

DOCUMENT 00 90 00
ADDENDUM

ADDENDUM NO. [3] Date: November 7, 2018

**RE: PRENTICE SCHOOL DISTRICT
 ADDITION AND REMODELING BID PKG 3
 1025 TOWN ST
 PRENTICE, WI 54556
 HSR PROJECT NO. 18022**

**FROM: HSR Associates, Inc
 100 Milwaukee Street
 La Crosse, WI 54603
 (608) 784-1830**

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated October 2018. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

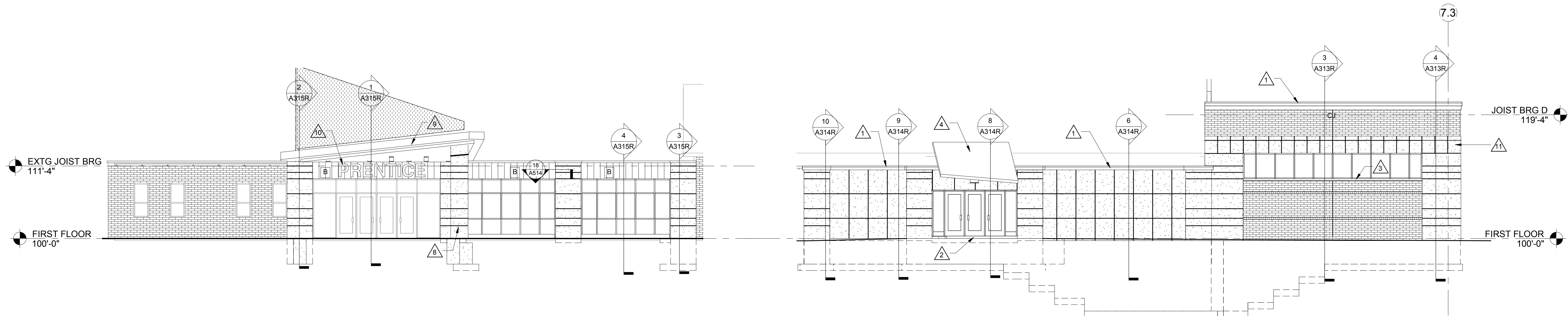
This Addendum consists of [2] pages, and [6] 30 x 42 drawings.

CHANGES TO DRAWINGS

1. Sheet A112R FLOOR PLAN UNIT B 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revised extents of brick at northwest CORNER.
2. Sheet A201R EXTERIOR ELEVATIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revised extents of brick at west wall
3. Sheet S002R STRUCTURAL SCHEDULES 30 x 42 attached hereto.
 - a. Revisions clouded on Drawing.
 - b. Revision to miscellaneous lintel schedule to provide steel options for new openings in existing walls.
4. Sheet S200R ROOF AND PENTHOUSE FLOOR FRAMING – SEGMENT C 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Added framing to support sliding glass door systems along grids C and D. Added keynotes to include RTU information.
5. Sheet S201R ROOF FRAMING PLAN –UNIT B, D AND PARTIAL C 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Added reinforcing information for existing kitchen roof to support new mechanical equipment. Added keynotes to include RTU information.

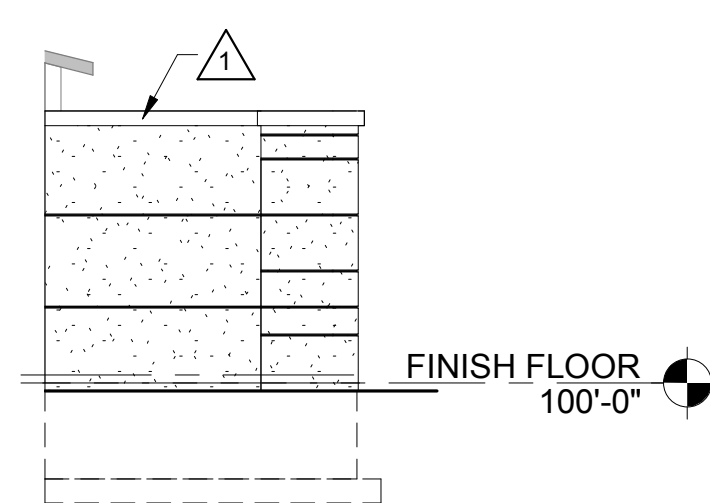
6. Sheet S202 FRAMING PLANS UNIT A & E 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Added keynotes to include RTU information. Revised location of masonry pier at main entrance.

END OF DOCUMENT 00 90 00

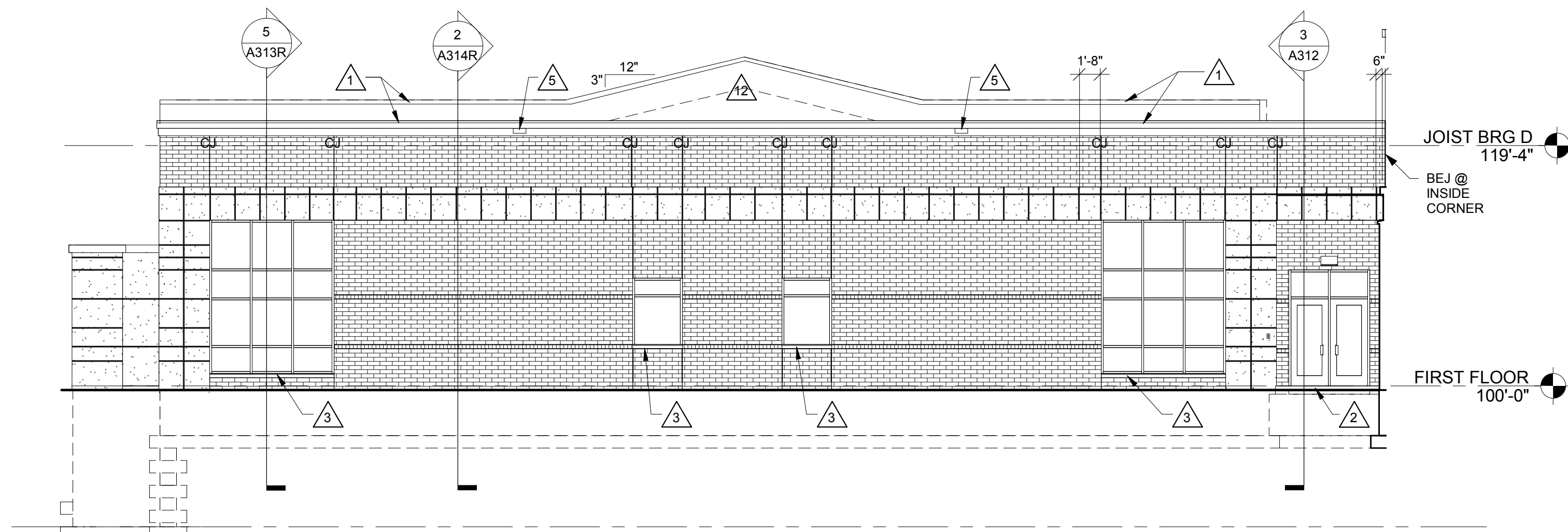


1 MAIN ENTRY EAST
1/8" = 1'-0"

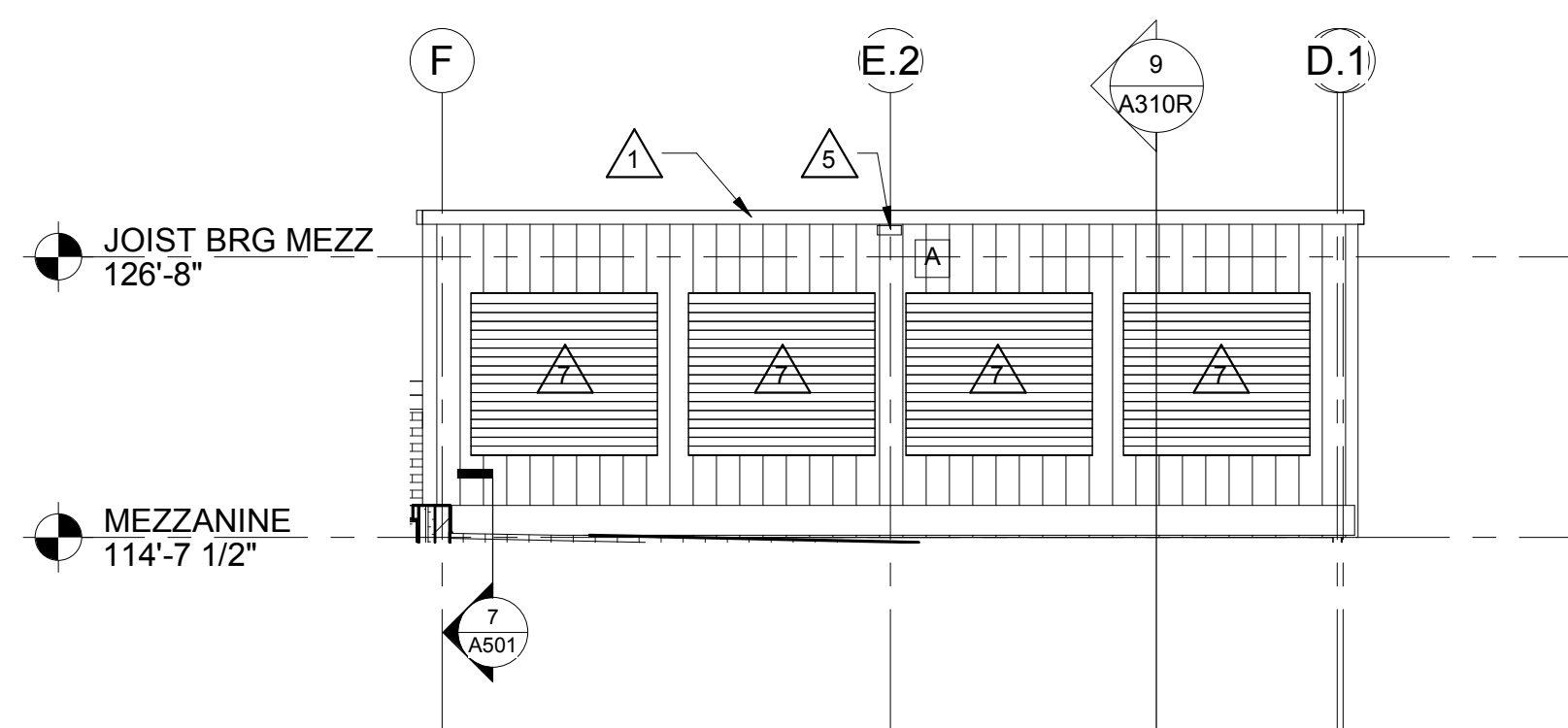
2 SEGMENT D- EAST
1/8" = 1'-0"



