



Aug 31, 2023

ADDENDUM NO. THREE (3) **REVISED**

PROJECT: PV-TEC Building Remodel

To: **All Bidders**

This addendum forms a part of the contract documents and modifies the original bidding documents as noted below. Except as affected by data included herein, all other parts of the contract documents shall remain in full force and effect. It shall be the sole responsibility of the bidder to appropriately disseminate this data to all concerned prior to the bid time and date. Acknowledge receipt of this addendum in the space provided on the bid form. Failure to do so may subject the bidder to disqualification.

This addendum consists of 4 page(s) and 39 page(s) attachment for a total of 43 pages.

**GENERAL ITEMS:**

- A1 **The owner has requested that the bid be changed to September 27, 2023.  
The bid opening will start at 1:30 p.m.**
- A2 ~~Without the structural plans, we have determined to provide an allowance for the project for foundations, footings, and excavation. The allowance amount is to be \$2,900,000. Please include this into your bid amounts at time of bid.~~
- A3. Please see the attached PEMB plans for the addition.
- A4. To provide greater clarity, the attached sheet, marked as Item A2, provides the locations of existing and new concrete slabs within the building.
- A4. The following items shall be provided by the owner: Kitchen Equipment, Welding Shop Equipment, Furnishings, Appliances, Small Equipment

**SPECIFICATION ITEMS:**

- S1 Section 06 4100 – Part 2.01: The following manufacturer has been approved for this project:  
Cutting Edge Cabinet, Inc.  
3549 Maiben Ave  
Ammon, Idaho 83406
- S2 Section 09 6723: The following specification for resinous flooring has been included in the construction documents – see attached.

S3 Section 09 3000 – Part 2.01: It has come to my attention that the tile selections indicated in the specification are no longer available. The following tiles have been selected for the project:

B. Porcelain Tile:

1. Location: Restroom Floor Tile
2. Basis of Design: Daltile “Chord”
3. Color: “Rhythm Brown” CH23
4. Size: 12”x24” inch, nominal

C. Porcelain Tile:

1. Location: Restroom Wall Base Tile
2. Basis of Design: Daltile “Chord”
3. Color: “Rhythm Brown” CH23
4. Size: 6”x12” inch, nominal

D. Porcelain Tile:

1. Location: Restroom Wall Tile
2. Basis of Design: Daltile “Chord”
3. Color: “Allegro Beige” CH21
4. Size: 12”x24” inch, nominal

- S4 Section 09 3000 – Part 2.03 “Setting Materials”: The following product has been approved for this project:

Manufacturer: Ardex Americas

Product: Ardex X3Plus LHT mortar

- S5 Section 09 5100 – Part 2.01 “Acoustical Units”: The following product is to be included as part of the project:

B. Acoustical Panels: Painted mineral fiber, with the following characteristics:

1. Classification: ASTM E1264 Type III.
  - a. Form: 2, water felted.
  - b. Pattern: "D" - fissured.
2. Size: 24 by 24 inches.
3. Thickness: 5/8 inch.
4. Panel Edge: Square.
5. Color: White.
6. Suspension System: Exposed grid.

- S6 Section 09 6813 – 2.02 “Materials”: It has come to our attention that the carpet tile specified in the project is discontinued. Given these circumstances, the following carpet options have been approved:

A. Tile Carpeting: Patcraft Collection: On Neutral Ground 2

1. Color: Slub #00740
2. Tile Size: 18 by 36 inch, nominal.

3. Installation Method: Basketweave

B. Tile Carpeting: Mohawk Collection: Taking Steps

1. Style: Necessary Action
2. Color: Li #858
3. Tile Size: 24 by 24 inch, nominal.
4. Installation Method: Quarter-turn

C. Tile Carpeting: Interface Collection: Straight Edge

1. Color: Gray #102861
3. Tile Size: 50 by 50 cm, nominal.
4. Installation Method: Quarter-turn

S7 Section 09 7720 – As a matter of clarification, Marlite “Pebble Texture” RFP is an acceptable product.

S8 Section 09 9000 – The following are clarifications for interior paint systems:

1. Per Section 2.04 A applies to unfinished HM door frames.
2. Per Section 2.04 B is not applicable to this project.
3. Per Section 2.04 C, provide the following:
  1. New Wallboard:
    - a. High Performance Architectural Latex
      - 1) Two topcoats and one coat primer.
      - 2) Topcoat(s): High Performance Architectural Interior Latex; MPI #138, 139, 140, or 141.

**DRAWING ITEMS:**

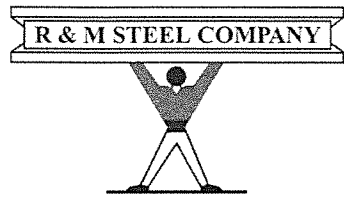
- D1 A1.1 - Note 14 has been added to the sheet, relating to the existing manholes on site – see attached.
- D2 A1.1 and A1.2- At the request of the city, the ADA curb ramp at the intersection of Hawthorne Rd and the mall access road (NE) shall be removed and replaced. See note 15 on A1.1 and 18 on A1.2.
- D3 A1.2 - At the request of the city the new 8” water line shall be move east of the building so that the distance from the building and the water is 40’. In addition, the city has requested that we provide a water main valve within the line as well as thrust blocks at changes of direction (notes 14 and 15). All work to comply with city standards as per general note ‘G’ - see attachment.
- D4 Provide new ADA ramp at the SE entrance/exit to the building for new ADA parking stalls as per notes 16 and 17.
- D5 A1.4 - Topsoil in Landscaping areas: Excavation contractor use stockpiled and imported topsoil to achieve the following:  
1’-0” min topsoil under pine bark mulch areas shown on plans.



Stockpiled topsoil to be screened to eliminate any rocks over 1/2". Excavation contractor to spread topsoil after sprinkler system trenching has been completed. This is to be coordinated with general contractor

- D6 A1.4 - Irrigation requirements: Sheet A1.4 has been reissued in order to provide greater clarity regarding the irrigation requirements – see attached.
- D7 A1.5 - The following have been provided based off of requests from the city:
- 8/A1.5 ADA Ramp Detail
  - 9/A1.5 ADA Symbol Detail
  - 10/A1.5 ADA Curb Ramp Detail
- D8 A2.7: The wall section cut referenced at door 144H is found at 2/A7.
- D9 A8.3: Wall type 'A' erroneously calls out for R19 (6") insulation for a 3 5/8" stud wall. Please use R13 within the wall system.
- D10 A8.3: Wall type "E" plywood wall sheathing is to be 5/8" plywood in lieu of 1/2" plywood.
- D11 A8.3: The 3" sound batt found in Wall type F is to be 3" batt a mineral wool batt insulation.

**END OF ADDENDUM NO. 3**



# R & M STEEL COMPANY

P.O. Box 580  
Caldwell, Idaho 83606

Phone: 1-208-454-1800 Toll Free: 1-866-454-1800  
Fax: 1-208-454-1801 Toll Free: 1-866-454-1801

**STEEL BUILDING SYSTEMS**

## DRAWING APPROVAL

DATE: 5/31/2023

PHONE: (208) 235-6807

TO FAX NUMBER:

TO: **POCATELLO – CHUBBUCK SCHOOL DISTRICT**

ATTENTION: **RHONDA NAFTZ**

NUMBER OF PAGES TRANSMITTED INCLUDING THIS COVER SHEET: 27

REPLY REQUESTED: \_\_\_\_\_ URGENT **XXX** ASAP \_\_\_\_\_ NONE NEEDED

REGARDING JOB: **PORTNEUF VALLEY TECH CAREER  
(POCATELLO, ID)**

QUOTE #:

APPROVAL REVISION #:

**Please Review the Attached Drawings  
Check the Appropriate Comment Box  
Sign Your Approval in the Box Below.**

<b>Documents For Approval Not To Be Used For Construction</b>	
<input type="checkbox"/>	Approved With No Changes
<input type="checkbox"/>	Approved With Changes
<input type="checkbox"/>	Resubmit For Approval with Changes
<small>These documents set forth R &amp; M Steel's interpretation of the building requirements as represented by your Acceptance of Quotation. Changes must be marked clearly in red ink. Any alteration or deviation from the Acceptance of Quotation will be subject to a written Change Order agreed-to and executed by both parties, and same will become a charge over and above the agreed-to Purchase Price.</small>	
_____	_____
<small>Authorized Buyer's Signature</small>	<small>Date</small>

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FROM: **PROJECT MANAGEMENT**

Rev. #4 Revised 4/5/2017

www.rmsteel.com

www.aviationbuildingsystem.com

Steel Building Excellence • Since 1969

**CUSTOMER INFORMATION**

CUSTOMER NAME: POCATELLO-CHUBBUCK SCHOOL DIST  
 ADDRESS: 4200 HAWTHORNE RD.  
 POCATELLO, ID 83204

PROJECT NAME: PORTNEUF VALLEY TECH/CAREER  
 PROJECT LOCATION: POCATELLO, ID

**GENERAL NOTES**

1. MATERIALS
 

	ASTM DESIGNATION				
STRUCTURAL STEEL PLATE	A529 OR A572 OR A1011SS	GRADE 55			
FLANGE MATERIAL	A529	GRADE 55			
COLD FORMED LIGHT GAUGE SHAPES	A1011SS	GRADE 55			
STRUCTURAL CABLES	A475	GRADE EHS			
HOT ROLLED MILL SHAPE	A992	GRADE 50			
HOLLOW STRUCTURAL SECTIONS	A500	GRADE B			
PBR36 ROOF AND WALL PANELS	A653 OR A792	GRADE 80			
STANDING SEAM ROOF	A653 OR A792	GRADE 50			
BOLTS	A325	A325			
BOLTS	GRADE 5	GRADE 5			
2. DESIGN
  - A. ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBER ARE DESIGNED IN ACCORDANCE WITH THE AISC 360-16 "SPECIFICATIONS FOR THE DESIGN, FABRICATING AND ERECTION OF STRUCTURAL STEEL BUILDING", ALLOWABLE STRESS DESIGN.
  - B. ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH AISI S100-16 "SPECIFICATIONS FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
  - C. ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1 2017 "STRUCTURAL WELDING CODE".
3. HIGH STRENGTH BOLT CONNECTIONS:
 

ALL HIGH STRENGTH BOLTS ARE TYPE ASTM A325 AND ARE TO BE INSTALLED ACCORDING TO THE "SNUG-TIGHT" CONDITIONS AS DEFINED BY THE, RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS, UNLESS NOTED OTHERWISE.

ALSO, NOTE THAT BOLTS IN STANDARD HOLES DO NOT REQUIRE WASHERS PER THE, RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS, SECTION 6 (REFERENCE STEEL CONSTRUCTION AISC MANUAL 360-16)
4. A325 BOLT TIGHTENING REQUIREMENTS
 

ALL HIGH STRENGTH BOLTED CONNECTIONS ARE SUBJECT TO AXIAL TENSION AND OR SLIP CRITICAL. AS SUCH THE BOLTS MUST BE FULLY PRE-TENSIONED AND INSPECTED IN ACCORDANCE WITH THE AISC 360-16 SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS AND THE APPLICABLE BUILDING CODE. WASHERS ARE NOT REQUIRED WHEN THE "TURN OF THE NUT" TIGHTENING PROCEDURE IS USED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE PROPER BOLT TIGHTNESS.
5. STRUCTURAL PRIMER
 

ALL STRUCTURAL MEMBERS WILL BE GIVEN ONE COAT OF MANUFACTURER'S STANDARD RUST-INHIBITIVE PRIMER MEETING THE PERFORMANCE REQUIREMENTS OF TT-P-6645. THIS IS NOT A FINISH COAT AND IS NOT INTENDED FOR PROLONGED EXPOSURE TO THE ELEMENTS. REFERENCE AISC 360-16, CODE OF STANDARD PRACTICE SECTION 6.5.1-6.5.4.

6. BUILDER / CONTRACTOR RESPONSIBILITIES

R & M STEEL COMPANY STANDARD PRODUCT SPECIFICATIONS APPLY AND R & M STEEL COMPANY DESIGN, FABRICATION, QUALITY CONTROL STANDARDS AND TOLERANCE WILL GOVERN. IN CASE OF DISCREPANCIES BETWEEN R & M STEEL COMPANY'S PLANS AND PLANS FOR OTHER TRADES R & M STEEL PLANS SHALL GOVERN. (SECTION 3.3 AISC 303-16 CODE OF STANDARD PRACTICES.)

IT IS THE RESPONSIBILITY OF THE BUILDER / CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE OR FEDERAL AGENCIES AS REQUIRED.

APPROVAL OF R & M STEEL COMPANY'S DRAWINGS CONSTITUTES THE BUILDER / CONTRACTOR'S ACCEPTANCE OF R & M STEEL COMPANY'S INTERPRETATION OF THE PURCHASE ORDER. (SECTION 4.2.1 AISC 303.16 CODE OF STANDARD PRACTICES.)

THE BUILDER / CONTRACTOR OR A/E FIRM IS RESPONSIBLE FOR THE OVERALL PROJECT. ALL INTERFACE AND COMPATIBILITY CONCERNING ANY MATERIAL NOT FURNISHED BY R & M STEEL COMPANY ARE TO BE CONSIDERED AND COORDINATED BY THE BUILDER / CONTRACTOR OR A/E FIRM UNLESS SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE PURCHASE ORDER. R & M STEEL COMPANY ASSUMPTIONS WILL GOVERN.

THE BUILDER / CONTRACTORS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL BUILDING COMPONENTS IN ACCORDANCE WITH R & M STEEL COMPANY'S BUILDING "FOR CONSTRUCTION" DRAWINGS. TEMPORARY SUPPORTS OR BRACING REQUIRED FOR THE BUILDING ERECTION WILL BE THE RESPONSIBILITY OF THE ERECTOR TO DETERMINE, FURNISH AND INSTALL. (SECTION 7.9.1 AISC 303.16 CODE OF STANDARD PRACTICES.)

THE DESIGN OF THE ANCHOR BOLT EMBEDMENT LENGTH IS THE RESPONSIBILITY OF THE FOUNDATION DESIGN ENGINEER. THE LENGTH PROVIDED BY R & M STEEL IS AN ESTIMATED LENGTH AND SHOULD BE ADJUSTED ACCORDING TO THE FOUNDATION DESIGN.

**BUILDING LOADS / DESCRIPTION:**

WIDTH: 60 LENGTH: 54 HEIGHT: 19 / 19  
 ROOF PITCH: 3.0:12 / 3.0:12  
 THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY : IBC 18 (IBC 18)  
 THE CONTRACTOR / BUILDER IS TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

ROOF DEAD LOAD:	<u>2.83</u>	PSF (ROOF PANELS & PURLINS)
COLLATERAL LOAD:	<u>8.00</u>	PSF
ROOF LIVE LOAD:	<u>20.00</u>	PSF
GROUND SNOW LOAD: (Pg)	<u>45.00</u>	PSF
ROOF SNOW LOAD: (Pt)	<u>34.65</u>	PSF
BASIC WIND SPEED:	<u>111</u>	MPH
SEISMIC COEFFICIENT:	<u>0.668</u>	

**IMPORTANCE FACTORS:**

WIND LOAD:	<u>1.00</u>
SNOW LOAD:	<u>1.00</u>
SEISMIC:	<u>1.00</u>

**ROOF PANELS:**

COLOR: 24 Ga. TS-324 (SSR) ROOF COLOR

**WALL PANELS:**

COLOR: (By Others) ROOF COLOR

**TRIM COLORS:**

GABLE:	<u>TRIM COLOR</u>
EAVE:	<u>TRIM COLOR</u>
CORNER:	<u>(By Others)</u>
DOOR & WINDOW:	<u>(By Others)</u>
GUTTER:	<u>--</u>
DOWNSPOUTS:	<u>--</u>
BASE (OPTIONAL):	<u>(By Others)</u>
8" JAMB/HEAD:	<u>(By Others)</u>

**SOFFIT PANEL:**

GABLE EXT: \_\_\_\_\_  
 EAVE EXT: \_\_\_\_\_  
 CANOPY: \_\_\_\_\_

**LINER PANEL:**

LEFT : \_\_\_\_\_  
 RIGHT: \_\_\_\_\_  
 FRONT: \_\_\_\_\_  
 BACK : \_\_\_\_\_  
 ROOF : \_\_\_\_\_

Pf = 0.7 Ce Ct I Pg
Ce = 1.0
Ct = 1.0
I = 1.1
Pg = 45.0 PSF
Pf = 34.65 PSF

**EARTHQUAKE DESIGN DATA:**

INPUT:

Occupancy Category:	III- High
Seismic Importance Factor:	1.25
Mapped Response (Short), Ss:	0.47
Mapped Response (1 sec.), S1:	0.15
Site Class:	d - Default

RESULT:

Seismic Design Category, SDC:	D
Basic Seismic-Force-Resisting Systems:	OCBF, OMF
Analysis Procedure Used:	Equivalent Lateral

FORCE:

Site Coeff (Short), Fa:	1.4248
Site Coeff (1 sec.), Fv:	2.2920
Max. Design Response (Short), Sms:	0.67
Max. Design Response (1 sec.), Sm1:	0.3530
Design Response (Short), Sds:	0.45
Design Response (1 sec.), Sd1:	0.24
Approx. Period (Moment), Ta:	0.2938
Approx. Period (Brace), Tb:	0.1812
Rigid Frame Deflection Limit (Seis):	87
Wind Bent Deflection Limit (Seis):	87

DES\_CALC:

Seismic Forces:

Roof Bracing:	Endwall Bracing:	End Plates, Frame:
R = 3.2500	R = 3.2500	R = 3.2500
Rho = 1.3000	Omega = 2.0000	Omega = 3.0000
Cs = 0.171	Cs = 0.171	

Sidewall Bracing:	Rigid Frames:	Wind Bent
R = 3.2500	R = 3.25	R = 3.2500
Omega = 2.0000	Rho = 1.3000	Rho = 1.3000
Cs = 0.171	Cs = 0.171	Cs = 0.17

Total Base Shear:  
 Longitudinal Force, V = 66.21 (k)  
 Transverse Force, V = 66.28 (k)



<b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF

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HOLLOW STRUCTURAL SECTIONS	A500	GRADE B			
PBR36 ROOF AND WALL PANELS	A653 OR A792	GRADE 80			
STANDING SEAM ROOF	A653 OR A792	GRADE 50			
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BOLTS	GRADE 5	GRADE 5			
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 ROOF PITCH: 3.0:12 / 3.0:12  
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 THE CONTRACTOR / BUILDER IS TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

ROOF DEAD LOAD:	2.83	PSF (ROOF PANELS & PURLINS)
COLLATERAL LOAD:	8.00	PSF
ROOF LIVE LOAD:	20.00	PSF
GROUND SNOW LOAD: (Pg)	45.00	PSF
ROOF SNOW LOAD: (Pf)	34.65	PSF
BASIC WIND SPEED:	111	MPH
SEISMIC COEFFICIENT:	0.668	

Pf = 0.7 Ce Cf I Pg  
 Ce = 1.0  
 Cf = 1.0  
 I = 1.1  
 Pg = 45.0 PSF  
 Pf = 34.65 PSF

**IMPORTANCE FACTORS:**

WIND LOAD:	1.00
SNOW LOAD:	1.00
SEISMIC:	1.00

**ROOF PANELS:**

COLOR: 24 Ga. TS-324 (SSR) ROOF COLOR

**WALL PANELS:**

COLOR: (By Others)

**TRIM COLORS:**

GABLE:	Trim Colors
EAVE:	Trim Colors
CORNER:	(By Others)
DOOR & WINDOW:	(By Others)
GUTTER:	--
DOWNSPOUTS:	--
BASE (OPTIONAL):	(By Others)
8" JAMB/HEAD:	(By Others)

**SOFFIT PANEL:**

GABLE EXT: \_\_\_\_\_  
 EAVE EXT: \_\_\_\_\_  
 CANOPY: \_\_\_\_\_

**LINER PANEL:**

LEFT : \_\_\_\_\_  
 RIGHT: \_\_\_\_\_  
 FRONT: \_\_\_\_\_  
 BACK : \_\_\_\_\_  
 ROOF : \_\_\_\_\_

**EARTHQUAKE DESIGN DATA:**

INPUT:

Occupancy Category:	III- High
Seismic Importance Factor:	1.25
Mapped Response (Short), Ss:	0.47
Mapped Response (1 sec.), S1:	0.15
Site Class:	d - Default

RESULT:

Seismic Design Category, SDC:	D
Basic Seismic-Force-Resisting Systems:	OCBF, OMF
Analysis Procedure Used:	Equivalent Lateral

FORCE:

Site Coeff (Short), Fa:	1.4248
Site Coeff (1 sec.), Fv:	2.2920
Max. Design Response (Short), Sms:	0.67
Max. Design Response (1 sec.), Sm1:	0.3530
Design Response (Short), Sds:	0.45
Design Response (1 sec.), Sd1:	0.24
Approx. Period (Moment), Ta:	0.3097
Approx. Period (Brace), Tb:	0.1904
Rigid Frame Deflection Limit (Seis):	87
Wind Bent Deflection Limit (Seis):	87

DES\_CALC:

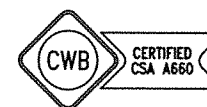
Seismic Forces:

Roof Bracing:	Endwall Bracing:	End Plates, Frame:
R = 3.2500	R = 3.2500	R = 3.2500
Rho = 1.3000	Omega = 2.0000	Omega = 3.0000
Cs = 0.171	Cs = 0.171	

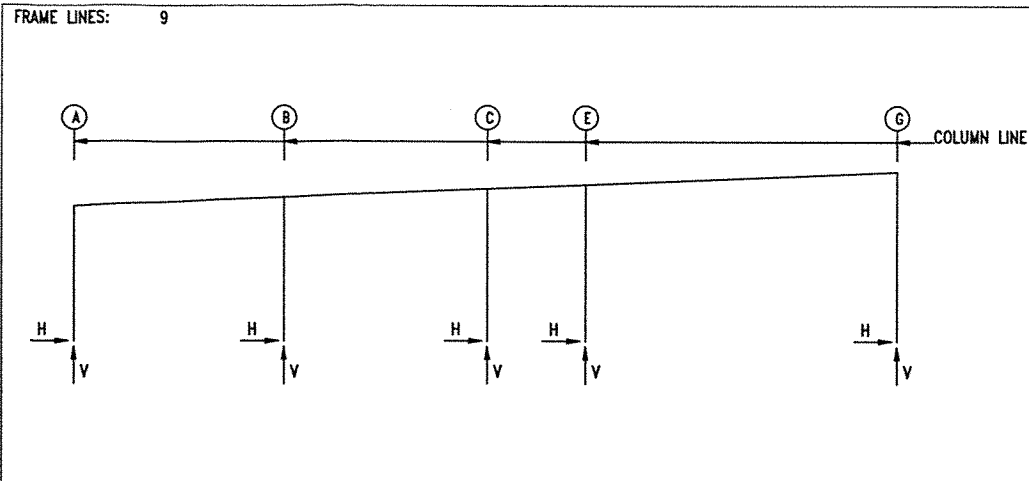
  

Sidewall Bracing:	Rigid Frames:	Wind Bent
R = 3.2500	R = 3.25	R = 3.2500
Omega = 2.0000	Rho = 1.3000	Rho = 1.3000
Cs = 0.171	Cs = 0.171	Cs = 0.17

Total Base Shear:  
 Longitudinal Force, V = 7.14 (k)  
 Transverse Force, V = 6.25 (k)



<b>R &amp; M STEEL COMPANY</b>		
P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF



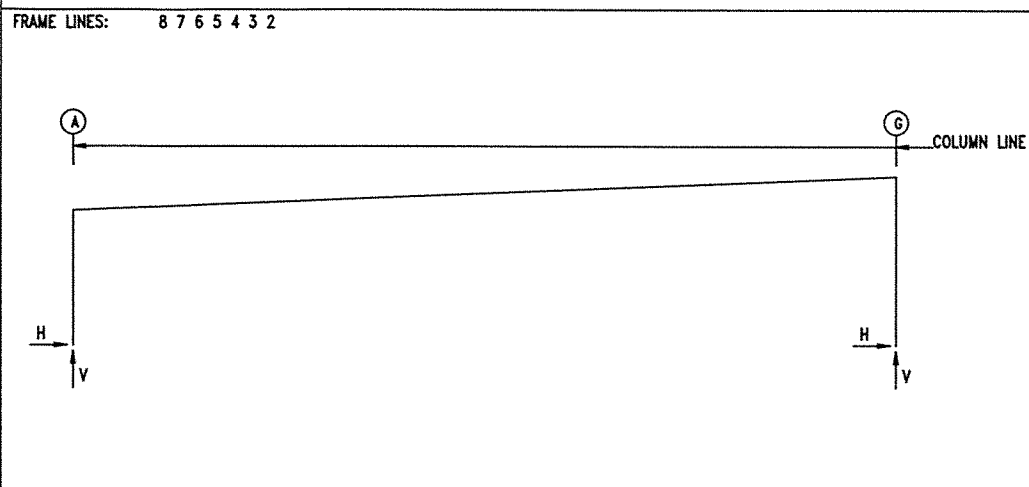
**RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES**  
THE VERTICAL COMPONENT OF BRACING REACTION IS INCLUDED IN VERTICAL REACTIONS.

