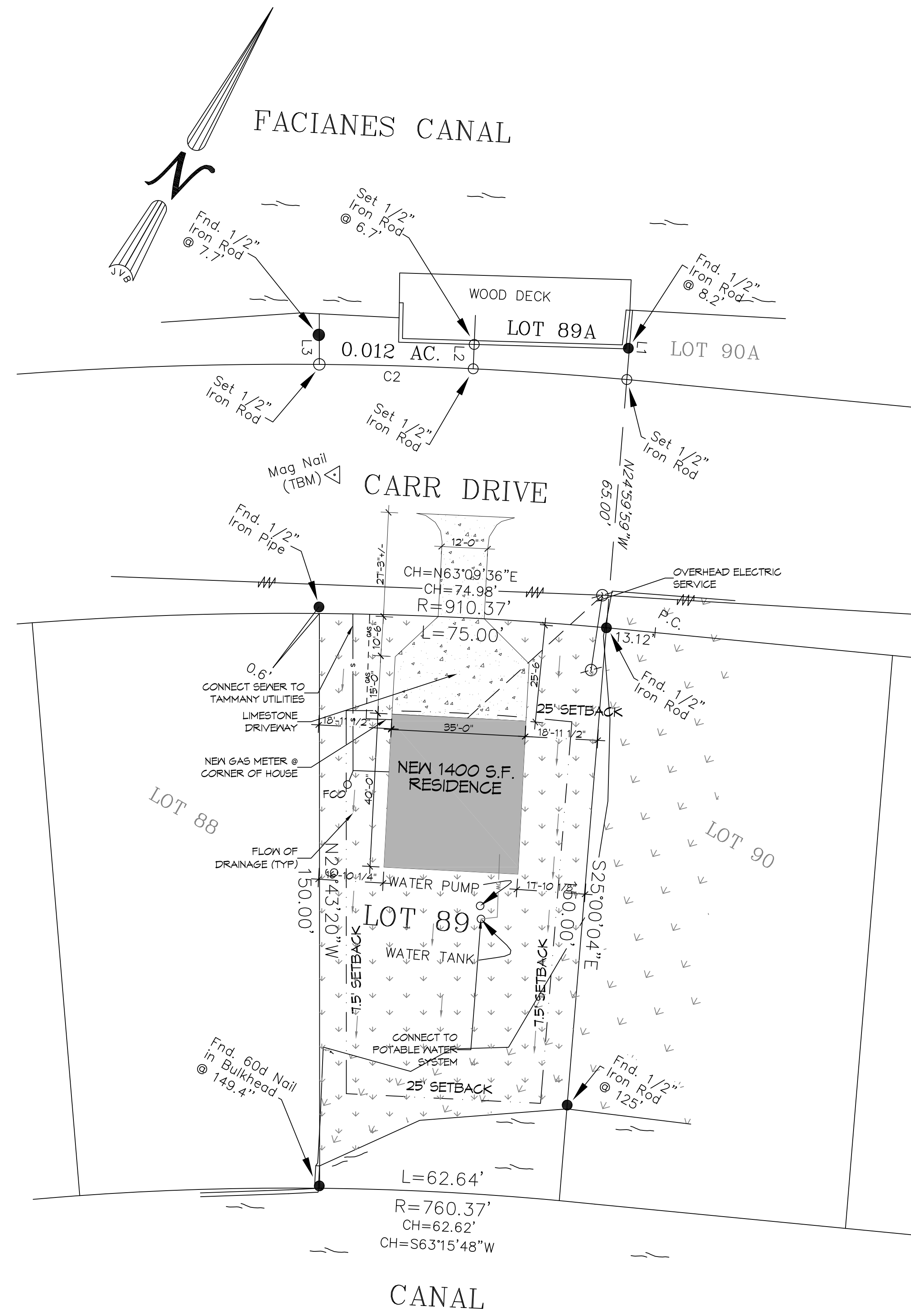






FILE NAME: J:\PROJECTS\10-11-2010\10-11-2010\10-11-2010.dwg PLOT DATE: Thursday, October 11, 2010 10:31:28 AM



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

<b>SURVEY LEGAL</b>
SURVEY OF LOTS 89 & 90A NORTH SHORE BEACH, ADDITION 1, PHASE 2 ST. TAMMANY PARISH LOUISIANA
<b>SITE SETBACKS</b>
FRONT & REAR SET BACK = 25'-0" EACH SIDE = 7'-6"

**DAMMON ENGINEERING, INC.**  
LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Mistich, PE  
 554 Old Spanish Trail  
 Slidell, LA 70458  
 www.dammonengineering.com  
 info@dammonengineering.com  
 PH: 985.649.5832

#	DESCRIPTION	DATE

SEAL:

**NEW RESIDENCE**

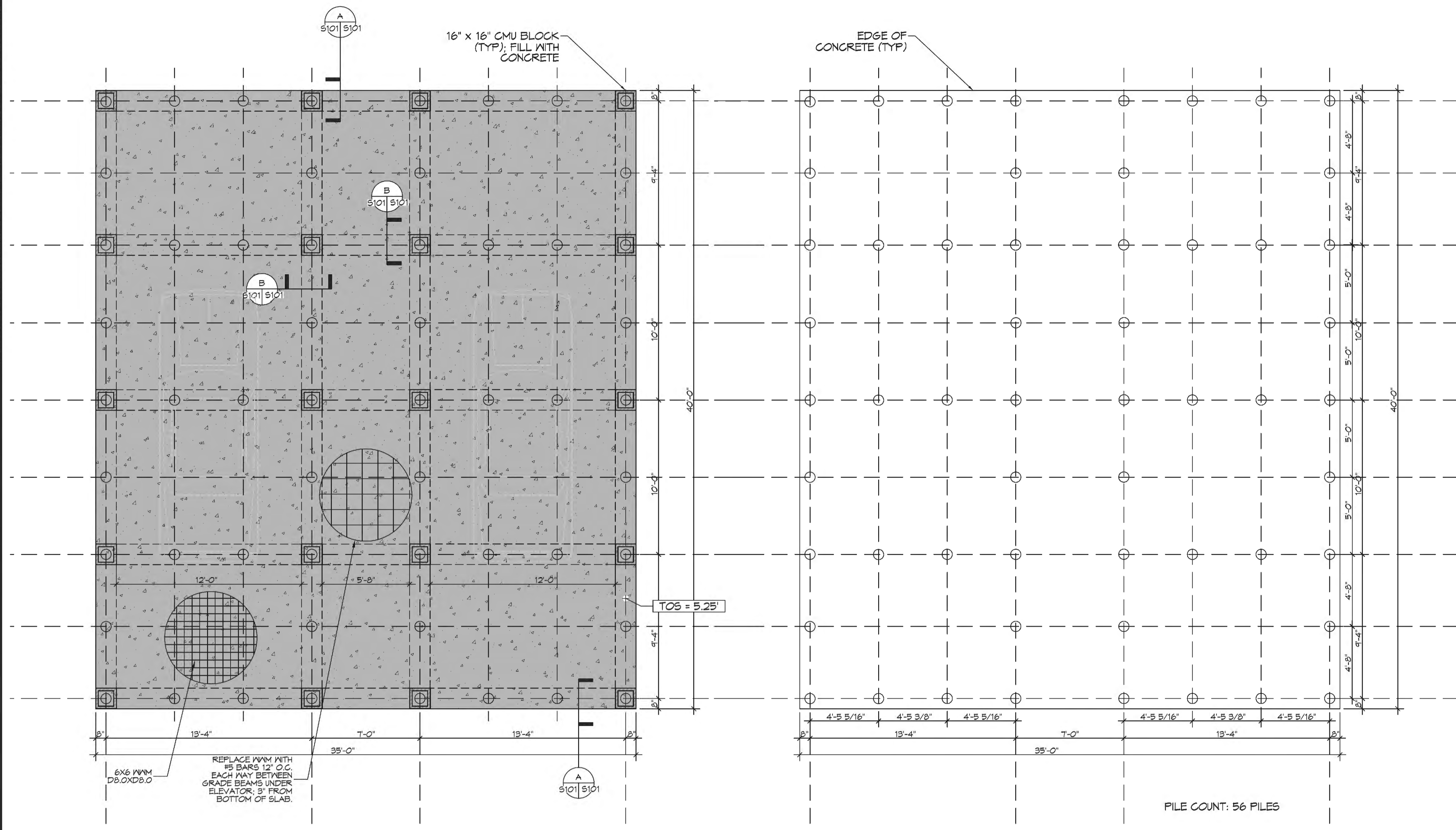
VICKY MASUS  
 247 CARRIERS  
 SLIDELL, LA 70458  
 JOB No: 10-11-2010  
 DATE: 10-11-2010  
 DRAWN BY: CKD  
 CHECKED BY: CKD

SHEET TITLE:  
SITE PLAN

DRAWING NUMBER:  
**C101**

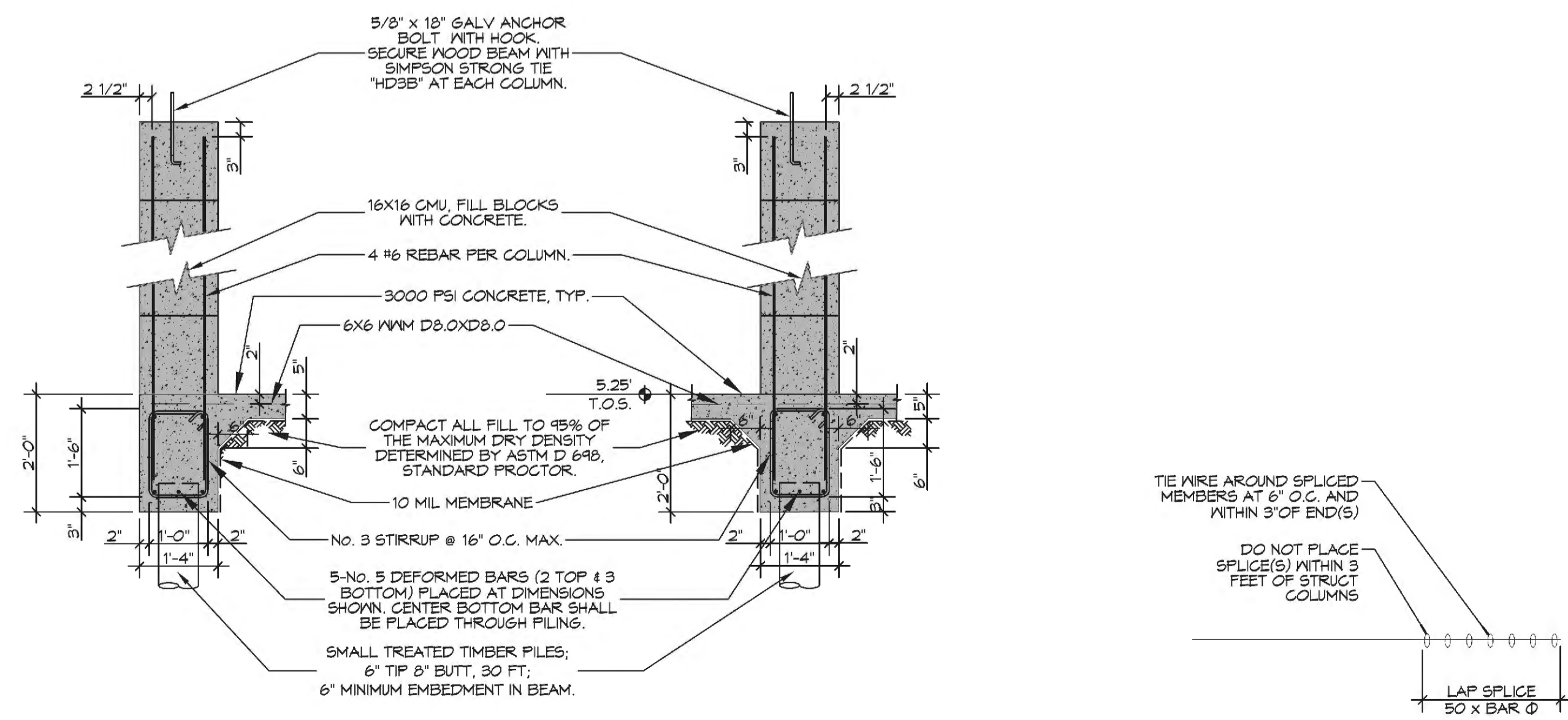
SHEET No: 3 of 11

THE NAME, ADDRESS AND PHONE NUMBER OF THE ENGINEER OR ARCHITECT SHALL BE SHOWN IN THE TITLE BLOCK. THE DATE OF THE DRAWING SHALL BE SHOWN IN THE TITLE BLOCK. THE DRAWING SHALL BE SIGNED BY THE ENGINEER OR ARCHITECT. THE DRAWING SHALL BE SIGNED BY THE ENGINEER OR ARCHITECT.



**1 FOUNDATION PLAN**  
 SCALE: 1/4" = 1'-0"

**2 PILING PLAN**  
 SCALE: 1/4" = 1'-0"



**A SECTION**  
 SCALE: 1/2" = 1'-0"

**B SECTION**  
 SCALE: 1/2" = 1'-0"

**GENERAL SITEPREP NOTES**

- REMOVE EXISTING NEAR SURFACE TOPSOIL WITH ORGANICS AND OTHER DELETERIOUS MATERIALS, APPROXIMATELY 8 TO 10 INCHES.
- NEW STRUCTURAL FILL SHALL BE SELECT, NONORGANIC AND DEBRIS-FREE SILTY CLAYS (CL) THAT HAVE A PLASTICITY INDEX (PI) WITHIN THE RANGE OF 10 TO 24 AND A LIQUID LIMIT (LL) LESS THAN 45. NEW FILL SHALL BE PLACED IN MAXIMUM LIFTS OF EIGHT (8) INCHES OF LOOSE MATERIAL, COMPACTED WITHIN THE RANGE OF ONE (1) PERCENTAGE POINT BELOW TO THREE (3) PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE. IF WATER MUST BE ADDED, IT SHALL BE UNIFORMLY APPLIED AND THOROUGHLY MIXED INTO THE SOIL BY DISKING OR SCARIFYING. IN-PLACE DENSITY MEASUREMENTS SHALL BE TAKEN AND RECORDED TO ASSURE THAT THE ABOVE DEGREE OF COMPACTION IS ACHIEVED. THE COMPACTED STRUCTURAL FILL SHALL EXTEND THREE (3) FEET BEYOND THE PERIMETER OF THE FOUNDATION PRIOR TO SLOPING.
- ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
- ALL TREES WITHIN CLOSE PROXIMITY SHALL BE REMOVED TO PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.
- PROVIDE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING, AND AFTER CONSTRUCTION. PROVIDE GRADING, SWELLS, AND SUMP PUMPS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAINWATER FROM THE CONSTRUCTION AREA. FOOTING EXCAVATIONS SHOULD BE OBSERVED AND CONCRETE PLACED AS QUICKLY AS POSSIBLE TO AVOID EXPOSURE OF THE FOOTING BOTTOMS TO WETTING AND DRYING. SURFACE RUNOFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND PRIOR OR AFTER CONCRETE PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATIONS BE LEFT OPEN FOR MORE THAN ONE DAY, THEY SHOULD BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF MOISTURE.

**FOUNDATION NOTES**

- ALL DIMENSIONS ARE EDGE OF CONCRETE (EOC) TO EDGE OF CONCRETE (EOC) OR CENTER OF GRADE BEAM TO CENTER OF GRADE BEAM UNLESS NOTED OTHERWISE.
- VERIFY ALL PLUMBING ROUGH-IN LOCATIONS ON DWGS.
- CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
- ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
- ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE MINIMUM 10 MIL THICKNESS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
- ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
- THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK LEDGES, DIMENSIONS AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
- GRADE BEAM DIMENSIONS MAY VARY BY -5%, +20%.
- ALL SOIL BELOW SLAB SHALL RECEIVE TERMITE TREATMENT.
- PROVIDE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING AND AFTER CONSTRUCTION. PROVIDE GRADING, SWALES AND SUMP PUMPS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAIN WATER FROM THE CONSTRUCTION AREA. GOOD SURFACE DRAINAGE WITH POSITIVE COLLECTION AND RUNOFF AND SLOPES AWAY FROM THE CENTER OF THE BUILDING SHOULD BE ASSURED. AFTER PILES HAVE BEEN DRIVEN, PROVIDE A 6" HIGH POINT IN THE CENTER OF THE FOUNDATION SLOPING TO THE EDGE OF THE BUILDING. SUITABLE FILL SHALL BE FREE OF TRASH, LUMPS, HUMUS, PIECES OF WOOD OR ANY OTHER DELETERIOUS MATERIAL.

**PILING NOTES**

- ALL PILES SHALL BE PRESSURE-TREATED ROUND TIMBER PILES CONFORMING TO ASTM D25.
- PILES SHALL BE CLASS 5 TIMBER PILES WITH A LENGTH OF 30 FEET, HAVE A 6" TIP AND 8" MINIMUM BUTT DIAMETER.
- PILE CAPACITY SHALL BE MINIMUM OF 5 TONS EACH PILE, DRIVEN TO 30 FT. BELOW NATURAL GRADE OR REFUSAL. PRE DRILLING MAY BE REQUIRED. IF PRE-DRILLING IS PERFORMED, PRE-DRILL TO A MAXIMUM DEPTH OF 15 FT. USING A WET ROTARY DRILL WITH A BIT NO LARGER THAN 6 INCHES.
- NO FIELD SUPERVISION OR INSPECTION PROVIDED UNDER THIS SEAL UNLESS OTHERWISE NOTED.
- PILE LAYOUT MAY BE MODIFIED DUE TO ACTUAL DRIVING CONDITIONS. ENGINEER TO BE NOTIFIED ON ANY MODIFICATION.
- A FILE BLOW COUNT LOG OF ALL PILES IS TO BE SUBMITTED TO THE ENGINEER OF RECORD. FAILURE TO SUBMIT SAID LOG WILL RELEASE THE ENGINEER OF ALL RESPONSIBILITY.
- USE DROP HAMMER OR SINGLE ACTING AIR HAMMER DELIVERING 1,500 FT-LBS OF ENERGY PER BLOW, RAM WEIGHT OF DROP HAMMER SHALL NOT EXCEED 2,500 TO 3,000 LBS AND THE DROP SHOULD NOT EXCEED 3 FT., AT MINIMUM OF 25 BLOWS PER FOOT. IF THE DROP EXCEEDS 3 FT., CONTACT ENGINEER FOR INSTRUCTIONS.

**DAMMON ENGINEERING, INC.**  
 LOUISIANA & MISSISSIPPI  
 www.dammonengineering.com  
 info@dammonengineering.com  
 PH: 985.649.9852  
 Chief Engineer: Brian Mistich, PE  
 552 Old Spanish Trail  
 Slidell, LA 70458

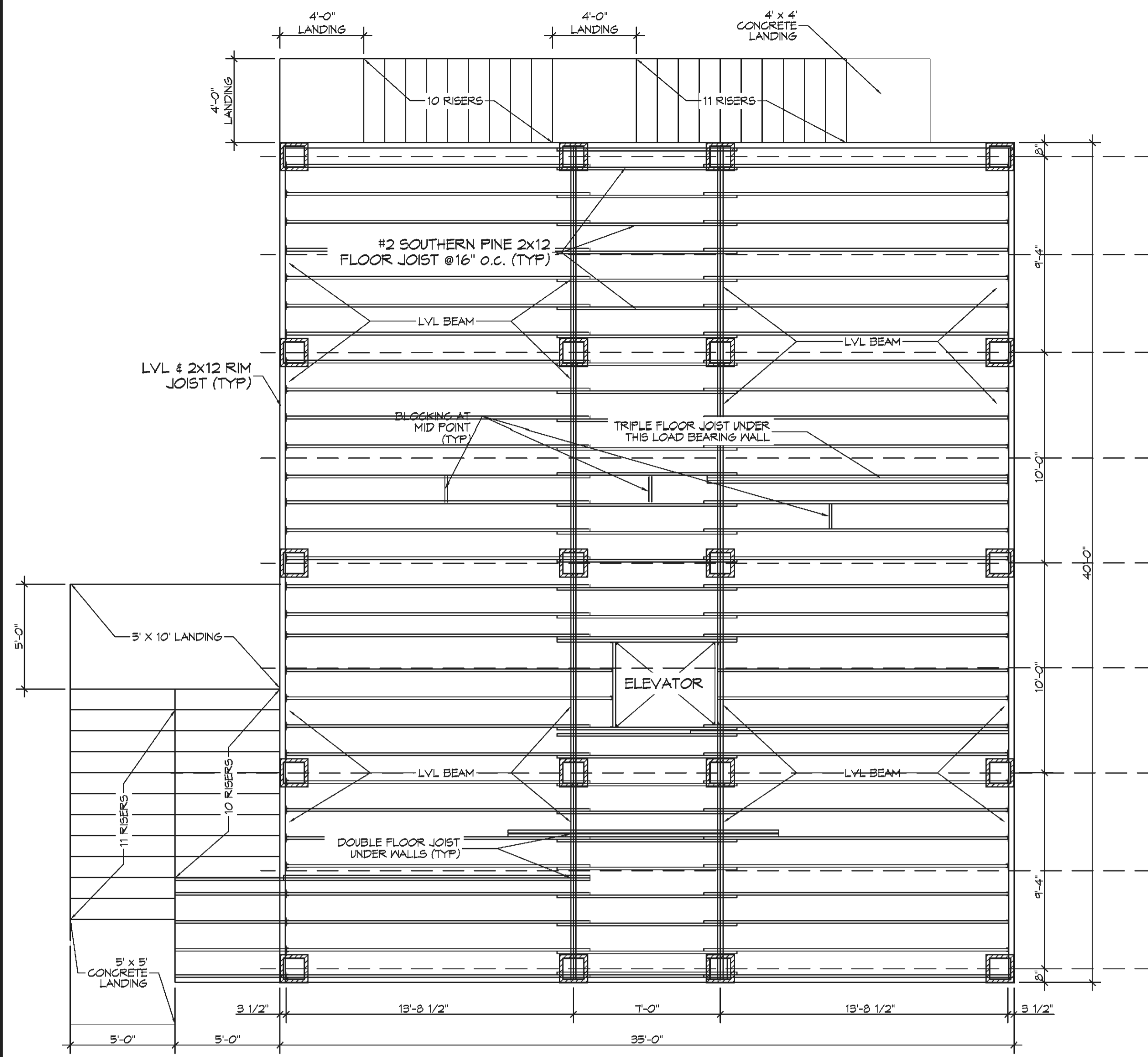
REVISIONS	DATE	DESCRIPTION
#	DATE	DESCRIPTION
1	8/31/2018	ADDED REBAR UNDER ELEVATOR

SEAL:

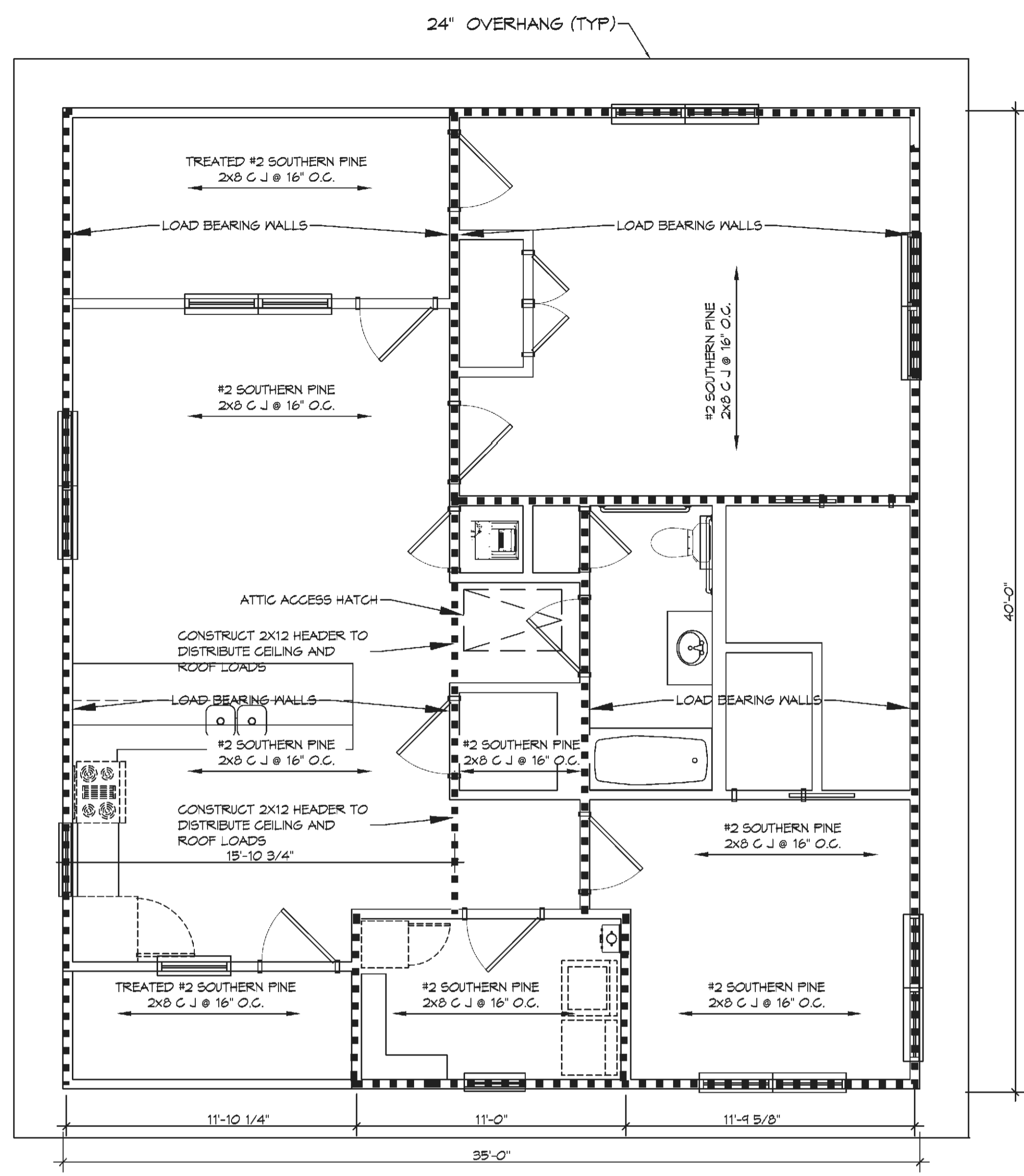
**NEW RESIDENCE**  
 SHEET TITLE:  
 FOUNDATION & PILING PLANS  
 DRAWING NUMBER:  
**S101**  
 SHEET No: 4 of 11

VICKY MAGAS  
 261 CARR DR.  
 SLIDELL, LA 70458  
 JOB No: 10-4-2018  
 DATE: 10-4-2018  
 DRAWN BY: EAM  
 CHECKED BY: CAG

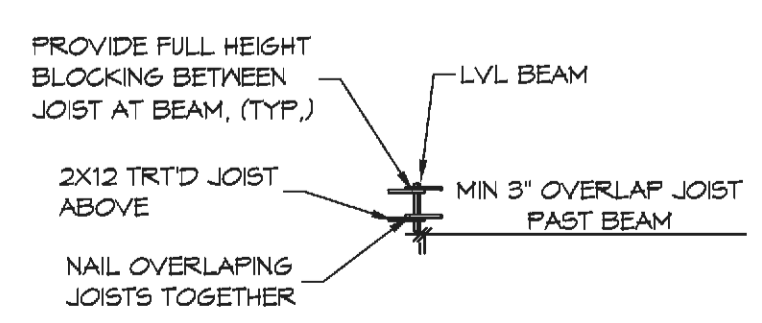
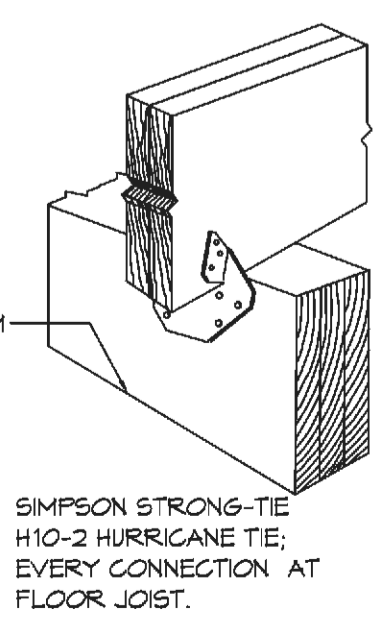
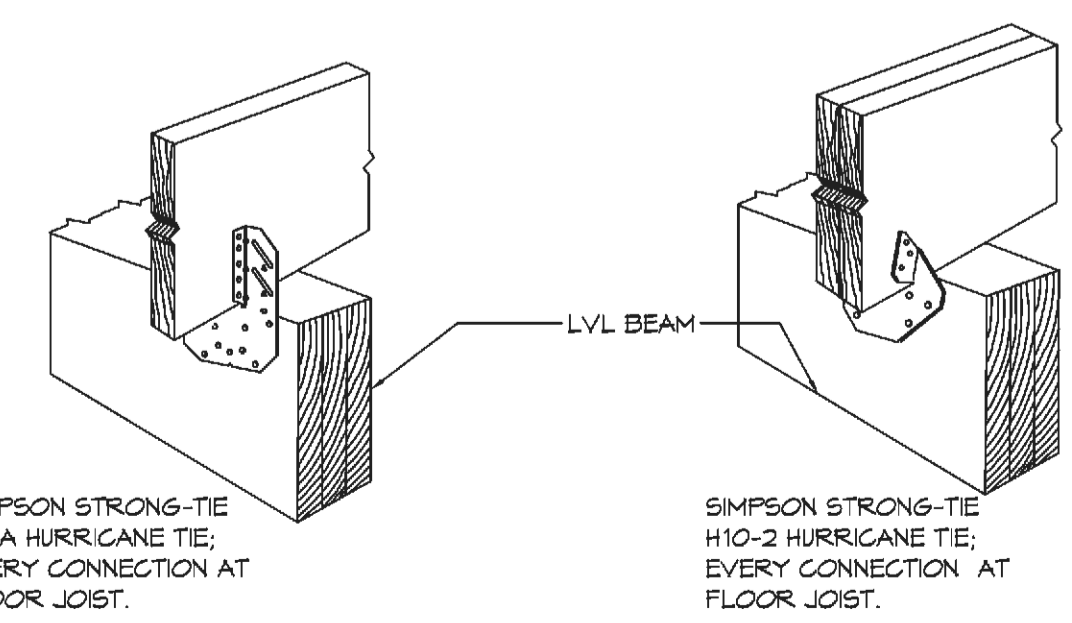
FILE NAME: \\N:\RESIDENCE\WMS\WMS201.dwg DATE PLOTTED: 10/4/2018 10:45:32 AM PLOT DATE & TIME: Thursday, October 4, 2018 10:45:32 AM



**1 FLOOR FRAMING PLAN**  
SCALE: 1/4" = 1'-0"



**2 CEILING FRAMING PLAN**  
SCALE: 1/4" = 1'-0" ALL CEILINGS 8'FT



**A DETAIL**  
SCALE: N.T.S. FLOOR JOIST

**B DETAIL**  
SCALE: N.T.S. DBL FLOOR JOIST

**C DETAIL**  
SCALE: N.T.S. BEAM

**DAMMON ENGINEERING, INC.**  
LOUISIANA & MISSISSIPPI  
www.dammonengineering.com  
info@dammonengineering.com  
PH: 985.649.9852  
Chief Engineer: Brian Mistic, PE  
524 Old Spanish Trail  
Stellie, LA 70458

#	DESCRIPTION	REVISIONS	DATE

SEAL:  
STATE OF LOUISIANA  
BRIAN A. MISTIC  
License No. 35187  
10/4/2018  
Professional Engineer  
*BAM*

NEW RESIDENCE  
VICKY MAGAS  
261 CARE DR.  
SLIDELL, LA 70458  
JOB No: 10-4-2018  
DATE: 10-4-2018  
DRAWN BY: EAM  
CHECKED BY: C&D

SHEET TITLE:  
FLOOR & CEILING FRAMING PLANS

DRAWING NUMBER:  
**S201**  
SHEET No: 5 of 11

### TABLE S601.7 - 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 (SINGLE CENTER BEARING WALL)	(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"
	(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'-9-10"	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'-4"	13'-3"	9'-4"	7'-8"
	(4) 2x12	11'-0"	8'-7"	7'-4"	15'-7"	11'-0"	9'-0"

### TABLE S601.8 - 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'-4"	6'-4"	5'-11"	5'-7"	5'-2"
(3) 2x10	9'-0"	8'-4"	7'-9"	7'-3"	6'-4"	6'-0"	5'-7"	5'-2"
(3) 2x12	9'-7"	8'-11"	8'-3"	7'-8"	6'-10"	6'-5"	5'-11"	5'-2"
(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 S601.9 - 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 SPACINGS (INCHES)	
		8' END ZONES	INTERIOR ZONES
UPLIFT LOADS	1 - 3 STORIES	50 INCHES ON CENTER	58 INCHES ON CENTER

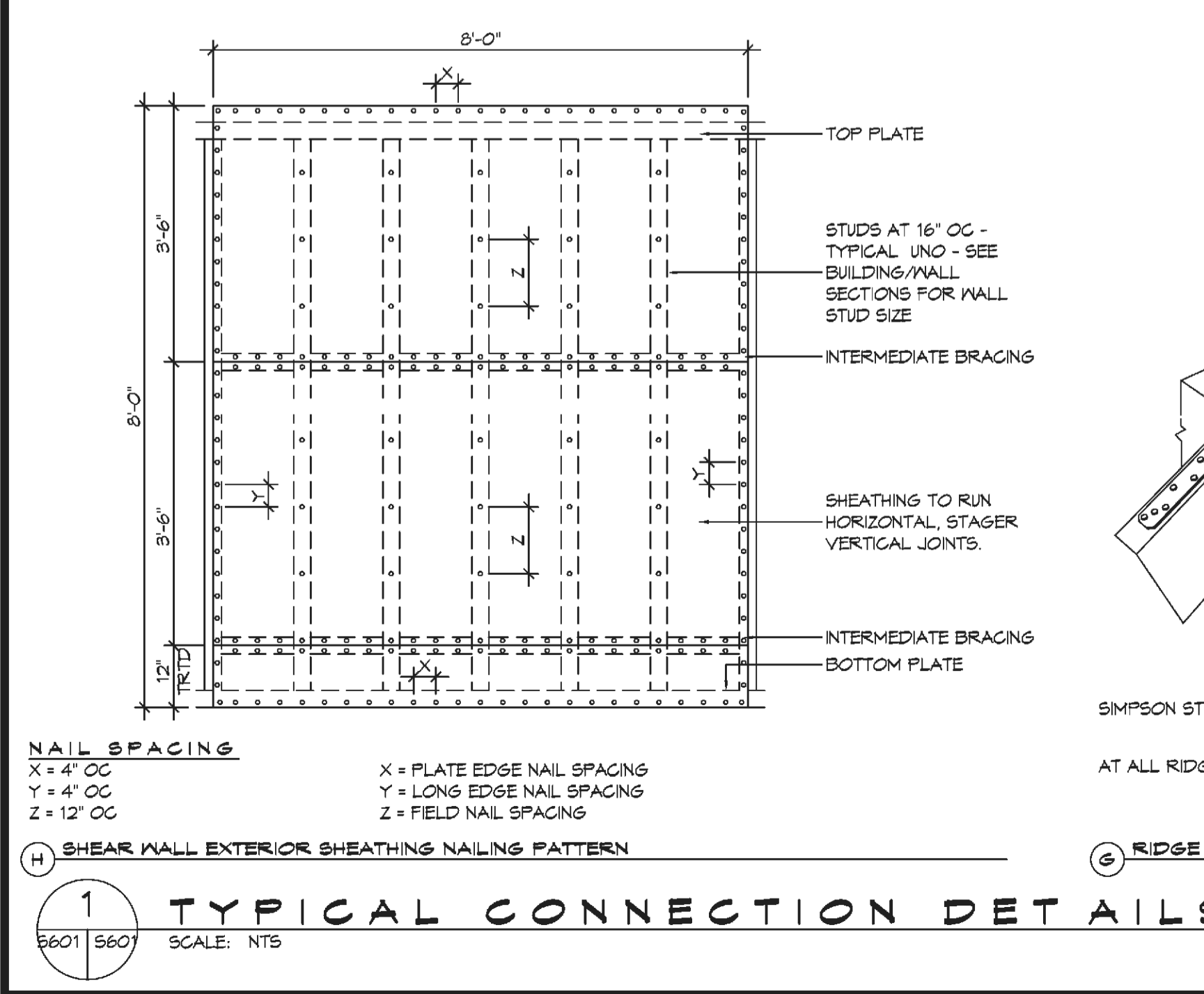
NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE

### TABLE S601.10 - 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 SPACINGS (INCHES)	
		1/2" Ø ANCHOR BOLTS	5/8" Ø ANCHOR BOLTS
UPLIFT LOADS	1 STORY	31 INCHES ON CENTER	48 INCHES ON CENTER

### TABLE S601.11 - 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	1
6	3	3	2
8	4	3	2
10	5	4	3
12	6	5	3
14	7	6	4
16	8	6	4



H SHEAR WALL EXTERIOR SHEATHING NAILING PATTERN  
 X = 4" OC  
 Y = 4" OC  
 Z = 12" OC  
 X = PLATE EDGE NAIL SPACING  
 Y = LONG EDGE NAIL SPACING  
 Z = FIELD NAIL SPACING  
 SCALE: NTS

### TABLE S601.5 - JACK STUD REQ - INT LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)												
		12 FEET				24 FEET				36 FEET				
		HEADER WIDTH												
		3'	4.5'	5'	6'	3'	4.5'	5'	6'	3'	4.5'	5'	6'	
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	
	14	2	1	1	1	3	2	2	2	4	3	3	2	
	16	2	1	1	1	3	2	2	2	4	3	3	2	
	TWO FLOORS (CENTER BEARING)	2	1	1	1	1	1	1	1	1	1	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	2	2
		8	2	2	1	1	3	2	2	2	5	3	3	3
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	
14		3	2	2	2	6	4	4	3	8	5	5	4	
16		4	3	2	2	6	4	4	3	9	6	6	5	

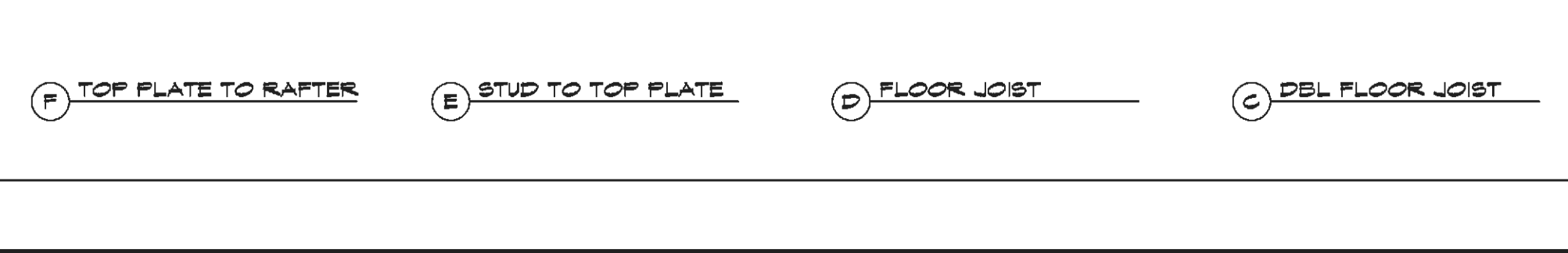
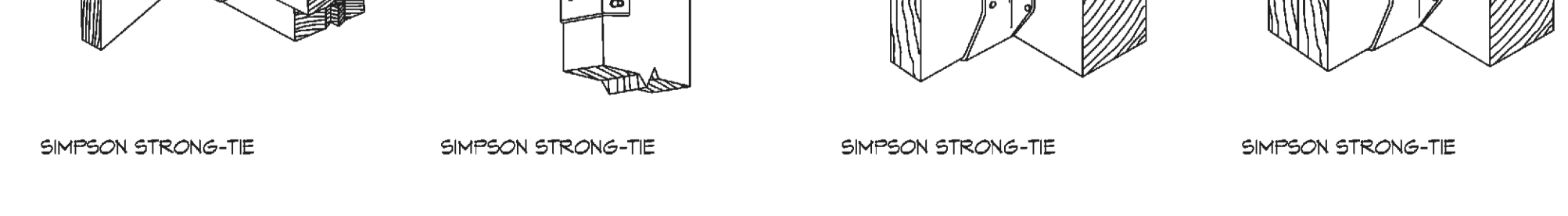
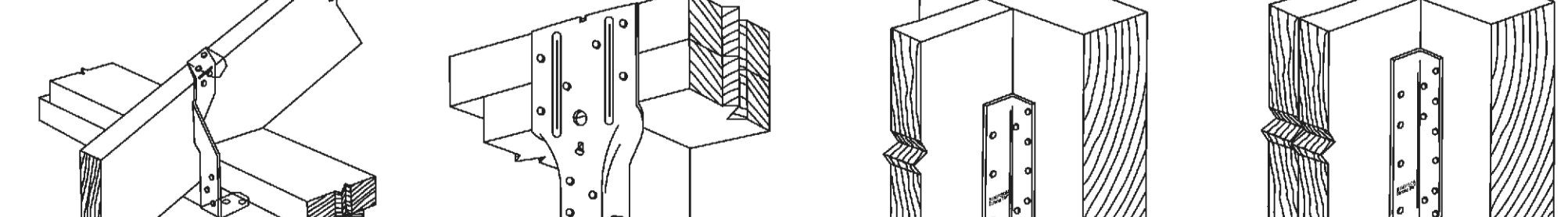
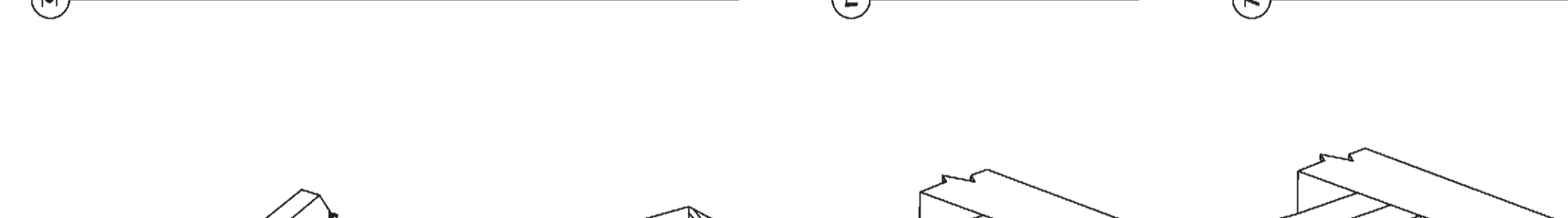
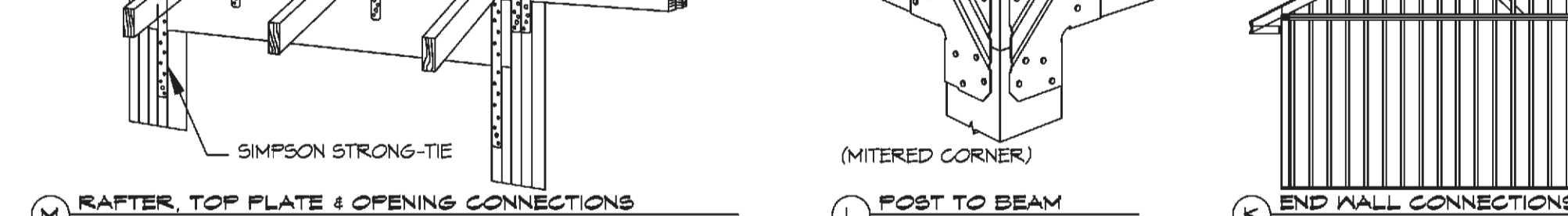
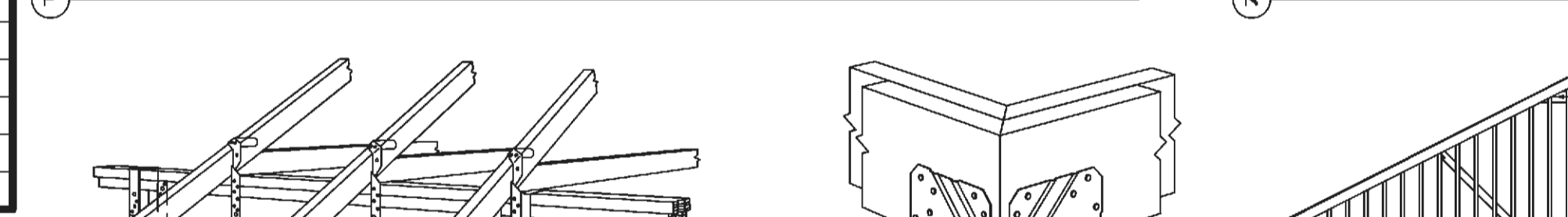
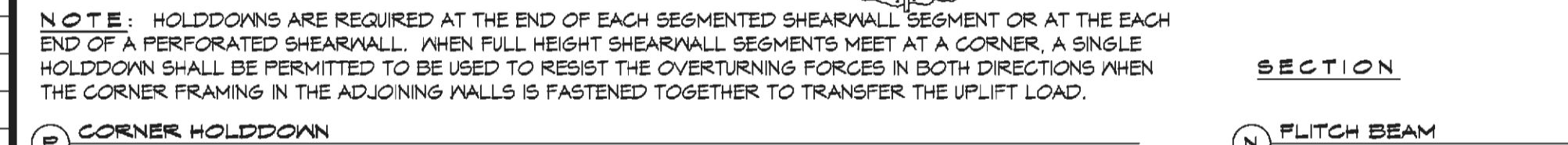
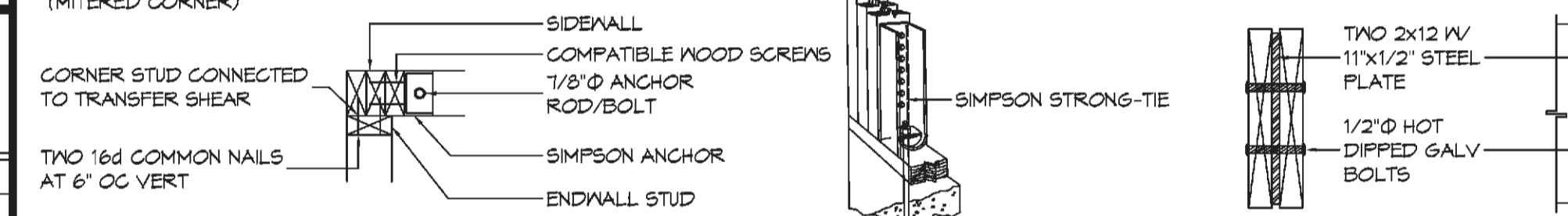
HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6" (4-2x) EACH W/ 1/2" PLYWOOD SPACER BETWEEN

### TABLE S601.6 - 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'	
		NUMBER OF JACK STUDS REQUIRED								
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	
	14	4	3	2	2	4	3	2	2	
	16	4	3	3	2	4	3	3	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	2	2	4	3	3	2	
12		4	3	3	2	5	3	3	3	
14		5	4	3	3	5	4	3	3	
16		6	4	4	3	6	4	4	3	

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

(MITERED CORNER)  
 CORNER STUD CONNECTED TO TRANSFER SHEAR  
 TWO 16d COMMON NAILS AT 6" OC VERT  
 SIDEWALL  
 COMPATIBLE WOOD SCREWS  
 7/8" Ø ANCHOR ROD/BOLT  
 SIMPSON STRONG-TIE  
 SIMPSON ANCHOR  
 ENDWALL STUD



I RIDGE BEAM/BOARD  
 J SIMPSON MBTAMB6  
 K END WALL CONNECTIONS  
 L POST TO BEAM  
 M RAFTER, TOP PLATE & OPENING CONNECTIONS  
 N FLITCH BEAM  
 O MITERED CORNER  
 P CORNER HOLDDOWN

### TABLE S601.3 - 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 S601.1
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 S601.4 - BUILDING ENVELOPE REQUIREMENTS

ROOFS	OPAQUE ELEMENTS	ASSEMBLY MAXIMUM	INSULATION MIN R-VALUE
ROOFS	INSULATION ENTIRELY ABOVE DECK	U-0.048	R-20.0 c.i.
	METAL BUILDING	U-0.065	R-19
	ATTIC AND OTHER	U-0.021	R-38
WALLS, ABOVE GRADE	MASS	U-0.151 @	R-5.7 c.i. @
	METAL BUILDING	U-0.113	R-13.0
	STEEL-FRAMED	U-0.124	R-13.0
FLOORS	WOOD-FRAMED AND OTHER	U-0.084	R-13.0
	MASS	U-0.107	R6-3 c.i.
	STEEL JOIST	U-0.032	R-19.0
SLAB-ON-GRADE	UN-HEATED	F-0.730	NR
	OPAQUE DOORS	NON-SWINGING	U-1.430

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

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 PLATE AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.10.

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 S601.11.

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 93 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 7 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 G195 OR Z450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.12.

### TABLE S601.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - 110 MPH WIND LOAD EXP "C"

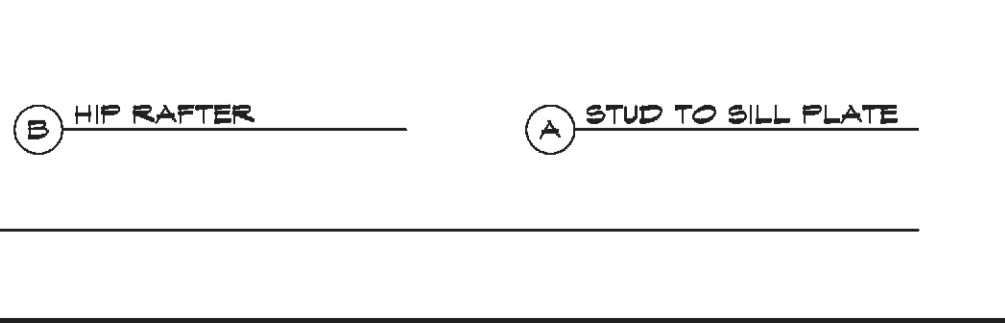
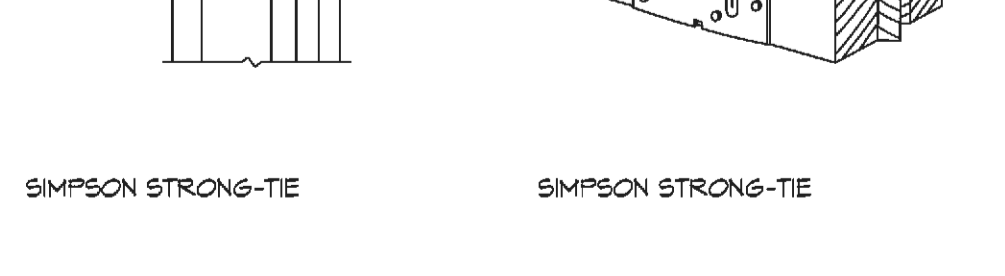
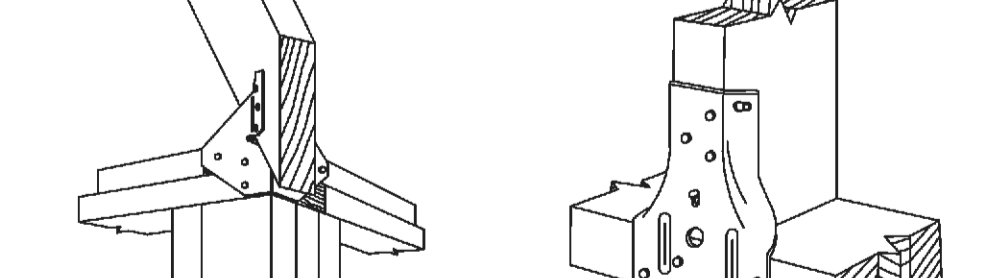
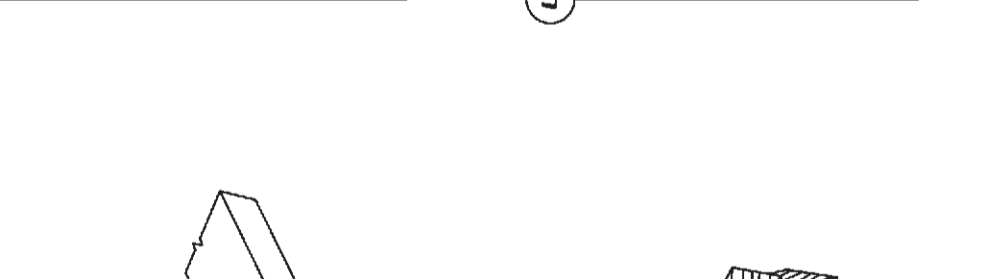
SHEATHING LOCATION	RAFTER / TRUSS SPACING	E F	
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	6

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 S601.2 - 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



A STUD TO SILL PLATE  
 B HIP RAFTER  
 C DBL FLOOR JOIST  
 D FLOOR JOIST  
 E STUD TO TOP PLATE

### 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 1/4 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING FROM THE EAVE, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36 INCH WIDE SHEETS OF UNDERLAYMENT, 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, 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 PLATE AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.10.

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 S601.11.

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 93 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 7 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 G195 OR Z450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.12.

STATE OF LOUISIANA  
 BRIAN A. MISTICH  
 License No. 30787  
 10/4/2018  
 PROFESSIONAL ENGINEER

DATE: 10-4-2018  
 CHECKED BY: GCD  
 DRAWN BY: PDK/LS

NEW RESIDENCE  
 VICKEY MARGIS  
 260 GARR DR  
 SLIDELL, LA 70459

JOB No: 10-4-2018  
 DRAWING NUMBER: S601

SHEET TITLE:  
 TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES

DRAWING

FINISH SCHEDULE						
ROOM NAME	ROOM NO	FLOOR	BASE	WALL	CEILING	REMARKS
COVERED PORCH	100	TRTD 5/4x6 DECKING	--	CEMENTITIOUS SIDING	1/2" TRTD PLYWOOD	
KITCHEN	101	VINYL PLANK	3 3/8" WOOD	1/2" GNB	1/2" GNB	
LIVING ROOM	102	VINYL PLANK	3 3/8" WOOD	1/2" GNB	1/2" GNB	
PANTRY	103	VINYL PLANK	3 3/8" WOOD	1/2" GNB	1/2" GNB	SHELVING
BEDROOM #2	104	VINYL PLANK	3 3/8" WOOD	1/2" GNB	1/2" GNB	
ELEVATOR CLOSET	105	--	--	1/2" MOISTURE RESISTANT GNB	1/2" MOISTURE RESISTANT GNB	
BATHROOM	106	VINYL PLANK	3 3/8" WOOD	1/2" MOISTURE RESISTANT GNB	1/2" MOISTURE RESISTANT GNB	
CLOSET	107	VINYL PLANK	3 3/8" WOOD	1/2" GNB	1/2" GNB	
MASTER CLOSET	108	VINYL PLANK	3 3/8" WOOD	1/2" GNB	1/2" GNB	
HYAC CLOSET	109	--	--	1/2" MOISTURE RESISTANT GNB	1/2" MOISTURE RESISTANT GNB	
BATH CLOSET	110	VINYL PLANK	3 3/8" WOOD	1/2" MOISTURE RESISTANT GNB	1/2" MOISTURE RESISTANT GNB	
CLOSET	111	VINYL PLANK	3 3/8" WOOD	1/2" GNB	1/2" GNB	
MASTER BEDROOM	112	VINYL PLANK	3 3/8" WOOD	1/2" MOISTURE RESISTANT GNB	1/2" MOISTURE RESISTANT GNB	
COVERED SCREENED PORCH	113	TRTD 5/4x6 DECKING	--	CEMENTITIOUS SIDING	1/2" TRTD PLYWOOD	

WINDBORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR WOOD STRUCTURAL PANELS			
FASTENER TYPE	FASTENER SPACING		
	PANEL SPAN ≤ 4 FOOT	4 FOOT PANEL SPAN ≤ 6 FOOT	6 FOOT PANEL SPAN ≤ 8 FOOT
2-1/2" #6 WOOD SCREWS	16"	12"	9"
2-1/2" #8 WOOD SCREWS	16"	16"	12"

WINDOWS IN BUILDINGS LOCATED IN WIND BORNE DEBRIS REGIONS SHALL HAVE GLAZED OPENINGS PROTECTED FROM WINDBORNE DEBRIS. WOOD STRUCTURAL PANELS WITH A MIN. THICKNESS OF 1/16" AND A MAX. SPAN OF 8 FEET SHALL BE PERMITTED FOR OPENING PROTECTION IN ONE AND TWO STORY BUILDINGS. PANELS SHALL BE PRECUT TO COVER THE GLAZED OPENINGS WITH ATTACHMENT HARDWARE PROVIDED.

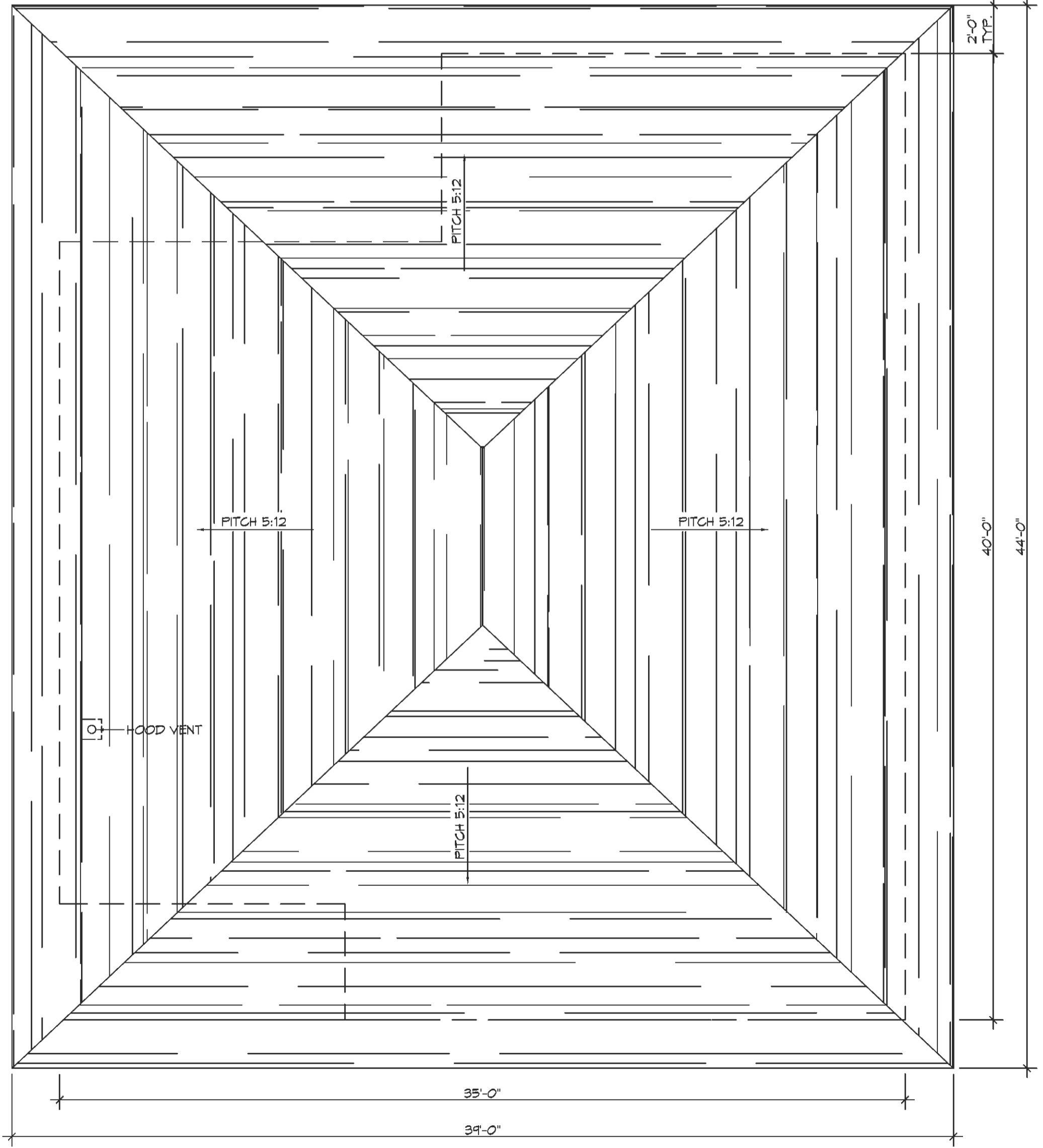
DOOR & HARDWARE SCHEDULE												
NO.	SIZE	TYPE		FRAME		HINGE		LOCK		REMARKS		
		SOLID CORE WOOD	HOLLOW WOOD	HOLLOW METAL	ALUMINUM	WOOD	THRESHOLD & WEATHER STRIP	POCKET DOOR	PASSAGE	PRIVACY	DEADBOLT	KEYED HANDLE
101	5/0x6/8	●				●	●				●	●
102	3/0x6/8	●				●	●				●	●
103	3/0x6/8	●				●	●				●	●
104	3/0x6/8	●				●	●				●	●
105	(2) 2/0x6/8	●				●	●				●	●
106	2/4x6/8	●				●	●				●	●
107	2/8x6/8	●				●	●				●	●

WINDOW SCHEDULE				
MK	SIZE	FRAME	TYPE	REMARKS
A	3/0 W x 5/6 H	ALUM	SLIDER	TINTED / TEMPERED/DOUBLE INSULATED, MUST MEET EMERGENCY EGRESS REQUIREMENTS WITH MINIMUM OF 5.7 SQ. FT. OF NET CLEAR OPENING.
B	3/0 W x 4/0 H	ALUM	SLIDER	TINTED / TEMPERED/DOUBLE INSULATED
C	2/6 W x 4/0 H	ALUM	FIXED	TINTED / TEMPERED/DOUBLE INSULATED

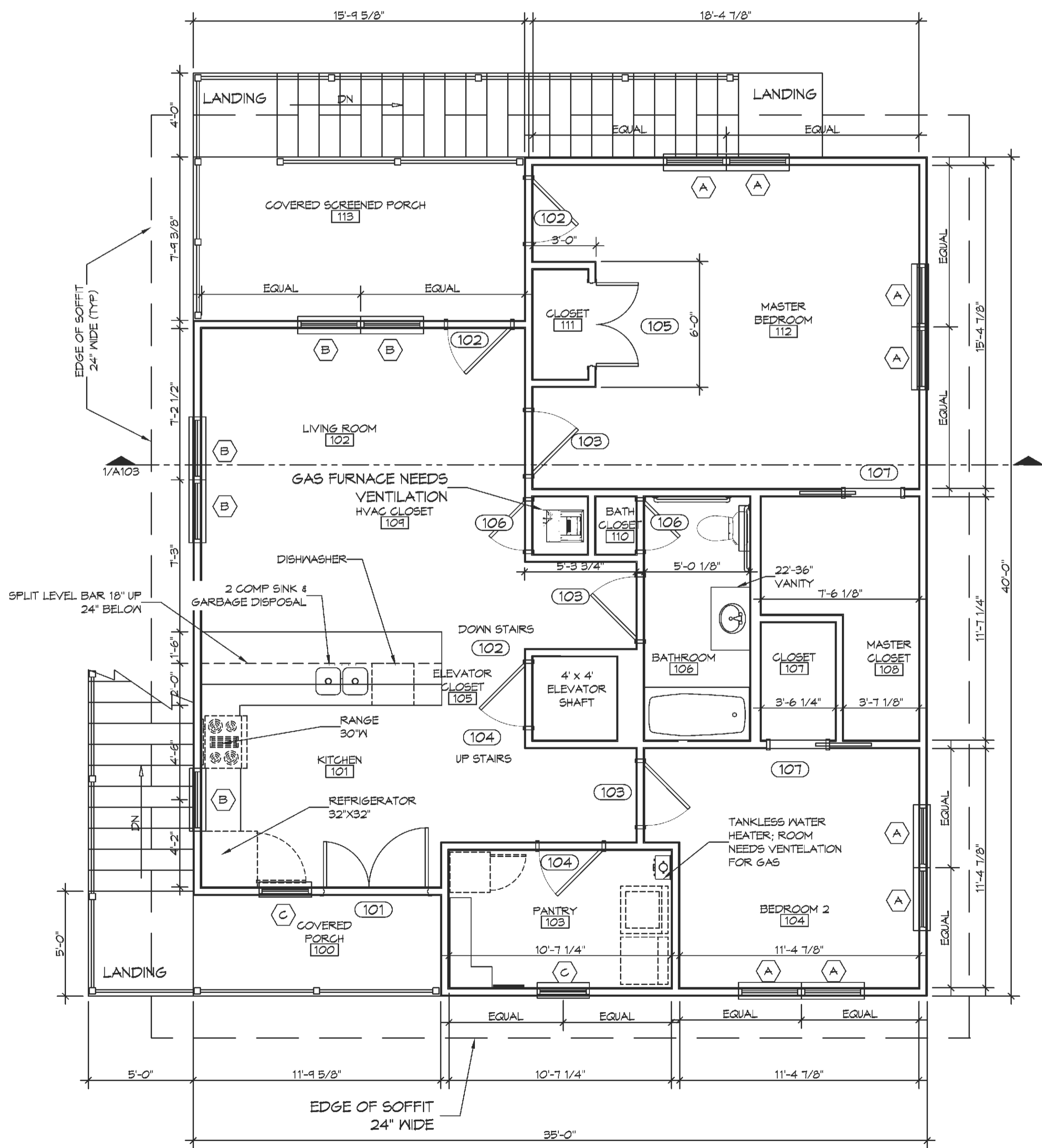
WINDOW NOTES:  
 1. EMERGENCY ESCAPE WINDOWS SHALL BE MOUNTED NO MORE THAN 44" AFF.  
 2. PROVIDE WOOD STRUCTURAL PANELS FOR ALL GLAZING WITH A MINIMUM THICKNESS OF 7/16 INCH. LABEL EACH PANEL # STORE IN ATTIC.

- GENERAL NOTES:**
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS AT THE JOB SITE AND SHALL NOTIFY DESIGNER OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BEFORE PROCEEDING WITH THE JOB.
  - CONTRACTOR MUST COMPLY WITH RULES AND REGULATIONS OF AGENCIES HAVING JURISDICTION AND SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL CONSTRUCTION, SAFETY AND SANITARY LAWS, CODES, STATUTES AND ORDINANCES. ALL FEES, TAXES, PERMITS, APPLICATIONS AND CERTIFICATES OF INSPECTION, AND THE FILING OF ALL WORK WITH GOVERNMENTAL AGENCIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - ALL WORK SHALL BE PERFORMED BY SKILLED AND QUALIFIED WORKMEN IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADES INVOLVED, AND IN COMPLIANCE WITH BUILDING REGULATIONS AND/OR GOVERNMENTAL LAWS, STATUTES OR ORDINANCES CONCERNING THE USE OF UNION LABOR.
  - CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF ACCUMULATION OF WASTE MATERIALS OR RUBBISH; PREMISES TO BE SWEEP CLEAN DAILY OF RELATED CONSTRUCTION DEBRIS. AT THE COMPLETION OF THE WORK, LEAVE THE JOB SITE FREE OF ALL MATERIALS AND BROOM CLEAN.
  - DO NOT SCALE DRAWINGS; DIMENSIONS GOVERN. LARGER SCALE DRAWINGS SHALL GOVERN SMALLER SCALE.
  - PATCH ALL AREAS WHERE FLOOR IS NOT LEVEL OR TRUE PRIOR TO THE INSTALLATION OF FLOORING OR CARPETING.
  - CONTRACTORS SHALL BE RESPONSIBLE FOR THE DISTRIBUTION OF DRAWINGS TO ALL TRADES UNDER HIS JURISDICTION.
  - ALL WORK SHALL BE ERECTED AND INSTALLED PLUMB, LEVEL, SQUARE, TRUE AND IN PROPER ALIGNMENT.
  - ALL MATERIAL SHALL BE NEW, UNUSED AND OF THE HIGHEST QUALITY IN EVERY RESPECT, UNLESS OTHERWISE NOTED. MANUFACTURED MATERIALS AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
  - ALL WORK AND MATERIALS SHALL BE GUARANTEED AGAINST DEFECTS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING REQUIRED FOR HIS WORK.
  - TO ENSURE PROPER AND ADEQUATE BLOCKING, ALL BLOCKING FOR CABINET WORK WILL BE THE RESPONSIBILITY OF THE CABINET CONTRACTOR.
  - DIMENSIONS ARE TO CENTERLINE, FACE OF STUDS, CENTER OF COLUMNS, OR FACE OF VENEER.
  - USE 6" STUDS, OR 4" STAGGERED STUDS AT ALL PLUMBING WALLS.
  - EXTERIOR CAULKING SHALL BE DOW CORNING 790 SILICONE, INSTALL IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION WITH OWNER TO SELECT COLOR. INTERIOR CAULKING TO BE EQUAL TO DAP PAINTABLE LATEX WITH SILICONE.
  - PAINT GRADE SHALL BE SHERWIN WILLIAMS OR EQUIVALENT. ALL WORK TO RECEIVE 3 COATS. COLOR SELECTION BY OWNER.
  - ALL EXTERIOR DOORS ARE TO BE WEATHERSTRIPPED.
  - UPON COMPLETION OF WORK, THE CONTRACTOR SHALL WALK THROUGH WITH OWNER AND COMPILE A PUNCHLIST OF CORRECTIONS AND UNSATISFACTORY AND/OR INCOMPLETE WORK.

THIS SIDE FACES REAR CANAL



2 ROOF PLAN  
SCALE: 1/4" = 1'-0"



1 FLOOR PLAN  
SCALE: 1/4" = 1'-0"

**DAMMON ENGINEERING, INC.**  
 LOUISIANA & MISSISSIPPI  
 Chief Engineer: Brian Mistich, PE  
 554 Old Spanish Trail  
 Slidell, LA 70458  
 www.dammonengineering.com  
 info@dammonengineering.com  
 PH: 985.649.5832

REVISIONS	DATE
# DESCRIPTION	

SEAL:  
  
 BRIAN A. MISTICH  
 License No. 20187  
 10/4/2018

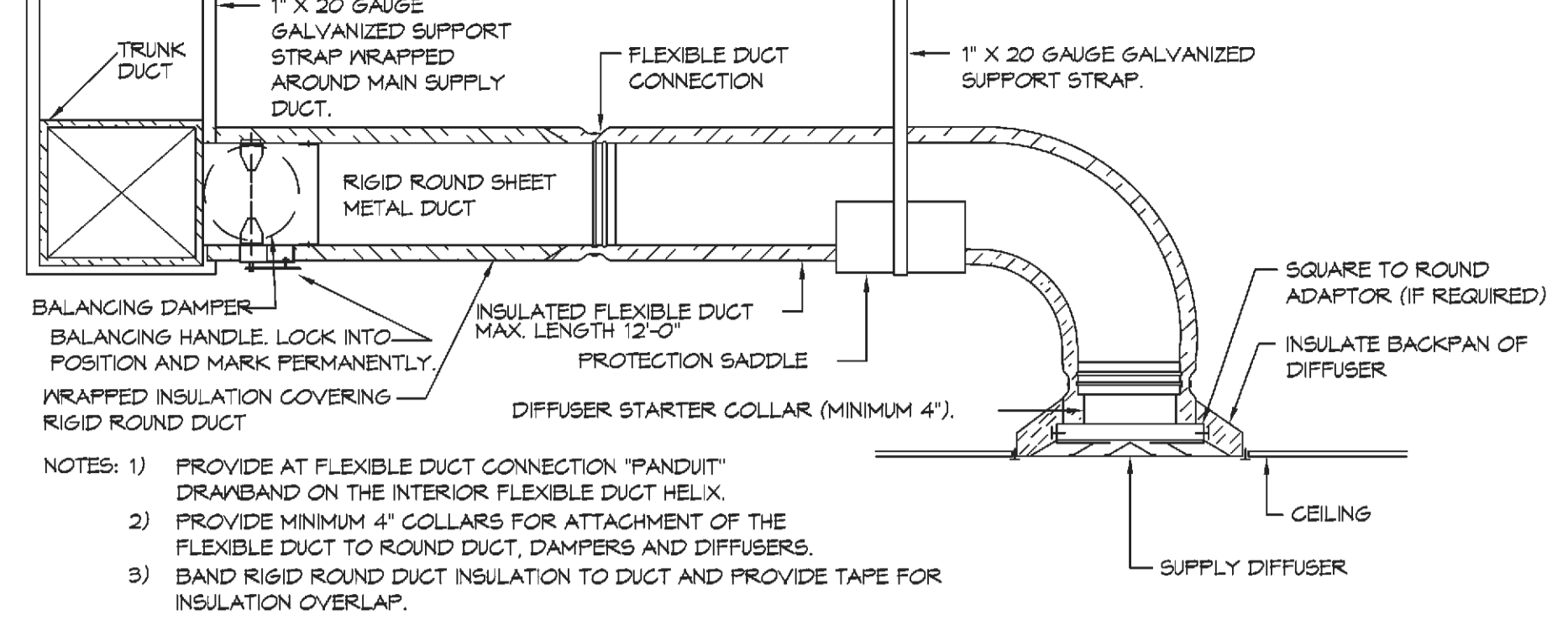
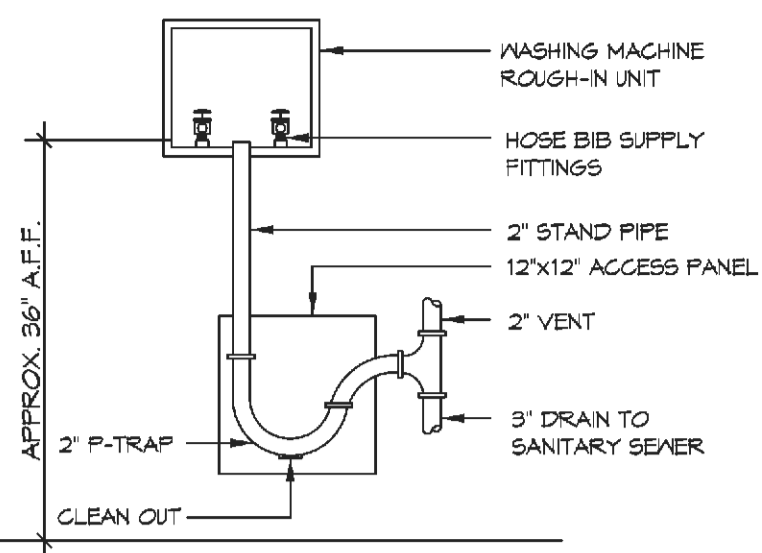
NEW RESIDENCE  
 SHEET TITLE:  
 FLOOR & ROOF PLANS  
 DRAWING NUMBER:  
**A101**  
 SHEET No: 7 of 11





**GENERAL PLUMBING NOTES**

- PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. PROVIDE ALL PLUMBING FIXTURES. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, AND ALL SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME, CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
- CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS, AND INVERTS PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
- CONTRACTOR TO BE RESPONSIBLE TO VERIFY ANY INVERTS AND SET NEW INVERTS OF SEWAGE AND DRAINAGE PIPES.
- ALL WORK AND MATERIAL TO COMPLY STRICTLY TO THE LATEST LOCAL CITY PARISH, STATE, AND NATIONAL GOVERNING CODES.
- SEWAGE LINES 3" AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES THAT ARE 4" AND LARGER SHALL BE SLOPED 1/8" PER FOOT.
- TEST ALL PIPING AT REQUIRED PRESSURE.
- ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS TO ENSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
- ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY. ALL LOCATIONS SHALL BE FIELD VERIFIED.
- WATER PIPING UNDER GROUND SHALL BE PVC SCHEDULE 40. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER THE FINISHED FLOOR BUT ABOVE THE NATURAL GRADE SHALL BE CPVC SCHEDULE 80.
- DOMESTIC WATER PIPING AND FITTINGS ABOVE THE FINISHED FLOOR SHALL BE CPVC SCHEDULE 40 OR PEX TUBING AND FITTINGS. WHEN PEX TUBING AND FITTINGS ARE USED THEY SHALL BE UPSIZED, (I.E. 1/2" SHOWN ON THE DRAWINGS SHALL HAVE 3/8" PEX TUBING AND FITTINGS, 3/4" SHALL HAVE 1" PEX).
- SOL, WASTE, VENT PIPING AND FITTINGS:
  - ABOVE THE FINISHED FLOOR SHALL BE PVC SCHEDULE 40 OR ABS 5/4".
  - BELOW THE FLOOR BUT ABOVE THE NATURAL GRADE SHALL BE PVC SCHEDULE 40. ALL WASTE PIPING BELOW THE FLOOR AND ABOVE THE NATURAL GRADE SHALL BE SUPPORTED BENEATH THE FLOOR JOIST, BORING HOLES IN FLOOR JOIST FOR DRAINAGE PIPING SHALL NOT BE ALLOWED. INSTALL HANGERS AND SUPPORTS TO ALLOW CONTROLLED THERMAL MOVEMENT OF PIPING SYSTEMS, TO PERMIT FREEDOM OF MOVEMENT BETWEEN PIPE ANCHORS, AND TO FACILITATE ACTION OF EXPANSION JOINTS, EXPANSION LOOPS, EXPANSION BENDS, AND SIMILAR UNITS.
  - GRAVITY FLOW PIPING BELOW THE NATURAL GRADE SHALL BE SDR-26.
  - PVC PRESSURE PIPE SHALL BE ANVIA C900 CLASS 150 WITH GASKETED JOINTS.
- ALL WATER PIPING AND FITTINGS ABOVE THE CEILING SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION AND JACKET, ALL WATER PIPING AND FITTINGS BELOW THE FINISHED FLOOR BUT ABOVE THE NATURAL GRADE SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION AND JACKET. INSTALL HANGERS AND SUPPORTS OUTSIDE OF INSULATION TO ALLOW CONTROLLED THERMAL MOVEMENT OF PIPING SYSTEMS, TO PERMIT FREEDOM OF MOVEMENT BETWEEN PIPE ANCHORS, AND TO FACILITATE ACTION OF EXPANSION JOINTS, EXPANSION LOOPS, EXPANSION BENDS, AND SIMILAR UNITS. ALL WATER PIPING AND FITTINGS ABOVE THE CEILING BUT BELOW THE ROOF SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION AND JACKET.
- SHOWER AND SHOWER/BATH COMBINATIONS IN ALL BUILDINGS SHALL BE PROVIDED WITH AN AUTOMATIC COMPENSATING SCALD PREVENTATIVE VALVE OF THE PRESSURE BALANCE, THERMOSTATIC, OR COMBINATION PRESSURE BALANCE/THERMOSTATIC MIXING VALVE TYPE WHICH PROVIDES SCALD AND THERMAL SHOCK PROTECTION FOR THE RATED FLOW RATE OF THE INSTALLED SHOWERHEAD. THESE VALVES SHALL CONFORM TO ASSE 1016, ASME A 112.18.1 OR CSA B125.1 AND SHALL BE EQUIPPED WITH A MEANS TO LIMIT THE MAXIMUM SETTING OF THE VALVE TO 120°F (49.3°C), WHICH SHALL BE FIELD ADJUSTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AT THE TIME OF INSTALLATION.
- PROVIDE WATER HAMMER ARRESTORS AND SHUT-OFF VALVES WITH STOP COCKS FOR ALL HOT AND COLD WATER PIPING FIXTURES.



**3DETAIL**  
SCALE: NTS WASHING MACHINE CONNECTIONS

**4DETAIL**  
SCALE: NTS SUPPLY REGISTER

**PLUMBING FIXTURE SCHEDULE**

DESCRIPTION	TYPE	ROUGH-IN SIZES				MODEL
		WASTE	VENT	CV	H/L	
WATER CLOSET	VALVE	4"	3"	1/2"	-	KOHLER K-3575
LAVATORY		2"	2"	1/2"	1/2"	KOHLER R2699-4-0 MOEN 842295RN
SINK		2"	2"	1/2"	1/2"	MOEN 6202334 4 KINGSTON ML65878TCL
WASHING MACHINE		2"	2"	1/2"	1/2"	
BATHUB/SHOWER		2"	2"	1/2"	1/2"	KOHLER K-715 4 MOEN T2103EPEN KV POSI-TEMP VALVE
DISHWASHER		2"	2"	1/2"		

**A/C CONDENSER UNIT SCHEDULE**  
TOTAL HVAC TONS = 3 1/2

NO.	TOTAL BTU	TOTAL TONNAGE	VOLTAGE	MCA	CKT BRKR	ELECTRICAL MANUFACTURER
1	42,000	3-1/2 TON	240V 1Ø	26	40A-2P	RHEEM OR EQUAL

**A/C AIR HANDLING UNIT SCHEDULE**  
TOTAL HVAC TONS = 3 1/2

NO.	TOTAL BTU	CFM	STATIC PRESS	OA	GAS HEAT	ELECTRICAL	MANUFACTURER
1	42,000	1,400	0.50	84	40K BTU	120V 1Ø	12 15A-1P RHEEM OR EQUAL

NOTE: AIR HANDLING UNIT TO BE HIGH EFFICIENCY

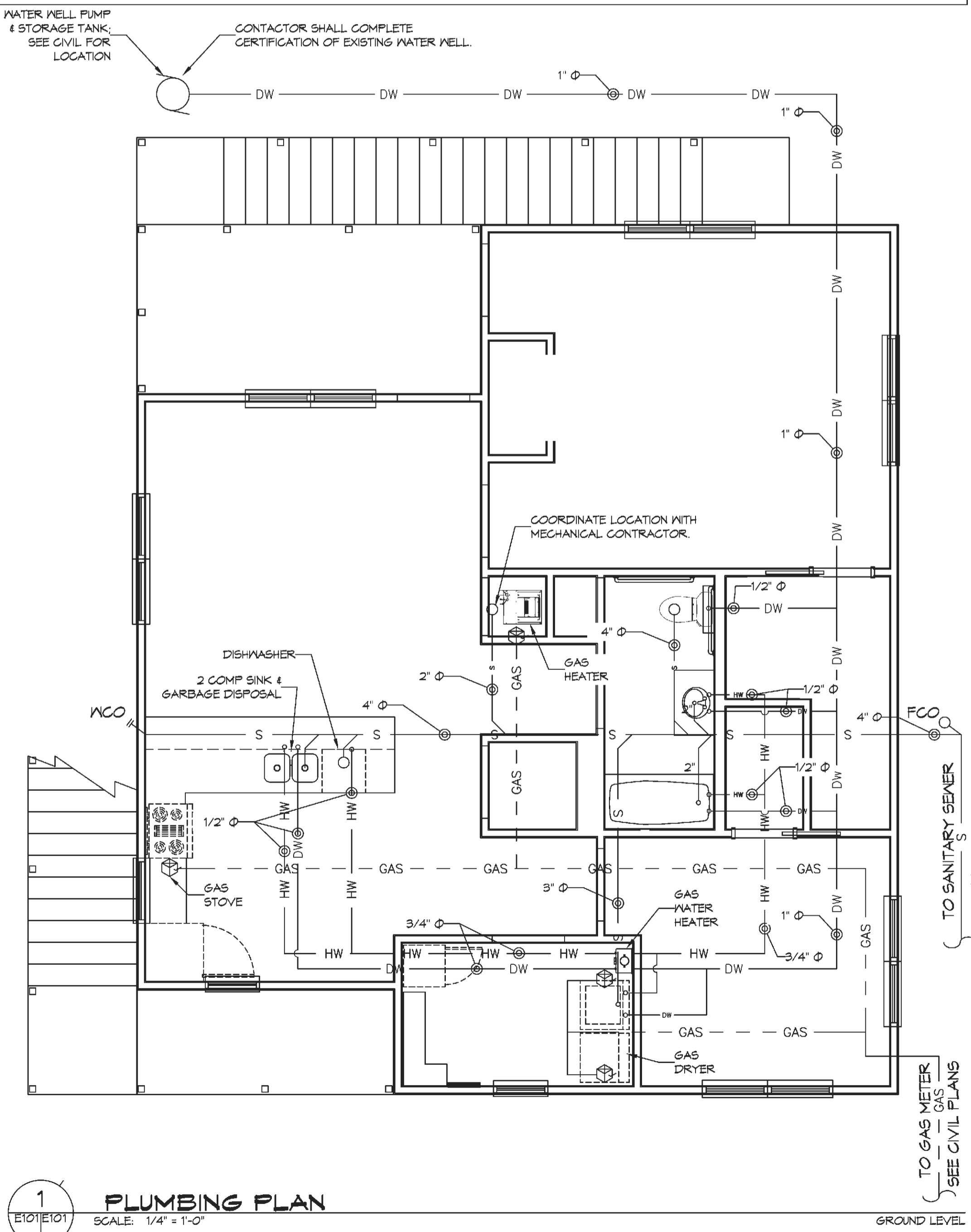
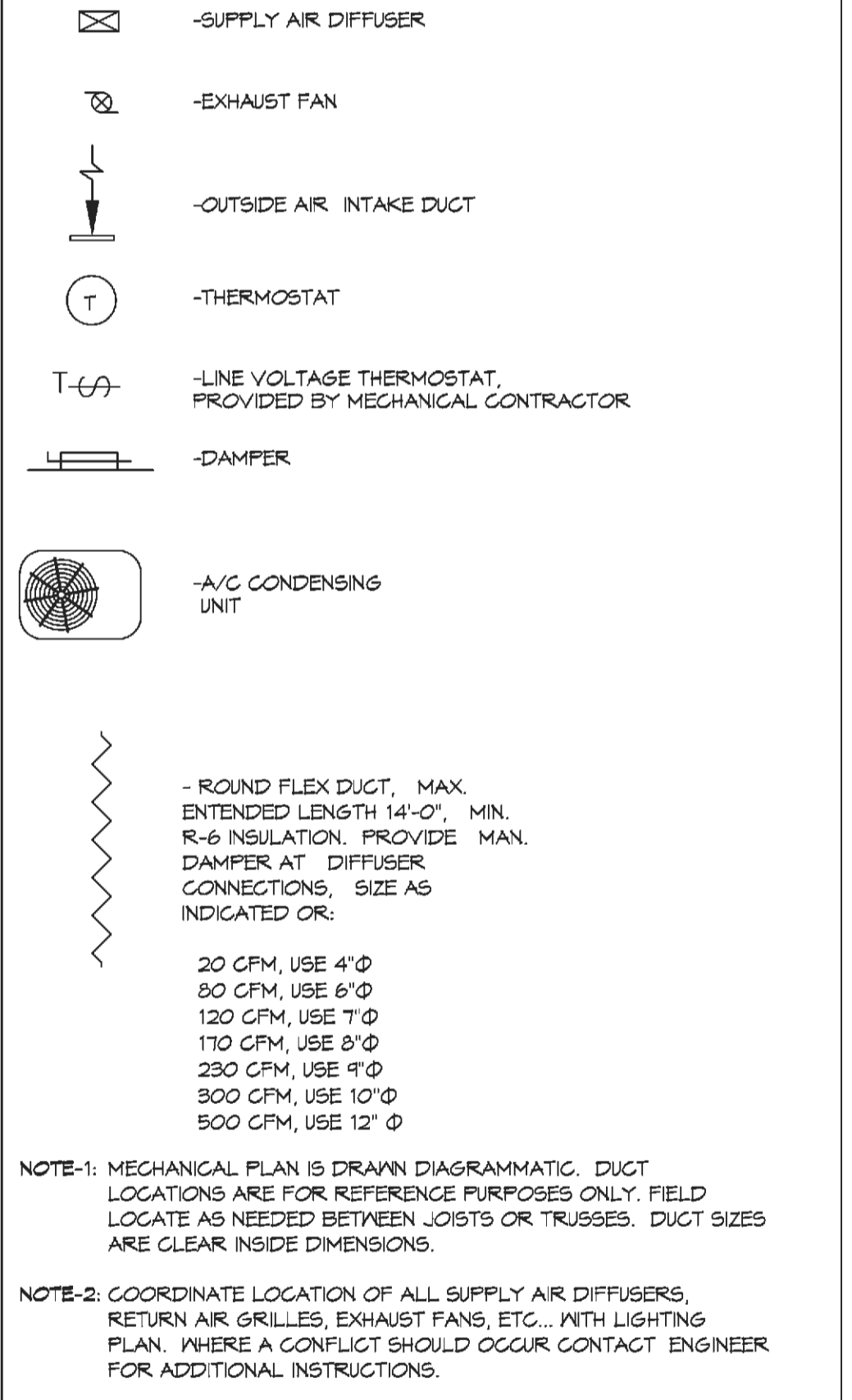
**FRESH AIR REQUIREMENTS PER IMC 2015**  
TABLE 405.3

ROOM NAME	SF	CFM/OCC	TOTAL OA
AHU- 3 1/2 TON			45
BUILDING	1220	15.0	45

**GENERAL MECHANICAL NOTES**

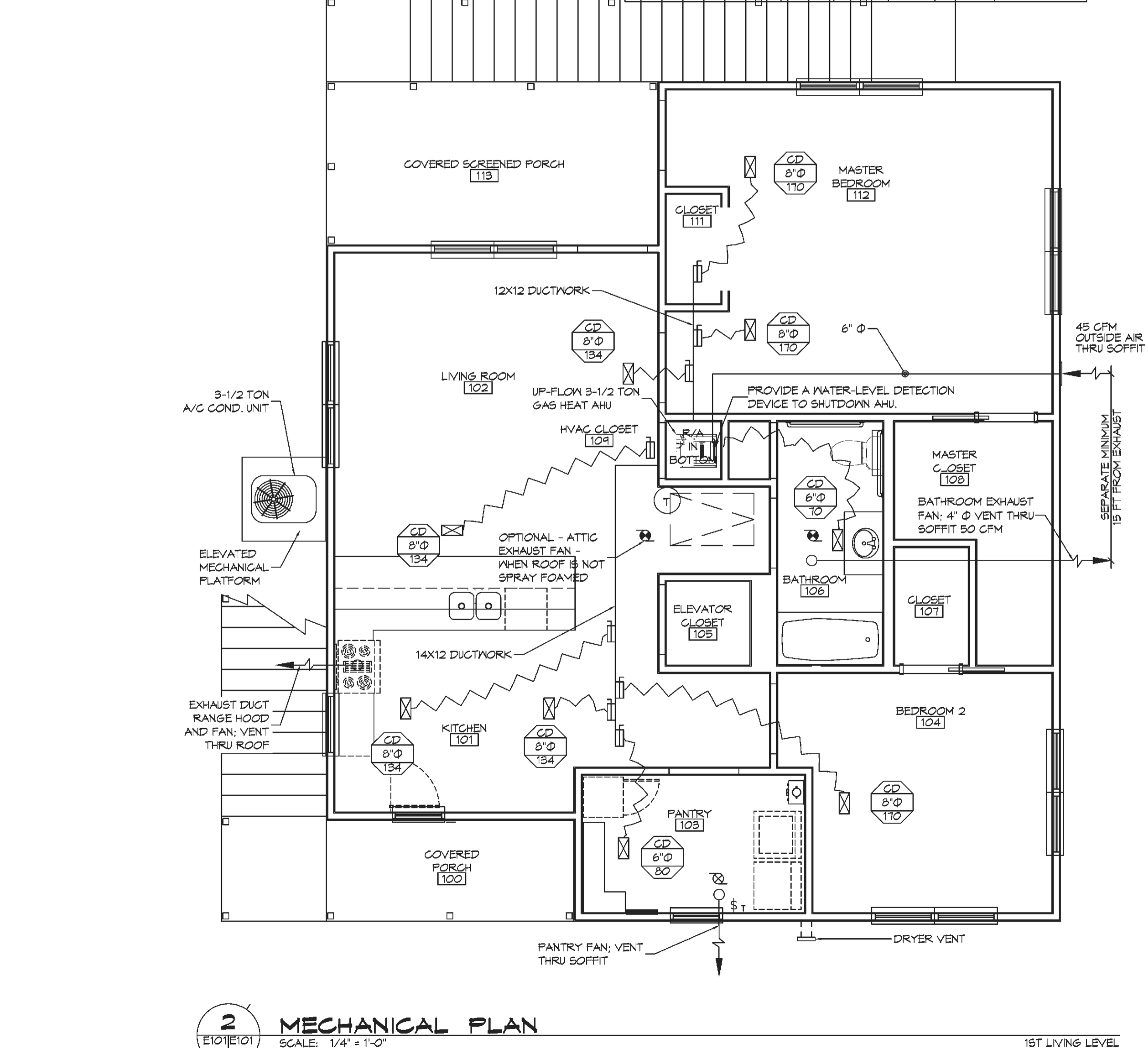
- CONCEALED DUCTWORK SHALL BE FACED DUCTBOARD MIN R-6, INSTALLED PER SMACNA STANDARDS. DUCTBOARD SHALL BE EQUIVALENT TO JOHNS MANVILLE 800 SERIES SPIN-GLASS.
- EXPOSED DUCTWORK SHALL BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, 1" THICK, MIN R-6, INSTALLED PER SMACNA STANDARDS.
- ROUND FLEXIBLE DUCT SHALL BE UL-181, CLASS 1, AIR DUCT MATERIALS. MAXIMUM EXTENDED LENGTH OF FLEXIBLE DUCT IS 14'-0".
- DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
- PROVIDE UL LISTED 125°F FRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
- PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES.
- CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
- ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
- ALL THERMOSTATS TO BE 7 DAY-PROGRAMMABLE.
- RESTROOM EXHAUST FAN EQUAL TO BROAD FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCHES). PROVIDE BACK DRAFT DAMPER.
- PROVIDE AND INSTALL WATER PROOF GRIFFLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
- ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS.
- LOCATE OUTDOOR UNITS AS SHOWN.
- REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
- ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY. CONTRACTOR TO VERIFY WITH ENGINEER THE LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
- PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AHJ'S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR.
- FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.

**HVAC LEGEND**



**1 PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"

GROUND LEVEL



**2 MECHANICAL PLAN**  
SCALE: 1/4" = 1'-0"

1ST LIVING LEVEL

**DAMMON ENGINEERING, INC.**  
LOUISIANA & MISSISSIPPI  
Chief Engineer: Brian Westch, PE  
554 Old Spanish Trail  
Slidell, LA 70458  
www.dammonengineering.com  
info@dammonengineering.com  
PH: 985.649.5832

NO.	DATE	DESCRIPTION



NEW RESIDENCE  
SHEET TITLE:  
MECHANICAL & PLUMBING PLANS  
DRAWING NUMBER:  
**MP101**

DATE: 10-4-2018  
CHECKED BY: DFP  
DRAWN BY: MGS  
MGS: MGS  
255 MARKET A 70458  
SLIDELL, LA 70458  
JOB No: 1010101  
SHEET No: 10 of 11