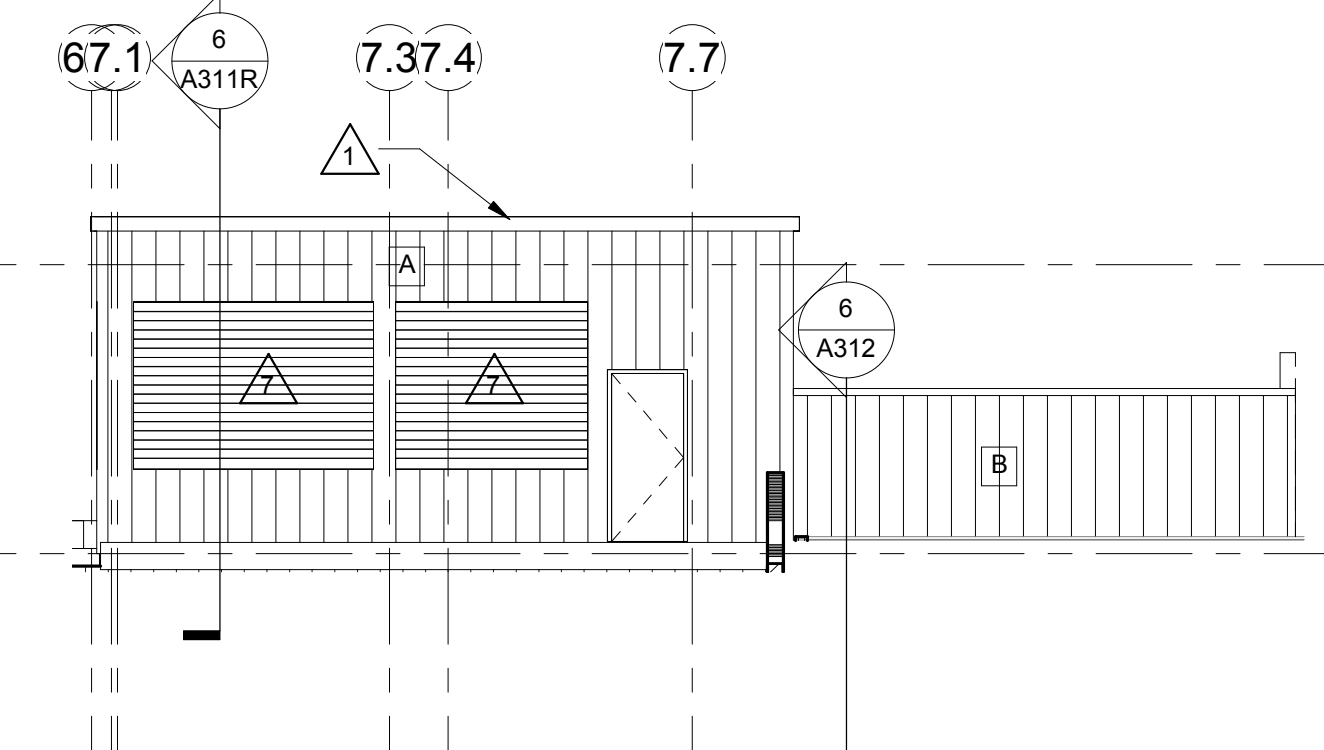
3 SEGMENT D- SOUTH
1/8" = 1'-0"



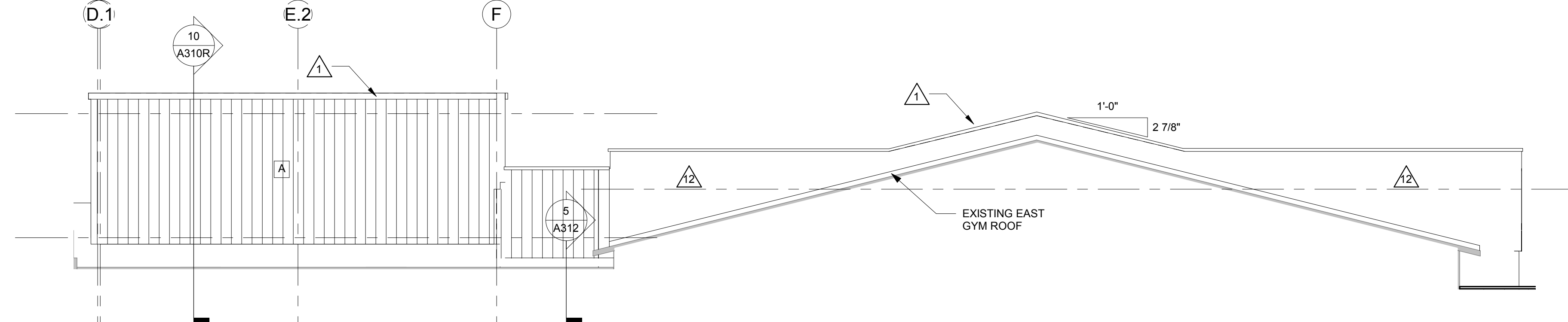
4 SEGMENT D- NORTH
1/8" = 1'-0"



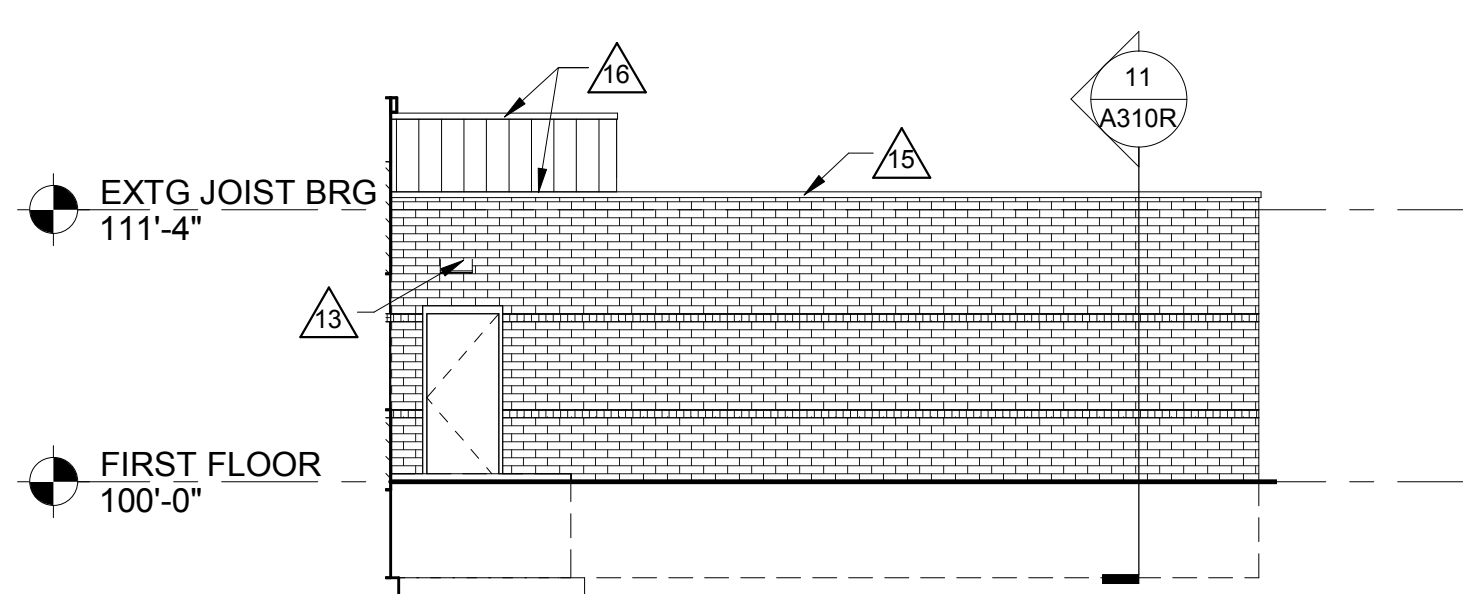
5 MEZZANINE- NORTH
1/8" = 1'-0"



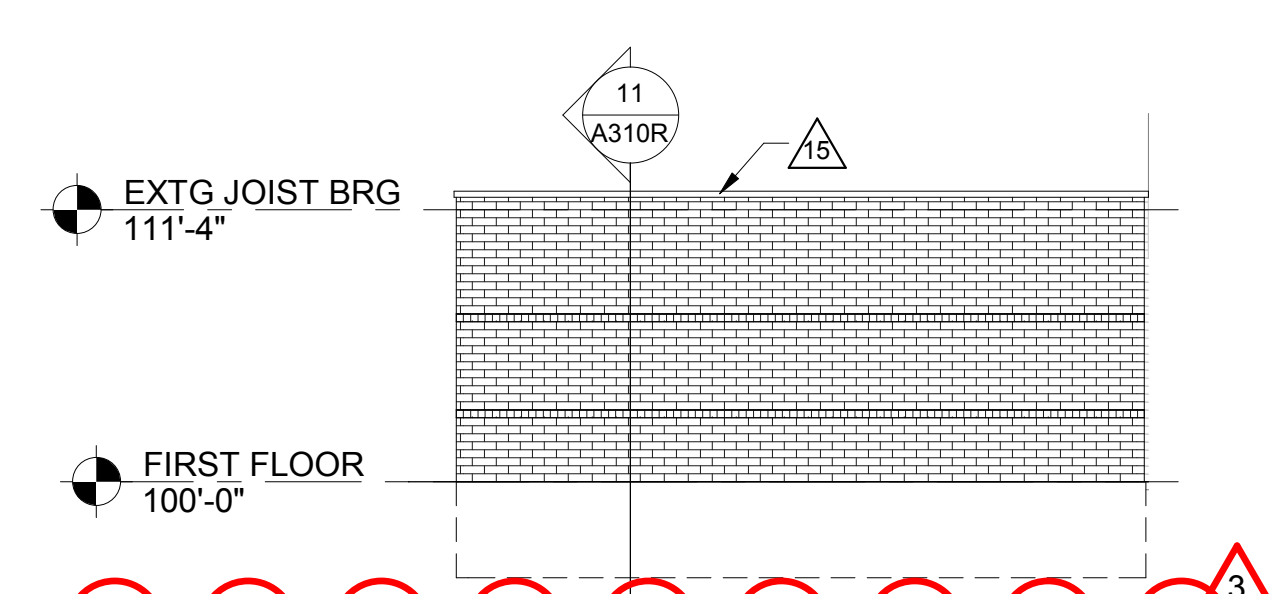
6 MEZZANINE- WEST
1/8" = 1'-0"



7 MEZZANINE- CHORAL/ BAND SOUTH
1/8" = 1'-0"



8 SEGMENT B- NORTH
1/8" = 1'-0"

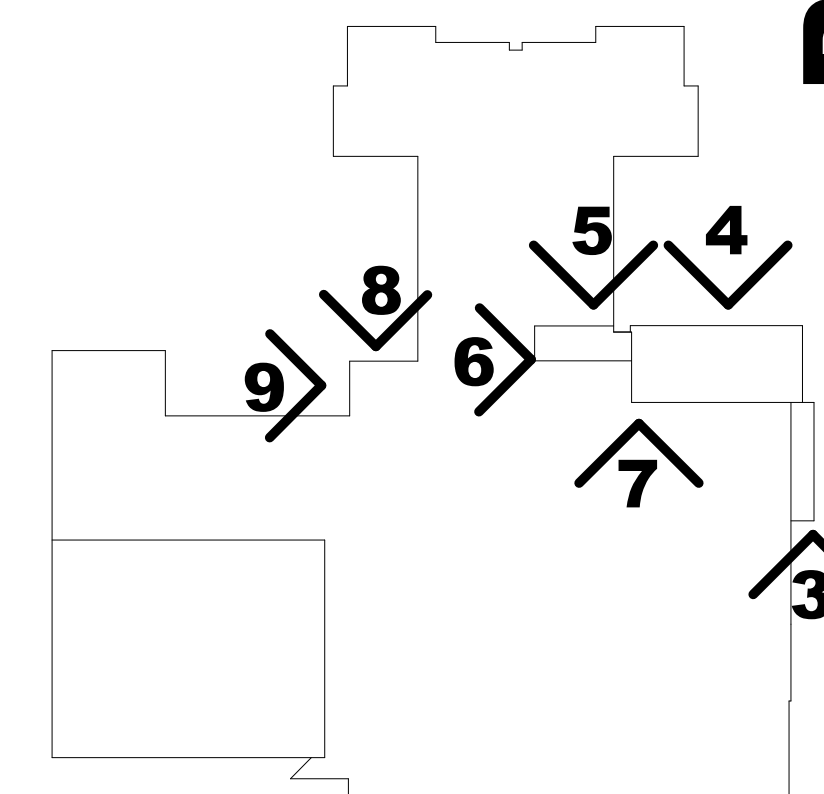


9 SEGMENT B- WEST
1/8" = 1'-0"

GENERAL NOTES:	
A	SEE DETAILS A200 FOR CONTROL JOINT (CJ) AND BRICK CONTROL JOINT (BCJ) INFORMATION.
B	BRICK COURSING: RUNNING 1/3 BOND TYPICAL.
C	BRICK SIZE: 4x4x12 (NOMINAL)
D	SEE SPECIFICATION FOR MATERIAL TYPE.
E	SEE DETAIL 11/A512 FOR TYPICAL HEAD FLASHING DETAIL.

LEGEND:	
△	KEYNOTE TAG
A	METAL PANEL - COLOR A
B	METAL PANEL - COLOR B
○	WINDOW TAG, SEE SHEET A212 FOR FRAME ELEVATIONS
CJ	THROUGH WALL CONTROL JOINT - SEE DETAILS A510
BCJ	BRICK VENEER CONTROL JOINT - SEE DETAILS A510
■	METAL PANEL
■	ARCHITECTURAL CAST STONE PANEL - SEE 9/A200 FOR REVEAL PROFILE
■	FIELD BRICK RUNNING BOND
■	ACCENT BAND BRICK ROWLOCK
—	SEE WINDOW ELEV
—	CAST STONE SILL - SEE 9/A200 FOR TYPICAL PROFILE. SEE SPEC FOR MINIMUM LENGTHS.

KEY NOTES ELEVATION	
1	PREFINISHED SHEET METAL CAP FLASHING W/ 6" WIDE JOINT COVERS SET IN SEALANT.
2	CONCRETE STOOP SLAB AT DOOR- SEE STRUCTURAL.
3	CAST STONE SILL- SEE PROFILE 9/A200.
4	METAL AWNING- SEE DETAILS
5	OVERFLOW SCUPPER- SEE ROOF PLAN AND DETAIL SHEET
6	SPRINKLER RISER CONNECTION.
7	LOUVER- SEE MECHANICAL
8	CANOPY COLUMN- SEE DETAILS
9	MAIN CANOPY- SEE DETAILS
10	BUILDING SIGNAGE- BY OWNER.
11	ARCHITECTURAL PRECAST PANELS TO BE 2'-0" WIDE, UNLESS SHOWN OTHERWISE.
12	RUN EPDM UP PARAPET.
13	EXTERIOR LIGHTING.
14	SAWTOOTH IN BRICK AT EXISTING OPENING. MATCH ADJACENT BRICK.
15	REPAIR/ REPLACE METAL CAP FLASHING AS REQUIRED.
16	EXISTING METAL CAP FLASHING AND DRIP EDGE TO REMAIN.
17	CLEAN/ REPAIR EXISTING BRICK.
18	Elev.
19	Elev.
20	Elev.



ELEVATION KEY PLAN

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN



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Consultant:

PRENTICE SCHOOL DISTRICT
ADDITION AND REMODELING

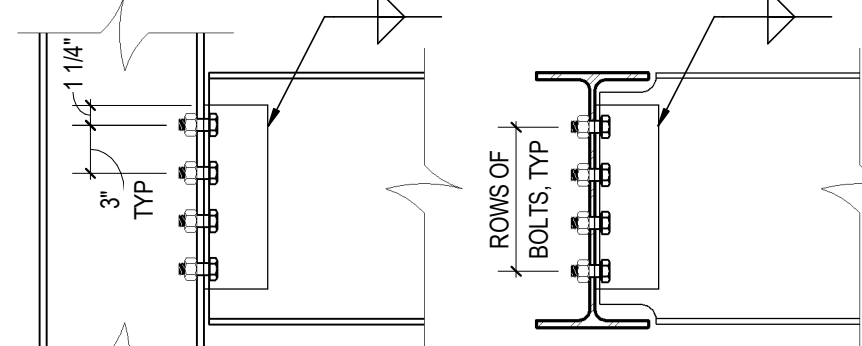
Project Location: 1025 Town Street
Prentice, WI 54556

EXTERIOR ELEVATIONS

BID PACKAGE 3

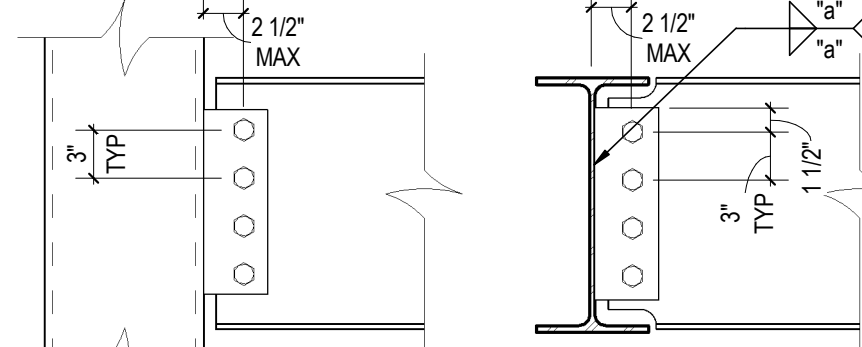
Project Title:		Project Local:		Sheet Title:	
HSR Project Number:					
18022					
Project Date:					
OCTOBER 19, 2018					
Drawn By:					
Author					
Key Plan:					
Revisions:					
No.	Description				Date
2	ADD 2				11-02-18
3	ADD 3				11-07-18
Graphic Scale:					
VARIES					
Last Update:					
11/7/2018 8:53:17 AM					
A201R					
BID PACKAGE 3 ADDENDUM 3					

DOUBLE ANGLE CONNECTION SCHEDULE		
BEAM SIZE	ROWS OF BOLTS	REMARKS
WB, W10	2	
W12, W14	3	
W16	4	
W18	5	
W21, W24	6	
W27	7	
W30, W33	8	

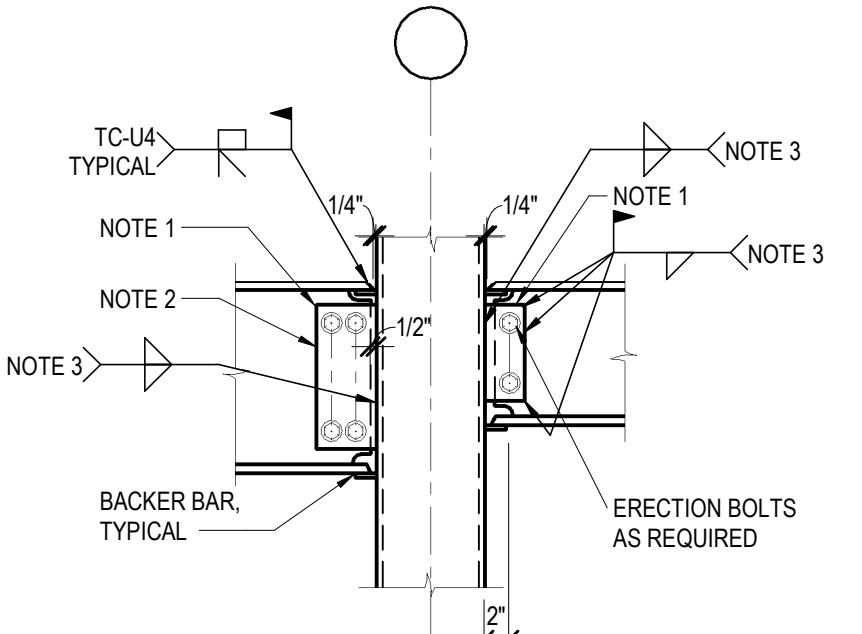


- DOUBLE ANGLE CONNECTION NOTES:**
- ALL BOLTS TO BE 3/4" DIA A325.
 - ANGLE LEGS TO BE A MIN OF 5/16" THICK.
 - SEE PLAN FOR COLUMN ORIENTATION.
 - CONNECTIONS SHOWN ARE MINIMUM CONNECTIONS UNLESS NOTED OTHERWISE.
 - CONNECTION ANGLES SHALL BE 36 ksi MINIMUM.
 - ALL STEEL EXPOSED TO EXTERIOR CONDITIONS SHALL BE GALVANIZED.
 - ALL STANDARD DOUBLE ANGLE CONNECTION SHALL BE IN ACCORDANCE WITH AISC STEEL CONSTRUCTION MANUAL, 13th EDITION & SHALL BE TYPE 2 FRAMING, UNO.

SINGLE PLATE SHEAR CONNECTION SCHEDULE			
BEAM SIZE	ROWS OF BOLTS	PLATE THICKNESS	WELD SIZE (a)
WB, W10	2	3/8"	5/16"
W12, W14	3	3/8"	5/16"
W16	4	3/8"	5/16"
W18	5	3/8"	5/16"
W21, W24	6	3/8"	5/16"
W27	7	3/8"	5/16"
W30, W33	8	3/8"	5/16"



- SINGLE PLATE SHEAR CONNECTION NOTES:**
- ALL BOLTS TO BE 3/4" DIA A325.
 - CONNECTIONS SHOWN ARE MINIMUM CONNECTIONS UNLESS NOTED OTHERWISE.
 - ALL STEEL EXPOSED TO EXTERIOR CONDITIONS SHALL BE GALVANIZED.



- NOTES:**
- SHEAR PLATE ON ONE SIDE ONLY. SIZE AS REQUIRED. OFFSET PLATE SO CENTERLINE OF BEAM AND CENTERLINE OF COLUMN COINCIDE, UNLESS NOTED OTHERWISE.
 - FRICTION TYPE BOLTS. SIZE AND QUANTITY AS REQUIRED TO TRANSFER SHEAR. PROVIDE CLASS "A" FRICTION FINISH AT CONNECTING SURFACES. SHORT SLOTTED HOLES ARE PERMITTED IN SHEAR PLATE ONLY. ALL OPEN HOLES TO BE FILLED WITH BOLTS.
 - SIZE WELD TO TRANSFER SHEAR INCLUDING EFFECT OF ECCENTRICITY.
 - WHERE MOMENT CONNECTION OCCURS ON ONE FLANGE ONLY, PROVIDE DOUBLER PLATE IF REQUIRED.
 - REFER TO PLAN & DESIGN CRITERIA FOR LOADS TO BE DESIGNED FOR.

TYPICAL BEAM TO COLUMN MOMENT CONNECTIONS

SCALE: 3/4" = 1'-0"

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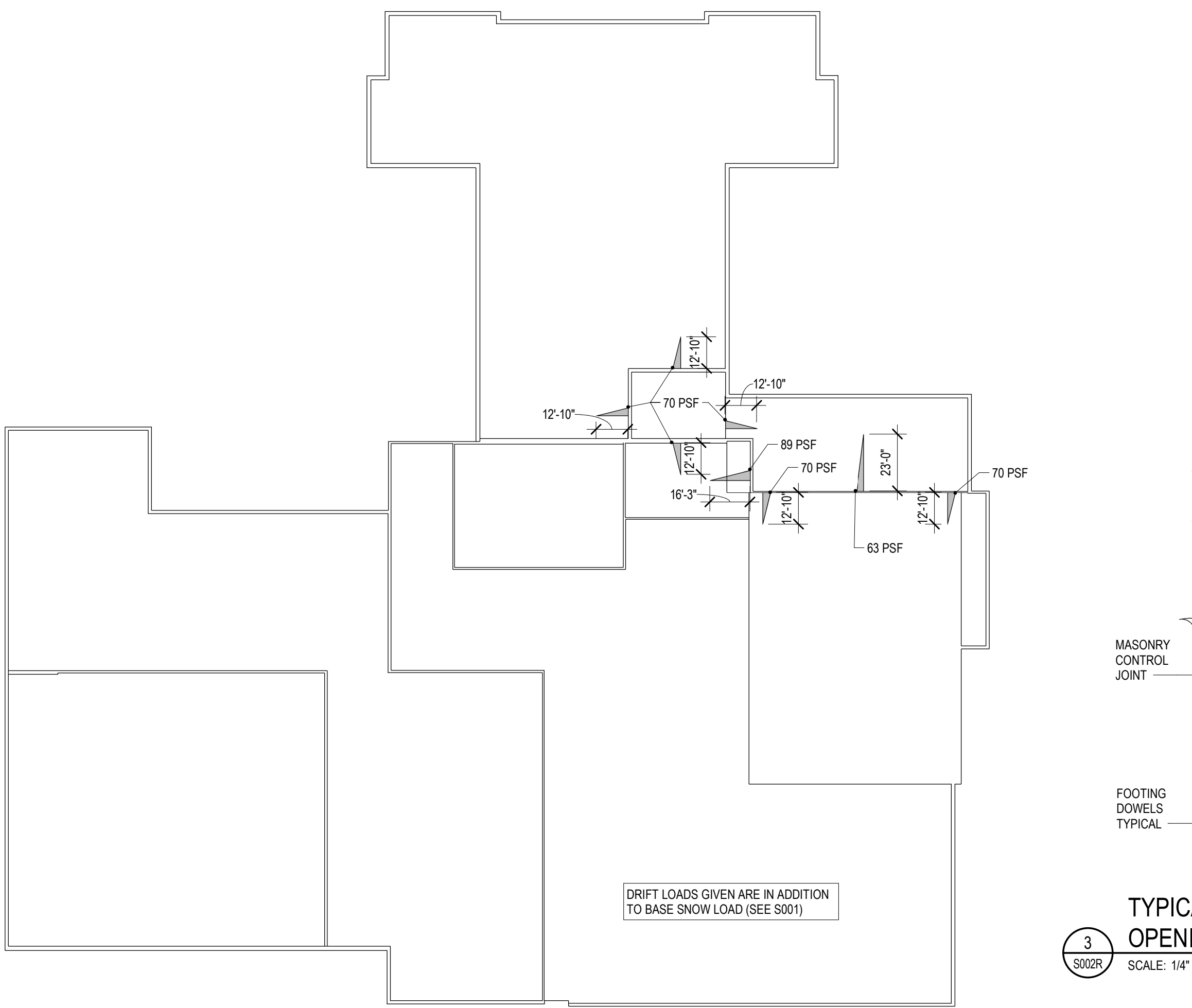
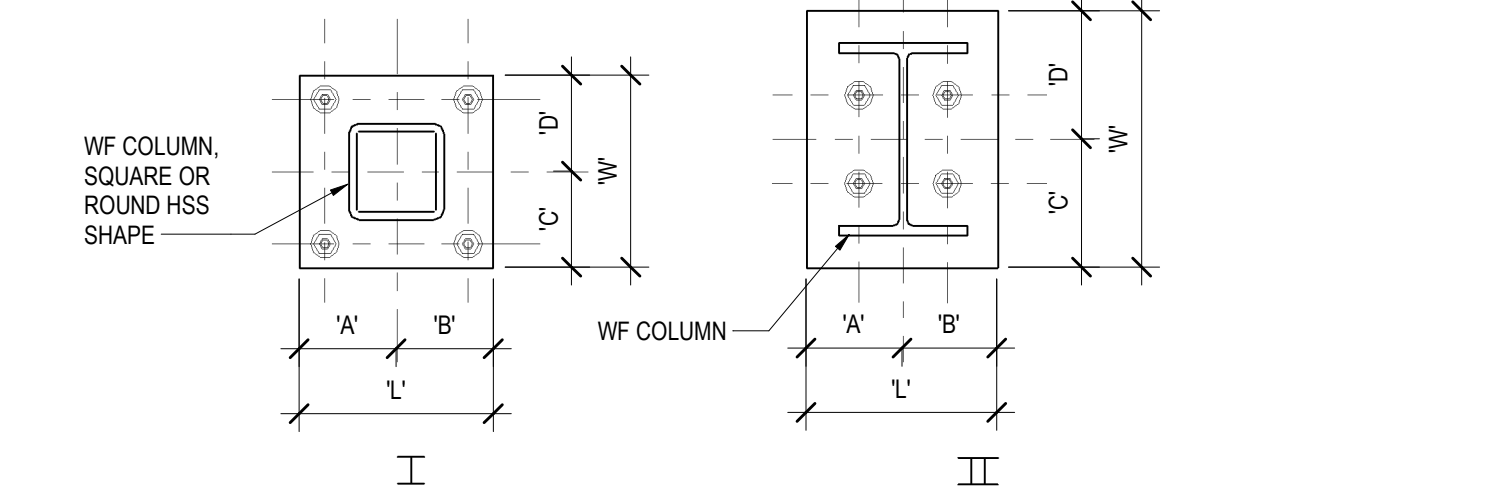
COLUMN SCHEDULE							
EL=126'-2 1/2"							ROOF FRAMING EL=114'-2 1/2"
ROOF FRAMING EL=114'-2 1/2"							ROOF FRAMING EL=114'-2 1/2"
FOUNDATION PLAN EL=100'-0"							FOUNDATION PLAN EL=100'-0"
	Column Locations	A-1, A-3, F-1, F-3	B-2, E-2	C-2, C-3, C-4, C-5, C-6, C-7, D-2, D-3, D-4, D-5, D-6	D-1-7.1, E-2-7.1	D-1-7.3, D-1-7.7, F-7.4, F-7.7	F-6.9 F-7.1
Base Plate		BP1	BP1	BP1	BP1	BP1	BP1

- COLUMN SCHEDULE NOTES**
- FASTEN STEEL COLUMN TO TOP OF CONCRETE USING ANCHOR RODS OF SIZE INDICATED WITH DOUBLE NUTS. BASE PLATE SETTING WASHERS AND GROUT THICKNESS AS DESCRIBED IN DETAILS ON THIS SHEET.
 - UNLESS NOTED OTHERWISE, BASECAP PLATES ARE ITEMIZED IN THE FOLLOWING ORDER: THICKNESS x WIDTH PERPENDICULAR TO WEB x LENGTH PARALLEL TO WEB.
 - UNLESS NOTED OTHERWISE, ANCHOR ROD SPACING IS ITEMIZED IN THE FOLLOWING ORDER: DISTANCE BETWEEN RODS PARALLEL TO WEB; DISTANCE BETWEEN RODS PERPENDICULAR TO WEB.
 - ALL 3/4" DIAMETER ANCHOR RODS ARE TO MEET ASTM F1554, GRADE 36 AND ALL 1" DIAMETER ANCHOR RODS ARE TO MEET ASTM F1554 GRADE 55 (S1 SUPPLEMENT WELDABLE)

BASE PLATE SCHEDULE							
MARK	SIZE " x W x L"	ANCHOR RODS	BASE PLATE TYPE	DIMENSIONS			
				A	B	C	D
BP1	3/4"x11"x11"	(4) 3/4" A325 DIA	I	5 1/2"	5 1/2"	5 1/2"	5 1/2"
BP2	3/4"x8"x9"	(4) 3/4"x6" SIMPSON TITEN HD	I	4 1/2"	4 1/2"	4 1/2"	4 1/2"
BP3	1 1/4"x11"x11"	(4) 3/4" A325 DIA	I	5 1/2"	5 1/2"	5 1/2"	5 1/2"

- BASE PLATE NOTES:**
- FASTEN STEEL COLUMN TO TOP OF CONCRETE USING (4) F1554 (36) (55) (105) ANCHOR RODS OF SIZE INDICATED WITH DOUBLE NUTS AT COLUMN BASE PLATE. AND 1 1/2" GROUT AT 3/4" DIAMETER ANCHOR RODS AND 2" GROUT AT 1" DIAMETER ANCHOR RODS. SET ANCHOR RODS WITH 6" PROJECTION.