Frm Line	Col Line	Load Id	Column_Reactions(k)		Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in)		Thick	Grout (in)
			Hmax H	Vmax V						Width	Length		
8*	A	1	46.8	56.8	3	-7.5	-6.7	4	1.250	10.00	11.13	0.500	0.0
8*	G	5	4.9	-7.4	1	-46.8	54.0	4	1.250	10.00	11.25	0.500	0.0
8*		1	-46.8	54.0	5	4.9	-7.4						
8*	Frame lines:		8	7	6	5	4	3	2				

**NOTES FOR REACTIONS**

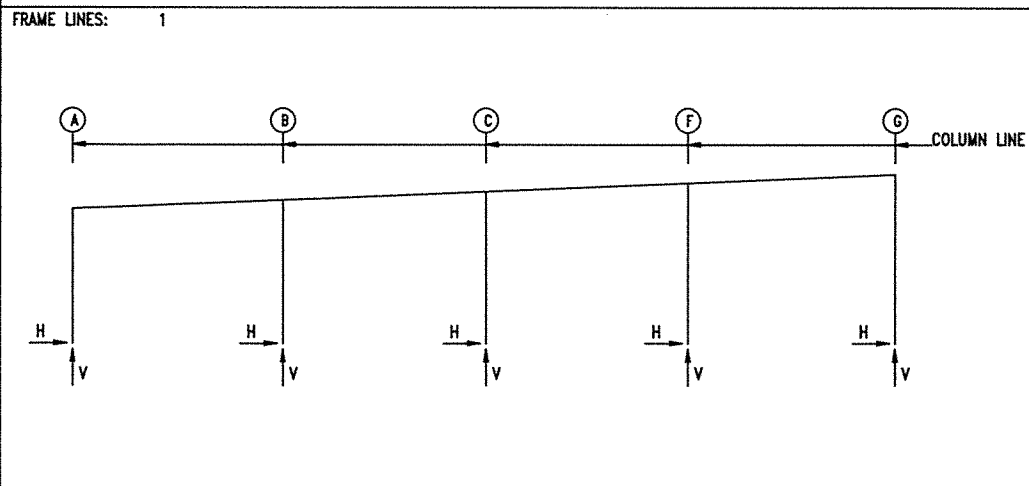
- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:
  - Width (ft) = 101.5
  - Length (ft) = 165.0
  - Eave Height (ft) = 16.8/ 21.0
  - Roof Slope (rise/12) = 0.5
  - Dead Load (psf) = 2.8
  - Collateral Load (psf) = 8.0
  - Live Load (psf) = 20.0
  - Ground Snow Load (psf) (Pg) = 45.0
  - Roof Snow Load (psf) (Pt) = 34.7
  - Wind Speed (mph) = 111.0
  - Wind Code = IBC 18
  - Exposure = C
  - Closed/Open = C
  - Importance Wind = 1.00
  - Importance Seismic = 1.25
  - Seismic Zone = D
  - Seismic Coeff (Fa\*Ss) = 0.67
- Loading conditions are:
  - 1 Dead+Collateral+Snow+Snow\_Drift
  - 2 Dead+Collateral+0.75Snow+0.45Wind\_Left1+0.75Snow\_Drift
  - 3 0.6Dead+0.6Wind\_Left1
  - 4 0.6Dead+0.6Wind\_Right2
  - 5 0.6Dead+0.6Wind\_Long1L
  - 6 1.06Dead+1.06Collateral+0.7Seismic\_Left
  - 7 1.06Dead+1.06Collateral+0.7Seismic\_Right
  - 8 0.54Dead+0.7Seismic\_Left
  - 9 0.54Dead+0.7Seismic\_Right
  - 10 0.54Dead+0.7Seismic\_LongL
  - 11 0.6Dead+0.6Wind\_Left1+0.6Wind\_Suction
  - 12 0.6Dead+0.6Wind\_Pressure+0.6Wind\_Long1L
  - 13 Dead+Collateral+Snow/2+E1PAT\_SL\_2
  - 14 0.6Dead+0.6Wind\_Right1+0.6Wind\_Suction

Pf = 0.7 Ce Ct | Pg  
 Ce = 1.0  
 Ct = 1.0  
 I = 1.1  
 Pg = 45.0 PSF  
 Pf = 34.65 PSF



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

Frm Line	Col Line	Load Id	Column_Reactions(k)		Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in)		Thick	Grout (in)
			Hmax H	Vmax V						Width	Length		
1	A	7	3.8	4.9	8	-3.5	-2.2	4	0.750	6.000	8.500	0.500	0.0
1	G	9	1.9	-1.4	6	-2.2	4.2	4	0.750	6.000	8.500	0.500	0.0
1		1	-1.3	9.2	9	1.9	-1.4						
1	B	9	0.0	-2.4	9	0.0	-2.4	4	0.750	6.000	8.375	0.500	0.0
1		1	0.0	18.9									
1	C	3	0.0	-2.0	3	0.0	-2.0	4	0.750	6.000	8.125	0.500	0.0
1		1	0.0	17.6									
1	F	3	0.0	-2.2	3	0.0	-2.2	4	0.750	6.000	8.125	0.500	0.0
1		1	0.0	18.5									



**ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)**

Frm Line	Col Line	Wind Press	Wind Suct	-MIN_SNOW--		E1PAT_SL_1-		E1PAT_SL_2-		E1PAT_SL_3-		E1PAT_SL_4-	
				Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert		
9	B	-3.3	3.6	0.0	7.6	0.0	3.2	0.0	0.3	0.0	5.7	0.0	2.4
9	C	-2.6	2.8	0.0	1.3	0.0	-0.7	0.0	-2.8	0.0	2.6	0.0	4.6
9	E	-0.9	1.0	0.0	9.7	0.0	0.3	0.0	7.0	0.0	-0.5	0.0	0.4
Frm Line	Col Line	E1PAT_SL_5-											
9	B	0.0	0.2										
9	C	0.0	-1.6										
9	E	0.0	8.1										
Frm Line	Col Line	E2PAT_SL_1-											
1	F	-3.7	4.1	0.0	7.0	0.0	3.1	0.0	0.1	0.0	5.8	0.0	2.3
1	C	-3.4	3.8	0.0	5.7	0.0	-0.5	0.0	-0.5	0.0	2.2	0.0	5.5
1	B	-3.3	3.6	0.0	7.1	0.0	0.1	0.0	3.2	0.0	-0.3	0.0	2.2
Frm Line	Col Line	E2PAT_SL_5-											
1	F	0.0	-0.3										
1	C	0.0	2.3										
1	B	0.0	5.8										

**BUILDING BRACING REACTIONS**

Loc	Wall Line	Col Line	± Reactions(k)				Panel_Shear (lb/ft)		Note
			Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Wind	Seis	
L_EW	9								(h)
F_SW	G	8,7	2.0	1.9	10.9	10.2			
		6,5	2.0	1.9	10.9	10.2			
		5,4	2.0	1.9	10.9	10.2			
R_EW	A	3,2	2.0	1.9	10.9	10.2			
		2,3	1.8	1.3	10.6	7.8			
		4,5	1.8	1.3	10.6	7.8			
B_SW	A	6,7	1.8	1.3	10.6	7.8			
		8,9	1.8	1.4	10.6	7.9			

(h) Rigid frame at endwall

**RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES**  
THE VERTICAL COMPONENT OF BRACING REACTION IS INCLUDED IN VERTICAL REACTIONS.

Frm Line	Col Line	Load Id	Column_Reactions(k)		Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in)		Thick	Grout (in)
			Hmax H	Vmax V						Width	Length		
9	A	7	5.8	8.0	8	-4.8	-3.0	4	0.750	6.000	9.000	0.500	0.0
9		1	3.5	17.3	10	0.2	-4.6						
9	G	4	1.7	0.1	2	-3.5	12.2	4	0.750	6.000	8.625	0.500	0.0
9		1	-3.5	18.2	5	-0.7	-2.7						
9	B	5	0.0	-3.6	5	0.0	-3.6	4	0.750	6.000	8.375	0.500	0.0
9		1	0.0	34.8									
9	C	3	0.0	-1.8	3	0.0	-1.8	4	0.750	6.000	8.125	0.500	0.0
9		1	0.0	17.5									
9	E	3	0.0	-4.9	3	0.0	-4.9	4	0.750	8.000	7.938	0.500	0.0
9		1	0.0	31.7									

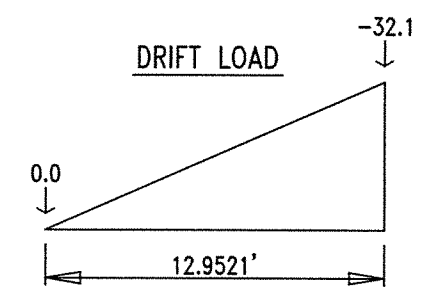
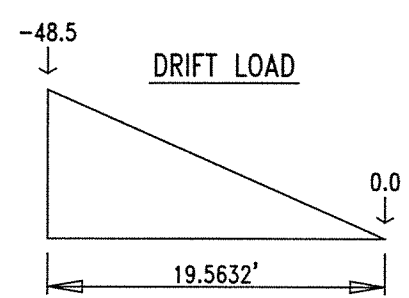
**ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES**

Frm Line	Col Line	Load Id	Column_Reactions(k)		Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in)		Thick	Grout (in)
			Hmax H	Vmax V						Width	Length		
9	B *	11	2.2	-3.9	12	-2.0	-3.9						
9		1	0.0	26.4	11	2.2	-3.9						
9	C *	11	1.7	-0.6	12	-1.5	-0.6						
9		1	0.0	10.0	13	0.0	-0.8						
9	E *	11	0.6	-5.0	12	-0.5	-5.0						
9		1	0.0	21.5	11	0.6	-5.0						
1	F *	14	2.5	-3.6	12	-2.2	-3.6						
1		1	0.0	20.1	14	2.5	-3.6						
1	C *	14	2.3	-2.9	12	-2.1	-2.9						
1		1	0.0	16.4	14	2.3	-2.9						
1	B *	14	2.2	-3.6	12	-2.0	-3.6						
1		1	0.0	20.2	14	2.2	-3.6						

\*See Rigid Frame Interior Column Reactions

**ANCHOR BOLT SUMMARY**

Qty	Locate	Dia (in)	Type	Proj (in)
○ 20	Endwall	3/4"	GR36	2.00
○ 20	Frame	3/4"	GR36	2.00
⊗ 56	Frame	1 1/4"	GR36	2.50



**R & M STEEL COMPANY**

P.O. Box 580  
Caldwell, Idaho 83606  
208-454-1800 Fax 208-454-1801

SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY: MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF

RIGID FRAME:

BASIC COLUMN REACTIONS (k )

Frame Line	Column Line	---Dead---		---Collateral---		---Live---		---Snow---		---Snow_Drift---		---Wind_Left1---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
9	A	0.3	1.7	0.6	2.2	1.4	5.5	2.4	9.5	0.2	3.9	-3.7	-6.3
9	G	-0.3	2.0	-0.6	3.0	-1.4	7.5	-2.4	13.1	-0.2	0.1	-1.5	-6.2
9	B	0.0	2.5	0.0	4.2	0.0	10.5	0.0	18.2	0.0	9.8	0.0	-7.1
9	C	0.0	1.2	0.0	1.7	0.0	4.3	0.0	7.5	0.0	7.1	0.0	-4.2
9	E	0.0	3.2	0.0	5.2	0.0	13.1	0.0	22.7	0.0	0.6	0.0	-11.3

Frame Line	Column Line	---Wind_Right1---		---Wind_Left2---		---Wind_Right2---		---Wind_Long1---		---Wind_Long2---		---Seismic_Left---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
9	A	2.3	-1.1	-3.3	-3.7	2.7	1.2	-0.7	-6.5	-0.6	-5.1	-7.0	-5.5
9	G	2.3	-4.6	-0.3	-3.5	3.1	-1.9	-0.8	-6.6	-1.4	-4.1	-2.5	1.9
9	B	0.0	-7.9	0.0	-4.1	0.0	-4.6	0.0	-8.5	0.0	-4.8	0.0	6.8
9	C	0.0	-2.1	0.0	-2.3	0.0	-0.3	0.0	-4.1	0.0	-2.8	0.0	-0.4
9	E	0.0	-6.4	0.0	-7.0	0.0	-2.0	0.0	-10.7	0.0	-6.7	0.0	-2.8

Frame Line	Column Line	Seismic_Right		---Seismic_Long		---MIN_SNOW---		F1PAT_SL_1-		F1PAT_SL_2-		F1PAT_SL_3-	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
9	A	7.0	5.5	0.0	-7.9	0.9	3.3	0.1	2.4	0.6	0.4	0.1	2.2
9	G	2.5	-1.9	0.0	0.0	-0.9	4.6	-0.1	0.1	-0.6	3.6	-0.1	0.1
9	B	0.0	-6.8	0.0	0.0	0.0	6.4	0.0	2.9	0.0	-0.4	0.0	5.5
9	C	0.0	0.4	0.0	0.0	0.0	2.6	0.0	-0.4	0.0	-1.9	0.0	2.7
9	E	0.0	2.8	0.0	0.0	0.0	8.0	0.0	0.0	0.0	5.7	0.0	-0.7

Frame Line	Column Line	F1PAT_SL_4-		F1PAT_SL_5-	
		Horiz	Vert	Horiz	Vert
9	A	0.0	-0.2	0.6	0.4
9	G	0.0	0.0	-0.6	3.5
9	B	0.0	2.5	0.0	-0.5
9	C	0.0	4.4	0.0	-0.6
9	E	0.0	0.5	0.0	6.9

Frame Line	Column Line	---Dead---		---Collateral---		---Live---		---Snow---		---Snow_Drift---		---Wind_Left1---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
8*	A	5.4	7.0	7.1	8.3	17.7	20.7	30.7	35.9	3.7	5.6	-17.9	-18.2
8*	G	-5.4	7.4	-7.1	8.3	-17.7	20.7	-30.7	35.9	-3.7	2.4	11.7	-17.2

Frame Line	Column Line	---Wind_Right1---		---Wind_Left2---		---Wind_Right2---		---Wind_Long1---		---Wind_Long2---		---Seismic_Left---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
8*	A	-5.9	-10.6	-13.1	-10.9	-0.7	-3.2	-13.1	-19.0	-7.8	-12.6	-5.9	-1.6
8*	G	12.1	-11.8	6.9	-9.9	6.9	-4.5	13.5	-19.6	7.7	-13.0	-4.2	1.6

Frame Line	Column Line	Seismic_Right		---Seismic_Long		---MIN_SNOW---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert
8*	A	5.9	1.6	0.0	-7.9	19.5	22.8
8*	G	4.2	-1.6	0.0	-10.2	-19.5	22.8

Frame Line	Column Line	---Dead---		---Collateral---		---Live---		---Snow---		---Snow_Drift---		---Wind_Left1---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1	A	0.1	1.0	0.2	1.1	0.4	2.8	0.7	4.8	0.3	2.2	-2.0	-3.3
1	G	-0.1	1.1	-0.2	1.1	-0.4	2.8	-0.7	4.9	-0.3	2.2	-1.4	-2.0
1	B	0.0	1.7	0.0	2.4	0.0	5.9	0.0	10.2	0.0	4.6	0.0	-4.0
1	C	0.0	1.6	0.0	2.2	0.0	5.5	0.0	9.5	0.0	4.3	0.0	-4.9
1	F	0.0	1.7	0.0	2.3	0.0	5.8	0.0	10.0	0.0	4.5	0.0	-5.4

Frame Line	Column Line	---Wind_Right1---		---Wind_Left2---		---Wind_Right2---		---Wind_Long1---		---Wind_Long2---		---Seismic_Left---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1	A	2.0	-0.4	-2.6	-2.1	1.5	0.6	0.8	-2.4	0.7	-1.6	-5.1	-3.9
1	G	1.4	-2.2	-0.8	-0.8	1.8	-1.1	-0.5	-2.7	-0.8	-1.8	-2.8	2.7
1	B	0.0	-4.5	0.0	-2.0	0.0	-2.4	0.0	-5.1	0.0	-3.1	0.0	4.7
1	C	0.0	-2.9	0.0	-2.8	0.0	-0.8	0.0	-4.8	0.0	-3.1	0.0	-0.4
1	F	0.0	-2.3	0.0	-3.6	0.0	-0.5	0.0	-4.4	0.0	-2.7	0.0	-3.2

Frame Line	Column Line	Seismic_Right		---MIN_SNOW---		F3PAT_SL_1-		F3PAT_SL_2-		F3PAT_SL_3-		F3PAT_SL_4-	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1	A	5.1	3.9	0.5	3.0	0.2	2.5	0.2	0.2	0.2	2.2	-0.1	-0.2
1	G	2.8	-2.7	-0.4	3.1	-0.2	0.2	-0.2	2.5	-0.2	0.2	0.1	-0.3
1	B	0.0	-4.7	0.0	6.5	0.0	2.9	0.0	-0.1	0.0	5.6	0.0	2.4
1	C	0.0	0.4	0.0	6.0	0.0	-0.4	0.0	-0.3	0.0	2.4	0.0	5.5
1	F	0.0	3.2	0.0	6.4	0.0	-0.1	0.0	2.7	0.0	-0.5	0.0	2.4

Frame Line	Column Line	F3PAT_SL_5-	
		Horiz	Vert
1	A	0.2	0.2
1	G	-0.2	2.2
1	B	0.0	-0.5
1	C	0.0	2.4
1	F	0.0	5.5

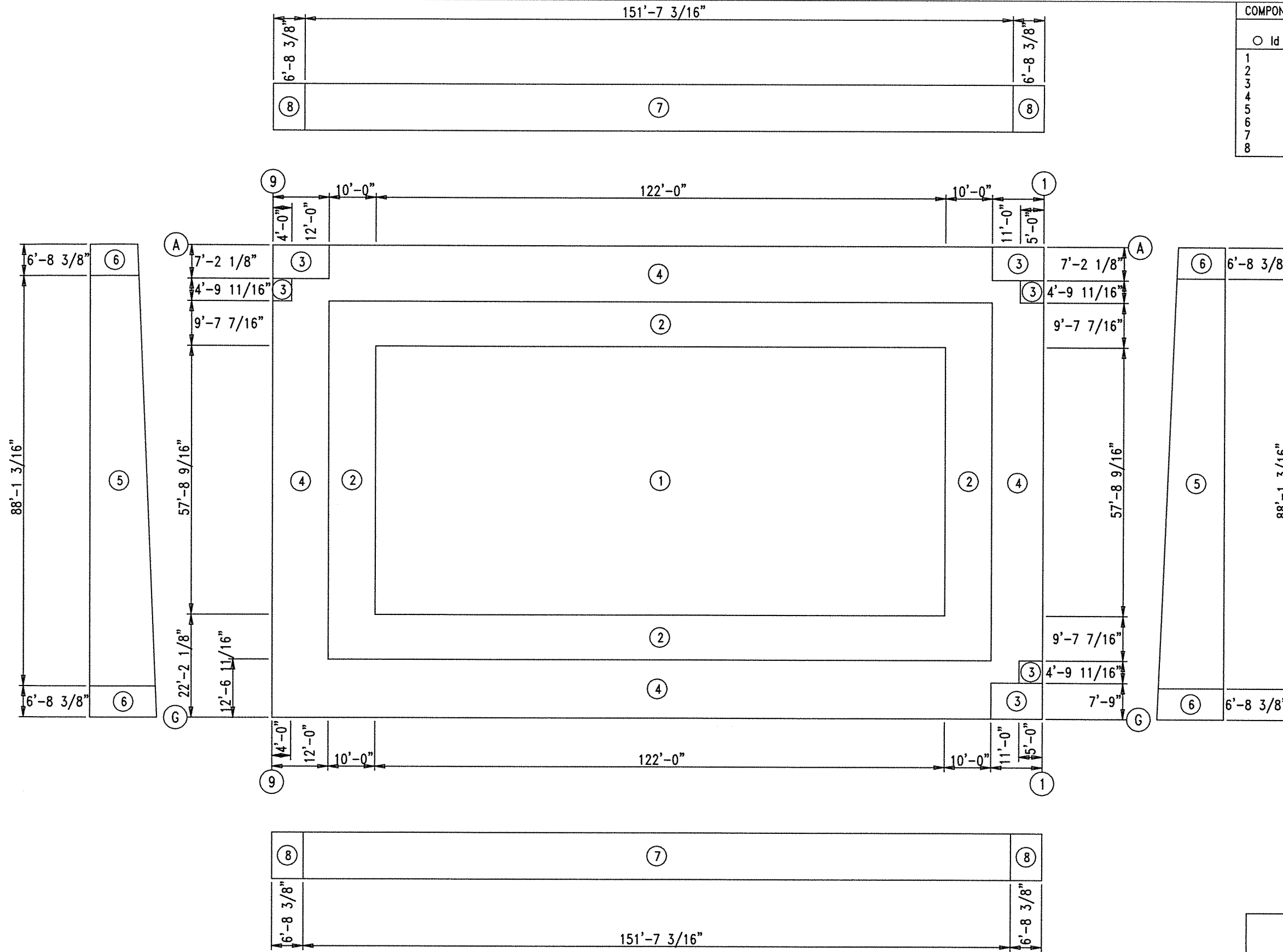
8\* Frame lines: 8 7 6 5 4 3 2




R & M STEEL COMPANY  
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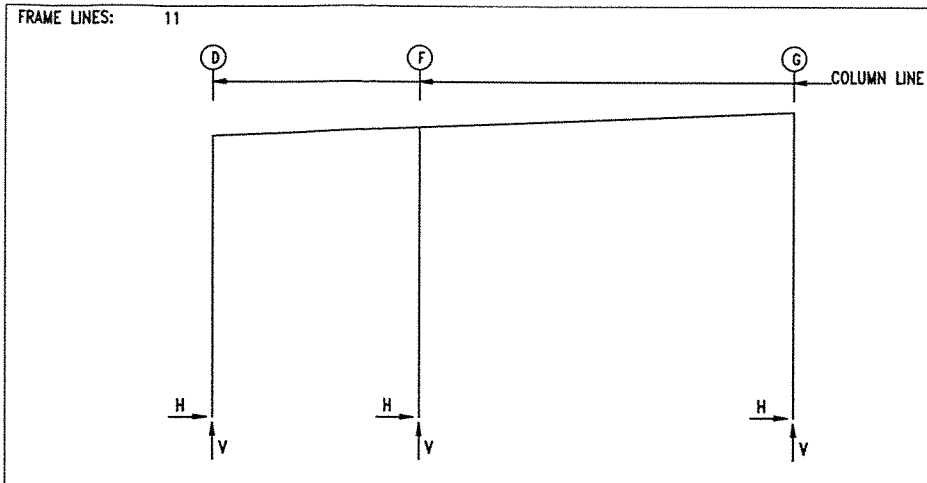
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF

COMPONENTS AND CLADDING			(Unfactored)	
○ Id	Member		Panel	
	Pressure	Suction	Pressure	Suction
1	16.00	-18.26	16.00	-21.22
2	16.00	-26.48	16.00	-36.92
3	16.00	-39.26	16.00	-66.42
4	16.00	-35.24	16.00	-48.81
5	17.16	-18.93	21.22	-28.29
6	17.16	-20.26	21.22	-28.29
7	17.20	-18.90	21.20	-28.30
8	17.20	-20.22	21.20	-28.30



PANEL ZONE LAYOUT  
(Wind Pressures, Unfactored (psf))

 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		REVISION
		SCALE: 5/26/23 DATE:
JOB LOCATION POCATELLO, ID		DRAWN BY MDC
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWING NUMBER OF
PORTNEUF VALLEY TECH/CAREER		



ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Wind Press	Wind Suct	-MIN_SNOW--	E1PAT_SL_1--	E1PAT_SL_2--
		Horz	Horz	Horz	Vert	Vert
11	F	-3.7	4.1	0.0	6.2	0.0
					1.4	3.4

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

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Base_Plate(in) Width	Length	Thick	Grout (in)
11	F	10	2.5	-3.0	11	-2.2	-3.2					
		1	0.0	13.3								

\*See Rigid Frame Interior Column Reactions

NOTES FOR REACTIONS

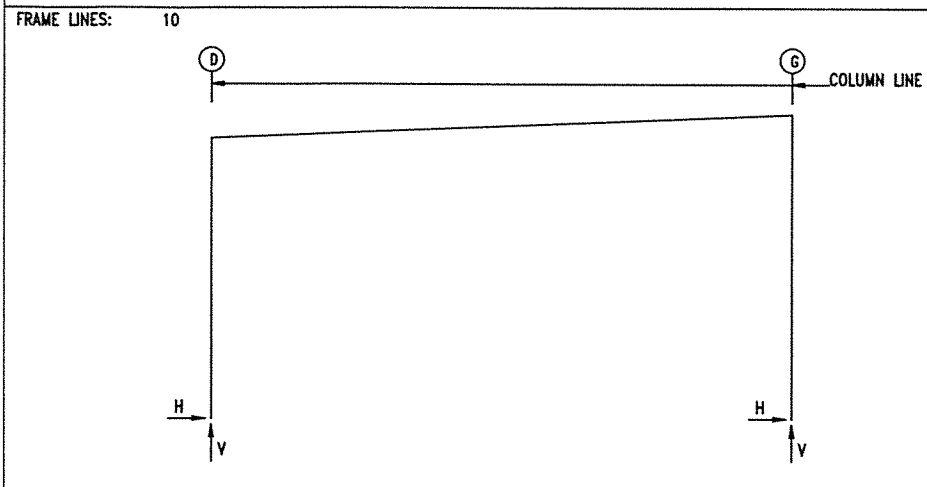
- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:
 

Width (ft)	=	39.7
Length (ft)	=	40.0
Eave Height (ft)	=	19.3/ 21.0
Roof Slope (rise/12)	=	0.5
Dead Load (psf)	=	2.8
Collateral Load (psf)	=	8.0
Live Load (psf)	=	20.0
Ground Snow Load (psf) (Pg)	=	45.0
Roof Snow Load (psf) (Pf)	=	34.7
Wind Speed (mph)	=	111.0
Wind Code	=	IBC 18
Exposure	=	C
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.25
Seismic Zone	=	D
Seismic Coeff (Fa*Ss)	=	0.67

5. Loading conditions are:

1	Dead+Collateral+Snow+Slide_Snow
2	Dead+Collateral+0.75Snow+0.45Wind_Long1R+0.75Slide_Snow
3	Dead+Collateral+0.75Snow+0.45Wind_Long2R+0.75Slide_Snow
4	0.6Dead+0.6Wind_Long1L
5	0.6Dead+0.6Wind_Long2L
6	1.06Dead+1.06Collateral+0.7Seismic_LongL
7	1.06Dead+1.06Collateral+0.7Seismic_LongR
8	0.54Dead+0.7Seismic_LongL
9	0.54Dead+0.7Seismic_LongR
10	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
11	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L

Pf = 0.7	Ce	Ct	Pg
Ce = 1.0			
Ct = 1.0			
I = 1.1			
Pg = 45.0	PSF		
Pf = 34.65	PSF		



RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead	Collateral	Live	Snow	Wind_Left1	Wind_Right1
		Horz	Vert	Horz	Vert	Horz	Vert
11	D	0.1	0.8	0.1	0.5	0.3	1.3
11	D	-0.1	1.0	-0.1	1.1	-0.3	2.7
11	F	0.0	1.3	0.0	1.8	0.0	4.6
11	D	-2.7	-2.3	1.7	2.0	-3.6	-7.7
11	G	-0.8	-0.9	1.8	-0.8	-2.7	-7.4
11	F	0.0	-1.3	0.0	-2.8	0.0	1.2
11	D	-6.9	-9.6	0.3	1.4	0.0	1.4
11	G	-3.2	-6.5	-0.3	3.0	0.0	0.0
11	F	0.0	7.0	0.0	5.0	0.0	1.2
11	D	-6.9	-9.6	0.3	1.4	0.0	1.4
11	G	-3.2	-6.5	-0.3	3.0	0.0	0.0
11	F	0.0	7.0	0.0	5.0	0.0	1.2

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

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Base_Plate(in) Width	Length	Thick	Grout (in)	
11	D	7	5.2	8.2	8	-4.8	-6.3	4	0.750	6.000	8.813	0.500	0.0
11	G	9	2.1	5.0	6	-2.4	-2.3	4	0.750	6.000	8.500	0.500	0.0
11	F	9	0.0	-4.3	9	0.0	-4.3	4	0.750	8.000	5.750	0.500	0.0
		1	0.0	11.0									

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
4	Endwall	3/4"	GR36	2.00
16	Frame	3/4"	GR36	2.00

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

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Base_Plate(in) Width	Length	Thick	Grout (in)	
11	D	7	5.2	8.2	8	-4.8	-6.3	4	0.750	6.000	8.813	0.500	0.0
11	G	9	2.1	5.0	6	-2.4	-2.3	4	0.750	6.000	8.500	0.500	0.0
11	F	9	0.0	-4.3	9	0.0	-4.3	4	0.750	8.000	5.750	0.500	0.0
		1	0.0	11.0									

BUILDING BRACING REACTIONS

Wall Loc	Col Line	Wind	Seismic	Panel_Shear (lb/ft)	Note				
		Horz	Vert	Wind	Seis				
L_EW	11				(h)				
F_SW	G	11,10	6.4	6.3	9.3	9.1			
R_EW	9	Bracing Not Used					0	0	
B_SW	D	Torsional Bracing Used							

(h) Rigid frame at endwall

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

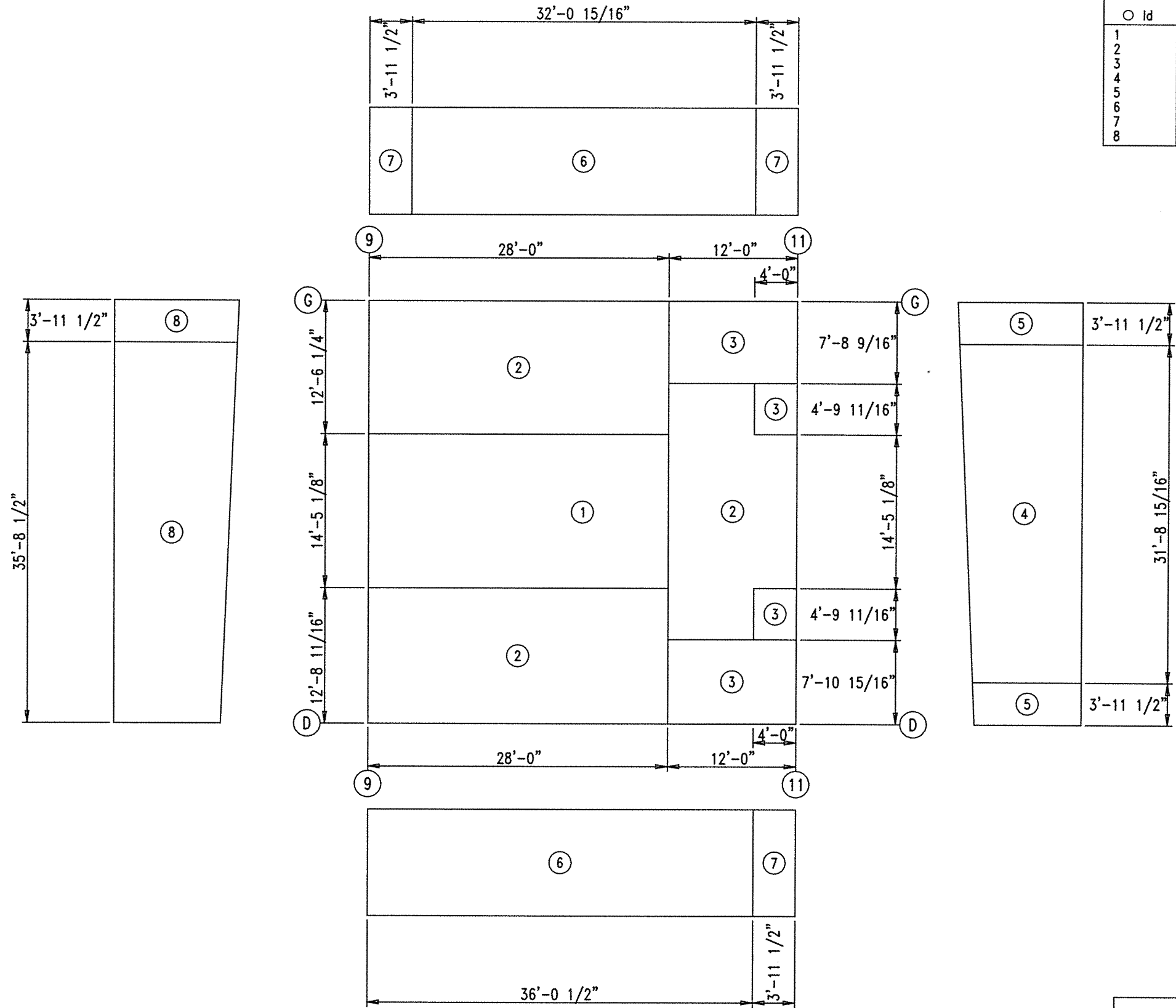
Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Base_Plate(in) Width	Length	Thick	Grout (in)	
10	D	3	6.5	17.6	8	-3.6	-2.3	4	0.750	6.000	8.750	0.500	0.0
		1	5.4	22.8	4	-1.5	-5.6						
10	G	9	3.0	4.0	2	-5.9	19.0	4	0.750	6.000	8.750	0.500	0.0
		1	-5.4	22.8	5	0.8	-7.5						

