

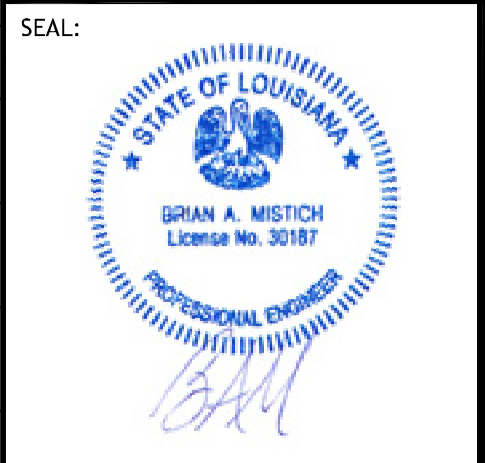
SHEET INDEX	
SHEET #	SHEET TITLE
C100	SITE PLAN
S101	FOUNDATION AND FRAMING PLAN
S102	TYPICAL CONNECTION DETAILS, SCHEDULES, & NOTES
A101	FLOOR PLAN
A102	EXTERIOR ELEVATIONS
A103	EXTERIOR ELEVATIONS
E101	MECHANICAL AND ELECTRICAL PLAN

PROJECT HUGH HERRON RESIDENCE	
EXISTING SQUARE FEET = 2845	ADDITION SQUARE FEET = 560
TOTAL SQUARE FEET = 3,405	
SURVEY LEGAL	
SURVEY OF LOT 17 SQUARE B RIGOLETS ESTATES SUBDIVISION ST. TAMMANY PARISH LOUISIANA	
PLANNING	
ZONED - RESIDENTIAL	
BUILDING ELEVATION	
BASE FLOOD ELEVATION = 15'-16" FINISHED FLOOR ELEVATION = 17'	
FLOOD ZONE	
ZONE "V15"	
SITE SETBACKS	
FRONT SET BACK = 50'-0" SIDE = 10'-0"/15'-0" CORNER REAR = 20% OF LOT DEPTH WITH A MINIMUM 50'-0"	
GENERAL NOTES	
<ol style="list-style-type: none"> <li>ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.</li> <li>CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.</li> <li>DO NOT SCALE DRAWINGS.</li> <li>TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE WEEKLY.</li> <li>THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO DAMMON ENGINEERING.</li> <li>CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.</li> <li>ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS WILL BE REJECTED BY OWNER.</li> </ol>	
WIND SPEED	
THE CONSTRUCTION FOR SAID RESIDENCE, WHERE VUL WIND SPEED IS 141 mph and V80d WIND SPEED IS 110 mph, WIND EXPOSURE ZONE C. THIS DESIGN IS IN ACCORDANCE WITH: AMERICAN WOOD COUNCIL, WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (WFCM) 2015 EDITION AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2015 EDITION.	

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REVISIONS	DATE
#	DESCRIPTION



**HUGH HERRON**

305 MARLIN DRIVE  
SLIDELL, LOUISIANA

JOB No: 2018  
DATE: 10-19-2018  
DRAWN BY: CRD/JAG/KM  
CHECKED BY: CKD

**1 SITE PLAN**  
SCALE: 1"=20'-0"

SHEET TITLE:  
SITE PLAN

DRAWING NUMBER:  
**C100**

SHEET No: 1 of 1



### TABLE S102.7 - HEADER SPANS FOR INTERIOR LOAD-BEARING WALLS

HEADERS SUPPORTING	SIZE	DROPPED HEADER			RAISED HEADER		
		BUILDING WIDTH (ft.)			BUILDING WIDTH (ft.)		
		12	24	36	12	24	36
ONE FLOOR ONLY (CENTER BEARING)	(2) 2x4	4'-0"	2'-10"	2'-4"	4'-1"	2'-10"	2'-4"
	(2) 2x6	5'-11"	4'-3"	3'-5"	6'-1"	4'-4"	3'-6"
	(2) 2x8	7'-1"	5'-2"	4'-4"	7'-9"	5'-5"	4'-5"
	(2) 2x10	7'-11"	6'-0"	5'-0"	9'-2"	6'-6"	5'-3"
ONE FLOOR ONLY (SINGLE CENTER BEARING WALL)	(2) 2x12	8'-6"	6'-7"	5'-7"	10'-9"	7'-7"	6'-3"
	(3) 2x8	8'-5"	6'-4"	5'-3"	9'-8"	6'-10"	5'-7"
	(3) 2x10	9'-3"	7'-11"	6'-0"	11'-5"	8'-1"	6'-7"
	(3) 2x12	9'-11"	7'-8"	6'-7"	13'-6"	9'-6"	7'-9"
(4) 2x8	9'-5"	7'-2"	6'-0"	11'-2"	7'-11"	6'-5"	
	(4) 2x10	10'-3"	7'-11"	6'-9"	13'-3"	9'-4"	7'-8"
	(4) 2x12	11'-0"	8'-7"	7'-4"	15'-7"	11'-0"	9'-0"

