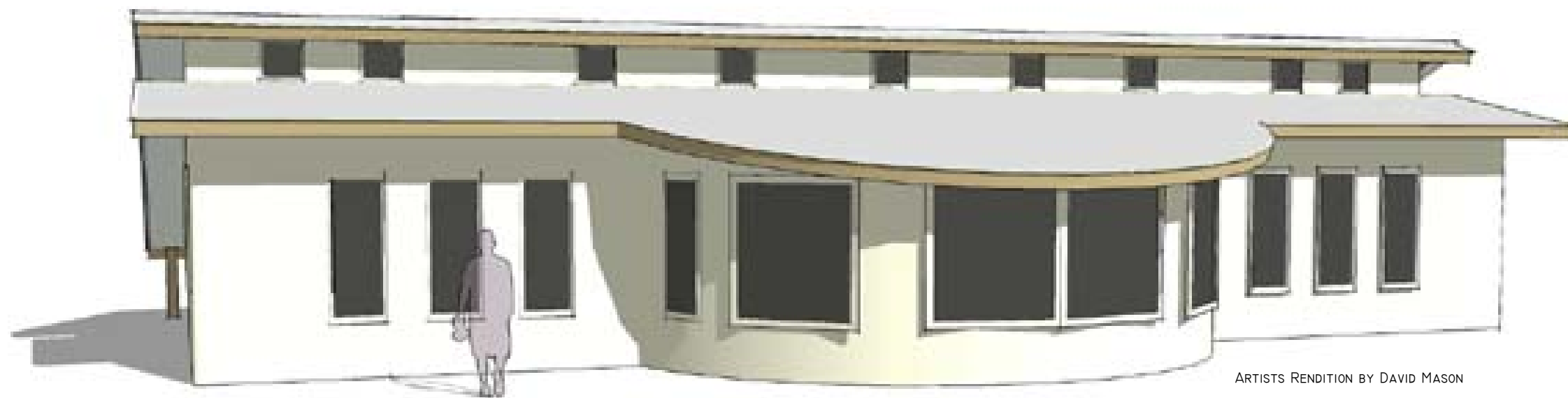


# KINARK SUSTAINABLE CLASSROOM


## DRAWING LIST

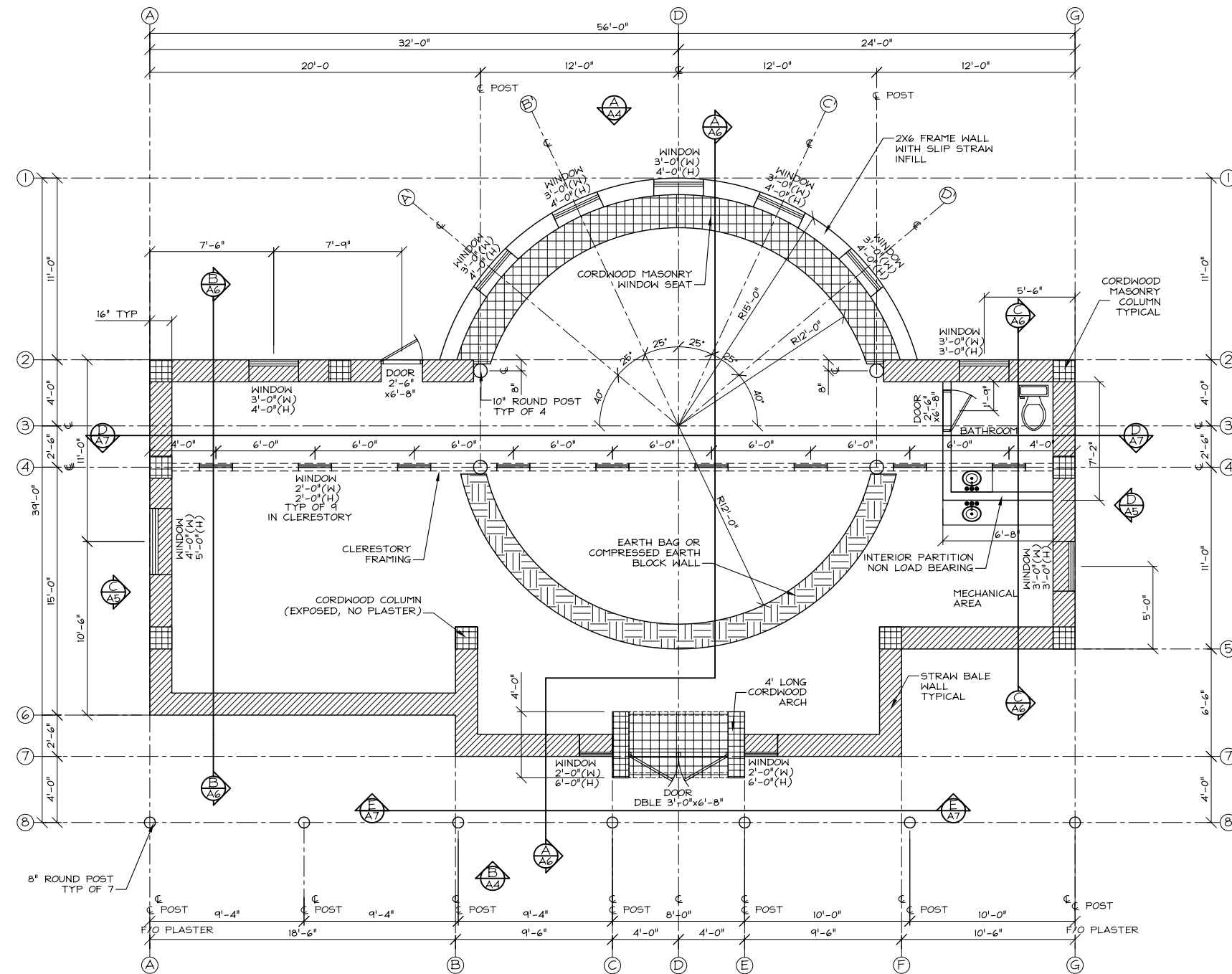
- A1 - COVER SHEET
- A2 - FLOOR PLAN
- A3 - ROOF PLAN
- A4 - ELEVATIONS
- A5 - BUILDING SECTIONS
- A6 - BUILDING SECTIONS
- A7 - WALL SECTIONS
- A8 - BOX BEAM DETAILS
- A9 - WALL OPENING DETAILS
- A10 - WOOD FRAMING DETAILS





ARTISTS RENDITION BY DAVID MASON

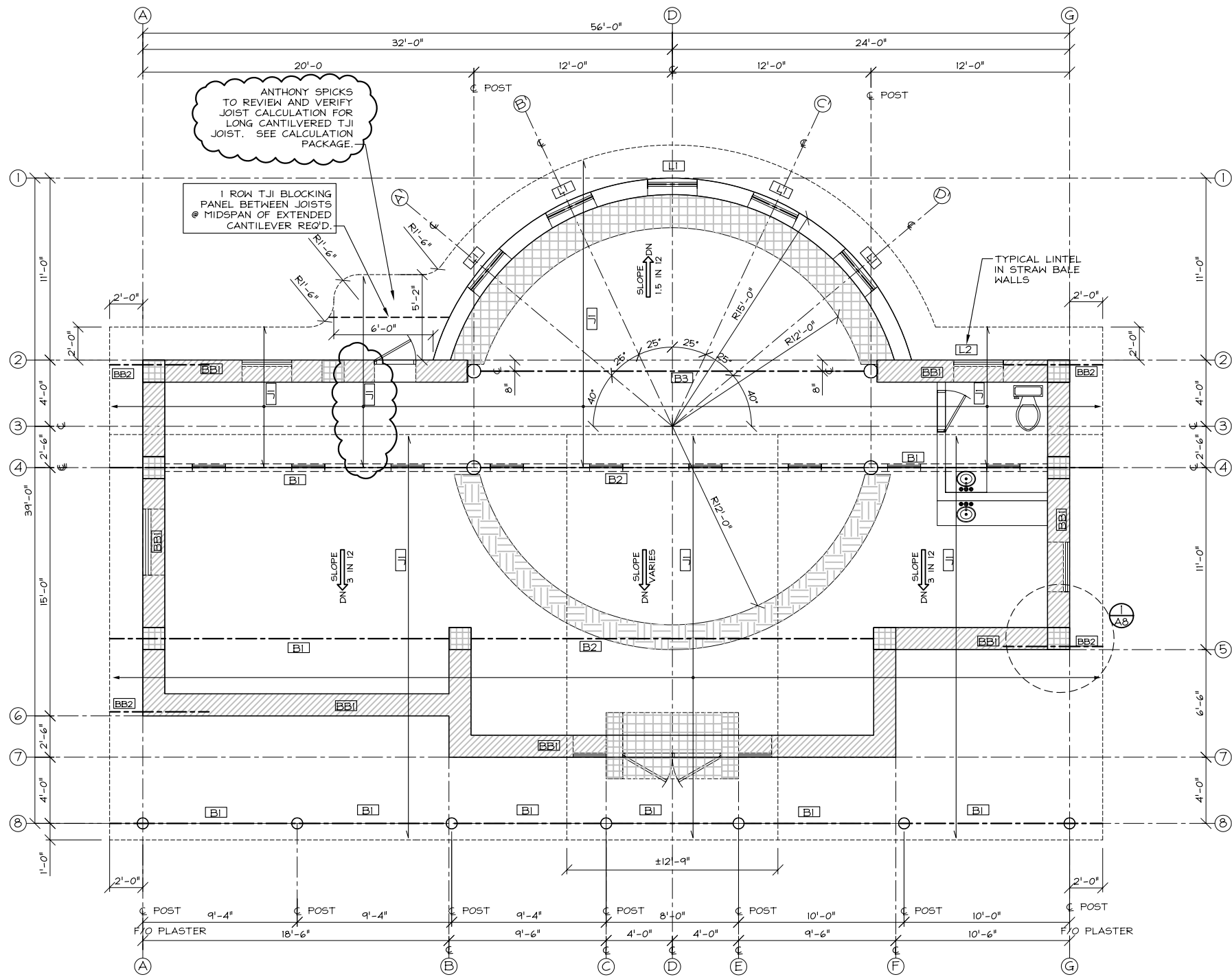


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<b>KINARK SUSTAINABLE CLASSROOM</b> CITY OF THE KAWARTHAS					
DRAWN	DATE	CHECKED	DATE	ORDER NO.	SHEET
CEJ	JAN-27-05			SSFC0601	A1




