

SAFETY REGULATIONS

ALL EXCAVATION AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MARYLAND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (MOSHA) STANDARDS AS SET FORTH IN THE LATEST VERSION OF THE CODE OF MARYLAND REGULATIONS

THERE WILL BE NO CHANGES IN SPECIFICATION, DIMENSIONS, OR MATERIALS UNLESS APPROVED BY THE ENGINEER RESPONSIBLE FOR THIS DRAWING.

THE DRAWINGS ARE PREPARED COOPERATIVELY BY THE NATURAL RESOURCE CONSERVATION SERVICE FOR THE NAMED LANDOWNER. CONSTRUCTION FOUND NOT IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS SHALL VIOLATE THE COOPERATIVE AGREEMENT AND ALL DRAWINGS, SPECIFICATIONS, AND QUANTITIES ESTIMATE SHALL IMMEDIATELY BE RETURNED TO THE LOCAL NRCS OFFICE.

CONSTRUCTION NOTIFICATION

The Contractor/Owner is to notify the _____ DISTRICT _____ SOIL CONSERVATION DISTRICT at least 72 hours prior to construction to facilitate any scheduling, layout, or preliminary mobilization necessary to ensure proper construction inspection to enable appropriate certification of the project.

It is the Landowner's responsibility to obtain all County, State, and Federal permits that may be needed, and to maintain this structure and related regulations.

GENERAL NOTES:

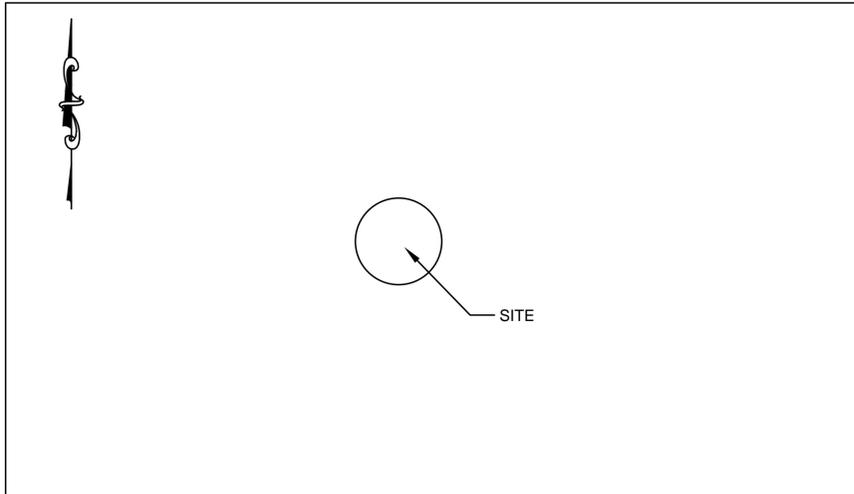
- PLEASE CONTACT THE DISTRICT SOIL CONSERVATION DISTRICT AT LEAST 3 DAYS PRIOR TO CONSTRUCTION TO ARRANGE A PRE-CONSTRUCTION MEETING @ PHONE #
- A CONSERVATION TECHNICIAN SHALL VERIFY CUT/GRADE STAKES AT THE CONTRACTORS REQUEST

OWNER/CONTRACTOR STATEMENT

I CERTIFY THAT THIS DESIGN HAS BEEN EXPLAINED TO ME BY A REPRESENTATIVE OF THE _____ DISTRICT _____ SOIL CONSERVATION DISTRICT, AND I UNDERSTAND THE CONTENTS, ALL CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND SPECIFICATIONS, I FURTHER UNDERSTAND THAT ALL CONSTRUCTION WILL BE UNDER THE INSPECTION OF THIS OFFICE.

OWNER'S SIGNATURE _____ DATE _____

CONTRACTOR'S SIGNATURE _____ DATE _____



VICINITY MAP
N.T.S.