BASE PLATE TYPES:



SNOW DRIFT PLAN

SCALE: 1" = 40'-0"

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MISCELLANEOUS LINTEL SCHEDULE			(SEE NOTE 1)
WALL THICKNESS	CLEAR MASONRY OPENING WIDTH	SECTION	
ALL	AT FIRE EXTINGUISHER CABINETS AND DRINKING FOUNDATIONS	1/4" PL	---
4"	UP TO 4'-0"	L3 1/2x3 1/2x3/8	L
4"	UP TO 8'-0" (SEE NOTE 9)	L5x3 1/2x3/8	L
8"	UP TO 5'-0"	(2) L3 1/2x3 1/2x1/4	JL
8"	UP TO 7'-0"	(2) L4x3 1/2x5/16 LLV	JL
8"	UP TO 9'-0"	WT 7 x 15	JL
8"	UP TO 4'-0"	8" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT	
8"	UP TO 8'-0"	16" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT	
12"	UP TO 4'-0"	8" HIGH x 12" WIDE BOND BEAM w/ (2) #5 x CONT	

8"1/2" EXISTING CMU	UP TO 4'-0"	(2) L3 1/2x3 1/2x3/8 (1) EACH SIDE OF OPENING	
8"1/2" EXISTING CMU	UP TO 8'-0"	(2) L5x3 1/2x3/8 (LLV) (1) EACH SIDE OF OPENING	

- LINTEL NOTES:**
- LINTELS CALLED OUT IN THIS SCHEDULE ARE FOR NON-LOAD BEARING MASONRY WALLS AND FOR LOAD BEARING WALLS WHERE LOAD IS INTRODUCED ABOVE THE LINTEL AT A DISTANCE GREATER THAN THE LINTEL SPAN.
 - PROVIDE MINIMUM 8" BEARING AT EACH END OF LINTEL.
 - CENTER LINTELS IN WALL UNLESS NOTED OTHERWISE.
 - BOTTOM PLATES UNDER WIDE FLANGE SHAPES SHALL BE EXTENDED TO THE FULL LENGTH OF LINTEL.
 - WELD LINTEL COMPONENTS INTO SINGLE UNIT.
 - NO LINTELS REQUIRED FOR 4" AND 8" NON-LOAD BEARING MASONRY WALLS WHERE GROUTED HOLLOW METAL FRAMES HAVE A HEADSPAN OF 4'-0" OR LESS.
 - PROVIDE THESE LINTELS WHERE OTHER LINTELS ARE NOT SPECIFICALLY DETAILED.
 - GROUT BLOCK CORES SOLID MINIMUM (3) COURSES BELOW LINTEL BEARING.
 - FOR BRICK/PRECAST VENEER SUPPORT AT OPENINGS LARGER THAN 8'-0", AND AREAS WHERE BRICK/PRECAST VENEER DOES NOT BEAR ON VENEER BELOW. SEE DETAIL 18/S810

TYPICAL CMU REINFORCEMENT AT OPENINGS

SCALE: 1/4" = 1'-0"

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S002R

MASONRY PIER SCHEDULE				
MARK	PIER DIMENSIONS	PIER TYPE	REINFORCEMENT VERTICAL	TIES
MP1	8" x 16"	III	(4) #6	#3 @ 8"
MP2	8" x 8"	IV	(4) #4	#3 @ 8"

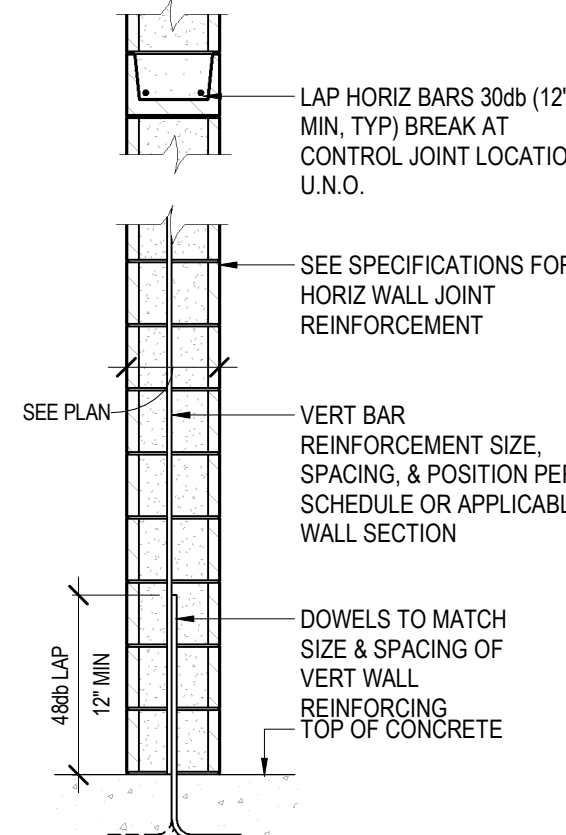
- NOTES:**
- PIER TYPES

- 2) PIERS TO BE CENTERED ON BUILDING GRID LINE(S), UNLESS NOTED OTHERWISE.

- 3) #3 TIES TO BE PROVIDED BY REINFORCEMENT SUPPLIER. #9 GA TIES TO BE PROVIDED BY MASONRY CONTRACTOR. TIES TO BE LOCATED IN MORTAR AND SIZED TO MAINTAIN 3/4" COVER TO OUTSIDE FACE OF MASONRY. DETAIL TIES TO AVOID "STACKING" OF TIE BARS MAKING UP THE CONFIGURATION.

- 4) POSITION VERTICAL BARS TO MAINTAIN 1/2" CLEAR TO INSIDE FACE OF MASONRY SURFACE.

- 5) WHERE NEW PIER IS TO BE INSTALLED ON EXISTING FOUNDATION WALL, PROVIDE (1) #6 BAR EPOXIED INTO FOUNDATION WALL w/ 1'-0" EMBEDMENT FOR EACH VERTICAL REINFORCEMENT BAR REQUIRED IN SCHEDULE.



TYP REINFORCED CMU WALL CONSTRUCTION

SCALE: 1/2" = 1'-0"

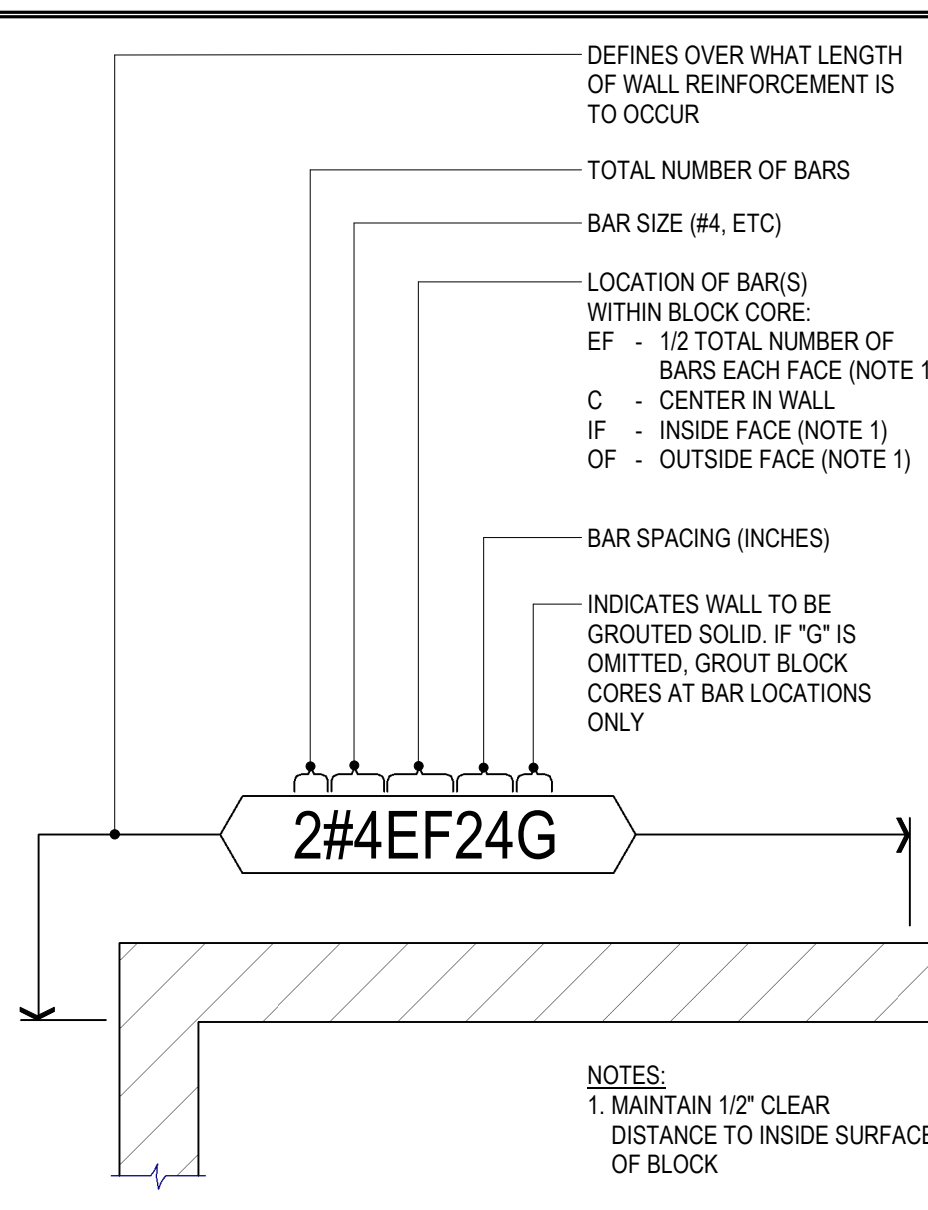
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- NOTES:**
- JAMB REINFORCEMENT PER LINTEL SCHEDULE OR LINTEL DETAILS
 - REINFORCEMENT PER LINTEL SCHEDULE OR LINTEL DETAILS
 - (1) #5 SILL BAR EXTEND 2'-0" PAST OPENING
 - (1) #4 EACH SIDE OF OPENING UNLESS NOTED OTHERWISE EXTEND 2'-0" PAST OPENING
 - WHEN "W" IS LESS THAN 2'-0" AT 8" CMU WALL AND 3'-0" AT 12" CMU WALLS, ADD 1/4" CLOSED TIE SETS AT 6" OC
 - REINFORCE VERTICAL CELLS AT EDGE OF WALL AND ADJACENT TO CONTROL JOINTS

