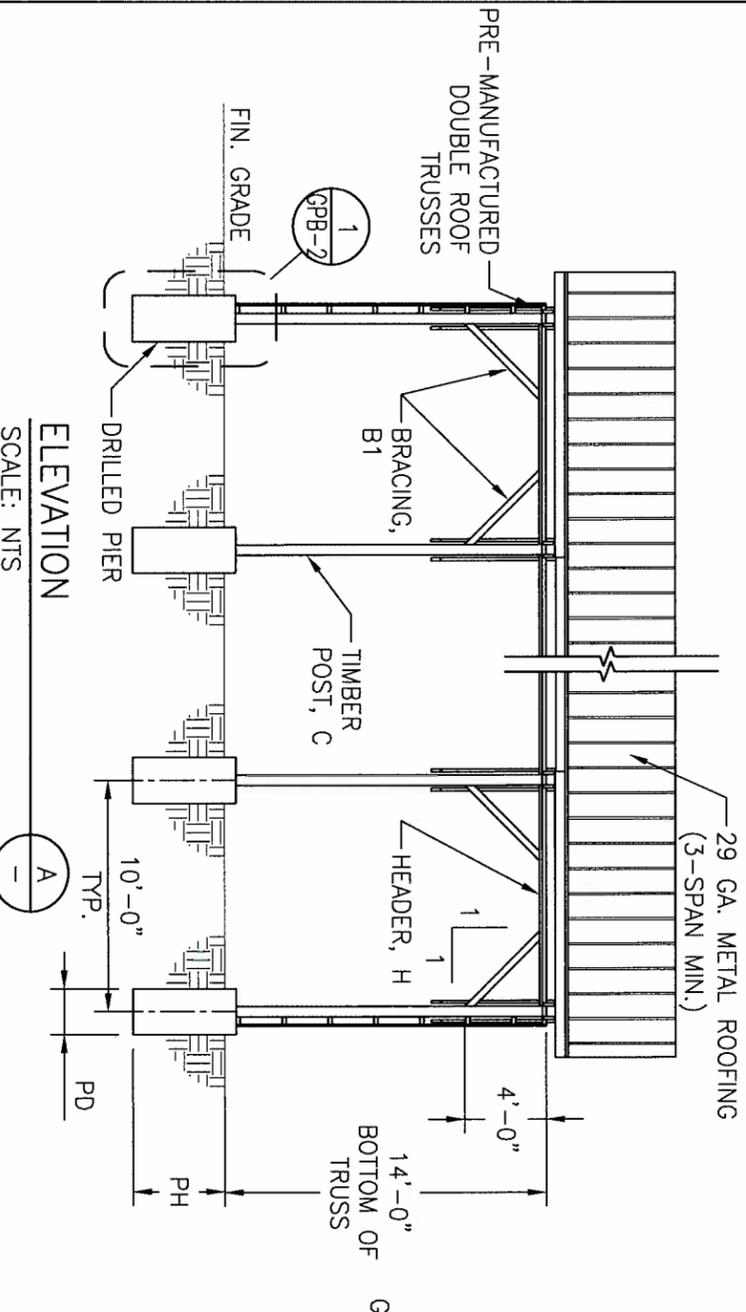
