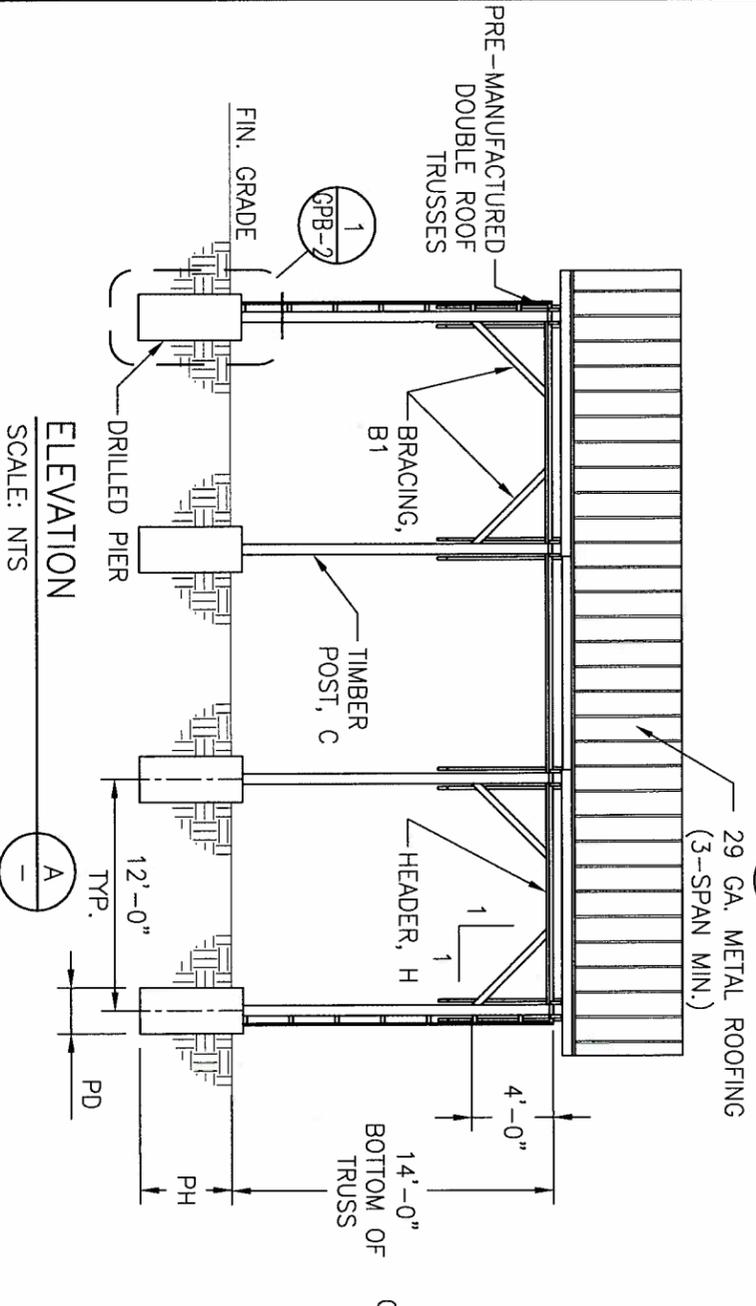


PLAN
SCALE: NTS

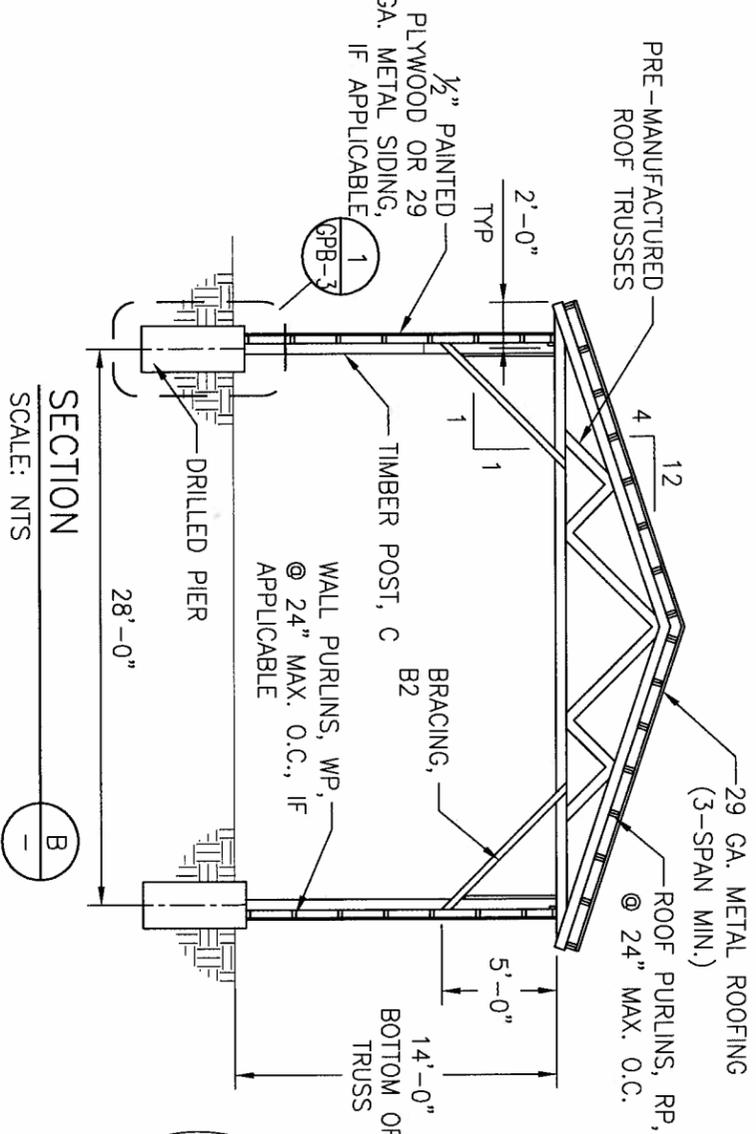


ELEVATION
SCALE: NTS

CHECK APPLICABLE BOX	SNOW LOAD	SIDING	PD	PH (NOTE NO.)	C	B1	B2	H	WP	RP
<input type="checkbox"/>	25 PSF	NONE	24"	6'-4"(6)	8x8	2x4	2-2x4	4x4	N/A	2x8
<input type="checkbox"/>	25 PSF	3 SIDES	48"	8'-3"(7)	10x10	2-2x4	2-2x4	3-2x6	2x6	2x8
