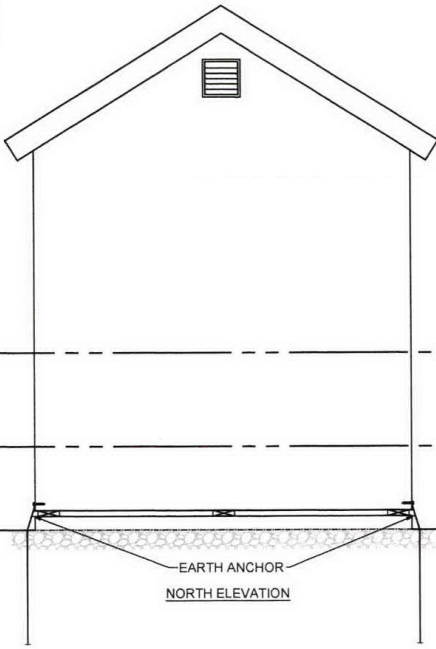


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APR 13 7:17:23

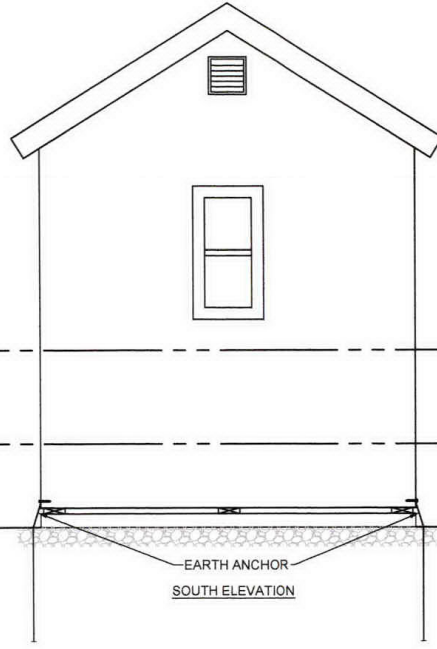


APPROXIMATE BASE FLOOD
ELEVATION PLUS FREEBOARD 388.3'

APPROXIMATE BASE FLOOD
ELEVATION 386.3'

APPROXIMATE GRADE ELEVATION
384.5'

EARTH ANCHOR
NORTH ELEVATION



APPROXIMATE BASE FLOOD
ELEVATION PLUS FREEBOARD 388.3'

APPROXIMATE BASE FLOOD
ELEVATION 386.3'

APPROXIMATE GRADE ELEVATION
384.5'

EARTH ANCHOR
SOUTH ELEVATION



SCARABBA ENGINEERING, PLLC
Civil Engineering, Surveying, Planning, and Design
175 Westchester Ave., Suite 200
Yonkers, NY 10710
www.scarabbaengine.com

WARNING:
It is a violation of Section 7208, Subdivision 2 of the New York State Education Law for any person, unless he or she is working under the direction of a licensed engineer, to alter in any way or in any manner the seal of an engineer or architect, the stamping engineer and architect, the term he or she used and the notation "licensed by" followed by his or her signature, the date of such alteration, and a specific description of the alteration.

SHED ANCHORS AND VENTS
STEVE RUOFF
34 LADOGA PARK ROAD LANSING NY, 14882

REVISION 5	_____
REVISION 4	_____
REVISION 3	_____
REVISION 2	_____
REVISION 1	_____

PROJECT NO.	23-05
DATE	4-11-23
SCALE	1"=2'

DRAWING TITLE
SHED ANCHORING PLAN

DRAWING NUMBER
C102



SHED ANCHORING PLAN

SCALE: 1"=2'

