NOTE! – PLYWOOD/OSB SHEAR WALLS

MAIN WINDFORCE–RESITING SYSTEM SUBJECT TO SPECIAL INSPECTIONS 1705.4.1 INCLUDES PLYWOOD/OSB SHEATHING AND ATTACHMENT, BOTTOM ℄ ANCHORS, TENSION TIES, HURRICANE TIES, STRAPS, BLOCKING PANELS, BOLTS, THREADED RODS, AT ALL EXTERIOR WALLS AND INTERIOR SHEAR WALLS (SW), PLYWOOD/OSB FLOOR AND ROOF SHEATHING AND ATTACHMENT.

NOTE! – PLYWOOD/OSB SHEAR WALLS

ALL EXTERIOR WALLS AND INTERIOR SHEAR WALLS (SW) SHALL HAVE 7/16" EXTERIOR GRADE PLYWOOD/OSB SHEATHING. ATTACH SHEATHING TO SUPPORTING MEMBERS USING 8d NAILS. ALL EDGES TO BE BLOCKED WITH 2" NOMINAL FRAMING MEMBERS. NAILS SHALL BE PLACED NOT LESS THAN 3/8" FROM THE PANEL EDGE – SEE SCHEDUE (S002) FOR PANEL EDGE NAIL SPACING – NAIL @ 12" O.C. AT INTERMEDIATE FRAMING MEMBERS. LAYOUT PANELS STAGGERED AND PERPENDICULAR TO WALL STUDS.

NOTE!

ATTACH DOUBLE 2x6 WALL STUDS TOGETHER USING 2 ROWS OF 16d NAILS @ 24" O.C. – TYPICAL

NOTE!

PROVIDE SOLID WOOD BLOCKING FROM ALL STUDS AND MULTIPLE (GANG) STUDS TO BEAM/WALL, STUDS OR FOUNDATION BELOW – TYPICAL

NOTE!

ATTACH GANG STUDS (3 OR MORE STUDS) TOGETHER USING SIMPSON SDS¼x6 SCREWS @ 12" O.C. STAGGERED EACH FACE – TYPICAL WHERE USING 3 OR MORE STUDS TOGETHER

NOTE!

ATTACH WOOD STUDS TO EACH SIDE OF STEEL COLUMNS USING 0.157"ø P.A.F. @ 12" O.C. STAGGERED – TYPICAL

WALL STUD SCHEDULE.

FLOOR	SPECIES	SIZE	SPACING	LOCATION	NOTES
4TH	SPFS STUD	2x6	@ 16" O.C.	CORRIDOR	
	SPFS STUD	2x6	@ 16" O.C.	EXTERIOR	
	SPFS STUD	2x6	@ 16" O.C.	–	INT. SHEAR WALLS
	SPFS STUD	(2)2 – 2x6	–	–	INT. SW – SEE S601
	SPFS STUD	–	–	JAMBS	SEE HEADER SCHEDULE
3RD	SPFS STUD	2x6	@ 16" O.C.	INTERIOR	
	SPFS NO. 2	2x6	@ 16" O.C.	EXTERIOR	
OR	SP STUD	2x6	@ 16" O.C.	EXTERIOR	
	SPFS STUD	2x6	@ 16" O.C.	–	INT. SHEAR WALLS
	SPFS STUD	(2)2 – 2x6	–	–	INT. SW – SEE S601
	SPFS NO. 2	–	–	JAMBS	SEE HEADER SCHEDULE
2ND	SP STUD	2x6	@ 16" O.C.	INTERIOR	
OR	SPFS NO. 2	2x6	@ 16" O.C.	INTERIOR	
	SPFS NO. 2	2x6	@ 16" O.C.	EXTERIOR	
OR	SP STUD	2x6	@ 16" O.C.	EXTERIOR	
	SPFS STUD	2 – 2x6	@ 16" O.C.	–	INT. SHEAR WALLS
	SPFS STUD	(2)2 – 2x6	–	–	INT. SW – SEE S601
	SPFS NO. 2	–	–	JAMBS	SEE HEADER SCHEDULE
1ST	SP NO. 2	2x6	@ 16" O.C.	INTERIOR	
OR	SPFS STUD	2 – 2x6	@ 16" O.C.	INTERIOR	
	SP NO. 2	2x6	@ 16" O.C.	EXTERIOR	
OR	SPFS STUD	2 – 2x6	@ 16" O.C.	EXTERIOR	
	SPFS NO. 2	2 – 2x6	@ 16" O.C.	–	INT. SHEAR WALLS
	SPFS NO. 2	(2)2 – 2x6	–	–	INT. SW – SEE S601
	SPFS NO. 2	–	–	JAMBS	SEE HEADER SCHEDULE

SP STUD INDICATES SOUTHERN PINE STUD GRADE
SP NO. 2 INDICATES SOUTHERN PINE NO. 2
SPFS STUD INDICATES SPRUCE–PINE–FIR(SOUTH) STUD GRADE
SPFS NO. 2 INDICATES SPRUCE–PINE–FIR(SOUTH) NO. 2

SHEAR WALLS SCHEDULE

MARK	FLOOR	PLYWOOD/OSB	NAIL	SPACING	TENSION TIE
SW1	1ST	7/16" ONE (1) SIDE OF WALL	8d	@ 4" O.C.	SIMPSON ATS EACH END OF WALL
	2ND	7/16" ONE (1) SIDE OF WALL	8d	@ 6" O.C.	– SEE S601
	3RD	7/16" ONE (1) SIDE OF WALL	8d	@ 6" O.C.	
	4TH	7/16" ONE (1) SIDE OF WALL	8d	@ 6" O.C.	
SW2	1ST	7/16" ONE (1) SIDE OF WALL	8d	@ 4" O.C.	
– EXT.	2ND	7/16" ONE (1) SIDE OF WALL	8d	@ 6" O.C.	
WALLS	3RD	7/16" ONE (1) SIDE OF WALL	8d	@ 6" O.C.	
	4TH	7/16" ONE (1) SIDE OF WALL	8d	@ 6" O.C.	

* 8d @ 12" O.C. INTERMEDIATE

* ALL TENSION TIES ARE SIMPSON OR EQUIVALENT

STRUCTURAL DESIGN CRITERIA:

DESIGN:

1. STRUCTURAL DESIGN CONFORMS TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, 2009 EDITION AND ASCE 7-05.

2. BUILDING CATEGORY (T1604.5) II

3. FLOOR LIVE LOADS USED IN DESIGN (POUNDS PER SQUARE FOOT):

RESIDENCE AND CORRIDORS SERVING THEM	40 PSF
PUBLIC ROOMS AND CORRIDORS SERVING THEM	100 PSF
STAIRS	100 PSF

4. BUILDING CODE REQUIRED ROOF LIVE AND SNOW LOAD USED IN DESIGN (POUNDS PER SQUARE FOOT):

LIVE		20 PSF
SNOW - Pg		5 PSF
SNOW - Pf		9 PSF
SNOW EXPOSURE FACTOR, Ce	1.0	
SNOW LOAD IMPORTANCE FACTOR, Is	1.0	
SNOW THERMAL FACTOR, Ct	1.0	

5. DEAD LOADS USED IN DESIGN (POUNDS PER SQUARE FOOT):

FLOOR DEAD LOADS:	
FLOOR FINISH	1 PSF
3/4" GYPCRETE TOPPING	8 PSF
3/4" PLYWOOD	3 PSF
HANGING	4 PSF
MECHANICAL	3 PSF
SPRINKLERS	3 PSF
PARTITIONS	10 PSF
TRUSSES	3 PSF
ROOF DEAD LOADS:	
ROOFING (SINGLE PLY MECHANICALLY FASTENED)	3 PSF
INSULATION	2 PSF
3/4" PLYWOOD	3 PSF
HANGING	3 PSF
MECHANICAL	3 PSF
SPRINKLERS	3 PSF
TRUSSES	3 PSF

6. WIND LOAD DATA:

BASIC WIND SPEED, V	90 MPH
WIND IMPORTANCE FACTOR, Iw	1.0
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT (2009 IBC 1604.1.4)	±0.18

COMPONENT AND CLADDING WIND PRESSURE

	10sf	100sf	500sf
ZONE 4	22.2 PSF	19.2 PSF	17.0 PSF
ZONE 5	27.3 PSF	21.3 PSF	17.0 PSF

CALCULATED WIND BASE SHEARS (FOR MWFRS) Vx = 53.4K Vy = 218.2K

7. SEISMIC LOAD DATA:

COMPLIANCE WITH ASCE 7-05 SECTION 11.7 ONLY? NO

SEISMIC DESIGN CATEGORY B, C & D	
SEISMIC IMPORTANCE FACTOR, Ie	1.0
SOIL SITE CLASS	D
SPECTRAL RESPONSE ACCELERATION - SHORT PERIOD, SDS	0.197g
SPECTRAL RESPONSE ACCELERATION - 1.0 SECOND, SD1	0.131g
SEISMIC DESIGN CATEGORY	B
BASIC SEISMIC-FORCE RESISTING SYSTEM	
BEARING WALL SYSTEM/LIGHT FRAMED WALL W/ WOOD SHEAR WALLS	
RESPONSE MODIFICATION COEFFICIENT, R	6 1/2
DEFLECTION AMPLIFICATION FACTOR, Cd	4
BUILDING HEIGHT LIMIT, FEET	H = NL
EQUIVALENT LATERAL-FORCE PROCEDURE	

SEISMIC BASE SHEAR Vx = 54.8K Vy = 65.4K

ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED? SEE CHAPTER 13 OF ASCE 7-05

LATERAL DESIGN CONTROLLED BY: X WIND-Y X SEISMIC-X

SOIL BEARING CAPACITIES:

FIELD TEST (PROVIDED COPY OF TEST REPORT)	1500/2000 PSF
PRESUMPTIVE BEARING CAPACITY	NA
PILE SIZE, TYPE AND CAPACITY	NA

NOTE!

SEE SOILS REPORT FOR FOOTING BEARING ELEVATION INFORMATION – SOILS ENGINEER SHALL FIELD VERIFY TOP OF FOOTING ELEVATIONS – TYPICAL

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REVISIONS		
No.	Date	Description
1	11.01.13	Pool Equip., Ftgs & Rf Slope

KEY PLAN

Southern Hospitality Services

Hampton Inn and Suites

5400 I-20 & Frontage Rd.
Monroe, LA 71201

Drawing Title
General Notes

Phase
Construction Documents

Project No. 12-111
Prepared by AB/LW
Checked by HLW
Date September 16, 2013

Sheet No. S002

Released for

Hampton Inn and Suites