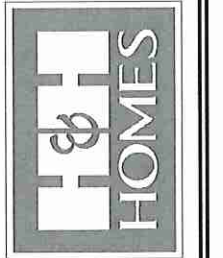


**RENAISSANCE**  
RESIDENTIAL DESIGN, INC.  
4810 GLENHIST CT. 1, RALEIGH, NC 27612  
(919) 649-4128  
WWW.RRDCAROLINA.COM

"The art of transforming your vision into reality."  
RENAISSANCE RESIDENTIAL DESIGN, P.C. RESERVES THE RIGHT TO MAKE MODIFICATIONS TO FLOOR PLANS, DIMENSIONS, MATERIALS, AND SPECIFICATIONS WITHOUT NOTICE. THESE DRAWINGS ARE FOR THE PURPOSE OF OBTAINING AN ARCHITECTURAL CONCEPT ONLY.

RENAISSANCE RESIDENTIAL DESIGN, P.C. HEREBY EXPRESSLY RESERVES ITS CONSULTING 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, P.C. WORKS THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

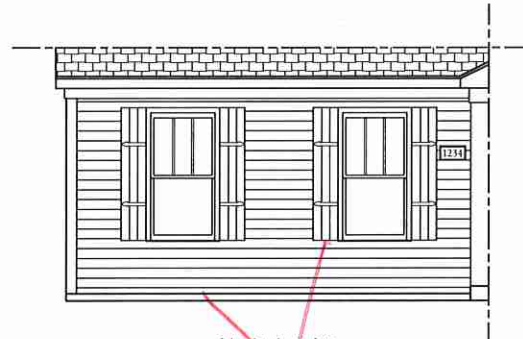
**J.S. THOMPSON**  
**ENGINEERING, INC.**  
100 WADE AVE., SUITE 104  
RALEIGH, NC 27605  
PHONE (919) 280-9919  
FAX (919) 280-9921  
N.C. LICENSE NO. C-1135



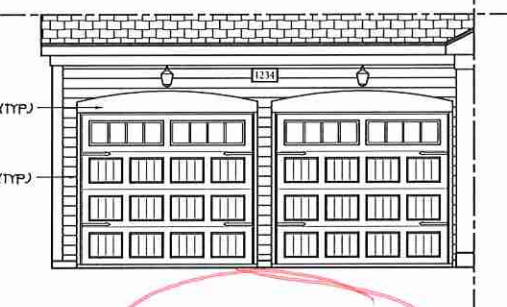
PRICES, PROMOTIONS, INCENTIVES, FEATURES, OPTIONS, FLOOR PLANS, ELEVATIONS, DESIGN, CONSTRUCTION, ACTUAL POSITION OF HOUSE ON LOT, ADJUSTMENT OF HOUSE TO LOT, FLOOR PLANS AND ELEVATIONS HEREBY ARE ARTIST CONCEPTIONS. FLOOR PLANS ARE THE COPYRIGHTED PROPERTY OF H&H HOMES. ANY USE, REPRODUCTION, ADAPTATION OR DERIVATION OF THESE PLANS WITHOUT WRITTEN PERMISSION IS STRICTLY PROHIBITED. CURRENT DETAILS. COPYRIGHT © 2015 H&H HOMES



**FRONT ELEVATION-C**  
SCALE: 1/4" = 1'-0"

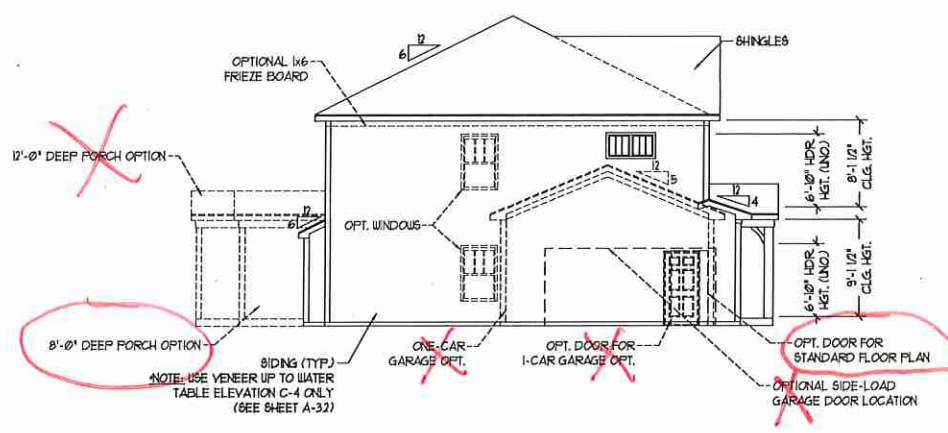


**SIDE LOAD GARAGE OPTION**  
(NOT AVAILABLE WITH OPTIONAL ONE-CAR GARAGE)  
SCALE: 1/4" = 1'-0"

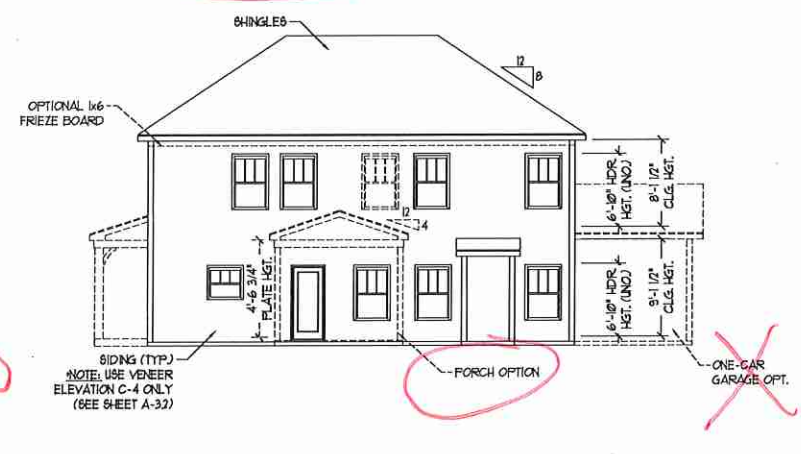


**DOUBLE GARAGE DOOR OPTION**  
SCALE: 1/4" = 1'-0"

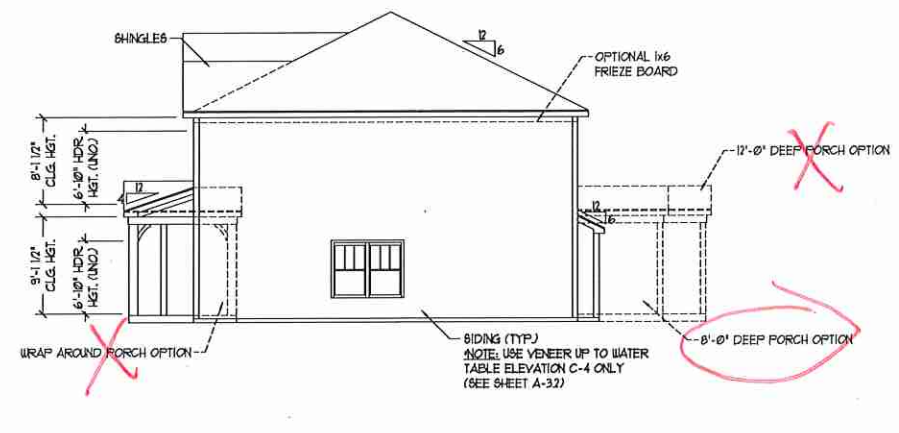
**\*\* NOTE: SEE PAGE A-31 FOR SPECIFIC FRONT ELEVATION-C DETAILS. SEE PAGE A-32 FOR C-4 (ALL BRICK) ELEVATIONS**



**LEFT ELEVATION**  
SCALE: 1/8" = 1'-0"



**REAR ELEVATION**  
SCALE: 1/8" = 1'-0"



**RIGHT ELEVATION**  
SCALE: 1/8" = 1'-0"

**ACX00055**  
H&H HOMES, INC.  
HATTERAS DRIVE LEFT  
**Permit Marked**

DATE: DECEMBER 4, 2015  
REV.:  
SCALE: AS NOTED  
DRAWN BY: W/G  
ENGINEERED BY: W/LF  
REVIEWED BY: JES

C - ELEVATIONS  
**A-3**





FRONT ELEVATION-C-1  
SCALE: 1/4" = 1'-0"



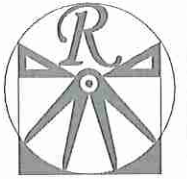
FRONT ELEVATION-C-2  
SCALE: 1/4" = 1'-0"



FRONT ELEVATION-C-3  
SCALE: 1/4" = 1'-0"



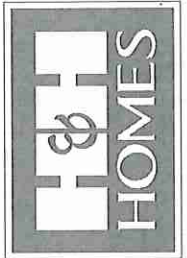
FRONT ELEVATION-C-4  
SCALE: 1/4" = 1'-0"



**RENAISSANCE**  
RESIDENTIAL DESIGN, INC.  
4819 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 CONSIDERING AN ARCHITECTURAL CONCEPT ONLY. RENAISSANCE RESIDENTIAL DESIGN, INC. HEREBY EXPRESSLY RESERVES ITS 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. ANY PART THEREOF 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) 289-9910  
FAX: (919) 289-9921  
N.C. LICENSE NO. C-17155



PRICES, PROMOTIONS, INCENTIVES, FEATURES, MATERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS ARE ESTIMATED AND MAY VARY IN ACTUAL CONSTRUCTION. ACTUAL POSITION OF ROOF OR CHIMNEY IS NOT SHOWN. ALL DIMENSIONS ARE TO FINISH UNLESS OTHERWISE NOTED. FLOOR PLANS AND ELEVATION RENDERINGS ARE ARTIST CONCEPTIONS. FLOOR PLANS ARE THE COPYRIGHTED PROPERTY OF H&S HOMES. ANY USE, REPRODUCTION, OR MODIFICATION OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF H&S HOMES IS PROHIBITED. SEE NEW HOME SALES CONSULTANT FOR CURRENT DETAILS. COPYRIGHT © 2015 H&S HOMES

H&S HOMES, INC.  
HATTERAS DRIVE LEFT

DATE: DECEMBER 4, 2015  
REV.:  
SCALE: AS NOTED  
DRAWN BY: WJG  
ENGINEERED BY: WLF  
REVIEWED BY: JES

C - ELEVATION  
OPTIONS  
A-3.1



**SQUARE FOOTAGE (OPTIONS)**

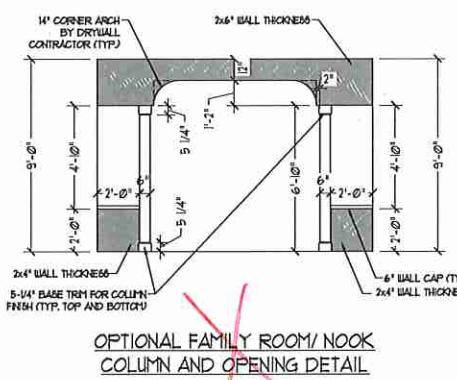
1ST FLOOR (BRICK):	1131 SQ. FT.
2ND FLOOR (BRICK):	1420 SQ. FT.
TOTAL (BRICK):	2551 SQ. FT.
GARAGE (BRICK):	440 SQ. FT.
FRONT PORCH (WRAP OPTION):	50 SQ. FT.
REAR PORCH (8'-0" DEEP):	96 SQ. FT.
REAR PORCH (12'-0" DEEP):	144 SQ. FT.
OPT. PATIO/DECK (8'-0" DEEP):	96 SQ. FT.
OPT. PATIO/DECK (12'-0" DEEP):	144 SQ. FT.
1-CAR GARAGE:	240 SQ. FT.

**SQUARE FOOTAGE**

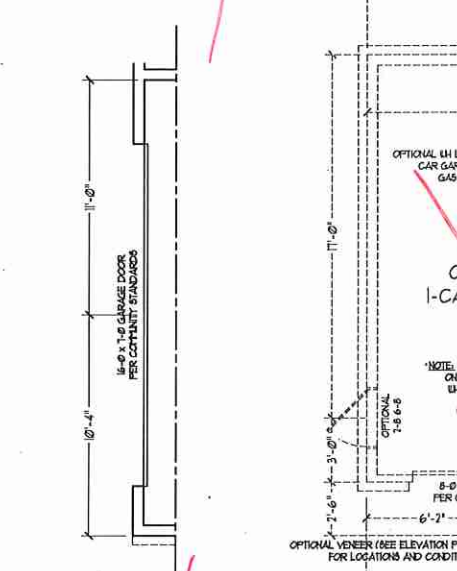
1st FLOOR:	1201 SQ. FT.
2nd FLOOR:	1353 SQ. FT.
TOTAL:	2434 SQ. FT.
FRONT PORCH:	130 SQ. FT.
STD. REAR PATIO:	96 SQ. FT.
GARAGE:	421 SQ. FT.