LINTEL SCHEDULE				
LINTEL MARK	DESCRIPTION	SECTION	END BEARING PLATES	REMARKS
L1	16" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT		N/A	2,7,8,9
L2	24" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT		N/A	2,7,8,9
L3	40" HIGH x 8" WIDE BOND BEAM w/ (2) #5 x CONT		N/A	2,7,8,9,10
L4	NOT USED			
L5	W8x15 W BOTTOM PL 3/8"x11 1/2"		PL 3/8"x7x0'-8" W/(2) 1/2" DIA x 6" LONG HWS	1-6
L6	NOT USED			
L7	W16x31 W BOTTOM PL 3/8"x7 1/2"		PL 3/8"x7x0'-8" W/(2) 1/2" DIA x 6" LONG HWS	1-6,10
L8	W16x45 W BOTTOM PL 3/8"x7 1/2"		PL 3/8"x7x0'-8" W/(2) 1/2" DIA x 6" LONG HWS	1-6,10
L9	W24x82 W BOTTOM PL 3/8"x11 1/2"		PL 3/8"x7x0'-8" W/(2) 1/2" DIA x 6" LONG HWS	1-6,10
L10	NOT USED			
L11	W8x21 W BOTTOM PL 3/8"x11 1/2"		PL 3/8"x7x0'-8" W/(2) 1/2" DIA x 6" LONG HWS	1-6
L12	W16x50 W BOTTOM PL 3/8"x11-5 1/2" & VERTICAL PL 3/8x6xCONT.		PL 3/8"x7x0'-8" W/(2) 1/2" DIA x 6" LONG HWS	1-6,10
L13	W8x21 W BOTTOM PL 3/8"x11 1/2"		PL 3/8"x7x0'-8" W/(2) 1/2" DIA x 6" LONG HWS	1-6

- NOTES:**
- REFERENCE DETAIL 11/S810 FOR TYPICAL LINTEL BEARING REQUIREMENTS.
 - TYPICAL NOTES THAT APPLY UNLESS NOTED OTHERWISE.
 - PROVIDE MINIMUM 8" BEARING AT EACH END OF LINTEL
 - CENTER LINTELS IN WALL UNLESS NOTED OTHERWISE
 - BOTTOM PLATES WHERE CALLED FOR SHALL EXTEND FULL LENGTH OF LINTEL
 - REFERENCE DETAIL 2/S002 & 3/S002 FOR TYPICAL CMU WALL OPENING REINFORCEMENT REQUIREMENTS
 - REFERENCE DETAILS 8 & 9/S810 FOR TYPICAL CMU CONTROL JOINT REQUIREMENTS
 - NOTCH FACE SHELL AS REQUIRED TO PLACE CMU.
 - PROVIDE 1/2" DIA x 6" LONG HEADED WELDED STUDS (HWS) AT 24" OC ON TOP OF LINTEL. GROUT CMU CORE SOLID 8" MIN) ABOVE TOP OF LINTEL AT HWS LOCATIONS.
 - PROVIDE ADJUSTABLE MASONRY ANCHORS AT 16" OC EACH SIDE OF WEB.
 - ALL LINTELS (INCLUDING BOTTOM PLATES) TO BE HOT-DIPPED GALVANIZED.
 - WIDTH OF BOND BEAM TO MATCH WIDTH OF WALL.
 - PROVIDE 1" BOTTOM CLEAR COVER.
 - SEE MISCELLANEOUS LINTEL SCHEDULE FOR BRICK SUPPORT IN FRONT OF CMU LINTELS.
 - SOLID GROUT JAMB DOWN TO FOUNDATION SUPPORT FOR BEARINGS OF THIS LINTEL.

MASONRY WALL VERTICAL REINFORCEMENT LEGEND



2#4EF24G

NOTES:
1. MAINTAIN 1/2" CLEAR DISTANCE TO INSIDE SURFACE OF BLOCK

ARCHITECTURE ENGINEERING INTERIOR DESIGN



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Consultant:
raSmith
CREATIVITY BEYOND ENGINEERING
project number: 1180371

Contractors are responsible for the means, methods, techniques, equipment and procedures of construction including, but not limited to, temporary supports, shoring, bracing to support imposed loads and other similar items.

**PRENTICE SCHOOL DISTRICT
ADDITION AND REMODELING**
Project Location: 1025 Town Street
Prentice, WI 54556
Sheet Title: **STRUCTURAL SCHEDULES**

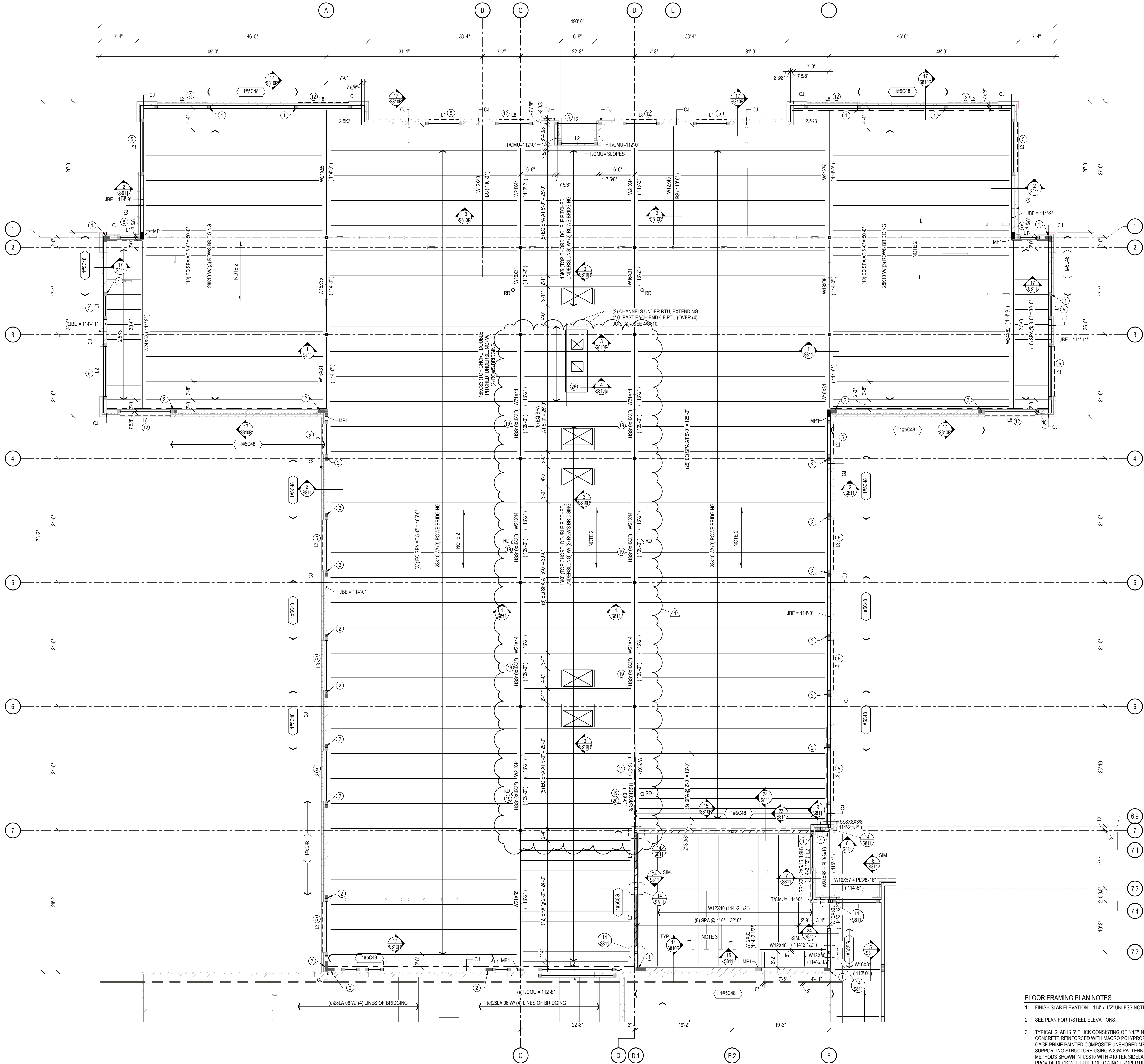
Project Title: **PRENTICE SCHOOL DISTRICT
ADDITION AND REMODELING**
HSR Project Number: **18022**
Project Date: **OCTOBER 19, 2018**
Drawn By: **raSmith**
Key Plan:

Revisions:		
No.	Description	Date
BP3		10/19/18
4	BP3 ADD3	11/6/18

Graphic Scale: **VARIES**
Last Update: **11/6/2018 3:54:50 PM**

S002R

BID PACKAGE 3



FLOOR FRAMING PLAN NOTES

- FINISH SLAB ELEVATION = 114'-7 1/2" UNLESS NOTED OTHERWISE.
- SEE PLAN FOR T/STEEL ELEVATIONS.
- TYPICAL SLAB IS 5" THICK CONSISTING OF 3 1/2" NORMAL WEIGHT (145 PCF) CONCRETE REINFORCED WITH MACRO POLYPROPYLENE FIBERS ON 1 1/2" 20 GAGE PRIME PAINTED COMPOSITE UNSHORED METAL DECK FASTENED TO SUPPORTING STRUCTURE USING A 3/4" PATTERN OF ANY OF THE ATTACHMENT METHODS SHOWN IN 11S810 WITH #10 TEK SIDELAP FASTENERS AT 18" O.C. PROVIDE DECK WITH THE FOLLOWING PROPERTIES:
THICK = 0.0235 in $I_y = 0.186 \text{ in}^4$ $S_y = 0.224 \text{ in}^3$
 $F_y = 50 \text{ ksi}$ $I_x = 0.222 \text{ in}^4$ $S_x = 0.231 \text{ in}^3$
- VERIFY ALL OPENING DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS PRIOR TO STEEL FABRICATION.
- SEE S002 FOR COLUMN SCHEDULE.
- BRACE TOP OF NON-LOAD BEARING CMU WALLS IN ACCORDANCE WITH DETAIL 11S810 & 12S810.
- ALL 8" CMU WALLS SHALL BE REINFORCED WITH (1) #5 VERTICAL (FULL WALL HEIGHT GROUTED) AT 48" O.C. UNLESS NOTED OTHERWISE ON PLAN.

