

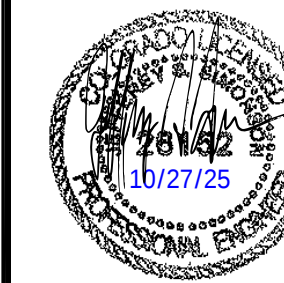


- Roof/Deck Snow LL = 40 psf
 - Ground Snow Load = 47 psf
 - Wind pressure based on 120 mph, 3 sec gust, Exposure C
 - Seismic Design Category C
 - Note that the loadings for columns are based upon the reactions provided by Trachte Building
- Systems Foundation Plan and Details dated 9/9/2025 as follows:

2. The foundation design was prepared in accordance with the geotechnical report by Geo Quest Engineering, job number 25-134. Footings were designed for an allowable bearing pressure of 1500 psf and an equivalent fluid pressure of 50 pcf. Minimum footing widths = 16" for continuous footings and 24" for isolated pads. Footings shall bear on prepared soils a minimum of 36" below adjacent finished grade. From the Geo Quest report, "Due to a potential variation in soil consistencies, the recommendation of a minimum of 24 inches of the soil at the foundation bearing level remain moist and well conditioned and closed back with proper compaction controls as described in section 7 Earthwork of their report." Subsurface drainage, excavation, backfilling, surface drainage, and compaction shall be done in accordance with the recommendations in the report. A representative of the soils engineer shall verify soil conditions and allowable soil bearing pressures at the time of excavation.

-

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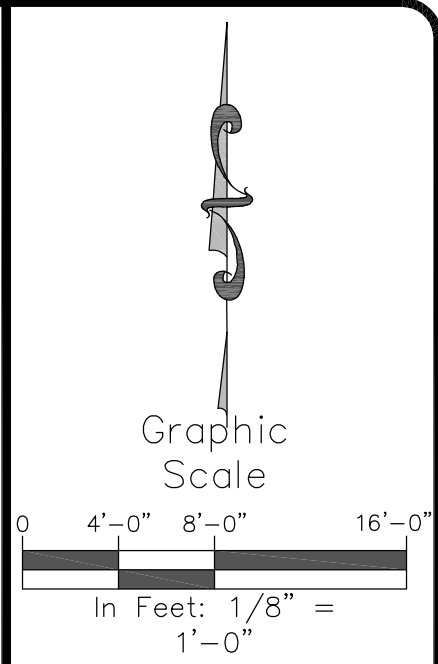
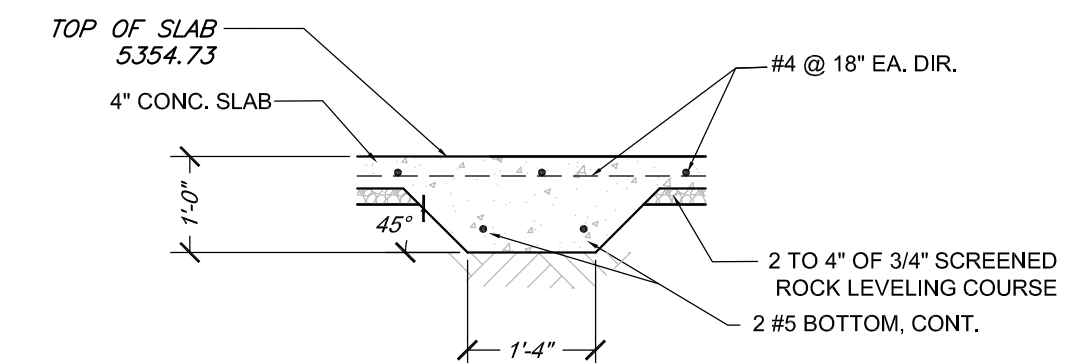
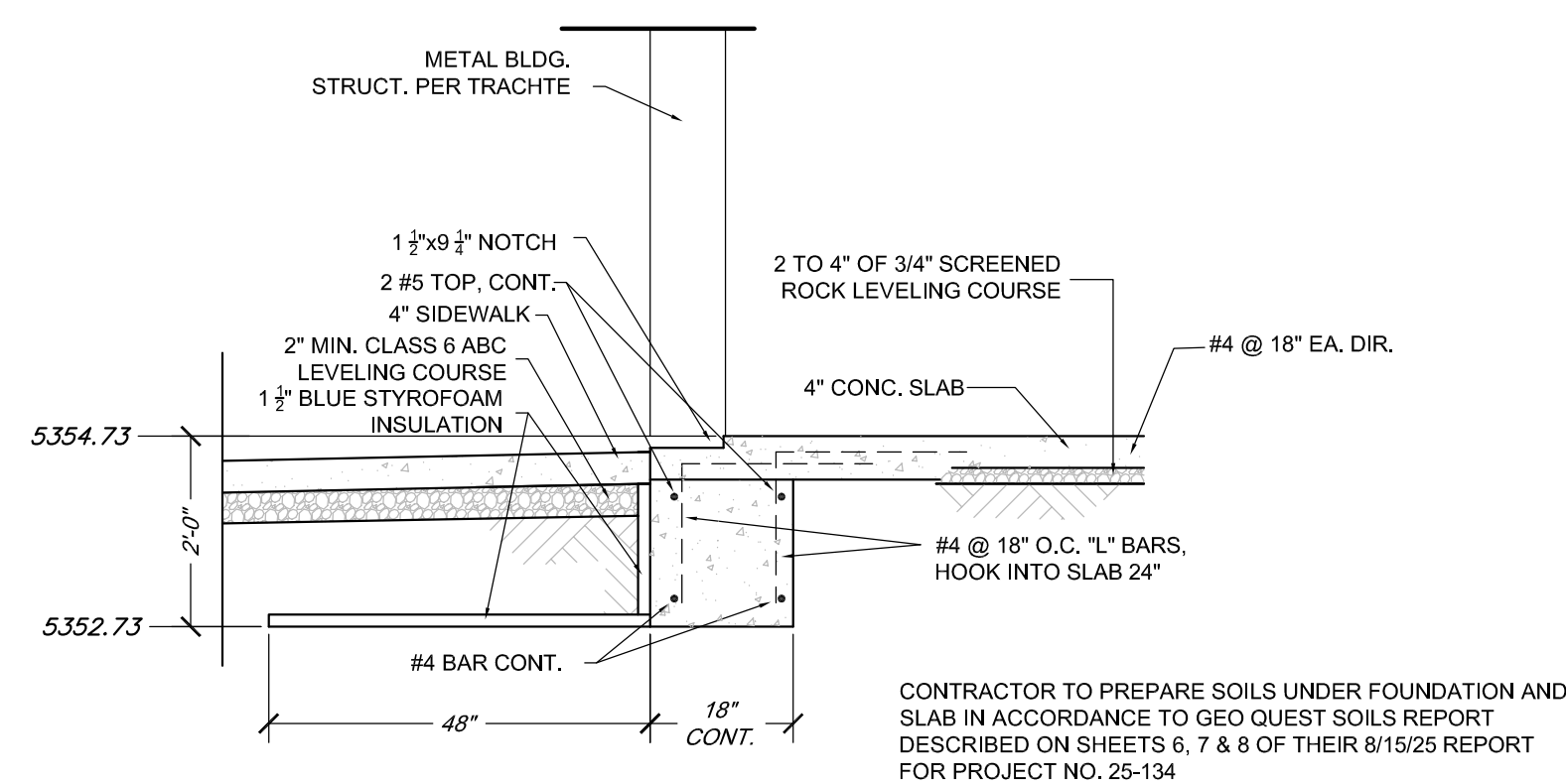
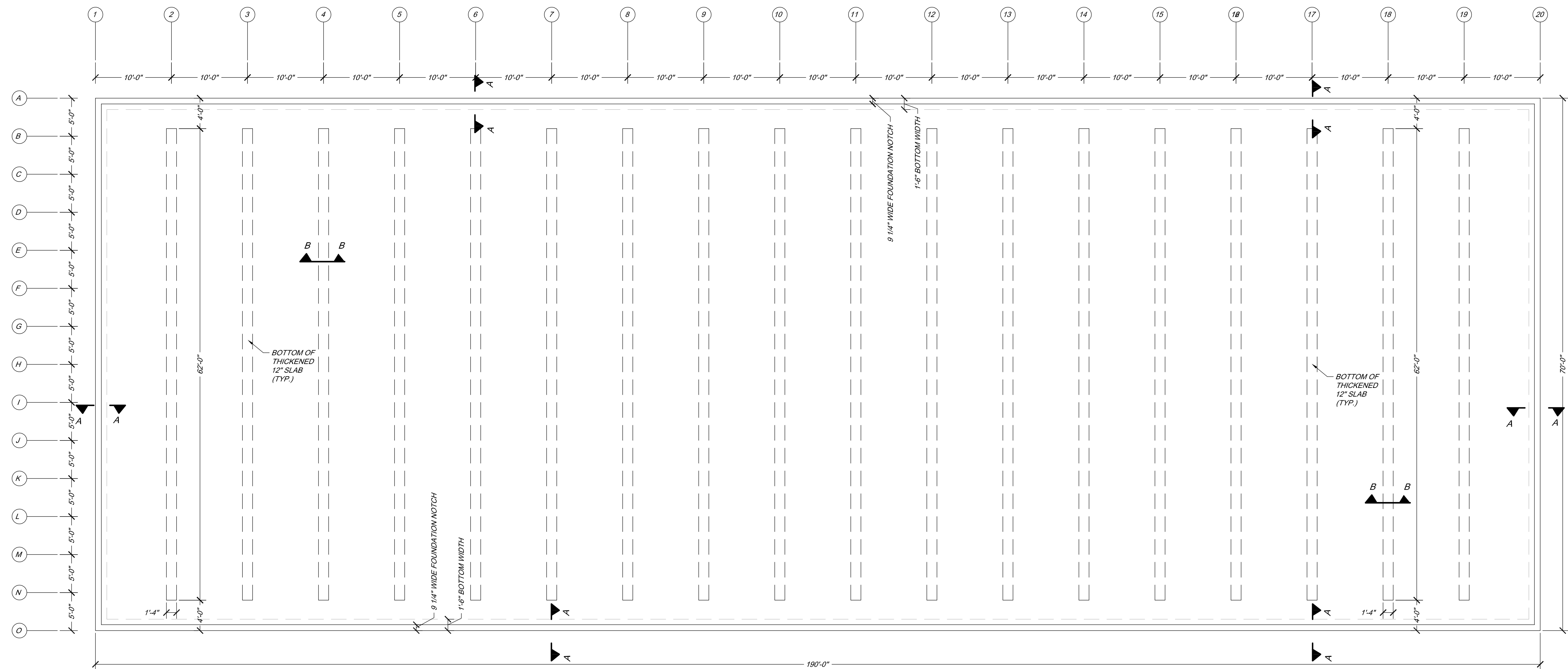
Caliber Co.
Right Move Storage

Job No.	2025-401.00
Drawn by:	JS
Date:	9/25/22
QC:	JS
File:	2025-401B
Revision	
Date	
By:	

Project Milestone: Preliminary Not For Construction

Footing Pl

S1



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Right Move Storage
Rifle, CO

[illegible]

Project Milestone: Preliminary Not For Construction

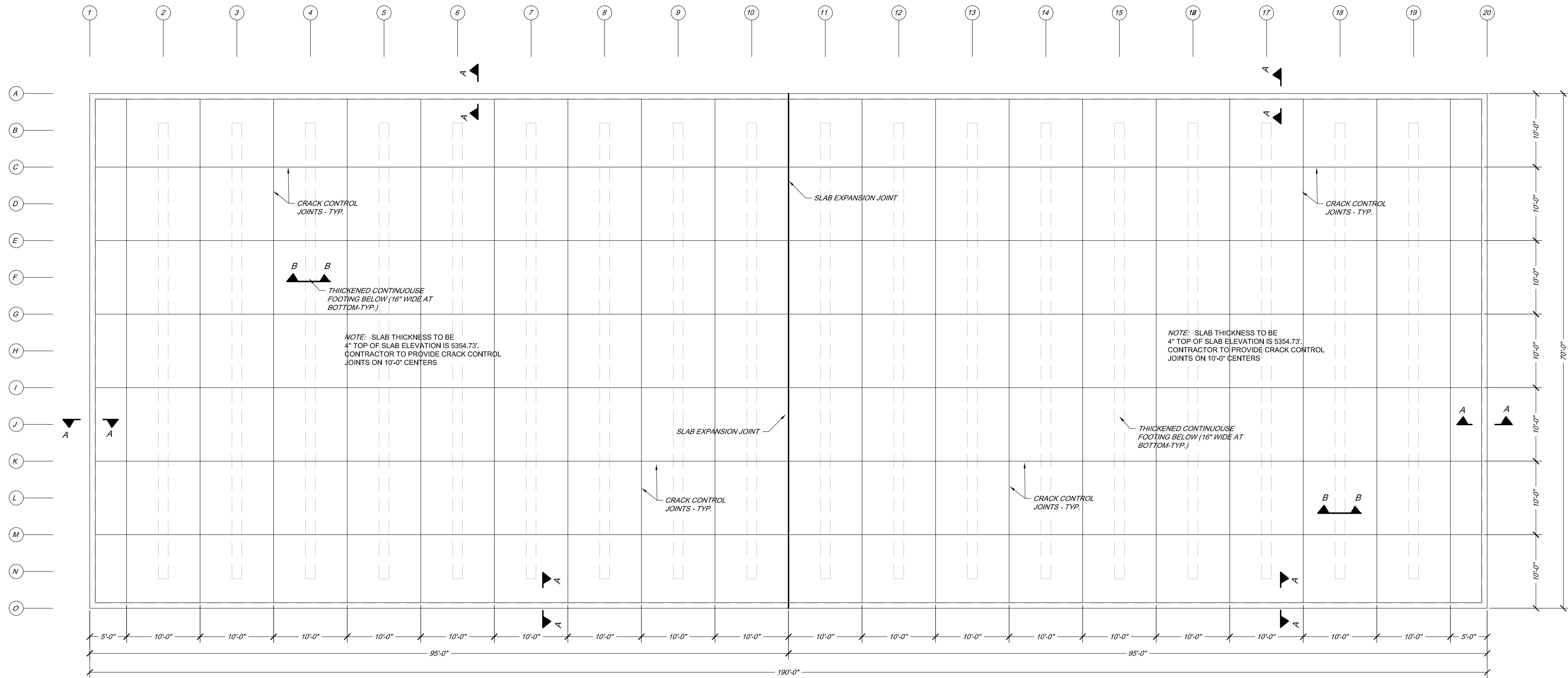
Job No.	2025-401.001
Drawn by:	JSS
Date:	9/26/25
QC:	PE: JSS
File:	2025-401BM

Stem
Wall/Thickened
Slab Plan

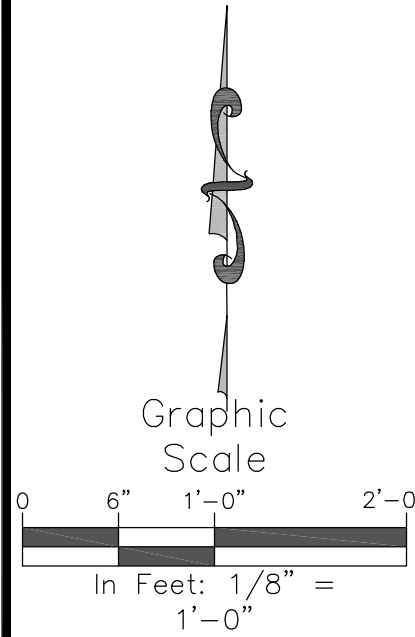
Dwg No. S2

Of: 3

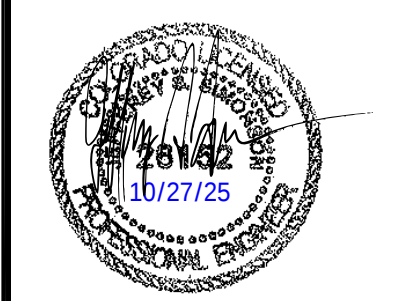
I:\2025\2025-401 Max Storage\001 Caliber Co Right Move Storage\2025-401BM.dwg Plotted: 10/14/2025 4:31 PM By: Jeff Simmons



SLAB LAYOUT PLAN



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#	Revision	Date	By:
1			
2			
3			
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6			
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Job No. 2025-401.001
Drawn by: JSS
Date: 9/26/25
QC: JSS
PE: JSS
File: 2025-401BM

Project Milestone: Preliminary Not For Construction

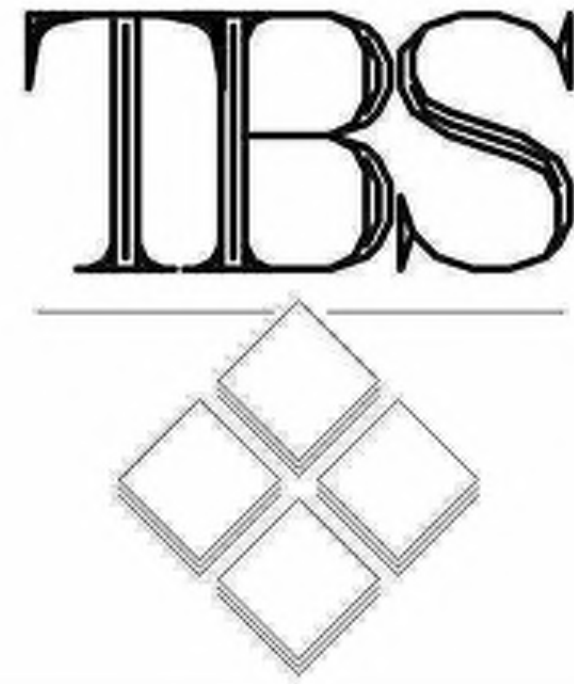
Slab Layout and
Control Joints
Plan

S3

Of: 3

TRACHTE BUILDING SYSTEMS, INC.

PERMIT SET FOR STORAGE BUILDING 1



Fastener Chart

	FASTENER	PART #
A	3/8-16 X 0.75 HEX HEAD BOLT	760110
B	3/8-16 HEX NUT	760300
C	1/8DIAx3/16GRP RIVT COLORED	7620XX
D	#12-14 x 0.75" HEX HEAD SCREW	760600
E	#12-14 x 0.75" HEX HEAD SCREW COLORED	760XXX
F	#12-14 x 1.25" HEX HEAD SCREW	710969
G	#12-14 x 1.25" HEX HEAD SCREW COLORED	104XXX
H	#12-14 X 2.5" HEX HEAD SCREW	760606
I	#12-14 X 3", T3 HEX HEAD SCREW	760612
J	#12-14 X 3", T3 HEX HEAD SCREW COLORED	760XXX
K	1/4 X 1.25" TAPCON SCREW	502840
L	#14-14 x 0.875" ZAC SCREW	710979
M	#14-14 x 0.875" ZAC SCREW COLORED	104XXX
N	#12-14 X 1.25" ZAC SCREW	710977
O	#12-14 X 1.25" ZAC SCREW COLORED	104XXX
P	#12-24 x 1.25" T4.5 HEX HEAD SCREW	760602
Q	1/4-14 X 1" PANCAKE HEAD SCREW	508864
R	#8-18 X 0.5" HEX HEAD SCREW COLORED	508674
S	#8-18 X 0.75" WAFER HEAD SCREW	760628
T	5/16", 1.5"OD FLAT WASHER	766000
U	3/8 X 2.5 CONCRETE SCREW	5055008490
V	1/2 X 2.5 CONCRETE SCREW	5055008690
W	#12-14 x 2" HEX HEAD SCREW	760601
X	3/8-16 X 1" HEX HEAD BOLT	760100
Y	#8-18 X 0.75" HEX HEAD SCREW	511122
Z	#8-18 X 0.75" HEX HEAD SCREW COLORED	511123
AA	3/8-16 X 1.25" HEX HEAD BOLT	760109
AB	5/8-11 HEX NUT	390003
AC	5/8-11 X 1.5" HEX HEAD BOLT	390001
AD	5/8-11 X 1.75" HEX HEAD BOLT	390007
AE	5/8-11 X 2" HEX HEAD BOLT	390002
AF	1/8DIAx1/4 RIVT COLORED	7620XX
AG	#12-14 X 2.5" ZAC SCREW	104166
AH	#12-14 X 2.5" ZAC SCREW COLORED	104XXX
AI	#10 X 1.25" PHILLIPS FLAT HEAD SCREW	710973
AJ	#10 X 2" PHILLIPS FLAT HEAD SCREW	369011
AK	1/4 X 1 ZAMAC HAMMER ANCHOR SCREW	104168
AL	1/2 X 3" CONCRETE SCREW	5055007290

Abbreviations

Terms	Terms	Colors
BEW Blank Endwall	NTS. Not To Scale	ASGY Ash Gray
BSW Blank Sidewall	O.C. On Center	BWHT Bright White
BLDG. Building	OPP. Opposite	CDRD Cedar Red
CNR Corner	PART Partition	CLBG Classic Beige
COL Column	PT Partition	CRMB Cream Beige
CTR. Center	PSF Pounds Per Sq. Foot	CONB Confl. Brown
DIA. Diameter	PTD. Painted	DTAN Desert Tan
DBL. Double	QTY. Quantity	EVGN Evergreen
EPDM Ethylene-Propylene-Diene-Monomer	REQ'D. Required	GARN Garnet
EW Endwall	R.O. Rough Opening	IWHT Iced White
EXT Exterior	S.D. Self Drilling	ORAN Sunset Orange
F.O. Finished Opening	STR. Starter	PLBL Polar Blue
F.M. Field Modify	TYP. Typical	ROYB Royal Blue
GA. Gauge	WWF Welded Wire Fabric	SGRY Slate Gray
GALV. Galvanized		
GALVM. Galvalume		
I.D. Inside Diameter		
INT Interior		
MISC. Miscellaneous		
MPH Miles Per Hour		
NOM. Nominal		

General Notes

Structural Fasteners

Trachte structural bolts are SAE J429-Grade-2 or ASTM A307A unless specifically noted. These are typically Trachte Part No's 760110 & 764200. All bolt holes shall be aligned to permit insertion of bolts without undue damage to threads. Bolts shall be placed in all holes and nuts threaded to complete assembly. Compacting joint to snug-fit condition shall progress systematically from most rigid part of joint. Snug-tightened condition is tightness obtained with a few impacts of impact wrench or full effort of Ironworker using ordinary spud wrench to bring connected piles into firm contact.

Specification for Structural Joints Using High Strength Bolts, December 31, 2009

Self Drilling Fasteners

Use self-drilling screws in the locations, quantities, and methods shown or noted on these drawings. Self-Drilling Fasteners should be used in accordance with SAE J78 specifications for Self-Drilling Screws.

WARNING: When installing Self-Drilling screws, take care to minimize exposed screwpoint hazard, by locating screws next to panel bends and near recessed corners of angles.

Structural Bracing

All structural bracing is an integral part of the structural system and should be installed where noted or shown on the Floor Plans & Roof Framing Plans all connections should be consistent with all details related to installation of bracing components. Removal or alteration of bracing without prior authorization is prohibited.

Temporary Bracing

Temporary supports or bracing required to erect the building is the responsibility of the erector to determine, furnish, install and remove.

Permits

It is the responsibility of the Building Owner/ Contractor/ Erector to obtain all appropriate approvals and necessary permits from City, County, State, or other agencies as required.

Structural Lines

Structural lines are referenced often throughout our drawing details. These relate to the chalk lines that are to be laid out on the foundation. The lines should always be laid out taking into consideration the inherent imperfections commonly associated with foundations. The edge of a foundation is seldom straight enough to use as a base for dimensioning. It is recommended to begin your layout at 10'-1" from the sidewall edge (refer to "Locating The First Line" in the Trachte Erection Manual). All other lines should be placed accurately from the first line.

By Others

The design, detailing, and materials for items designated as "By Others" are not the responsibility of Trachte Building Systems, Inc.

Field Cutting and Drilling

Field cutting and drilling of some parts will be required.

Code Summary

CODE	2015 INTERNATIONAL BUILDING CODE
CONSTRUCTION TYPE	TYPE II B
USE GROUP	MODERATE HAZARD STORAGE, S-1
COLLATERAL LOADS	
HVAC DUCTWORK	5 PSF
SPRINKLER SYSTEM	0 PSF
ROOF TOP SOLAR	0 PSF
GROUND SNOW LOAD	47 PSF
SNOW EXPOSURE CATEGORY	C
SNOW IMPORTANCE FACTOR	1
BASIC WIND SPEED (Vult)	120 MPH
WIND VELOCITY (Vasd)	93 MPH
WIND EXPOSURE CATEGORY	C
RISK CATEGORY	II
SPECTRAL RESPONSE ACCELERATION (S)	
(S _s)	0.302
(S ₁)	0.079
(S _{DS})	0.314
(S _{D1})	0.126
SITE CLASS	D
SEISMIC DESIGN CATEGORY	B

Sheet Index

PAGE #	DESCRIPTION
A1.0	FLOOR PLAN & ELEVATIONS - 1
B1.0	ANCHOR BOLT PLAN & DETAILS
C1.0	INTERIOR WALL FRAMING DETAILS & ELEVATION
C2.0	END WALL FRAMING DETAILS
C2.1	END WALL FRAMING ELEVATION
C3.0	ROOF FRAMING PAGE
E1.0	SIDEWALL FRAMING DETAILS & ELEVATIONS
F1.0	INTERIOR PARTITION WALL DETAILS & ELEVATIONS
F1.1	INTERIOR PARTITION WALL ELEVATION
F2.0	EXTERIOR DETAILS
F2.1	EXTERIOR ELEVATIONS
H1.0	LONGITUDINAL CORRIDOR PAGE
H2.0	RIGID RIB PAGE
I1.0	WALL INSULATION PAGE

Symbols & Materials

	Revision Indicator
	Notation Reference
	Detail Identification/Reference
	Detail Identification
	Section Identification/Reference
	Part Number Identification
	Rise/Run Identification
	North Arrow
	Concrete
	Earth
	Insulation
	Down Spout

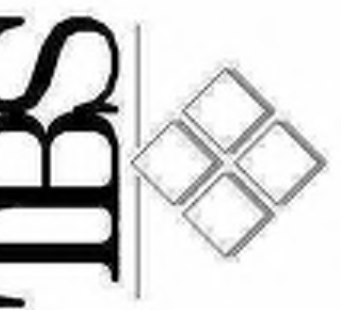
DOOR MANUALS



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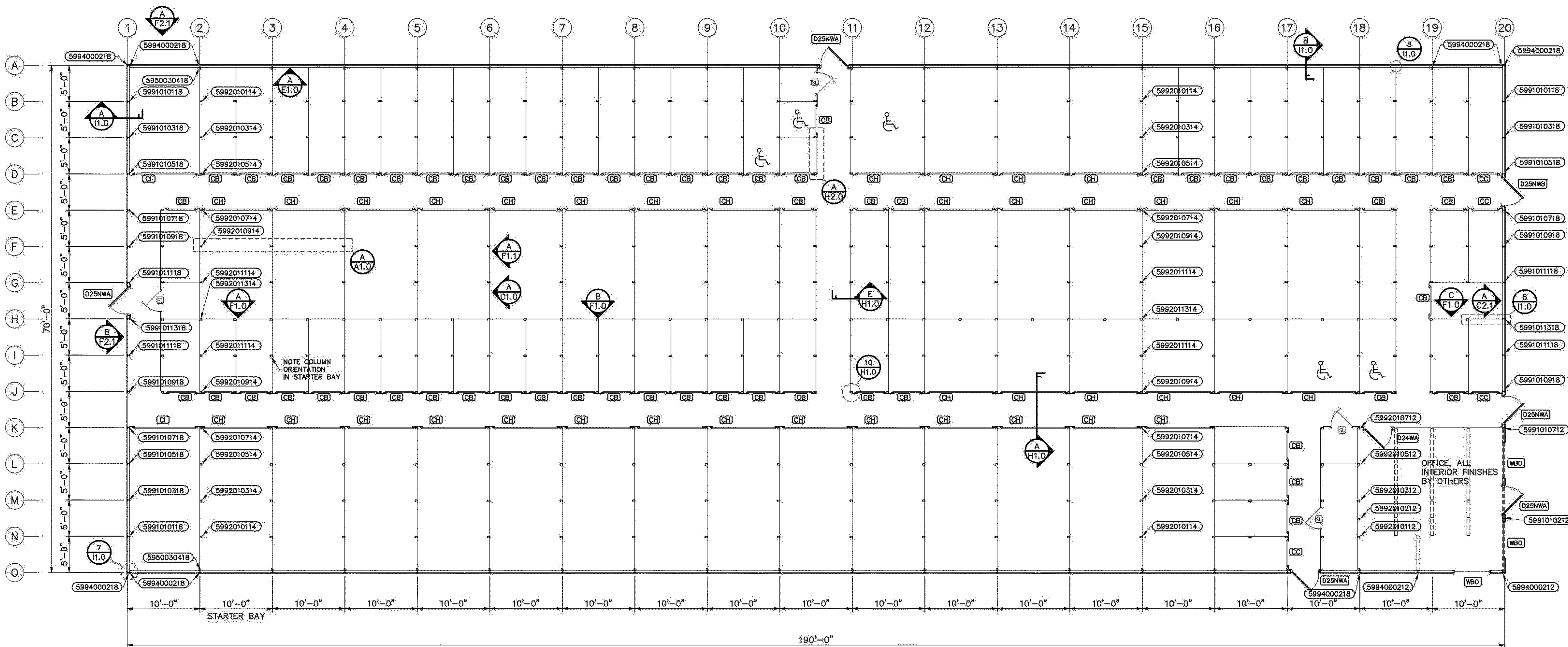
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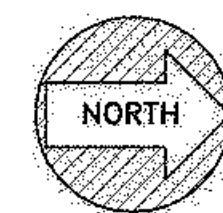
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AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO
Sheet Title
COVER PAGE

Date
9/26/25
Drawn by
JMN
Scale
N.T.S.
Plan No.
P61348
Order No.
Sheet No.

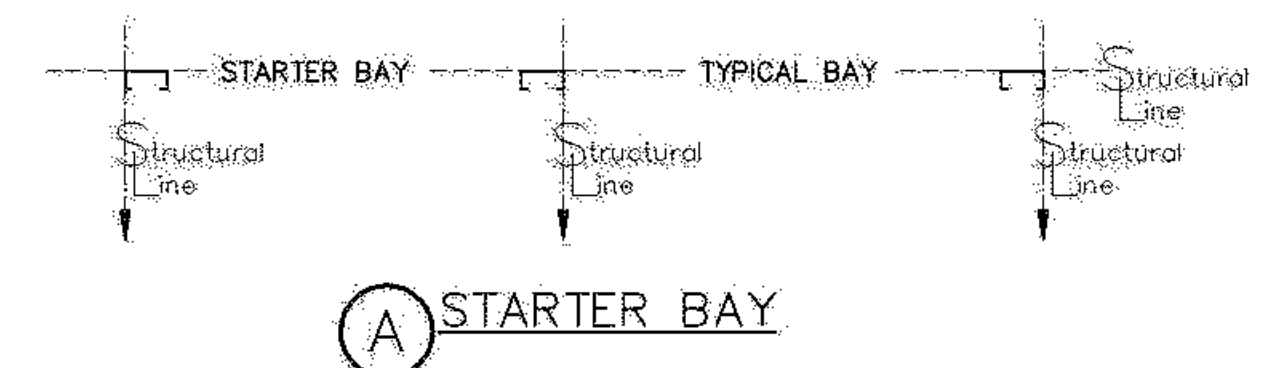
Cover



FLOOR PLAN FOR 9'-4" EAVE, 1/4:12 PITCH, STORAGE BUILDING 1



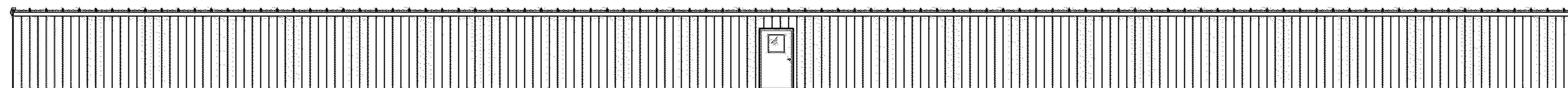
⦿ DENOTES HANDICAPPED/WHEELCHAIR ACCESSIBLE UNITS



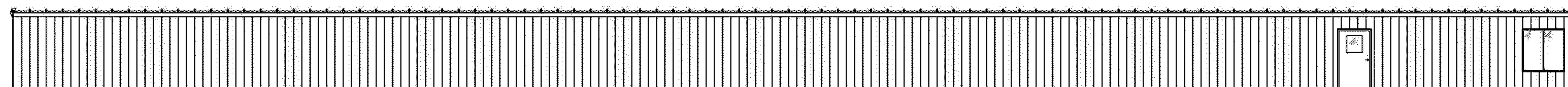
DOOR SCHEDULE							
QTY	CODE	TYPE	SIZE	ROUGH OPENING (REF.)	MANUF.	DESCRIPTION	COLOR
59	CB	ROLL-UP	3'-8" x 7'-0"	3'-8" x 7'-0"	TRAC-RITE/eq.	CORRIDOR ROLL-UP DOOR	COLOR ..
4	CC	ROLL-UP	3'-4" x 7'-0"	3'-4" x 7'-0"	TRAC-RITE/eq.	CORRIDOR ROLL-UP DOOR	COLOR ..
38	CH	ROLL-UP	8'-8" x 7'-0"	8'-8" x 7'-0"	TRAC-RITE/eq.	CORRIDOR ROLL-UP DOOR	COLOR ..
2	CI	ROLL-UP	8'-4" x 7'-0"	8'-4" x 7'-0"	TRAC-RITE/eq.	CORRIDOR ROLL-UP DOOR	COLOR ..
1	D24WA	SWING A	3'-8" x 6'-8"	4'-0" x 7'-0"	PDL/equiv	DOOR, LEVER/LEVER, 30x30 LITE, Classroom Func.	White
5	D25NWA	SWING A	3'-8" x 6'-8"	4'-0" x 7'-0"	PDL/equiv	DOOR, LEVER/PANIC, 30x30 LITE	White
1	D25NWB	SWING B	3'-8" x 6'-8"	4'-0" x 7'-0"	PDL/equiv	DOOR, LEVER/PANIC, 30x30 LITE	White
4	SL	SWING	3'-0" x 7'-0"	3'-0" x 7'-0"	TRACHTE	FLUSH PANEL LOUVERED SWING DOOR	BWHT ..
3	WBO	WINDOW	5'-0" x 5'-0"	3'-0" x 7'-0"	BY OTHERS	WINDOW BY OTHERS	TBD ..

ROLL-UP DOORS MEET ASTM E330
PDL DOORS - PRIMER COAT ONLY

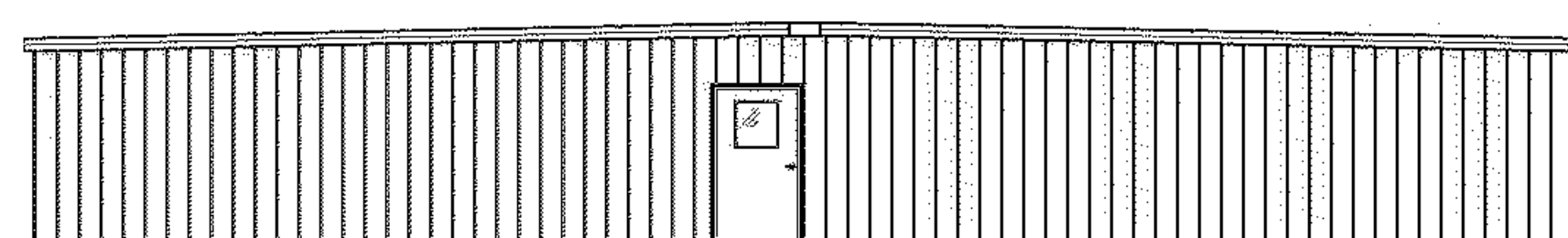
DO NOT ORDER DOORS BY OTHERS PRIOR TO RECEIVING THE ERECTION SET.
RO AND DOOR SIZES MAY VARY DUE TO ENGINEERING ISSUES.



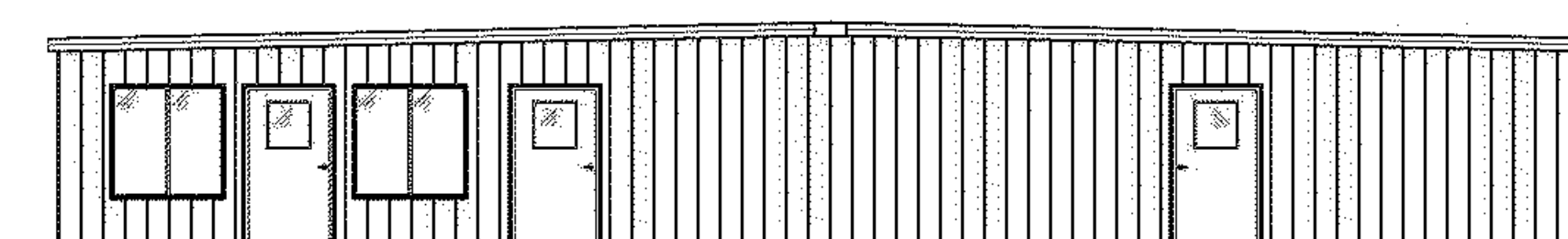
SIDE WALL ELEVATION



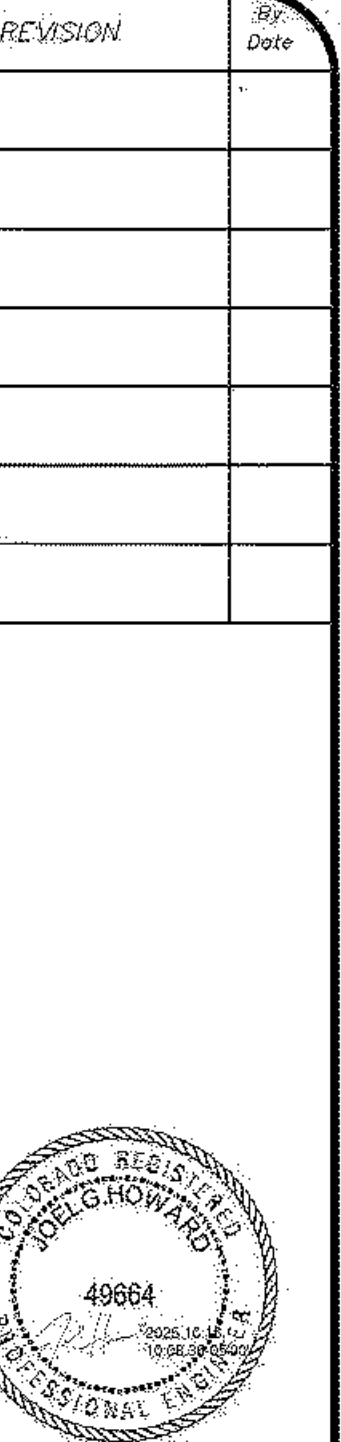
SIDE WALL ELEVATION



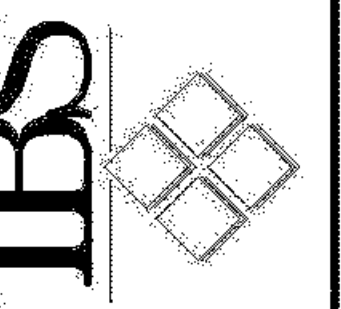
END WALL ELEVATION



END WALL ELEVATION



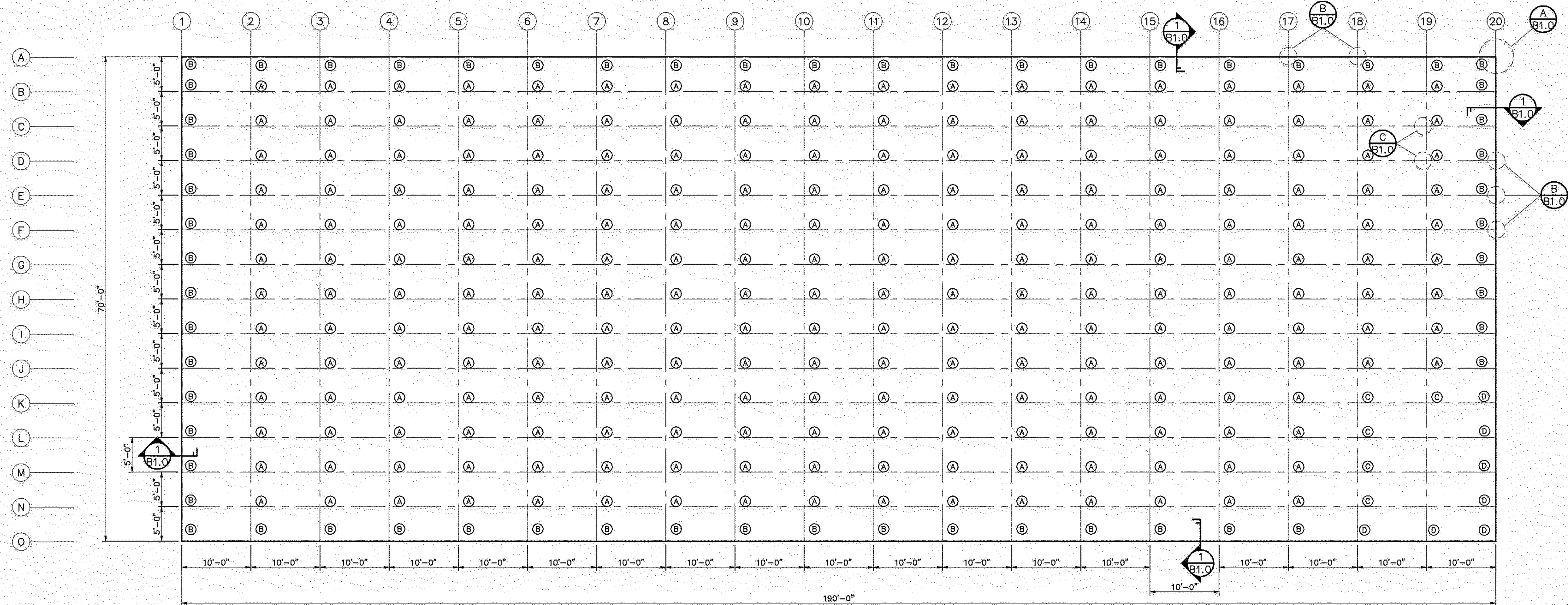
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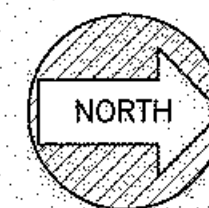
AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO
FLOOR PLAN & ELEVATIONS - 1

Date 9/28/25
Drawn by JMN
Scale 1/8" = 1'-0"
Plan No. P61348
Order No.
Sheet No.

A1.0



ANCHOR BOLT PLAN FOR BUILDING 1



GENERAL FOUNDATION NOTES

- FOUNDATION SPECIFICATIONS**
- CONCRETE SHALL BE OF A MIXTURE AND DENSITY TO YIELD A MINIMUM 2,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS. NOTE: ANCHOR DESIGN IS BASED ON 2,500 PSI.
 - STRUCTURAL ANCHORS SHALL BE CONCRETE SCREWS TO BE PROVIDED BY TRACHTE BUILDING SYSTEMS. INSTALLATION INSTRUCTIONS ARE SPECIFIED IN NOTE 01 ON THE ERECTION DETAIL PAGES.
 - NON-STRUCTURAL ANCHORS SHALL BE EITHER POWDER ACTUATED ANCHORS OR TAPCON SCREW ANCHORS. THESE ANCHORS ARE NOT SUPPLIED BY TRACHTE BUILDING SYSTEMS. INSTRUCTIONS FOR LOCATING NON-STRUCTURAL ANCHORS ARE SPECIFIED IN NOTE 02 ON THE ERECTION DETAIL PAGES. NON-STRUCTURAL ANCHORS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.

GENERAL FOUNDATION NOTES:

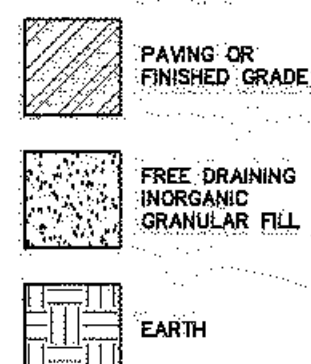
- NOTCH SHALL BE LEVEL WITH NO PITCH.
- FOUNDATION MUST BE SQUARE AND LEVEL.
- ALL CONTROL JOINTS SHOULD BE LOCATED AT LEAST 1 FOOT OFF OF THE TRACHTE BUILDING SYSTEMS COLUMN GRID SHOWN ON THE FOUNDATION PLAN.

NOTE

TRACHTE BUILDING SYSTEMS, INC. IS ONLY RESPONSIBLE FOR THE DESIGN OF THE BUILDING ANCHORING. THE DESIGN IS BASED ON THE PARAMETERS SPECIFIED IN THE NOTES, AND THE LOADS IMPOSED BY OUR BUILDING SYSTEM. IT IS THE OWNERS RESPONSIBILITY TO NOTIFY TRACHTE'S ENGINEERING DEPARTMENT OF ANY UNUSUAL FOUNDATION CONDITIONS OR OF ANY MATERIALS NOT SUPPLIED BY TRACHTE, THAT WILL IMPOSE LOADS ON THE BUILDING SYSTEM.

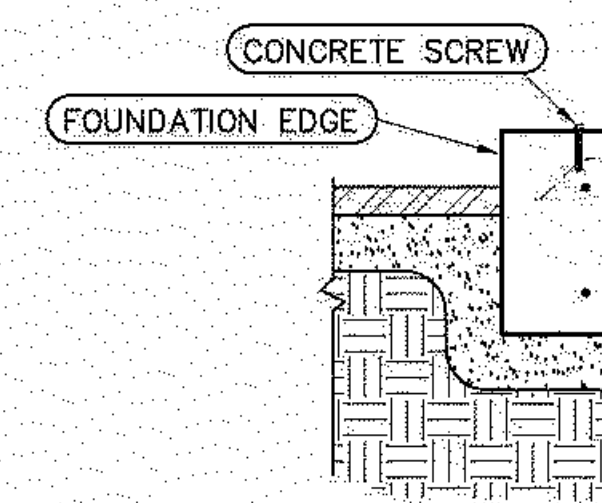
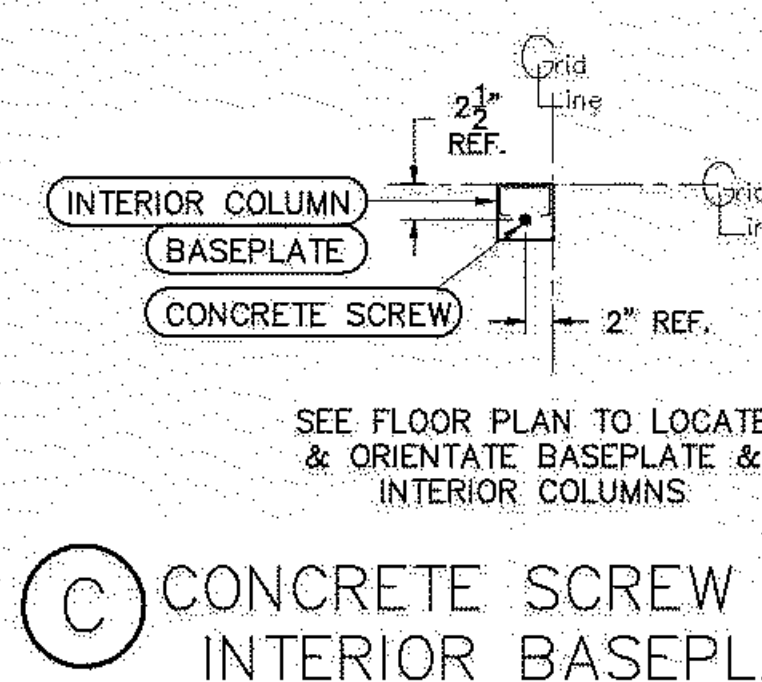
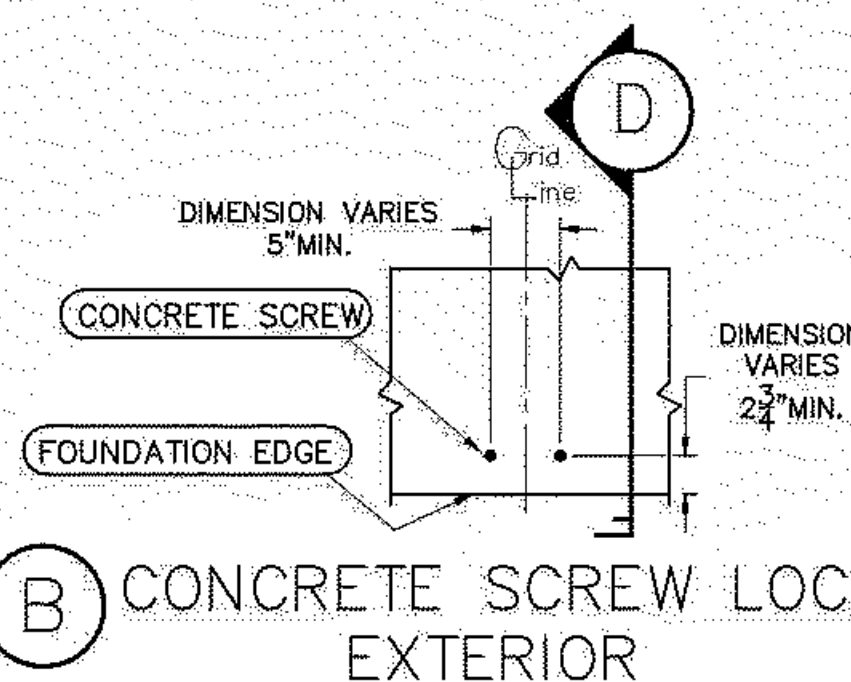
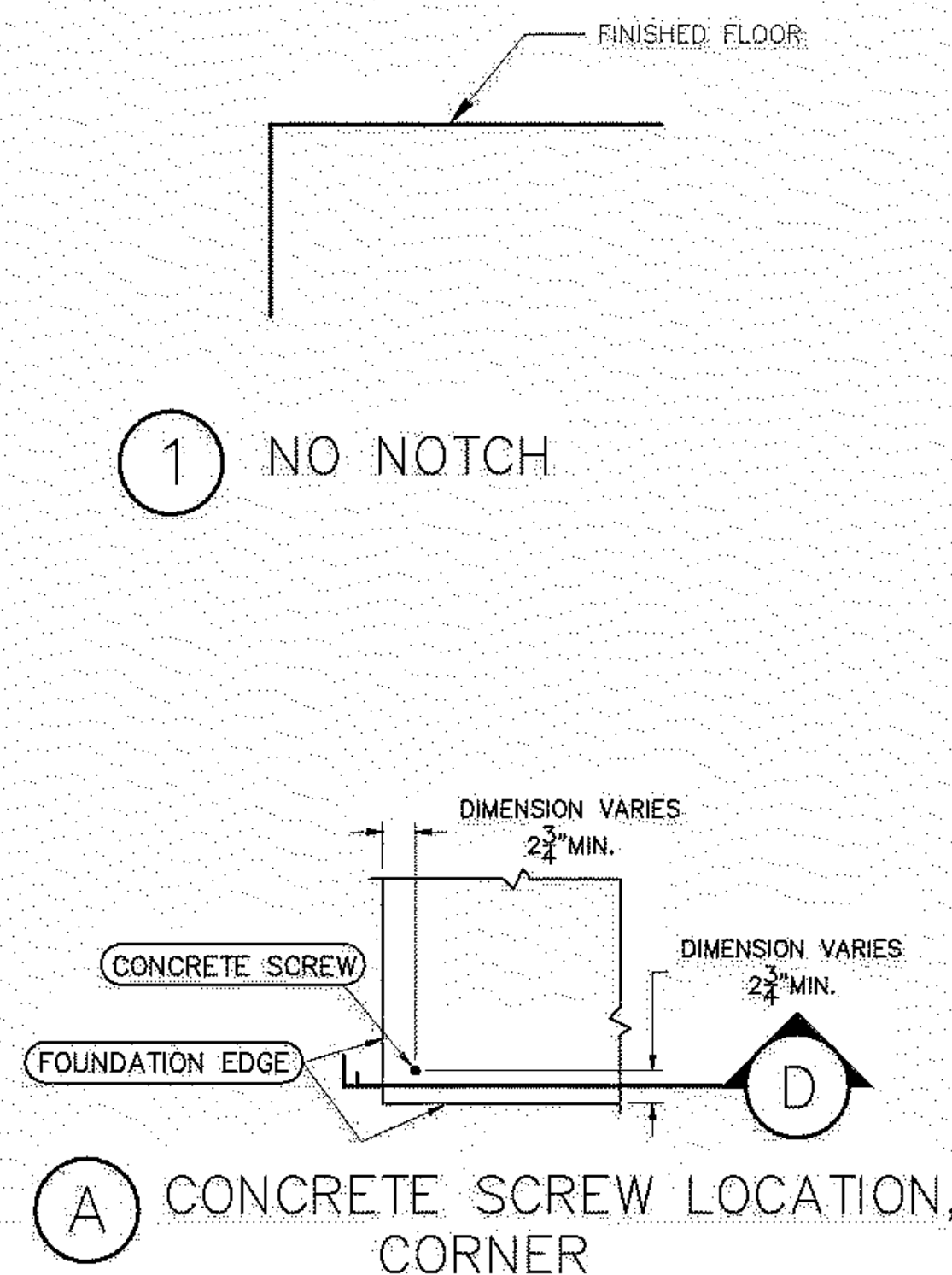
ACTUAL CONSTRUCTION OF THE FOUNDATION, INCLUDING LABOR AND MATERIALS FOR PLACING OF REINFORCING STEEL AND CONCRETE IS BY OTHERS AND THEREFORE, NOT THE RESPONSIBILITY OF TRACHTE BUILDING SYSTEMS.

FOUNDATION LEGEND



CONCRETE SCREW (INTERIOR)
3/8" x 3"

CONCRETE SCREW (EXTERIOR)
3/8" x 3"



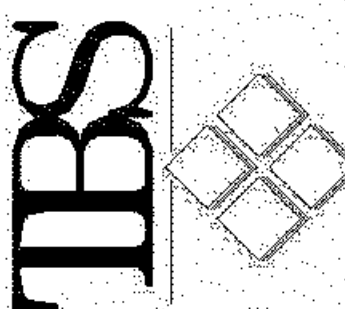
CONCRETE SCREW ANCHOR TO BE ERECTOR INSTALLED IN LIEU OF CAST-IN-PLACE ANCHOR SCREWS. MINIMUM EMBEDMENT DEPTH = (CONCRETE SCREW LENGTH) + 1/2".

ANCHOR BOLT PLAN				
LABEL		GRAVITY LBS.	UPLIFT LBS.	SHEAR LBS.
(A)	INT. COLUMN	2550	450	100
(B)	EXT. COLUMN	1200	300	300
(C)	INT. COLUMN	5100	900	200
(D)	EXT. COLUMN	2400	600	600

MINIMUM CONCRETE THICKNESS	
(BASED ON ANCHOR BOLT REQUIREMENTS, OTHER FACTORS MAY AFFECT CONCRETE THICKNESS)	
ANCHOR SIZE	MINIMUM CONCRETE THICKNESS
3/8" x 2 1/2"	4"
3/8" x 3"	4"
3/8" x 4"	5"
1/2" x 3"	4.5"
1/2" x 4"	5.5"
1/2" x 5"	7"



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RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO

Date: 9/26/25

Drawn by: JMN

Scale: 1/8" = 1'-0"

Plan No. P61348

Order No. --

Sheet No. --

B1.0

01 PRIMARY CONCRETE ANCHOR INSTALLATION

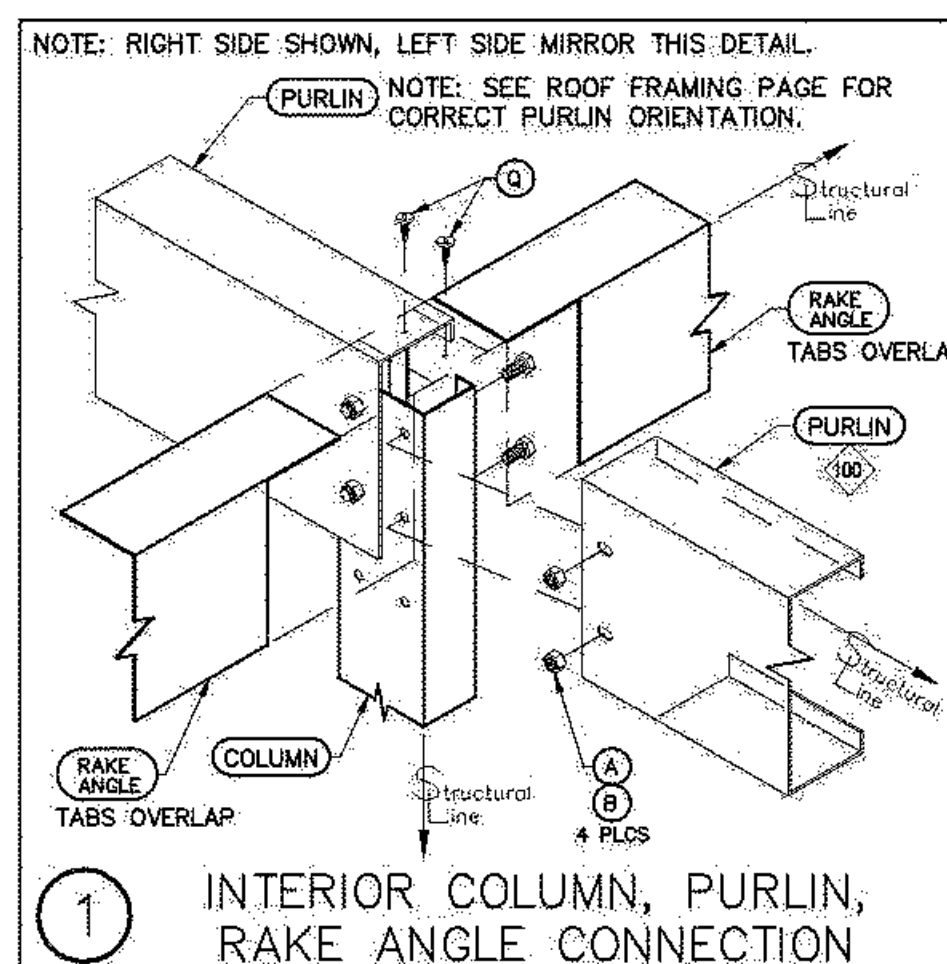
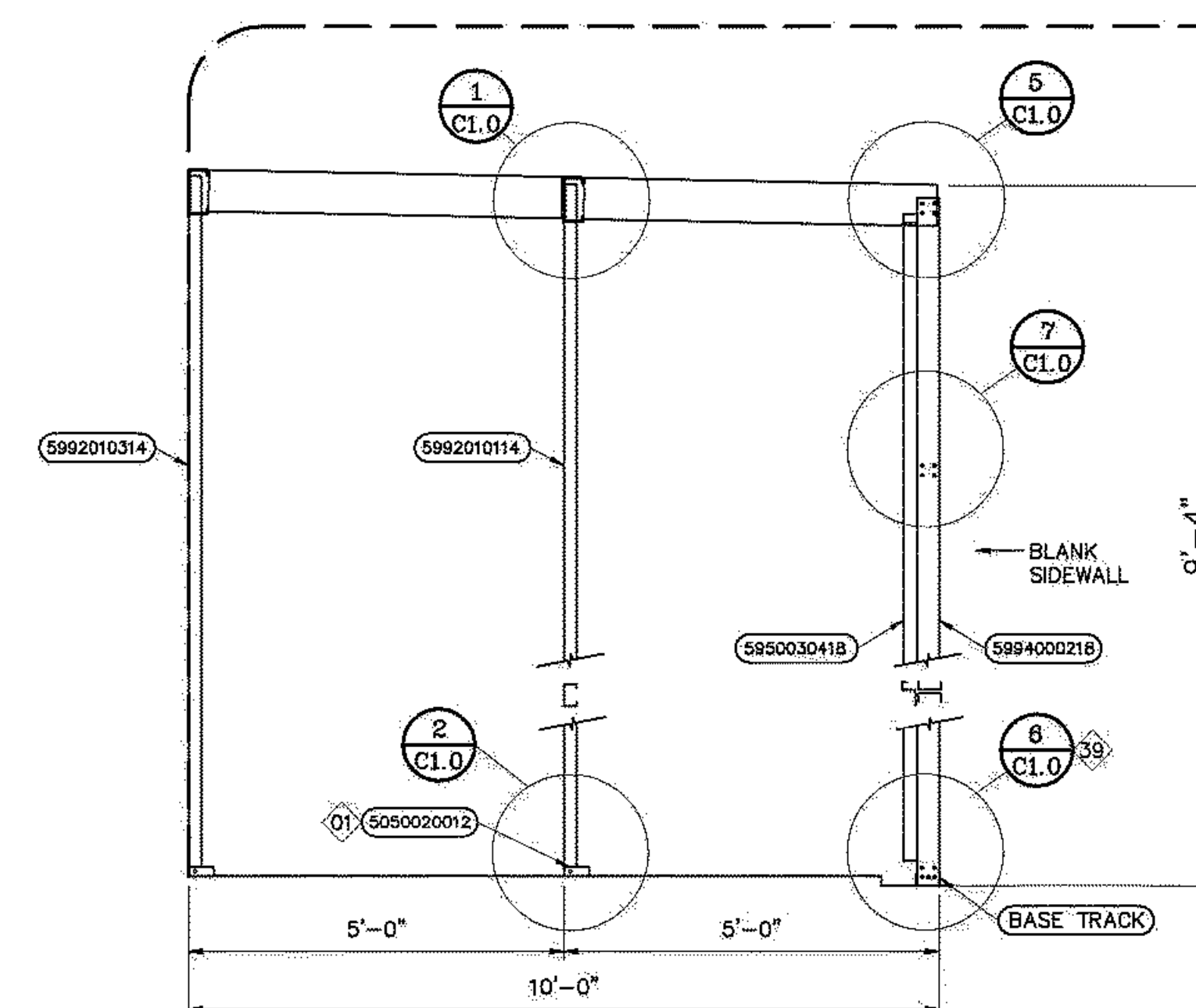
- 1) USING THE PROPER DRILL BIT SIZE, DRILL A HOLE INTO THE BASE MATERIAL TO THE REQUIRED DEPTH. THE TOLERANCES OF THE DRILL BIT USED SHOULD MEET THE REQUIREMENTS OF THE STANDARD.
- 2) REMOVE DUST AND DEBRIS FROM HOLE DURING DRILLING (E.G. DUST EXTRACTOR, HOLLOW BIT) OR FOLLOWING DRILLING (E.G. SUCTION, FORCED AIR) TO EXTRACT LOOSE PARTICLES OR CRUMBS.
- 3) SELECT A TORQUE WRENCH OR POWERED IMPACT WRENCH AND DO NOT EXCEED THE MAXIMUM TORQUE. ^{TEST MAX} OR ^{IMPACT MAX} RESPECTIVELY FOR THE SELECTED ANCHOR DIAMETER AND EACH ANCHOR ATTACH AN APPROPRIATE SIZED HEX SOCKET/DRIVER TO THE IMPACT WRENCH, MOUNT THE SNEW ANCHOR HEAD INTO THE HOLE.
- 4) DRIVE THE ANCHOR INTO THE HOLE UNTIL THE HEAD OF THE ANCHOR COMES INTO CONTACT WITH THE FIXTURE. THE ANCHOR MUST BE SNUG AFTER INSTALLATION. DO NOT OVER-DRIVE THE HEX KEY.

