

For SI: 1 inch = 25.4 mm.

W = Width of footing, T = Thickness of footing and P = Projection per Section R403.1.1.

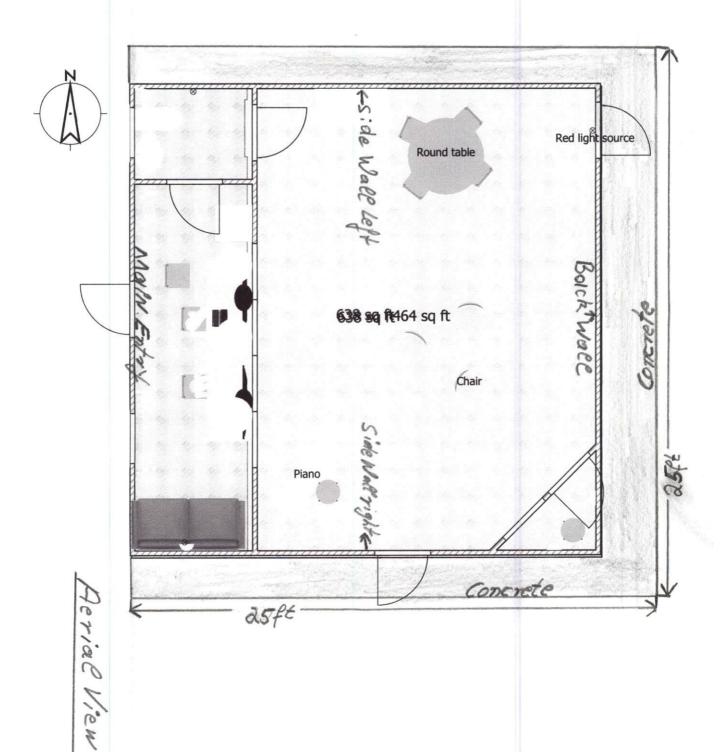
Notes:

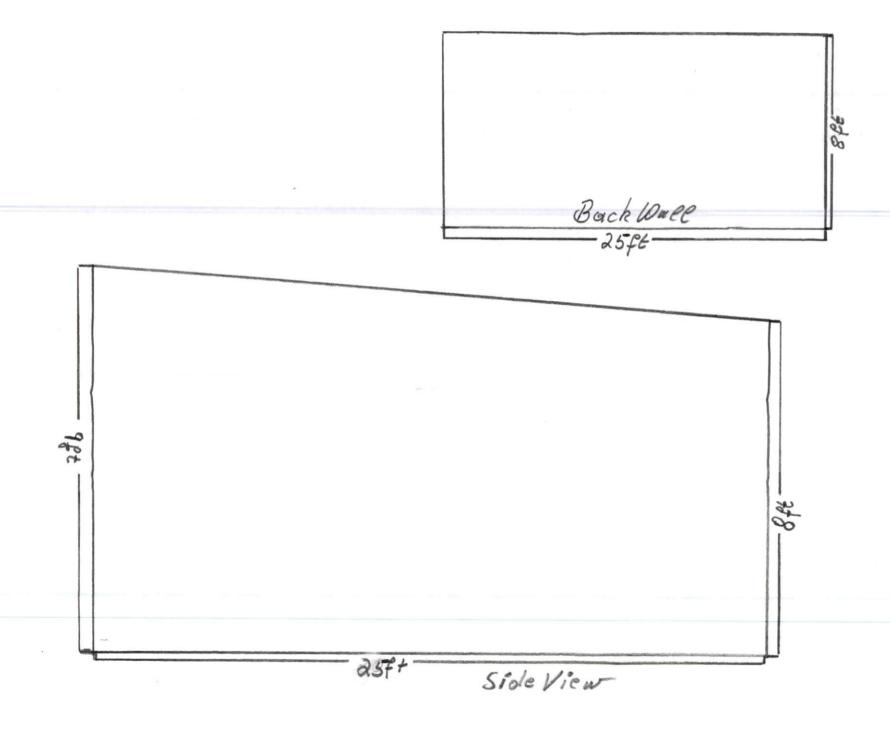
- a. Foundations shall extend not less than 12 inches below finished grade and in no case less than the frost line depth.
- b. Footing sizes are based on soil with an allowable soil pressure of 2,000 pounds per square foot. Footings on soil with a lower allowable soil pressure shall be designed in accordance with accepted engineering practice.
- c. Footing projections shall not exceed the footing thickness.
- d. For minimum footing width (W) see Table R403.1(1).
- e. Minimum footing thickness (T) is: 6" for 1 story, 8" for 2 story and 10" for 3 story.
- f. Install anchor bolts per Section R403.1.6.

