

RENAISSANCE

RESIDENTIAL DESIGN, INC.
4810 GLENMIST CT. | RALEIGH, NC 27612
(919) 649-4128
WWW.RRDCAROLINA.COM

"The art of transforming your vision into reality."

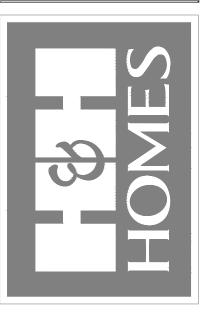
RENAISSANCE RESIDENTIAL DESIGN, INC.
RESERVES THE RIGHT TO MAKE
MODIFICATIONS TO FLOOR PLANS,
DIMENSIONS, MATERIALS, AND
SPECIFICATIONS WITHOUT NOTICE.
THESE DRAWINGS ARE FOR THE
PURPOSE OF CONVEYING AN
ARCHITECTURAL CONCEPT ONLY.

RENAISSANCE RESIDENTIAL DESIGN, INC.
HEREBY EXPRESSLY RESERVES ITS
COMMON LAW COPYRIGHT AND OTHER
PROPERTY RIGHTS IN THESE PLANS.
THESE PLANS AND DRAWINGS ARE NOT
TO BE REPRODUCED, CHANGED, OR
COPIED IN ANY FORM OR MANNER
WITHOUT FIRST OBTAINING THE EXPRESS
WRITTEN CONSENT OF RENAISSANCE
RESIDENTIAL DESIGN, INC. NOR ARE

THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

J.S.THOMPSON ENGINEERING, INC 606 WADE AVE., SUITE 104 RALEIGH, NC 27605 PHONE: (919) 789-9919 FAX: (919) 789-9921

N.C. LICENSE NO.: C-1733



OPTIONS, FLOOR PLANS, ELEVATIONS, DESIGNS, TERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE THOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS ARE ESTIMATED AND MAY VARY IN ACTUAL.

DNSTRUCTION. ACTUAL POSITION OF HOUSE ON LOT L. BE DETERMINED BY THE SITE PLAN AND PLOT PLAN.

DOR PLANS AND ELEVATION RENDERINGS ARE ARTIST ONCEPTIONS. FLOOR PLANS ARE THE COPYRIGHTED ROPERTY OF H&H HOMES. ANY USE, REPRODUCTION, DAPTATION, OR DISPLAY OF THE PLANS IS STRICTLY SOHIBITED. SEE NEW HOME SALES CONSULTANT FOR CURRENT DETAILS. COPYRIGH © 2015 H&H HOMES

H&H HOMES, INC. CEDAR

DATE: OCTOBER 4, 2019

REV.:

SCALE: AS NOTED

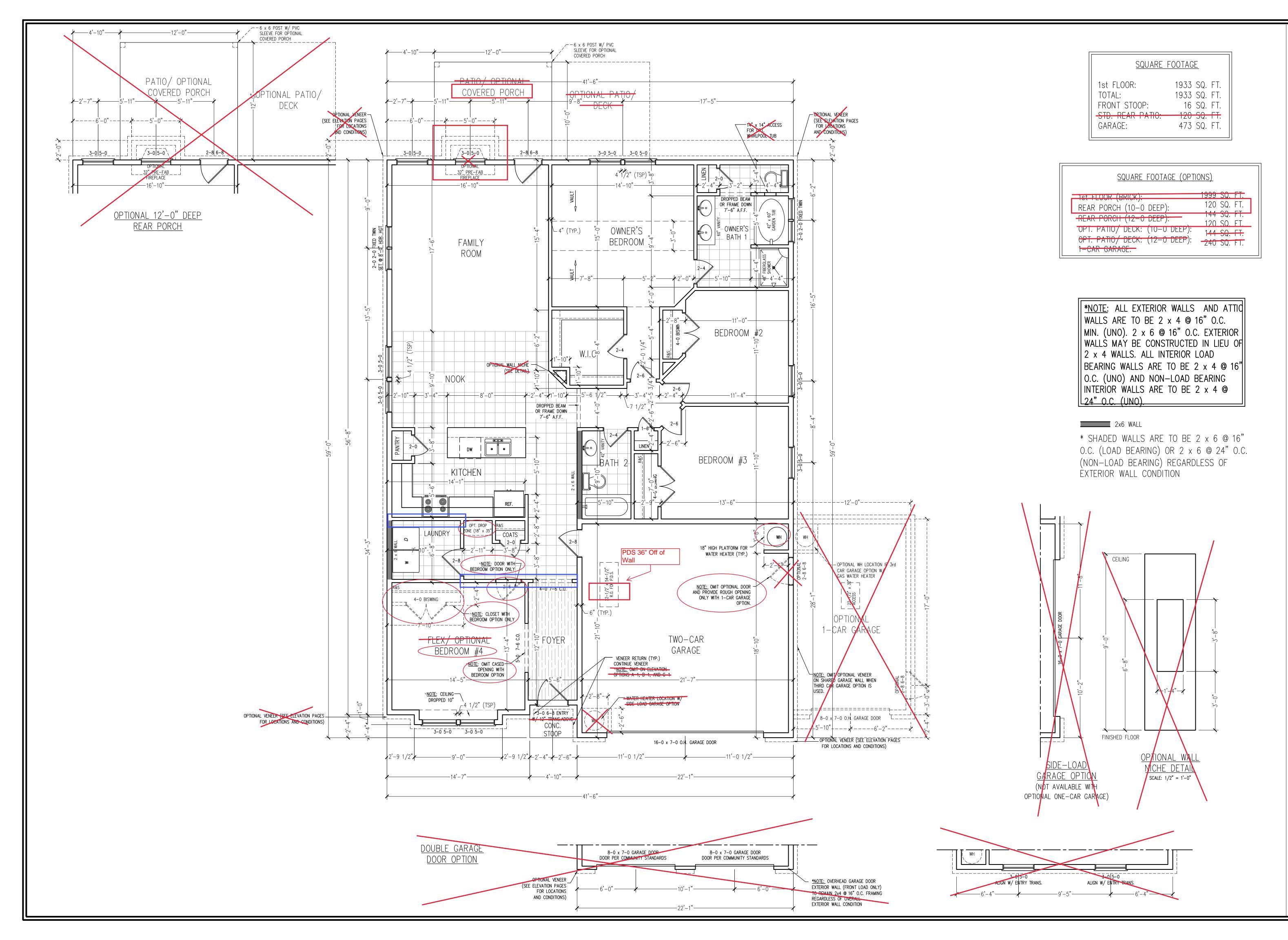
DRAWN BY: WG

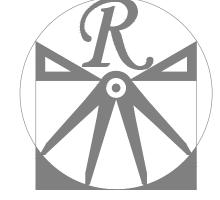
ENGINEERED BY: WLF

REVIEWED BY: JES

A - ELEVATION OPTIONS

A-1.1





RENAISSANCE RESIDENTIAL DESIGN, INC.

4810 GLENMIST CT. | RALEIGH, NC 27612
(919) 649-4128

WWW.RRDCAROLINA.COM

'The art of transforming your vision into reality."

RENAISSANCE RESIDENTIAL DESIGN, INC.
RESERVES THE RIGHT TO MAKE
MODIFICATIONS TO FLOOR PLANS,
DIMENSIONS, MATERIALS, AND
SPECIFICATIONS WITHOUT NOTICE.
THESE DRAWINGS ARE FOR THE
PURPOSE OF CONVEYING AN
ARCHITECTURAL CONCEPT ONLY.

RENAISSANCE RESIDENTIAL DESIGN, INC. HEREBY EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF RENAISSANCE RESIDENTIAL DESIGN, INC. NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

J.S.THOMPSON ENGINEERING, INC 606 WADE AVE., SUITE 104 RALEIGH, NC 27605 PHONE: (919) 789-9919 FAX: (919) 789-9921 N.C. LICENSE NO.: C-1733



OPTIONS, FLOOR PLANS, ELEVATIONS, DESIGNS, TERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE THOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS ARE ESTIMATED AND MAY VARY IN ACTUAL.

