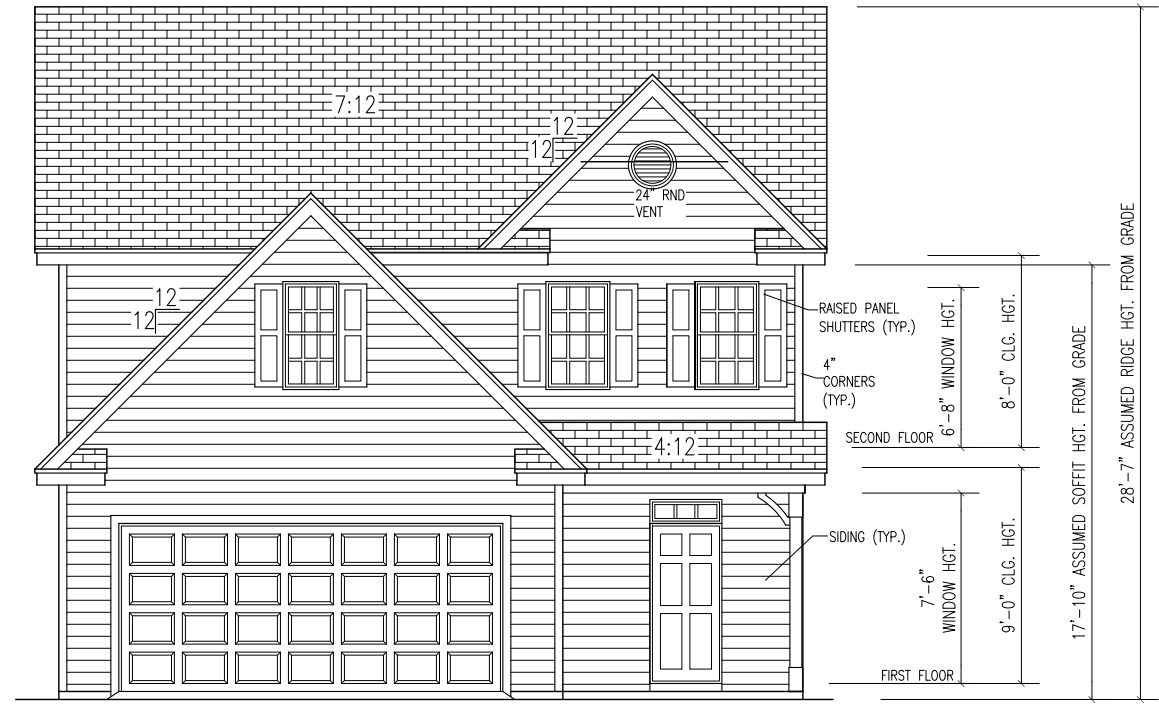
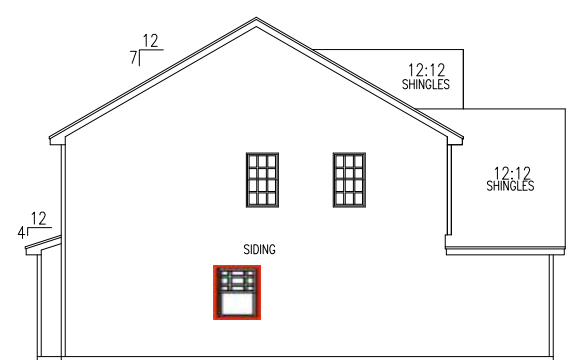


ATTIC SPACE VENTILATION	
REQUIRED	
$\frac{1236 \text{ SQ. FT. OF CLG.}}{150} = 8.24 \text{ SQ. FT. REQUIRED}$	
REFER TO SECTION R806 (ROOF VENTILATION) IN NORTH CAROLINA STATE 2018 INTERNATIONAL RESIDENTIAL BUILDING CODES.	

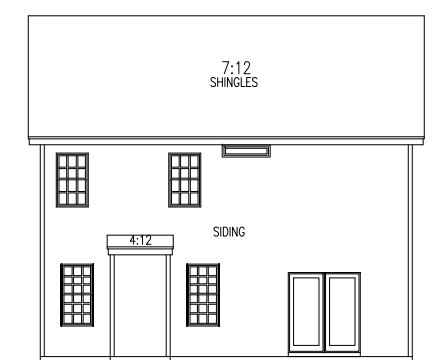
MEAN ROOF HGT.			
Soffit Hgt. From Assumed Grade	+ Highest Ridge Hgt. From Assumed Grade	÷ 2	= Mean Roof Hgt.
17'-10"	+ 28'-7"	÷ 2	= 23'-3" Mean Roof Hgt.



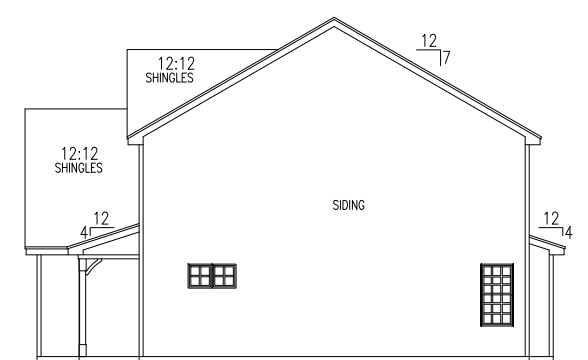
FRONT ELEVATION "A"



LEFT ELEVATION



REAR ELEVATION



RIGHT ELEVATION

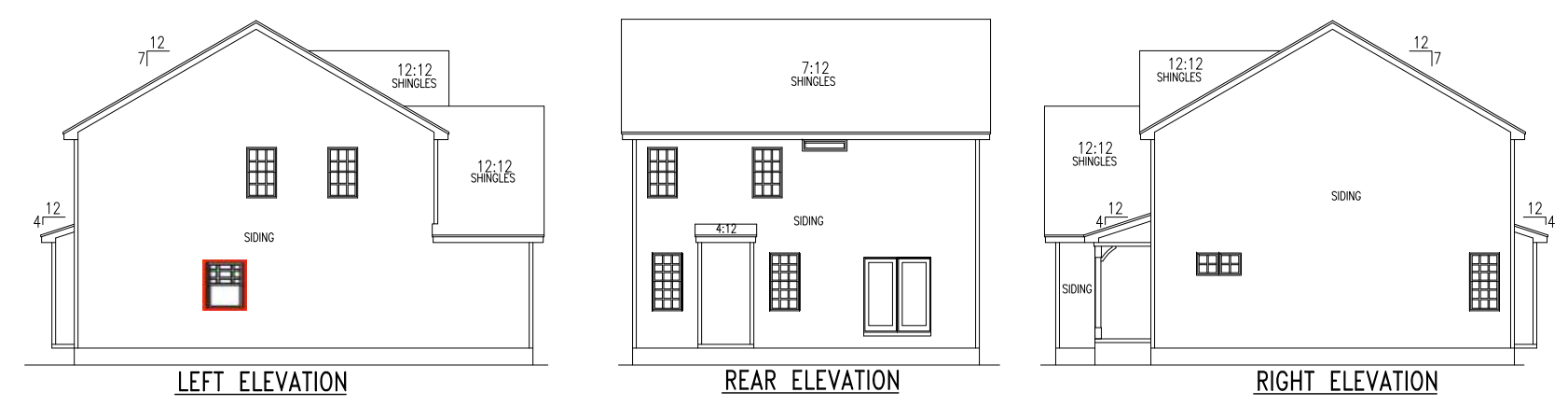
SCALE	
24"X36"	= 1/4"=1'-0"
11"X17"	= 1/8"=1'-0"

ATTIC SPACE VENTILATION	
REQUIRED	
1236	SQ. FT. OF CLG. / 150 = 8.24 SQ. FT. REQUIRED
REFER TO SECTION R806 (ROOF VENTILATION) IN NORTH CAROLINA STATE 2018 INTERNATIONAL RESIDENTIAL BUILDING CODES.	

MEAN ROOF HGT.			
Soffit Hgt. From Assumed Grade	+ Highest Ridge Hgt. From Assumed Grade	÷ 2	= Mean Roof Hgt.
20'-4"	+ 31'-1"	÷ 2	= 25'-9" Mean Roof Hgt.



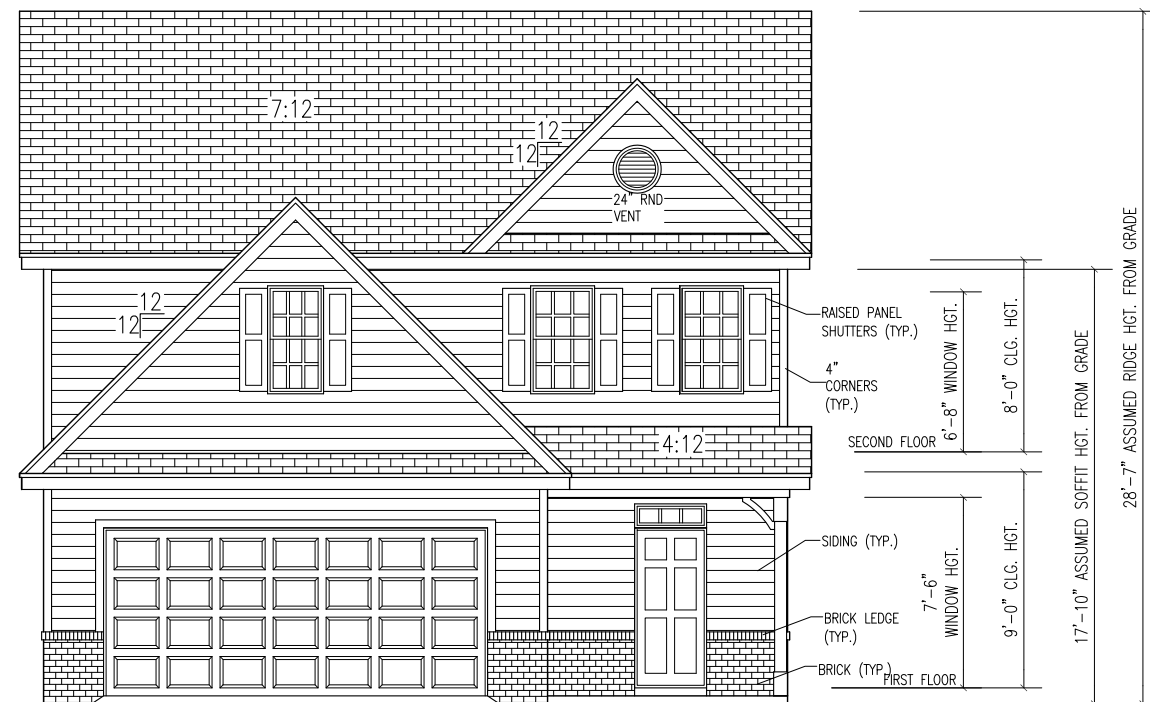
FRONT ELEVATION "A"



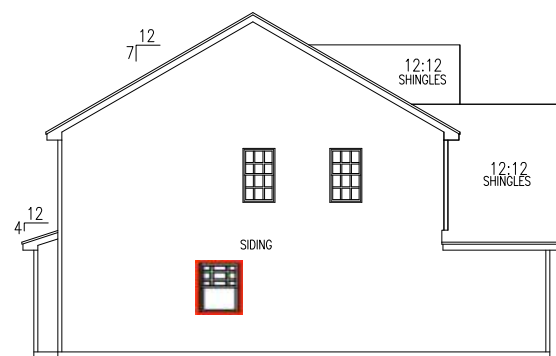
SCALE	
24"x36"	= 1/4" = 1'-0"
11"x17"	= 1/8" = 1'-0"

ATTIC SPACE VENTILATION	
REQUIRED	
1236	SQ. FT. OF CLG. / 150 = 8.24 SQ. FT. REQUIRED
REFER TO SECTION R806 (ROOF VENTILATION) IN NORTH CAROLINA STATE 2018 INTERNATIONAL RESIDENTIAL BUILDING CODES.	

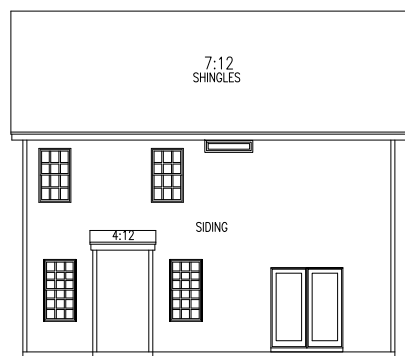
MEAN ROOF HGT.			
Soffit Hgt. From Assumed Grade	+ Highest Ridge Hgt. From Assumed Grade	÷ 2	= Mean Roof Hgt.
17'-10"	+ 28'-7"	÷ 2	= 23'-3" Mean Roof Hgt.



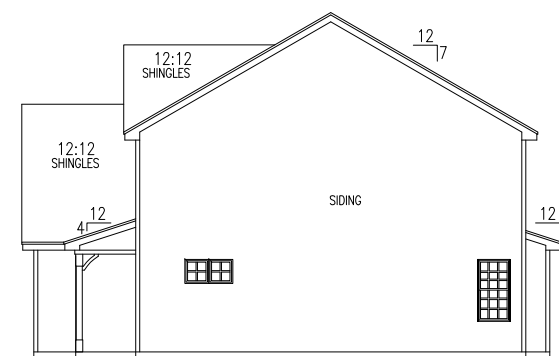
FRONT ELEVATION "B"



LEFT ELEVATION



REAR ELEVATION

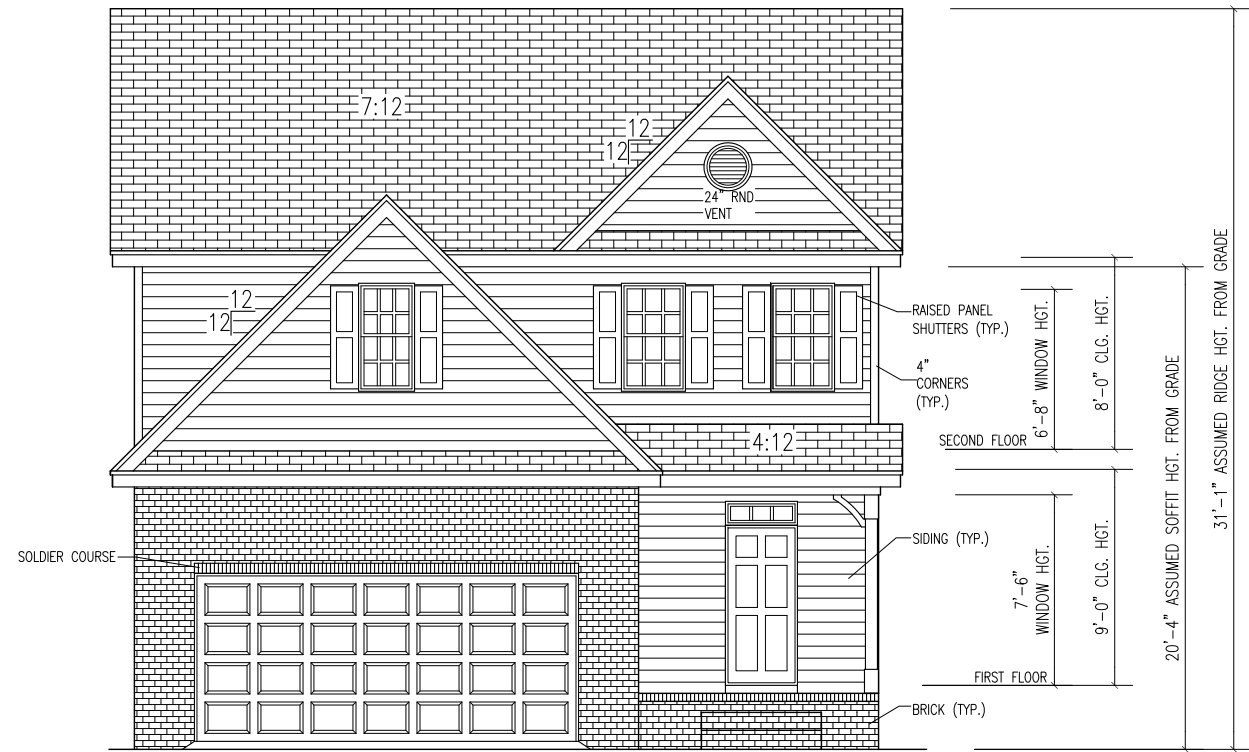


RIGHT ELEVATION

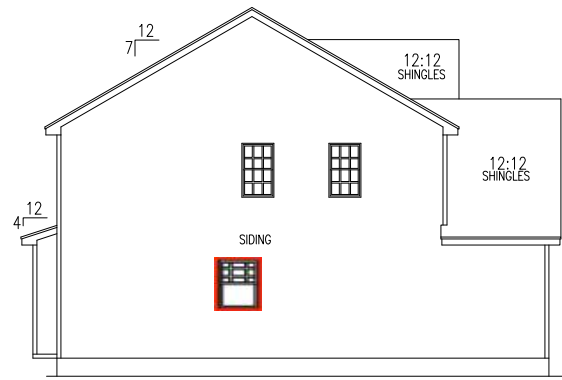
SCALE	
24"X36"	= 1/4"=1'-0"
11"X17"	= 1/8"=1'-0"

ATTIC SPACE VENTILATION	
REQUIRED	
1236 SQ. FT. OF CLG. / 150 =	8.24 SQ. FT. REQUIRED
REFER TO SECTION R806 (ROOF VENTILATION) IN NORTH CAROLINA STATE 2018 INTERNATIONAL RESIDENTIAL BUILDING CODES.	

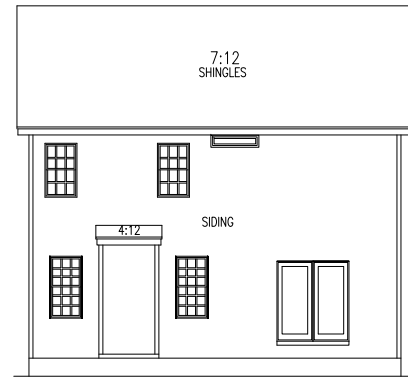
MEAN ROOF HGT.			
Soffit Hgt. From Assumed Grade	+ Highest Ridge Hgt. From Assumed Grade	÷ 2	= Mean Roof Hgt.
20'-4"	+ 31'-1"	÷ 2	= 25'-9" Mean Roof Hgt.



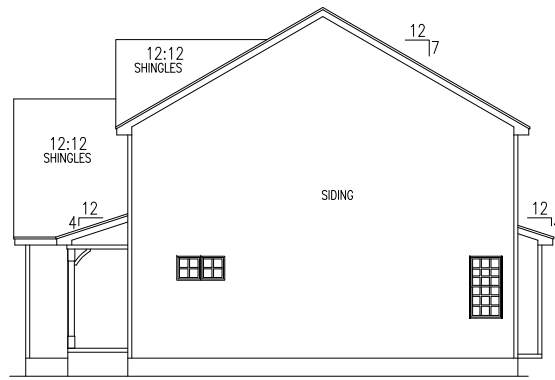
FRONT ELEVATION "B"



LEFT ELEVATION



REAR ELEVATION



RIGHT ELEVATION

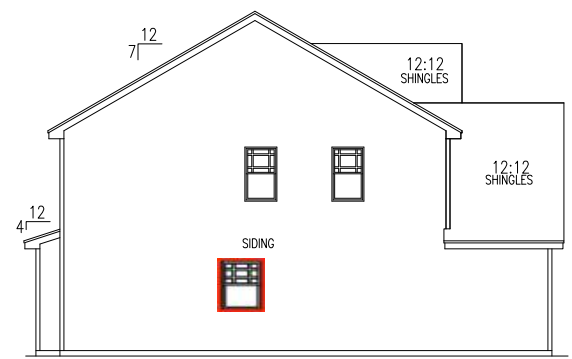
SCALE	
24"x36" =	1/4" = 1'-0"
11"x17" =	1/8" = 1'-0"

ATTIC SPACE VENTILATION	
REQUIRED	
1236	SQ. FT. OF CLG. / 150 = 8.24 SQ. FT. REQUIRED
REFER TO SECTION R806 (ROOF VENTILATION) IN NORTH CAROLINA STATE 2018 INTERNATIONAL RESIDENTIAL BUILDING CODES.	

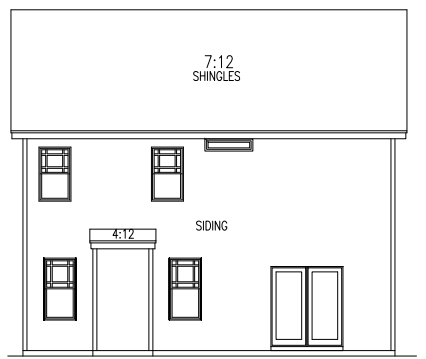
MEAN ROOF HGT.			
Soffit Hgt. From Assumed Grade	+ Highest Ridge Hgt. From Assumed Grade	÷ 2	= Mean Roof Hgt.
17'-10"	+ 28'-7"	÷ 2	= 23'-3" Mean Roof Hgt.



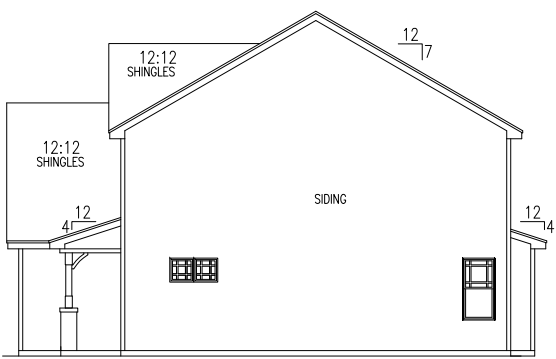
FRONT ELEVATION "C"



LEFT ELEVATION



REAR ELEVATION

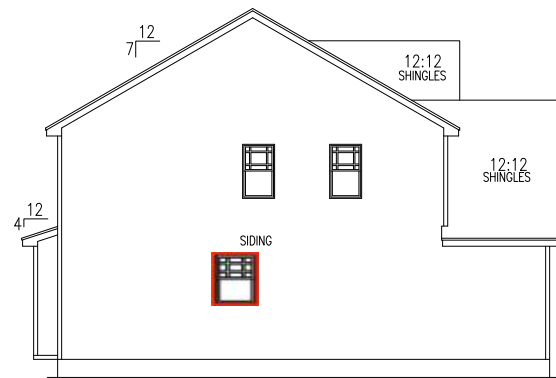


RIGHT ELEVATION

SCALE	
24"X36"	= 1/4"=1'-0"
11"X17"	= 1/8"=1'-0"



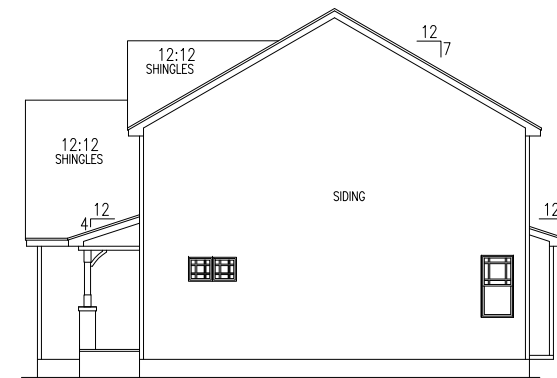
FRONT ELEVATION "C"



LEFT ELEVATION



REAR ELEVATION



RIGHT ELEVATION

ATTIC SPACE VENTILATION	
REQUIRED	
1236 SQ. FT. OF CLG. / 150 =	8.24 SQ. FT. REQUIRED
REFER TO SECTION R806 (ROOF VENTILATION) IN NORTH CAROLINA STATE 2018 INTERNATIONAL RESIDENTIAL BUILDING CODES.	

MEAN ROOF HGT.			
Soffit Hgt. From Assumed Grade	+ Highest Ridge Hgt. From Assumed Grade	÷ 2	= Mean Roof Hgt.
20'-4"	+ 31'-1"	÷ 2	= 25'-9" Mean Roof Hgt.