### TABLE S102.8 - HEADER SPANS FOR EXTERIOR LOAD-BEARING WALLS RESISTING WIND LOADS EXP "C"

SIZE	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH	195 MPH
(2) 2x4	5'-1"	4'-8"	4'-4"	4'-1"	3'-10"	3'-7"	3'-5"	3'-2"
(2) 2x6	6'-3"	5'-9"	5'-4"	5'-0"	4'-8"	4'-5"	4'-2"	3'-10"
(2) 2x8	6'-10"	6'-4"	5'-11"	5'-6"	5'-2"	4'-10"	4'-7"	4'-3"
(2) 2x10	7'-4"	6'-10"	6'-4"	5'-11"	5'-6"	5'-2"	4'-11"	4'-6"
(2) 2x12	7'-10"	7'-3"	6'-9"	6'-3"	5'-11"	5'-7"	5'-3"	4'-10"
(3) 2x8	8'-5"	7'-9"	7'-2"	6'-9"	6'-4"	5'-11"	5'-7"	5'-2"
(3) 2x10	9'-0"	8'-4"	7'-9"	7'-3"	6'-9"	6'-4"	6'-0"	5'-7"
(3) 2x12	9'-7"	8'-11"	8'-3"	7'-8"	7'-3"	6'-10"	6'-5"	5'-11"
(4) 2x8	9'-8"	9'-0"	8'-4"	7'-9"	7'-3"	6'-10"	6'-6"	6'-0"
(4) 2x10	10'-5"	9'-7"	8'-11"	8'-4"	7'-10"	7'-4"	6'-11"	6'-5"
(4) 2x12	11'-7"	11'-1"	10'-3"	9'-6"	8'-11"	8'-4"	7'-10"	6'-10"

### TABLE S102.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 110 MPH WIND EXP "C"

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING UPLIFT LOADS	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		5' END ZONES	INTERIOR ZONES
1 - 3 STORIES	50 INCHES ON CENTER	50 INCHES ON CENTER	

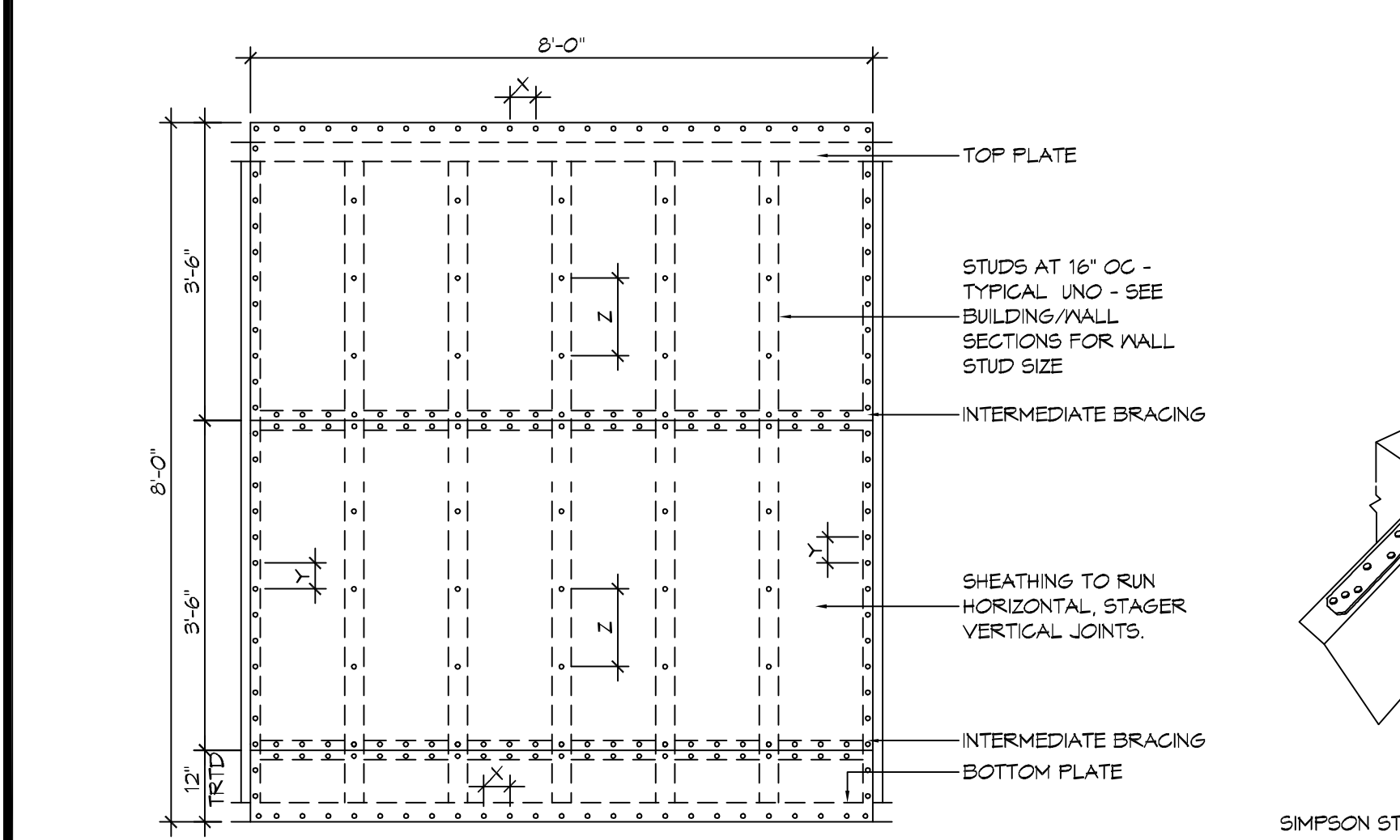
NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE

### TABLE S102.10 - BOTTOM PLATE TO FOUNDATION CONNECTIONS (ANCHOR BOLTS) RESISTING LATERAL & SHEAR LOADS - EXP "C"

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING UPLIFT LOADS	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		1/2" Ø ANCHOR BOLTS	5/8" Ø ANCHOR BOLTS
1 STORY	40 INCHES ON CENTER	40 INCHES ON CENTER	

### TABLE S102.11 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXP "C"

HEADER SPAN (FEET)	WALL STUD SPACING (INCHES)		
	12" O.C.	16" O.C.	24" O.C.
2	1	1	1
4	2	2	2
6	3	3	2
8	4	3	2
10	5	4	3
12	6	5	3
14	7	6	4
16	8	6	4



**NAIL SPACING**  
 X = 4" O.C.  
 Y = 4" O.C.  
 Z = 12" O.C.

X = PLATE EDGE NAIL SPACING  
 Y = LONG EDGE NAIL SPACING  
 Z = FIELD NAIL SPACING

1 TYPICAL CONNECTION DETAILS  
 SCALE: NTS

### TABLE S102.5 - JACK STUD REQ - INT LOADBEARING WALLS

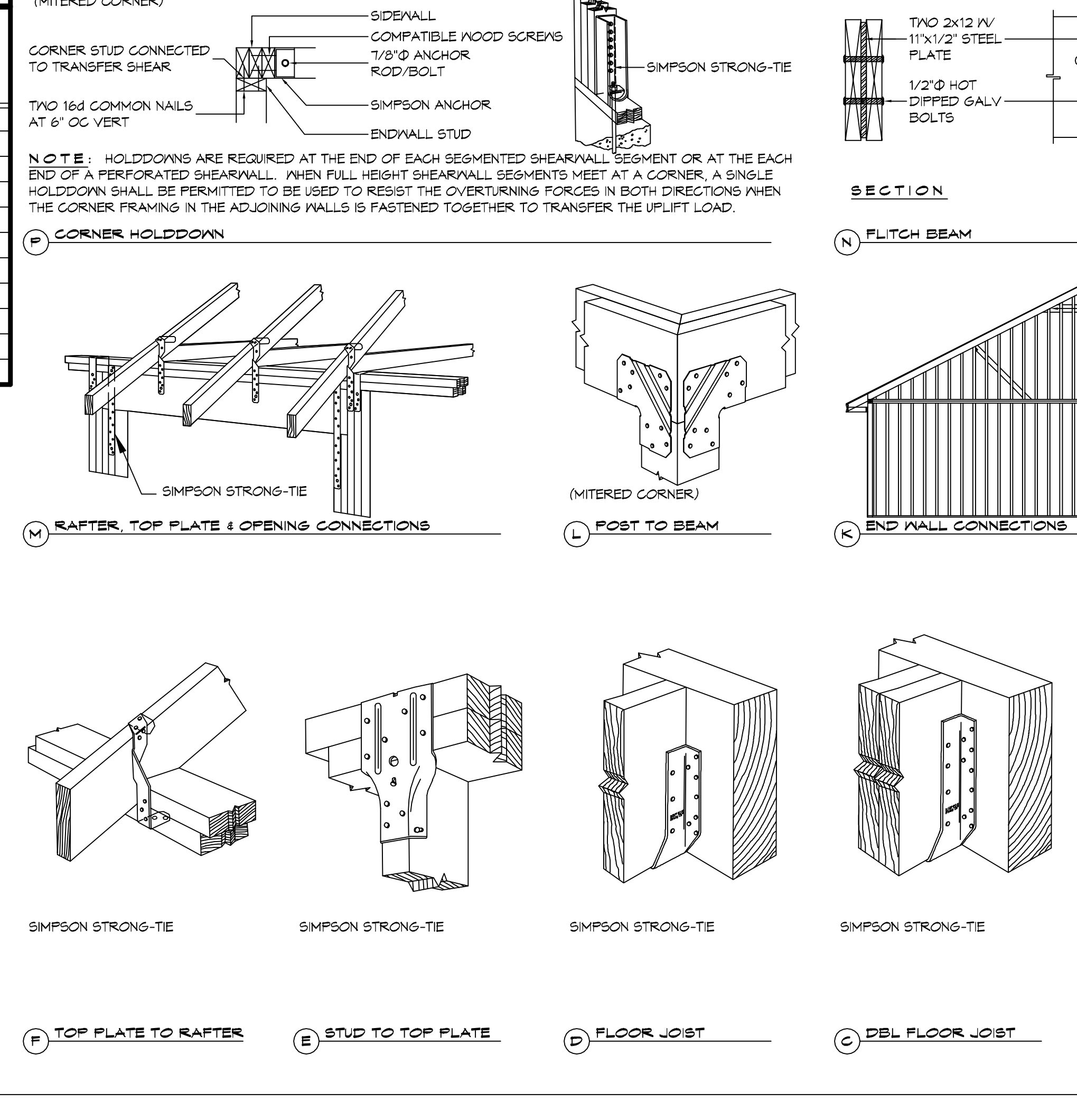
HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)											
		12 FEET				24 FEET				36 FEET			
		NUMBER OF JACK STUDS REQUIRED AT EACH END OF THE HEADER											
ONE FLOOR ONLY (CENTER BEARING)	2	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1
	6	1	1	1	1	1	1	1	1	2	1	1	1
	8	1	1	1	1	2	1	1	1	2	2	2	1
	10	1	1	1	1	2	2	1	1	3	2	2	2
	12	1	1	1	1	2	2	2	1	3	2	2	2
TWO FLOORS (CENTER BEARING)	2	1	1	1	1	1	1	1	1	2	1	1	1
	4	1	1	1	1	2	1	1	1	3	2	2	2
	6	2	1	1	1	3	2	2	2	4	3	3	2
	8	2	1	1	1	3	2	2	2	4	3	3	2
	10	2	2	2	1	4	3	3	2	6	4	4	3
	12	3	2	2	2	5	3	3	3	7	5	4	4

HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH W/ 1/2" PLYWOOD SPACER BETWEEN

### TABLE S102.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF LIVE LOAD 20 PSF				GROUND SNOW LOAD 30 PSF			
		3'	4.5'	5'	6'	3'	4.5'	5'	6'
ROOF AND CEILING	2	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1
	6	2	1	1	1	2	1	1	1
	8	2	2	2	1	2	2	2	1
	10	3	2	2	2	3	2	2	2
	12	3	2	2	2	3	2	2	2
ROOF, CEILING, AND ONE CENTER BEARING FLOOR	2	1	1	1	1	1	1	1	1
	4	2	1	1	1	2	1	1	1
	6	2	2	2	1	3	2	2	2
	8	3	2	2	2	3	2	2	2
	10	4	3	3	2	4	3	3	3
	12	4	3	3	2	5	3	3	3

HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6" (4-2x) EACH W/ 1/2" PLYWOOD SPACER BETWEEN



### TABLE S102.3 - NAILING SCHEDULE

DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	SPACING
WALL FRAMING			
TOP PLATE TO TOP PLATE (FACE NAILED)	2-16d	2-16d	PER FOOT
TOP PLATE AT INTERSECTION (FACE)	4-16d	5-16d	JOINTS - EACH SIDE
STUD TO STUD (FACE-NAILED)	2-16d	2-16d	24" O.C.
HEADER TO HEADER (FACE NAILED)	16d	16d	16" O.C. EDGES
TOP OR BOTTOM PLATE TO STUD (END)	SEE TABLE	SEE TABLE	PER STUD
BOTTOM PLATE TO FLOOR JOIST, BANDJOIST, END JOIST OR BLOCKING	2-16d	2-16d	PER FOOT
ROOF SHEATHING			
WOOD STRUCTURAL PANELS	8d	10d	SEE TABLE S102.1
DIAGONAL BOARD SHEATHING			
1"x6" OR 1"x8"	2-8d	2-10d	PER SUPPORT
1"x10" OR WIDER	3-8d	3-10d	PER SUPPORT

### TABLE S102.4 - BUILDING ENVELOPE REQUIREMENTS

ROOFS	OPAQUE ELEMENTS		ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE
	INSULATION ENTIRELY ABOVE DECK	METAL BUILDING	U-0.048	R-20.0 c.i.
WALLS, ABOVE GRADE	METAL BUILDING	U-0.085	R-19	
	STEEL-FRAMED	U-0.027	R-30	
	WOOD-FRAMED AND OTHER	U-0.151 @	R-5.7 c.i. @	
FLOORS	METAL BUILDING	U-0.119	R-19.0	
	STEEL JOIST	U-0.124	R-19.0	
	WOOD FRAMED AND OTHER	U-0.089	R-19.0	
SLAB-ON-GRADE	UN-HEATED	U-0.107	R-6.3 c.i.	
	SWINGING	U-0.052	R-19.0	
OPAQUE DOORS	UN-SWINGING	U-0.051	R-19.0	
	SWINGING	F-0.730	NR	
		U-1.450	NR	

c.i. = CONTINUOUS INSULATION; NR = NO INSULATION REQUIREMENT; @ = EXCEPTION APPLIES

### ROOF UNDERLAYMENT NOTES

- FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE), UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
  - APPLY A 14 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36 INCH WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 14 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
- FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
  - UNDERLAYMENT SHALL BE APPLIED SINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6 FEET.

### SHINGLE APPLICATION & FASTENING NOTES

- ASPHALT STRIP SHINGLES SHALL HAVE A MINIMUM OF SIX FASTENERS PER SHINGLE WHERE THE ROOF IS IN ONE OF THE FOLLOWING CATEGORIES:
  - THE BASIC WIND SPEED IS 110 MPH OR GREATER AND THE EAVE IS 20 FEET OR HIGHER ABOVE GRADE.
  - THE BASIC WIND SPEED IS 120 MPH OR GREATER.
  - SPECIAL WIND ZONES.