DNSTRUCTION. ACTUAL POSITION OF HOUSE ON LOT L. BE DETERMINED BY THE SITE PLAN AND PLOT PLAN. ONE PLANS AND ELEVATION RENDERINGS ARE ARTIST ONCEPTIONS. FLOOR PLANS ARE THE COPYRIGHTED GOPERTY OF H&H HOMES. ANY USE, REPRODUCTION, DAPTATION, OR DISPLAY OF THE PLANS IS STRICTLY COHIBITED. SEE NEW HOME SALES CONSULTANT FOR CURRENT DETAILS. COPYRIGH © 2015 H&H HOMES

H&H HOMES, INC CEDAR

DATE: OCTOBER 4, 2019

REV.:

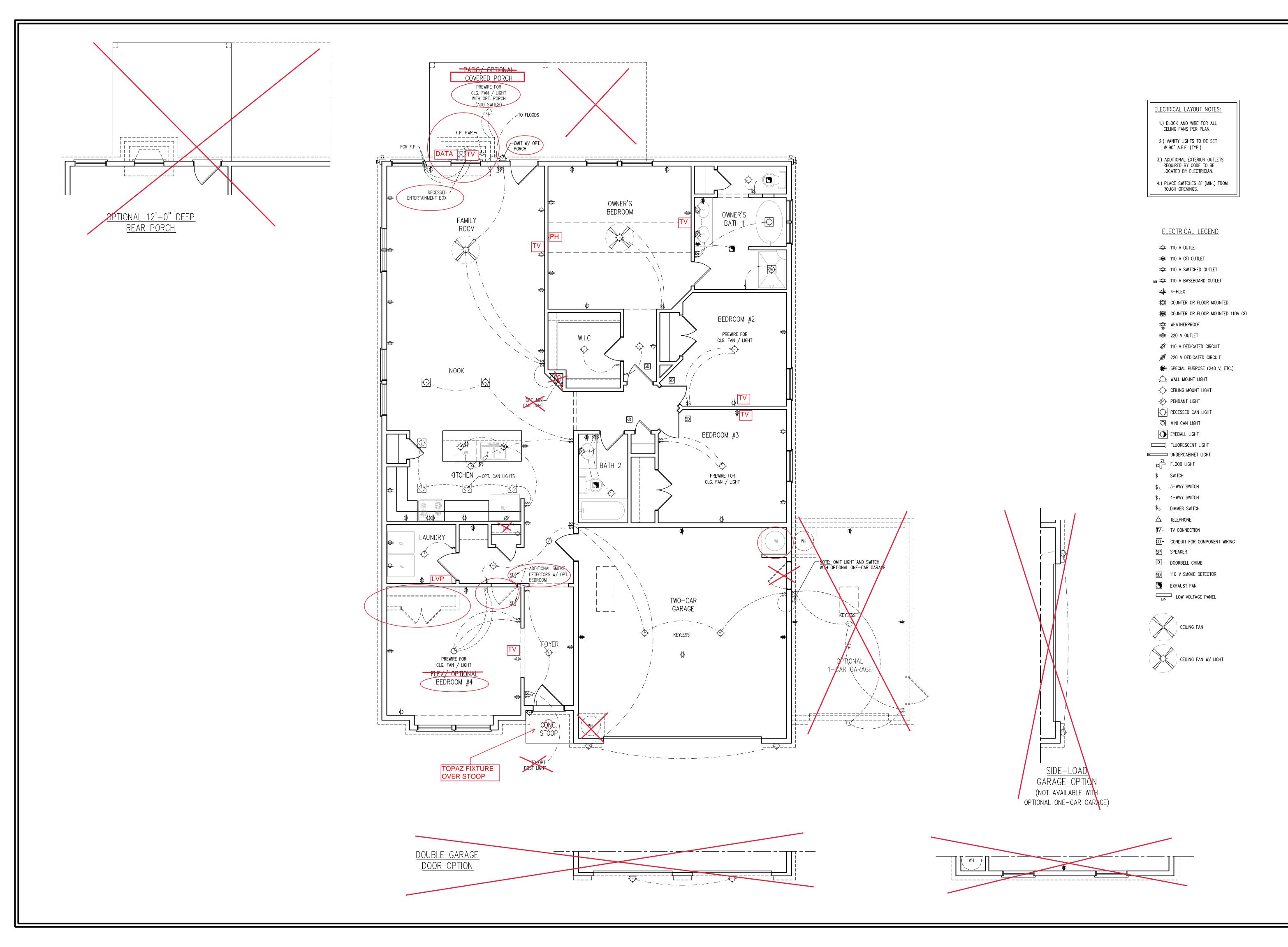
SCALE: 1/4"=1'-0"

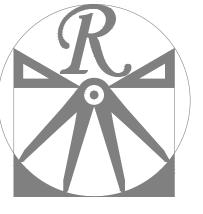
DRAWN BY: WG

ENGINEERED BY: WLF
REVIEWED BY: JES

FIRST FLOOR PLAN

A-4





RENAISSANCE

RESIDENTIAL DESIGN, INC.
4810 GLENMIST CT. | RALEIGH, NC 27612
(919) 649-4128
WWW.RRDCAROLINA.COM

"The art of transforming your vision into reality."

RENAISSANCE RESIDENTIAL DESIGN, INC.
RESERVES THE RIGHT TO MAKE
MODIFICATIONS TO FLOOR PLANS,
DIMENSIONS, MATERIALS, AND
SPECIFICATIONS WITHOUT NOTICE.
THESE DRAWINGS ARE FOR THE
PURPOSE OF CONVEYING AN

ARCHITECTURAL CONCEPT ONLY.

RENAISSANCE RESIDENTIAL DESIGN, INC. HEREBY EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF RENAISSANCE RESIDENTIAL DESIGN, INC. NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

J.S.THOMPSON ENGINEERING, INC 606 WADE AVE., SUITE 104 RALEIGH, NC 27605 PHONE: (919) 789-9919 FAX: (919) 789-9921

N.C. LICENSE NO.: C-1733



INONS, FLUCH PLANS, ELEVATIONS, DESIGNS, IALCONN PLANS, INC.S AND DIMENSIONS ARE SUBJECT TO CHANGE UT NOTICE. SQUARE FOOTAGE AND DIMENSIONS ARE ESTIMATED AND MAY VARY IN ACTUAL FRUCTION. ACTUAL POSITION OF HOUSE ON LOT PLANS AND ELEVATION RENDERINGS ARE ARTIST EPTIONS. FLOOR PLANS ARE THE COPYRIGHTED ERTY OF H&H HOMES. ANY USE, REPRODUCTION, TATION, OR DISPLAY OF THE PLANS IS STRICTLY BITED. SEE NEW HOME SALES CONSULTANT FOR RENT DETAILS, COPYRIGH @ 2015 H&H HOMES

H&H HOMES, INC. CEDAR

DATE: OCTOBER 4, 2019

REV.:

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

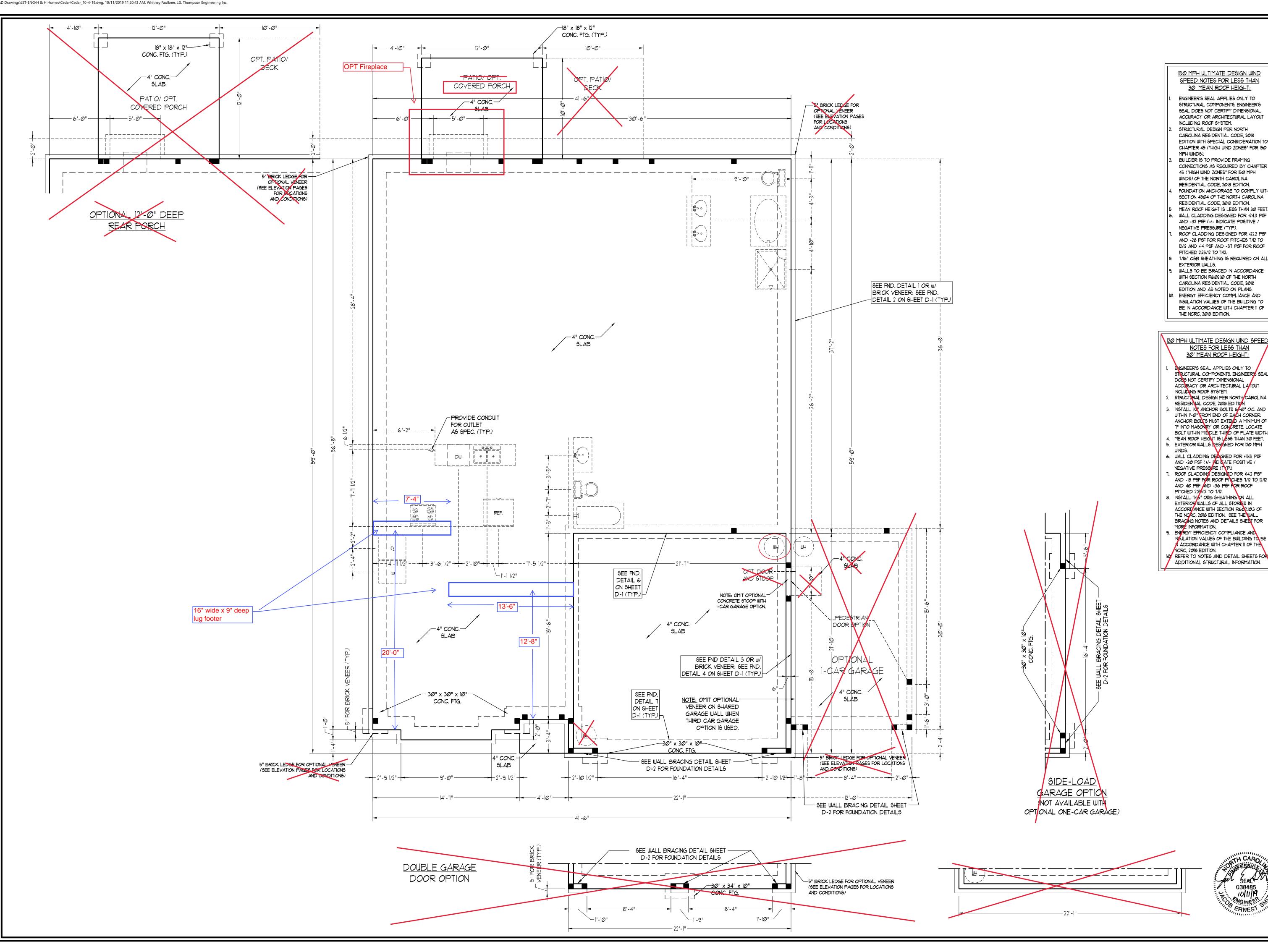
DRAWN BY: WG

ENGINEERED BY: WLF

REVIEWED BY: JES
FIRST FLOOR

ELECTRICAL

PLAN T. 1



150 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL
- ACCURACY OR ARCHITECTURAL LAYOUT STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION WITH SPECIAL CONSIDERATION TO
- BUILDER IS TO PROVIDE FRAMING CONNECTIONS AS REQUIRED BY CHAPTER 45 ("HIGH WIND ZONES" FOR 150 MPH WINDS) OF THE NORTH CAROLINA
- RESIDENTIAL CODE, 2018 EDITION. FOUNDATION ANCHORAGE TO COMPLY WITH SECTION 45/04 OF THE NORTH CAROLINA
- MEAN ROOF HEIGHT IS LESS THAN 30 FEET. WALL CLADDING DESIGNED FOR +24.3 PSF AND -32 PSF (+/- INDICATE POSITIVE /
- ROOF CLADDING DESIGNED FOR +22.2 PSF AND -28 PSF FOR ROOF PITCHES 1/12 TO 12/12 AND +14 PSF AND -57 PSF FOR ROOF
- 1/16" OSB SHEATHING IS REQUIRED ON ALL
- WALLS TO BE BRACED IN ACCORDANCE WITH SECTION R602.10 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018
- INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF

120 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN

- STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LA FOUT
- . INSTALL 1/2" ANCHOR BOLTS 6/-0" O.C. AND WITHIN 1'-0" FROM END OF EACH CORNER ANCHOR BOLTS MUST EXTEND A MINIMUM OF 1" INTO MASONRY OR CONCRETE. LOCATE BOLT WITHIN MIDDLE THIFTO OF PLATE WIDTH.
- 4. MEAN ROOF HEIGHT IS LESS THAN 30 FEET. 5. EXTERIOR WALLS DESIGNED FOR 120 MPH
- AND -20 PSF (+/- INDICATE POSITIVE /
- ROOF CLADDING DESIGNED FOR +14.2 PSF AND -18 PSF FOR ROOF PINCHES 1/12 TO 12/12 AND +10 PSF AND -36 PSF POR ROOF
- PITCHED 225/12 TO 1/12. INSTALL 1/16" OSB SHEATHING ON ALL EXTERIOR WALLS OF ALL STORIES IN ACCORDANCE WITH SECTION R602.10.3 OF
- ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE

REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

RENAISSANCE

RESIDENTIAL DESIGN, INC. 4810 GLENMIST CT. | RALEIGH, NC 27612 (919) 649-4128

WWW.RRDCAROLINA.COM 'The art of transforming your vision into re ality."

RENAISSANCE RESIDENTIAL DESIGN, INC. MODIFICATIONS TO FLOOR PLANS, DIMENSIONS, MATERIALS, AND SPECIFICATIONS WITHOUT NOTICE

PURPOSE OF CONVEYING AN ARCHITECTURAL CONCEPT ONLY. RENAISSANCE RESIDENTIAL DESIGN, INC. HEREBY EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS.

THESE DRAWINGS ARE FOR THE

THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF RENAISSANCE RESIDENTIAL DESIGN, INC. NOR ARE

THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

J.S.THOMPSON ENGINEERING. INC 606 WADE AVE., SUITE 104 RALEIGH, NC 27605 PHONE: (919) 789-9919 FAX: (919) 789-9921

N.C. LICENSE NO.: C-1733



H&H | CEDA

DATE: OCTOBER 4, 2019

REV.:

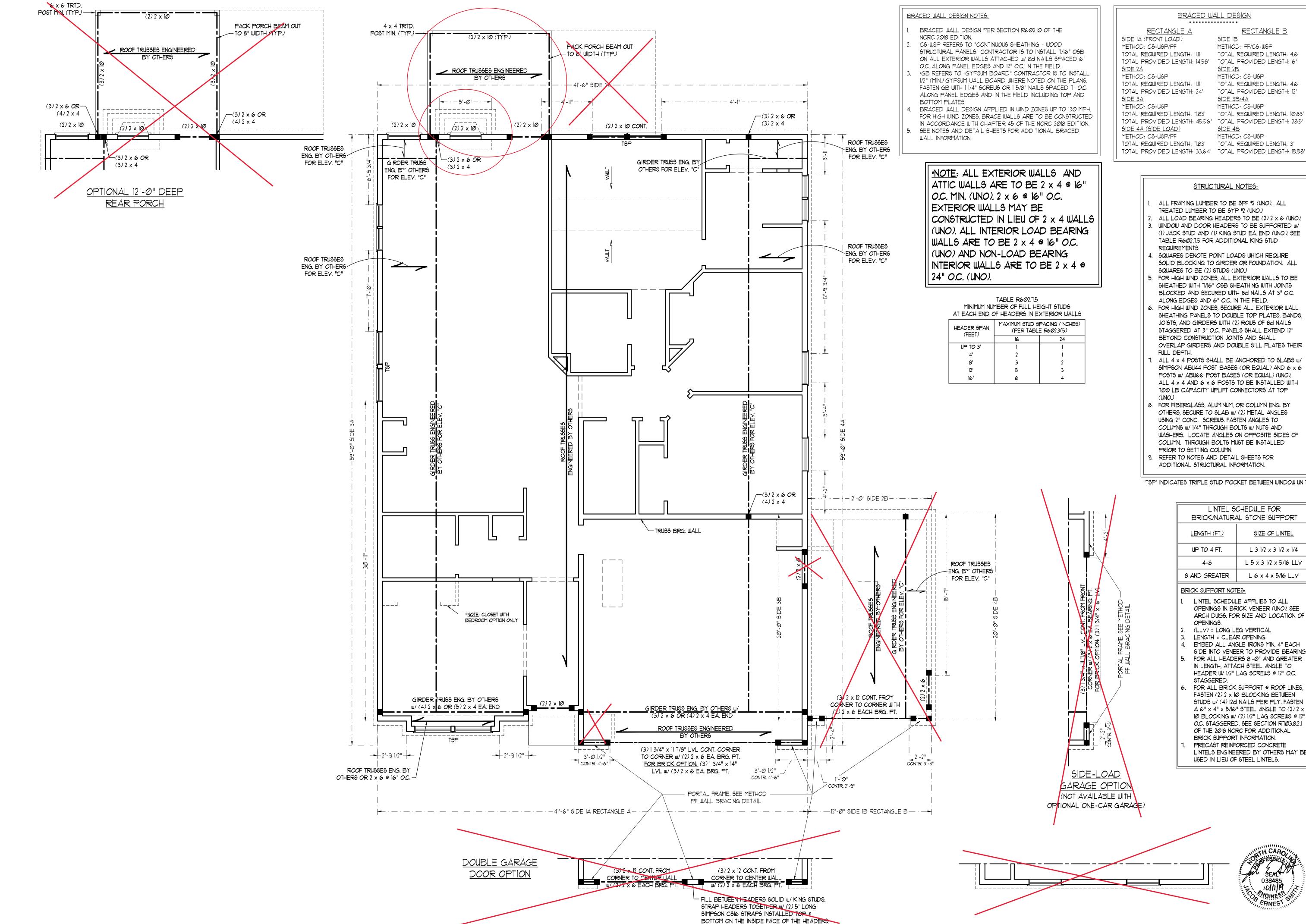
SCALE: 1/4"=1'-0" DRAWN BY: WG

REVIEWED BY: JES

ENGINEERED BY: WFB

MONO SLAB FOUNDATION

PLAN



BRACED WALL DESIGN

SIDE IB

METHOD: PF/CS-WSP

METHOD: CS-WSP

METHOD: CS-WSP

METHOD: CS-WSP

<u>SIDE 3B/4A</u>

SIDE 4B

RECTANGLE B

TOTAL REQUIRED LENGTH: 4.6'

TOTAL PROVIDED LENGTH: 6'

TOTAL REQUIRED LENGTH: 4.6'

TOTAL PROVIDED LENGTH: 12'

FOR FIBERGLASS, ALUMINUM, OR COLUMN ENG. BY OTHERS, SECURE TO SLAB w/ (2) METAL ANGLES USING 2" CONC. SCREWS. FASTEN ANGLES TO COLUMNS W/ 1/4" THROUGH BOLTS W/ NUTS AND WASHERS. LOCATE ANGLES ON OPPOSITE SIDES OF COLUMN. THROUGH BOLTS MUST BE INSTALLED PRIOR TO SETTING COLUMN.

REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

'TSP' INDICATES TRIPLE STUD POCKET BETWEEN WINDOW UNITS.