STRUCTURAL STEEL LEGEND

- INDICATES BEAM FRAMING OVER OR THRU HSS OR WF COLUMN
- INDICATES BEAM FRAMING INTO SIDE OF HSS OR WF COLUMN
- COLUMN MARK / COLUMN SIZE
- INDICATES BEAM-TO-COLUMN MOMENT FRAME CONNECTION TOP OF STEEL ELEVATION SHOP CAMBER
- FIELD APPLIED SHEAR STUDS BETWEEN BEAM ENDS AND/OR CONCENTRATED LOADS
- BEAM DESIGNATION
- JOIST GIRDER DESIGNATION
- INDICATED LOCATION OF BEAM SPLICE
- INDICATES EXISTING BEAM / JOIST FRAMING INTO SIDE OF NEW GIRDER
- INDICATES BEAM / JOIST FRAMING INTO SIDE OF GIRDER
- INDICATES BEAM / JOIST FRAMING OVER GIRDER
- INDICATES MOMENT CONNECTION BETWEEN BEAMS ACROSS GIRDER IN SAME HORIZONTAL PLANE
- MEMBER SIZES OR MARKS WITH A PREFIX OF "E" ARE EXISTING ELEMENTS

1 ROOF & PENTHOUSE FLOOR FRAMING - UNIT C

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

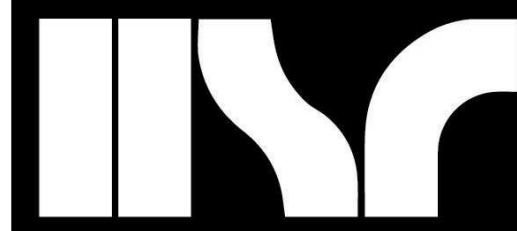
ROOF FRAMING PLAN NOTES

- TOP OF BASE STEEL (JOIST BEARING) ELEVATION = (XXX)'X".
- ROOF DECKING SHALL BE 1 1/2" x 20GA WIDE RIB PRIME PAINTED METAL ROOF DECK FASTENED TO SUPPORTING STRUCTURE USING 3/4" PATTERN OF ANY OF THE ATTACHMENT METHODS SHOWN IN DETAIL 11S810 WITH #10 TEK SIDELAP FASTENERS AT 18" O.C. PROVIDE DECK WITH THE FOLLOWING PROPERTIES:
THICK = 0.0235 in $I_y = 0.201 \text{ in}^4$ $S_y = 0.234 \text{ in}^3$
 $F_y = 33 \text{ ksi}$ $I_x = 0.222 \text{ in}^4$ $S_x = 0.247 \text{ in}^3$
INSTALL DECK UNDER 3 OR MORE SPAN CONDITIONS.
- ROOF DECKING SHALL BE 1 1/2" x 20GA WIDE RIB ACOUSTIC PRIME PAINTED METAL ROOF DECK FASTENED TO SUPPORTING STRUCTURE USING 3/4" PATTERN OF ANY OF THE ATTACHMENT METHODS SHOWN IN DETAIL 11S810 WITH #10 TEK SIDELAP FASTENERS AT 18" O.C. PROVIDE DECK WITH THE FOLLOWING PROPERTIES:
THICK = 0.0235 in $I_y = 0.201 \text{ in}^4$ $S_y = 0.234 \text{ in}^3$
 $F_y = 33 \text{ ksi}$ $I_x = 0.222 \text{ in}^4$ $S_x = 0.247 \text{ in}^3$
INSTALL DECK UNDER 3 OR MORE SPAN CONDITIONS.
- PROVIDE 8" HIGH BOND BEAM WITH (2) #4 CONTINUOUS AT AND ADJACENT TO JOIST BEARING ELEVATIONS UNLESS NOTED OTHERWISE. WHERE JOIST BEARING IS NOT AT COURSE, PROVIDE PARTIAL HEIGHT BLOCK GROUTED SOLID TO TOP OF BOND BEAM. WIDTH OF BOND BEAM TO MATCH WALL THICKNESS AND IS TO RUN CONTINUOUS THROUGH CONTROL JOINTS. PROVIDE CORNER BARS WHERE THEY OCCUR AND LAP ALL BOND BEAM STEPS A MINIMUM OF 24".
- JOIST SUPPLIER TO PROVIDE CONTINUOUS TOP AND BOTTOM CHORD HORIZONTAL ANGLE BRIDGING AS REQUIRED. PROVIDE DIAGONAL X-BRIDGING WHERE INDICATED.
- PROVIDE ANGLE FRAME SUPPORT AT ALL ROOF OPENINGS IN ACCORDANCE WITH DETAIL 3S810.
- REFER TO SHEET S002 FOR COLUMN SCHEDULE.
- BRACE TOP OF NON-LOAD BEARING CMU WALLS IN ACCORDANCE WITH DETAILS 11S810 & 12S810.
- ALL 8" CMU WALLS SHALL BE REINFORCED WITH (1) #5 VERTICAL (FULL WALL HEIGHT GROUTED) AT 48" O.C. UNLESS NOTED OTHERWISE ON PLAN.

ROOF FRAMING KEY NOTES

- SEE 8AS810 FOR REINFORCING AT BOUNDARY ELEMENTS OF THIS WALL SEGMENT
- SEE 8BS810 FOR REINFORCING AT BOUNDARY ELEMENTS OF THIS WALL SEGMENT
- SEE 8CS810 FOR REINFORCING AT BOUNDARY ELEMENTS OF THIS WALL SEGMENT
- SHEAR TAB CONNECTION TO W24
- REFER TO DETAIL 18S810 FOR VENEER LINTEL
- COLUMN (SEE PLAN) UP TO BOTTOM OF LINTEL
- JOISTS SELECTED BASED ON FULL DRIFT FOR FULL LENGTH (SL = 116 PSF)
- VERIFY EXISTING FRAMING CONSTRAINTS AND DIMENSIONS IN FIELD BEFORE JOIST FABRICATION
- 58" PLYWOOD OVER 10" CFMF FLOOR JOISTS AT 16" O.C. FINAL MEZZANINE DESIGN BY CFMF SUPPLIER. 125 PSF LIVE LOAD. FINISH FLOOR ELEV = 108'-9 1/4"
- HEADER BY CFMF DESIGNER CAPABLE OF TRANSFERRING WIND LOAD AROUND OPENING
- BEAM RUNS AT A SKEW (2" SKEW OVER 24'-11" COLUMN TO COLUMN LENGTH). EXTEND JOIST SEATS AS NECESSARY TO MEET MINIMUM BEARING REQUIREMENTS
- REFER TO DETAIL 16S811 FOR VENEER LINTEL
- FOLDING PARTITION. SEE ARCHITECTURAL PLANS. STRUCTURAL BASIS OF DESIGN IS HUFOR ESI SERIES (10 PSF WEIGHT OR LESS)
- FOLDING GLASS PARTITION. SEE ARCHITECTURAL PLANS. STRUCTURAL BASIS OF DESIGN IS HUFOR ESI SERIES GAT (10 PSF WEIGHT OR LESS)
- MINIMIZE DEMO OF EXISTING ELEMENTS REQUIRED FOR INSTALLATION OF NEW FRAMING AND FOUNDATIONS
- STOP MOMENT FRAME BEAM AT FACE OF MASONRY WALL (LEAVE 1/2" GAP).
- SEE 22S811 FOR BEAM PASSING OVER COLUMN DETAIL
- SEE 1S002 FOR TYPICAL BEAM TO COLUMN MOMENT CONNECTION DETAIL
- BASIS OF DESIGN IS NANAWALL SL45. ATTACHMENT TO BEAM BY PARTITION SUPPLIER. VERIFY STEEL HEIGHT WITH ARCHITECT AND PARTITION SUPPLIER
- BEAM RUNS AT A SKEW (2" SKEW OVER 24'-11" COLUMN TO COLUMN LENGTH). PARTITION RUNS STRAIGHT ALONG GRID D. VERIFY ATTACHMENT POINTS ALONG HSS IN FIELD.
- KITCHEN HOOD BELOW. APPROXIMATE WEIGHT = 1400#. VERIFY WEIGHT, SIZE AND LOCATION WITH SUPPLIER.
- ROOF TOP UNIT. APPROXIMATE WEIGHT = 800#. VERIFY WEIGHT, SIZE AND LOCATION WITH SUPPLIER.
- ROOF TOP UNIT. APPROXIMATE WEIGHT = 3300#. VERIFY WEIGHT, SIZE AND LOCATION WITH SUPPLIER.
- ROOF TOP UNIT. APPROXIMATE WEIGHT = 3100#. VERIFY WEIGHT, SIZE AND LOCATION WITH SUPPLIER.
- ROOF TOP UNIT. APPROXIMATE WEIGHT = 2500#. VERIFY WEIGHT, SIZE AND LOCATION WITH SUPPLIER.
- ROOF TOP UNIT. APPROXIMATE WEIGHT = 3400#. VERIFY WEIGHT, SIZE AND LOCATION WITH SUPPLIER.

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN



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Consultant:

raSmith
CREATIVITY BEYOND ENGINEERING
project number: 1180371

Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including, but not limited to, temporary supports, shoring, bracing to support imposed loads and other similar items.