19 PARTITION SUPPORT AT BLANK WALL
BLANK SIDEWALL PARTITION SUPPORT IS ONLY REQUIRED WHERE AN INTERIOR PARTITION PANEL WALL INTERSECTS WITH THE BLANK SIDEWALL. REVIEW YOUR FLOOR PLAN FOR LOCATION AND QUANTITY OF BLANK SIDEWALL SUPPORTS. THE BLANK SIDEWALL SUPPORT MAY NEED TO BE FIELD CUT TO THE PROPER HEIGHT. INSULATED SIDEWALLS WILL USE A ZEE SHAPED SUPPORT, DIFFERENT FROM THE ONE SHOWN. SEE DETAIL SECTION DESIGN FOR BLANK INSULATED SIDEWALLS. SEE FLOOR PLAN FOR PARTITION, CHANNEL, PART NUMBERS.

39. **EXTERIOR COLUMN & NOTCH LAYOUT**
FOUNDATION SHOWN WITH A NOTCH. REFER TO FOUNDATION PLAN FOR
ACTUAL FOUNDATION LAYOUT. INSTALL SILL PLATE SEALER (#102702)
UNDER THE BASE TRACK AT ANY NO NOTCH BLANK WALL.

88 COLUMN BASE PLATE ORIENTATION
ALL CORRIDOR LOCATIONS REQUIRE THE BASE PLATES TO BE ORIENTED AS SHOWN IN DETAIL. NO PART OF THE BASE PLATE SHOULD PROTRUDE INTO THE CORRIDOR AREA. SEE CORRIDOR FLOOR PLAN FOR PROPER CORRIDOR LOCATIONS AND COLUMN ORIENTATION.

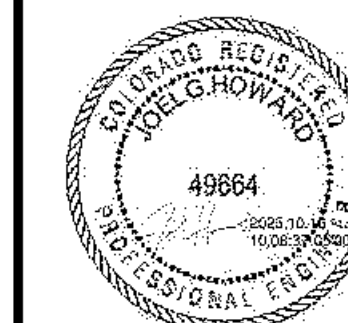
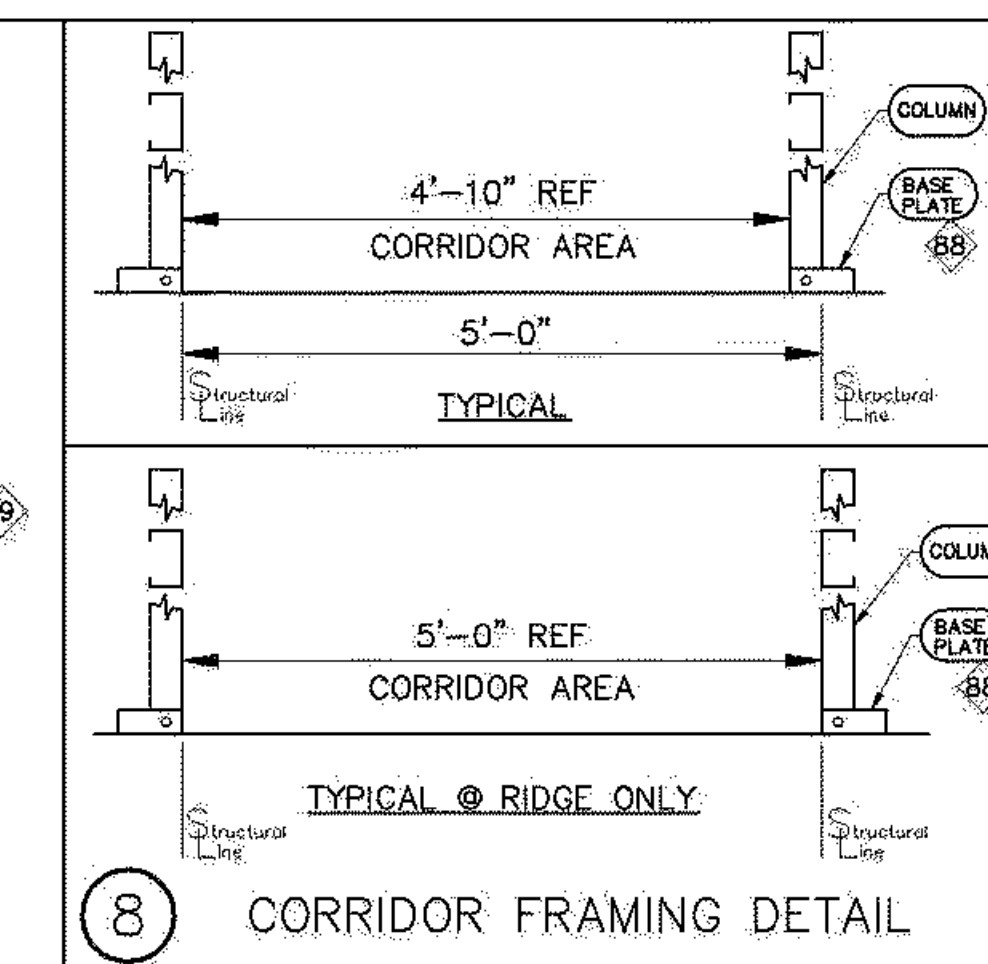
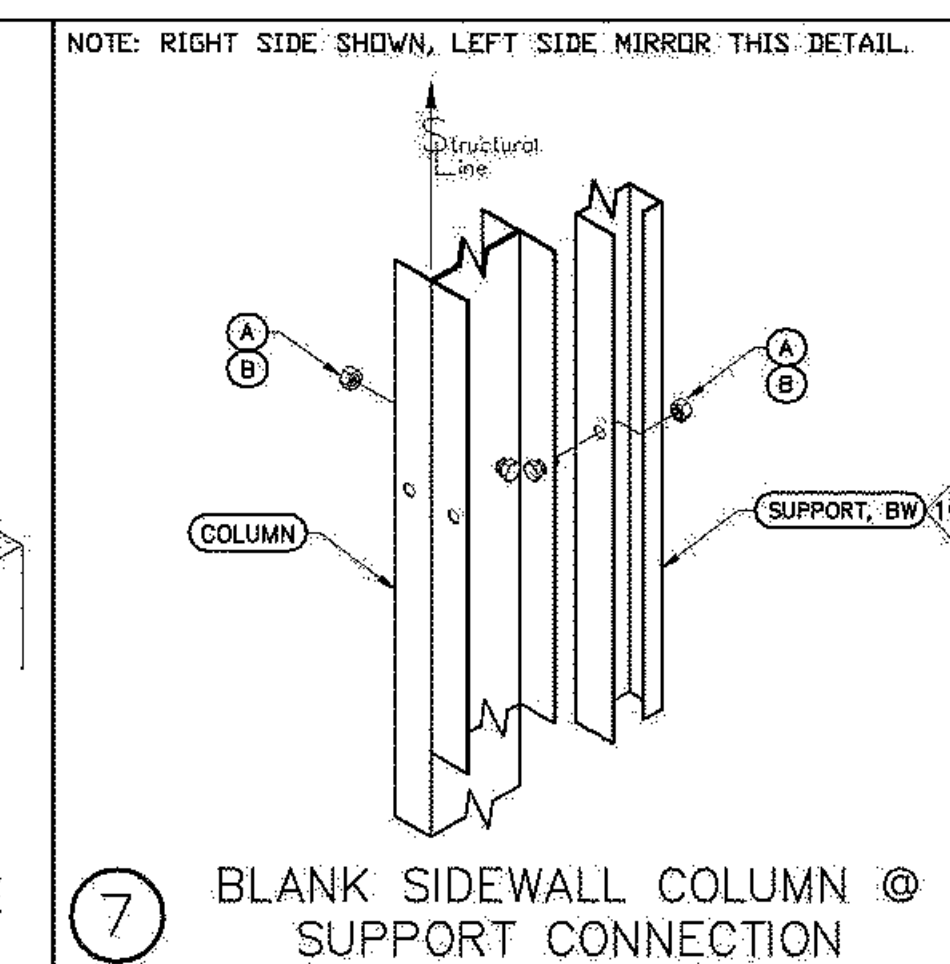
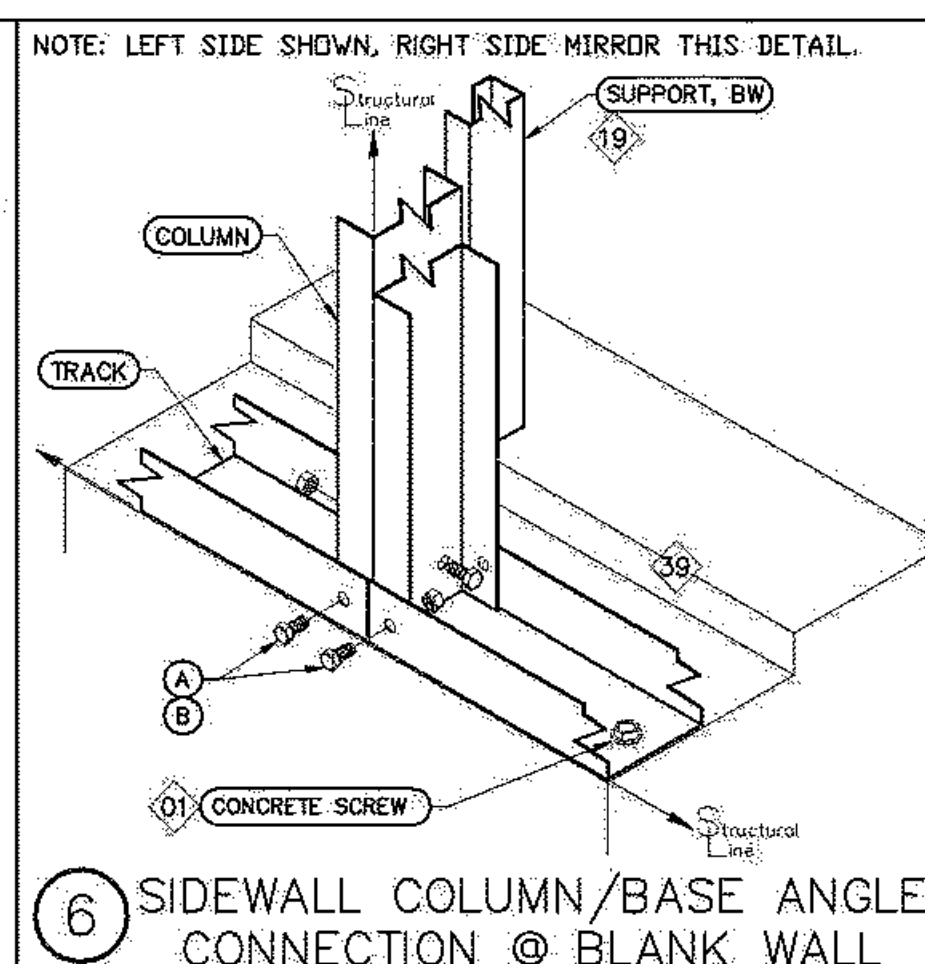
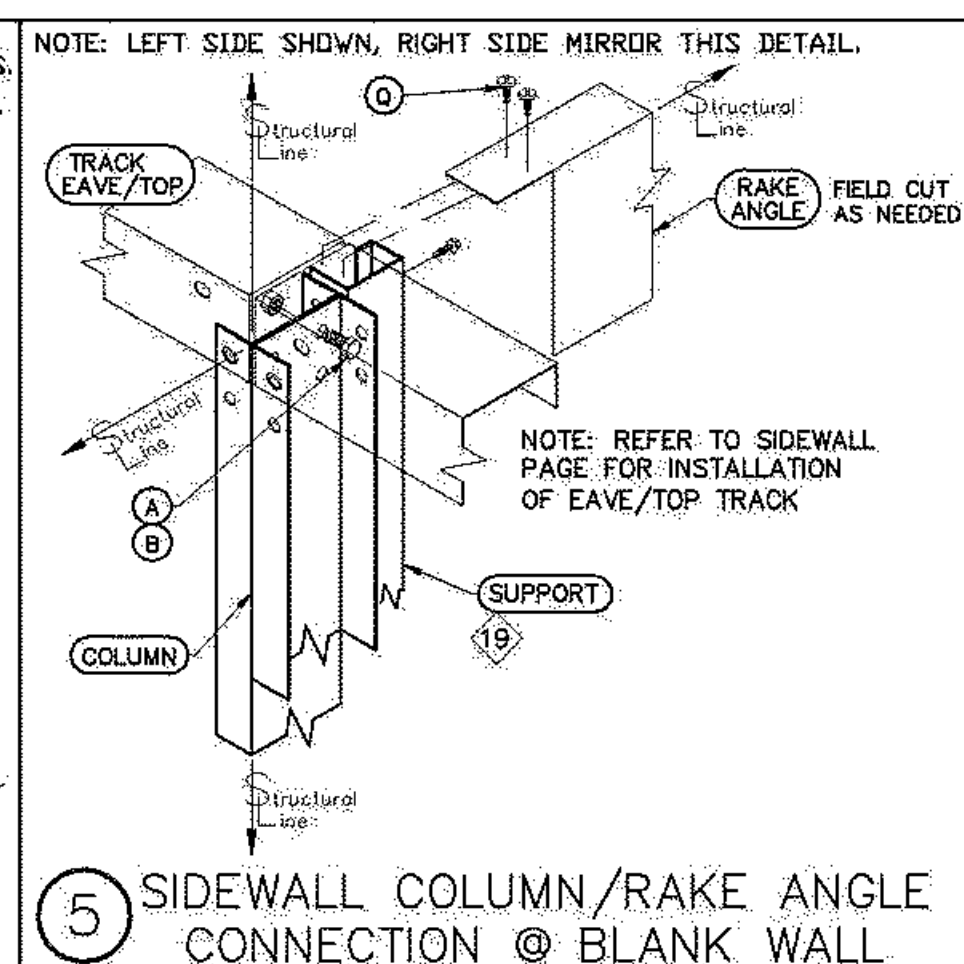
100. PURLIN CONNECTIONS - 7", 9", 11", AND 12" WEB
7" (SHOWN) AND 9" PURLINS REQUIRE TWO BOLT CONNECTIONS ON EACH END.
11" AND 12" PURLINS REQUIRE THREE BOLT CONNECTIONS ON EACH END.



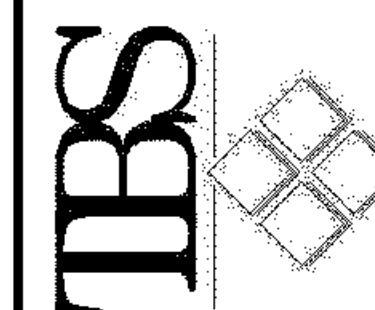
NOTES:

- 1) SEE FLOOR PLAN FOR PROPER BASE PLATE AND COLUMN LOCATIONS
- 2) COLUMN OPENING SHOULD FACE NEAREST "LOW" EAVE.
- 3) (1) PRIMARY ANCHOR REQUIRED AT EACH BASE PLATE, SUPPLIED BY TBS.
- 4) (1) SECONDARY ANCHOR REQUIRED AT EACH BASE PLATE, SUPPLIED BY TBS.

Diagram illustrating the connection of an interior column to a base plate. The diagram shows a vertical column (A) mounted on a base plate (K). A primary anchor (B) is shown connecting the base plate to the foundation. Dashed lines indicate structural lines. Labels include: INTERIOR COLUMN (A), (B), PRIMARY ANCHOR, BASE PLATE, and (K). Dashed lines are labeled "Structural Line".



TRACHTE BUILDING SYSTEMS, Inc.



description.	Title.
AL SCHLOSSER RIGHT MOVE STORAGE 14453 AIRPORT ROAD RIFLE CO	

Date	9/26/20
Drawn by	JMD
Scale	$1/2" = 1'-0"$
Plan No.	P6134
Order No.	
Sheet No.	

C1.0

- PRIMARY CONCRETE ANCHOR INSTALLATION**
- 1) USING THE PROPER DRILL BIT SIZE, DRILL A HOLE INTO THE BASE MATERIAL TO THE REQUIRED DEPTH. THE TOLERANCES OF THE DRILL BIT USED SHOULD MEET THE REQUIREMENTS OF ANSI STANDARD B212.15.
 - 2) REMOVE DUST AND DEBRIS FROM HOLE DURING DRILLING (E.G. DUST EXTRACTOR, HOLLOW BIT) OR FOLLOWING DRILLING (E.G. SUCTION, FORCED AIR) TO EXTRACT LOOSE PARTICLES CREATED DURING DRILLING.
 - 3) SELECT A TORQUE WRENCH OR POWERED IMPACT WRENCH AND DO NOT EXCEED THE MAXIMUM TORQUE, T_{MAX} OR $T_{IMPACT, MAX}$ RESPECTIVELY FOR THE SELECTED ANCHOR DIAMETER AND EMBEDMENT. ATTACH AN APPROPRIATE SIZED HEX SOCKET/DRIVER TO THE IMPACT WRENCH, MOUNT THE SCREW ANCHOR HEAD INTO THE SOCKET.
 - 4) DRIVE THE ANCHOR INTO THE HOLE UNTIL THE HEAD OF THE ANCHOR COMES INTO CONTACT WITH THE FIXTURE. THE ANCHOR MUST BE SNUG AFTER INSTALLATION. DO NOT SPIN THE HEX SOCKET OFF THE ANCHOR TO DISENGAGE.

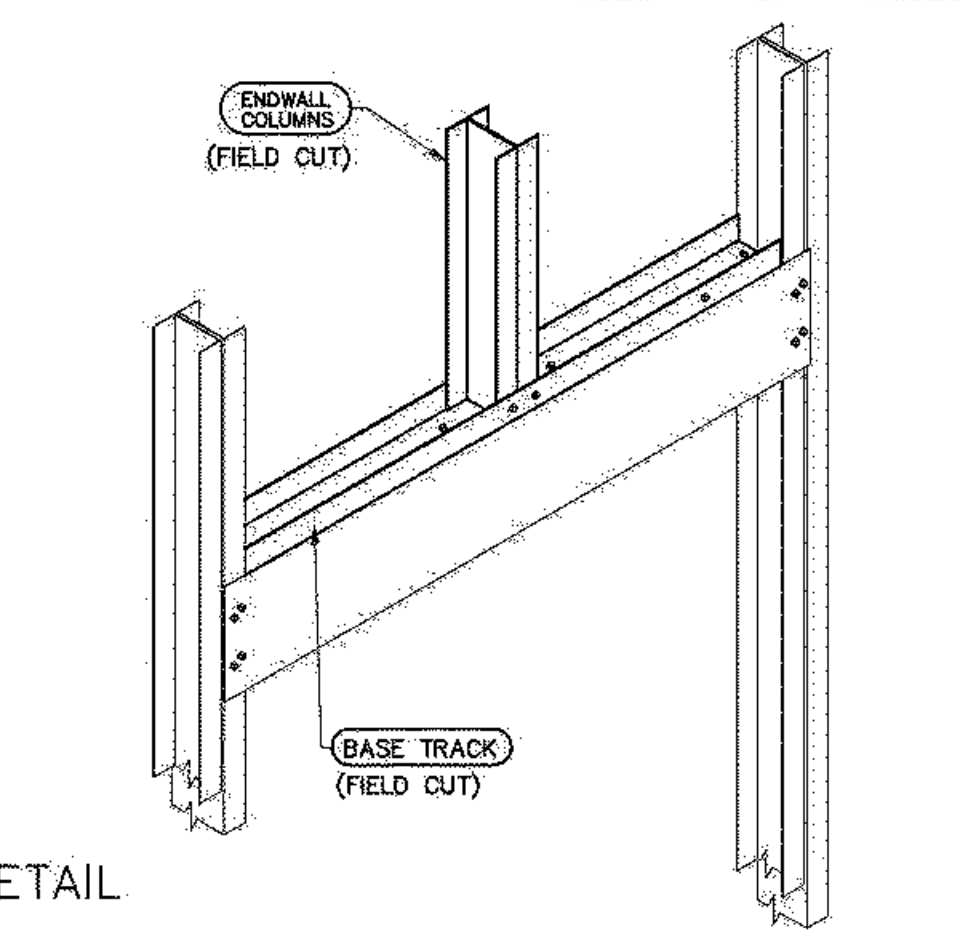
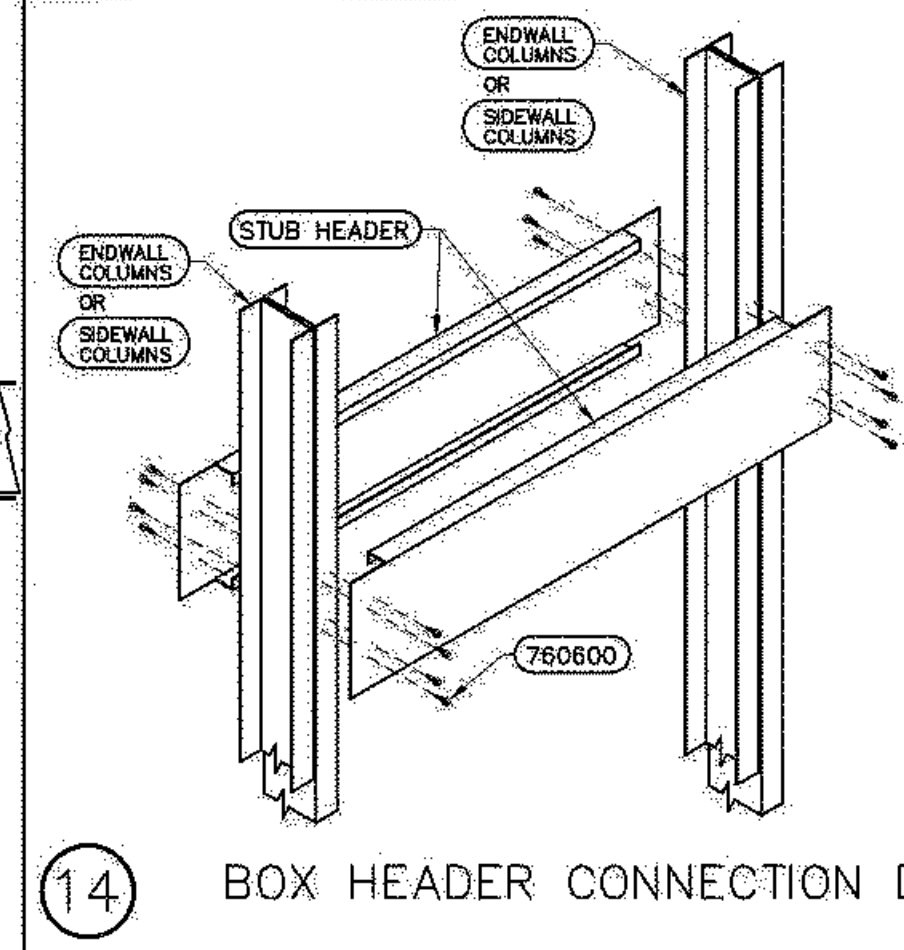
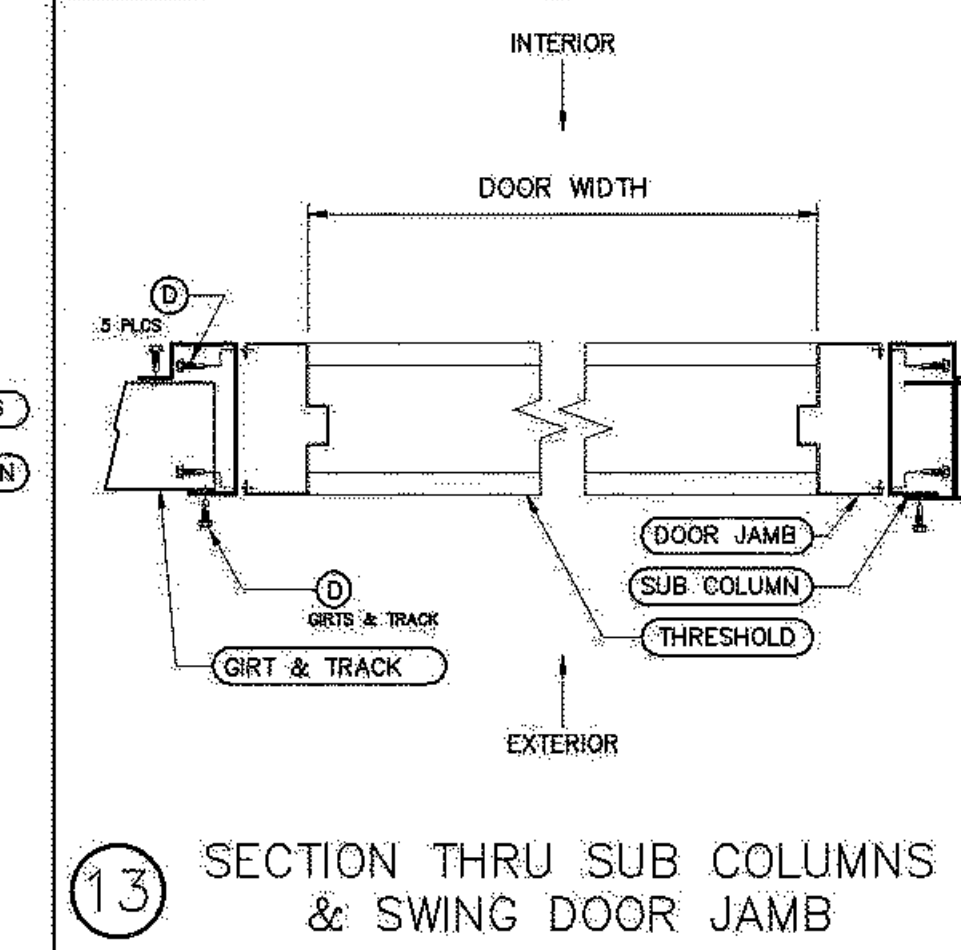
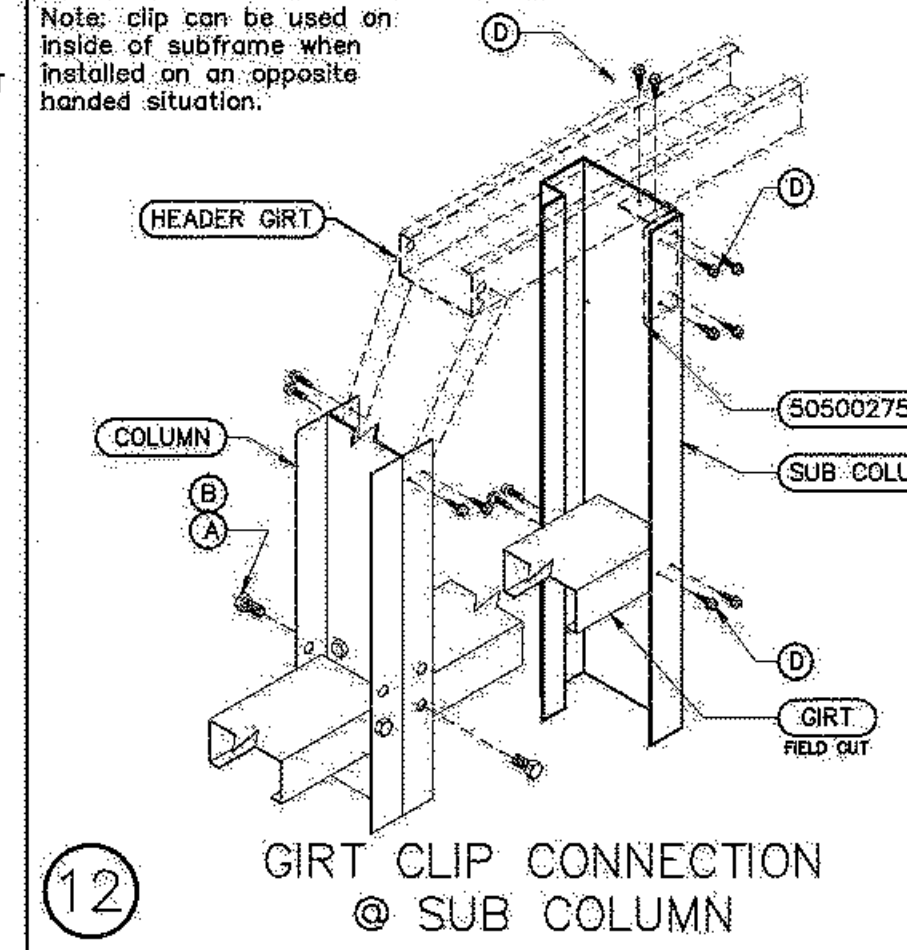
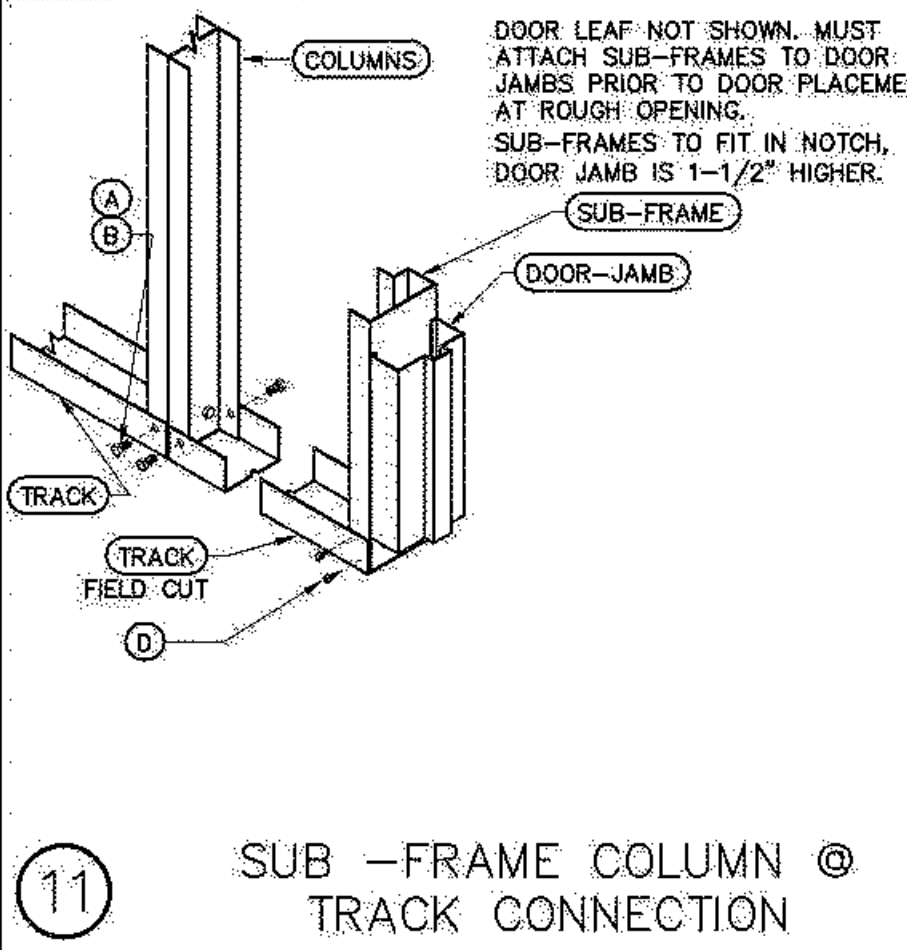
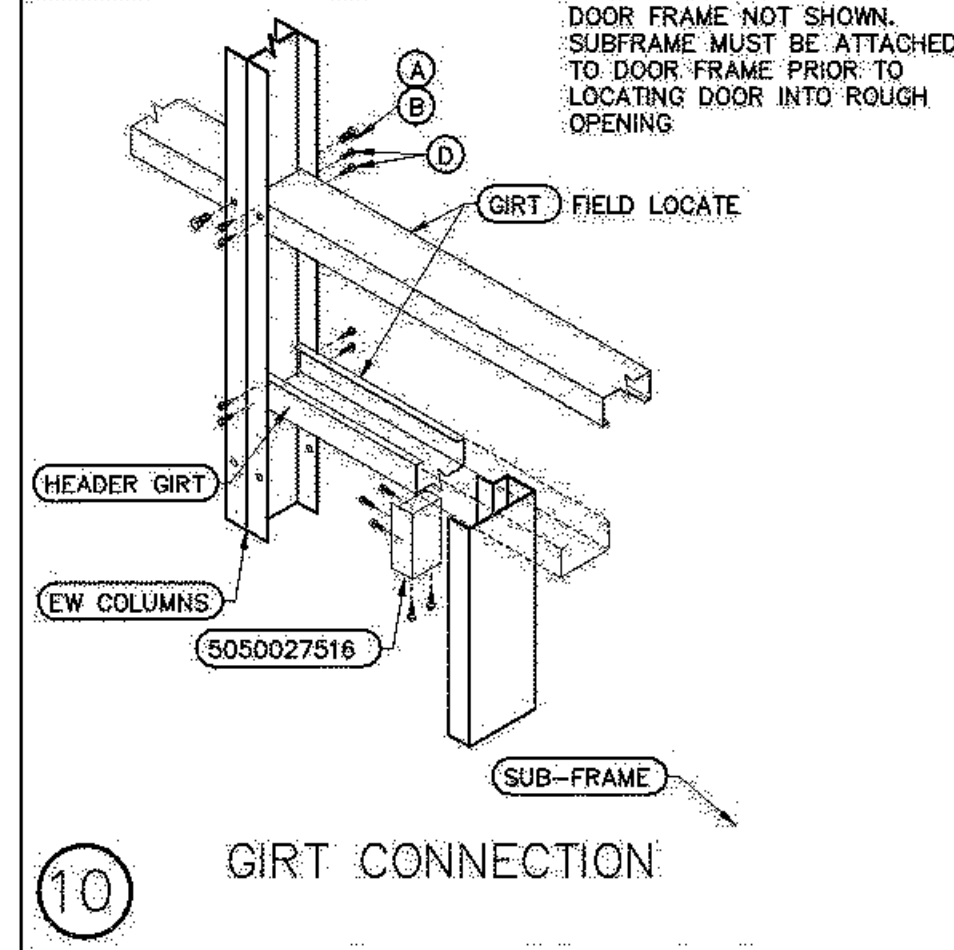
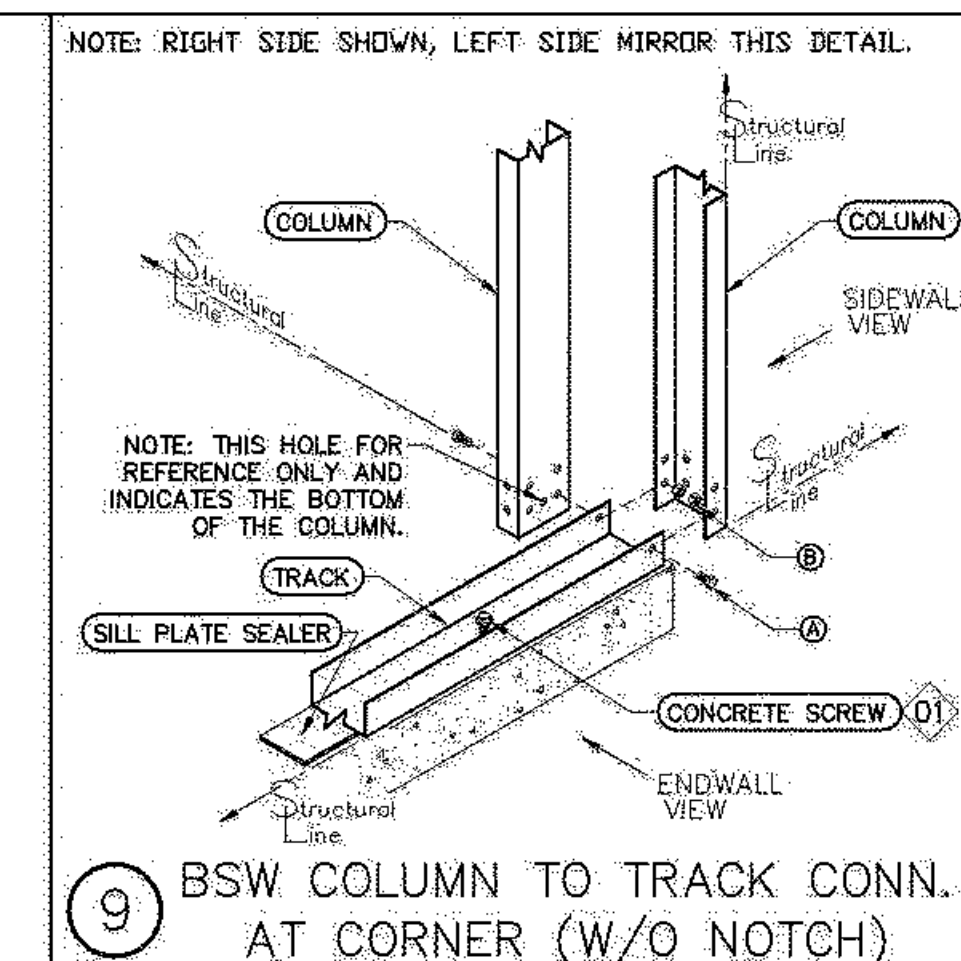
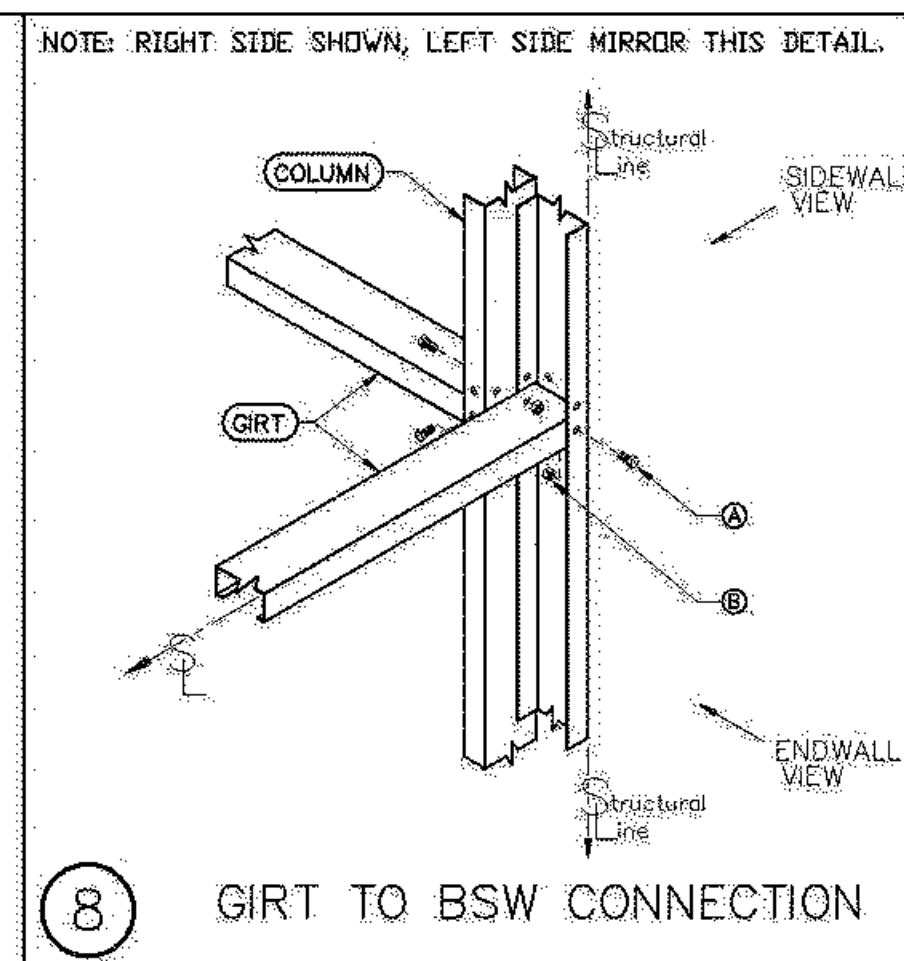
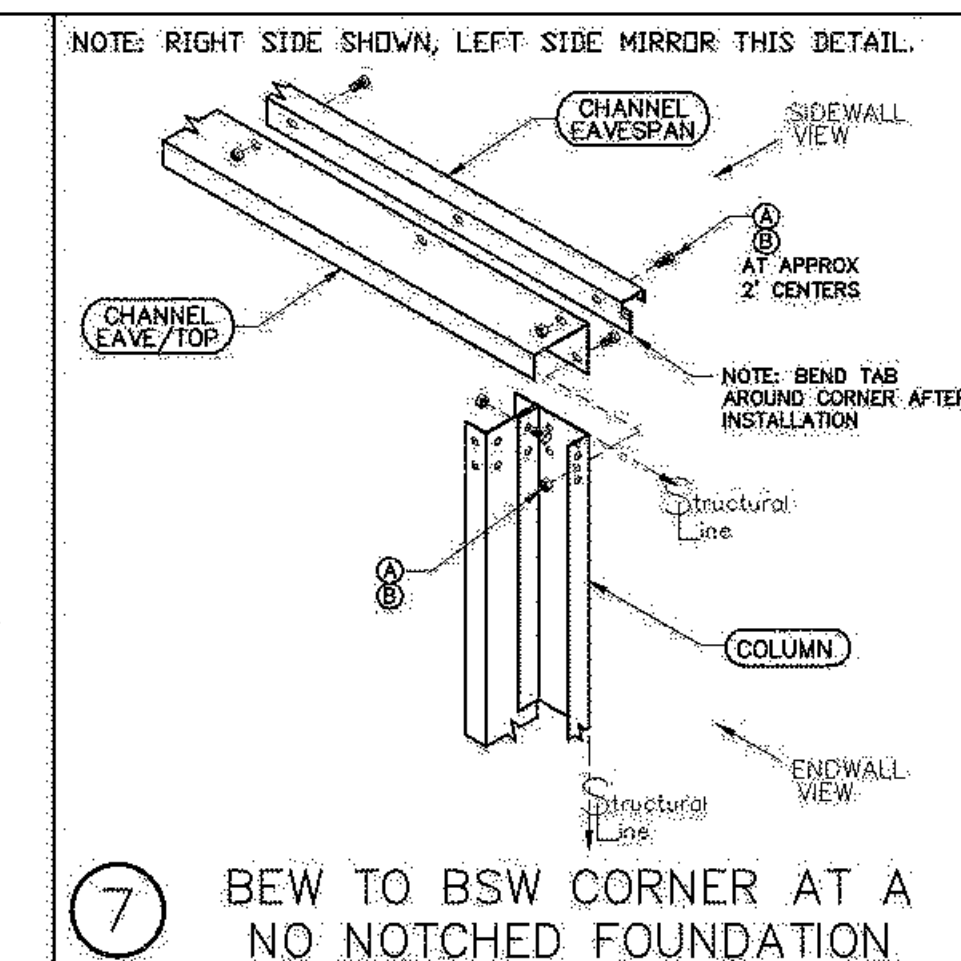
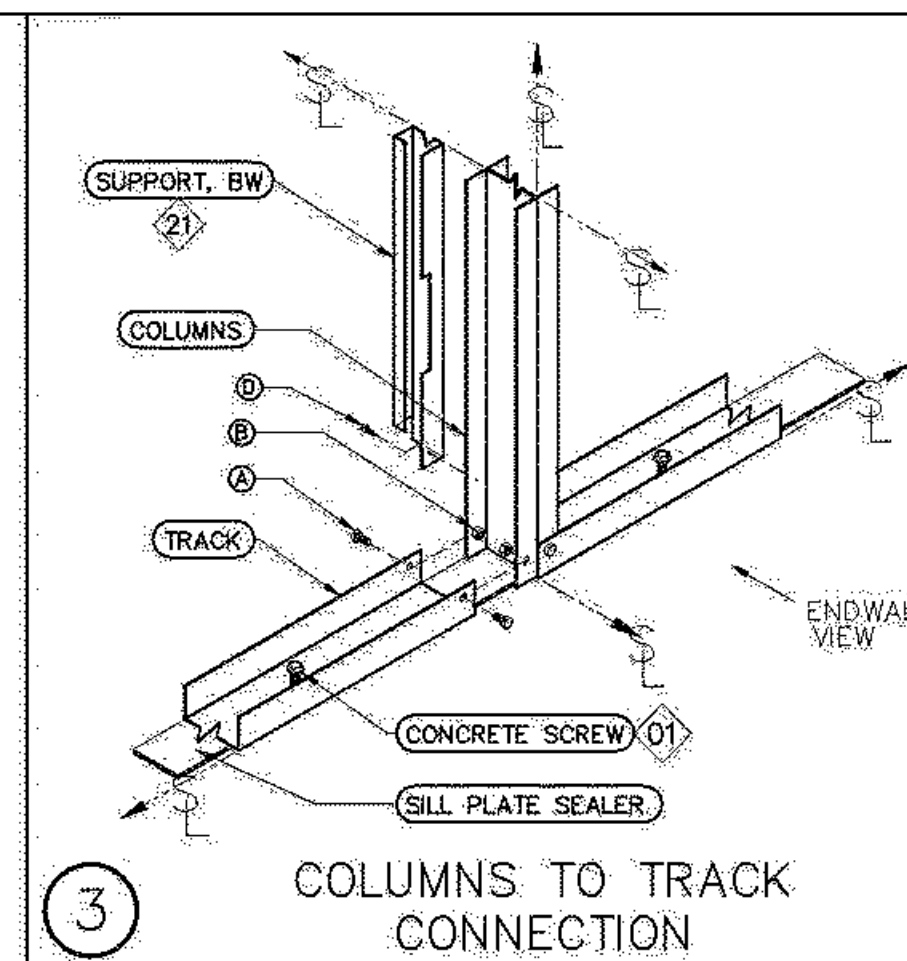
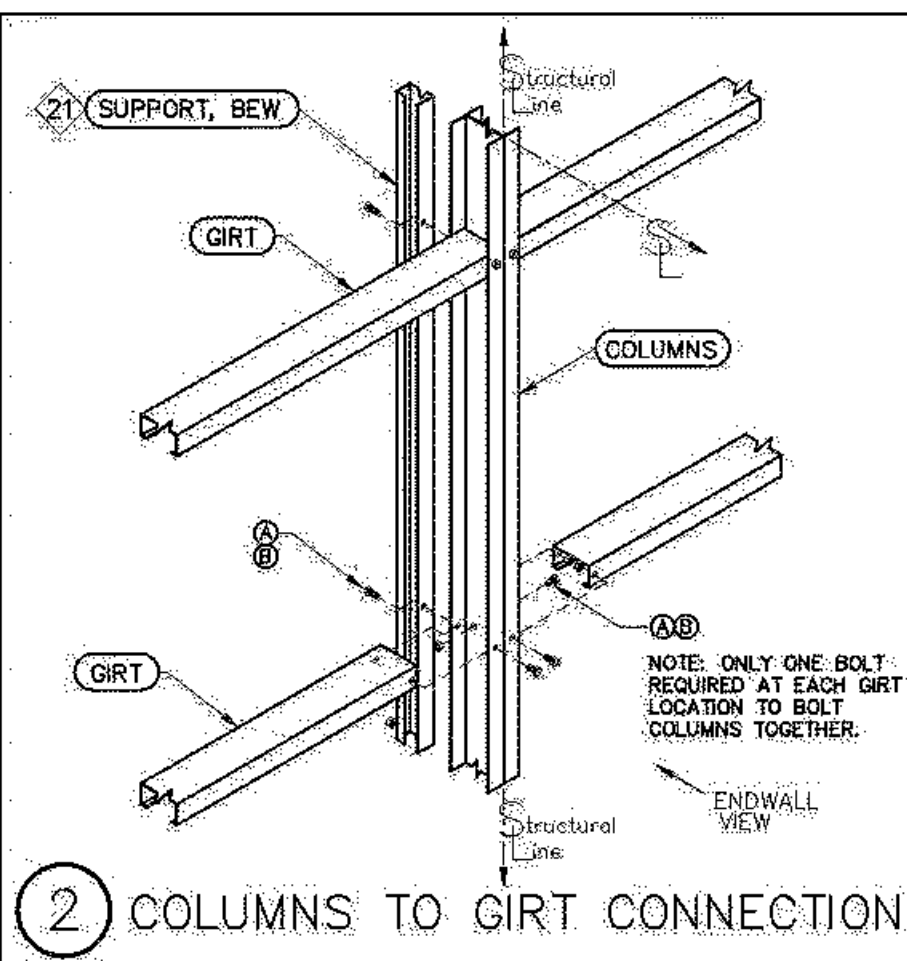
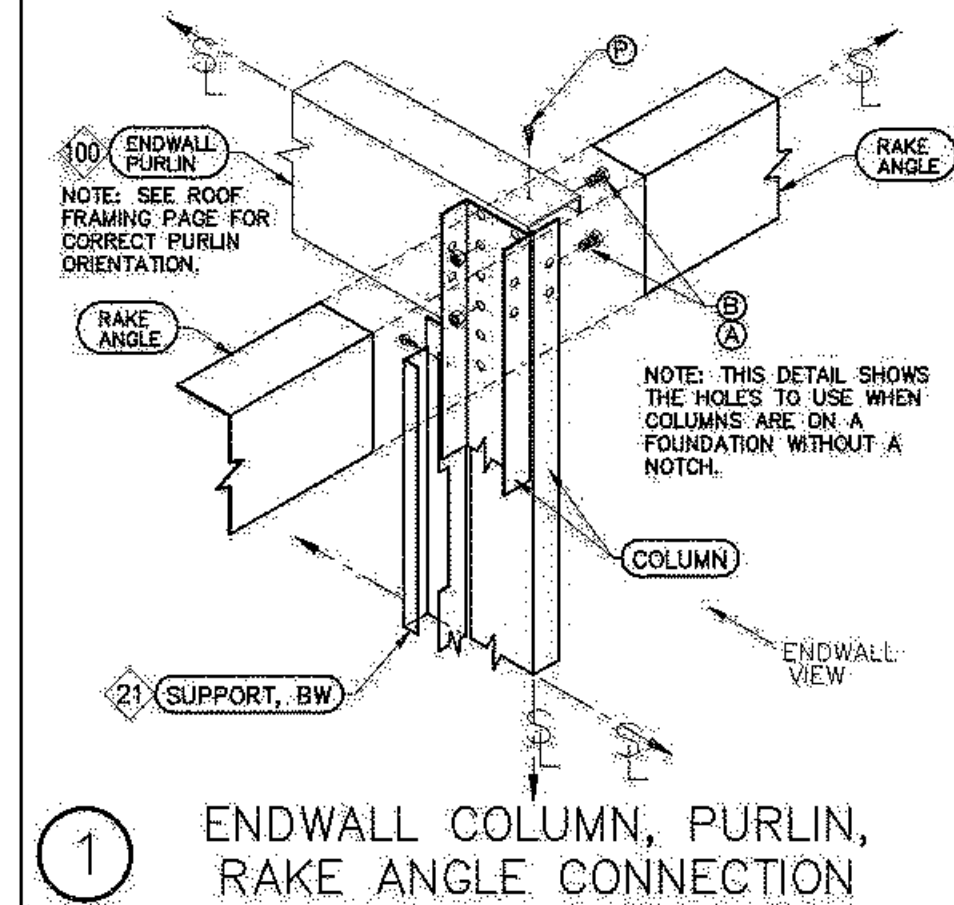
- FIELD CUTTING**
- PROVIDED COMPONENTS OFTEN REQUIRE FIELD CUTTING. TO ENSURE AN APPROPRIATE APPEARANCE AND MINIMIZE CAULK REQUIRED, USE ACCURATE MEASUREMENTS AND QUALITY TOOLS FOR FIELD CUTS. SILL TRIM OFTEN REQUIRES NOTCHING TO AVOID CONFLICTS WITH FASTENERS. LAP JOINTS SHOULD BE ARRANGED TO SHED WATER FROM OVERHEAD OR PREVAILING WIND DIRECTION.

- PARTITION SUPPORT AT BLANK WALL**
- BLANK SIDEWALL PARTITION SUPPORT IS ONLY REQUIRED WHERE AN INTERIOR PARTITION PANEL WALL INTERSECTS WITH THE BLANK SIDEWALL. REVIEW YOUR FLOOR PLAN FOR LOCATION AND QUANTITY OF BLANK SIDEWALL SUPPORTS. THE BLANK SIDEWALL SUPPORT MAY NEED TO BE FIELD CUT TO THE PROPER HEIGHT. INSULATED SIDEWALLS WILL USE A ZEE SHAPED SUPPORT, DIFFERENT FROM THE ONE SHOWN. SEE INSULATION DETAILS IF YOU HAVE INSULATED SIDEWALLS. SEE FLOOR PLAN FOR PARTITION CHANNEL PART NUMBERS.

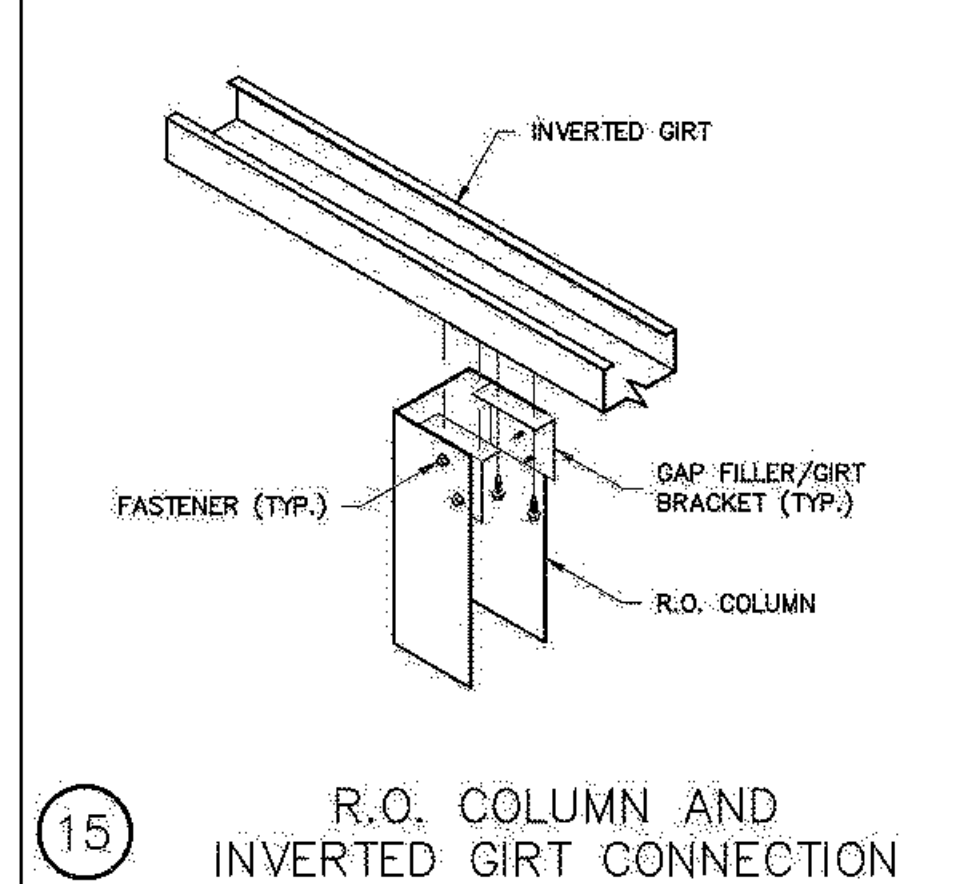
- PARTITION SUPPORTS AT BLANK ENDWALL**
- SEE FLOOR PLAN FOR LOCATIONS AND QUANTITY OF PARTITION SUPPORTS. ALIGN BOTTOM BOLT HOLE OF SUPPORT WITH BOTTOM GIRT OF ENDWALL. FIELD-CUT SUPPORT JUST BELOW PURLIN. SUPPORT WILL REQUIRE FIELD-NOTCHING TO ALLOW FOR THE TOP FASTENER CONNECTION.

- PURLIN CONNECTIONS - 7", 9", 11", AND 12" WEB**
- 7" (SHOWN) AND 9" PURLINS REQUIRE TWO BOLT CONNECTIONS ON EACH END. 11" AND 12" PURLINS REQUIRE THREE BOLT CONNECTIONS ON EACH END.

NOTE: RIGHT SIDE SHOWN, LEFT SIDE MIRROR THIS DETAIL.