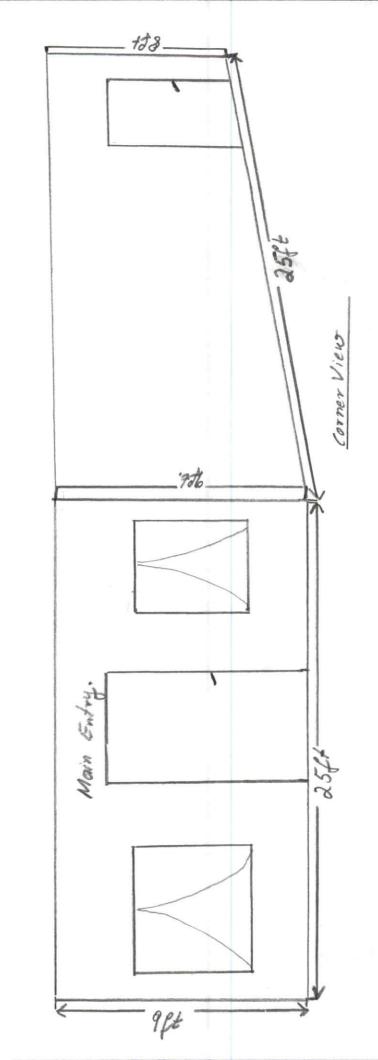
FIGURE R403.1(1) CONCRETE AND MASONRY FOUNDATION DETAILS a, b, e, c, d, e, f

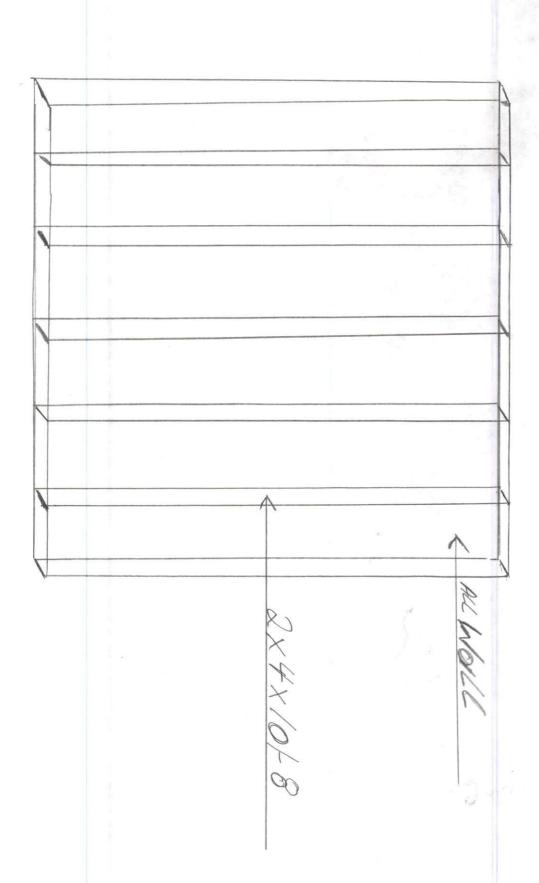


This will be on a code compliant mono slab. Walls 2x4 @16" oc on a treated bottom plate and anchored per code. Rafters to be 2x8 @16" oc minimum with a maximum span of 17'9" single slope roof per plan









Bi- Level Recreational Building Part A & Part C 120 Ridge View Drive Cameron, NC 28326 Markus Walbon 910-627-1644

Structure/ Posts:

All 4x4 post are going to be settled in 2 ft concrete with protective sleeves and secured with 4ft long steel anchors into the ground.