**\*NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 @ 16" O.C. (UNO). 2 x 4 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 6 WALLS (UNO). ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. (UNO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (UNO).**

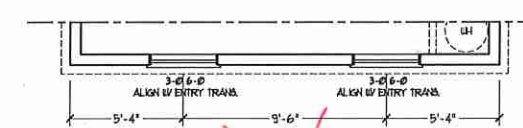
**\* SHADED WALLS ARE TO BE 2 x 6 @ 16" O.C. (LOAD BEARING) OR 2 x 6 @ 24" O.C. (NON-LOAD BEARING) REGARDLESS OF EXTERIOR WALL CONDITION**



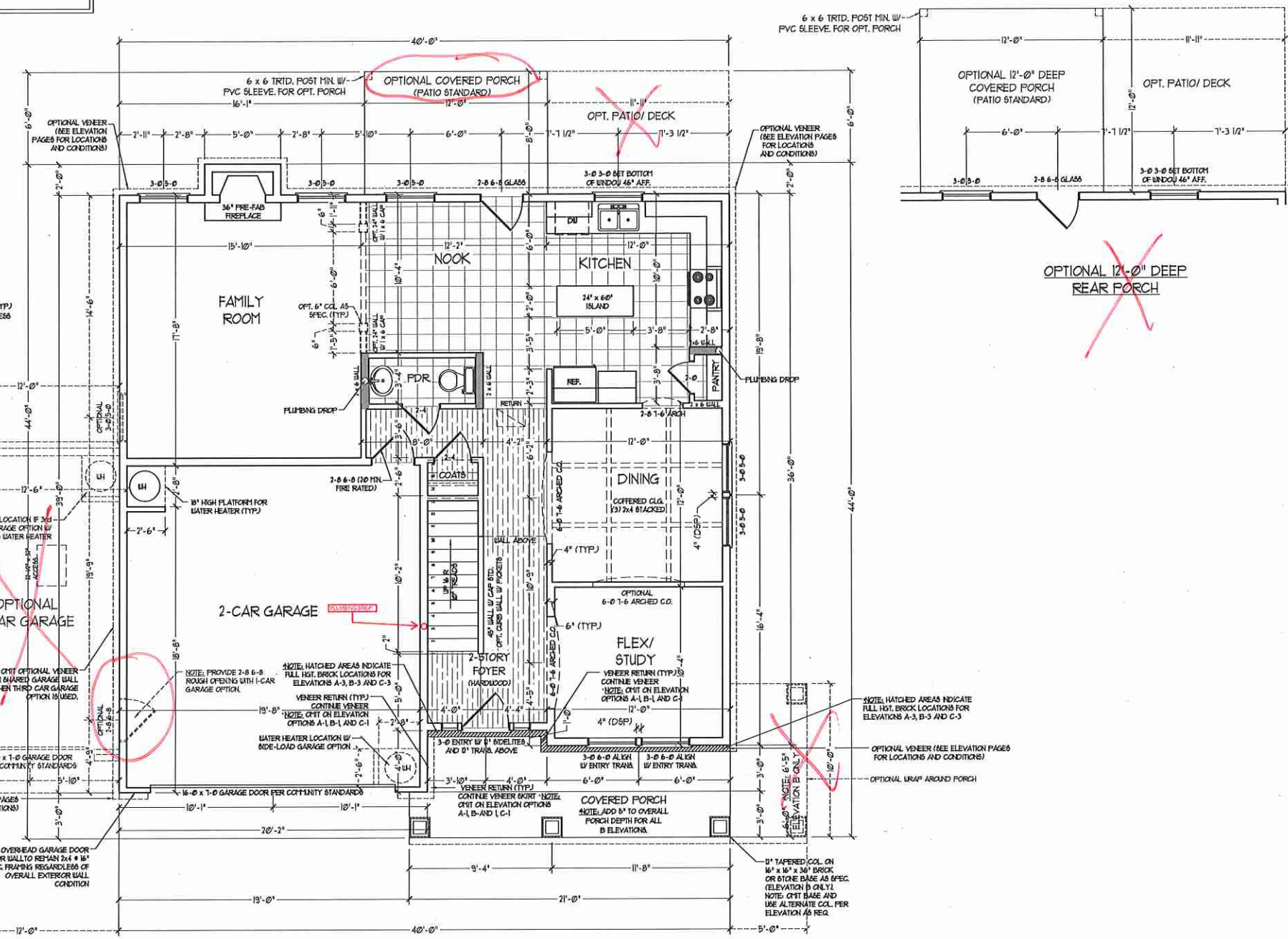
**OPTIONAL FAMILY ROOM/NOOK COLUMN AND OPENING DETAIL**



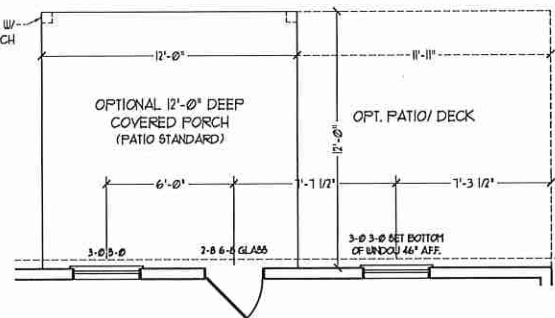
**SIDE-LOAD GARAGE OPTION (NOT AVAILABLE WITH OPTIONAL ONE-CAR GARAGE)**



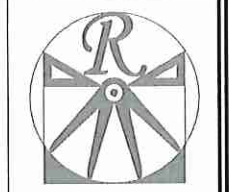
**SIDE-LOAD GARAGE OPTION (NOT AVAILABLE WITH OPTIONAL ONE-CAR GARAGE)**



**DOUBLE GARAGE DOOR OPTION**



**OPTIONAL 12'-0" DEEP REAR PORCH**

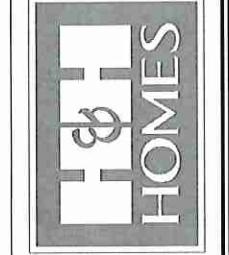


**RENAISSANCE**  
RESIDENTIAL DESIGN, INC.  
4810 GLENHIST CT., J. RALEIGH, NC 27612  
(919) 649-4128  
WWW.RDNCAROLINA.COM  
"The art of transforming your vision into reality."

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

**J.S. THOMPSON**  
ENGINEERING, INC.  
105 WADE AVE., SUITE 104  
RALEIGH, NC 27605  
PHONE: (919) 789-9919  
FAX: (919) 789-9921  
N.C. LICENSE NO. C-1133



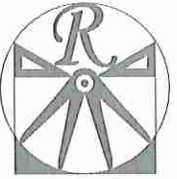
PRICES, PROMOTIONS, INCENTIVES, FEATURES, OPTIONS, FLOOR PLANS, ELEVATIONS, RESURFACING, MATERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS WILL BE DETERMINED BY THE SITE PLAN AND PLOT PLAN. FLOOR PLANS AND ELEVATION DRAWINGS ARE ARTIST CONCEPTIONS. FLOOR PLANS ARE THE COPYRIGHTED PROPERTY OF RENAISSANCE RESIDENTIAL DESIGN, INC. ADAPTATION OR DISPLAY OF THE PLANS IS STRICTLY PROHIBITED. SEE NEW HOME SALES CONSULTANT FOR CURRENT DETAILS. COPYRIGHT 2015 H&H HOMES

**H&H HOMES, INC.**  
HATTERAS DRIVE LEFT

DATE: DECEMBER 4, 2015  
REV.:  
SCALE: 1/4"=1'-0"  
DRAWN BY: WG  
ENGINEERED BY: WLF  
REVIEWED BY: JES

FIRST FLOOR PLAN  
**A-4**





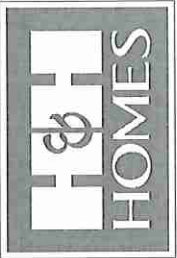
**RENAISSANCE**

RESIDENTIAL DESIGN, INC.  
4810 GLENMIST CT., J. RALEIGH, NC 27612  
(919) 649-4128  
WWW.RDCCAROLINA.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. FOR USE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

**J.S. THOMPSON**  
ENGINEERING, INC.  
605 WADE AVE., SUITE 104  
RALEIGH, NC 27605  
PHONE: (919) 789-9919  
FAX: (919) 789-9921  
N.C. LICENSE NO. C-1735



PRICES, SPECIFICATIONS, MATERIALS, FEATURES, OPTIONS, FLOOR PLANS, ELEVATIONS, DESIGN, MATERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS WILL BE DETERMINED BY THE SITE PLAN AND PLOT PLAN. CONSTRUCTION, ACTUAL POSITION OF HOUSE ON LOT, FLOOR PLANS AND ELEVATION RENDERINGS ARE ARTIST CONCEPTIONS. FLOOR PLANS ARE THE COPYRIGHTED PROPERTY OF RENAISSANCE RESIDENTIAL DESIGN, INC. ADAPTATION, OR DISPLAY OF THESE PLANS IS STRICTLY PROHIBITED. SEE NEW HOME SALES CONSULTANT FOR CURRENT DETAILS. COPYRIGHT 2015 H&H HOMES

H&H HOMES, INC.  
HATTERAS DRIVE LEFT

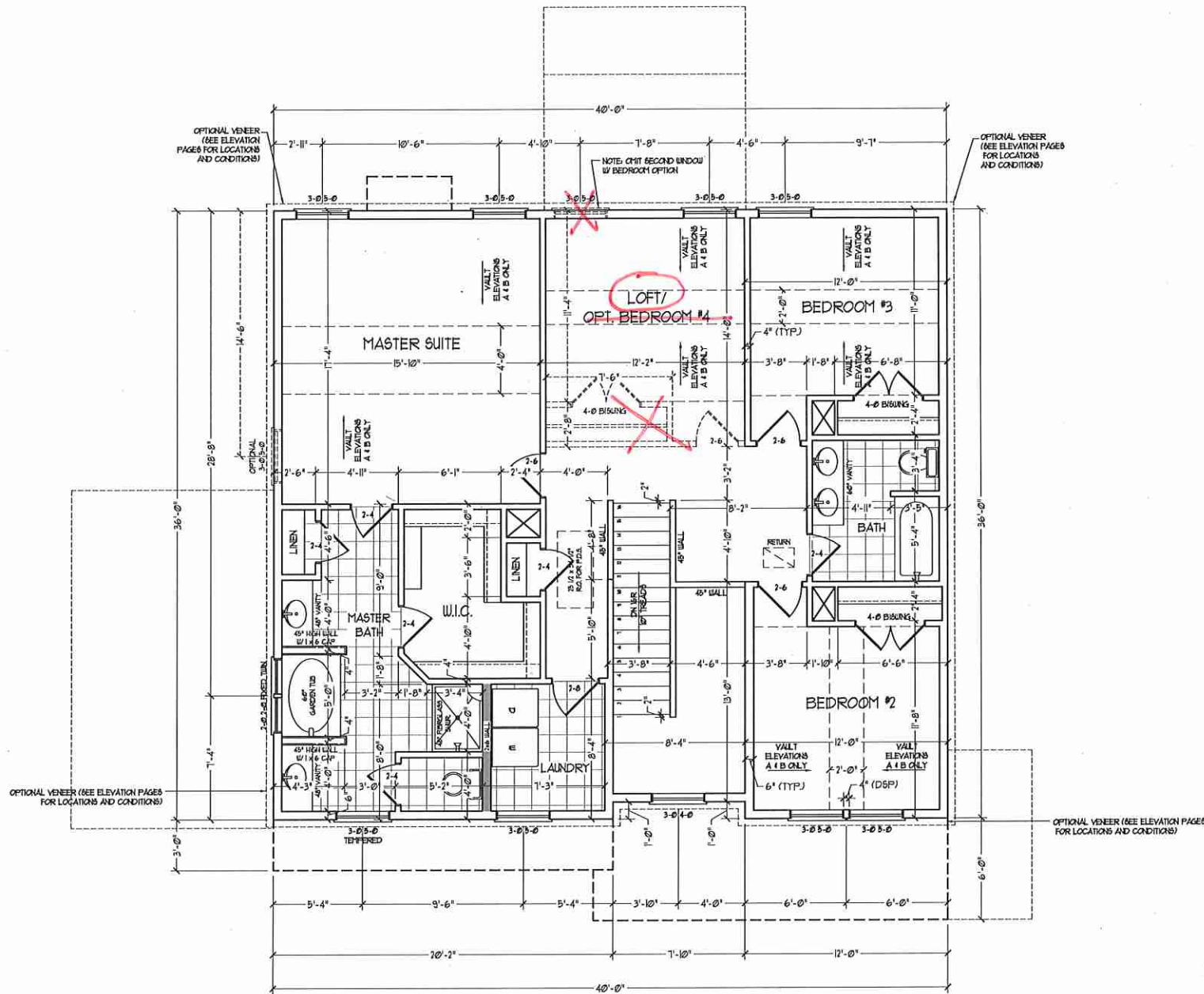
DATE: DECEMBER 4, 2015  
REV.:  
SCALE: 1/4"=1'-0"  
DRAWN BY: WG  
ENGINEERED BY: WLF  
REVIEWED BY: JES

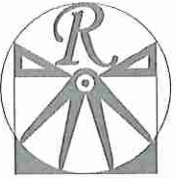
SECOND FLOOR PLAN

A-5

**\*NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 @ 16" O.C. (UNO). 2 x 4 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 6 WALLS (UNO). ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. (UNO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (UNO).**

2x6 WALL  
\* SHADED WALLS ARE TO BE 2 x 6 @ 16" O.C. (LOAD BEARING) OR 2 x 6 @ 24" O.C. (NON-LOAD BEARING) REGARDLESS OF EXTERIOR WALL CONDITION





**RENAISSANCE**  
RESIDENTIAL DESIGN, INC.  
4810 GLENNIST CT., J. 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 OBTAINING AN ARCHITECTURAL CONCEPT ONLY.