* (2) GAP FILLER/GIRT BRACKETS PER R.O. COLUMN AND GIRT CONNECTION*



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AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO

Date: 9/26/25
Drawn by: JMN
Scale: 1/2" = 1'-0"
Plan No.: P61348
Order No.:
Sheet No.:
ENDWALL FRAMING DETAILS

PART # INDEX	
PART #	DESCRIPTION
102702	sillplate sealer, 3.5" x 25'-0" roll
5050022718	18ga. cap filler / clip, stir
5910100214	14ga. EXT. wall base track 3.88" x 5' long
59850000218	18ga. EXT. girt, 4'-11 1/4" long
5987001118	18ga. PT. rafter end, 21"
5991010118	18ga. EW column, 3.63" x 1.5", 5'-0" /EV
5991010212	12ga. EW column, 3.63" x 1.5", 7'-6" /EV
5991010318	18ga. EW column, 3.63" x 1.5", 10'-0" /EV
5991010518	18ga. EW column, 3.63" x 1.5", 15'-0" /EV
5991010712	12ga. EW column, 3.63" x 1.5", 20'-0" /EV
5991010718	18ga. EW column, 3.63" x 1.5", 20'-0" /EV
5991010918	18ga. EW column, 3.63" x 1.5", 25'-0" /EV
5991011118	18ga. EW column, 3.63" x 1.5", 30'-0" /EV
5991011318	18ga. EW column, 3.63" x 1.5", 35'-0" /EV
5994000212	12ga. BSW column, 3.63" x 1.5", 9'-4EV
5994000218	18ga. BSW column, 3.63" x 1.5", 9'-4EV
5996000016	16ga. R.D. COL., 3.63 x 10'-0" long
5996000016	16ga. PDL Subcolumn, 5.75 x 7'-2" long

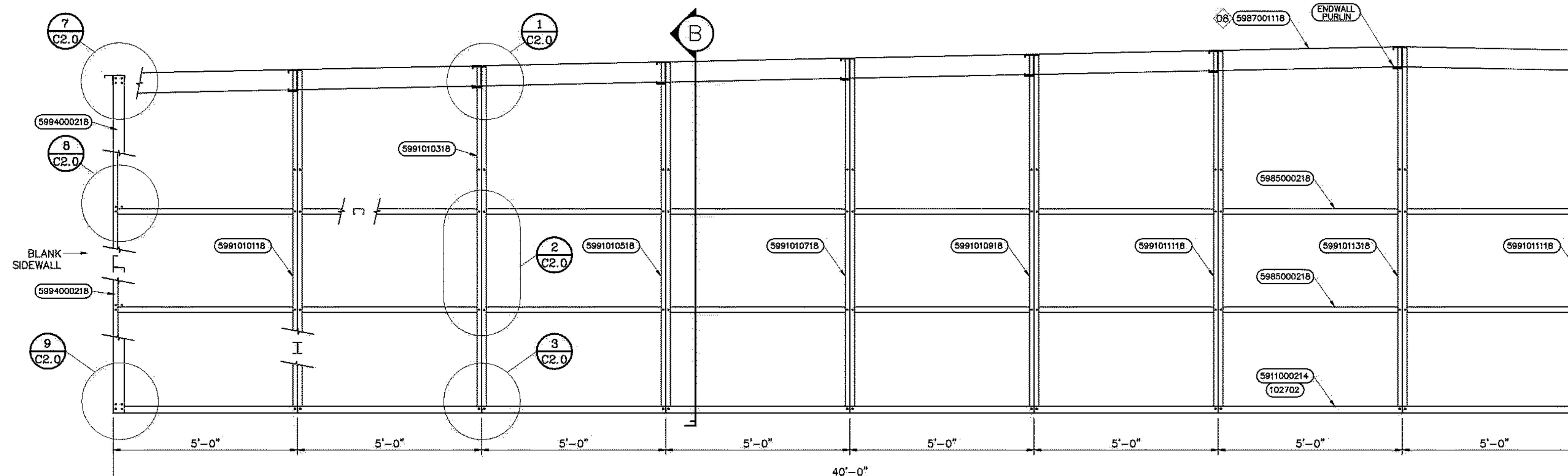
- 1) USING THE PROPER DRILL BIT SIZE, DRILL A HOLE INTO THE BASE MATERIAL TO THE REQUIRED DEPTH. THE TOLERANCES OF THE DRILL BIT USED SHOULD MEET THE REQUIREMENTS OF THE STANDARD.
- 2) REMOVE DUST AND DEBRIS FROM HOLE DURING DRILLING (E.G. DUST EXTRACTOR, HOLLOW BIT) OR FOLLOWING DRILLING (E.G. SUCTION, FORCED AIR) TO EXTRACT LOOSE PARTICLES CREATED DURING DRILLING.
- 3) SELECT A TORQUE WRENCH OR POWERED IMPACT WRENCH AND DO NOT EXCEED THE MAXIMUM TORQUE SPECIFIED FOR THE ANCHOR, RESPECTIVELY. FOR THE SELECTED ANCHOR DIAMETER AND EMBEDMENT, ATTACH AN APPROPRIATE SIZED HEX SOCKET/DRIVER TO THE IMPACT WRENCH, MOUNT THE SCREW ANCHOR HEAD INTO THE SOCKET.
- 4) DRIVE THE ANCHOR INTO THE HOLE UNTIL THE HEAD OF THE ANCHOR COMES INTO CONTACT WITH THE BASE MATERIAL. MUST BE DONE AFTER INSTALLATION. DO NOT SPIN THE HEX SOCKET OFF THE ANCHOR TO DISENGAGE.

PROVIDED COMPONENTS OTHER REQUIRE FIELD CUTTING, TO ENSURE AN APPROPRIATE APPEARANCE AND MINIMIZE CAULK REQUIRED, USE ACCURATE MEASUREMENTS AND QUALITY TOOLS FOR FIELD CUTS. SILL TRIM OFTEN REQUIRES NOTCHING TO AVOID CONFLICTS WITH FASTENERS. LAP JOINTS SHOULD BE ARRANGED TO SHED WATER FROM OVERHEAD OR PREVAILING WIND DIRECTION.

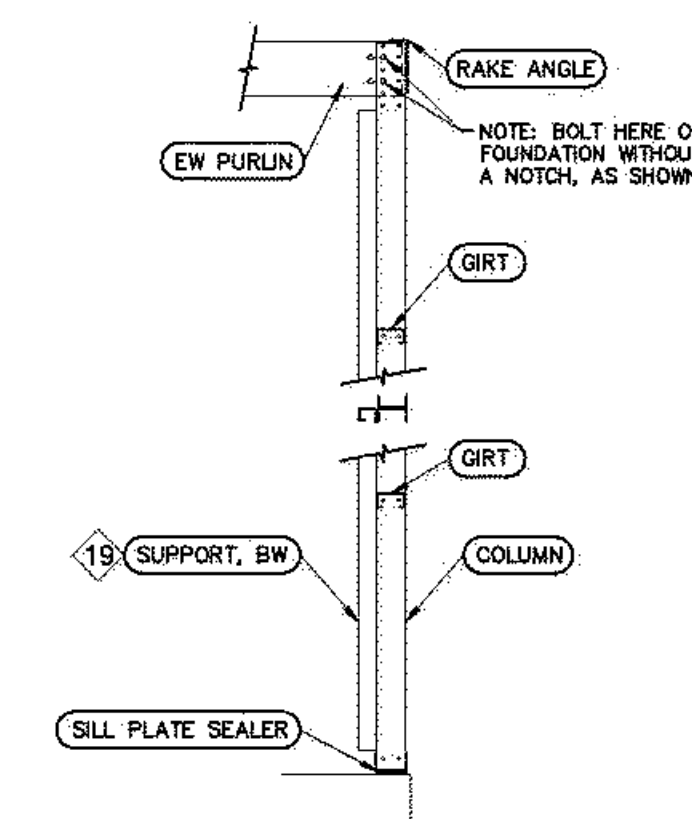
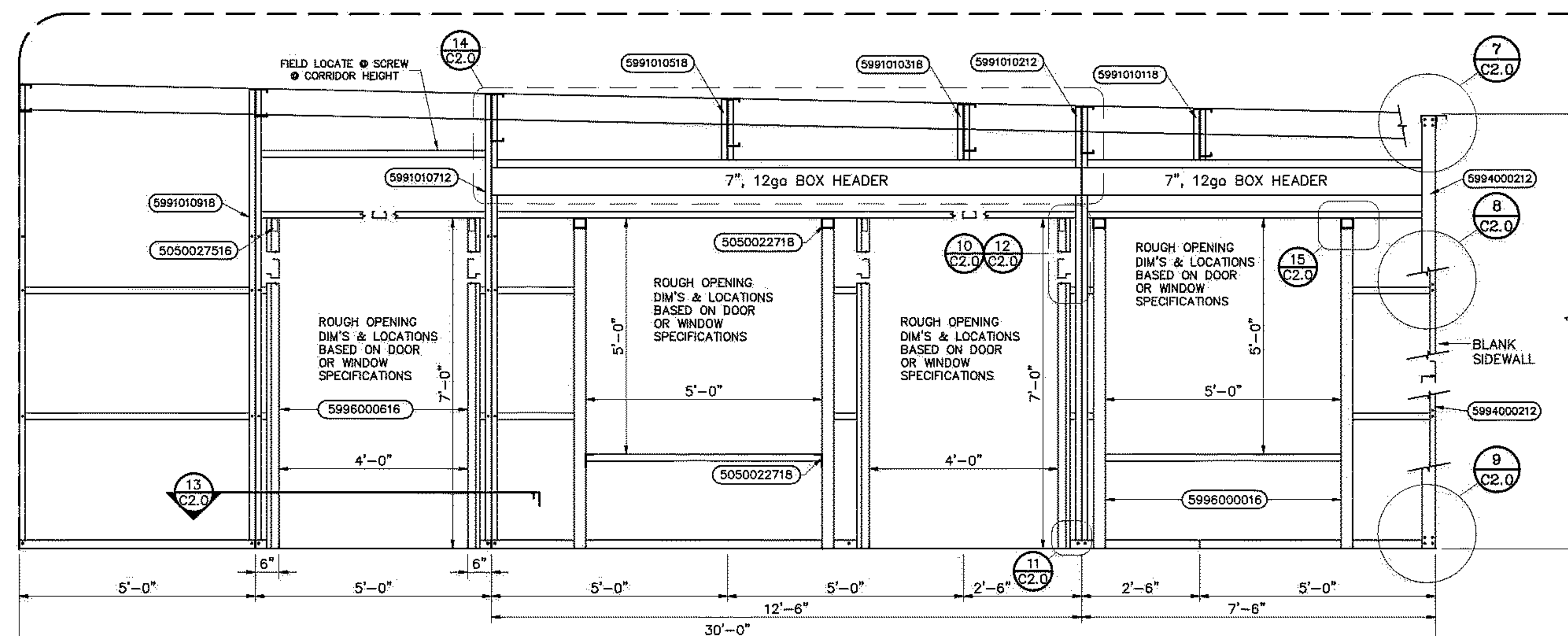
BLANK SIDEWALL PARTITION SUPPORT IS ONLY REQUIRED WHERE AN INTERIOR PARTITION PANEL WALL INTERSECTS WITH THE BLANK SIDEWALL. REVIEW YOUR FLOOR PLAN FOR LOCATION AND QUANTITY OF BLANK SIDEWALL SUPPORTS. THE BLANK SIDEWALL SUPPORT MAY NEED TO BE FIELD CUT TO THE PROPER HEIGHT. INSULATED SIDEWALLS WILL USE A ZEE SHAPED SUPPORT, DIFFERENT FROM THE ONE SHOWN. SEE INSULATION DETAILS IF YOU HAVE INSULATED SIDEWALLS. SEE FLOOR PLAN FOR PARTITION CHANNEL PART NUMBERS.

SEE FLOOR PLAN FOR LOCATIONS AND QUANTITY OF PARTITION SUPPORTS. ALIGN BOTTOM BOLT HOLE OF SUPPORT WITH BOTTOM GIRT OF ENDWALL. FIELD-CUT SUPPORT JUST BELOW PURLIN. SUPPORT WILL REQUIRE FIELD-NOTCHING TO ALLOW FOR THE TOP FASTENER CONNECTION.

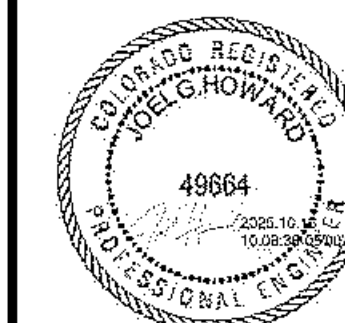
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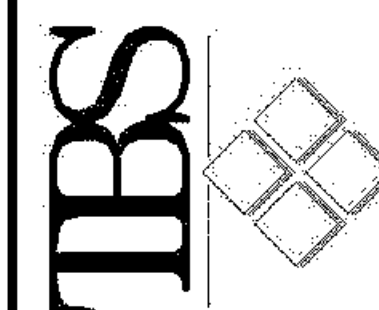
ENDWALL FRAMING ELEVATION, 1/4" PITCH (INTERIOR VIEW)



(B) BLANK ENDWALL SECTION

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AL SCHLOSSER
BRIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO

Date: 9/26/25

Drawn by JMN

Scale $1/2" = 1'-0"$

Plan No. P61348

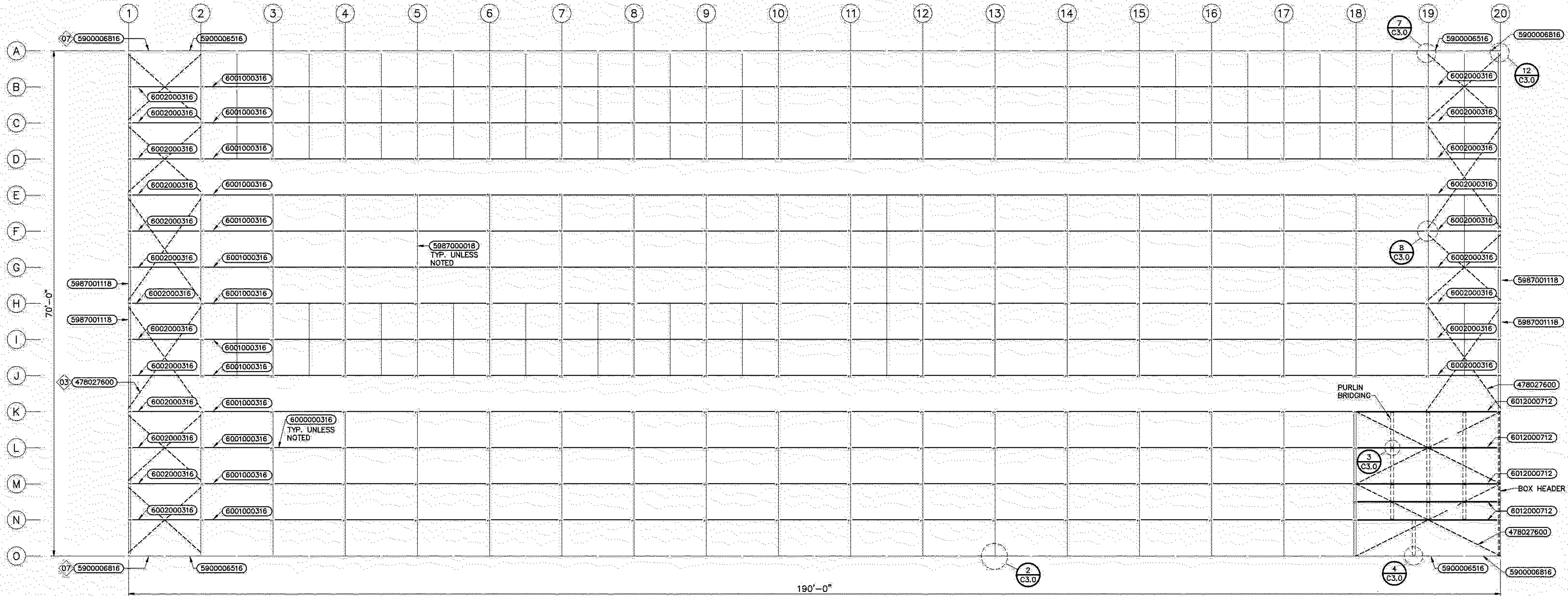
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Sheet No.

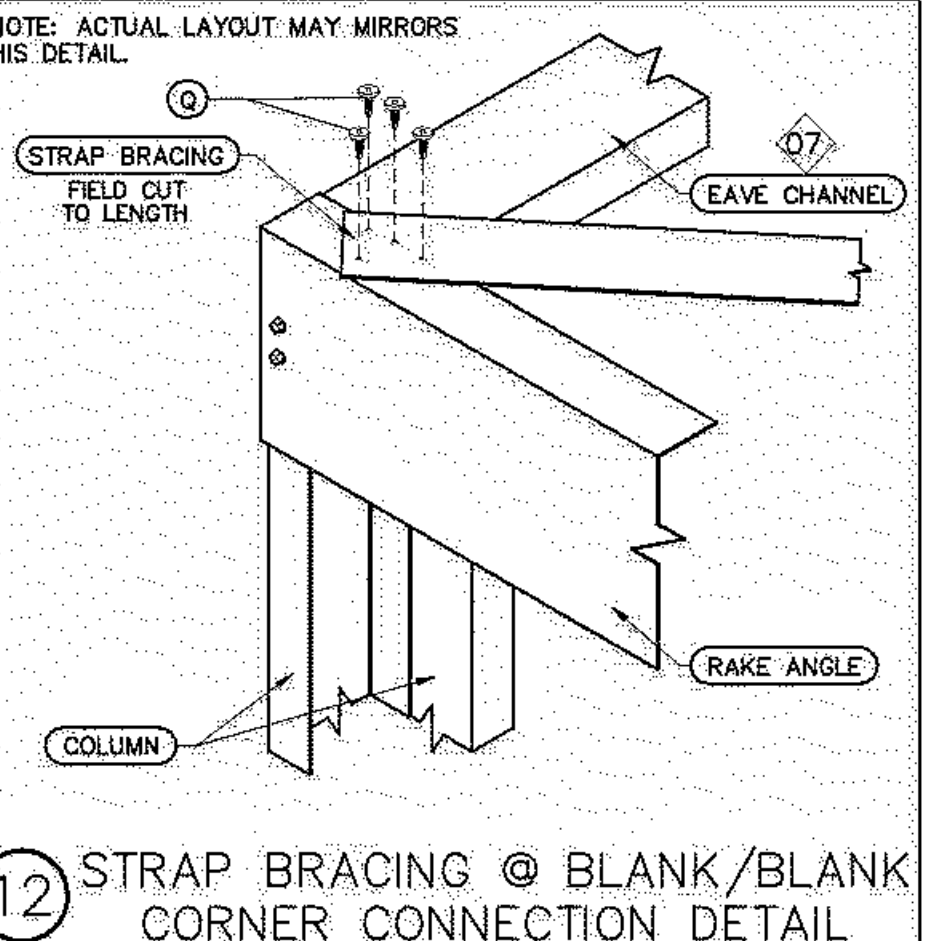
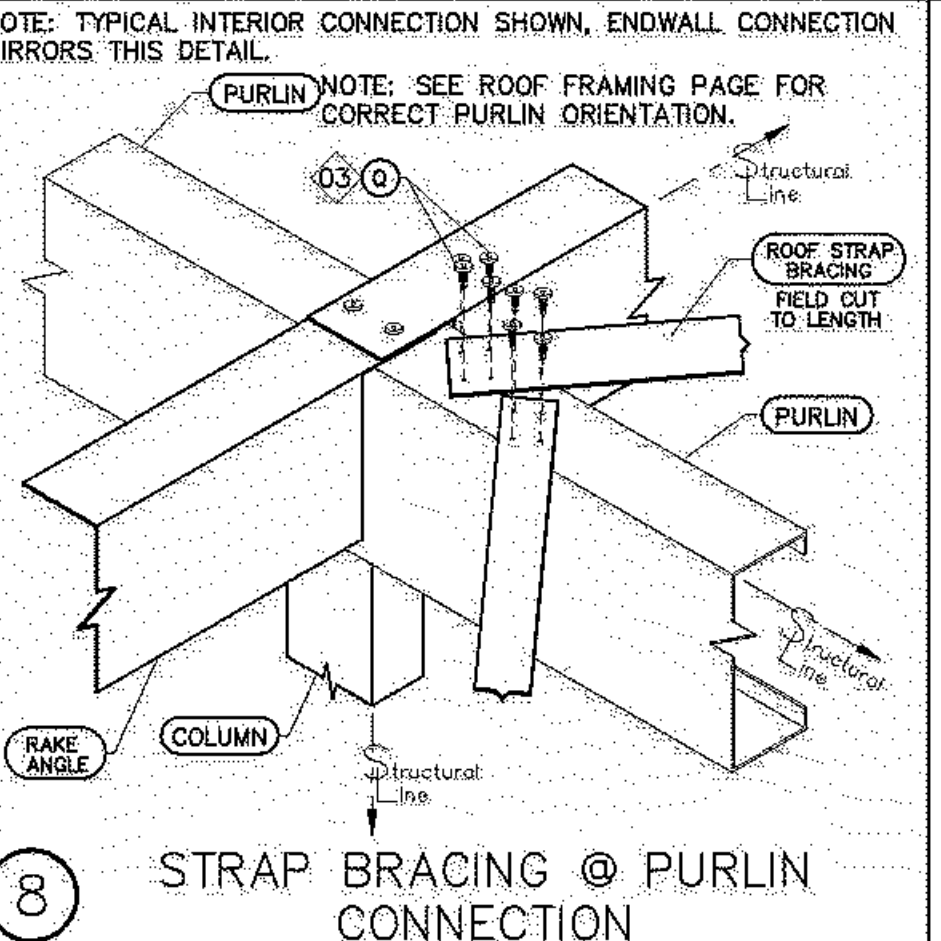
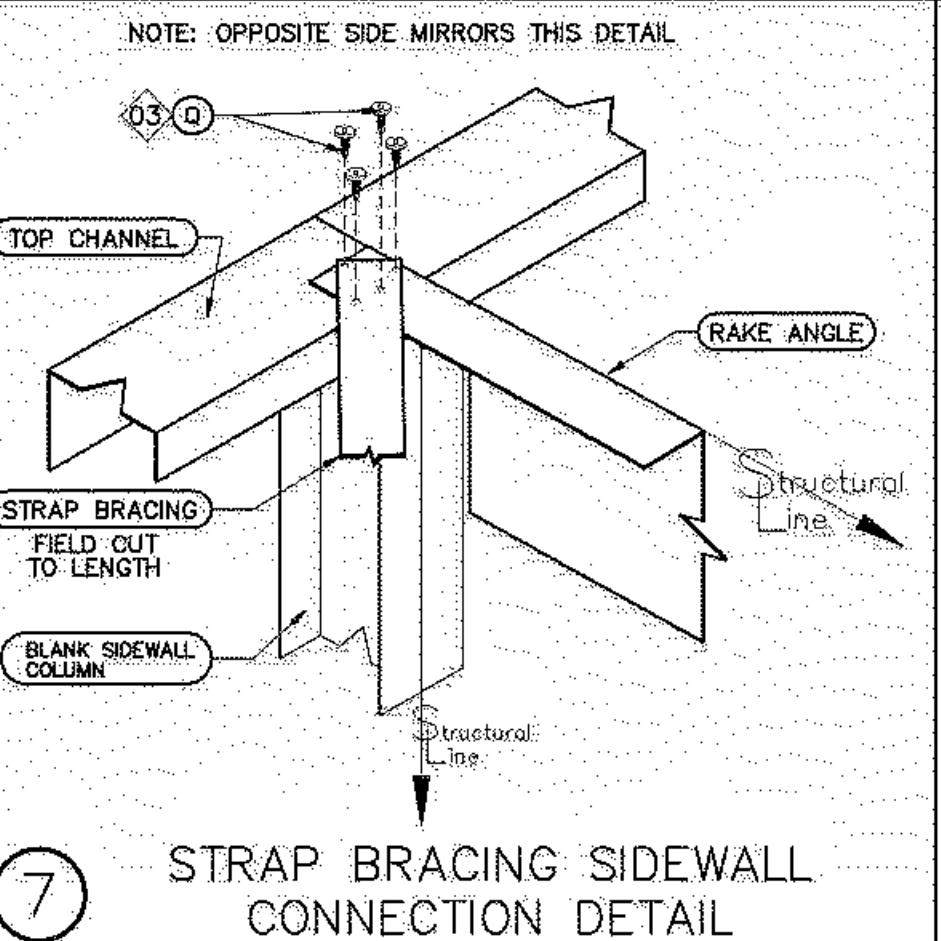
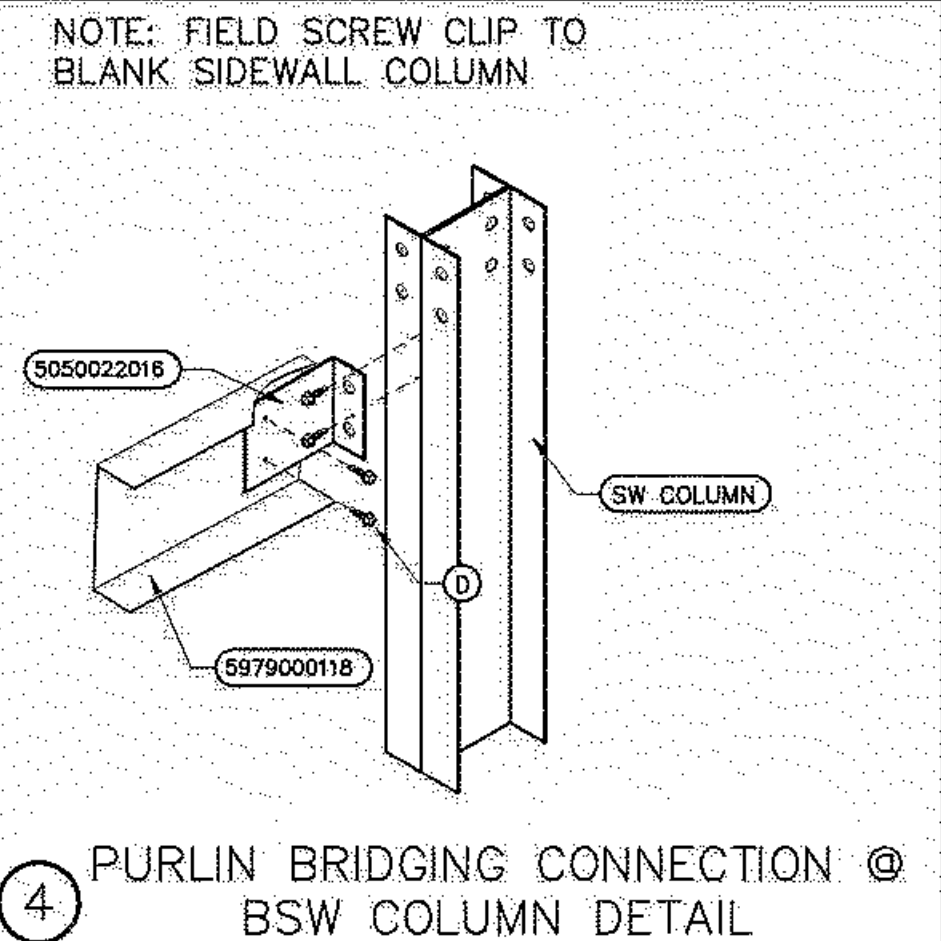
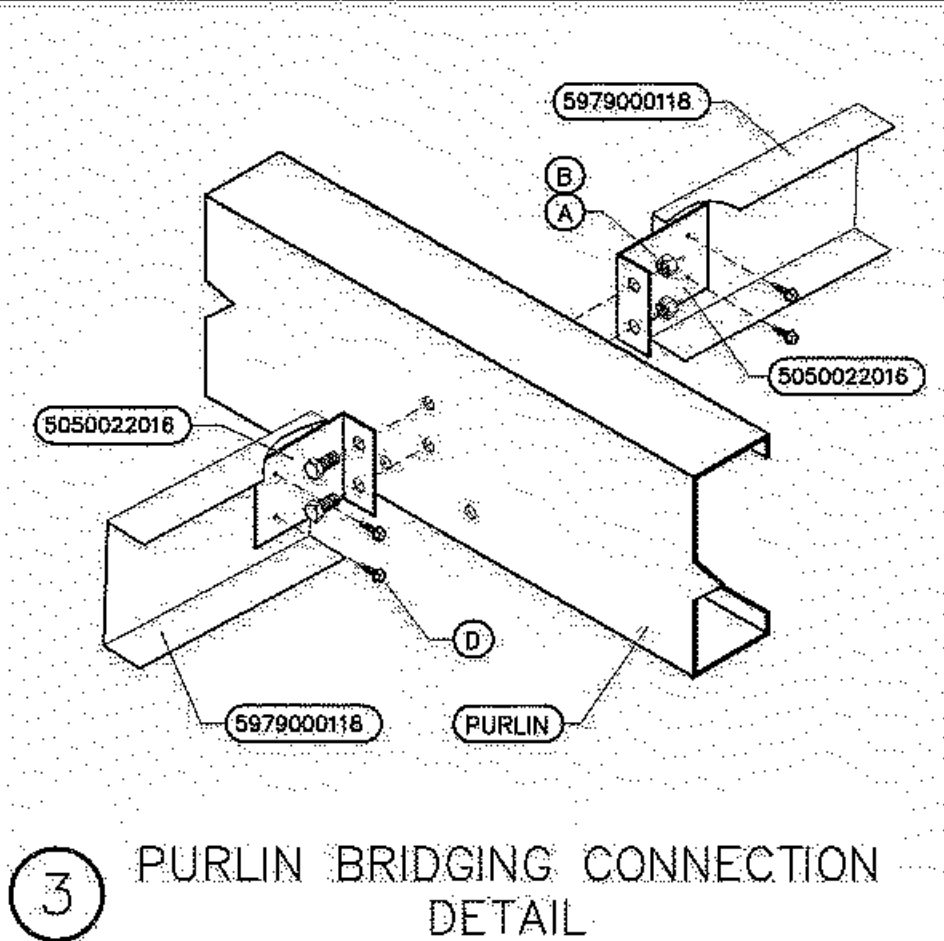
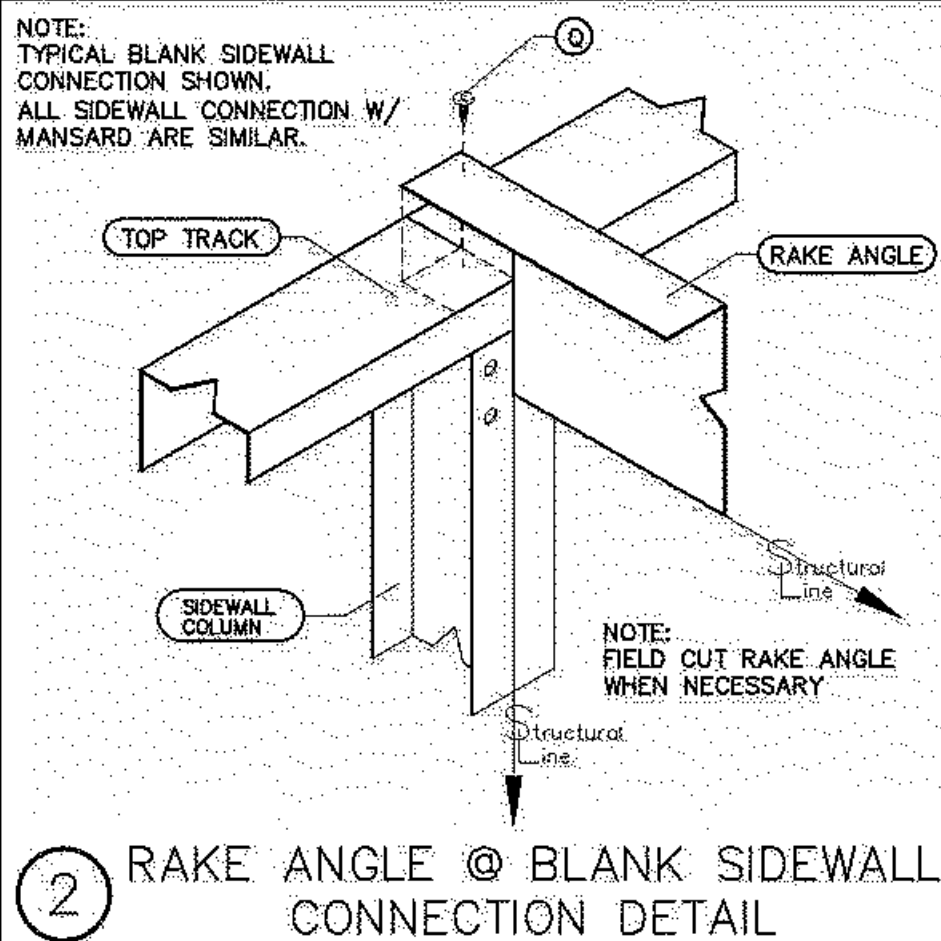
C2.1

PART # INDEX	
PART #	DESCRIPTION
478027600	16ga. strap bracing 23'-0" long
5050022016	16ga. bridging purlin clip
5900006516	16ga. SW span channel 10'-0" long (R-5 sys)
5900006816	16ga. SW span channel 5'-0" long (R-5 sys)
5979000118	18ga. purlin bridging, 4'-9 1/4" long
5987000018	18ga. PT. rake angle, 5' long
5987001118	18ga. PT. rake angle, 21' long
6000000316	16ga. typical purlin, 7" x 3" x 10'-0"
6001000316	16ga. starter purlin, 7" x 3" x 9'-8"
6002000316	16ga. endwall purlin, 7" x 3" x 10'-1.5"
6012000712	12ga. endwall purlin, 12" x 3" x 20'-1.5"

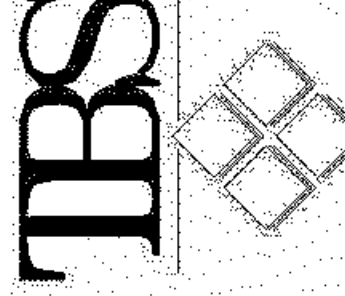
03. **STRAP CROSS BRACING**
FASTEN STRAP WITH (4) #12 X 1.25" SELF DRILLING SCREWS, P/N 760802, AT EACH END. NOTE THE STRAPS MUST BE INSTALLED AFTER WALLS OR ROOF SECTIONS ARE SQUARED & PLUMBED. ALL STRAPS ARE TO BE INSTALLED SO THEY ARE STRAIGHT & TIGHT (UNDER TENSION). REFER TO ROOF PLAN OR FLOOR PLAN FOR EXACT LOCATION AND PLACEMENT OF ALL BRACING.
07. **EAVE SPAN CHANNEL**
WHEN INSTALLING THE EAVE SPAN CHANNELS START WITH A 5' CHANNEL FOLLOWED WITH 10' AND END WITH A 5' EAVE SPAN CHANNEL. CHANNELS WILL OVERLAP AT EACH END. SPAN CHANNELS SHOULD START AND END AT THE MIDPOINT OF A BAY WHENEVER POSSIBLE. SEE ROOF FRAMING PLAN TO DETERMINE WHICH P/N'S TO START & END WITH. INSTALL BOLTS TO SPAN CHANNELS THROUGH TOP TRACKS OR HEADERS @ 2'-0" OC. FIELD CUT EXCESS AT END OF RUN.



ROOF FRAMING PLAN



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AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO
Sheet Title

Date: 9/28/25
Drawn by: JMN
Scale: 1/8" = 1'-0"
Plan No.: P61348
Order No.:
Sheet No.:
Roof Framing Page

C3.0

PART # INDEX	
PART #	DESCRIPTION
102702	sillplate sealer, 3.5" x 25'-0" roll
5910000114	14ga. eave top track, 3.88" x 3.13" x 10' long
5911000114	14ga. EXT. wall base track 3.88" x 10' long
5985000116	16ga. EXT. girt, 9'-11 1/4" long
5985000316	16ga. EXT. girt, 9'-8" long
5994000218	18ga. BSW column, 3.63" x 1.5", 9-4EV

PRIMARY CONCRETE ANCHOR INSTALLATION

- 1) USING THE PROPER DRILL BIT SIZE, DRILL A HOLE INTO THE BASE MATERIAL TO THE REQUIRED DEPTH. THE TOLERANCES OF THE DRILL BIT USED SHOULD MEET THE REQUIREMENTS OF ANSI STANDARD B212.15.
- 2) REMOVE DUST AND DEBRIS FROM HOLE DURING DRILLING (E.G. DUST EXTRACTOR, HOLLOW BIT) OR FOLLOWING DRILLING (E.G. SUCTION, FORCED AIR) TO EXTRACT LOOSE PARTICLES CREATED DURING DRILLING.
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- 4) DRIVE THE ANCHOR INTO THE HOLE UNTIL THE HEAD OF THE ANCHOR COMES INTO CONTACT WITH THE FIXTURE. THE ANCHOR MUST BE SNUG AFTER INSTALLATION. DO NOT SPIN THE HEX SOCKET OFF THE ANCHOR TO DISENGAGE.

STARTER BAY

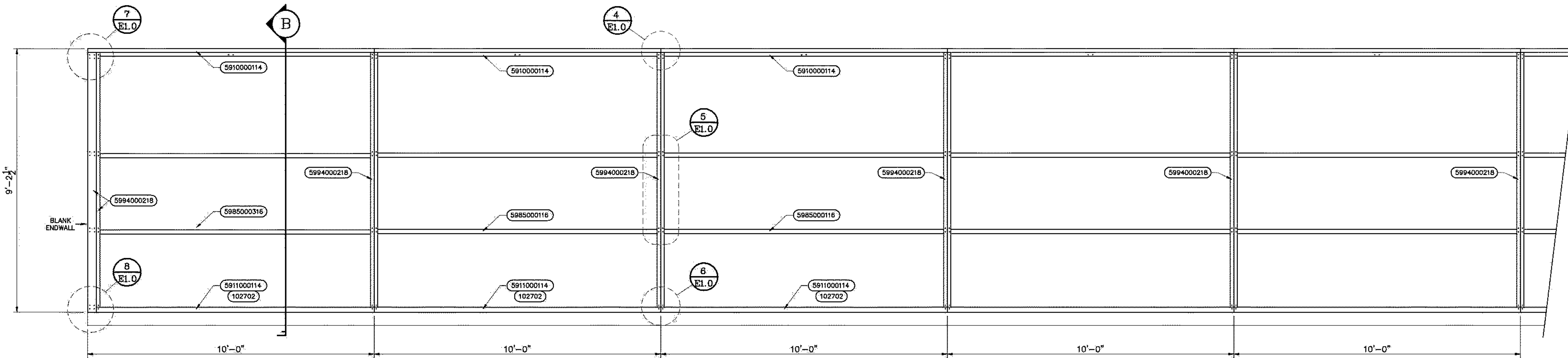
A STARTER BAY IS A BAY WHERE 2 ROWS OF COLUMNS FALL IN-BETWEEN THE 10' STRUCTURAL LINES OF THE FLOOR PLAN LAYOUT. TYPICAL 10' BAYS WILL ONLY HAVE ONE ROW OF COLUMNS WITHIN THE 10' STRUCTURAL LINES. THERE IS ALWAYS AT LEAST ONE 10' STARTER BAY. THERE MAY BE MORE THAN ONE IF YOUR BUILDING HAS CORRIDORS. THESE AREAS WILL BE MARKED AS A "STARTER BAY" ON THE FLOOR PLAN AND SIDE WALL PAGES. IT IS CRITICAL THAT THE STARTER BAY BE ERECTED CORRECTLY.

EAVE SPAN CHANNEL

WHEN INSTALLING THE EAVE SPAN CHANNELS START WITH A 5' CHANNEL FOLLOWED WITH 10' AND END WITH A 5' EAVE SPAN CHANNEL. CHANNELS WILL OVERLAP AT EACH END. SPAN CHANNELS SHOULD START AND END AT THE MIDPOINT OF A BAY WHENEVER POSSIBLE. SEE ROOF FRAMING PLAN TO DETERMINE WHICH P/N'S TO START & END. WITH, INSTALL BOLTS TO SPAN CHANNELS THROUGH TOP TRACKS OR HEADERS @ 2'-0" OC. FIELD CUT EXCESS AT END OF RUN.

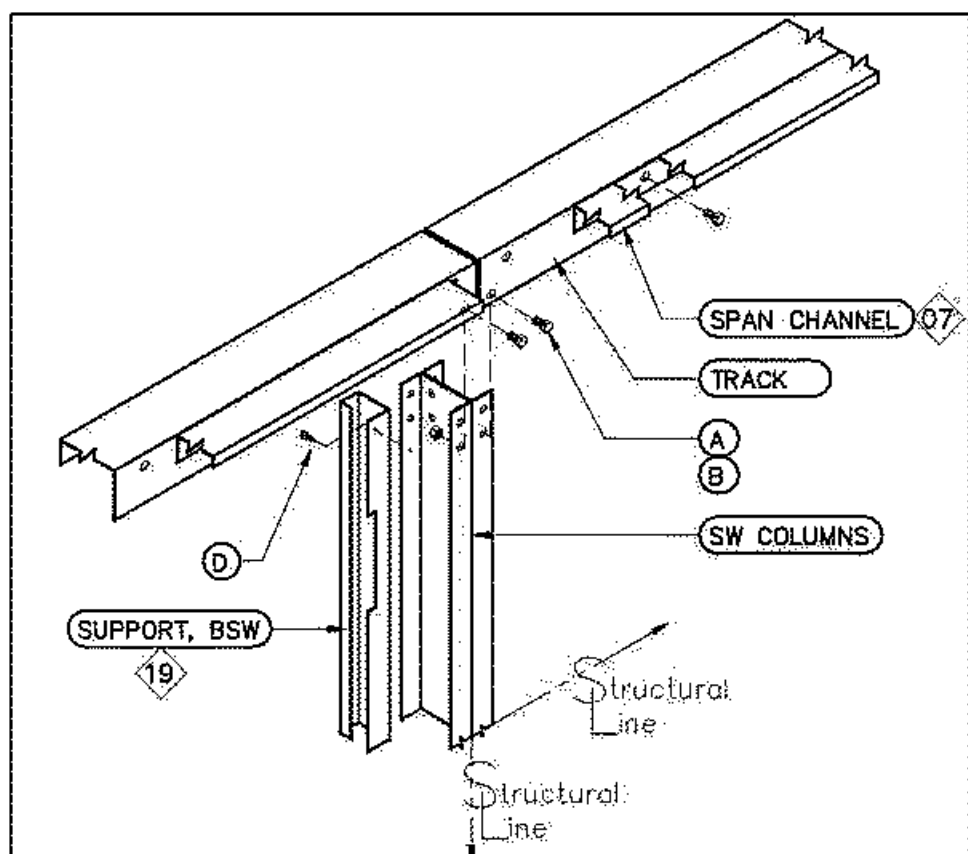
PARTITION SUPPORT AT BLANK WALL

BLANK SIDEWALL PARTITION SUPPORT IS ONLY REQUIRED WHERE AN INTERIOR PARTITION PANEL WALL INTERSECTS WITH THE BLANK SIDEWALL. REVIEW YOUR FLOOR PLAN FOR LOCATION AND QUANTITY OF BLANK SIDEWALL SUPPORTS. THE BLANK SIDEWALL SUPPORT MAY NEED TO BE FIELD CUT TO THE PROPER HEIGHT. INSULATED SIDEWALLS WILL USE A ZEE SHAPED SUPPORT, DIFFERENT FROM THE ONE SHOWN. SEE INSULATION DETAILS IF YOU HAVE INSULATED SIDEWALLS. SEE FLOOR PLAN FOR PARTITION CHANNEL PART NUMBERS.

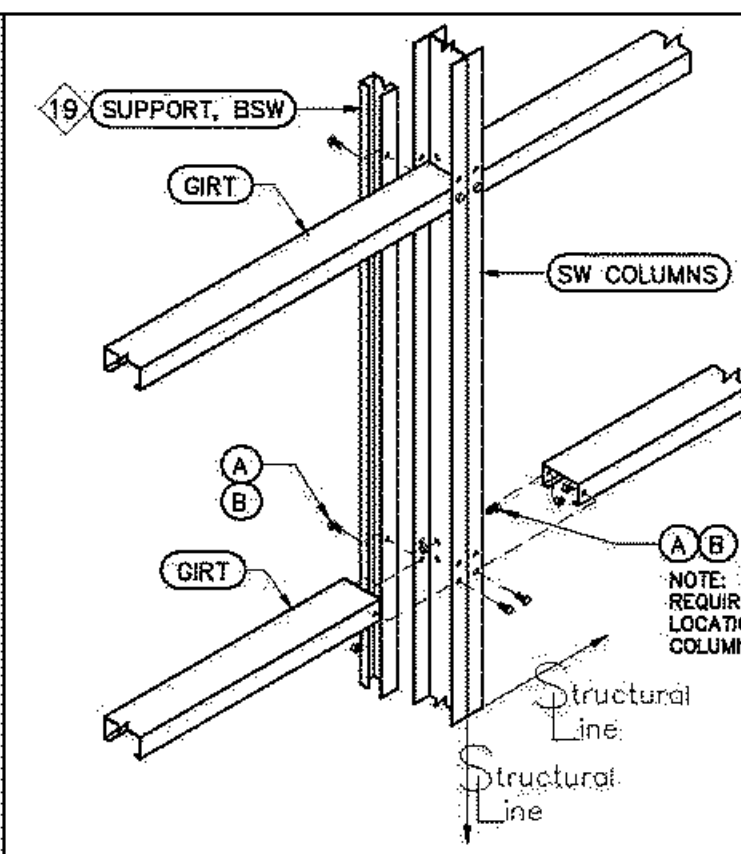


A SIDEWALL FRAMING ELEVATION (INTERIOR VIEW)

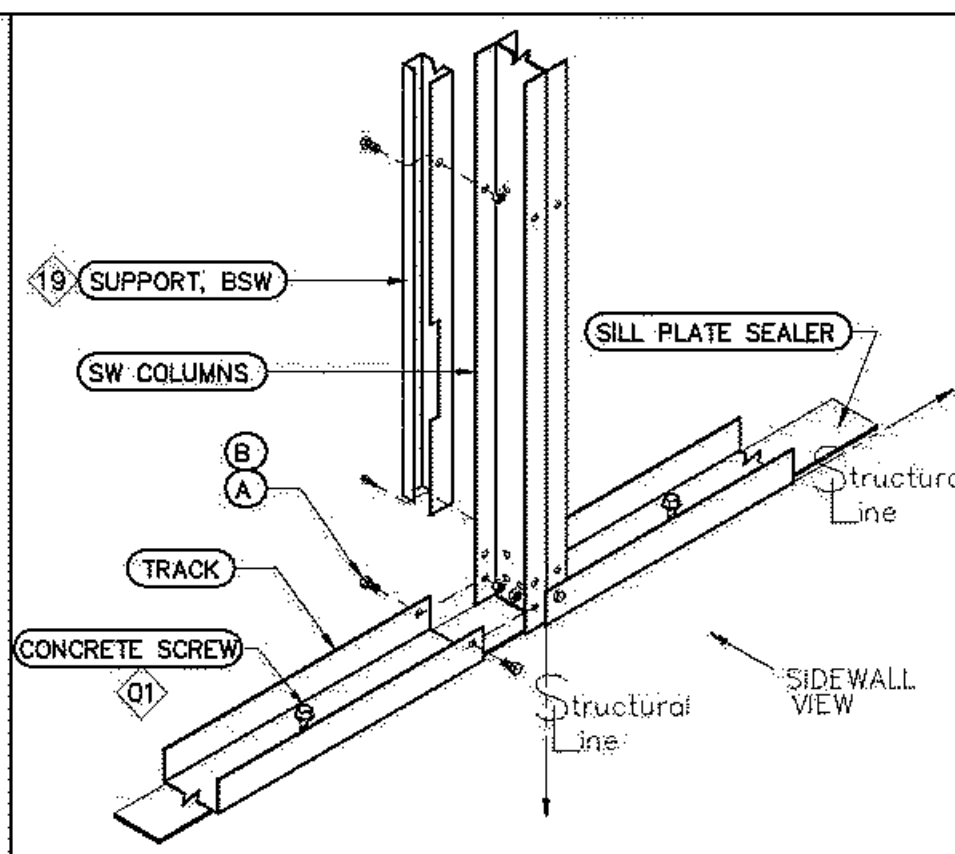
STARTER BAY



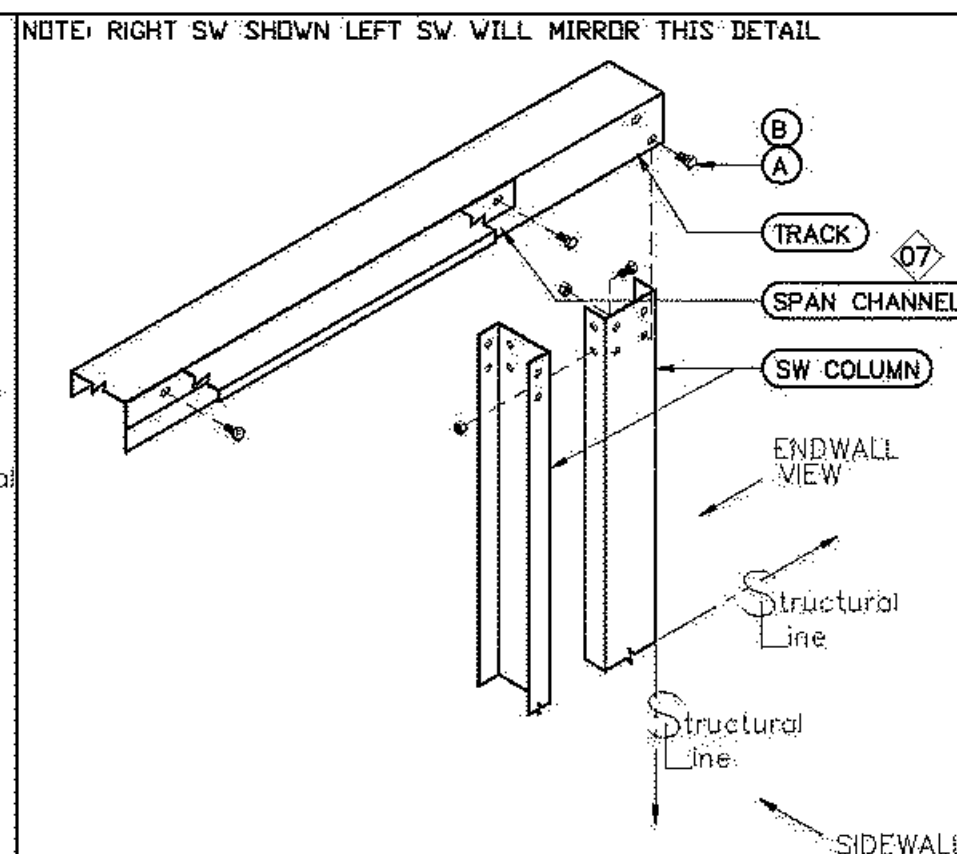
4 BLANK SW COLUMNS TO EAVE TRACK CONNECTION



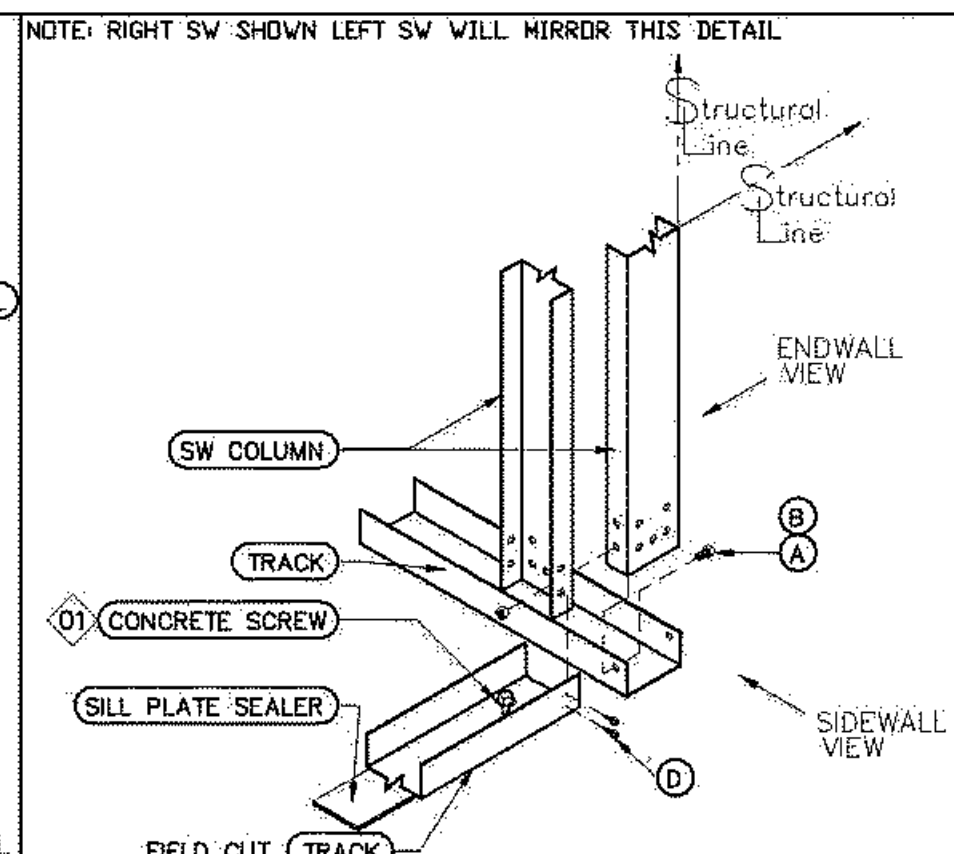
5 BLANK SW COLUMNS TO GIRTS CONNECTION



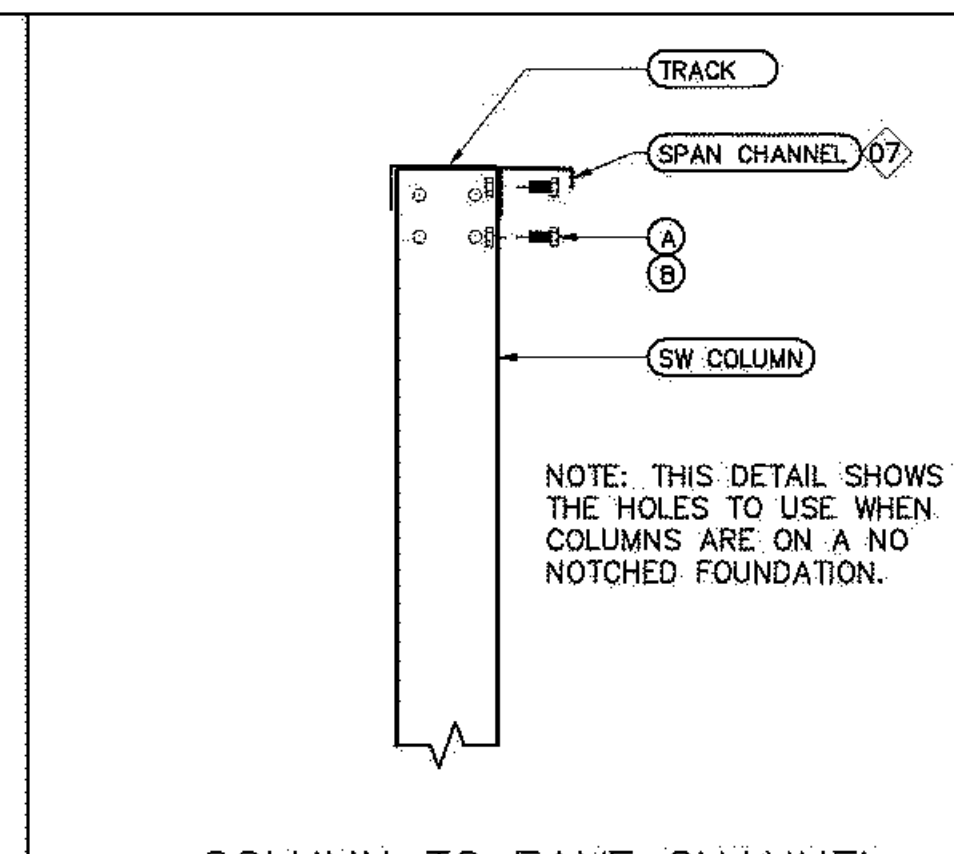
6 BLANK SW COLUMNS TO TRACK CONNECTION



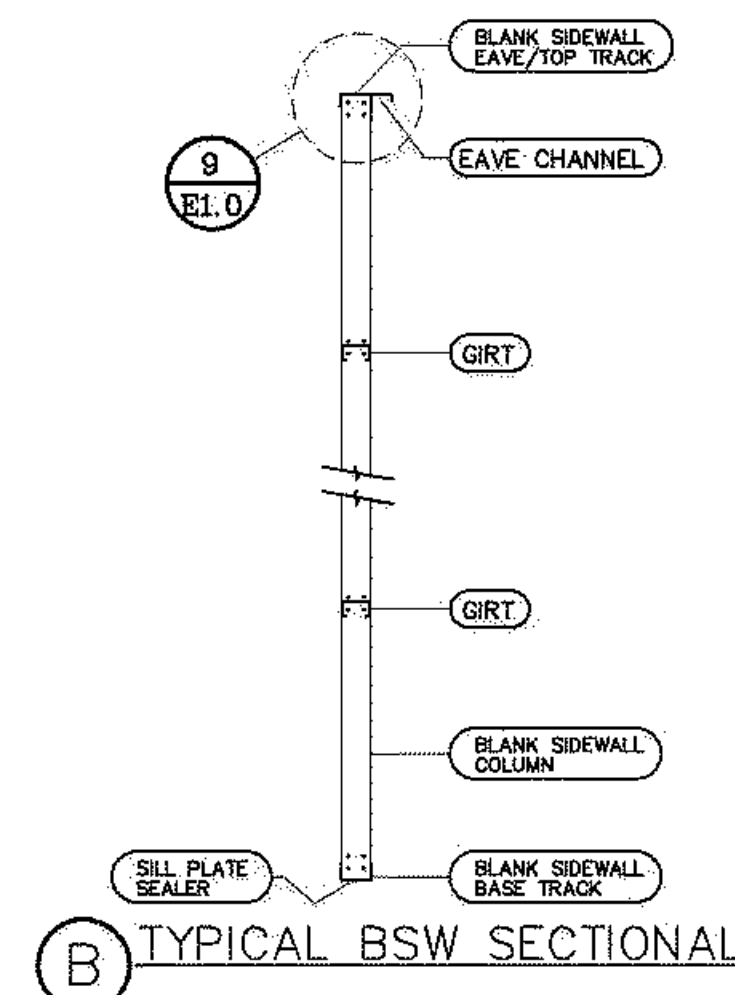
7 BLANK SW TO BLANK EW CONNECTION



8 BLANK SW TO BLANK EW TRACK CONNECTION



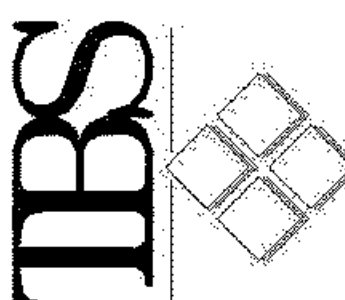
9 COLUMN TO EAVE CHANNEL CONNECTION (NO NOTCH)