To assure proper connections between the 4x4 post there will be 2 way and 3 way post brackets used and attached with 3 inch bolts.

Walls:

The wall structures are build with untreated 2x4s with a 16 inch distance- and enclosed on both sides- interior/exterior, with 3/4 x 4x 8 plywood panel boards and triple thermal insulation, first layer interior with 3/4 Styrofoam panels next layer, top faced fiberglass roll insulation.

The exterior walls will be insulated with a reflective roll insulation and finished with Vinyl Siding.

Wall Part B is a 2 ft wide connection between Part A and Part C.

Floor Structure Sub floors

Before floor installations a vapor barrier will be installed.

The floor Joists and frames are all pressure treated lumber and will be additionally treated with bitumen.

The floor constructions will be secured with steel anchors on every corner and double thermal insulated between the joist with ¾ thick Styrofoam panels and top faced fiberglass roll insulation.

On top the floor structure/ insulation, there will be $\frac{3}{4}$ x 4x8 plywood boards installed and are finished with a bubbled noise barrier and Laminate flooring.

Roof structure

Two Flat Roofs with a 4ft slop

Roof Structures are build with 2x6x16 lumber, notched and attached on top 4x4 with a 12 inch distance and secured with Hangers with bolts

Two additional 4x4x16 rafters on Part A and Part C will be installed, attached with 3 way steel brackets for additional stability.

Sealant and Vinyl flashing will be installed around the framing.

Two roof vents on Part A and Part C, will be installed – font and backside for proper ventilation $\frac{3}{4}$ x 4x8 plywood panel boards will be installed on the interior first ,to install double thermal insulation $\frac{3}{4}$ Styrofoam panels plus faced fiberglass roll insulation.

The exterior 3/4 x 4x8 plywood will be finished with tar paper and asphalt shingles.

Bi-Level Recreational Building Part & & Part C 126 Ridge View Drive Cameron, NC 18326 Markus Walbon 910-627-1644

Structure Posts:

All dxd post are going to be settled in 2 P er care, with protective derves and secured with 1ft long steel archors into the ground.

To assure proper connections between the 4x for a there will be 2 may and 3 way post brackets used and attached with 3 inch boiles.

Walls:

The wall structures are build with numeated by with a loinen distance and enclosed on both sides, interpreterior, with 2a style 3 planed pour heads and and riple thermal insulation. first layer interior with 2a Styrefoam panels next layer, top faved him glass roll laculation. The exterior walls will be insulated with a reflective roll in another and finished with burylessing.

Siding.

Wait Part B is a 1-ft wide connection between Part A and Part C.

Place Structure Sub floor.

Before floor installations a vagor barrier will be in rolled.

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The Hoor constructions will be secured with steel socious on every corner and double thermal insulated between the joint with News Styrologue panels and top faced the rights will insulation.

On top the floor so actors/insulation, there will be % x 452 plawood boards instailed and are finished with a bubblest noise has rier and Laminate flooring.

Roofstracture

Two Fiat Soofs with a 4ft ston

Roof Structures are build with 2x6x36 hanber, actebed and attacked on top 4x4 with a 12 high distance and secured with (langers with bules

Two additional 4x4x16 rafters on Part A and Part C will be installed, attached with 3 way steel brackets for additional stability.

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Two roof vents on Part A and Part C, will be installed - font and backside for proper ventilation N x 4x8 plywood panel beards will be installed on the interior first, to install double thermal insulation N Styrofoam panels plus faced filterglass roll insulation.

The exterior % x 4x8 ply a and will be theiched with the paper and asphalt shingles.

Power Supply:

Power would be provided by Central Electric.

The interior and exterior electrical installation will be performed by High speed Electric.

Heating and Air:

A new ductless Heating and Air system will be installed suitable for 816 sq ft.

Interior:

There are no Bathrooms, closets or Kitchens installed.