  
**FLOOR PLAN**  
 SCALE: 1/4"=1'-0" - 34"x22" PLOT  
 SCALE: 1/8"=1'-0" - 11"x17" PLOT

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SSFC0601		A2	

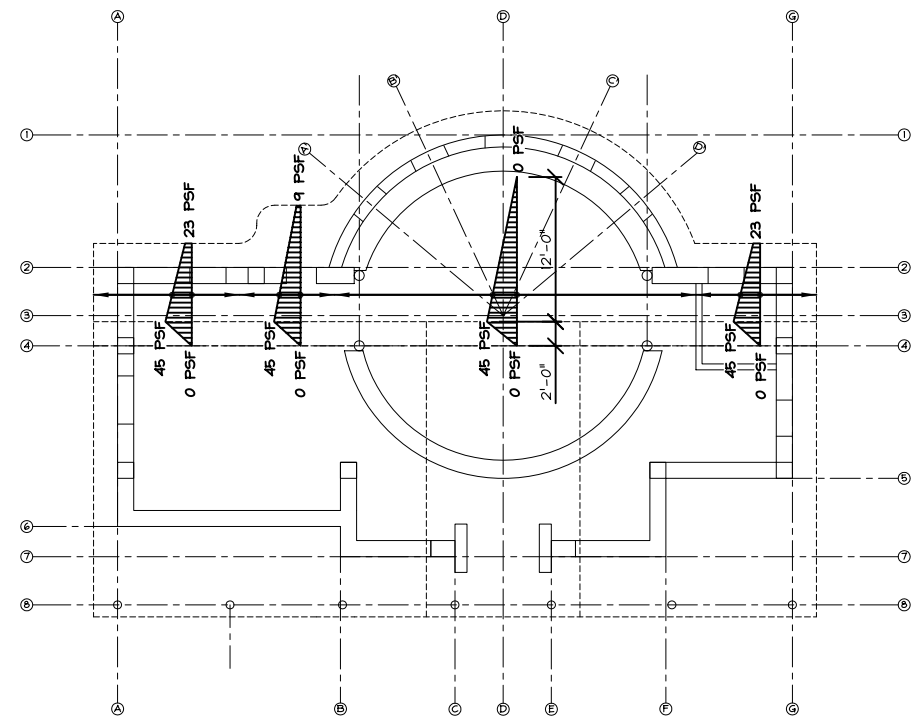


ANTHONY SPICKS TO REVIEW AND VERIFY JOIST CALCULATION FOR LONG CANTILEVERED TJI JOIST. SEE CALCULATION PACKAGE.

ANTHONY SPICKS TO SPECIFY ALTERNATE FRAMING SYSTEM

J#	TYPE	DEPTH	SERIES	SPACING
J1 ALT # 1		14"	?	19.2" O/C
J1 ALT # 2		16"	?	19.2" O/C

BEAM NO.	SIZE/BEAM TYPE	MIN.BRG. REQUIREMENTS	
		CANTILEVER	END
B1	?	?	?
B2	?	NA	?
B3	?	NA	?
B4	?	NA	?



**ROOF SNOW DRIFT KEY PLAN**  
 SCALE: 1/8"=1'-0" - 34"x22" PLOT  
 SCALE: 1/16"=1'-0" - 11"x17" PLOT



**ROOF PLAN**  
 SCALE: 1/4"=1'-0" - 34"x22" PLOT  
 SCALE: 1/8"=1'-0" - 11"x17" PLOT

BEAM NO.	SIZE/BEAM TYPE	PLYWOOD THICKNESS	LADDER SPACING
BB1	2X6 BOX BEAM	5/8"	19.2" O/C
BB2	3 PLY 2X6 CANT BEAM	N/A	NA

LINTEL NO.	SIZE/BEAM TYPE	MIN BEARING
L1	2-2X8 SPF NO.1/2 OR BETTER	1.5"
L2	2-2X6 SPF NO.1/2 OR BETTER	1.5"

J#	TYPE	DEPTH	SERIES	SPACING
J1-ALT #1		14"	TJI/110	19.2" O/C
J1-ALT #2		16"	TJI/210	19.2" O/C

B2 ALT #3 ASSUMES EARTH BLOCK WALL CAN BE USED AS LOAD BEARING FOR BEAM SUPPORT

B5-ALT#1 TOTAL LOAD DEFLECTION OVER DEFLECTS BY 1/8" @ MIDSPAN UNDER FULL SNOW LOADING. ANTHONY SPICKS TO CONFIRM.

BEAM NO.	SIZE/BEAM TYPE	MIN.BRG. REQUIREMENTS	
		CANTILEVER	END
B1	2 PLY 1.75"x16" PARALLAM PSL	4"	3.15"
B2-ALT#1	4 PLY 1.75"x16" PARALLAM PSL	NA	2.09
B2-ALT#2	3 PLY 1.75"x18" PARALLAM PSL	NA	2.77
B2-ALT#3	2 PLY 1.75"x11.88" TIMBERSTRAND LSL	6" (INTERMEDIATE)	1.71"
B3	4 PLY 1.75"x18" PARALLAM PSL	NA	2.25
B4	2 PLY 1.75"x9.5" TIMBERSTRAND LSL	NA	1.5"
B5-ALT#1	3 PLY 1.75"x16" PARALLAM PSL	NA	2.43"
B5-ALT#2	2-PLY 1.75"x18" PARALLAM PSL	NA	3.62"

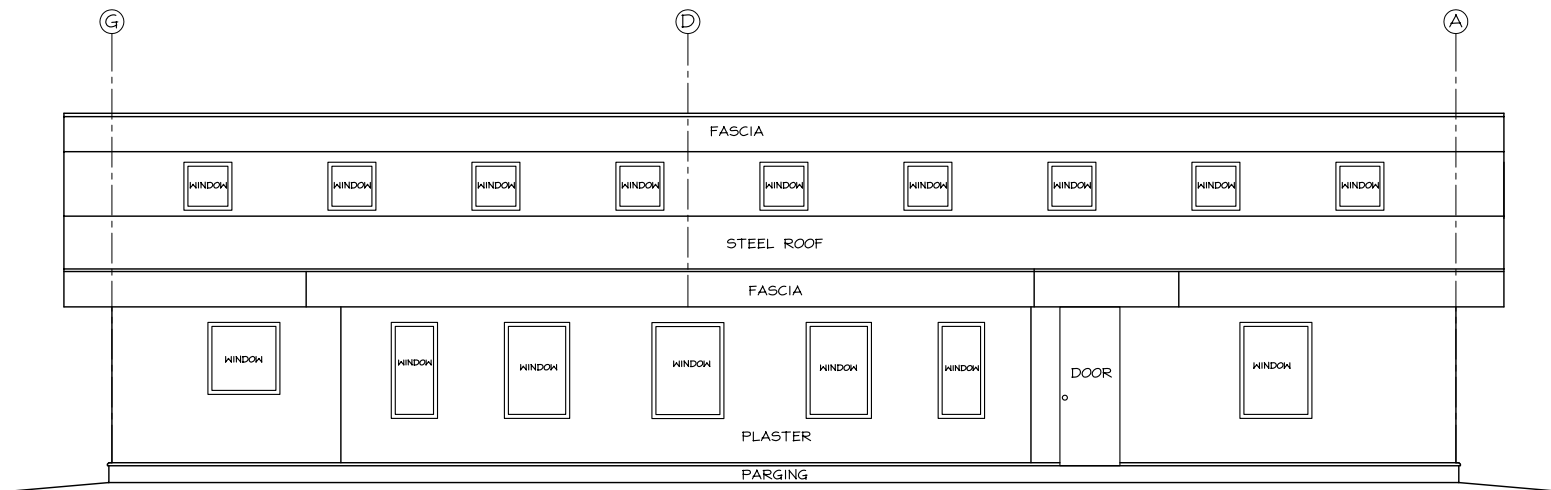
**PARALLAM PSL BEAM NOTES  
 TIMBERSTRAND LSL BEAM NOTES**

1. Multi-ply beams are to be fastened with a minimum of 3 rows 3 1/2" nails per foot ( 4 rows for 16" and 18 3/4" depths).

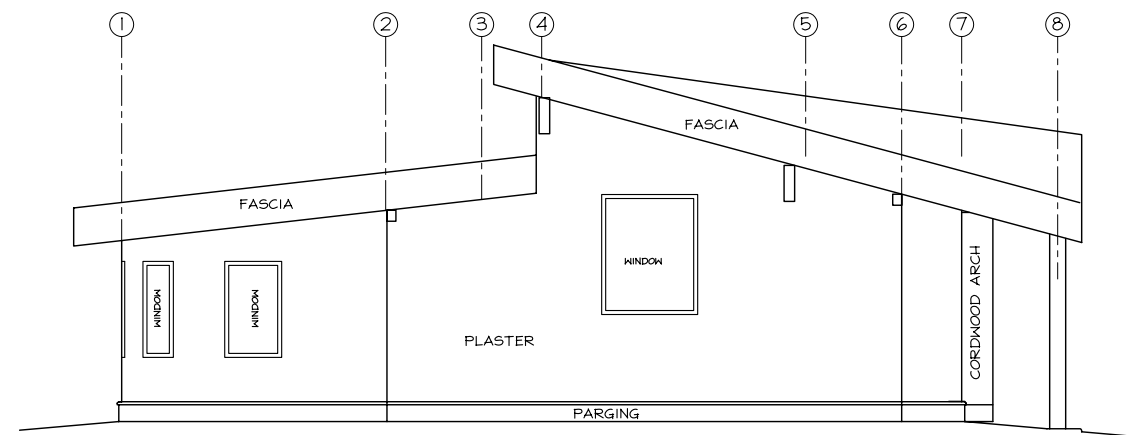
NOTE:  
 16" JOIST OPTION WILL ALLOW A 2" GAP BETWEEN U/S STRAPPING FOR STEEL ROOFING (3.5" GAP TO U/S STEEL ROOF) FOR VENTILATION PURPOSES.

ROOF	WIND UPLIFT	SNOW DRIFT
LIVE = 54 psf	NET 12.5 psf	SEE KEY PLAN
DEAD = 25 psf		THIS SHEET
TOTAL = 79psf		

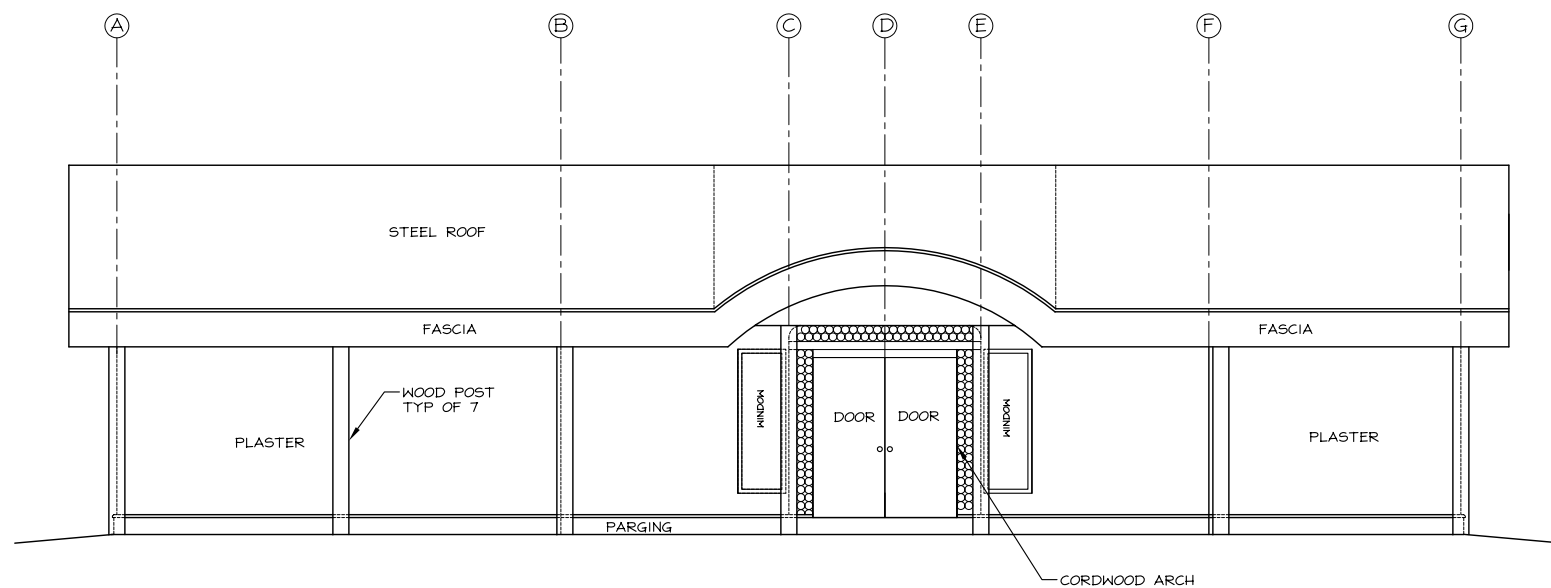
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<p><b>KINARK SUSTAINABLE CLASSROOM</b>                  CITY OF THE KAWARTHAS</p>																						
<table border="1"> <tr> <th>REV.</th> <th>BY</th> <th>DATE</th> <th>REMARKS</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	REV.	BY	DATE	REMARKS					<table border="1"> <tr> <th>DRAWN</th> <th>DATE</th> <th>CHECKED</th> <th>DATE</th> </tr> <tr> <td>CEJ</td> <td>JAN-27-05</td> <td> </td> <td> </td> </tr> </table>	DRAWN	DATE	CHECKED	DATE	CEJ	JAN-27-05			<table border="1"> <tr> <th>ORDER NO.</th> <th>SHEET</th> </tr> <tr> <td>55FC0601</td> <td>A3</td> </tr> </table>	ORDER NO.	SHEET	55FC0601	A3
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ORDER NO.	SHEET																					
55FC0601	A3																					



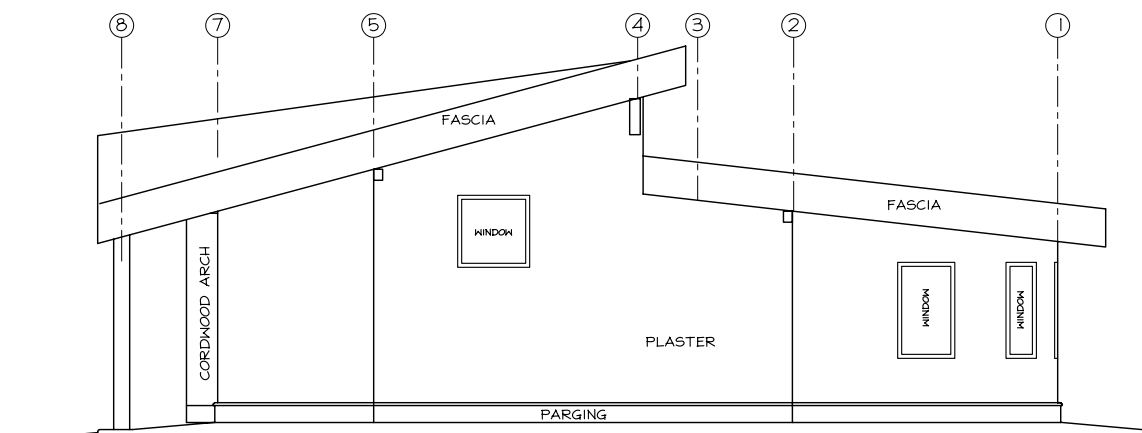
**SOUTH BUILDING ELEVATION** (A/A4)  
 SCALE: 1/4"=1'-0" - 34"x22" PLOT  
 SCALE: 1/8"=1'-0" - 11"x17" PLOT