RENAISSANCE RESIDENTIAL DESIGN, INC. HEREBY EXPRESSLY RESERVES ITS ARCHITECTURAL 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. NO PART IS TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

**J.S. THOMPSON**  
**ENGINEERING, INC.**  
605 WADE AVE., SUITE 104  
RALEIGH, NC 27609  
PHONE: (919) 789-0919  
FAX: (919) 789-0921  
N.C. LICENSE NO. C-1733



PRICES, SPECIFICATIONS, MATERIALS, FEATURES, OPTIONS, FLOOR PLANS, ELEVATIONS, DESIGNS, MATERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS ARE ESTIMATED AND MAY VARY FROM THE ACTUAL. CONCEPTS, FLOOR PLANS AND ELEVATION RENDERINGS ARE ARTIST CONCEPTIONS. FLOOR PLANS ARE THE COPYRIGHTED PROPERTY OF RENAISSANCE RESIDENTIAL DESIGN, INC. NO PART IS TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT. SEE NEW HOME SALES CONSULTANT FOR CURRENT DETAILS. COPYRIGHT 2015 H&H HOMES

H&H HOMES, INC.  
HATTERAS DRIVE LEFT

DATE: DECEMBER 4, 2015  
REV.:  
SCALE: 1/4"=1'-0"  
DRAWN BY: WG  
ENGINEERED BY: WLF  
REVIEWED BY: JES

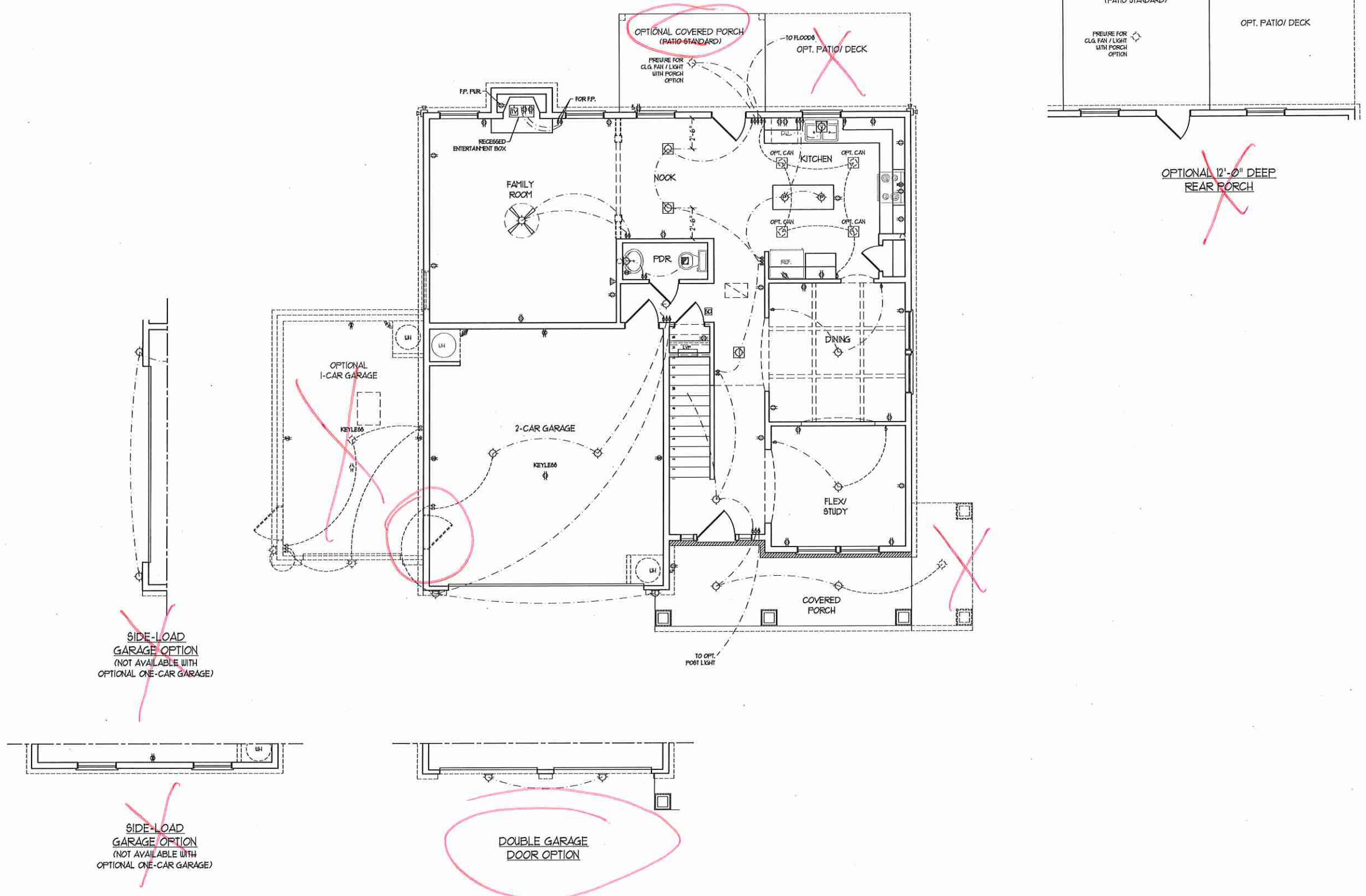
FIRST FLOOR  
ELECTRICAL  
PLAN

E-1

**ELECTRICAL LAYOUT NOTES:**

- 1) BLOCK AND WIRE FOR ALL CEILING FANS PER PLAN
- 2) VANITY LIGHTS TO BE SET @ 30" AFF. (TYP)
- 3) ADDITIONAL EXTERIOR OUTLETS REQUIRED BY CODE TO BE LOCATED BY ELECTRICIAN
- 4) PLACE SWITCHES 6" FROM ROUGH OPENINGS

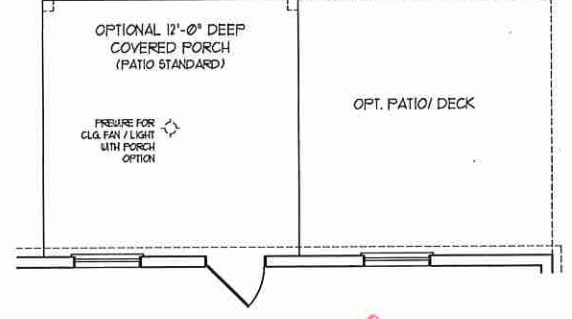
- ELECTRICAL LEGEND**
- 120 V OUTLET
  - 120 V GFI OUTLET
  - 120 V SWITCHED OUTLET
  - 120 V BASEBOARD OUTLET
  - 4-FLEX
  - COUNTER OR FLOOR MOUNTED
  - COUNTER OR FLOOR MOUNTED 120V GFI
  - LEATHERPROOF
  - 220 V OUTLET
  - 120 V DEDICATED CIRCUIT
  - 220 V DEDICATED CIRCUIT
  - SPECIAL PURPOSE (240 V, ETC.)
  - WALL MOUNT LIGHT
  - CEILING MOUNT LIGHT
  - PENDANT LIGHT
  - RECESSED CAN LIGHT
  - MINI CAN LIGHT
  - EYEBALL LIGHT
  - FLUORESCENT LIGHT
  - UNDERCABINET LIGHT
  - FLOOD LIGHT
  - SWITCH
  - 3-WAY SWITCH
  - 4-WAY SWITCH
  - DIMMER SWITCH
  - TELEPHONE
  - TV CONNECTION
  - CONDUIT FOR COMPONENT WIRING
  - SPEAKER
  - DOORBELL CHIME
  - 120 V SMOKE DETECTOR
  - EXHAUST FAN
  - LOW VOLTAGE PANEL
  - CEILING FAN
  - CEILING FAN W/ LIGHT



~~SIDE-LOAD GARAGE OPTION (NOT AVAILABLE WITH OPTIONAL ONE-CAR GARAGE)~~

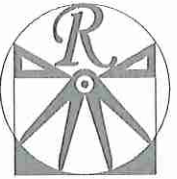
~~SIDE-LOAD GARAGE OPTION (NOT AVAILABLE WITH OPTIONAL ONE-CAR GARAGE)~~

DOUBLE GARAGE DOOR OPTION



~~OPTIONAL 12'-0" DEEP REAR PORCH~~





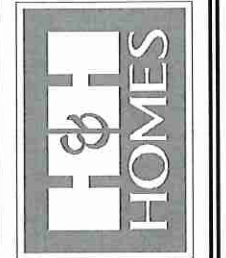
**RENAISSANCE**

RESIDENTIAL DESIGN, INC.  
4810 GLENNIST CT., J. 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 COMMENCING 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. IF YOU ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING OUR 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-1735



PRICES, PROPORTIONS, INTERIORS, FEATURES, OPTIONS, FLOOR PLANS, ELEVATIONS, DESIGNS, MATERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS WILL BE DETERMINED BY THE SITE PLAN AND PLOT PLAN. CONCRETE FOUNDATION, POSITION OF HOUSE ON LOT, FLOOR PLANS AND ELEVATION RENDERINGS ARE ARTIST CONCEPTIONS. FLOOR PLANS ARE THE COPYRIGHTED PROPERTY OF H&H HOMES, INC. ANY REPRODUCTION, ADAPTATION, OR DISSEMINATION OF THESE PLANS IS STRICTLY PROHIBITED. SEE NEW HOME SALES CONSULTANT FOR CURRENT DETAILS. COPYRIGHT 2015 H&H HOMES

H&H HOMES, INC.  
HATTERAS DRIVE LEFT

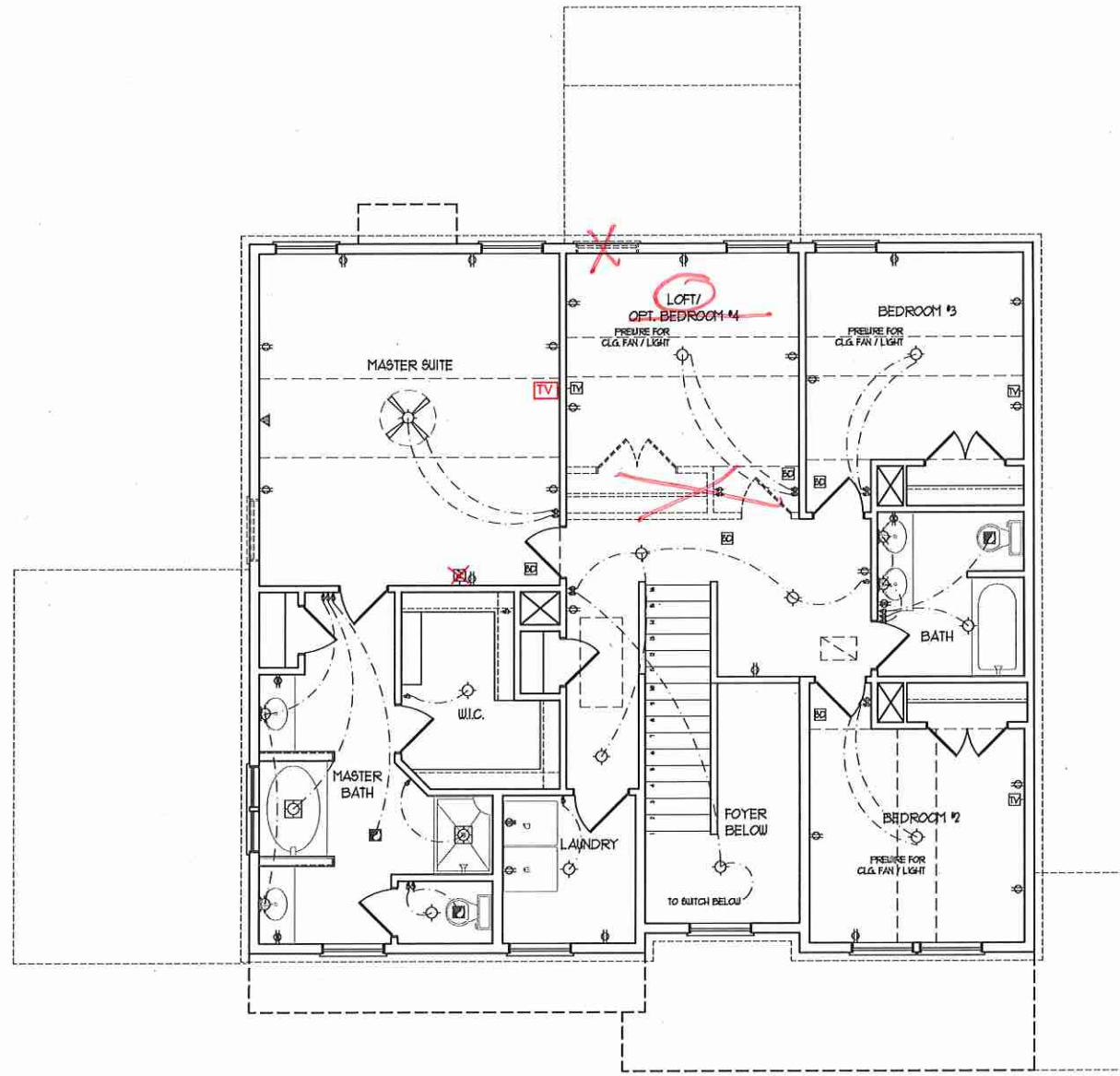
DATE: DECEMBER 4, 2015  
REV.:  
SCALE: 1/4"=1'-0"  
DRAWN BY: WG  
ENGINEERED BY: WLF  
REVIEWED BY: JES

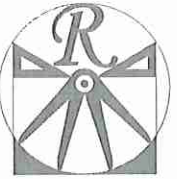
SECOND FLOOR  
ELECTRICAL  
PLAN

E-2

**ELECTRICAL LAYOUT NOTES:**  
1) BLOCK AND WIRE FOR ALL CEILING FANS PER PLAN.  
2) VANITY LIGHTS TO BE SET @ 50" AFF. (TYP)  
3) ADDITIONAL EXTERIOR OUTLETS REQUIRED BY CODE TO BE LOCATED BY ELECTRICIAN.  
4) PLACE SWITCHES 6" MIN FROM ROUGH OPENINGS.