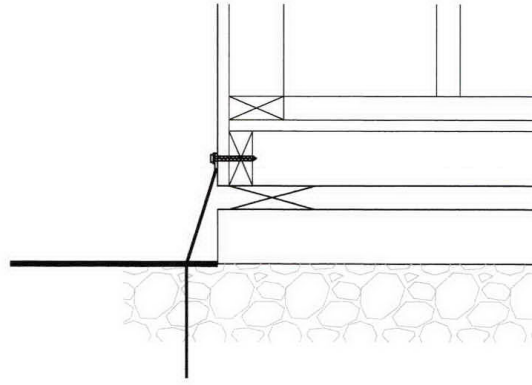
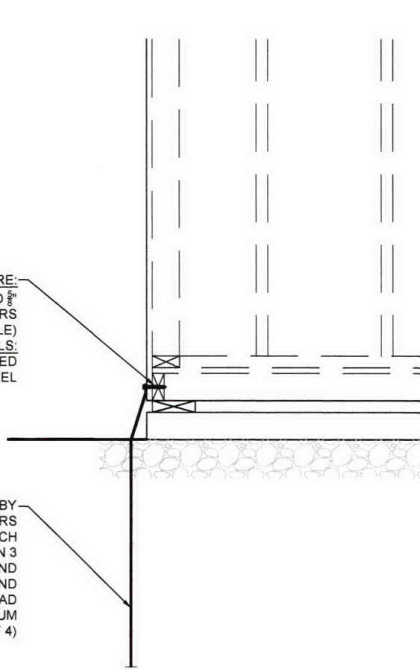


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APR 13 2023

MOUNTING HARDWARE:
 ONE 1/2"x3" LAG BOLT AND TWO 1/2"
 FLAT WASHERS
 (ONE EACH SIDE OF THIMBLE)
 MATERIALS:
 HOT-DIPPED
 GALVANIZED STEEL

EARTH ANCHOR BY
 AMERICAN EARTH ANCHORS
 600 LB PULLOUT STRENGTH EACH
 BASED ON SOIL CLASSIFICATION 3
 LOOSE MEDIUM TO FINE SAND
 THIMBLE CABLE TERMINATION AND
 3" ARROWHEAD
 3' BURY DEPTH MINIMUM
 (TYPICAL OF 4)



BUOYANCY CALCULATION:
 SHED MATERIALS 4' ABOVE GRADE OCCUPY A VOLUME OF 31 CY
 BUOYANCY FORCE = 31 CY X 62.43 LB/CF (DENSITY OF WATER) = 1936 LBS
 USE (4) ANCHORS WITH A PULLOUT STRENGTH OF 600 LBS EACH = 2400 LBS
 PULL OUT FORCE OF 2400LBS EXCEEDS BUOYANCY FORCE OF 1936 LBS



SCJARABBA ENGINEERING, PLLC
 484 Engineers Road
 Tonawanda, NY 14154
 716-265-1978
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 It is a violation of Section 2201, Subsection 2 of the New York State Education Law for any person, unless he or she is working under the direction of a licensed engineer, to alter or amend in any way, after being bearing the seal of an engineer is placed, the drawing engineer shall affix to the drawing or for seal and the violation "altered" defined by the or the signature, the date of such alteration, and a specific description of the alteration.