CRITICAL INSPECTION ITEMS
(Roofed Waste Storage Facility and/or Covered Feeding Area)

- The landowner will arrange for a pre-construction meeting between the contractor, NRCS and landowner to review the plans, standards and specifications prior to the start of construction.
- There will be no changes in specifications, dimensions, or materials unless approved by the engineer responsible for this drawing.
- The drawings are prepared cooperatively by the Natural Resources Conservation Service for named owner/operator. Construction found not in accordance with these drawings and specifications shall violate the cooperative agreement and all drawings, specifications, and Quantities Estimate shall immediately be returned to the local NRCS office.
- The following is a list of items that must be inspected by the Technician-in-Charge. If cost share is involved, payment may be forfeited if the Technician-in-Charge does not inspect all of the below:
 - Preconstruction Meeting Date: _____ Initials: _____
 - Verify layouts: Date: _____ Initials: _____
 - Verify all subgrades: Date: _____ Initials: _____
 - Verify all subgrade materials CR-6 etc: Date: _____ Initials: _____
 - Verify reinforcing steel grade, size and placement:
 - Footings: Date: _____ Initials: _____
 - Walls and/or curbs: Date: _____ Initials: _____
 - Floor: Date: _____ Initials: _____
 - Inspect all concrete in accordance with specifications:
 - Footings: Date: _____ Initials: _____
 - Walls and/or curbs: Date: _____ Initials: _____
 - Full dimension wall ties: Date: _____ Initials: _____
 - Floor: Date: _____ Initials: _____
 - Proper curing of concrete: Date: _____ Initials: _____
 - Patching wall ties, holes and honeycombing: Date: _____ Initials: _____
 - Roof inspection in accordance with plans:
 - Posts size, material and installation: Date: _____ Initials: _____
 - Preservative treatment or use code: Date: _____ Initials: _____
 - Headers or embedment installation: Date: _____ Initials: _____
 - Header size, material and installation: Date: _____ Initials: _____
 - Hardware size, spacing, and type: Date: _____ Initials: _____
 - Knee brace (post to truss) size and material: Date: _____ Initials: _____
 - Hardware size, spacing, and type: Date: _____ Initials: _____
 - Y brace (post to header) size and material: Date: _____ Initials: _____
 - Hardware size, spacing, and type: Date: _____ Initials: _____
 - Hurricane straps: Date: _____ Initials: _____
 - Received/reviewed truss design sheet: Date: _____ Initials: _____
 - Purlins material and installation: Date: _____ Initials: _____
 - Hardware size, spacing, and type: Date: _____ Initials: _____
 - Roofing, material and installation: Date: _____ Initials: _____
 - Hardware size, spacing, and type: Date: _____ Initials: _____
 - Backfill placement and compaction: Date: _____ Initials: _____
 - All disturbed areas seeded and mulched: Date: _____ Initials: _____

Other items shown on the plans: Date: _____ Initials: _____

GENERAL CONSTRUCTION NOTES AND SEQUENCE

- Before construction begins contact the District Office for a preconstruction meeting. It is the landowner's responsibility to obtain all necessary permits and to maintain this structure in accordance to those regulations.
- All materials and construction shall be in accordance with applicable NRCS standards and construction specifications.
- All components of the completed system shall conform to the lines, grades, elevations, dimensions and materials shown on the plans.
- Any changes in the plans or specifications must be approved by the original plan approver prior to being made. Changes are to be reviewed by the landowner for concurrence.
- Prevent any sediment from leaving the construction site by installing a silt fence where appropriate.
- Salvage topsoil and fill material and stockpile to use for final grading of the site.
- Clear and grub all areas necessary for the construction of the structure.
- Construct pad for structure. Fill material under the structure shall be placed in maximum 8-inch lifts (before compaction). The lifts shall be compacted by traversing of the entire surface by not less than one track of the equipment or by a minimum of four complete passes with a sheepfoot, vibratory, or rubber tire roller.
- The base (SC, SC-SM, GC, GC-GM, USCS classification) shall be capable of compaction to support the equipment wheel loads without displacement. Material used for sub-base shall be approved by the technician in the field prior to use. Compaction shall be accomplished by at least one pass of the equipment used for grading over the entire surface.
- The compacted base shall extend a minimum distance of one (1) foot beyond the outer edge of the post. It is to be placed prior to post installation.
- Filter fabric used shall be from an approved list of manufacturers. The manufacturer must submit certification and test data to NRCS for approval showing: (a) EOS between 70 and 100 (b) woven or nonwoven fabric material (c) tensile strength of 100 lb. min. (d) puncture strength of 40 lb. min. and (e) abrasion resistance of 25 lb. in any principal direction.
- Construct Waste Storage Facility in accordance with the plan. The finished floor elevation shall be a min. 2' above seasonal high water table.
- Perform final grading of the site. Place fill material around structure in maximum 4-inch lifts (before compaction). Compaction shall be performed at the optimum moisture content with hand tampers or other manually directed compaction equipment. Backfill shall be kept approximately level around all parts of the structure.
- Topsoil all disturbed areas and filter strips using on-site salvaged topsoil. Apply lime and fertilizer according to specifications. Seed and mulch the filter strip and all disturbed areas as specified. All disturbed areas to be stabilized within 14 days of completion.