### GENERAL UPLIFT CONNECTION NOTES

**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 WALL STUD AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.10.

**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 S102.11.

**WALL ASSEMBLY TO FOUNDATION:**  
 FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION, SILL PLATE, OR BOTTOM PLATE. A MINIMUM OF A 1-1/4" X 20 GA. ASTM A653 GRADE 39 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 1 INCHES IN CONCRETE FOUNDATIONS AND SLABS-ON-GRADE, 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPPED 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 STRAPS EMBEDDED IN OR IN CONTACT WITH SLAB-ON-GRADE OR MASONRY BLOCK FOUNDATIONS SHALL BE HOT-DIPPED GALV. AFTER FABRICATION, OR MANUF. FROM G105 OR Z450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.12.

### TABLE S102.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - 110 MPH WIND LOAD EXP "C"

SHEATHING LOCATION	RAFTER / TRUSS SPACING	E F	
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	6

110 MPH WIND - EXPOSURE 'C' TYPICAL  
 E = NAIL SPACING AT PANEL EDGES, INCHES.  
 F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

### TABLE S102.2 - WALL SHEATHING OR CLADDING REQUIREMENT - 110 MPH WIND LOAD EXP "C"

SHEATHING LOCATION	STUD SPACING	E F	
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12

110 MPH WIND - EXPOSURE 'C' TYPICAL  
 E = NAIL SPACING AT PANEL EDGES, INCHES.  
 F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

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 Fax: 985-641-9590

DATE: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 # DESCRIPTION: \_\_\_\_\_  
 SEAL: \_\_\_\_\_  
 STATE OF LOUISIANA  
 BRIAN A. MISTICH  
 LICENSE NO. 30187  
 PROFESSIONAL ENGINEER

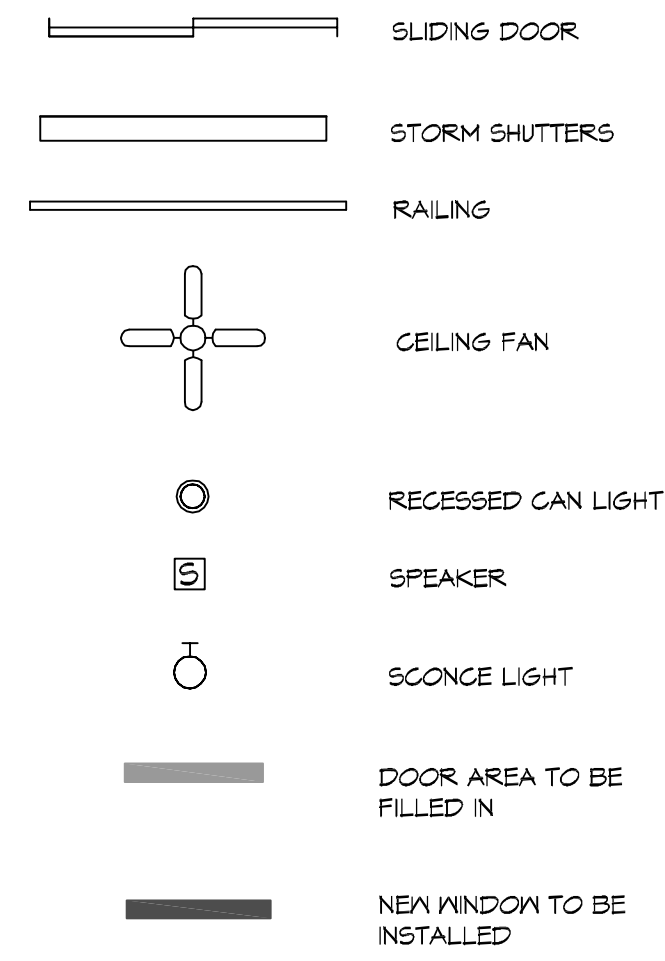
2016 MARLIN DRIVE  
 SUDELL, LOUISIANA  
 JOB NO: \_\_\_\_\_  
 DATE: 10-19-2016  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_

SHEET TITLE:  
 TYPICAL CONNECTION  
 DETAILS, SCHEDULES, AND  
 NOTES  
 DRAWING NUMBER:  
**S102**  
 SHEET No: 3 of 7

**DEMOLITION NOTES**

1. REMOVE ALL ELECTRICAL EQUIPMENT.
2. REMOVE CEILING AS NEEDED.
3. REMOVE ROOF AS NEEDED.
4. REMOVE EXISTING SLIDING GLASS DOOR. INSTALL NEW STUDS, SHEET ROCK, INSULATION, EXTERIOR, SHEATHING, & STUCCO TO MATCH EXISTING.
5. REMOVE STAIRS AND ALL ASSOCIATED MATERIALS.
6. REMOVE STORM SHUTTERS AND RAILING AS NEEDED.
7. REMOVE STUCCO FROM AROUND THE COLUMNS.
8. INSTALL NEW WINDOW AND STUCCO TO MATCH EXISTING.

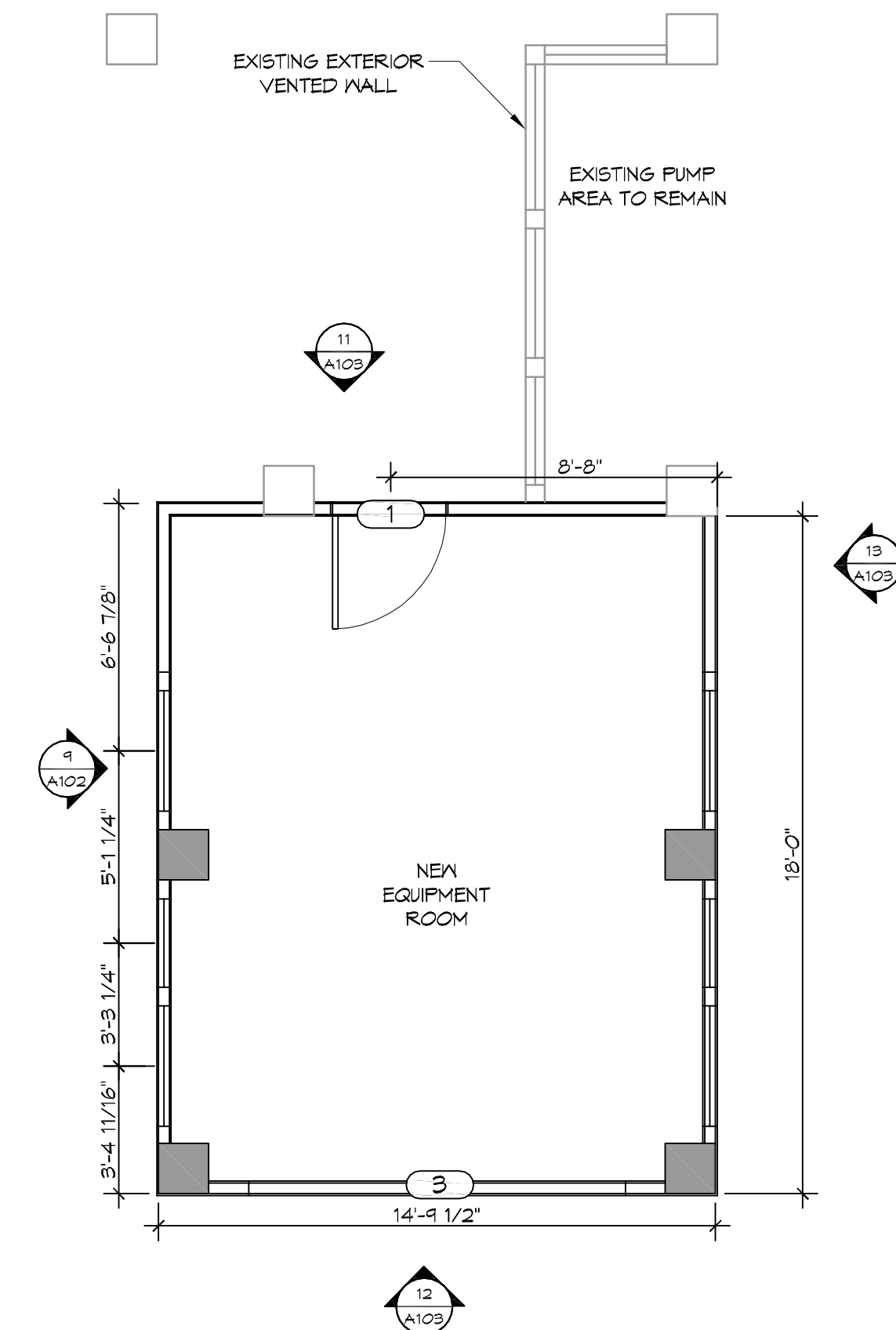
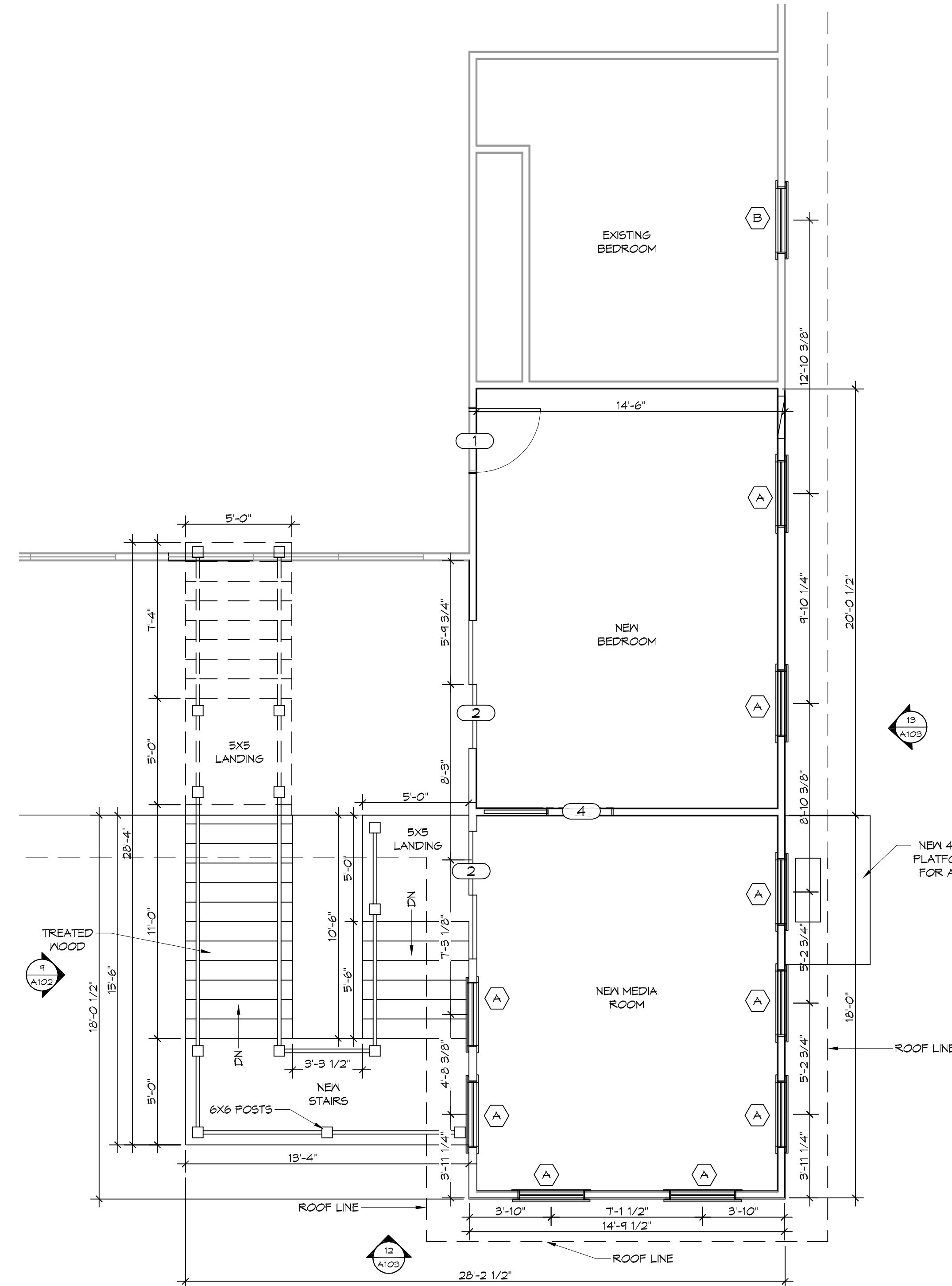
