

AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6

THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40.

NOT LESS THAN SIX-BAR DIAMETERS AND

STEEL OR HOT DIPPED GALVANIZED.

(UNLESS OTHERWISE NOTED).

DATE

BY

CONCRETE SLABS ON GRADE:

CONTRACTION AND ISOLATION JOINT DETAILS.

FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFROCING BARS

3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AND THE EARTH OF PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER AND 1 1/2 INCHES ELSEWHERE. REINFORCING BARS EMBEDDED IN GROUTED CELLS SHALL HAVE A MINIMUM CLEAR DISTANCE OF 1/4 INCH FOR FINE GROUT OR 1/2 INCH FOR COARSE GROUT BETWEEN REINFORCING BARS

AND ANY FACE OF A CELL. REINFORCING BARS USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN 2 INCHES FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER

1/2 INCHES FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER

THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS

EXCEPTION: WHERE BENDING IS NECESSARY TO ALIGN DOWEL BARS WITH

A VERTICAL CELL, BARS PARTIALLY EMBEDDED IN CONRETE SHALL BE PERMITTED TO BE BENT AT A SLOPE OF NOT MORE THAN 1 INCH OF

HORIZONTAL DISPLACEMENT TO 6 INCHES OF VERTICAL BAR LENGTH.

GALVANIZATION:
METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT

1. ALL INTERIOR AND EXTERIOR SLABS AND WALKWAYS AS SHOWN

ON THE STRUCTURAL OR ARCHITECTURAL PLANS, SHALL BE FOUR INCHES

2. ALL SLABS ON GRADE TO BE CONSTRUCTED IN ACCORDANCE WITH

3. JOINTS SHALL BE PROVIDED IN ALL INTERIOR SLABS ON GRADE AT

4. PROVIDE SAW-CUT JOINTS AT ALL SIDEWALKS AT A MAXIMUM

5. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12"

RESULTS OF THE TEST TO OWNER, ARCHITECT AND ENGINEER.

AND COMPACTED TO 98 % MODIFIED PROCTOR (ASTM D-1557) WITHIN A

DISTANCE OF 3 FEET BEYOND ALL FOOTING EDGES. TAKE AT LEAST ONE

6. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY MECHANICAL

COLUMN CENTER-LINES DIVIDING THE SLAB INTO SQUARE PANELS NOT TO

A CONTRACTION JOINT BETWEEN EACH STRIP. SEE PLAN FOR SAW-CUT,

EXCEED 20 X 20 FT. IN SIZE. CAST SLAB IN LONG ALTERNATE STRIPS. PROVIDE

SPACING OF FIVE FEET ON CENTERS AND ISOLATION JOINTS AT 20 FEET O.C.

DENSITY TEST FOR EACH 1,600 SQ.FT. OF AREA AND 12" BELOW SURFACE. SEND

VIBRATION DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT AND EMBEDDED FIXTURES AND ALL FORMS AND KEYWAYS.

DESCRIPTION

THICK MINIMUM REINFORCED WITH 6 X 6 - W1.4 X W1.4 WELDED WIRE FABRIC

LATEST A.C.I - "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (A.C.I.

DIRECTLY EXPOSED TO THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL PLATE CONNECTORS, SCREWS, BOLTS AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE STAINLESS

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

1. ALL REINFORCEMENT IS BENT COLD,

3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE

3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND

COVER OVER REINFORCING STEEL

COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEIMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNIDATION WALL. FBC 1403.1.6

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2

7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OFF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFFTER THE INITIAL TREATMENT.

ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5

11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6

OR GRADE WITHIN 1'-0" OF THE STRUCTUJRE SIDEWALLS. FBC 1816.1.6

13. A CERTIFICATE OF COMPLIANCE MUSST BE ISSUED TO THE BUILDING DEPART-MENT BY # LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENTIS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7

FROM BELOW AND WITHIN 1'-0" OF THE BIUILDING. THIS INCLUDES ALL GRADE

REVISIONS

15. NO WOOD, VEGETATION, STUMPS, C;ARDBOARD, TRASH, ETC., SHALL BE BURIED

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4

3. IRRIGATION/SPRINKLER SYSTEMS INCILUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS.

4 TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL

5. INITIAL TREATMENT SHALL BE DONE AIFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1

8. MINIMUM 6 MIL VAPOR RETARDER MUIST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RET-

9. CONCRETE OVERPOUR AND MORTAR: ALONG THE FOUNDATION PERIMETER 0. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT.

