ERECTION NOTES FOR FASTENER LOCATIONS **TRIM_2**



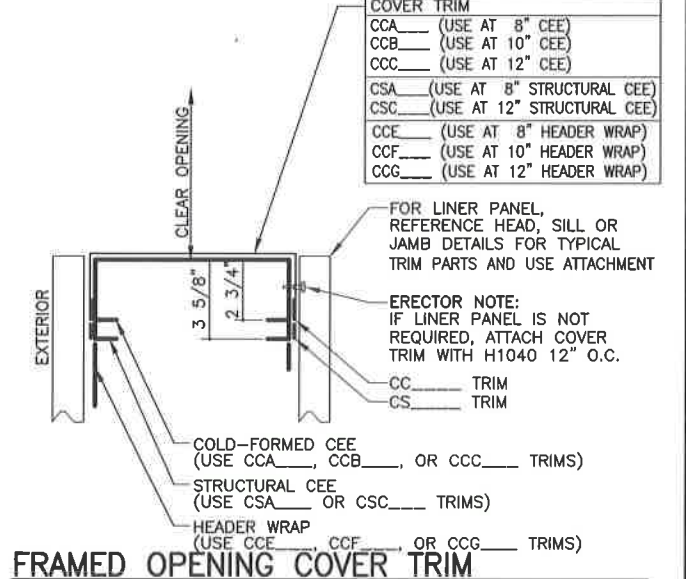
DIE-FORMED RIDGE AT "CLASSIC" ROOF

TRIM_3



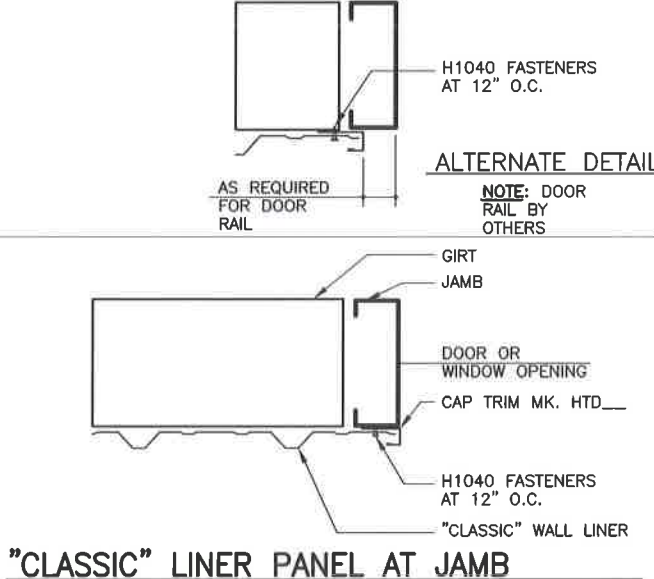
OUTSIDE CORNER AT "ACCENT" WALL

TRIM_8



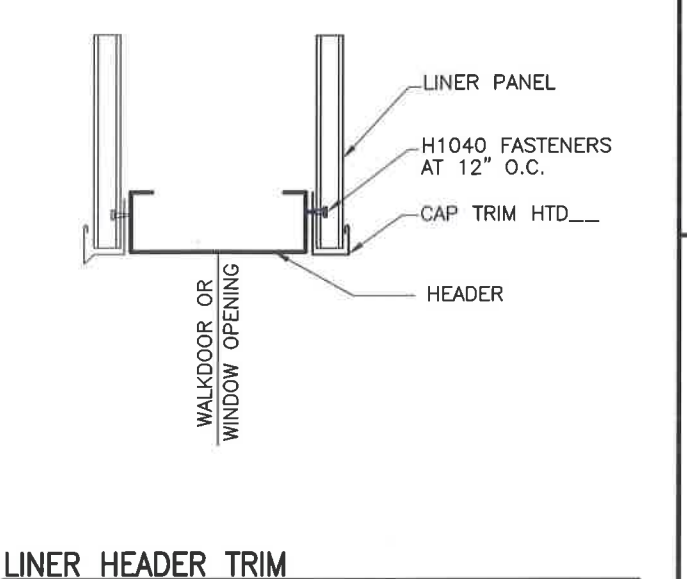
FRAMED OPENING COVER TRIM

SILL SHOWN, HEADER AND JAMBS SIMILAR **TRIM_19**



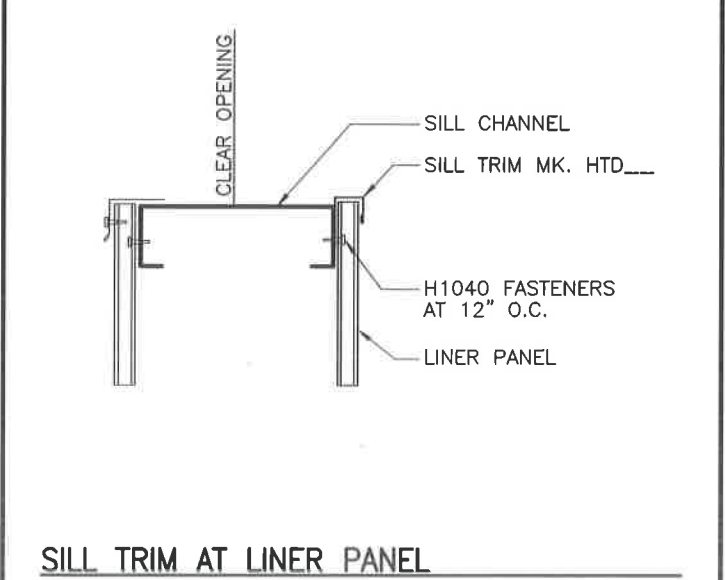
"CLASSIC" LINER PANEL AT JAMB

SEE WALL SHEETING ERECTION NOTES FOR FASTENER LOCATIONS **TRIM_23**



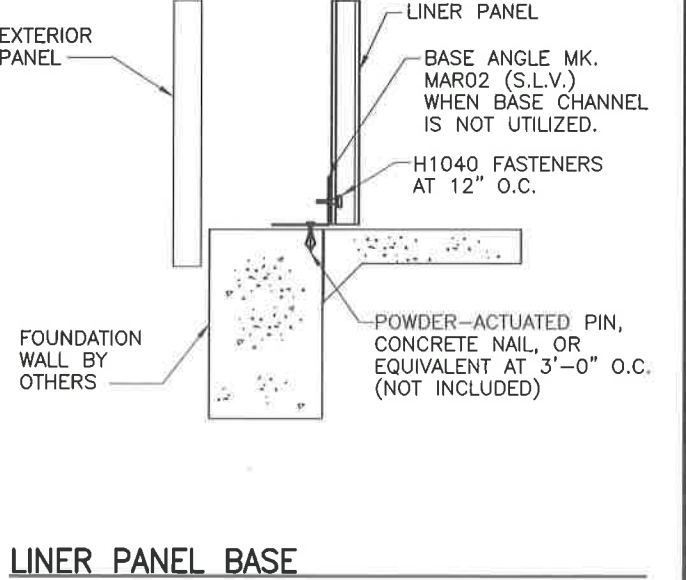
LINER HEADER TRIM

AT WALKDOOR OR WINDOW OPENINGS **TRIM_27**



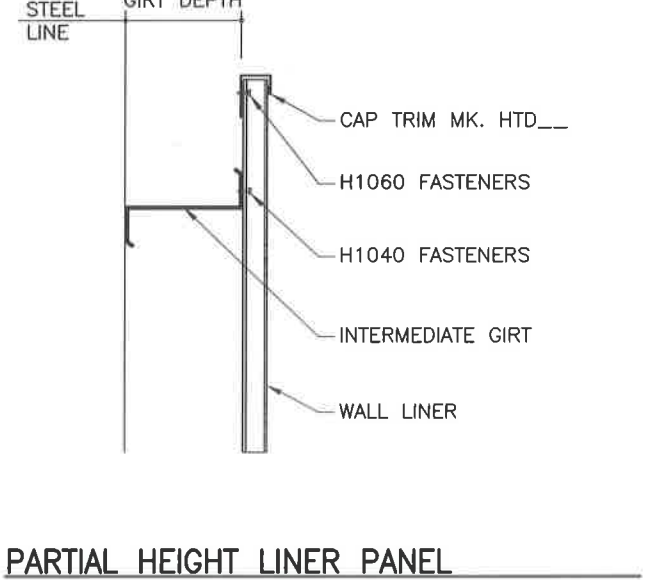
SILL TRIM AT LINER PANEL

TRIM_28



LINER PANEL BASE

TRIM_38



PARTIAL HEIGHT LINER PANEL

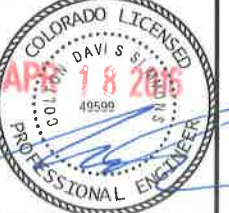
TRIM_39

RCRBD RECORD SET

Anchor Bolt Plans for Const.	PMG	GRU	RHW	CS	04/15/16
Permit Drawings	PMG	GRU	RHW	CS	04/15/16

OLYMPIA STEEL BUILDING SYSTEMS
400 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE: (888) 448-7756

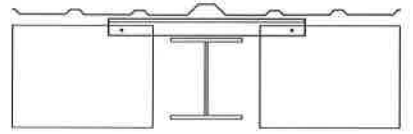
PROJECT NAME
ROUTT COUNTY ROAD & BRIDGE
OAK CREEK CO
CUSTOMER NAME
ROUTT COUNTY ROAD & BRIDGE
STEAMBOAT SPRINGS CO
JOB NUMBER
U1600196A
SHEET TITLE



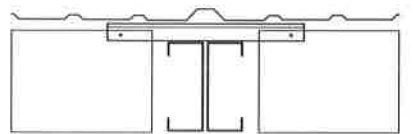
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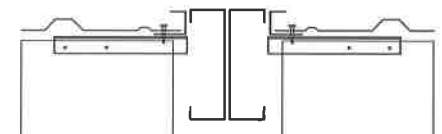
BUILT UP COLUMN
(FLANGE EXTENDS PAST INSIDE FACE OF GIRT)



BUILT UP COLUMN
(FLANGE INSET TO INSIDE FACE OF GIRT)

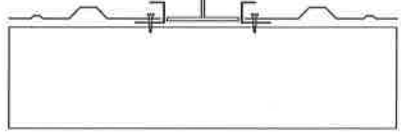


SINGLE OR DOUBLE CEE COLUMN
(FLANGE INSET TO INSIDE FACE OF GIRT)

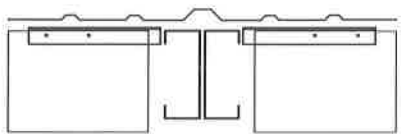


SINGLE OR DOUBLE CEE COLUMN
(FLANGE EXTENDS PAST INSIDE FACE OF GIRT)

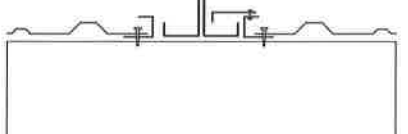
BUILT UP COLUMN
(FLANGE EXTENDS PAST INSIDE FACE OF GIRT)



BUILT UP COLUMN OR RAFTER
(GIRT OR PURLIN BYPASSES FRAME)

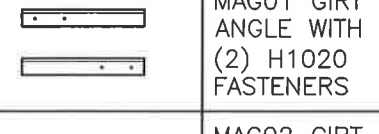


SINGLE OR DOUBLE CEE COLUMN
(FLANGE FLUSH TO INSIDE FACE OF GIRT)



SINGLE CEE COLUMN
(GIRT BYPASSES FRAME)

BUILT UP COLUMN
(FLANGE FLUSH TO INSIDE FACE OF GIRT)



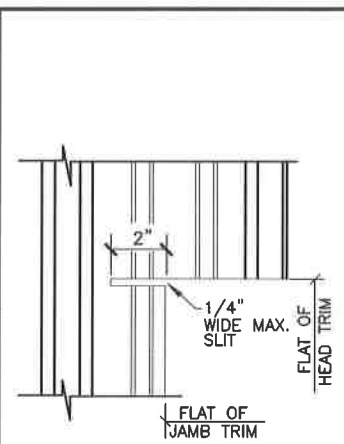
PARTS LEGEND

	MAG01 GIRT ANGLE WITH (2) H1020 FASTENERS
	MAG02 GIRT ANGLE WITH (2) H1020 FASTENERS
	HTD H1040 EACH SUPPORT, H1060 12" O.C. BETWEEN
	CTA01 CAP TRIM WITH H1100 RIVETS AT 36" O.C.

SINGLE-DOUBLE 12" CEE COLUMN
(FLANGE EXTENDS PAST INSIDE FACE OF GIRT)

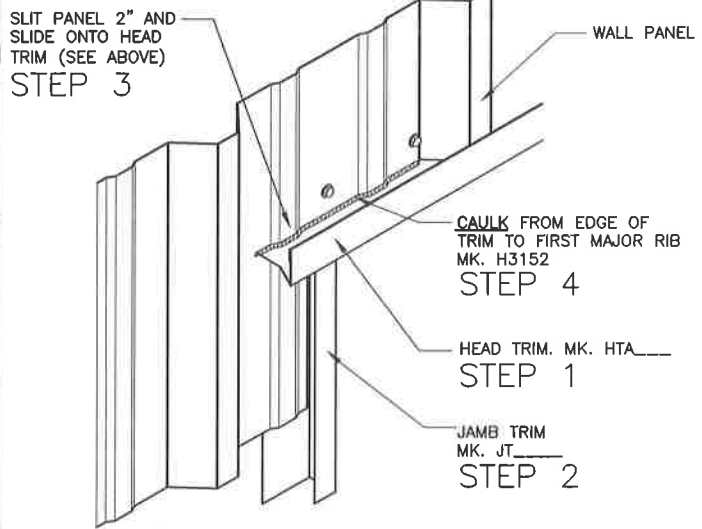
"CLASSIC" LINER TERMINATION DETAILS AT INTERMEDIATE COLUMNS

TRIM_32

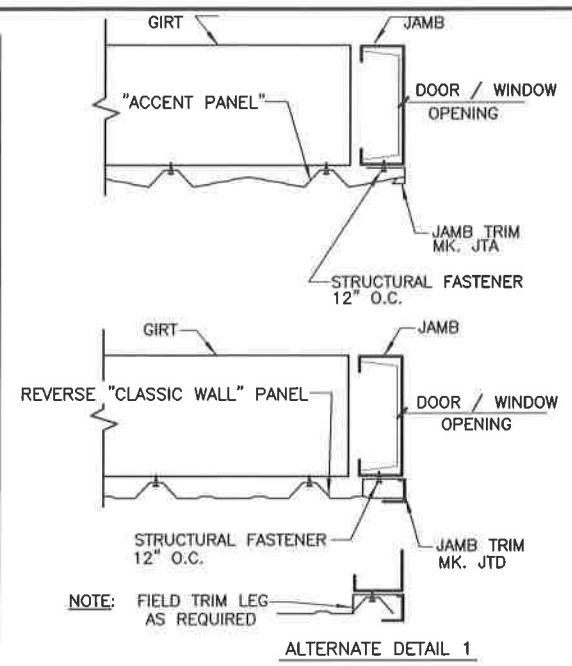


PANEL SLIT
STEP 3

PANEL SLIT
STEP 3

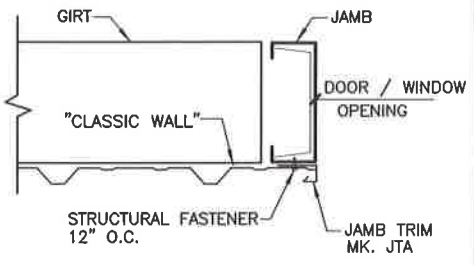


DOOR FRAMED OPENING TRIM DETAIL
FOR ALL STANDARD WALL PANEL TYPES
LEFT HAND SHOWN, RIGHT HAND SIMILAR
TRIM_98



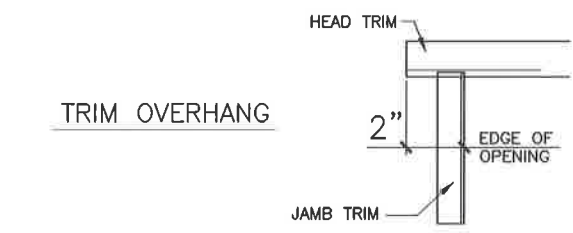
ALTERNATE DETAIL 1

FASTENER KEY
STITCH FASTENER = H106_
STRUCTURAL FASTENER = H104_
WITH COLD-FORM
STRUCTURAL FASTENER = H1070
WITH HOT-ROLLED

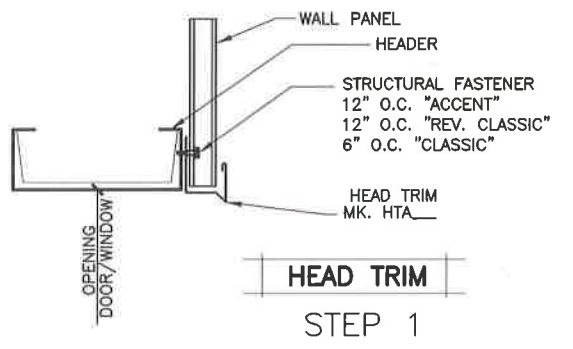


JAMB TRIM
STEP 2

NOTE: FIELD CUT PANELS AS REQUIRED



TRIM OVERHANG



HEAD TRIM
STEP 1

RCRBD
RECORD SET

DATE	04/15/16
BY	CD
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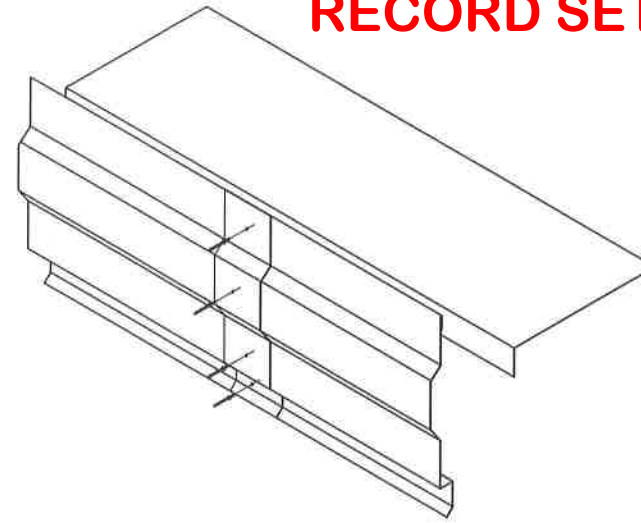
Anchor Bolt Plans for Const. Permit Drawings
OLYMPIA STEEL BUILDING SYSTEMS
400 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE: (888) 448-7756

PROJECT NAME
ROUTT COUNTY ROAD & BRIDGE
OAK CREEK CO
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ROUTT COUNTY ROAD & BRIDGE
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JOB NUMBER
U1600196A
SHEET TITLE



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RCRBD RECORD SET

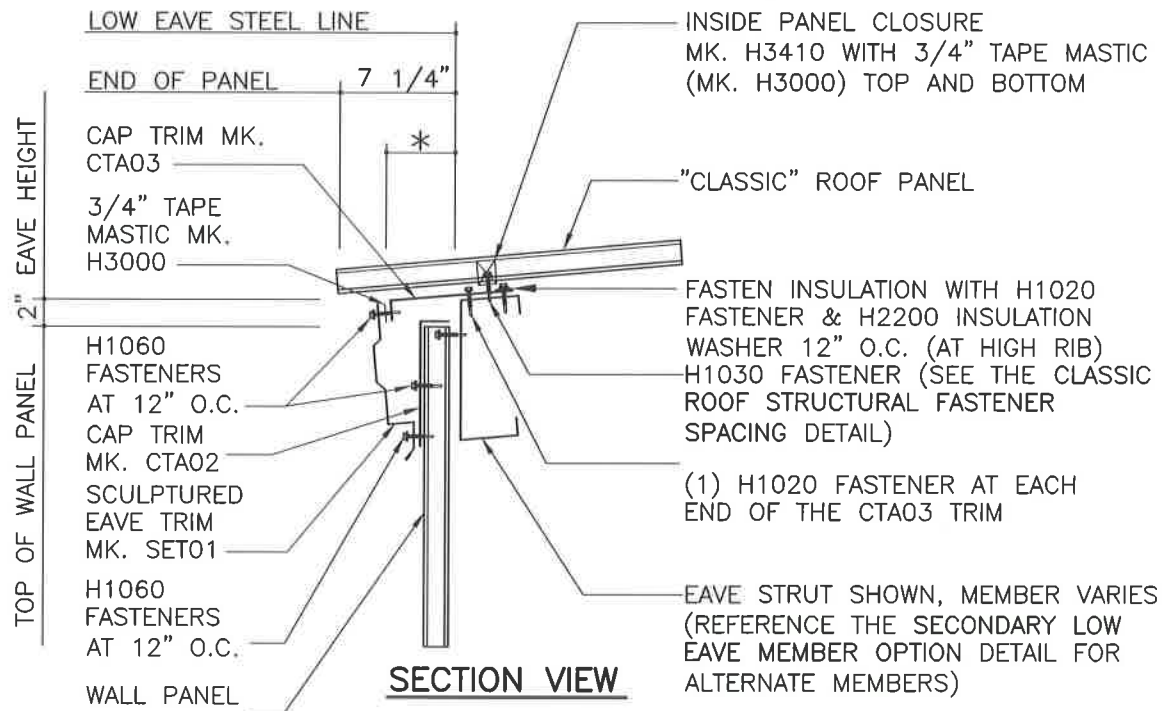


SCULPTURED EAVE TRIM SPLICE

APPLY A CONTINUOUS BEAD OF TUBE CAULK (MK. H3152) TO THE END OF THE ADJOINING TRIM PIECE AND LAP 1". FASTEN WITH (4) COLORED POP RIVETS (MK. H1100) AS SHOWN.

FOLLOW THE CLASSIC ROOF ERECTION MANUAL WITH THE FOLLOWING EXCEPTIONS AT SCULPTURED EAVE TRIM APPLICATIONS:

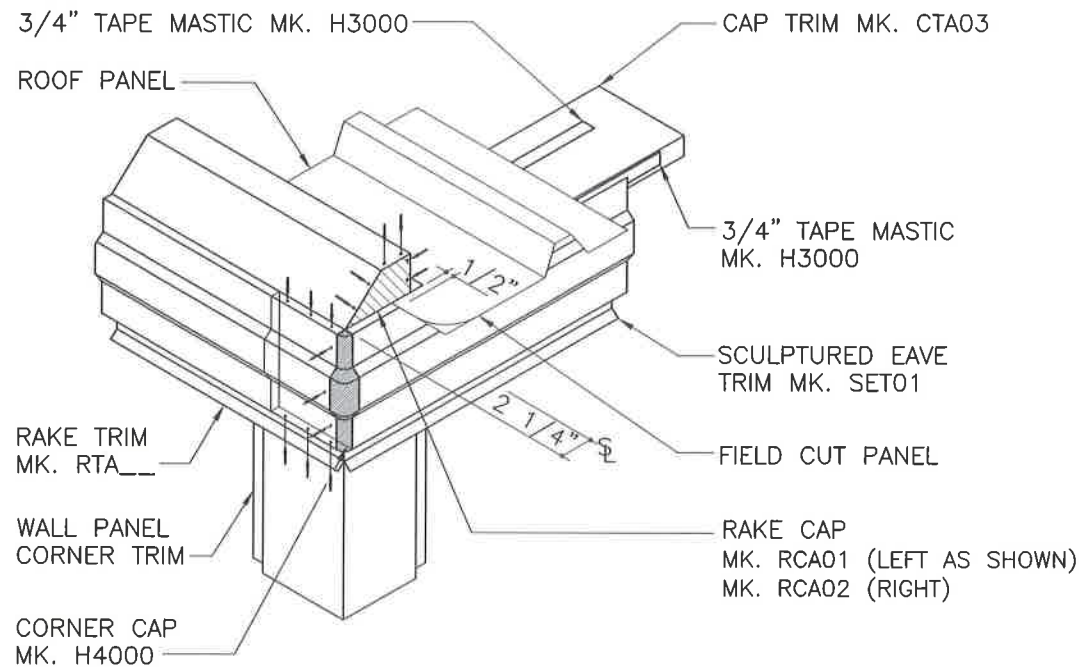
- 1) THE CTA03 CAP TRIM ON THE EAVE STRUT MUST BE ERECTED PRIOR TO INSTALLING THE ROOF PANEL AND THE SCULPTURED EAVE TRIM. (SEE THE CLASSIC ROOF ERECTION MANUAL).
- 2) INSULATION MUST BE INSTALLED PRIOR TO INSTALLING THE ROOF PANELS. INSULATION IS NOT SHOWN IN THIS DETAIL FOR CLARITY. (SEE THE CLASSIC ROOF ERECTION MANUAL FOR PROPER INSTALLATION OF THE INSULATION)
- 3) INSTALL 3/4" TAPE MASTIC (MK. H3000) TO THE SHORT VERTICAL LEG OF THE CTA03 CAP TRIM. EXTEND THE SCULPTURED EAVE TRIM 2 1/4" PAST THE ENDWALL STEEL LINE (1" PAST THE EDGE OF THE WALL CORNER TRIM). COPE THE BOTTOM VERTICAL LEG FLUSH WITH THE EDGE OF THE CORNER TRIM. FASTEN THE TRIM TO THE WALL PANEL AND CAP TRIM WITH H1060 FASTENERS AT 12" O.C.
- 4) APPLY A CONTINUOUS BEAD OF TUBE CAULK (MK. H3152) AROUND THE PERIMETER OF THE RCA__ CORNER CAP, CLOSE TO THE INSIDE EDGE OF THE CAP.
- 5) INSERT THE CORNER CAP INTO THE SCULPTURED RAKE TRIM, LEAVING 1/2" EXPOSURE ALL AROUND. FASTEN WITH (3) H1100 COLORED POP RIVETS AT FRONT ONLY.
- 6) INSTALL THE RAKE CAP AT THE RAKE EDGE OF THE SCULPTURED EAVE TRIM & 1/2" FROM THE FIRST VERTICAL FACE OF THE SCULPTURED EAVE (AS SHOWN AT LEFT). UTILIZE TUBE CAULK (MK. H3152) AROUND THE PERIMETER OF EDGE OF THE RAKE CAP.
- 7) APPLY A BEAD OF TUBE CAULK (MK. H3152) 1 1/2" FROM THE FACE OF THE EAVE TRIM ALONG THE RAKE SIDE OF THE CORNER CAP. THIS BEAD SHOULD INCLUDE BOTH THE TOP & BOTTOM EDGES OF THE CORNER CAP.
- 8) INSTALL THE RAKE TRIM RTA__ PER THE CLASSIC ROOF ERECTION MANUAL, 1/2" FROM THE FACE OF THE SCULPTURED EAVE TRIM.
- 9) FASTEN THE CORNER CAP AND THE RAKE CAP, AS SHOWN AT LEFT, WITH (15) COLORED POP RIVETS (MK. H1100).



SECTION VIEW

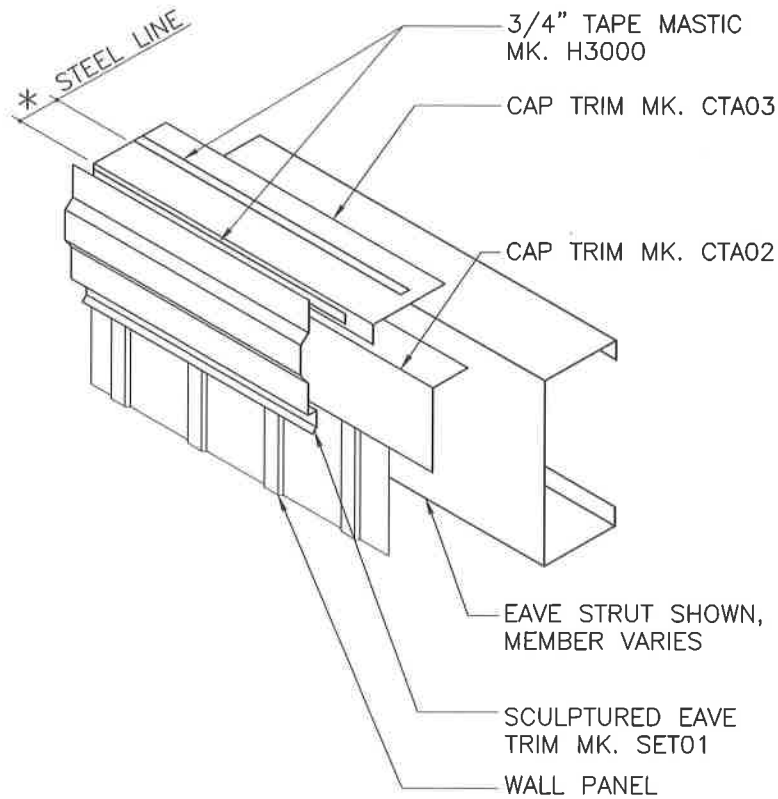
3" AT 1/2:12 ROOF SLOPE
3 1/2" AT 1:12 ROOF SLOPE
* 4 1/8" AT 2:12 ROOF SLOPE
4 5/8" AT 3:12 ROOF SLOPE
5 1/8" AT 4:12 ROOF SLOPE

NOTE: CTA02 TRIM NOT SHOWN IN THIS DETAIL FOR CLARITY



ISOMETRIC VIEW AT CORNER

POP RIVET



ISOMETRIC VIEW AT LOW EAVE

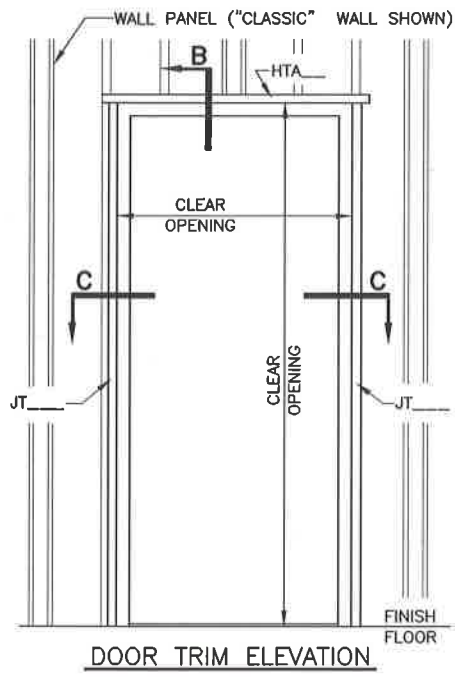
SCULPTURED EAVE TRIM w/ CLASSIC ROOF

SEE WALL PANEL ERECTION NOTES FOR FASTENER LOCATIONS

TRIM_850

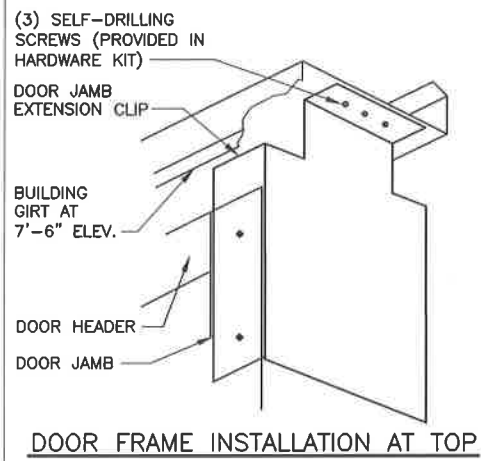
DATE	04/15/16	DATE	04/15/16		
REV	RHW	RHW	RHW	RHW	RHW
ISSUE	PMG	GRU	PMG	GRU	PMG
Anchor Bolt Plans for Const. Permit Drawings					
<p>OLYMPIA STEEL BUILDING SYSTEMS</p> <p>400 ISLAND AVENUE MCKEES ROCKS, PA 15136</p> <p>PHONE: (888) 449-7756</p>					
<p>PROJECT NAME ROUTT COUNTY ROAD & BRIDGE</p> <p>CUSTOMER NAME OAK CREEK CO</p> <p>STEAMBOAT SPRINGS CO</p> <p>JOB NUMBER U1600196A</p> <p>SHEET TITLE</p>					
<p><small>This seal is provided only to the professional engineer who designed and supplied the Metal Building Manufacturer. The drawings and the metal buildings which they represent are the products of the Metal Building Manufacturer. This registered professional engineer whose name appears on these drawings is not responsible for the design or construction of the building or for the accuracy of the information provided on these drawings or for the compliance of the building with applicable codes and regulations. The professional engineer's seal and signature are required for the building to be constructed as shown.</small></p>					
<p>SHEET</p> <p style="font-size: 24px;">D8 of 9</p>					

GA0020

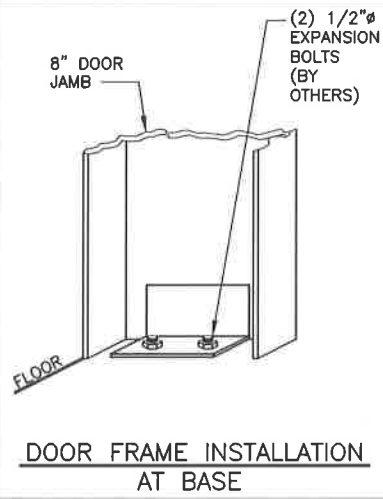


KNOCK DOWN DOOR ERECTION DETAILS

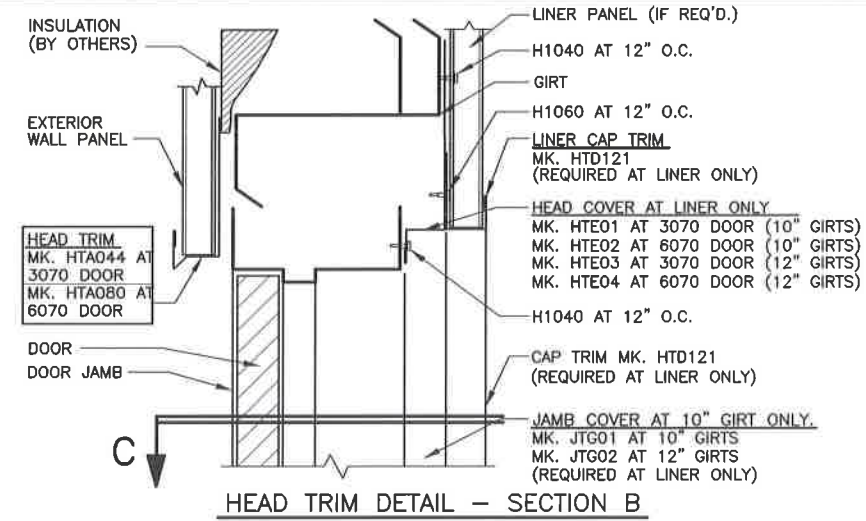
- 1) USE ONLY WHERE KNOCK DOWN DOORS ARE REQUIRED. SEE COVERSHEET (SHEET C1) FOR DOOR REQUIREMENTS.
- 2) FOLLOW DOOR AND FRAME ASSEMBLY INSTRUCTIONS PACKAGED WITH FRAME KIT.
- 3) HTA & JT TRIMS ARE FACTORY CUT TO LENGTH.



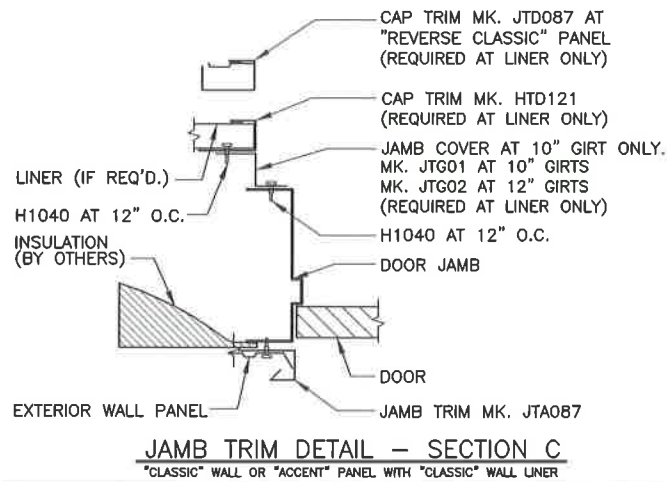
DOOR FRAME INSTALLATION AT TOP



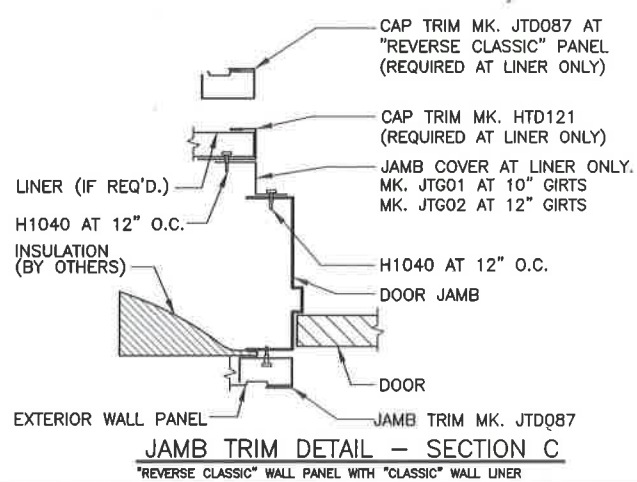
DOOR FRAME INSTALLATION AT BASE



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

DO NOT ATTACH INTERMEDIATE GIRT BELOW 7'-6" TO PRE-ASSEMBLED DOOR SUB-JAMB. EXTRA JAMBS HAVE BEEN PROVIDED FOR ATTACHMENT OF THE INTERMEDIATE GIRT BELOW 7'-6".

**R C R B D
RECORD SET**

DATE	BY	FOR
04/15/16	CD	Anchor Bolt Plans for Const.
04/15/16	CD	Permit Drawings

OLYMPIA STEEL BUILDING SYSTEMS
400 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE: (888) 449-7756

PROJECT NAME
ROUTT COUNTY ROAD & BRIDGE
OAK CREEK CO
CUSTOMER NAME
ROUTT COUNTY ROAD & BRIDGE
STEAMBOAT SPRINGS CO
JOB NUMBER
U1600196A



The user acknowledges that the information herein is for informational purposes only and does not constitute an offer of insurance or any other financial product. The user agrees to indemnify and hold the provider harmless from all claims, damages, and expenses, including reasonable attorneys' fees, arising from the use of this information. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturers Association and does not serve as or represent the project engineer of record and shall not be construed as such.

MOUNTING SURFACE		PANEL E(1)										10,000 A.I.C. SYM					
208/120 VOLTS 3 PHASE 4 WIRE		MAIN MLO										BUS 400 A					
VOLT AMPS		DESCRIPTION										VOLT AMPS					
ØA	ØB	ØC	DESCRIPTION	R	L	P	B	C	C	B	P	R	DESCRIPTION	ØA	ØB	ØC	
ØA	ØB	ØC		E	T	O	K	I	I	K	O	E					
1800			3-Phase Rec				3	20	1	A	2	20	1	Lighting	1200		
	1800		-				-	3	B	4	20	1	Lighting		1200		
		1800	-				-	5	C	6	20	1	Lighting			1200	
1800			3-Phase Rec				3	20	7	A	8	20	1	Lighting	1200		
	1800		-				-	9	B	10	20	1	Lighting		1200		
		1800	-				-	11	C	12	20	1	Lighting			1200	
1800			3-Phase Rec				3	20	13	A	14	20	1	Lighting	1200		
	1800		-				-	15	B	16	20	1	Lighting		600		
		1800	-				-	17	C	18	20	1	Mechanical			1000	
1800			3-Phase Rec				3	20	19	A	20	20	1	Spare			
	1800		-				-	21	B	22	20	1	Spare				
		1800	-				-	23	C	24	20	1	Spare				
1080			Wall Recepts	6	1	20	25	A	26				Space				
	1080		Wall Recepts	6	1	20	27	B	28				Space				
		1080	Wall Recepts	6	1	20	29	C	30				Space				
1080			Wall Recepts	6	1	20	31	A	32				Space				
	1080		Wall Recepts	6	1	20	33	B	34				Space				
		1080	Wall Recepts	6	1	20	35	C	36				Space				
1080			Wall Recepts	6	1	20	37	A	38				Space				
	1080		Wall Recepts	6	1	20	39	B	40				Space				
		1080	Spare	1	1	20	41	C	42				Space				
10440	10440	9360	VA/LINE										3600	3000	3400		
ØA=	14040		ØB= 13440										ØC=	12760			
CONTINUOUS LOADS			NON-CONTINUOUS LOADS														
9000 x1.25= 11250			UP TO 10 kVA 8640 x1.00= 8640														
			RECEPTACLES REMAINDER x0.50=														
			OTHER 58600 x1.00 58600														
TOTAL DESIGN KVA= 78			TOTAL DESIGN AMPS= 218														

(1) Provide feed-through lugs.

MOUNTING SURFACE		PANEL B										10,000 A.I.C. SYM					
208/120 VOLTS 3 PHASE 4 WIRE		MAIN 200 A										BUS 225 A					
VOLT AMPS		DESCRIPTION										VOLT AMPS					
ØA	ØB	ØC	DESCRIPTION	R	L	P	B	C	C	B	P	R	DESCRIPTION	ØA	ØB	ØC	
ØA	ØB	ØC		E	T	O	K	I	I	K	O	E					
750			Center Heat				1	20	1	A	2	20	1	Heat/Fans	750		
	1000		Lathe				3	20	3	B	4	20	1	Heat/Flag Ltg		1000	
		1000	-				-	5	C	6	20	1	Receipt			720	
1000			-				-	7	A	8	20	1	Welding Fan	750			
		1000	-				-	9	B	10	20	2	Plasma Cutter		1000		
		1000	Space					11	C	12	-	-	-			1000	
2000			Hoist				3	30	13	A	14	100	2	Welder	5000		
	2000		-				-	15	B	16	-	-	-		5000		
		2000	-				-	17	C	18	-	-	-	Space			
750			VR System				1	20	19	A	20	30	1	Fuel Is	2200		
	3000		Air Compressor				3	50	21	B	22	15	1	Receipt		360	
		3000	-				-	23	C	24	20	2	Roof Fan			1000	
3000			Space				-	25	A	26	-	-	-		1000		
	2600		S Out Rec				2	50	27	B	28	20	2	Wall Fan		1000	
		2600	-				-	29	C	30	-	-	-			1000	
1800			Patch Trlr				2	30	31	A	32	20	2	Roof Fan	1000		
	1800		-				-	33	B	34	-	-	-		1000		
		1800	Space					35	C	36	100	3	Welder			5000	
		1800	Space					37	A	38	-	-	-		5000		
		1800	Space					39	B	40	-	-	-			5000	
		1800	Space					41	C	42	-	-	-			5000	
9300	10400	8600	VA/LINE										15700	14360	8720		
ØA=	25000		ØB= 24760										ØC=	17320			
CONTINUOUS LOADS			NON-CONTINUOUS LOADS														
x1.25=			UP TO 10 kVA 1080 x1.00= 1080														
			RECEPTACLES REMAINDER x0.50=														
			OTHER 66000 x1.00 66000														
TOTAL DESIGN KVA= 67			TOTAL DESIGN AMPS= 186														

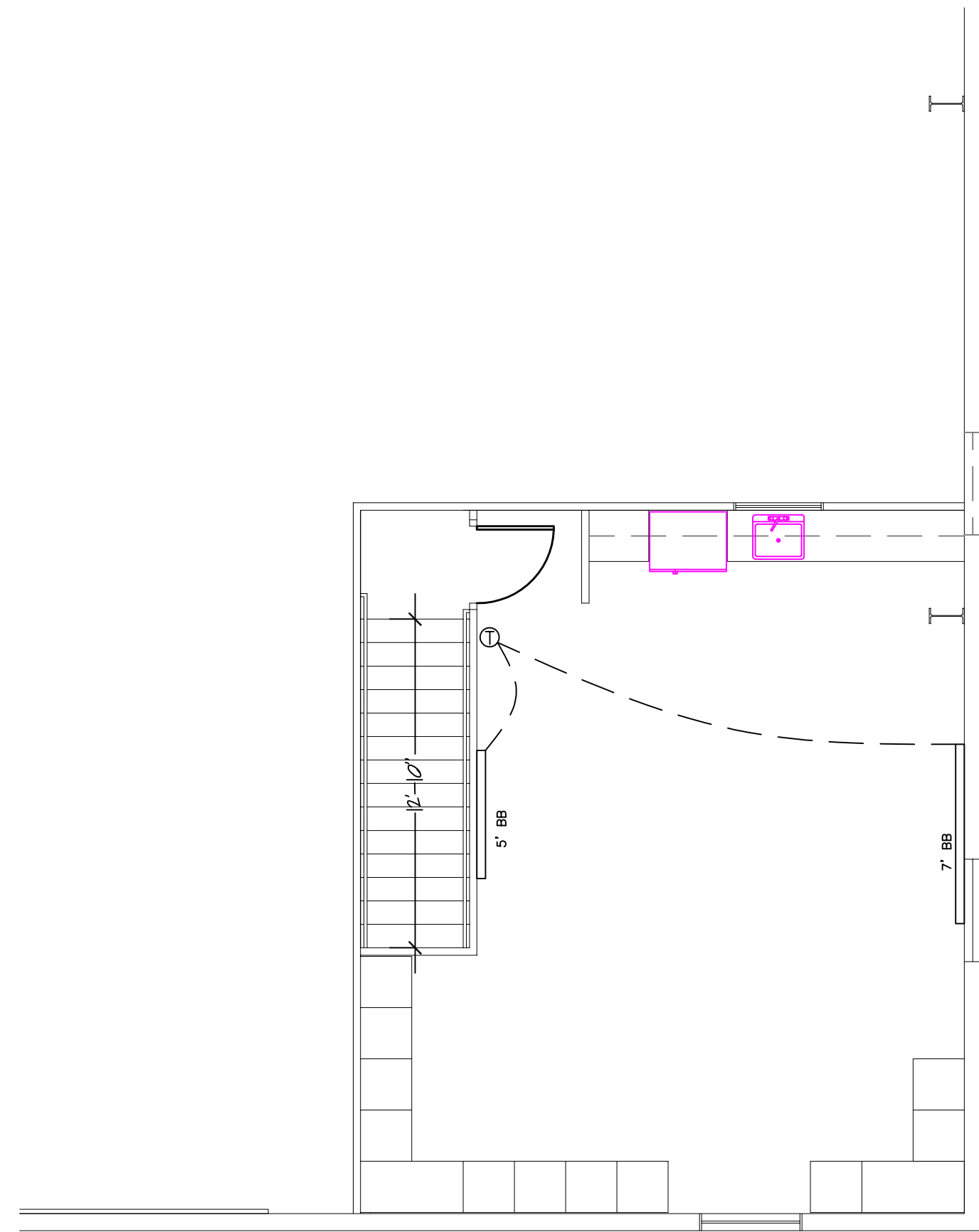
1 OVERALL BUILDING LOAD CALCULATION
NTS

MOUNTING SURFACE		PANEL E(2)										10,000 A.I.C. SYM					
208/120 VOLTS 3 PHASE 4 WIRE		MAIN FEED THRU										BUS 400 A					
VOLT AMPS		DESCRIPTION										VOLT AMPS					
ØA	ØB	ØC	DESCRIPTION	R	L	P	B	C	C	B	P	R	DESCRIPTION	ØA	ØB	ØC	
ØA	ØB	ØC		E	T	O	K	I	I	K	O	E					
1800			Block Heater				1	20	43	A	44	20	1	Block Heater	1800		
	1800		Block Heater				1	20	45	B	46	20	1	Block Heater		1800	
		1800	Block Heater				1	20	47	C	48	20	1	Block Heater			1800
1800			Block Heater				1	20	49	A	50	20	1	Block Heater	1800		
	1800		Block Heater				1	20	51	B	52	20	1	Block Heater		1800	
		1800	Block Heater				1	20	53	C	54	20	1	Block Heater			1800
1800			Block Heater				1	20	55	A	56	20	1	Block Heater	1800		
	1800		Block Heater				1	20	57	B	58	20	1	Block Heater		1800	
		1800	Block Heater				1	20	59	C	60	20	1	Block Heater			1800
1800			Block Heater				1	20	61	A	62	20	1	Block Heater	1800		
		1800	Spare				1	20	63	B	64	20	1	Spare			
		1800	Spare				1	20	65	C	66	20	1	Spare			
		1800	Spare				1	20	67	A	68	20	1	Spare			
		1800	Space					69	B	70				Space			
		1800	Space					71	C	72				Space			
		1800	Space					73	A	74				Space			
		1800	Space					75	B	76				Space			
		1800	Space					77	C	78				Space			
		1800	Space					79	A	80				Space			
		1800	Space					81	B	82				Space			
		1800	Space					83	C	84				Space			
7200	5400	5400	VA/LINE										7200	5400	5400		
ØA=	14400		ØB= 10800										ØC=	10800			
CONTINUOUS LOADS			NON-CONTINUOUS LOADS														
x1.25=			UP TO 10 kVA 720 x1.00= 720														
			RECEPTACLES REMAINDER x0.50=														
			OTHER 36000 x1.00 36000														
TOTAL DESIGN KVA= 36			TOTAL DESIGN AMPS= 100														

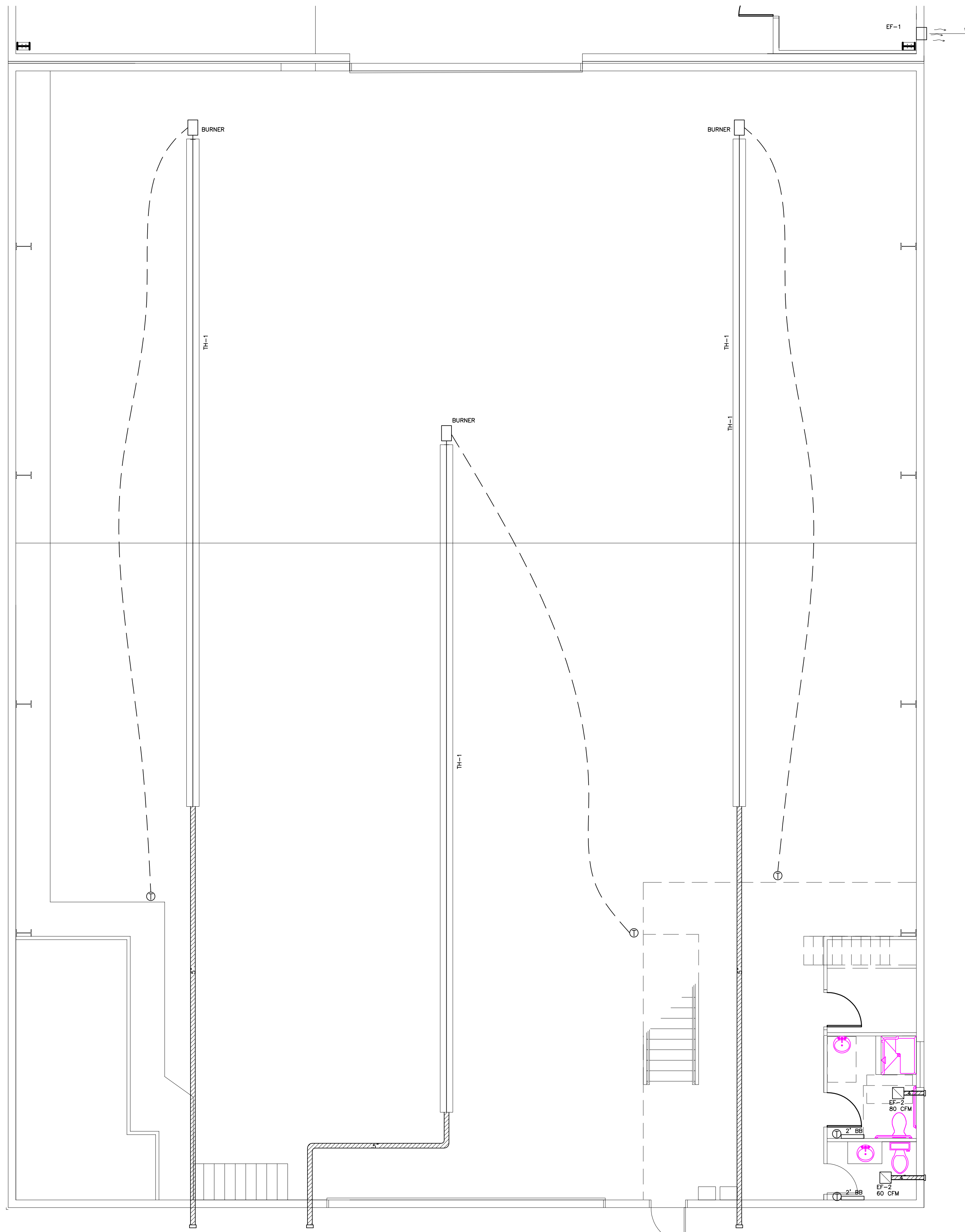
YAMPA VALLEY ELECTRIC ASSN. INC.
No changes to existing service or meter.
Approved: Jerry Nanio - YVEA.

Meter and meter panels are to be located as described by YVEA. They shall not be enclosed, covered or concealed. Violation shall result in termination of service.

MOUNTING SURFACE		PANEL C										10,000 A.I.C. SYM				
208/120 VOLTS 3 PHASE 4 WIRE		MAIN MLO										BUS 100 A				
VOLT AMPS		DESCRIPTION										VOLT AMPS				
ØA	ØB	ØC	DESCRIPTION	R	L	P	B	C	C	B	P	R	DESCRIPTION	ØA	ØB	ØC
ØA	ØB	ØC		E	T	O	K	I	I	K	O	E				
360			Recepts	2	1	20	1	A	2	30	2		Pressure Washer	2400		
	360		Recepts	2	1	20	3	B	4	-	-		-		2400	
		360	Space					5	C	6			Space			
		360	Space					7	A	8			Space			
		360	Space					9	B	10			Space			
		360	Space					11	C	12			Space			
		360	Space					13	A	14			Space			
		360	Space					15	B	16			Space			
		360	Space					17	C	18			Space			
		360	Space					19	A	20			Space			
		360	Space					21	B	22			Space			
		360	Space					23	C	24			Space			
		360	Space					25	A	26			Space			
		360	Space					27	B	28			Space			
		360	Space					29	C	30			Space			
3																



③ UPPER LEVEL HVAC PLAN
SCALE: 3/16" = 1'-0"



① HVAC PLAN 1A
SCALE: 3/16" = 1'-0"

HVAC LEGEND

	EXHAUST AIR DUCT
RH-1	RADIANT TUBE HEATER
EF-X	EXHAUST FAN
SF-X	SUPPLY FAN
X' BB	ELECTRIC BASEBOARD
⊙	THERMO-STAT

RCRBD
RECORD SET

YVE,
YAMPA VALLEY ENGINEERING, INC.

STRUCTURAL
MECHANICAL
ENGINEERING
DESIGN
DRAFTING
SERVICES

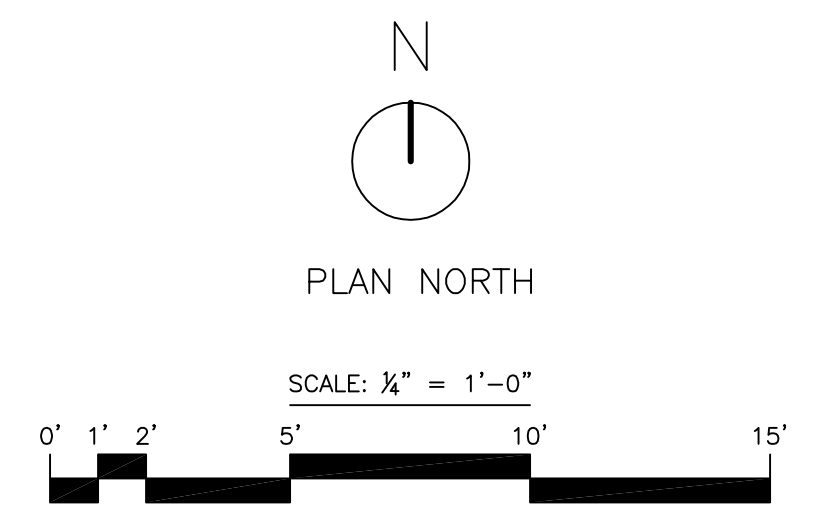
JAMES STEGMAIER, P.E.
1794 KAMAR PLAZA
P.O. BOX 772192
STEAMBOAT SPRINGS, CO
80477
970-870-9229
yvengr@yvengr.com

PLANS FOR:
COUNTY METAL BUILDING
24500 COUNTY ROAD 27
OAK CREEK, COLORADO

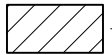
JOB NO: 16-024
DRAWN: JAS
DATE: 6-3-16

REVISIONS		
NO.	DATE	DRAWN

SHEET NUMBER
M-1



HVAC LEGEND

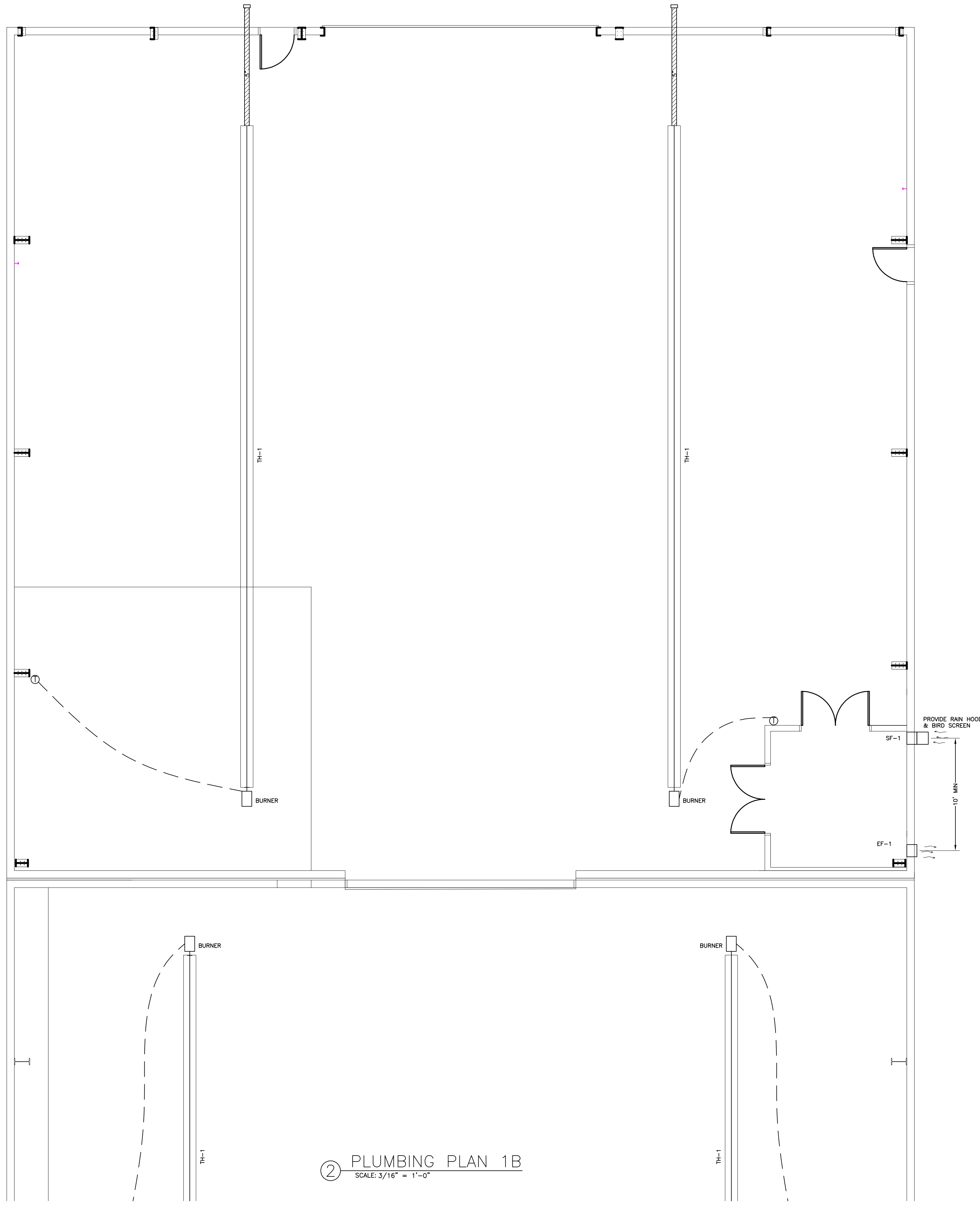
	EXHAUST AIR DUCT
RH-1	RADIANT TUBE HEATER
EF-X	EXHAUST FAN
SF-X	SUPPLY FAN
X' BB	ELECTRIC BASEBOARD
⊕	THERMO-STAT

YVE,
YAMPA VALLEY ENGINEERING, INC.

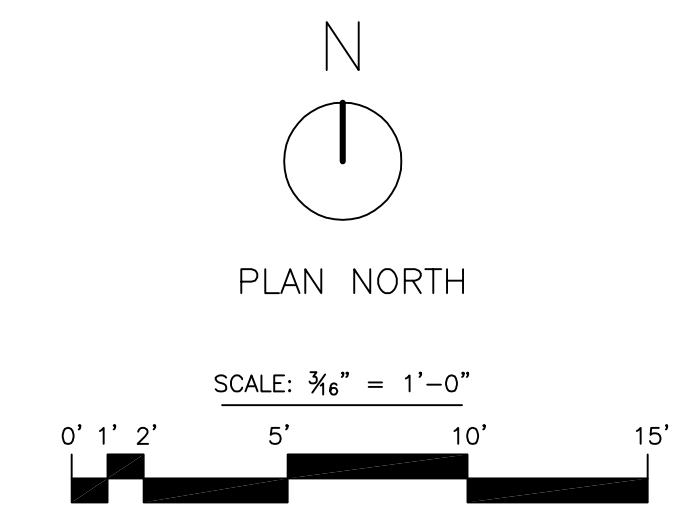
STRUCTURAL
MECHANICAL
ENGINEERING
DESIGN
DRAFTING
SERVICES

JAMES STEGMAIER, P.E.
1794 KAMAR PLAZA
P.O. BOX 772192
STEAMBOAT SPRINGS, CO
80477
970-870-9229
yvengr@yvengr.com

**RCRBD
RECORD SET**



② PLUMBING PLAN 1B
SCALE: 3/16" = 1'-0"



PLANS FOR:
COUNTY METAL BUILDING
24500 COUNTY ROAD 27
OAK CREEK, COLORADO

JOB NO: 16-024
DRAWN: JAS
DATE: 6-3-16

REVISIONS		
NO.	DATE	DRAWN

SHEET NUMBER
M-2

R C R B D
RECORD SET

AIR DISTRIBUTION

DESCRIPTION OF WORK

A. Mechanical contractor shall provide and install radiant tube heater system, exhaust fans, supply fan, ducts and grills, registers and diffusers as shown on the plans. Requirements for the air distribution system are as indicated herein.

MATERIALS

A. Sheet Metal: Except as otherwise indicated, fabricate ductwork from galvanized sheet steel complying with ASTM A 527, lockforming quality; with g 90 zinc coating in accordance with ASTM A 525; and mill phosphatized for exposed locations.

B. All duct dimensions shown are clear area dimensions.

MISCELLANEOUS DUCTWORK MATERIALS

A. General: Provide miscellaneous material and products of types and sizes indicated and, where not otherwise indicated, provide type and size required to comply with ductwork system requirements including proper connection of ductwork and equipment.

B. Fittings: Provide radius type fitting fabricated of multiple sections with maximum 15-degree change of direction per section. Use 45-degree laterals and elbows for branch takeoff connections.

C. Duct Liner: Fibrous glass, complying with Thermal Insulation Manufacturers Association (TMA) AHC-101; of 1" thick. The liner shall meet the Life Safety Standards as established by NFPA 90A and 90B. The duct liner shall conform to the requirements of ASTM C 1071, with and NRC not less than .65 and a thermal conductivity no higher than .25 at 75 Degrees F mean temperature.

D. Low Pressure Flexible Ducts: Duct shall be factory pre-insulated with a solid inner liner formed by a reinforced aluminum laminate material mechanically locked or bonded together by a corrosive resistant galvanized steel helix covered with a minimum 1-1/2" thick fiberglass blanket and sheathed in a polyethylene vapor barrier.

FABRICATION

A. Shop fabricates ductwork in 4, 8, 10 or 12-Ft. lengths.

B. Shop fabricates ductwork of gages and reinforcement complying with SMACNA HVAC Duct Construction Standards.

C. Fabricate duct fittings to match adjoining ducts, and to comply with duct requirements and applicable to fittings. Except as otherwise indicated, fabricate to include turning vanes in elbows where shorter radius is necessary. Limit angular tapers to 30 degrees for contracting tapers and 20 degrees to expanding tapers.

FACTORY-FABRICATED LOW PRESSURE DUCTWORK

A. General: At installer's option, provide factory-fabricated duct and fittings, in lieu of shop-fabricated duct and fittings.

B. Material: Galvanized sheet steel complying with ASTM A 527, lock forming quality, with ASTM A 525, G90 zinc coating, mill phosphatized.

C. Gage: 28-gage minimum for round and oval ducts and fittings, 4" through 24" diameter.

D. Elbows: One piece construction for 90 degree and 45 degree elbows 14" and smaller. Provide multiple gore construction for larger diameters with standing seam circumferential joint.

EQUIPMENT INSTALLATIONS

A. The radiant tube heating system shall be installed per manufacture's requirements and recommendations.

EQUIPMENT CONNECTIONS

General: Connect metal ductwork to equipment as indicated, provide flexible connection for each ductwork connection to equipment mounted on vibration isolators, and/or equipment containing rotating machinery. Provide access doors as indicated.

GRILLS, REGISTERS AND DIFFUSERS

A. Provide grills, registers and diffusers of manufactures standard air device where shown on the mechanical plans as require for complete installation.

B. Ceiling Compatibility: Provide air devices with border styles that are compatible with adjacent ceiling or wall finish. Owner shall have approval prior to installation.

INSTALLATION OF METAL DUCTWORK

A. Assemble and install ductwork in accordance with recognized industry practices that will achieve airtight and noiseless systems, capable of performing each indicated service. Align ductwork accurately, supporting ducts rigidly and support vertical ducts at every floor.

B. Routing: Locate ductwork runs, vertically and horizontally and avoid diagonal runs whenever possible. Locate runs as indicated by diagrams, detail and notations or, if not otherwise indicated, run ductwork in shortest route, which does not obstruct usable space, or block access for servicing building and its equipment. Coordinate layout with suspended ceiling and lighting layout and similar finished work.

C. Install metal ductwork in accordance with SMACNA HVAC Duct Construction Standards.

D. Turning vanes shall be located in all 90 degrees turns and tees.

E. Use 45 degree laterals and elbows for branch takeoff connections.

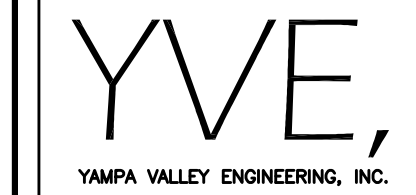
ADJUSTING AND CLEANING

Clean duct work internally, of dust and contractor. A balance report shall be furnished to the Project Manager and the Designer.

Start-up:

Operate installed system to demonstrate compliance with requirements. Check for leakage while system is operating and adjust or repair as necessary.

HVAC EQUIPMENT SCHEDULE									
MARK	DESCRIPTION	MANUFACTURE & MODEL	HEATING (MBU)	COOLING (MBU)	CFM @ 0.0 SP (UON)	ELECTRICAL			REMARKS
						VAC	PHASE	AMPS	
X-BB	ELECTRIC BASEBOARD	KING ELECTRIC	250W/FT	-	-	230	1	*	*1.04 AMP PER FT
TH	RADIANT TUBE HEATER	INFRASAV IQ-155-60	150	-	-	115	1	1.0	-
EF-1	SHUTTER MOUNTED EXHAUST FAN	DAYTON 1HLA1	-	-	585	120	1	1.50	-
SF-1	SHUTTER MOUNTED SUPPLY FAN	DAYTON 1HLA1	-	-	585	120	1	1.50	-
EF-2	BATH EXHAUST FAN	PANASONIC 80 CFM	-	-	80	120	1	1.0	-



**STRUCTURAL
MECHANICAL
ENGINEERING
DESIGN
DRAFTING
SERVICES**

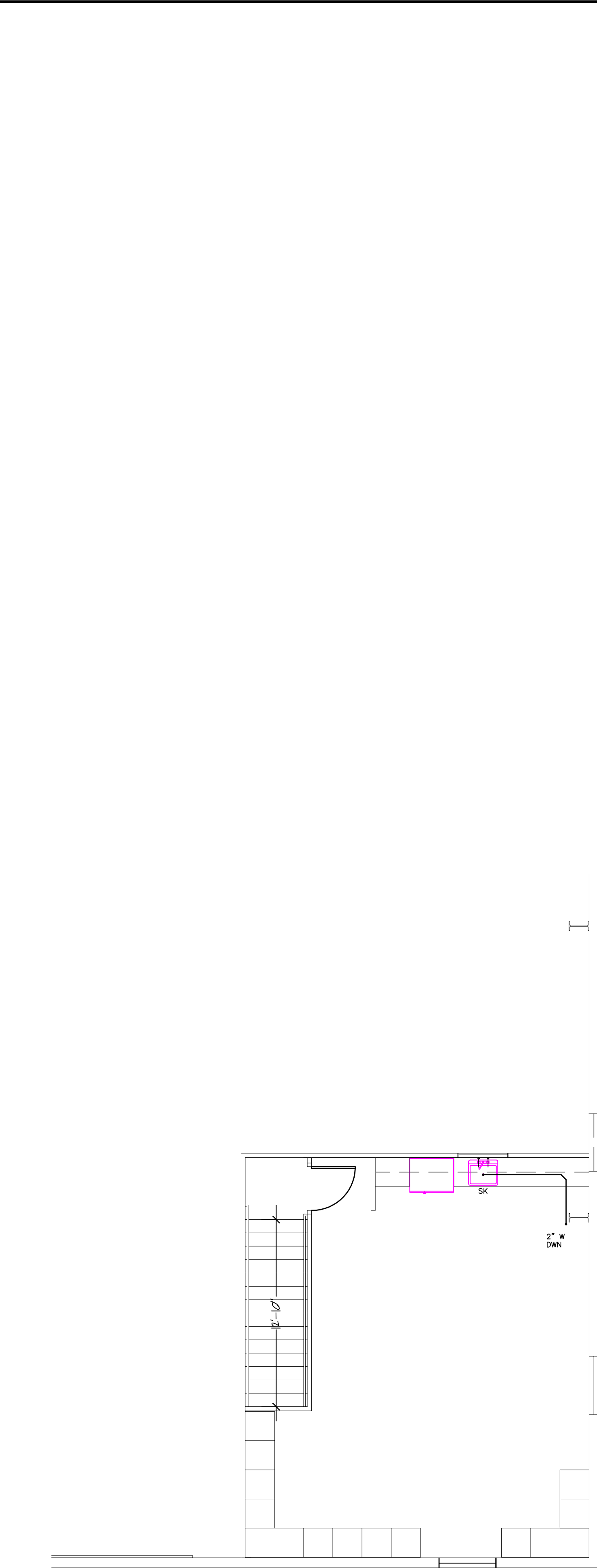
JAMES STEGMAIER, P.E.
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STEAMBOAT SPRINGS, CO
80477
970-870-9229
yvengr@yvengr.com

COUNTY METAL BUILDING
 24500 COUNTY ROAD 27
 OAK CREEK, COLORADO

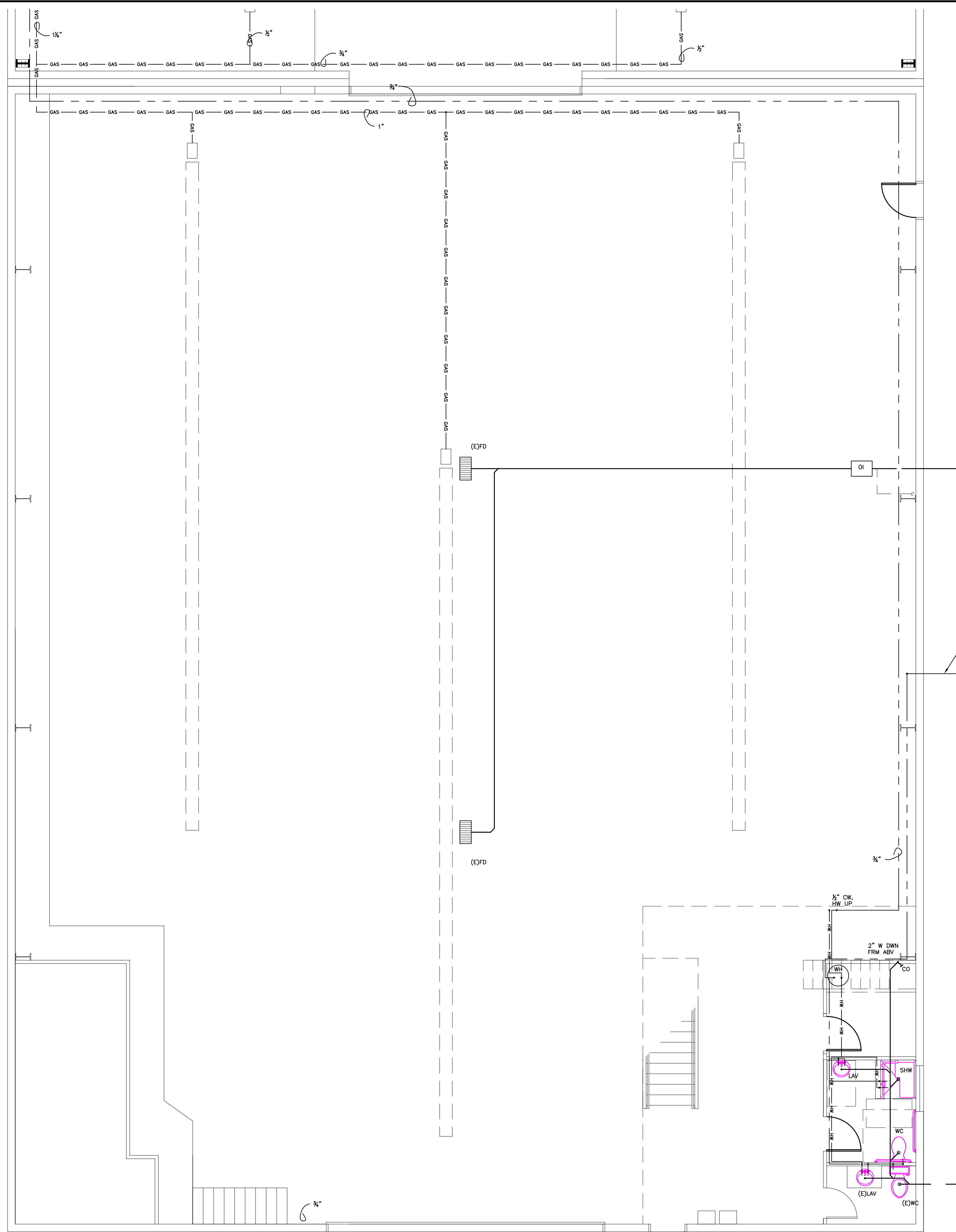
JOB NO: 16-024
DRAWN: JAS
DATE: 6-3-16

REVISIONS		
NO.	DATE	DRAWN

SHEET NUMBER
M-3



⊕ UPPER LEVEL PLUMBING PLAN
SCALE: 3/16" = 1'-0"



⊕ MAIN LEVEL PLUMBING PLAN
SCALE: 3/16" = 1'-0"

R C R B D
RECORD SET

PLUMBING LEGEND

—	NEW WASTE PIPING
- - -	EXISTING WASTE PIPING
- - -	VENT PIPING
- - -	DOM COLD WATER PIPING
— HW —	DOM HOT WATER PIPING
— GAS —	LP GAS PIPING
4"	DRAIN/VENT SIZES
(E)	EXISTING
CO	DRAIN CLEAN-OUT
LAV	LAVATORY
WC	WATER CLOSET
SHW	SHOWER
HB	HOSE BIB
SK	SINK
WH	WATER HEATER
OI	SAND OIL INTERCEPTOR
VTR	VENT TO ROOF
⊕	THERMO-STAT

YVE,
YAMPA VALLEY ENGINEERING, INC.

STRUCTURAL
MECHANICAL
ENGINEERING
DESIGN
DRAFTING
SERVICES

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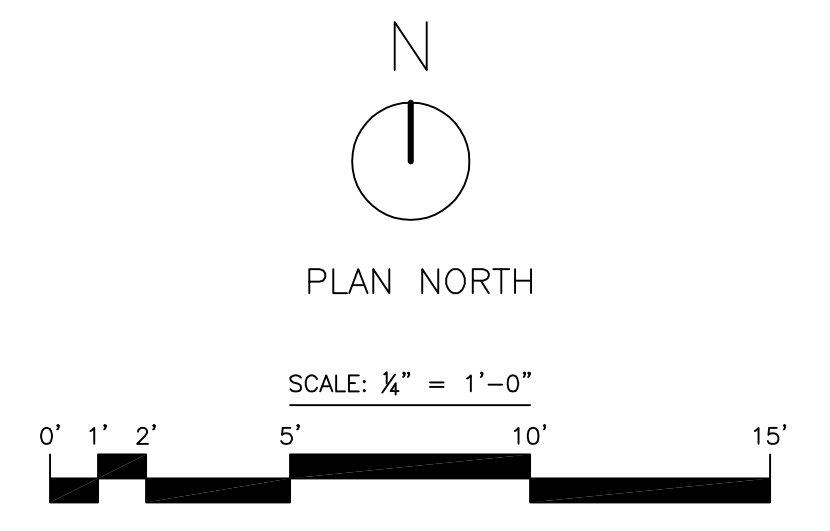
PLANS FOR:

COUNTY METAL BUILDING
24500 COUNTY ROAD 27
OAK CREEK, COLORADO

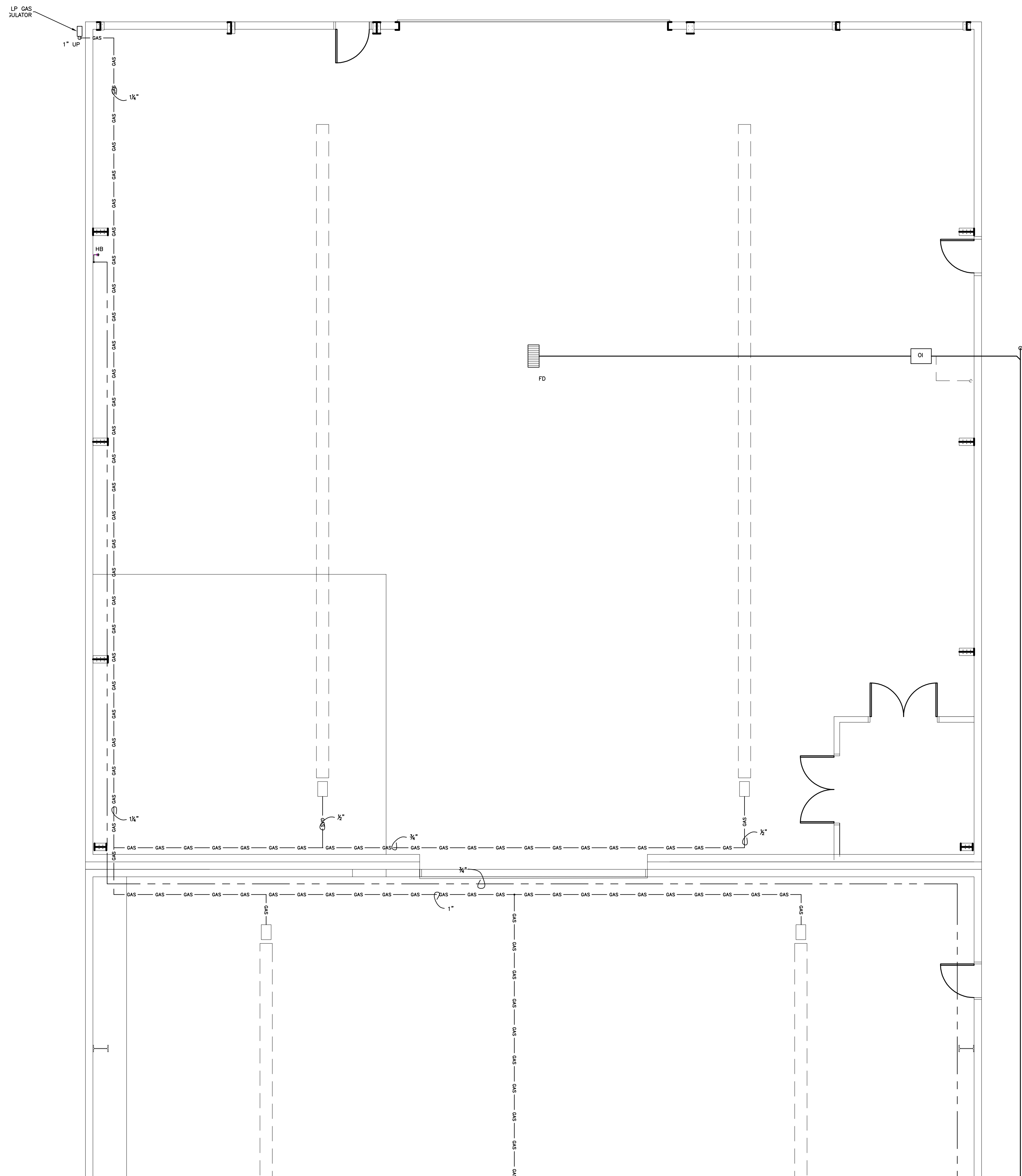
JOB NO: 16-024
DRAWN: JAS
DATE: 6-3-16

REVISIONS		
NO.	DATE	DRAWN

SHEET NUMBER
P-1



**R C R B D
RECORD SET**



PLUMBING LEGEND

—————	NEW WASTE PIPING
- - - - -	EXISTING WASTE PIPING
— — — — —	VENT PIPING
- - - - -	DOM COLD WATER PIPING
— — — — —	DOM HOT WATER PIPING
— GAS — GAS —	LP GAS PIPING
⌋	4" DRAIN/VENT SIZES
(E)	EXISTING
CO	DRAIN CLEAN-OUT
LAV	LAVATORY
WC	WATER CLOSET
SHW	SHOWER
HB	HOSE BIB
SK	SINK
WH	WATER HEATER
OI	SAND OIL INTERCEPTOR
VTR	VENT TO ROOF
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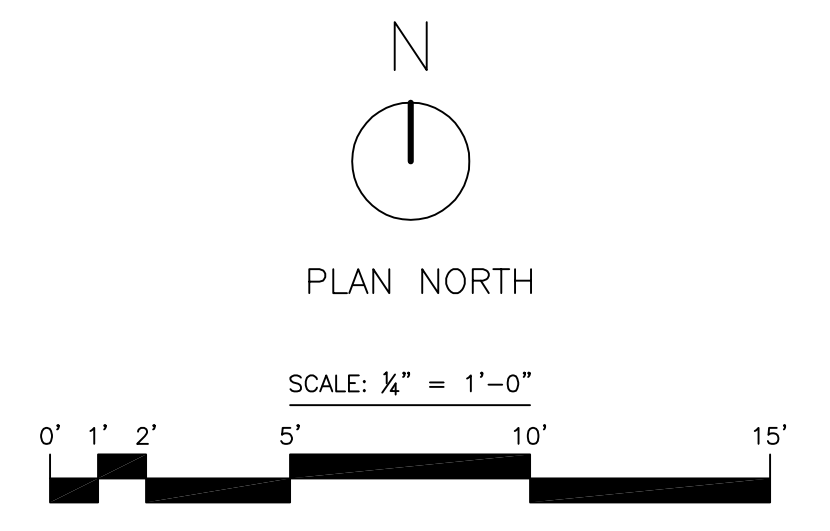
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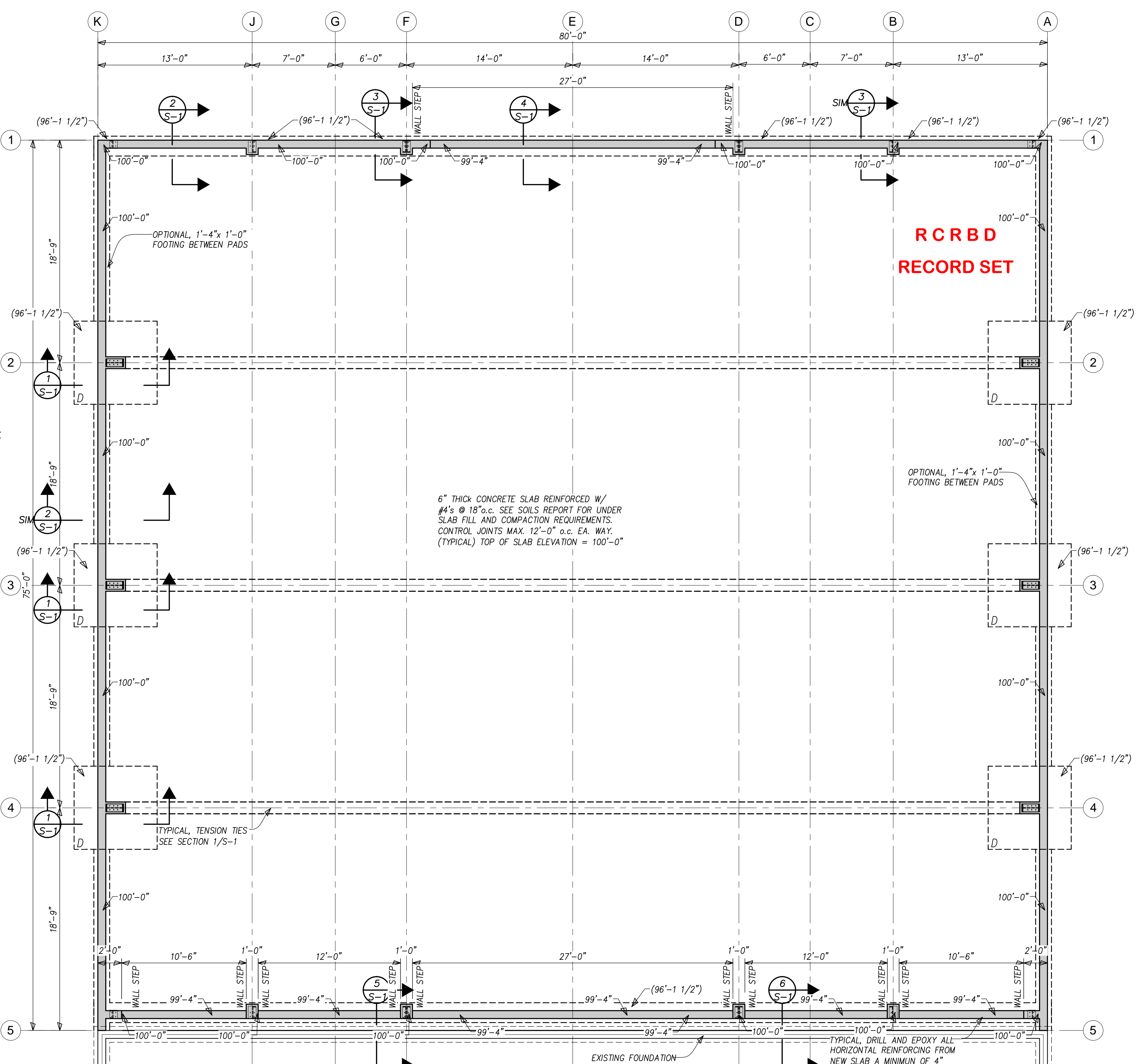
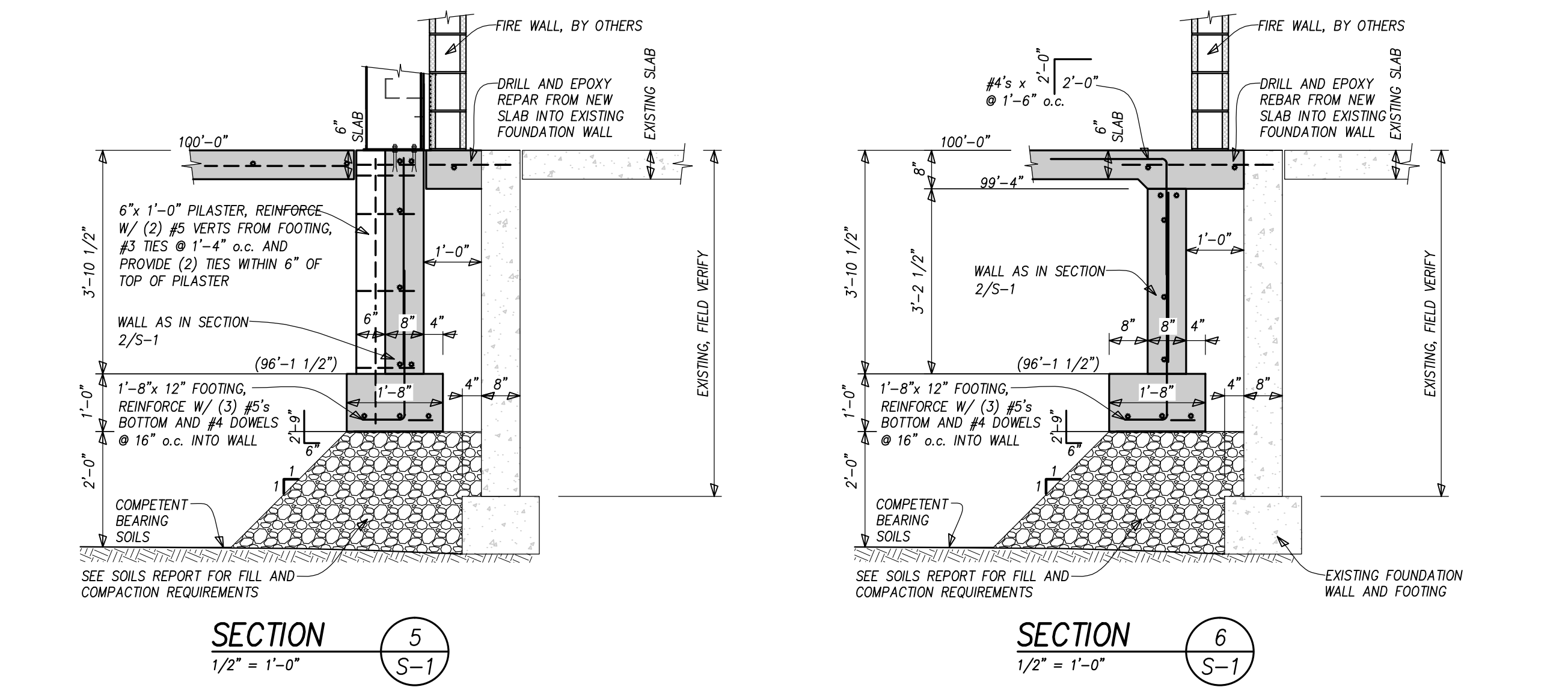
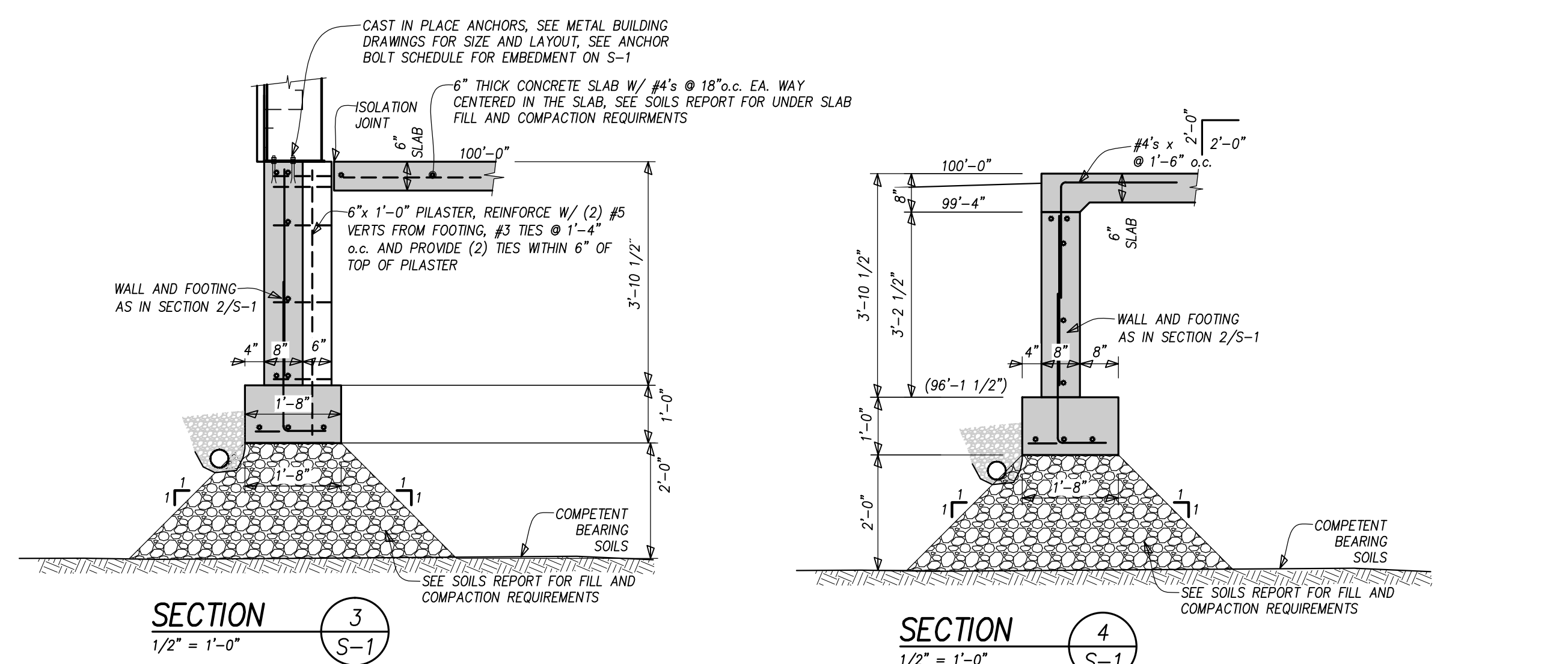
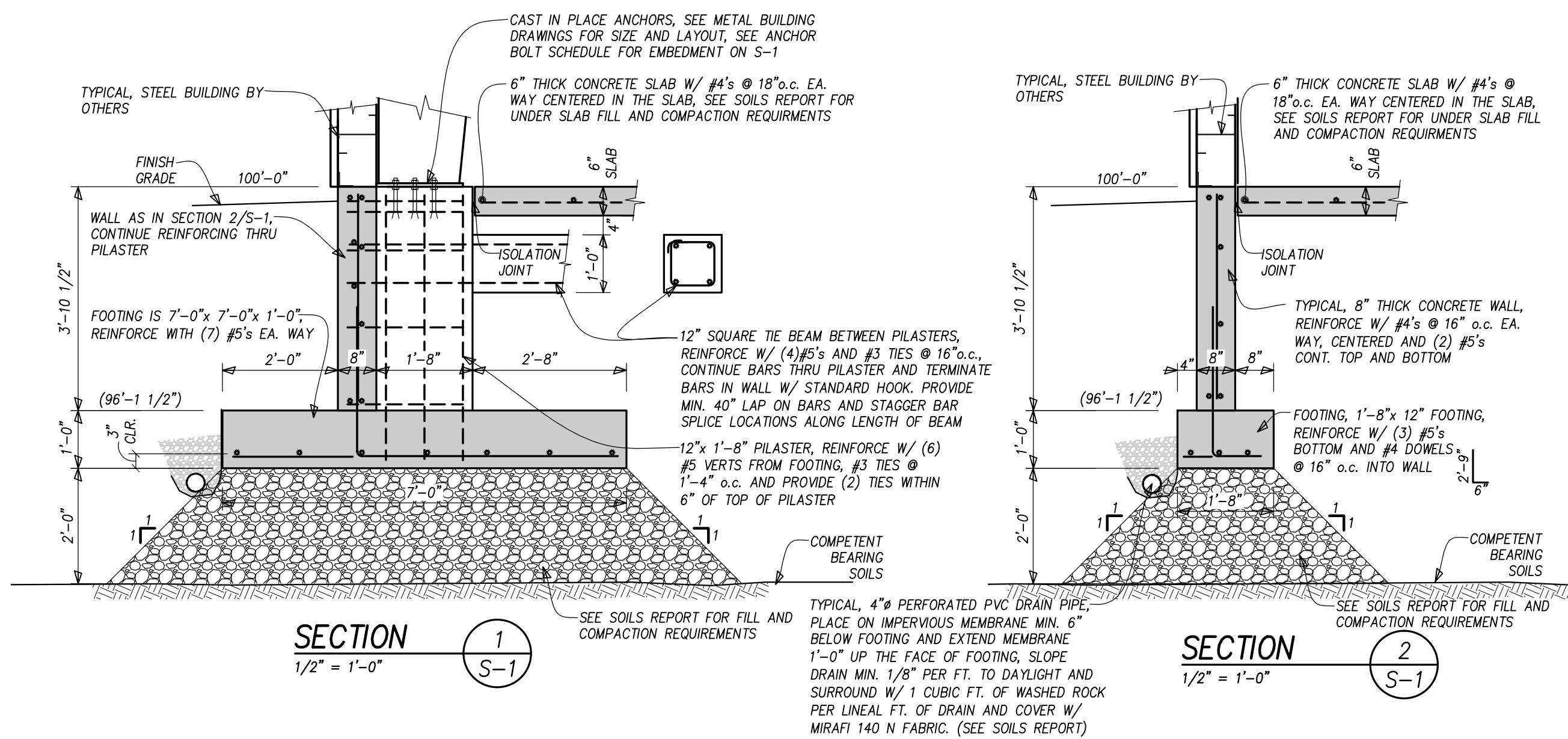
REVISIONS

NO.	DATE	DRAWN

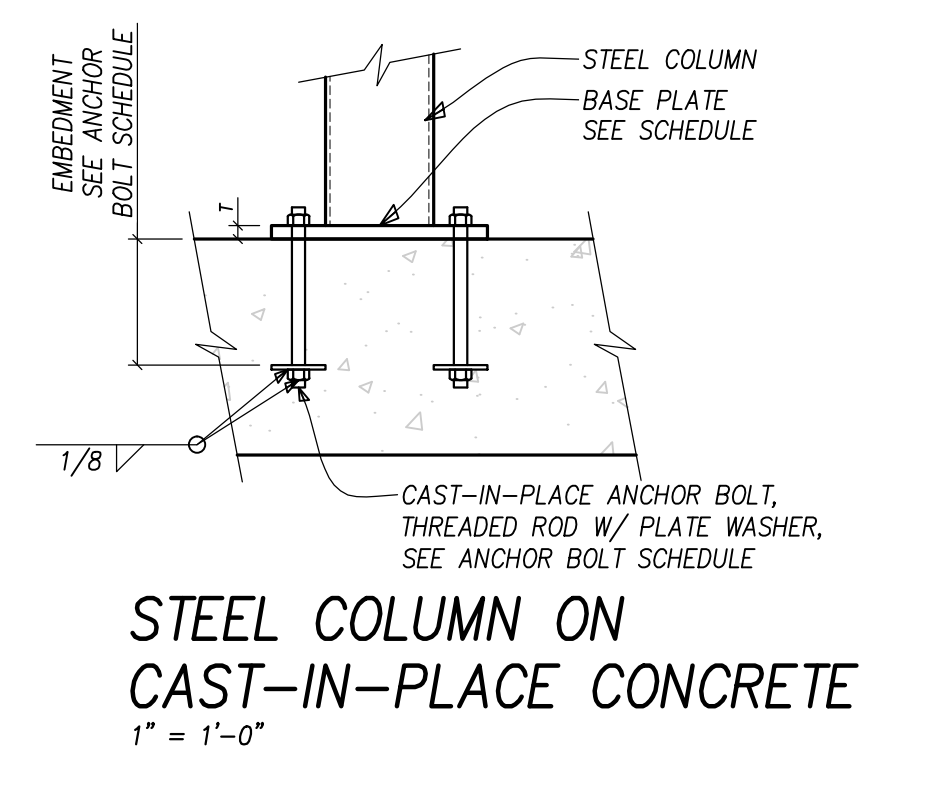
SHEET NUMBER

P-2





ANCHOR ROD Ø	MINIMUM PLATE WASHER SIZE	MINIMUM EMBEDMENT
1/2"	2"x2"x1/4"	6"
3/4"	2 1/2"x2 1/2"x3/8"	12"
1"	3 1/2"x3 1/2"x1/2"	16"



R C R B D
RECORD SET

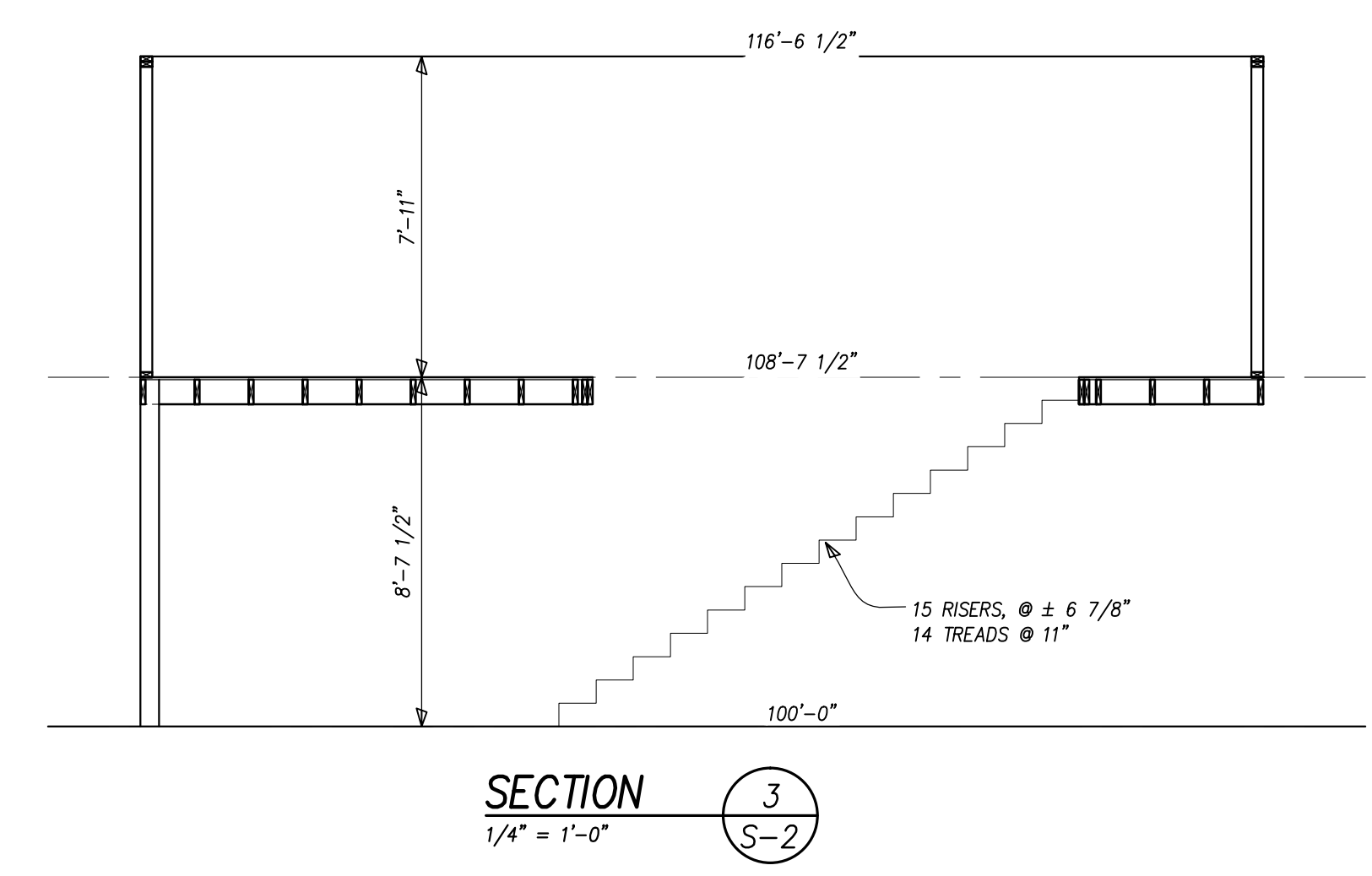
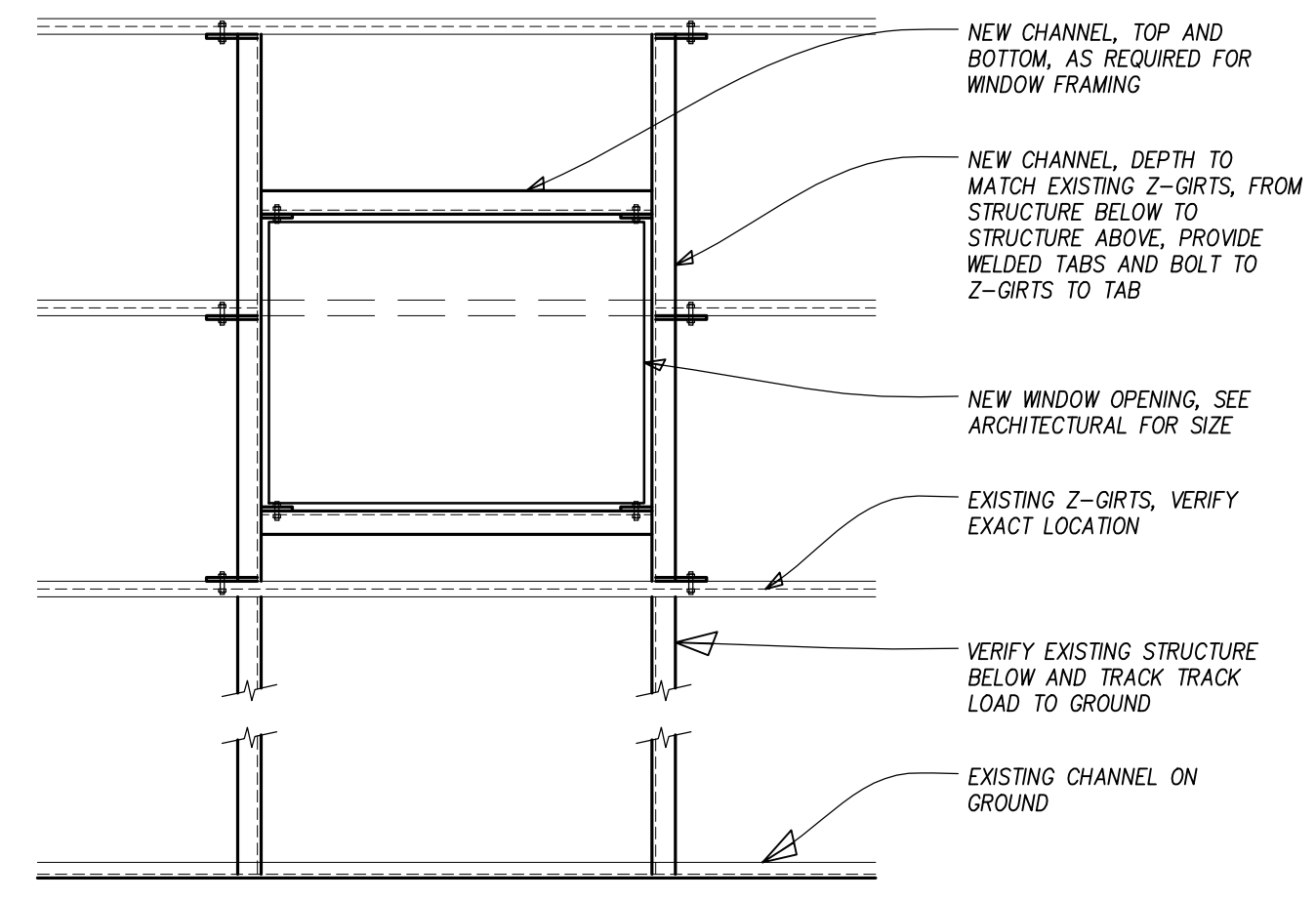
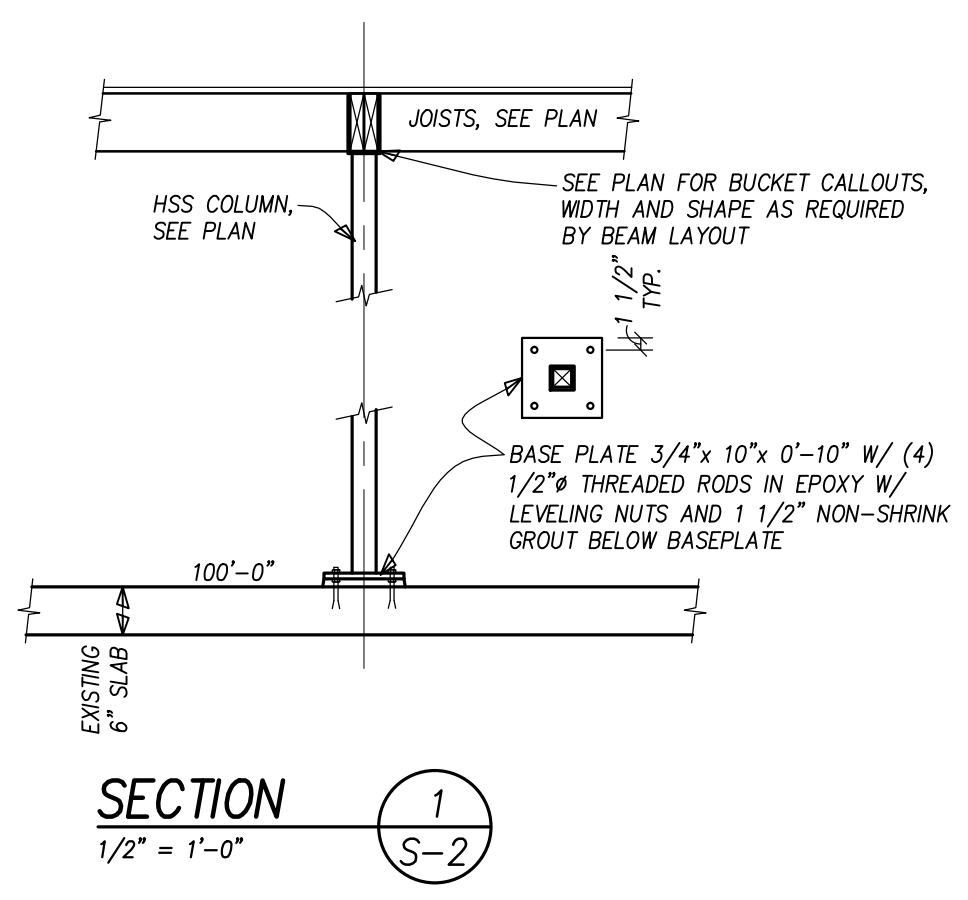
DATE	REVISIONS
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16-022 <td></td>	
SSF <td></td>	
BFS <td></td>	
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1/4" = 1'-0" <td></td>	

ROUTT COUNTY ROAD AND BRIDGE SHOP
FOUNDATION PLAN
OAK CREEK SHOP REMODEL
2300 COUNTY ROAD SHOP
SBS, COLORADO 80477

DATE	REVISIONS

ROUTT COUNTY ROAD AND BRIDGE SHOP
FRAMING MEZZANINE PLAN
OAK CREEK SHOP REMODEL
2300 COUNTY ROAD SHOP
SBS, COLORADO 80477

RCRBD
RECORD SET



GENERAL NOTES

DESIGN LIVE LOADS

- a. Pre-Manufactured Metal Building..... See Olympia Steel Buildings Proj. #U1600196A
- d. Floors..... 125 psf

FOUNDATION DESIGN

- a. Design of individual and continuous footings is based on a maximum allowable bearing pressure of 1500 psf dead load plus live load and 500 psf min. dead load placed on the natural undisturbed soils below frost depth as described in soils report.
- b. Soils report 16-1031 by Northwest Colorado Consultants, Inc.

REINFORCED CONCRETE

- a. Structural concrete shall have a minimum 28 day compressive strength of 3000 psi Type I.
- b. Reinforcing bars shall conform to ASTM Specification A615-79 and shall be Grade 60.
- c. At splices, lap bars 38 diameters. At corners and intersections, make horizontal bars continuous or provide matching corner bars. Around openings in walls and slabs, provide 2-#5, extending 2'-0" beyond edge of opening.

EPOXY ADHESIVE ANCHORING SYSTEM

- a. Epoxy adhesive anchoring system shall be Hilti HIT-RE 500 or approved equal.
- b. Anchor rods shall be furnished with chamfered ends so that either end will accept a nut and washer and meet the requirements of ISO 898 Class 5.8.
- c. Anchors shall have the following minimum embedments: 3/4"Ø - 6 3/4", 5/8"Ø - 5 5/8", 1/2"Ø - 4 1/2".

STRUCTURAL ERECTION AND BRACING REQUIREMENTS

- a. The structural drawings illustrate the completed structure with all elements in their final positions, properly supported and braced.
- b. The Contractor, in the proper sequence, shall provide proper shoring and bracing as may be required during construction to achieve the final completed structure.

SPECIAL INSPECTIONS

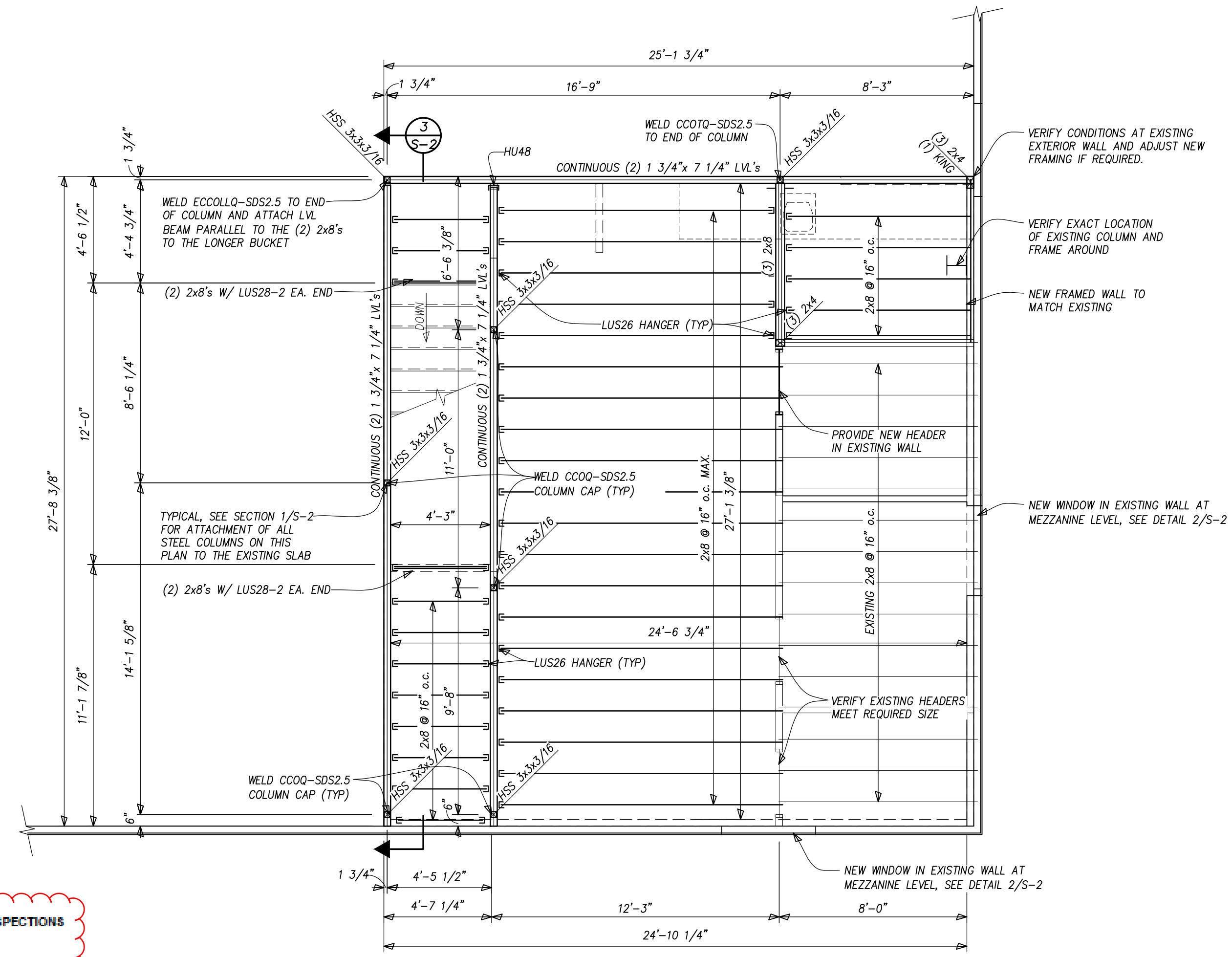
- a. All special inspections shall comply with chapter 17 of the International Building Code (IBC). These inspections are in addition to the inspections specified in Section 109 of the IBC.
- b. The Special Inspector and testing agent shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work.
- c. The Special Inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the Building Official, for inspection of the particular type of construction or operation requiring special inspection.
- d. The credentials of all inspectors, administrators and testing technicians shall be provided if requested.
- e. The Special Inspector shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge.
- f. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge.
- g. The Special Inspection program does not relieve the Contractor of his or her responsibilities.
- h. A Final Report of Special Inspections documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.
- i. Job site safety and means and methods of construction are solely the responsibility of the Contractor.
- j. The Special Inspection program does not relieve the Contractor or any other entity of any contractual duties, including quality control, quality assurance, or safety.
- k. The Contractor is solely responsible for construction means, methods, and job site safety. Special inspection is required for the off site fabrication of structural steel load-bearing members and assemblies unless the work is done on the premises of a fabricator registered and approved to perform such work without special inspection.
- m. In addition to special inspections required by chapter 17 of the IBC and those required by the Building Official the following site specific inspections are required:
 - 1. Installation and tightening of high strength bolts.

NOTE THAT THIS IS WHAT CODE REQUIREMENTS THAT SHALL BE MET SAYS FOR SOIL. SEE SIMILAR REQUIREMENTS FOR INSPECTION OF STEEL CONSTRUCTION.

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

TABLE 1704.7
REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	-	X
2. Verify excavations are extended to proper depth and have reached proper material.	-	X
3. Perform classification and testing of compacted fill materials.	-	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	-
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	-	X



MEZZANINE FRAMING PLAN

Scale: 1/4" = 1'-0"
NORTH
TYPICAL AT FLOOR, 3/4" APA RATED, EXPOSURE 1, SHEATHING TOP OF SHEATHING ELEVATION TO MATCH EXISTING
EXTERIOR WALLS ARE OF AN EXISTING METAL BUILDING. VERIFY EXACT DIMENSIONS AND FRAMING AT TIME OF CONSTRUCTION.
FRAMED INTERIOR BEARING WALLS ARE TO BE 2x4 @ 16" o.c. W/ 7/16" APA RATED SHEATHING TO MATCH EXISTING
TYPICAL HEADER THIS PLAN, (2) 2x6's W/ (1) 2x4 TRIMMER AND (1) 2x4 KING STUD EACH END UNLESS NOTED OTHERWISE
TYPICAL ALL BEAMS TO BE FLUSH FRAMED TO MATCH EXISTING SHEATHING ELEVATION
SIZE INDICATES SIZE OF COLUMN BELOW BEAM AT INDICATED LOCATION