

1 Upper Flight Stair Section
D-1 3/8" = 1'-0"

2x8 FLR. JOISTS
@ 12" +/- O.C.

2x12 TREADS

(3) 2x12 STRINGERS

CONCRETE FLOOR SLAB

4'-5 $\frac{3}{4}$ "

5T @ 10 $\frac{3}{4}$ "

3'-4 $\frac{3}{4}$ "

6R @ 6 $\frac{25}{32}$ "

2

Lower Flight Section

D-1 3/8" = 1'-0"

2x12 RAFTERS @ 16" O.C.

5/8" CEILING BOARD

METAL ROOFING SYSTEM

15/32" CDX PLYWOOD OR OSB ROOF SHEATHING

R-30 BATT INSULATION

HETA20 @ EACH RAFTER

2x4 OUTRIGGERS

WOOD BLOCKING

MTS12 @ EACH TRUSS

DRIP EDGE FLASHING

2x6 SUBFASCIA

RAKED PERFORATED ALUMINUM SOFFIT

CMU BOND BEAM COURSE --- FILL SOLID W/ 3,000-PSI CONC. AND REINF. W/ (1) #5 REBAR CONT.

2x12 LEDGER SECURED TO CMU W/ 1/2" x 8" A.B.'s @ 24" O.C.

1/2" DECORATIVE CEMENTITIOUS COATING

8" CMU EXTERIOR WALL

#5 REBARS IN VERTICAL CELLS FILLED SOLID W/ 3,000-PSI CONC. --- PLACE AT BOTH SIDES OF EACH MASONRY OPENING & AT A MAX. OF 4'-0" O.C. BETWEEN

CMU HEADER COURSE REINF. W/ (1) #5 REBAR CONT.

ALL CMU CELLS BELOW GRADE ARE FILLED SOLID W/ 3,000-PSI CONCRETE

PILE FILL NEXT TO OUTSIDE OF STEM WALL TO MAINTAIN A MAX. 2'-0" GRADE DIFFERENTIAL UNTIL THE SLAB IS POURED

16" Min.

20" Min.

3,000-PSI CONCRETE FOOTING

12

10

16 3/4"

9'-4" (N.T.S.)

11'-4" (N.T.S.)

6'-0" Max.

10" Min.

23/32" T&G CDX PLYWOOD FLOOR SHEATHING GLUED AND NAILED TO TRUSSES

5/8" CEILING GYPSUM BOARD

5/8" GYPSUM BOARD

1x2 P.T. FURRING STRIPS W/ R-5 INSULATION BETWEEN

3 1/2"-THICK 3,000-PSI CONCRETE FLOOR SLAB REINFORCED W/ POLYFIBER MESH OR W/ 6" x 6" 10-GAUGE W.W.M.

6-ML VAPOR BARRIER

TERMITE-TREATED SOIL

(3) #5 REBARS CONT.

This technical drawing shows a cross-section of a foundation system. The main components include:

- Footing:** A base layer containing three layers of reinforcement: (1) #5 rebars, (2) #5 rebars, and (3) #5 rebars.
- Wall Assembly:**
 - An outer layer of stone veneer.
 - A core of CMU header course reinforced with #5 rebar.
 - An inner concrete floor slab reinforced with polyfiber mesh or W6 x 6 x 10-gauge wire mesh.
 - A decorative cementitious coating on the exterior.
- Vapor Barrier:** A 6-mil barrier separating the interior from the exterior.
- Reinforcement Details:** #5 rebars are spaced at 3'-0" O.C. and embedded a minimum of 4 inches into the stem wall.
- Dimensions:**
 - Total height: 12' Min.
 - Foundation width: 16" Min.
 - Stem wall thickness: 20" Min.
 - Maximum depth of the lower section: 6'-0" Max.
 - Minimum depth of the lower section: 10' Min.

PRE-ENGINEERED WOOD ROOF TRUSSES @ 2'-0" O.C.

METAL ROOFING SYSTEM

15/32" CDX PLYWOOD OR OSB ROOF SHEATHING

MTS16 AT EACH TRUSS

WOOD BLOCKING

DOUBLE 2x4 TOP PLATE

2x6 SUBFASCIA

DRIP EDGE FLASHING

16"

RAKED PERFORATED ALUMINUM SOFFIT

15/32" T1-11 PLYWOOD SIDING

15-LB BLDG. PAPER

6

12

R-30 INSULATION

5/8" CEILING GYPSUM BOARD

SP2 AT EACH STUD

R-19 BATT INSULATION

5/8" GYPSUM BOARD

2x6 WOOD STUDS @ 16" O.C.

2x6 BLOCKING

8'-0" (N.T.S.)

23/32" T&G CDX PLYWOOD FLOOR SHEATHING GLUED AND NAILED TO TRUSSES

PRE-ENGINEERED WOOD FLOOR TRUSSES @ 2'-0" O.C.

16 3/4"

SP1 AT EACH STUD

2x6 BASE PLATE

2x4 RIBBON BRACING

1/2" ALL-THREAD RODS @ 3'-0" MAX. O.C. ---EPOXY MIN. 6" INTO CMU BOND BEAM

CMU BOND BEAM COURSE --- FILL SOLID W/ 3,000-PSI CONC. AND REINF. W/ (1) #5 REBAR CONT.

1/2" DECORATIVE CEMENTITIOUS COATING

8" CMU EXTERIOR WALL

#5 REBARS IN VERTICAL CELLS FILLED SOLID W/ 3,000-PSI CONC. --- PLACE AT BOTH SIDES OF EACH MASONRY OPENING & AT A MAX. OF 4'-0" O.C. BETWEEN

5/8" CEILING GYPSUM BOARD

5/8" GYPSUM BOARD

1x2 P.T. FURRING STRIPS W/ R-5 INSULATION BETWEEN

9'-4" (N.T.S.)

10'-8 3/4" (N.T.S.)

3 1/2"-THICK 3,000-PSI CONCRETE FLOOR SLAB REINFORCED W/ POLYFIBER MESH OR W/ 6" x 6" 10-GAUGE W.W.M.

6-ML VAPOR BARRIER

CMU HEADER COURSE REINF. W/ (1) #5 REBAR CONT.

ALL CMU CELLS BELOW GRADE ARE FILLED SOLID W/ 3,000-PSI CONCRETE

PILE FILL NEXT TO OUTSIDE OF STEM WALL TO MAINTAIN A MAX. 2'-0" GRADE DIFFERENTIAL UNTIL THE SLAB IS POURED

TERMITE-TREATED SOIL

6'-0" Max.

10" Min.

3,000-PSI CONCRETE FOOTING

20" Min.

(3) #5 REBARS CONT.



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Project

Cox Residence

Lot 3

Rum Island Ranches, Sect. 2
Columbia County, Florida

Sheet Description

WALL AND STAIR SECTIONS

Issue Date April 27, 2011

1 May 31, 2011

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