<input type="checkbox"/>	60 PSF	NONE	24"	6'-4"(6)	8x8	2x4	2-2x4	4x4	N/A	2x12
<input type="checkbox"/>	60 PSF	3 SIDES	48"	8'-3"(7)	10x10	2-2x4	2-2x4	3-2x6	2x6	2x12

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.



SECTION
SCALE: NTS



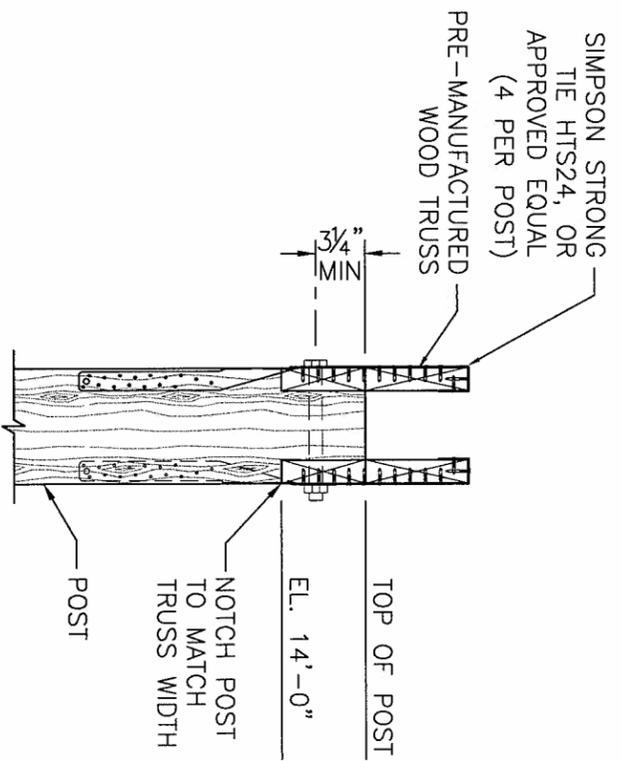
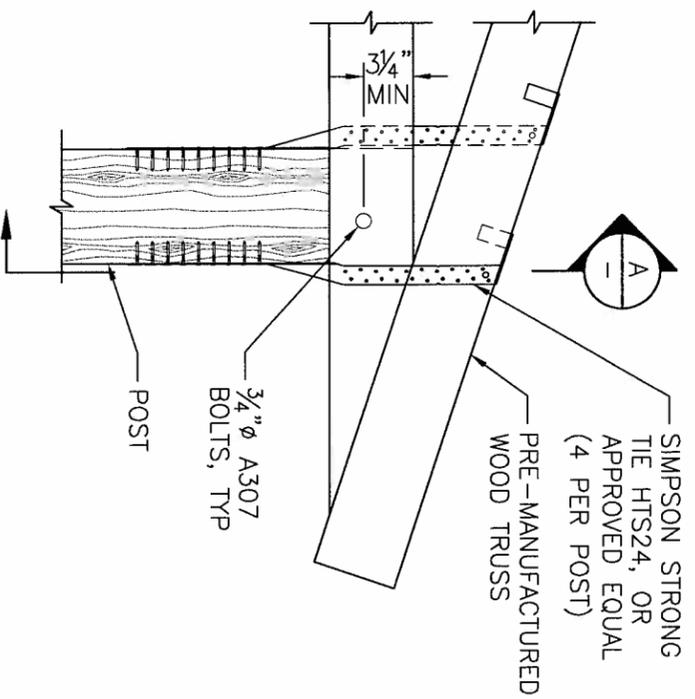