**Know what's below.
Call before you dig.**

"The Soil Conservation District makes no representation as to the existence or Non-existence of any utilities at the construction site. Shown on these construction drawings are those utilities which have been identified. It is the responsibility of the landowners or operators and contractors to assure themselves that no hazard exists or damage will occur to utilities"



SIGN REQUIRED FOR BEEF, POULTRY AND HORSE DRY STACKING STRUCTURES. PLACE ONE SIGN AT EACH ENTRANCE/ACCESS POINT.

DESIGN NOTE:

A site-specific design, in addition to the pre-qualified drawing is required. The site-specific design shall include a location map, plan view, dimensions, soil conditions, high water table, drainage components, and construction specifications needed to complete the project.

AS-BUILT STATEMENT

PROJECT MEETS NRCS STANDARDS AND SPECIFICATIONS

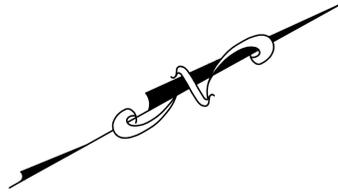
INSPECTED BY _____ SIGNATURE _____ DATE _____

CONSTRUCTION APPROVAL _____ SIGNATURE _____ DATE _____

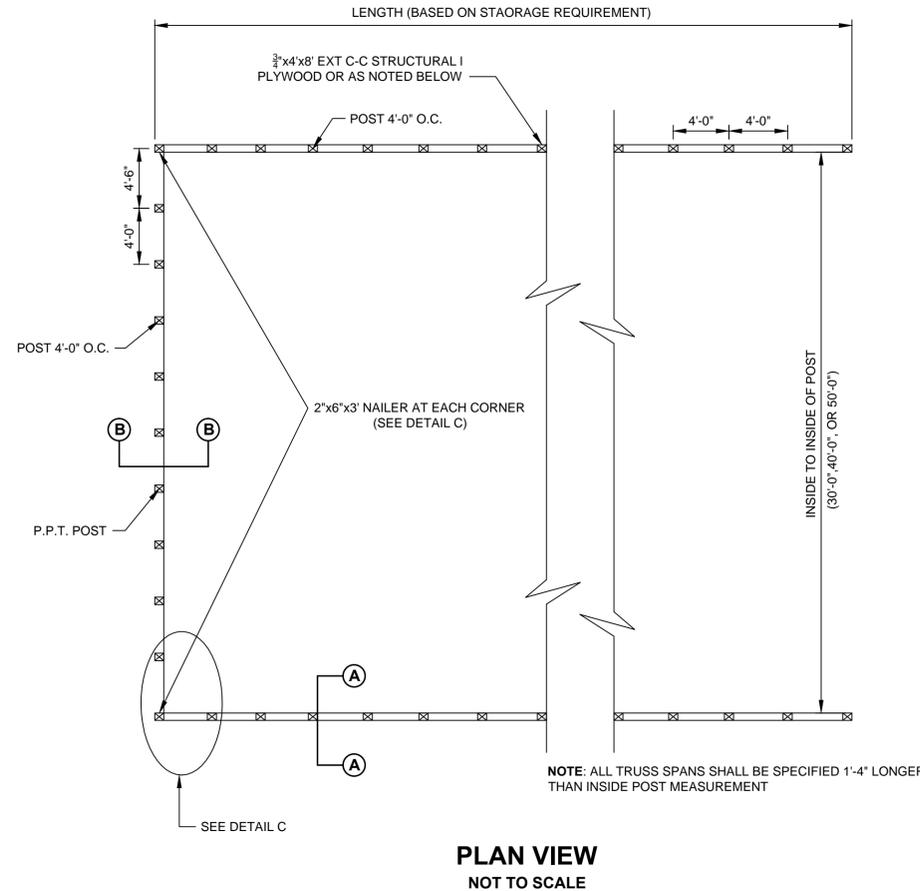