_				
	LINTEL SCHEDULE FOR BRICK/NATURAL STONE SUPPORT			
	LENGTH (FT.)	<u>SIZE OF LINTEL</u>		
	UP TO 4 FT.	L 3 1/2 x 3 1/2 x 1/4		
	4-8	L 5 x 3 1/2 x 5/16 LLV		
	8 AND GREATER	L 6 x 4 x 5/16 LLV		

BRICK SUPPORT NOTES:

LINTEL SCHEDULE APPLIES TO ALL OPENINGS IN BRICK VENEER (UNO). SEE ARCH DWGS. FOR SIZE AND LOCATION OF

(LLV) = LONG LEG VERTICAL LENGTH = CLEAR OPENING

EMBED ALL ANGLE IRONS MIN. 4" EACH SIDE INTO VENEER TO PROVIDE BEARING. FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, ATTACH STEEL ANGLE TO HEADER W/ 1/2" LAG SCREWS @ 12" O.C.

STAGGERED. FOR ALL BRICK SUPPORT @ ROOF LINES, FASTEN (2) 2 x 10 BLOCKING BETWEEN STUDS w/ (4) 12d NAILS PER PLY. FASTEN

A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING w/ (2) 1/2" LAG SCREWS @ 12" O.C. STAGGERED. SEE SECTION RT03.8.2.1 OF THE 2018 NCRC FOR ADDITIONAL BRICK SUPPORT INFORMATION. PRECAST REINFORCED CONCRETE

LINTELS ENGINEERED BY OTHERS MAY BE USED IN LIEU OF STEEL LINTELS.



RENAISSANCE RESIDENTIAL DESIGN, INC 4810 GLENMIST CT. | RALEIGH, NC 27612

WWW.RRDCAROLINA.COM 'The art of transforming your vision into re ality.

(919) 649-4128

RENAISSANCE RESIDENTIAL DESIGN, INC. MODIFICATIONS TO FLOOR PLANS, DIMENSIONS, MATERIALS, AND SPECIFICATIONS WITHOUT NOTICE THESE DRAWINGS ARE FOR THE PURPOSE OF CONVEYING AN ARCHITECTURAL CONCEPT ONLY

RENAISSANCE RESIDENTIAL DESIGN, INC. HEREBY EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED CHANGED OR COPIED IN ANY FORM OR MANNER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF RENAISSANCE RESIDENTIAL DESIGN, INC. NOR ARE THEY TO BE ASSIGNED TO ANY THIRD

PARTY WITHOUT FIRST OBTAINING SAID

WRITTEN PERMISSION AND CONSENT.

J.S.THOMPSON ENGINEERING, INC 606 WADE AVE SUITE 104 RALEIGH, NC 27605 PHONE: (919) 789-9919

FAX: (919) 789-9921

N.C. LICENSE NO.: C-1733



H&H CEDA

DATE: OCTOBER 4, 2019

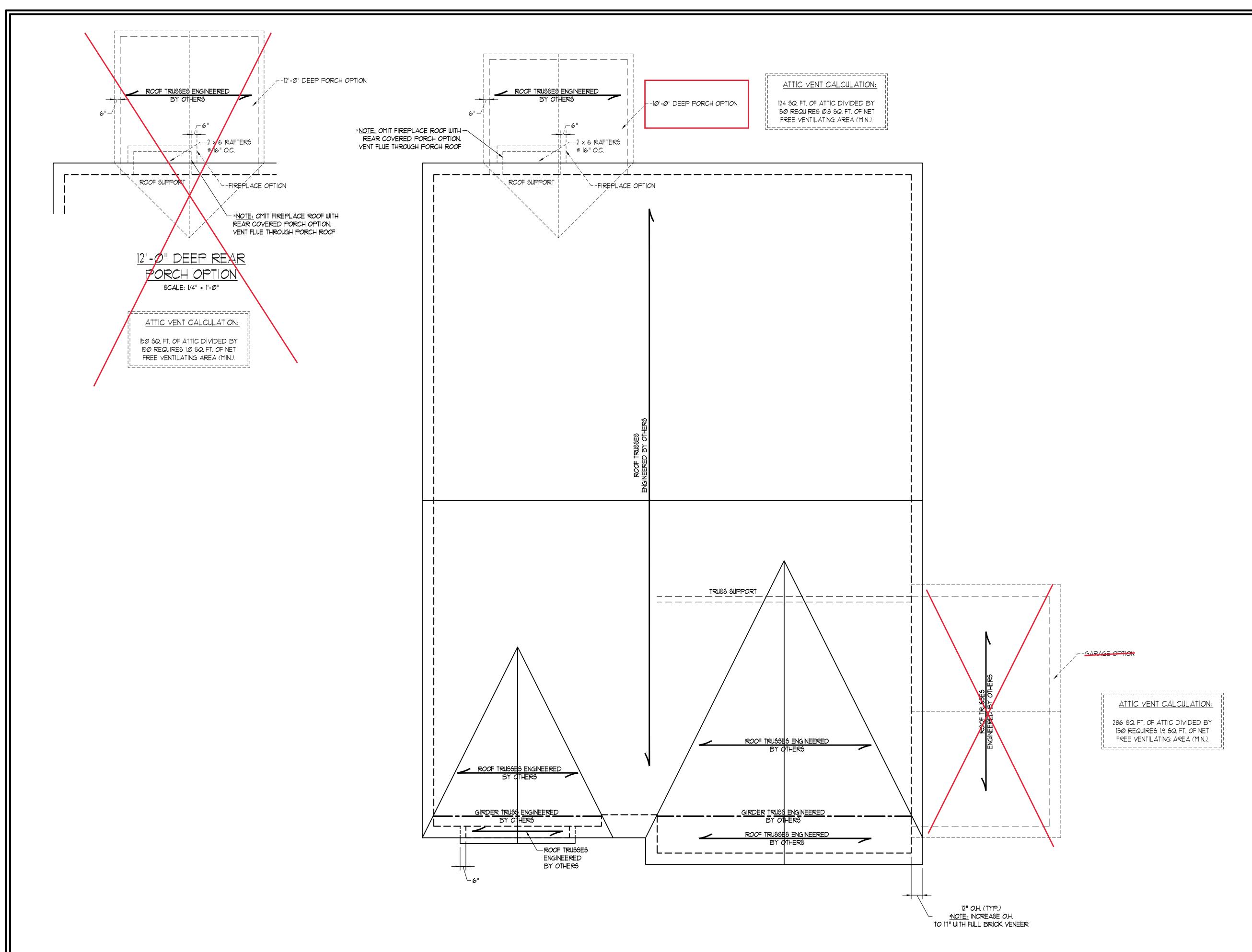
SCALE: 1/4"=1'-0"

DRAWN BY: WG

ENGINEERED BY: WFB REVIEWED BY: JES

SECOND FLOOR FRAMING PLAN

S-2





2737 SQ. FT. OF ATTIC DIVIDED BY 150 REQUIRES 18.3 SQ. FT. OF NET FREE VENTILATING AREA (MIN.).

STRUCTURAL NOTES:

ALL FRAMING LUMBER TO BE #2

SPF (UNO).

- 2. CIRCLES DENOTE (3) 2 x 4 POSTS
 FOR ROOF SUPPORT.

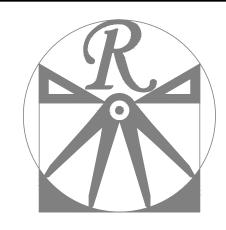
 3. FRAME DORMER WALLS ON TOP
 OF DOUBLE OR TRIPLE RAFTERS.

 4. HIP SPLICES ARE TO BE SPACED
- A MIN. OF 8'-O". FASTEN
 MEMBERS WITH THREE ROWS OF
 12d NAILS @ 16" O.C. (TYP.)

 5. STICK FRAME OVER-FRAMED
 ROOF SECTIONS W/ 2 x 8 RIDGES.
- ROOF SECTIONS W/ 2 x 8 RIDGES, 2 x 6 RAFTERS @ 16" O.C. AND FLAT 2 x 10 VALLEYS OR USE VALLEY TRUSSES. 5. FASTEN FLAT VALLEYS TO
- RAFTERS OR TRUSSES WITH
 SIMPSON H2.5A HURRICANE TIES @
 32" O.C. MAX. PASS HURRICANE
 TIES THROUGH NOTCH IN ROOF
 SHEATHING. EACH RAFTER IS TO
 BE FASTENED TO THE FLAT
 VALLEY WITH A MIN. OF (6) 12d
 TOE NAILS.
- REFER TO SECTION R802.11 OF THE 2018 NCRC FOR REQUIRED UPLIFT RESISTANCE AT RAFTERS AND TRUSSES.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

BRICK SUPPORT NOTE:

- FASTEN (2) 2 × 10 BLOCKING BETWEEN WALL STUDS w/ (4) 12d NAILS PER PLY. FASTEN A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING w/ (2) 1/2" LAG SCREWS @ 12" O.C. STAGGERED. SEE SECTION R103.8.2.1. OF THE 2018 NCRC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
- WHERE ROOF SLOPES EXCEED 1:12, INSTALL 3" x 3" x 1/4" STEEL PLATE STOPS AT 24" O.C. PER SECTION RT03.8.2.1 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.



RENAISSANCE RESIDENTIAL DESIGN, INC.

4810 GLENMIST CT. | RALEIGH, NC 27612

(919) 649-4128

WWW.RRDCAROLINA.COM

"The art of transforming your vision into re ality."

THESE DRAWINGS ARE FOR THE

PURPOSE OF CONVEYING AN ARCHITECTURAL CONCEPT ONLY.

ne art of transforming your vision into re ality

RENAISSANCE RESIDENTIAL DESIGN, INC.