SHED ANCHORS AND VENTS
 STEVE RUOFF
 34 LADOGA PARK ROAD LANSING NY, 14882

REVISION 6 _____
 REVISION 5 _____
 REVISION 4 _____
 REVISION 3 _____
 REVISION 2 _____
 REVISION 1 _____

PROJECT NO.	23-05
DATE	4-11-23
SCALE	NOT TO SCALE

DRAWING TITLE
**SHED ANCHORING
 DETAILS AND
 BUOYANCY
 CALCULATIONS**

DRAWING NUMBER
C103

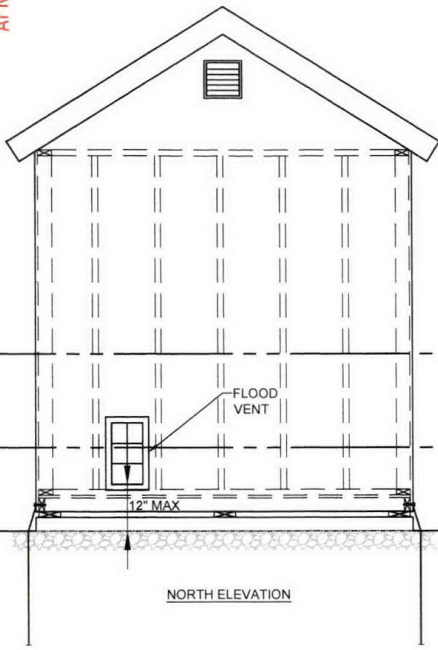


SHED ANCHORING DETAILS AND BUOYANCY CALCULATIONS

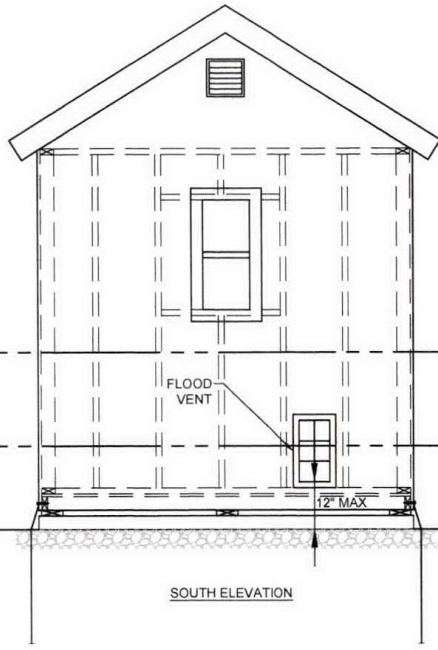
SCALE: NOT TO SCALE

RECEIVED

APR 13 2023



FLOOD VENT SIZING:
 FLOOR AREA = 8'X12' = 96 SF
 REQUIRED VENT AREA = 1 SQUARE INCH/SF
 FLOOR AREA = 96 SQUARE INCHES
 INSTALL TWO 16" TALL X 8" WIDE FLOOD
 VENTS BY FLOOD SOLUTIONS
 MODEL FS-1608
 FREE AREA 80.7 SQUARE INCHES EACH
 INSTALL EACH VENT IN SECOND STUD BAY
 FROM CORNER



SCJARABBA ENGINEERING, PLLC
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 11th Floor
 11101 Kingsway, NY 11435
 www.scjarabba.com

WARNING:
 It is a violation of Article 1702, Sections 2 of the New York State Education Law for any person, other than an architect or engineer, to prepare, under the direction of a licensed engineer, to alter or add to any plan, if such plan bearing the seal of an engineer is altered, the altering engineer shall refer to the plan by its title and use the words "altering" followed by his or her signature, the date of such alteration, and a specific description of the alteration.

SHED ANCHORS AND VENTS
 STEVE RUOFF
 34 LADOGA PARK ROAD LANSING NY, 14882

REVISION 6	_____
REVISION 5	_____
REVISION 4	_____
REVISION 3	_____
REVISION 2	_____
REVISION 1	_____

PROJECT NO.	23-05
DATE	4-11-23
SCALE	1"=2'

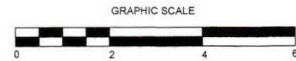
DRAWING TITLE
SHED FLOOD VENTING PLAN

DRAWING NUMBER
C104



SHED FLOOD VENTING PLAN

SCALE: 1"=2'