B TYPICAL BSW SECTIONAL



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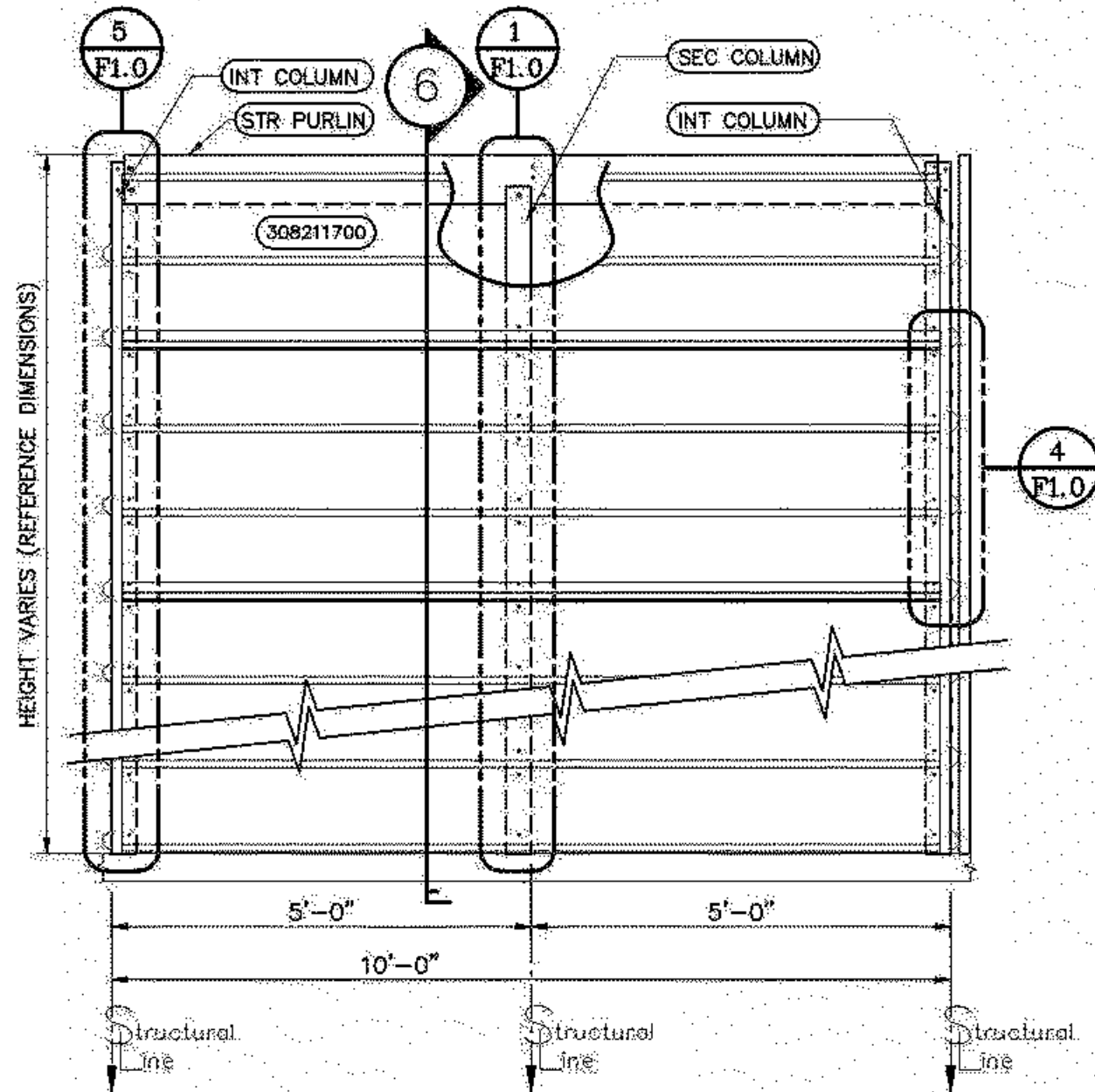


AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO

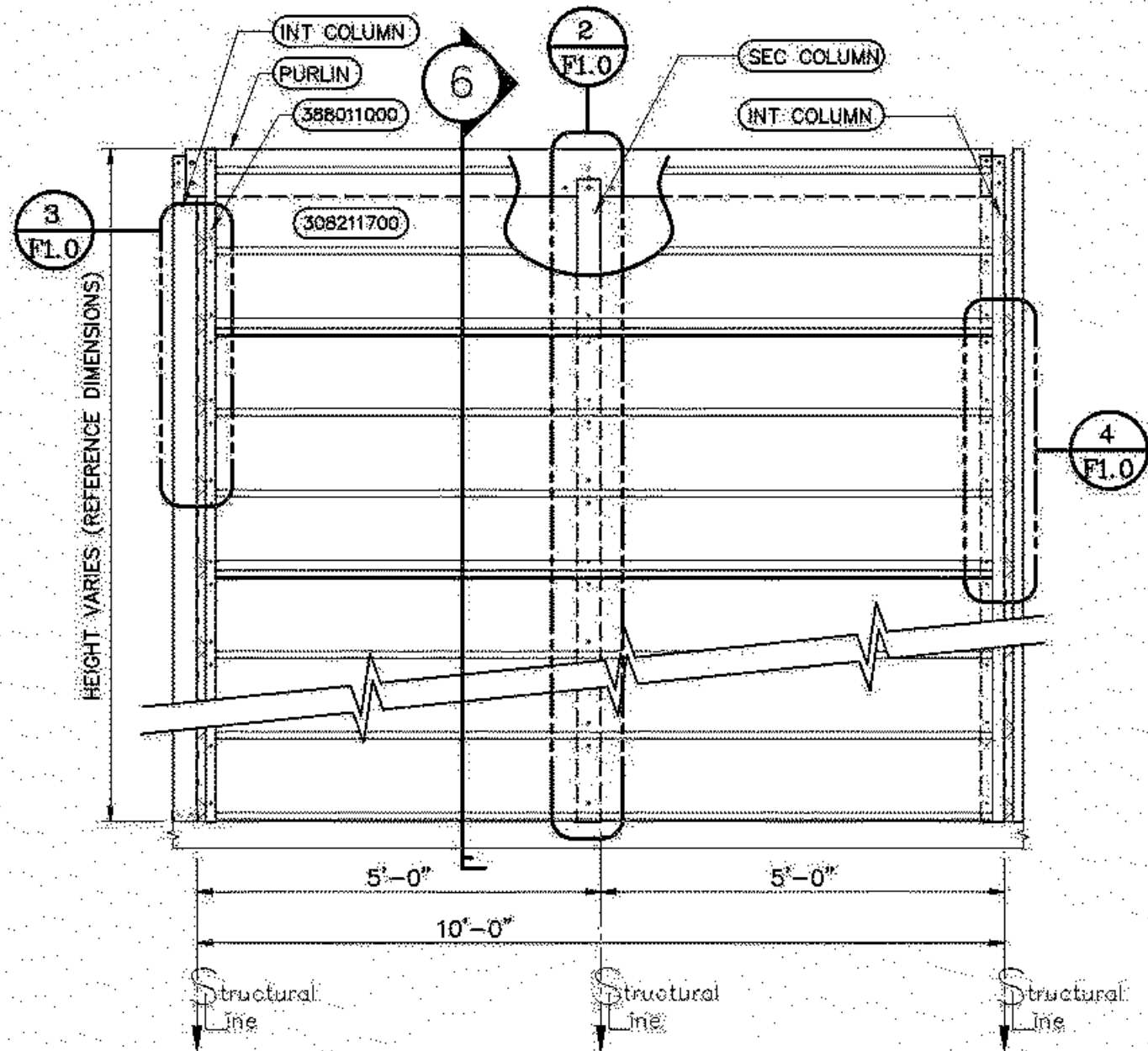
Date: 9/26/25
Drawn by: JMN
Scale: 1/2" = 1'-0"
Plan No.: P61348
Order No.:
Sheet No.:
Sheet Title: SIDEWALL FRAMING DETAILS & ELEVATION

E1.0

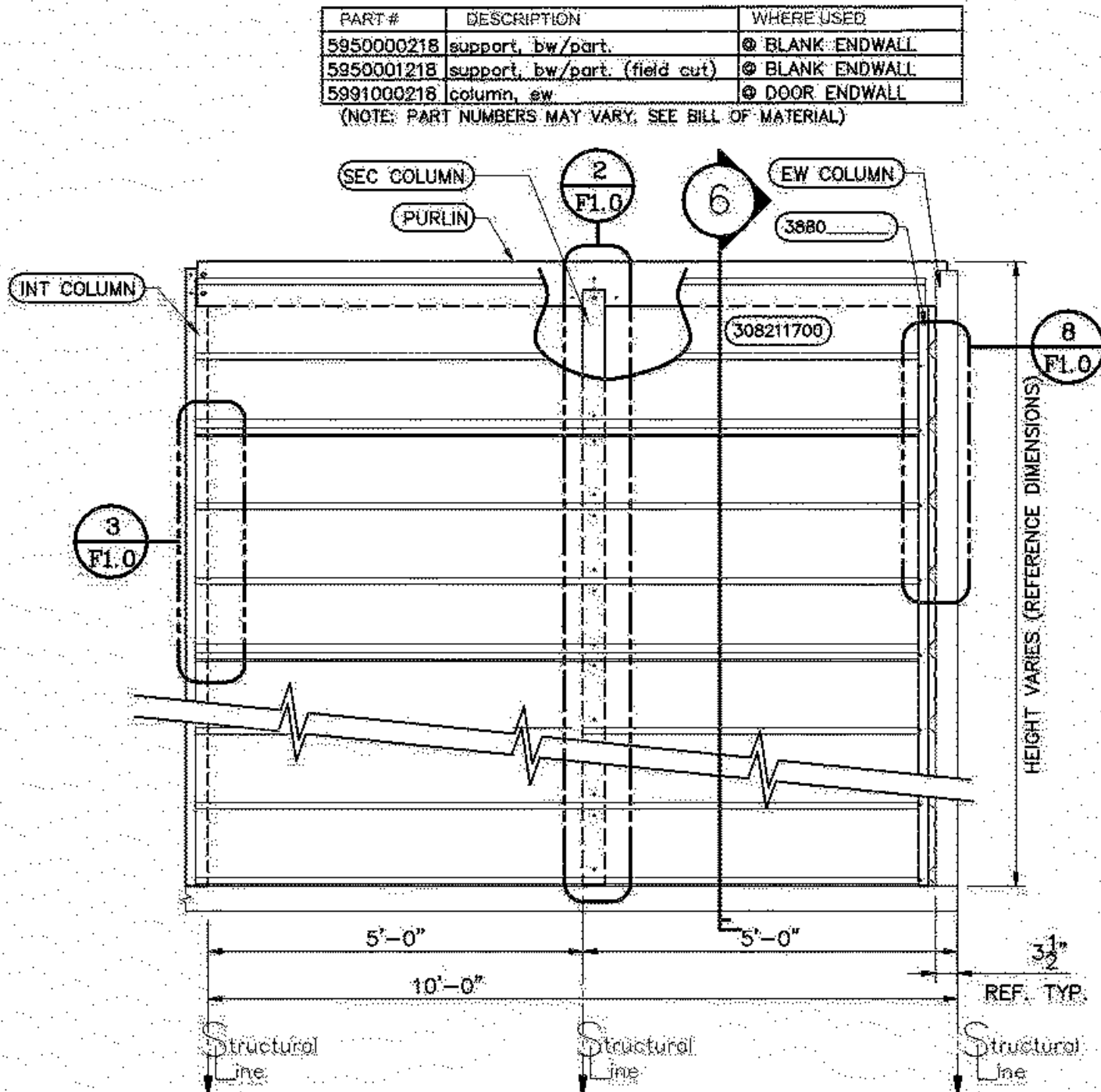
PART # INDEX	
PART #	DESCRIPTION
308211700	29ga. PT. panel, 9'-9" long
3880	18ga. partition channel 0.00" long
388011000	18ga. partition channel 9'-2" long



A 10' LONGITUDINAL PARTITION WALL



B 10' LONGITUDINAL PARTITION WALL



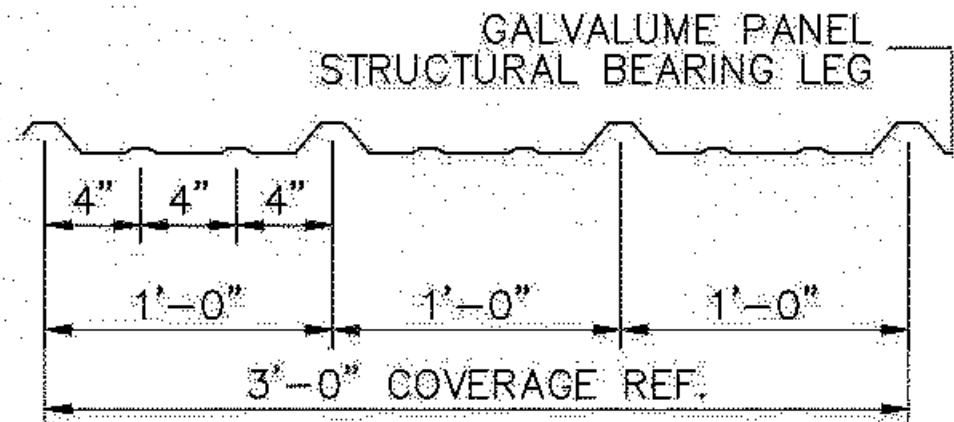
C 10' LONGITUDINAL PARTITION WALL

PARTITION CHANNEL 9-4		
FT/IN	PART #	QTY
5' /EV	388011000	1.0
10' /EV	388011000	1.0
15' /EV	388011000	1.0
20' /EV	388011000	1.0
25' /EV	388011000	1.0
30' /EV	388011000	1.0
35' /EV	388011000	1.0

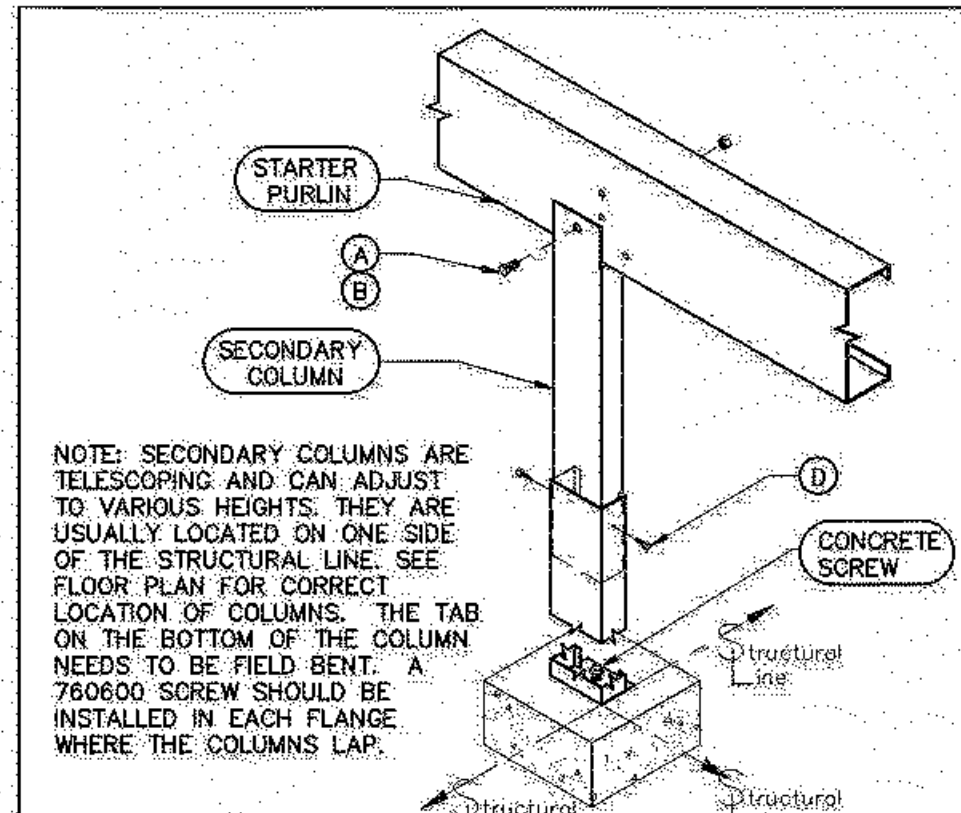
NOTE: ABOVE IS THE REQUIRED PARTITION CHANNEL PART #S AND QUANTITY AT EVERY FT. / EV.

LONGITUDINAL PARTITION PANELS 9-4		
LOC.	HEIGHT	QTY
6' /EV	113.25	3.0
10' /EV	114.5	3.0
15' /EV	115.75	3.0
20' /EV	117	3.5
25' /EV	118.25	3.5
30' /EV	119.5	3.5
35' /EV	120.75	3.5

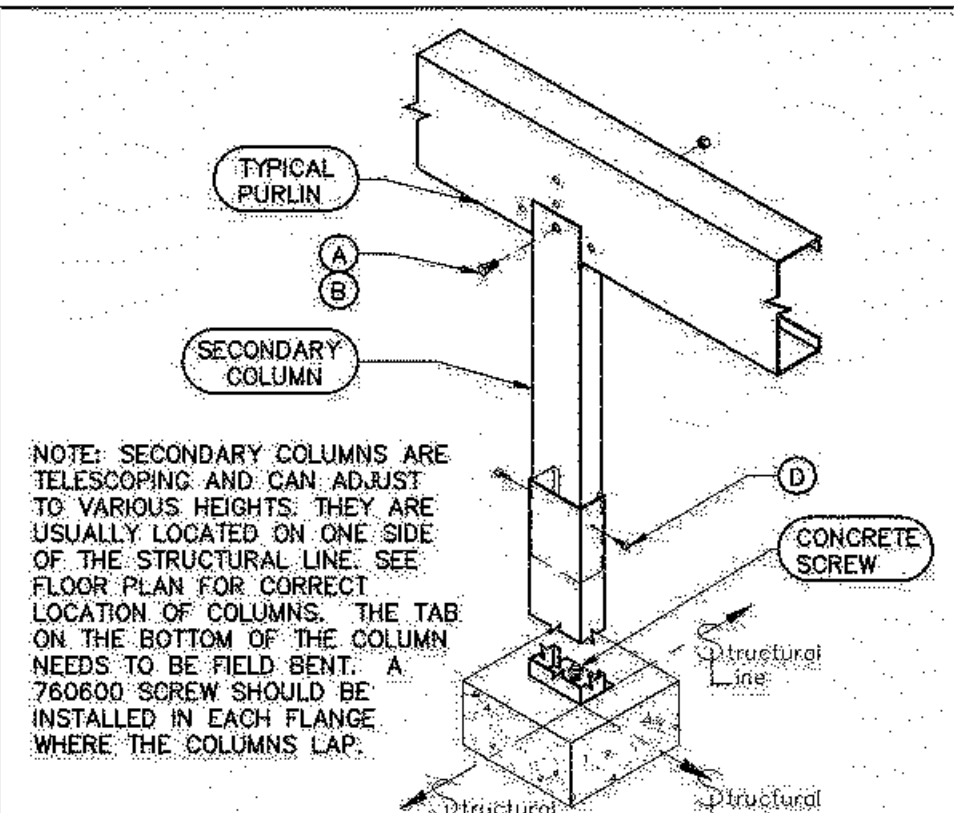
NOTE: SHOWN ABOVE IS THE REQUIRED SHEETS OF PARTITION PANELS FOR INSTALLATION (COVERING ONLY THE END BAY). YOU WILL COME UP SHORT PANEL IF YOU HAVE LAR PANEL AT 15' SPACES.



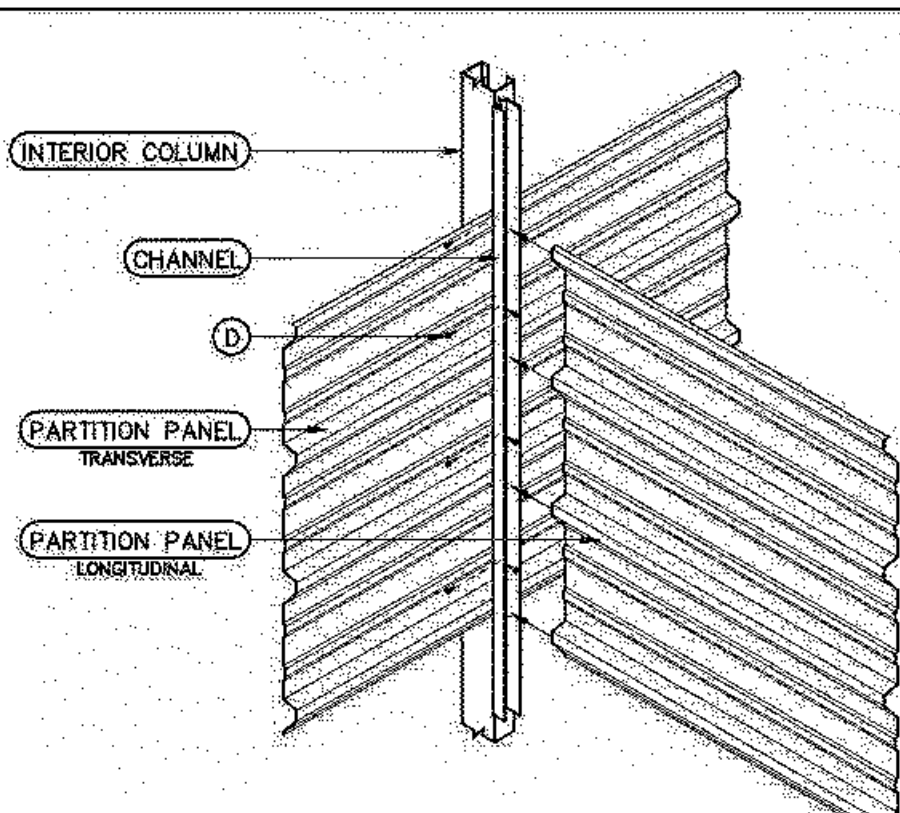
TRACHTE PARTITION PANEL PROFILE



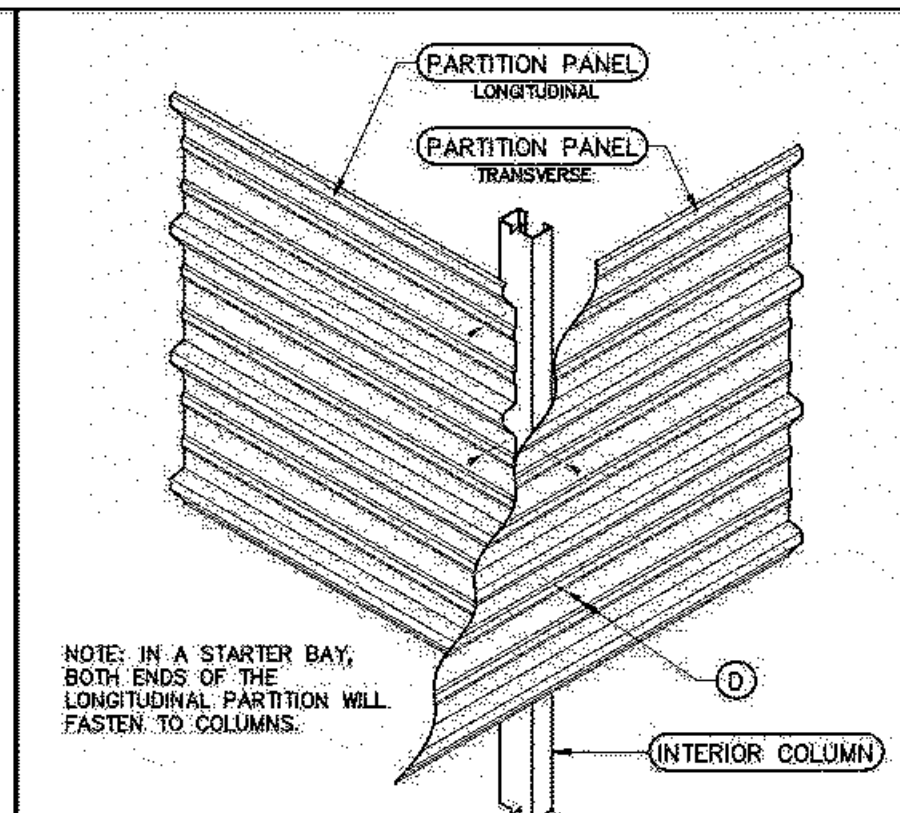
1 SECONDARY COLUMN CONNECTION @ STARTER BAY



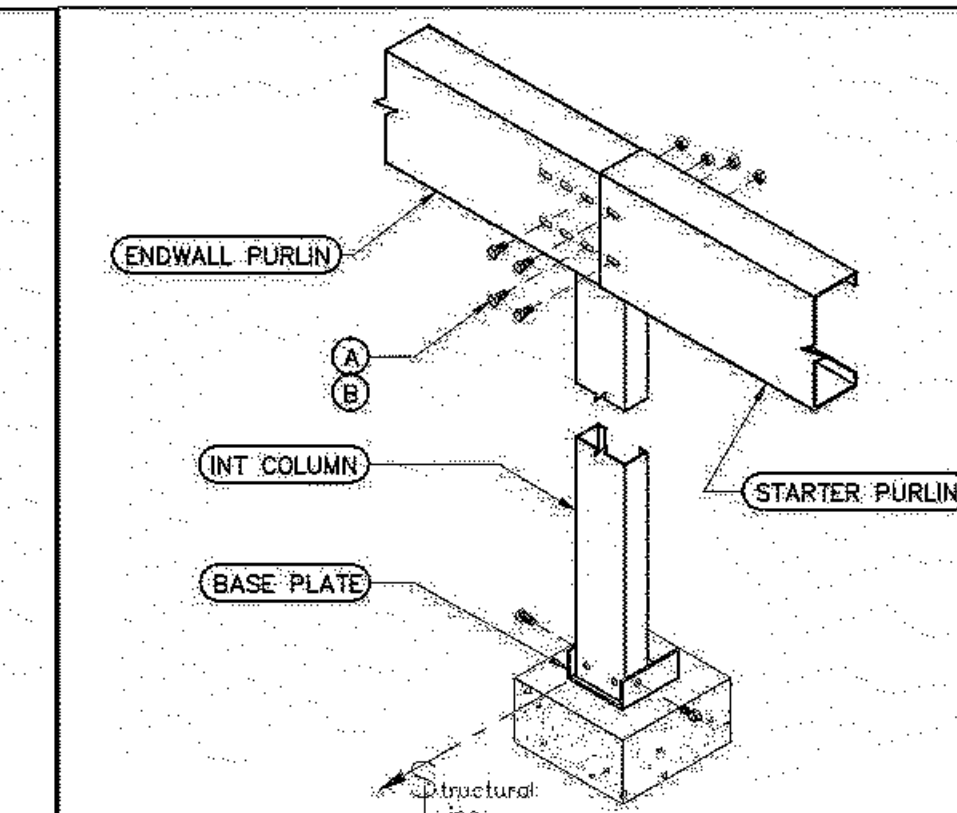
2 SECONDARY COLUMN CONNECTION @ TYPICAL BAY



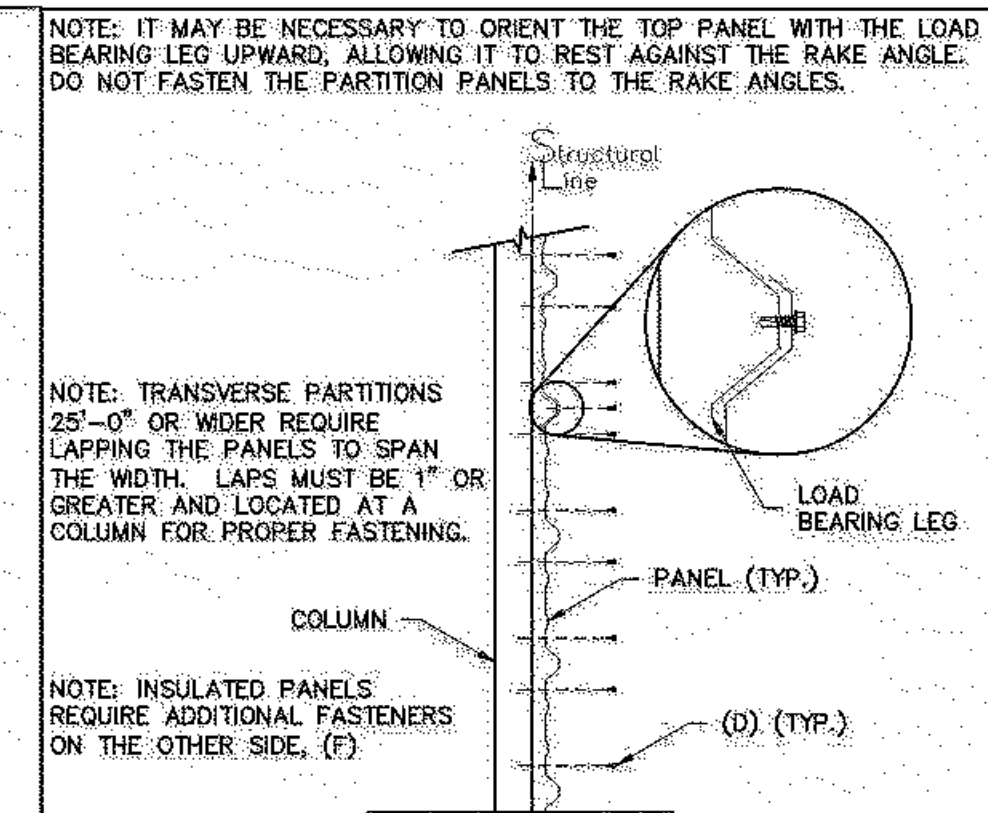
3 PARTITION PANEL TO CHANNEL @ TYPICAL BAY



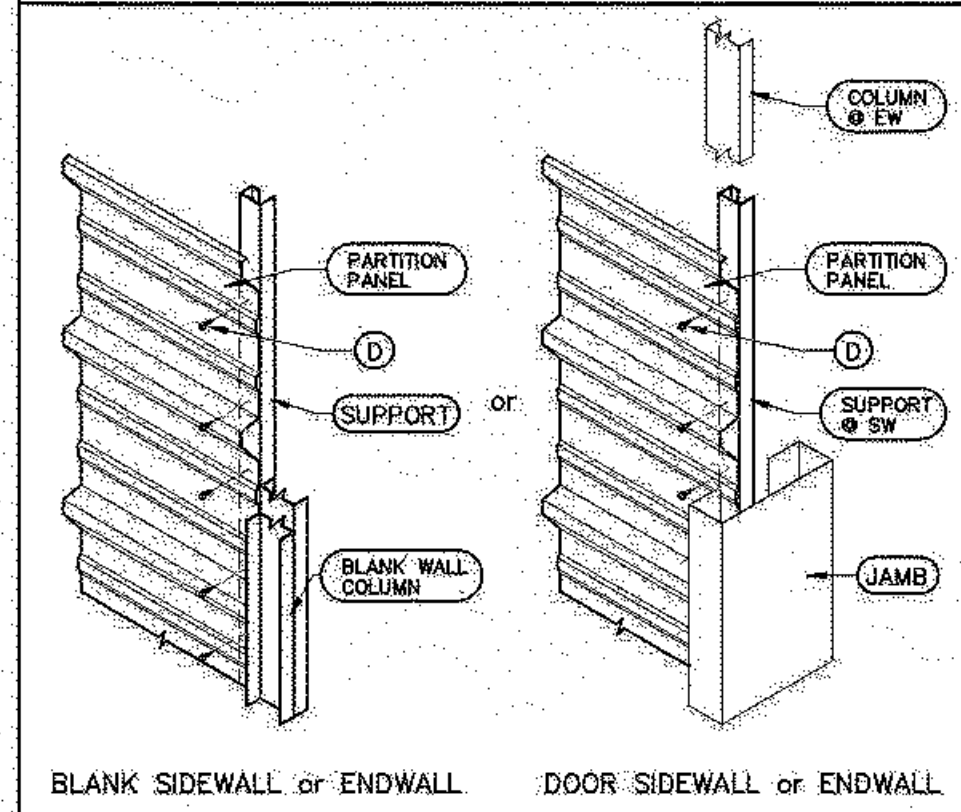
4 PARTITION PANEL TO COLUMN CONNECTION



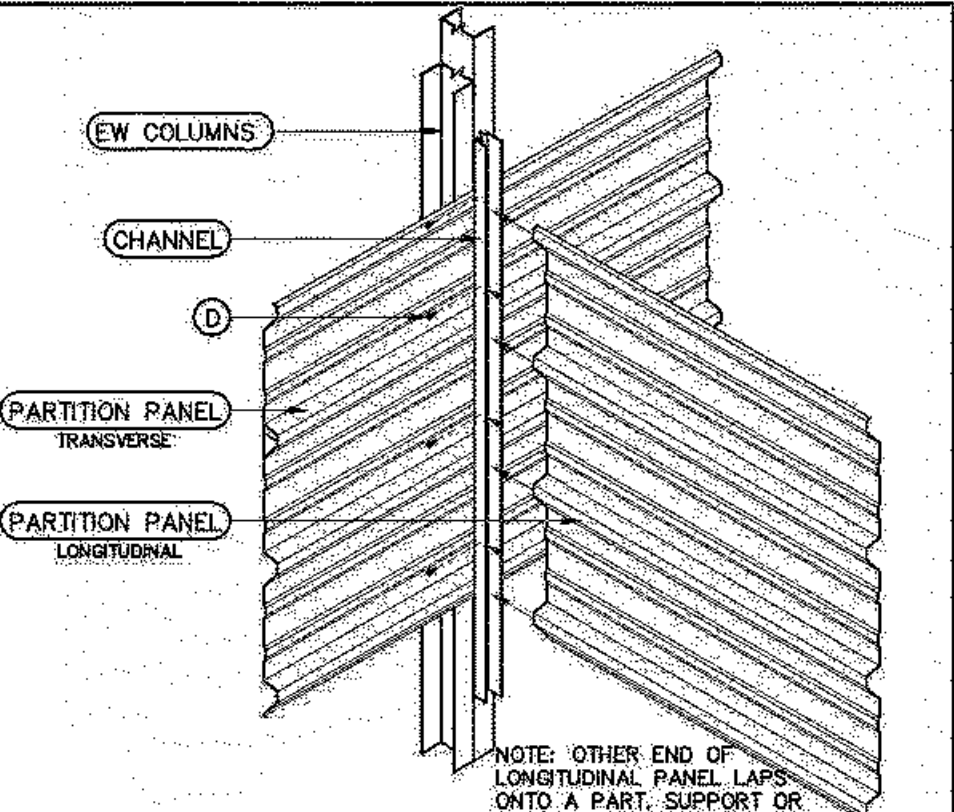
5 INTERIOR COLUMN CONNECTION @ STARTER BAY



6 PARTITION PANEL FASTENING



7 PARTITION PANEL EXTERIOR CONNECTION

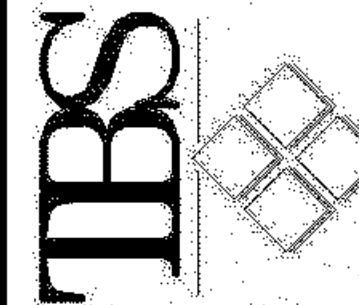


8 PARTITION PANEL TO COLUMN CONNECTION

REVISION	Rev. Date

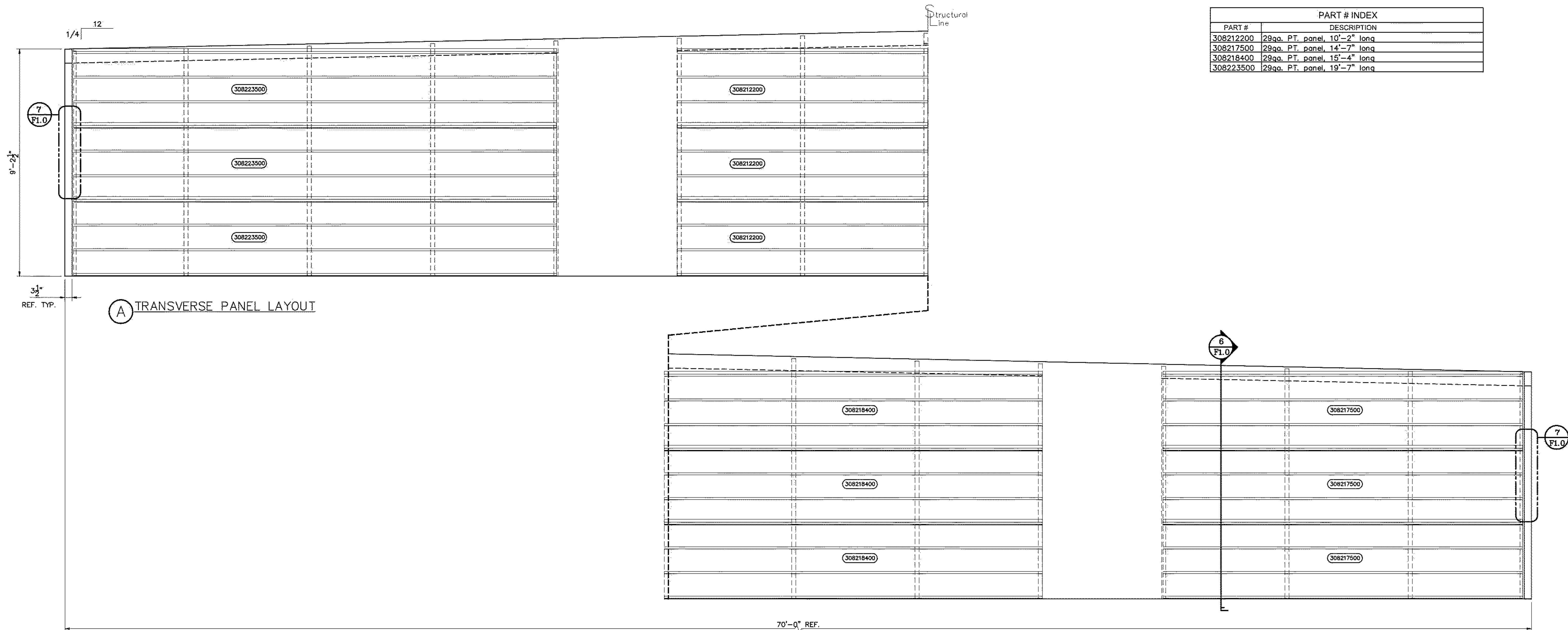


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AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO
INT. PART. WALL DETAILS & ELEVATIONS

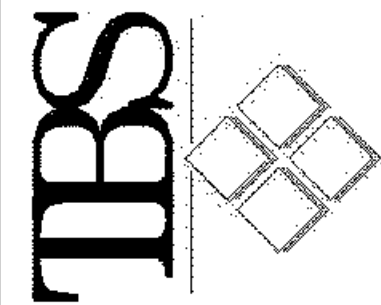
Date: 9/28/25
Drawn by: JMN
Scale: 1/2" = 1'-0"
Plan No.: P61348
Order No.:
Sheet No.: F1.0



PART # INDEX	
PART #	DESCRIPTION
308212200	29ga. PT. panel, 10'-2" long
308217500	29ga. PT. panel, 14'-7" long
308218400	29ga. PT. panel, 15'-4" long
308223500	29ga. PT. panel, 19'-7" long



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AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO
INT. PART. WALL ELEVATIONS

Date 9/26/25
Drawn by JMN
Scale 1/2" = 1'-0"
Plan No. P61348
Order No. --
Sheet No. --

WHEN INSTALLING THE EAVE SPAN CHANNELS START WITH A 5' CHANNEL FOLLOWED WITH 10' AND END WITH A 5' EAVE SPAN CHANNEL. CHANNELS WILL OVERLAP AT EACH END. SPAN CHANNELS SHOULD START AND END AT THE MIDPOINT OF A BAY WHENEVER POSSIBLE. SEE ROOF FRAMING PLAN TO DETERMINE WHICH P/N'S TO START & END WITH. INSTALL BOLTS TO SPAN CHANNELS THROUGH TOP TRACKS OR HEADERS @ 2'-0" OC. FIELD CUT EXCESS AT END OF RUN.

PROVIDED COMPONENTS OFTEN REQUIRE FIELD CUTTING. TO ENSURE AN APPROPRIATE APPEARANCE AND MINIMIZE CAULK REQUIRED, USE ACCURATE MEASUREMENTS AND QUALITY TOOLS FOR FIELD CUTS. SILL TRIM OFTEN REQUIRES NOTCHING TO AVOID CONFLICTS WITH FASTENERS. LAP JOINTS SHOULD BE ARRANGED TO SHED WATER FROM OVERHEAD OR PREVAILING WIND DIRECTION.

EXTERIOR A-PANEL
FIELD CUT FIRST PANEL TO REMOVE FIRST RIB IN ORDER TO MISS THE BOLT HEADS WITH THE PANEL SCREWS. ENSURE THAT THE PANEL RIBS ARE OFFSET FROM THE 1'-0" GRID LINE.

WHEN JOINING SILL TRIM TO SILL TRIM: OVERLAP PARTS 2" MAX. ADD SEALANT TO LAP JOINT OF SILL TRIMS.



72.0

PART # INDEX	
PART #	DESCRIPTION
17XX11200	exterior wall panel, 9'-4", COLORED
17XX11300	exterior wall panel, 9'-5", COLORED
17XX11600	exterior wall panel, 9'-8", COLORED
17XX11900	exterior wall panel, 9'-11", COLORED
32XY19200	rake trim, ACCENT COLOR, 16'-0" long
42XX12200	26ga. sill trim, COLORED, 10'-2" long
43XX12000	26ga. CNR. trim panel/panel, COLORED, 10'-0"
50450071XX	26ga. header "J", 1"x 1.38"x 6", COLORED
50450072XX	26ga. jamb "J", 1"x 1.38"x 7'-6", COLORED
50450110XY	26ga. eave trim (baw), 10'-2", ACCENT COLOR
779341	peak box, 1/4:12 & 1/2:12 pitch

07 EAVE SPAN CHANNEL

WHEN INSTALLING THE EAVE SPAN CHANNELS START WITH A 5' CHANNEL FOLLOWED WITH 10' AND END WITH A 5' EAVE SPAN CHANNEL. CHANNELS WILL OVERLAP AT EACH END. SPAN CHANNELS SHOULD START AND END AT THE MIDPOINT OF A BAY WHENEVER POSSIBLE. SEE ROOF FRAMING PLAN TO DETERMINE WHICH P/N'S TO START & END WITH. INSTALL BOLTS TO SPAN CHANNELS THROUGH TOP TRACKS OR HEADERS @ 2'-0" OC. FIELD CUT EXCESS AT END OF RUN.

08 FIELD CUTTING

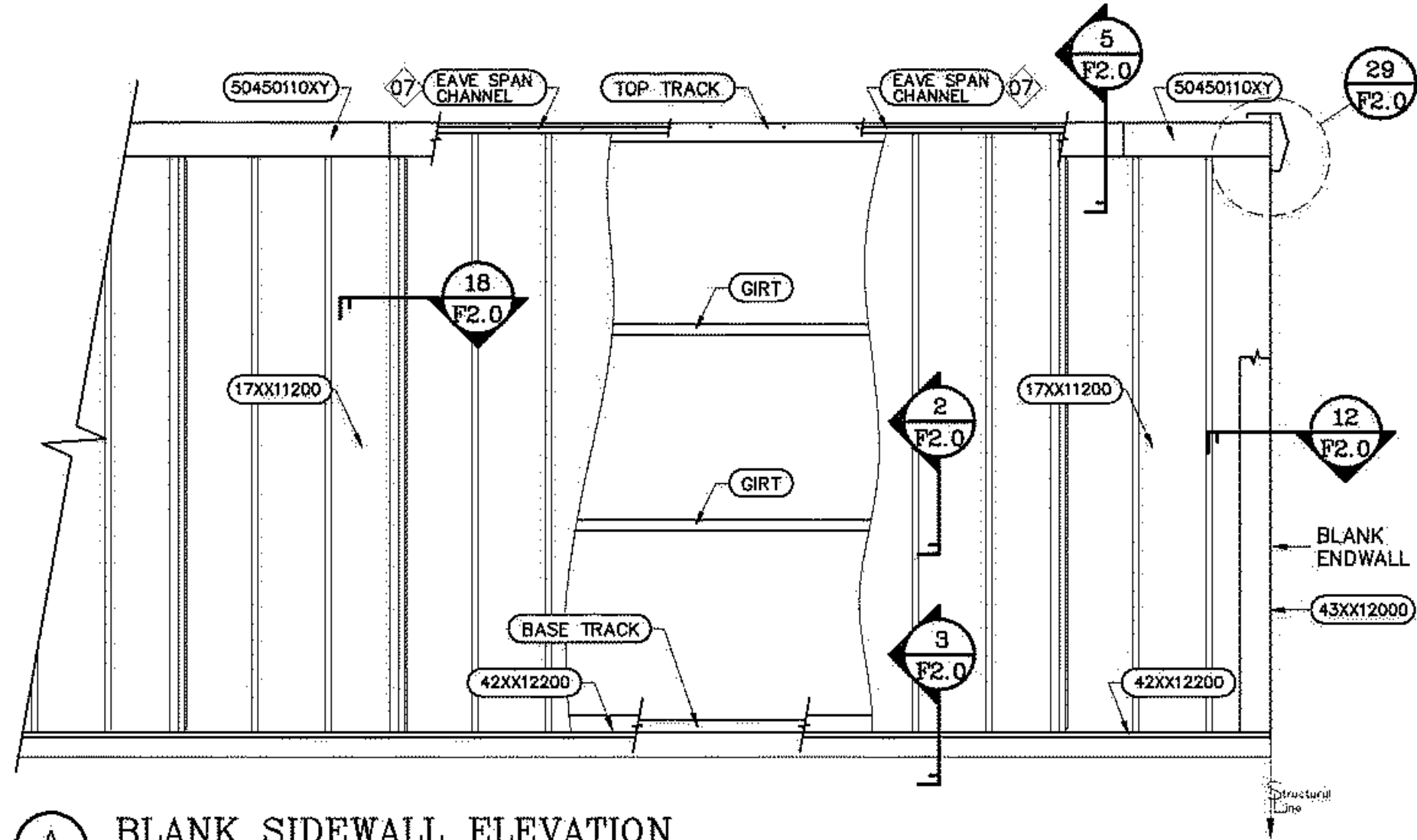
PROVIDED COMPONENTS OFTEN REQUIRE FIELD CUTTING. TO ENSURE AN APPROPRIATE APPEARANCE AND MINIMIZE CAULK REQUIRED, USE ACCURATE MEASUREMENTS AND QUALITY TOOLS FOR FIELD CUTS. SILL TRIM OFTEN REQUIRES NOTCHING TO AVOID CONFLICTS WITH FASTENERS. LAP JOINTS SHOULD BE ARRANGED TO SHED WATER FROM OVERHEAD OR PREVAILING WIND DIRECTION.

78 EXTERIOR A-PANEL

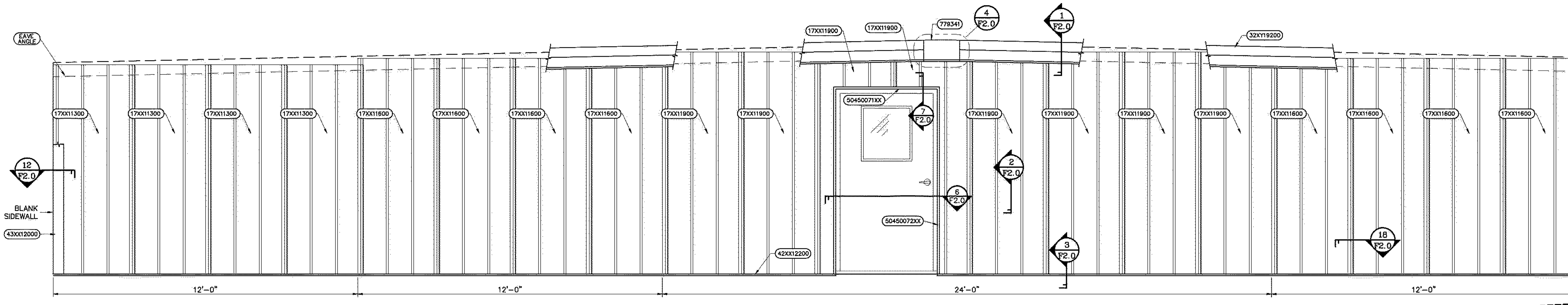
FIELD CUT FIRST PANEL TO REMOVE FIRST RIB IN ORDER TO MISS THE BOLT HEADS WITH THE PANEL SCREWS. ENSURE THAT THE PANEL RIBS ARE OFFSET FROM THE 1'-0" GRID LINE.

128 SILL TRIM LAP JOINT DIRECTIONS

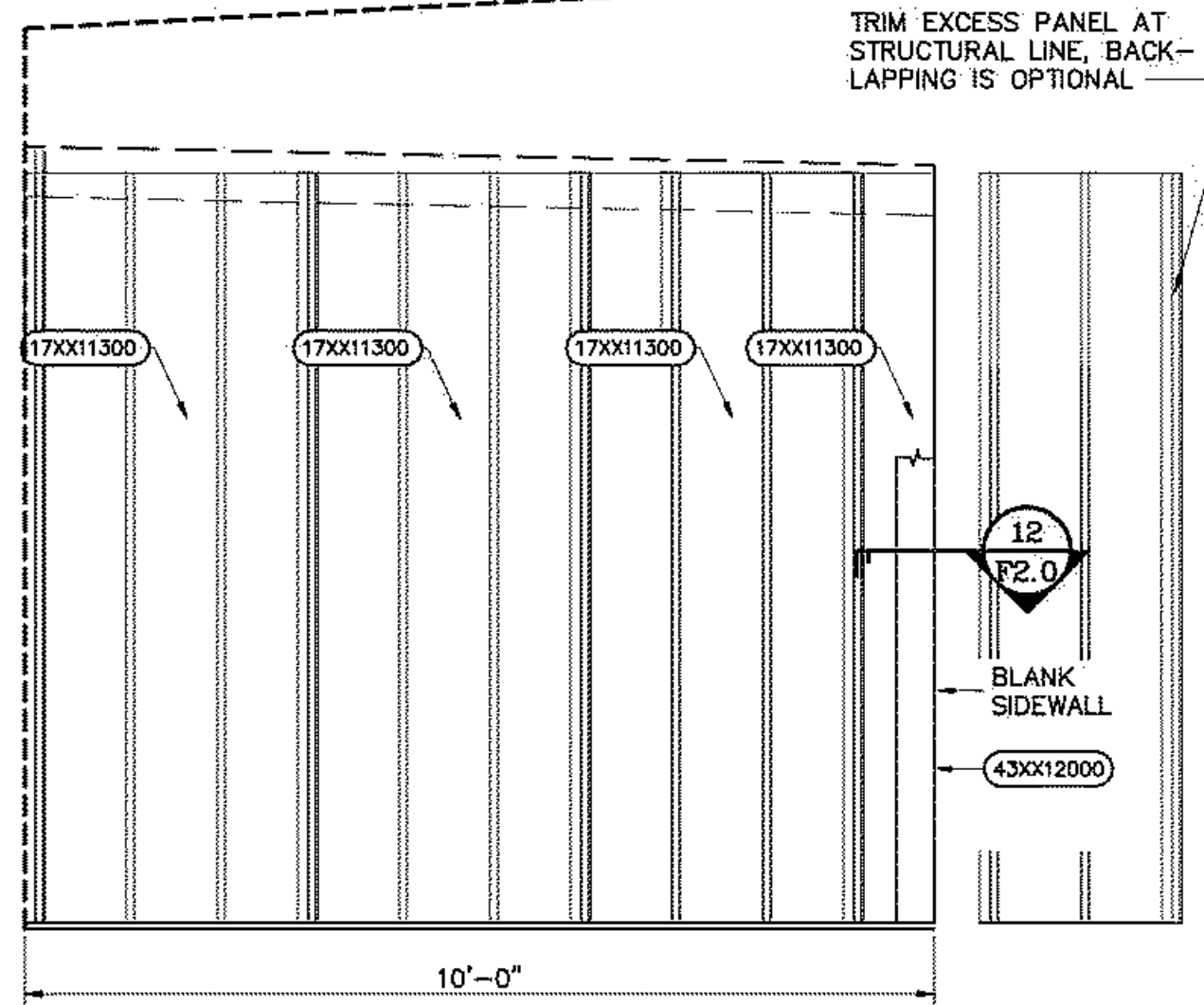
WHEN JOINING SILL TRIM TO SILL TRIM OVERLAP PARTS 2" MAX. ADD SEALANT TO LAP JOINT OF SILL TRIMS.



A BLANK SIDEWALL ELEVATION



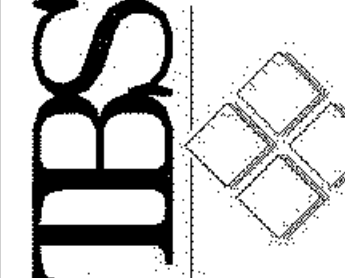
B BLANK ENDWALL ELEVATION



REVISION	By	Date



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AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO
Sheet Title
EXTERIOR ELEVATIONS

Date	9/26/25
Drawn by	JMN
Scale	1/2" = 1'-0"
Plan No.	P61348
Order No.	--
Sheet No.	--

PART # INDEX	
PART #	DESCRIPTION
466409800	28ga. 944-panel, BWHIT, 8'-2" long
500000764	22ga. DBL. jamb, 8'-2" long
5001008064	22ga. STR. jamb, 8'-0" long
5001030664	22ga. STR. jamb, 8'-2" long
5022000764	header, roll-up door, 8'-2" 8-8, 22 ga
5045001864	22ga. top/bottom channel trim, 10'-8" long
5045003064	24ga. outside CNR. trim, 3" x 6" x 8'-6"
5045008964	22ga. bottom channel trim, 10'-0" long
5045009264	22ga. burglar bar, 10'-2" long, hot, BWHIT
5045017464	22ga. trim, rigid rib panel, 8'-2" long
5050000116	16ga. base plate, no-notch
5050000818	18ga. top trim clip
508674	#8-18 x 1/2" HWHSD screw, BWHIT
511123	#8-18 x 3/4" HWHSD screw, BWHIT

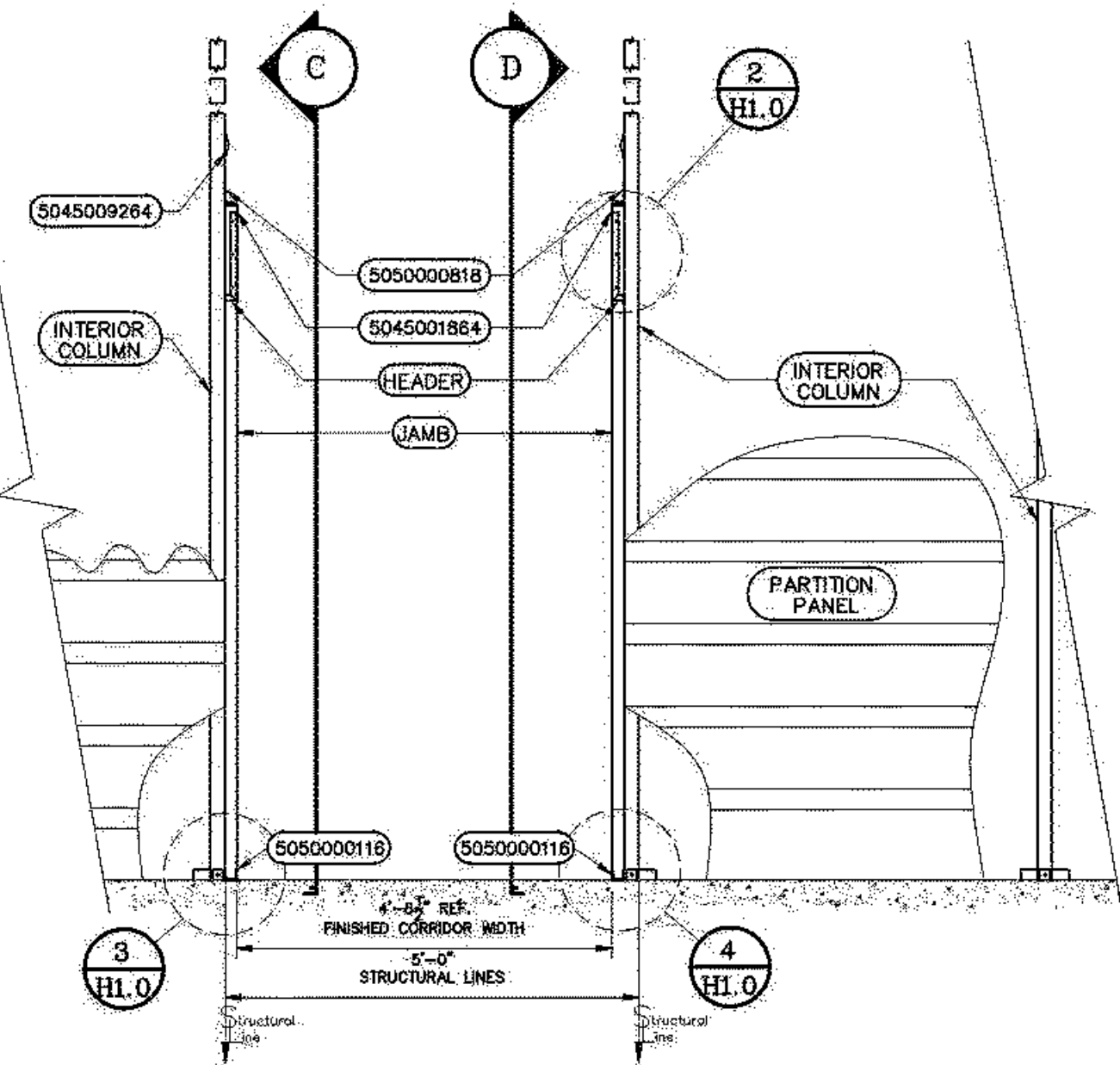
02 **SECONDARY CONCRETE ANCHORS (SUPPLIED & INSTALLED BY OTHERS)**
INSTALL SECONDARY ANCHORS (CONCRETE SCREW, POWDER ACTUATED, OR HAMMER DRIVE) 24" ON CENTER, AND STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. NOTE: SOME COMPONENTS, SUCH AS BASE TRACK, SPECIFICALLY REQUIRE BOTH PRIMARY AND SECONDARY ANCHORS.

04 **INSTALLATION PROCEDURES FOR ZAMAC HAMMER-SCREW ANCHORS**
A). USING THE PROPER DIAMETER CONCRETE BIT (NOT PROVIDED), DRILL A HOLE INTO THE BASE MATERIAL TO A DEPTH OF APPROXIMATELY 1/4" DEEPER THAN THE REQUIRED EMBEDMENT. OUR ANCHOR P/N 104188 REQUIRES A #6" HOLE 1 1/2" DEEP. BLOW THE HOLE CLEAN OF DUST AND DEBRIS.
B). INSERT THE ANCHOR THROUGH THE FIXTURE. HAMMER THE SCREW INTO THE ANCHOR BODY TO EXPAND IT. BE SURE THE HEAD IS SEATED FIRMLY AGAINST THE FIXTURE AND THAT THE ANCHOR IS AT THE PROPER EMBEDMENT.
C). TO REMOVE THE ANCHOR PRESS A SCREWDRIVER FIRMLY INTO THE SCREW HEAD AND TURN COUNTER-CLOCKWISE. PRY THE SCREW FROM THE ANCHOR BODY, THEN PRY OUT THE FIXTURE AND ANCHOR BODY.