SCALE	
24"x36" = 1/4"=1'-0"	
11"x17" = 1/8"=1'-0"	

REVISIONS:
01/18/2019

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FIRM # C-4187

ADAMS & HODGE
ENGINEERING, PC

Elevation
"C"

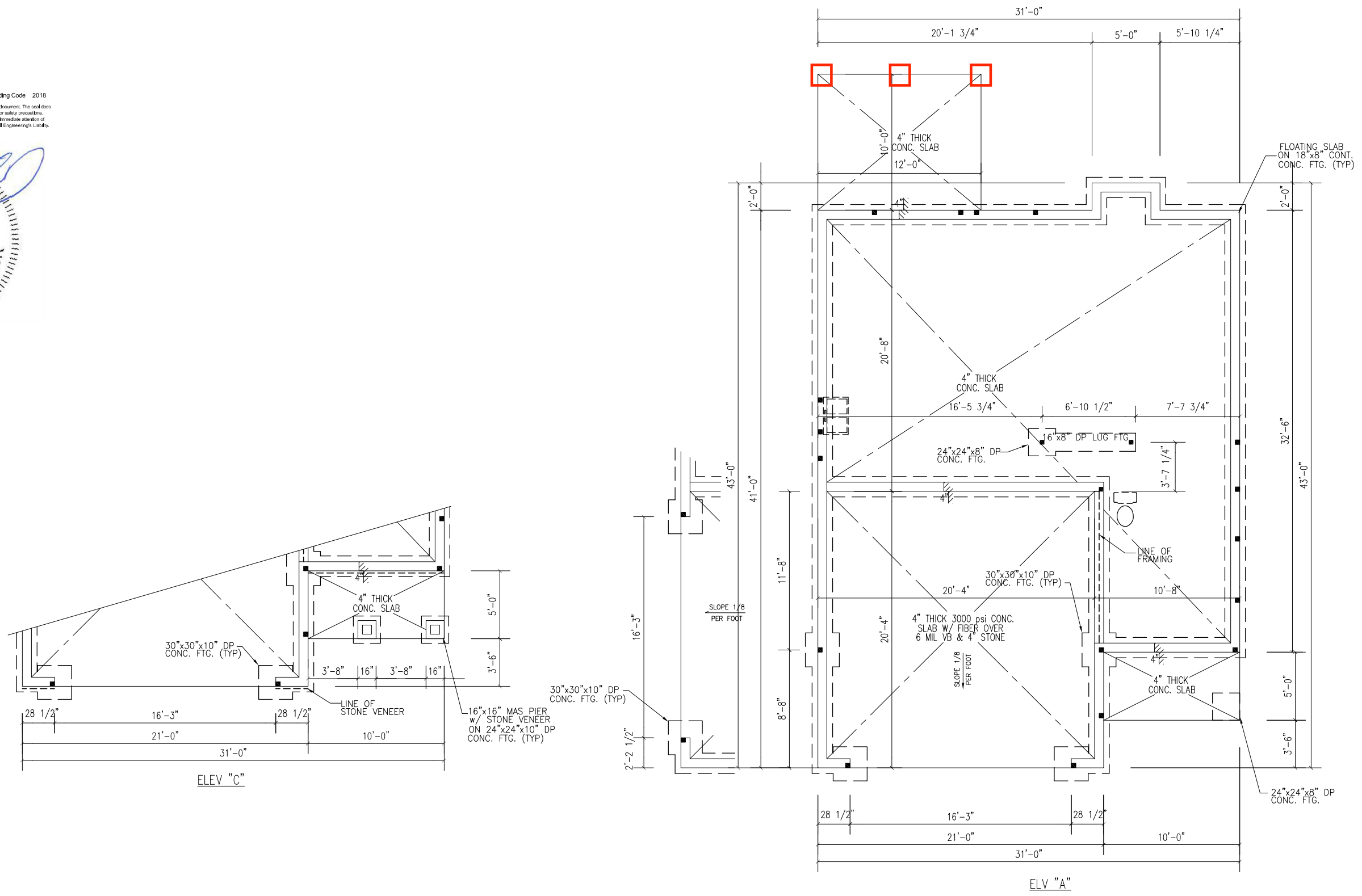
Palmer

FILE
DESIGN
ADS
DRAWN
ADS
CHECKED

DATE
5/30/2017
SHEET

1C

Project Number: 1901-010030
* Structural analysis based on NC Residential Building Code 2018
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SLAB FOUNDATION PLAN
"A" & "C"

SCALE
24"x36" = 1/4"=1'-0"
11"x17" = 1/8"=1'-0"

REVISIONS:

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FIRM # C-4187



Floating Slab
Foundation
"A" & "C"

Palmer

FILE

DESIGN
ADS

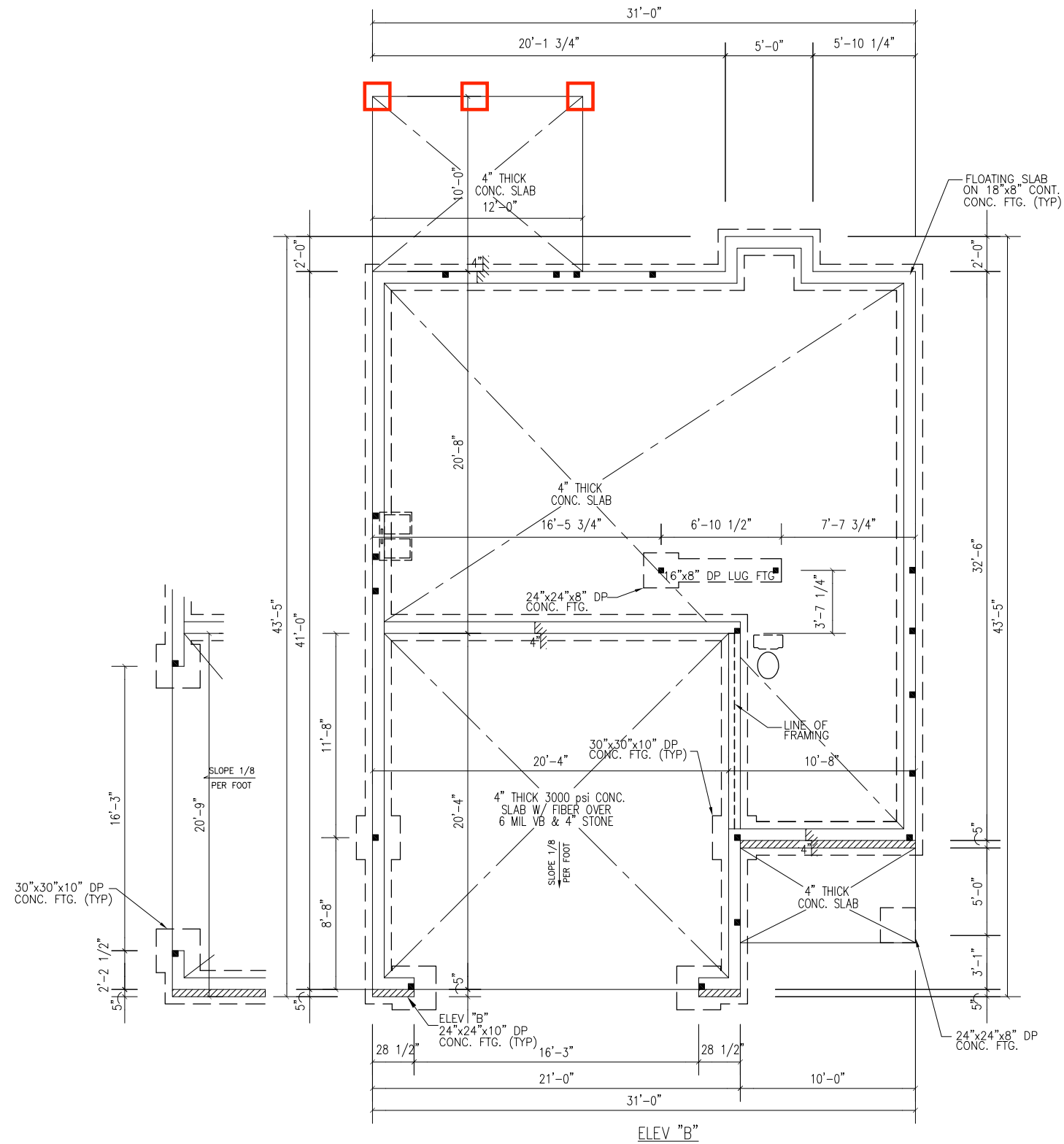
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2



SLAB FOUNDATION PLAN

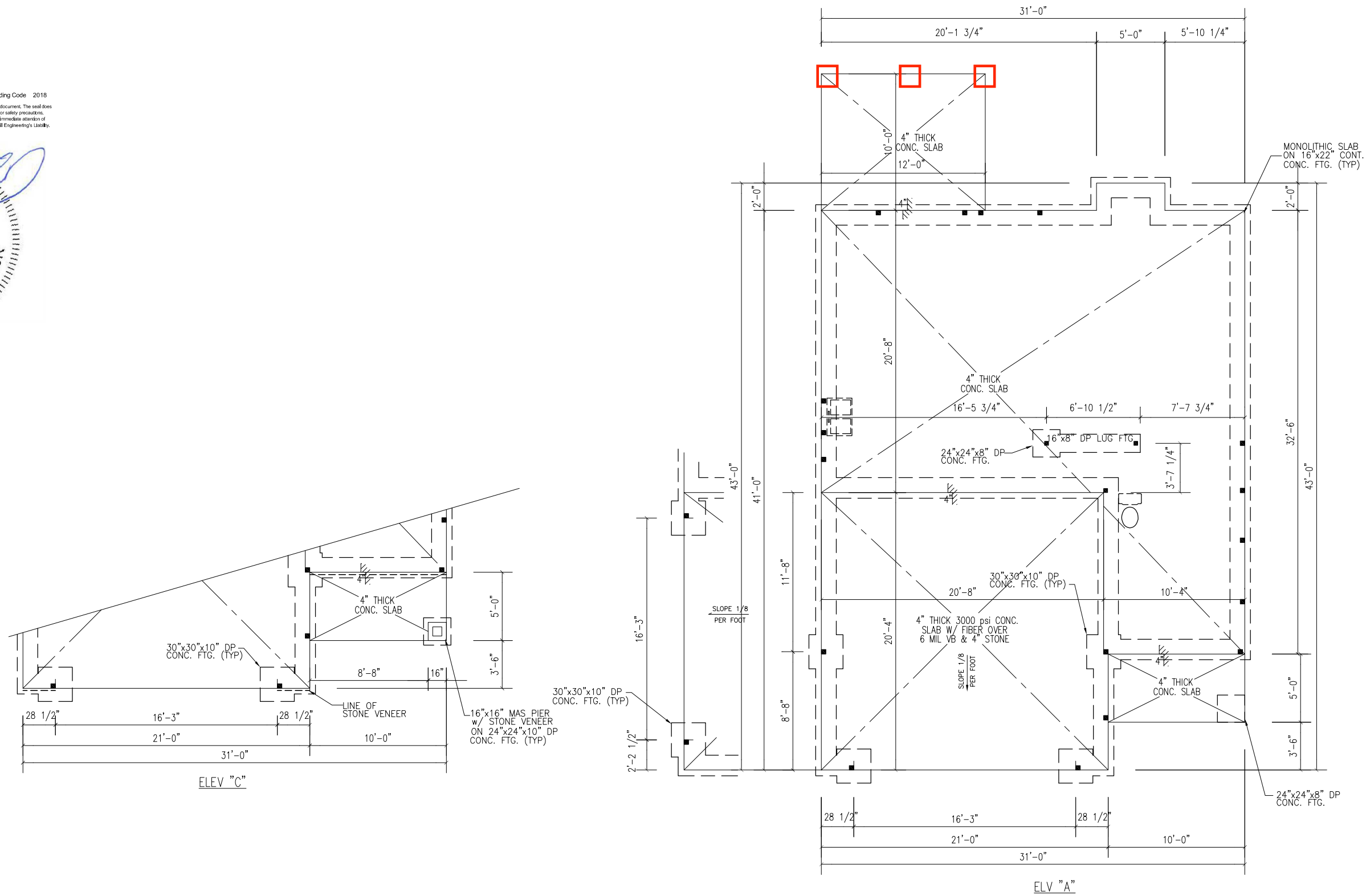
ELEV "B"

SCALE
24"X36" = 1/4"=1'-0"
11"X17" = 1/8"=1'-0"



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SLAB FOUNDATION PLAN
"A" & "C"

SCALE
24"X36" = 1/4"=1'-0"
11"X17" = 1/8"=1'-0"

REVISIONS:

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ADAMS & HODGE
ENGINEERING, PC



Monolithic Slab
Foundation
"A" & "C"

Palmer

FILE

DESIGN
ADS

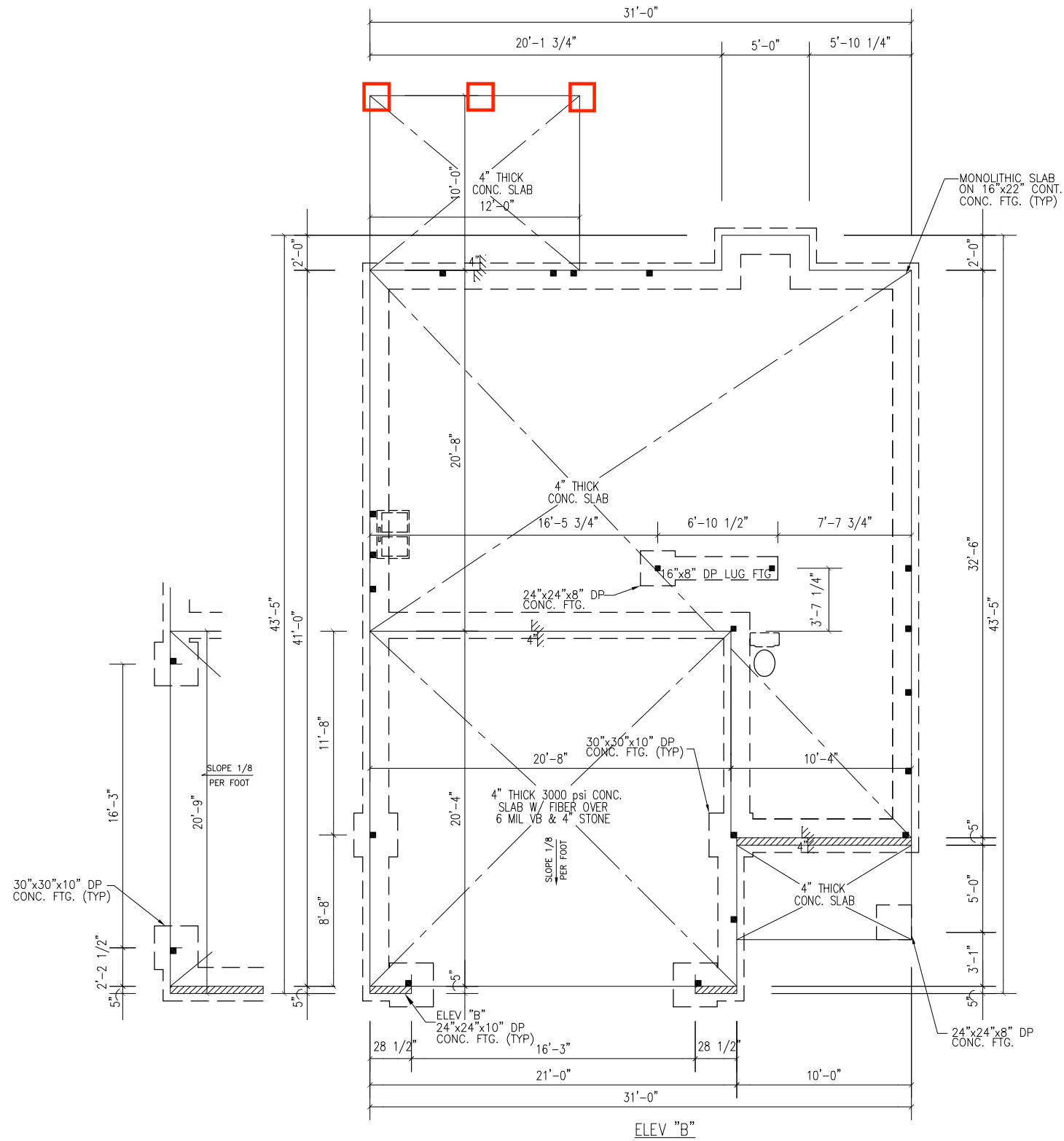
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SLAB FOUNDATION PLAN
ELEV "B"

SCALE
24"x36" = 1/4"=1'-0"
11"x17" = 1/8"=1'-0"

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FIRM # C-4187



Monolithic Slab
Foundation
"B"

Palmer

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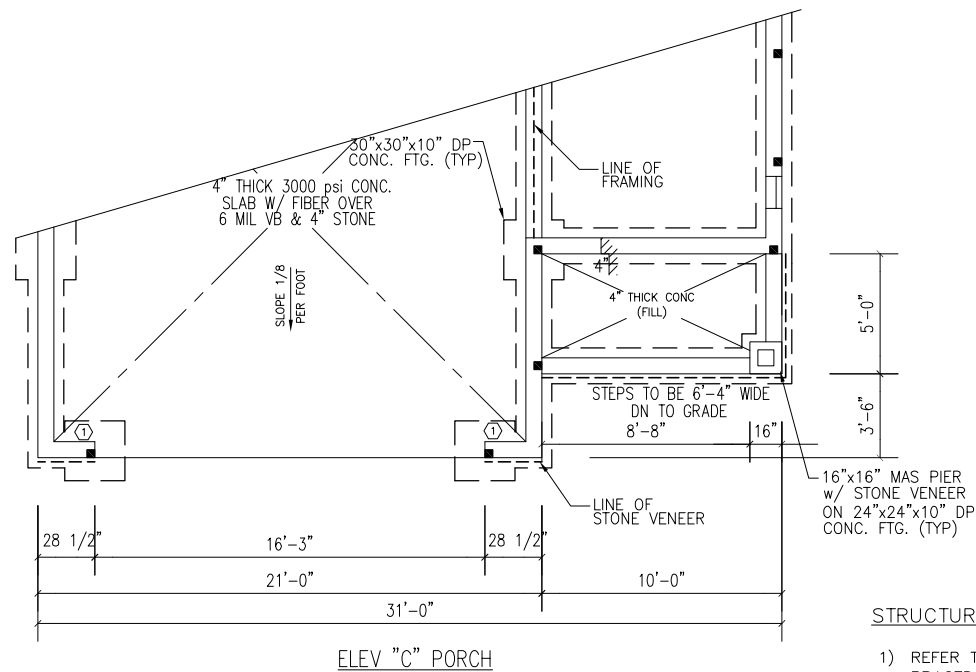
DATE
5/30/2017
SHEET

CRAWL SPACE VENTILATION

REQUIRED	756	SQ. FT. / 150	= 5.04	SQ. FT. OF VENTILATION
PROVIDED	0.6	SQ. FT. / VENT	= 9	VENTS (SQ. FT. OF VENTILATION)
THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL NOT BE LESS THAN 1 SQ. FT. FOR EA. 150 SQ. FT. OF UNDER-FLOOR SPACE AREA. ONE SUCH VENTILATING OPENING SHALL BE WITHIN 3 FT. OF EA. CORNER OF SAID BUILDING.				



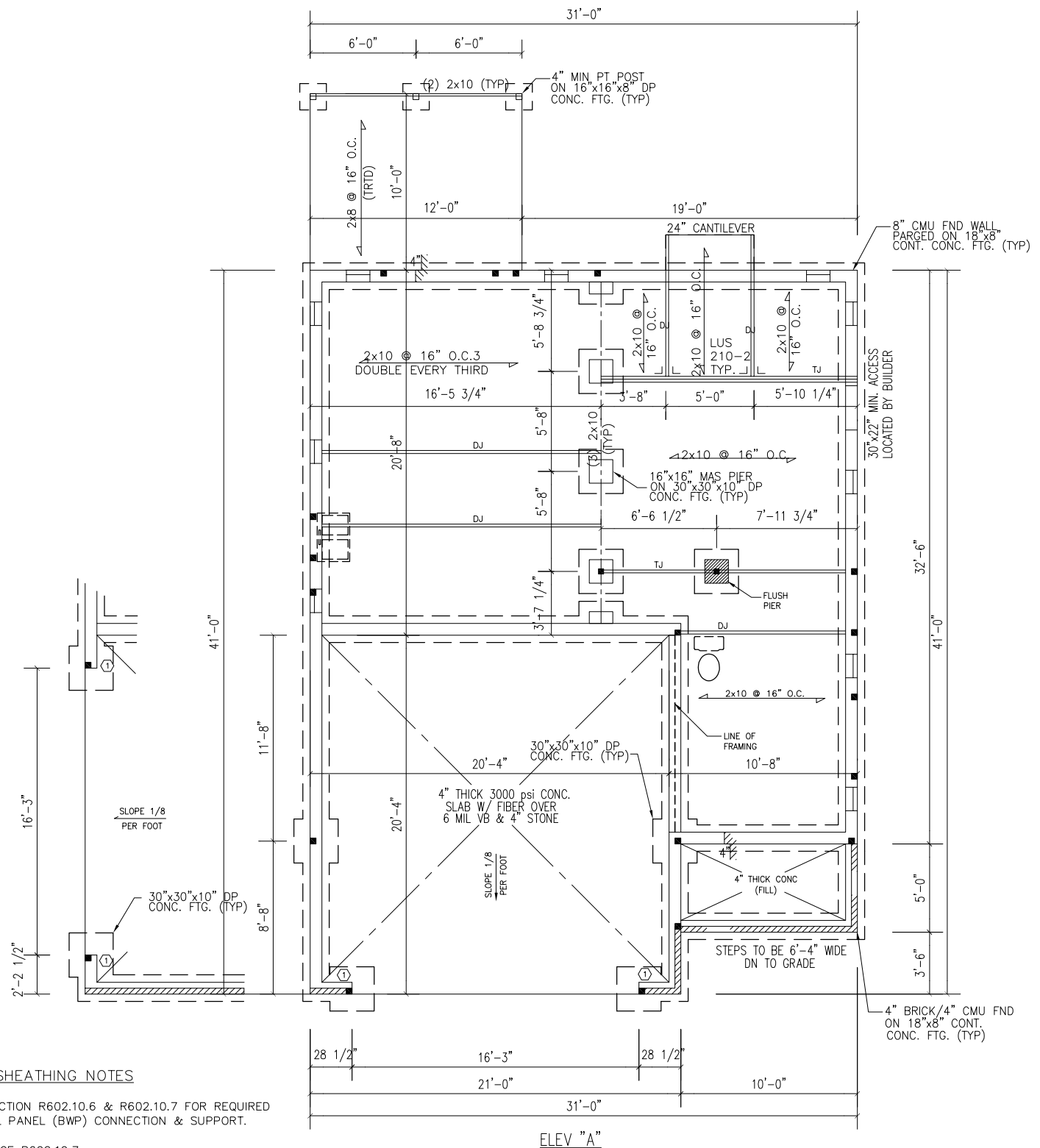
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STRUCTURAL SHEATHING NOTES

- REFER TO SECTION R602.10.6 & R602.10.7 FOR REQUIRED BRACED WALL PANEL (BWP) CONNECTION & SUPPORT.
- REFERENCE R602.10.7

CRAWLSPACE FOUNDATION PLAN
 ELEV "A" & "C"



SCALE	
24"x36"	= 1/4"=1'-0"
11"x17"	= 1/8"=1'-0"

REVISIONS:
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Crawl
 Foundation
 "A" & "C"

Palmer

FILE
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 SHEET

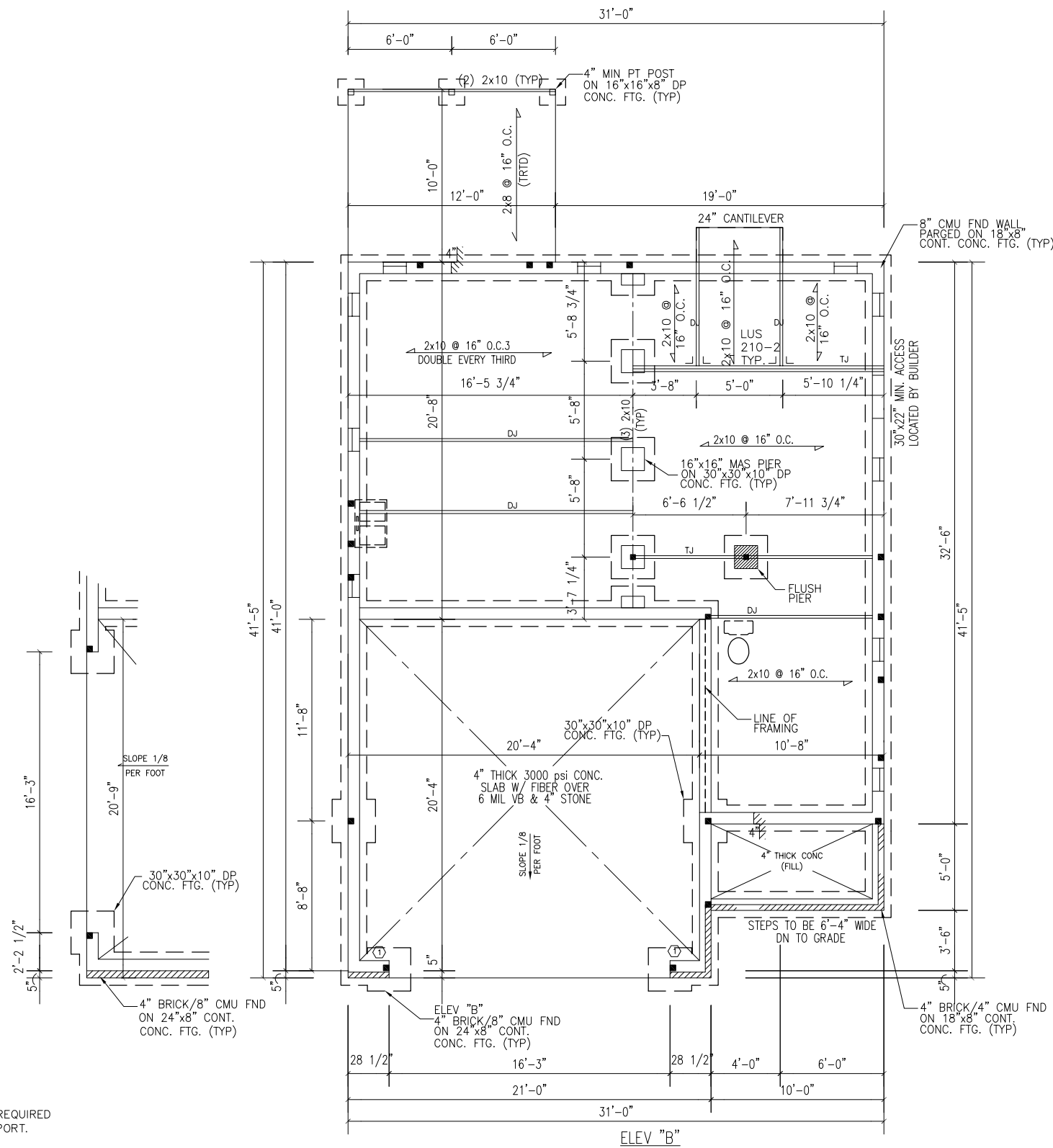
CRAWL SPACE VENTILATION	
REQUIRED	756 SQ. FT. / 150 = 5.04 SQ. FT. OF VENTILATION
PROVIDED	0.6 SQ. FT. / VENT = 9 VENTS 15.00 (SQ. FT. OF VENTILATION)
THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL NOT BE LESS THAN 1 SQ. FT. FOR EA. 150 SQ. FT. OF UNDER-FLOOR SPACE AREA. ONE SUCH VENTILATING OPENING SHALL BE WITHIN 3 FT. OF EA. CORNER OF SAID BUILDING.	



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STRUCTURAL SHEATHING NOTES

1) REFER TO SECTION R602.10.6 & R602.10.7 FOR REQUIRED BRACED WALL PANEL (BWP) CONNECTION & SUPPORT.

① REFERENCE R602.10.7

CRAWLSPACE FOUNDATION PLAN
ELEV "B"

SCALE
24"x36" = 1/4"=1'-0"
11"x17" = 1/8"=1'-0"

REVISIONS:

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919-243-1332
FIRM # C-4187



Crawl
Foundation
"B"

Palmer

FILE

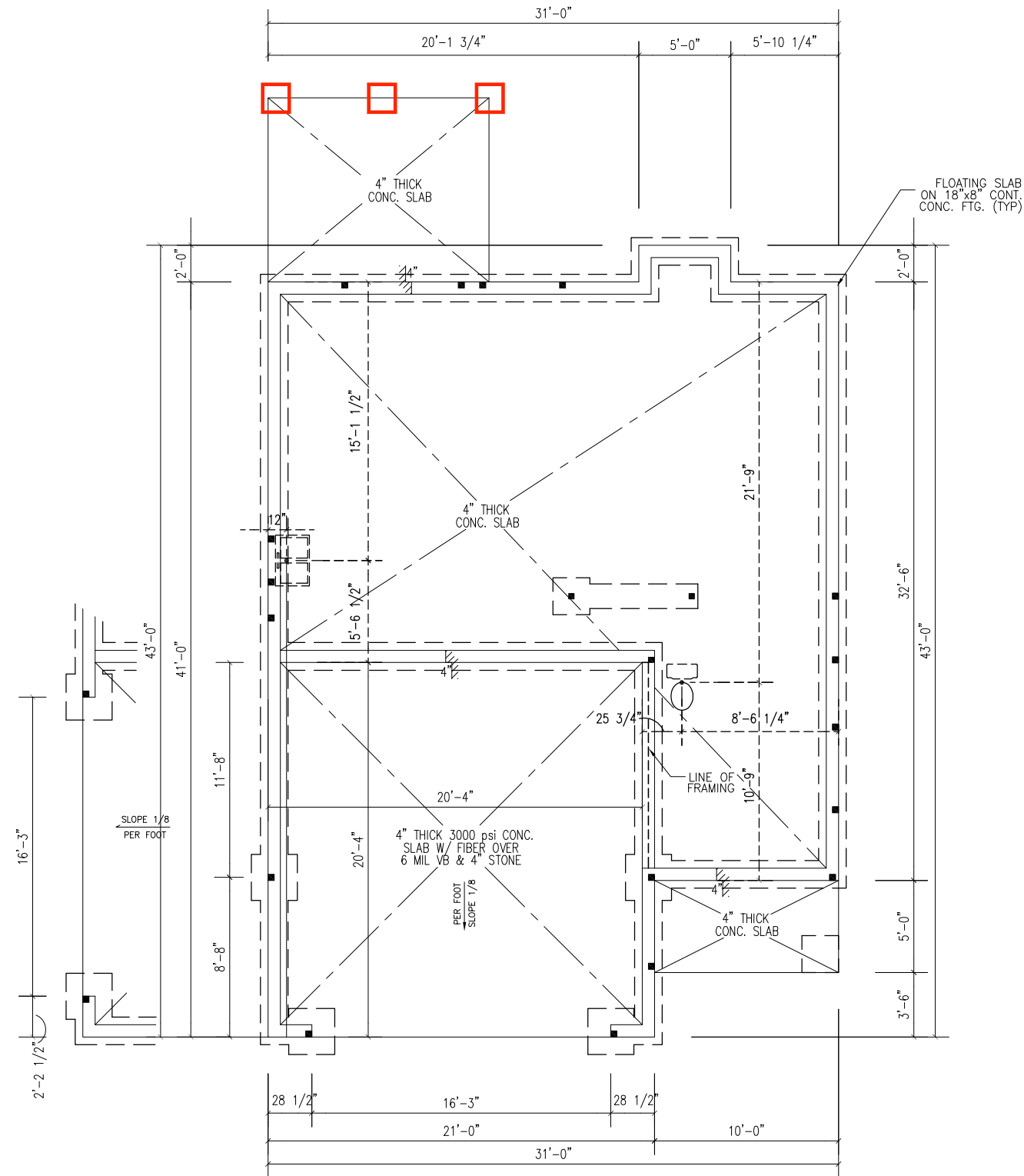
DESIGN
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ADS

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DATE
5/30/2017

SHEET



PLUMBING LAYOUT

SCALE
 24"x36" = 1/4"=1'-0"
 11"x17" = 1/8"=1'-0"

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 ENGINEERING, PC

ASH

Plumbing
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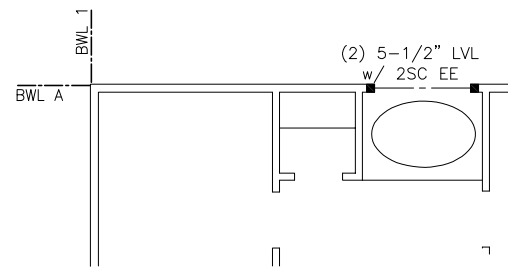
RS = ROOF SUPPORT
 NOTE: I-JOISTS PER MANUF. MAY BE USED IN LIEU OF FLOOR TRUSSES.

DESIGN LOADS

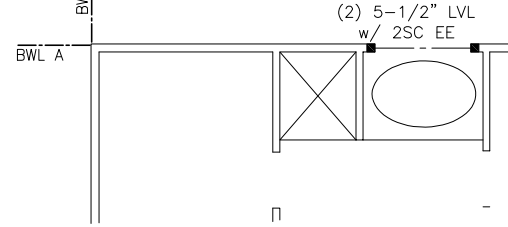
	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION
			DL LL
FLOOR (primary)	40	10	L/360 L/240
FLOOR (secondary)	40	10	L/360 L/240
ATTIC (w/ storage)	20	10	L/240 L/180
ATTIC (no access)	10	5	L/240 L/180
EXTERNAL BALCONY	60	10	L/360 L/240
ROOF TRUSS	20	20	L/180 L/180
WIND LOAD	BASED ON 100 MPH (EXPOSURE B)		
SEISMIC	BASED ON SEISMIC ZONES A, B & C		

- STRUCTURAL NOTES:
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF "NORTH CAROLINA STATE 2018 RESIDENTIAL BUILDING CODE", IN ADDITION TO ALL LOCAL CODES AND REGULATIONS.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND SQUARE FOOTAGE PRIOR TO CONSTRUCTION. TYNDALL ENGINEERING & DESIGN, PA IS NOT RESPONSIBLE FOR DIMENSIONS AND SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.
 - ALL LUMBER SHALL BE SYP #2 (UNO)
 ALL LVL LUMBER TO BE 1.75" WIDE NOMINAL EACH SINGLE MEMBER AND Fb = 2600 PSI, E = 1.9M PSI (I.E. I-LEVEL MICROLAM)
 ALL LSL LUMBER IS TO BE 1.55E (Fb = 2325 PSI)
 ALL LOAD BEARING EXTERIOR WINDOW HEADERS WITH MAXIMUM SPAN OF 5'-6" SHOULD BE A (2) 2x10 w/ (1) 2x4 KING STUD AND (1) 2x4 JACK STUD NAILED TOGETHER w/ (2) 10d @ 8" O.C. PROVIDED THAT THE TOP OF THE WINDOW HEIGHT IS 6'-8", MINIMUM BOTTOM OF THE WINDOW HEIGHT IS 1'-6", OTHERWISE REFER TO TABLE R502.5(1).
 - ALL INTERIOR LOAD BEARING HEADERS TO BE (2) 2x10 (U.N.O.) REFER TO TABLE R502.5(1) FOR JACK STUD REQUIREMENTS FOR HEADER SPANS FOR INTERIOR AND EXTERIOR LOAD CONDITIONS (UNO)
 - REFER TO 2018 NC BUILDING CODE SECTION R602 FOR CONSTRUCTION OF ALL WALLS OVER 10'-0" IN HEIGHT.
 - ALL STRUCTURAL STEEL SHALL BE ASTM A992 GRADE 50 Fy = 50 KSI MIN. (UNO)
 - ALL EXTERIOR LUMBER TO BE #2 SYP PT
 - ALL CONCRETE, fc = 3000 PSI MIN.
 - PRESUMPTIVE BEARING CAPACITY = 2000 PSF
 - 1/2" ANCHOR BOLTS SPACED AT MAXIMUM OF 6'-0" O.C. AND NOT MORE THAN 12" FROM THE CORNER. THERE SHALL BE A MINIMUM OF (2) BOLTS PER PLATE SECTION. ANCHOR BOLTS SHALL BE SPACED AT 3'-0" O.C. FOR BASEMENTS. ANCHOR BOLT SHALL EXTEND 7" INTO CONCRETE OR MASONRY.
 - PSL COLUMNS DESIGNED WITH MAX. HEIGHT OF 9'-0" (UNO)
 - PROVIDE A MINIMUM OF 500# UPLIFT & LATERAL CONNECTION AT TOP AND BOTTOM OF PORCH COLUMNS. (U.N.O.)
 - PROVIDE CONTINUOUS SHEATHING PER SECTION 602.10.4 OF THE 2018 IRC.
 - MAXIMUM MASONRY PIER HEIGHT SHALL NOT EXCEED FOUR TIMES ITS LEAST HORIZONTAL DIMENSION.
 - UPLIFT LOADS GREATER THAN 500# SHALL BE CONTINUOUSLY ANCHORED TO THE FOUNDATION.
 - METAL HANGERS SHALL BE SIMPSON OR APPROVED EQUAL.

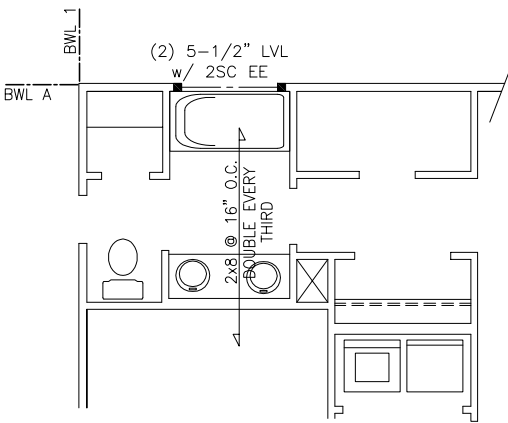
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 ALL LSL LUMBER IS TO BE 1.55E (Fb = 2325 PSI)
 ALL LOAD BEARING EXTERIOR WINDOW HEADERS WITH MAXIMUM SPAN OF 5'-6" SHOULD BE A (2) 2x10 w/ (1) 2x4 KING STUD AND (1) 2x4 JACK STUD NAILED TOGETHER w/ (2) 10d @ 8" O.C. PROVIDED THAT THE TOP OF THE WINDOW HEIGHT IS 6'-8", MINIMUM BOTTOM OF THE WINDOW HEIGHT IS 1'-6", OTHERWISE REFER TO TABLE R502.5(1).
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 - METAL HANGERS SHALL BE SIMPSON OR APPROVED EQUAL.



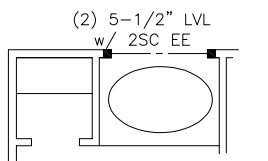
OPTIONAL GARDEN TUB



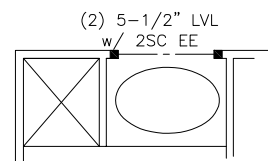
OPTIONAL SUNLIGHT GARDEN TUB



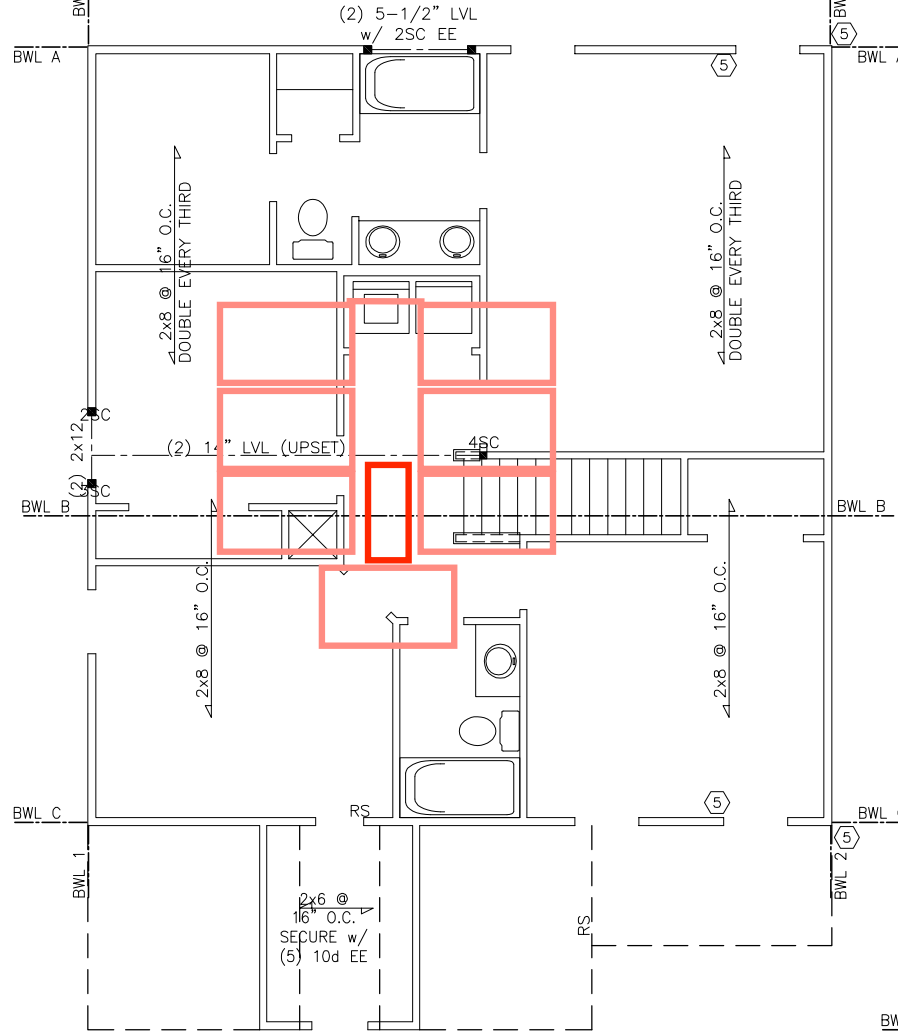
OPTIONAL OWNER'S SUITE BATH LAYOUT



OPTIONAL GARDEN TUB
 OPTIONAL OWNER'S SUITE BATH LAYOUT

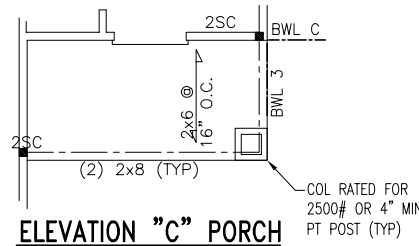


OPTIONAL SUNLIGHT GARDEN TUB
 OPTIONAL OWNER'S SUITE BATH LAYOUT



OPT. SIDE ENTRY

STRUCTURAL PLANS



ELEVATION "C" PORCH

REQUIRED BRACING 2ND FLOOR
 BWL 1 = 5.8 ft CS-WSP
 BWL 2 = 5.8 ft CS-WSP
 BWL A = 4.8 ft CS-WSP
 BWL B = 10.2 ft GB
 BWL C = 6.9 ft GB/WSP

PROVIDED BRACING
 BWL 1 = 27.2 ft
 BWL 2 = 32.5 ft
 BWL A = 18.4 ft
 BWL B = 33.1 ft
 BWL C = 12.1 ft

REQUIRED BRACING 1ST FLOOR
 BWL 1 = 14.3 ft CS-WSP
 BWL 2 = 10.5 ft GB/WSP
 BWL 3 = 14.3 ft CS-WSP
 BWL A = 10.4 ft CS-WSP
 BWL B = 20.8 ft GB/WSP
 BWL C = 6.4 ft CS-WSP
 BWL D = 5.7 ft CS-WSP

PROVIDED BRACING
 BWL 1 = 38.9 ft
 BWL 2 = 20.6 ft
 BWL 3 = 23.3 ft
 BWL A = 15.1 ft
 BWL B = 21.6 ft
 BWL C = 8.9 ft
 BWL D = 10.0 ft

SCALE
 24"x36" = 1/4"=1'-0"
 11"x17" = 1/8"=1'-0"

REVISIONS:
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 CLAYTON, NC 27520
 info@adamsandhodge.com
 919-243-1332
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Structural Plan

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 DESIGN ADS
 DRAWN ADS
 CHECKED
 DATE 5/30/2017
 SHEET 3

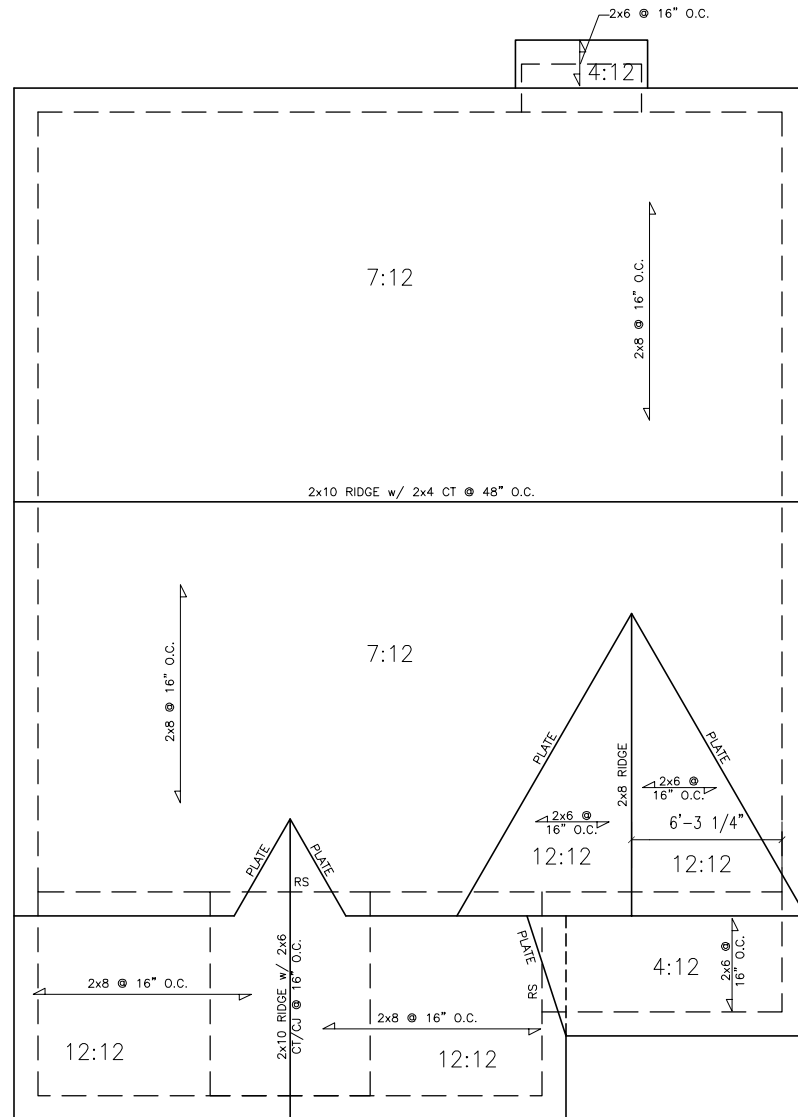
PROVIDE SIMPSON H2.5A @ EACH RAFTER
(TYP @ SCREEN PORCHES & VAULTED AREAS)

RS = ROOF SUPPORT



69778 020 • 919 778 9688
69 Shipwash Drive • Garner • North Carolina • 27529
www.tyndall-engineering.com

Project Number: 1901-010030
* Structural analysis based on NC Residential Building Code 2018
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ROOF FRAMING PLAN
ELEV "A", "B", & "C"

SCALE
24"X36" = 1/4"=1'-0"
11"X17" = 1/8"=1'-0"

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Roof Framing

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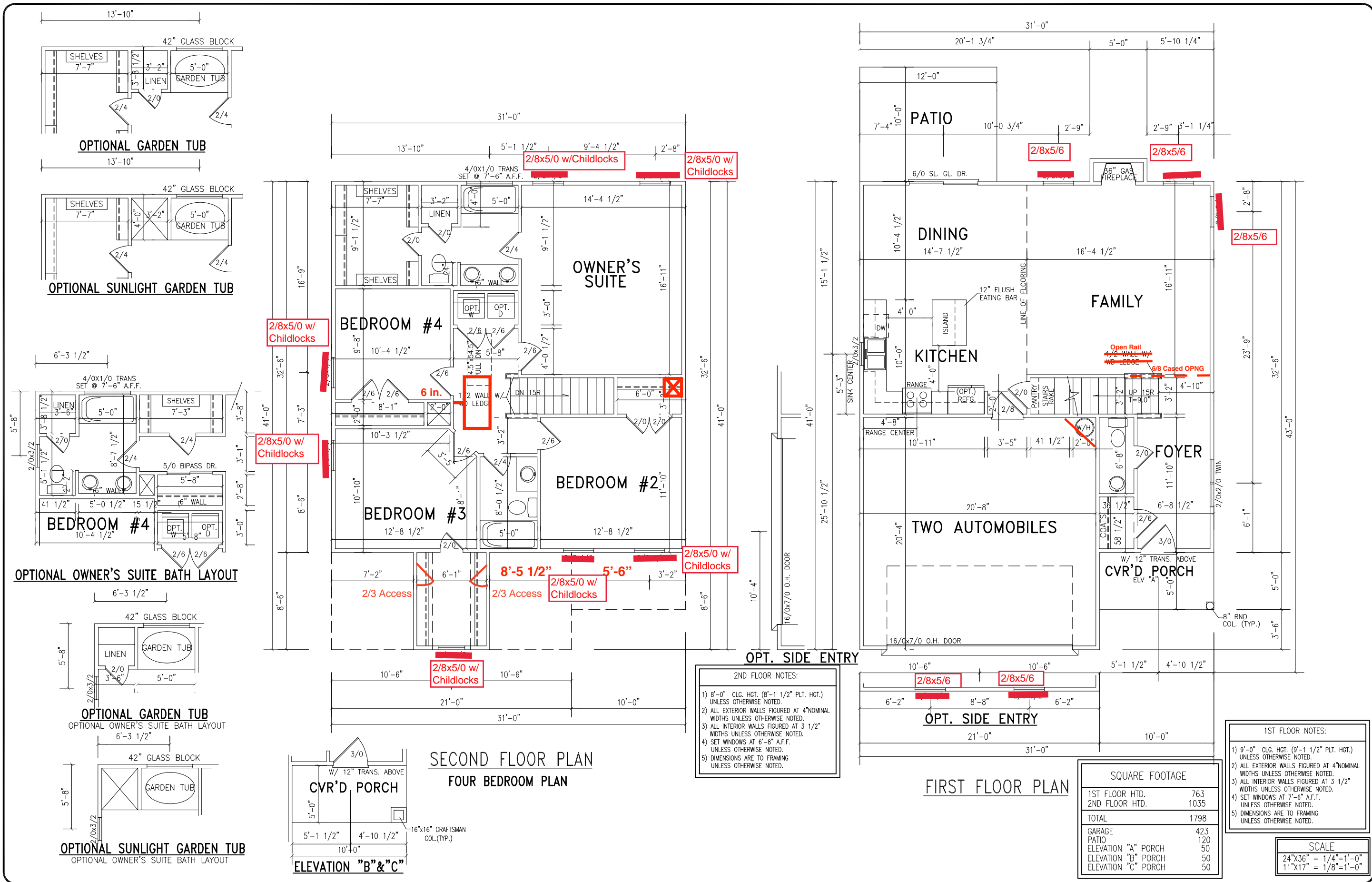
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DATE
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4



2ND FLOOR NOTES:

- 1) 8'-0" CLG. HGT. (8'-1 1/2" PLT. HGT.) UNLESS OTHERWISE NOTED.
- 2) ALL EXTERIOR WALLS FIGURED AT 4" NOMINAL WIDTHS UNLESS OTHERWISE NOTED.
- 3) ALL INTERIOR WALLS FIGURED AT 3 1/2" WIDTHS UNLESS OTHERWISE NOTED.
- 4) SET WINDOWS AT 7'-6" A.F.F. UNLESS OTHERWISE NOTED.
- 5) DIMENSIONS ARE TO FRAMING UNLESS OTHERWISE NOTED.

1ST FLOOR NOTES:

- 1) 9'-0" CLG. HGT. (9'-1 1/2" PLT. HGT.) UNLESS OTHERWISE NOTED.
- 2) ALL EXTERIOR WALLS FIGURED AT 4" NOMINAL WIDTHS UNLESS OTHERWISE NOTED.
- 3) ALL INTERIOR WALLS FIGURED AT 3 1/2" WIDTHS UNLESS OTHERWISE NOTED.
- 4) SET WINDOWS AT 7'-6" A.F.F. UNLESS OTHERWISE NOTED.
- 5) DIMENSIONS ARE TO FRAMING UNLESS OTHERWISE NOTED.

SQUARE FOOTAGE	
1ST FLOOR HTD.	763
2ND FLOOR HTD.	1035
TOTAL	1798
GARAGE	423
PATIO	120
ELEVATION "A" PORCH	50
ELEVATION "B" PORCH	50
ELEVATION "C" PORCH	50

SCALE
 24"x36" = 1/4"=1'-0"
 11"x17" = 1/8"=1'-0"

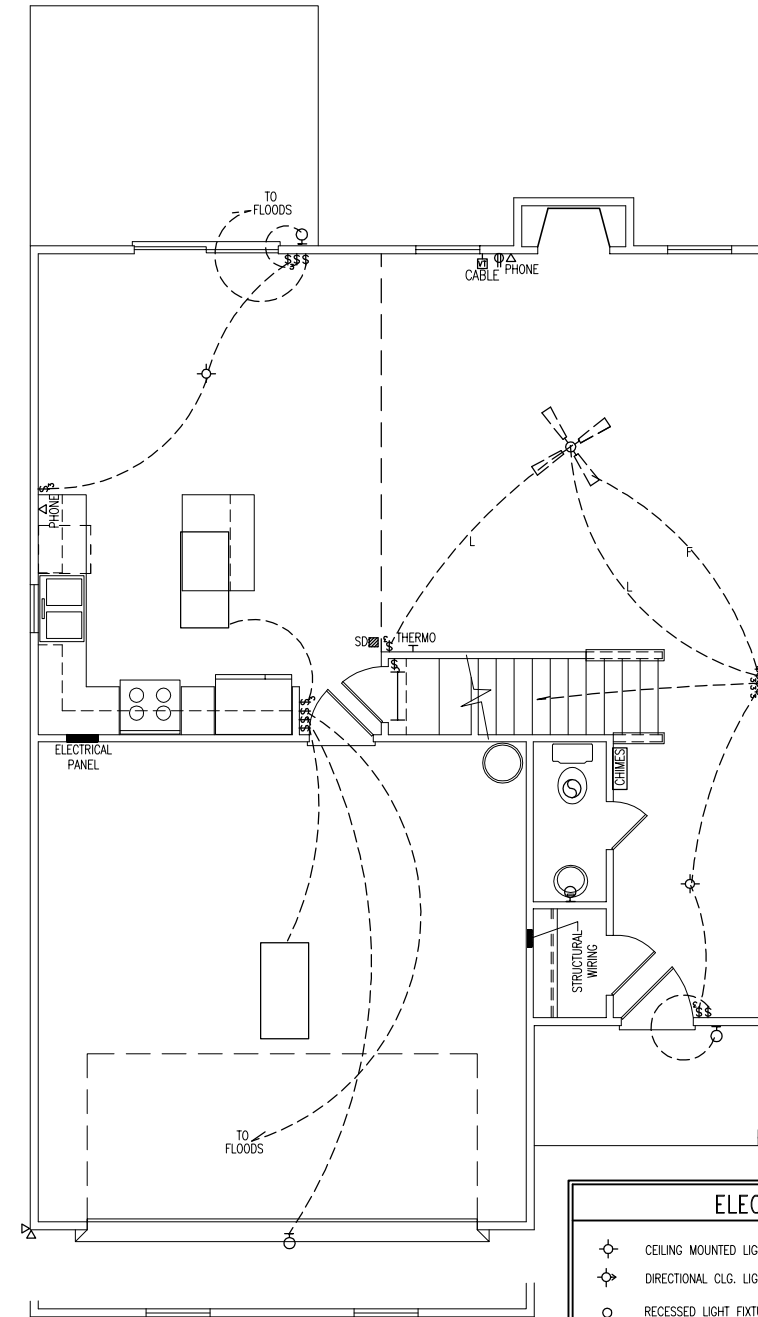
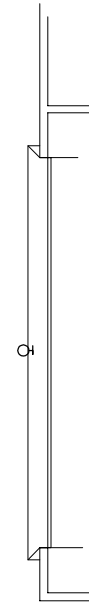
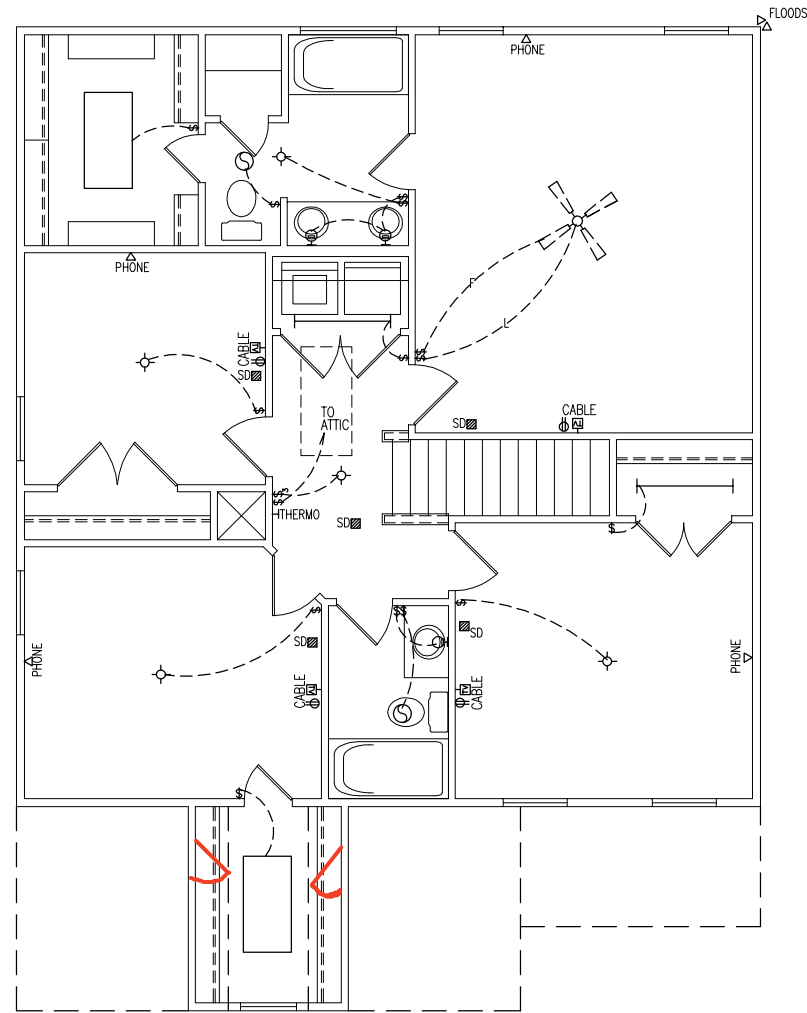
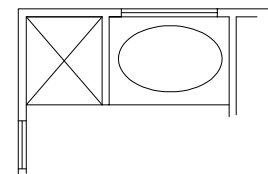
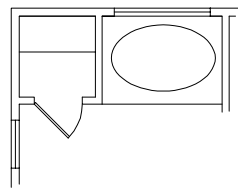
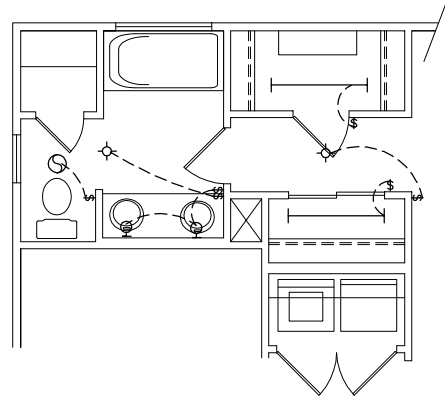
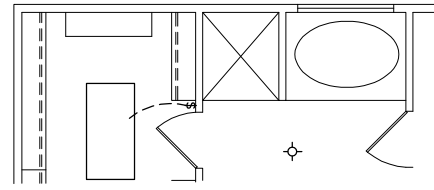
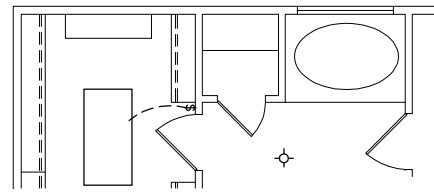
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 314 EAST MAIN STREET
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ELECTRICAL SYMBOLS			
	CEILING MOUNTED LIGHT FIXTURE		SINGLE RECEPTACLE OUTLET
	DIRECTIONAL CLG. LIGHT FIXTURE		DUPLEX RECEPTACLE OUTLET
	RECESSED LIGHT FIXTURE		QUADRUPLEX RECEPTACLE OUTLET
	WALL MOUNTED LIGHT FIXTURE		FLOOR OUTLET
	EXTERIOR FLOOD LIGHT		DUPLEX RECEPTACLE OUTLET SPLIT USED
	TRACK LIGHT FIXTURE		220 VOLT OUTLET
	CHIMES		WATER PROOF OUTLET
	SINGLE POLE WALL SWITCH		TELEPHONE OUTLET
	3-WAY POLE WALL SWITCH		TV OUTLET
	FOUR-WAY SWITCH		GROUND FAULT INTERCEPTOR
	GROUND FAULT INTERCEPTOR		RECESSED LIGHT FIXTURE ANGLE CUT
	WATER PROOF SWITCH		PULL CHAIN LIGHT FIXTURE
	DIMMER SWITCH		FLUORESCENT LIGHT BOX
	TIMER SWITCH		CEILING FAN
	FLUORESCENT LIGHT		EXHAUST FAN
	ELECTRICAL OUTLET GARAGE DOOR OPENER		SMOKE DETECTOR
	HANGING LIGHT FIXTURE		EXHAUST FAN/LIGHT
	CEILING FAN/LIGHT		SHOWER LIGHT

ELECTRICAL PLANS

NOTE:
 (1) ALL RECEPTACLE PLACEMENT TO CODE.
 (2) PLEASE NOTE RECEPTACLE PLACEMENT PER FSC.

REVISIONS:

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Electrical
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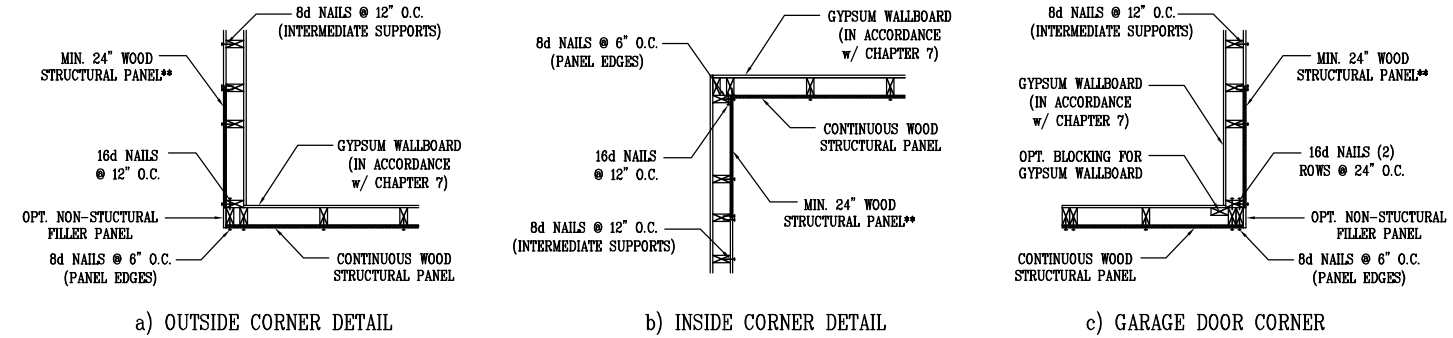
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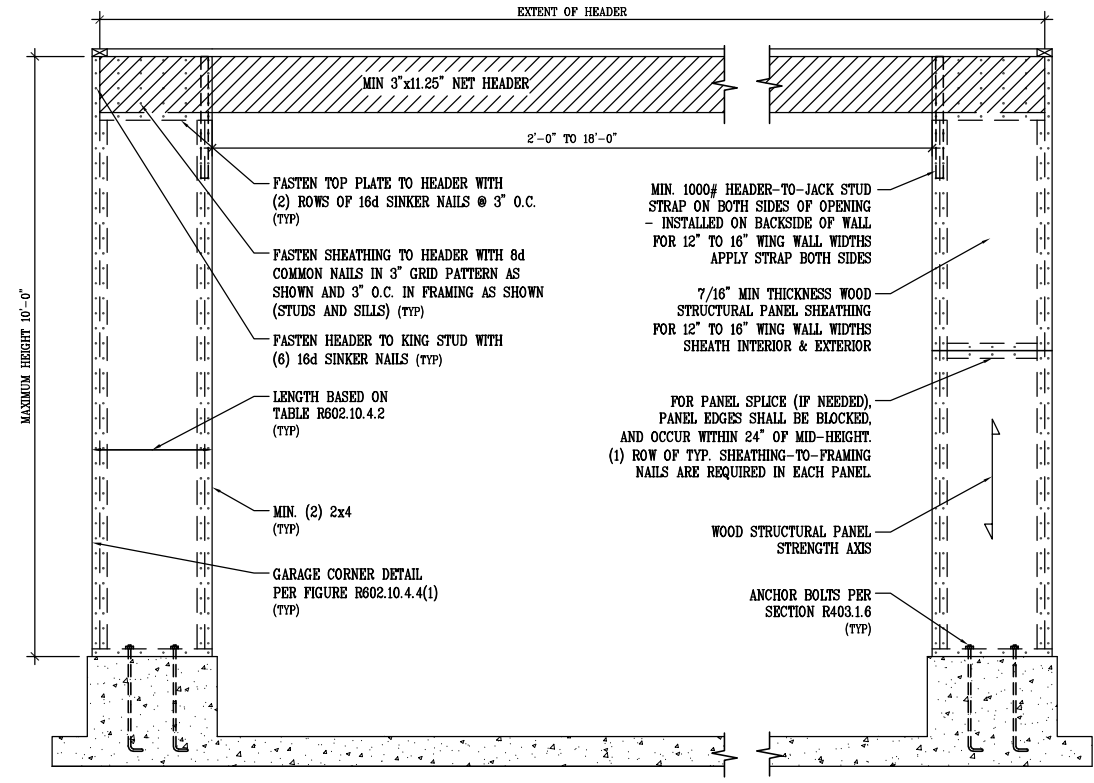
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** IN LIEU OF THE CORNER RETURN, A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800# SHALL BE FASTENED TO THE CORNER STUD AND TO THE FOUNDATION OR FRAMING BELOW.

B1: TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING
FIGURE R602.10.4.4(1) - NO SCALE



B2: METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION
FIGURE R602.10.4.1.1 w/ MODIFICATIONS FOR 12" TO 16" WING WALLS - NO SCALE

STRUCTURAL SHEATHING NOTES

- DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 120 MPH OR LESS.
- WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10 OF THE 2018 NRC.
- BRACING REQUIREMENTS SHALL BE PER TABLE R602.10.3. REFER TO SECTION R602.10.4 FOR LOAD PATH DETAILS INCLUDING CONNECTIONS & SUPPORT OF BRACED WALL PANELS.
 - REFERENCE FIGURE R602.10.4.3 OF THE 2018 NRC.
- INTERIOR BRACED WALL PANELS (BWP) INDICATED SHALL BE SHEATHED IN ACCORDANCE WITH THE GB METHOD OR WSP METHOD AS PRESCRIBED IN SECTION R602.10.1 (UNO)
 - 1/2" GYPSUM BOARD (GB) MINIMUM LENGTH OF 8'-0" (ISOLATED PANELS) OR 4'-0" (CONTINUOUS SHEATHING). SECURE w/ 5d COOLER NAILS (OR EQUAL PER TABLE R702.3.5) SPACED @ 7" O.C. AT PANEL EDGES, INCLUDING TOP AND BOTTOM PLATES & 7" O.C. AT INTERMEDIATE SUPPORTS
 - 3/8" WOOD STRUCTURAL PANEL (WSP) SECURE w/ 6d COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS
- EXTERIOR BRACED WALL PANELS (BWP) SHALL BE CONSTRUCTED IN ACCORDANCE WITH CS-WSP METHOD AS PRESCRIBED IN SECTION R602.10.3 (UNO)
- ALL SHEATHABLE SURFACES OF EXTERIOR WALLS (INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS) SHALL BE CONTINUOUSLY SHEATHED WITH WOOD STRUCTURAL PANEL (WSP) SHEATHING WITH A MINIMUM THICKNESS OF 3/8". SHEATHING SHALL BE SECURED WITH MINIMUM 6d COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND SPACED AT 12" O.C. AT INTERMEDIATE SUPPORTS.
- MINIMUM BRACED WALL PANEL LENGTHS WITH CS-WSP METHOD SHALL BE AS FOLLOWS:
 - 24" ADJACENT TO OPENINGS NOT MORE THAN 67% OF WALL HEIGHT
 - 30" ADJACENT TO OPENINGS GREATER THAN 67% AND LESS THAN 85% OF WALL HEIGHT.
 - 48" FOR OPENINGS GREATER THAN 85% OF WALL HEIGHT
- SHEATH INTERIOR & EXTERIOR
- FOR CS-WSP METHOD, A MINIMUM 24" BRACED WALL PANEL CORNER RETURN SHALL BE PROVIDED AT BOTH ENDS OF A BRACED WALL LINE IN ACCORDANCE WITH FIGURE R602.10.3(4). IN LIEU OF A CORNER RETURN, EITHER A MIN. 48" BRACED WALL PANEL SHALL BE PROVIDED AT THE CORNER OR A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800# SHALL BE FASTENED TO THE EDGE OF THE BRACED WALL PANEL CLOSEST TO THE CORNER AND TO THE FOUNDATION OR FRAMING BELOW.
- MINIMUM 800# HOLD-DOWN DEVICE

LENGTH REQUIREMENTS FOR BRACED WALL PANELS WITH CONTINUOUS SHEATHING ^a (INCHES)						
METHOD	ADJACENT CLEAR OPENING HEIGHT (INCHES)	WALL HEIGHT (FEET)				
		8	9	10	11	12
CS-WSP	64	24	27	30	33	36
	68	26	27	30	--	--
	72	28	27	30	--	--
	76	29	30	30	--	--
	80	31	33	30	--	--
	84	35	36	33	--	--
	88	39	39	36	--	--
	92	44	42	39	--	--
	96	48	45	42	--	--
	100	--	48	45	--	--
	104	--	51	48	--	--
	108	--	54	51	--	--
	112	--	--	54	44	--
	116	--	--	57	--	--
120	--	--	60	--	--	
122	--	--	--	--	48	
132	--	--	--	66	--	
144	--	--	--	--	75	
CS-G	≤ 120	24	27	30	--	--
CS-PF	≤ 120	16	18	20	--	--

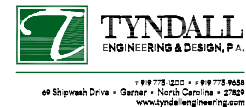
FOR SI: 1 INCH = 25.4 MILLIMETERS, 1 FOOT = 304.8 MILLIMETERS.
a. INTERPOLATION SHALL BE PERMITTED.
b. BRACED WALL PANELS USING (WSP) WOOD STRUCTURAL PANEL SHEATHING ON BOTH SIDES MAY BE USED TO REDUCE THE PANEL LENGTHS SHOWN BY 50 PERCENT.

B3: LENGTH REQUIREMENTS FOR BRACED WALL PANELS
w/ CONTINUOUS SHEATHING - TABLE R602.10.4.2 - NO SCALE

REQUIRED BRACED WALL PANEL CONNECTIONS					
METHOD	MATERIAL	MIN. THICKNESS	REQUIRED CONNECTION		
			@ PANEL EDGES	@ INTERMEDIATE SUPPORTS	
CS-WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS @ 6" O.C.	6d COMMON NAILS @ 12" O.C.	
GB	GYPSUM BOARD	1/2"	5d COOLER NAIL** @ 7" O.C.	5d COOLER NAIL** @ 7" O.C.	
WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS @ 6" O.C.	6d COMMON NAILS @ 12" O.C.	

**OR EQUIVALENT PER TABLE R702.3.5

B4: BRACE WALL PANEL CONNECTIONS
NO SCALE



Project Number: 1901-010030
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