**EAST BUILDING ELEVATION** (C/A4)  
 SCALE: 1/4"=1'-0" - 34"x22" PLOT  
 SCALE: 1/8"=1'-0" - 11"x17" PLOT

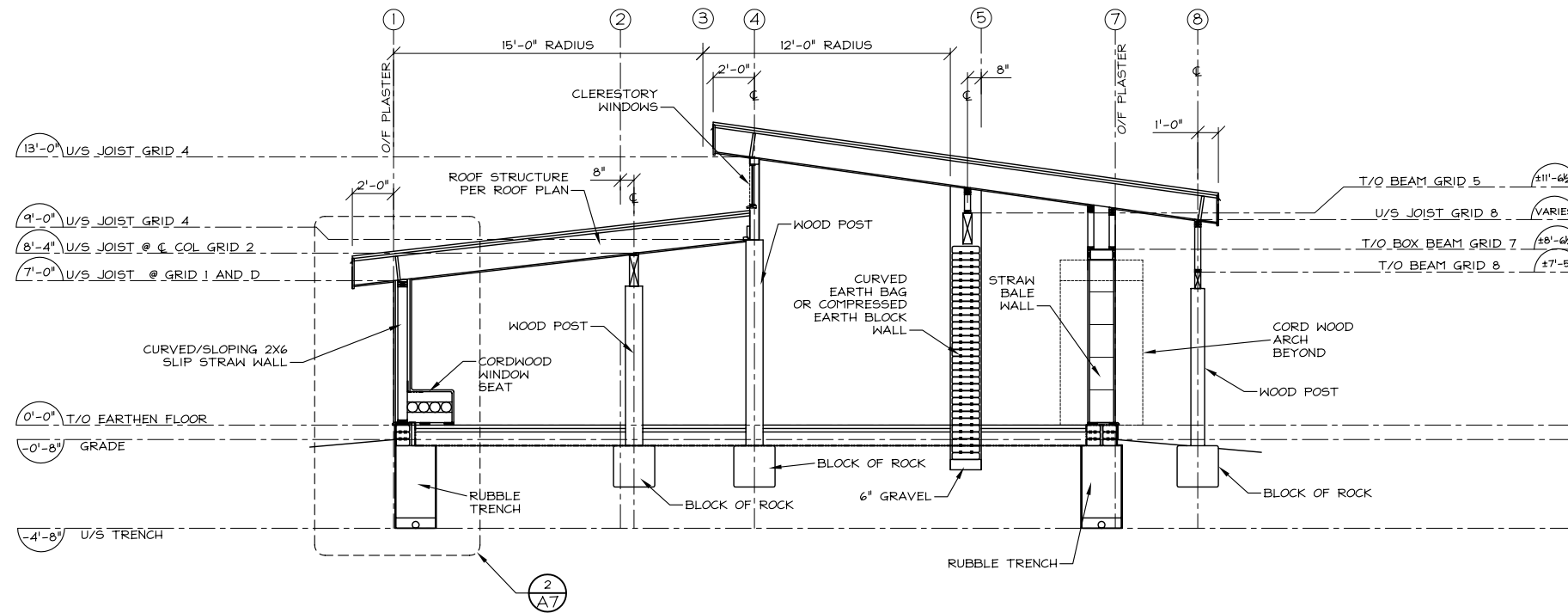


**NORTH BUILDING ELEVATION** (B/A7)  
 SCALE: 1/4"=1'-0" - 34"x22" PLOT  
 SCALE: 1/8"=1'-0" - 11"x17" PLOT

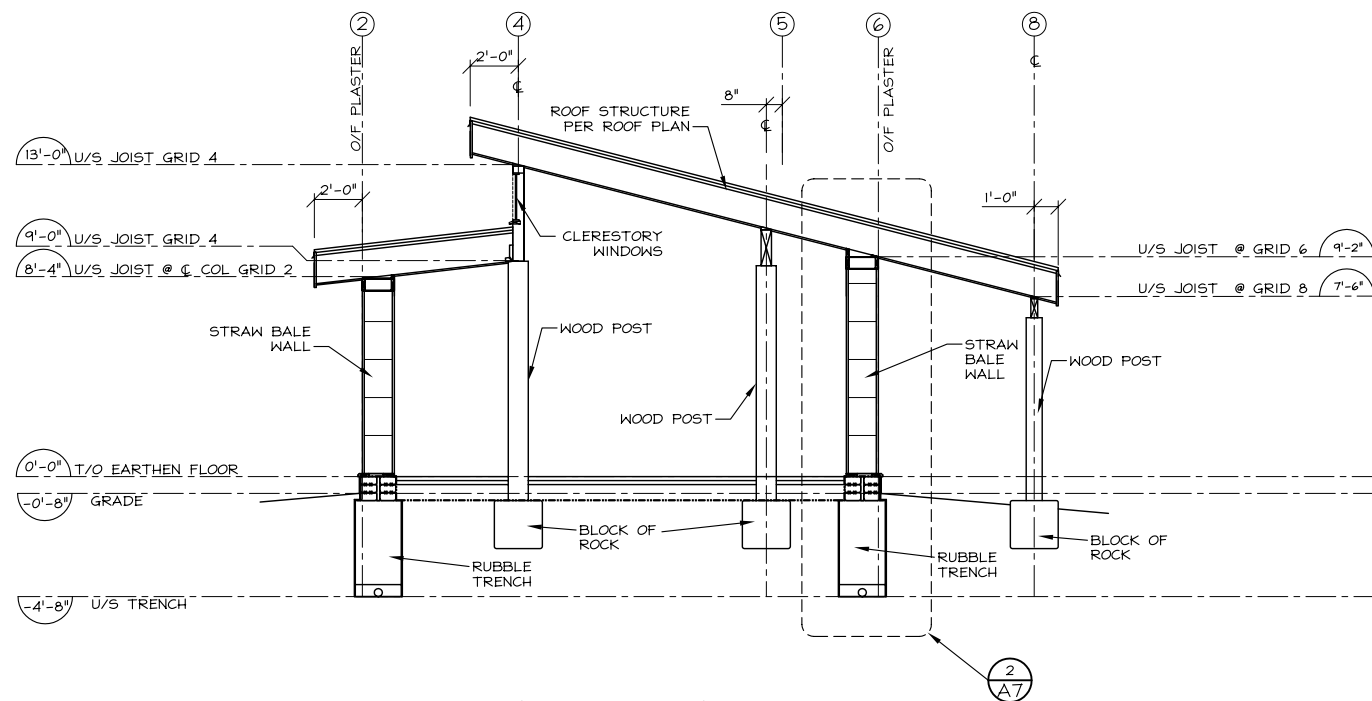


**WEST BUILDING ELEVATION** (D/A4)  
 SCALE: 1/4"=1'-0" - 34"x22" PLOT  
 SCALE: 1/8"=1'-0" - 11"x17" PLOT

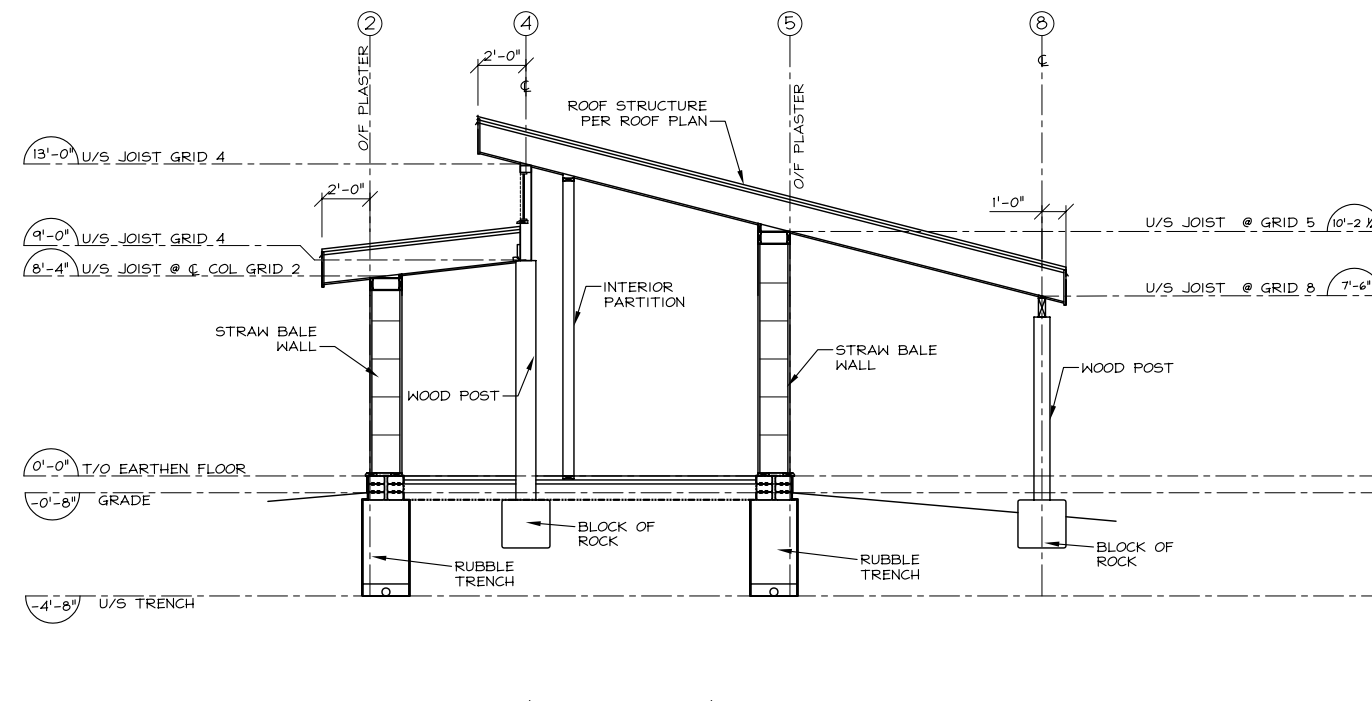
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**BUILDING SECTION A-A**  
 SCALE: 1/4"=1'-0" - 34"x22" PLOT  
 SCALE: 1/8"=1'-0" - 11"x17" PLOT