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING

WITHIN 15'-0" OF ANY BUILDING OR PROP'OSED BUILDING. FBC 2303.1.4

DATE

BY

S-1 / AT CORNER (NTS) 4" CONC. SLAB-S-1

1. One all-thread rod at each corner.

Connection Type

oundation / Spruce-Pine-Fir Top Plate

Lintel or Bond Beam / S.Y.P. Top Plate

Placement at slab level:

Foundation / S.Y.P. Top Plate

Header ends

Top Connections

into the concrete.

Sole plate to slab connection

2. One all-thread rod at each end of shearwalls.

. One all-thread rod at each end of opening headers greater than 3'-0"

ALLOWABLE VALUES

Lintel or Bond Beam / Spruce-Pine-Fir Top Plate 3840 lbs.

When presetting the all-thread rod at a building corner, the rod

building corner, it may be placed on either side of the corner.

When presetting the all-thread rod at a header end, the rod

fall under the stud pack framing members.

the top plates and tightened securely.

Intermediate Coupler Connections

should be placed 8 to 12 inches away from the corner so it does not set

under the corner framing members. When a all-thread rod is specified at a

should be placed 8 to 12 inches away from the header end so it does not

Top connections made at corners and header ends shall be made within

2 inches of the framing pack. A nut and 3X3 washer shall be applied to

When using the rod coupler, care should be taken to ensure full and equal thread engagement. This is easily achieved by threading the

then threading the coupler back over the rod joint so each rod is

coupler all the way onto the rod, then standing the two rods end to end,

In the case of an all thread rod misplacement, the rod may be epoxied

The slab level sole plate shall be connected to the slab with the connectors specified and at the spacing specified within the design documents. All-thread rods shall be placed as per the design specifications.

All-thread rods with a nut and washer at the sole plate will qualify as a sole

plate connection but may require other anchors intermediate of the all-thread

On multiple story applications, the all-thread rod system shall be rechecked

all-thread rod system to compensate for the buildings dead load compression.

for proper tension just before the walls are veneered. This will allow the

rod locations to qualify the specified spacing requirements.

DESCRIPTION

Check sub-sheathing to top plate connection for horizontal transfer capability.
 If necessary, add all-thread rods to girders individually to exclude the from average uplift plf.

6. Check sole plate to slab connection, additional anchors may be required for lateral and shear

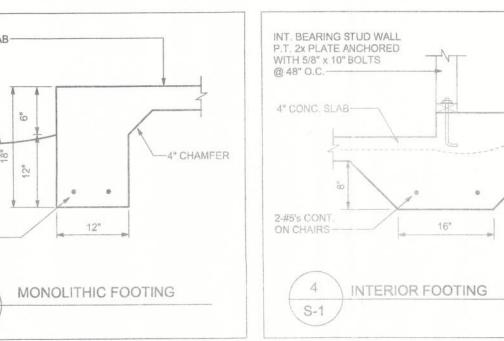
Allowable Value

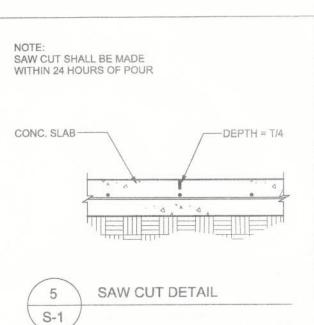
3840 lbs.

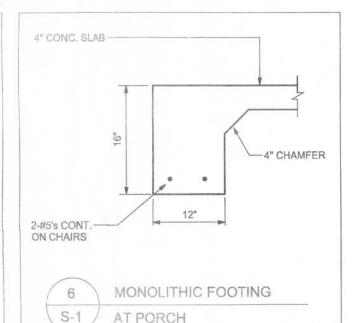
3840 lbs.

3840 lbs.

8"x16" MONO FTG-48 BAR DIAMETER LAP, TYP. FRONT OF STEMWALL 3/4" RECESS -CORNER BARS DRIVEWAY-SLAB -2 #5's CONT OUTLINE OF-CONTINUOUS 2 FTG. SECTION 1 \ FOOTING REINFORCING S-1 / AT GARAGE







A SOLID MEMBER OF EQUAL OR GREATER SIZE THAN MULTIPLE MEMBERS MAY BE USED. IF RATED SHEATHING IS APPLIED TO NARROW EDGES, NAILED TO EACH STUD AT 12" O.C. MAXIMUM. THE LAMINIATION NAILING SHOWN HERE IS NOT REQUIRED.