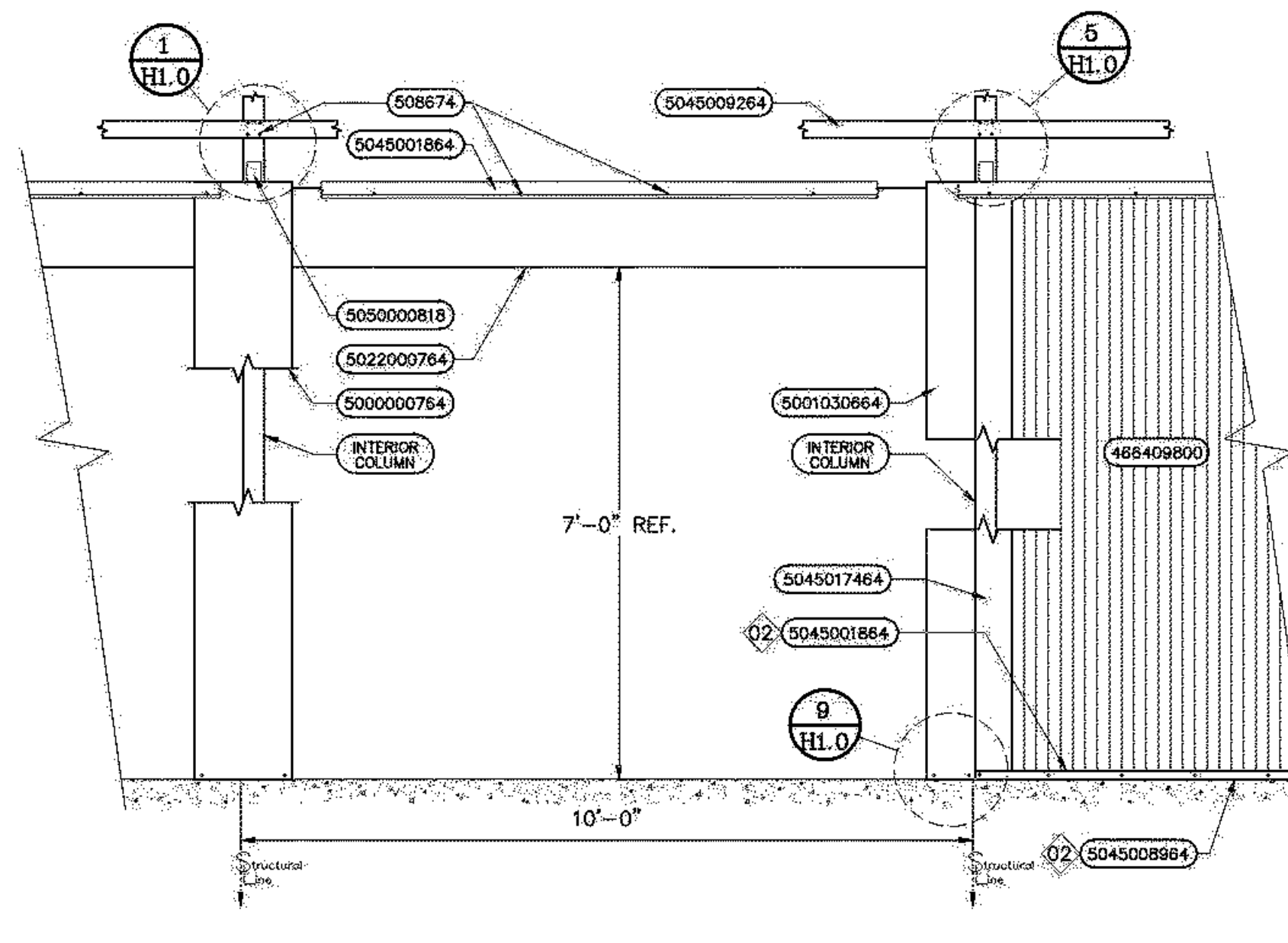
13 **FASTENER COLORS**
FASTENERS SHALL BE COLOR MATCHED TO PANEL WHERE REQUIRED. GALVANIZED SCREWS MAY BE USED IN ANY AREA THAT WILL NOT BE VISABLE UPON COMPLETION OF WORK.

15 **FASTENING PANELS**
FLUSH PANEL FLANGES ARE FORMED AT LESS THAN 90° TO FACILITATE A FLAT PANEL SURFACE. CLAMP PANELS TOGETHER PRIOR TO EACH SCREW CONNECTION TO HOLD SEAMS TOGETHER TIGHTLY. MAKE TOP AND BOTTOM CONNECTIONS FIRST THEN THE SCREWS AT THE GIRT LOCATION. PUSHING INSTEAD OF CLAMPING THE PANELS TOGETHER WITH TOO MUCH FORCE CAN CAUSE THE PANELS TO OIL CAN OR CONCAVE. THIS CREATES AN UNDESIRED APPEARANCE.

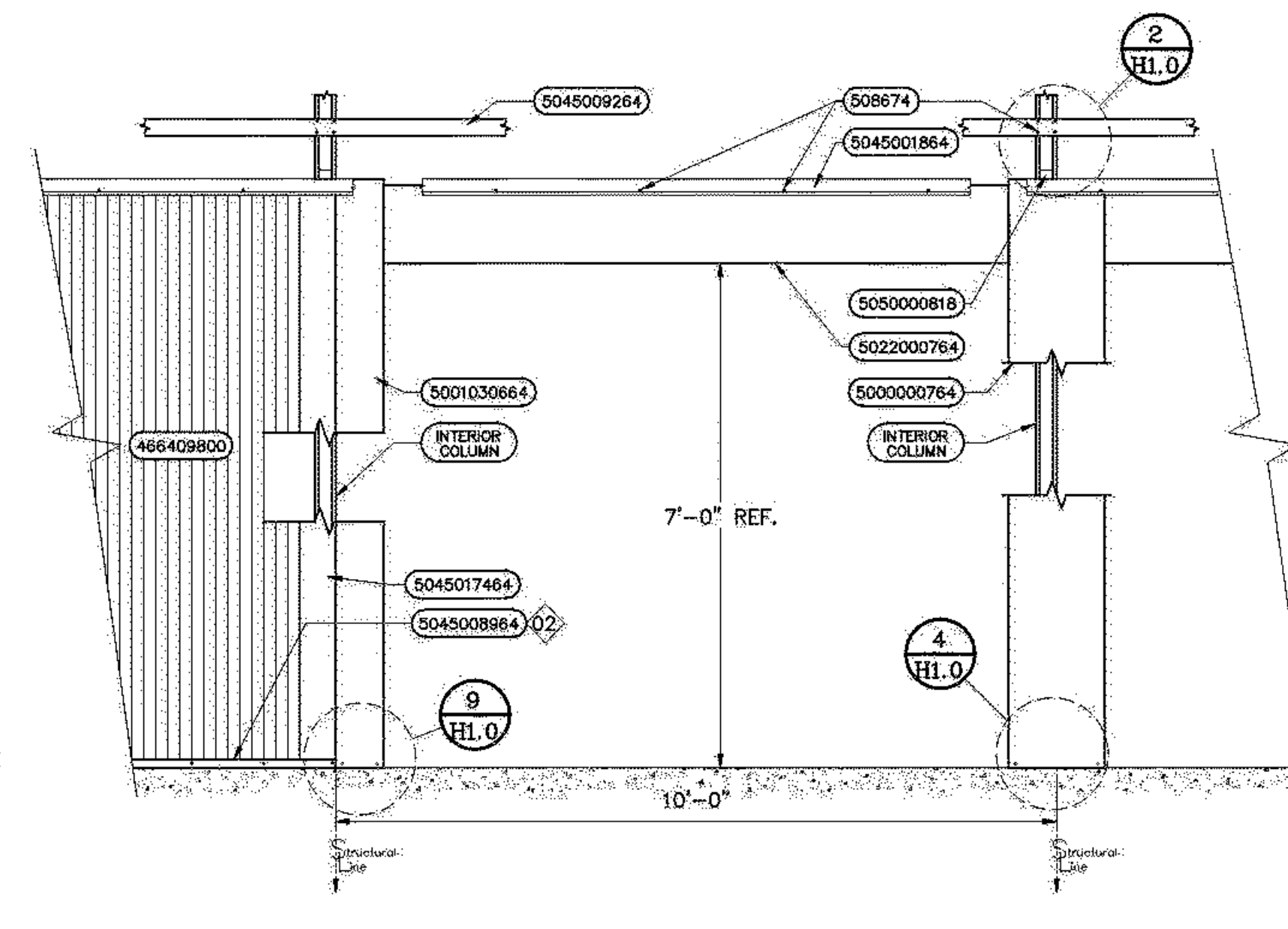
52 **BASE PLATE REFERENCE HOLES**
HOLES AT THE CENTER OF THE BASE PLATES ARE USED AS A AID TO LOCATE BASEPLATES ON THE STRUCTURAL LINES (CHALK LINES).



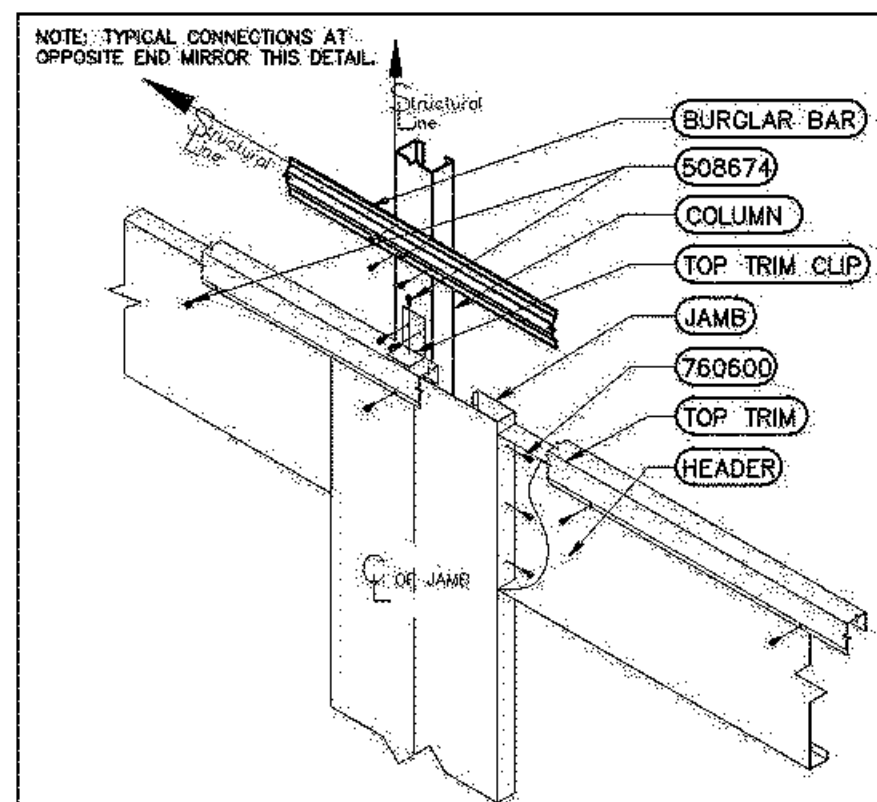
A TYPICAL LONGITUDINAL CORRIDOR SECTION



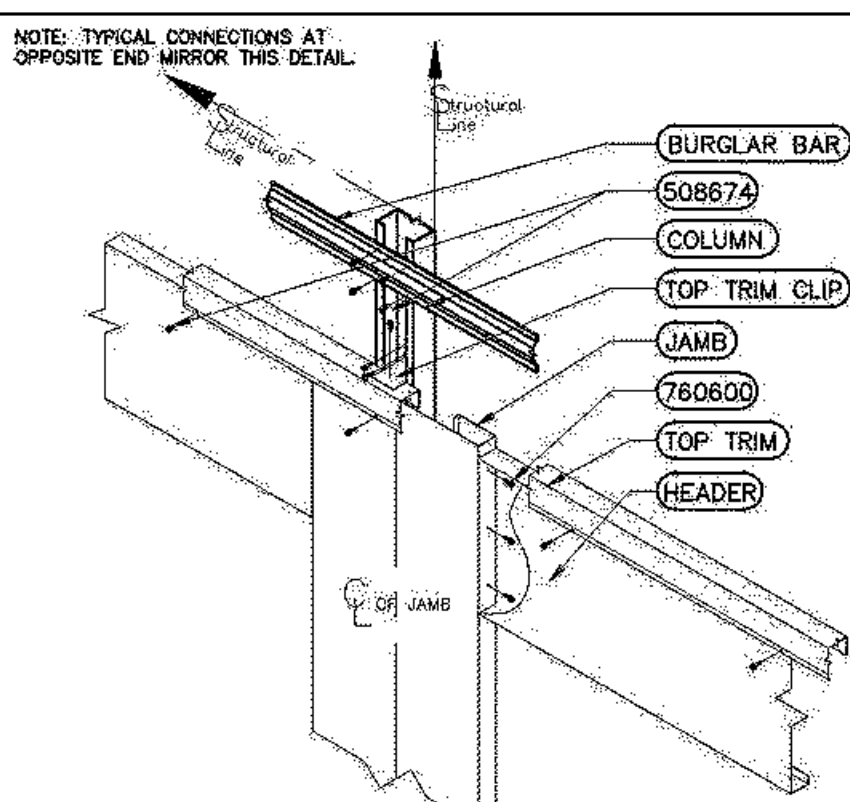
C TYPICAL LONGITUDINAL CORRIDOR @ INTERIOR COLUMNS



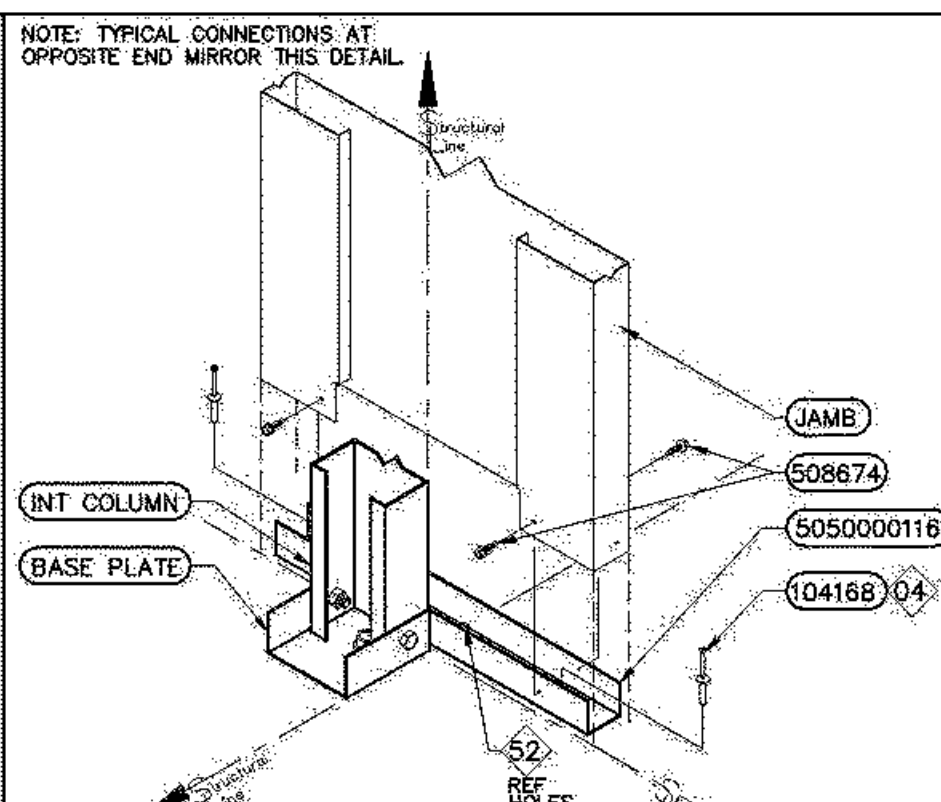
D TYPICAL LONGITUDINAL CORRIDOR @ COLUMNS



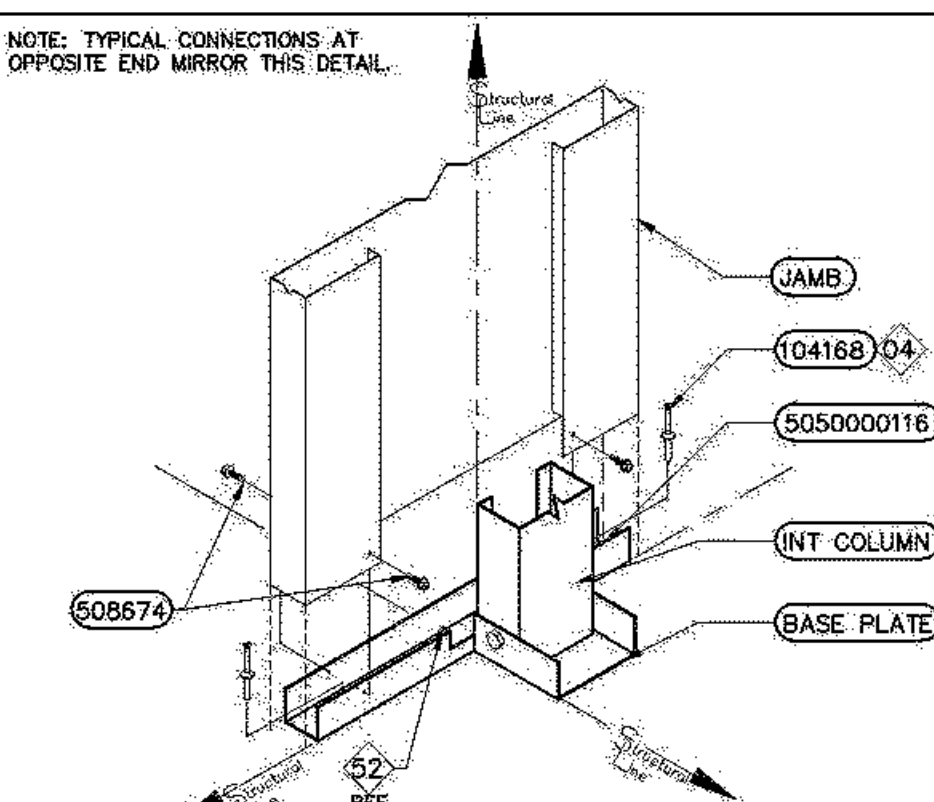
1 LONGITUDINAL JAMB, HEADER, AND TOP TRIM CONNECTIONS



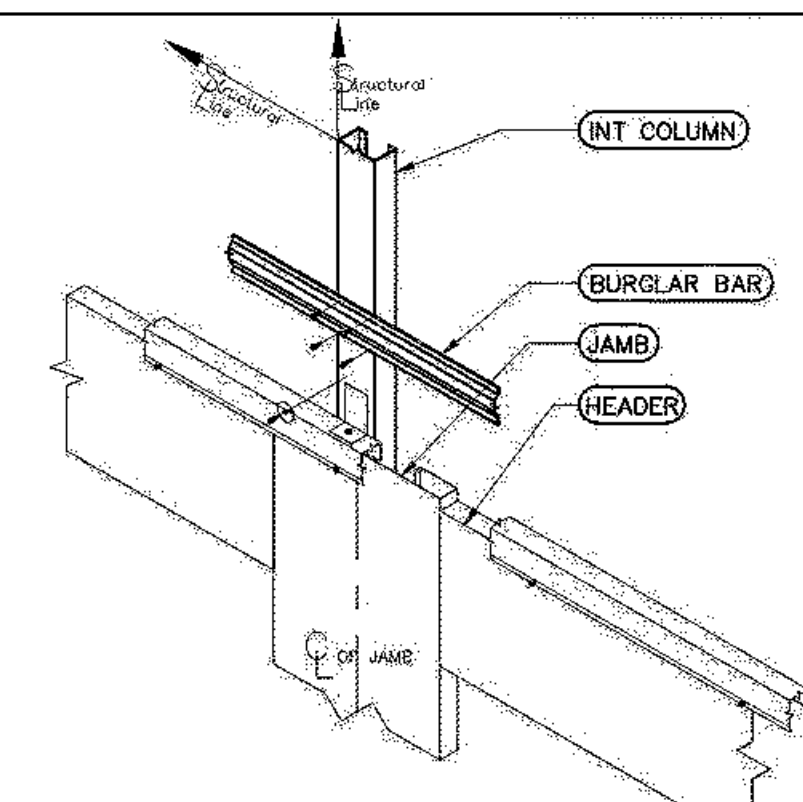
2 LONGITUDINAL JAMB, HEADER, AND TOP TRIM CONNECTIONS



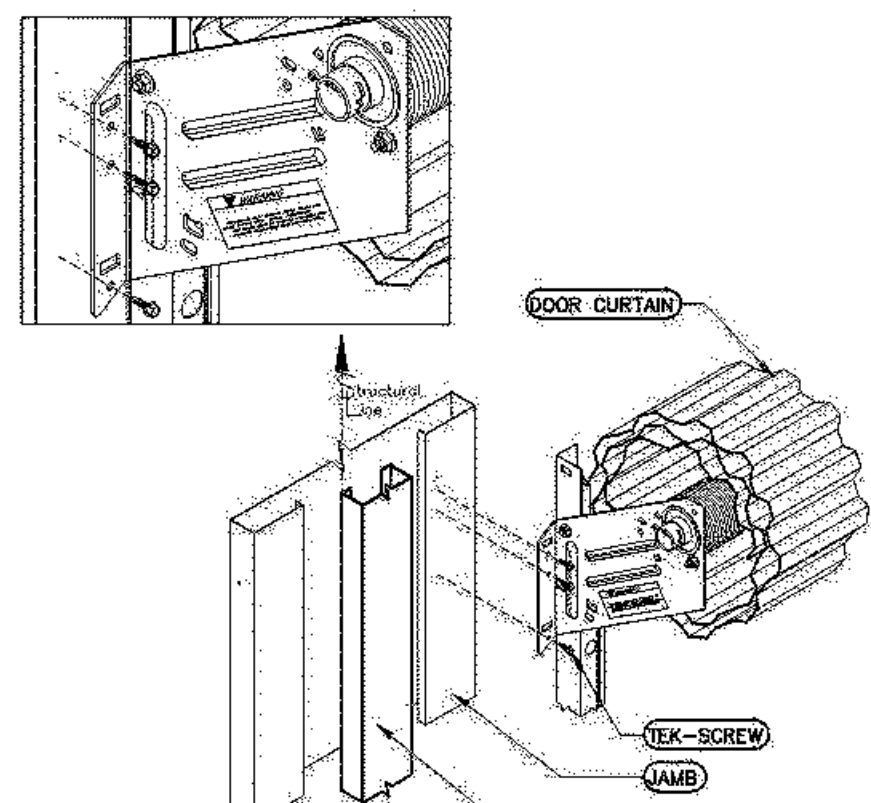
3 JAMB BASE CONNECTION AT INTERIOR COLUMN LOCATION



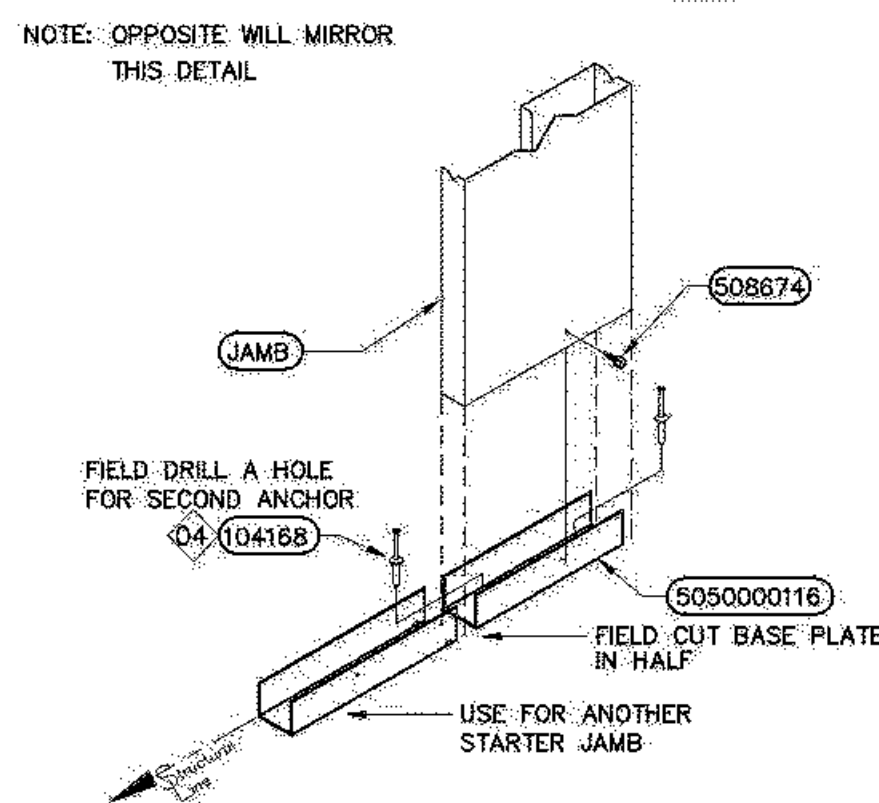
4 JAMB BASE CONNECTION AT COLUMN LOCATION



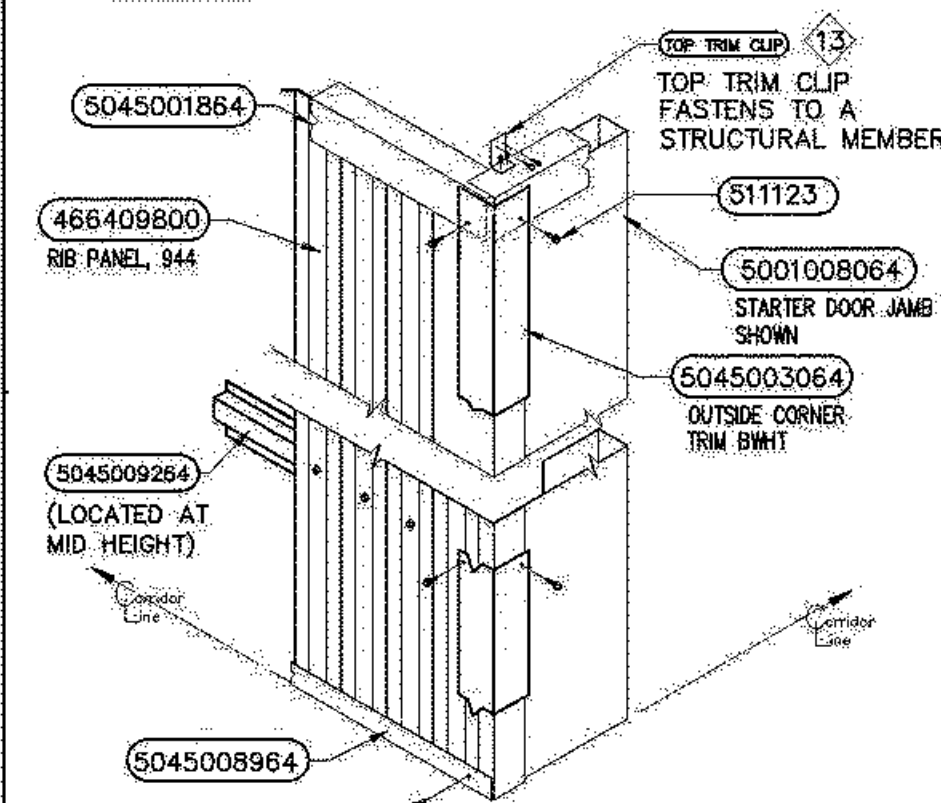
5 BURGLAR BAR CONNECTION



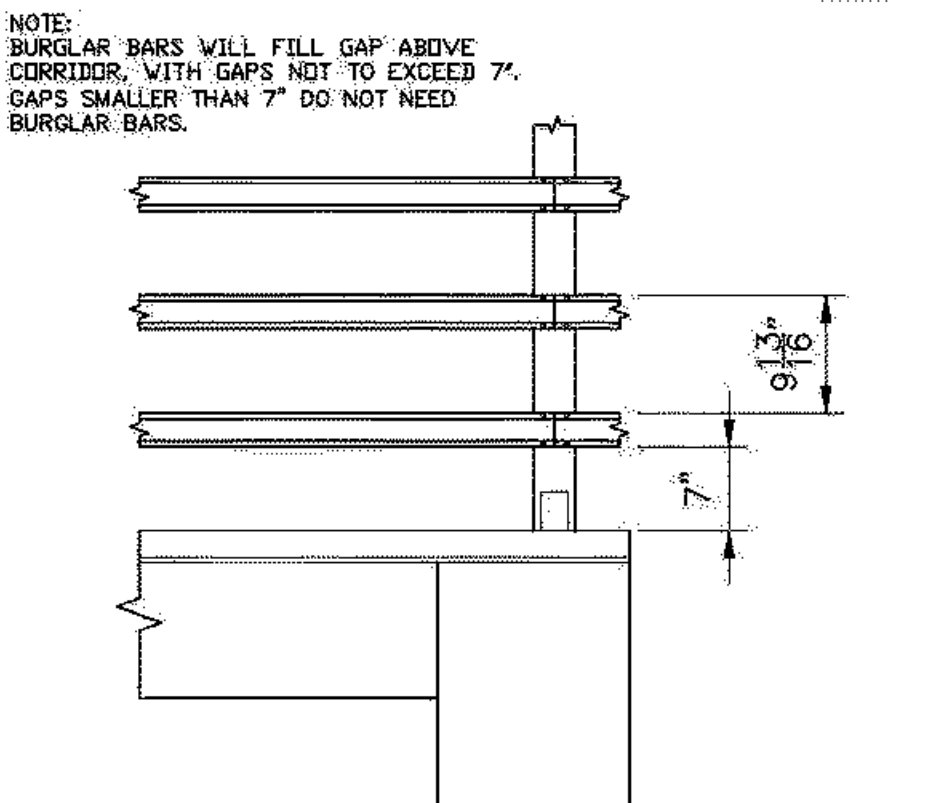
7 DOOR JAMB AND DOOR MOUNTING BRACKET



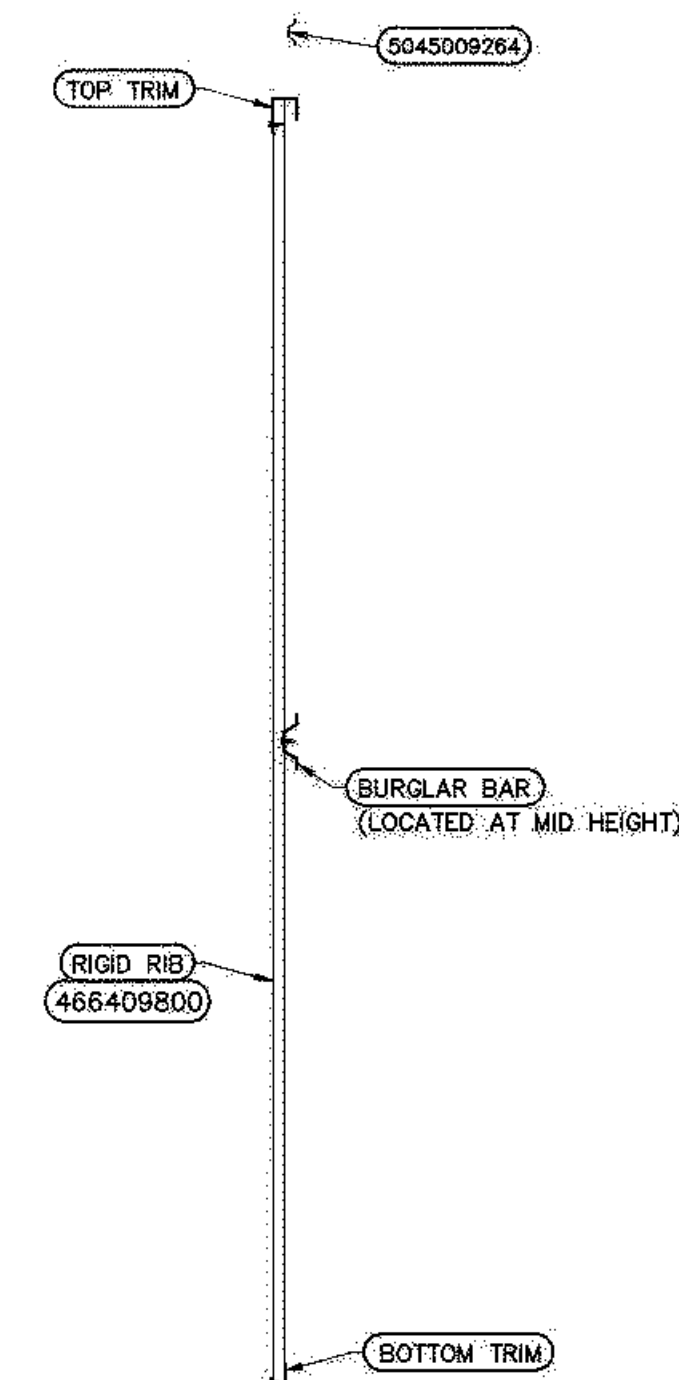
9 BASE PLATE CONNECTION AT STARTER JAMB



10 OUTSIDE CORNER TRIM



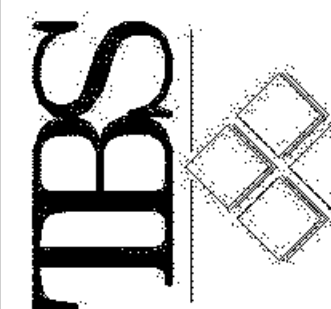
BURGLAR BAR SPACING



E RIGID RIB SECTION @ TYPICAL CORRIDOR WALL



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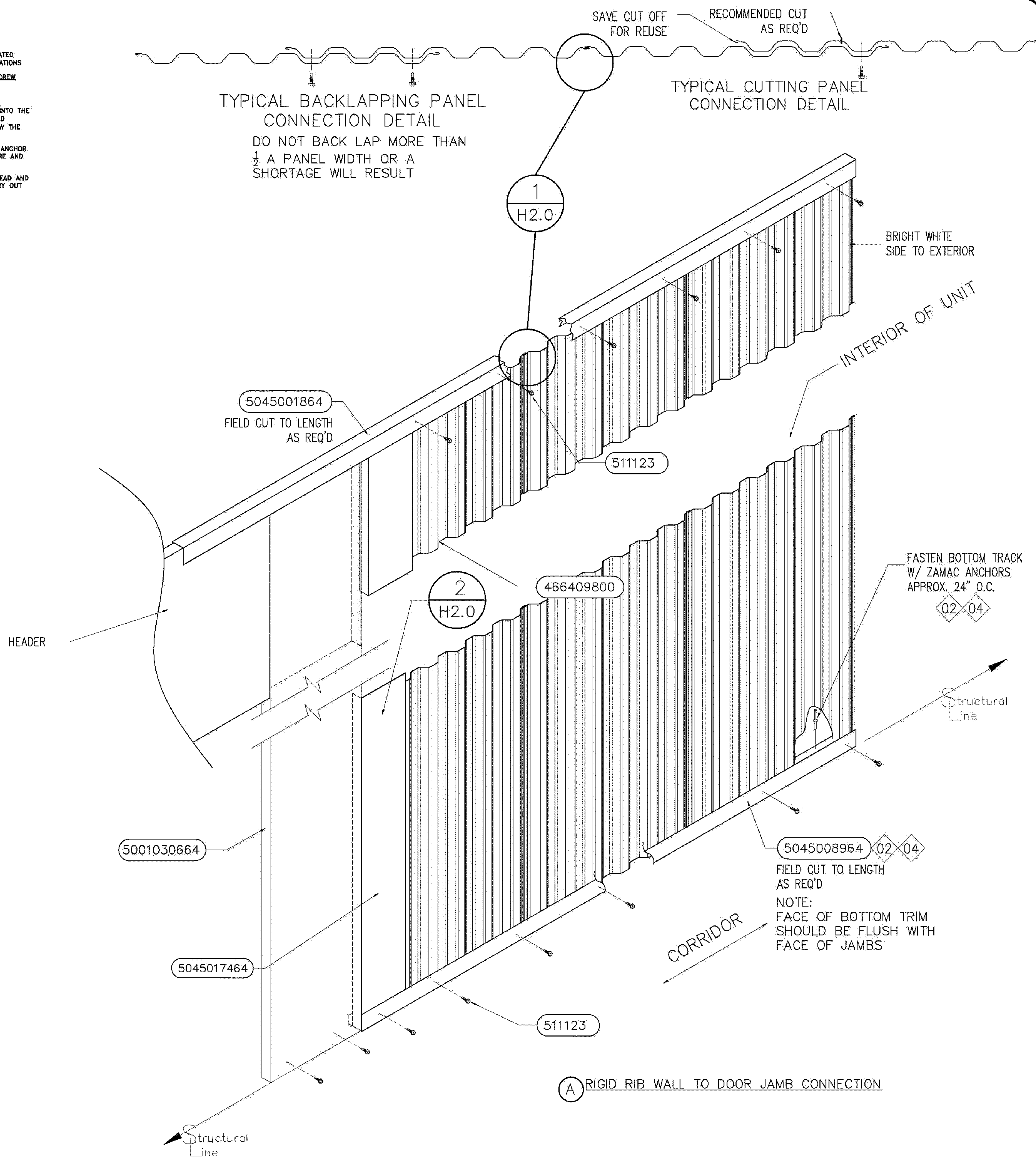
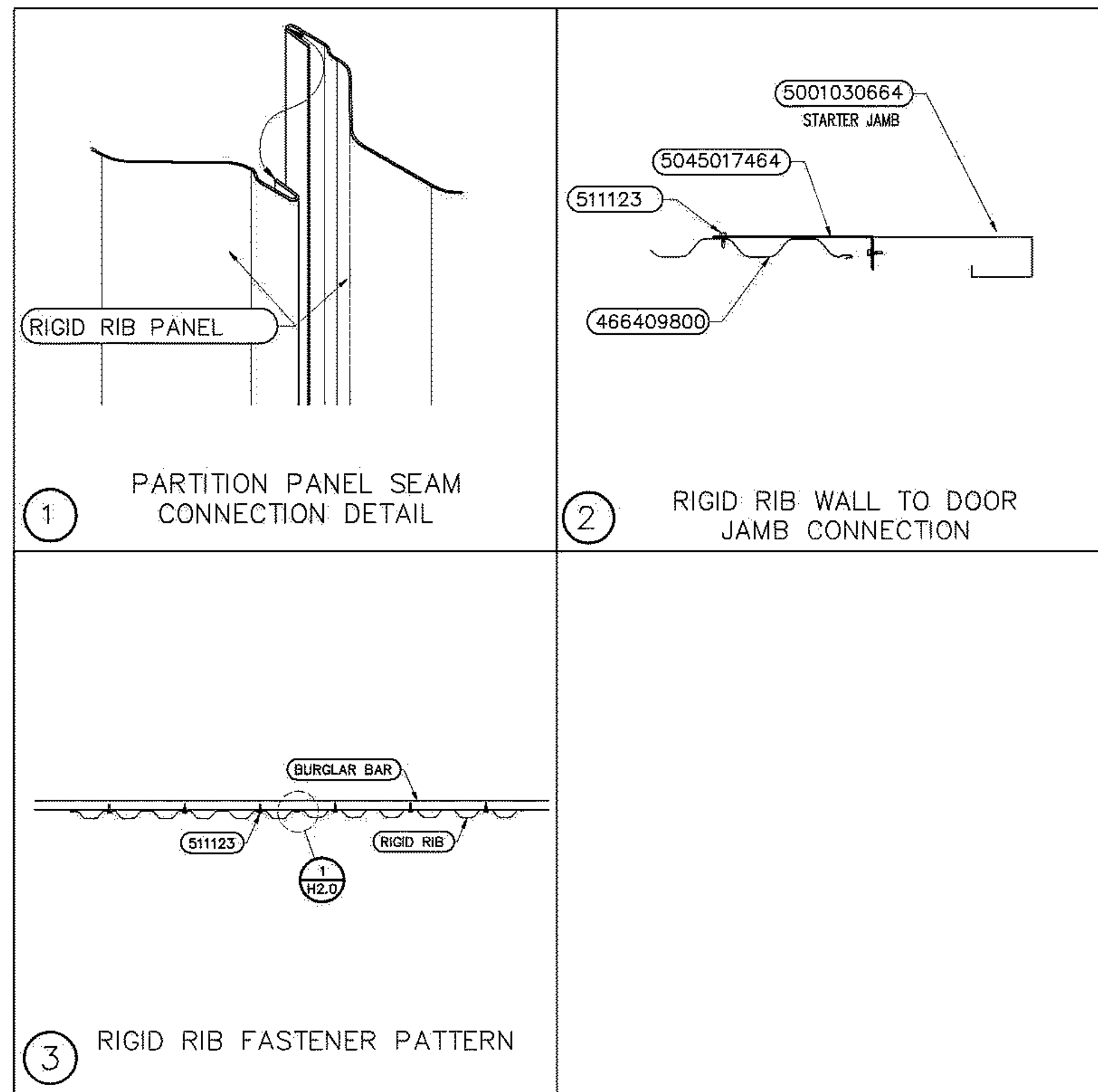
AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO
Sheet Title
LONGITUDINAL CORRIDOR PAGE

Date 9/28/25
Drawn by JMN
Scale 1/2" = 1'-0"
Plan No. P81348
Order No.
Sheet No.

H1.0

PART # INDEX	
PART #	DESCRIPTION
466409800	28ga. 944 panel, BWH, 8'-2" long
5001030664	22ga. STR. jamb, 8'-2" long
5045001864	22ga. top/bottom channel trim, 10'-8" long
5045008964	22ga. bottom channel trim, 10'-0" long
5045017464	22ga. trim, rigid rib panel, 8'-2" long
511123	#8-18 x 3/4" HHSD screw, BWH

- 02
POWDER ACTUATED ANCHORS (BY OTHERS)
POWDER ACTUATED ANCHORS ARE TO BE USED AT 24" CENTERS. POWDER ACTUATED ANCHORS ARE TO BE USED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS ONLY. TRACK BASE IS AN EXAMPLE OF PARTS THAT REQUIRE POWDER ACTUATED ANCHORS. NOTE SOME PARTS REQUIRE BOTH POWDER ACTUATED & CONCRETE SCREW ANCHORING AS SPECIFIED.
- 04
INSTALLATION PROCEDURES FOR ZAMAC HAMMER-SCREW ANCHORS
A). USING THE PROPER DIAMETER CONCRETE BIT (NOT PROVIDED), DRILL A HOLE INTO THE BASE MATERIAL TO A DEPTH OF APPROXIMATELY 1/4" DEEPER THAN THE REQUIRED EMBEDMENT. OUR ANCHOR P/N 104168 REQUIRES A #4" HOLE 1 1/2" DEEP. BLOW THE HOLE CLEAN OF DUST AND DEBRIS.
B). INSERT THE ANCHOR THROUGH THE FIXTURE. HAMMER THE SCREW INTO THE ANCHOR BODY TO EXPAND IT. BE SURE THE HEAD IS SEATED FIRMLY AGAINST THE FIXTURE AND THAT THE ANCHOR IS AT THE PROPER EMBEDMENT.
C). TO REMOVE THE ANCHOR PRESS A SCREWDRIVER FIRMLY INTO THE SCREW HEAD AND TURN COUNTER-CLOCKWISE. PRY THE SCREW FROM THE ANCHOR BODY, THEN PRY OUT THE FIXTURE AND ANCHOR BODY.



REVISION	By	Date

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AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO

Sheet Title
CORRIDOR DETAILS

Date
9/26/25

Drawn by
JMN

Scale
1/2" = 1'-0

Plan No.
P61348

Order No.
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Sheet No.
H2.0

PART # INDEX	
PART #	DESCRIPTION
3082	29ga. PT. panel, GALVM
38801_00	18ga. partition channel
388014600	18ga. partition channel 12'-2" long
5910000114	14ga. eave top track, 3.88" x 3.13" x 10' long
5910006218	18ga. eave top angle, 6.75" x 2" x 9'-10"
5920002880	20ga. trim, insul. wall, 1/2" GALV
5920008982	26ga. angle, insul. PT., 1.5"x2.5"x12'-0"
5950030418	18ga. support, insul. BW, 9'-4" EV
5985014418	18ga. girt, angle, 9'-4" long
5987000018	18ga. PT. rake angle, 5' long
7810045071	Insulation, wmp-vr, 4" X 5'-0" X 71'-0"

- 103 **INSULATED WALL: FOAM CLOSURES**
A 1/8" BEAD OF BUTYL CAULK (6051006090) IS TO BE PLACED ON EACH SIDE OF FOAM CLOSURES WITHIN INSULATED WALLS TO ASSURE AN ADEQUATE SEAL.
- 119 **PARTITION SUPPORT AT BLANK WALL**
BLANK SIDEWALL PARTITION SUPPORT IS ONLY REQUIRED WHERE AN INTERIOR PARTITION PANEL WALL INTERSECTS WITH THE BLANK SIDEWALL. REVIEW YOUR FLOOR PLAN FOR LOCATION AND QUANTITY OF BLANK SIDEWALL SUPPORTS. THE BLANK SIDEWALL SUPPORT MAY NEED TO BE FIELD CUT TO THE PROPER HEIGHT. INSULATED SIDEWALLS WILL USE A ZEE SHAPED SUPPORT, DIFFERENT FROM THE ONE SHOWN. SEE INSULATION DETAILS IF YOU HAVE INSULATED SIDEWALLS. SEE FLOOR PLAN FOR PARTITION CHANNEL PART NUMBERS.
- 123 **INTERIOR LINER PANEL**
FIELD CUT BOTTOM PANEL TO REMOVE FIRST RIB TO GIVE YOU A FLAT SURFACE TO SCREW THROUGH THE PANEL INTO THE BASE TRACK.

- 94 **TRANSVERSE AND LONGITUDINAL WALL CONSTRUCTION**
1ST CONSTRUCT ALL TRANSVERSE WALLS (ONLY PANEL AS IF ALL WALLS ARE NOT INSULATED). #12x3/4" SCREWS #760600 ARE TO BE USED. 2ND CONSTRUCT ALL LONGITUDINAL WALLS (INSULATE AND PANEL BOTH SIDES IF NEEDED). #12x3/4" SCREWS #760600 ONE SIDE, #12x1-1/4" SCREWS #710869 ARE TO BE USED ON OTHER SIDE. 3RD FINISH INSULATING AND PANEL TRANSVERSE WALLS WHERE NEEDED, #12x1-1/4" SCREWS #710969 ARE TO BE USED.
- 120 **INSULATION FLAME AND SMOKE RATING**
THE COMPOSITE OF FIBERGLASS AND FACING SHALL HAVE SURFACE BURNING CHARACTERISTICS NOT TO EXCEED 25 FLAME SPREAD AND 50 SMOKE WHEN TESTED IN ACCORDANCE WITH UNDERWRITERS LABORATORIES 723 TEST METHOD OR ASTM E-84 TEST METHOD. INSULATION BY OTHERS TO MEET OR EXCEED THESE REQUIREMENTS.

NOTICE: INSULATION INSTALLATION

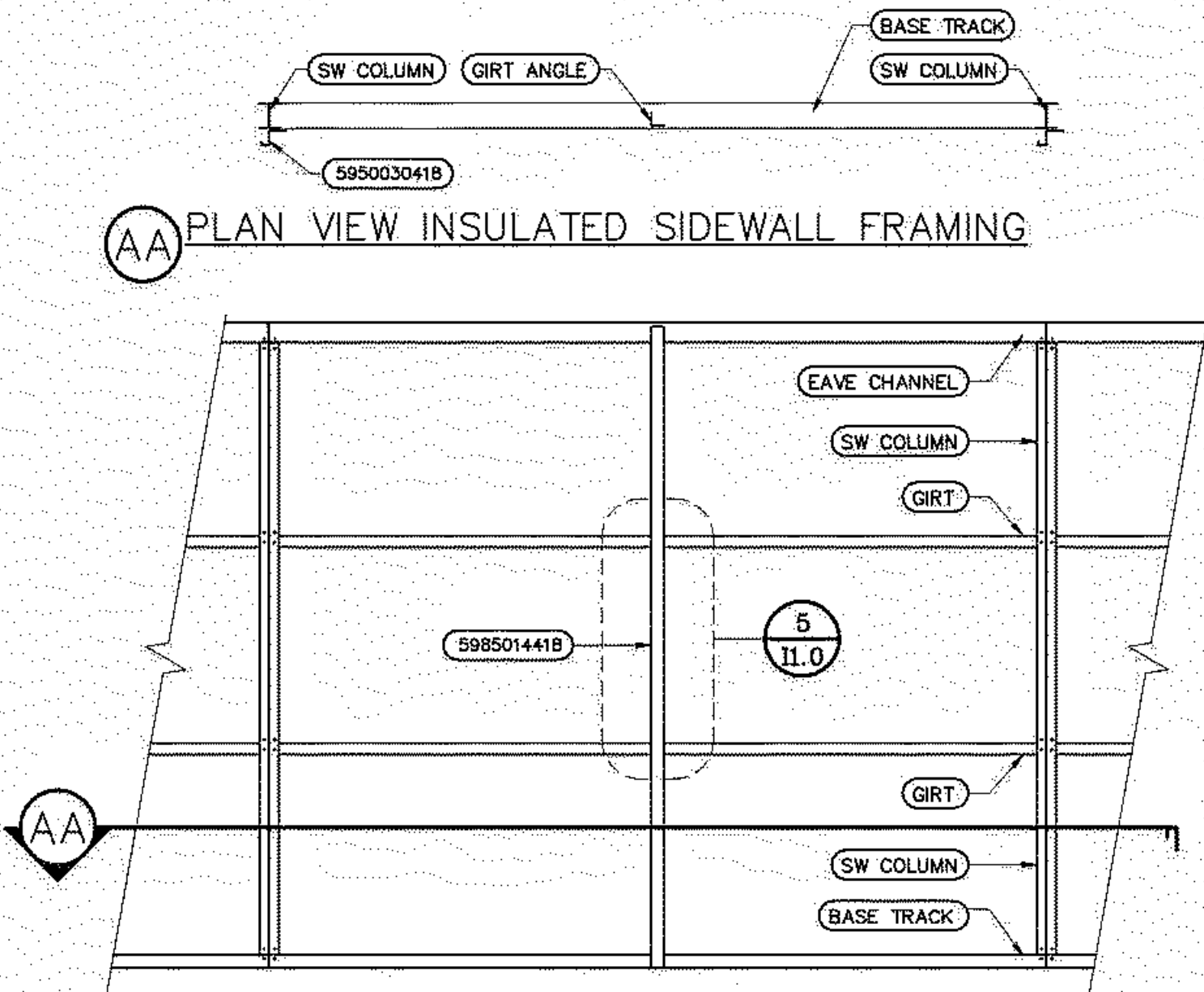
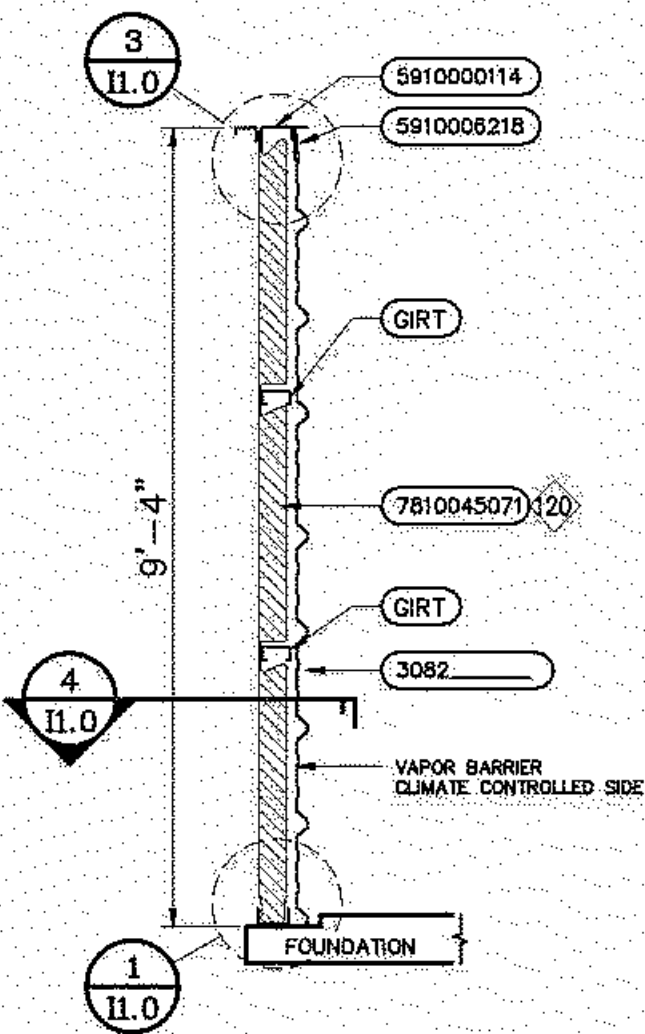
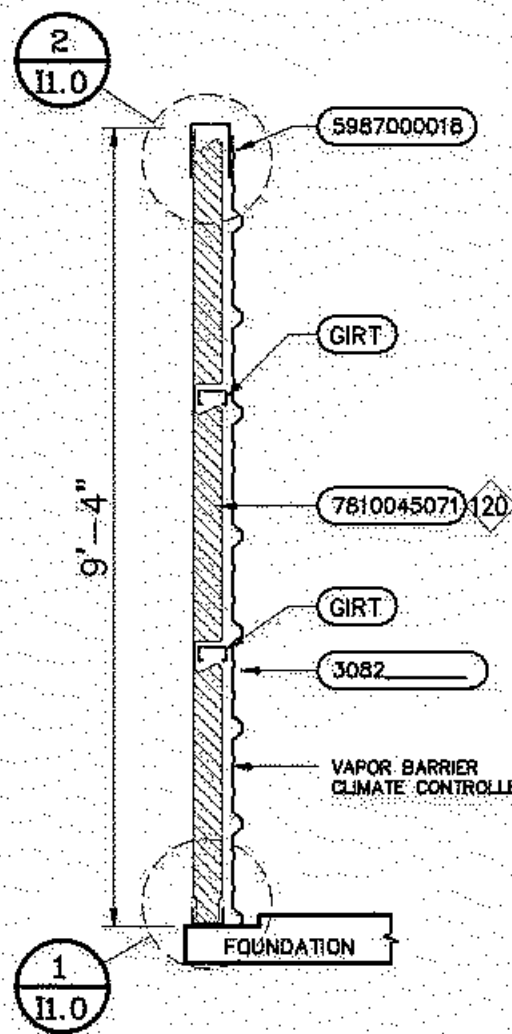
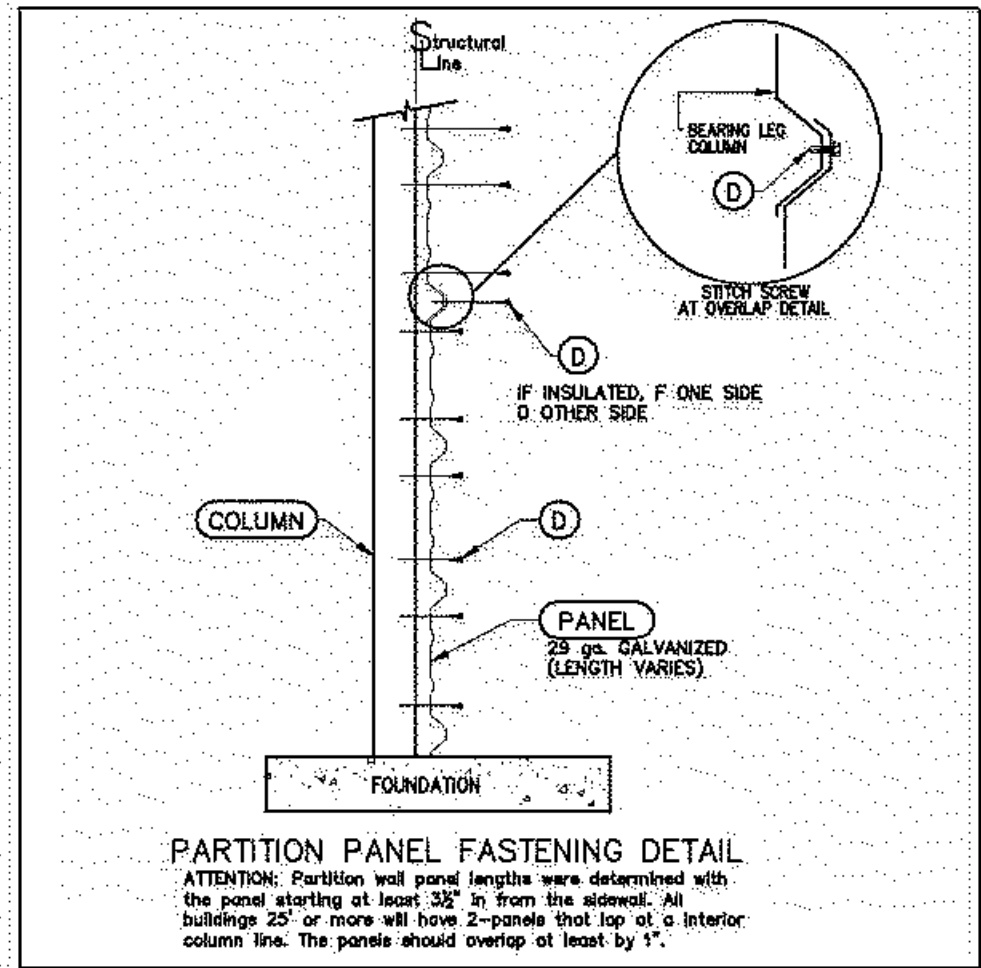
It is the responsibility of the erector to install the insulation with consideration that all voids (including sub-frame) in an insulated wall need to be filled with insulation. Care should be taken to assure that exterior air infiltration to the interior of the building is minimized. Light should not be visible through cracks and crevices. Caulk or other remedies to these situations is not supplied by Trachte and is to be used and supplied at the discretion of the Erector and/or Owner.

VAPOR BARRIER

You must install the insulation with the vapor barrier to the climate controlled side of the wall & roof (interior).

SECONDARY COLUMNS

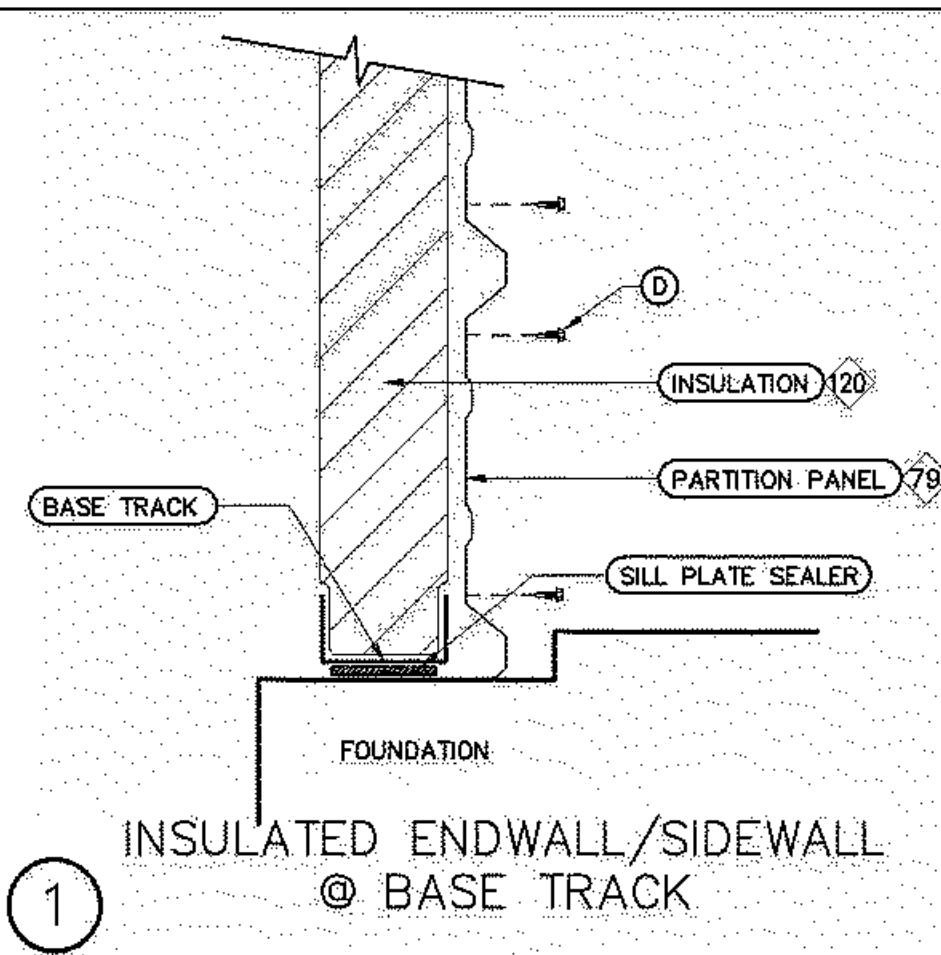
Orientation of secondary columns, for insulated walls, differ from non-insulated walls, check floor plan for proper column orientation.