**R & M STEEL COMPANY**  
P.O. Box 580  
Caldwell, Idaho 83606  
208-454-1800 Fax 208-454-1801


SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY: MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF



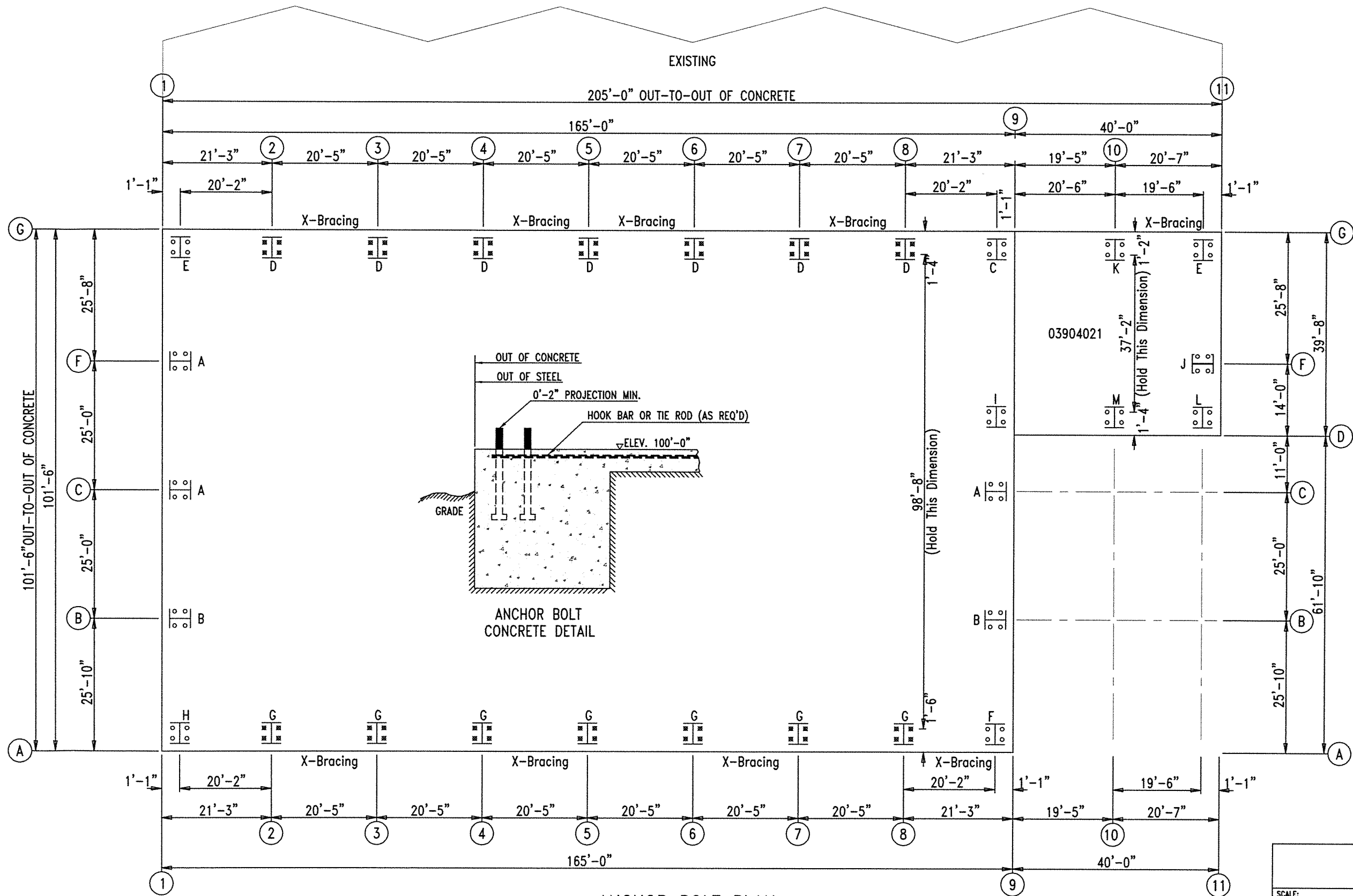
COMPONENTS AND CLADDING (Unfactored)				
○ Id	Member		Panel	
	Pressure	Suction	Pressure	Suction
1	16.00	-27.27	16.00	-38.02
2	16.00	-36.30	16.00	-50.26
3	16.00	-40.44	16.00	-68.39
4	17.67	-19.49	21.85	-29.13
5	17.67	-20.85	21.85	-29.13
6	17.70	-19.50	21.90	-29.10
7	17.70	-20.87	21.90	-29.10
8	0.00	0.00	0.00	0.00



PANEL ZONE LAYOUT  
(Wind Pressures, Unfactored (psf))


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SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF

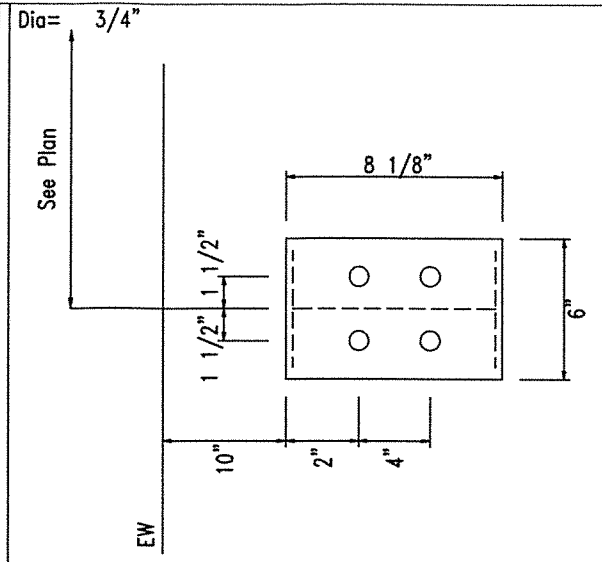
○ Dia= 3/4"  
 ⊗ Dia=1 1/4"



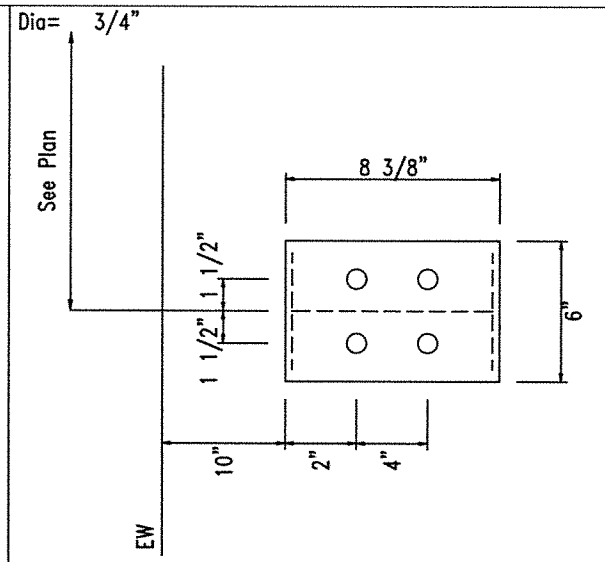
**ANCHOR BOLT PLAN**  
 NOTE: All Base Plates @ 100'-0" (U.N.)

**NOT FOR CONSTRUCTION**

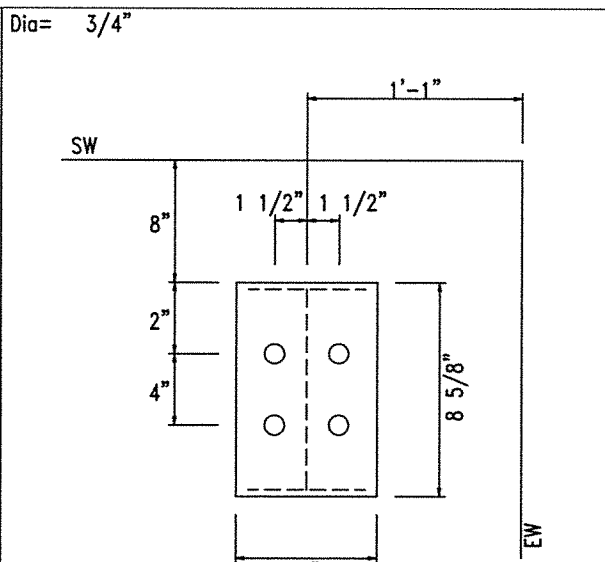
 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF



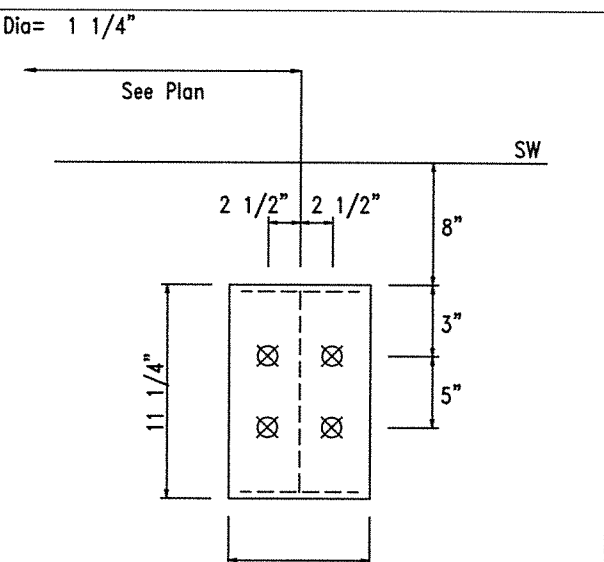
DETAIL A



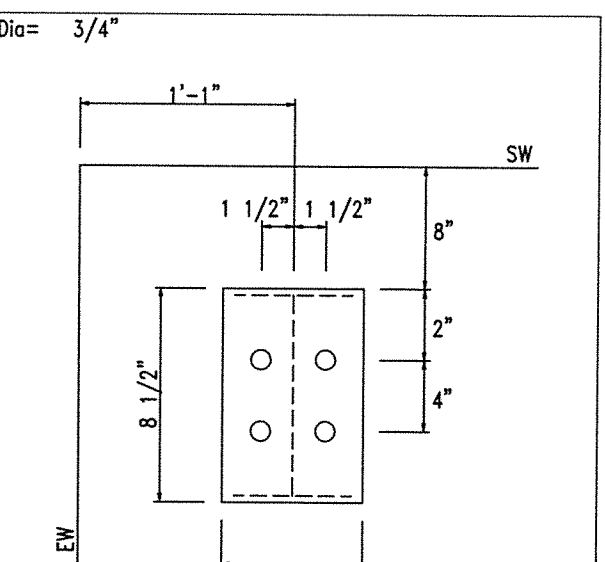
DETAIL B



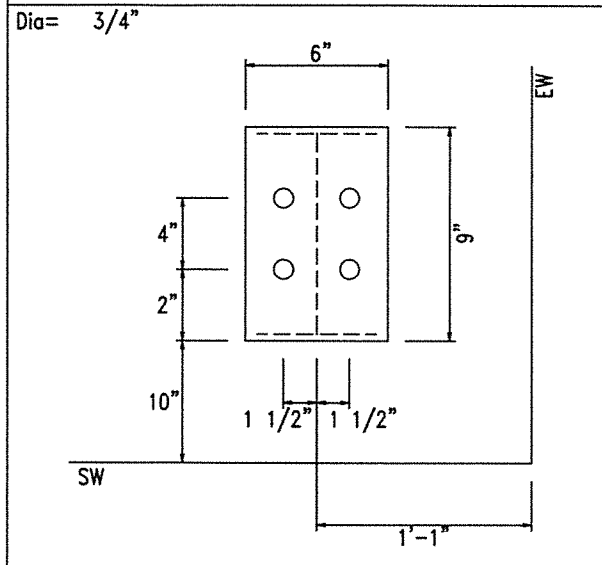
DETAIL C



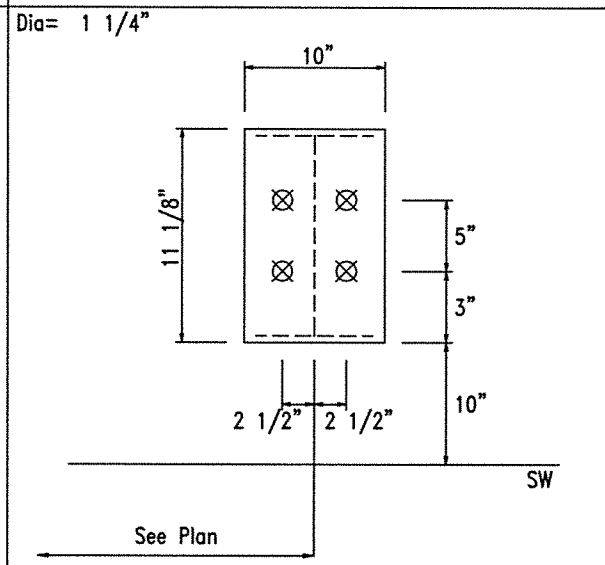
DETAIL D



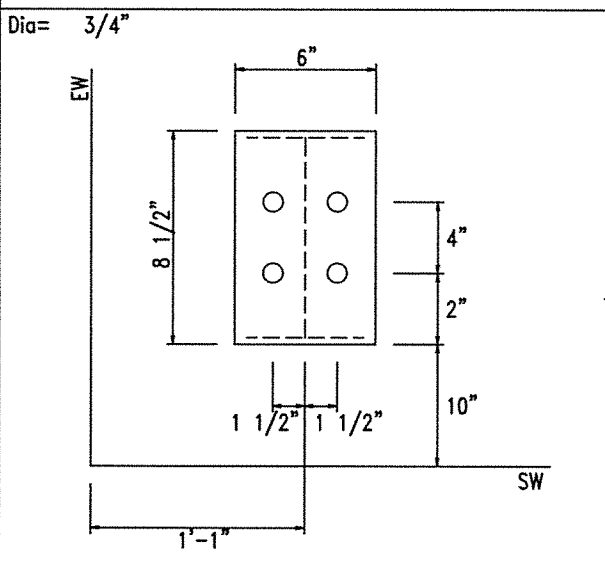
DETAIL E



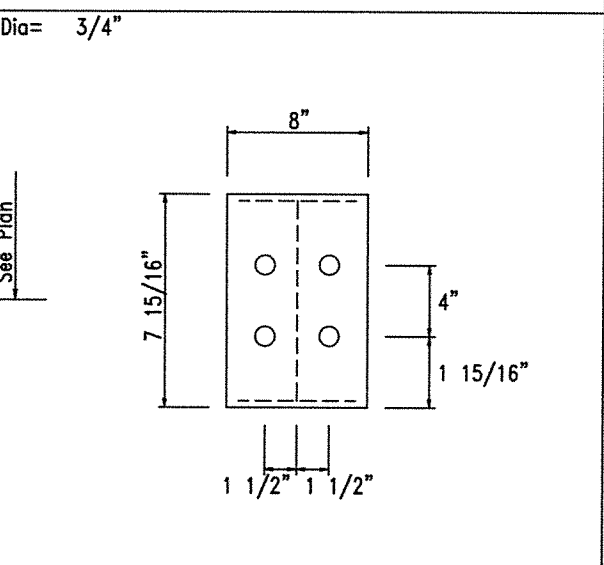
DETAIL F



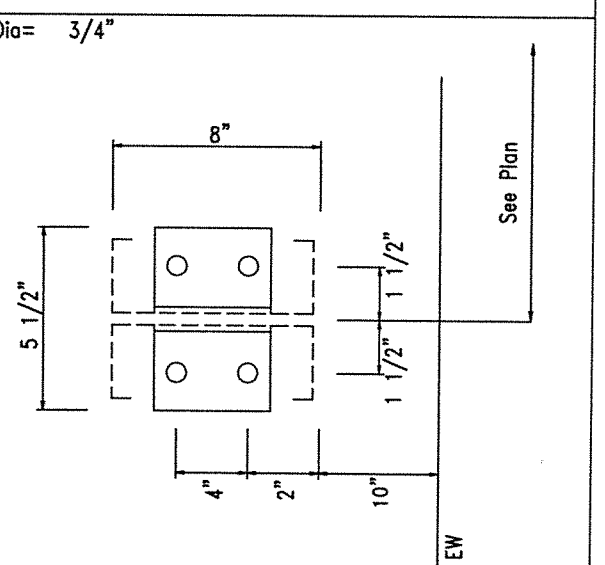
DETAIL G



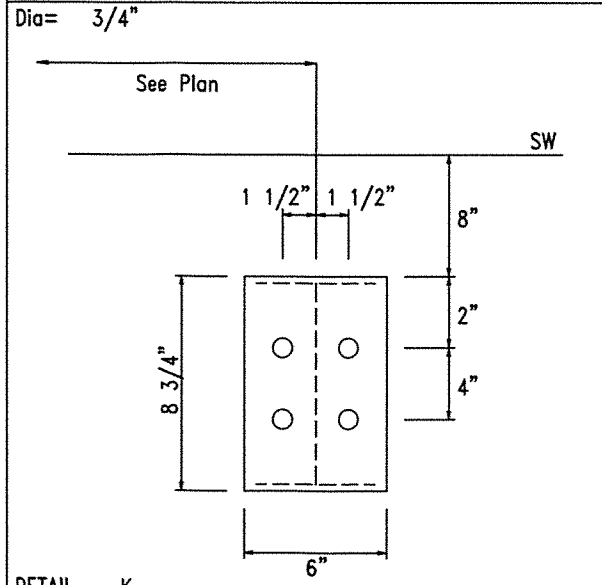
DETAIL H



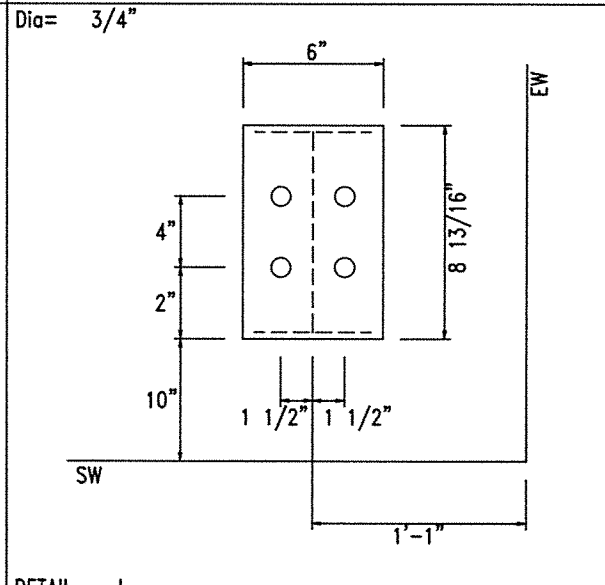
DETAIL I



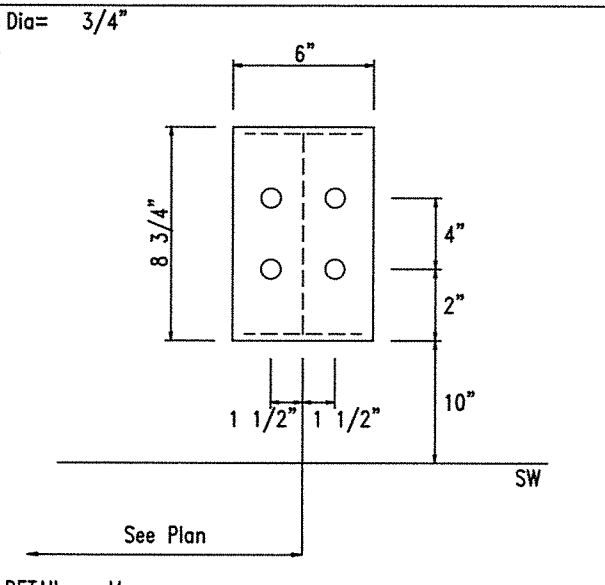
DETAIL J




DETAIL K



DETAIL L



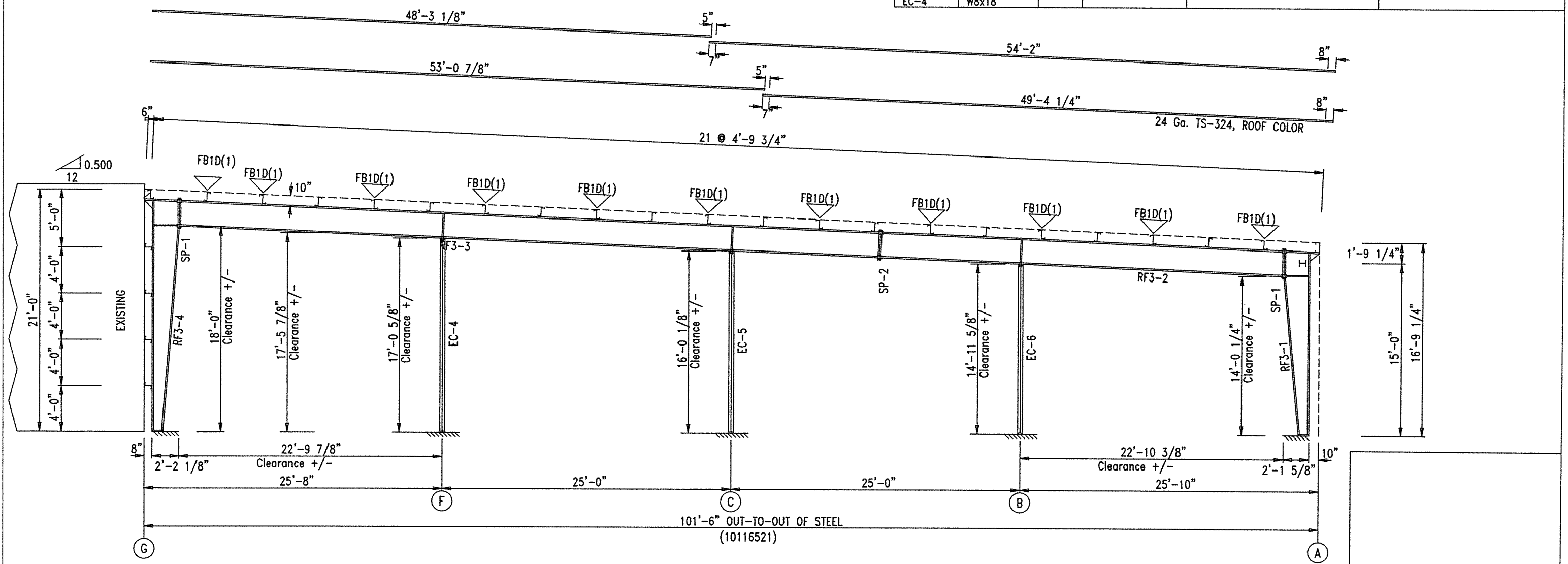
DETAIL M

 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		REVISION
SCALE:	JOB LOCATION	DRAWN BY
DATE: 5/26/23	POCATELLO, ID	MDC
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWING NUMBER
PORTNEUF VALLEY TECH/CAREER		OF

SPLICE PLATE & BOLT TABLE										CAP PLATE BOLTS				
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length	Mark	Qty	Type	Dia	Length
	Top	Bot												
SP-1	4	4	0	A325	0.750	2.00	6"	1/2"	2'-7 1/4"	EC-6	4	A325	0.750	2.00
SP-2	4	4	0	A325	0.750	2.00	6"	1/2"	2'-7 1/4"	EC-5	4	A325	0.750	2.00
										EC-4	4	A325	0.750	2.00


Mark	Web Depth		Web Plate		Outside Flange			Inside Flange		
	Start/End	Thick	Length	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF3-1	8.0/25.1	0.150	192.0			6 x 1/4" x 190.9			6 x 1/4" x 165.2	
RF3-2	24.0/24.0	0.150	180.0			6 x 1/4" x 35.4			6 x 1/4" x 420.0	
	24.0/24.0	0.150	240.0			6 x 1/4" x 419.0				
RF3-3	24.0/24.0	0.150	12.0			6 x 1/4" x 480.0			6 x 1/4" x 480.0	
	24.0/24.0	0.150	235.8			6 x 1/4" x 247.8			6 x 1/4" x 246.8	
	24.0/24.0	0.150	240.0							
	24.0/24.0	0.150	240.0							
RF3-4	25.6/ 9.0	0.150	228.9			6 x 1/4" x 33.9			6 x 1/4" x 212.9	
	9.0/ 8.0	0.150	12.0			6 x 1/4" x 240.9				
EC-6	W8x21									
EC-5	W8x18									
EC-4	W8x18									

FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1)  
 D - L2x2x14



RIGID FRAME CROSS SECTION: FRAME LINE 1

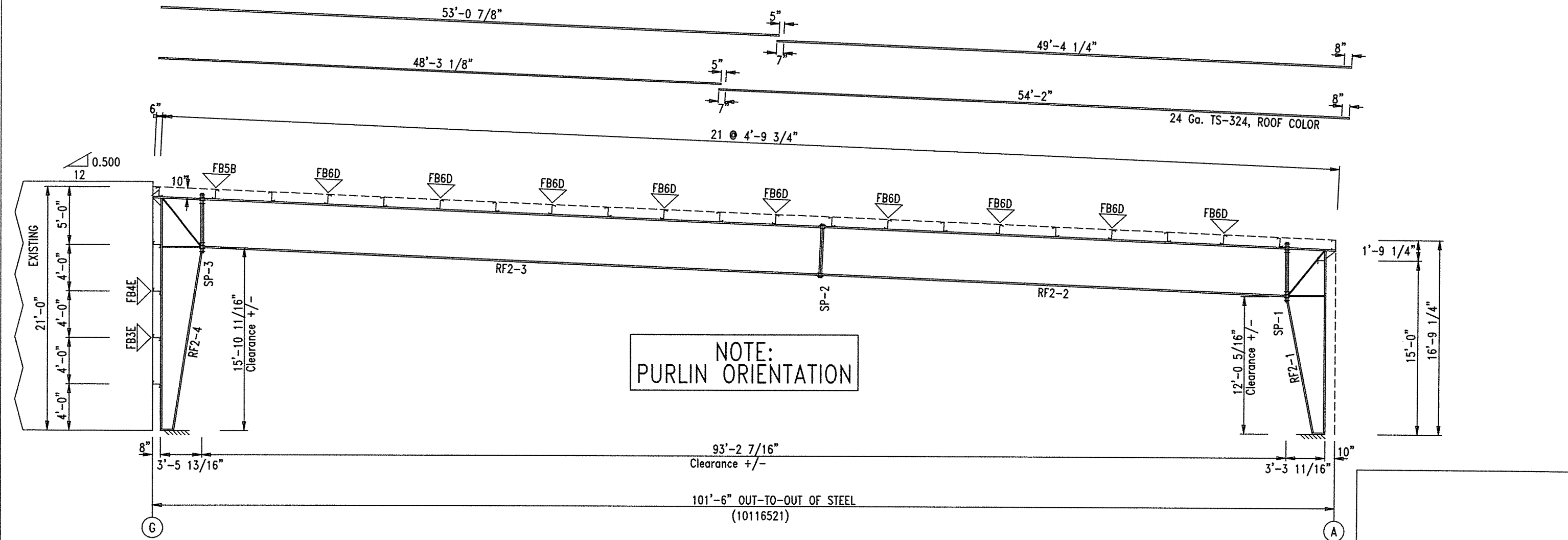
NOTE:  
 PURLIN ORIENTATION

 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		SCALE:	JOB LOCATION:	REVISION:
		DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST			DRAWN BY:	MDC
PORTNEUF VALLEY TECH/CAREER			DRAWING NUMBER:	OF


SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	8	8	0	A325	0.875	2.75	8"	3/4"	5'-1 9/16"
SP-2	4	4	0	A325	1.000	2.75	8"	3/4"	4'-7 9/16"
SP-3	8	8	0	A325	1.000	2.75	8"	3/4"	5'-1 3/4"

MEMBER TABLE								
Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start	End	Thick	Length	W x Thk x Length	W x Thk x Length		
RF2-1	10.0	38.6	0.250	192.3	8 x 3/8" x 190.7	8 x 3/4" x 140.3		
RF2-2	48.0	48.0	0.250	240.0	8 x 1/2" x 49.0	8 x 1/2" x 480.0		
RF2-3	48.0	48.0	0.250	158.4	8 x 1/2" x 480.0	8 x 5/8" x 480.0		
	48.0	48.0	0.250	240.0	8 x 1/2" x 158.4	8 x 5/8" x 156.4		
RF2-4	40.6	12.0	0.250	228.6	8 x 3/4" x 49.1	8 x 3/4" x 186.5		
	12.0	10.0	0.250	12.0	8 x 1/2" x 240.6			

FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1)  
 D - L2x2x14  
 B - L2x1/8  
 E - L2x2x12



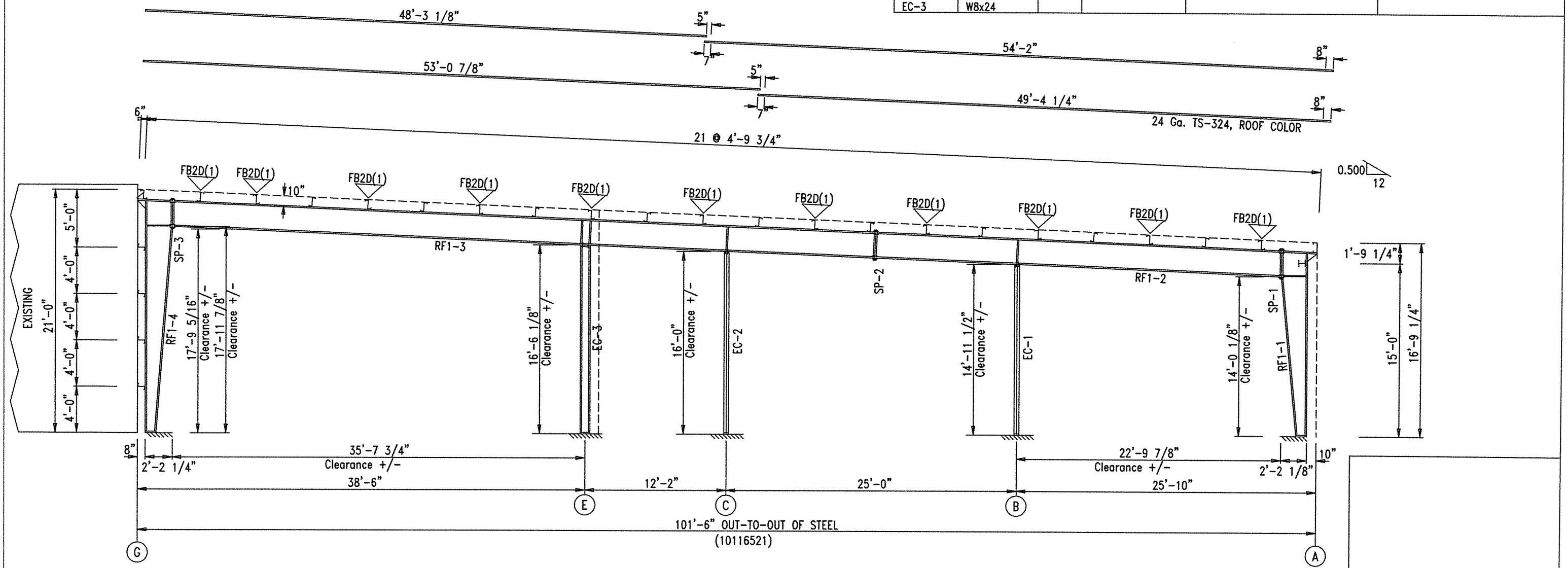
RIGID FRAME CROSS SECTION: FRAME LINE 2 3 4 5 6 7 8

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SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF

SPLICE PLATE & BOLT TABLE										CAP PLATE BOLTS				
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Width	Thick	Length	Mark	Qty	Type	Dia	Length
SP-1	4	4	0	A325	0.875	2.75	6"	3/4"	2'-7 7/16"	EC-1	4	A325	0.750	2.00
SP-2	4	4	0	A325	0.750	2.00	6"	1/2"	2'-7 7/16"	EC-2	4	A325	0.750	2.00
SP-3	4	4	0	A325	0.750	2.00	6"	1/2"	2'-7 7/16"	EC-3	4	A325	0.750	2.00


MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
	Start/End	Thick	Length	Length		
RF1-1	8.0/25.1	0.250	192.0		6 x 1/4" x 190.9	6 x 3/4" x 165.1
RF1-2	24.0/24.0	0.150	180.0		6 x 1/4" x 35.4	6 x 3/8" x 420.0
	24.0/24.0	0.150	240.0		6 x 1/2" x 419.0	
RF1-3	24.0/24.0	0.150	12.0		6 x 1/2" x 480.0	6 x 3/8" x 480.0
	24.0/24.0	0.150	235.3		6 x 1/2" x 247.3	6 x 3/8" x 246.3
RF1-4	24.0/24.0	0.150	240.0			
	24.0/24.0	0.150	240.0			
EC-1	25.6/ 9.0	0.150	228.9		6 x 1/4" x 33.9	6 x 3/8" x 212.8
EC-2	9.0/ 8.0	0.150	12.0		6 x 1/4" x 240.9	
EC-1	W8x21					
EC-2	W8x18					
EC-3	W8x24					

FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1)  
 D - L2x2x14



RIGID FRAME CROSS SECTION: FRAME LINE 9

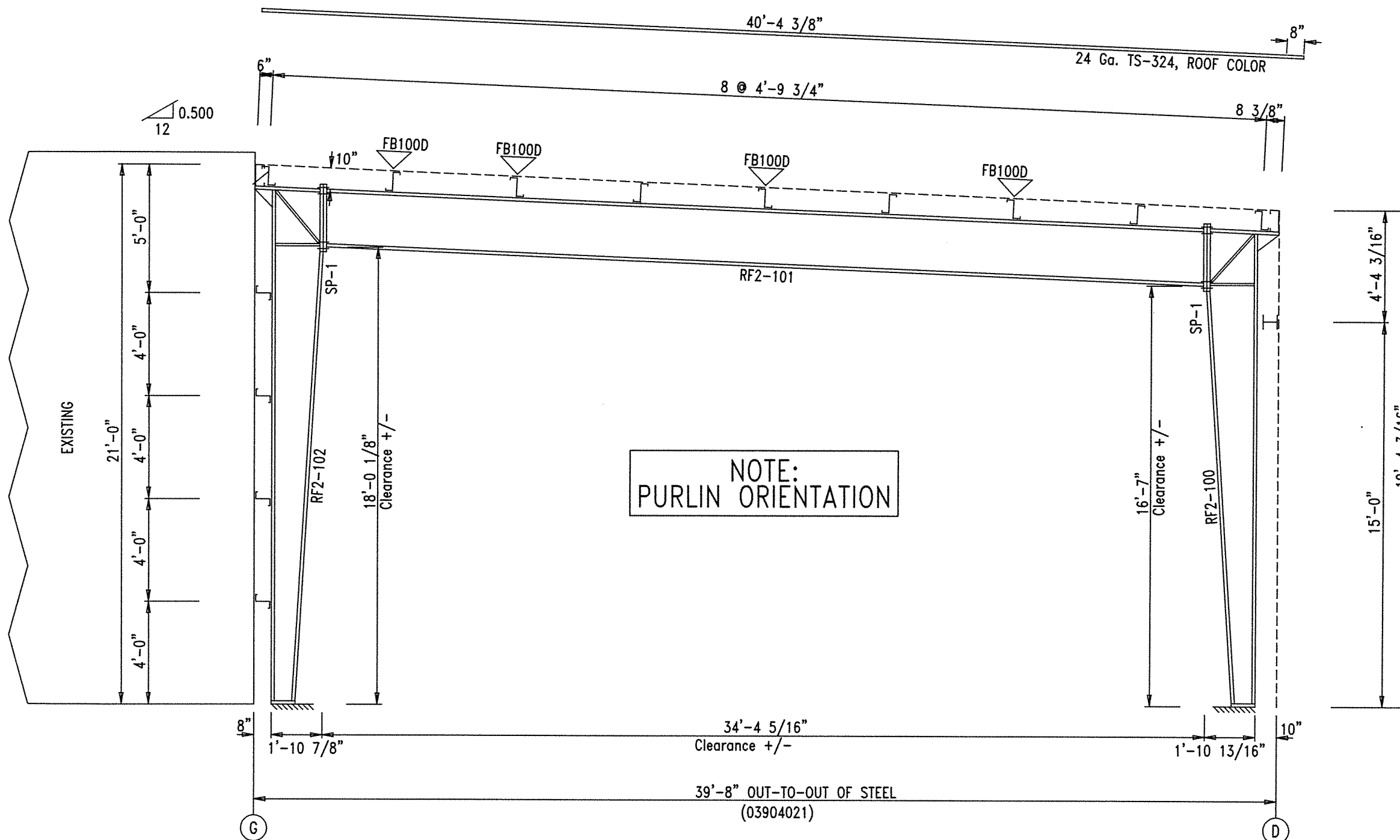
NOTE:  
PURLIN ORIENTATION

 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF


SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	0.750	2.00	6"	1/2"	2'-6 3/4"

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
	Start	End	Thick	Length		
RF2-100	8.0	22.1	0.150	222.8	6 x 1/4" x 221.8 6 x 1/4" x 32.3	6 x 1/2" x 195.8
RF2-101	24.0	24.0	0.150	172.7	6 x 1/4" x 411.6	6 x 1/4" x 411.6
RF2-102	22.2	8.8	0.150	228.9	6 x 1/4" x 30.4	6 x 1/2" x 213.0
	8.8	8.0	0.150	12.0	6 x 1/4" x 240.9	

FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1)  
 D - L2x2x14



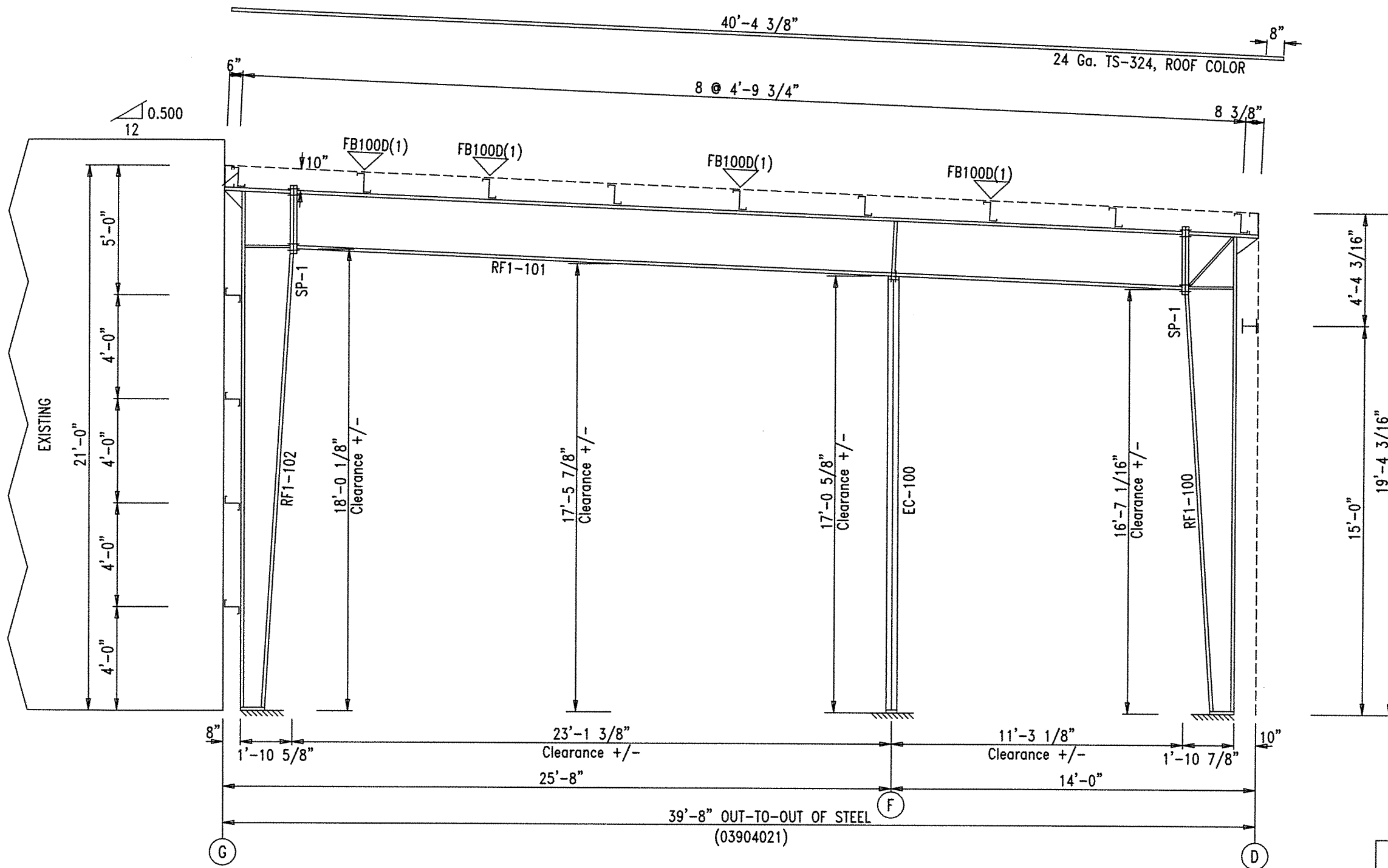
RIGID FRAME CROSS SECTION: FRAME LINE 10

 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF


SPLICE PLATE & BOLT TABLE										CAP PLATE BOLTS				
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Width	Thick	Length	Mark	Qty	Type	Dia	Length
SP-1	4	4	0	A325	0.750	2.00	6"	1/2"	2'-6 3/4"	EC-100	4	A325	0.750	2.00

Mark	Web Depth		Web Plate		Outside Flange			Inside Flange		
	Start	End	Thick	Length	W	Thk	Length	W	Thk	Length
RF1-100	8.0	22.1	0.150	222.8	6 x 5/16"		x 221.8	6 x 1/2"		x 195.9
RF1-101	24.0	24.0	0.150	172.6	6 x 1/4"		x 32.4	6 x 1/4"		x 411.6
RF1-102	24.0	24.0	0.150	240.0	6 x 1/4"		x 411.6	6 x 1/4"		x 411.6
EC-100	22.2	8.8	0.150	228.9	6 x 1/4"		x 30.4	6 x 1/4"		x 213.0
	8.8	8.0	0.150	12.0	6 x 1/4"		x 240.9			

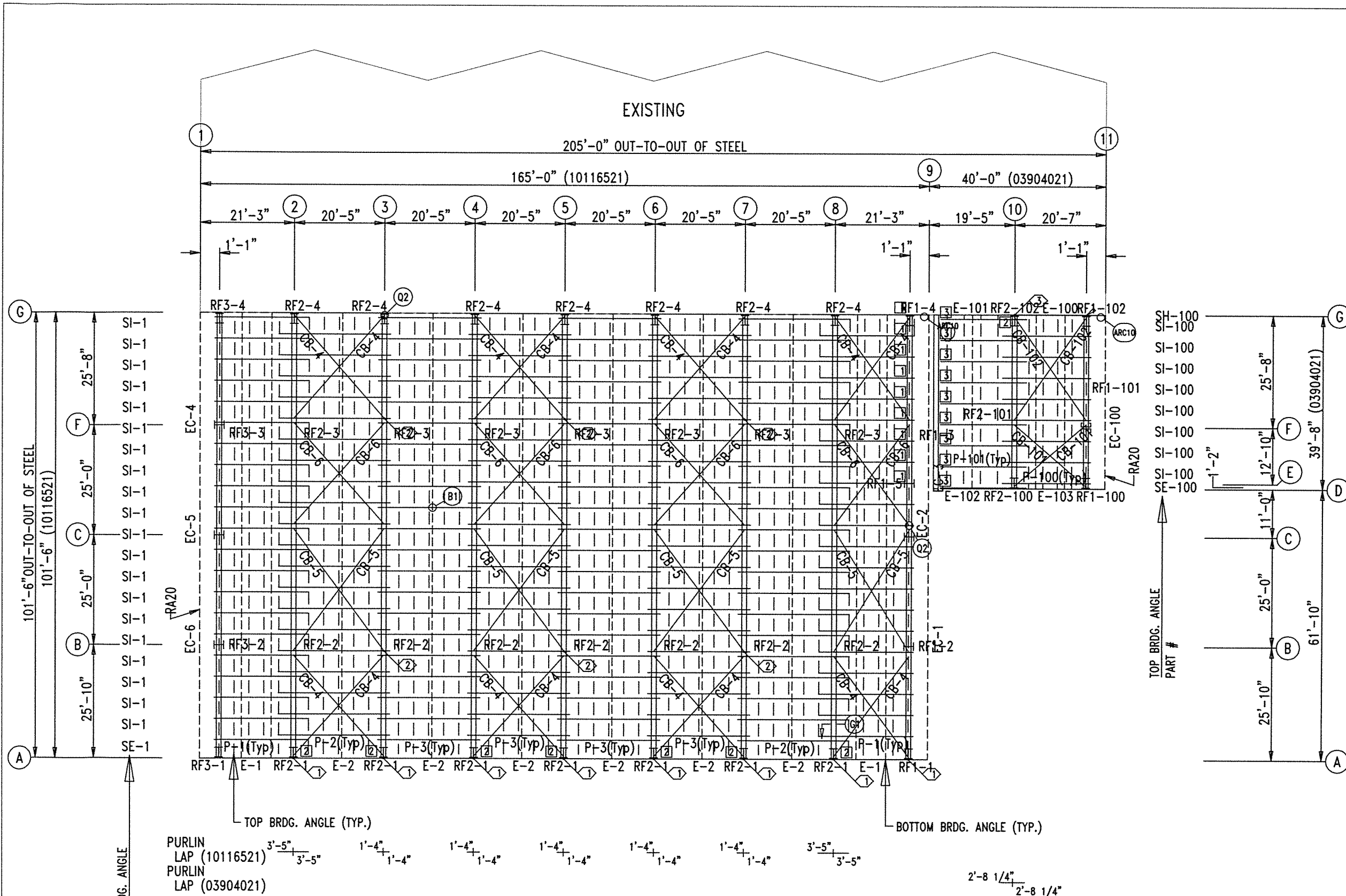
FLANGE BRACES: Both Sides(U.N.)  
 FBxxD(1)  
 D - L2x2x14



RIGID FRAME CROSS SECTION: FRAME LINE 11

 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF





SPECIAL BOLTS					
ROOF PLAN					
ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	GR_5	1/2"	1 1/2"	2
2	4	GR_5	1/2"	1"	0
3	4	GR_5	1/2"	1 1/2"	0

MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
10116521		
P-1	10x25Z12	23'-10"
P-2	10x25Z14	25'-2"
P-3	10x25Z14	23'-1"
E-1	101x5E14	21'-2 3/4"
E-2	101x5E14	20'-4 1/2"
CB-4	1/2EHS	30'-0"
CB-5	1/4EHS	34'-0"
CB-6	1/4EHS	30'-0"
SI-1	L 1x1	4'-9 5/8"
SE-1	L 1x1	4'-9 3/8"
03904021		
P-100	10x25Z14	22'-5 1/4"
P-101	10x25Z14	22'-3 1/2"
E-100	101x5E14	20'-6 3/4"
E-101	101x5E14	19'-4 3/4"
E-102	101x5E14	19'-4 3/4"
E-103	101x5E14	20'-6 3/4"
CB-101	3/8EHS	23'-0"
CB-102	3/8EHS	30'-0"
SI-100	L 1x1	4'-9 5/8"
SE-100	L 1x1	8 3/8"
SH-100	L 1x1	5 5/8"

CONNECTION PLATES	
ID	MARK/PART
1	11
2	EP4B4.5
3	1100

INSTALL ROOF FLANGE BRACE AS PER RIGID FRAME CROSS SECTION

**R & M STEEL COMPANY**  
 P.O. Box 580  
 Caldwell, Idaho 83606  
 208-454-1800 Fax 208-454-1801

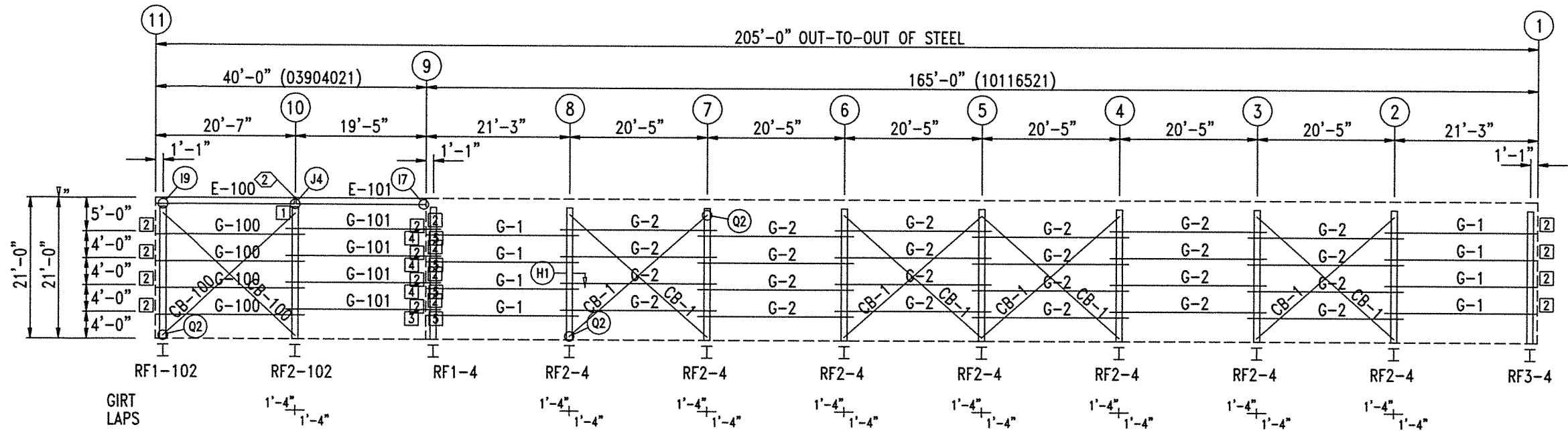
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF

ROOF FRAMING PLAN

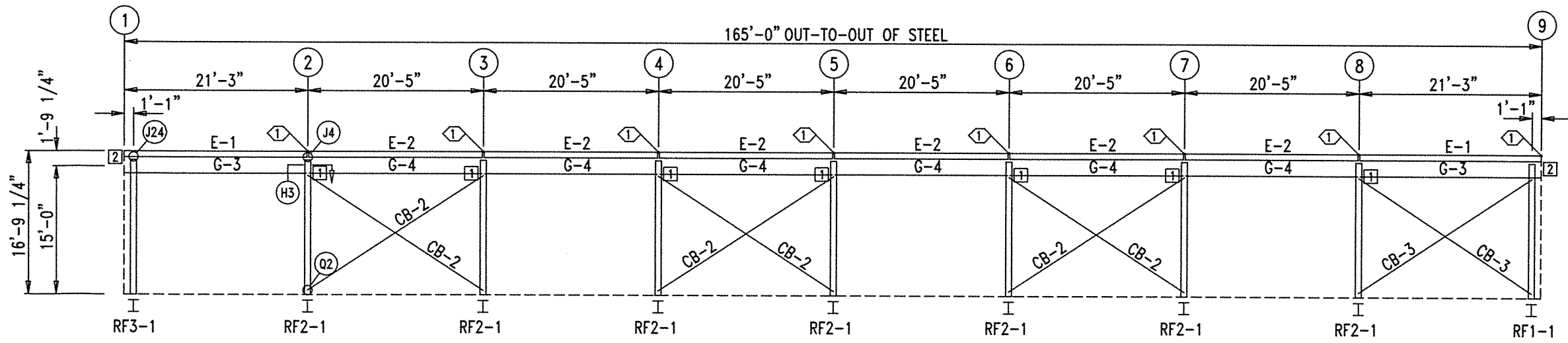
SPECIAL BOLTS					
○ ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	GR_5	1/2"	1 1/2"	2
2	4	GR_5	1/2"	1 1/2"	0

MEMBER TABLE FRAME LINE A & G		
MARK	PART	LENGTH
10116521		
E-1	101x5E14	21'-2 3/4"
E-2	101x5E14	20'-4 1/2"
G-1	8x25Z16	21'-9"
G-2	8x25Z16	23'-1"
G-3	W8x13	19'-6"
G-4	W8x13	19'-9"
CB-1	5/8EHS	27'-0"
CB-2	5/8EHS	25'-0"
CB-3	5/8EHS	24'-0"
03904021		
E-100	101x5E14	20'-6 3/4"
E-101	101x5E14	19'-4 3/4"
G-100	8x25Z16	21'-1"
G-101	8x25Z16	22'-0 1/4"
CB-100	5/8EHS	27'-0"