- ELECTRICAL LEGEND**
- 120 V OUTLET
  - 120 V GFI OUTLET
  - 120 V SWITCHED OUTLET
  - 120 V BASEBOARD OUTLET
  - 4-FLEX
  - COUNTER OR FLOOR MOUNTED
  - COUNTER OR FLOOR MOUNTED 120V GFI
  - LEATHERPROOF
  - 120 V OUTLET
  - 120 V DEDICATED CIRCUIT
  - 220 V DEDICATED CIRCUIT
  - SPECIAL PURPOSE (740 V, ETC.)
  - WALL MOUNT LIGHT
  - CEILING MOUNT LIGHT
  - PENDANT LIGHT
  - RECESSED CAN LIGHT
  - 120V CAN LIGHT
  - EYEBALL LIGHT
  - FLUORESCENT LIGHT
  - UNDERCABINET LIGHT
  - FLOOD LIGHT
  - SWITCH
  - 3-WAY SWITCH
  - 4-WAY SWITCH
  - DIMMER SWITCH
  - TELEPHONE
  - TV CONNECTION
  - CONDUIT FOR COMPONENT WIRING
  - SPEAKER
  - DOORBELL CHIME
  - 120 V SMOKE DETECTOR
  - EXHAUST FAN
  - LOW VOLTAGE PANEL
  - CEILING FAN
  - CEILING FAN W/ LIGHT





RENAISSANCE  
RESIDENTIAL DESIGN, INC.

4810 GLENNIST CT., | RALEIGH, NC 27612  
(919) 648-4128  
WWW.RRDCAROLINA.COM  
"The art of transforming your vision into reality."

RENAISSANCE RESIDENTIAL DESIGN, INC. RECEIVES THE RIGHT TO MAKE MODIFICATIONS TO FLOOR PLANS, DIMENSIONS, MATERIALS AND SPECIFICATIONS WITHOUT NOTICE. THESE DRAWINGS ARE FOR THE PURPOSE OF CONSTRUCTION AND 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 THE EXPRESS WRITTEN CONSENT OF RENAISSANCE RESIDENTIAL DESIGN, INC. IF YOU ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING 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-1135



PRICES, PROMOTIONS, INCENTIVES, FEATURES, OPTIONS, FLOOR PLANS, ELEVATIONS, DESIGN, MATERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS 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 REPRODUCTION, ADAPTATION, OR DISPLAY OF THESE PLANS IS STRICTLY PROHIBITED. SEE NEW HOME SALES CONSULTANT FOR CURRENT DETAILS. COPYRIGHT 2015 H&H HOMES

H&H HOMES, INC.  
HATTERAS DRIVE LEFT

DATE: DECEMBER 4, 2015  
REV.:  
SCALE: 1/4"=1'-0"  
DRAWN BY: WG  
ENGINEERED BY: WLF  
REVIEWED BY: JES

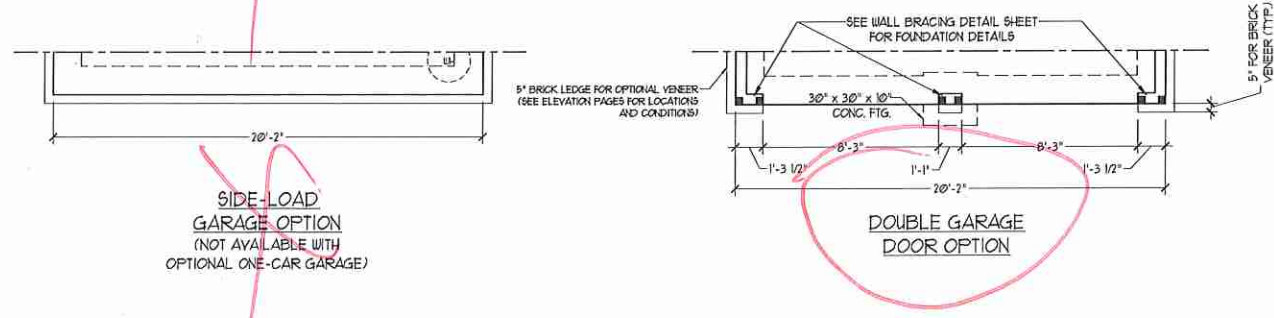
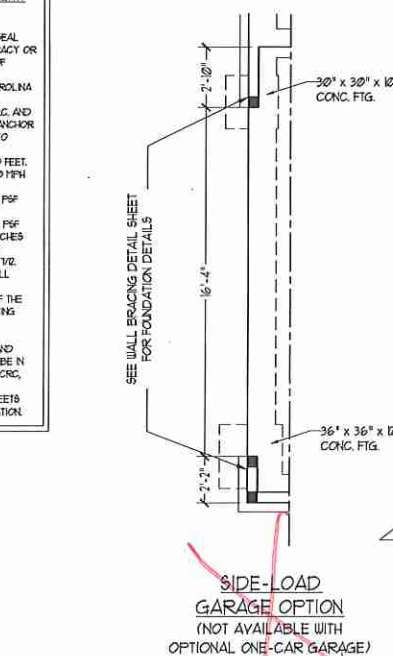
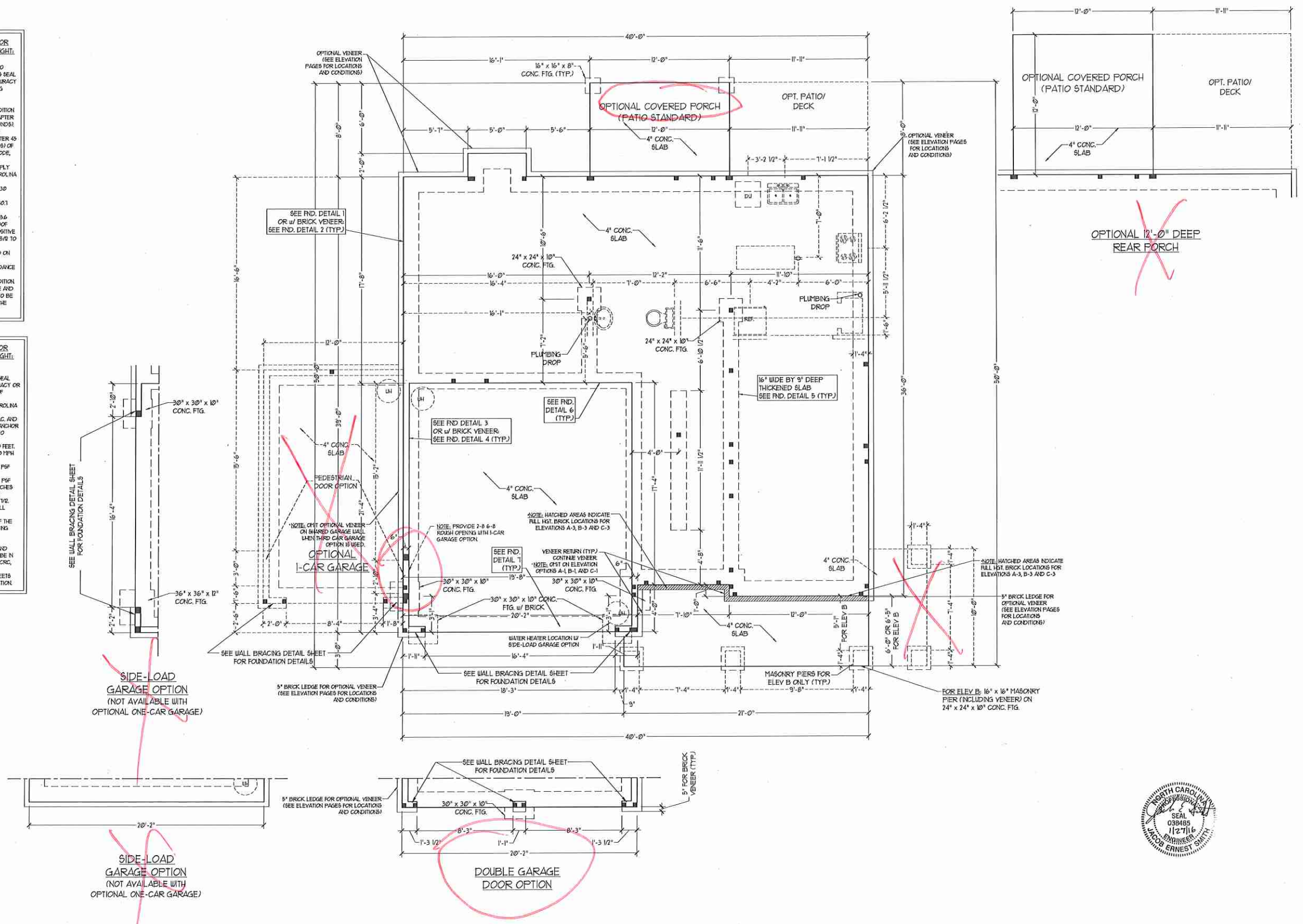
MONO SLAB  
FOUNDATION  
PLAN

S-1



**130-MPH WIND ZONE NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT:**  
1) ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.  
2) STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2002 EDITION WITH SPECIAL CONSIDERATION TO CHAPTER 45 ("HIGH WIND ZONES" FOR 130 MPH WINDS).  
3) BUILDER IS TO PROVIDE FRAMING CONNECTIONS AS REQUIRED BY CHAPTER 45 ("HIGH WIND ZONES" FOR 130 MPH WINDS) OF THE NORTH CAROLINA RESIDENTIAL CODE, 2002 EDITION.  
4) FOUNDATION ANCHORAGE TO COMPLY WITH SECTION 4504 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2002 EDITION.  
5) MEAN ROOF HEIGHT IS LESS THAN 30 FEET.  
6) WALL CLADDING DESIGNED FOR 401 PSF (POSITIVE AND NEGATIVE).  
7) ROOF CLADDING DESIGNED FOR 35.6 PSF (POSITIVE AND NEGATIVE) FOR ROOF PITCHES 1/2 TO 1/2 AND 3.51 PSF (POSITIVE AND NEGATIVE) FOR ROOF PITCHES 22.5/12 TO 1/2.  
8) 1/2" OSB SHEATHING IS REQUIRED ON ALL EXTERIOR WALLS.  
9) WALLS TO BE BRACED IN ACCORDANCE WITH SECTION R602.03 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2002 EDITION.  
10) ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 1 OF THE NRCG, 2002 EDITION.

**100-MPH WIND ZONE NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT:**  
1) ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.  
2) STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2002 EDITION.  
3) INSTALL 1/2" ANCHOR BOLTS 6'-0" O.C. AND WITHIN 1'-0" FROM END OF EACH PLATE. ANCHOR BOLTS MUST EXTEND A MINIMUM OF 1" INTO MASONRY OR CONCRETE.  
4) MEAN ROOF HEIGHT IS LESS THAN 30 FEET.  
5) EXTERIOR WALLS DESIGNED FOR 100 MPH WINDS.  
6) WALL CLADDING DESIGNED FOR 241 PSF (POSITIVE AND NEGATIVE).  
7) ROOF CLADDING DESIGNED FOR 210 PSF (POSITIVE AND NEGATIVE) FOR ROOF PITCHES 1/2 TO 1/2 AND 3.48 PSF (POSITIVE AND NEGATIVE) FOR ROOF PITCHES 22.5/12 TO 1/2.  
8) INSTALL 1/2" OSB SHEATHING ON ALL EXTERIOR WALLS OF ALL STOREYS IN ACCORDANCE WITH SECTION R602.03 OF THE NRCG, 2002 EDITION. SEE THE WALL BRACING NOTES AND DETAILS SHEET FOR MORE INFORMATION.  
9) ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 1 OF THE NRCG, 2002 EDITION.  
10) REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.





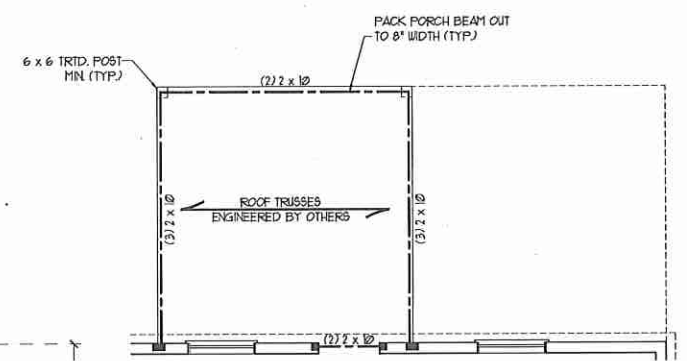
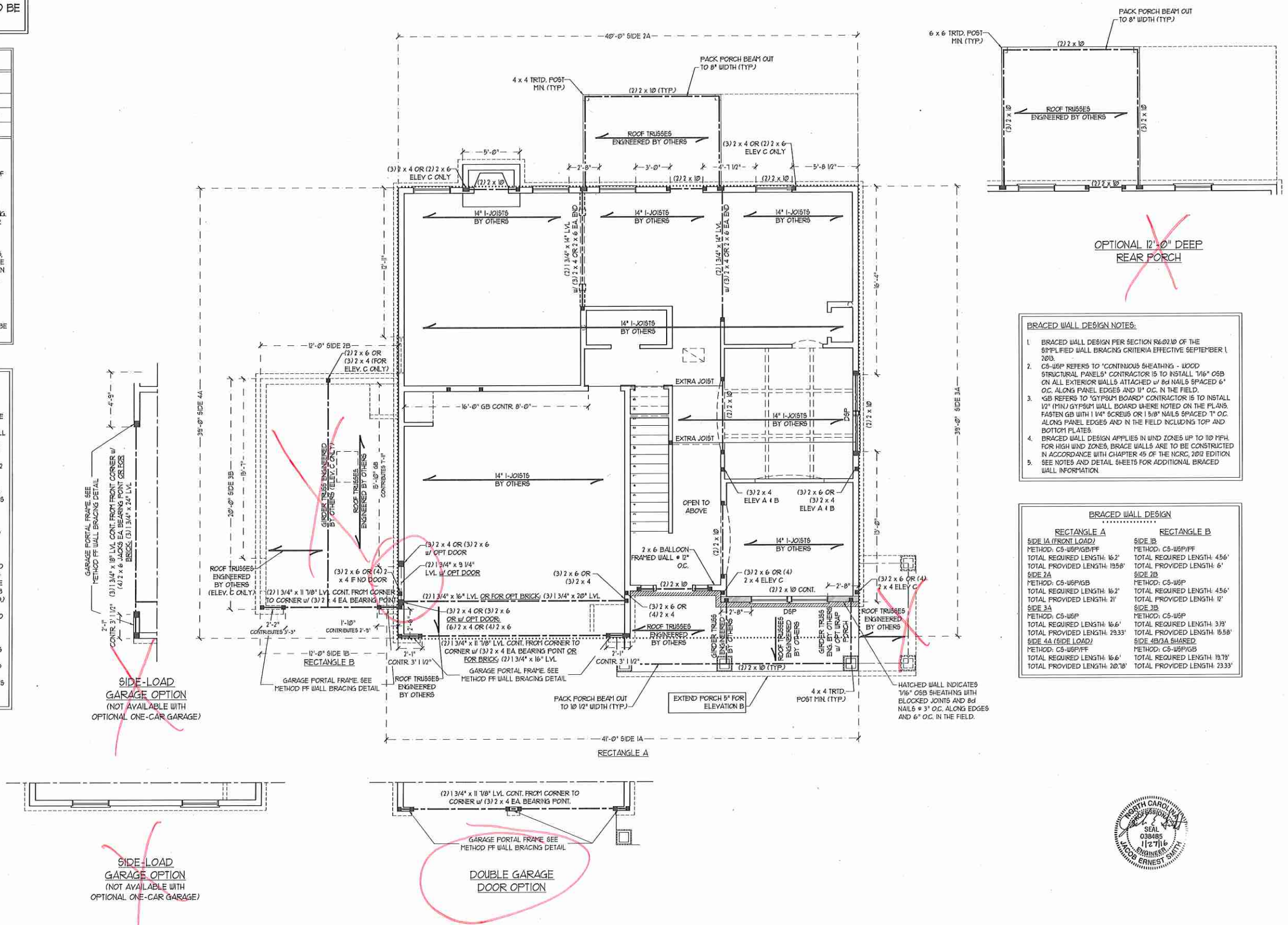
**NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 @ 16" O.C. (UNO). 2 x 4 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 6 WALLS (UNO). ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. (UNO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (UNO).**

LINTEL SCHEDULE FOR BRICK/NATURAL STONE SUPPORT	
LENGTH (FT.)	SIZE OF LINTEL
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 LLY
8 AND GREATER	L 6 x 4 x 5/16 LLY

- NOTES:**
- LINTEL SCHEDULE APPLIES TO ALL OPENINGS IN BRICK VENEER (UNO). SEE ARCH DGS. FOR SIZE AND LOCATION OF OPENINGS.
  - (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 A 5" x 3 1/2" x 5/16" STEEL ANGLE TO 2 x 10 BLOCKING INSTALLED BETWEEN WALL STUDS W/ 1/2" LAG SCREWS @ 12" O.C. STAGGERED AND IN ACCORDANCE TO SECTION R103.122 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2012 EDITION.
  - PRECAST REINFORCED CONCRETE LINTELS ENGINEERED BY OTHERS MAY BE USED IN LIEU OF STEEL LINTELS.

- STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE #2 SFF (UNO).
  - ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 (UNO).
  - PROVIDE AN EXTRA JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS.
  - ALL BEAMS ARE TO BE SUPPORTED WITH (2) 2 x 4 PER END (UNO).
  - FOR HIGH WIND ZONES, PROVIDE (2) 2 x 6 KING STUDS EA. SIDE OF EXTERIOR WINDOW AND DOOR HEADERS w/ CLEAR OPENINGS LESS THAN 6'-0" AND (3) 2 x 6 KING STUDS EA. SIDE OF HEADERS w/ CLEAR OPENINGS GREATER THAN 6'-0".
  - SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION.
  - ALL 4 x 4 POSTS SHALL BE ANCHORED TO SLABS W/ SIMPSON ABU44 POST BASES (OR EQUAL) AND 6 x 6 POSTS W/ ABU66 POST BASES (OR EQUAL) (UNO). ALL POSTS TO BE ANCHORED TO FRAMING WITH 100 LB CAPACITY UPLIFT CONNECTORS (UNO).
  - FOR FIBERGLASS, ALUMINUM, OR COLUMN ENG. BY OTHERS, SECURE TO SLAB W/ (2) METAL ANGLES USING 2" CONC. SCREWS FASTEN ANGLES TO COLLUMS 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.

DSP DENOTES DOUBLE STUD POCKET



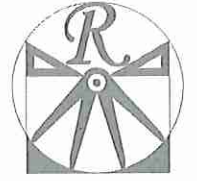
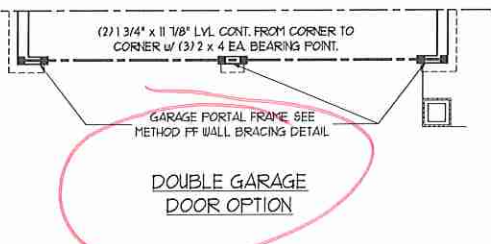
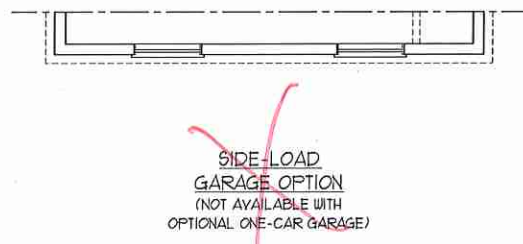
~~OPTIONAL 12'-0" DEEP REAR PORCH~~

- BRACED WALL DESIGN NOTES:**
- BRACED WALL DESIGN PER SECTION R602.10 OF THE SIMPLIFIED WALL BRACING CRITERIA EFFECTIVE SEPTEMBER 1, 2013.
  - C5-WSF REFERS TO 'CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS' CONTRACTOR IS TO INSTALL 1/8" OSB ON ALL EXTERIOR WALLS ATTACHED W/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
  - GB REFERS TO 'GYPSUM BOARD' CONTRACTOR IS TO INSTALL 1/2" (MIN) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 12" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM FLATES.
  - BRACED WALL DESIGN APPLIES IN WIND ZONES UP TO 110 MPH. FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NRCR, 2012 EDITION.
  - SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

**BRACED WALL DESIGN**

RECTANGLE A		RECTANGLE B	
SIDE 1A (FRONT LOAD)	SIDE 1B	SIDE 2A	SIDE 2B
METHOD: C5-WSF/GB/FF	METHOD: C5-WSF/FF	METHOD: C5-WSF/GB	METHOD: C5-WSF
TOTAL REQUIRED LENGTH: 16.2'	TOTAL REQUIRED LENGTH: 4.56'	TOTAL REQUIRED LENGTH: 16.2'	TOTAL REQUIRED LENGTH: 4.56'
TOTAL PROVIDED LENGTH: 19.58'	TOTAL PROVIDED LENGTH: 6'	TOTAL PROVIDED LENGTH: 21'	TOTAL PROVIDED LENGTH: 12'
SIDE 3A	SIDE 3B	SIDE 4A (SIDE LOAD)	SIDE 4B (SIDE LOAD)
METHOD: C5-WSF	METHOD: C5-WSF	METHOD: C5-WSF/FF	METHOD: C5-WSF/GB
TOTAL REQUIRED LENGTH: 16.6'	TOTAL REQUIRED LENGTH: 3.93'	TOTAL REQUIRED LENGTH: 16.6'	TOTAL REQUIRED LENGTH: 19.79'
TOTAL PROVIDED LENGTH: 23.33'	TOTAL PROVIDED LENGTH: 15.58'	TOTAL PROVIDED LENGTH: 20.18'	TOTAL PROVIDED LENGTH: 23.33'

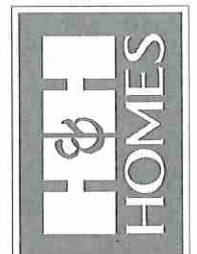
HATCHED WALL INDICATES 1/8" OSB SHEATHING WITH BLOCKED JOISTS AND 8d NAILS @ 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.



**RENAISSANCE**  
RESIDENTIAL DESIGN, INC.  
4810 GLENNIST CT. | RALEIGH, NC 27612  
(919) 640-4120  
WWW.RDGCAROLINA.COM

RENAISSANCE RESIDENTIAL DESIGN, INC. HEREBY EXPRESSLY RESERVES ITS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, COPIED, OR COPIED IN ANY FORM OR MANNER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF RENAISSANCE RESIDENTIAL DESIGN, INC. FOR ANY PARTY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT.

**J.S. THOMPSON**  
ENGINEERING, INC.  
606 WADE AVE., SUITE 104  
RALEIGH, NC 27605  
PHONE: (919) 780-9919  
FAX: (919) 789-9921  
N.C. LICENSE NO. C-1133



PRICE PROMOTIONS, INCENTIVES, FEATURES, OPTIONS, FLOOR PLANS, ELEVATIONS, DESIGN MATERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS 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. ALL RIGHTS ARE STRICTLY PROHIBITED. SEE NEW HOME SALES CONSULTANT FOR CURRENT DETAILS. COPYRIGHT 2015 H&H HOMES

H&H HOMES, INC.  
HATTERAS DRIVE LEFT

DATE: DECEMBER 4, 2015  
REV.:  
SCALE: 1/4"=1'-0"  
DRAWN BY: WG  
ENGINEERED BY: WLF  
REVIEWED BY: JES

SECOND FLOOR FRAMING PLAN  
S-2



**NOTE:** ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 @ 16" O.C. (UNO). 2 x 4 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 6 WALLS (UNO). ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. (UNO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (UNO).

**BRACED WALL DESIGN NOTES:**

- BRACED WALL DESIGN PER SECTION R602.10 OF THE SIMPLIFIED WALL BRACING CRITERIA EFFECTIVE SEPTEMBER 1, 2013.
- CS-WSP REFERS TO 'CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS' CONTRACTOR IS TO INSTALL 1/2" OSB ON ALL EXTERIOR WALLS ATTACHED w/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
- GB REFERS TO 'GYPSUM BOARD' CONTRACTOR IS TO INSTALL 1/2" (MIN) GYPSUM BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 12" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM FLATES.
- BRACED WALL DESIGN APPLIES IN WIND ZONES UP TO 100 MPH. FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NCR, 2012 EDITION.
- SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

**NOTE:**

- PER SECTION R602.10.3.2 OF THE 2012 NCR, 2012 EDITION THE AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.
- SHEATH ALL EXTERIOR WALLS WITH 1/2" OSB SHEATHING ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

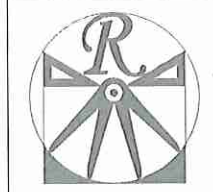
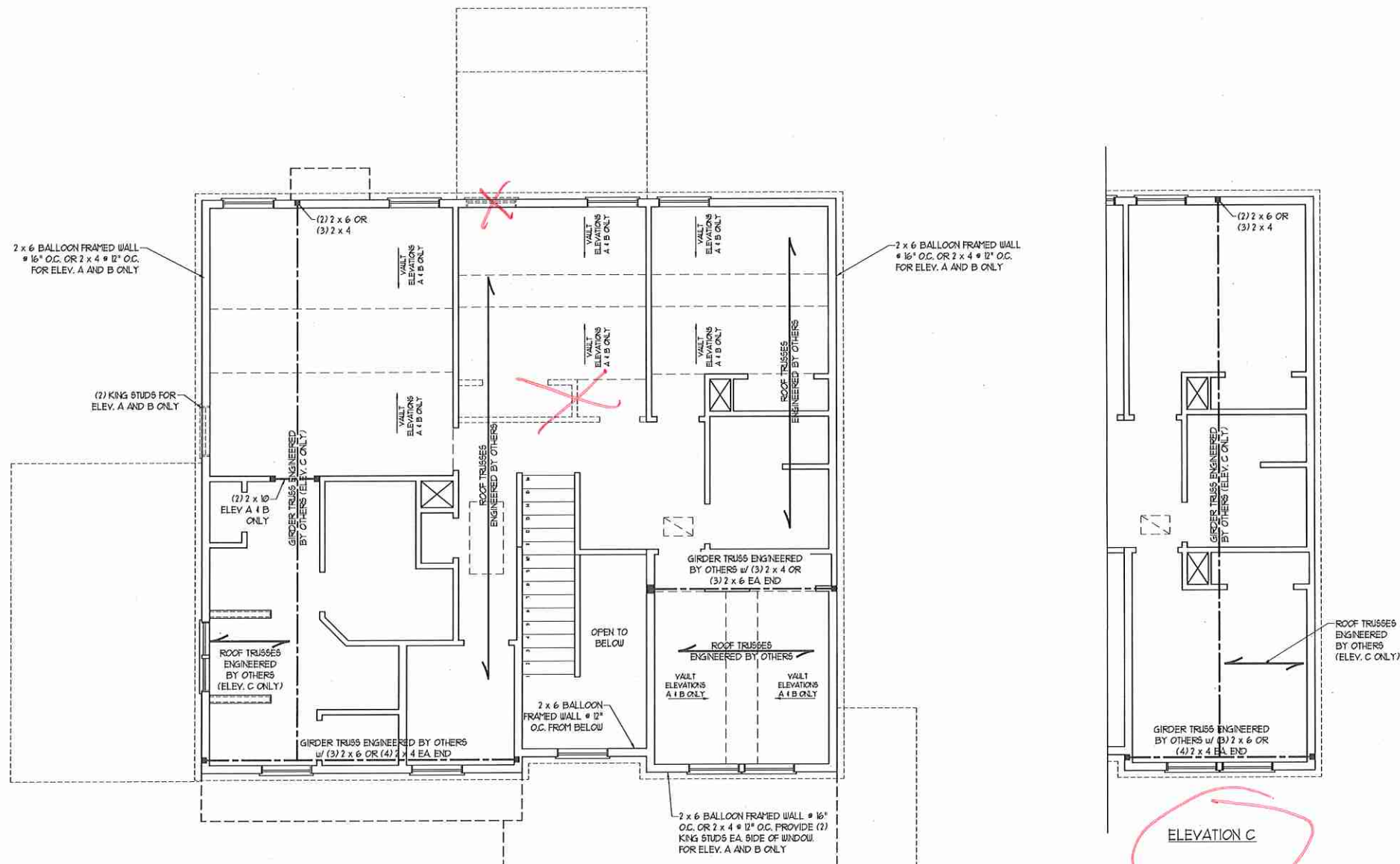
LINTEL SCHEDULE FOR BRICK/NATURAL STONE SUPPORT	
LENGTH (FT.)	SIZE OF LINTEL
UP TO 4 FT.	L 3 1/2 x 3 1/2 x 1/4
4-8	L 5 x 3 1/2 x 5/16 LLY
8 AND GREATER	L 6 x 4 x 5/16 LLY

**NOTES:**

- LINTEL SCHEDULE APPLIES TO ALL OPENINGS IN BRICK VENEER (UNO). SEE ARCH DRGS. FOR SIZE AND LOCATION OF OPENINGS.
- (LLV) = LONG LEG VERTICAL
- LENGTH = CLEAR OPENING
- EMBED ALL ANGLE IRONS MIN 4" EACH SIDE INTO VENEER TO PROVIDE BEARING.
- FOR ALL HEADERS 6'-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 A 5" x 3 1/2" x 5/16" STEEL ANGLE TO 2 x 10 BLOCKING INSTALLED BETWEEN WALL STUDS w/ 1/2" LAG SCREWS 12" O.C. STAGGERED AND IN ACCORDANCE TO SECTION R103.122 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2012 EDITION.
- PRECAST REINFORCED CONCRETE LINTELS ENGINEERED BY OTHERS MAY BE USED IN LIEU OF STEEL LINTELS.

**STRUCTURAL NOTES:**

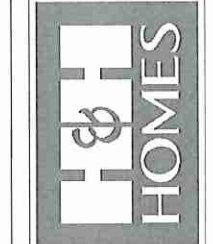
- ALL FRAMING LUMBER TO BE #2 SFF (UNO).
- ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 (UNO).
- ALL BEAMS ARE TO BE SUPPORTED WITH (2) 2 x 4 PER END (UNO).
- FOR HIGH WIND ZONES, PROVIDE (2) 2 x 6 KING STUDS EA. SIDE OF EXTERIOR WINDOW AND DOOR HEADERS w/ CLEAR OPENINGS LESS THAN 6'-0" AND (3) 2 x 6 KING STUDS EA. SIDE OF HEADERS w/ CLEAR OPENINGS GREATER THAN 6'-0".
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.



**RENAISSANCE**  
RESIDENTIAL DESIGN, INC.  
4819 GLENNIST CT., J. RALEIGH, NC 27612  
(919) 649-4123  
WWW.RDNCAROLINA.COM  
"The art of transforming your vision into reality."

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. NO PART OF THESE PLANS OR DRAWINGS ARE TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT.

**J.S. THOMPSON ENGINEERING, INC.**  
605 WADE AVE., SUITE 101  
RALEIGH, NC 27605  
PHONE: (919) 789-9919  
FAX: (919) 789-9921  
N.C. LICENSE NO.: C-1133



PRICE, PROMOTIONS, INCENTIVES, FEATURES, OPTIONS, FLOOR PLANS, ELEVATIONS, RESINOS, MATERIALS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SQUARE FOOTAGE AND DIMENSIONS WILL BE DETERMINED BY THE SITE PLAN AND PLOT PLAN. CONSTRUCTION, ACTUAL POSITION OF HOUSE ON LOT, FLOOR PLANS AND ELEVATION RENDERINGS ARE ARTIST CONCEPTIONS. FLOOR PLANS ARE THE COPYRIGHTED PROPERTY OF H&H HOMES, INC. NO REPRODUCTION, ADAPTATION, OR DISPLAY OF THE PLANS IS STRICTLY PROHIBITED. SEE NEW-HOME SALES CONSULTANT FOR CURRENT DETAILS. COPYRIGHT 2015 H&H HOMES

H&H HOMES, INC.  
HATTERAS DRIVE LEFT

DATE: DECEMBER 4, 2015  
REV.:  
SCALE: 1/4"=1'-0"  
DRAWN BY: WG  
ENGINEERED BY: WLF  
REVIEWED BY: JES

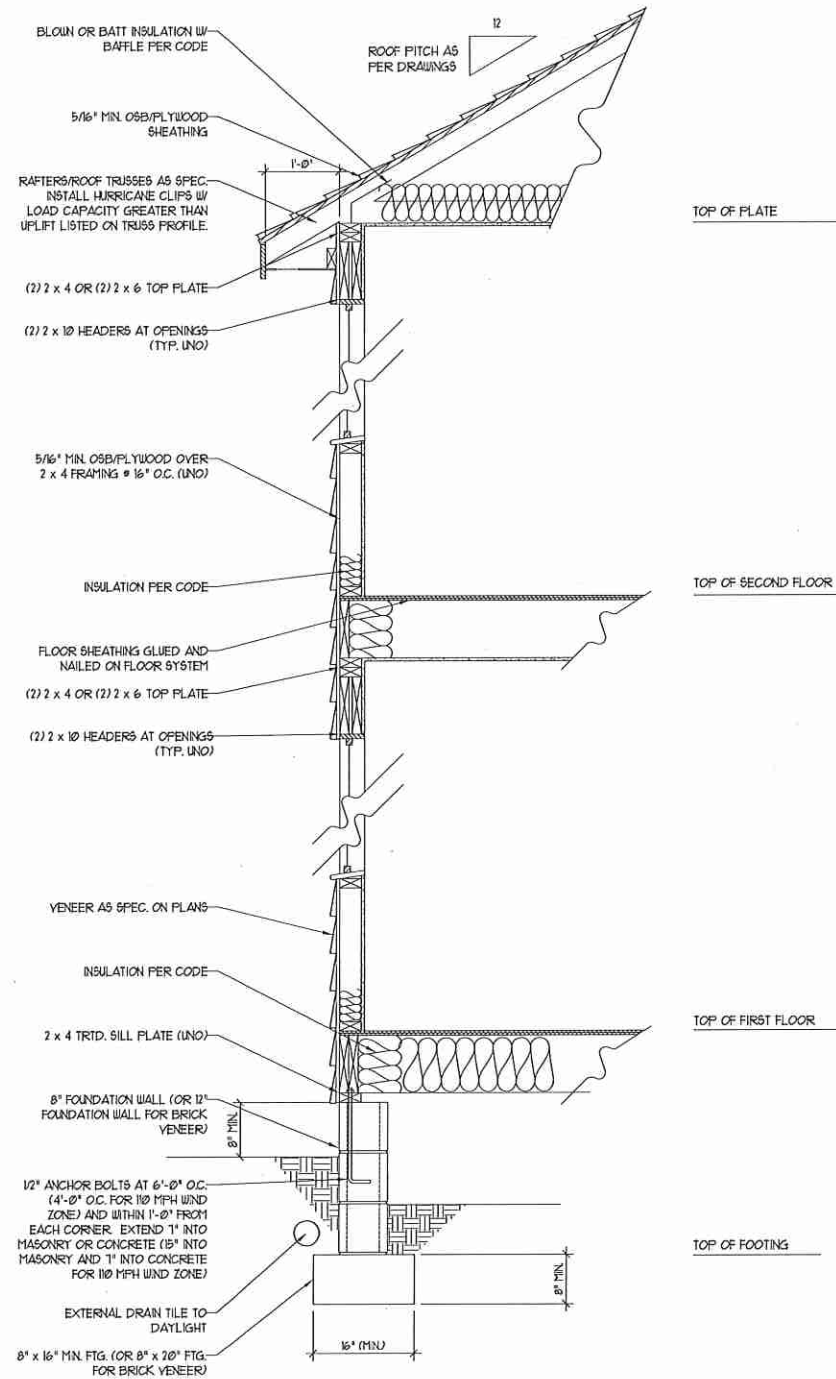
ATTIC FLOOR FRAMING PLAN  
S-3





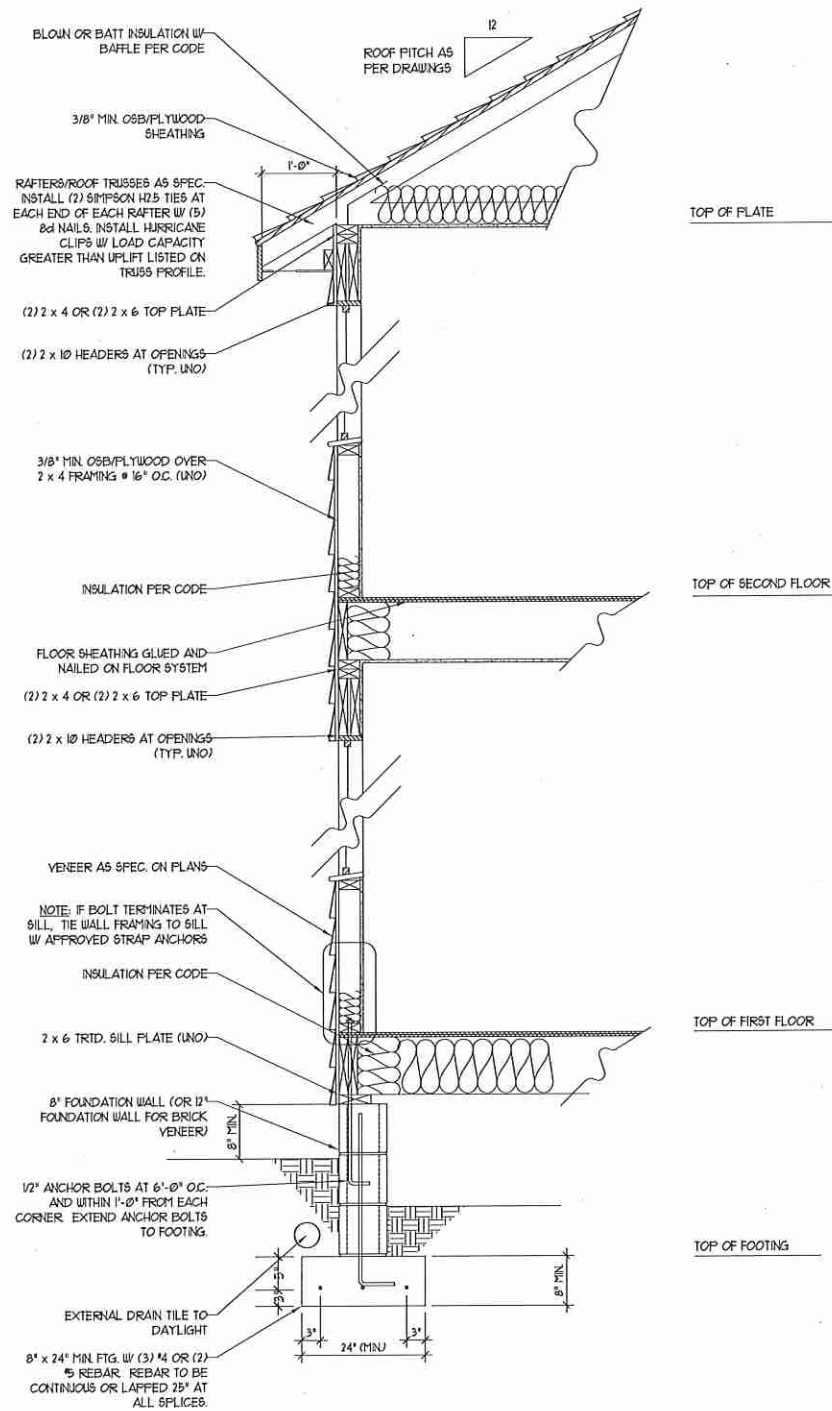


# 100/110 MPH WIND ZONE



WALL SECTION W/ CRAWL SPACE  
W/ STD. SIDING SHOWN (NTS)

# 120/130 MPH WIND ZONE



WALL SECTION W/ CRAWL SPACE  
W/ STD. SIDING SHOWN (NTS)



**NOTE:**  
- BUILDER IS TO PROVIDE FRAMING CONNECTIONS AS REQUIRED BY CHAPTER 45 ("HIGH WIND ZONES" FOR 100/120/130 MPH WINDS) AND CHAPTER 46 (COASTAL AND FLOOD PLAIN CONSTRUCTION STANDARDS) OF THE NORTH CAROLINA STATE BUILDING CODE, 2012 EDITION.

**J.S. THOMPSON  
ENGINEERING, INC**  
606 WADE AVE. SUITE 104 RALEIGH, NC 27605  
PHONE: (919) 786-9919 FAX: (919) 786-9921  
N.C. LICENSE NO.: C-1733

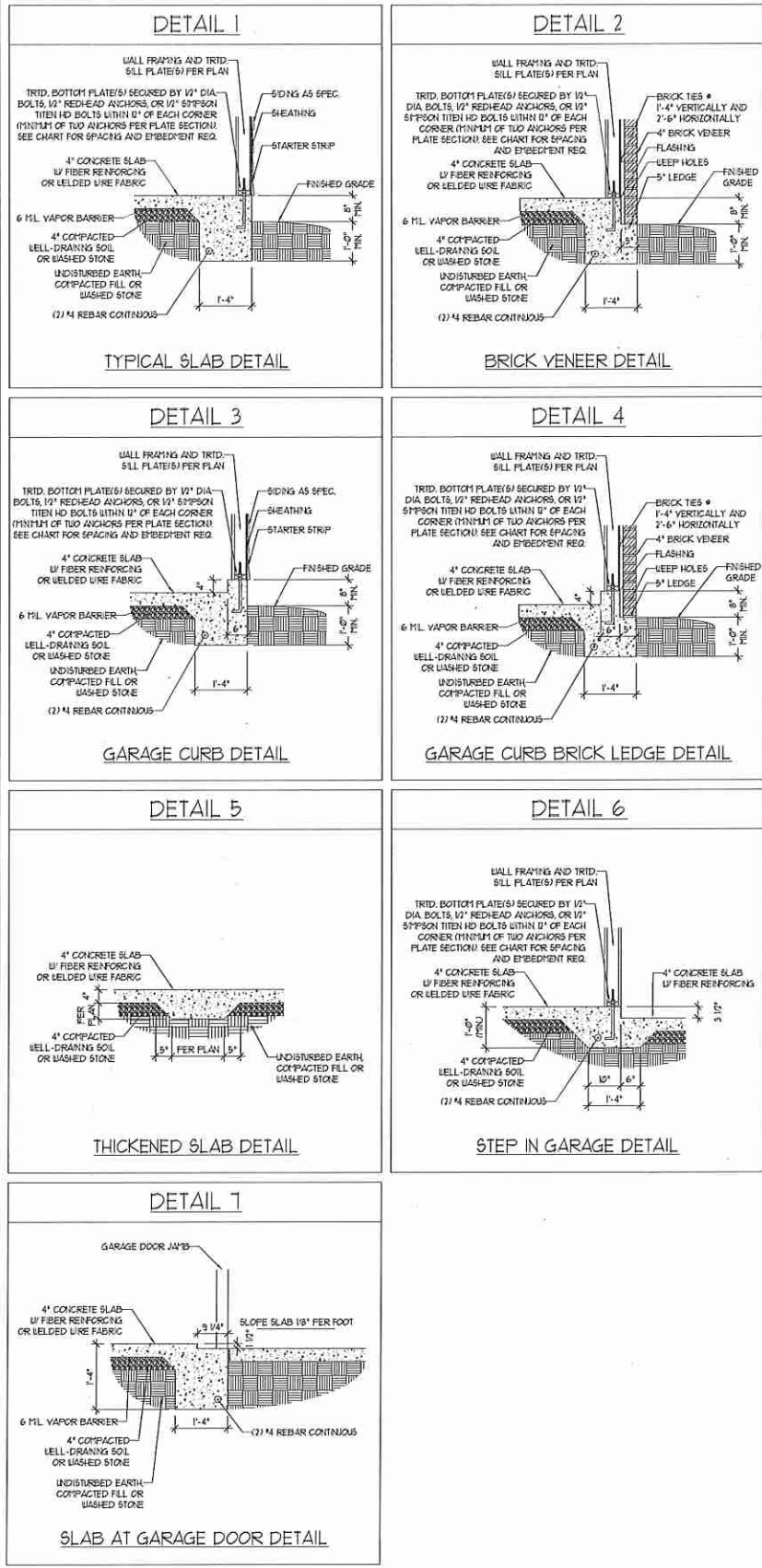
DETAILS

DATE: JULY 12, 2012
SCALE: NTS
DRAWN BY: JST
ENGINEERED BY: JST
REVIEWED BY: MGS

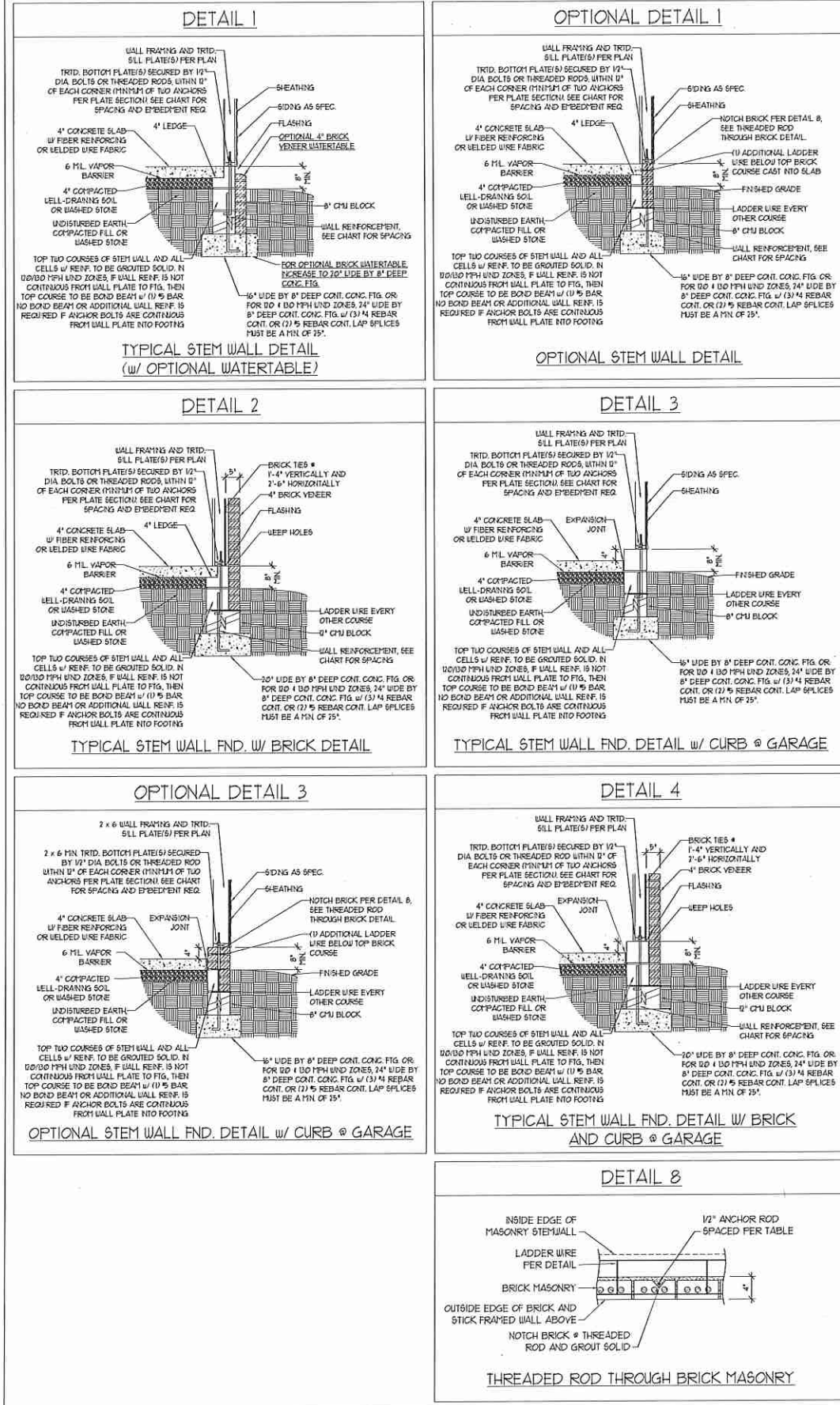
TYPICAL WALL SECTION



MONOLITHIC SLAB DETAILS



STEMWALL DETAILS



MASONRY STEMWALL SPECIFICATIONS

WALL HEIGHT (FEET)	MASONRY WALL TYPE			
	8" CMU	4" BRICK AND 4" CMU	4" BRICK AND 8" CMU	12" CMU
2 AND BELOW	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
3	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
4	GROUT SOLID	GROUT SOLID w/ #4 REBAR @ 48" O.C.	GROUT SOLID	GROUT SOLID w/ #4 REBAR @ 64" O.C.
5	GROUT SOLID w/ #4 REBAR @ 36" O.C.	NOT APPLICABLE	GROUT SOLID w/ #4 REBAR @ 36" O.C.	GROUT SOLID w/ #4 REBAR @ 64" O.C.
6	GROUT SOLID w/ #4 REBAR @ 24" O.C.	NOT APPLICABLE	GROUT SOLID w/ #4 REBAR @ 24" O.C.	GROUT SOLID w/ #4 REBAR @ 64" O.C.
1 AND GREATER	ENGINEERED DESIGN BASED ON SITE CONDITIONS			

- STRUCTURAL NOTES:
- WALL HEIGHT MEASURED FROM TOP OF FOOTING TO TOP OF THE WALL.
  - TIE MULTIPLE UNITIES TOGETHER WITH LADDER WIRE AT 16" VERTICALLY.
  - CHART APPLICABLE FOR HOUSE FOUNDATION ONLY. CONSULT ENGINEER FOR DESIGN OF GARAGE FOUNDATION NOT COMMON TO HOUSE.
  - BACKFILL OF CLEAN #1 1/2" WASHED STONE IS ALLOWABLE.
  - BACKFILL OF WELL DRAINED OR SAND - GRAVEL MIXTURE SOILS (45 PPMF BELOW GRADE) CLASSIFIED AS GROUP 1 ACCORDING TO UNIFIED SOILS CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE 202.1 OF THE 2012 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.
  - PREP SLAB PER RES22 AND RES22.2 BASE OF THE 2012 INTERNATIONAL RESIDENTIAL CODE. MINIMUM 24" LAP SPlice LENGTH.
  - LOCATE REBAR IN CENTER OF FOUNDATION WALL.
  - 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	120 MPH	130 MPH
SPACING	6'-0" O.C. 3'-0" O.C. FOR STRAPS	4'-0" O.C. 2'-0" O.C. FOR STRAPS
EMBEDMENT	1"	15" INTO MASONRY 1" INTO CONCRETE
WIND ZONE	120 MPH	130 MPH
SPACING	6'-0" O.C. w/ DBL SILL PLATE OR 4'-0" O.C. w/ SINGLE SILL PLATE w/ 2" x 2" x 1/8" WASHERS	6'-0" O.C. w/ DBL SILL PLATE OR 4'-0" O.C. w/ SINGLE SILL PLATE w/ 2" x 2" x 1/8" WASHERS
EMBEDMENT	15" INTO MASONRY 1" INTO CONCRETE	15" INTO MASONRY 1" INTO CONCRETE

NOTE: HORIZONTAL FOOTING REBAR REQUIRED IN HIGH WIND ZONES ONLY (120 MPH - 130 MPH)



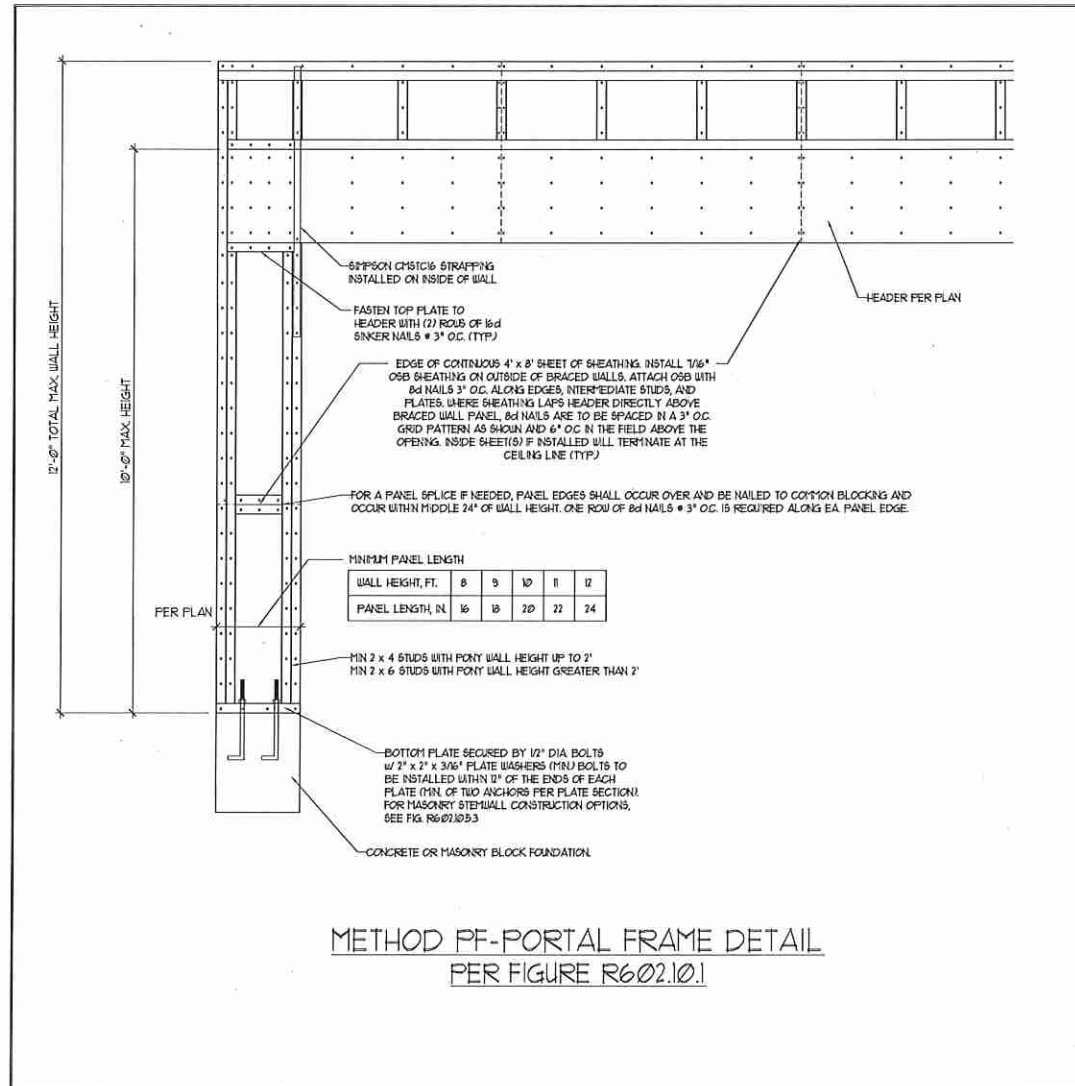
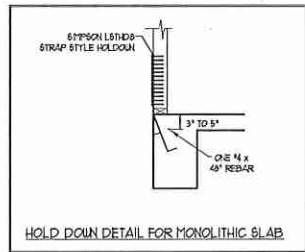
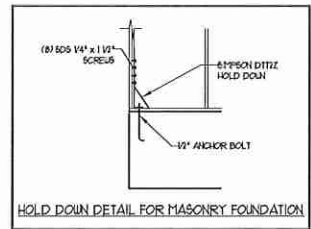
**J.S. THOMPSON ENGINEERING, INC.**  
 606 WADE AVE., SUITE 104, RALEIGH, NC 27605  
 PHONE: (919) 786-9919 FAX: (919) 786-9921  
 N.C. LICENSE NO.: C-1733

FOUNDATION DETAILS

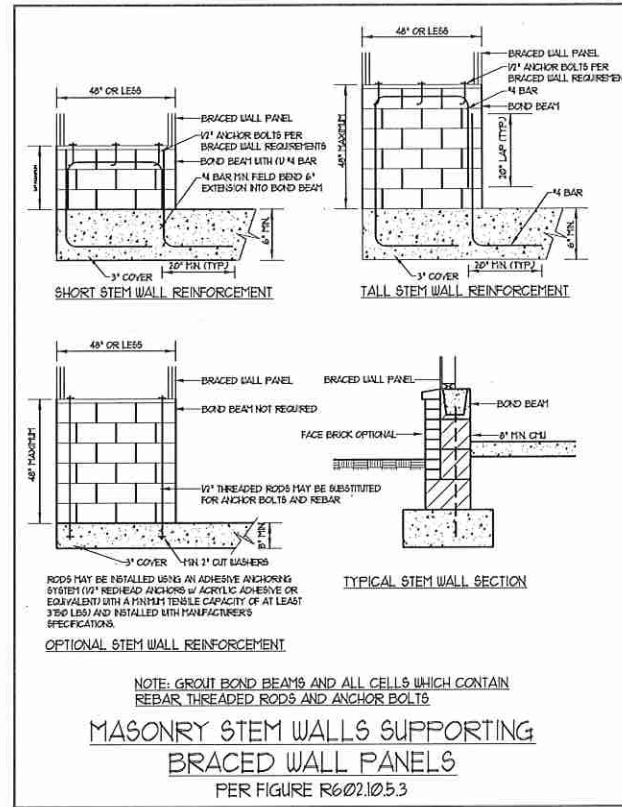
DATE: AUGUST 14, 2015  
 SCALE: NTS  
 DRAWN BY: JST  
 ENGINEERED BY: JES

FOUNDATION DETAILS

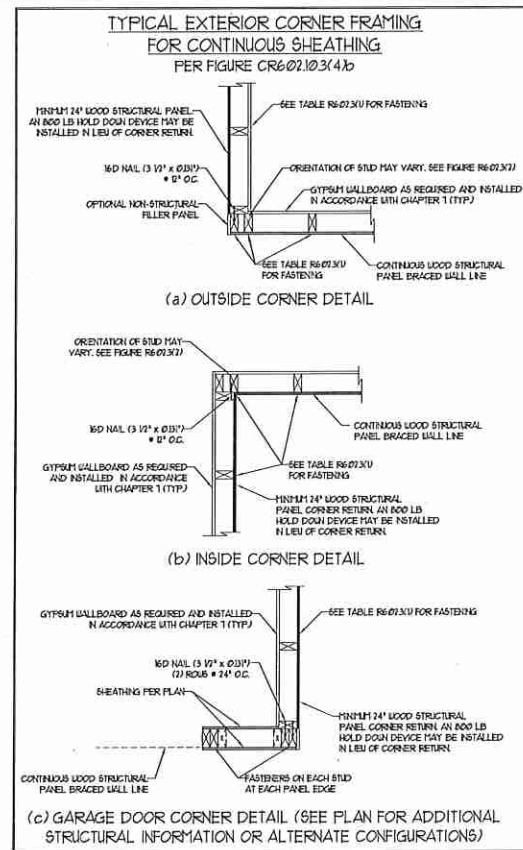




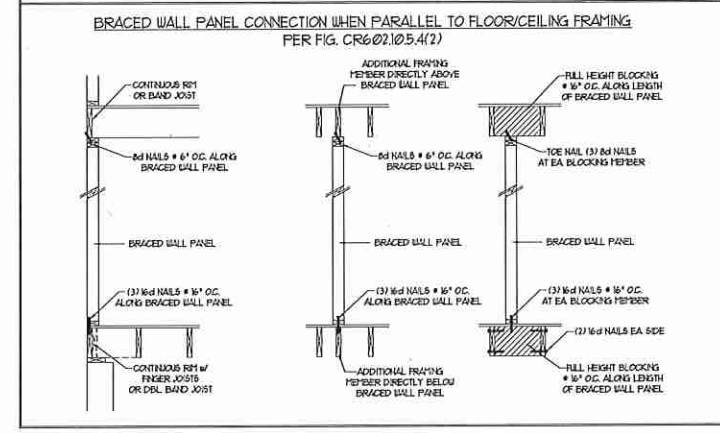
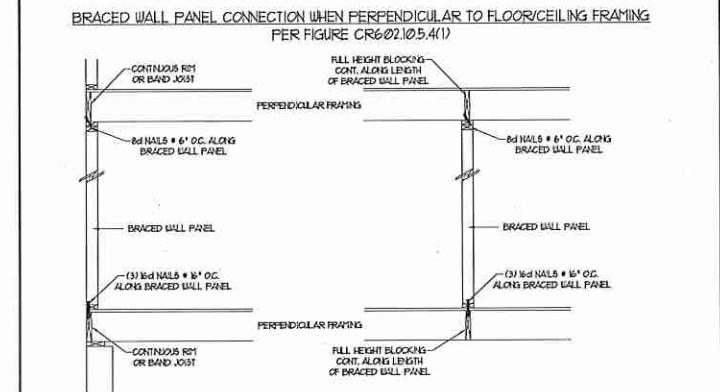
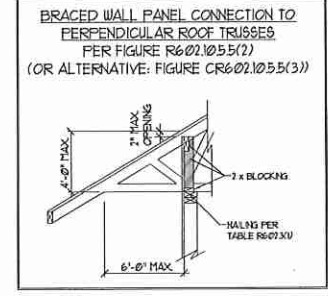
METHOD PF-PORTAL FRAME DETAIL PER FIGURE R602.10.1



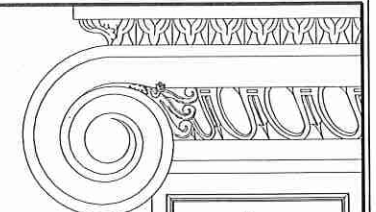
MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS PER FIGURE R602.10.5.3



(c) GARAGE DOOR CORNER DETAIL (SEE PLAN FOR ADDITIONAL STRUCTURAL INFORMATION OR ALTERNATE CONFIGURATIONS)



- GENERAL WALL BRACING NOTES:
1. WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2012 NC RESIDENTIAL BUILDING CODE (NCRCA) TABLES AND FIGURES REFERENCED ARE FROM THE 2012 NCRCA.
  2. SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2012 NCRCA FOR ADDITIONAL INFORMATION AS NEEDED.
  3. 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 OR REQUIREMENTS.
  4. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-USP 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 R102.35. METHOD GB TO BE FASTENED PER TABLE R602.10.1
  6. CS-USP REFERS TO THE "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 1/6" OSB SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED w/ 6d COMMON NAILS OR 8d (2 1/2" LONG x 0.13" DIAMETER) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (UNO).
  7. 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 (UNO). VERIFY ALL FASTENER OPTIONS FOR 1/2" AND 5/8" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENER OPTIONS SEE TABLE R102.35. 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-USP CONTRIBUTES ITS ACTUAL LENGTH, METHOD GB CONTRIBUTES 5 ITS ACTUAL LENGTH, AND METHOD PF CONTRIBUTES 15 TIMES ITS ACTUAL LENGTH.



**J.S. THOMPSON ENGINEERING, INC.**  
 606 WADE AVE., SUITE 104 RALEIGH, NC 27605  
 PHONE: (919) 788-9951 FAX: (919) 788-9921  
 N.C. LICENSE NO.: C-1723

WALL BRACING NOTES AND DETAILS

DATE: JULY 25, 2013
SCALE: NONE
DRAWN BY: JST
ENGINEERED BY: JST
REVIEWED BY: JES

BRACED WALL NOTES AND DETAILS AND PF DETAIL



**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 I-JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
  - ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NCR), 2012 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 CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
  - STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NCR, 2012 EDITION (R301.4 - R301.7)
- | DESIGN CRITERIA:               | LIVE LOAD (PSF)                                    | DEAD LOAD (PSF) | DEFLECTION (IN) |
|--------------------------------|--|-----------------|-----------------|
| ATTIC WITH LIMITED STORAGE     | 20   | 10              | L/240           |
| ATTIC WITHOUT STORAGE          | 10   | 10              | L/360           |
| DECKS                          | 40   | 10              | L/360           |
| EXTERIOR BALCONIES             | 40   | 10              | L/360           |
| FIRE ESCAPES                   | 40   | 10              | L/360           |
| HANDRAILS/GUARDRAILS           | 200 LB OR 50 (PLF)                                 | 10              | L/360           |
| PASSENGER VEHICLE GARAGE       | 50   | 10              | L/360           |
| ROOMS OTHER THAN SLEEPING ROOM | 40   | 10              | L/360           |
| SLEEPING ROOMS                 | 30   | 10              | L/360           |
| STAIRS                         | 40   | 10              | L/360           |
| WIND LOAD                      | (BASED ON FIGURE R301.2(4) WIND ZONE AND EXPOSURE) |                 |                 |
| GROUND SNOW LOAD: Pg           | 20 (PSF)   |                 |                 |
- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD  
- FLOOR TRUSS SYSTEMS DESIGNED WITH 15 PSF DEAD LOAD
- FOR 90 AND 100 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION R403.16 OF THE NCR, 2012 EDITION. FOR 110 MPH, 120 MPH, AND 130 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION 4504 OF THE NCR, 2012 EDITION.
  - ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NCR, 2012 EDITION.

**FOOTING AND FOUNDATION NOTES**

- FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING CAPACITY IS NOT ACHIEVED.
- 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 1, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R405.1 OF THE NCR, 2012 EDITION.
- 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 SAIED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
- CONCRETE SHALL CONFORM TO SECTION R402.2 OF THE NCR, 2012 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60, WELDED WIRE FABRIC TO BE ASTM A195. 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.
- MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL CONFORM TO ASTM C710.
- 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. PIERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR S MORTAR. PIERS AND WALLS SHALL BE CAPPED WITH 8" OF SOLID MASONRY.
- 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.
- ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OF THE NCR, 2012 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NCMA TR-8-A OR ACE 530/ASCE 5/TMS 402. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1(1), R404.1(2), R404.1(3), OR R404.1(4) OF THE NCR, 2012 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1(5) OF THE NCR, 2012 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT 16" O.C. WHERE GRADE PERMITS (UNO).

**FRAMING NOTES**

- ALL FRAMING LUMBER SHALL BE #2 SFF MINIMUM (Fb = 875 PSI, Fv = 375 PSI, E = 1600000 PSI) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE #1 SYP MINIMUM (Fb = 975 PSI, Fv = 475 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 = 1500000 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 = 2300 PSI, E = 2000000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS
 

A. W AND WT SHAPES:	ASTM A992
B. CHANNELS AND ANGLES:	ASTM A36
C. PLATES AND BARS:	ASTM A36
D. HOLLOW STRUCTURAL SECTIONS:	ASTM A500 GRADE B
E. STEEL PIPE:	ASTM A53, GRADE B, TYPE E OR S
- 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 3/16" DIAMETER HOLES @ 16" O.C.
- 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.
- ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R502.5(1) AND R502.5(2) OF THE NCR, 2012 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).
- 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).
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A307) 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).
- ALL I-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.
- BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE CURRENT NORTH CAROLINA RESIDENTIAL CODE WALL BRACING CRITERIA. THE AMOUNT, LENGTH, AND LOCATION OF BRACINGS SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R6-02.10.
- 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.
- 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. FOR ALL HEADERS 8'-0" 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 x 10 BLOCKING INSTALLED BETWEEN WALL STUDS WITH 1/2" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION R103.122 OF THE NCR, 2012 EDITION.
- 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).
- 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 VALLEYS (UNO).
- 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 16 OR L152 UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE 16" SECTION OF SIMPSON C516 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.

**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

STANDARD STRUCTURAL NOTES

DATE: AUGUST 27, 2013
SCALE: N/A
DRAWN BY: JES
ENGINEERED BY: JES
REVIEWED BY: JFT

SHEET:  
STRUCTURAL  
NOTES

