

**A. FABRICATION AND ASSEMBLY**

- UNLESS OTHERWISE NOTED, BUILDING MATERIALS SPECIFIED ON THIS DRAWING ARE SUPPLIED BY AMISH COUNTRY GAZEBOS.
- WOOD MEMBERS ARE PRECUT PRIOR TO SHIPPING AND SOME BUILDING ELEMENTS MAY BE PRE-ASSEMBLED.
- BUILDING MATERIALS (LUMBER, FASTENERS, HARDWARE, ASSEMBLIES) ARE SHIPPED AS A COMPLETE PACKAGE TO THE JOBSITE FOR FINAL ASSEMBLY.

**B. BUILDING CODES AND STANDARDS**

- THE MASSACHUSETTS STATE BUILDING CODE (9th EDITION), INCLUDING ALL CODES AND SPECIFICATIONS REFERENCED WITHIN, SHALL APPLY TO THE DESIGN, CONSTRUCTION AND QUALITY CONTROL OF ALL WORK PERFORMED ON THE PROJECT
- ADDITIONAL DESIGN STANDARDS FOR MATERIALS SHALL BE FOUND IN THE APPROPRIATE SECTIONS THAT FOLLOW.

**C. DESIGN LOADS**

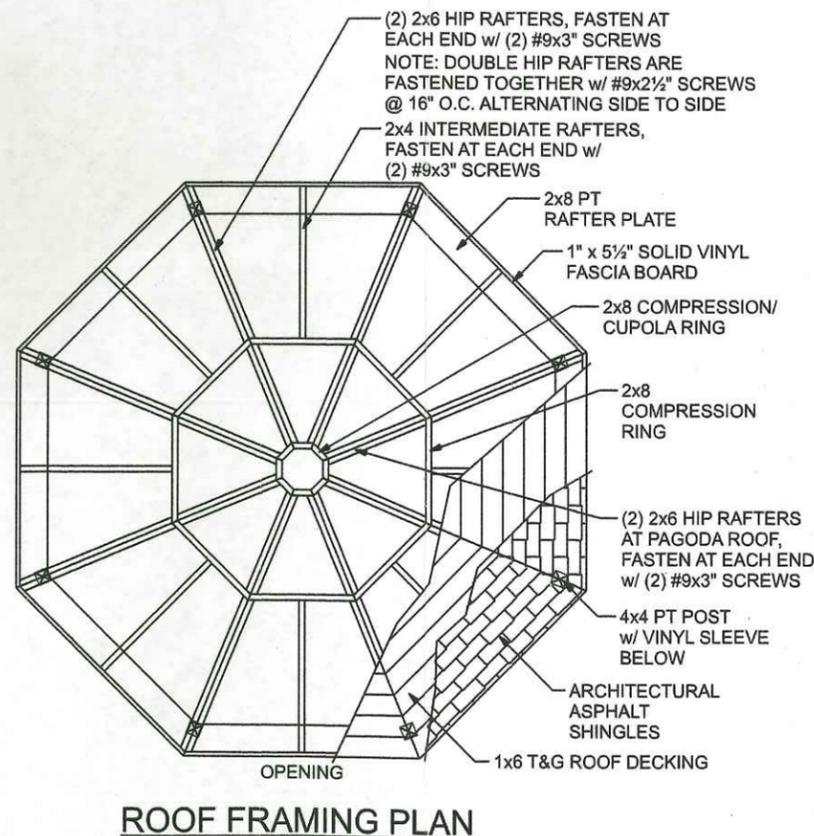
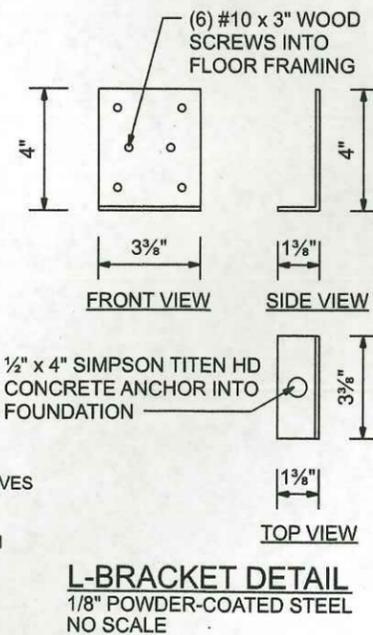
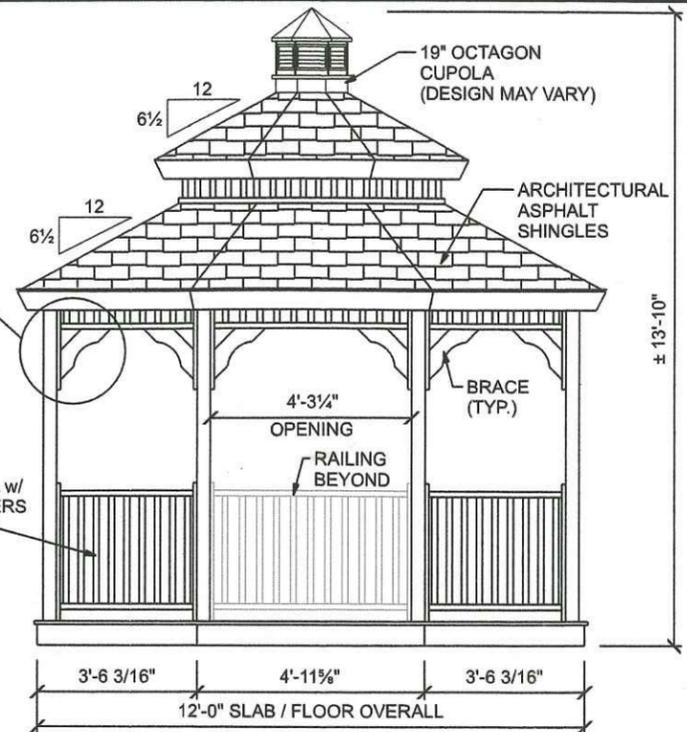
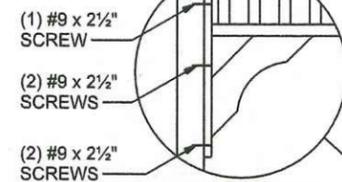
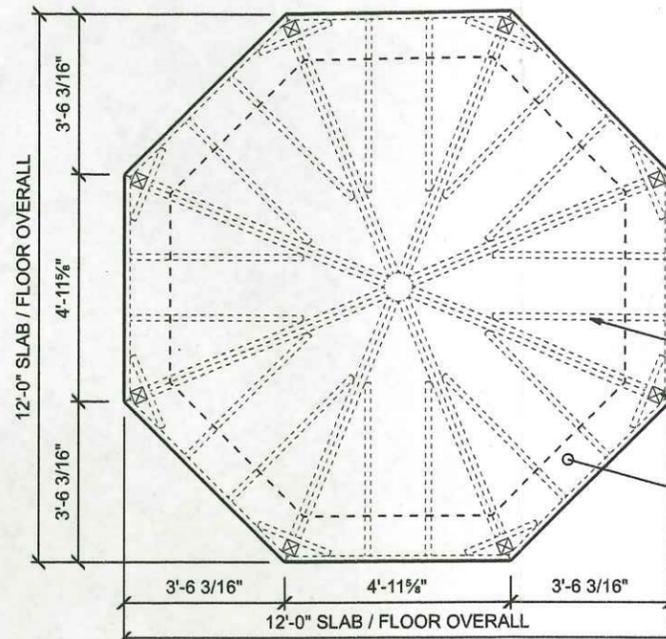
- ROOF DEAD LOAD: 6 PSF
- ROOF LIVE LOAD: 20 PSF
- SNOW LOAD:
  - Pg (GROUND SNOW): 50 PSF
  - Is (IMPORTANCE FACTOR): 1.0
  - Ce (EXPOSURE FACTOR): 1.0
  - Ct (TEMPERATURE FACTOR): 1.2
  - Pf (FLAT ROOF LOAD): 42 PSF
- WIND LOADS:
  - WIND SPEED (Vult): 130 MPH
  - USE CATEGORY: II
  - EXPOSURE CATEGORY: B
- FLOOR LIVE LOAD = 60 PSF (WHEN FLOOR FRAMING IS CONTINUOUSLY SUPPORTED BY CONCRETE SLAB)