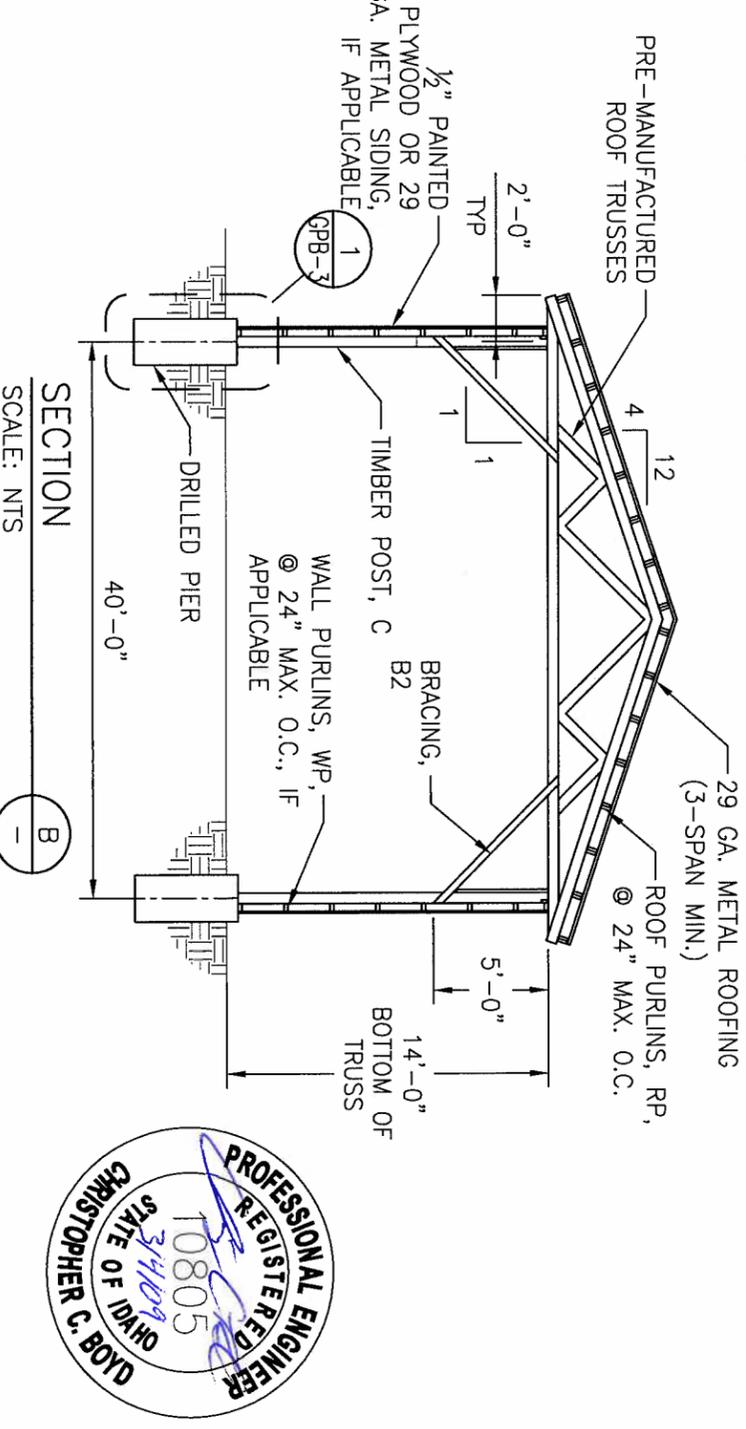