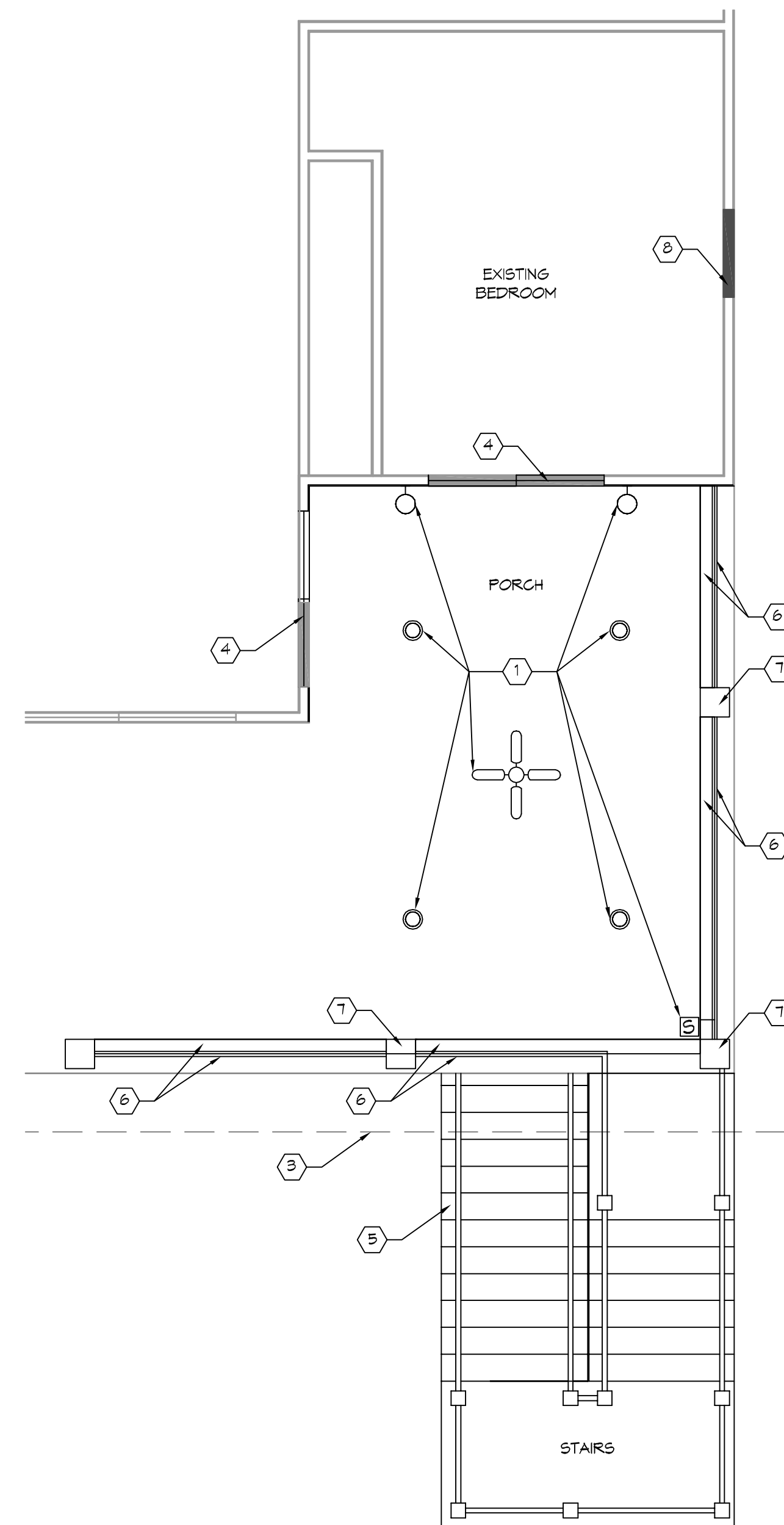
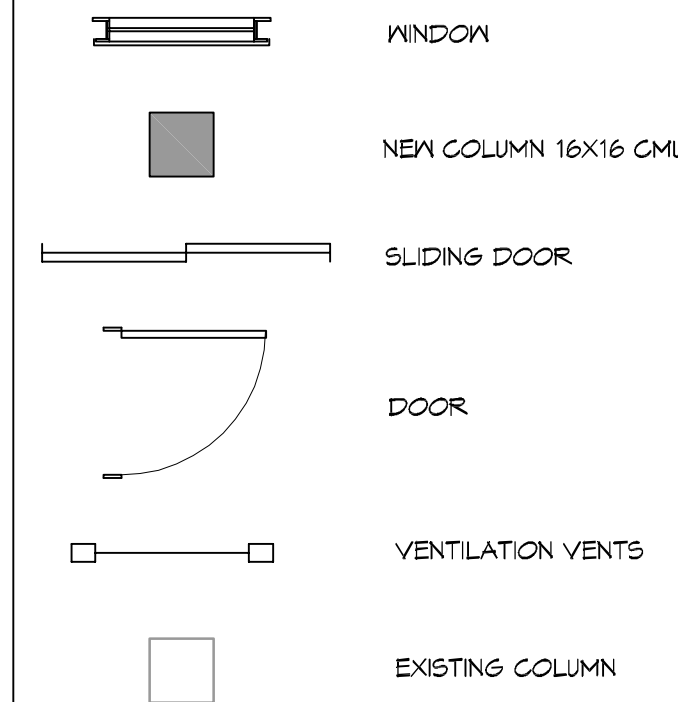
**DEMO LEGEND**