END (TOP OR BOTTOM) GIRDER COLUMN DETAIL

SHEARVVALL NOTES:

OPENING WIDTH

UP T'O 6'-0"

> 6' TO 9'-0"

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFFINED BY STD 10-99 305.4.3.

2. THE WIALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW

3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS

OR AL(ONG BLOCKING. 4. NAIL SIPACING SHALL BE 6" O.C. EDGES AND

12" O.C. IN THE FIELD. 5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 ie. FOR 8'-0" WALLS - (2'-3").

PLATES

(1) 2x4 OR (1) 2x6

(3)2x4 OR (1) 2x6

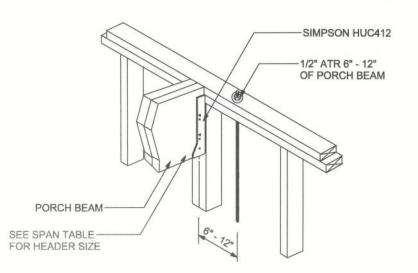
16d TOE NAILS

EACH END





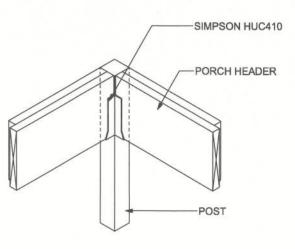
ALL WAILL SHEATHING SHALL BEWINDSTORM 1 1/8" FUILL HEIGHT SHEATHING-SEE DETTAIL 1 FOR NAILING



