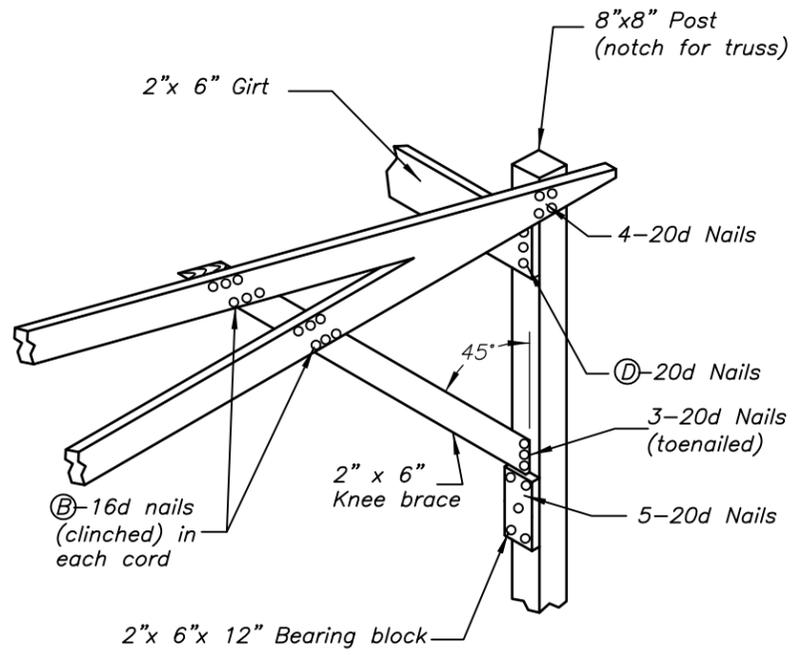


BRACING DETAIL

- NOTES:**
- A. On ends of 2"x 6" girders, use (D) - 20d galvanized nails. Where girders cross treated posts, use (E) - 20d galvanized nails.
 - B. Bracing configuration may be revised by Truss manufacturer with the prior approval of the Engineer.

Joint	NUMBER OF NAILS REQUIRED	
	Span Width	
	≤30'	≥30' & ≤40'
A	4	6
B	6	9
C	4	4
D	3	3
E	3	5



BRACING DETAIL
(at end of building)

- NOTES:**
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, screw shanks especially designed for use with pressure preservative treated lumber.
 3. If post embedment concrete is taken to the surface, isolate from floor concrete with tar paper and camber for positive drainage. Earth backfill to be placed in compacted 8" lifts.
 4. Put 1/2" thick expansion joint material between 8"x 8" side posts and floor concrete.
 5. If rear wall is to be below original grade, continue side drain along back wall, but do not have drainfill higher than floor slab.
 6. Battens, nailers, posts, and tongue and groove siding shall be treated with 0.4 pounds per cubic foot of preservative.
 7. 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 or No. 4 bars at 12" C.C..
 8. For further details, see Missouri Construction Specification 313-A.
 9. 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% 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.
 10. 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.)
 11. Roof gutters with downspouts may be substituted for dripline drain. Either alternative must have non-erosive, positive outlet. Roof gutters shall meet the requirements of NRCS Conservation Practice 558.
 12. End trusses shall be faced with 3/4" Ext. grade, pressure treated Structural plywood, corrugated 29 gage galvanized steel roofing, an equivalent, or better.
 13. All final cut/fill surfaces shall be graded to direct surface water away from the structure.
 14. Attach Purlins to rafters with manufactured framing anchors.

ROOFED STACKING STRUCTURE
SOLID MANURE

Date	
Designed	
Drawn	
Checked	
Approved	



DRAFT

NOT FOR
CONSTRUCTION

File Name	
Drawing Name	29-N-652
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