CONNECTION PLATES FRAME LINE A & G	
□ ID	MARK/PART
1	EP4B4.5
2	SA
3	d100
4	d101
5	r100




SIDEWALL FRAMING: FRAME LINE G



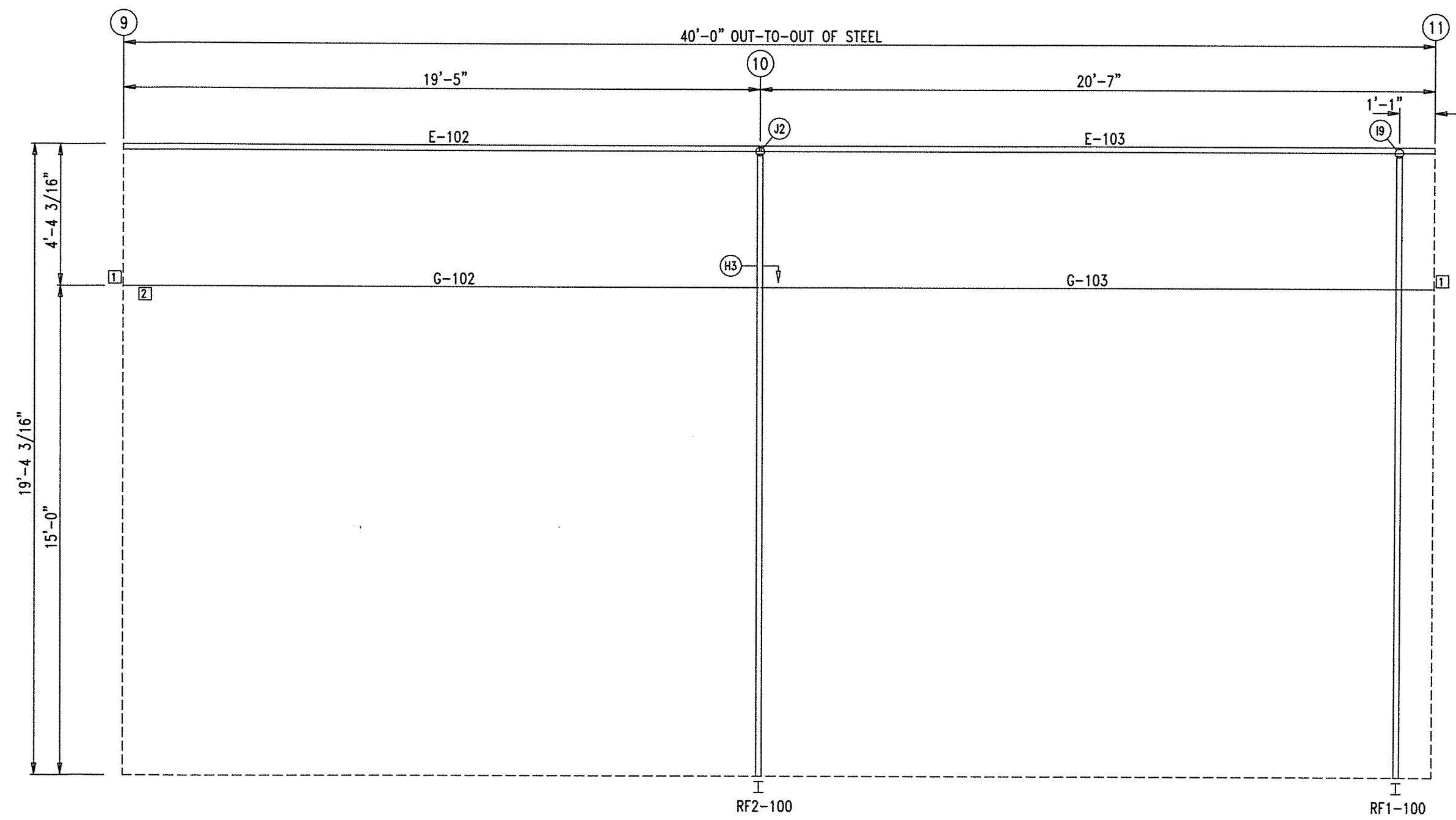
SIDEWALL FRAMING: FRAME LINE A

INSTALL SIDEWALL FLANGE BRACE  
AS PER RIGID FRAME CROSS SECTION

 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY
PORTNEUF VALLEY TECH/CAREER		MDC
DRAWING NUMBER		OF


MEMBER TABLE FRAME LINE D		
MARK	PART	LENGTH
E-102	101x5E14	19'-4 3/4"
E-103	101x5E14	20'-6 3/4"
G-102	W8x13	18'-8 3/4"
G-103	W8x13	20'-6 3/4"

CONNECTION PLATES FRAME LINE D	
ID	MARK/PART
1	SA
2	d101



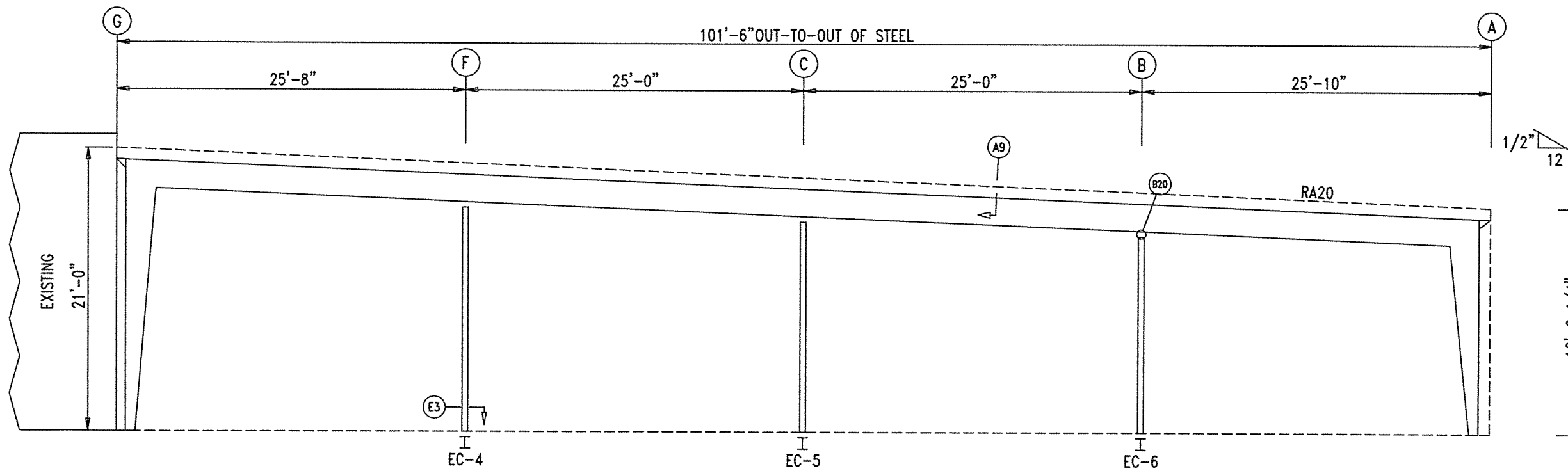
SIDEWALL FRAMING: FRAME LINE D

INSTALL SIDEWALL FLANGE BRACE  
AS PER RIGID FRAME CROSS SECTION

 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF

BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
EC-4/FRAME	4	GR_5	3/4"	1 1/4"
EC-5/FRAME	4	GR_5	3/4"	1 1/4"
EC-6/FRAME	4	GR_5	3/4"	1 1/4"

MEMBER TABLE FRAME LINE 1		
MARK	PART	LENGTH
EC-4	W8x18	17'-0 3/4"
EC-5	W8x18	16'-0 1/4"
EC-6	W8x21	14'-11 3/4"



ENDWALL FRAMING: FRAME LINE 1

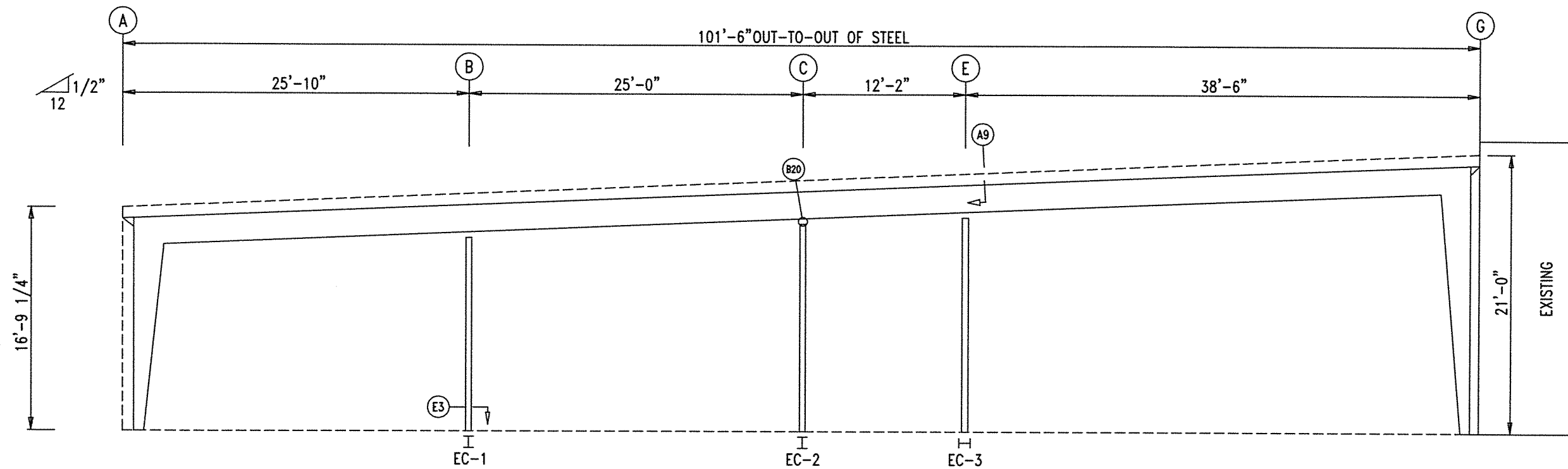


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SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF


BOLT TABLE FRAME LINE 9				
LOCATION	QUAN	TYPE	DIA	LENGTH
EC-1/FRAME	4	GR_5	3/4"	1 1/4"
EC-2/FRAME	4	GR_5	3/4"	1 1/4"
EC-3/FRAME	4	GR_5	3/4"	1 1/4"

MEMBER TABLE FRAME LINE 9		
MARK	PART	LENGTH
EC-1	W8x21	14'-11 5/8"
EC-2	W8x18	16'-0 1/8"
EC-3	W8x24	16'-6 1/4"



INSTALL SIDEWALL FLANGE BRACE  
AS PER RIGID FRAME CROSS SECTION

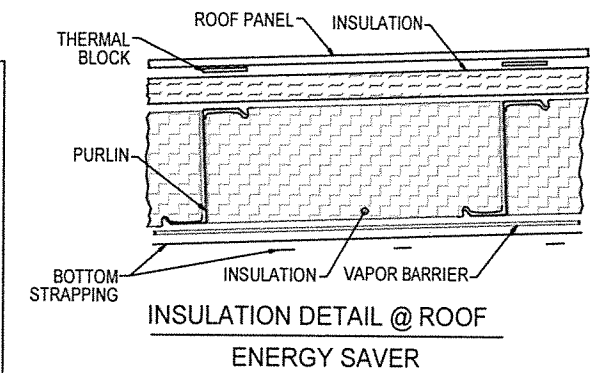
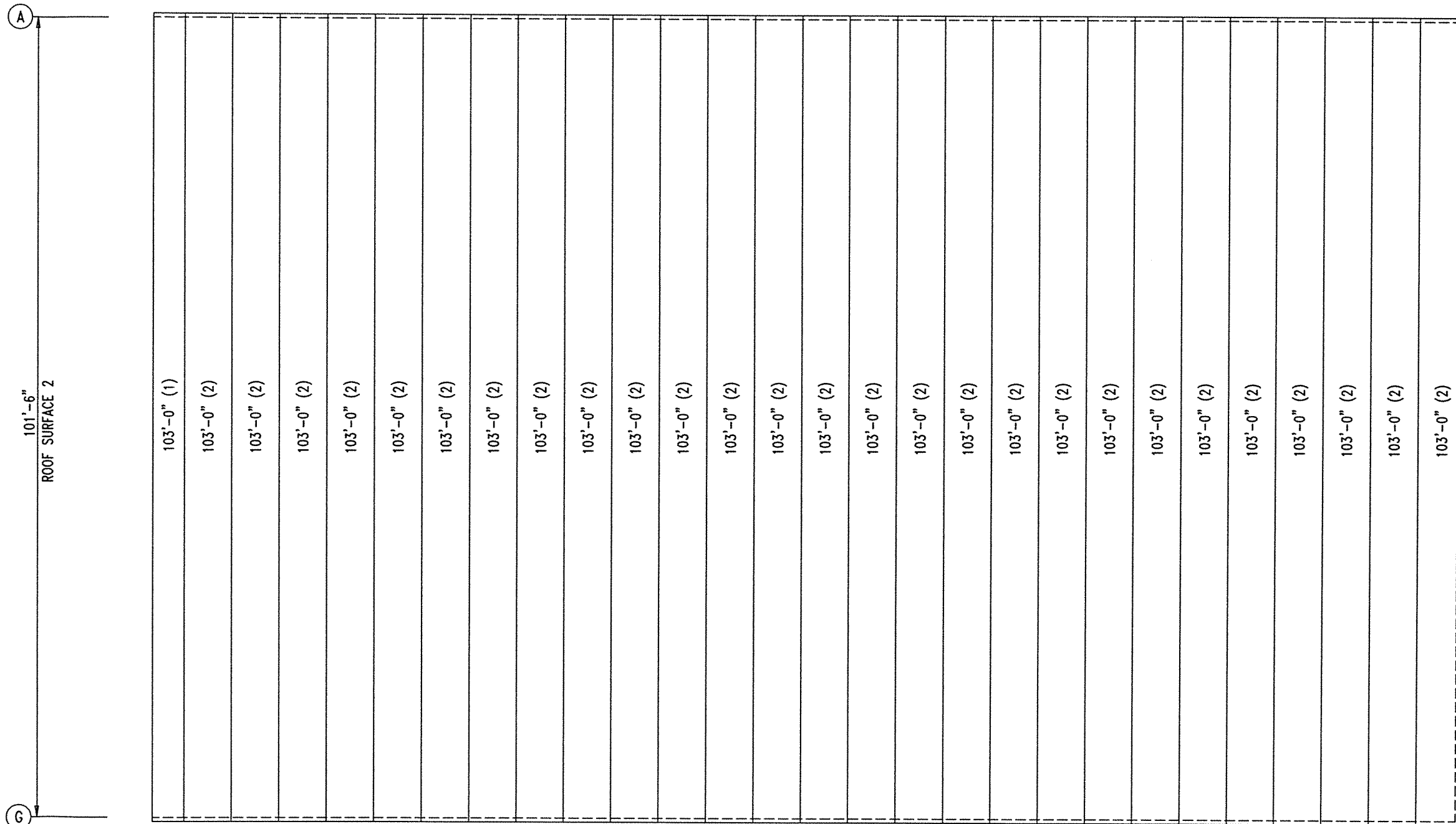
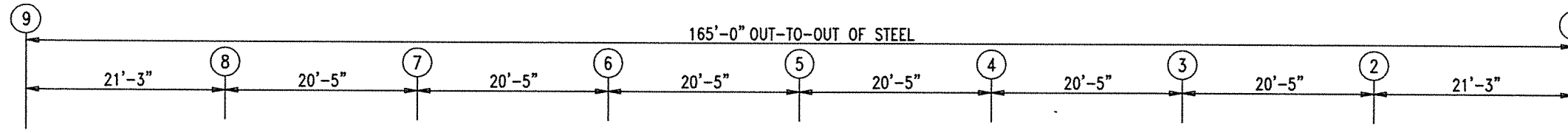
ENDWALL FRAMING: FRAME LINE 9

 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		REVISION
		SCALE: _____ DATE: 5/26/23
JOB LOCATION <b>POCATELLO, ID</b>		DRAWN BY <b>MDC</b>
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWING NUMBER OF
PORTNEUF VALLEY TECH/CAREER		



Roof Insulation : (R-38) Energy Saver w/ Thermal Block

NOTE:  
ROOF: REFERENCE ENERGY SAVER  
INSTALLATION MANUAL.



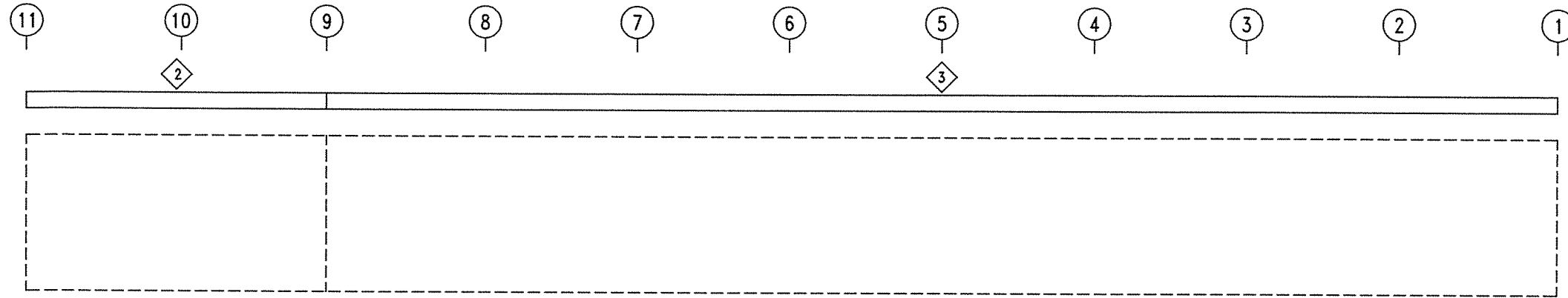
**ROOF INSULATION**  
INSULATION: (R-38) ENERGY SAVER



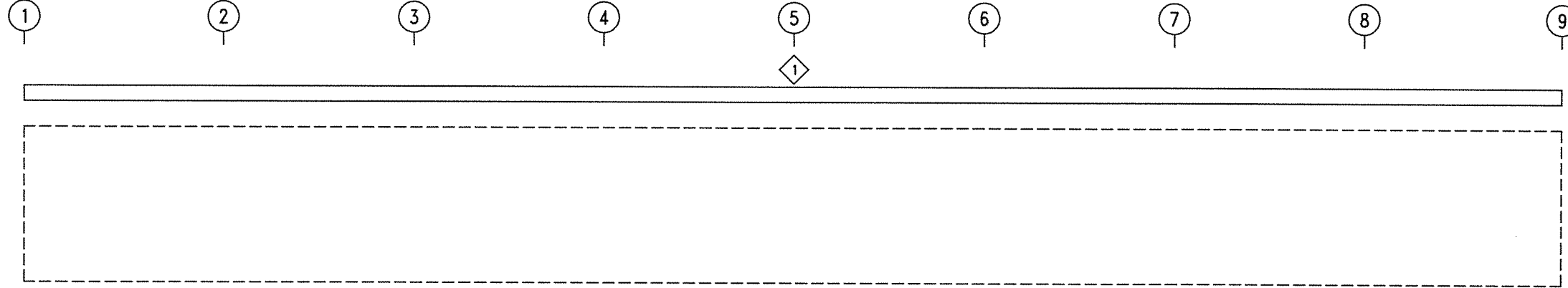
**R & M STEEL COMPANY**  
P.O. Box 580  
Caldwell, Idaho 83606  
208-454-1800 Fax 208-454-1801

SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF

TRIM TABLE		
FRAME LINE A & G		
◇ ID	MARK	LENGTH
1	S17-10	28'-6"
2	TSHS17	21'-6"
3	TSHS17	28'-6"



SIDEWALL SHEETING & TRIM: FRAME LINE G



SIDEWALL SHEETING & TRIM: FRAME LINE A

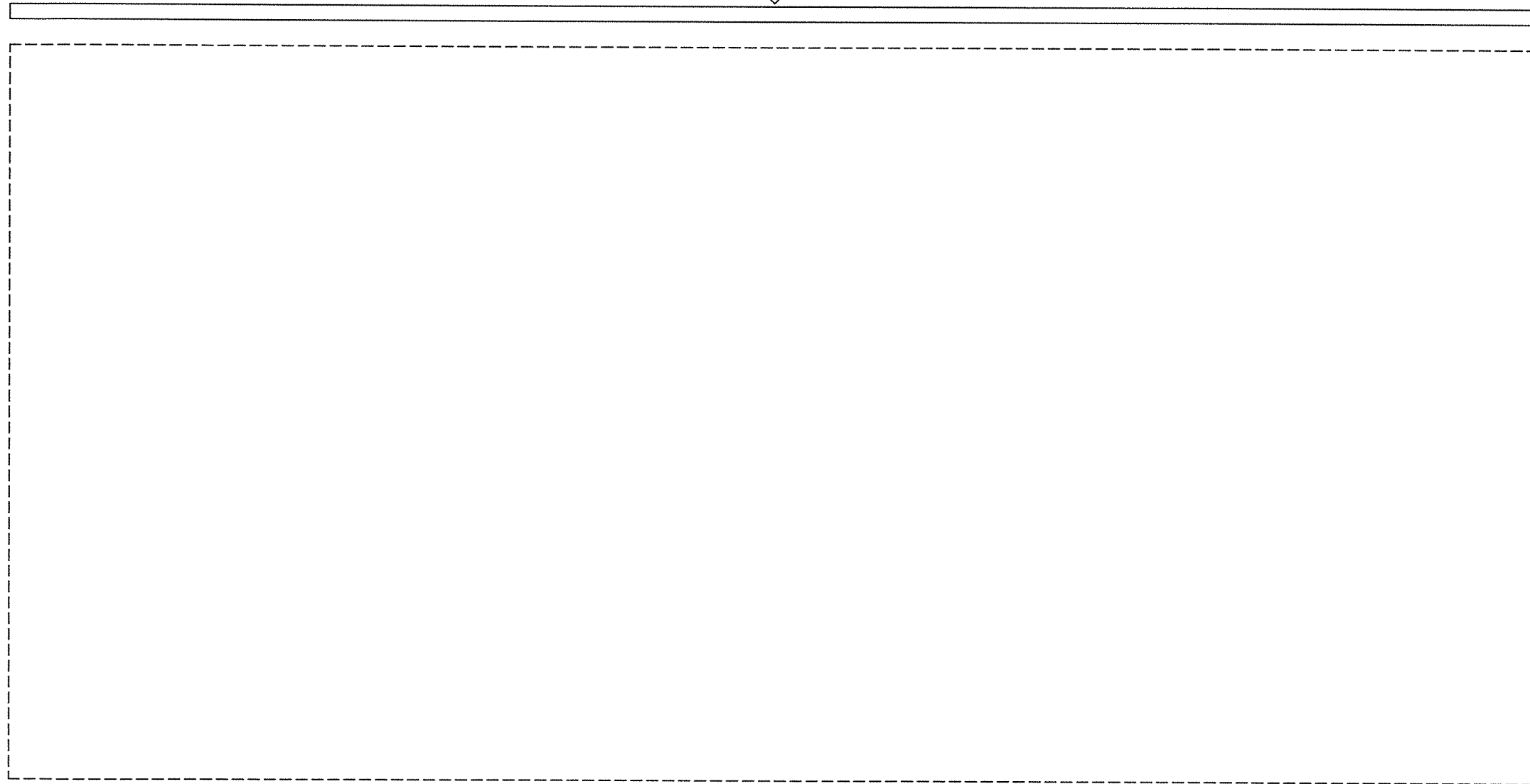


TRIM TABLE		
FRAME LINE D		
◇ ID	MARK	LENGTH
1	S17-10	21'-6"

9

10

11



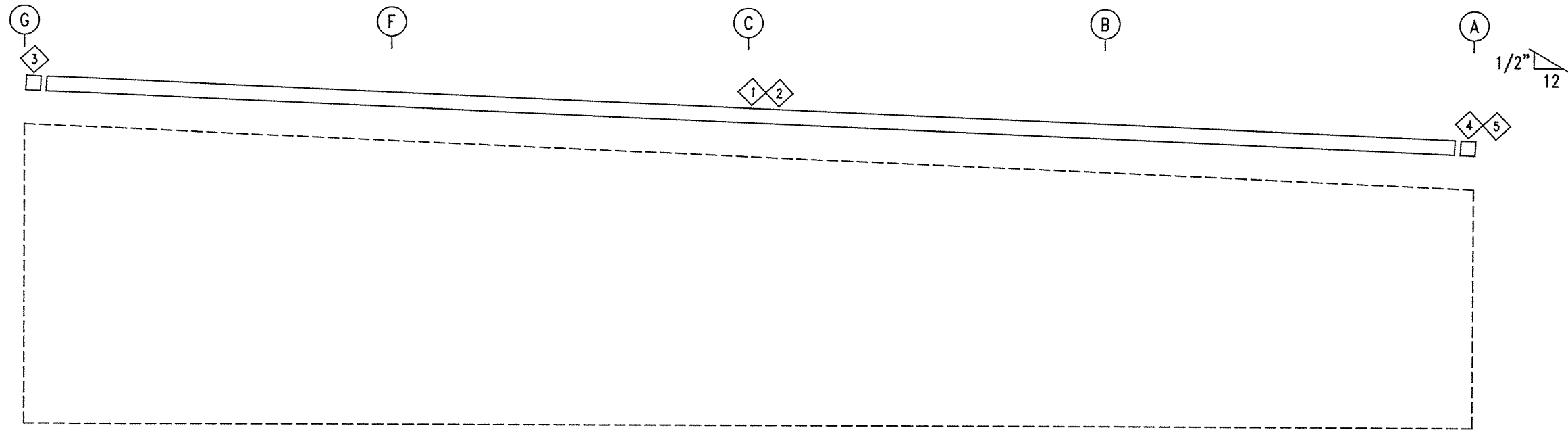
SIDEWALL SHEETING & TRIM: FRAME LINE D



R & M STEEL COMPANY  
P.O. Box 580  
Caldwell, Idaho 83606  
208-454-1800 Fax 208-454-1801

SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF

TRIM TABLE		
FRAME LINE 1		
◇ ID	MARK	LENGTH
1	TSSL1	26'-0"
2	4x3L	26'-0"
3	TS1884	26'-0"
4	TS1888	26'-0"
5	TZ310	26'-0"



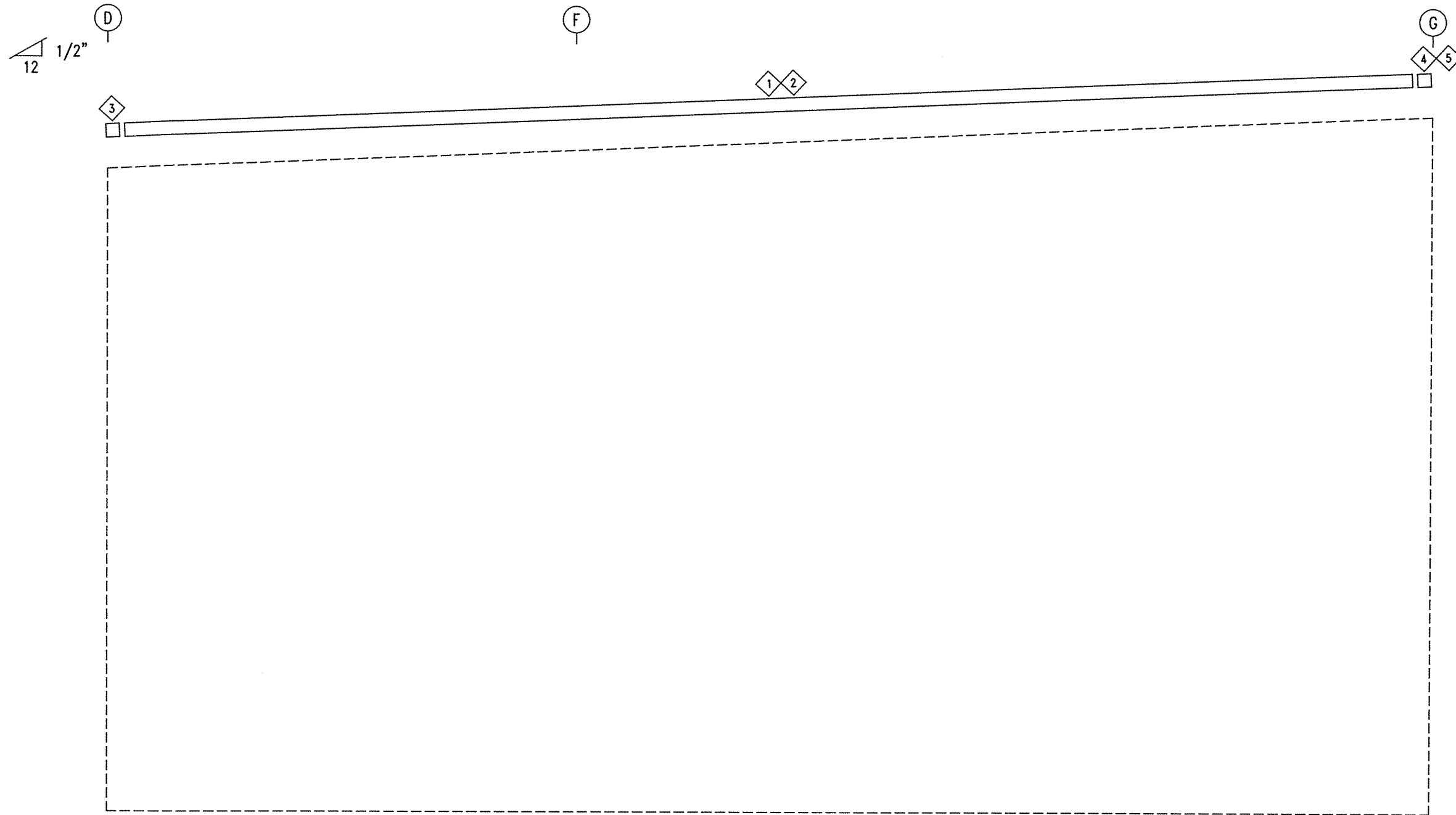
ENDWALL SHEETING & TRIM: FRAME LINE 1



R & M STEEL COMPANY  
P.O. Box 580  
Caldwell, Idaho 83606  
208-454-1800 Fax 208-454-1801

SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF

TRIM TABLE		
FRAME LINE 11		
◇ ID	MARK	LENGTH
1	TSSL1	20'-6"
2	4x3L	20'-6"
3	TS1884	20'-6"
4	TS1888	20'-6"
5	TZ310	20'-6"

