FOLDING PARTITION:

1. FOLDING PARTITION IS ASSUMED TO BE 10'-0" HIGH WITH A WEIGHT OF 12 PSF. MAXIMUM SUPPORT LIVE LOAD DEFLECTION SHALL BE LIMITED TO 1 1/2". GENERAL CONTRACTOR SHALL VERIFY WITH PARTITION SUPPLIER.

POST-INSTALLED ANCHORS:

1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONTRACT DOCUMENTS. CONTRACTOR SHALL OBTAIN APPROVAL FROM STRUCTURAL ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING STEEL REINFORCING. HOLES SHALL BE DRILLED AND CLEANED AS PER MANUFACTURERS RECOMMENDATIONS. ANCHORS SHALL BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS. CONTRACTOR INSTALLING ADHESIVE ANCHORS SHALL BE TRAINED BY THE MANUFACTURERS REPRESENTATIVE. THIS TRAINING SHALL INCLUDE HOLE DRILLING, CLEANING AND INSTALLATION METHODS FOR CONSTRUCTION CONDITIONS ON THIS PROJECT.

*CONCRETE ANCHORS SEISMIC DESIGN CATEGORY A, B, C, D, E, AND F:
1) EXPANSION ANCHORS - "STRONG-BOLT 2" OR "STRONG-BOLT" BY SIMPSON STRONG-TIE, "KWIK BOLT TZ" BY HILTI OR EQUIVALENT, "POWER STUD+ SD1" BY POWERS FASTENERS - UNLESS NOTED OTHERWISE.
2) CONCRETE ADHESIVE ANCHORS - "SET-XP EPOXY-TIE" BY SIMPSON STRONG-TIE, "HIT-RE 500-SD" OR "HIT-HY 150 MAX-SD" BY HILTI OR EQUIVALENT - UNLESS NOTED OTHERWISE.
3) SCREW ANCHORS - "TITEN HD" BY SIMPSON STRONG-TI, "KWIK HUS-EZ" BY HILTI OR EQUIVALENT.
4) SLEEVE ANCHORS - "HSL-3" BY HILTI OR EQUIVALENT.

*MASONRY ANCHORS:
1) EXPANSION ANCHORS - "WEDGE-ALL" BY SIMPSON STRONG-TIE, "KWIK BOLT 3" BY HILTI OR EQUIVALENT - UNLESS NOTED OTHERWISE.
2) ADHESIVE ANCHORS (GROUT FILLED) - "SET EPOXY-TIE" BY SIMPSON STRONG-TIE, "HIT-HY 150 MAX" BY HILTI OR EQUIVALENT - UNLESS NOTED OTHERWISE.
3) ADHESIVE ANCHORS (HOLLOW CMU OR BRICK) - "SET EPOXY-TIE" BY SIMPSON STRONG-TIE, "HIT-HY 70" BY HILTI OR EQUIVALENT - UNLESS NOTED OTHERWISE.
4) SCREW ANCHORS - "TITEN HD" BY SIMPSON STRONG-TIE, "HUS-H" BY HILTI OR EQUIVALENT.
5) SLEEVE ANCHORS - "SLEEVE-ALL" BY SIMPSON STRONG-TIE, "HLC" BY HILTI OR EQUIVALENT.

STAIR DESIGN:

1. STAIRS, LANDINGS AND HANDRAILS SHALL BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF OF THE PROJECT. DESIGNS SHALL BE SEALED AND SIGNED BY HIM/HER AND SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. SUBMIT SHOP DRAWINGS SHOWING LAYOUT OF STAIRS AND STRUCTURAL FRAMING, INCLUDING ARRANGEMENT, DIMENSIONS, CONNECTIONS AND RELATION TO ADJACENT WORK TO ARCHITECT FOR APPROVAL.

ELEVATOR:

1. GENERAL CONTRACTOR SHALL COORDINATE/VERIFY ALL STRUCTURAL STEEL REQUIRED FOR GUIDE RAIL SUPPORT AND HOIST BEAM. PROVIDE W8x10 HOIST BEAM AND HSS 6x4x5/16 GUIDE RAIL UNLESS NOTED OTHERWISE. VERIFY/COORDINATE ALL STEEL LOCATIONS, DIMENSIONS AND ELEVATIONS - TYPICAL.

PRE-MANUFACTURED CANOPIES AND AWNINGS:

1. THE DESIGN, CONNECTION AND ALL ATTACHMENTS OF ALL CANOPIES AND AWNINGS SHALL BE THE RESPONSIBILITY OF THE CANOPY/AWNING SUPPLIER. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ATTACHMENT REQUIREMENTS AND PROVIDE ADDITIONAL STUDS, BLOCKING ETC. AS REQUIRED.

