

DESIGN DIMENSION WORKSHEET
FOR
DRY MANURE AND DEAD BIRD COMPOSTING BARN

NAME: _____ COUNTY: _____ STATE: _____

DATE: _____

PURPOSE: _____

LOCATION: North Alabama Table 1 ___ 1a ___
South Alabama Table 2 ___ 2a ___

TRUSS DESIGN Minimum design load = 20 psf live load
Plus dead load of roof

Roof Slope: 4:12 _____ 5:12 _____

Truss span between supports _____ ft.

Supplier designed Yes ___ No ___. If Yes attach copy of design computations certified by a registered engineer. If No state designer and approving engineer.

Designed by _____ Approved by _____

POST DESIGN

Post height _____ ft. Post spacing (C-C) _____ ft.

Does building have composter or reinforced block walls providing rigid support to posts @ about 5 ft. above floor? Yes ___ No ___

If Yes, go to "with rigid support".

With rigid support: Will wall above composter have siding? Yes ___ No ___

Post size from Table _____ in. x _____ in.
nominal ___ full size ___

Without rigid support: Will wall have siding? Yes ___ No ___

Post size from Table _____ in. x _____ in.
nominal ___ full size ___

POST EMBEDMENT DEPTH

Foundation description: Soil Name _____
 Unified classification symbol _____ General Description (Excavated,
 compacted fill, depth to seasonal water table, etc.)

NOTE: Designs for structures on weak, soft, wet or highly plastic soils must be checked by an Engineer.

Are posts encased in a floor slab? Yes ____ No ____

If Yes, embedment = 3 ft. min. below top of slab.

If No, embedment = _____ ft. min. from Table

GIRDER DESIGN*

Are trusses or side shed rafters supported by girders?
 Yes ____ No ____

If No: Use minimum size from Table, 1 - 2 in. x _____ in.

If Yes: Supports trusses only, from Table
 _____ - 2 in. x _____ in. with/without girder braces.

Supports side shed rafters only, from Table
 1 - 2 in. x _____ in. with/without girder braces.

Supports side shed rafters and trusses, from Table
 2 - 2 in. x _____ in. with girder braces.

PURLIN DESIGN*

Distance between trusses, _____ ft. = Purlin Span

Purlin size from Table, _____ in. x _____ in.

Laid flat _____ on edge _____

*All dimensions are nominal unless otherwise stated by the designer.