VERIFIED DISTRICT CONSERVATIONIST _____ SIGNATURE _____ DATE _____

DESIGNED	MM/YY
	MM/YY
DRAWN	MM/YY
	MM/YY
CHECKED	MM/YY
	MM/YY
LANDOWNER 313 - ROOFED WASTE STORAGE FACILITY (POULTRY) TRACT _____ City, Maryland	
Approved _____ Date _____ Title _____ Job Class _____	
United States Department of Agriculture Natural Resources Conservation Service	
REVISIONS	Approved
Date	Description
File No.	*.DWG
Sheet 1 of 2	

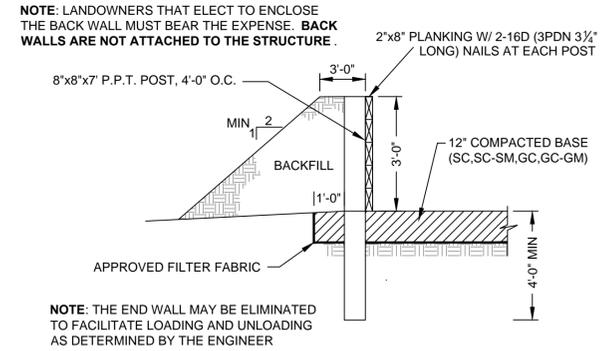
MATERIALS LIST



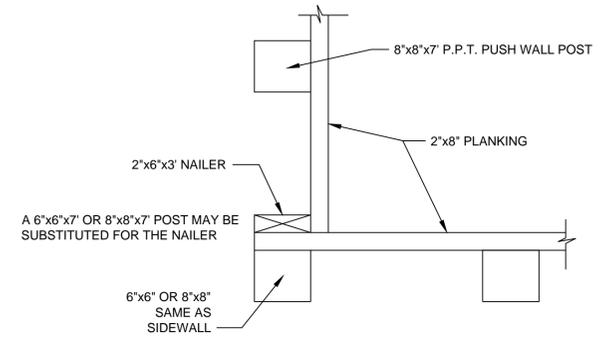
PLAN VIEW



PLAN VIEW NOT TO SCALE



B-B SECTION NOT TO SCALE



DETAIL C NOT TO SCALE

ROOFING CONSTRUCTION NOTE:
ROOFING MATERIAL MUST BE STORED PROPERLY IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ROOFING MATERIAL MUST BE COVERED IF IT IS STORED OUTSIDE TO PREVENT PREMATURE DETERIORATION.

WHEN THE STRUCTURE IS USED FOR ANIMAL CONFINEMENT, INSTALL 1/4 INCH THICK EXTRUDED POLYSTYRENE FOAM INSULATION BENEATH THE ENTIRE ROOF AND BETWEEN THE ROOFING AND THE WOOD FRAMING AND INSTALL A RIDGE VENT SPECIFICALLY DESIGNED FOR ANIMAL CONFINEMENT STRUCTURES. GALVALUME IS NOT PERMITTED FOR ANIMAL CONFINEMENT STRUCTURES.

