

## BUILDING DESIGN NOTES AND DETAILS

**EXCAVATION**  
FOOTINGS SHALL BE CIRCULAR (UNLESS NOTED OTHERWISE) AUGURED TO THE DEPTH AND DIAMETER SPECIFIED, WITH ALL LOOSE FILL REMOVED BEFORE CONCRETE FOOTING MATERIAL IS PLACED.

**FOOTINGS**  
STANDARD DEPTH FOR FOOTING EXCAVATION IS 44" FROM FINISH FLOOR HEIGHT. FOOTINGS SHALL BE A MINIMUM OF 36" DEPTH FOR FROST PROTECTION OR: LOCAL BUILDING CODE DEPTH REQUIREMENTS FOR FROST PROTECTION WILL BE FOLLOWED.

DRY MIX CONCRETE WILL BE USED UNLESS OTHERWISE SPECIFIED.

**FRAMING**  
LUMBER FOR SIDEWALL GIRTS AND PERLINS SHALL BE #1 SPRUCE OR COMPARABLE.  
LUMBER FOR SKIRTBORD, POSTS AND BEAMS SHALL BE #1 OR BETTER SOUTHERN YELLOW PINE.  
LUMBER FOR TRUSS CARRIERS SHALL BE #1 OR BETTER SOUTHERN YELLOW PINE.

ALL GROUND CONTACT LUMBER SHALL BE TREATED TO AWPA STANDARDS .60 ACQ OR CCA MINIMUM USING #1 OR BETTER SOUTHERN YELLOW PINE.

**ROOF TRUSSES**  
ROOF TRUSSES SHALL BE PRE-ENGINEERED.  
GROUND SNOW LOAD, DRIFT LOAD, COLLATERAL LOAD, AND WIND LOAD ARE TO BE IN ACCORDANCE WITH LOCAL BUILDING CODE REQUIREMENTS.  
TRUSS ERECTION AND BRACING SHALL BE DONE ACCORDING TO MANUFACTURERS SPECIFICATIONS.  
FRAMING CONNECTIONS

FRAMING CONNECTIONS SHALL BE OF A SIZE AND DESIGN TO MEET DESIGN LOADS SPECIFIED

**FASTENERS/ CONNECTIONS** NAILS USED IN .60 ACQ/CCA TREATED WOOD SHALL BE 12D HOT DIPPED GALVANIZED; ASTM A 153 PLATED 1.2 MIL SCREWS, AND A 65 CLASS G 185 HARDWARE. THE MINIMUM AMOUNT OF 12D NAILS IN 2X4 ROOF PERLINS IS 2. THE MINIMUM AMOUNT OF 12D NAILS IN 2X4 WALL GIRTS IS 3. THE MINIMUM AMOUNT OF 12D NAILS IN 1 $\frac{1}{2}$ " STRUCTURAL BEAMS IS 1 PER  $\frac{1}{2}$ " METAL SIDING AND ROOFING

**METAL SIDING AND ROOFING** SHALL BE INSTALLED WITH #9 WOODGRIP,  $\frac{1}{4}$ " HEX HEAD, METAL AND RUBBER WASHERED GALVANIZED COLOR MATCHING SCREWS OF SUFFICIENT LENGTH TO PENETRATE THE WOOD TO A DEPTH OF 1". METAL SIDING AND ROOFING SHALL BE WARRANTED #1 GRADE COORUGATED 29 GAUGE PAINTED STEEL PANELS GALVANIZED TO A MINIMUM OF G-100.  
METAL SIDING AND ROOFING SHALL BE TRIMMED WITH CORRECT FLASHINGS AT ALL EXPOSED EDGES, ROOF ENDS, CORNERS, DOORS, WINDOWS AND RIDGES, EXCEPT; LOWER SIDING EDGES ON SOME OPEN STYLE LEANTO'S, AND BOTTOM EDGE OF STANDARD ROOFING MATERIALS.

**STRUCTURAL DESIGN PARAMETERS**  
STRUCTURE IS DESIGNED FOR A MAXIMUM WIND LOAD OF 90 MPH (3 SECOND GUST), AND 70 MPH (10 SECOND GUST) UNLESS NOTED OTHERWISE.  
SOIL BEARING CALCULATIONS ARE BASED ON SOIL BASE CONDITION @48" BELOW GRADE UNLESS NOTED OTHERWISE.  
30 PSF(LIVE) MIN.SNOW; 5 PSF BOTTOM CHORD & 5 PSF TOP CHORD LOADS.

## MISCELLANEOUS NOTES

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING BUILDING CODES:  
1999 BOCA CODE  
2003 IBC CODE  
2006 IBC CODE - NJ ADDITION

## DESIGN REFERENCES

2004 APA - THE ENGINEERED WOOD ASSOCIATION  
1997 SOUTHERN PINE COUNCIL (SOUTERN PINE JOISTS & RAFTERS)  
1998 SOUTHERN PINE COUNCIL (SOUTERN PINE HEADERS & BEAMS)  
THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

## WARRANTY NOTES

ANY DESIGN MODIFICATION OR ANY STRUCTURAL MODIFICATION BEFORE, DURING, OR AFTER CONSTRUCTION TO BUILDING BY ANY PERSON(S) OR COMPANY OTHER THAN WORK PERFORMED OR APPROVED BY SHIRK POLE BUILDINGS LLC WILL VOID ANY AND ALL WARRANTIES PROVIDED BY MANUFACTURERS AND/OR SHIRK POLE BUILDINGS LLC.

SUCH DESIGN MODIFICATIONS AND/OR STRUCTURAL MODIFICATIONS INCLUDE:  
DRILLING, REMOVING, CUTTING, SAWING, SPLINTERING OR DAMAGING ANY STRUCTURAL MEMBERS INCLUDING FOOTINGS, POSTS, GIRTS, BEAMS, TRUSSES, PERLINS, PANELS, WINDOWS, DOORS, NAILS, SCREWS, AND BOLTS.

SUCH DESIGN MODIFICATIONS AND/OR STRUCTURAL MODIFICATIONS ALSO INCLUDE:  
ADDING ADDITIONS, SNOW DRIFT LOAD FROM ADDITIONS, LEAN-TO'S, ATTIC STORAGE, CHAIN HOISTS, OPENINGS, SKYLIGHTS, ROOF VENTS, AND LOUVERS.  
SHIRK POLE BUILDINGS, LLC WILL NOT BE LIABLE FOR ANY FAILURES RESULTING FROM THOSE MODIFICATIONS LISTED ABOVE, OR FROM ANY OTHER MODIFICATIONS NOT APPROVED BY A CERTIFIED ENGINEER.



SEAL

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DATE: \_\_\_\_\_  
JOB NO: \_\_\_\_\_  
SPE: REVIEW DRAWN BY: A. SHIRK  
CHECKED BY: \_\_\_\_\_

REVISIONS

NO.	DATE	DESCRIPTION

DATE: \_\_\_\_\_

DETAILS

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