RESERVES THE RIGHT TO MAKE

MODIFICATIONS TO FLOOR PLANS,

DIMENSIONS, MATERIALS, AND

SPECIFICATIONS WITHOUT NOTICE.

RENAISSANCE RESIDENTIAL DESIGN, INC.
HEREBY EXPRESSLY RESERVES ITS
COMMON LAW COPYRIGHT AND OTHER
PROPERTY RIGHTS IN THESE PLANS.
THESE PLANS AND DRAWINGS ARE NOT
TO BE REPRODUCED, CHANGED, OR
COPIED IN ANY FORM OR MANNER
WITHOUT FIRST OBTAINING THE EXPRESS
WRITTEN CONSENT OF RENAISSANCE
RESIDENTIAL DESIGN, INC. NOR ARE
THEY TO BE ASSIGNED TO ANY THIRD

PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

J.S.THOMPSON ENGINEERING, INC 606 WADE AVE., SUITE 104 RALEIGH, NC 27605 PHONE: (919) 789-9919 FAX: (919) 789-9921 N.C. LICENSE NO.: C-1733



OF ILONS, FLOUR PLANS, ELEVA ILONS, DESIGNS,
MATERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE
WITHOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS
ARE ESTIMATED AND MAY VARY IN ACTUAL
CONSTRUCTION. ACTUAL POSITION OF HOUSE ON LOT
WILL BE DETERMINED BY THE SITE PLAN AND PLOT PLAN.
FLOOR PLANS AND ELEVATION RENDERINGS ARE ARTIST
CONCEPTIONS. FLOOR PLANS ARE THE COPYRIGHTED
PROPERTY OF H&H HOMES. ANY USE, REPRODUCTION,
ADAPTATION, OR DISPLAY OF THE PLANS IS STRICTLY
PROHIBITED. SEE NEW HOME SALES CONSULTANT FOR
CURRENT DETAILS. COPYRIGH © 2015 H&H HOMES

H&H HOMES, INC CEDAR

DATE: OCTOBER 4, 2019

REV.:

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

DRAWN BY: WG

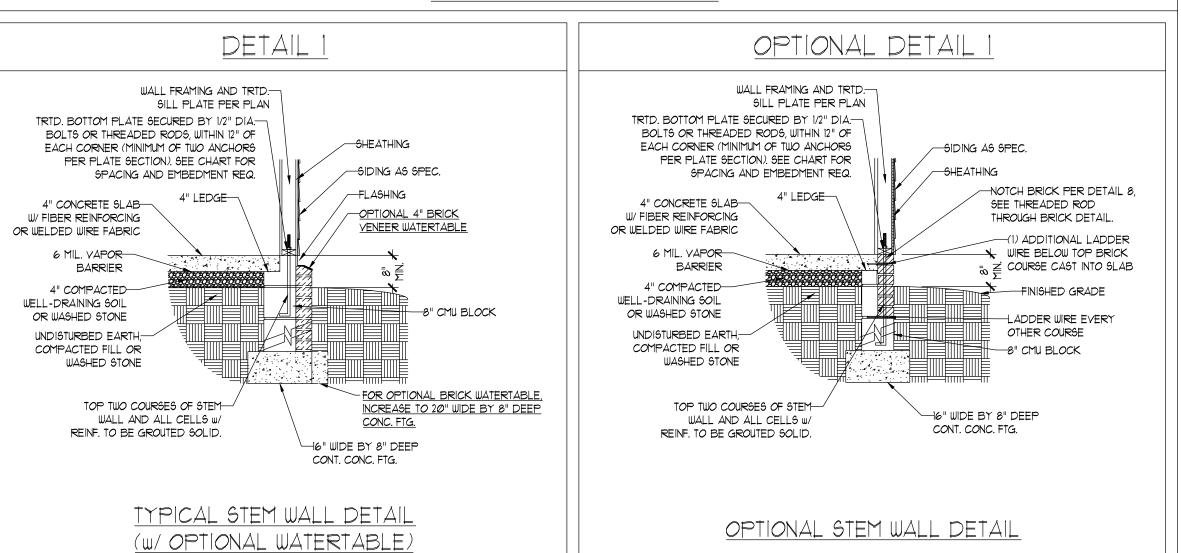
ENGINEERED BY: WFB

REVIEWED BY: JES

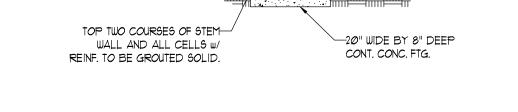
ROOF PLAN ELEVATION - A

S-3

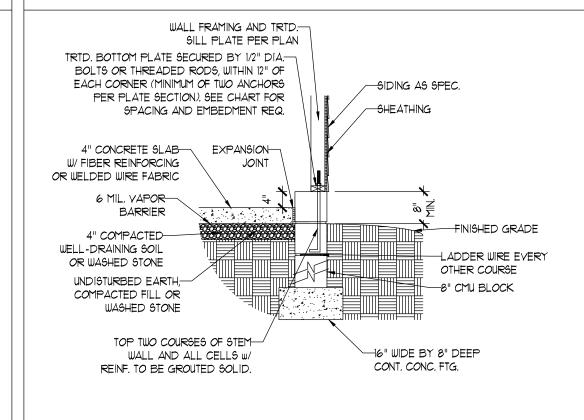
STEMWALL DETAILS



DETAIL 2 WALL FRAMING AND TRTD. SILL PLATE PER PLAN BRICK TIES @ TRTD. BOTTOM PLATE SECURED BY 1/2" DIA.-1'-4" VERTICALLY AND BOLTS OR THREADED RODS, WITHIN 12" OF 2'-6" HORIZONTALLY EACH CORNER (MINIMUM OF TWO ANCHORS -4" BRICK VENEER PER PLATE SECTION). SEE CHART FOR SPACING AND EMBEDMENT REQ. -FLASHING 4" CONCRETE SLAB -WEEP HOLES W/ FIBER REINFORCING OR WELDED WIRE FABRIC 6 MIL. VAPOR BARRIER 4" COMPACTED-WELL-DRAINING SOIL OR WASHED STONE LADDER WIRE EVERY OTHER COURSE UNDISTURBED EARTH,-COMPACTED FILL OR -12" CMU BLOCK WASHED STONE