Main entry Door size 80x36 steel door

Door to Part C 80x38 steel door.

Three windows installed to Part A right side wall installed side by side measurement 30x30 Main Entry. Wall Part A. One Window measurement 30x30

All Lights are dimmable LED Fixtures and controlled by Dimmer Light switches Power outlets and Lights will be connected in separate circuits by High Speed Electric.

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Main entry Door size 80x36 steel door

Door to Part C Six 32 steel door.

Three n indows installed to Part A right side wall installed side by side measurement 30x30 Main Linty, Wall Part A. One Window measurement 30x30

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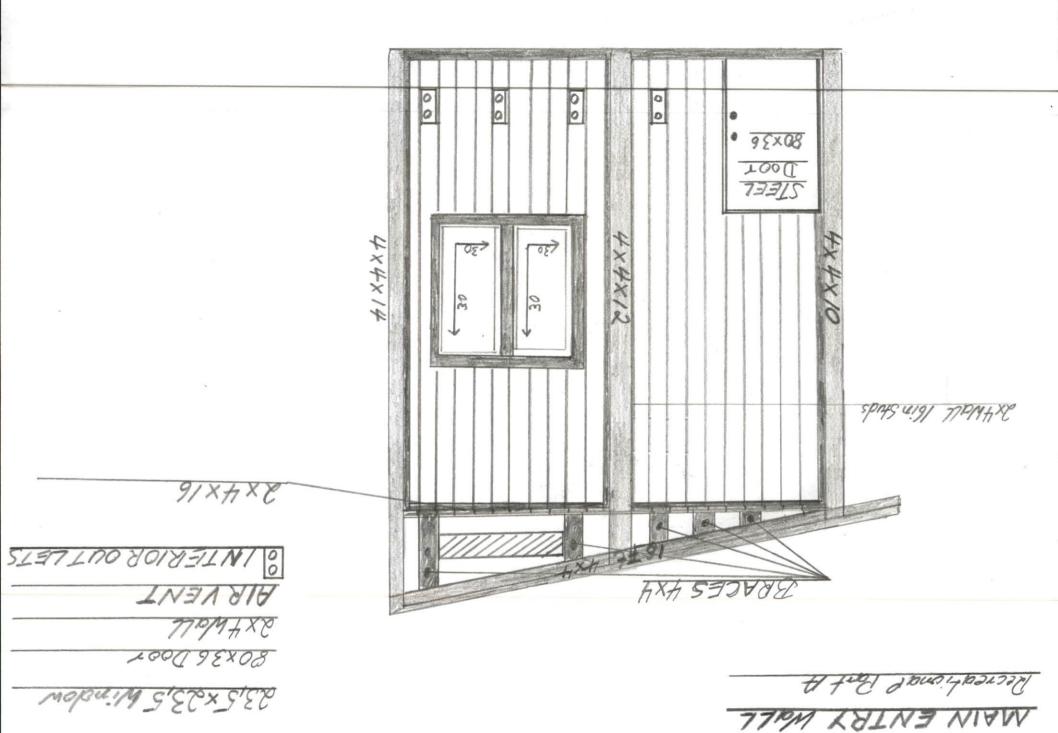
120 Ridge View Dr. Comeron, NC 28526

Recreational

RIGHT SIDE WALL
Recreptional Part A

4x4x14 > 80x38 Door 8×4×4 4x4-T-Brocket 00 4x4x14 30 00 95 00 4X4X8 30 03 00 4x4-T-Brachet 00 08 05) 00 4x4x14 > 00 00 00 3x4x4 00 00 + 4x4x14→

- 4x4 Graver Browchet Corner Brachet - Steel O INTERIOR BUTLETS OIXAXH CENTRA SXTXX 3x4xe 00 4x4-7-Brochet OIXHXH distance lainches 00 2x4x8 3×4×C 4x4-T-Browlet 00 4x4Wall OIXHXH 00 LEFT SIDE WALL SXAXB &XTXD 4X4 Corner Bracket Recreational 00 3x4x8 OIXHXH



4x4X14 Port A 4x4x14 PortC

Back Wall

4x4x10 00 90 00 4x4x12 00 00 00 4x4x14

AXYXYX16

2XYXXXI6

2XYXXI6

0 INTERIOR OUTLETS

Wooden Floor - Recreational Born Part A Subfloor 2x6x16 Joist's 4x314x8 Floor Boards

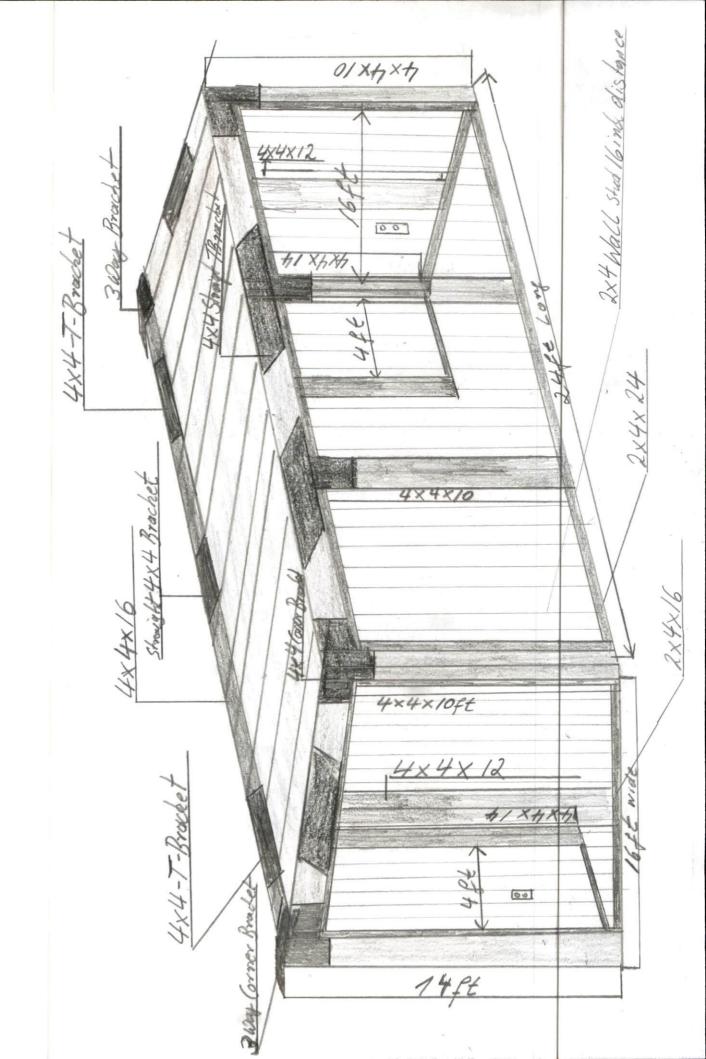
2x6x24 Frame

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Recreational Part A 2x6x 16 Ratter 1 Dinch olistance 104 4x4x24 TOP T-Brack 2444 Roof boards 4x3/4 x8 Roof Felt Shingles

Equipment Shelter-AREA

0 001/1675



Fant C Equipment Sheller FROMTSide Wall

ĺ	K	H/XHXH	1
16ft Wide		で/×····································	16 64
		2x4 Mall Stage	
		Study 16 inches shis tomace	

Equipment Shelter-AREA
BACK SIDE NALL

HIXHXH 0 0 16ft Wide CIXAXA 4x4x16 Stast 16 inches alistonice

0 OUTLET

fuer Acxtx to 4x4-T-Bradot 2x Holyld Studs 16 inches distance

LEFT WOLL

Those port hora Part

3x6X16 Frame Wooden Floor 4x3/4x8 Floor Bourds 2x6x24 Frame 2X6X16 Toist's

Bracher 24/4 Wall 4X4X24 4x4x16

6 Stair Stringers are used to connect Recreational Port A+C A CONTRACTOR OF THE PROPERTY O

Elevertion 2ft Setween Port A+C