NRCS
 Natural Resources Conservation Service
 United States Department of Agriculture


McMILLEN ENGINEERING

File Name: _____
 Drawing Name: PB-1
 Sheet of: _____

28'x36' POLE BUILDING
STANDARD DRAWING
PLAN, ELEVATION, AND SECTION

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



TRUSS DESIGN CRITERIA					
CHECK APPLICABLE BOX	SPAN	SNOW LOAD	WIND SPEED	B2 RXN *	SIDING
<input type="checkbox"/>	28'-0"	25 PSF	85 MPH	1100#	NONE
<input type="checkbox"/>	28'-0"	25 PSF	85 MPH	1800#	3 SIDED
<input type="checkbox"/>	28'-0"	60 PSF	85 MPH	1100#	NONE
<input type="checkbox"/>	28'-0"	60 PSF	85 MPH	1800#	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:

1. 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

MAXIMUM DESIGN WIND SPEED = 85 MPH
BRACE (B2) REACTION - SEE TABLE

2. 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.

3. 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	Cd = 1.15 (SNOW)
fc parallel = 1000 PSI	fc parallel = 1350 PSI	Cm = 0.85 (fb)
fc perpendicular = 625 PSI	fc perpendicular = 625 PSI	0.90 (EMIN)
Emin = 580 ksi	Emin = 580 ksi	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	

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

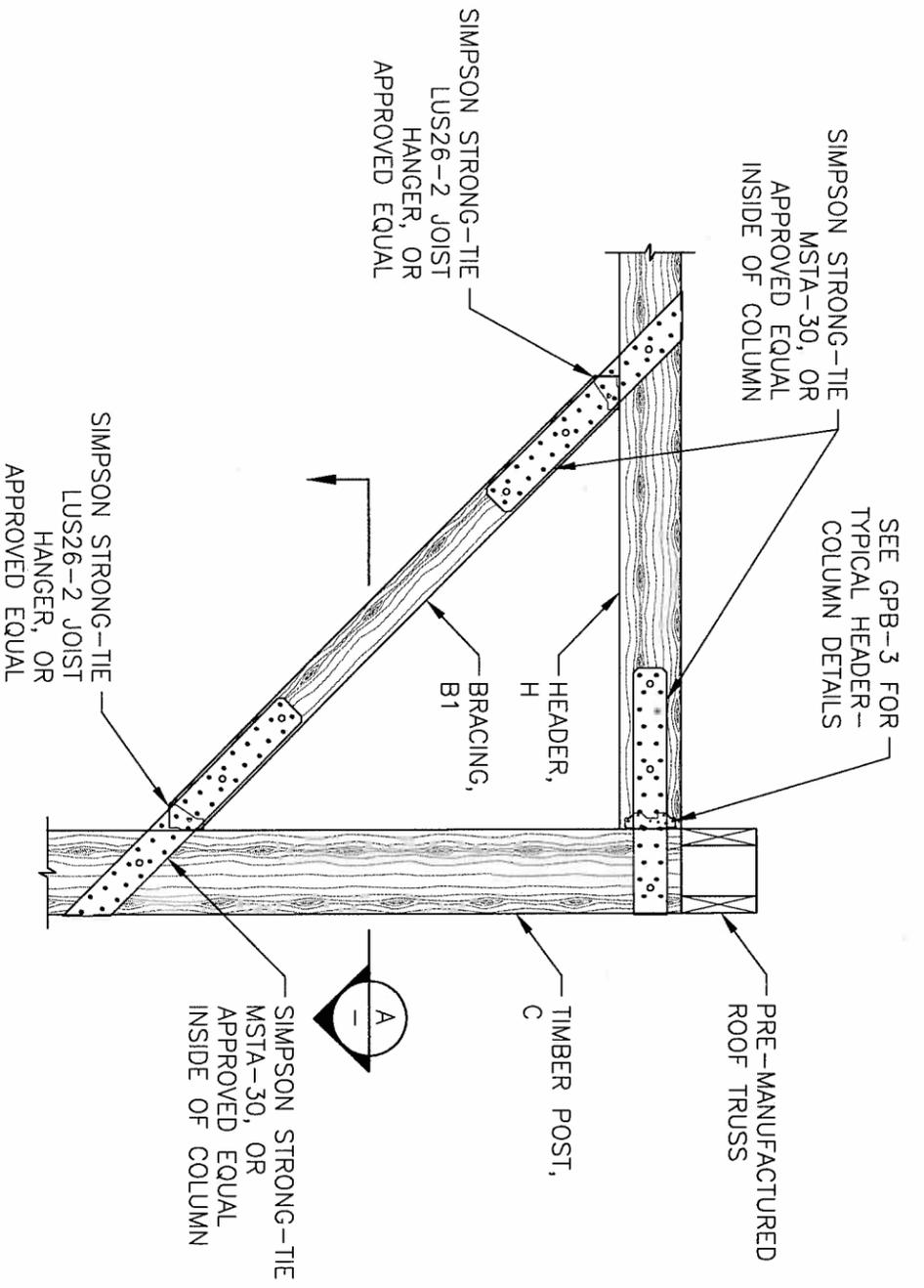


28'x36' POLE BUILDING
STANDARD DRAWING
DESIGN NOTES AND DETAILS

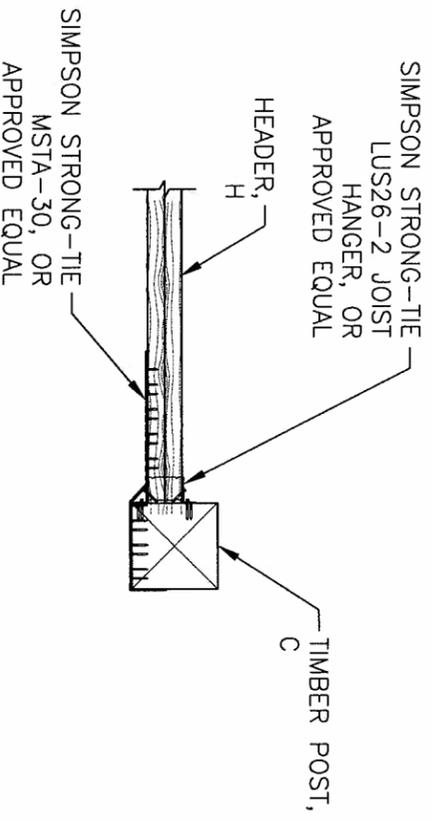
Date	01/29/09
Designed	C. BOYD
Drawn	R. GUERRERO
Checked	D. AXNESS
Approved	M. McMILLEN



File Name
Drawing Name
PB-2
Sheet of



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



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



Sheet _____ of _____ Drawing Name PB-3	NRCS Natural Resources Conservation Service United States Department of Agriculture	ME McMILLEN ENGINEERING	28'x36' POLE BUILDING STANDARD DRAWING DESIGN NOTES AND DETAILS		Date 01/29/09
			Designed <u>C. BOYD</u>	Drawn <u>R. GUERRERO</u>	01/29/09
			Checked <u>D. AXNESS</u>	Approved <u>M. McMILLEN</u>	01/29/09
					01/29/09
					01/29/09

LUMBER SCHEDULE (SEE NOTE 1)

ROOF PURLIN, RP:	
END BAYS:	40 EA x 15' LONG
INTERIOR BAYS:	20 EA x 14' LONG
ROOF TRUSSES:	8 EA
HEADER, H:	6 EA x 12' LONG (APPROX)
TIMBER POST, C:	
FRONT/BACK WALLS:	8 EA x 14'-6" + PH
END WALLS:	2 EA x 13'-6" + PH / WALL
BRACING, B1:	8 EA x 5'-8" LONG
BRACING, B2:	16 EA x 7'-1" LONG
WALL PURLIN, WP:	
FRONT/BACK WALLS:	24 EA x 14' LONG / WALL
END WALLS:	24 EA x 12' LONG / WALL
WALL PURLIN JOIST:	
FRONT/BACK WALLS:	9 EA x 12' LONG / WALL
END WALLS:	9 EA x 9'-4" LONG / WALL
CONCRETE	
DRILLED PIER: (SEE NOTE 2)	
24" DIA PIER	0.74 CY / POST
48" DIA PIER	3.84 CY / POST

NOTES:

1. SEE SHEET PB-1 FOR MEMBER SIZES AND REQUIREMENTS
2. 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



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

28'x36' POLE BUILDING
STANDARD DRAWING
QUANTITY TAKE-OFF



File Name
Drawing Name
PB-4