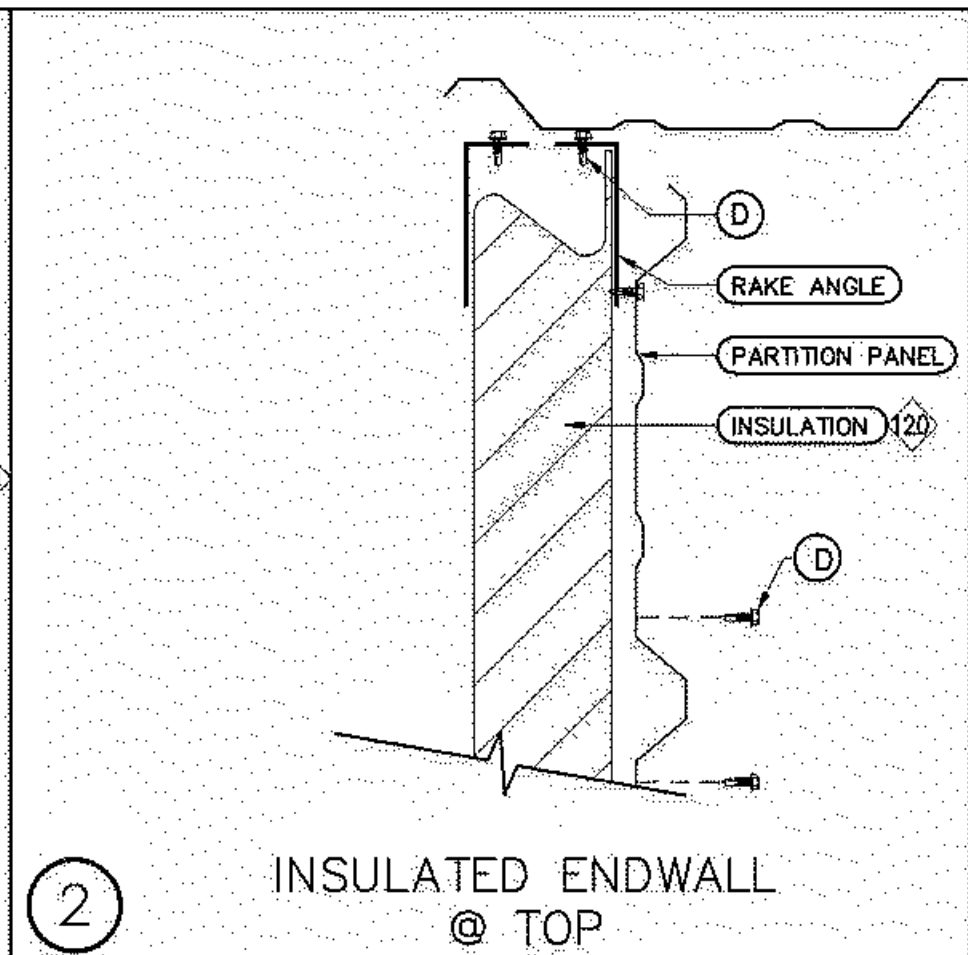
A INSULATED ENDWALL FRAMING

B INSULATED SIDEWALL FRAMING

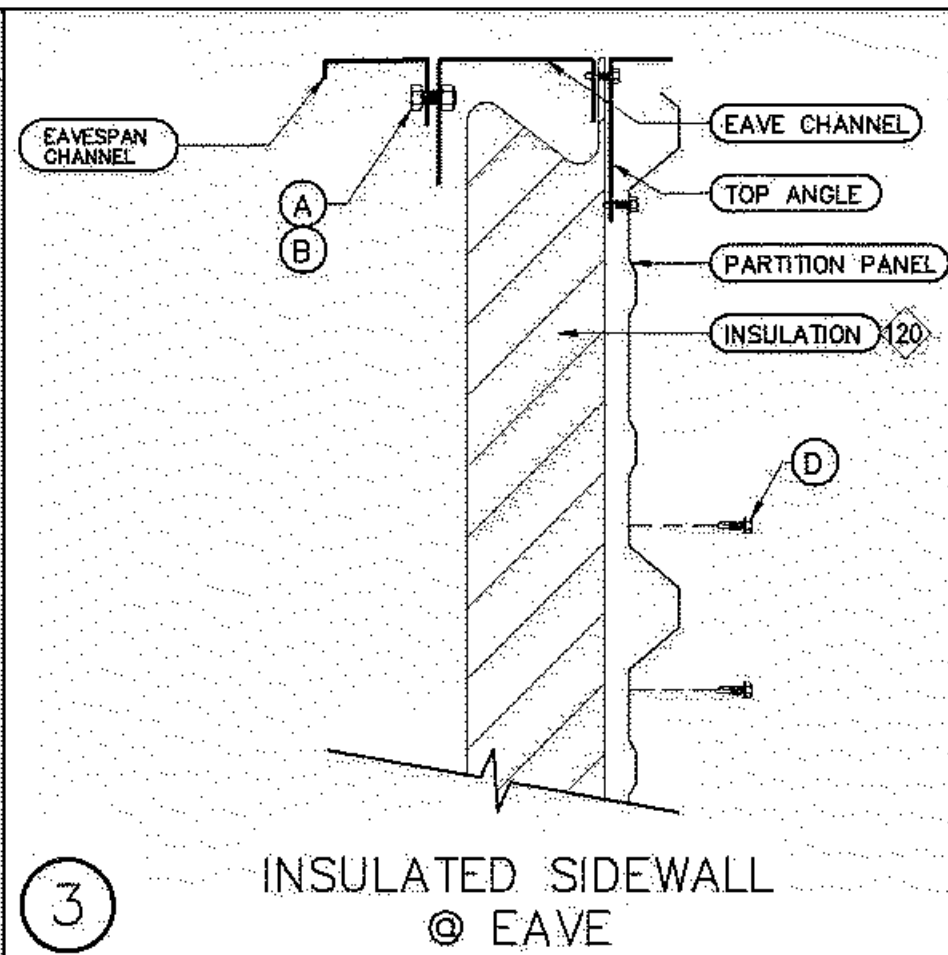
C INSULATED SIDEWALL FRAMING



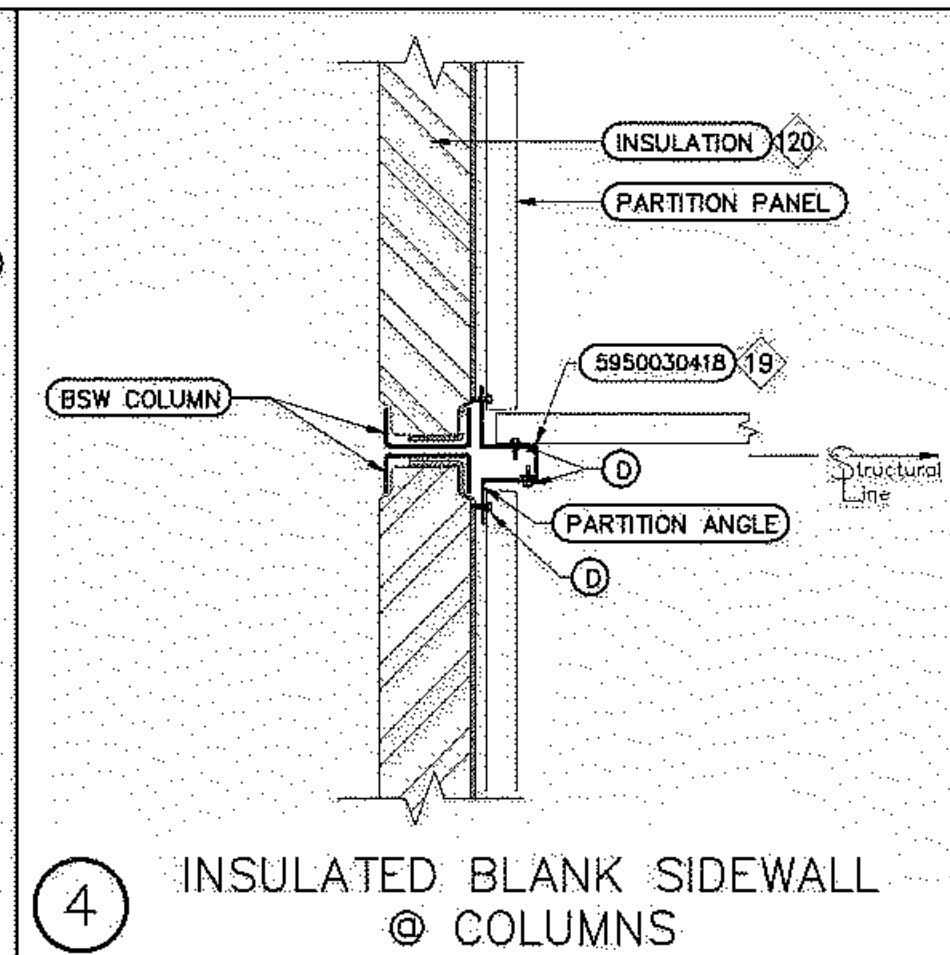
1 INSULATED ENDWALL/SIDEWALL @ BASE TRACK



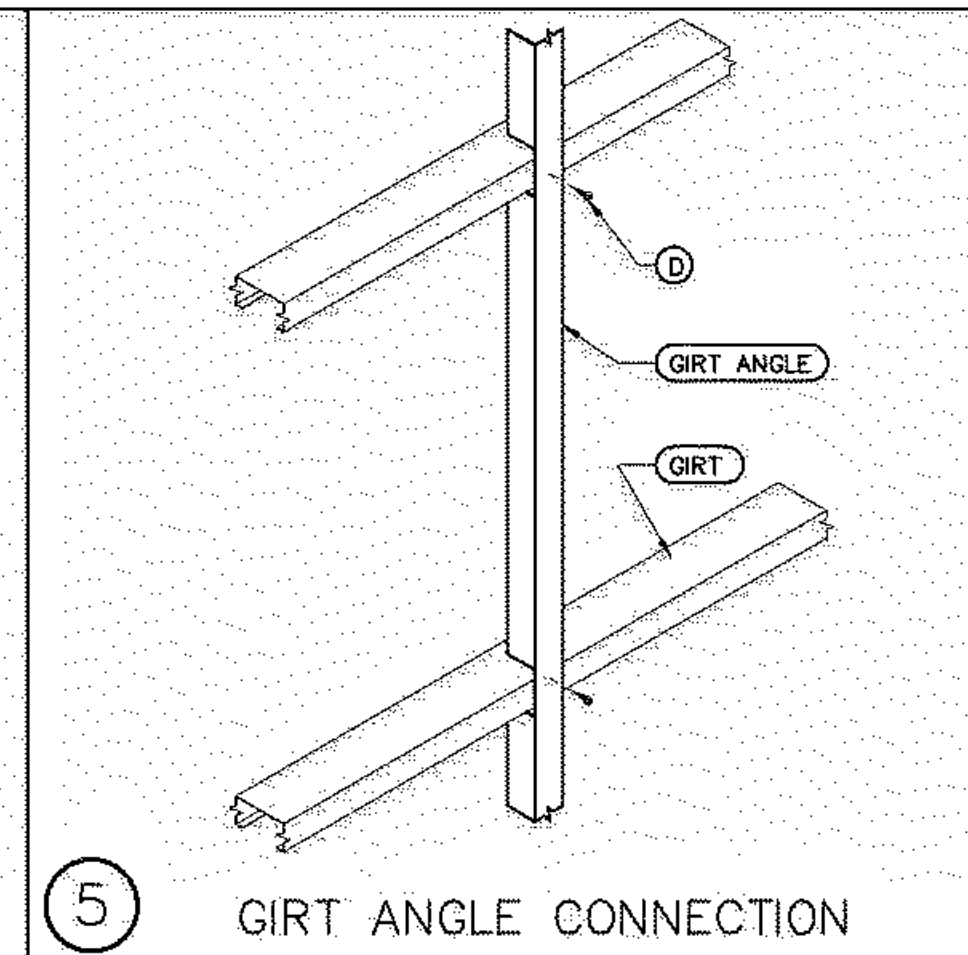
2 INSULATED ENDWALL @ TOP



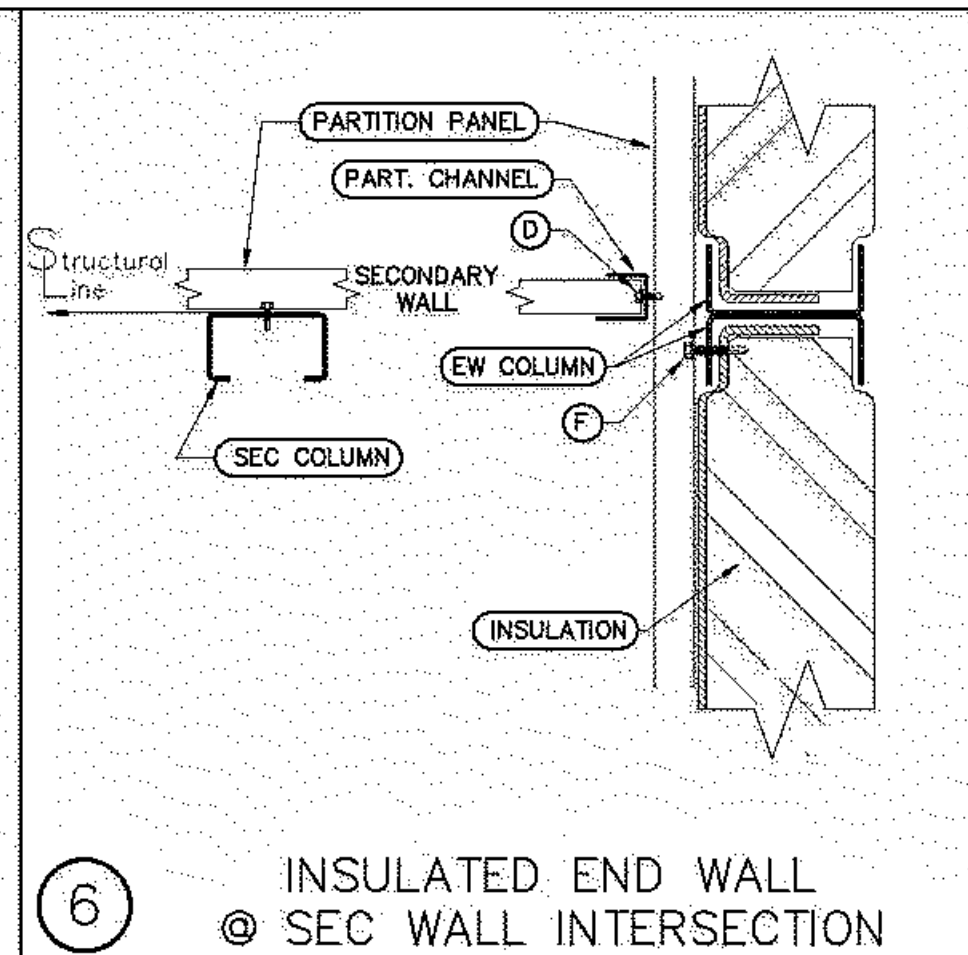
3 INSULATED SIDEWALL @ EAVE



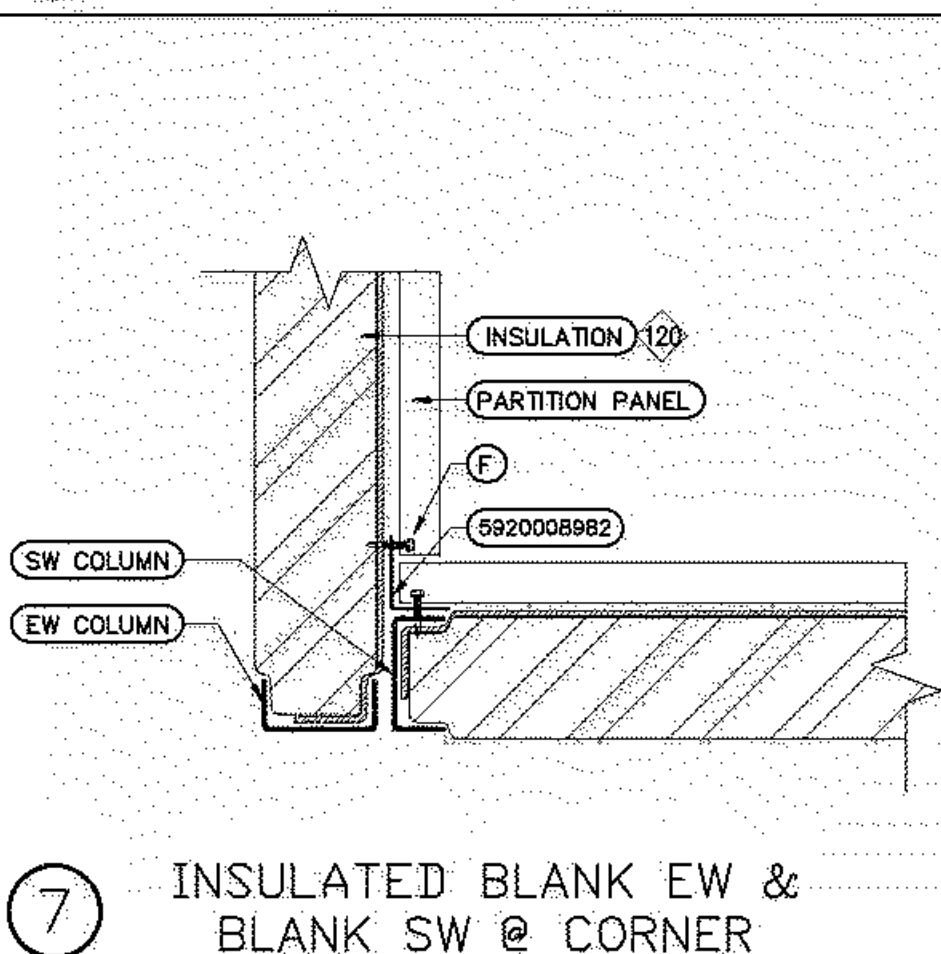
4 INSULATED BLANK SIDEWALL @ COLUMNS



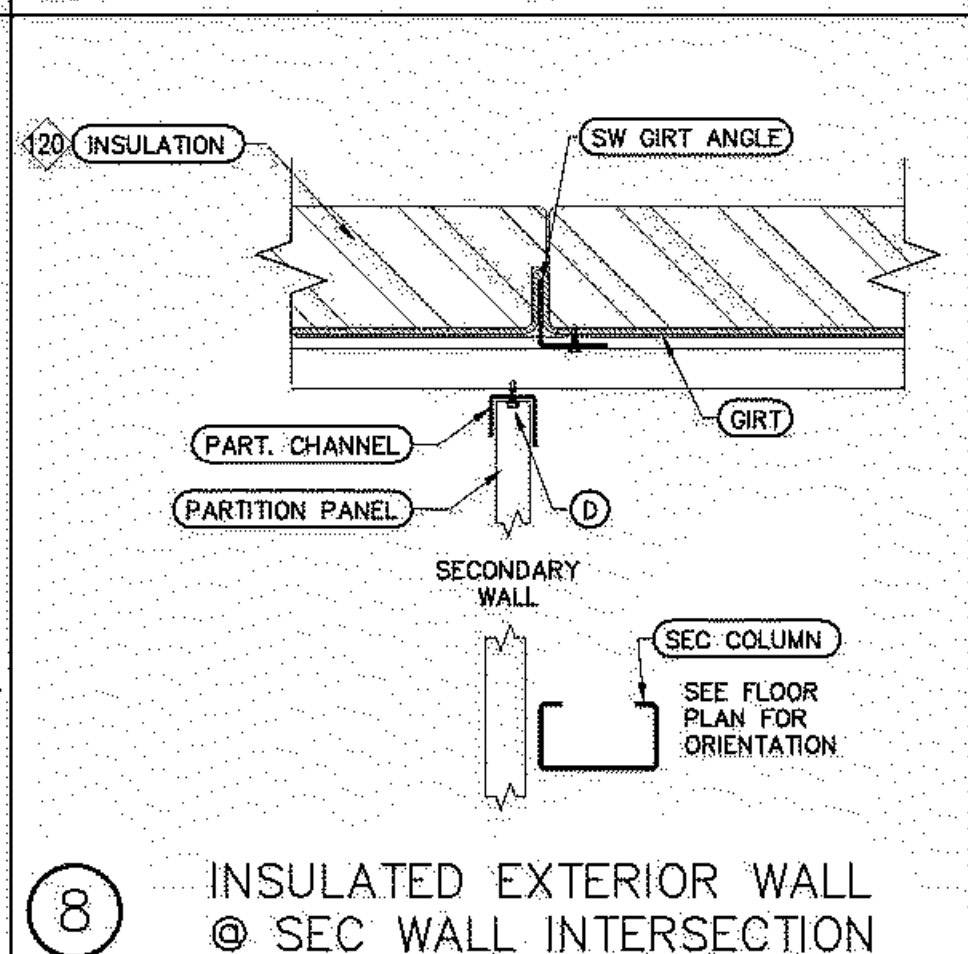
5 GIRT ANGLE CONNECTION



6 INSULATED END WALL @ SEC WALL INTERSECTION



7 INSULATED BLANK EW & BLANK SW @ CORNER

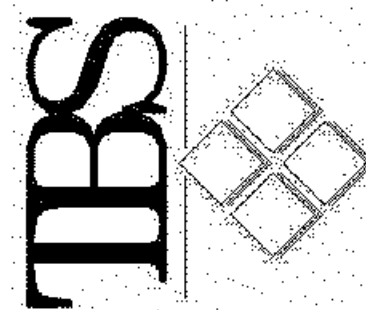


8 INSULATED EXTERIOR WALL @ SEC WALL INTERSECTION

REVISION	By	Date



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AL SCHLOSSER
RIGHT MOVE STORAGE
1453 AIRPORT ROAD
RIFLE CO
INSULATION PAGE

Date	9/26/25
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Scale	1/2" = 1'-0"
Plan No.	P61348
Order No.	---
Sheet No.	---

MECHANICAL ELEMENTS / VALVING			
	EXISTING EQUIPMENT OR PIPE TO BE REMOVED.		RELIEF/SAFETY VALVE
	GATE VALVE		GAS COCK
	GLOBE VALVE		AUTOMATIC FILL VALVE
	PLUG VALVE		MANUAL AIR VENT
	BUTTERFLY VALVE		AUTOMATIC AIR VENT (EXTEND DISCHARGE TO DRAIN)
	BALL VALVE		FLOW METER-VENTURI
	SWING CHECK VALVE		FLOW METER-ORIFICE
	LIFT CHECK VALVE		DIRECTION OF FLOW
	GATE VALVE, ANGLE		DIRECTION OF PITCH-RISE OR DROP
	GLOBE VALVE, ANGLE		STRAINER
	DIAPHRAGM VALVE		STRAINER WITH BLOW OFF VALVE
	BALANCING VALVE		PIPE RISING UP
	CIRCUIT SETTING BALANCING VALVE		PIPE DROPPING DOWN
	THREE WAY CONTROL VALVE		CONCENTRIC REDUCER
	TWO WAY CONTROL VALVE		ECCENTRIC REDUCER
	SOLENOID VALVE		UNION - SCREWED OR FLANGED
	PRESSURE REDUCING VALVE (PRV)		STEAM LEAK DETECTOR
	TEMPERATURE/PRESSURE RELIEF VALVE		FIRE SMOKE DAMPER
	HYDRAULIC SEPARATOR		CARBON MONOXIDE
	AIR SEPARATOR		CARBON DIOXIDE

HVAC & DUCTWORK SYMBOLS	
	SECTION THROUGH RETURN DUCT
	SECTION THROUGH EXHAUST AIR DUCT
	SECTION THROUGH SUPPLY OR OUTSIDE AIR DUCT
	FIRE / SMOKE DAMPER
	SMOKE DAMPER
	SUPPLY OR OUTSIDE AIR DUCT
	ACCESS DOOR (BOTTOM OR SIDE)
	ACOUSTICALLY LINED DUCT
	FIRE DAMPER, SMOKE DAMPER, FIRE/SMOKE DAMPER
	MANUAL VOLUME DAMPER
	INCLINED DROP IN DIRECTION OF ARROW
	INCLINED RISE IN DIRECTION OF ARROW
	TRANSITION, RECTANGULAR TO ROUND
	FLEXIBLE DUCT
	IN-LINE FAN
	TRANSITION, RECTANGULAR
	SPIN-IN COLLAR INTO ADAPTER ON TOP OF DUCT
	CEILING SUPPLY AIR REGISTER/GRILLE
	SIDEWALL SUPPLY AIR REGISTER (SR)
	ELBOW TURNED DOWN
	ELBOW TURNED UP
	ELBOW, RADIUS TYPE
	ELBOW, SQUARE OR RECTANGULAR TYPE WITH AIRFOIL TURNING VANES
	CEILING RETURN AIR REGISTER (RR)
	SIDEWALL RETURN AIR REGISTER (RR)
	OPEN END DUCT
	FLEXIBLE CONNECTION

LINE DESIGNATION SYMBOLS	
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CA	COMPRESSED AIR
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
D	DRAIN
HPR	HEAT PUMP RETURN
HPS	HEAT PUMP SUPPLY
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
G	NATURAL GAS
RH	REFRIGERANT HIGH PRESSURE VAPOR
R	REFRIGERANT LIQUID AND VAPOR LINE
RS	REFRIGERANT SUCTION / VAPOR
SMR	SNOWMELT RETURN
SMS	SNOWMELT SUPPLY
V	VENT PIPING
•	POINT OF CONNECTION OF NEW TO EXISTING

RESPONSIBLE DIVISION:

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE AND WIRED AS FOLLOWS:

ITEM	FURNISHED	SET	POWER WIRED	CONTROL WIRED
EQUIPMENT	23	23	26	--
COMBINATION MAGNETIC MOTOR STARTERS, MAGNETIC MOTOR STARTERS, VFD'S AND CONTACTORS	23(1)	26	26(2)	23
FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATERS, MANUAL MOTOR STARTERS	26	26	26	--
MANUAL-OPERATING AND MULTI-SPEED SWITCHES	23	26	26	26
CONTROLS, RELAYS, TRANSFORMERS	23	23	26	23
THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES	23	23	26	23
THERMOSTATS (LINE VOLTAGE)	23	23	26	26
TEMPERATURE CONTROL PANELS	23	23	26	23
MOTOR AND SOLENOID VALVES, DAMPER MOTORS, PE & EP SWITCHES	23	23(2)	--	23(2)
PUSH-BUTTON STATIONS AND PILOT LIGHTS	23	23(2)	--	23(2)
HEATING, COOLING, VENTILATION AND AIR CONDITIONING CONTROLS	23	23	26	23
EXHAUST FAN SWITCHES	23	26	26	23(2)

SUBSCRIPT FOOTNOTES:

- MOTOR STARTER TO INCLUDE CONTROL TRANSFORMER, HOA SWITCH, (1) NO AND (1) NC AUXILIARY CONTACT, AND "ON" AND "OFF" PILOT LIGHTS.
- IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23. CONNECT UNDER DIVISION 26.

ABBREVIATIONS:

44" MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE	DIA DIAMETER	HP HORSEPOWER	PTAC PACKAGED TERMINAL AIR CONDITIONER
A AMPS	DIAG DIAGRAM	HR HOUR	PV PLUG VALVE
A ACCESS DOOR	DIFF DIFFERENTIAL	HT HEIGHT	PVC POLYVINYL CHLORIDE
AV AIR ADMITTANCE VALVE	DISCH DISCHARGE	HTR HEATER	QTY QUANTITY
ABV ABOVE	DIV DIVISION	HWR HEATING WATER RETURN	RA RETURN AIR GRILLE / REGISTER
AC AIR CONDITIONING UNIT	DN DOWN	HWS HEATING WATER SUPPLY	RCR REFLECTED CEILING PLAN
AC ABOVE COUNTER	DS DUCT SILENCER	HX HEAT EXCHANGER	RD ROOF DRAIN
AD AREA DRAIN (SEE SYMBOLS)	DWG DRAWING	HZ HERTZ	REL RELIEF
A.F.C. ABOVE FINISHED CEILING	DX DIRECT EXPANSION	ID INSIDE DIAMETER	REQ REQUIRED
A.F.G. ABOVE FINISHED GRADE	(E) EXISTING	IG ISOLATED GROUND	RF RETURN FAN
AIC AMPERE INTERRUPTING CAPACITY	EA EXHAUST AIR GRILLE/REGISTER	IN INCHES	RH RELATIVE HUMIDITY
AFCI ARC FAULT CIRCUIT INTERRUPTERS	EAT ENTERING AIR TEMPERATURE	INV INVERT	RHC REHEAT COIL
A.F.F. ABOVE FINISHED FLOOR	EC ELECTRICAL CONTRACTOR	JBOX JUNCTION BOX	RLA RATED LOAD AMPS
AHU AIR HANDLING UNIT	ECC ECCENTRIC	K KELVIN	RM ROOM
ALUM ALUMINUM	EF EXHAUST FAN	KW KILOWATT	RM REVOLUTIONS PER MINUTE
AP ACCESS PANEL OR DOOR	EFF EFFICIENCY	KVA KILOVOLT - AMPS	SA SUPPLY AIR GRILLE / REGISTER
ATS AUTOMATIC TRANSFER SWITCH	EL ELEVATION	L LENGTH	SC SHORT CIRCUIT
AV AUDIO / VIDEO	ELEC ELECTRIC	LAT LEAVING AIR TEMPERATURE	SCA SHORT CIRCUIT AVAILABLE
AVG AVERAGE	ELEV ELEVATOR	LV LAVATORY	SCCR SHORT CIRCUIT CURRENT RATING
AWG AMERICAN WIRE GAGE	EM EMERGENCY FUNCTION	LB POUND	SCH SCHEDULE
BAS BUILDING AUTOMATION SYSTEM	ENT ENTERING	LD LINEAR DIFFUSER	SD SMOKE DAMPER
BB BASEBOARD	EMT ELECTRIC METALLIC TUBE	LF LINEAR FEET	SEF SMOKE EXHAUST FAN
BD BACK DRAFT DAMPER	EQ EQUAL	LIN LINEAR	SF SUPPLY FAN
BFP BACK FLOW PREVENTOR	EQUIP EQUIPMENT	LIQ LIQUID	SH SENSIBLE HEAT
BL BOILER	EQUIV EQUIVALENT	LUM LUMEN	SH SHOWER
BLDG BUILDING	ES END SWITCH	LRA LOCKED ROTOR AMPS	SP STATIC PRESSURE
BLW BELOW	ESP EXTERNAL STATIC PRESSURE	LV LOUVER	SPD SURGE PROTECTION DEVICE
BOB BOTTOM OF BEAM	ET EXPANSION TANK	LVG LEAVING	SPEC SPECIFICATION
BOD BOTTOM OF DUCT	EWC ELECTRIC WATER COOLER	LWT LEAVING WATER TEMPERATURE	SQ SQUARE
BOP BOTTOM OF PIPE	EWI ENTERING WATER TEMPERATURE	MBH THOUSANDS OF BTU PER HOUR	SS STAINLESS STEEL
BSMT BASEMENT	EX EXHAUST	MC MECHANICAL CONTRACTOR	SS SAFETY SHOWER
BTU BRITISH THERMAL UNIT	EXF EXHAUST	MCA MINIMUM CIRCUIT AMPACITY	STD STANDARD
C CHILLER	EXPAN EXPANSION	MCB MAIN CIRCUIT BREAKER	STL STEEL
CAFCI COMBINATION ARC FAULT CIRCUIT INTERRUPTERS	EXT EXTERNAL	MD MOTORIZED DAMPER	SYS SYSTEM
CAP CAPACITY	F DEGREES FAHRENHEIT	MDP MAIN DISTRIBUTION PANEL	TEMP TEMPERATURE
CB CIRCUIT BREAKER	FA FREE AREA	MED MEDIUM	TR TRANSFER GRILLE / REGISTER
CBV CIRCUIT BALANCING VALVE	FC FAN COIL UNIT	MFR MANUFACTURER	TR TAMPER RESISTANT
CCT CORRELATED COLOR TEMPERATURE	FC FOOTCANDLE	MIN MINIMUM	TT TEMPERATURE TRANSMITTER
CKT CIRCUIT	FCV FLOW CONTROL VALVE	MISC MISCELLANEOUS	TTB TELECOMMUNICATIONS TERMINAL BACKBOARD
CFH CUBIC FEET PER HOUR	FD FIRE DAMPER	MLO MAIN LUG ONLY	TYP TYPICAL
CFM CUBIC FEET PER MINUTE	FD FLOOR DRAIN	MOCP MAXIMUM OVERCURRENT PROTECTION	TX TRANSFORMER
CHWR CHILLED WATER RETURN	FIN FINISHED	MTD MOUNTED	UC UNDERCUT DOOR
CHWS CHILLED WATER SUPPLY	FLA FULL LOAD AMPS	MUA MAKE-UP AIR UNIT	UH UNIT HEATER
CI CAST IRON	FLEX FLEXIBLE	N NEUTRAL	UNO UNLESS NOTED OTHERWISE
CL CENTER LINE	FLR FLOOR	NC NORMALLY CLOSED	UNOCC UNOCCUPIED
CLG CEILING	FOB FLAT ON BOTTOM	NEG NEGATIVE	UR URINAL
CMU CONCRETE MASONRY UNIT	FOT FLAT ON TOP	NIC NOT IN CONTRACT	V VOLTS
CO CLEAN OUT	FP FIRE PROTECTION	NL NIGHT / SECURITY LIGHT - DO NOT SWITCH	VA VOLT AMPERE
COL COLUMN	FP FIRE PUMP	NO NORMALLY OPEN	VAL VALVE
COMP COMPRESSOR	FPM FEET PER MINUTE	NOM NOMINAL	VAV VARIABLE AIR VOLUME UNIT
CONC CONCRETE	FPS FEET PER SECOND	NTS NOT TO SCALE	VFD VARIABLE FREQUENCY DRIVE
COND CONDENSATE	FS FLOW SWITCH	OA OUTSIDE AIR	VRF VARIABLE REFRIGERANT FLOW
CONN CONNECTION	FSD FIRE/SMOKE DAMPER	OBD OPPOSED BLADE DAMPER	VOLT VOLTAGE
CONT CONTINUATION	FT FEET	OC ON CENTER	VTR VENT THROUGH ROOF
CONTR CONTRACTOR	FX FLEXIBLE CONNECTION	OCC OCCUPIED	W WIDTH
CRI COLOR RENDERING INDEX	GND GROUND	OCP OVER CURRENT PROTECTION	W WATTS
CT COOLING TOWER	GA GAUGE	OD OUTSIDE DIAMETER	W WITH
CT CURRENT TRANSFORMER	GAL GALLON	OL OVERLOAD	WIO WITHOUT
CU CONDENSING UNIT	GALV GALVANIZED	ORD OVERFLOW ROOF DRAIN	WB WET BULB
CU COPPER	GEC GROUND ELECTRODE CONDUCTOR	OZ OUNCE	WC WATER COLUMN
CUH CABINET UNIT HEATER	GFCI / GFI GROUND FAULT CIRCUIT INTERRUPTER	PBD PARALLEL BLADE DAMPER	WC WATER CLOSET
CVB CONSTANT VOLUME BOX	GC GENERAL CONTRACTOR	PD PRESSURE DROP	VG WATER GAUGE
CWR CONDENSER WATER RETURN	GPH GALLONS PER HOUR	PH PHASE	VP WEATHERPROOF
CWS CONDENSER WATER SUPPLY	GPM GALLONS PER MINUTE	POS POSITIVE PRESSURE	WPIU WEATHERPROOF IN-USE
DB DRY BULB	GRS/LB GRAINS PER POUND	POS POINT OF SALES	WSR WITHSTAND RATING
DEPT DEPARTMENT	H 2O WATER	PRV PRESSURE REDUCING VALVE	XFMR TRANSFORMER
DF DRINKING FOUNTAIN	HD HOSE BIBB	PS PRESSURE SWITCH	
	HP HEAD (SEE SCHEDULES)	PSI POUNDS PER SQUARE INCH	
		PT PRESSURE TRANSMITTER	

SUBSTITUTIONS:

A. SUBSTITUTIONS: SUBSTITUTION OF SPECIFIED EQUIPMENT WILL BE ALLOWED THROUGH A PRIOR APPROVAL PROCESS INITIATED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT INTENDED SUBSTITUTION AT LEAST FIVE DAYS PRIOR TO BID FOR APPROVAL FROM ENGINEER. SUBMITTAL SHALL INCLUDE CAPACITIES, DIMENSIONS AND OPERATING INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT. SUBSTITUTION SHALL OCCUR AT NO COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF APPROVED SUBSTITUTION AND SHALL INCUR ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING STRUCTURAL MODIFICATIONS, SPACE LAYOUT AND REDESIGN COSTS. SEE ALSO DIVISION I GENERAL REQUIREMENTS.

EXAMINATION OF SITE, DRAWINGS, SPECIFICATIONS:

- EXAMINE CAREFULLY THE SITE AND CONDITIONS OF THE SITE. PROVIDE ALL NECESSARY EQUIPMENT AND LABOR TO INSTALL A COMPLETE WORKING SYSTEM WITHIN THE SITE CONDITIONS.
- EXAMINE THE DRAWINGS AND SPECIFICATIONS 5 DAYS PRIOR TO BIDDING REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES AND CONFLICTS TO THE ENGINEER TO BE REMEDIED IN AN ADDENDUM TO THE PROJECT PRIOR TO BID TIME.
- DRAWINGS ARE DIAGRAMMATIC AND CATALOG NUMBERS GIVEN ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CAPACITY OF THE EQUIPMENT MEETS THE DRAWING REQUIREMENTS AND SHALL NOT DIMENSION FROM THE MECHANICAL, PLUMBING, OR PIPING DRAWINGS.
- THE LATEST ADOPTED VERSIONS OF THE INTERNATIONAL BUILDING CODES SHALL BE USED AS REQUIRED. THIS WILL ALSO INCLUDE THE LATEST ADOPTED VERSIONS OF THE MECHANICAL, PLUMBING, AND ENERGY CONSERVATION CODES. ALL METHODS AND MATERIALS REQUIRED BY THESE CODES SHALL BE REQUIRED BY THESE SPECIFICATIONS UNLESS INDICATED OTHERWISE. OTHER APPLICABLE LOCAL CODES AND ORDINANCES SHALL BE AS REQUIRED AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THESE REQUIREMENTS.
- WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL BEING INSTALLED, PRINTED COPIES OF THESE RECOMMENDATIONS SHALL BE FURNISHED TO THE ENGINEER PRIOR TO INSTALLATION. INSTALLATION OF THE ITEM WILL NOT BE ALLOWED TO PROCEED UNTIL THE RECOMMENDATIONS ARE RECEIVED. FAILURE TO FURNISH THESE RECOMMENDATIONS CAN BE CAUSE FOR REJECTION OF THE MATERIAL.

AIRPORT ROAD STORAGE

MECHANICAL - COVER SHEET

1453 AIRPORT ROAD RIFLE, COLORADO

DATE:	ISSUED FOR:
10/02/2025	PERMIT

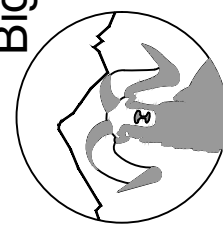


DATE:	10/02/2025
JOB NO:	25-322
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	
SHEET NUMBER:	

MO-1

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS FOR ADDITION TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.

Bighorn Consulting Engineers, Inc.
Mechanical & Electrical Engineers
386 Indian Road
Grand Junction, CO 81501
Phone: (970) 241-8709



AIRPORT ROAD STORAGE

MECHANICAL - FLOOR PLAN

1453 AIRPORT ROAD
RIFLE, COLORADO

DATE:	ISSUED FOR:
10/02/2025	PERMIT



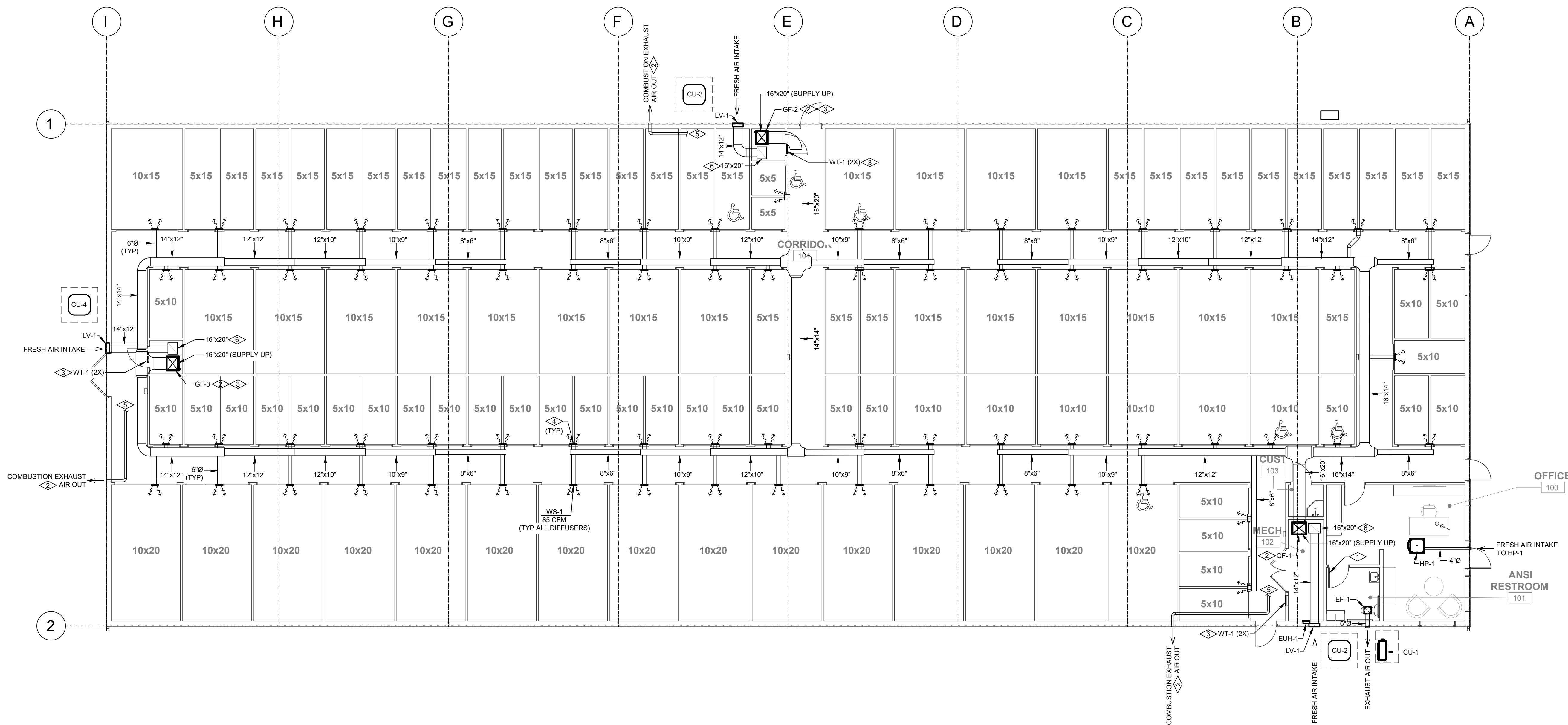
DATE:	10/02/2025
JOB NO:	25-322
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	M1-1

MECHANICAL GENERAL NOTES:

- DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS AND SIZES MAY VARY DURING FIELD COORDINATION & INSTALLATION OF MECHANICAL, PLUMBING, & ELECTRICAL. DRAWINGS DO NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS. TAKE ALL DIMENSIONS FROM ARCHITECTURAL DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS AND FROM THE STRUCTURE ITSELF BEFORE FABRICATING ANY WORK. VERIFY ALL SPACE REQUIREMENTS COORDINATING WITH OTHER TRADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED WITHOUT EXTRA CHARGES TO THE OWNER.
- DUCT DIMENSIONS DO NOT REFLECT ADDITIONAL DIMENSIONS FOR INSULATION. ALL DUCTING SHALL BE INSULATED PER 2021 IECC CODE REQUIREMENTS. (SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH NOT LESS THAN R-8 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND WHERE LOCATED OUTSIDE THE BUILDING WITH NOT LESS THAN R-8 INSULATION IN CLIMATE ZONES 0 THROUGH 4 AND NOT LESS THAN R-12 INSULATION IN CLIMATE ZONES 5 THROUGH 8. DUCTS LOCATED UNDERGROUND BENEATH BUILDINGS SHALL BE INSULATED AS REQUIRED IN THIS SECTION OR HAVE AN EQUIVALENT THERMAL DISTRIBUTION EFFICIENCY. UNDERGROUND DUCTS UTILIZING THE THERMAL DISTRIBUTION EFFICIENCY METHOD SHALL BE LISTED AND LABELED TO INDICATE THE R-VALUE EQUIVALENCY. WHERE LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY NOT LESS THAN R-8 INSULATION IN CLIMATE ZONES 0 THROUGH 4 AND NOT LESS THAN R-12 INSULATION IN CLIMATE ZONES 5 THROUGH 8. GARFIELD COUNTY IS **CLIMATE ZONE 5B**).
- COORDINATE FINAL LOCATION OF THERMOSTAT WITH OWNER PRIOR TO INSTALLATION. IF THERMOSTAT IS LOCATED ON EXTERIOR WALL PROVIDE THERMOSTAT WITH INSULATED BACKING.
- CONDENSING WATER HEATER AND GAS FURNACE VENT MATERIAL SHALL COMPLY WITH MANUFACTURER'S LISTED AND APPROVED MATERIALS. PVC SHALL NOT BE USED FOR FLUE/COMBUSTION AIR VENTING MATERIAL. ENGINEERS PREFERRED MATERIAL IS PRESSURE RATED, DOUBLE WALL, GASKETED, 316 STAINLESS STEEL CONDENSING FLUE VENTING MATERIAL. RECOMMENDED MANUFACTURER'S SELKIRK OR JERMIAS.
- ALL REFRIGERANT LINES SHALL BE INSULATED IN A WORKMAN LIKE MANNER PER MANUFACTURER'S INSTRUCTIONS. REFRIGERANT LINES LONGEST LENGTHS SHALL BE 75'.
- ROUTE CONDENSATE FROM MECHANICAL EQUIPMENT TO BE DISCHARGED INDIRECTLY THROUGH AIR GAP TO NEAREST FLOOR DRAIN.
- MECHANICAL EQUIPMENT MANUFACTURERS AS SCHEDULED ON MECHANICAL DRAWINGS ARE SUGGESTED MANUFACTURER'S. UNLESS NOTED OTHERWISE DUE TO OWNER/CLIENT REQUIREMENTS AND PREFERENCES. MECHANICAL CONTRACTOR CAN SUBMIT EQUIVALENT EQUIPMENT FROM MANUFACTURERS THAT DIFFER FROM SCHEDULED MECHANICAL EQUIPMENT. ALTERNATE MANUFACTURERS OF MECHANICAL EQUIPMENT WILL BE REVIEWED FOR EQUIVALENCE OF PERFORMANCE AND FUNCTIONALITY BY ENGINEER. REFERENCE SUBSTITUTIONS SECTION ON COVER SHEET.
- SINGLE PHASE VRF HEAT PUMP CONDENSER MODULES SHALL BE PROVIDED WITH LOCAL POWER SOURCE PROTECTION. POWER SOURCE PROTECTION DEVICE SHALL BE BETWEEN MAIN POWER SUPPLIED TO THE UNIT AND INTERNAL COMPONENTS. POWER PROTECTION DEVICE SHALL PROVIDE PROTECTION FROM VOLTAGE SAG AND SPORADIC FREQUENCY. POWER PROTECTION DEVICE SHALL AUTOMATICALLY SHUT OFF CONDENSER MODULE UPON DETECTION OF POWER EVENT. PHASE PROTECTION DEVICE SHALL AUTOMATICALLY ENERGIZE AND START UP CONDENSER MODULE UPON POWER EVENT ENDING. POWER MONITOR PROTECTION DEVICE SHALL BE SIMILAR/EQUIVALENT TO ICM #493 WITH 2-POLE CONFIGURATIONS.

M1-1 MECHANICAL KEYNOTES:

- UNDERCUT DOOR 1".
- PROVIDE GAS FURNACE WITH COMBUSTION EXHAUST VENT FLUE TO EXTERIOR WALL THROUGH 4"Ø VENT MATERIALS (REFER TO MECHANICAL GENERAL NOTES, #4). ENSURE THAT EXHAUST VENT IS NO LESS THAN 10 FT FROM ANY FRESH AIR INTAKE OR OPERABLE WINDOW/DOOR. ENSURE THAT EXHAUST DUCT IS PITCHED UP BY A MINIMUM OF 1/4" PER FOOT PER IMC 803.10.5.
- COMBUSTION AIR SUPPLY TO GAS FURNACE. IF COMBUSTION AIR WILL ORIGINATE FROM WITHIN THE BUILDING (FROM AN ADJACENT INDOOR SPACE), AIR MUST BE PROVIDED TO THE GAS FURNACE FROM TWO PERMANENT OPENINGS TO THE INTERIOR ROOM WHERE THE GAS FURNACE IS LOCATED. (REFER TO DETAIL ON SHEET M3-1). OPENINGS CONNECTING INDOOR SPACES MUST BE SIZED AND LOCATED IN ACCORDANCE WITH THE INTERNATIONAL FUEL GAS CODE (IFGC) SECTION 304.5.3.1:
 - EACH OPENING MUST HAVE A MINIMUM FREE AREA OF 1 SQ INCH PER 1,000 BTU/HR (1 MBH). FOR (1) 100 MBH GAS FURNACE, THIS EQUATES TO TWO OPENINGS, EACH WITH A MIN FREE AREA OF 100 SQ INCHES.
 - ONE OPENING TO COMMENCE WITHIN 12 INCHES OF THE TOP OF THE ENCLOSURE.
 - ONE OPENING TO COMMENCE WITHIN 12 INCHES OF THE BOTTOM OF THE ENCLOSURE.
- FOR DIFFUSERS THAT SUPPLY AIR TO TWO STORAGE UNITS, ADJUST THE VERTICAL BLADES ON THE DIFFUSER SO THAT THE AIRFLOW SPREADS OUT EVENLY BETWEEN THE TWO UNITS.
- EXHAUST DUCT CONTINUES FROM GAS FURNACE. FIELD COORDINATE EXACT DUCT ROUTING.
- RETURN AIR DUCT DOWN TO FURNACE. DUCT IS OPEN ON TOP AND PULLS AIR IN NEAR CEILING. PROVIDE AT LEAST 20 IN OF CLEARANCE ABOVE RETURN INLET.



MECHANICAL - FLOOR PLAN

SCALE: 1/8" = 1'-0"

MECHANICAL PROVISIONS:

1. SCOPE OF WORK

- A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
- B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH ALL LOCAL CODES AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.
- C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY EFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
- D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ENGINEER OR ARCHITECT.

2. PERMITS

- A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

3. SHOP DRAWINGS

- A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT FIVE SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.

4. FLEXIBLE DUCT WORK

- A. FLEXIBLE TYPE DUCT SHALL BE OF TWO ELEMENT SPIRAL CONSTRUCTION COMPOSED OF A CORROSION RESISTANT METAL SUPPORTING SPIRAL AND COATED FABRIC WITH A MINERAL BASE. FLEXIBLE DUCT CONNECTORS SHALL BE LISTED BY UL, CLASS 1 DUCTS, AND SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50.
- B. USE OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO NO MORE THAN 6 LINEAR FEET PER RUN.
- C. CONTRACTOR SHALL BE CAREFUL SO AS NOT TO KINK OR COLLAPSE FLEXIBLE DUCT.

5. REFRIGERANT

- A. PIPING CONTRACTOR SHALL PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A WAY AS TO BE INCONSPICUOUS AND FREE FROM ANY POSSIBLE CONDENSATION.
- B. INSULATE REFRIGERANT LINES WITH ARMOUR-FLEX TYPE INSULATION. SHALL BE TYPE "K" COPPER TUBING, WITH WROUGHT COPPER SOLDER TYPE FITTINGS SUITABLE FOR CONNECTION WITH SILVER SOLDER.

6. DUCTWORK

- A. THE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "SMACNA" APPLICABLE MANUALS.
- B. ALL DUCTWORK SHALL BE THE LOW VELOCITY TYPE, UNLESS SPECIFIED OTHERWISE.
- C. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE DAMPERS AND ACCESS PANELS IN ANY AND ALL DUCTWORK WHICH PENETRATES A HORIZONTAL OR VERTICAL FIRE PARTITION, OR AS OTHERWISE SHOWN ON DRAWINGS.
- D. ALL BRANCH DUCTS TO HAVE VOLUME DAMPERS. SMOOTH TURN RADIUS DUCTWORK OR TURNING VANES SHALL BE USED THROUGHOUT WHERE FLOW EXCEEDS 150 CFM.
- E. ALL DUCT JOINTS TO BE SEALED IN ACCORDANCE WITH "SMACNA" STANDARDS AND ACCEPTED GOOD PRACTICE.
- F. ALL DUCT DIMENSIONS SHOWN ARE NET INSIDE VALUES. DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED.
- G. ALL CONCEALED DUCTWORK SHALL BE INSULATED WITH 1-1/2" FIBERGLASS INSULATING BLANKET WITH ALUMINUM FOIL FACING.
- H. ALL SUPPLY AND RETURN DUCTWORK 15 FEET DOWNSTREAM OF THE HVAC UNIT SHALL BE INTERNALLY LINED WITH A 1/2" ACOUSTICAL DUCT LINER UNLESS OTHERWISE NOTED ON THE DRAWINGS.

7. DRAINAGE PIPING

- A. (CONDENSATE) SHALL BE SCHEDULE 40 PVC PIPE WITH SOLVENT JOINTS. UNLESS NOTED OTHERWISE ON FLOOR PLAN, MATERIALS USED IN RETURN AIR PLENUMS MUST COMPLY WITH ASTM E84 FLAME/SMOKE 25/50 SPREAD INDEX REQUIREMENTS. PITCH HORIZONTAL LINES 1" IN 10'-0". CONDENSATE DRAINS SHALL BE ROUTED TO FLOOR DRAIN, ROOF DRAIN OR INDIRECT WASTE DRAIN.

8. HVAC CONTROLS

- A. CONTRACTOR TO SUPPLY AND INSTALL ALL CONTROL WIRING AND THERMOSTATS AS REQUIRED.

9. ELECTRICAL

- A. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF WIRING FOR EACH HVAC UNIT.

10. PIPE SUPPORTS

- A. ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE OR METAL STRAP (SUPPORT) PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL NOT EXCEED 8 FEET FOR ALL PIPING. PLASTIC PIPING TO BE SUPPORTED EVERY 4 FEET.

11. GAS PIPING

- A. PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON FITTINGS. WHERE GAS PIPE CONNECTS TO EQUIPMENT, IT SHALL BE PROVIDED WITH A DRIP LEG THE FULL SIZE OF THE RUNOUT. A 100% SHUT-OFF VALVE AND A UNION. GAS PIPING CONTAINING PRESSURE GREATER THAN 9" W.G. SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH WELDED JOINTS.

12. MISCELLANEOUS

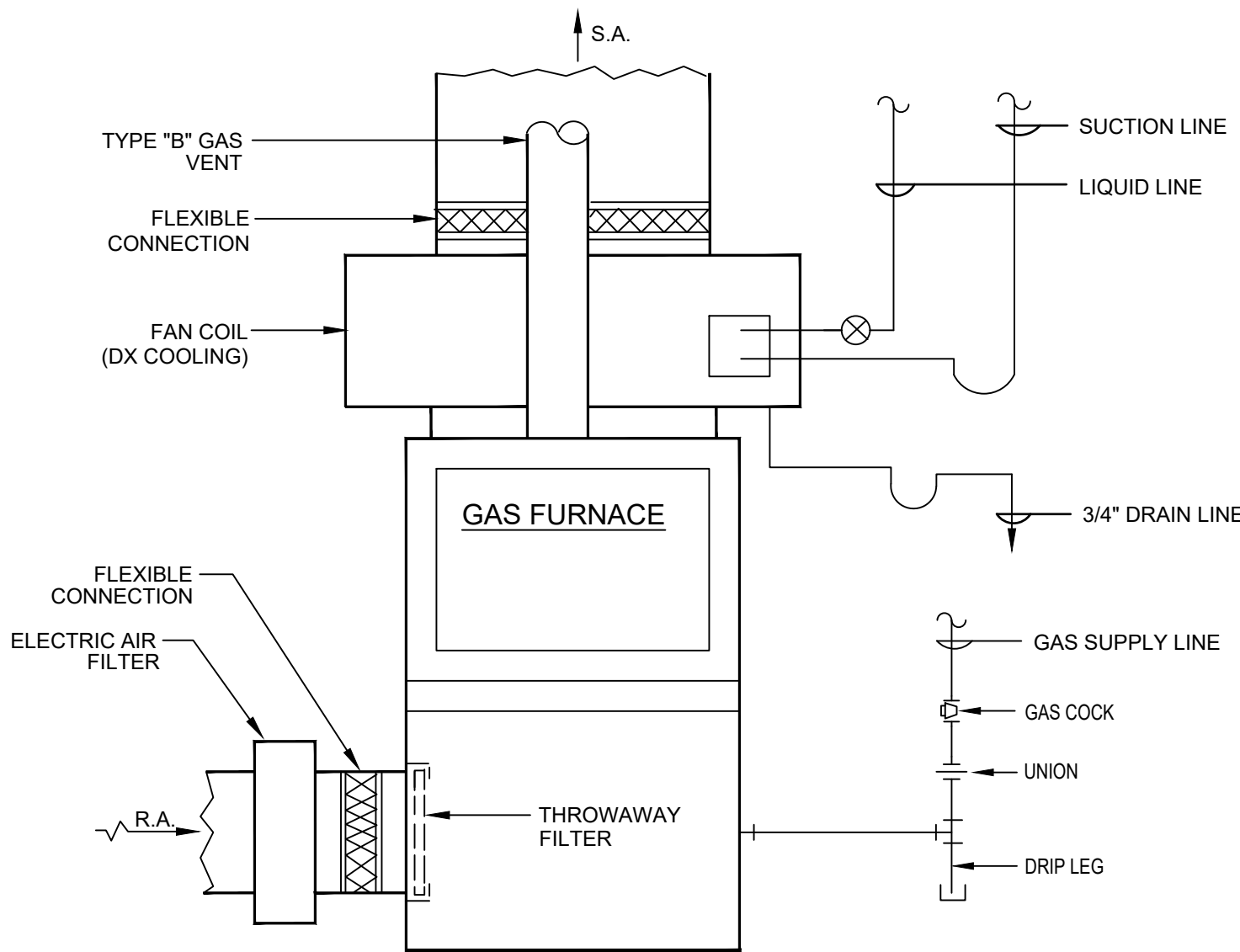
- A. ALL EXTERIOR OPENINGS TO BE PROPERLY CAULKED AND SEALED WITH A SEALANT OF HIGH QUALITY AND LONG LIFE, TO PREVENT INFILTRATION OF OUTSIDE AIR INTO CONDITIONED SPACE. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.
- B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS.
- C. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
- D. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT.
- E. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
- F. PEX TUBING, IF PEX TUBING IS USED AS AN APPROVED ALTERNATE FOR APPLICATIONS WHERE METALLIC PIPING IS THE BASIS OF DESIGN, THE PEX MANUFACTURER SHALL SUBMIT SHOP DRAWINGS CLEARLY INDICATING THAT THE DESIGN HAS BEEN ANALYZED AND MODIFIED, AS REQUIRED TO MAINTAIN SCHEDULED HYDRONIC SYSTEM PARAMETERS. ANY DESIGN RESULTING IN INCREASED SYSTEM PRESSURE DROP AS A RESULT OF IMPROPER PEX SIZING OR DESIGN SHALL NOT BE PERMITTED.