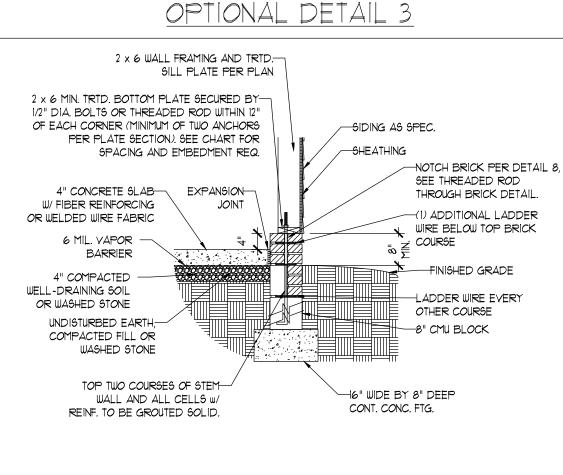


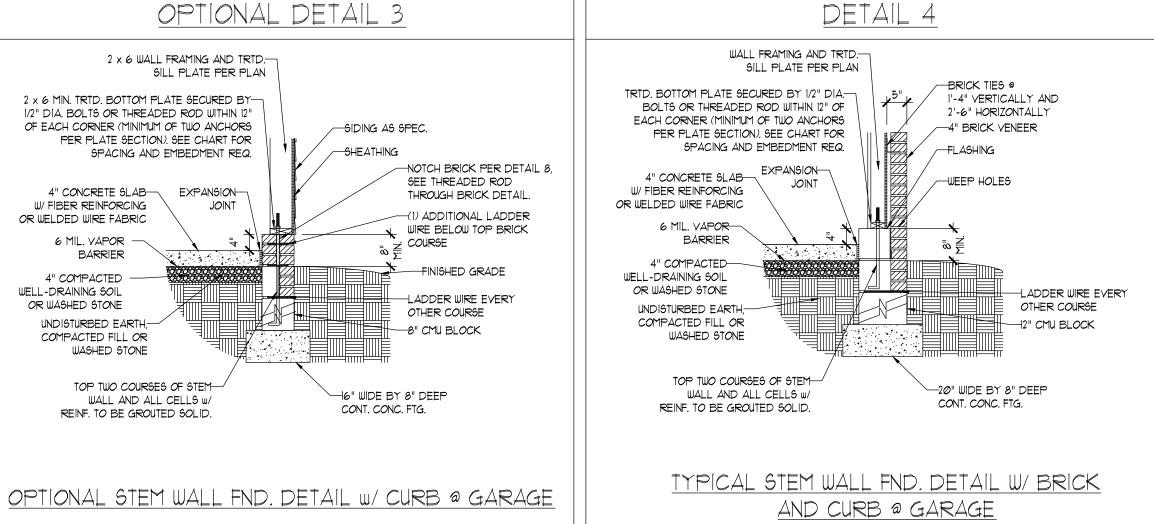
TYPICAL STEM WALL FND. W/ BRICK DETAIL



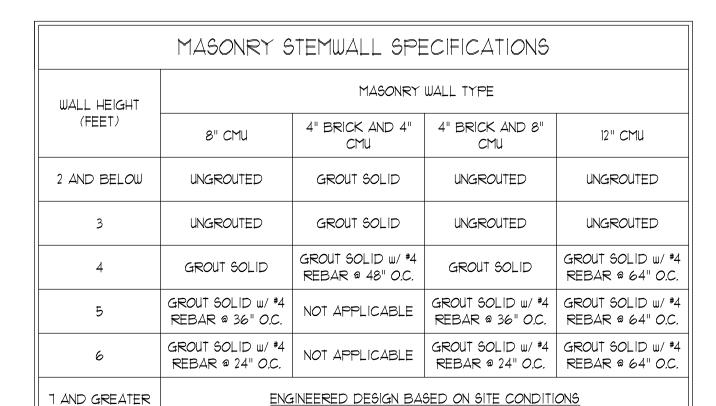
TYPICAL STEM WALL FND. DETAIL W/ CURB @ GARAGE

DETAIL 3





DETAIL 8			
INSIDE EDGE OF MASONRY STEMWALL LADDER WIRE PER DETAIL BRICK MASONRY OUTSIDE EDGE OF BRICK AND STICK FRAMED WALL ABOVE NOTCH BRICK @ THREADED ROD AND GROUT SOLID			
THREADED ROD THROUGH BRICK MASONRY			



STRUCTURAL NOTES:

WALL HEIGHT MEASURED FROM TOP OF FOOTING TO TOP OF THE WALL.

. TIE MULTIPLE WYTHES TOGETHER WITH LADDER WIRE AT 16" O.C. VERTICALLY. 3. CHART APPLICABLE FOR HOUSE FOUNDATION <u>ONLY</u>. CONSULT ENGINEER FOR DESIGN OF GARAGE

FOUNDATION NOT COMMON TO HOUSE. 4. BACKFILL OF CLEAN #57 / #67 WASHED STONE IS ALLOWABLE.

5. BACKFILL OF WELL DRAINED OR SAND - GRAVEL MIXTURE SOILS (45 PSF/FT BELOW GRADE) CLASSIFIED AS GROUP I ACCORDING TO UNIFIED SOILS CLASSIFICATION SYSTEM IN ACCORDANCE

WITH TABLE R405.1 OF THE 2018 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE. 6. PREP SLAB PER <u>R506.2.1</u> AND <u>R506.2.2</u> BASE OF THE 2018 INTERNATIONAL RESIDENTIAL CODE.

MINIMUM 24" LAP SPLICE LENGTH. I. LOCATE REBAR IN CENTER OF FOUNDATION WALL.

8. WHERE REQUIRED, FILL BLOCK SOLID WITH TYPE "S" MORTAR OR 3000 PSI GROUT. USE OF "LOW LIFT GROUTING" METHOD REQUIRED WHEN FILLING WALLS WITH GROUT AT HEIGHTS OF 5' AND GREATER.

	ANCHOR SPACING AND EMBEDMENT					
WIND ZONE	12Ø MPH	130 MPH				
SPACING	6'-Ø" O.C.	4'-Ø" O.C.				
EMBEDMENT	٦"	15" INTO MASONRY 1" INTO CONCRETE				