**D. FOUNDATIONS**

- EXCAVATED SURFACES SHALL BE FREE OF ALL ORGANIC MATERIAL, TOP SOIL AND ANY OTHER FOREIGN MATERIAL.
- 3,500 PSI CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS.
- SOIL DESIGN ASSUMPTIONS:
  - ALLOWABLE VERTICAL FOUNDATION PRESSURE OF 2,000 PSF.
  - LATERAL BEARING PRESSURE OF 150 PSF/FT (300 PSF/FT USED ASSUMING 1/2" MOVEMENT AT BASE IS PERMISSIBLE.)
  - DESIGN ASSUMES NO HYDROSTATIC PRESSURE AND NO EXPANSIVE SOILS.
- REINFORCING:
  - REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS.
  - REINFORCING SHALL BE SUPPORTED TO REMAIN IN PLACE FOR THE DURATION OF THE CONCRETE PLACEMENT.

**E. WOOD**

- DIMENSION LUMBER DESIGNED IN ACCORDANCE WITH 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) AND SUPPLEMENT.
- UNLESS NOTED OTHERWISE, DIMENSION LUMBER SHALL BE:
  - #1 SOUTHERN PINE
  - SURFACED FOR IMPROVED APPEARANCE AS FOLLOWS: 2X4: 1-3/8" X 3-3/8"; 2X6: 1-3/8" X 5-1/4"; 2X8: 1-3/8" X 7"; 2X10: 1-3/8" X 9"
- UNLESS NOTED OTHERWISE, POSTS SHALL BE:
  - SOLID SAWN #2 SOUTHERN PINE: 4X4: 3-1/2" X 3-1/2"
- UNLESS NOTED OTHERWISE, LUMBER AND POSTS SHALL BE PRESSURE TREATED AS FOLLOWS:
  - LUMBER SHALL BE TREATED WITH WATERBORNE PRESERVATIVES IN ACCORDANCE WITH AWPA STANDARD U1 TO THE REQUIREMENTS OF USE CATEGORY 3B (UC3B) OR GREATER.
  - ALL TREATED LUMBER SHALL BE KILN DRIED TO 19% MAXIMUM MOISTURE CONTENT.



NOTE: ALL FASTENERS TO BE CERAMIC COATED, GALVANIZED OR STAINLESS STEEL

2x8 COMPRESSION / CUPOLA RING  
2x8 PT RAFTER PLATE- FASTENED TO 2x3 TOP RAIL w/ #9x2 1/2" SCREWS @ 16" O.C.

ARCHITECTURAL ASPHALT SHINGLES  
1x6 T&G ROOF DECKING- FASTEN EACH BOARD TO EACH RAFTER w/ (3) 6d NAILS (0.113"x2") OR (2) 1/2" CROWN x 2" LEG 16 GA. STAPLES

(2) 2x6 HIP RAFTERS w/ 2x4 INTERMEDIATE RAFTERS (SEE ROOF FRAMING PLAN)  
1" x 5 1/2" SOLID VINYL FASCIA BOARD

2x8 PT RAFTER PLATE- FASTENED TO 2x3 TOP RAIL w/ #9x2 1/2" SCREWS @ 16" O.C. AND TO POST w/ (3) #9x2 1/2" SCREWS

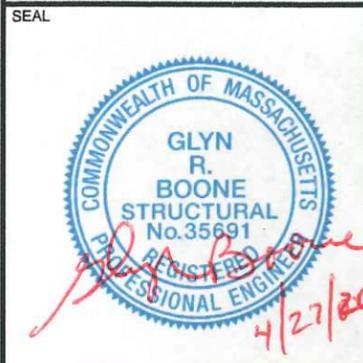
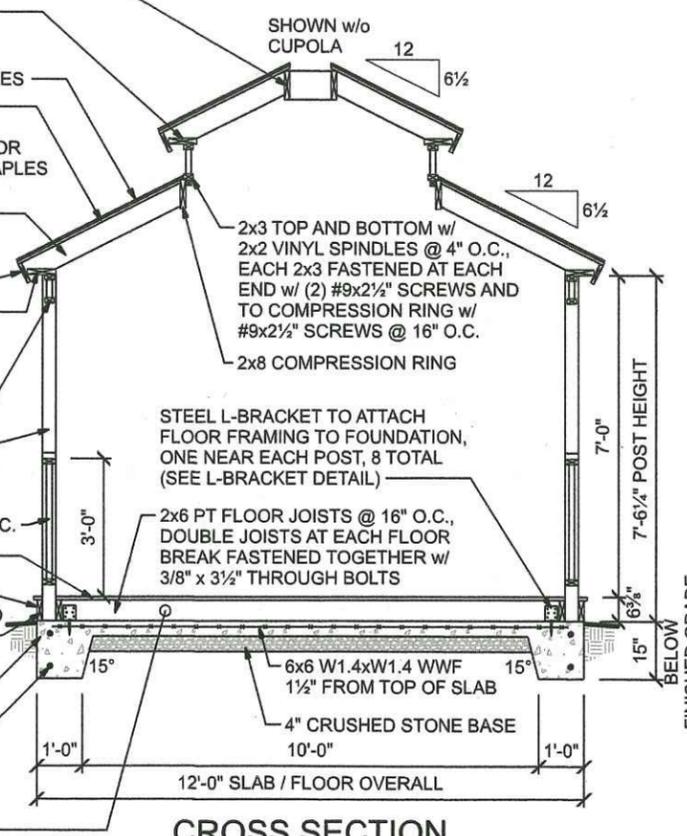
2x3 TOP AND BOTTOM w/ 2x2 SPINDLES @ 4" O.C.  
4x4 PT POST w/ VINYL SLEEVE

HANDRAIL / GUARD RAIL w/ 2x2 STRAIGHT BALUSTERS @ 4" O.C.  
COMPOSITE DECKING

2x6 PT RIM BOARD  
SECURE EACH END OF RIM BOARD TO POST w/ (2) #9 x 3" SCREWS

4" THICK CONCRETE SLAB w/ 12" WIDE x 15" DEEP PERIMETER TURN-DOWN FOOTING

#5 CONTINUOUS REBAR TOP & BOTTOM  
NOTE: FLOOR FRAMING SHALL BE CONTINUOUSLY SUPPORTED BY THE CONCRETE SLAB



PLOT DATE Monday, April 27, 2020



Glyn R. Boone, P.E.  
Myer Hill Enterprises LLC  
444 Myer Ter • Leola, PA 17540  
MA PE# 35691

AMISH COUNTRY GAZEBOS  
340 HOSTETTER ROAD  
MANHEIM, PA 17545  
1-800-700-1777 Ext.151

SITE LOCATION:  
60 MAIN STREET  
WENHAM, MA 01984  
ESSEX COUNTY  
ACG ORDER # 20-5069

12' OCTAGON VINYL PAGODA ROOF GAZEBO	
DATE	4/27/2020
SCALE	1/4" = 1'-0" U.N.O.
REVISIONS	P.N. 15 - 21
	SHEET NO. 1 OF 1

617-823-4238



ROBERT F. TAMBONE  
PRESIDENT

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