







Nail knee brace to top and bottom cords of truss using 20d nails (dihched) in each cord.

6x6 Post (notch for truss)

CONSTRUCTION NOTES

- A. On ends of 2"x10" Girders, use 20d nails. Where Girders cross treated posts, use 20d nails.
- B. Bracing configuration may be revised by the "truss manufacturer" with the prior approval of the engineer.

BRACING DETAILS

Joint	Span Width	Number of Nails Required
A	≤30'	6
B	>30' & ≤40'	9
C		4
D		3
E		3
F		5
G		2

1. BOLTS, SCREWS, OR METAL PLATE CONNECTORS MAY BE USED INSTEAD OF NAILS. SUCH SUBSTITUTIONS SHALL PROVIDE A CONNECTION OF EQUAL OR GREATER STRENGTH AND DURABILITY, ACCORDING TO THE NATIONAL FOREST PRODUCTS ASSOCIATION'S (NFPA) NATIONAL DESIGN SPECIFICATION.
2. NAILS SHALL BE GALVANIZED AND HAVE RING, SPIRAL, OR SCREW SHANKS ESPECIALLY DESIGNED FOR USE WITH PRESSURE PRESERVATIVE TREATED LUMBER. IF POST EMBEDMENT CONCRETE IS TAKEN TO THE SURFACE, ISOLATE FROM FLOOR CONCRETE WITH TAR PAPER AND GAMBER FOR POSITIVE DRAINAGE. EARTH BACKFILL TO BE PLACED IN COMPACTED 8" LIFTS.
3. PUT 1/2" THICK EXPANSION JOINT MATERIAL BETWEEN 6" X 6" SIDE POSTS AND FLOOR CONCRETE.
4. IF REAR WALL IS TO BE BELOW ORIGINAL GRADE, CONTINUE SIDE DRAIN ALONG BACK WALL, BUT DO NOT HAVE DRAIN TIL HIGHER THAN FLOOR SLAB.
5. BATTENS, MAILERS, POSTS, AND TONGUE AND GROOVE SIDING SHALL BE TREATED AS PER AMERICAN WOOD - PRESERVER'S ASSOCIATION STANDARD C16-82.
6. IF EXPANSION JOINTS IN FLOOR SLAB ARE MORE THAN 30' APART IN EITHER DIRECTION, THE WWF SHALL BE INCREASED TO 6" - W2.9 IN THAT DIRECTION.
7. GEOTEXTILE SHALL HAVE: (A) AN AOS BETWEEN 70 AND 100, (B) A MINIMUM TENSILE STRENGTH OF 100 LBS., AND (C) A MINIMUM PUNCTURE STRENGTH OF 40 LBS.
8. POSTS SHALL BE SOUTHERN PINE NO. 2-SR GRADE OR DOUGLAS FIR-LARCH NO. 1 GRADE (SURFACE GREEN, USED AT ANY CONDITION). ALL OTHER LUMBER SHALL BE SOUTHERN YELLOW PINE OR DOUGLAS FIR-LARCH NO. 2 GRADE (SURFACE DRY, USED AT 19% MAXIMUM MOISTURE CONTENT). SUBSTITUTION OF OTHER SPECIES AND GRADES WITH EQUAL OR GREATER BENDING STRENGTH (AS PER NFPA DESIGN VALUES FOR WOOD CONSTRUCTION) MAY BE MADE IF APPROVED BY THE ENGINEER.
9. TRUSSES SHALL BE DESIGNED FOR DEAD LOAD PLUS EACH OF THE FOLLOWING SEPARATE CONDITIONS:
 - (A) UNIFORM LOAD OF 20 PSF ON ENTIRE TRUSS
 - (B) UNIFORM LOAD OF 30 PSF ON HALF TRUSS
 - (C) UNIFORM UPLIFT OF 5 PSF UNDER ENTIRE TRUSS
 SHOP DRAWINGS AND CERTIFICATIONS SHALL BE PROVIDED BY THE MANUFACTURER/SUPPLIER. (TRUSS AND STRINGER CONFIGURATION SHOWN IS FOR ILLUSTRATION PURPOSES ONLY).
10. ROOF GUTTERS WITH DOWNSPOUTS MAY BE SUBSTITUTED FOR DRIPLINE DRAIN. EITHER ALTERNATIVE MUST HAVE NON-EROSIVE, POSITIVE OUTLETS. ROOF GUTTERS SHALL MEET THE REQUIREMENTS OF NRCS CONSERVATION PRACTICE 538.
11. END TRUSSES SHALL BE FACED WITH 3/4" EXT. C-C STRUCTURAL I PLYWOOD, CORRUGATED 28 GAUGE GALVANIZED STEEL ROOFING, AN EQUIVALENT, OR BETTER.
12. ALL FINAL CUT/FILL SURFACES SHALL BE GRADED TO DIRECT SURFACE WATER AWAY FROM THE STRUCTURE.

REDRAWN: TJA 7/05

Designed by	A. WOOD	Date	11/98
Drawn by	S. BURN	Date	12/98
Checked by		Date	
Approved by		Date	



_____ COUNTY, PENNSYLVANIA
ROOFED STACKING STRUCTURE - SOLID MANURE

NOT TO SCALE
 ADOPTED FROM WV-ENG-85
 AND MO-84-02