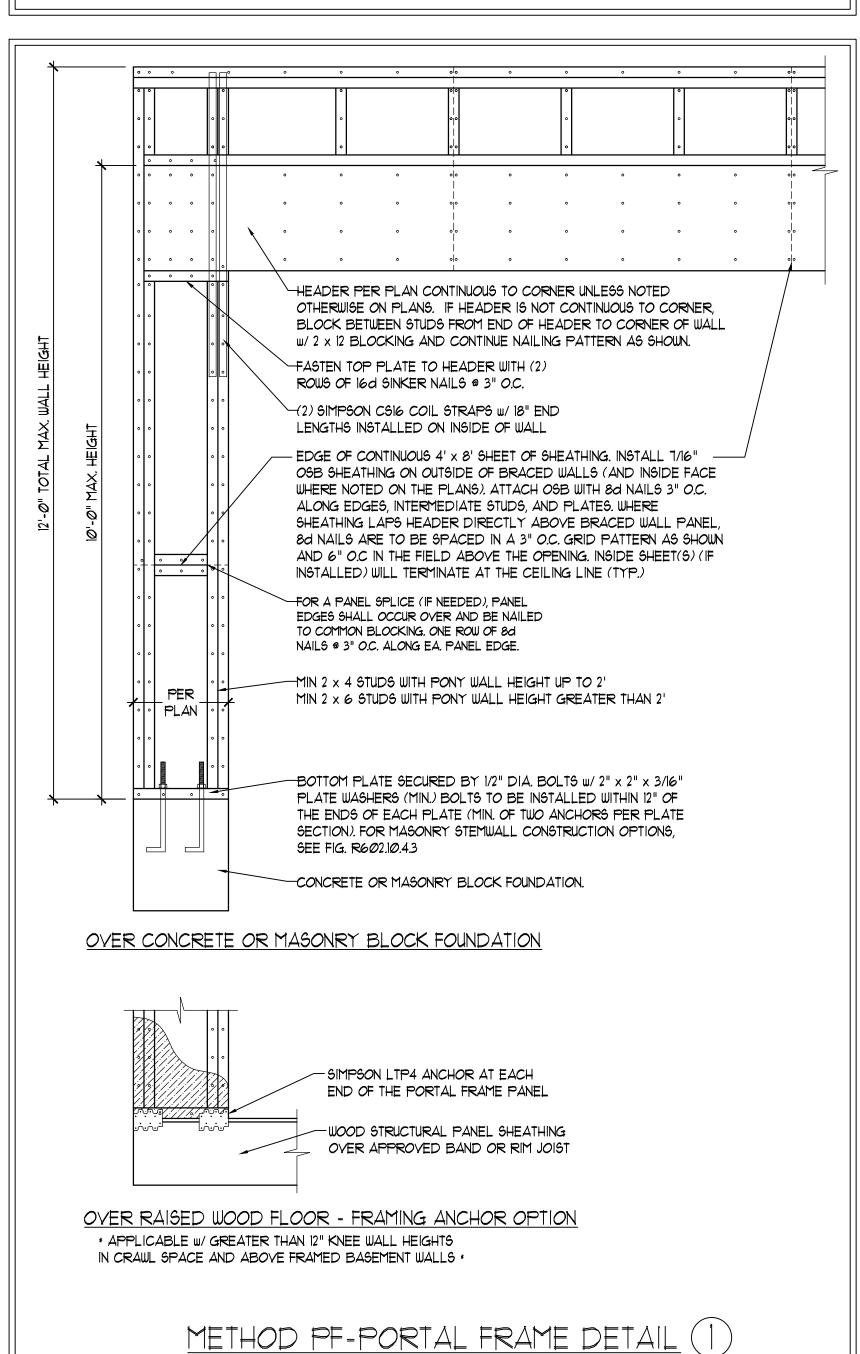
SP] WIND ULTIMATE INDATION D MPH FOU 30 MPH 20

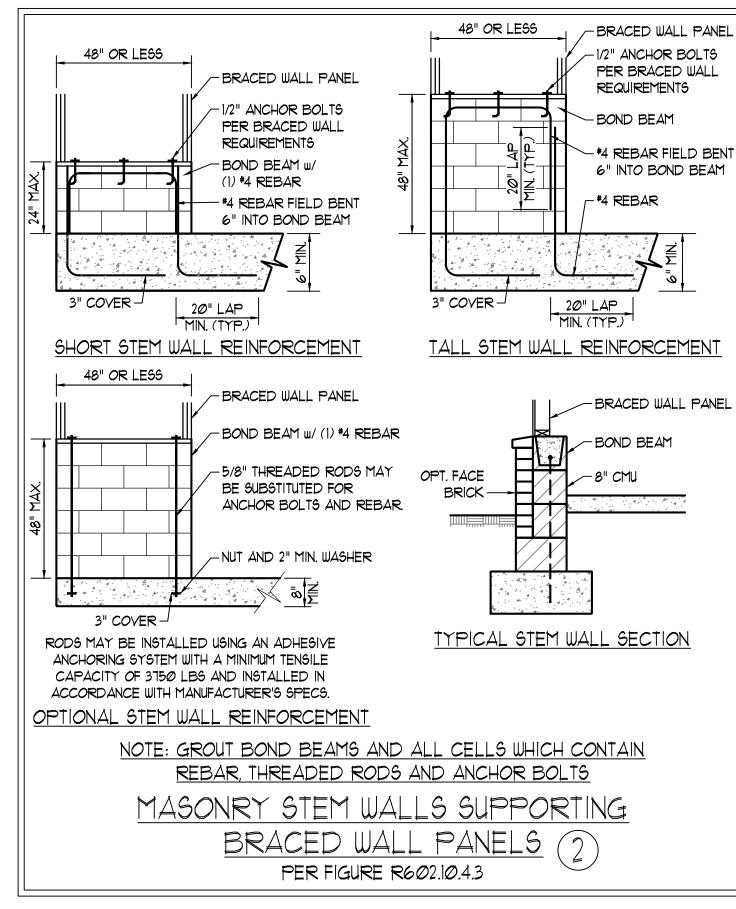
DATE: NOVEMBER 14, 2018 SCALE: NTS DRAWN BY: JST ENGINEERED BY: JES

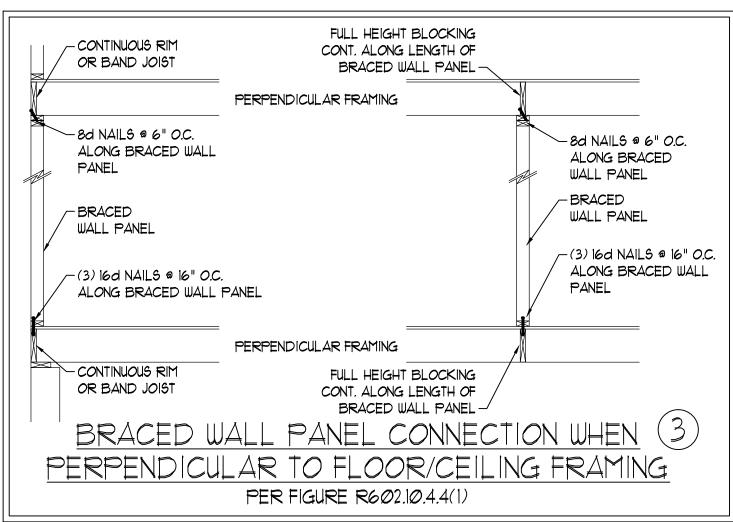


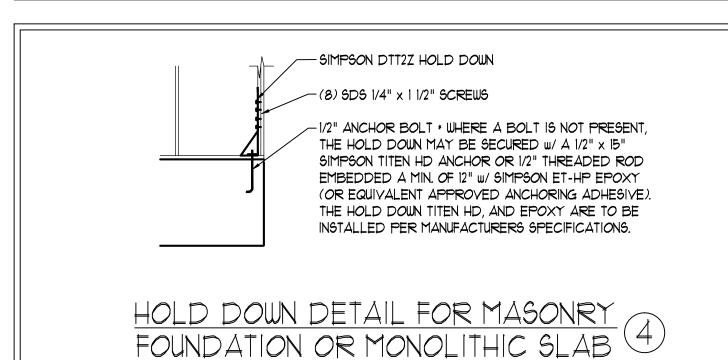
FOUNDATION DETAILS

- I. WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NCRC). TABLES AND FIGURES REFERENCED ARE FROM THE 2018 NCRC.
- SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2018 NCRC FOR ADDITIONAL INFORMATION AS NEEDED.
 SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS, DIMENSIONS, HOLD DOWN TYPE AND LOCATIONS, BRACED WALL LINE KEY WITH WALL DESIGN SUMMARY OF REQUIRED/PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES
- 4. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-WSP IN ACCORDANCE WITH SECTION R602.10.3 UNLESS NOTED OTHERWISE.
- 5. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 1/2" GYPSUM INSTALLED. WHEN NOT USING METHOD "GB", GYPSUM TO BE FASTENED PER TABLE RT02.3.5. METHOD GB TO BE FASTENED PER TABLE R602.10.1
- 6. CS-WSP REFERS TO THE "CONTINUOUS SHEATHING WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 1/16" OSB SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED W/6d COMMON NAILS OR 8d (2 1/2" LONG x Ø.113' DIAMETER) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (U.N.O.).
- 1. GB REFERS TO THE "GYPSUM BOARD" WALL BRACING METHOD. 1/2" (MIN.) GYPSUM WALL BOARD IS TO BE INSTALLED ON BOTH SIDES OF THE BRACED WALL FASTENED WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 1" O.C. ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (U.N.O.). VERIFY ALL FASTENER OPTIONS FOR 1/2" AND 5/8" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENER OPTIONS SEE TABLE R102.3.5. FOR EXTERIOR FASTENER OPTIONS SEE TABLE R602.3(1). EXTERIOR GB TO BE INSTALLED VERTICALLY.
- 8. REQUIRED BRACED WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R602. 10.3. METHOD CS-WSP CONTRIBUTES ITS ACTUAL LENGTH, METHOD GB CONTRIBUTES .5 ITS ACTUAL LENGTH, AND METHOD PF CONTRIBUTES 1.5 TIMES ITS ACTUAL LENGTH.







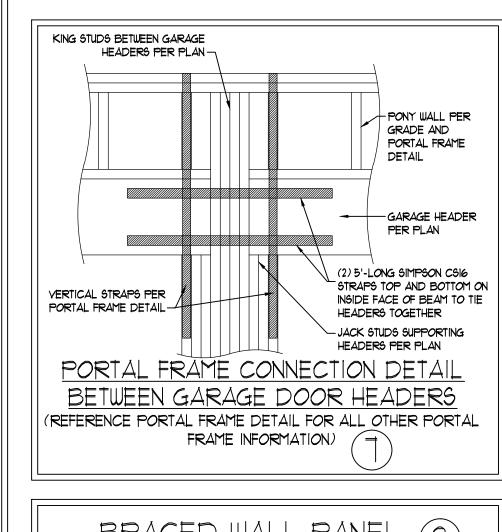


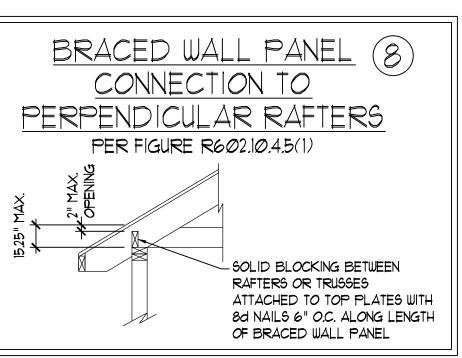
* APPLICABLE ONLY WHERE SPECIFIED ON PLAN *

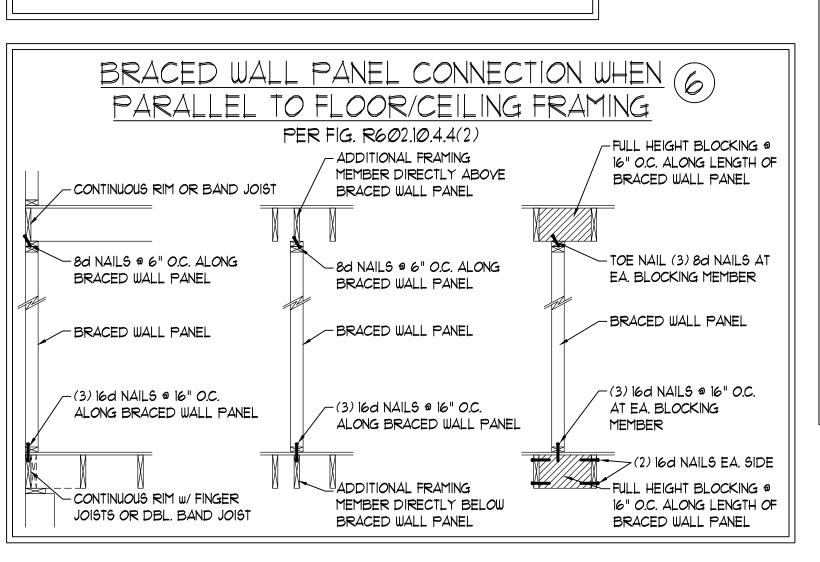
TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING (5) PER FIGURE R602.10.3(5) MIN. 24" WOOD STRUCTURAL SEE TABLE R602.3(1) PANEL AN 800 LB HOLD DOWN FOR FASTENING DEVICE MAY BE INSTALLED IN LIEU OF CORNER RETURN--ORIENTATION OF STUD MAY VARY. SEE FIGURE R602.3(2) 16d NAIL (3 1/2" x Ø.131") -GYPSUM WALLBOARD AS REQUIRED a 12" O.C. -AND INSTALLED IN ACCORDANCE WITH CHAPTER 1 (TYP.) OPTIONAL NON-STRUCTURAL — CONTINUOUS WOOD STRUCTURAL FILLER PANEL -PANEL BRACED WALL LINE SEE TABLE R602.3(1) FOR FASTENING (a) OUTSIDE CORNER DETAIL (5a)ORIENTATION OF STUD MAY VARY. SEE FIGURE R602.3(2)-16d NAIL (3 1/2" x Ø.131") -CONTINUOUS WOOD STRUCTURAL a 12" O.C. PANEL BRACED WALL LINE -SEE TABLE **R6***0***2.3**(1) GYPSUM WALLBOARD AS FOR FASTENING REQUIRED AND INSTALLED MIN. 24" WOOD STRUCTURAL PANEL IN ACCORDANCE WITH CORNER RETURN. AN 800 LB HOLD CHAPTER 1 (TYP.)-DOWN DEVICE MAY BE INSTALLED IN LIEU OF CORNER RETURN (b) INSIDE CORNER DETAIL (5b)GYPSUM WALLBOARD AS REQUIRED - SEE TABLE R602.3(1) AND INSTALLED IN ACCORDANCE FOR FASTENING WITH CHAPTER 1 (TYP.)-16d NAIL (3 1/2" x Ø.131") (2 ROWS @ 24" O.C. --MIN. 24" WOOD STRUCTURAL SHEATHING PER PLAN-PANEL CORNER RETURN. AN 800 LB HOLD DOWN DEVICE MAY BE INSTALLED IN LIEU OF CORNER RETURN CONTINUOUS WOOD STRUCTURAL PANEL FASTENERS ON EACH STUD (50) BRACED WALL LINE-