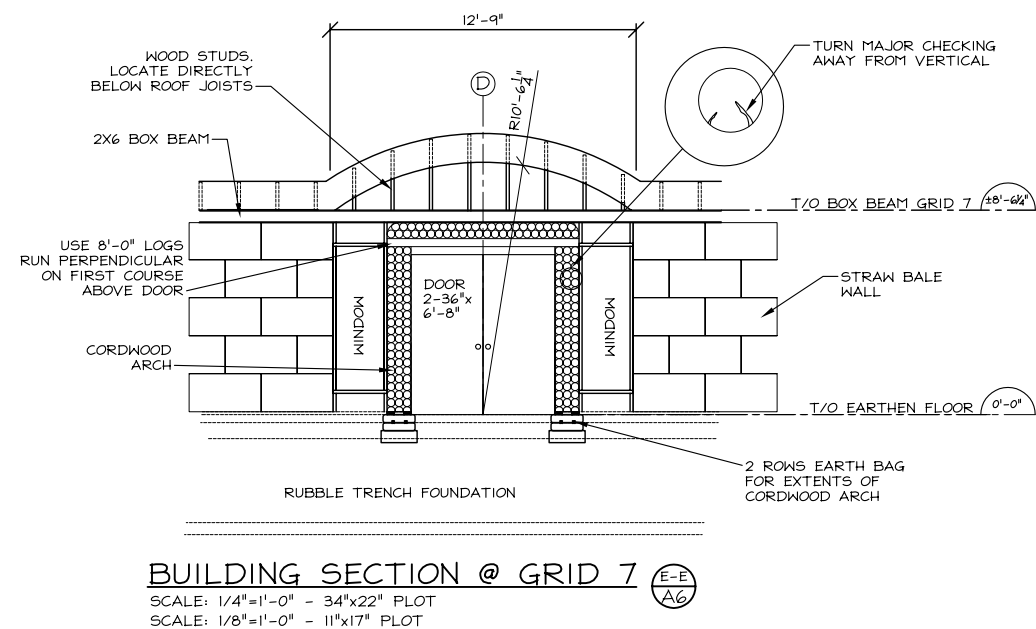
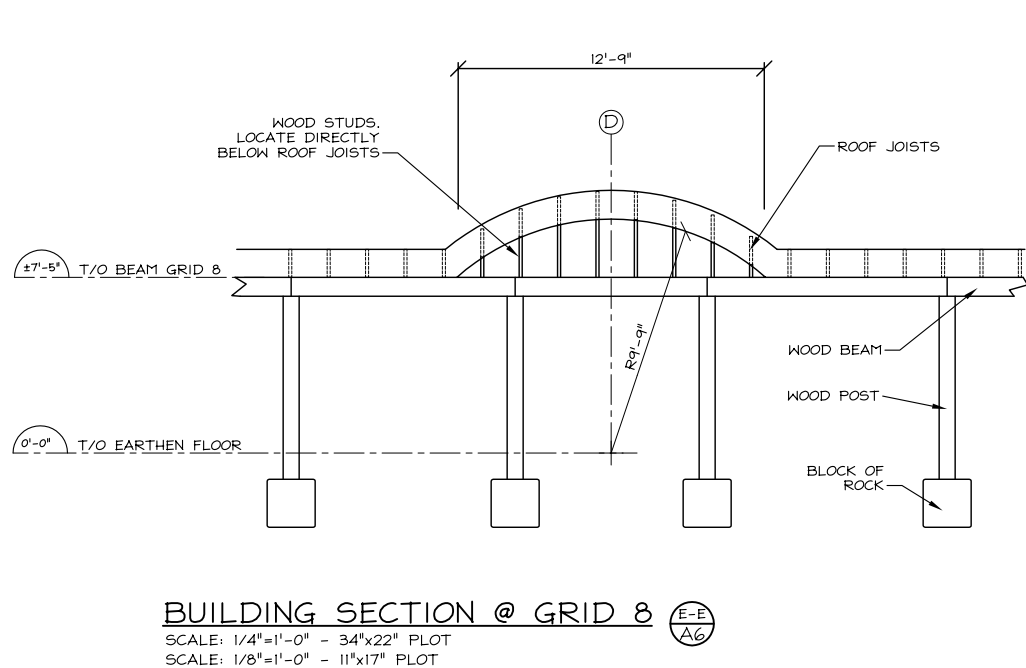
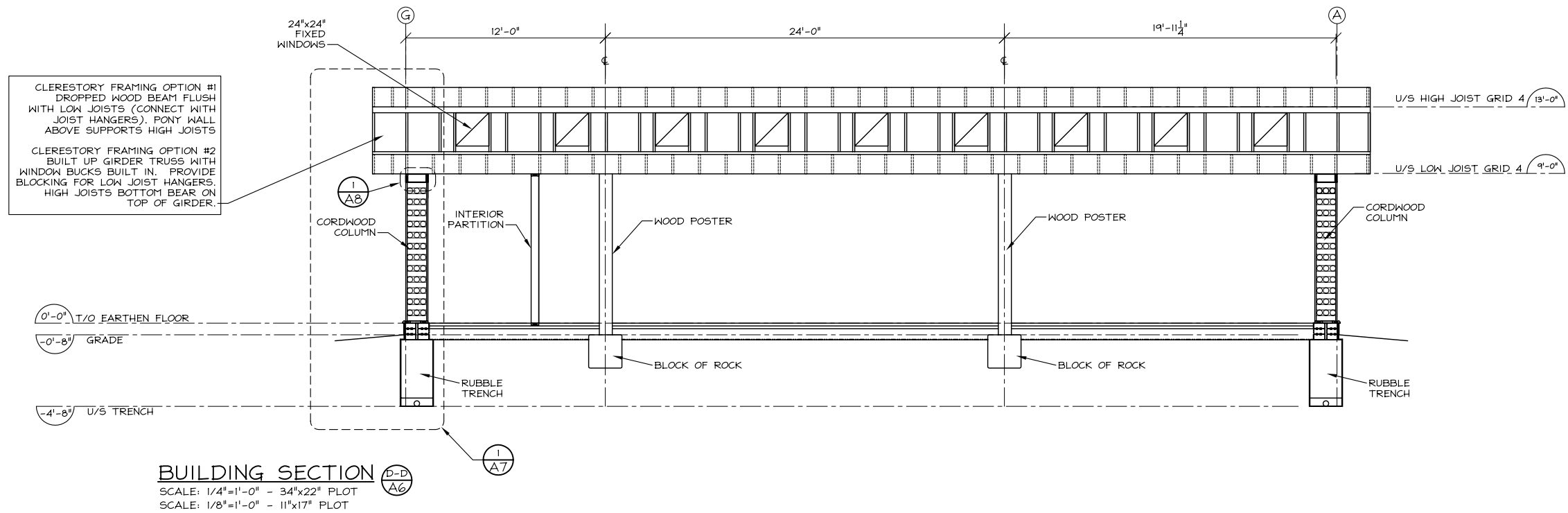