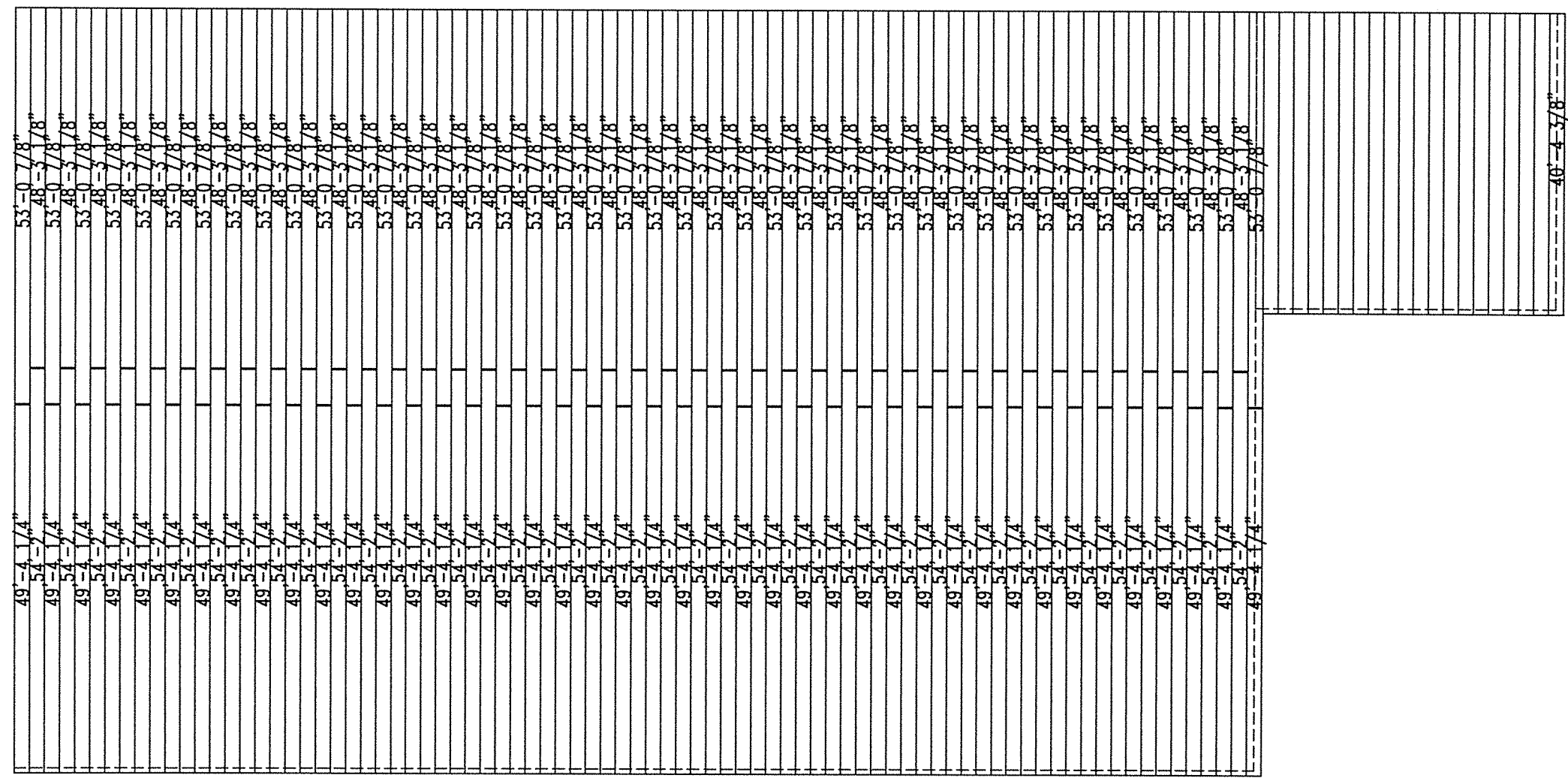
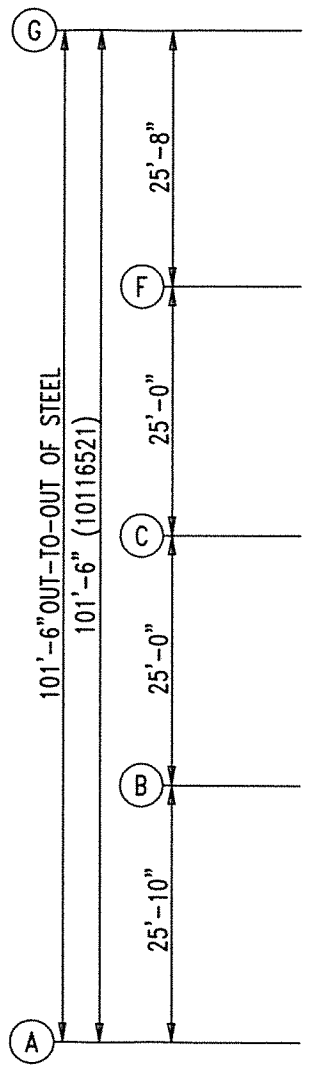
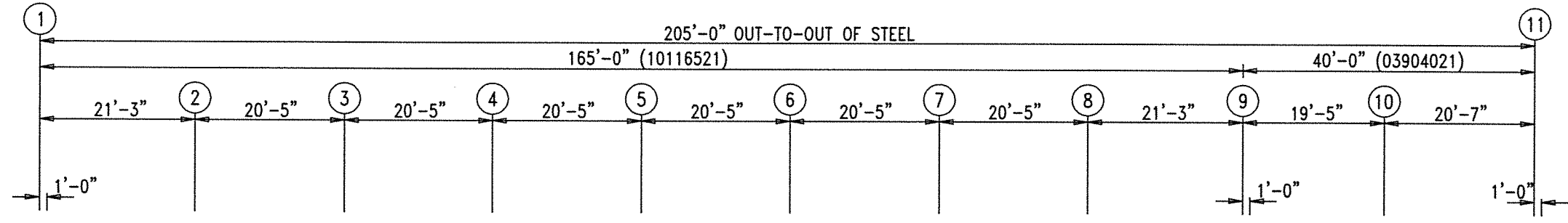


ENDWALL SHEETING & TRIM: FRAME LINE 11




R & M STEEL COMPANY  
P.O. Box 580  
Caldwell, Idaho 83606  
208-454-1800 Fax 208-454-1801

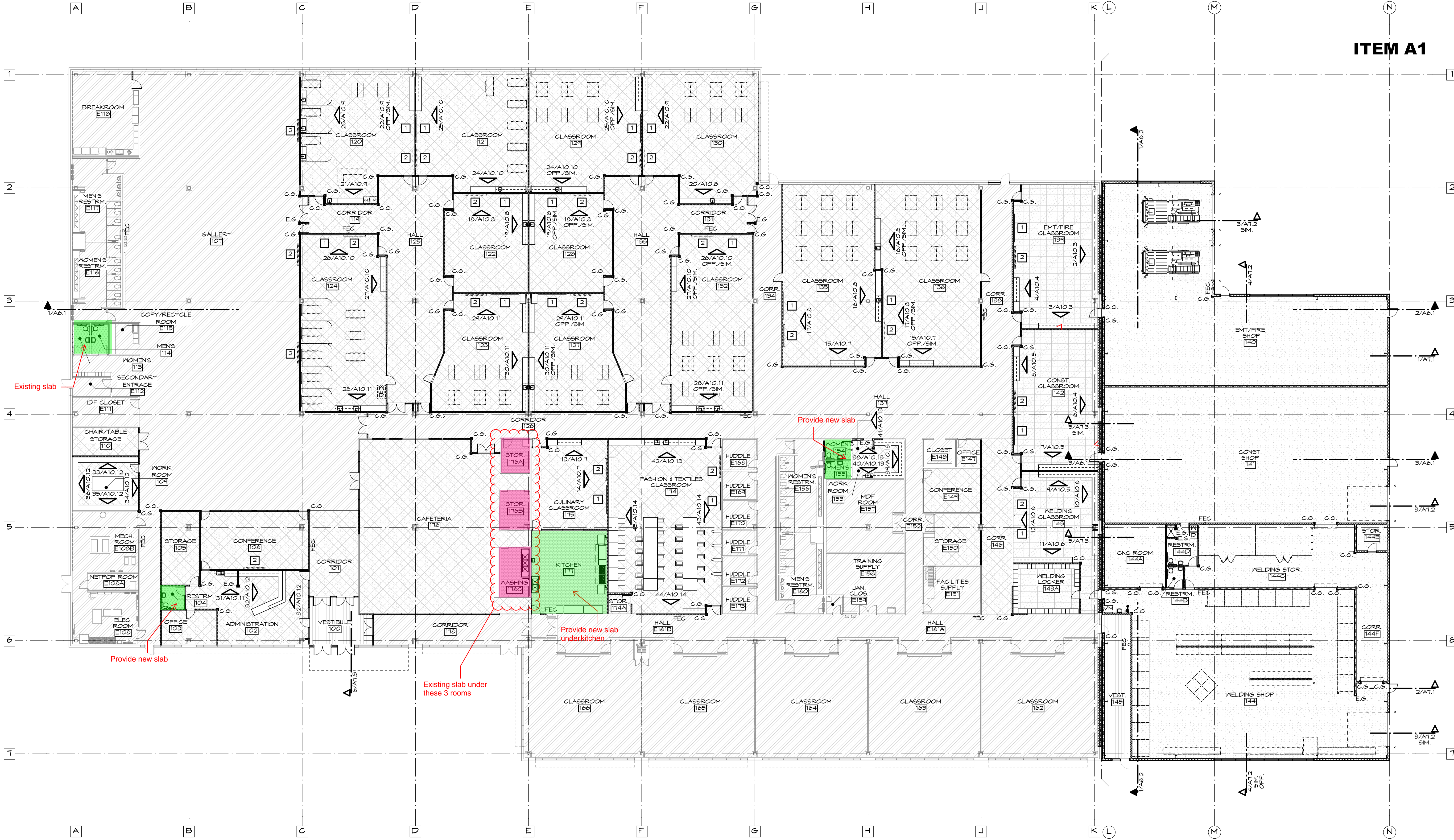
SCALE:	JOB LOCATION	REVISION
DATE: 5/26/23	POCATELLO, ID	
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWN BY MDC
PORTNEUF VALLEY TECH/CAREER		DRAWING NUMBER OF



ROOF SHEETING PLAN  
 PANELS: 24 Ga. TS-324 - ROOF COLOR

 <b>R &amp; M STEEL COMPANY</b> P.O. Box 580 Caldwell, Idaho 83606 208-454-1800 Fax 208-454-1801		REVISION
		SCALE: _____ DATE: 5/26/23
JOB LOCATION <b>POCATELLO, ID</b>		DRAWN BY <b>MDC</b>
POCATELLO-CHUBBUCK SCHOOL DIST		DRAWING NUMBER OF
PORTNEUF VALLEY TECH/CAREER		







**SECTION 09 6723  
RESINOUS FLOORING**

**PART 1 GENERAL****1.01 SUMMARY**

- A. This Section includes:
1. High-performance resinous flooring systems.

**1.02 SUBMITTALS**

- A. Product Data: For each type of product indicated.
- B. Material Certificates: For each resinous flooring component, from manufacturer.
- C. Maintenance Data: For maintenance manuals.
- D. Samples: Submit two 6" X 6" samples of each resinous flooring system applied to a rigid backing. Provide sample which is a true representation of proposed field applied finish. Provide sample color and texture for approval from Owner in writing or approved by General Contractor prior to installation.

**1.03 QUALITY ASSURANCE**

- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of flooring systems required for this Project.
1. Installer to have been in business for at least 5 years and listing 5 projects in the last 2 years of similar scope.
  2. Source Limitations: Obtain primary resinous flooring materials, including primers, resins, hardening agents, grouting coats, and topcoats, from single source from single manufacturer. Provide secondary materials, including patching and fill material, joint sealant, and repair materials, of type and from source recommended by manufacturer of primary materials.
  3. Pre-installation Conference: Conduct conference at Project site before work and mockups begin.
  4. Mockups: Apply mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution. Do not cover up mockup area.
    - a. Apply full-thickness mockups on 16 square foot floor area selected by Architect.
    - b. Finish surfaces for verification of products, color, texture, and sheen.
    - c. Mockup shall demonstrate desired slip resistance for review and approval by Owner's representative in writing.

**1.04 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storage and mixing with other components.
1. Maintain containers in clean condition, free of foreign materials and residue.
  2. Remove rags and waste from storage areas daily.

**1.05 PROJECT CONDITIONS**

- A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring application.

- B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring application.
- C. Close spaces to traffic during resinous flooring application and for not less than 24 hours after application unless manufacturer recommends a longer period.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Manufacturers: Subject to compliance with requirements, provide products by:
  - 1. The Sherwin Williams Company, Cleveland, OH. [swflooring@sherwin.com](mailto:swflooring@sherwin.com)
  - 2. Stonhard, Maple Shade, NJ. [stonhard.com](http://stonhard.com)
  - 3. Sika Corporation, Lyndhurst, NJ. [usa.sika.com](http://usa.sika.com)
  - 4. Substitutions: See Section 01 6000 - Product Substitutions
- B. Basis of Design: Resuflor Deco Quartz BC23, 1/8" nominal thickness.
  - 1. Primer: Resuprime 3579 at 250 sq. ft. per gallon.
  - 2. 1st Receiver Coat: Resuflor 3561 at 140-145 sq. ft. per gallon
  - 3. 1st Broadcast: GP5900F to excess at 0.4 lbs. per sq. ft.
  - 4. 2nd Receiver Coat: Resuflor 3561 at 65-70 sq. ft. per gallon
  - 5. 2nd Broadcast: GP5900F to excess at 0.4 lbs. per sq. ft.
  - 6. Grout Coat: Resuflor 3746 at 100 sq. ft. per gallon.
  - 7. Topcoat: Resuflor 3746 at 200 sq. ft. per gallon.

### **2.02 MATERIALS**

- A. VOC Content of Resinous Flooring: Provide resinous flooring systems, for use inside the weatherproofing system, that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24)].
  - 1. Resinous Flooring: 100 g/L.

### **2.03 HIGH-PERFORMANCE RESINOUS FLOORING**

- A. Resinous Flooring: Abrasion-, impact- and chemical-resistant, high-performance, resin-based, monolithic floor surfacing designed to produce a seamless floor.
- B. System Characteristics:
  - 1. Color and Pattern: As indicated from manufacturers listed above.
  - 2. Slip Resistance: Provide slip resistant finish.

## **PART 3 EXECUTION**

### **3.01 PREPARATION**

- A. Inspection: Prior to commencing Work, thoroughly examine all underlying and adjoining work, surfaces and conditions upon which Work is in any way dependent for perfect results. Report all conditions which affect Work. No "waiver of responsibility" for incomplete, inadequate or defective underlaying and adjoining work, surfaces and conditions will be considered, unless notice of such unsatisfactory conditions has been filed and agreed to in writing before Work begins. Commencement of Work constitutes acceptance of surfaces.
- B. Surface Preparation: Remove all surface contamination, loose or weakly adherent particles, laitance, grease, oil, curing compounds, paint, dust and debris by blast track method or approved mechanical means (acid etch not allowed). If surface is questionable, try a test patch. Create a minimum surface profile for the system specified in accordance with the methods described in ICRI No. 03732 to achieve profile numbers as follows:
  - 1. Thin film, to 10 mils  
CSP-1 to CSP-3

- |    |  |                 |
|----|--|-----------------|
| 2. | Thin and medium films, 10 to 40 mils   | CSP-3 to CSP-5  |
| 3. | Self-leveling mortars, to 3/16"        | CSP-4 to CSP-6  |
| 4. | Mortars and laminates, to 1/4" or more | CSP-5 to CSP-10 |
- C. Verify that concrete substrates are dry and moisture-vapor emissions are within acceptable levels according to manufacturer's written instructions.
1. Moisture Testing: Perform tests indicated below.
    - a. Calcium Chloride Test: Perform anhydrous calcium chloride test per ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lbs. of water/1000 sq. ft. in 24 hours. Perform tests so that each test area does not exceed 1000 sq. ft. and perform 3 tests for the first 1000 sq. ft. and one additional test for every additional 1000 sq ft.
    - b. In-Situ Probe Test: Perform relative-humidity test using in-situ probes per ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent relative-humidity-level measurement.

### 3.02 ENVIRONMENTAL CONDITIONS

- A. All applicators and all other personnel in the area of the RF installation shall take all required and necessary safety precautions. All manufacturers' installation instructions shall be implicitly followed.
- B. Repair damaged and deteriorated concrete according to resinous flooring manufacturer's written instructions.
- C. Alkalinity and Adhesion Testing: Verify that concrete substrates have pH within acceptable range. Perform tests recommended by manufacturer. Proceed with application only after substrates pass testing.
- D. Resinous Materials: Mix components and prepare materials according to resinous flooring manufacturer's written instructions.
- E. Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.
- F. Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring according to manufacturer's written instructions.

### 3.03 APPLICATIONS

- A. Install resinous floor over properly prepared concrete surface in strict accordance with the manufacturer's directions.
  1. Install the primer and/or base coats over thoroughly cleaned and prepared concrete.
  2. Install topcoat over flooring after excess aggregate has been removed.
  3. Maintain a slab temperature of 60°F to 80°F for 24 hours minimum before applying floor topping, or as instructed by manufacturer.
  4. Apply components of resinous flooring system according to manufacturer's written instructions to produce a uniform, monolithic wearing surface of thickness indicated.
    - a. Coordinate application of components to provide optimum adhesion of resinous flooring system to substrate, and optimum intercoat adhesion.
    - b. Cure resinous flooring components according to manufacturer's written instructions. Prevent contamination during application and curing processes.
    - c. At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.
  5. Sealant: Saw cut resinous floor topping at expansion joints in concrete slab. Fill sawcuts with sealant prior to final seal coat application. Follow manufacturer's written recommendations.
  6. Apply primer over prepared substrate at manufacturer's recommended spreading rate.
  7. Slip Resistant Finish: Provide grit for slip resistance.
  8. Apply topcoats in number indicated for flooring system and at spreading rates recommended in writing by manufacturer.



**3.04 COMPLETED WORK**

- A. Cleaning: Upon completion of the Work, clean up and remove from the premises surplus materials, tools, appliances, empty cans, cartons and rubbish resulting from the Work. Clean off all spattering and drippings, and all resulting stains.
- B. Protection: Protect Work in accordance with manufacturer's directions from damage and wear during the remainder of the construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.
- C. Contractor shall insure that coating is protected from any traffic until it is fully cured to the satisfaction of the coating manufacturer.

**END OF SECTION**

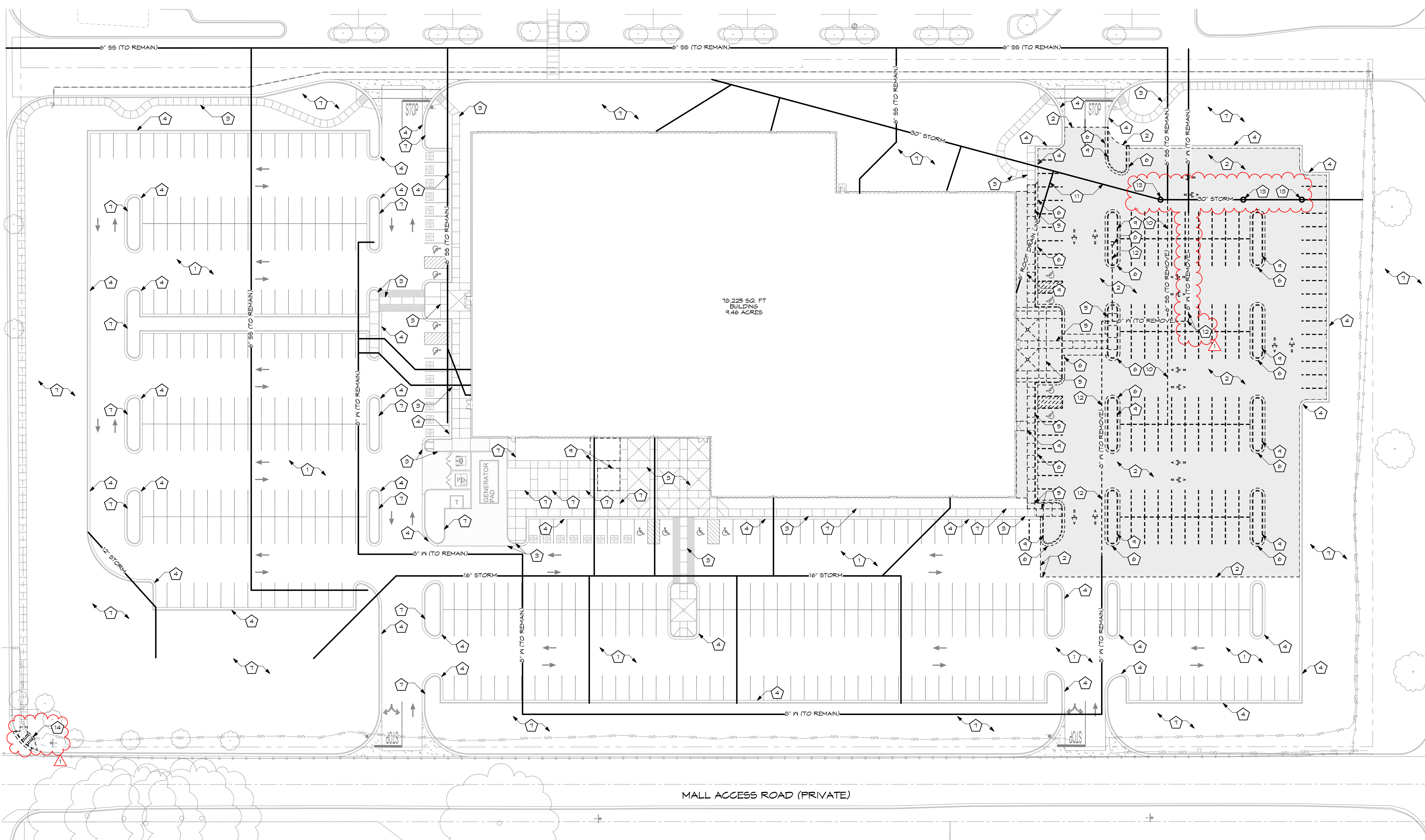


# SUBSTITUTION REQUEST

(During the Bidding/Negotiating Phase)

<b>PROJECT:</b> <u>PV-TEC Building remodel</u>	<b>SUBSTITUTION REQUEST NUMBER:</b> _____
<b>TO:</b> <u>JHS Architects</u>	<b>FROM:</b> <u>Ardex Americas</u>
<u>Scott Lloyd scott@jhsarchitects.com</u>	<b>DATE:</b> <u>August 18, 2023</u>
<b>RE:</b> _____	<b>A/E PROJECT NUMBER:</b> _____
<b>CONTRACT FOR:</b> _____	
<b>SPECIFICATION TITLE:</b> <u>Tiling</u>	<b>DESCRIPTION:</b> <u>Setting materials</u>
<b>SECTION:</b> <u>093000</u>	<b>PAGE:</b> <u>2.03C2</u>
	<b>ARTICLE/PARAGRAPH:</b> <u>latex portland cement bond coat</u>
<b>PROPOSED SUBSTITUTION:</b> <u>Ardex Americas: Ardex X3Plus LHT mortar</u>	
<b>MANUFACTURER:</b> <u>Ardex Americas</u>	<b>ADDRESS:</b> <u>Aliquippa, PA</u>
<b>TRADE NAME:</b> <u>Ardex Americas</u>	<b>PHONE:</b> <u>206-979-0401</u>
	<b>MODEL NO.:</b> _____
Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.	
Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.	
The Undersigned certifies:	
<ul style="list-style-type: none"> <li>· Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.</li> <li>· Same warranty will be furnished for proposed substitution as for specified product.</li> <li>· Same maintenance service and source of replacement parts, as applicable, is available.</li> <li>· Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.</li> <li>· Proposed substitution does not affect dimensions and functional clearances.</li> <li>· Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.</li> </ul>	
<b>SUBMITTED BY:</b> <u>Don Richards</u>	
<b>SIGNED BY:</b> <u>Don Richards</u>	
<b>FIRM:</b> <u>Ardex Americas</u>	
<b>ADDRESS:</b> <u>400 Ardex Park Drive Aliquippa, PA 15001</u>	
<b>TELEPHONE:</b> <u>206-979-0401</u>	
<b>A/E'S REVIEW AND RECOMMENDATION:</b>	
<input checked="" type="checkbox"/> Approve Substitution—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.	
<input type="checkbox"/> Approve Substitution as noted—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.	
<input type="checkbox"/> Reject Substitution—Use specified materials.	
<input type="checkbox"/> Substitution Request received too late—Use specified materials.	
<b>SIGNED BY:</b> <u>Scott R. Lloyd</u>	<b>DATE:</b> <u>8.23.23</u>
<b>SUPPORTING DATA ATTACHED:</b>	
<input type="checkbox"/> Drawings <input checked="" type="checkbox"/> Product Data <input type="checkbox"/> Samples <input type="checkbox"/> Tests <input type="checkbox"/> Reports <input type="checkbox"/> _____	



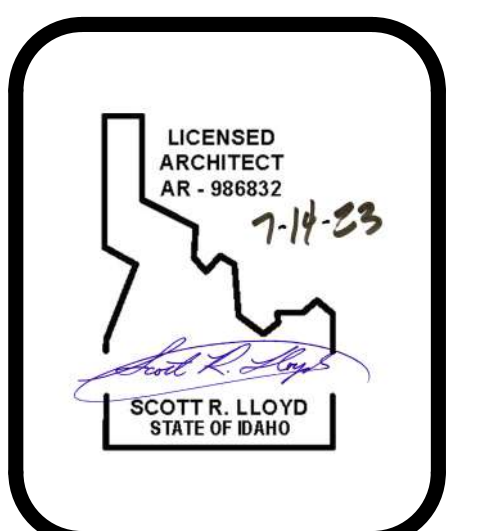


78,225 S.Q. FT  
BUILDING  
9.46 ACRES

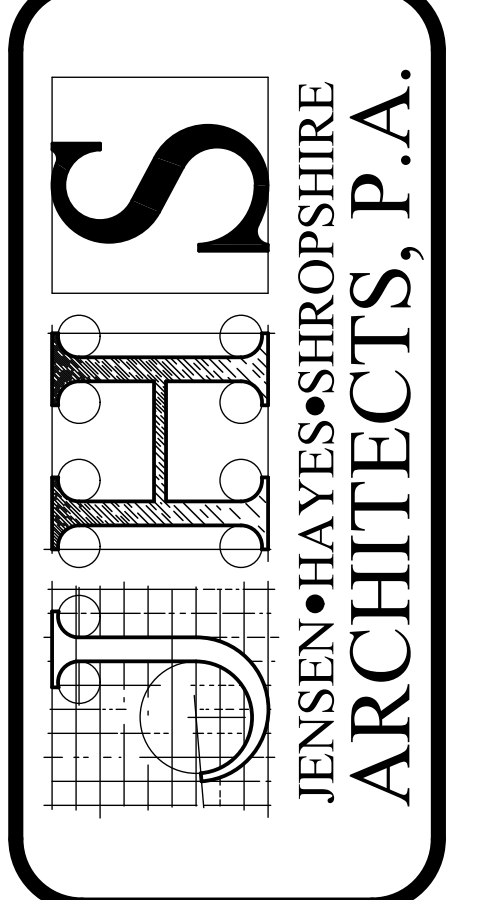
**1 SITE DEMOLITION PLAN**  
A1.1  
1" = 30'-0"  
NORTH

- GENERAL NOTES: (THIS DRAWING ONLY)**
- A. DIMENSIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY EXISTING DIMENSIONS.
  - B. CONTRACTOR TO COORDINATE PROJECT ACCESS AND PROJECT STAGING AREA W/ OWNER.
  - C. RETAIN AND PROTECT (E) WALKS, PAVING, LANDSCAPING, PLANTS, AND FENCING ON THE SITE EXCEPT OTHERWISE NOTED.
  - D. AREAS WHERE (E) CONC. SLAB IS INDICATED TO BE SAWCUT - CONTRACTOR SHALL BACKFILL AND PATCH CONC. FLOOR SLAB TO MATCH EXISTING.