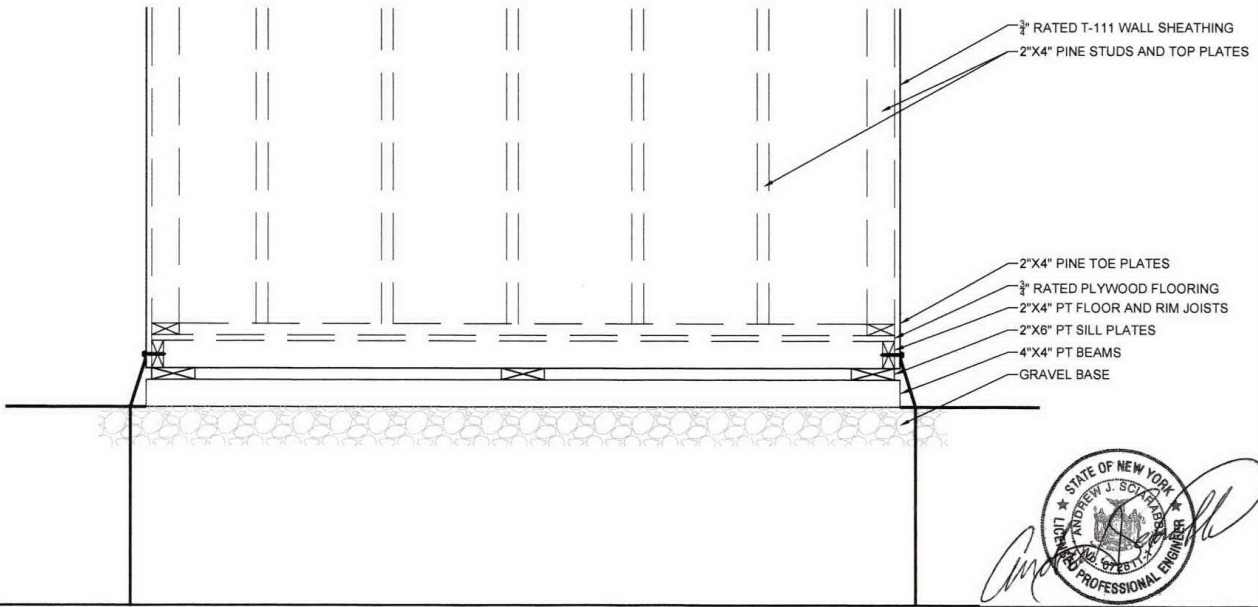


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EXISTING SHED MATERIALS:
ALL SHED MATERIALS ARE
EITHER CLASS 4 OR 5
BUILDING MATERIALS
WHICH ARE FLOOD DAMAGE
RESISTANT PER FEMA
TECHNICAL BULLETIN 2
DATED AUGUST 2008.

TRIM AND WINDOW MATERIALS:
PVC TRIM AND VINYL WINDOWS



- 3/4" RATED T-111 WALL SHEATHING
- 2"X4" PINE STUDS AND TOP PLATES
- 2"X4" PINE TOE PLATES
- 3/4" RATED PLYWOOD FLOORING
- 2"X4" PT FLOOR AND RIM JOISTS
- 2"X6" PT SILL PLATES
- 4"X4" PT BEAMS
- GRAVEL BASE



SCARABBA ENGINEERING, PLLC
Civil Engineers & Architects
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WARNING:
It is a violation of Section 2203, Subsection 2 of the New York State Education Law for any person, unless he or she is working under the direction of a licensed engineer, to alter or tamper in any way, if an item bearing the seal of an engineer is altered, the altering engineer shall affix to the item his or her seal and the caption "ALTERED BY" followed by his or her signature, the date of such alteration, and a specific description of the alteration.

SHED ANCHORS AND VENTS
STEVE RUOFF
34 LADOGA PARK ROAD LANSING NY, 14882

REVISION 8	_____
REVISION 5	_____
REVISION 4	_____
REVISION 3	_____
REVISION 2	_____
REVISION 1	_____

PROJECT NO.	23-05
DATE	4-11-23
SCALE	1"=1'

DRAWING TITLE
EXISTING SHED MATERIALS PLAN

DRAWING NUMBER
C105

EXISTING SHED MATERIALS PLAN

SCALE: 1"=1'