**BUILDING SECTION B-B**  
 SCALE: 1/4"=1'-0" - 34"x22" PLOT  
 SCALE: 1/8"=1'-0" - 11"x17" PLOT

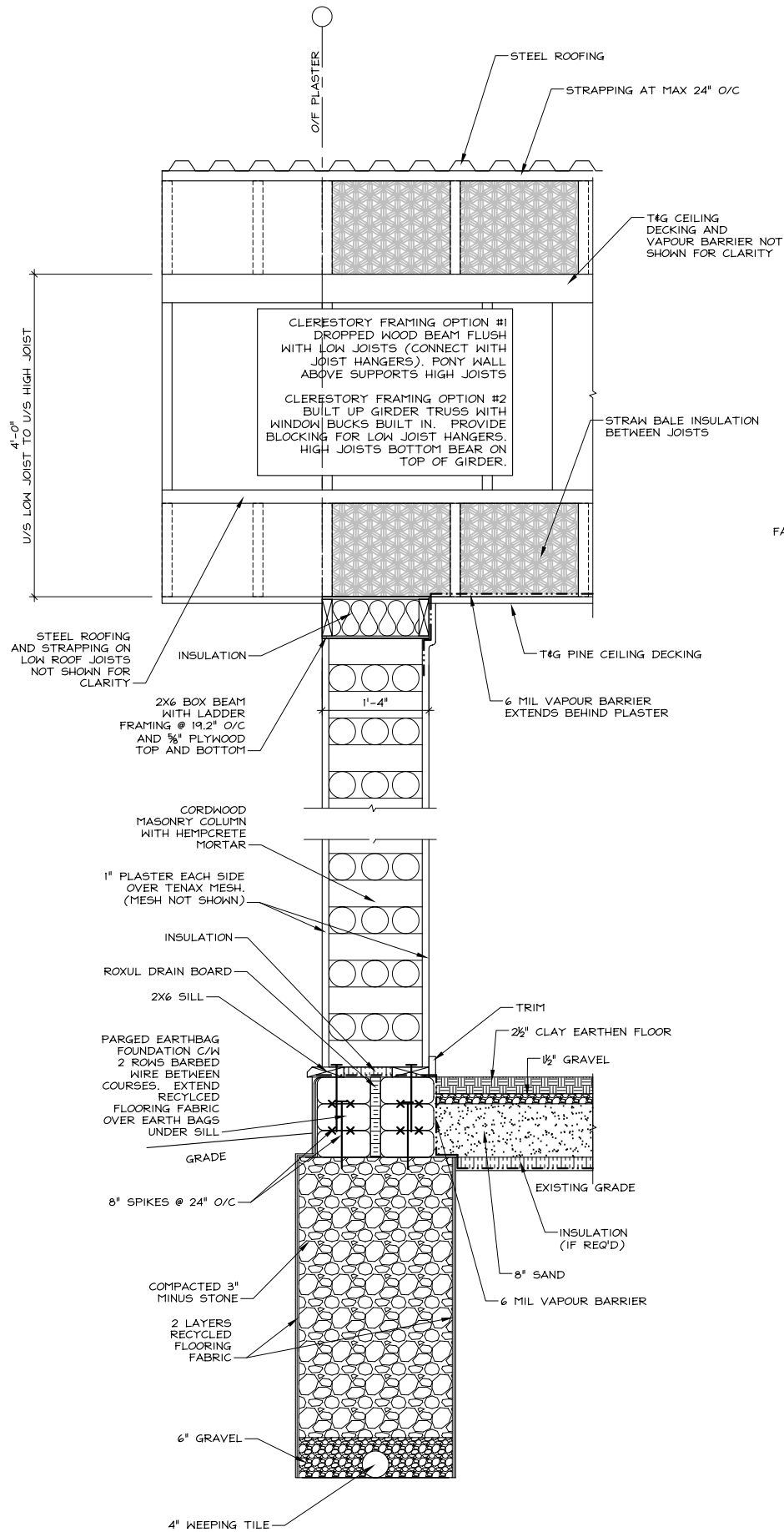


**BUILDING SECTION C-C**  
 SCALE: 1/4"=1'-0" - 34"x22" PLOT  
 SCALE: 1/8"=1'-0" - 11"x17" PLOT

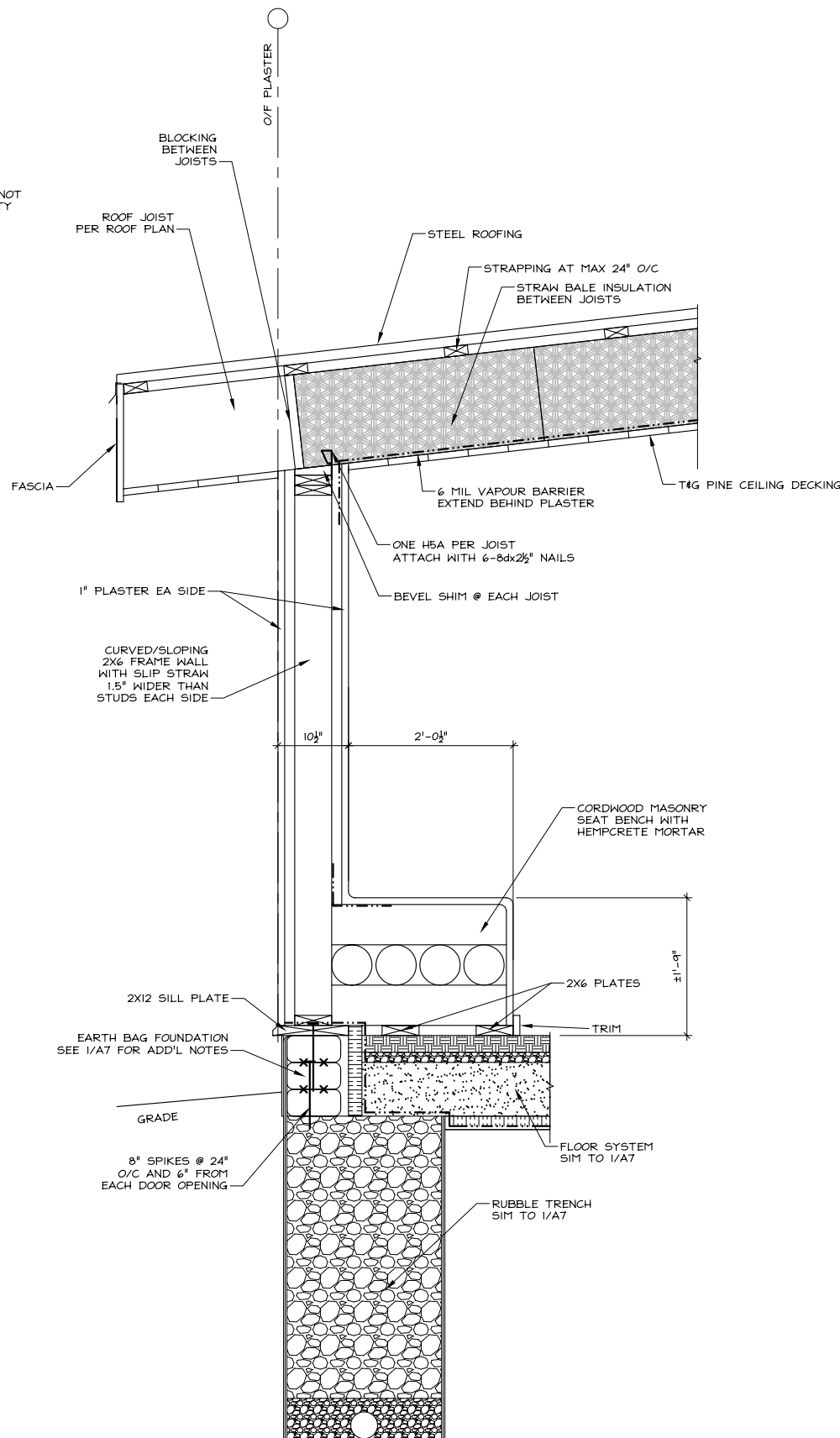
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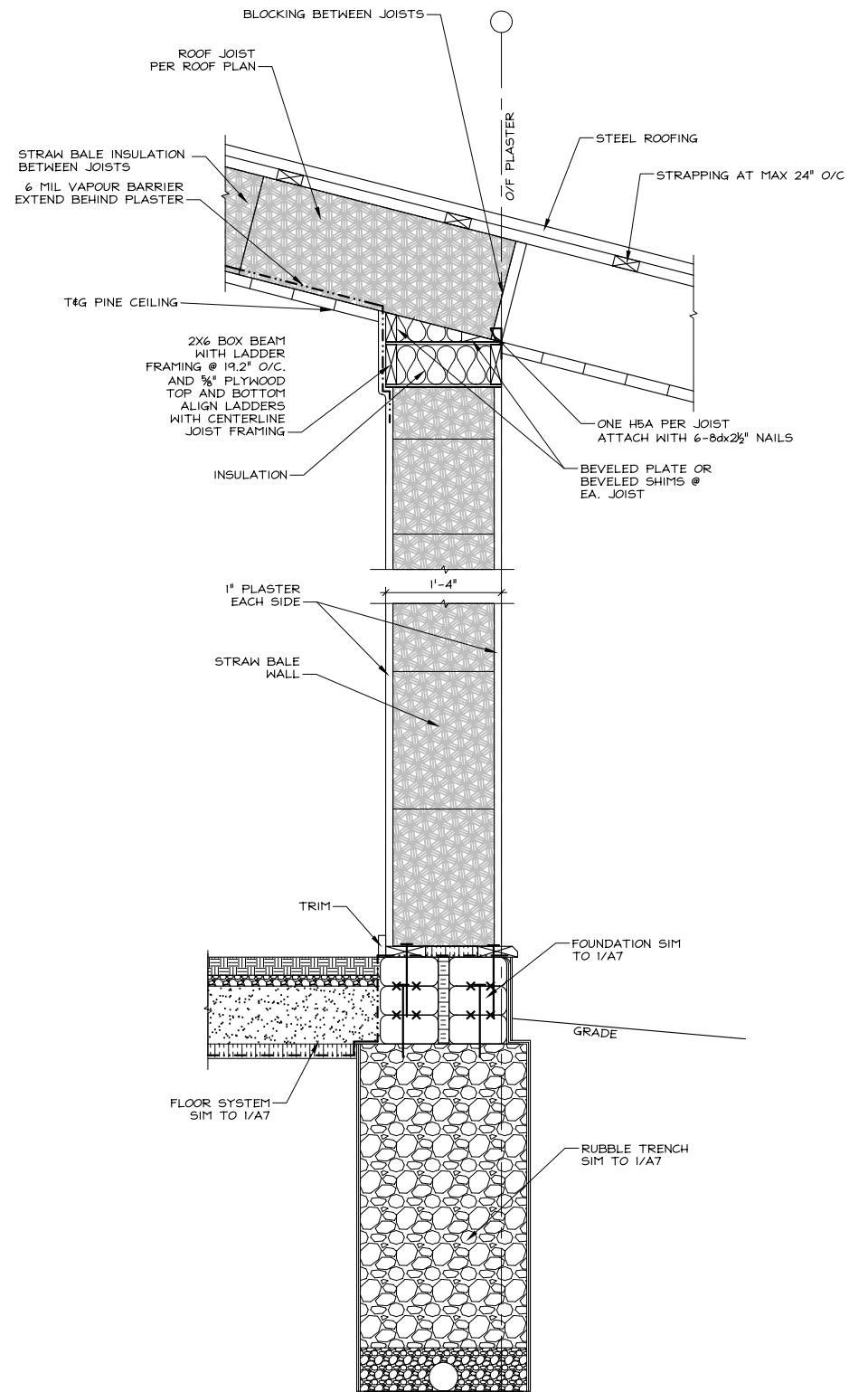
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**WALL SECTION 1**  
 SCALE: 1/2" = 1'-0" - 11X17 PLOT  
 SCALE: 1" = 1'-0" - 34X22 PLOT  
 TYP UNO