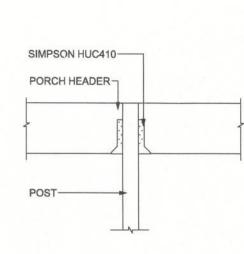




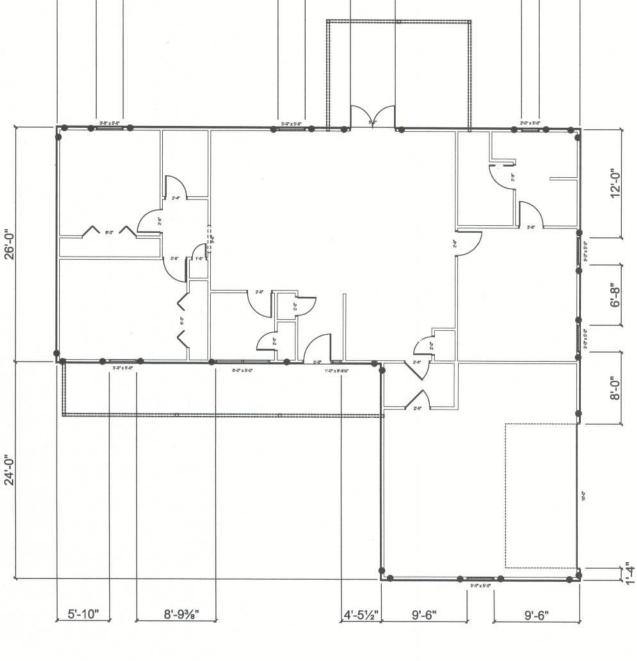




CORNER POST NTS

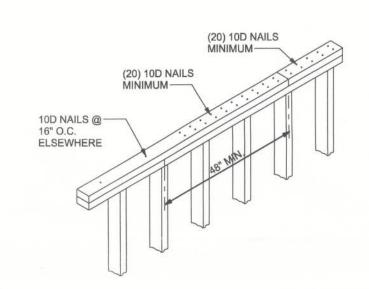


INTERMEDIATE POST NTS



ALL THREAD DETAIL

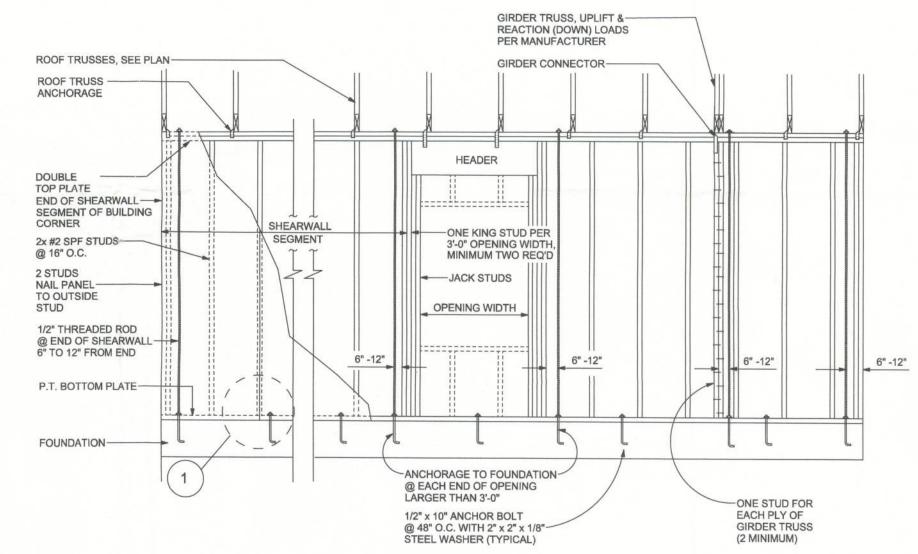
ALL THREAD LOCATION



TOP PLATE SPLICE DETAILS

ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERS

STRUCTURAL MEMBER	ALLOWABLE DEFLECTION
rafters having slopes greater than 2/12 with no finished ceiling attached to rafters	L/180
interior walls and partitions	H/180
floors and plastered ceilings	L/360
all other structural members	L/240
exterior walls with plaster or stucco finish	H/360
exterior walls - wind loads with brittle finishes	L/240
exterior walls - wind loads with flexible finishes	L/120



SHEARWALL DETAILS

VERIFY GIRDER TRUSS LOCATION ON TRUSS LAYOUT FOR REQ'D ALL THREAD AT GIRDER LOCATION



CON	NECTOR SC	HEDULE FO	R TRUSS ANCHOR	RAGE
CONNECTOR	TRUSS	TOP PLATE	UPLIFT PROVIDED	MANUFACTURER
H2.5	5-8d NAILS	5-8d NAILS	365 LBS	SIMPSON
H10	8-8d NAILS	8-8d NAILS	850 LBS	SIMPSON
MTS12	7-10d NAILS	7-10d NAILS	1,000 LBS	SIMPSON
H16	2-10d NAILS	10-10d NAILS	1,300 LBS	SIMPSON
(2)HTS20	10-10d NAILS	10-10d NAILS	2 x 1,450 = 2,900 LBS	SIMPSON

	OPENIN	NG CONNECTION	ON REQUIREMENTS	
CLEAR OPENING WIDTH	HEADER SIZE #2 GRADE OR BETTER	END BEARING	CONNECTOR AT EACH END OF OPENING	ANCHORAGE TO FOUNDATION @ EACH END OF OPENING
0' - 3'	(2) 2x8	1.5"	N/A	N/A
>3' - 6'	(2) 2x10	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>6' - 9'	(2) 2x12	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>9' - 12'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>12' - 15'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>15' - 18'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	4.5"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD

Crews Engineering Services, LLC

CERTIFICATE OF AUTHORIZATION NO. 28022

> P.O. BOX 970 LAKE CITY, FL 32056 PHONE: 386.754.4085

	- /			
 Sur	AMC			
	8-2:	2- 201	5	

RAWN BY:	BILL AND BOI
TM	CUSTON
PPROVED BY:	FOUNDATIONS A

CES PROJECT NO. NNIE GOOTIE M HOME 2013-020 FOUNDATIONS AND SHEARWALL S-1

Brett A. Crews, P.E. 65592

plated and conform to ASTM A36 and A307

washer must be

ROD - 1/2" all-thread rod must be zinc

COUPLER (optional) - 1/2" x 1-1/2" zinc plated,

-NUT & WASHER - 1/2" nut must be zinc plated

must conform to ASTM A36

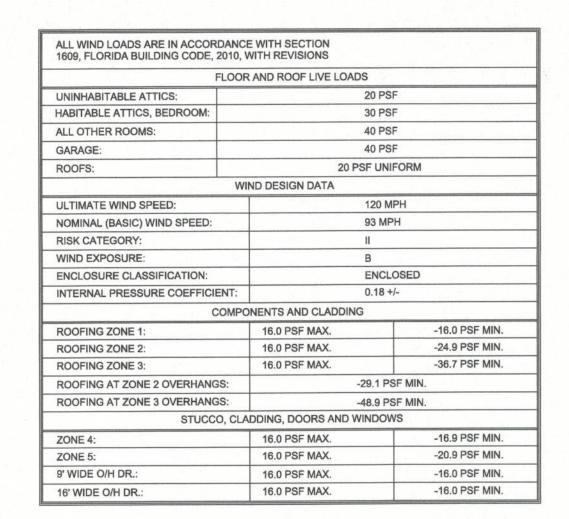
washer must be zinc plated

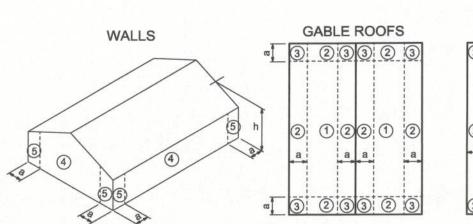
to depth OF 5" @ a mininium of 1-3/4" from side and 5" from

end of footing. Fill with epoxy half hole depth.