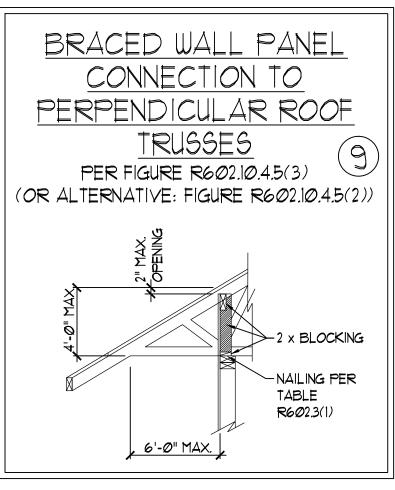
(c) GARAGE DOOR CORNER DETAIL (SEE PLAN FOR ADDITIONAL

STRUCTURAL INFORMATION OR ALTERNATE CONFIGURATIONS)









This sealed page is to be used in conjunction with a full plan set engineered by J.S. Thompson Engineering, Inc. only. Use of this individual sealed page within architectural pages or shop drawings by others is a punishable offense under N.C. Statute § 89C-23

DATE: NOVEMBER 14, 2018

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

DRAWN BY: JST

ENGINEERED BY: JST

D-2
BRACED WALL
NOTES AND DETAILS
AND PF DETAIL

SPEED ENGRAPEAVE., SUIT 606 WADE AVE., SUIT 6019) 780

120 MPH - 130 MPH ULTIMATE DESIGN WIND SPE WALL BRACING NOTES AND DETAILS

SEAL OSBANS

GENERAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO 1-JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NCRC), 2018 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 3. STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NCRC, 2018 EDITION (R301.4 R301.7)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)	
ATTIC WITH LIMITED STORAGE	2Ø	10	L/240 (L/360 w/ BRITTLE FINISHES)	
ATTIC WITHOUT STORAGE	10	10	L/360	
DECKS	4Ø	10	L/360	
EXTERIOR BALCONIES	4Ø	10	L/36Ø	
FIRE ESCAPES	4Ø	10	L/360	
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10	L/360	
PASSENGER VEHICLE GARAGE	5Ø	10	L/360	
ROOMS OTHER THAN SLEEPING ROOM	4Ø	10	L/360	
SLEEPING ROOMS	3Ø	10	L/360	
STAIRS	4Ø	10	L/360	
WIND LOAD (BASED ON TABLE R301.2(4) WIND ZONE AND EXPOSURE)				
GROUND SNOW LOAD: Pg	2Ø (PSF)			

- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480 - FLOOR TRUSS SYSTEMS DESIGNED WITH 15 PSF DEAD LOAD
- 4. FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE 15 TO COMPLY WITH SECTION R403.1.6 OF THE NCRC, 2018 EDITION. FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION 4504 OF THE NCRC, 2018 EDITION.
- 5. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NCRC, 2018 EDITION.

FOOTING AND FOUNDATION NOTES

- I. FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING CAPACITY IS NOT ACHIEVED.
- 2. FOR ALL CONCRETE SLABS AND FOOTINGS, THE AREA WITHIN THE PERIMETER OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP SOIL AND FOREIGN MATERIAL REMOVED. FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO ASSURE UNIFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL. A 4" THICK BASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP I, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R405.1 OF THE NCRC, 2018 EDITION.
- 3. PROPERLY DEWATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE SLAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 3/4" - 1" DEEP CONTROL JOINTS ARE TO BE SAWED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
- 4. CONCRETE SHALL CONFORM TO SECTION R402.2 OF THE NCRC. 2018 EDITION, CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60. WELDED WIRE FABRIC TO BE ASTM A185. MAINTAIN A MINIMUM CONCRETE COVER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 1 1/2" IN SLABS. FOR POURED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 1 1/2" FOR #5 BARS OR SMALLER, AND NOT LESS THAN 2" FOR #6 BARS OR LARGER.
- 5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL COMFORM TO ASTM C270.
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR UNFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR 5 MORTAR PIERS AND WALLS SHALL BE CAPPED WITH 8" OF SOLID MASONRY
- 1. THE CENTER OF EACH OF THE PIERS SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING. EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS.
- 8. ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OF THE NCRC, 2018 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NCMA TR68-A OR ACE 530/ASCE 5/TMS 402. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1.1(1), R404.1.1(2), R404.1.1(3), OR R404.1.1(4) OF THE NCRC, 2018 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1.1(5) OF THE NCRC, 2018 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT 16" O.C. WHERE GRADE PERMITS (UNO).

This sealed page is to be used in conjunction with a full plan set engineered by J.S. Thompson Engineering, Inc. only. Use of this individual sealed page within architectural pages or shop drawings by others is a punishable offense under N.C. Statute § 89C-23

- 1. ALL FRAMING LUMBER SHALL BE #2 SPF MINIMUM (Fb = 875 PS1, Fv = 375 PS1, E = 1600000 PS1) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE #2 SYP MINIMUM (Fb = 975 PSI, Fv =175 PSI, E = 1600000 PSI) UNLESS NOTED OTHERWISE (UNO).
- LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb =2600 PSI, Fv = 285 PSI, E = 1900000 PSI. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2325 PSI, Fv = 310 PSI, E = 1550000 PSI. PARALLEL STRAND LUMBER (PSL) UP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2500 PSI, E = 1800000 PSI. PARALLEL STRAND LUMBER (PSL) MORE THAN 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2900 PSI, E = 20000000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
- 3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

W AND WT SHAPES: ASTM A992 CHANNELS AND ANGLES: ASTM A36 ASTM A36 PLATES AND BARS: HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE B STEEL PIPE: ASTM A53, GRADE B, TYPE E OR S

4. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH (UNO). PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS FOLLOWS (UNO):

A. WOOD FRAMING (2) 1/2" DIA. x 4" LONG LAG SCREWS B. CONCRETE (2) 1/2" DIA. x 4" WEDGE ANCHORS C. MASONRY (FULLY GROUTED) (2) 1/2" DIA. x 4" LONG SIMPSON TITEN HD ANCHORS

LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TOE NAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 2x NAILER IS SECURED TO THE TOP OF THE STEEL BEAM W/ (2) ROWS OF SELF TAPPING SCREWS @ 16" O.C. OR (2) ROWS OF 1/2" DIAMETER BOLTS @ 16" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED W/ (2) ROWS OF 9/16" DIAMETER HOLES @ 16" O.C.

- 5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION, SHADED SQUARES DENOTE POINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- 6. ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R602.7(1) AND R602.7(2) OF THE NCRC, 2018 EDITION OR BE (2) 2 x 6 WITH (1) JACK AND (1) KING STUD EACH END (UNO), WHICHEVER IS GREATER ALL HEADERS TO BE SECURED TO EACH JACK STUD WITH (4) 8d NAILS. ALL BEAMS TO BE SUPPORTED WITH (2) STUDS AT EACH BEARING POINT (UNO). INSTALL KING STUDS PER SECTION R602.7.5 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- 1. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR FULLY ON (1) JACK OR (2) STUDS MINIMUM OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY (3) STUDS OR LESS ARE TO HAVE 1 1/2" MINIMUM BEARING (UNO). ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY MORE THAN (3) STUDS OR OTHER NOTED COLUMN ARE TO BEAR FULLY ON SUPPORT COLUMN FOR ENTIRE WALL DEPTH (UNO). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO).
- 8. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A3ØT) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS LOCATED AT 6" FROM EACH END (UNO).
- 9. ALL 1-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
- 10. BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION WALL BRACING CRITERIA. THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R602.10.
- II. PROVIDE DOUBLE JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR I-JOISTS PER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- 12. FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8'-0" IN LENGTH, REST A 6" x 4" x 5/16" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (UN.O.). FOR ALL HEADERS 8'-Ø" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH 1/2" LAG. SCREWS AT 12" O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING INSTALLED w/ (4) 12d NAILS EA. PLY BETWEEN WALL STUDS WITH (2) ROWS OF 1/2" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION RT03.8.2.1 OF THE NCRC, 2018 EDITION.
- 13. FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SHOWN (UNO).
- 14. FOR TRUSSED ROOFS: FRAME DORMER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUSSES. STICK FRAME OVER-FRAMED ROOF SECTIONS WITH 2 x 8 RIDGES, 2 x 6 RAFTERS AT 16" O.C. AND FLAT 2 x 10 YALLEYS (UNO).
- 15. ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO.) POSTS MAY BE SECURED USING ONE SIMPSON HE OR LTS12 UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE 16" SECTION OF SIMPSON CS16 COIL STRAPPING WITH (8) 8d HDG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIST STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE SIMPSON POST BASE.

S WIN LTIMA1 STRUC 130 MPH ISTANDAR PH \sum 20

DATE: NOVEMBER 14, 2018

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

DRAWN BY: JES

ENGINEERED BY: JST



S-0 STRUCTURAL NOTES