WALL STUD SCHEDULE.

FLOOR	SPECIES	SIZE	SPACING	LOCATION	NOTES
4TH	SPFS STUD	2x6	@ 16" O.C.	ALL	
3RD	SPFS STUD	2x6	@ 16" O.C.	ALL	
2ND	SPFS STUD	2x6	@ 16" O.C.	ALL	
1ST	SPFS STUD	(2) 2x6	@ 16" O.C.	ALL	

SPFS STUD INDICATES SPRUCE-PINE-FIR (SOUTH) STUD GRADE

SHEAR WALLS SCHEDULE

FLOOR	PLYWOOD/OSB	FASTENER	SPACING	TENSION TIE
1ST	15/32" (1) SIDE OF WALL	8d NAIL	@ 4" O.C.	SEE SHEET S602
2ND	15/32" (1) SIDE OF WALL	8d NAIL	@ 4" O.C.	SEE SHEET S602
3RD	15/32" (1) SIDE OF WALL	8d NAIL	@ 6" O.C.	SEE SHEET S602
4TH	15/32" (1) SIDE OF WALL	8d NAIL	@ 6" O.C.	SEE SHEET S602

* 8d @ 12" O.C. INTERMEDIATE

* ALL TENSION TIES ARE SIMPSON OR EQUIVALENT

NOTE! – PLYWOOD/OSB SHEAR WALLS

MAIN WINDFORCE-RESITING SYSTEM SUBJECT TO SPECIAL INSPECTIONS 1705.4.1 INCLUDES PLYWOOD/OSB SHEATHING AND ATTACHMENT, BOTTOM PL 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 15/32" 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!

GEOTECHNICAL ENGINEER SHALL VERIFY REQUIREMENTS FOR VOID SPACE WITH CARDBOARD FORMS UNDER STRUCTURAL FIRST FLOOR SLAB. GENERAL CONTRACTOR SHALL COORDINATE.

STRUCTURAL DESIGN CRITERIA:

DESIGN:

1. STRUCTURAL DESIGN CONFORMS TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, 2012 EDITION AND ASCE 7-10.

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		10 PSF
SNOW - Pf		12 PSF
SNOW EXPOSURE FACTOR, Ce	1.0	
SNOW LOAD IMPORTANCE FACTOR, Is	1.0	
SNOW THERMAL FACTOR, Ct	1.0	
SNOW ROOF SLOPE FACTOR, Cs	1.0 (SLIDING SNOW)	

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

2ND-4TH 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
I-JOISTS	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:

ULTIMATE WIND SPEED, Vult	115 MPH
WIND IMPORTANCE FACTOR, Iw	1.0
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 T26.11-1)	±0.18

COMPONENT AND CLADDING WIND PRESSURE - ULTIMATE:

	10sf	100sf	500sf
ZONE 4	33.4 PSF	28.5 PSF	25.1 PSF
	-36.2 PSF	-31.3 PSF	-27.8 PSF
ZONE 5	33.4 PSF	28.5 PSF	25.1 PSF
	-44.5 PSF	-28.5 PSF	-27.8 PSF

CALCULATED WIND BASE SHEARS (FOR MWFRS) Vx = 79.2K Vy = 402.2K

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	E
SPECTRAL RESPONSE ACCELERATION - SHORT PERIOD, SDS	0.619g
SPECTRAL RESPONSE ACCELERATION - 1.0 SECOND, SD1	0.547g
SEISMIC DESIGN CATEGORY	D
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 = 138.6K Vy = 138.6K

ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED? SEE CHAPTER 13 OF ASCE 7-10

LATERAL DESIGN CONTROLLED BY: X-SEISMIC Y-WIND

SOIL BEARING CAPACITIES:
FIELD TEST (PROVIDED COPY OF TEST REPORT) STONE AGGREGATE PIERS 7,000 PSF

PRESUMPTIVE BEARING CAPACITY	NA
PILE SIZE, TYPE AND CAPACITY	NA

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REVISIONS		
No.	Date	Description

KEY PLAN

Shiva Southaven Inc.

Holiday Inn Express & Suites

Lot 16 (Rev Lot 3) Southcrest Pkwy.
Southcrest Subdivision
Southaven, MS 38671

Drawing Title
General Notes

Phase
Construction Documents

Project No.	14-081	Sheet No.	S002
Prepared by	AEB		
Checked by	HLW		
Date	Feb. 27, 2015		

Review

Holiday Inn Express & Suites