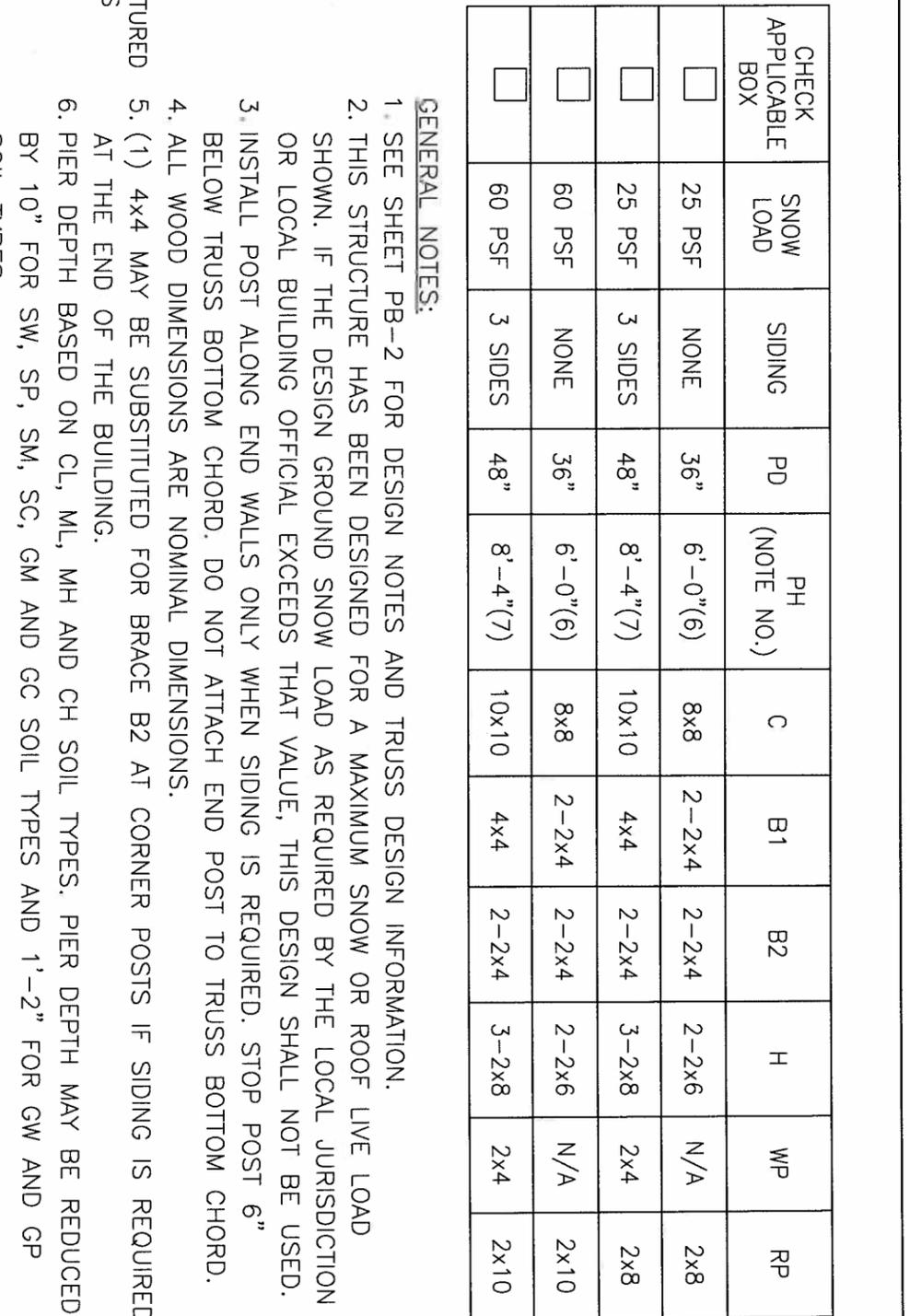