ALUMINUM ROOFING MAY BE USED IN LIEU OF STEEL. ROOF SHALL BE DESIGNED CONSIDERING EXPANSION AND CONTRACTION AND COMPATIBILITY WITH OTHER METALS. THE ALUMINUM ROOFING SHALL HAVE A MINIMUM THICKNESS OF 0.018 INCHES AND A MAXIMUM SHEET LENGTH OF 16 FEET. JOINTS SHALL HAVE SUFFICIENT OVERLAP AND FASTENED WITH STAINLESS STEEL SCREWS. THE FASTENER HOLES SHALL BE DRILLED AND SLOTTED AND NEOPRENE WASHERS USED.

DESIGN NOTE:

A SITE-SPECIFIC DESIGN IS REQUIRED AND SHALL INCLUDE A LOCATION MAP, PLAN VIEW, DIMENSIONS, SOIL CONDITIONS, HIGH WATER TABLE, DRAINAGE COMPONENTS, AND CONSTRUCTION SPECIFICATIONS NEEDED TO COMPLETE THE PROJECT.

TIMBER CONSTRUCTION NOTES

1. All lumber below the fascia board level shall be preservative pressure treated Southern Yellow Pine, No.2 KD, 19% m.c. or better. All other lumber may be either Southern Yellow Pine or Spruce-Pine-Fir No. 2 or better unless specified otherwise. Protection such as clear preservative, paint, or pressure treatment shall be required for the plywood. Timber shall be pressure treated in accordance with the chart below.

Use Codes for Treated Building Materials	
Use Code for Ground or Manure Contact Lumber	UC4B
Use Code for all other Treated Lumber	UC4A

2. All metal hardware and nails shall be stainless steel or hot-dip galvanized (HDG). Stainless steel shall be grade types 304 or 316. Hot dipped galvanized fasteners shall conform to ASTM A 153 and hot-dip galvanized connectors shall conform to ASTM Standard A 653 (Class G-185).

All fasteners, connectors, and any other metal contacting ACZA, ACQ or CA treated wood shall be stainless steel.

There may be additional products (other than stainless steel and hot-dip galvanized) which are suitable for use in treated wood except for the types listed in the note above. These screws and connectors have proprietary anti-corrosion technologies and are acceptable for treated wood exposed to moisture when used according to the hardware manufacturer's recommendations and must be clearly marked "for use with" the type of treated wood being used.

3. All structural nail connections must be nailed with twisted or ring shank nails.
4. Power driven nails (PDN) shall be 0.131 Diameter or larger, deformed shank, and helical (spiral) or annular (ring) type. The number and length of 0.131 diameter power driven nails is specified in parenthesis next to each connection. Pressure shall be applied to wood members to insure tight joints when using power driven nails. The head of the nail may not be countersunk more than 1/16" into the wood.

TRUSS DESIGN NOTES

Truss shown on the drawing is for illustration purposes only. Trusses shall be designed and approved by a licensed engineer. Truss manufacturer shall furnish all drawings for bracing required on trusses. Scissors trusses are acceptable with a level bearing plate.

Truss Design:

Span: (Specify span to outside of post)
Slope: 5 in 12
Truss Spacing: 4' 0" on center
Overhang: 1'-0"
Gable end trusses shall be sheathed

Truss Loadings: MINIMUM LOADINGS ARE SHOWN BELOW (COUNTY MAY REQUIRE HIGHER LOADINGS)

Top chord Live Load, see listing below, Dead Load 5 psf
Bottom chord Live Load 0 psf, Dead Load 5 psf

Garrett, Allegany, and Washington counties:

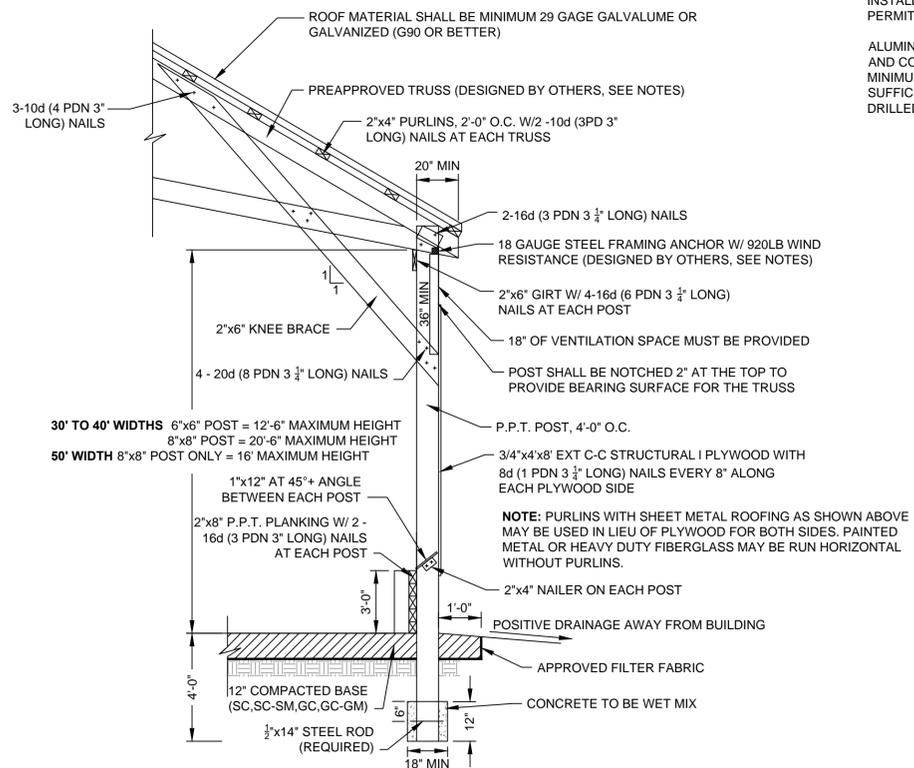
Top chord Live Load 28 psf, Dead Load 5 psf

Frederick east to Harford counties including southern Maryland counties:

Top chord Live Load 21 psf, Dead Load 5 psf

Cecil county and Eastern Shore counties:

Top chord Live Load 16 psf, Dead Load 5 psf



A-A SECTION NOT TO SCALE

LANDOWNER		PRACTICE(S)					
TRACT							
TOTAL AREA	AREA 1	AREA 2	AREA 3				
MATERIALS/RATE	AMOUNT PLANNED	AMOUNT APPLIED	AMOUNT PLANNED	AMOUNT APPLIED	AMOUNT PLANNED	AMOUNT APPLIED	
FERTILIZER 10-20-20 500LBS/AC							
LIME - 2TNS/AC DOLOMITIC							
SEED MIXTURE (SEE BELOW)							
MULCH 2 TNS/AC							
ENTER KINDS AND AMOUNT OF SEED BELOW				NOTE: INOCULATE ALL LEGUMES			
AREA 1 NRCS SEED MIX #	AREA 2 NRCS SEED MIX #	AREA 3 NRCS SEED MIX #					
SITE PREPARATION AND OTHER PERTINENT INFORMATION: DISK ALL DISTURBED AREAS TO A DEPTH OF 4-6" CULTRIPACK AFTER SEEDING							
PLAN APPROVED BY:			CHECKED FOR TECHNICAL COMPLIANCE BY:				
TITLE	DATE	TITLE	DATE				
SEEDING		DRAWING NO. S-1.0					
		ISSUE DATE: 7/2014					

MM/YY	Designed	Drawn	Checked
LANDOWNER			
313 - ROOFED WASTE STORAGE FACILITY (POULTRY) TRACT			
City, Maryland			
Approved	Date	Job	Class
Maryland Department of Agriculture			
District Soil Conservation District			
United States Department of Agriculture		Natural Resources Conservation Service	
REVISIONS	Approved		
Date	Description		
File No. *DWG			
Sheet 2 of 2			