- drill 5/8" hole in foundation

plated and conform to ASTM A36 and A307





a: 10% of least horizontal dim. or 0.4h, whichever is smaller, but not less than

either 4% of least horizontal dimension or 3 ft.

h: mean roof height, in feet.

WIND LOADS:

STEEL:

GENERAL NOTES:

COMPONENTS AND CLADDING

40 PSF

20 PSF

HIP ROOFS

STRUCTURAL DESIGN CRITERIA

FLORIDA BUILDING CODE, 2010 EDITION WITH SUPPLEMENTS BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05) SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301-05) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-05) NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2001 EDITION APA PLYWOOD DESIGN SPECIFICATION 20 PSF (REDUCIBLE) LIVE LOADS:

RESIDENTIAL FLOOR, UNLESS OTHERWISE INDICATED

BALCONIES LIGHT PARTITIONS (DEAD LOAD), U.N.O. WIND LOADS BASED ON FBC, SECTION 1609

ALL STIRRUPS AND TIES

WIND VELOCITY: 120 M.P.H., USE FACTOR: 1.0 ALL CONCRETE UNLESS OTHERWISE INDICATED PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY STRENGTH

(DO NOT USE FOR CONCRETE COLUMNS OR TIE BEAMS) @ 28 DAYS WELDED WIRE FABRIC SHALL CONFORM TO ASTM A615-40 40,000 PSI ALL REINFORCING BARS ASTM A615-40 40,000 PSI

ASTM C90-99b, STANDARD WEIGHT UNITS, fm=1500 PSI CONCRETE MORTAR TYPE "S" 1800 PSI MASONRY CONCRETE GROUT 3000 PSI UNITS: CONTINUOUS MASONRY INSPECTION IS REQUIRED DURING CONSTRUCTION ALL STRUCTURAL AND MISCELLANEOUS STEEL A36 36,000 PSI, U.N.O STRUCTURAL

SHOP AND FIELD WELDS: E70XX ELECTRODES

ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A-307 BEAMS, RAFTERS, JOIST, PLATES, ETC. U.N.O. WOOD FRAMING: NO. 2 SOUTHERN YELLOW PINE (19% M.C.) ROOF DECK: PLYWOOD C-C/C-D, EXTERIOR, or OSB FLOOR SHEATHING: T&G A-C GROUP 1 APA RATED (48/24)

WALL SHEATHING: PLYWOOD C-C/C-D, EXTERIOR OR OSB VERSA LAM BEAM Fb = 2900 PSI (2.0E) WOOD COLS. PARALLAM 2.0E U.N.O. **DESIGN LOADS:** TOP CHORD LIVE AND DEAD LOAD: BOTTOM CHORD DEAD LOAD:

THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL

DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK

THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT

ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE WORK

DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER

DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORK-

MANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE

AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE

PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE

COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE

REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS

THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES.

AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT

TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS

OWNER DURING THE ONE YEAR WARRANTY PERIOD.

OF DETERMINING ANY WARRANTY WORK THAT MAY BE

INSPECTION IF REQUESTED BY THE OWNER.