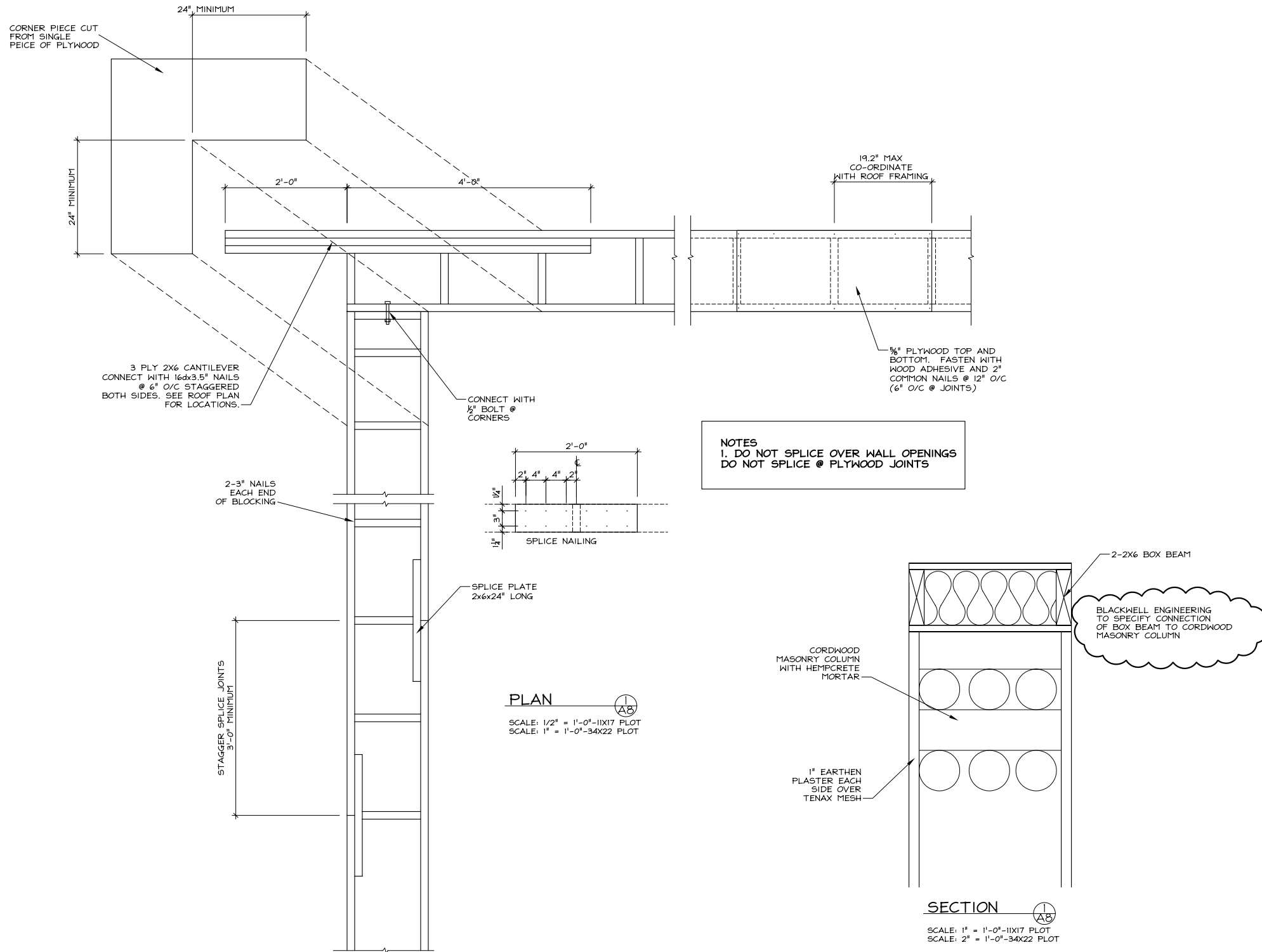


**WALL SECTION 2**  
 SCALE: 1/2" = 1'-0" - 11X17 PLOT  
 SCALE: 1" = 1'-0" - 34X22 PLOT



**WALL SECTION 3**  
 SCALE: 1/2" = 1'-0" - 11X17 PLOT  
 SCALE: 1" = 1'-0" - 34X22 PLOT

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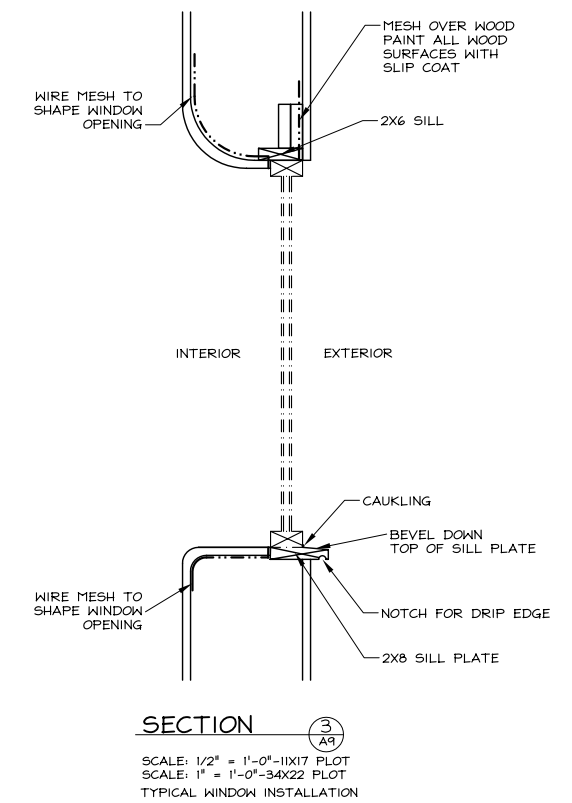
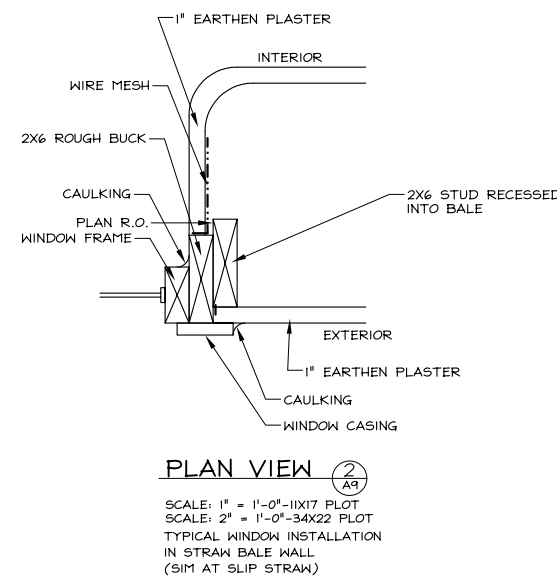
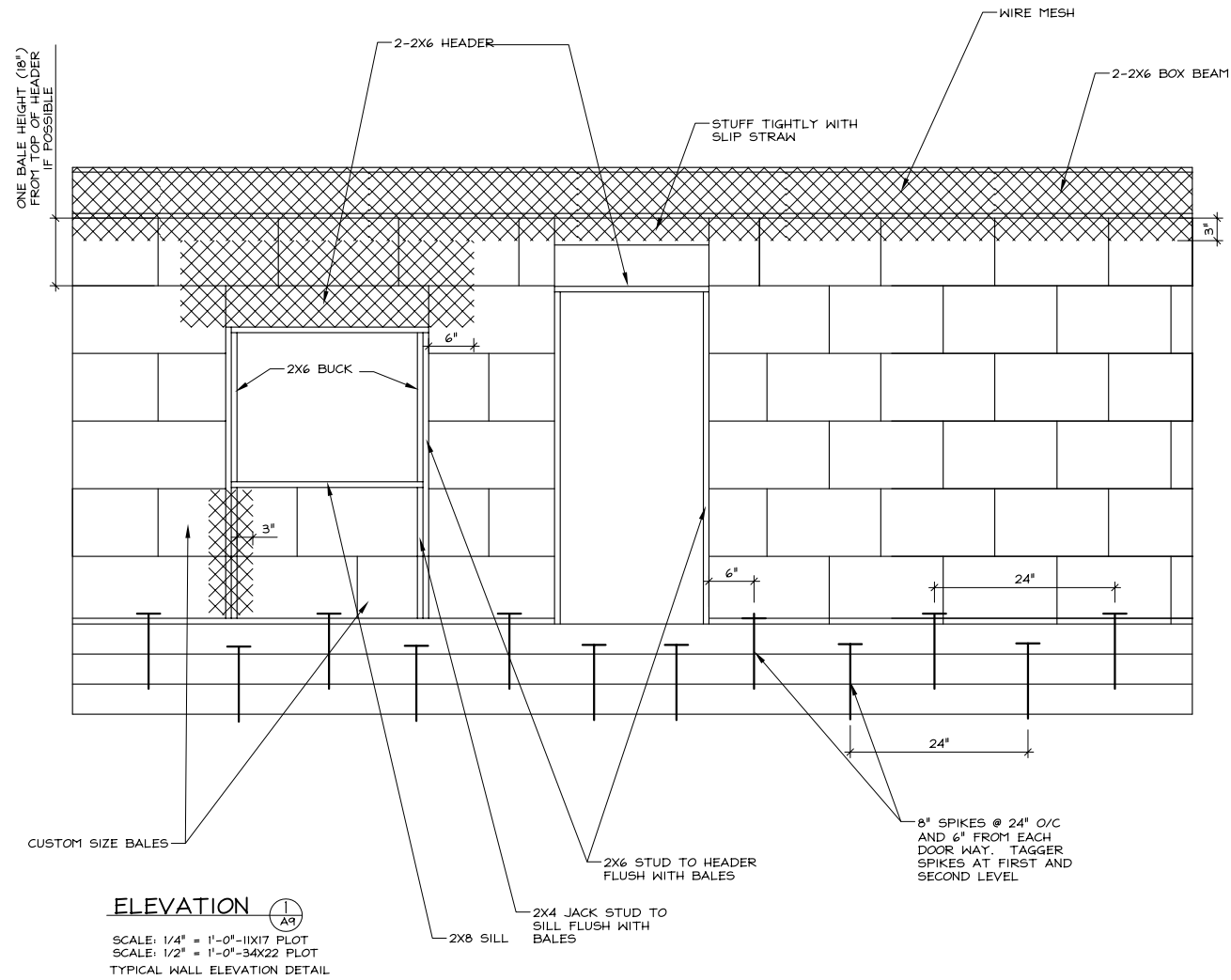