- KEYED NOTES: (THIS DRAWING ONLY)**
- 1 (E) ASPHALT TO REMAIN - CONTRACTOR SHALL PROTECT DURING CONSTRUCTION
  - 2 SAW-CUT AND REMOVE (E) ASPHALT AS REQ'D. FOR NEW CONSTRUCTION
  - 3 (E) CONC. SIDEWALK TO REMAIN - CONTRACTOR SHALL PROTECT DURING CONSTRUCTION
  - 4 (E) CONC. CURB AND GUTTER TO REMAIN - CONTRACTOR SHALL PROTECT DURING CONSTRUCTION
  - 5 (E) CONC. SIDEWALK TO BE REMOVED
  - 6 CONC. CURB AND GUTTER TO BE REMOVED
  - 7 (E) LANDSCAPE AREA TO REMAIN - CONTRACTOR SHALL PROTECT DURING CONSTRUCTION
  - 8 (E) FIRE HYDRANT TO BE REMOVED
  - 9 (E) LANDSCAPE AREA TO BE REMOVED. (E) IRRIGATION SYSTEM TO BE REMOVED AND CAPPED AS REQ'D. FOR SYSTEM TO PROPERLY FUNCTION
  - 10 (E) SEWER LINE TO BE REMOVED AS REQ'D. FOR THE CONSTRUCTION OF THE BUILDING ADDITION
  - 11 (E) STORM DRAINAGE LINE AND ACCOMPANYING ROOF DRAIN LINES TO REMAIN. CONTRACTOR SHALL PROTECT AND REPAIR AS REQ'D. DURING CONSTRUCTION
  - 12 (E) WATER LINE TO BE REMOVED AS REQ'D. FOR THE CONSTRUCTION OF THE BUILDING ADDITION
  - 13 MAINTAIN AND PROTECT (E) MANHOLE AND PIPE
  - 14 (E) ADA CURB RAMP TO BE REMOVED



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**PV TEC BUILDING AND REMODEL**  
4200 HAWTHORNE RD. POCATELLO, IDAHO

**SITE DEMOLITION PLAN**

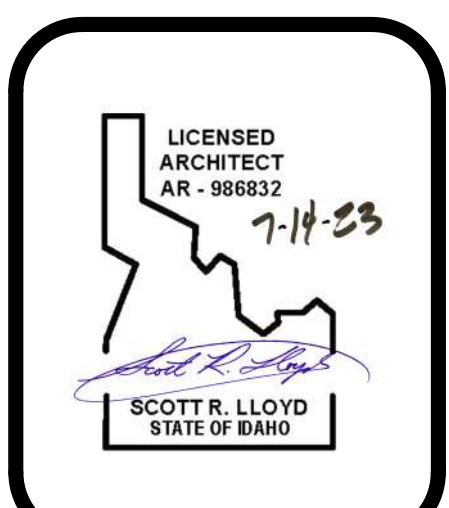
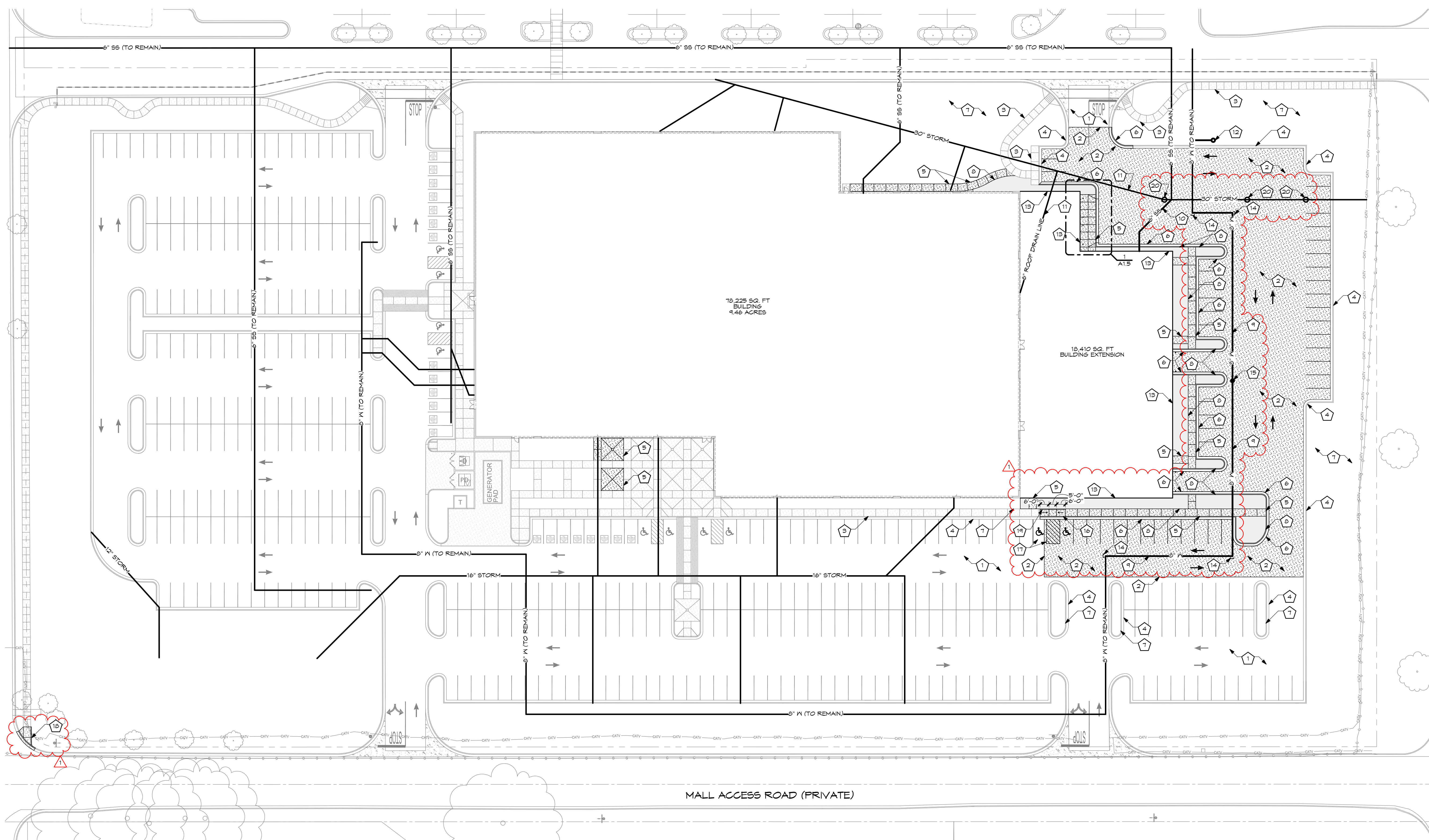
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1	REVISION #1
	8-29-2023

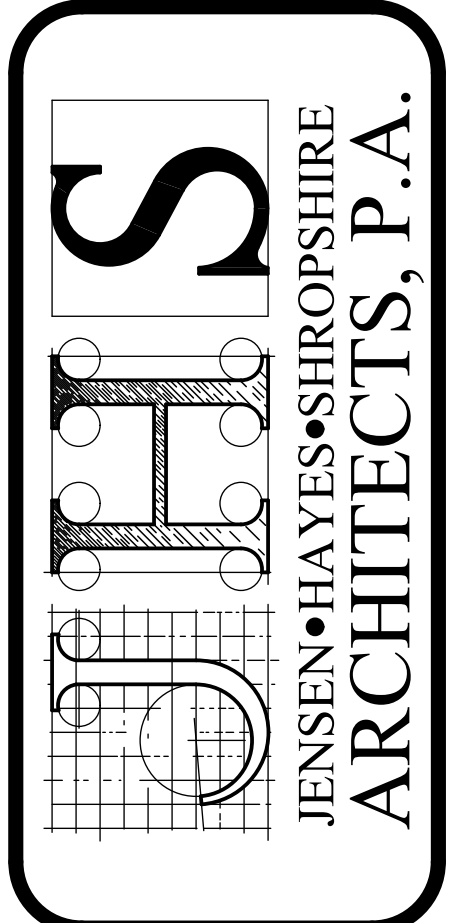
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**PV TEC BUILDING AND REMODEL**  
**4200 HAWTHORNE RD. POCATELLO, IDAHO**  
**SITE PLAN**

**1 SITE PLAN**  
**A1.2**  
 1" = 30'-0"  
 NORTH

**GENERAL NOTES: (THIS DRAWING ONLY)**

- A. PRIOR TO STARTING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- B. ALL WORK SHALL BE PERFORMED IN ACCORDANCE W/ THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE CITY OR GOVERNING AUTHORITY. RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND SHALL TAKE PRECEDENCE IN CASE OF CONFLICT, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY.
- C. 8" WIDE x 6" DEEP CONCRETE COLLAR TO BE INSTALLED AROUND ALL UTILITY (CATCH BASINS, VALVES, C.O.T.G., MANHOLES, ETC.) THAT PENETRATE FINISH GRADE (ASPHALT, LAWN, ETC.).
- D. CONTRACTOR TO COMPLY W/ ALL DIVISION OF AIR QUALITY REQUIREMENTS AND TO OBTAIN ALL REQUIRED PERMITS.
- E. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONFLICTS THAT OCCUR W/ DESIGN. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
- F. REFER TO LARGE SCALE DRAWING 1/A1.5 FOR GARAGE DRIVEWAY.
- G. WATER LINES, VALVES, HYDRANTS, FITTINGS, ETC. ARE TO BE CONSTRUCTED TO BE INSTALLED PER CITY STANDARDS. CONTRACTOR IS RESPONSIBLE TO CONSTRUCT ANY VERTICAL ADJUSTMENTS NECESSARY TO CONFLICTING UTILITIES.

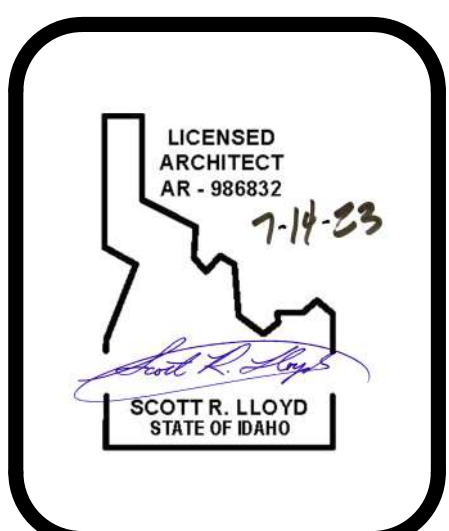
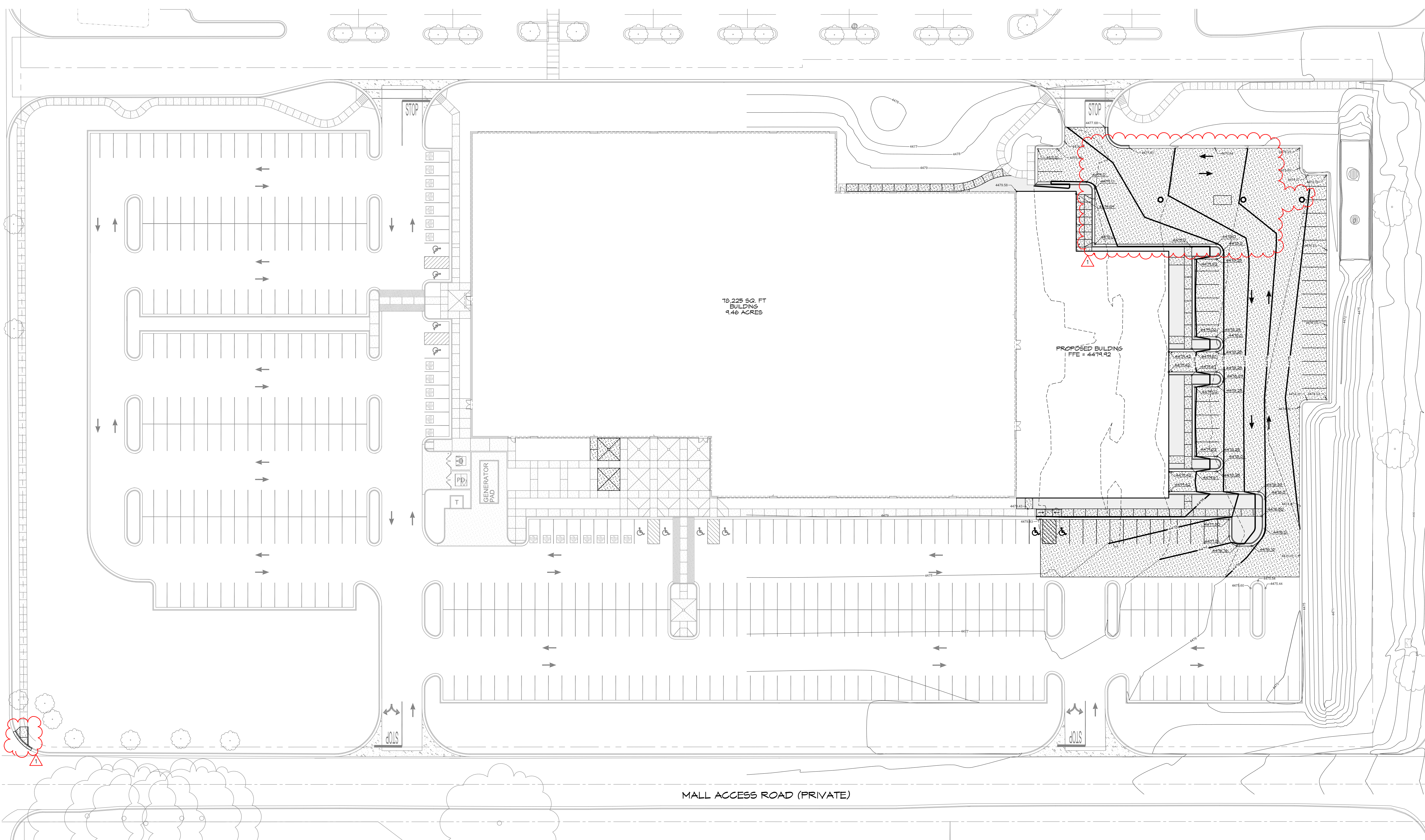
**KEYED NOTES: (THIS DRAWING ONLY)**

- 1 (E) ASPHALT TO REMAIN - CONTRACTOR SHALL PROTECT DURING CONSTRUCTION
- 2 NEW 4" ASPHALT PAVING - NEW ASPHALT TO FINISH FLUSH W/ (E) ASPHALT PAVING
- 3 (E) CONG. SIDEWALK TO REMAIN - CONTRACTOR SHALL PROTECT DURING CONSTRUCTION
- 4 (E) CONG. CURB AND GUTTER TO REMAIN - CONTRACTOR SHALL PROTECT DURING CONSTRUCTION
- 5 NEW 4" CONG. SIDEWALK
- 6 NEW CONG. CURB AND GUTTER - SEE DETAIL 4, 5/A1.5
- 7 (E) LANDSCAPE AREA TO REMAIN - CONTRACTOR SHALL PROTECT DURING CONSTRUCTION
- 8 NEW 3" MEDIUM PINE BARK MULCH LANDSCAPE AREA
- 9 NEW 8" WATER LINE TO BE RELOCATED AS SHOWN FOR NEW BUILDING ADDITION
- 10 NEW 6" SEWER LINE TO BE REROUTED FOR NEW BLDG. ADDITION
- 11 (E) STORM DRAINAGE LINE AND ACCOMPANYING ROOF DRAIN LINES TO REMAIN. CONTRACTOR SHALL PROTECT AND REPAIR AS REQD. DURING CONSTRUCTION
- 12 NEW FIRE HYDRANT - CONNECT TO (E) 8" WATER LINE AS REQD.
- 13 THICK LINE INDICATES NEW BUILDING ADDITION
- 14 PROVIDE THRUST BLOCK AT CHANGE OF DIRECTION
- 15 PROVIDE NEW WATER MAIN VALVE
- 16 NEW 4" CONG. ADA RAMP - SEE DETAIL 8/A1.5
- 17 NEW ADA STALLS AND LOADING AREA - SEE DETAIL 9/A1.5
- 18 NEW 4" CONG. ADA CURB RAMP - SEE DETAIL 10/A1.5
- 19 NEW LANDSCAPE CURB BEHIND THE RAMP - SEE DETAIL 8/A1.5
- 20 MAINTAIN AND PROTECT (E) MANHOLE AND PIPE

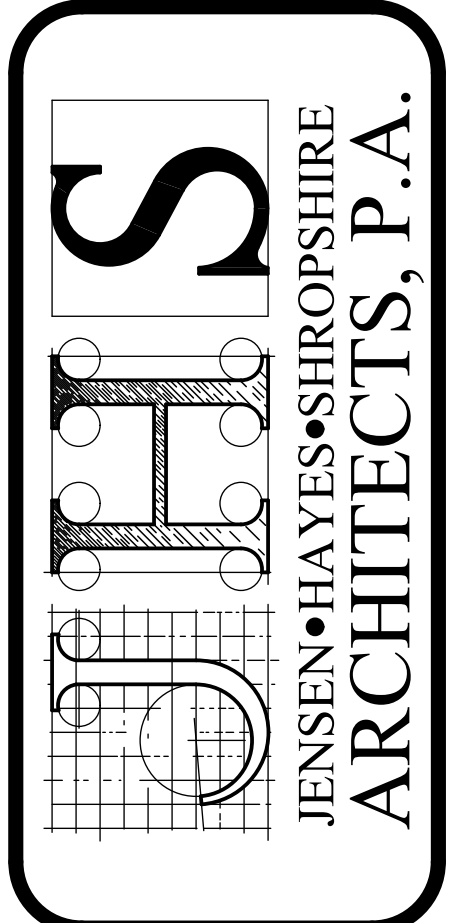
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**PV TEC BUILDING AND REMODEL**  
 4200 HAWTHORNE RD. POCATELLO, IDAHO

**GRADING PLAN**

**1 GRADING PLAN**  
 A1.3  
 1" = 30'-0"  
 NORTH

**GENERAL NOTES: (THIS DRAWING ONLY)**

- A. CONTOURS SHOWN ARE FOR FINISHED GRADES. CALCULATION TO ADJUST SUBGRADE IS THE CONTRACTOR'S RESPONSIBILITY.
- B. NO PROPOSED SLOPES SHALL BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
- C. FILLS SHALL BE BENCHED INTO COMPETENT MATERIAL AS PER SPECIFICATIONS.
- D. ALL UTILITIES SHALL BE ADJUSTED TO FINAL GRADE AFTER THE FINAL LIFT OF ASPHALT PER DETAILS.
- E. THE CONTOURS SHOWN ON THE SITE REPRESENT FINAL GRADE. THE TOP SIX INCHES OF MATERIAL IN LANDSCAPED AREAS SHALL BE TOPSOIL.
- F. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL PAVEMENT AREAS AND ALONG ALL CURBS. ALL CURBS, SIDEWALKS, AND PAVEMENT AREAS WHICH DO NOT PROVIDE PROPER DRAINAGE MUST BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- G. PRIOR TO PLACEMENT OF ANY CONCRETE, THE CONTRACTOR SHALL VERIFY GRADE AND GROSS SLOPE OF THE CURB AND GUTTER FORMS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY SECTION WHICH DOES NOT CONFORM TO THE DESIGN OF TYPICAL GROSS SECTION.
- H. IF ANY (E) STRUCTURES ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR/REPLACE THE (E) STRUCTURE AS NECESSARY.
- J. THE CONTRACTOR SHALL ADJUST AND/OR CUT (E) PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE BETWEEN NEW AND (E) CONSTRUCTION.
- K. CONTRACTOR SHALL CLEAN STREETS PERIODICALLY TO REMOVE TRACK-ON FROM ASPHALT SURFACES.
- L. EROSION CONTROL: PROTECT ALL INLET BOXES, CATCH BASINS, ETC. W/ STRAW BALES OR OTHER APPROVED METHOD TO STRAIN THE STORM WATER DURING CONSTRUCTION. PROTECT SURROUNDING PROPERTIES AND STREETS FROM SITE RUNOFF W/ SANDBAGS AND EARTH BERMS.

**SITE PREPARATION NOTES: (THIS DRAWING ONLY)**

- 1. TOPSOIL, (E) FILL, AND OTHER DELETERIOUS MATERIALS SHOULD BE REMOVED FROM BENEATH NEW BUILDING ADDITION AND PAVEMENT AREAS - REFER TO DEMOLITION SHEET.
- 2. FOLLOWING EXCAVATION OVER NEW BUILDING AREA, PARKING PAVEMENT AREAS AND CONCRETE FLATWORK, THE EXPOSED NATIVE SOILS (SUB-GRADE) SHOULD BE PROOF-ROLLED TO A NON-YIELDING FIRM STATE. LOOSE OR SOFT AREAS ENCOUNTERED DURING EXCAVATION SHALL BE EXCAVATED AND REPLACED W/ STRUCTURAL FILL PROPERLY PLACED AND COMPACTED TO 95%.
- 3. BOTTOM OF EXCAVATIONS SHALL BE COMPACTED W/ AT LEAST 4 PASSES OF A HANDHUMPOR OR OTHER APPROVED COMPACTOR TO DENSIFY SOILS LOOSENED DURING EXCAVATION AND TO IDENTIFY SOFT SPOTS.
- 4. EXCAVATED SOILS CAN NOT BE USED AS STRUCTURAL FILL UNDER NEW BUILDING AREA, BUT CAN BE USED AS FILL IN LANDSCAPE AREAS. ALL EXCESS FILL MATERIAL SHALL BE REMOVED FROM SITE BY CONTRACTOR.
- 5. FOUNDATIONS SHOULD NOT BE INSTALLED ON DISTURBED SOILS, UNDOCUMENTED FILL, DEBRIS, FROZEN SOILS, IN PONDED WATER, OR A COMBINATION OF SOIL TYPES (SUCH AS STRUCTURAL FILL AND NATIVE SOILS). IF FOUNDATION SOILS BECOME DISTURBED DURING CONSTRUCTION, THEY SHOULD BE RECOMPACTED.
- 6. PLACE COMPACTED ENGINEERED FILL WHERE SHOWN ON DRAWINGS TO RED ELEVATIONS UNDER INTERIOR FOOTINGS, FLOOR SLABS, PAVEMENT AND CONCRETE FLATWORK. PLACE ENGINEERED STRUCTURAL FILL IN 8" MAXIMUM LIFTS COMPACTED TO MIN. 95% OF MAX. DENSITY AS DETERMINED BY ASTM D 1557. STRUCTURAL FILL AND COMPACTION MUST COMPLY W/ RECOMMENDATIONS STATED IN SPECIFICATIONS. FILLS PLACED IN LANDSCAPED AREAS NOT SUPPORTING STRUCTURAL LOADS TO BE COMPACTED TO MIN. 90% MAX. DENSITY.
- 7. EXCAVATIONS SHALL BE OBSERVED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF STRUCTURAL FILL FOR CONSTRUCTION OF FOOTINGS TO EVALUATE WHETHER SUITABLE BEARING SOILS HAVE BEEN EXPOSED AND VERIFY EXCAVATION BOTTOMS ARE FREE OF LOOSE OR DISTURBED SOILS.

**LEGEND (THIS DRAWING ONLY)**

- EXISTING GRADE CONTOURS
- NEW GRADE CONTOURS
- - - - - CHANGED GRADE CONTOURS

REVISIONS:  
 1 REVISION #1  
 8-29-2023

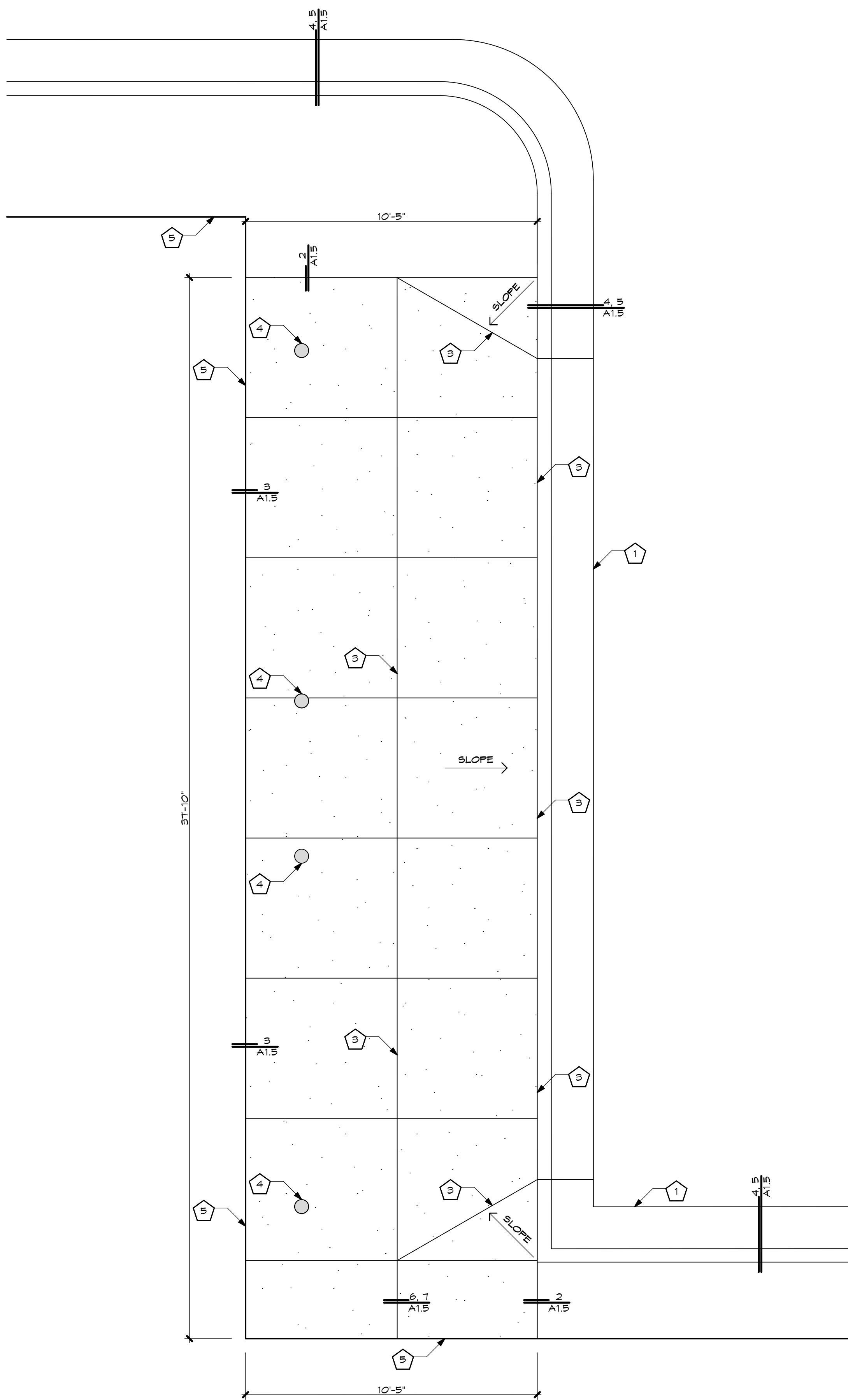
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 UPDATE: 08-29-2023  
 DRAWN BY: rh