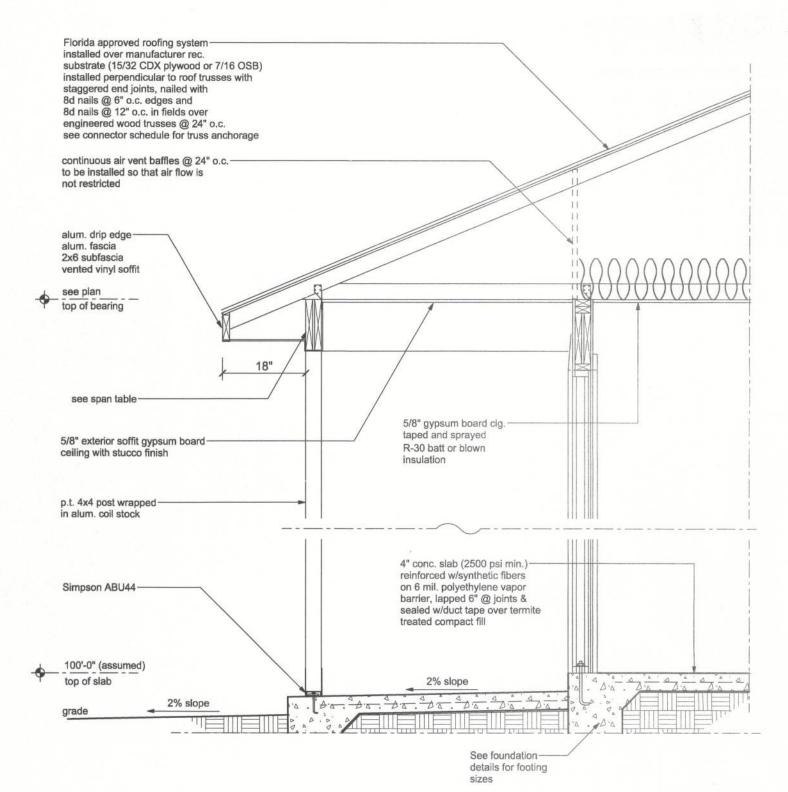
BE THEY CITY, COUNTY, STATE OR FEDERAL.

CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY

PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.

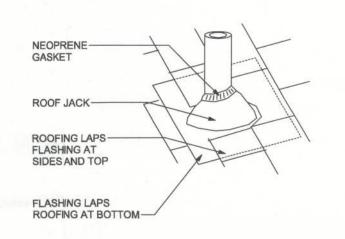
SEE DRAWINGS FOR SPECIAL CONCENTRATED LOADS. DESIGN FOR NEW WIND UPLIFT AS PER SPECIFIED CODES, DEDUCTING A MAXIMUM OF 5 P.S.F. DEAD LOAD, BUT NOT EXCEEDING ACTUAL

ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 1,500 PSF SEE SOILS REPORT AND SPECIFICATIONS FOR COMPACTION REQUIREMENTS IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN.

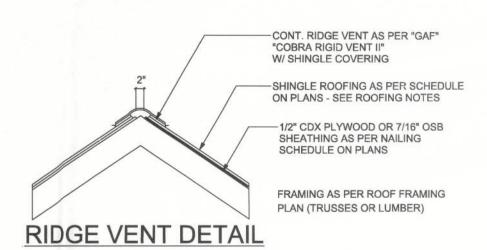


TYPICAL WALL SECTION

2x10 LEDGER FASTENED



ROOF JACKS AND VENTS



'VENTILATION SHALL BE PROVIDED TO FURNISH CROSS VENTILATION OF EACH SEPARATE ATTIC SPACE WITH WEATHER PROTECTED VENTS. ALL VENTS SHALL BE SCREENED TO PROTECT THE INTERIOR FROM INTRUSION OF BIRDS. THE RATIO OF TOTAL NET FREE VENTILATION AREA TO THE AREA OF CEILING SHALL NOT BE LESS THAN 1/150.

CONSTRUCTION DOCUMENTS:

DO NOT SCALE THESE PLANS:

ITEMS NOT DIMENSIONED

CHANGES TO PLAN SETS:

SPECIFICATIONS ON THE PLANS.

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF

CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITY FOR THE

ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR IS SOLELY

CONDITIONS, ELEVATIONS, AND DIMENSIONS PRIOR TO COMMENCING

BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.

CONSTRUCTION INCLUDING FABRICATION. ALL DISCREPANCIES SHALL

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMATIC MAY BE USED TO DETERMINE THE LOCATION OF THOSE

TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THES PLANS WITHOUT

CONSULTING WITH THE ARCHITECT/ENGINEER. THE OWNER SHALL ASSUME ANY

AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE

RESPONSIBLE FOR REVIEWING THE PLANS AND VERIFYING ALL EXISTING

EACH FACE TO RIDGE TO BLOCKING OR TRUSS WITH 16d NAILS @ 6" o.c. 2-16d TOE NAILS ON EACH FACE TO LEDGER 2x6 COLLAR TIES @ 48" O.C. (TYP.) 2x8 SPF #2 RIDGE BEAM -2x6 SPF #2 RAFTERS @ 24" o.c.

