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ARCHITECTURE
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EXPERT WITNESS

SOUTHEAST
LOUISIANA
VETERANS
WALKING
TRAIL

NOTES &
DETAILS

REV:

SCALE: AS NOTED

JOB#:

DATE: 06-14-10

SHEET

A-2

OF

UPLIFT CONNECTIONS-130MPH WINDS EXP. "B"

CONNECTION	FRAMING SPACING (in.)	ROOF SPAN (ft.)	U	L	S	NUM. OF 8d COM. NAILS OR 10d BOX NAILS IN EA END OF 1'-1/4"x20 GA. STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" O.C.	17	386	246	109R	4
WALL ASSEMBLY TO WALL ASSEMBLY	16" O.C.	17	386	246	109R	4
WALL ASSEMBLY TO FOUNDATION	16" O.C.	17	170	185	436	4

ROOF SHEATH. OR CLAD. REQ. FOR WIND LOAD-EXP. B

SHEATHING TRUSS LOCATION	RAFTER/ TRUSS SPAC.	E F	
		MAX. NAIL SPAC. FOR 8d COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)	
INTERIOR ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
PERIMETER EDGE ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	6

140 MPH WINDS-EXPOSURE "B" (TP)

HEADER NAILING SCHEDULE

DESCRIPTION	NUM. OF COM. NAILS	NUM. OF BOX NAILS	SPACING
HEAD TO HEAD (FACE-WALLED)	8d	10d	6" O.C. EXCESS/ 12" O.C. REM

NOTE
ALL HEADERS SHALL HAVE SOLID BLOCKING

ROOF UNDERLAMENT APPLICATION

FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE), UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZ (33-PERCENT SLOPE), UNDERLAMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:

APPLY A 1/8 INCH STRIP OF UNDERLAMENT FEET PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36 INCH WIDE SHEETS OF UNDERLAMENT OVERLAPPING SUCCESSIVE SHEETS 19 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.

FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER, UNDERLAMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:

UNDERLAMENT SHALL BE APPLIED SHINGLE-FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAYS SHALL BE OFFSET BY 1/8 FEET.

SHINGLE APPLICATION/FASTENING

ASPHALT STRIP SHINGLES SHALL HAVE A MINIMUM OF SIX FASTENERS PER SHINGLE WHERE THE ROOF IS IN ONE OF THE FOLLOWING CATEGORIES:

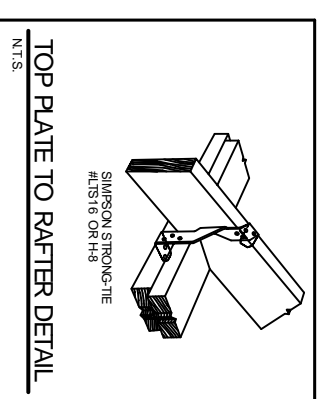
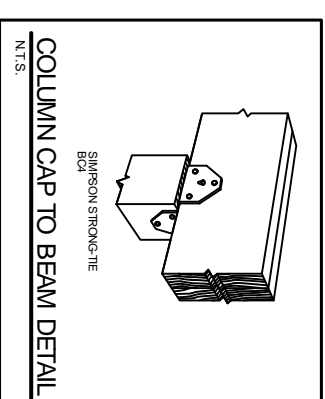
1. THE BASIC WIND SPEED IS 110 MPH OR GREATER AND THE EAVE IS 20 FEET OR HIGHER ABOVE GRADE.
2. THE BASIC WIND SPEED IS 120 MPH OR GREATER.
3. SPECIAL WIND ZONES.

DESIGN CRITERIA:

THE CONSTRUCTION FOR SAID RESIDENCE, WHERE BASIC WIND SPEED IS 130 MILES PER HOUR, IS DESIGNED IN ACCORDANCE WITH AND PAPER ASSOCIATION (ASPEA) WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (WFCM) 2001 EDITION, AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2006 EDITION.

HOLDDOWNS

HOLDDOWNS ARE REQUIRED AT THE END OF EACH SEGMENTED SHEARWALL SEGMENT OR AT EACH END OF A PERFORATED SHEARWALL WHEN FULL HEIGHT SHEARWALL SEGMENTS MEET AT A CORNER. A SINGLE HOLDDOWN SHALL BE PERMITTED TO BE USED TO RESIST THE OVERTURNING FORCES IN BOTH DIRECTIONS WHEN THE CORNER FRAMING IN THE ADJOINING WALLS IS FASTENED TOGETHER TO TRANSFER THE UPLIFT LOAD. SEE CORNER HOLDDOWN DETAIL.



UPLIFT CONNECTIONS

ROOF ASSEMBLY TO WALL ASSEMBLY:

UPLIFT CONNECTIONS SHALL BE FROM RAFTER OR TRUSS TO WALL STUD. WHEN RAFTERS OR TRUSSES ARE NOT LOCATED DIRECTLY ABOVE STUDS, RAFTERS SHALL BE ATTACHED TO THE END OF THE WALL STUD AND THE UPLIFT CONNECTION SHALL BE IN ACCORDANCE WITH TABLE.

WALL ASSEMBLY TO WALL ASSEMBLY:

STORY TO STORY UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD. WHEN UPPER STORY WALL STUDS ARE NOT LOCATED DIRECTLY ABOVE LOWER WALL STUDS, THE STUDS SHALL BE ATTACHED TO A COMMON MEMBER IN THE FLOOR ASSEMBLY BY UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE.

WALL ASSEMBLY TO FOUNDATION:

FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION STILL PLATE OR BOTTOM PLATE. A MINIMUM OF A 1'-1/4" x 20 GA. 5/16" A53 GRADE 33 STEEL STRAP SHALL BE WELDED TO THE WALL STUDS AND THE WALL STUDS SHALL BE WELDED TO THE FOUNDATION AND SLABS-ON-GRADE. 15 INCHES IN MASONRY/BLOCK FOUNDATIONS, OR BELAPPED UNDER THE BOTTOM PLATE. 3 INCH SQUARE WASHERS SHALL BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACINGS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRIPS EMBEDDED IN OR IN CONTACT WITH SLABS-ON-GRADE OR FOUNDATIONS SHALL BE PROTECTED WITH AN APPROPRIATE SURFACE AFTER FABRICATION OR MAILED FROM G165 OR Z450 GALV. STL CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE.