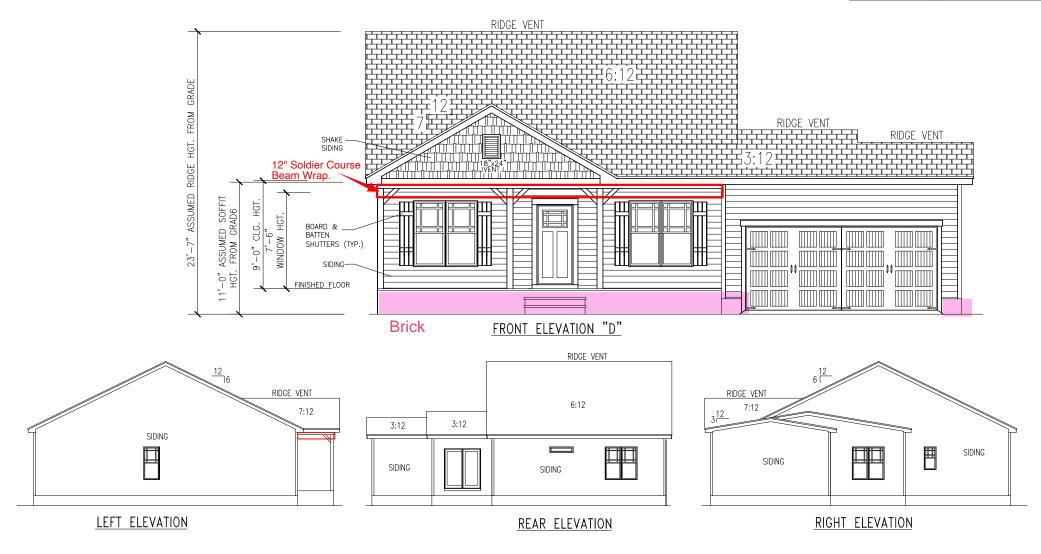


Soffit Hgt. From Assumed Grade	+ High From	nest Ridge Hgt. Assumed Grade	÷ 2	= Mean Roof Hgt.
11'-0"	+	23'-7"	÷ 2	= 17'−3 1/2" Mean Roof Hgt



Mason Landing Lot 12 - 196 Sawyer Mill Drive

REVISIONS:

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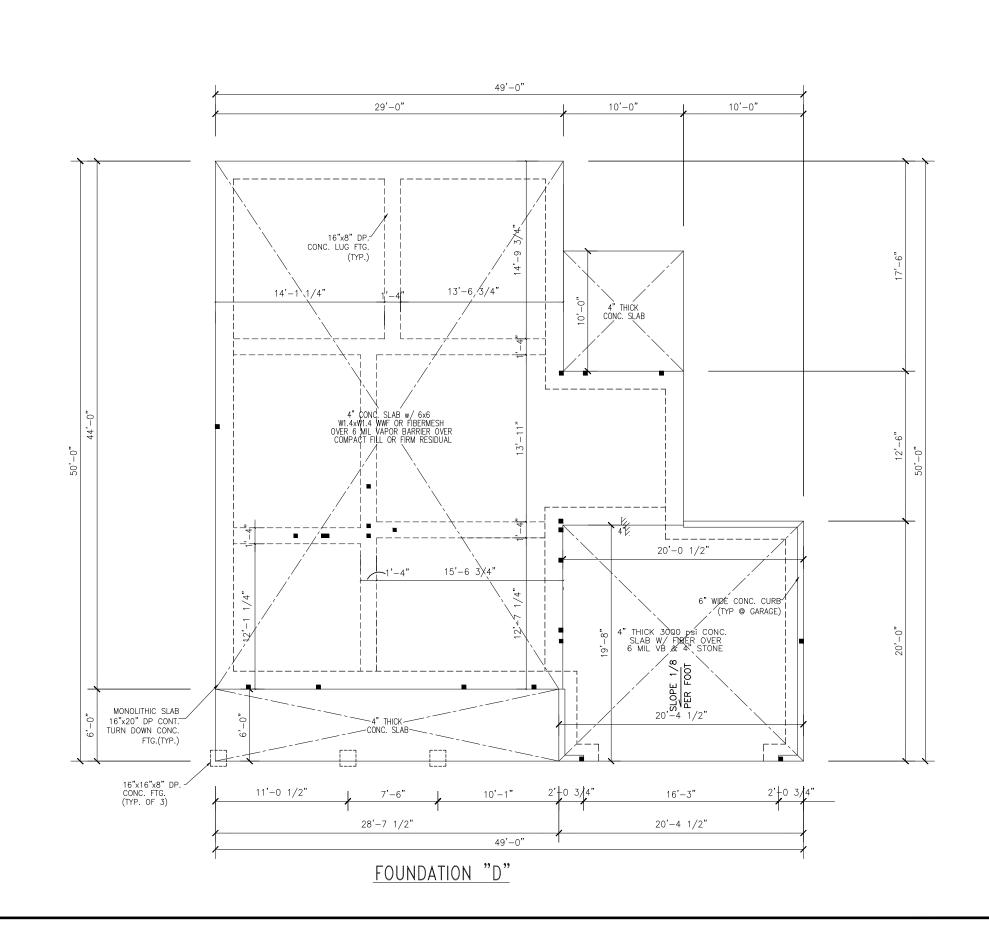


Slab Elevation "D"

Hibernia

DESIGN ADS DRAWN CHECKED

> DATE 10/10/2017 SHEET



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8/15/19

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Monolithic Slab Foundation

Hibernia

DESIGN ADS DRAWN ADS

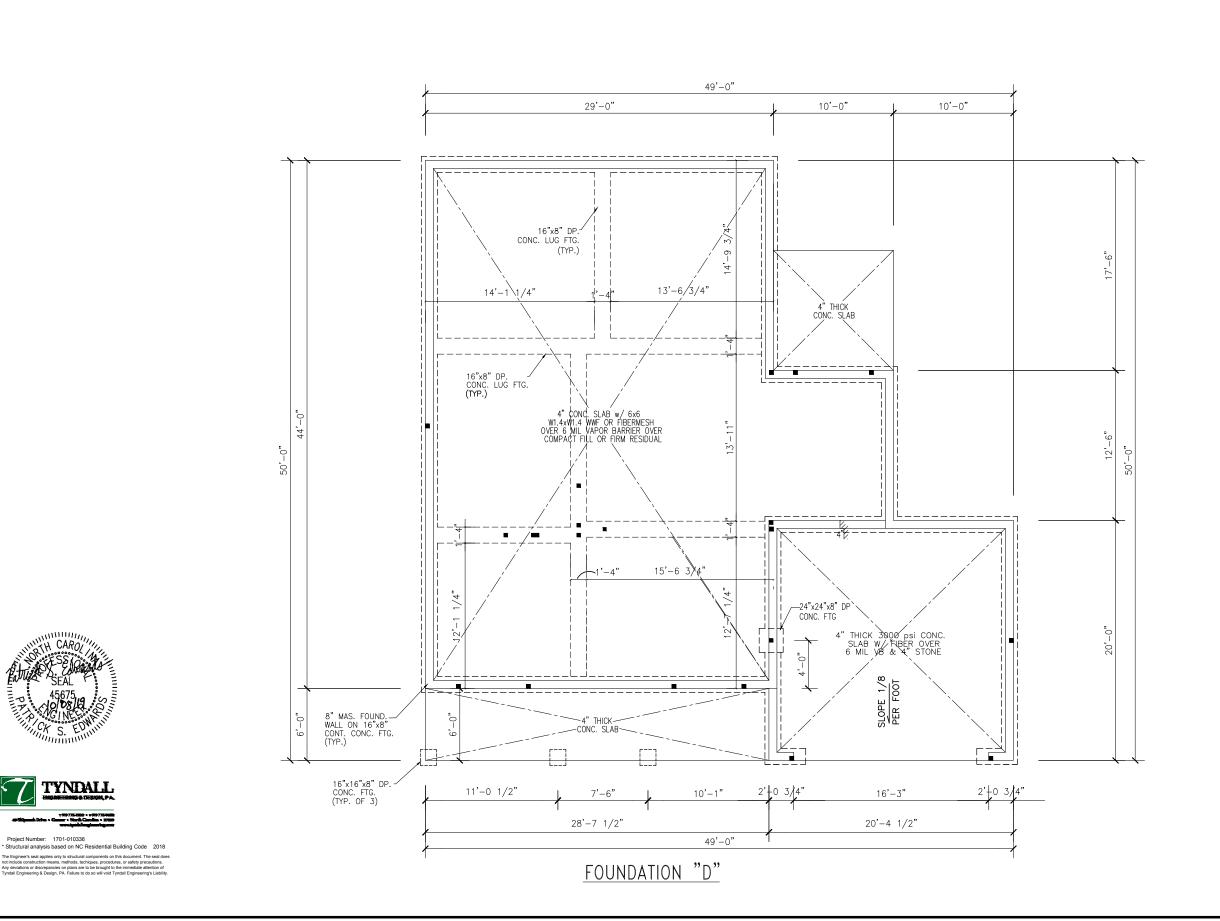
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DATE 10/10/2017 SHEET 2

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







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Stem Wall Foundation Hibernia

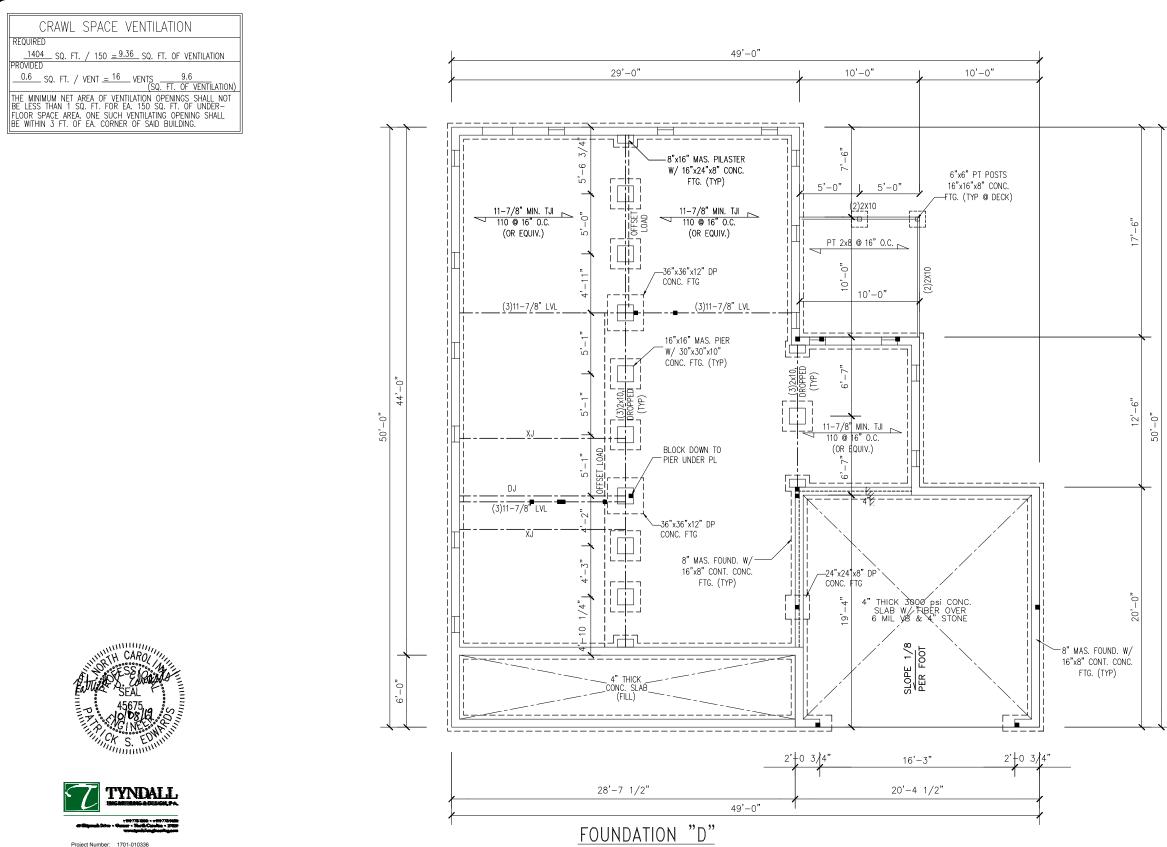
FILE DESIGN

ADS DRAWN ADS CHECKED

10/10/2017 SHEET

2

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



REVISIONS:

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Crawlspace Foundation

FILE

DESIGN ADS DRAWN ADS

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10/10/2017 SHEET

SCALE 24"X36" = 1/4"=1'-0" 11"X17" = 1/8"=1'-0" 2

Project Number: 1701-010336 Structural analysis based on NC Residential Building Code 2018 The Engineer's seal applies only to structural components on this document. The seal does not include construction means, methods, techiques, procedures, or safety precautions. Any devisitions or discrepancies on plans are to be to worght to the immediate attention of ryndall Engineering & Design, PA. Faiture to do so will void Tyndall Engineering's Lieblity.

## DESIGN LOADS

		LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION		
			, ,	LL	TL	
- 1	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	40	10	L/360	L/240	
	ROOF	20	10	L/240	L/180	
	ROOF TRUSS	20	20	L/240	L/180	
	WIND LOAD	BASED ON 120 MPH (EXPOSURE B)  BASED ON SEISMIC ZONES A, B & C				
	SEISMIC					

- STRUCTURAL NOTES:

  1) ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF "NORTH CAROLINA STATE 2018 RESUDENTIAL BULLIONG CODE", IN ADDITION TO ALL LOCAL CODES AND REGULATIONS.

  2) IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND SQUARE FOOTAGE PRIOR TO CONSTRUCTION. TYNDALL ENGINEERING & DESIGN, PA IS NOT RESPONSIBLE FOR DIMENSIONS AND SOUARE FOOTAGE ERRORS ONCE CONSTRUCTION BESIDES STATES OF THE STATES OF THE STATES ON THE STATES OF THE STATES OF

- WINDOW HEIGHT IS 6'-8", MINIMUM BOTTOM OF INE. WINDOW HEIGHT IS 1'-6", OTHERWISE REFER TO TABLES ROD2,7(1) & R602.7.5.

  ALL INTERIOR LOAD BEARING HEADERS TO BE (2) 2×10 (U.N.O.) REFER TO TABLE REOZ.7(2) FOR JACK STUD REQUIREMENTS FOR HEADER SPANS FOR INTERIOR AND EXTERIOR LOAD CONDITIONS (UWO)

  EXTERIOR LOAD CONDITIONS (UWO)

  EXTERIOR LOAD CONDITIONS (UWO)

  EXTERIOR LOAD CONDITIONS (UWO)

  ALL EXTERIOR LUADER SPANS FOR INTERIOR RADE FOR REFER TO 2009 AND END ALL EXTENDED HEADER SPANS (USE)

  ALL EXTERIOR LUMBER TO BE #Z SYP PT

  ALL CONCRETE, fc = 3000 PSI MIN.

  PRESUMPTIVE BEARING CAPACITY = 2000 PSF

  ALL CONCRETE, fc = 3000 PSI MIN.

  PRESUMPTIVE BEARING CAPACITY = 2000 PSF

  ALL CONCRETE, fc = 3000 PSI MIN.

  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 BOLTS SHALL BE SPACED AT 3'-0" O.C. FOR BASEMENTS. ANCHOR BOLTS SHALL BE SPACED AT 3'-0" O.C. FOR BASEMENTS. ANCHOR BOLT SHALL BE SPACED AT 3'-0" O.C. FOR BASEMENTS. ANCHOR BOLT SHALL BE SPACED AT 3'-0" O.C. FOR BASEMENTS. ANCHOR BOLT SHALL BE SPACED AT THE ALTERNER. CONNECTION AT TOP AND BOTTOM OF POPPOH COLUMNS. (U.N.O.)

  PROVIDE CANINUOUS SHALTHING PER SECTION 602.10.4 OF THE 2018 IRC.

  MAXIMUM MASONRY PIER HEIGHT SHALL NOT EXCED FOUR TIMES ITS LEAST HORIZONTAL DIMENSION.

  UPLIET LOADS GREATER THAN 5009 SHALL BE
  CONTINUOUSLY ANCHORED TO THE FOUNDATION.

## STRUCTURAL SHEATHING NOTES

- DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 120 MPH OR LESS.
- 120 MPH OR LESS.

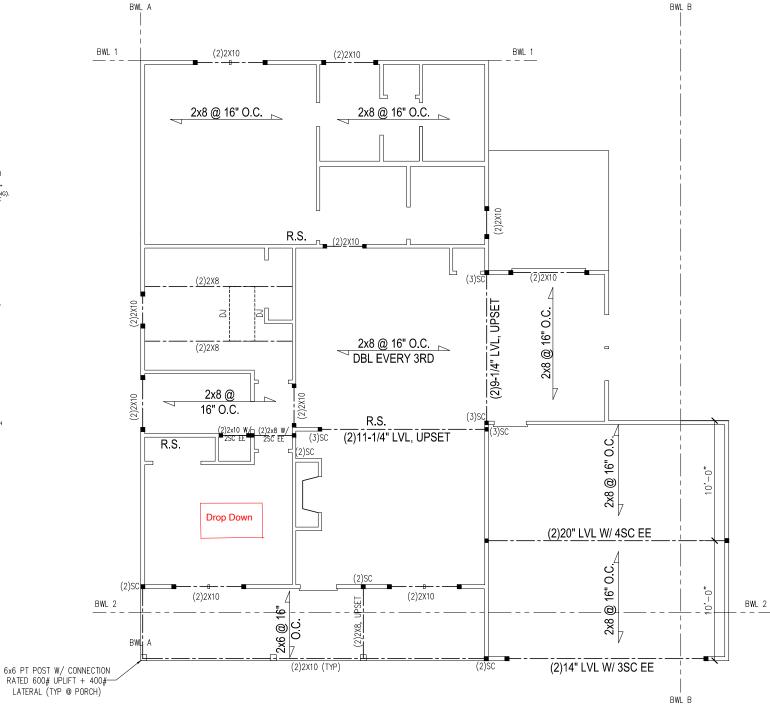
  2) WALLS SHALE BRACED IN ACCORDANCE WITH SECTION RE02.10 OF THE 2016 NCRC.

  3) BRACING REQUIREMENTS SHALL BE PER TABLE RE02.10.3. REFER TO SECTION RE02.10.4 FOR LOAD PATH DETAILS INCLIDING CONNECTIONS & SUPPORT OF BRACED WALL PARLES.
- 1 REFERENCE FIGURE R602.10.4.3 OF THE 2018 NCRC.
- 4) 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)
- (2) 1/2" GYPSUM BOARD (GB) MINIMUM LENGTH OF 8'-0" (ISOLATED PANELS) OR 4'-0" (CONTINUOUS SHEATHING). SECURE W/5 GCOLARE 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) 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
- AT INTERMEDATE SUPPORTS

  5 EXTERIOR BRACED WALL PANELS (BWP) SHALL BE
  CONSTRUCTED IN ACCORDANCE WITH CS—WSP METHOD AS
  PRESCRIBED IN SECTION REQ2.10.3 (UNIV MALLS
  PRESCRIBED IN SECTION REQ2.10.3 (UNIV MALLS
  (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 OF COMMON NALLS SPACED AT 6"
  OC. AT PANEL EDDES AND SPACED AT 12" O.C. AT
  INTERMEDIATE SUPPORTS.
- 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 OREATER THAN
  67% AND LESS THAN 85% OF WALL HEIGHT.
   48" FOR OPENINGS GREATER THAN 85% OF
  WALL HEIGHT.
- 4 SHEATH INTERIOR & EXTERIOR
- 8) FOR CS-WSP METHOD, A MINIMUM 24" BRACED WALL PANEL CORNER RETURN SHALL BE PROVIDED AT BOTH ENDS OF A BRACED WALL LINE NA 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 DEWICE WITH A MINIMUM PUPIFT 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.
- (5) MINIMUM 800# HOLD-DOWN DEVICE



BRACING PANEL LENGTHS REQUIRED: BWL A = 6.2 FT BWL B = 6.3 FT BWL 1 = 6.3 FT BWL 2 = 6.3 FT



Project Number: 1701-010336

\* Structural analysis based on NC Residential Building Code 2018

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ELEVATION "D"

SCALE 24"X36" = 1/4"=1'-0" 11"X17" = 1/8"=1'-0" REVISIONS: 8/15/19

CLUB BL, NC 27527 335 ATHLETIC ( CLAYTON, N donnie@adamsar 919-763-FIRM # C

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Floor Plan Structurals Elev. "D"

Hibernia

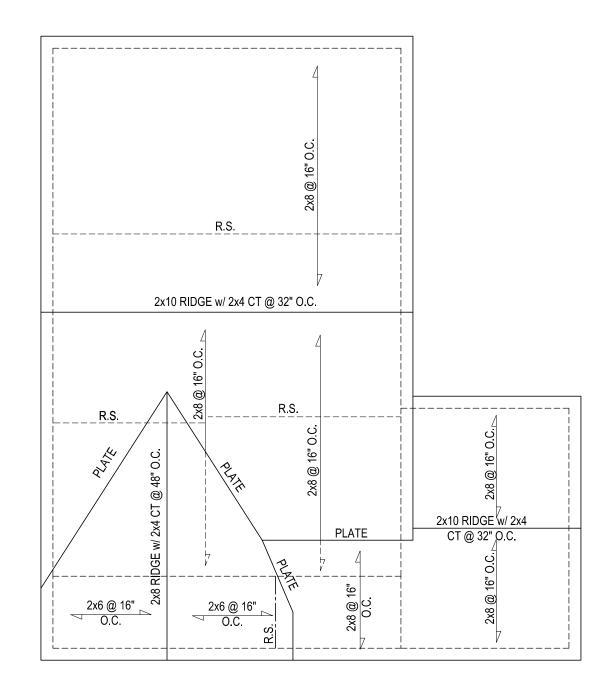
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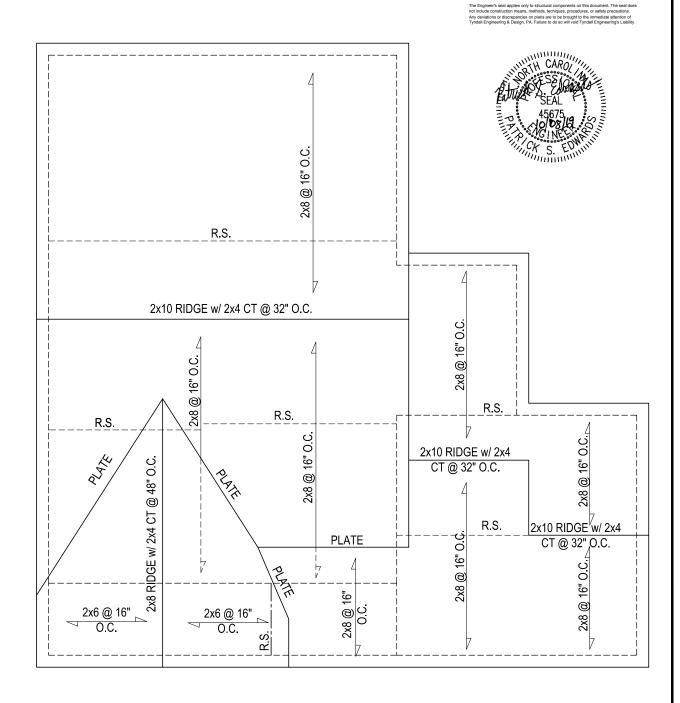
10/10/2017 SHEET 3



- PROVIDE UPLIFT CONNECTION PER MANUF. SPECIFICATIONS
  - RS = ROOF SUPPORT
  - SC = STUD COLUMN



ROOF FRAMING PLAN "C"



ROOF FRAMING PLAN "D"

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

REVISIONS: 8/15/19

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tructural analysis based on NC Residential Building Code 2018

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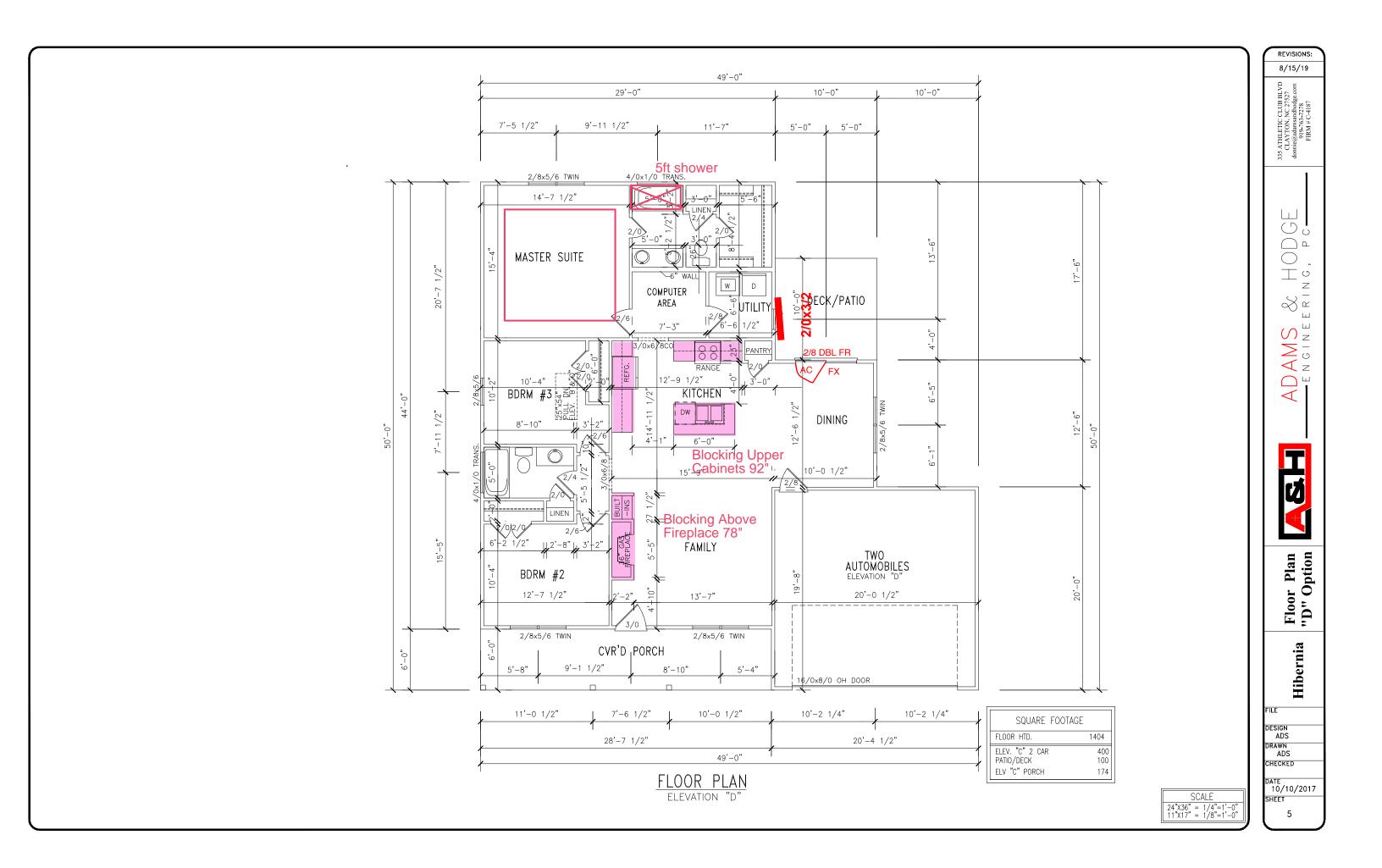
AMS  $\triangleleft$ 