ROOF INTERSECTION CONNECTION DETAIL

-2x4 #2 SYP. OUTLOOKERS @ 24" O.C. FULL DEPTH BLOCKING IN SIMPSON H3 @ EACH FIRST 2 FRAMING MEMBERS --OUTLOOKER STRUCTURAL -2x BLOCKING SHEATHING ---X4 DIAGONAL BRACING FASTENED WITH 2-16D NAILS AT EACH END SPACED AT 6'-0" O.C. ALONG GABLE END BOTTOM CHORD CONTINUOUS LATERAL BRACING 2x4x8' - 0" #2 SYP FASTENED TO BOTTOM CHORD GABLE TRUSS WITH 2-16D NAILS @ 6'-0" O.C. ALONG GABLE END-STRUCTURAL GABLE SHEATHING -SIMPSON LSTA30 WITH 22-10D NAILS FULL DEPTH BLOCKING-

2-16d TOE NAILS ON

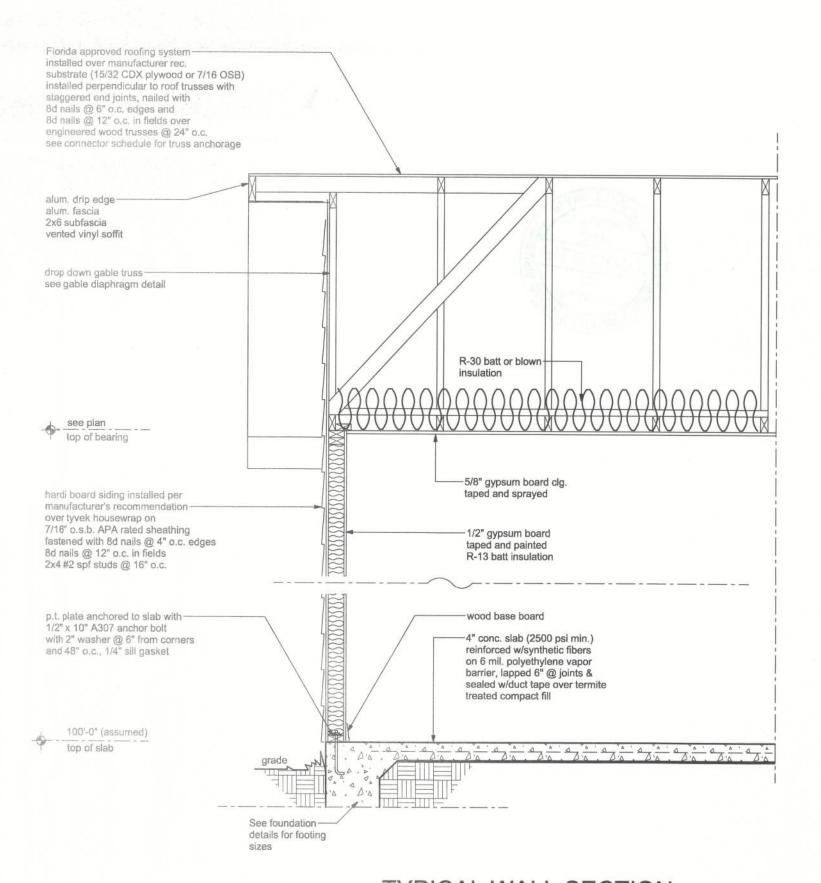
END WALL BRACING FOR CEILING DIAPHRAGM

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

@) 24" O.C. WITH

2-16D NAILS @ EACH END

1ST 2 FRAMING MEMBERS

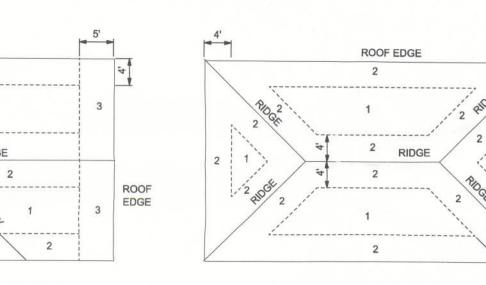


TYPICAL WALL SECTION

ROOF SHEATHING

NAILING ZONES (GABLE)

ROOF EDGE



ROOF SHEATHING NAILING ZONES (HIP)

-RAFTER/TRUSS

-BLOCKING @ 48" O.C.