PLAN
SCALE: NTS



ELEVATION
SCALE: NTS

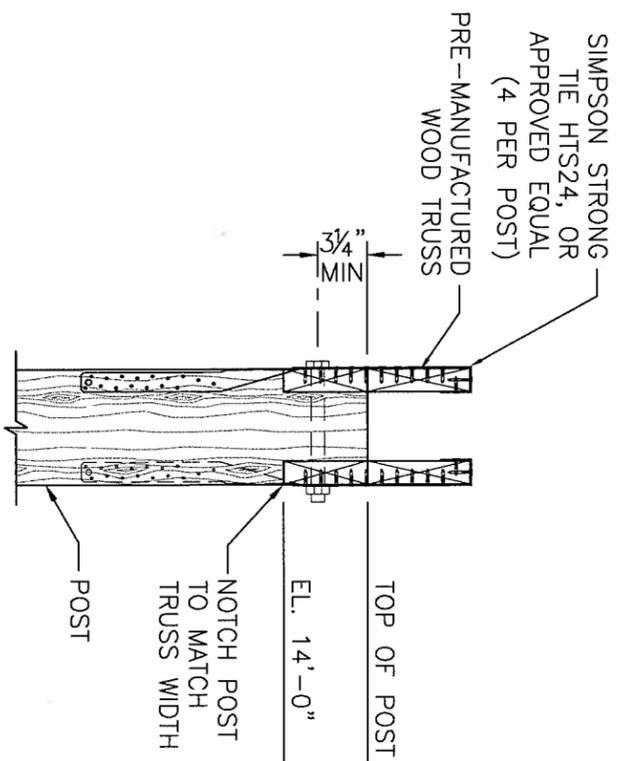
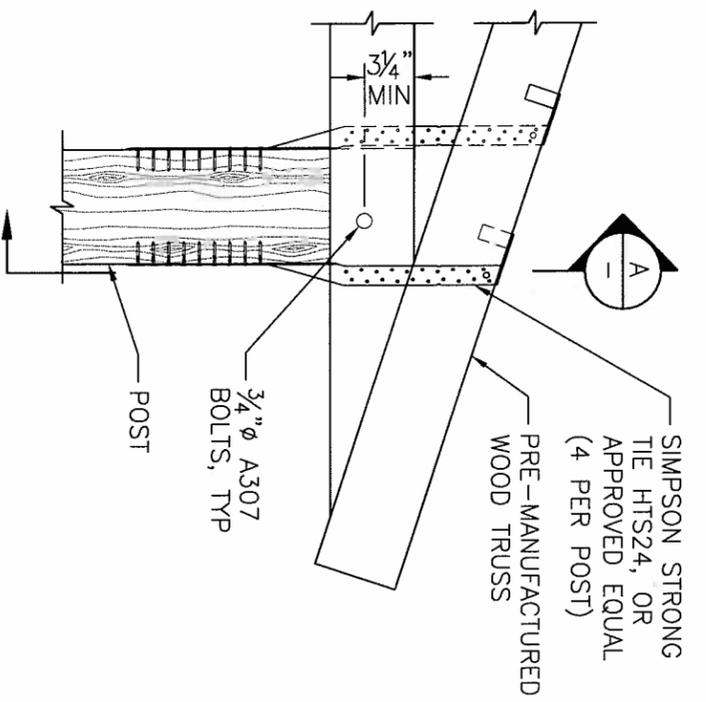


CHECK APPLICABLE BOX	SNOW LOAD	SIDING	PD	PH (NOTE NO.)	C	B1	B2	H	WP	RP
<input type="checkbox"/>	25 PSF	NONE	36"	6'-0"(6)	8x8	2-2x4	2-2x4	2-2x6	N/A	2x8
<input type="checkbox"/>	25 PSF	3 SIDES	48"	8'-4"(7)	10x10	4x4	2-2x4	3-2x8	2x4	2x8
<input type="checkbox"/>	60 PSF	NONE	36"	6'-0"(6)	8x8	2-2x4	2-2x4	2-2x6	N/A	2x10
<input type="checkbox"/>	60 PSF	3 SIDES	48"	8'-4"(7)	10x10	4x4	2-2x4	3-2x8	2x4	2x10

GENERAL NOTES:

- SEE SHEET PB-2 FOR DESIGN NOTES AND TRUSS DESIGN INFORMATION.
- THIS STRUCTURE HAS BEEN DESIGNED FOR A MAXIMUM SNOW OR ROOF LIVE LOAD SHOWN. IF THE DESIGN GROUND SNOW LOAD AS REQUIRED BY THE LOCAL JURISDICTION OR LOCAL BUILDING OFFICIAL EXCEEDS THAT VALUE, THIS DESIGN SHALL NOT BE USED.
- INSTALL POST ALONG END WALLS ONLY WHEN SIDING IS REQUIRED. STOP POST 6" BELOW TRUSS BOTTOM CHORD. DO NOT ATTACH END POST TO TRUSS BOTTOM CHORD.
- ALL WOOD DIMENSIONS ARE NOMINAL DIMENSIONS.
- (1) 4x4 MAY BE SUBSTITUTED FOR BRACE B2 AT CORNER POSTS IF SIDING IS REQUIRED AT THE END OF THE BUILDING.
- PIER DEPTH BASED ON CL, ML, MH AND CH SOIL TYPES. PIER DEPTH MAY BE REDUCED BY 10" FOR SW, SP, SM, SC, GM AND GC SOIL TYPES AND 1'-2" FOR GW AND GP SOIL TYPES.
- PIER DEPTH BASED ON CL, ML, MH AND CH SOIL TYPES. PIER DEPTH MAY BE REDUCED BY 1'-0" FOR SW, SP, SM, SC, GM AND GC SOIL TYPES AND 1'-8" FOR GW AND GP SOIL TYPES.





TRUSS DESIGN CRITERIA					
CHECK APPLICABLE BOX	SPAN	SNOW LOAD	WIND SPEED	B2 RXN *	SIDING
<input type="checkbox"/>	40'-0"	25 PSF	85 MPH	1000#	NONE
<input type="checkbox"/>	40'-0"	25 PSF	85 MPH	1300#	3 SIDED
<input type="checkbox"/>	40'-0"	60 PSF	85 MPH	1000#	NONE
<input type="checkbox"/>	40'-0"	60 PSF	85 MPH	1300#	3 SIDED

* -B2 RXN IS THE FORCE THAT BRACE 'B2' APPLIES TO THE TRUSS. THIS FORCE SHALL BE APPLIED EITHER DIRECTION.

TRUSS SEAT DETAIL

SCALE: 1" = 1'-0"



TRUSS SEAT SECTION

SCALE: 1" = 1'-0"



NOTES:

- TRUSSES SHALL BE DESIGNED BY THE TRUSS MANUFACTURER. TRUSSES SHALL BE DESIGNED TO SATISFY LOCAL SNOW AND ROOF LIVE LOAD REQUIREMENTS. AT A MINIMUM, THE TRUSSES SHALL BE DESIGNED FOR:
 TOP CHORD DEAD LOAD = 5 PSF
 BOTTOM CHORD DEAD LOAD = 5 PSF
 BOTTOM CHORD LIVE LOAD = 10 PSF
 BRACE (B2) REACTION - SEE TABLE
- TIMBER POSTS SHALL BE PRESSURE TREATED DF-L #1 OR BETTER. ALL WOOD WITHIN 6-FT OF THE GROUND SURFACE SHALL BE PRESSURE TREATED. ALL OTHER WOOD (EXCEPT TRUSSES) SHALL BE DF-L #2 OR BETTER. ALL PRESSURE TREATED WOOD SHALL MEET THE SPECIFICATIONS OR BE PRE-APPROVED BY THE NRCS ENGINEER.
- ALL WOOD MEMBERS HAVE BEEN DESIGNED USING THE FOLLOWING ALLOWABLE STRESSES:
 DF-L #1 OR BETTER (POSTS) DF-L #2 OR BETTER WOOD DESIGN ADJUSTMENT FACTORS
 fb = 1200 PSI fb = 900 PSI
 fc parallel = 1000 PSI fc parallel = 1350 PSI
 fc perpendicular = 625 PSI fc perpendicular = 625 PSI
 Emin = 580 ksi Emin = 580 ksi

- WOOD DESIGN ADJUSTMENT FACTORS
- Cd = 1.15 (SNOW) 1.60 (WIND)
 - Cm = 0.85 (fb) 0.90 (EMIN) 0.80 (fc parallel)
 - Ct = 1.0
 - Cf = VARIES BASED ON MEMBER SIZE
 - ci = 0.80 (POSTS AND WALL PURLINS)
 - Cr = 1.15 FOR PURLINS @ 24" O.C.
1.0 FOR ALL OTHERS
 - Cb = 0.67 FOR 1.5" BEARING LENGTH