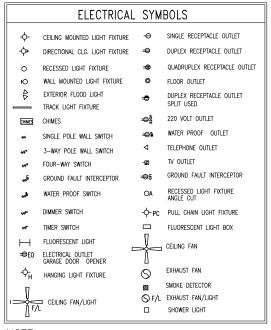
Roof Framing

Hibernia

DESIGN ADS DRAWN ADS CHECKED

DATE 10/10/2017 SHEET





NOTE

(1) ALL RECEPTACLE PLACEMENT TO CODE.

(2) PLEASE NOTE RECEPTACLE PLACEMENT PER BUILDER.





Ceiling Fan

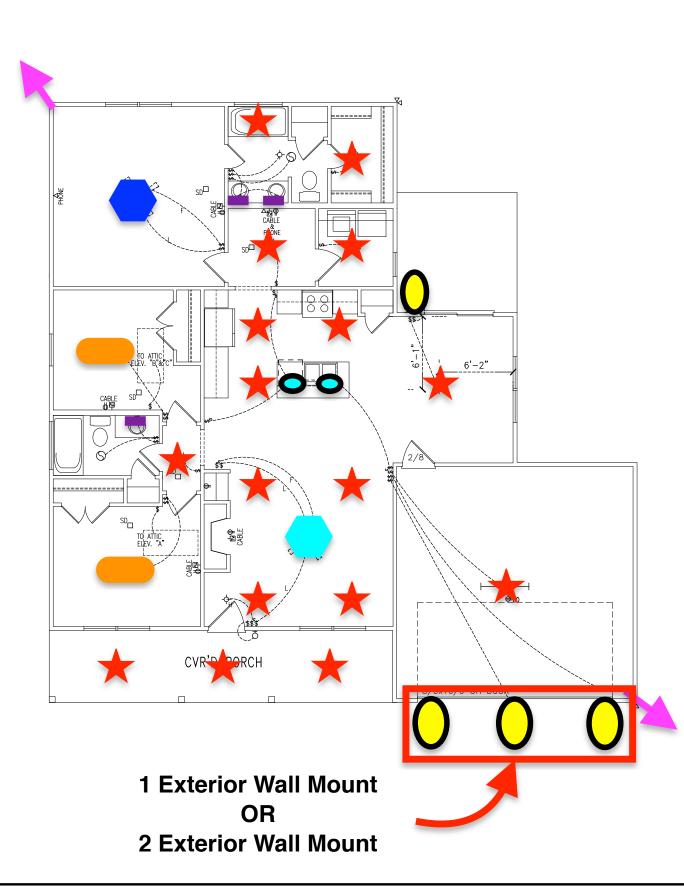
**Ceiling Fan Pre-wire** 

Flush Mounts

Vanity Wall Fixture

Exterior Wall Mount

Flood Light



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ADAMS & HODG -ENGINEERING, PC-



Electricals "D"

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