DOOR SCHEDULE		
NUMBER	SIZE	NOTE
1	3'-0"X6'-8"	NEW HOLLOW METAL DOOR
2	6'-0"X6'-10"	RELOCATED SLIDING GLASS DOORS
3	10'-0"X10'-0"	NEW ROLL-UP DOOR
4	3'-0"X6'-8"	NEW POCKET DOOR

WINDOW SCHEDULE		
LETTER	SIZE	NOTE
A	3'-0"X6'-0"	ALL WINDOW GLASS TO BE DOUBLE INSULATED GLASS TO MATCH EXISTING
B	2'-0"X3'-8"	ALL WINDOW GLASS TO BE DOUBLE INSULATED GLASS TO MATCH EXISTING
C	VARIABLES	EXISTING VENTILATION VENTS TO BE RELOCATED

**NEW ADDITION LEGEND**



**6 SECOND LEVEL DEMO PLAN**  
SCALE: 1/4" = 1'-0"

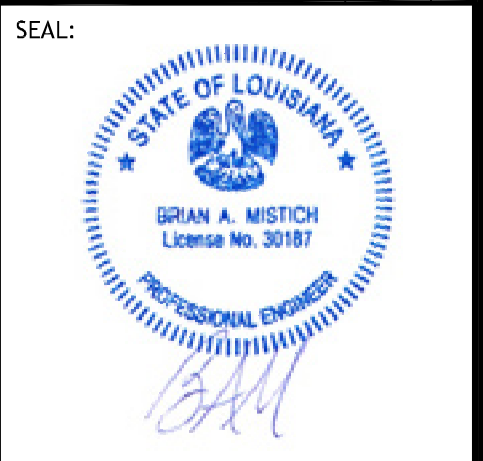
**7 SECOND LEVEL**  
ARCHITURAL  
SCALE: 1/4" = 1'-0"

**8 FIRST LEVEL**  
ARCHITURAL  
SCALE: 1/4" = 1'-0"

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REVISIONS	DATE	DESCRIPTION
#		



**N O R T H  
E A R N  
H I G H  
J U G I  
S**

206 MARLIN DRIVE  
SLIDELL, LOUISIANA  
JOB No: 2018 DATE: 10-19-2018  
DRAWN BY: JAGMKL CHECKED BY: CKD

SHEET TITLE:  
**FLOOR PLAN**

DRAWING NUMBER:  
**A101**

SHEET No: 4 of 7