SPACES AT EACH END

R-30 batt or blown

5/8" gypsum board clg. -

taped and sprayed

1/2" gypsum board

taped and painted

R-13 batt insulation

wood base board-

treated compact fill

| 4" conc. slab (2500 psi min.)-

reinforced w/synthetic fibers

on 6 mil. polyethylene vapor

barrier, lapped 6" @ joints &

sealed w/duct tape over termite

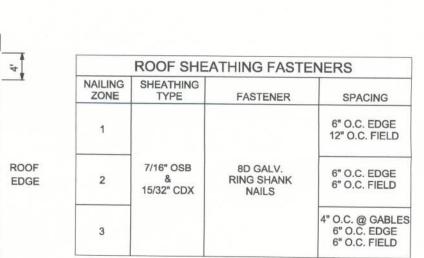
See foundation

sizes

details for footing

TYPICAL WALL SECTION

insulation —



Florida approved roofing system

staggered end joints, nailed with

engineered wood trusses @ 24" o.c.

substrate (15/32 CDX plywood or 7/16 OSB)

installed perpendicular to roof trusses with

see connector schedule for truss anchorage

continuous air vent baffles @ 24" o.c.

to be installed so that air flow is

hardi board siding installed per

over tyvek housewrap on 7/16" o.s.b. APA rated sheathing

8d nails @ 12" o.c. in fields

2x4 #2 spf studs @ 16" o.c.

o.t. plate anchored to slab with

with 2" washer @ 6" from corners

1/2" x 10" A307 anchor bolt

and 48" o.c., 1/4" sill gasket

100'-0" (assumed)

top of slab

manufacturer's recommendation

fastened with 8d nails @ 4" o.c. edges

not restricted

top of bearing

-alum, drip edge

alum. fascia

2x6 subfascia

vented vinyl soffit

installed over manufacturer rec

8d nails @ 6" o.c. edges and

8d nails @ 12" o.c. in fields over

ROOF SHEATHING FASTENING

FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

SPACES AT CEILING AND FLOOR LEVELS. 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL

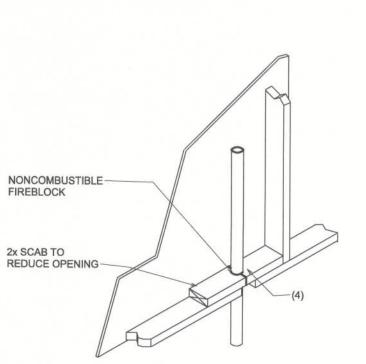
1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED

SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.

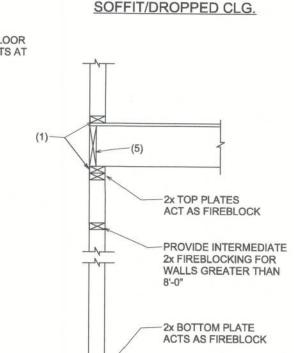
3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF

4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH PYROPANEL MULTIFLEX SEALANT

5. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.



PENETRATIONS



-ADD 2x FIREBLOCK

CUT BETWEEN STUDS

	\times
(1)—	(5)
	2x TOP PLATES ACT AS FIREBLOCK
	PROVIDE INTERMEDIATE 2x FIREBLOCKING FOR WALLS GREATER THAN 8'-0"
	2x BOTTOM PLATE ACTS AS FIREBLOCK
(1)—	(5)
	PLATFORM FRAMING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
	200				

THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR

TO THE BEGINNING OF THE PROJECT AND THE COINTRACTOR(S)

SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF

ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED

WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE

OWNER, CONTACTOR(S) AND SUPPLIERS SHALL BE RESOLVED

ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES

CODES. ALL COMPONENTS OF THE BUILDING SHAILL MEET WITH

THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE.

ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT

LEFT INTACT ON THE WINDOWS AND DOORS UNTILL INSPECTED

IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.

8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALIL LABELS

ALL WOOD IN CONTACT WITH CONCRETE SHALL

AND LOCAL REGULATIONS, INCLUDING APPLICABLIE ENERGY

OF ANY FUNDS.

THROUGH BINDING ARBITRATION.

BY THE BUILDING OFFICIAL.

LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT

Crews Engineering Services, LLC

CERTIFICATE OF AUTHORIZATION NO. 28022

> P.O. BOX 970 LAKE CITY, FL 32056 PHONE: 386.754.4085

fr22-2013

Brett A. Crews, P.E. 65592

- SHEATHING -

BUILDING LENGTH

ROOF SHEATHING LAYOUT

AND ENDWALL ROOF BRACING

DRAWN BY: APPROVED BY BC

BILL AND BONNIE GOOTIE
CUSTOM HOME

SECTIONS AND FRAMING DETAILS

CES PROJECT NO. 2013-020 SHEET: S-2