

Technical Specifications

Construction of a 50'x50'x 20' clear height Salt Shed

SIZE

- Salt Shed 50' wide x 50' length 20' clear span height.
- Center height scissor truss to be 25'.
- One side open. Return walls on the open side shall not return more than 3' either side.
- Total square feet under roof 2,500 square feet.

STRUCTURE

- Asphalt roof shingles over 5/8" plywood. Architectural GAF shingles or equal with lifetime warranty.
- Premanufactured Scissor trusses 4/12 pitch at 2' o/c with 2' overhang at all sides. Center height minimum 25' tall clear span. Compliant with applicable codes that govern.
- Construction with prefabricated concrete panels or solid reinforced concrete wall per applicable New Jersey Code. Masonry wall is to extend a minimum of 9' above the interior finished floor elevation and be able to withstand push and loading from a four-wheel drive 116hp, 21,000-pound loader.
- Conventional (Douglas fir) 2x6 wall construction 16" o/c constructed on pressure treated sill plate attached to the concrete wall. Wall to have a double top plate with minimum height of 20'.
- Treated 3/4" plywood to be installed on the interior of the 2x6 conventionally framed wall at a height no less than 6' above the foundation wall.
- Vertical metal siding hi-rib (26 gauge) over 1/2" plywood sheathing and building wrap (Tyvek or equal).
- Provide Aluminum vented soffits and fascia.
- 6" thick 4500 psi (air entrained) cast in place fiber reinforced concrete floor slab over 4 inches of 3/4" compacted gravel base with a 6-mil vapor barrier. Control and isolation joints as necessary to reduce expansion and future cracking. Joints shall be caulked. Provide crystalline waterproofing additive to concrete. Product such as supplied by
 - Xypex Admis 500
 - Penetron Add Mix
 - Euclid-Ucon Vandex AM-10
 - Or Equal approved by Harding Township
- Provide 6" gutters and 4" x 5" leaders and shall terminate at splash blocks.

GRADING & DIGGING

- Initial Grading- Owner to complete initial site grading prior to setting of building foundation. Completed rough grading by owner to be within 6" +/- of required bottom of footing. Extra fill will be stockpiled for future use.

- Interior Fill- Contractor to be responsible for the fill and compaction of the area within the foundation walls. Material shall be $\frac{3}{4}$ " NJDOT DGA supplied by Contractor. Material shall be placed in lifts no greater than 6" with required compaction of >95% proctor. Final Compaction testing may be completed by the Township. Anticipated 250 yards of material supplied and placed by Contractor
- Exterior Backfill- Contractor responsible for fill and compaction of an area that is 5 feet outside the structure's foundation walls. Surface of material shall be sloped away from the foundation on 3 sides at a slope of 3:1 or as necessary. Materials for this work will be supplied by owner from on-site fill stockpiling. Anticipate 170 cubic yards of material supplied by owner. Foundation material used in front of the open side of the structure shall be $\frac{3}{4}$ " NJDOT DGA supplied by Contractor placed and compacted in lifts no greater than 6 inches as typical.
- Final Backfill- Final grading and seeding by Owner.

PRINTS & DOCUMENTS

- Successful Bidder to provide complete sets of plans for salt shed designed and stamped by a New Jersey Licensed Architect to obtain approval from Harding Township.
- Success bidder to provide complete set of plans for the salt shed designed and stamped by a New Jersey Licensed Architect to secure the necessary building permits per the New Jersey Uniform Construction Code and establish compliance with necessary codes.
- Walls and floor to be designed and constructed for push and loading from a four-wheel drive 116hp, 21,000-pound loader. Floor to have capability to withstand the weight for dumping of a triaxle weighing up to 80,000 lbs.

FEES & PERMITS

- Fees for building permits, zoning fees or variances will be paid by the Township of Harding, if and when necessary.

SUBMITTALS

- Successful Bidder to submit MSDS sheets and samples/literature of all products used.
- Owner to review designed plans and approve them before start of project.
- Owner to review submittals of products and colors and approve them before project commences. These shall be submitted with permit packages for permits.
- Successful Bidder must submit certified payrolls every two weeks.