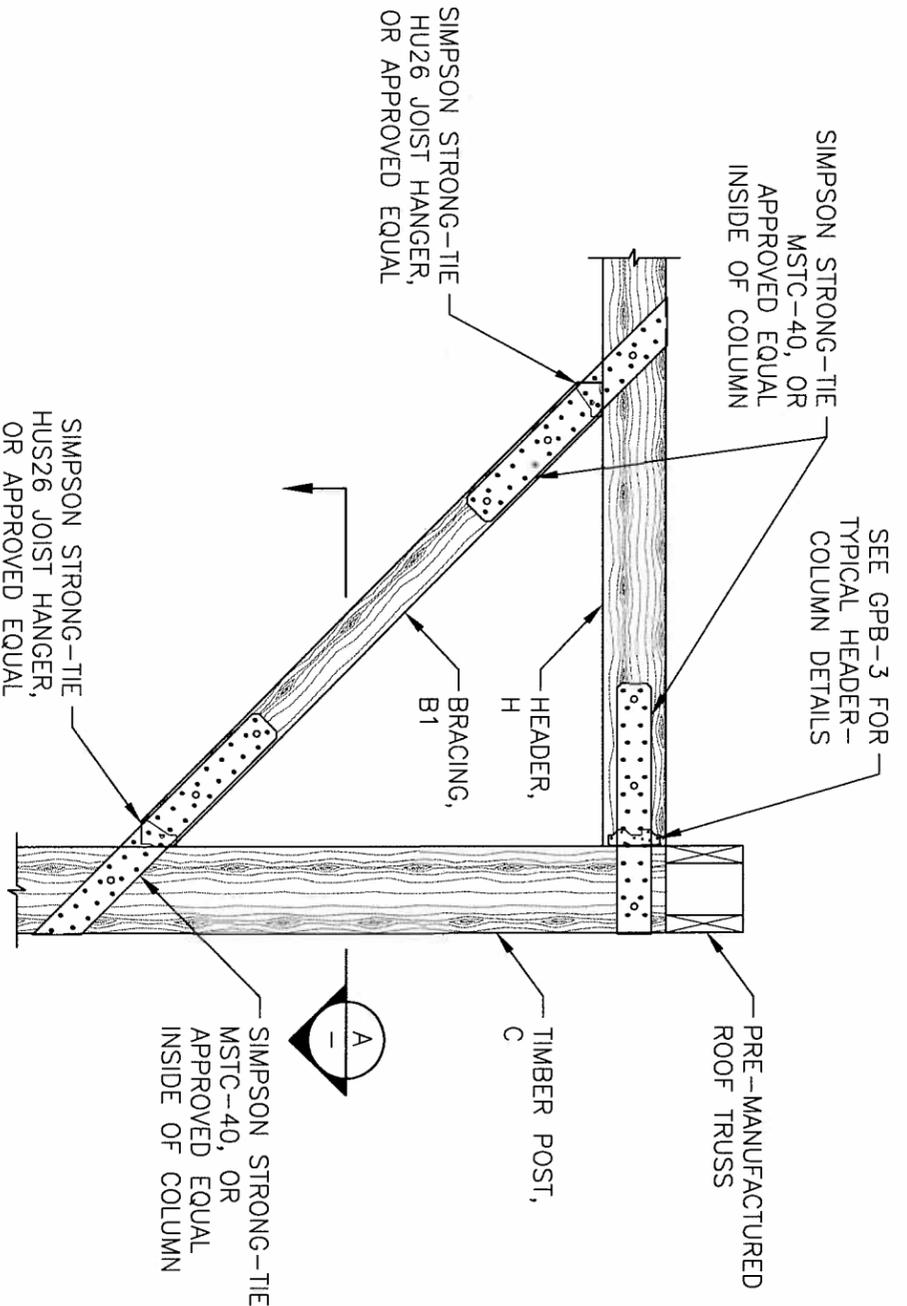
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (fc') = 4000 PSI, MAXIMUM SLUMP = 3-5" AND AIR ENTRAINMENT = 5-8%.



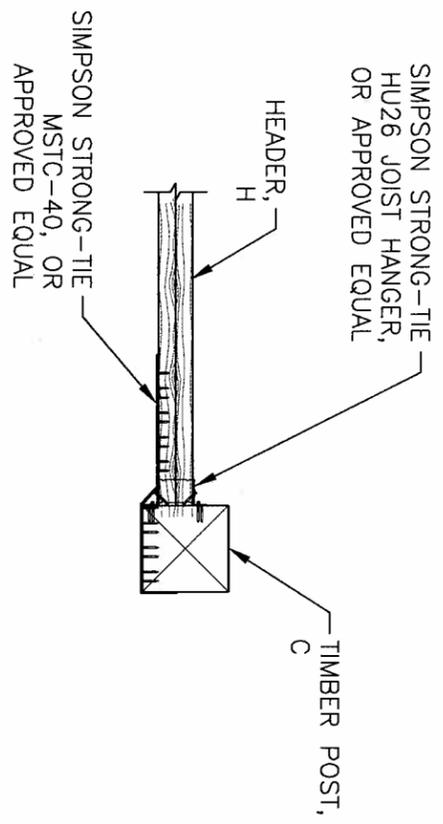
40'-0" POLE BUILDING
 STANDARD DRAWING
 DESIGN NOTES AND DETAILS

Date	
Designed	C. BOYD 01/29/09
Drawn	R. GUERRERO 01/29/09
Checked	D. AXNESS 01/29/09
Approved	M. McMILLEN 01/29/09