**NOTES**  
 1. DO NOT SPLICE OVER WALL OPENINGS  
 DO NOT SPLICE @ PLYWOOD JOINTS

BLACKWELL ENGINEERING  
 TO SPECIFY CONNECTION  
 OF BOX BEAM TO CORDWOOD  
 MASONRY COLUMN

2-2X6 PLYWOOD BOX BEAM DETAIL

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**GENERAL NOTES**

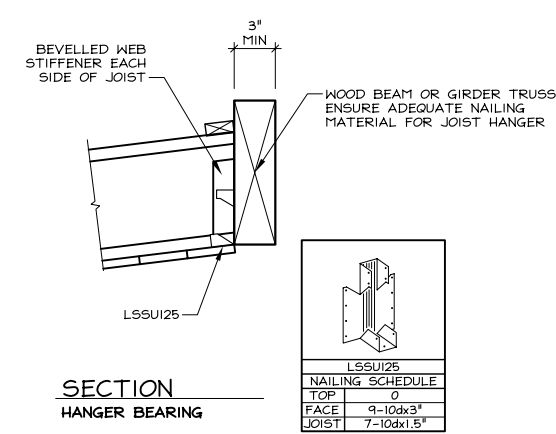
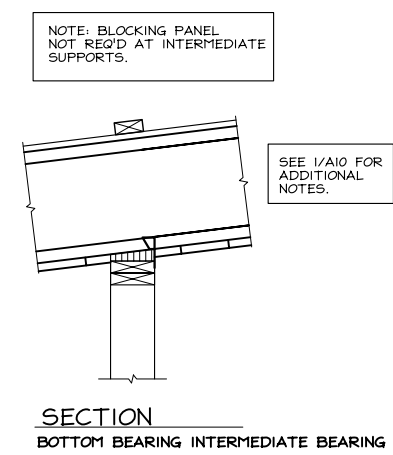
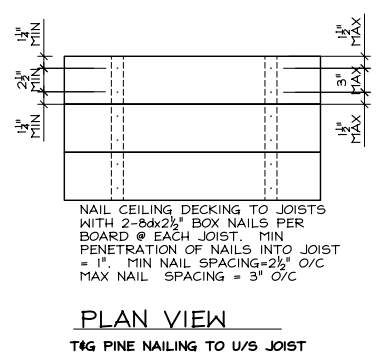
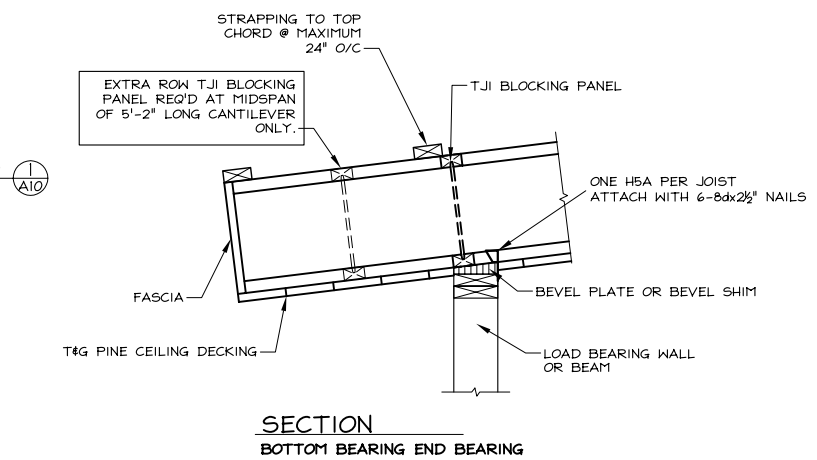
1. WIRE OR TENAX MESH. USE WIRE MESH BETWEEN ALL WOOD TO PLASTER SURFACES GREATER THAN 1/2" IN WIDTH. EXTEND WIRE MESH A MINIMUM 3" OVER ADJACENT BALES, (6" AT WINDOW HEADER).
2. RUNNING BOND. MAINTAIN A RUNNING BOND WITH BALES. JOINTS FOR EACH COURSE SHOULD BE STAGGERED A MINIMUM OF 8" FROM THE COURSE ABOVE AND BELOW. (1/2 BALE LENGTH IS IDEAL.)
3. PROTECT WOOD MEMBERS WITHIN THE BALE WALLS BY PAINTING WOOD SURFACES WITH A DILUTED SOLUTION OF THE PLASTER MIX.

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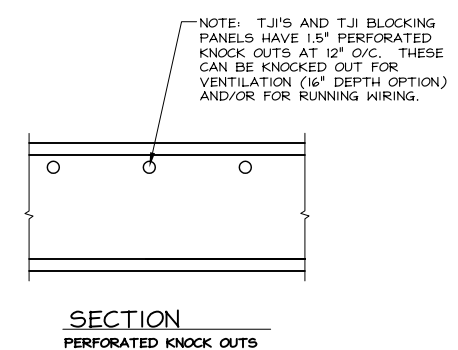
**TJI JOIST DETAILS**

SCALE: 1/2" = 1'-0"-11X17 PLOT  
SCALE: 1" = 1'-0"-34X22 PLOT  
TYP UNO

NOTE: READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS AS PER LITERATURE SUPPLIED BY MANUFACTURER/DEALER.



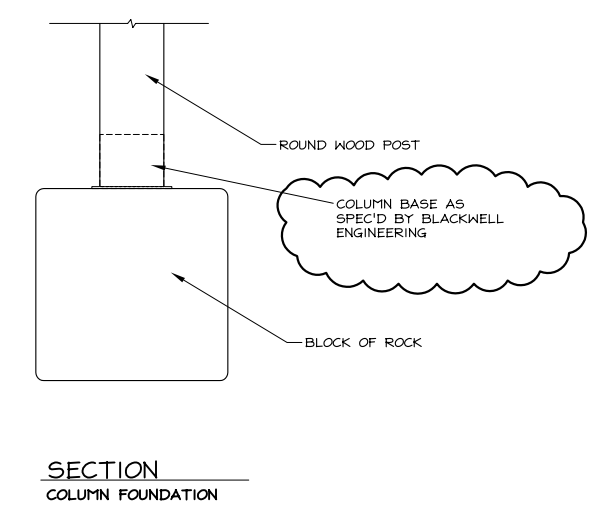
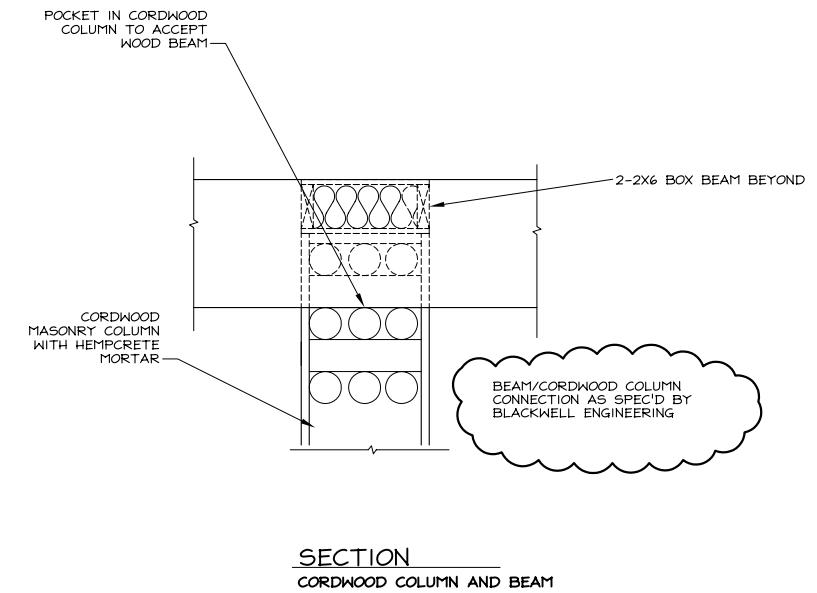
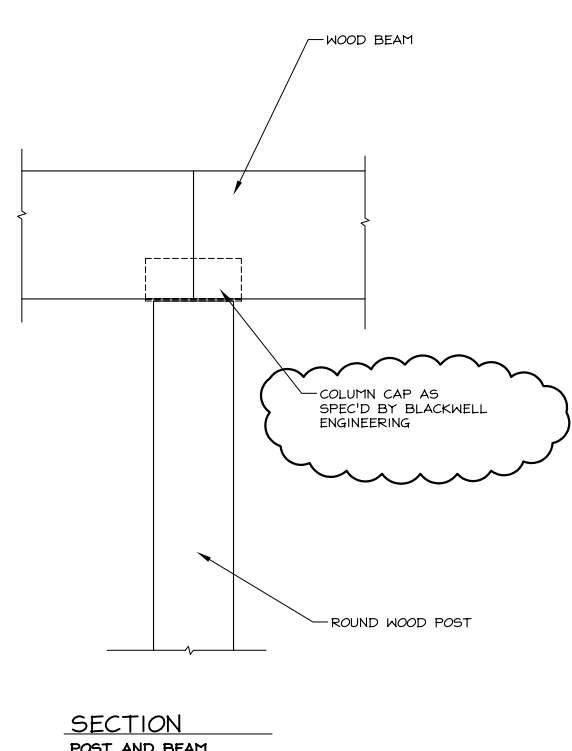
LSSU125	
NAILING SCHEDULE	
TOP	0
FACE	9-10dx3"
JOIST	7-10dx1.5"



**POST & BEAM DETAILS**

SCALE: 1/2" = 1'-0"-11X17 PLOT  
SCALE: 1" = 1'-0"-34X22 PLOT  
TYP UNO

2/A10



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