PRENTICE SCHOOL DISTRICT
ADDITION AND REMODELING

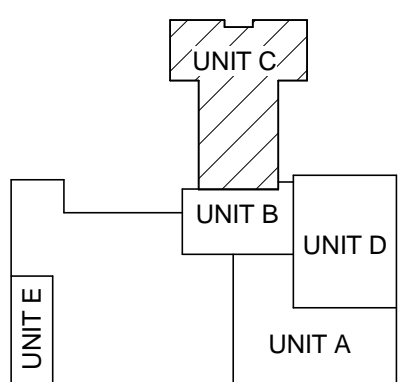
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HSR Project Number:
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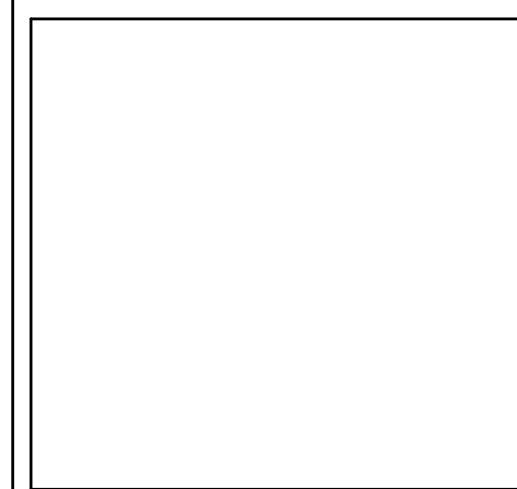
Project Date:
OCTOBER 19, 2018

Drawn By:
raSmith

Key Plan:



KEY PLAN



No.	Description	Date
1	BP3	10/19/18
2	BP3 ADD1	10/25/18
4	BP3 ADD3	11/6/18

Graphic Scale:
0' 2' 4' 6' 12'

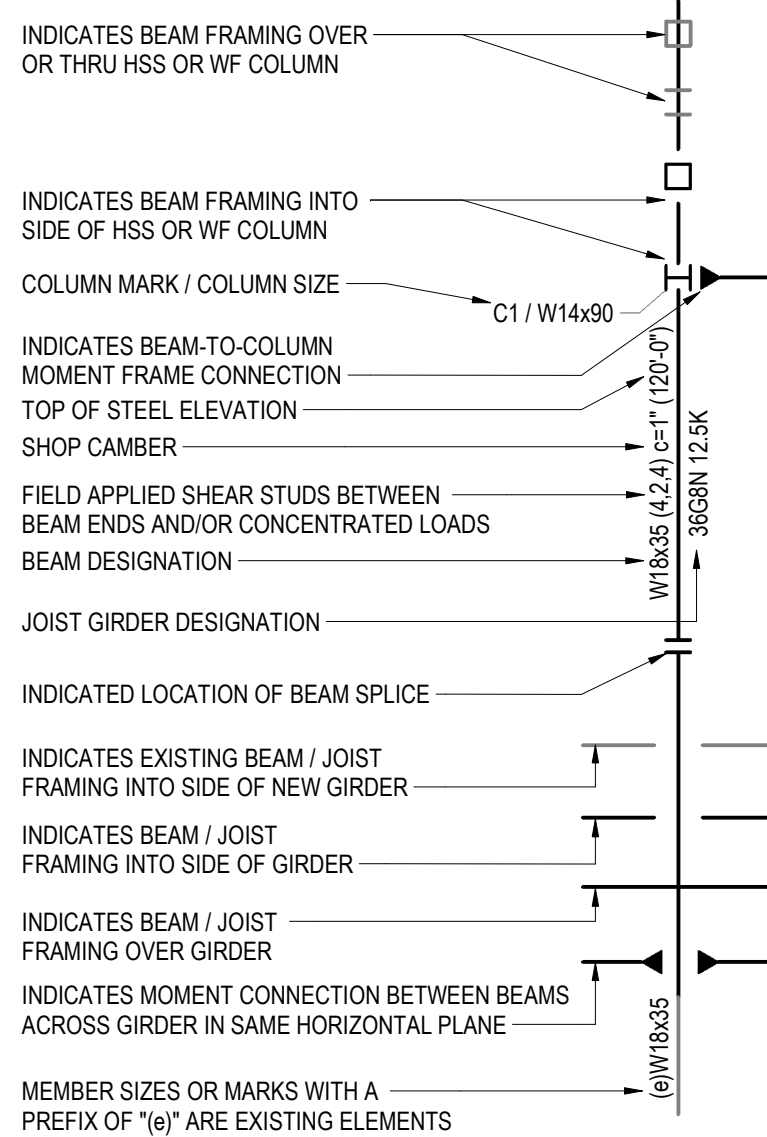
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11/6/2018 3:55:01 PM

S200R

ROOF & PENTHOUSE FLOOR FRAMING - UNIT C

BID PACKAGE 3

STRUCTURAL STEEL LEGEND



ROOF FRAMING KEY NOTES

- SEE 8AS810 FOR REINFORCING AT BOUNDARY ELEMENTS OF THIS WALL SEGMENT
- SEE 8B8810 FOR REINFORCING AT BOUNDARY ELEMENTS OF THIS WALL SEGMENT
- SEE 8CS810 FOR REINFORCING AT BOUNDARY ELEMENTS OF THIS WALL SEGMENT
- SHEAR TAB CONNECTION TO W24
- REFER TO DETAIL 18S810 FOR VENEER LINTEL
- COLUMN (SEE PLAN) UP TO BOTTOM OF LINTEL
- JOISTS SELECTED BASED ON FULL DRIFT FOR FULL LENGTH (SL = 116 PSF)
- VERIFY EXISTING FRAMING CONSTRAINTS AND DIMENSIONS IN FIELD BEFORE JOIST FABRICATION
- 5/8" PLYWOOD OVER 10" CFMF FLOOR JOISTS AT 19" O.C. FINAL MEZZANINE DESIGN BY CFMF SUPPLIER. 125 PSF LIVE LOAD. FINISH FLOOR ELEV = 108'-9 1/4"
- HEADER BY CFMF DESIGNER CAPABLE OF TRANSFERRING WIND LOAD AROUND OPENING
- BEAM RUNS AT A SKEW (3" SKEW OVER 24'-11" COLUMN TO COLUMN LENGTH). EXTEND JOIST SEATS AS NECESSARY TO MEET MINIMUM BEARING REQUIREMENTS
- REFER TO DETAIL 16S811 FOR VENEER LINTEL
- FOLDING PARTITION. SEE ARCHITECTURAL PLANS. STRUCTURAL BASIS OF DESIGN IS HUFCOR E30 SERIES (10 PSF WEIGHT OR LESS)
- FOLDING GLASS PARTITION. SEE ARCHITECTURAL PLANS. STRUCTURAL BASIS OF DESIGN IS HUFCOR SERIES GA1 (10 PSF WEIGHT OR LESS)
- MINIMIZE DEMO OF EXISTING ELEMENTS REQUIRED FOR INSTALLATION OF NEW FRAMING AND FOUNDATIONS
- STOP MOMENT FRAME BEAM AT FACE OF MASONRY WALL (LEAVE 1/2" GAP)
- SEE 22S811 FOR BEAM PASSING OVER COLUMN DETAIL

- SEE 1S002 FOR TYPICAL BEAM TO COLUMN MOMENT CONNECTION DETAIL
- BASIS OF DESIGN IS NANAWALL SL45. ATTACHMENT TO BEAM BY PARTITION SUPPLIER. VERIFY STEEL HEIGHT WITH ARCHITECT AND PARTITION SUPPLIER
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- ROOF TOP UNIT. APPROXIMATE WEIGHT = 3100#. VERIFY WEIGHT, SIZE AND LOCATION WITH SUPPLIER
- ROOF TOP UNIT. APPROXIMATE WEIGHT = 2500#. VERIFY WEIGHT, SIZE AND LOCATION WITH SUPPLIER
- ROOF TOP UNIT. APPROXIMATE WEIGHT = 3400#. VERIFY WEIGHT, SIZE AND LOCATION WITH SUPPLIER

ROOF FRAMING PLAN NOTES

- TOP OF BASE STEEL (JOIST BEARING) ELEVATION = (XXX'-X")
- ROOF DECKING SHALL BE 1 1/2" x 20GA WIDE RIB PRIME PAINTED METAL ROOF DECK FASTENED TO SUPPORTING STRUCTURE USING 36/4 PATTERN OF ANY OF THE ATTACHMENT METHODS SHOWN IN DETAIL 1S810 WITH #10 TEK SIDELAP FASTENERS AT 18" OC. PROVIDE DECK WITH THE FOLLOWING PROPERTIES:
THICK = 0.0358 in
F_y = 33 KSI
I_p = 0.201 in⁴/ft
I_n = 0.222
S_x = 0.234 in³/ft
S_y = 0.247 in³/ft
- INSTALL DECK UNDER 3 OR MORE SPAN CONDITIONS.
- ROOF DECKING SHALL BE 1 1/2" x 20GA WIDE RIB ACOUSTIC PRIME PAINTED METAL ROOF DECK FASTENED TO SUPPORTING STRUCTURE USING 36/4 PATTERN OF ANY OF THE ATTACHMENT METHODS SHOWN IN DETAIL 1S810 WITH #10 TEK SIDELAP FASTENERS AT 18" OC. PROVIDE DECK WITH THE FOLLOWING PROPERTIES:
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- INSTALL DECK UNDER 3 OR MORE SPAN CONDITIONS.
- PROVIDE 8" HIGH BOND BEAM WITH (2) #4 CONTINUOUS AT AND ADJACENT TO JOIST BEARING ELEVATIONS UNLESS NOTED OTHERWISE. WHERE JOIST BEARING IS NOT AT COURSING. PROVIDE PARTIAL HEIGHT BLOCK GROUTED SOLID TO TOP OF BOND BEAM. WIDTH OF BOND BEAM TO MATCH WALL THICKNESS AND IS TO RUN CONTINUOUS THROUGH CONTROL JOINTS. PROVIDE CORNER BARS WHERE THEY OCCUR AND LAP ALL BOND BEAM STEPS A MINIMUM OF 24"
- JOIST SUPPLIER TO PROVIDE CONTINUOUS TOP AND BOTTOM CHORD HORIZONTAL ANGLE BRIDGING AS REQUIRED. PROVIDE DIAGONAL X-BRIDGING WHERE INDICATED.
- PROVIDE ANGLE FRAME SUPPORT AT ALL ROOF OPENINGS IN ACCORDANCE WITH DETAIL 3S810.
- REFER TO SHEET S202 FOR COLUMN SCHEDULE.
- BRACE TOP OF NON-LOAD BEARING CMU WALLS IN ACCORDANCE WITH DETAILS 11S810 & 12S810
- ALL 8" CMU WALLS SHALL BE REINFORCED WITH (1) #6 VERTICAL (FULL WALL HEIGHT GROUTED) AT 48" O.C. UNLESS NOTED OTHERWISE ON PLAN.