BRACING B1 DETAIL
SCALE: 3/4" = 1'-0"



BRACING B1 SECTION
SCALE: 3/4" = 1'-0"



	Date
Designed <u>C. BOYD</u>	01/29/09
Drawn <u>R. GUERRERO</u>	01/29/09
Checked <u>D. AXNESS</u>	01/29/09
Approved <u>M. McMILLEN</u>	01/29/09

40'-0" POLE BUILDING
STANDARD DRAWING
DESIGN NOTES AND DETAILS



BUILDING LENGTH - CHECK APPLICABLE BOX			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60'-0"	80'-0"	100'-0"	120'-0"

LUMBER SCHEDULE (SEE NOTE 1)
 ROOF PURLIN, RP:

END BAYS:	52 EA x 13' LONG			
INTERIOR BAYS:	104 EA x 12' LONG	156 EA x 12' LONG	208 EA x 12' LONG	260 EA x 12' LONG
ROOF TRUSSES:	14 EA	18 EA	22 EA	26 EA
HEADER, H:	12 EA x 10' LONG (APPROX)	16 EA x 10' LONG (APPROX)	20 EA x 10' LONG (APPROX)	24 EA x 10' LONG (APPROX)
TIMBER POST, C:				
FRONT/BACK WALLS:	14 EA x 14'-6" + PH	18 EA x 14'-6" + PH	22 EA x 14'-6" + PH	26 EA x 14'-6" + PH
END WALLS:	3 EA x 13'-6" + PH / WALL	3 EA x 13'-6" + PH / WALL	3 EA x 13'-6" + PH / WALL	3 EA x 13'-6" + PH / WALL
BRACING, B1:	8 EA x 5'-8" LONG			
BRACING, B2:	28 EA x 7'-1" LONG	36 EA x 7'-1" LONG	44 EA x 7'-1" LONG	52 EA x 7'-1" LONG
WALL PURLIN, WP:				
FRONT/BACK WALLS:	48 EA x 12' LONG / WALL	64 EA x 12' LONG / WALL	80 EA x 12' LONG / WALL	96 EA x 12' LONG / WALL
END WALLS:	32 EA x 12' LONG / WALL			
WALL PURLIN JOIST:				
FRONT/BACK WALLS:	18 EA x 10' LONG / WALL	24 EA x 10' LONG / WALL	30 EA x 10' LONG / WALL	36 EA x 10' LONG / WALL
END WALLS:	12 EA x 10' LONG / WALL	12 EA x 10' LONG / WALL	12 EA x 10' LONG / WALL	12 EA x 9'-4" LONG / WALL
CONCRETE				
DRILLED PIER: (SEE NOTE 2)				
24" DIA PIER	1.57 CY / POST			
48" DIA PIER	3.88 CY / POST			

- NOTES:
- SEE SHEET PB-1 FOR MEMBER SIZES AND REQUIREMENTS
 - CONCRETE QUANTITY FOR BASED ON THE NEAT LINE PIER DIAMETER AND DEPTH SHOW IN THE TABLE ON PB-1. LESS CONCRETE WILL BE REQUIRED FOR OTHER SOIL TYPES IN ACCORDANCE WITH NOTES 6 AND 7 ON SHEET PB-1

	Date
Designed <u>C. BOYD</u>	01/29/09
Drawn <u>R. GUERRERO</u>	01/29/09
Checked <u>D. AXNESS</u>	01/29/09
Approved <u>M. McMILLEN</u>	01/29/09

40'-0" POLE BUILDING
 STANDARD DRAWING
 QUANTITY TAKE-OFF



File Name
 Drawing Name
 PB-4