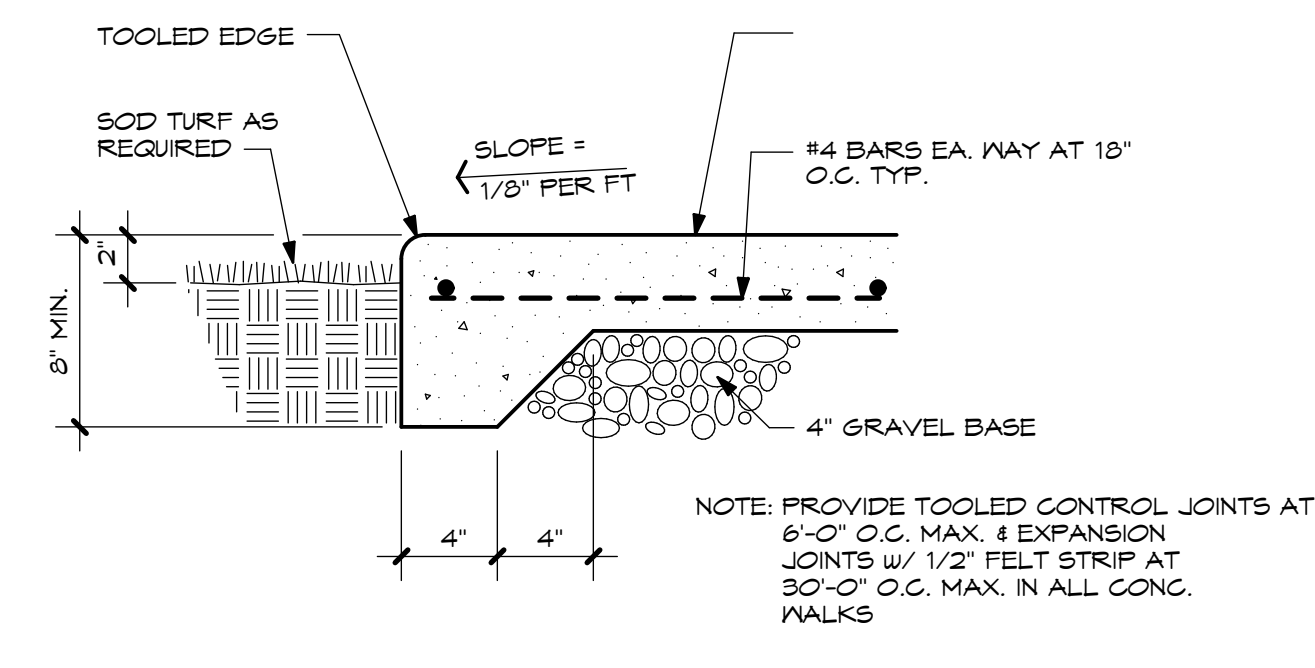




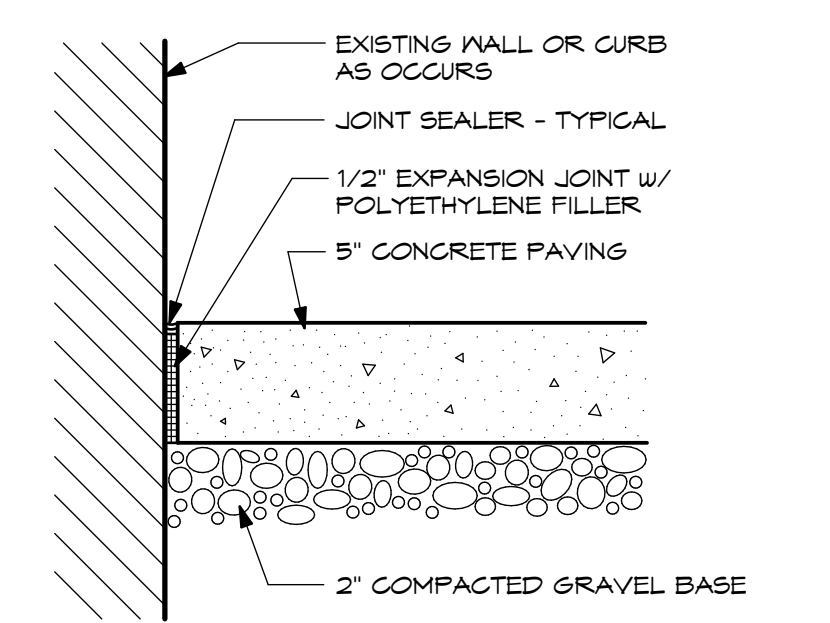


**1 ENLARGED PARTIAL SITE PLAN**  
A1.5 3/8" = 1'-0"

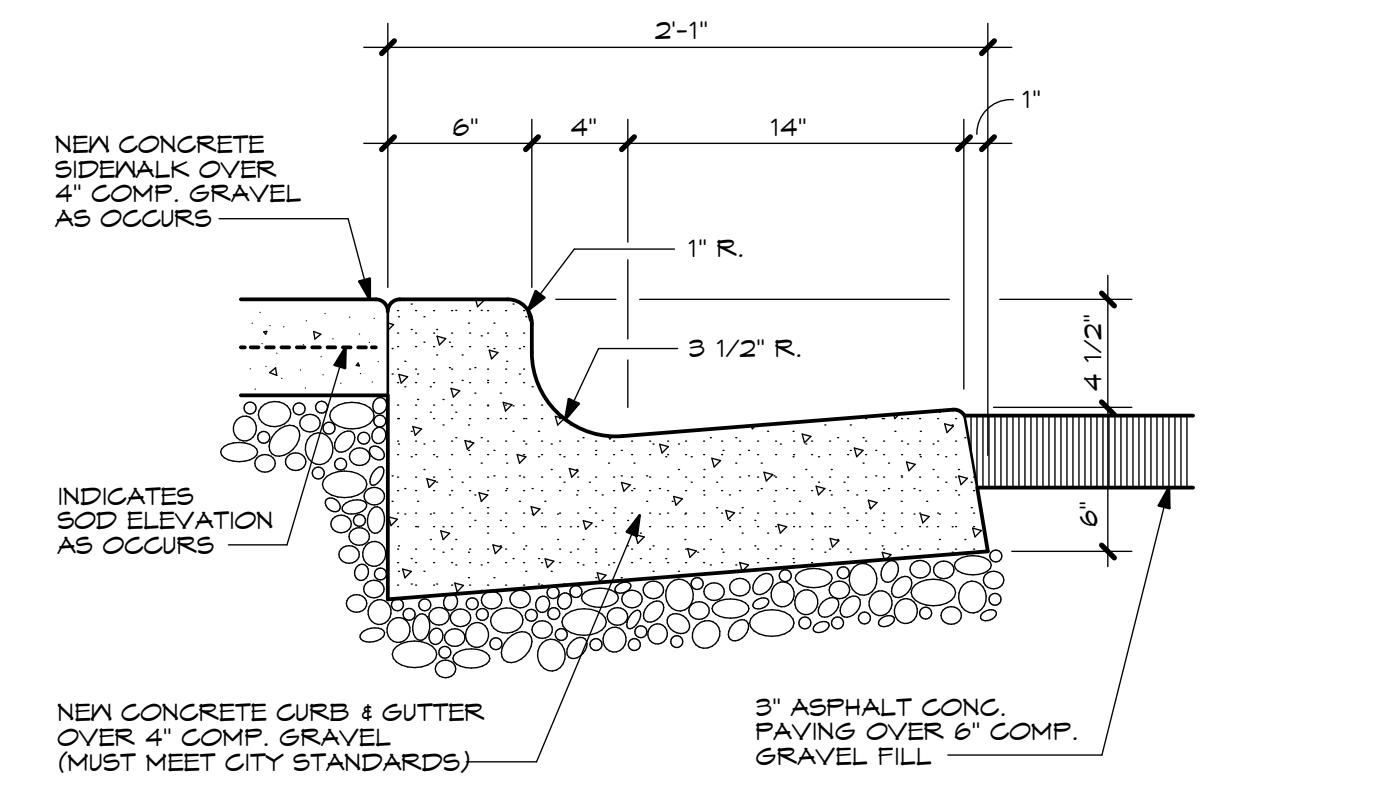
- GENERAL NOTES:** (THIS DRAWING ONLY)
- A. DIMENSIONS ARE APPROXIMATE CONTRACTOR TO VERIFY EXISTING DIMENSIONS.
- KEYED NOTES:** (THIS DRAWING ONLY)
- 1 NEW CONC. CURB AND GUTTER PER DETAIL 4, 5/A1.5
  - 2 NEW 4" CONC. SIDEWALK PER DETAIL 2, 3, 6 AND 1/A1.5
  - 3 NEW CONC. RAMP (MAX SLOPE 1":12")
  - 4 8" WIDE x 6" DEEP CONCRETE COLLAR
  - 5 EXTERIOR FACE OF NEW BUILDING ADDITION



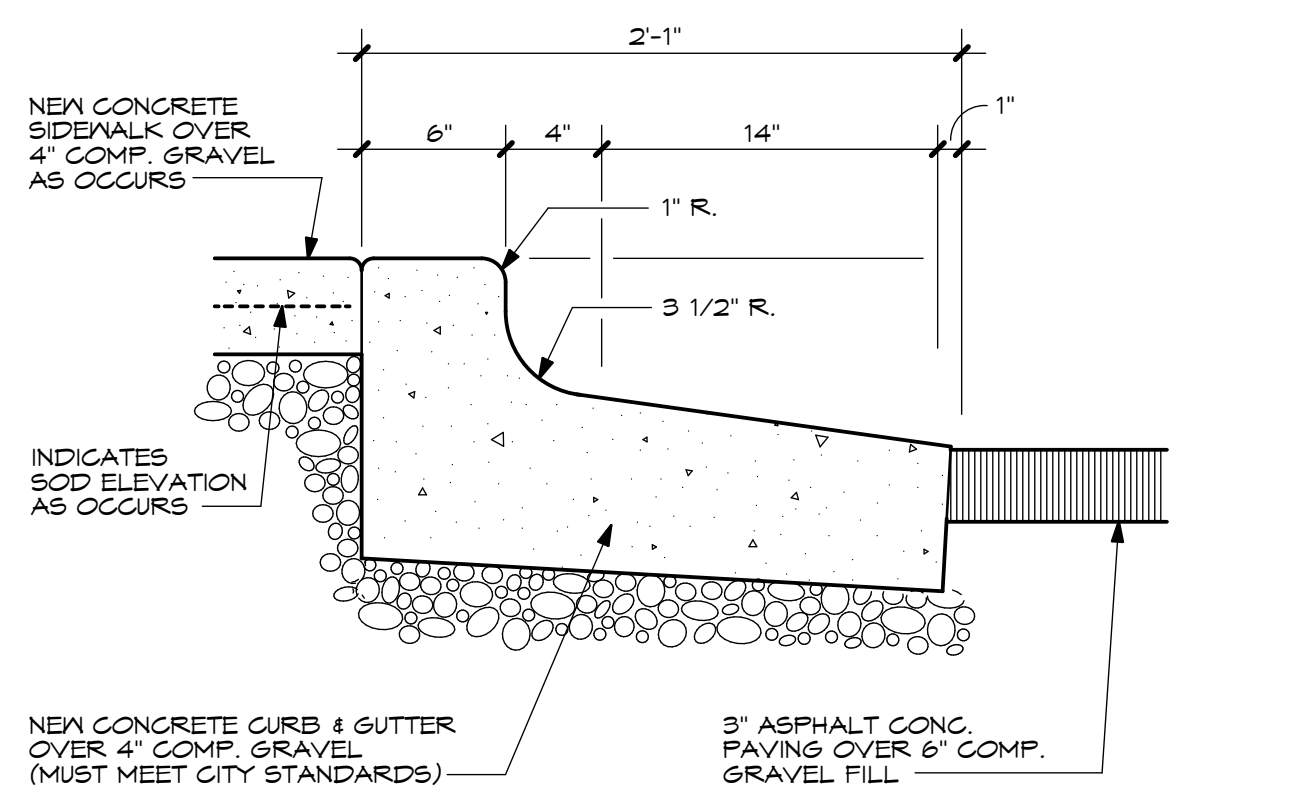
**2 SIDEWALK EDGE DETAIL**  
A1.5 1 1/2" = 1'-0"



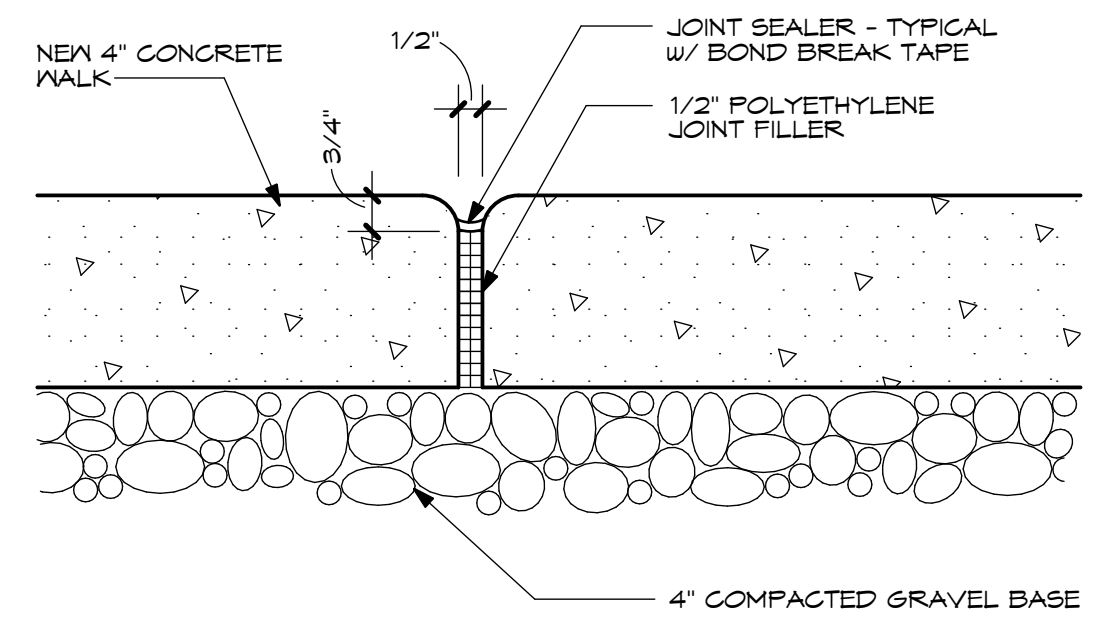
**3 CONC. PAVING AT WALL**  
A1.5 1 1/2" = 1'-0"



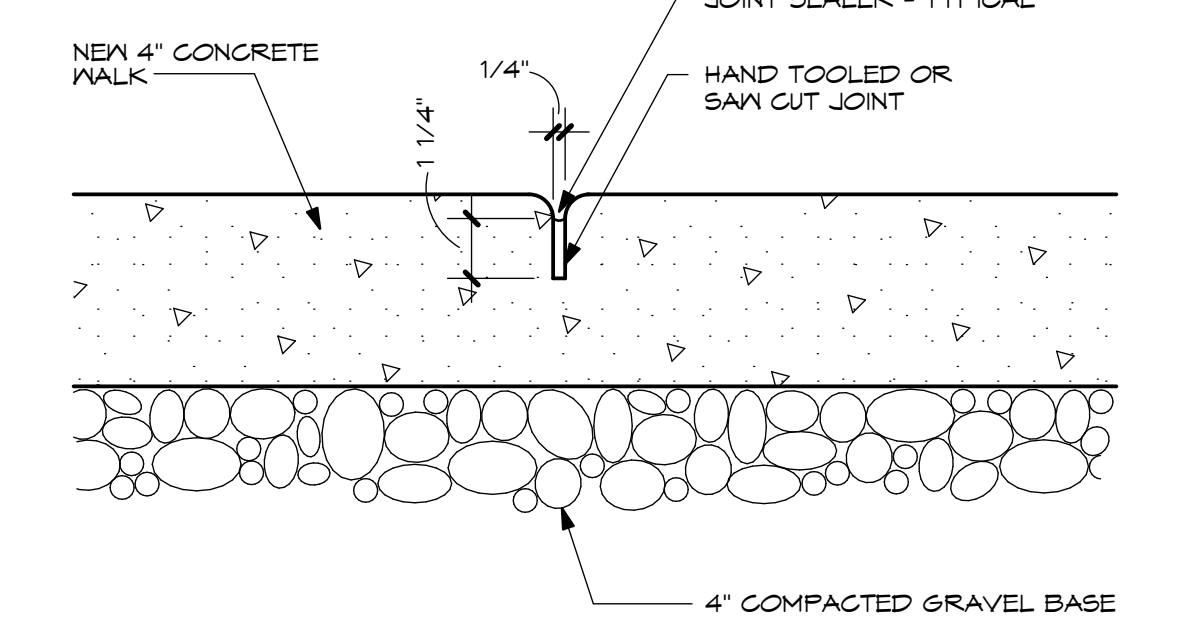
**4 NEW CURB & GUTTER DETAIL (DRAIN SIDE)**  
A1.5 1 1/2" = 1'-0"



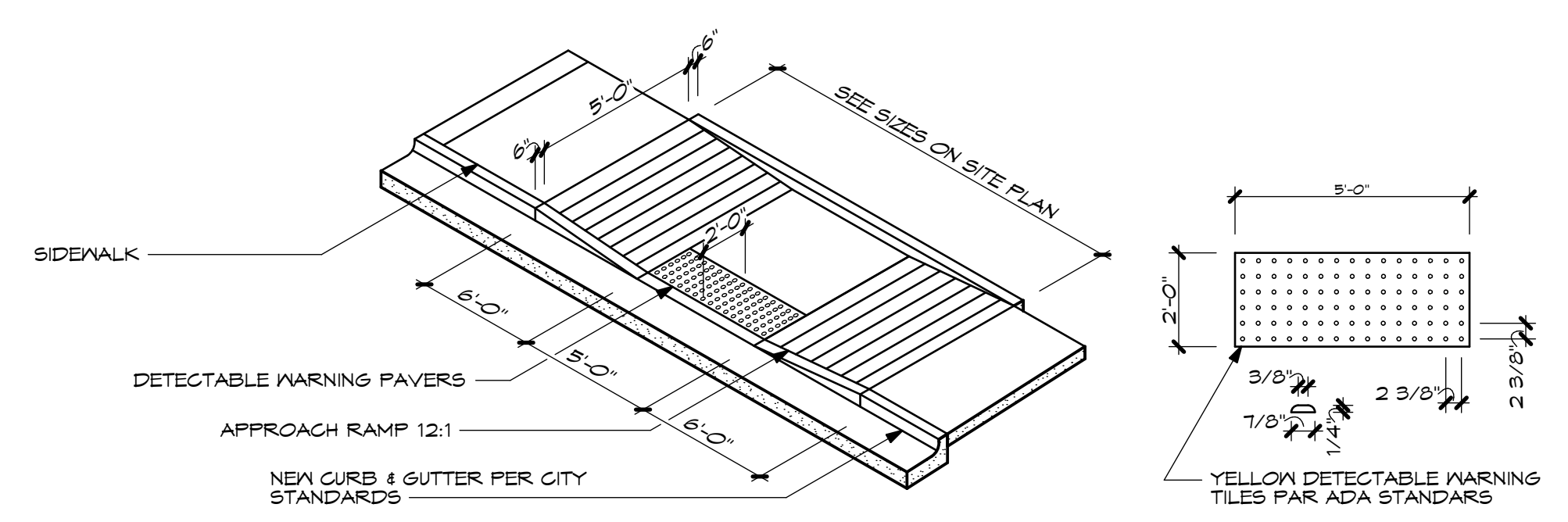
**5 NEW CURB & GUTTER DETAIL (HIGH SIDE)**  
A1.5 1 1/2" = 1'-0"



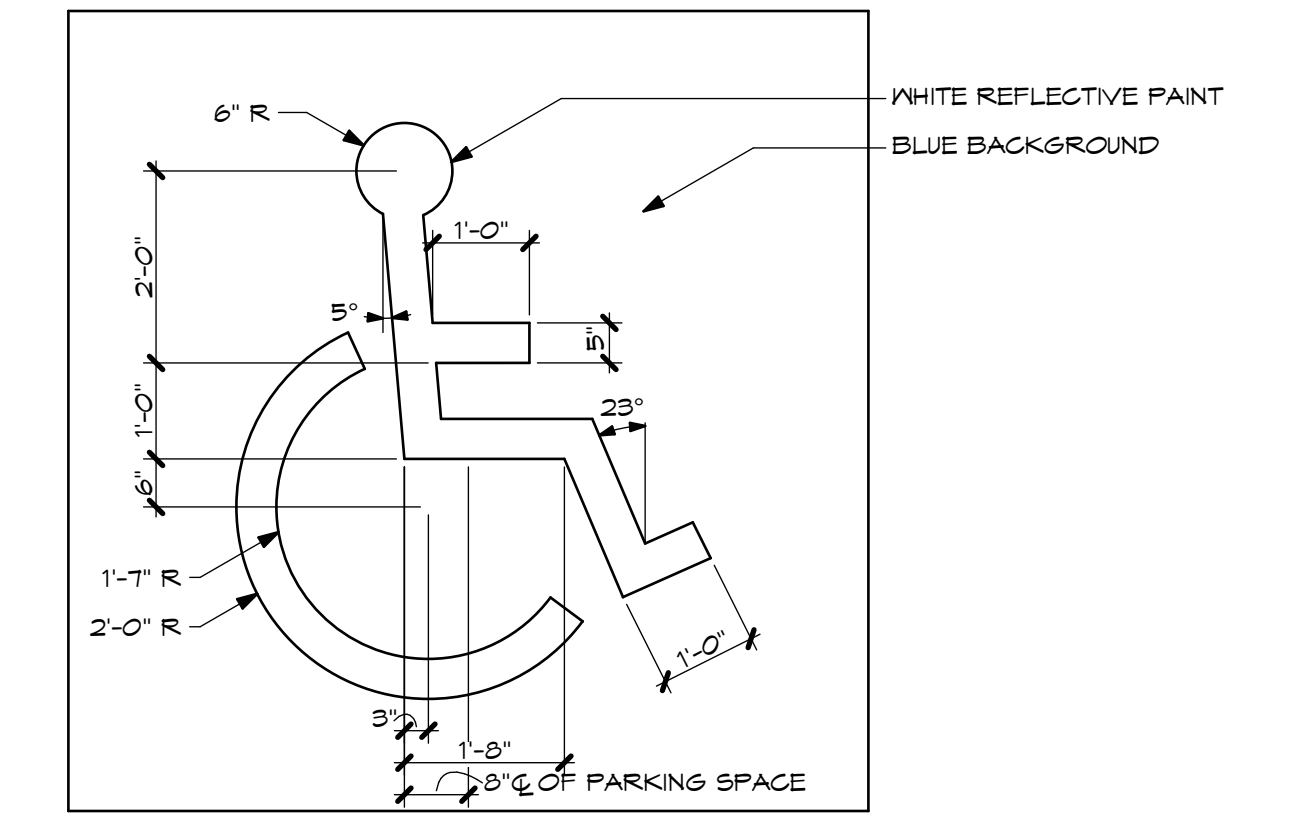
**6 EXPANSION JOINT DETAIL**  
A1.5 3" = 1'-0"



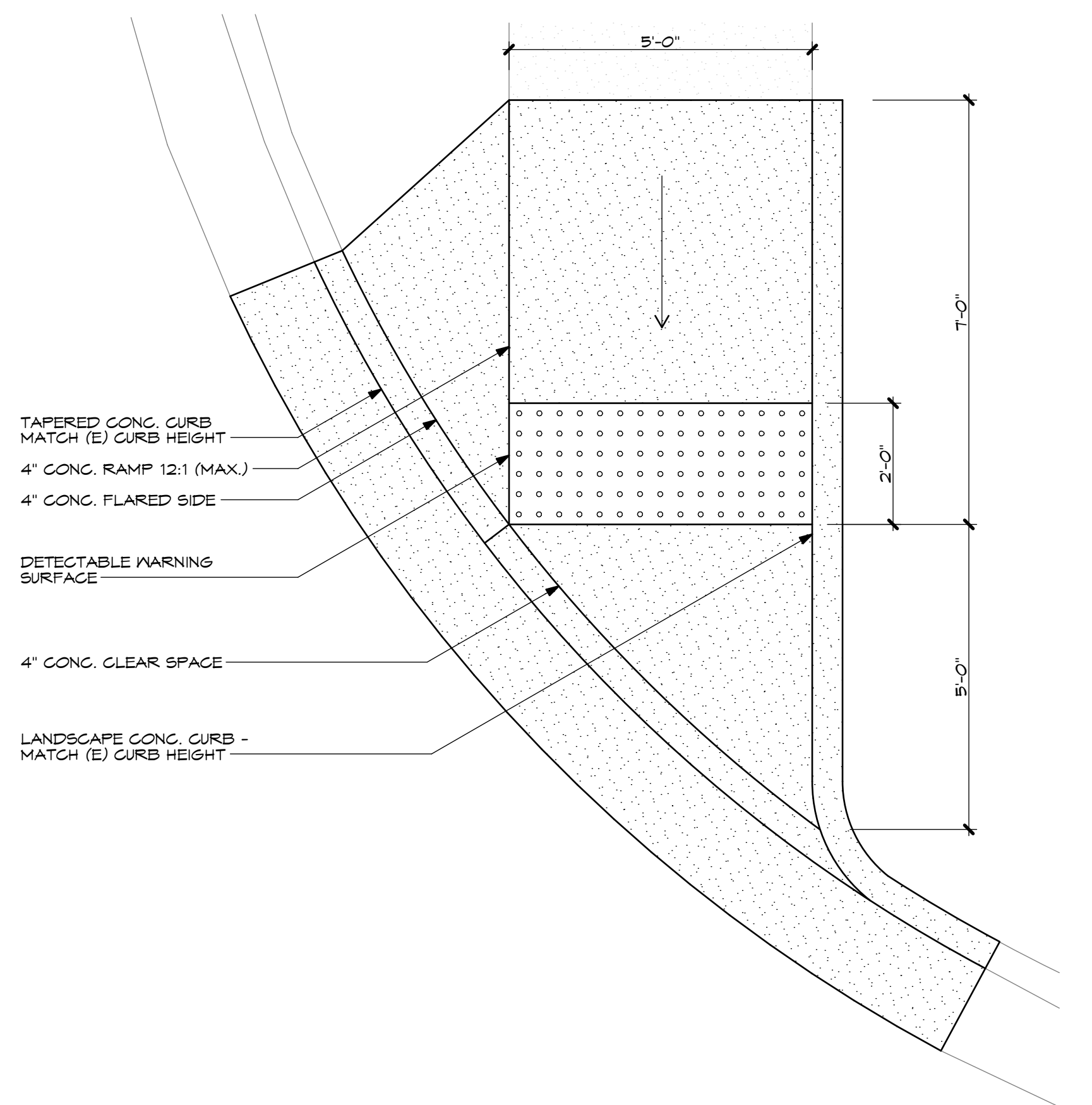
**7 CONTROL JOINT DETAIL**  
A1.5 3" = 1'-0"



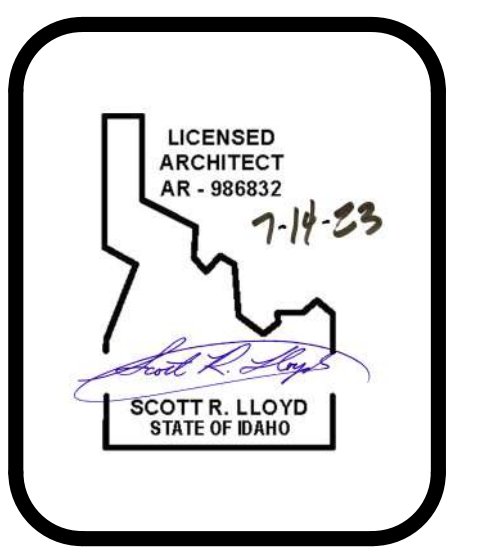
**8 ADA RAMP DETAIL**  
A1.5 N.T.S.



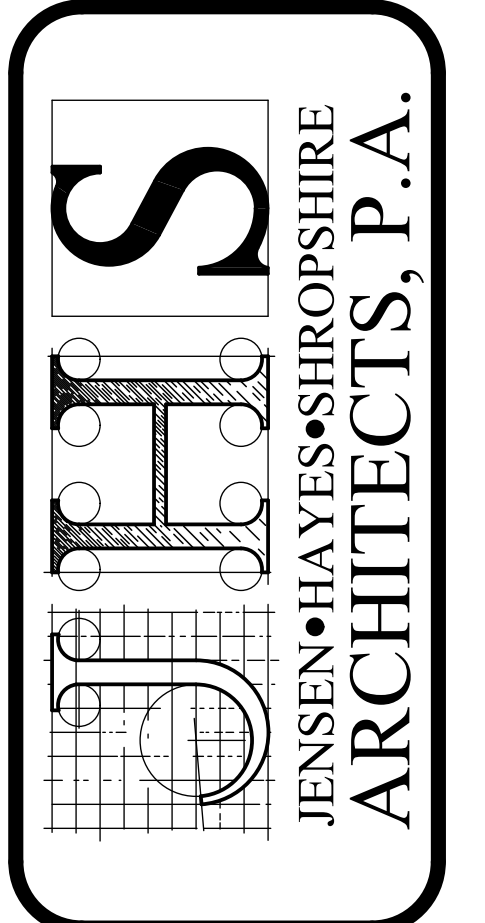
**9 ADA SYMBOL DETAIL**  
A1.5 N.T.S.



**10 ADA CURB RAMP DETAIL**  
A1.5 1/2" = 1'-0"



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**PV TEC BUILDING AND REMODEL**  
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**ENLARGED PARTIAL SITE PLAN AND SITE DETAILS**

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