13. TESTING AND BALANCING

- A. THE HVAC SYSTEM SHALL BE TESTED AND AND BALANCED BY AN INDEPENDENT AGENCY. UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. A SEALED TYPE WRITTEN REPORT SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.

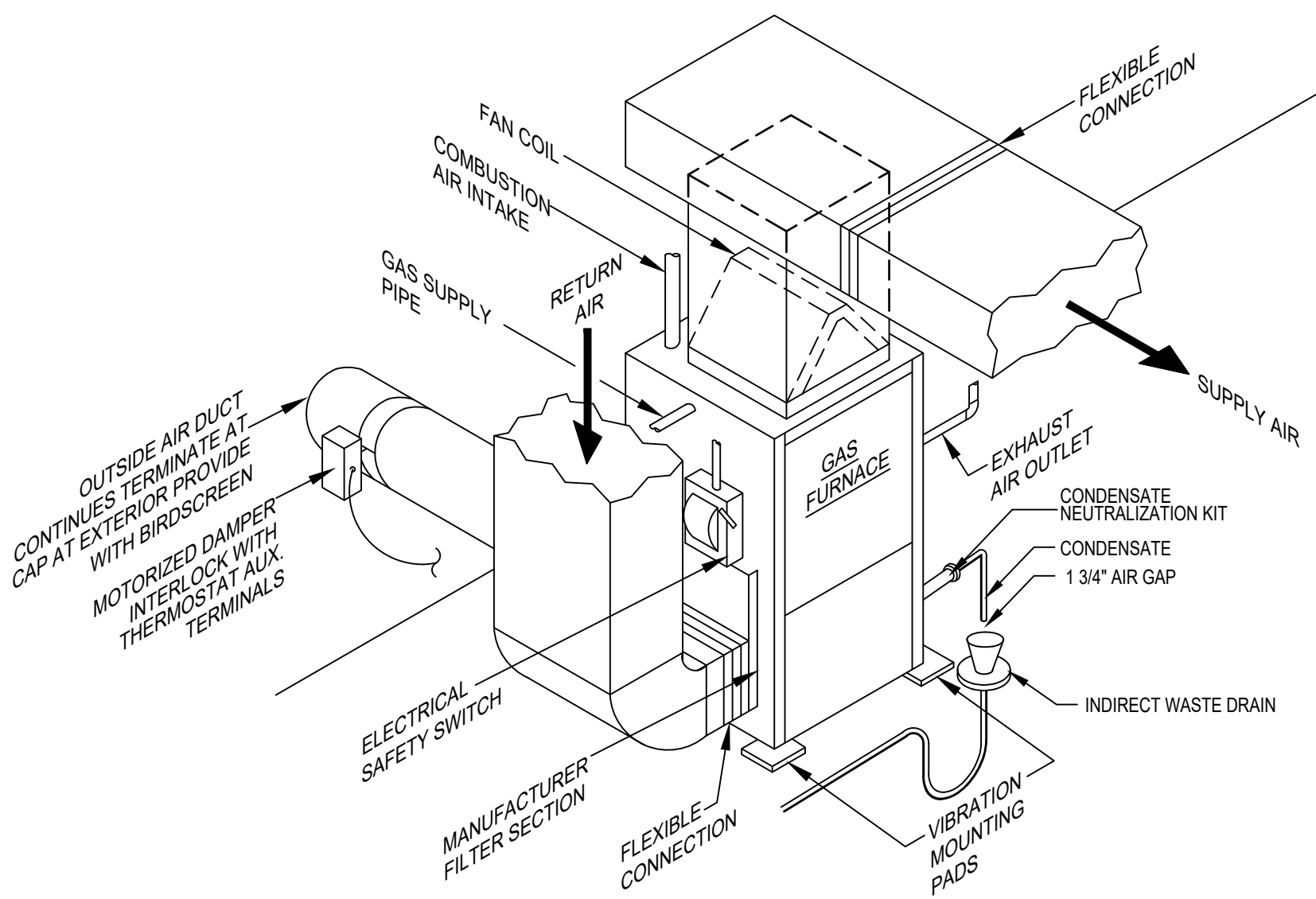
14. GUARANTEE

- A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.
- B. FOR THE SAME PERIOD, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.



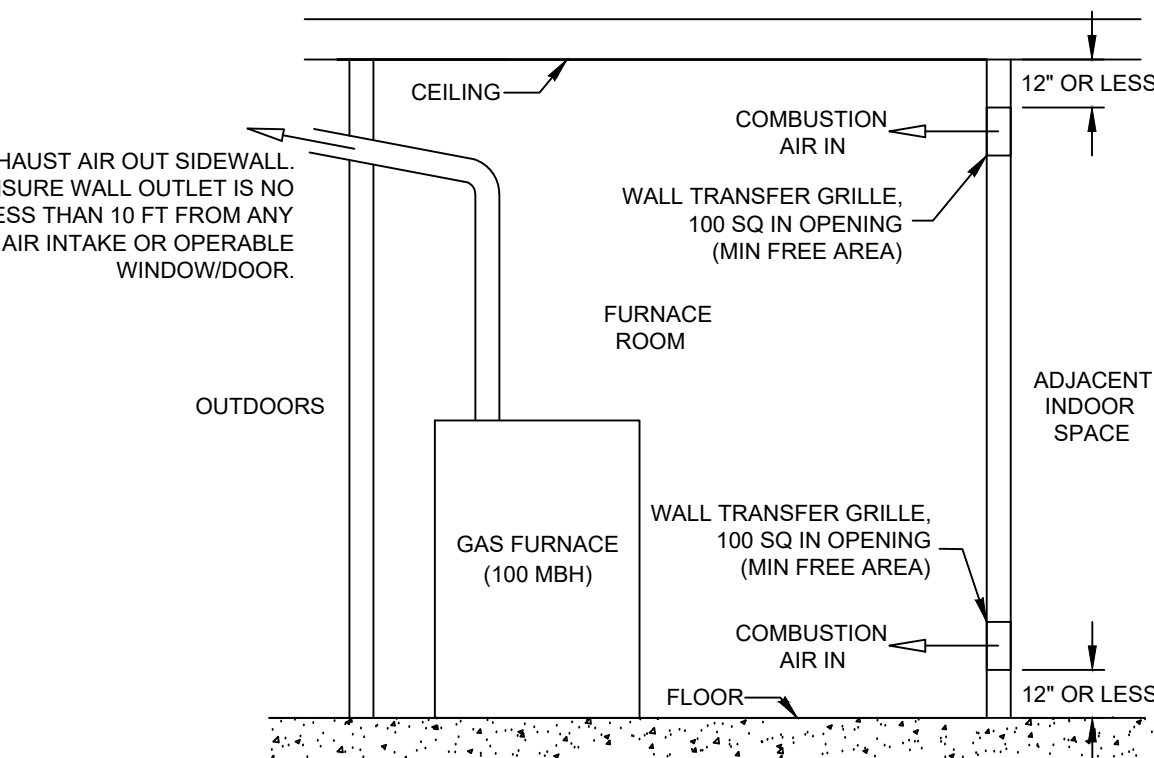
UPFLOW GAS FURNACE WITH DX COOLING COIL

NOT TO SCALE



UPFLOW GAS FURNACE DETAIL

NOT TO SCALE



COMBUSTION AIR TO GAS FURNACE FROM ADJACENT SPACE DETAIL

NOT TO SCALE

IN ACCORDANCE WITH THE INTERNATIONAL FUEL GAS CODE (IFGC) SECTION 304.5.3.1

GAS FURNACE SCHEDULE																
EQUIPMENT NO.	SERVICE	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	E.S.P. (IN WG.)	HEATING			EFF. A.F.U.E	FAN HP	COOLING TONS	ELECTRICAL			WEIGHT (LBS)	MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
					GAS (CFH)	INPUT (MBH)	OUTPUT (MBH)				V/PH/HZ	MCA	MOCp			
GF-1	STORAGE AREA HEATING	2,000	800	0.4	110	100	80.6	80%	1	5	120/1/60	14.1	15	136	TRANE S8X2C100M5PSC	SEE NOTE 1
GF-2	STORAGE AREA HEATING	2,000	800	0.4	110	100	80.6	80%	1	5	120/1/60	14.1	15	136	TRANE S8X2C100M5PSC	SEE NOTE 1
GF-3	STORAGE AREA HEATING	2,000	800	0.4	110	100	80.6	80%	1	5	120/1/60	14.1	15	136	TRANE S8X2C100M5PSC	SEE NOTE 1

NOTES:

1. HIGH EFFICIENCY GAS FIRED FURNACE W/ DX COOLING COIL. PROVIDE 2-STAGE MODULATING FURNACE, FILTER RACK MERV 8 FILTERS, ORFICES SIZED FOR PROJECT ALTITUDE, RETURN THROUGH BASE, DX COOLING COIL MATCHING EXTERIOR CONDENSER UNIT SIZE (TRANE 5TXCD008AS3, OR EQUIV.), REFRIGERANT LIQUID/SUCTION LINESET RECOMMENDED BY MANUFACTURER, DIRT LEG AND ISOLATION VALVE AT GAS CONNECTION TO UNIT, DIRECT VENT COMBUSTION AIR AND FLUE TO EXTERIOR THROUGH 4"Ø CATEGORY 4 VENTING MATERIALS, 7-DAY PROGRAMMABLE CONTROLS AND THERMOSTAT WITH NIGHTTIME/DAYTIME SETTINGS, AND VERTICAL SUPPLY DISCHARGE. PROVIDE WITH CONDENSATE DRAIN KIT WITH AIR GAP TO NEAREST DRAIN (FOR GF-1, REF. DETAIL ON SHEET P3-1), AND PROVIDE BLUEDIAMOND MEGABLUE CONDENSATE DRAIN PUMP KIT AND DRAIN TO EXTERIOR OF BUILDING ABOVE GRADE (FOR GF-2 & GF-3). COORDINATE FINAL LOCATIONS OF UNITS IN FIELD WITH FIELD CONDITIONS SUCH THAT EACH UNIT IS ACCESSIBLE FOR MAINTENANCE.

EXHAUST FAN SCHEDULE									
EQUIPMENT NO.	SERVICE	LOCATION	CFM	EXTERNAL STATIC PRESS (IN. W.G.)	RPM			MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
						POWER	VOLT/PH/HZ		
EF-1	RESTROOM	CEILING	50 - 110	0.1 - 0.375	760 - 1356	3.1W - 5.4W	120/1/60	PANASONIC, FV-0515VKS2	SEE NOTE 1
NOTES: 1. INCLUDES PANASONIC FV-VS15VK1 MULTI-SPEED W/ TIME DELAY (BUILT-IN). PROGRAM SUCH THAT FAN WILL RUN CONTINUOUSLY AT 50 CFM (MIN), THEN ELEVATES TO 110 CFM WHEN THE WALL SWITCH IS TURNED ON, OR WHEN A MOTION SENSOR IS ACTIVATED. IF MOTION SENSOR IS PREFERRED, PROVIDE WITH PANASONIC FV-MSVK1 MOTION SENSOR.									

VRF AIR COOLED CONDENSING UNIT SCHEDULE									
EQUIPMENT NO.	SERVICE	NOM. COOLING CAPACITY (BTU/HR)	REFRIG. PIPING		ELECTRIC			MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
			LIQUID	VAPOR	V/PH/HZ	MOCp	MCA		
CU-1	HP-1	15,000	1/4"	1/2"	230/1/60	42 A	25 A	MITSUBISHI SUZ-AA15NLHZ	SEE NOTE 1
CU-2	FAN COIL W/ GF-1	60,000	3/8"	7/8"	230/1/60	60 A	39 A	TRANE 5TTR7060A1	SEE NOTE 1
CU-3	FAN COIL W/ GF-2	60,000	3/8"	7/8"	230/1/60	60 A	39 A	TRANE 5TTR7060A1	SEE NOTE 1
CU-4	FAN COIL W/ GF-3	60,000	3/8"	7/8"	230/1/60	60 A	39 A	TRANE 5TTR7060A1	SEE NOTE 1
NOTES:									
1. PROVIDE LINE SET AS RECOMMENDED BY MANUFACTURER, POWER DISCONNECT, POWERED CONVENIENCE OUTLET.									

INDOOR VRF UNIT EQUIPMENT SCHEDULE									
EQUIPMENT NO.	SERVICE	NOM. COOLING CAPACITY (BTU/HR)	NOM. HEATING CAPACITY (BTU/HR)	CFM	EER2	REFRIG. PIPING		MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
						LIQUID	SUCTION		
HP-1	OFFICE	15,000	17,000	405	12.7	1/4"	1/2"	MITSUBISHI SLZ-AF15NL	SEE NOTE 1
NOTES:									
1. PROVIDE WITH POWER DISCONNECT, LINESET RECOMMENDED BY MANUFACTURER. PROVIDE 4"Ø DUCT FOR FRESH AIR INTAKE THROUGH CUTOUT HOLE ON SIDE OF UNIT. LOCATE IN FIELD THE EXACT DUCT ROUTING TO SIDEWALL AND PROVIDE WITH WALL VENT AT SIDEWALL PENETRATION. ENSURE THAT FRESH AIR INLET IS NO LESS THAN 10 FT FROM ANY EXHAUST AIR OUTLET. SEE OUTDOOR UNIT FOR ELECTRICAL (INDOOR UNIT IS POWERED BY THE OUTDOOR UNIT). PROVIDE WITH CONDENSATE DRAIN KIT WITH AIR GAP TO NEAREST FLOOR DRAIN.									

GRILLE-REGISTER-DIFFUSER-LOUVER SCHEDULE							
EQUIPMENT NO.	DESCRIPTION	SIZE	DUCT CONN. SIZE	MANUFACTURER	MODEL	FINISH	OPTIONS/ACCESSORIES
WS-1	WALL SUPPLY	12" x 4"	6"Ø	PRICE	540	WHITE	SEE NOTE 1
WT-1	WALL TRANSFER	16" x 14"	N/A	PRICE	21	WHITE	SEE NOTE 2
LV-1	EXTERIOR WALL INTAKE LOUVER	18" x 20"	14" x 12"	GREENHECK	ESD-635-18x20	MILL	SEE NOTE 3

NOTES:

1. STEEL CONSTRUCTION. ADJUSTABLE FRONT BLADES. PROVIDE WITH DAMPER AND MOUNTING SURFACE/HARDWARE.

2. ALUMINUM CONSTRUCTION. 3/4" SPACING, SINGLE DEFLECTION. PROVIDE WITH WALL MOUNTING SURFACE/HARDWARE.

3. ALUMINUM CONSTRUCTION. EXTERIOR WALL FRESH AIR INLET LOUVER. PROVIDE WITH DRAINABLE BLADES

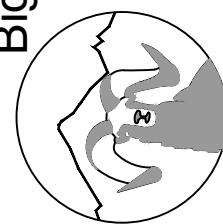
ELECTRIC UNIT HEATER SCHEDULE							
EQUIPMENT NO.	SERVICE	BTU/HR	POWER (W)	AMPS	V/PH/HZ	MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
EUH-1	MECH ROOM	1,706	500	4 A	120/1/60	BROAN 165F	SEE NOTE 1

NOTES:

1. PROVIDE WITH 171H ROUGH-IN HOUSING AND INTEGRAL THERMOSTAT. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE, ON ANY OTHER PROJECTS FOR ADDITIONS TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.

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AIRPORT ROAD STORAGE
MECHANICAL - DETAILS
1453 AIRPORT ROAD
RIFLE, COLORADO

DATE: 10/02/2025
ISSUED FOR: PERMIT



DATE: 10/02/2025
JOB NO: 25-322
DRAWN BY: BCE
CHECKED BY: BCE
SCALE:
SHEET NUMBER: M3-1

PLUMBING PIPE DESIGNATIONS	
LINE TYPE	DESCRIPTION
140	HIGH TEMPERATURE (140°) WATER PIPE
— — — — —	COLD WATER PIPE (CW)
CA	COMPRESSED AIR
DC	DECONTAMINATION PIPING
DER	DEIONIZED WATER RETURN
DES	DEIONIZED WATER SUPPLY
DIS	DISTILLED WATER SUPPLY
DIR	DISTILLED WATER RETURN
CD	EQUIPMENT CONDENSATE DRAIN
FP	FIRE MAIN
GW	GREASE WASTE PIPE
HE	HELIUM
HPS	HIGH PRESSURE STEAM
HPC	HIGH PRESSURE CONDENSATE
	HOT WATER RECIRCULATION (HWR)
— — — — —	HOT WATER PIPE (HW)
H2	HYDROGEN
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
MA	MEDICAL AIR
— G — — —	NATURAL GAS PIPE
N2	NITROGEN
N2O	NITROUS OXIDE
ORD	OVERFLOW STORM WATER PIPE
O2	OXYGEN
PG	PROPANE GAS
RD	ROOF DRAIN PIPE
— — — — —	SOIL OR WASTE PIPE
S/O	SOIL / OIL WASTE PIPE
TWR	TOWER WATER RETURN
TWS	TOWER WATER SUPPLY
VAC	VACUUM
	VENT PIPE (V)

PLUMBING ELEMENTS / VALVING			
LINE TYPE	DESCRIPTION	LINE TYPE	DESCRIPTION
	PRESSURE REDUCING VALVE (PRV)		PIPE RISING UP
	GATE VALVE		PIPE DROPPING DOWN
	GLOBE VALVE		UNION - SCREWED OR FLANGED
	PLUG VALVE		PRESSURE TRANSMITTER OR PRESSURE SWITCH
	BUTTERFLY VALVE		THERMOMETER/TEMPERATURE INDICATOR
	BALL VALVE		GAUGE WITH GAUGE COCK/ PRESSURE INDICATOR
	SWING CHECK VALVE		BACKFLOW PREVENTOR (REDUCED ZONE)
	LIFT CHECK VALVE		BACKFLOW PREVENTOR (DOUBLE CHECK VALVE ASSEMBLY)
	GATE VALVE, ANGLE		WATER HAMMER ARRESTER
	GLOBE VALVE, ANGLE		CIRCUIT SETTING
	TEMPERATURE AND PRESSURE RELIEF VALVE		HOSE BIBB
	RELIEF/SAFETY VALVE		ROOF DRAIN
	GAS COCK		FLOOR DRAIN
	GAS PRESSURE REGULATOR		AREA DRAIN
	STRAINER		FLOOR CLEAN OUT
	STRAINER WITH BLOW OFF VALVE		FLOOR SINK
	WATER HEATER		CLEAN OUT TO GRADE
	WATER METER		WALL CLEAN OUT
	PRESSURE GAGE		FLEXIBLE-CONNECTION
	TEMPERATURE GAGE		CHECK VALVE
			VACUUM BREAKER

RESPONSIBLE DIVISION:

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE AND WIRED AS FOLLOWS:

ITEM	FURNISHED	SET	POWER WIRED	CONTROL WIRED
EQUIPMENT	23	23	26	--
COMBINATION MAGNETIC MOTOR STARTERS, MAGNETIC MOTOR STARTERS, VFD'S AND CONTACTORS	23(1)	26	26(2)	23
FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATERS, MANUAL MOTOR STARTERS	26	26	26	--
MANUAL-OPERATING AND MULTI-SPEED SWITCHES	23	26	26	26
CONTROLS, RELAYS, TRANSFORMERS	23	23	26	23
THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES	23	23	26	23
THERMOSTATS (LINE VOLTAGE)	23	23	26	26
TEMPERATURE CONTROL PANELS	23	23	26	23
MOTOR AND SOLENOID VALVES, DAMPER MOTORS, PE & EP SWITCHES	23	23(2)	--	23(2)
PUSH-BUTTON STATIONS AND PILOT LIGHTS	23	23(2)	--	23(2)
HEATING, COOLING, VENTILATION AND AIR CONDITIONING CONTROLS	23	23	26	23
EXHAUST FAN SWITCHES	23	26	26	23(2)

- SUBSCRIPT FOOTNOTES:
- MOTOR STARTER TO INCLUDE CONTROL TRANSFORMER, HOA SWITCH, (1) NO AND (1) NC AUXILIARY CONTACT, AND "ON" AND "OFF" PILOT LIGHTS.
 - IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23, CONNECT UNDER DIVISION 26.

ABBREVIATIONS:

44" MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE	DIA DIAMETER	HP HORSEPOWER	PTAC PACKAGED TERMINAL AIR CONDITIONER
A AMPS	DIAG DIAGRAM	HR HOUR	PV PLUG VALVE
A.D. ACCESS DOOR	DIFF DIFFERENTIAL	HT HEIGHT	PVC POLYVINYL CHLORIDE
AAV AIR ADMITTANCE VALVE	DISCH DISCHARGE	HTR HEATER	QTY QUANTITY
ABV ABOVE	DIV DIVISION	HWR HEATING WATER RETURN	RA RETURN AIR GRILLE / REGISTER
AC AIR CONDITIONING UNIT	DN DOWN	HWS HEATING WATER SUPPLY	RCR REFLECTED CEILING PLAN
AC ABOVE COUNTER	DS DUCT SILENCER	HX HEAT EXCHANGER	RD ROOF DRAIN
AD AREA DRAIN (SEE SYMBOLS)	DWG DRAWING	HZ HERTZ	REL RELIEF
A.F.C. ABOVE FINISHED CEILING	DX DIRECT EXPANSION	ID INSIDE DIAMETER	REQD REQUIRED
A.F.G. ABOVE FINISHED GRADE	(E) EXISTING	IG ISOLATED GROUND	RF RETURN FAN
AIC AMPERE INTERRUPTING CAPACITY	EA EXHAUST AIR GRILLE/REGISTER	IN INCHES	RH RELATIVE HUMIDITY
AFCI ARC FAULT CIRCUIT INTERRUPTERS	EAT ENTERING AIR TEMPERATURE	INV INVERT	RHC REHEAT COIL
A.H.U. AIR HANDLING UNIT	EC ELECTRICAL CONTRACTOR	JBOX JUNCTION BOX	RLA RATED LOAD AMPS
ALUM ALUMINUM	ECC ECCENTRIC	K KELVIN	RM ROOM
AP ACCESS PANEL OR DOOR	EFF EFFICIENT FAN	KW KILOWATT	RPM REVOLUTIONS PER MINUTE
ATS AUTOMATIC TRANSFER SWITCH	EFF EFFICIENCY	KVA KILO VOLT - AMPS	SA SUPPLY AIR GRILLE / REGISTER
AV AUDIO / VIDEO	EL ELEVATION	L LENGTH	SC SHORT CIRCUIT
AVG AVERAGE	ELEC ELECTRIC	LAT LEAVING AIR TEMPERATURE	SCA SHORT CIRCUIT AVAILABLE
AWG AMERICAN WIRE GAGE	ELEV ELEVATOR	LB POUND	SCCR SHORT CIRCUIT CURRENT RATING
BAS BUILDING AUTOMATION SYSTEM	EM EMERGENCY FUNCTION	LD LINEAR DIFFUSER	SCH SCHEDULE
BB BASEBOARD	ENT ENTERING	LF LINEAR FEET	SD SMOKE DAMPER
BD BACK DRAFT DAMPER	EMT ELECTRIC METALLIC TUBE	LIN LINEAR	SEF SMOKE EXHAUST FAN
BFP BACK FLOW PREVENTOR	EQ EQUAL	LIQ LIQUID	SF SUPPLY FAN
BL BOILER	EQUIP EQUIPMENT	LM LUMEN	SH SENSIBLE HEAT
BLDG BUILDING	ES END SWITCH	LRA LOOKED ROTOR AMPS	SH SHOWER
BLW BELOW	ESP EXTERNAL STATIC PRESSURE	LV LOUVER	SP STATIC PRESSURE
BOB BOTTOM OF BEAM	ET EXPANSION TANK	LVT LEAVING WATER TEMPERATURE	SPD SURGE PROTECTION DEVICE
BOD BOTTOM OF DUCT	EWC ELECTRIC WATER COOLER	MBH THOUSANDS OF BTU PER HOUR	SPEC SPECIFICATION
BOP BOTTOM OF PIPE	EWI ENTERING WATER TEMPERATURE	MC MECHANICAL CONTRACTOR	SQ SQUARE
BSMT BASEMENT	EX EXHAUST	MCA MINIMUM CIRCUIT AMPACITY	SS STAINLESS STEEL
BTU BRITISH THERMAL UNIT	EXPAN EXPANSION	MCB MAIN CIRCUIT BREAKER	SS SAFETY SHOWER
C CHILLER	EXT EXTERNAL	MD MOTORIZED DAMPER	STD STANDARD
CAFCI COMBINATION ARC FAULT CIRCUIT INTERRUPTERS	F DEGREES FAHRENHEIT	MDP MAIN DISTRIBUTION PANEL	STL STEEL
CAP CAPACITY	FA FREE AREA	MED MEDIUM	SYS SYSTEM
CB CIRCUIT BREAKER	FC FAN COIL UNIT	MFR MANUFACTURER	TEMP TEMPERATURE
CBV CIRCUIT BALANCING VALVE	FC FOOTCANDLE	MIN MINIMUM	TR TRANSFER GRILLE / REGISTER
CCT CORRELATED COLOR TEMPERATURE	FCV FLOW CONTROL VALVE	MISC MISCELLANEOUS	TR TAMPER RESISTANT
CKT CIRCUIT	FD FIRE DAMPER	MLO MAIN LUG ONLY	TT TEMPERATURE TRANSMITTER
CFH CUBIC FEET PER HOUR	FD FLOOR DRAIN	MOCP MAXIMUM OVERCURRENT PROTECTION	TTB TELECOMMUNICATIONS TERMINAL BACKBOARD
CFM CUBIC FEET PER MINUTE	FIN FINISHED	MTD MOUNTED	TYP TYPICAL
CHWR CHILLED WATER RETURN	FLA FULL LOAD AMPS	MUA MAKE-UP AIR UNIT	TX TRANSFORMER
CHWS CHILLED WATER SUPPLY	FLEX FLEXIBLE	N NEUTRAL	UC UNDERCUT DOOR
CI CAST IRON	FLR FLOOR	NC NORMALLY CLOSED	UH UNIT HEATER
CL CENTER LINE	FOB FLAT ON BOTTOM	NEG NEGATIVE	UNO UNLESS NOTED OTHERWISE
CLG CEILING	FOT FLAT ON TOP	NIC NOT IN CONTRACT	UNOCC UNOCCUPIED
CMU CONCRETE MASONRY UNIT	FP FIRE PROTECTION	NL NIGHT / SECURITY LIGHT - DO NOT SWITCH	UR URINAL
COL COLUMN	FPM FEET PER MINUTE	NO NORMALLY OPEN	V VOLTS
COMP COMPRESSOR	FPS FEET PER SECOND	NOM NOMINAL	VA VOLT AMPERE
CONC CONCRETE	FS FIRE/SMOKE DAMPER	NTS NOT TO SCALE	VA VALVE
COND CONDENSATE	FT FEET	OA OUTSIDE AIR	VAV VARIABLE AIR VOLUME UNIT
CONN CONNECTION	FXC FLEXIBLE CONNECTION	OBD OPPOSED BLADE DAMPER	VFD VARIABLE FREQUENCY DRIVE
CONT CONTINUATION	GND GROUND	OC ON CENTER	VRF VARIABLE REFRIGERANT FLOW
CONTR CONTRACTOR	GA GAUGE	OCC OCCUPIED	VOLT VOLTAGE
CRI COLOR RENDERING INDEX	GAL GALLON	OCPP OVER CURRENT PROTECTION	VTR VENT THROUGH ROOF
CT COOLING TOWER	GALV GALVANIZED	OD OUTSIDE DIAMETER	W WIDTH
CT CURRENT TRANSFORMER	GEC GROUND ELECTRODE CONDUCTOR	OL OVERLOAD	W WATTS
CU CONDENSING UNIT	GFCI / GFI GROUND FAULT CIRCUIT INTERRUPTER	ORD OVERFLOW ROOF DRAIN	W/ WITH
CU COPPER	OG GENERAL CONTRACTOR	OZ OUNCE	WIO WITHOUT
CUH CABINET UNIT HEATER	GPH GALLONS PER HOUR	PBD PARALLEL BLADE DAMPER	WB WET BULB
CVB CONSTANT VOLUME BOX	GPM GALLONS PER MINUTE	PD PRESSURE DROP	WC WATER COLUMN
CWR CONDENSER WATER RETURN	GRSIB GRAINS PER POUND	PH PHASE	WG WATER GUAGE
CWS CONDENSER WATER SUPPLY	H2O WATER	POS POSITIVE PRESSURE	WP WEATHERPROOF
DB DRY BULB	HB HOSE BIBB	POS POINT OF SALES	WPIU WEATHERPROOF IN-USE
DEPT DEPARTMENT	HD HEAD (SEE SCHEDULES)	POS PRESSURE REDUCING VALVE	WSR WITHSTAND RATING
DF DRINKING FOUNTAIN	HP HEAT PUMP	PS PRESSURE SWITCH	XFMR TRANSFORMER
		PSI POUNDS PER SQUARE INCH	
		PT PRESSURE TRANSMITTER	

SUBSTITUTIONS:

A. SUBSTITUTIONS: SUBSTITUTION OF SPECIFIED EQUIPMENT WILL BE ALLOWED THROUGH A PRIOR APPROVAL PROCESS INITIATED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT INTENDED SUBSTITUTION AT LEAST FIVE DAYS PRIOR TO BID FOR APPROVAL FROM ENGINEER. SUBMITTAL SHALL INCLUDE CAPACITIES, DIMENSIONS AND OPERATING INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT. SUBSTITUTION SHALL OCCUR AT NO COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF APPROVED SUBSTITUTION AND SHALL INCUR ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING STRUCTURAL MODIFICATIONS, SPACE LAYOUT AND REDESIGN COSTS. SEE ALSO DIVISION I GENERAL REQUIREMENTS.

EXAMINATION OF SITE, DRAWINGS, SPECIFICATIONS:

A. EXAMINE CAREFULLY THE SITE AND CONDITIONS OF THE SITE. PROVIDE ALL NECESSARY EQUIPMENT AND LABOR TO INSTALL A COMPLETE WORKING SYSTEM WITHIN THE SITE CONDITIONS.

B. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND 5 DAYS PRIOR TO BIDDING REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES, AND CONFLICTS TO THE ENGINEER TO BE REMEDIED IN AN ADDENDUM TO THE PROJECT PRIOR TO BID TIME.

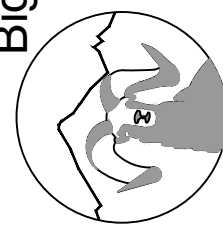
C. DRAWINGS ARE DIAGRAMMATIC AND CATALOG NUMBERS GIVEN ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CAPACITY OF THE EQUIPMENT MEETS THE DRAWING REQUIREMENTS AND SHALL NOT DIMENSION FROM THE MECHANICAL, PLUMBING, OR PIPING DRAWINGS.

D. THE LATEST ADOPTED VERSIONS OF THE INTERNATIONAL BUILDING CODES SHALL BE USED AS REQUIRED. THIS WILL ALSO INCLUDE THE LATEST ADOPTED VERSIONS OF THE MECHANICAL, PLUMBING, AND ENERGY CONSERVATION CODES. ALL METHODS AND MATERIALS REQUIRED BY THESE CODES SHALL BE REQUIRED BY THESE SPECIFICATIONS UNLESS INDICATED OTHERWISE. OTHER APPLICABLE LOCAL CODES AND ORDINANCES SHALL BE AS REQUIRED AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THESE REQUIREMENTS.

E. WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL BEING INSTALLED, PRINTED COPIES OF THESE RECOMMENDATIONS SHALL BE FURNISHED TO THE ENGINEER PRIOR TO INSTALLATION. INSTALLATION OF THE ITEM WILL NOT BE ALLOWED TO PROCEED UNTIL THE RECOMMENDATIONS ARE RECEIVED. FAILURE TO FURNISH THESE RECOMMENDATIONS CAN BE CAUSE FOR REJECTION OF THE MATERIAL..

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE, ON ANY OTHER PROJECTS FOR ADDITIONS TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.

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AIRPORT ROAD STORAGE
PLUMBING - COVER SHEET
1453 AIRPORT ROAD
RIFLE, COLORADO

DATE:	ISSUED FOR:
10/02/2025	PERMIT

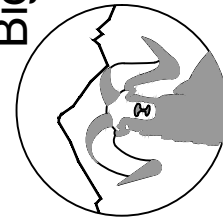


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JOB NO:	25-322
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SHEET NUMBER:	

P0-1

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AIRPORT ROAD STORAGE

PLUMBING - FLOOR PLAN

1453 AIRPORT ROAD
RIFLE, COLORADO

DATE:	ISSUED FOR:
10/02/2025	PERMIT



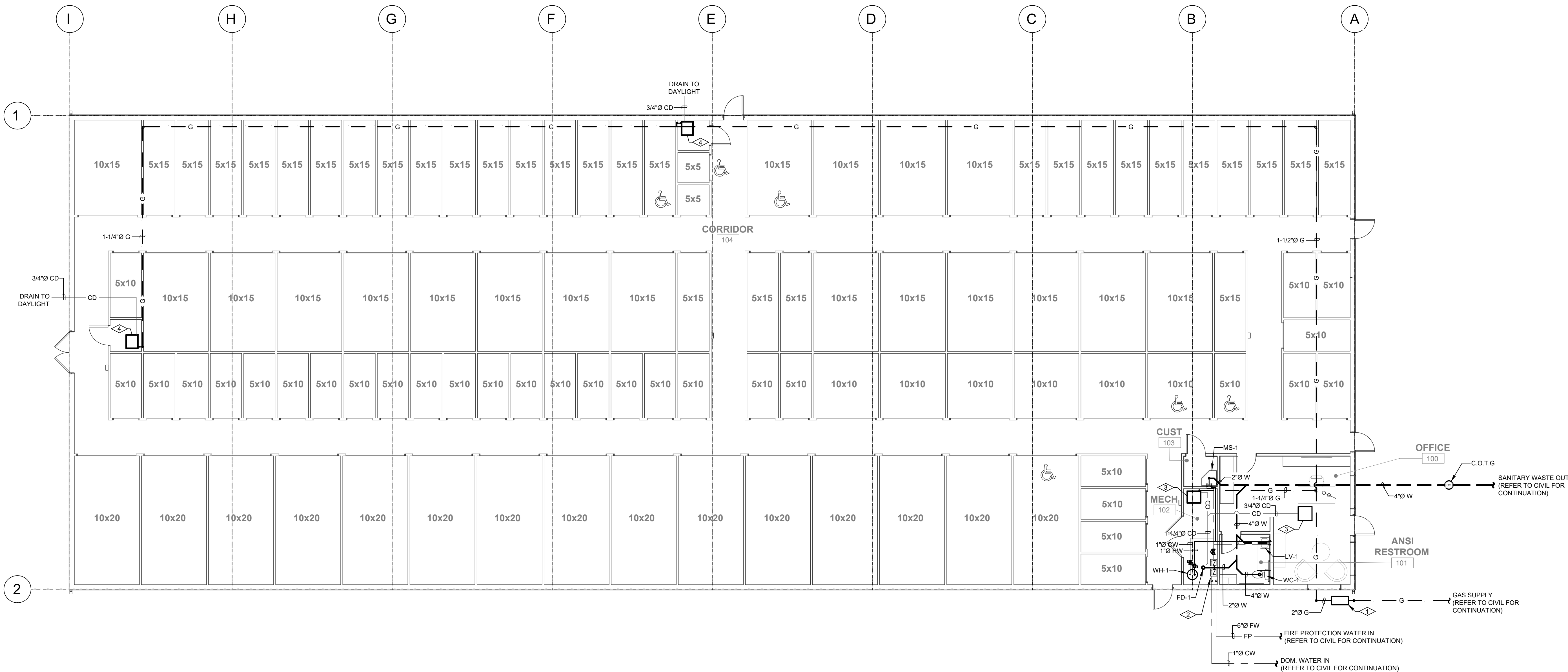
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PLUMBING GENERAL NOTES:

- DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS AND SIZES MAY VARY DURING FIELD COORDINATION & INSTALLATION OF MECHANICAL, PLUMBING, & ELECTRICAL. DRAWINGS DO NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS. TAKE ALL DIMENSIONS FROM ARCHITECTURAL DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS AND FROM THE STRUCTURE ITSELF BEFORE FABRICATING ANY WORK. VERIFY ALL SPACE REQUIREMENTS COORDINATING WITH OTHER TRADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED WITHOUT EXTRA CHARGES TO THE OWNER.
- PIPE DIMENSIONS DO NOT REFLECT ADDITIONAL DIMENSIONS FOR INSULATION. ALL PIPING SHALL BE INSULATED PER 2018 IECC CODE REQUIREMENTS.
- CONDENSING WATER HEATER AND GAS FURNACE VENT MATERIAL SHALL COMPLY WITH MANUFACTURER'S LISTED AND APPROVED MATERIALS. PVC SHALL NOT BE USED FOR FLUE/COMBUSTION AIR VENTING MATERIAL. ENGINEERS PREFERRED MATERIAL IS PRESSURE RATED, DOUBLE WALL, GASKETED, 316 STAINLESS STEEL CONDENSING FLUE VENTING MATERIAL. RECOMMENDED MANUFACTURER'S SELKIRK OR JERMIAS.
- ROUTE CONDENSATE FROM MECHANICAL EQUIPMENT TO BE DISCHARGED INDIRECTLY THROUGH AIR GAP TO NEAREST FLOOR DRAIN.
- ALL PLUMBING FIXTURES WITH QUICK CLOSING VALVES ON DOMESTIC COLD/HOT WATER SHALL BE PROVIDED WITH WATER HAMMER ARRESTOR.
- PROVIDE ISOLATION VALVES AT RESTROOM TO ALLOW FOR TOTAL ISOLATION OF THE ENTIRE RESTROOM GROUP FROM THE REST OF THE DOMESTIC COLD, HOT AND HOT RE-CIRCULATION SYSTEMS.
- ALL PLUMBING FIXTURES SHALL BE VENTED BY PLUMBING CONTRACTOR PER IPC REQUIREMENTS.
- PLUMBING FIXTURE MANUFACTURERS AS SCHEDULED ON PLUMBING DRAWINGS ARE SUGGESTED MANUFACTURER'S AND MODELS. UNLESS NOTED OTHERWISE DUE TO OWNER/CLIENT REQUIREMENTS AND PREFERENCES. PLUMBING CONTRACTOR CAN SUBMIT EQUIVALENT FIXTURES FROM MANUFACTURERS THAT DIFFER FROM SCHEDULED PLUMBING FIXTURES. ALTERNATE MANUFACTURERS OF PLUMBING FIXTURES WILL BE REVIEWED FOR EQUIVALENCE OF PERFORMANCE AND FUNCTIONALITY BY ENGINEER. REFERENCE SUBSTITUTIONS SECTION ON COVER SHEET.
- ALL EXTERIOR METALLIC NATURAL GAS PIPING ABOVE GRADE SHALL BE TREATED WITH CORROSIVE INHIBITOR COATING. COATING SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATION SO THAT COATING MAINTAINS INTEGRITY OF GAS PIPING. COATING SHALL BE UV RESISTANT.
- PRIOR TO BIDDING OR BEGINNING ANY CONSTRUCTION, CONTRACTOR SHALL OBSERVE EXISTING CONDITIONS IN FIELD. CONTRACTOR SHALL OBSERVE AND CONFIRM FIELD LOCATIONS OF EXISTING DOMESTIC WATER AND SANITARY SEWER FOR SERVICE CONNECTIONS. CONTRACTOR SHALL VERIFY EXISTING SANITARY WASTE SEWER INVERT AT ANTICIPATED TIE IN LOCATION. CONFIRM NO OBSTACLES ARE IN PATH OF ANTICIPATED GRAVITY SANITARY SEWER TIE IN LOCATION AND INVERT IS ADEQUATE.
- DISINFECTION OF DOMESTIC WATER PIPING SYSTEM. PRIOR TO STARTING WORK, VERIFY SYSTEM IS COMPLETE, FLUSHED, AND CLEAN. INJECT DISINFECTANT, FREE CHLORINE IN LIQUID, POWDER, OR GAS FORM THROUGHOUT SYSTEM TO OBTAIN 50 TO 80 mg/l RESIDUAL. MAINTAIN DISINFECTANT IN SYSTEM FOR 24 HOURS. IF FINAL DISINFECTANT RESIDUAL TESTS LESS THAN 25 mg/L, REPEAT TREATMENT. FLUSH DISINFECTANT FROM SYSTEM UNTIL RESIDUAL EQUAL TO THAT OF INCOMING WATER OR 1.0 mg/L. TAKE SAMPLES NO SOONER THAN 24 HOURS AFTER FLUSHING. FROM 10 PERCENT OF OUTLETS AND FROM WATER ENTRY, AND ANALYZE SAMPLES IN ACCORDANCE WITH AWWA C651.

P1-1 PLUMBING KEYNOTES:

- NEW GAS METER TO BE PROVIDED. GAS METER TO BE LOW PRESSURE (I.E. LESS THAN 14" W.C.). GAS METER LOAD IS 300 MBH (~329 CFH). LONGEST EQUIVALENT LINE LENGTH OF PIPING IS 200 FEET. GENERAL CONTRACTOR SHALL VERIFY THAT INSTALLED GAS METER CAN ACCOMMODATE GAS LOAD OF 300 MBH.
- PROVIDE NEW PRESSURE REDUCER AND BACKFLOW PREVENTER AT WATER ENTRY.
- GAS FURNACE (GF-1) OR CEILING CASSETTE UNIT (HP-1). REFER TO MECH DWGS. PROVIDE WITH CONDENSATE DRAIN KIT WITH AIR GAP TO NEAREST DRAIN (REF. CONDENSATE DRAIN DETAIL ON SHEET P3-1). DRAIN IN ACCORDANCE WITH THE 2021 IPC 314.2.
- GAS FURNACE (GF-2 OR GF-3). REFER TO MECH DWGS. PROVIDE WITH LITTLE GIANT VOMA-15 SERIES CONDENSATE DRAIN PUMP KIT (115V/1PH/60HZ) AND DRAIN TO EXTERIOR OF BUILDING ABOVE GRADE. DRAIN IN ACCORDANCE WITH THE 2021 IPC 314.2.



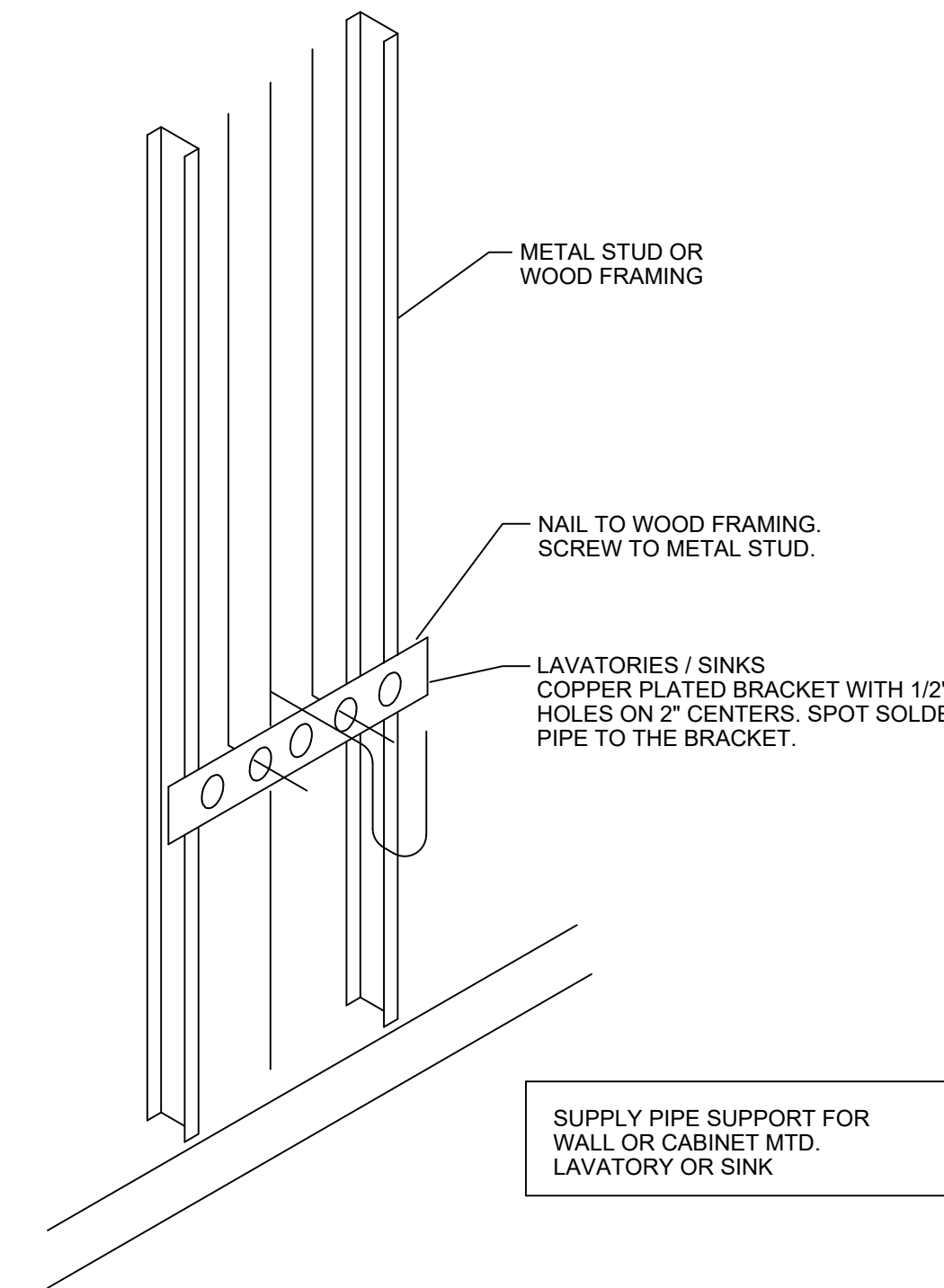
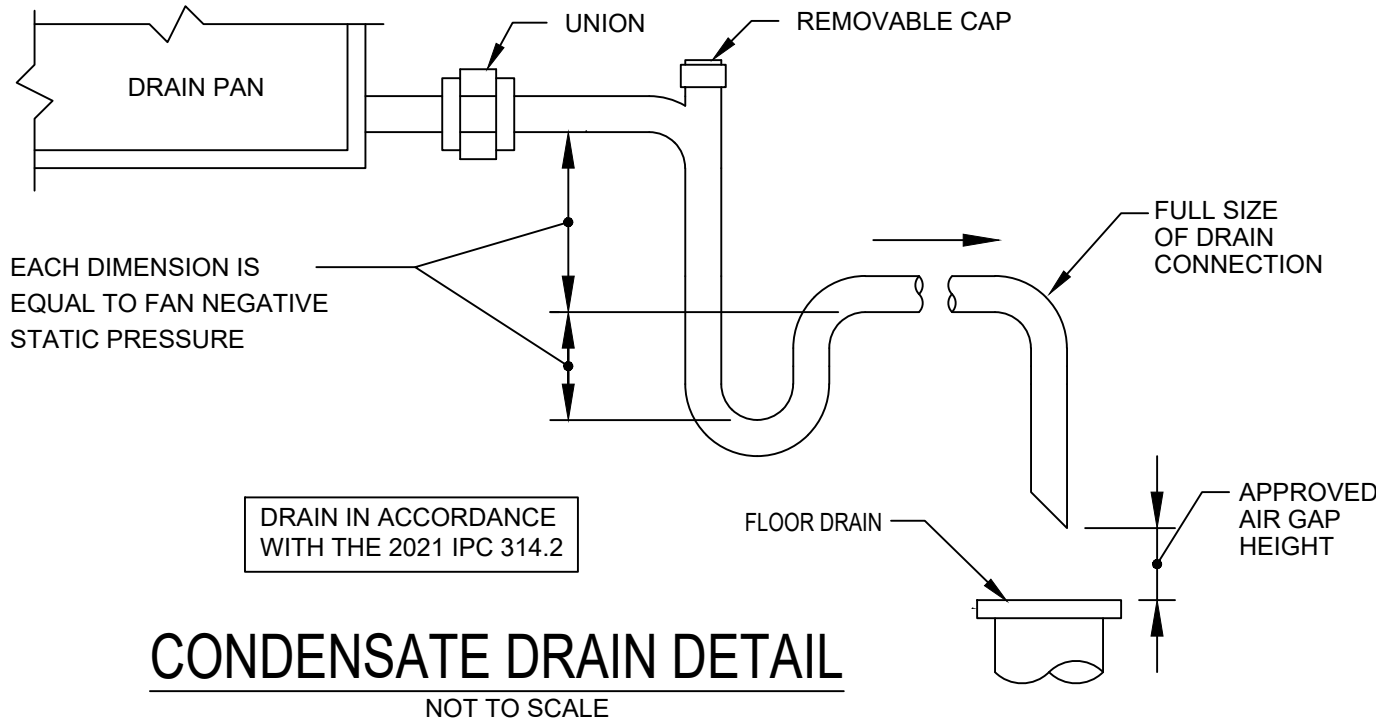
PLUMBING - FLOOR PLAN

SCALE: 1/8" = 1'-0"

PLUMBING SPECIFICATION:

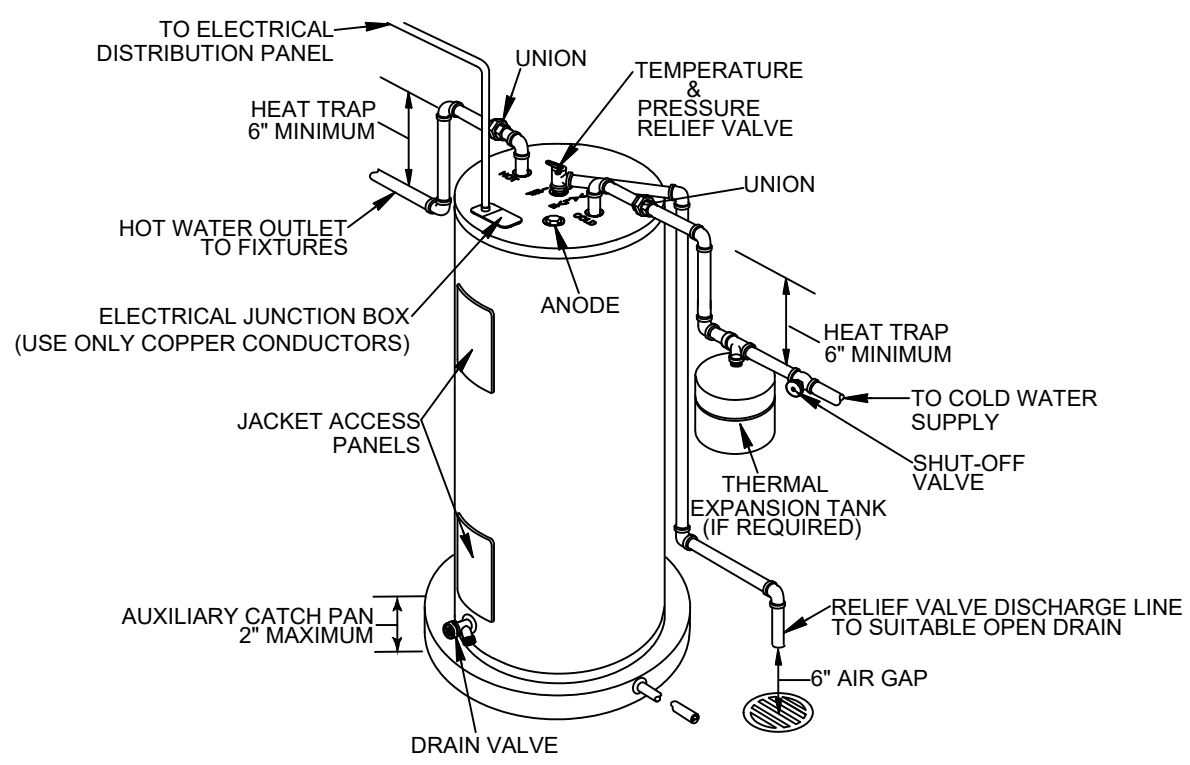
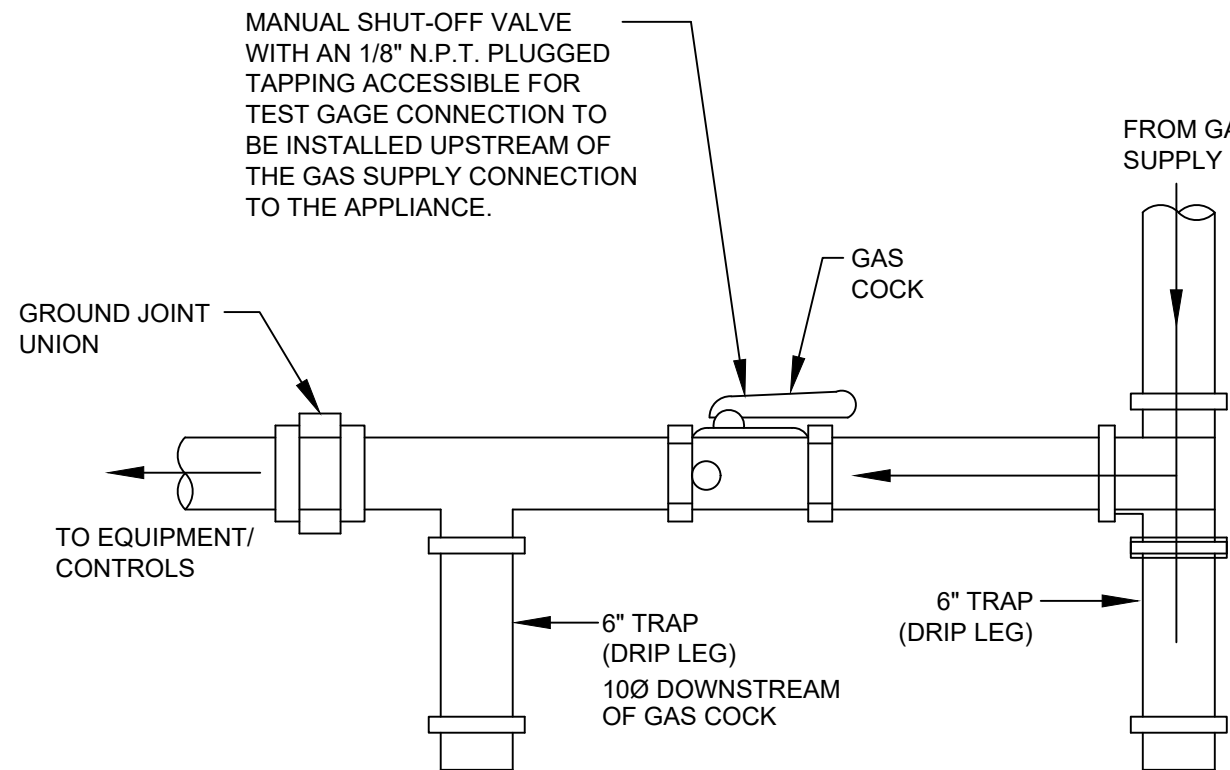
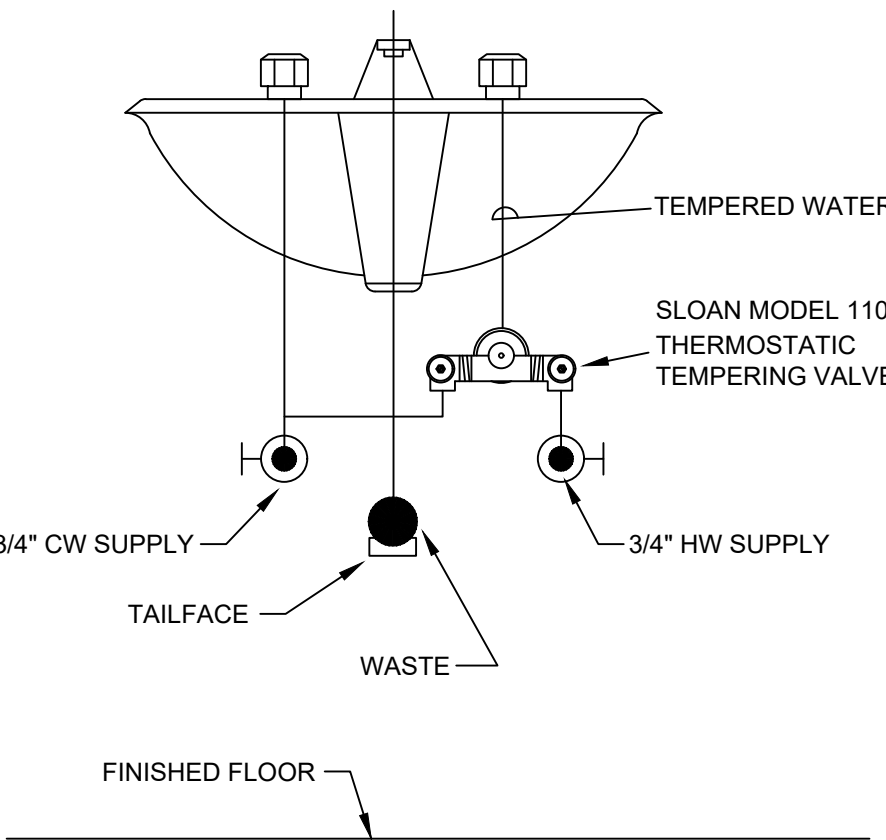
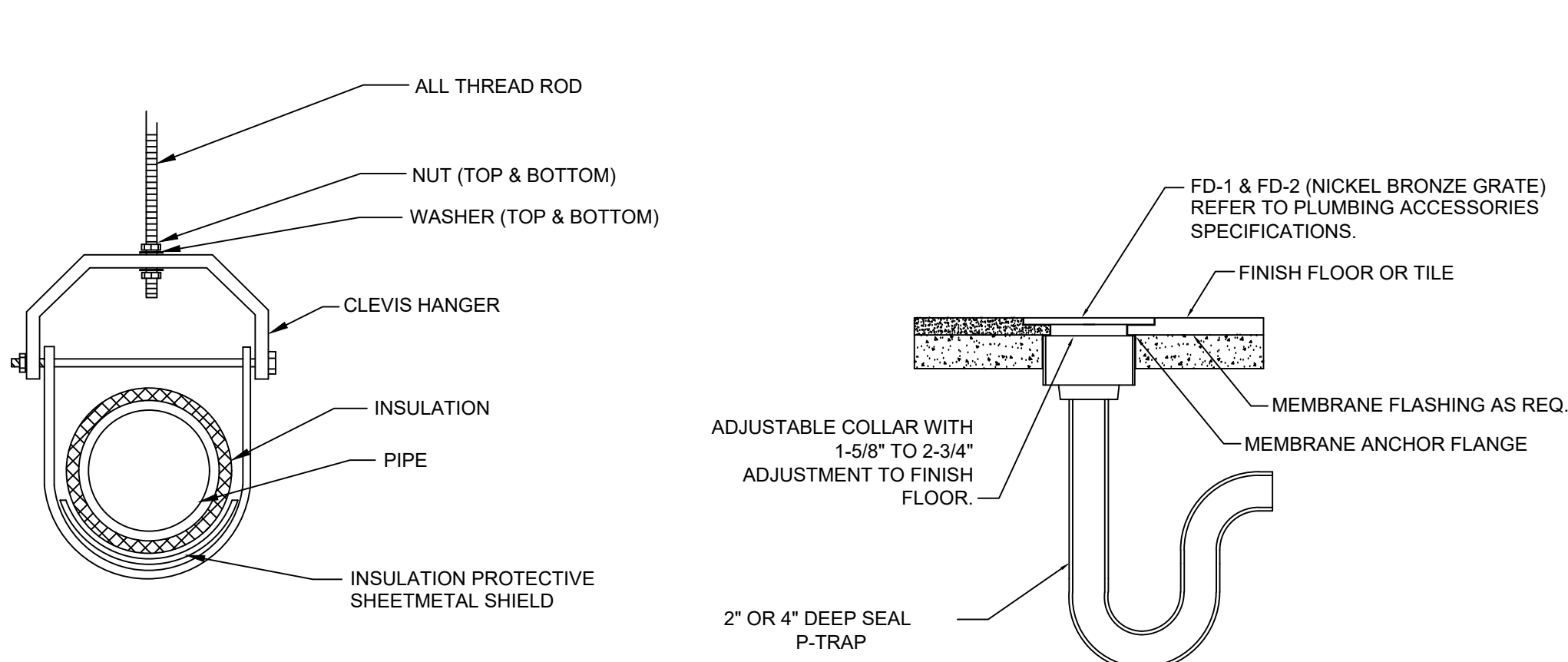
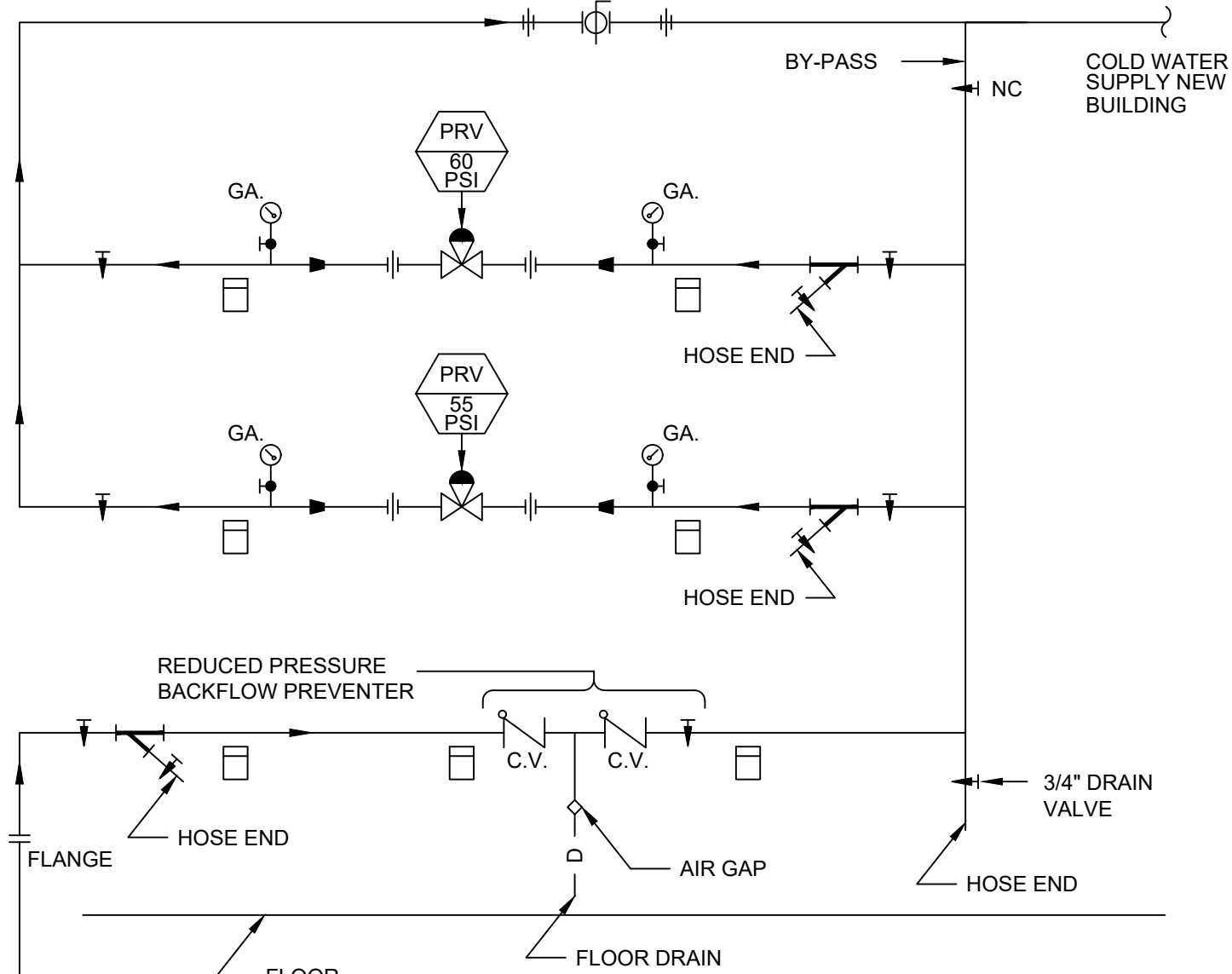
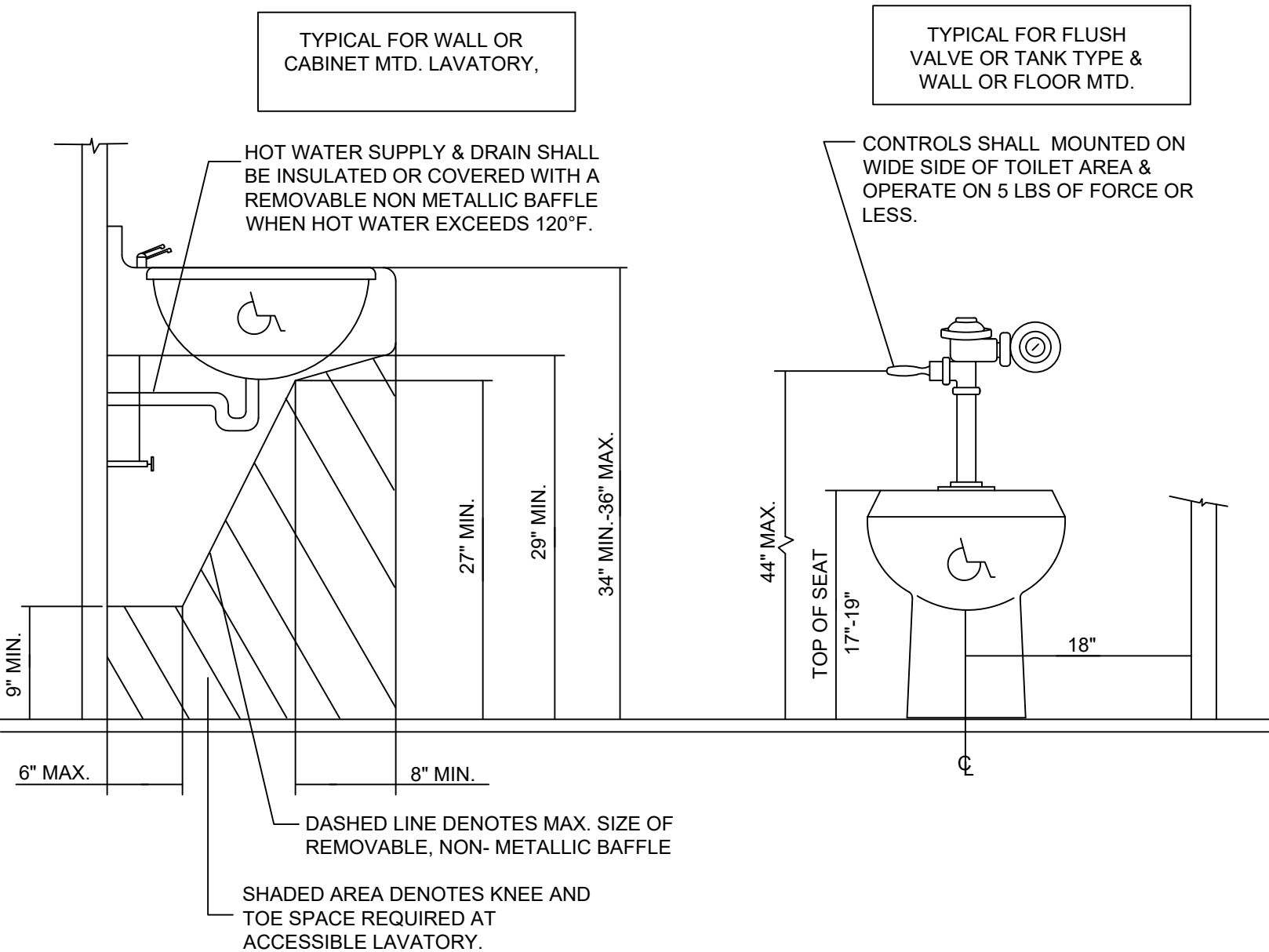
1. SCOPE OF WORK
- A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
- B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE INTERNATIONAL PLUMBING CODE (LATEST EDITION), ALL LOCAL CODES AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.
- C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
- D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED AS EQUAL" BY THE ENGINEER OR ARCHITECT.
2. PERMITS
- A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.
3. SHOP DRAWINGS
- A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT FIVE SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.
4. DOMESTIC WATER SUPPLY PIPING
- A. UNDERGROUND: PROVIDE TYPE "K" SOFT DRAWN COPPER TUBING WITH BRAZED CONNECTIONS.
- B. ABOVE GROUND: PROVIDE TYPE "L" HARD DRAWN COPPER TUBING WITH 125 PSI SOLDER JOINTS, COPPER OR BRASS FITTINGS. ALL SOLDER TO BE "NO LEAD" TYPE.
- C. ALL HOT WATER PIPING TO BE INSULATED WITH 1" FIBERGLASS INSULATION.
- D. ALL COLD WATER PIPING TO BE INSULATED WITH 1/2" FOAM INSULATION.
5. SANITARY/STORM DRAINAGE AND VENT PIPING
- A. ABOVE GRADE:
- 2" BELOW: SCHEDULE 40 GALV. STEEL PIPE WITH SCREWED ENDS OR SOLID CORE SCHEDULE 40 PVC WITH SOLVENT JOINTS OR DWV COPPER WITH SOLDER JOINTS. ALL SOLDER TO BE "NO LEAD" TYPE.
- 3" AND ABOVE: SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS; OR SOLID CORE SCHEDULE 40 PVC WITH SOLVENT JOINTS.
- B. BELOW GRADE: SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS; OR SOLID CORE SCHEDULE 40 PVC WITH SOLVENT JOINTS.
- C. PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.
- D. DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS.
- E. DRAINAGE PIPING 3" SIZE AND SMALLER SHALL RUN AT A UNIFORM GRADE OF AT LEAST 1/4" PER FOOT, AND PIPING LARGER THAN 3" SHALL BE RUN AT A GRADE OF NO LESS THAN 1/8" PER FOOT.
- F. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO FIXTURES.
- G. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF.
- H. PVC USED TO BE SOLID CORE TYPE SCHEDULE 40 PVC.
7. PIPE SUPPORTS
- A. ABOVE GRADE: ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE AND PERFORATED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE A S SPECIFIED IN INTERNATIONAL PLUMBING CODE (LATEST EDITION).
- B. BELOW GRADE: EARTH SHALL BE EXCAVATED TO A MINIMUM DEPTH WITH AN EVEN SURFACE TO INSURE SOLID BEARING OF PIPE FOR ITS ENTIRE LENGTH.
- INTERIOR: THE PIPE SHALL BE INSTALLED (UNLESS OTHERWISE SPECIFIED) A MINIMUM OF 4 INCHES BELOW THE BOTTOM OF THE SLAB AND SHALL NOT BE IN ANY DIRECT CONTACT WITH THE CONCRETE AT ANY POINT.
- EXTERIOR: THE WATER PIPE SHALL HAVE A MINIMUM OF 60" OF COVER AND THE SANITARY WASTE PIPE SHALL HAVE A MINIMUM OF 24" OF COVER.
8. MISCELLANEOUS
- A. COORDINATE INSTALLATION OF ALL ROOFS FLASHING AT ROOF PENETRATIONS.
- B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS AND DIMENSIONS AT THE JOB SITE.
- C. THE PLUMBING PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION. THE EXACT DIMENSIONS OR ALL THE DETAILS OF THE EQUIPMENT, THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT THE AVAILABLE SPACE.
9. TESTING
- A. PLUMBING SYSTEM SHALL BE FLOW AND PRESSURE TESTED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (LATEST EDITION).
10. GUARANTEE
- A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTORS EXPENSE.
- B. FOR THE SAME PERIOD THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.

PLUMBING FIXTURE SCHEDULE										
FIXTURE NO.	DESCRIPTION	MANUFACTURER	MODEL	TRIM	PIPING CONNECTIONS				OPTIONS-ACCESSORIES	
					S/W	VENT	C.W.	HW		
FD-1	FLOOR DRAIN	ZURN	Z415S	CAST IRON	2"	2"	-	-	PROVIDE NICKEL BRONZE STRAINER, MECHANICAL TRAP SEAL EQUIVALENT TO J.R. SMITH QUAD CLOSE TRAP SEAL ASSE 1072 RATED.	
HB-1	FREEZE PROOF HOSE BIB	WOODFORD	B67	-	-	-	3/4"	-	FREEZE PROOF ANTI-SIPHON EXTERIOR HOSE BIB. PROVIDE WITH LOCKING ENCLOSURE, COORDINATE STANDPIPE LENGTH WITH INSTALLATION LOCATION IN FIELD PRIOR TO ORDERING HOSE BIBB.	
LV-1	ADA WALL MOUNTED LAVATORY	ZURN	Z5330	VITREOUS CHINA	1 1/2"	1 1/2"	3/4"	3/4"	ADA WALL MOUNTED LAVATORY. PROVIDE WITH 1/4 TURNS, ZURN ZW3870XLT LOCAL THERMOSTATIC MIXING VALVE (OR EQUIV.), CHROME WALL ESCUTCHEONS, ZURN 1231 WALL CARRIER (OR EQUIV.), P-TRAP AND GUARD.	
MS-1	MOP SERVICE SINK	ACORN	TCR-28	PRECAST TERROZO	2"	1-1/2"	3/4"	3/4"	MOP SERVICE SINK. PROVIDE WITH BASIN, SS DRAIN, ACORN OPTION -KFC UTILITY FAUCET WITH INTEGRAL VACUUM BREAKER, SS WALL GUARDS, HOSE, MOP HANGER, VINYL BUMPER GUARD, QUICK DRAIN CONNECTOR FOR 3" CAST IRON SOIL PIPE.	
WC-1	ADA FLUSH TANK WATER CLOSET	KOHLER	K-3619	VITREOUS CHINA	4"	2"	3/4"	-	1.28 GPF. PROVIDE WITH VACUUM BREAKER, FLUSH TANK, FLOOR MOUNTED ADA, COORDINATE TRIP LEVER SIDE WITH LOCATION IN FIELD (LEVER TO BE CLOSEST TO DOOR), WATER HAMMER ARRESTOR, DEDICATED ISOLATION VALVE, CHROME WALL ESCUTCHEONS, ELONGATED SEAT, EPDM SEAL, WATER SENSE EPA RATING. COORDINATE FINAL COLOR SELECTION WITH OWNER PRIOR TO ORDERING.	



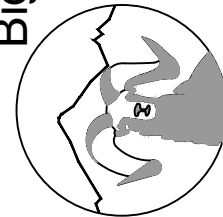
ELECTRIC WATER HEATER SCHEDULE									
EQUIPMENT NO.	LOCATION	CAPACITY (GAL)	RECOVERY @ 100°F RISE (GPH)	BTU/HR	WATER CONN. DIAM.	HEATING ELEMENT (W)	V/PH/Hz	MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
WH-1	MECH ROOM	10	10.3	8,530	3/4" NPT	2,500	208/1/60	STATE WATER HEATERS, PATRIOT PCE-10-10MSA 102	SEE NOTES

NOTES:
1. ELECTRIC TANK TYPE WATER HEATER. PROVIDE WITH AQUASTAT, ASME TEMPERATURE AND PRESSURE VALVE, EXPANSION TANK, DRAIN LINE, ISOLATION VALVES ON CW AND HW PIPES, FACTORY CONTROLS. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND MAINTAIN ALL REQUIRED CLEARANCES.



DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS FOR ADDITION TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.

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AIRPORT ROAD STORAGE
PLUMBING - DETAILS
1453 AIRPORT ROAD
RIFLE, COLORADO

DATE:	ISSUED FOR:
10/02/2025	PERMIT



DATE:	10/02/2025
JOB NO:	25-322
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	
SHEET NUMBER:	

P3-1

FIRE ALARM EQUIPMENT LEGEND	
	FIRE ALARM CONTROL PANEL
	FIRE ALARM PULL STATION
	FIRE ALARM HORN
	FIRE ALARM STROBE
	FIRE ALARM HORN/STROBE
	CEILING MOUNTED SPEAKER
	DUCT DETECTOR
	REMOTE LAMP
	SMOKE DETECTOR - PHOTOELECTRIC
	135° STANDARD HEAT DETECTOR
	PIR DETECTOR
	DOOR HOLD - MAGNETIC HOLD
	FLOW SWITCH
	TAMPER SWITCH

COMMUNICATION LEGEND	
	CLOCK ONLY
	CLOCK / PA SPEAKER WALL MOUNTED
	ROUND CEILING MOUNTED SPEAKER
	SQUARE SPEAKER
	INTERCOM PUSH TO CALL SWITCH
	WIRELESS ACCESS POINT ABOVE THE CEILING
	ABOVE THE CEILING PROJECTOR CONNECTION
	WALL MOUNTED HDMI
	PLAIN DATA OUTLET
	PLAIN DATA OUTLET WITH MOUNTING HEIGHT
	COMBINATION DATA/TELEPHONE
	FLOOR MOUNTED COMBINATION DATA/TELEPHONE
	CEILING MOUNTED COMBINATION DATA/TELEPHONE
	TELEVISION OUTLET

SECURITY SYSTEM LEGEND	
	SECURITY CAMERA
	ADA DOOR OPERATOR PUSH BUTTON
	ELECTRIC DOOR STRIKE
	CARD READER FOR DOOR OPERATOR

LIGHTING LEGEND	
<u>NOTES:</u>	
SYMBOLS SHOWN ARE STANDARD. VARIATION AND/OR COMBINATIONS MAY BE USED ON THE PLANS. THIS LIST SHOWS STANDARD SYMBOLS AND ALL MAY NOT APPEAR ON THE PROJECT DRAWINGS; HOWEVER, WHEREVER THE SYMBOL ON THE PROJECT DRAWINGS OCCUR, THE ITEM SHALL BE PROVIDED AND INSTALLED.	
VARIATION AND/OR COMBINATION MAY BE USED ON THE PLANS.	
A NUMBER NEXT TO A RECEPACLE OR DEVICE INDICATES A CIRCUIT NUMBER.	
AN UPPER CASE LETTER NEXT TO A SWITCH INDICATES THE FUNCTION OF THE SWITCH. A LOWER CASE LETTER INDICATES THE SWITCH CIRCUIT.	
AN UPPER CASE LETTER NEXT TO A LIGHT FIXTURE INDICATES THE TYPE OF FIXTURE. REFER TO THE LUMINAIRE SCHEDULE FOR FIXTURE SPECIFICATIONS. A LOWER CASE LETTER NEXT TO A LIGHT CORRESPONDS TO THE SWITCH DESIGNATION.	

SWITCHES	
	SINGLE POLE SWITCH
	TWO POLE SWITCH
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	DIMMER SWITCH
	3 WAY DIMMER SWITCH - (4D INDICATES A 4WAY DIMMER)
	DOOR ACTIVATED SWITCH
	WALL MOUNTED DUAL TECHNOLOGY MANUAL ON / AUTO OFF VACANCY SENSOR SWITCH
	LOW VOLTAGE LIGHT SWITCH
	MANUAL MOTOR STARTER
	PILOT LIGHT SWITCH
	AUTO ON / AUTO OFF LIGHT SWITCH
	DUAL TECHNOLOGY MOTION / OCCUPANCY SENSOR LIGHT SWITCH
	MANUAL ON / AUTO OFF DIMMING LIGHT SWITCH
	KEY OPERATED LIGHT SWITCH
	MANUAL ON - TIMED OFF LIGHT SWITCH
	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH
	CEILING MOUNTED DUAL TECHNOLOGY MANUAL ON / AUTO OFF VACANCY SENSOR
	CEILING MOUNTED DAYLIGHT HARVESTING SENSOR
	SCENE CONTROL STATION
	UNIT LIGHTING MANAGEMENT CONTROL STATION.

LIGHT FIXTURES	
	1'x4' LED TROFFER OR DIRECT/INDIRECT TYPE FIXTURE GRID, FLANGE OR SURFACE MOUNTED
	2'x4' LED TROFFER OR DIRECT/INDIRECT TYPE FIXTURE GRID, FLANGE OR SURFACE MOUNTED
	2'x2' LED TROFFER OR DIRECT/INDIRECT TYPE FIXTURE GRID, FLANGE OR SURFACE MOUNTED
	OPEN STRIP FIXTURE
	WALL BRACKET LINEAR FIXTURE
	WALL MOUNTED SCENCE LIGHT FIXTURE
	RECESSED DOWNLIGHT CAN FIXTURE
	SURFACE CEILING OR PENDANT MOUNTED FIXTURE
	DOUBLE FACE EXIT SIGN, WALL AND CEILING MOUNTED
	SINGLE FACE EXIT SIGN, WALL AND CEILING MOUNTED
	WALL MOUNTED EMERGENCY LIGHT
	EMERGENCY EXTERIOR EGRESS FIXTURE

GENERAL ELECTRICAL NOTES:	
1.	ALL ELECTRICAL WORK TO COMPLY WITH LATEST EDITION OF NEC, IECG AND ALL APPLICABLE GOVERNING CODES.
2.	FIELD COORDINATION DURING CONSTRUCTION IS IMPERATIVE. CONTRACTORS BIDDING THIS WORK MUST MAKE REASONABLE ALLOWANCES FOR UNFORESSEEN CONTINGENCIES.
3.	ELECTRIC UTILITY TO ADVISE OWNER AND/OR THE ELECTRICAL ENGINEER PRIOR TO SERVICE MODIFICATION REQUIRING COST TO THE OWNER.
WIRING:	
1.	ALL WIRING IS SHOWN DIAGRAMMATICALLY ON DRAWING. FIELD VERIFY ALL CONDITIONS PRIOR TO ROUGH-IN.
2.	ALL CONDUITS AND CONVEYANCES SHALL BE CONCEALED. IN THE EVENT THAT A NEW DEVICE IS BEING INSTALLED IN AN EXISTING DRYWALL PARTITION, PROVIDE A CUT IN TYPE BOX AND FISH FLEXIBLE CONDUIT DOWN INSIDE THE WALL FROM ABOVE THE CEILING AND REPAIR THE DRYWALL AROUND THE CONDUIT. TRANSITION TO EMT ONCE ABOVE THE CEILING.
3.	SIZES OF WIRE AND CABLES ARE BASED UPON COPPER CONDUCTORS, UNLESS OTHERWISE INDICATED. ALL CIRCUITS SHALL CONTAIN (2) #12 AWG WITH (1) #12 GND IN 1/2" CONDUIT UNLESS NOTED OTHERWISE.
4.	ALL BRANCH CIRCUITS WITH HOME RUNS OVER 50 FEET, WILL BE SIZED ONE SIZE LARGER.
5.	ALL PENETRATIONS IN OR THROUGH FIRE RATED PARTITIONS SHALL BE FIRE STOPPED IN SUCH A WAY THAT THE PENETRATION MATCHES THE FIRE RATING OF THE WALL.
6.	THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION BETWEEN THE APPROPRIATE DISCIPLINES AND CONTRACTORS.
7.	COORDINATE ALL DEVICE, FIXTURE AND HARDWARE COLOR SELECTIONS WITH THE ARCHITECT PRIOR TO MAKING SHOP DRAWING SUBMITTALS.
8.	COORDINATE THE MOUNTING HEIGHTS OF ALL RECEPACLES MOUNTED ABOVE COUNTERS, CASEWORK AND APPLIANCE RECEPACLES WITH ARCHITECTURAL ELEVATIONS
9.	BRANCH CIRCUIT AND SPECIAL SYSTEMS WIRING FOR DEVICES ON WALLS IN FINISHED AREAS WHICH CANNOT BE CONCEALED SHALL BE INSTALLED IN SURFACE MOUNTED RACEWAY.
10.	ALL EXPOSED CONDUITS, BOXES, ETC. IN ROOMS TO BE PAINTED SHALL BE PAINTED TO MATCH THE SURROUNDING SURFACE. EXPOSED CONDUITS, BOXES, ETC. IN ROOMS WHICH ARE NOT PAINTED MAY BE LEFT UN-PAINTED. EXPOSED CONDUIT, BOXES, ETC. ON THE EXTERIOR OF BUILDINGS SHALL BE PAINTED TO MATCH THE SURROUNDING SURFACE AS CLOSELY AS POSSIBLE.
11.	THE CONTRACTOR IS RESPONSIBLE FOR PATCHING, PAINTING, REPAIRING OR REPLACEMENT OF ALL WALLS, CEILING OR OTHER BUILDING ELEMENTS WHICH ARE DISTURBED AS PART OF THE DEMOLITION AND/OR INSTALLATION OF ELECTRICAL WORK
12.	PROVIDE ELECTRICAL CONNECTION TO ALL FIRE, SMOKE, AND FIRE / SMOKE DAMPERS INCLUDING POWER AND FIRE ALARM. VERIFY EXACT SIZE AND FINAL LOCATION OF ALL DAMPERS WITH THE MECHANICAL CONTRACTOR. ALL ROOFTOP UNITS RATED AT MORE THAN 2000 CFM WILL BE OUTFITTED WITH A DUCT DETECTOR IN THE RETURN DUCT. ALL ROOFTOP UNITS RATED AT MORE THAN 15000 CFM WILL BE OUTFITTED WITH A DUCT DETECTOR IN BOTH THE SUPPLY AND RETURN DUCT AT ROOFTOP LEVEL AND IN THE RETURN DUCT AT EVERY LEVEL THAT IS SERVED. ELECTRICAL CONTRACTOR WILL PROVIDE A REMOTE TEST STATION AND ALL WIRING NECESSARY TO COMPLETE INSTALLATION.
13.	REFER TO THE MECHANICAL EQUIPMENT SCHEDULE FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH PLUMBING AND HVAC EQUIPMENT AND OWNER/GENERAL CONTRACTOR FURNISHED EQUIPMENT.

ELECTRICAL EQUIPMENT LEGEND	
	BRANCH CIRCUIT PANELBOARD
	TELEPHONE TERMINAL BOARD
	ELECTRIC MOTOR
	FUSED SAFETY SWITCH / DISCONNECT COMBINATION
	MOTOR STARTER
	CONTACTOR
	CIRCUITRY HOMERUN: PANEL LA - CIR. #7
	CONDUIT OR WIRE CONCEALED IN WALL/CLG. (SOLID LINE TYPE)
	CONDUIT OR WIRE UNDERFLOOR/UNDERGRD. (CENTER LINE TYPE)

MAIN DISTRIBUTION GEAR	
	CIRCUIT BREAKER IN A PANEL BOARD
	PAD MOUNTED UTILITY TRANSFORMER
	FUSED DISCONNECT 100A = AMP RATING 2P = NUMBER OF POLES
	FUSED DISCONNECT
	ELECTRICAL METER SHOWN ON ONE-LINE DIAGRAMS
	ELECTRICAL POWER PANEL WITH MAIN LUG OR MAIN BREAKER PPT= PANEL NAME 225A MLO = MAIN LUG OR BREAKER SIZE 120/208V = PANEL VOLTAGE 3PH, 4 WIRE = PANEL PHASE, DISTRIBUTION TYPE
	PP1 225A MCB 120/208V 3PH, 4W
	PP1 225A MLO 120/208V 3PH, 4W

ELECTRICAL DEVICE LEGEND	
	CEILING JUNCTION BOX - SURFACE/FLUSH
	WALL JUNCTION BOX - SURFACE/FLUSH
	DUPLEX RECEPACLE
	FLOOR MOUNTED RECEPACLE
	SPLIT WIRED DUPLEX RECEPACLE
	CEILING MOUNTED DUPLEX RECEPACLE
	FLOOR MOUNTED FOURPLEX RECEPACLE
	APPLIANCE RECEPACLE - 3 WIRE
	DUPLEX RECEPACLE
	FOURPLEX RECEPACLE
	ABBREVIATIONS PERTAIN TO ALL DUPLEX AND FOURPLEX RECEPACLES:
	ABOVE COUNTER
	ABOVE COUNTER - GROUND FAULT CIRCUIT INTERRUPTER
	ABOVE COUNTER WITH USB PORT
	ARC FAULT PROTECTED
	ARC FAULT PROTECTED WITH USB PORT
	ARC FAULT WITH GROUND FAULT CIRCUIT INTERRUPTER
	DEDICATED RECEPTACLE
	DEDICATED RECEPTACLE WITH USB PORT
	RECEPTACLE CIRCUITED TO THE EMERGENCY PANEL WITH RED COVER PLATE
	GROUND FAULT CIRCUIT INTERRUPTER
	WEATHER PROOF GROUND FAULT CIRCUIT INTERRUPTER
	PLUG LOAD
	GENERAL PURPOSE WITH MOUNTING HEIGHT.
	ELECTRIC HAND DRYER
	THERMOSTAT
	OPEN/CLOSE/STOP PUSH BUTTON
	DRAWING KEY NOTES
	ROOM DESIGNATION

LUMINAIRES:	
1.	COORDINATE THE LOCATION OF ALL LIGHTING EQUIPMENT INCLUDING BUT NOT LIMITED TO THE LUMINAIRES, SWITCHES WITH THE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND ALL OTHER TRADES AS REQUIRED. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONAL LOCATION OF LIGHT FIXTURES.
2.	LIGHTING FIXTURES SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE AND SHALL NOT BE SUPPORTED FROM THE T-BAR CEILING GRID.
3.	THE ELECTRICAL CONTRACTOR IS TO CONFIRM THE LIGHT FIXTURES ORDERED WILL BE COMPATIBLE WITH THE CEILING TYPES AS SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLANS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING THE FIXTURES.
4.	VERIFY LUMINAIRE MOUNTING REQUIREMENTS AND OVERALL HEIGHT OF ALL PENDANT MOUNTED FIXTURES PRIOR TO ORDERING.
5.	ALL LIGHT FIXTURES NEED TO BE COMPATIBLE WITH THE SWITCHES AND CONTROLS BEING PROVIDED.
6.	THE LIGHTING PACKAGE SHALL BE APPROVED BY BOTH THE ARCHITECT AND ENGINEER AS APPROVED EQUAL BEFORE BID. NO LIGHT FIXTURE SHALL BE ORDERED UNTIL THE LIGHT FIXTURE SUBMITTAL PACKAGE HAS BEEN APPROVED IN WRITING BY THE ARCHITECT, GENERAL CONTRACTOR AND ELECTRICAL ENGINEER.
7.	COORDINATE LUMINAIRE MOUNTING REQUIREMENTS PRIOR TO PLACING ORDER.
BTU	BRITISH THERMAL UNIT
C	CHILLER
CAFCI	COMBINATION ARC FAULT CIRCUIT INTERRUPTERS
CAP	CAPACITY
CB	CIRCUIT BREAKER
CBV	CIRCUIT BALANCING VALVE
CCT	CORRELATED COLOR TEMPERATURE
CKT	CIRCUIT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CL	CENTER LINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
COMP	COMPRESSOR
CONC	CONCRETE
COND	CONDENSATE
CONN	CONNECTION
CONT	CONTINUATION
CONTR	CONTRACTOR
CRI	COLOR RENDERING INDEX
CT	COOLING TOWER
CT	CURRENT TRANSFORMER
CU	CONDENSING UNIT
CU	COPPER
CUH	CABINET UNIT HEATER
CVB	CONSTANT VOLUME BOX
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
DB	DRY BULB
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGRAM
DIFF	DIFFERENTIAL
DISCH	DISCHARGE
DIV	DIVISION
DN	DOWN
DUCT	DUCT SILENCER
DWG	DRAWING
DX	DIRECT EXPANSION
(E)	EXISTING
EA	EXHAUST AIR GRILLE/REGISTER
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ECC	ECCENTRIC
EFF	EFFICIENT
EAU	AIR HANDLING UNIT
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATOR
EM	EMERGENCY FUNCTION
ENT	ENTERING
EMT	ELECTRIC METALIC TUBE
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ES	END SWITCH
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EW	ENTERING WATER
TEMPERATURE	TEMPERATURE
EX	EXHAUST
EXPAN	EXPANSION
EXT	EXTERNAL
F	DEGREES FAHRENHEIT
FA	FREE AREA
FC	FAN COIL UNIT
FCV	FOOTCANDLE
FV	FLOW CONTROL VALVE
FD	FIRE DAMPER
FD	FLOOR DRAIN
FLEX	FLEXIBLE
FIN	FINISHED
FLA	FULL LOAD AMPS
FLR	FLOOR
FOB	FLAT ON BOTTOM
FO	FLAT ON TOP
FP	FIRE PROTECTION
FP	FIRE PUMP
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FIRE SWITCH
FSD	FIRE/SMOKE DAMPER
FT	FEET
FXC	FLEXIBLE CONNECTION
GND	GROUND
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GEC	GROUND ELECTRODE CONDUCTOR
GFCI / GFI	GROUND FAULT CIRCUIT INTERRUPTER
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GRSLB	GRAMS PER POUND
H2O	WATER
HB	HOSE BIBB
HD	HEAD (SEE SCHEDULES)
HP	HEAT PUMP
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HTR	HEATER
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
ID	INSIDE DIAMETER
IG	ISOLATED GROUND
IN	INCHES
INV	INVERT
JBOX	JUNCTION BOX
K	KELVIN
KW	KILOWATT
KVA	KILO VOLT - AMPS
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LV	LAVATORY
LB	POUND
LD	LINEAR DIFFUSER
LF	LINEAR FEET
LIN	LINEAR
LIQ	LIQUID
LM	LUMEN
LRA	LOOKED ROTOR AMPS
LV	LOUVER
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSANDS OF BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MD	MOTORIZED DAMPER
MOP	MAIN DISTRIBUTION PANEL
MED	MEDIUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUG ONLY
MOC	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
MUA	MAKE-UP AIR UNIT
N	NEUTRAL
NEG	NORMALLY CLOSED
NEG	NEGATIVE
NC	NOT IN CONTRACT
NL	NIGHT / SECURITY LIGHT - DO NOT SWITCH
NO	NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OCC	OCCUPIED
OC	OVER CURRENT PROTECTION
OD	OUTSIDE DIAMETER
OL	OVERLOAD
ORD	OVERFLOW ROOF DRAIN
OZ	OUNCE
PBD	PARALLEL BLADE DAMPER
PD	PRESSURE DROP
PH	PHASE
POS	POSITIVE PRESSURE
POS	POINT OF SALES
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TRANSMITTER
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RA	RETURN AIR GRILLE / REGISTER
RCR	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REL	RELIEF
REQD	REQUIRED
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RLA	RATED LOAD AMPS
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR GRILLE / REGISTER
SC	SHORT CIRCUIT
SCA	SHORT CIRCUIT AVAILABLE
SCCR	SHORT CIRCUIT CURRENT RATING
SCH	SCHEDULE
SD	SMOKE DAMPER
SEF	SMOKE EXHAUST FAN
SF	SUPPLY FAN
SH	SENSIBLE HEAT
SH	SHOWER
SP	STATIC PRESSURE
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
SS	SAFETY SHOWER
STD	STANDARD
STL	STEEL
SYS	SYSTEM
TEMP	TEMPERATURE
TR	TRANSFER GRILLE / REGISTER
TR	TAMPER RESISTANT
TT	TEMPERATURE TRANSMITTER
TTB	TELECOMMUNICATIONS TERMINAL BACKBOARD
TTY	TYPICAL
TX	TRANSFORMER
UC	UNDERCUT DOOR
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UNOCC	UNOCCUPIED
UR	URINAL
V	VOLTS
VA	VOLT AMPERE
VA	VALVE
VAV	VARIABLE AIR VOLUME UNIT
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
VOLT	VOLTAGE
VTR	VENT THROUGH ROOF
W	WIDTH
W	WATTS
W	WITH
WIO	WITHOUT
WB	WET BULB
WC	WATER COLUMN
WC	WATER CLOSET
WG	WATER GAUGE
WP	WEATHERPROOF
WPU	WEATHERPROOF IN-USE
WSR	WINDSTAND RATING
XFMR	TRANSFORMER

RESPONSIBLE DIVISION:

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE AND WIRED AS FOLLOWS:

EQUIPMENT	FURNISHED	SET	POWER WIRED	CONTROL WIRED
	23	23	26	--

COMBINATION MAGNETIC MOTOR STARTERS, MAGNETIC MOTOR STARTERS, VFD'S AND CONTACTORS

FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATERS, MANUAL MOTOR STARTERS

	26	26	26	--
--	----	----	----	----

MANUAL-OPERATING AND MULTI-SPEED SWITCHES

	23	23	26	23
--	----	----	----	----

THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES

	23	23	26	26
--	----	----	----	----

TEMPERATURE CONTROL PANELS

	23	23(2)	--	23(2)
--	----	-------	----	-------

MOTOR AND SOLENOID VALVES, DAMPER MOTORS, PE & EP SWITCHES

	23	23	26	23
--	----	----	----	----

	23
--	----

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER CATALOG NO.	MANUFACTURER CATALOG NO.	VOLTAGE MOUNTING	DRIVER LAMP SPECIFICATION	DESCRIPTION
A	LITHONIA LIGHTING CSS L96 8000LM MVOLT 40K 80CRI SFR7CSS120/277	APPROVED EQUIVALENT	120V CEILING SURFACE	WITH FIXTURE LED 8000LM 40K	2'6"W X 2'2"D X 8"L LED STRIP LIGHT WITH OCCUPANCY SENSOR CONTROL. 8000LM 40K LEDES.
B	LITHONIA LIGHTING LBL4 6000LM 80CRI 40K MIN1 2T MVOLT	APPROVED EQUIVALENT	120V CEILING SURFACE	WITH FIXTURE LED 6000LM 40K	10"W X 2'3/4"D X 48"L SURFACE MOUNTED WRAP AROUND FIXTURE WITH CURVED PRISMATIC DIFFUSER. 6000LM 40K LEDES.
B1	LITHONIA LIGHTING LBL4 4000LM 80CRI 40K MIN1 2T MVOLT	APPROVED EQUIVALENT	120V CEILING SURFACE	WITH FIXTURE LED 4000LM 40K	10"W X 2'3/4"D X 48"L SURFACE MOUNTED WRAP AROUND FIXTURE WITH CURVED PRISMATIC DIFFUSER. 4000LM 40K LEDES.
C	LITHONIA LIGHTING CSS L24 2000LM MVOLT 40K 80CRI	APPROVED EQUIVALENT	120V CEILING SURFACE	WITH FIXTURE LED 8000LM 40K	2'6"W X 2'2"D X 2"L LED STRIP LIGHT. 2000LM 40K LEDES.
D	LITHONIA LIGHTING WDGE1 LED P0 40K 80CRI VW MVOLT SRM E4WH PE DDBXD	APPROVED EQUIVALENT	120VOLT WALL SURFACE	WITH FIXTURE LED 750LM 40K	9"W X 8"H X 5.5"D WALL MOUNTED WEDGE STYLE EXTERIOR FIXTURE WITH EMERGENCY BATTERY AND BUTTON PHOTOCELL. DARK BRONZE FINISH.
E	LITHONIA LIGHTING STAK 2 X 4 4000LM 80CRI 40K COL MIN10	APPROVED EQUIVALENT	120VOLT CEILING RECESS	WITH FIXTURE LED 4000LM 40K	2'X 4' RECESSED TROFFER WITH CURVED OPAL LENS. 4000LM LED'S 40K
EM	ISOLITE BUG -3W-WH-MB	APPROVED EQUIVALENT	120/277 SURFACE BACK/CEILING 2 HEADS	NONE REQUIRED 3W LED WITH UNIT	RELIANCE SERIES COMPACT LED EMERGENCY LIGHT, 2W LED HEADS W/REMOTE CAPACITY, WHITE FINISH, SELF-DIAGNOSTICS
EMX	ISOLITE RLP-G-U-WH-MTEB-SD	APPROVED EQUIVALENT	120/277 SURFACE 2	NONE REQUIRED LED WITH UNIT	EXIT & EMERGENCY COMBINATION UNIT, GREEN LETTERS ON WHITE THERMOPLASTIC HOUSING, SELF TEST/SELF DIAGNOSTICS

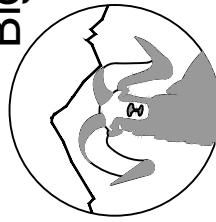
- NOTES:
- ALL LIGHTING FIXTURES DENOTED WITH "EM" OR HALF SHADED SHALL BE PROVIDED WITH AN ENGINEER APPROVED EMERGENCY BALLAST, DRIVER OR INVERTER TO PROVIDE THE REQUIRED LIGHT LEVELS ALONG THE PATH OF EGRESS PER ALL LOCAL CODES.
 - GRID MOUNTED LIGHTING FIXTURES SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE, NOT SUPPORTED FROM THE T-BAR CEILING GRID.
 - THE SYMBOLS USED IN THIS SCHEDULE ARE GENERIC SYMBOL TO INDICATE AN EXIT LIGHT FIXTURE. REFER TO THE PLANS FOR THE NUMBER OF FACES REQUIRED AT EACH EXIT. INSTALL THE NUMBER OF FACES REQUIRED AT EACH EXIT. FIELD ADJUST THE LOCATION OF THE EXIT SIGNS FOR THE BEST VISIBILITY POSSIBLE. ALL EXIT LIGHTS SHALL COMPLY WITH ALL LOCAL BUILDING CODES.
 - THIS EXIT SIGN REQUIRES THE EXTRA BATTERY CAPACITY TO OPERATE THE REMOTELY LOCATED EMERGENCY HEAD FOR EGRESS AWAY FROM THE BUILDING.



 **LIGHTING - FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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AIRPORT ROAD STORAGE
LIGHTING - FLOOR PLAN
1453 AIRPORT ROAD
RIFLE, COLORADO

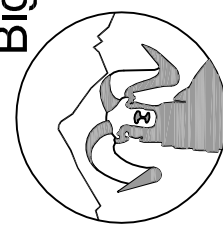
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DATE:	08/11/2025
JOB NO:	25-322
DRAWN BY:	BCE
CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	E1-1

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AIRPORT ROAD STORAGE

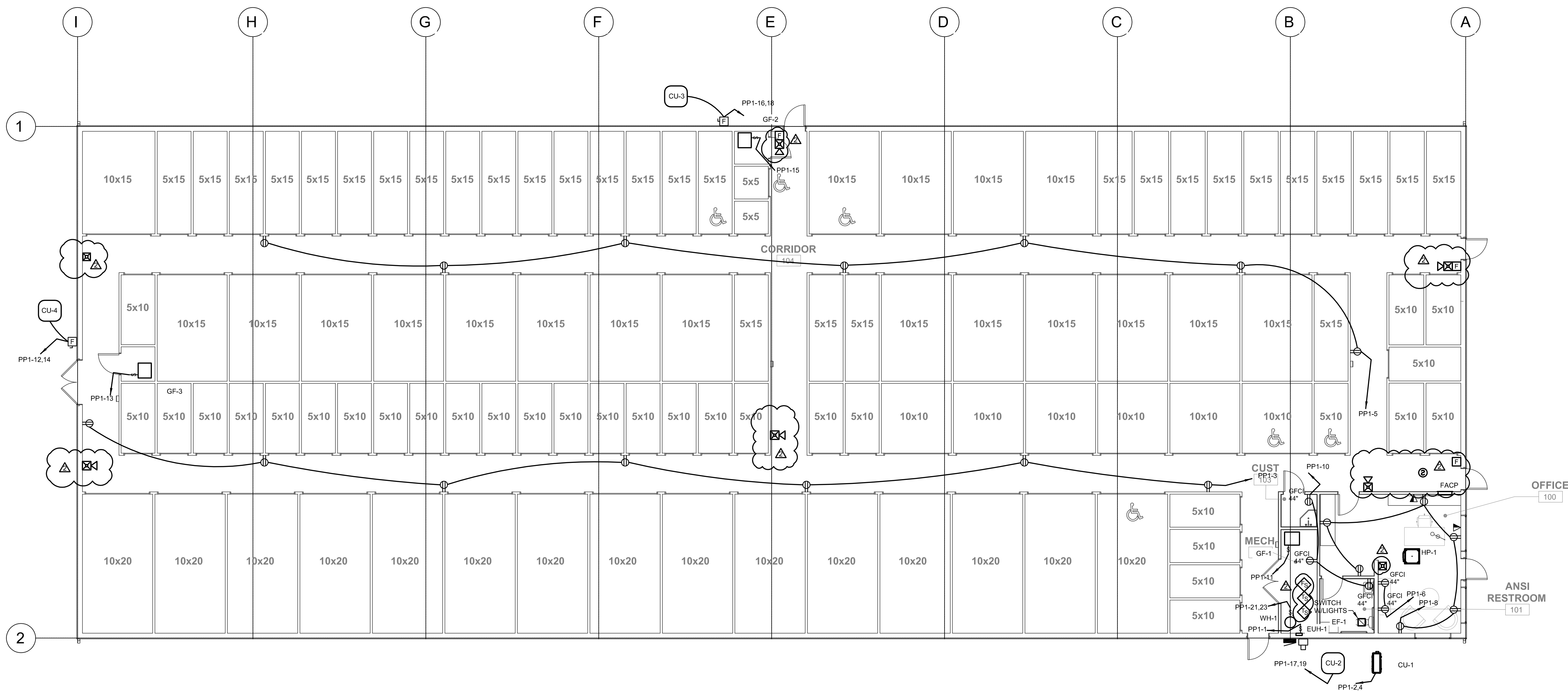
ELECTRICAL - FLOOR PLAN

1453 AIRPORT ROAD
RIFLE, COLORADO

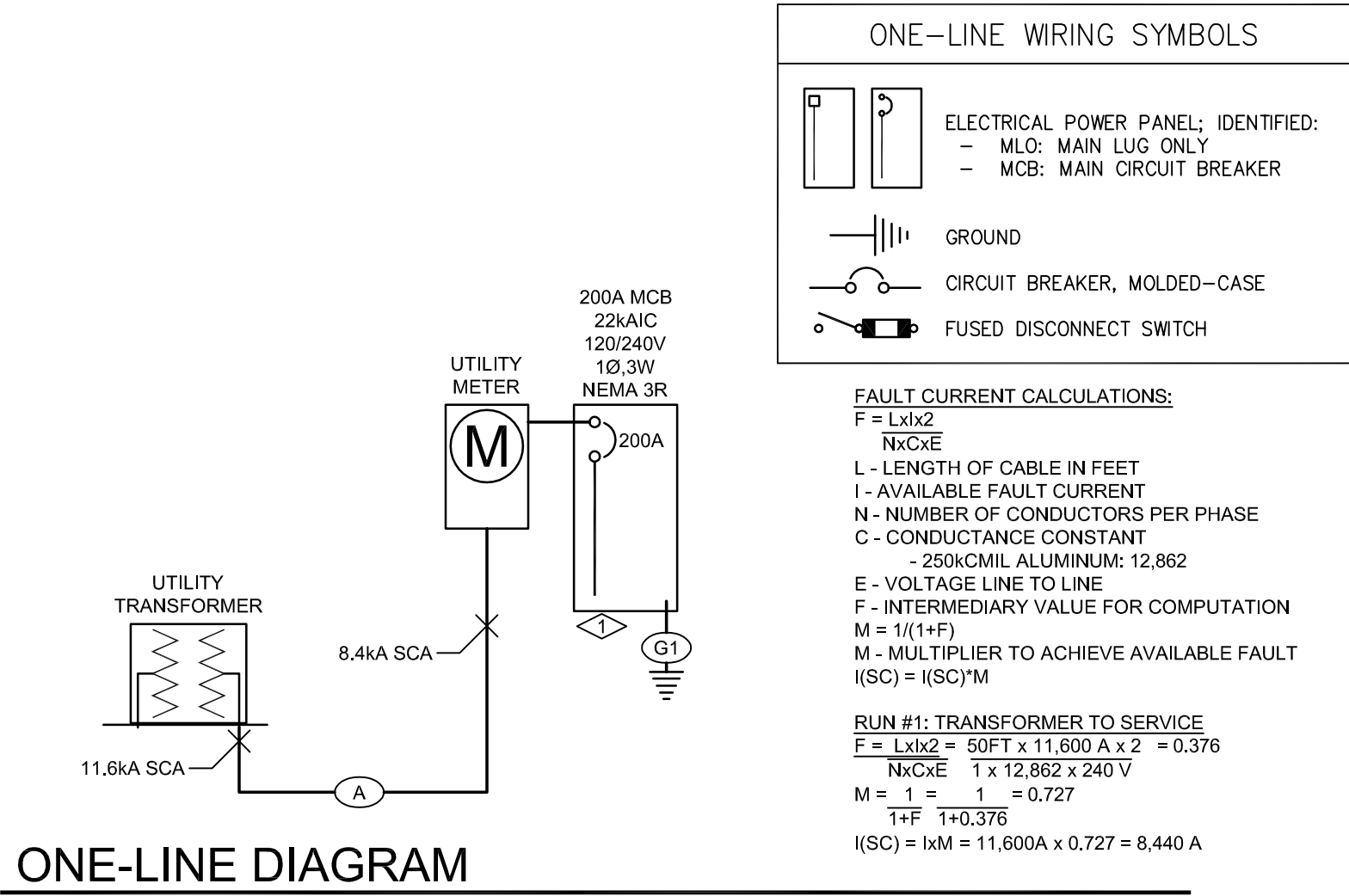
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SHEET NUMBER:	E2-1



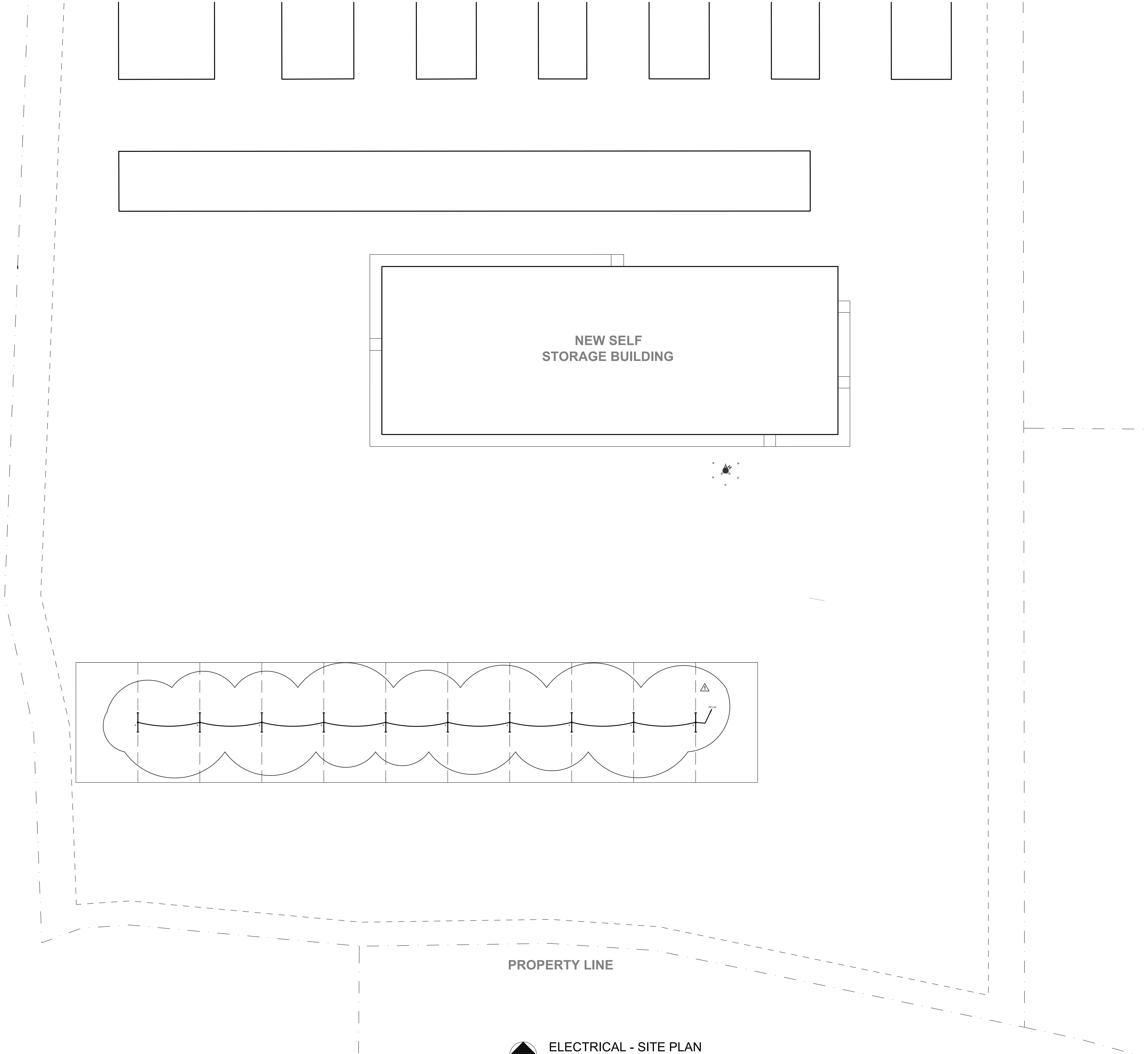
ELECTRICAL - FLOOR PLAN
SCALE: 1/8" = 1'-0"
NORTH



- NOT TO SCALE
- NOTES:
- PROVIDE GROUNDING AND BONDING TO MEET THE 2023 NEC ARTICLE 250 REQUIREMENTS.
 - FAULT CURRENT CALCULATIONS BASED UPON AN ANTICIPATED 50kVA TRANSFORMER AT AN ESTIMATED DISTANCE OF 50FT FROM THE TRANSFORMER TO THE SERVICE DISTRIBUTION PANEL.
 - PROVIDE LABELING TO MEET THE REQUIREMENTS OF NEC 110.21 AND 230.85.
 - PROVIDE SURGE PROTECTIVE DEVICES THAT COMPLY WITH NEC 225.42 AND 230.67.
- WIRE SCHEDULE:
- A 2 1/2" C - (3#250KCMIL(AL,XHHW))
- G1 #4AWG CU TO METAL WATER PIPES AND STRUCTURAL STEEL
#4AWG CU TO 20' UNCOATED CONCRETE ENCASED ELECTRODE

MECHANICAL EQUIPMENT SCHEDULE											
COMB: COMBINATION MOTOR STARTER			NR: NONE REQUIRED			CONT: CONTRACTOR					
MAG: MAGNETIC MOTOR STARTER			PI: PLUG-IN UNIT			MAN: MANUAL MOTOR STARTER					
			W/U: SUPPLIED WITH UNIT:								
UNIT NO	FUNCTION (NOTES)	LOAD	VOLTS	Ø	FULL LOAD AMPS	BRANCH CIRCUIT CONDUIT SIZE	NO. WIRE SIZE	GRND WIRE SIZE	BRKR SIZE	START	DISC FUSE
CU-1	CONDENSING UNIT		230V	1	30A	1/2"	2	8	10	40A	60
EF-1	EXHAUST FAN		120V	1	0.1A	1/2"	2	12	12	20A	40
EUH-1	ELECTRIC UNIT HEATER	500W	120V	1	4.0A	1/2"	2	12	12	20A	NR
FR-1	GAS FURNACE	200W	120V	1	1.6	1/2"	2	12	12	20A	NR
FR-2	WATER HEATER	2500W	240V	1	10.4	1/2"	2	12	12	20A	NR

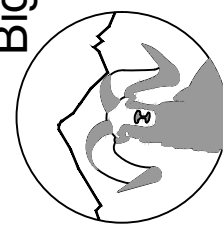
PANEL SCHEDULE -		PP1	TYPE: VOLTAGE: ENCLOSURE:	PANELBOARD 120/240 NEMA3R	BUS SIZE: MAIN BRKR MOUNTING:			225 200 SURFACE	PHASES: WIRES: SC RATING:	1 3 10000	NEUTRAL BUS: GROUND BUS:	YES YES
LOAD TYPE	LOAD DESCRIPTION			AMPS POLES	CKT# LOAD	Ø	CKT# LOAD	AMPS POLES	LOAD TYPE	LOAD DESCRIPTION		
MECH HEATING	UNIT EUH-1 ---			20A 1P	1 500	A	2 3600	40A 2P	MECH YEAR ROUND	UNIT CU-1		
RECEPTACLE	CORRIDOR OUTLETS ---			20A 1P	3 1260	B	4 3600	---	MECH YEAR ROUND	---		
RECEPTACLE	CORRIDOR OUTLETS ---			20A 1P	5 1260	A	6 360	20A 1P	RECEPTACLE	COFFEE BAR ---		
LIGHTING	CORRIDOR LIGHTS ---			20A 1P	7 816	B	8 900	20A 1P	RECEPTACLE	OFFICE OUTLETS ---		
LIGHTING	CORRIDOR LIGHTS ---			20A 1P	9 926	A	10 540	20A 1P	RECEPTACLE	MECH. CUST., BATHROOM ---		
MECH YEAR ROUND	UNIT FR-1 ---			20A 1P	11 200	B	12 3600	40A 2P	MECH YEAR ROUND	UNIT CU-3		
MECH YEAR ROUND	UNIT FR-2 ---			20A 1P	13 200	A	14 3600	---	MECH YEAR ROUND	---		
MECH YEAR ROUND	UNIT FR-3 ---			20A 1P	15 200	B	16 3600	40A 2P	MECH YEAR ROUND	UNIT CU-4		
MECH YEAR ROUND	UNIT CU-2 ---			40A 2P	17 3600	A	18 3600	---	MECH YEAR ROUND	---		
MECH YEAR ROUND	---			---	19 3600	B	20 200	20A 1P	SPARE	UNALLOCATED FUTURE ---		
MISCELLANEOUS	UNIT WH-1 ---			20A 2P	21 1250	A	22 200	20A 1P	SPARE	UNALLOCATED FUTURE ---		
MISCELLANEOUS	---			---	23 1250	B	24 200	20A 1P	SPARE	UNALLOCATED FUTURE ---		
LIGHTING	EXTERIOR CANOPY LIGHTS ---			20A 1P	25 682	A	26 0	---	SPACE	---		
MISCELLANEOUS	FIRE ALARM PANEL ---			20A 1P	27 200	B	28 0	---	SPACE	---		
SPACE	---			---	29 0	A	30 0	---	SPACE	---		
SPACE	---			---	31 0	B	32 0	---	SPACE	---		
SPACE	---			---	33 0	A	34 0	---	SPACE	---		
SPACE	---			---	35 0	B	36 0	---	SPACE	---		
SPACE	---			---	37 0	A	38 0	---	SPACE	---		
LOADS BY TYPE:					LOADS BY PHASE:							
LOAD TYPE	CONNECTED LOAD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)	PHASE		CONNECTED LOAD (VA)		CONNECTED LOAD (AMPS)		BALANCE (PERCENT)		
LIGHTING	2424.00	1.25	3030.00	A		20318.00		169.32		A-B: 96.6		
KITCHEN PROCESS	0.00 0.00	0.00 1.00	0.00 0.00	B		19626.00		163.55		B-A: 96.6		
RECEPTACLES	4320.00	1.00	4320.00	C		---		---		---		
MECH HEATING	500.00	1.00	500.00	TOTAL/AVERAGE		39944.00		166.43		96.6		
MECH COOLING	0.00	1.00	0.00	NOTES: 1. THE LARGEST CONNECTED MOTOR LOAD IS INCLUDED IN MECHANICAL, PROCESS, OR MOTOR LOADS.								
MECH YEAR ROUND	29400.00	1.00	29400.00									
APPLIANCE	0.00	1.00	0.00									
MISCELLANEOUS	2700.00	1.00	2700.00									
MOTOR	0.00	1.00	0.00									
SPARE	600.00	1.00	600.00									
LARGEST MOTOR	1 ABOVE	0.25	1800.00									
TOTAL	39944.00		42350.00									



**ELECTRICAL - SITE PLAN**
SCALE: 1" = 20'

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