KENT

KENT REVISION LIST - STRUCTURAL:

1.)

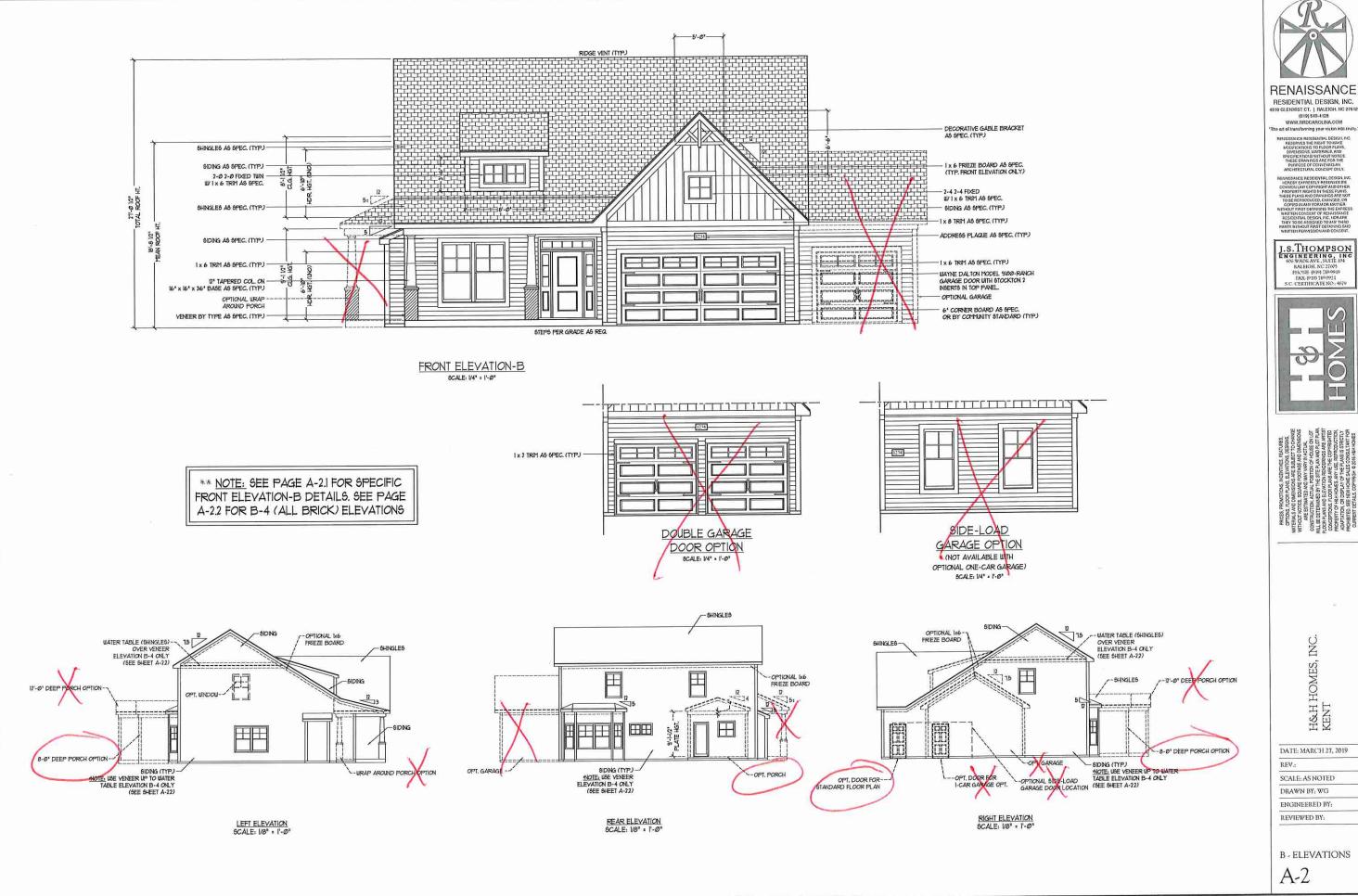
# KENT REVISION LIST - ARCHITECTURAL:

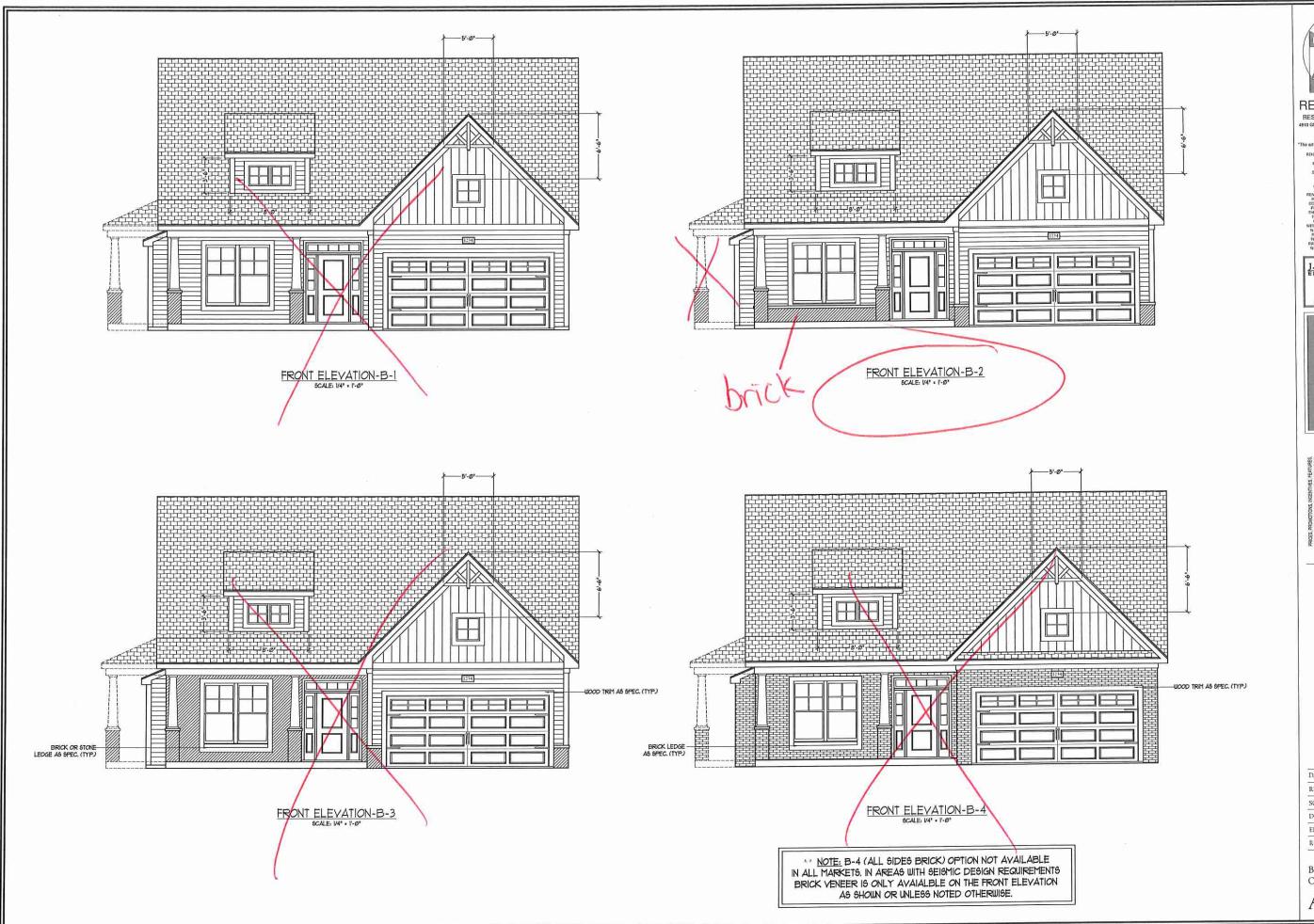
- 1.) ADDED NOTE TO EXTEND STAIR CLIP IN POWDER ROOM THE LENGTH OF THE ROOM (3-19)
- 2.) SHOWED AHU AND MECH, LOCATIONS ON SECOND FLOOR (3-19)
- 3.) UPDATED PLAN TO NEW CAD FORMAT AND ADDED COVER SHEET (3-19)
- 4.) UPDATED CUTSHEETS (3-19)

0Km000165

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# KENT







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H&H HOMES, INC. KENT

DATE: MARCH 27, 2019

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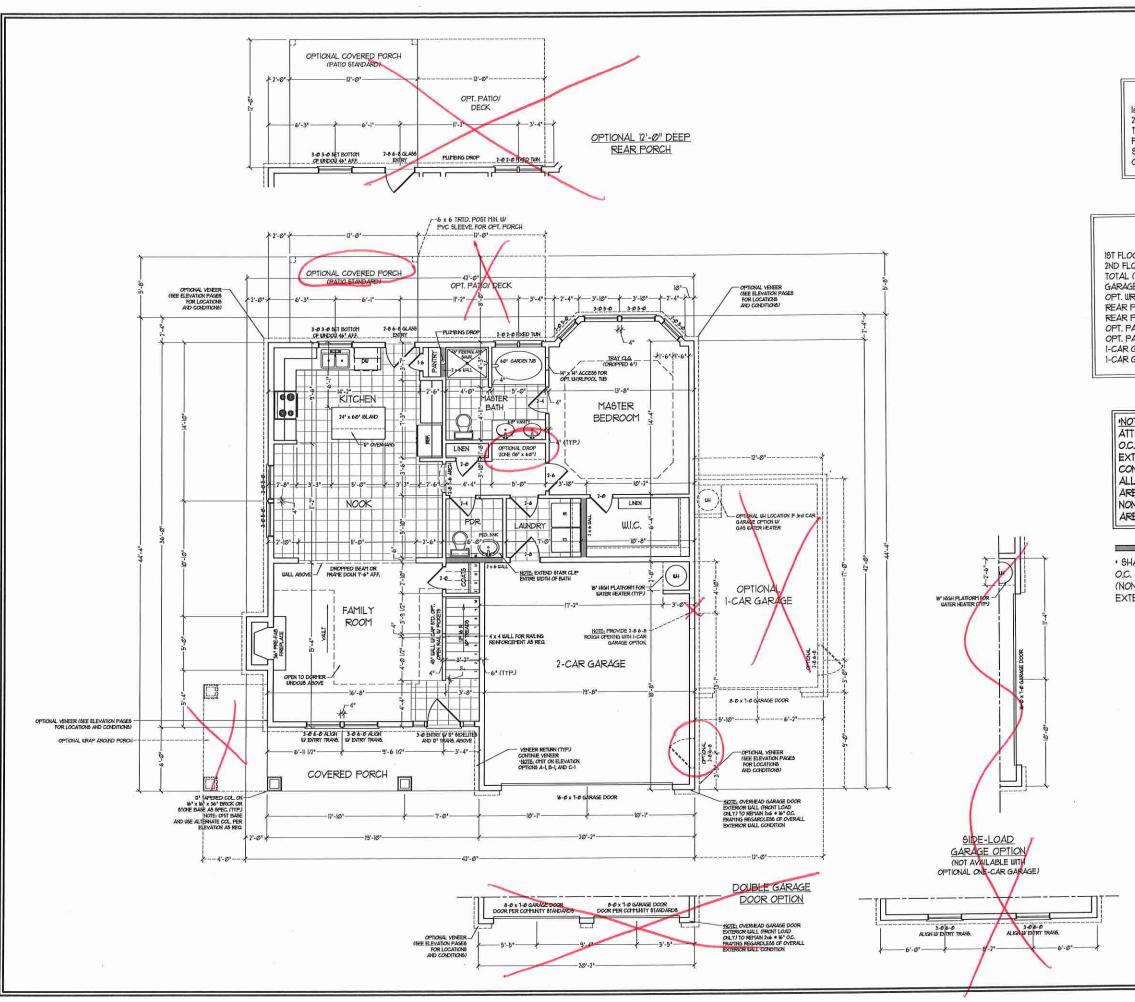
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ENGINEERED BY:

REVIEWED BY:

B - ELEVATION **OPTIONS** 

A-2.1



### SQUARE FOOTAGE (STUD)

let FLOOR: 1170 90, FT.
2nd FLOOR: 830 90, FT.
TOTAL: 2000 90, FT.
FRONT PORCH: 120 90, FT.
STD. REAR PATIO: 96 90, FT.
GARAGE: 423 90, FT.

### SQUARE FOOTAGE (OPTIONS)

IST FLOOR (BRICK): 1222 SQ FT. 2ND FLOOR (BRICK): 860 SQ. FT. TOTAL (BRICK): 2082 SQ FT. GARAGE (BRICK): 443 SQ FT. OPT. WRAP-AROUND PORCH: 60 SQ FT. REAR PORCH (8-0 DEEP): 96 SQ FT. REAR PORCH (12-Ø DEEP): 144 SQ. FT. 96 SQ. FT. OPT. PATIO/ DECK (8-Ø DEEP): 144 SQ. FT. OPT. PATIO/ DECK (12-Ø DEEP): 240 SQ. FT. I-CAR GARAGE (STUD): 277 SQ FT. 1-CAR GARAGE (BRICK):

NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 4 @ 16" O.C. MIN. (UNO). 2 x 6 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 4 WALLS. 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



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REPAISSANCE RESIDENTIAL DESIGN, IND. PERFER PERFESTA RESERVESTS COMMONITARIO OTHER PROPERTY BORDERS IN RESERVESTS TO THE REPRODUCED, CHENNED, OR CORED DIAM FORMOR MANDER WITHOUT FIRST OBTAINED THE EXPRESS WITHOUT FIRST OBTAINED THE PROPERTY OF THE PROP

J.S.THOMPSON ENGINEERING, INC 608 WADE AVE. SUITE 104 (SALEIGH. NC. 27605 PHONE. (910) 789-0921 FAX. (919) 789-0921 S.C. CERTIFICATE NO. 4679



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DATE: MARCH 27, 2019

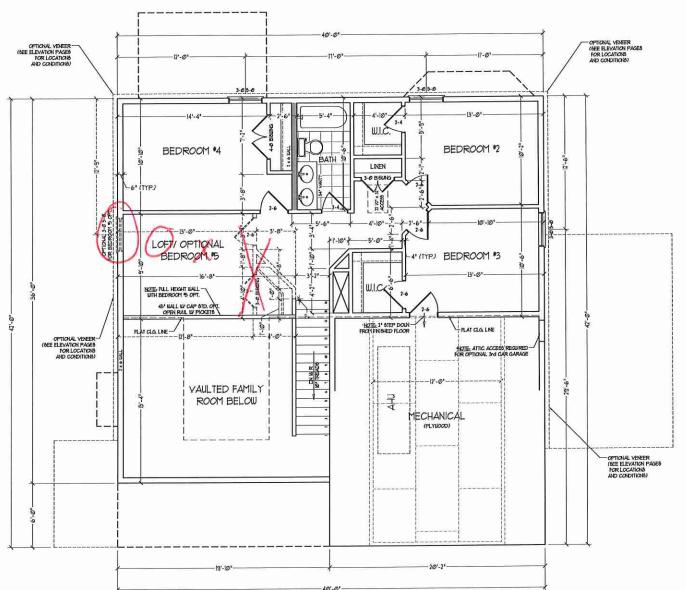
REV.:

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

ENGINEERED BY: REVIEWED BY:

FIRST FLOOR

PLAN A-6



NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 4 9 16" O.C. MIN. (UNO). 2 x 6 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 4 WALLS. ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 9 16" O.C. (UNO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (UNO).

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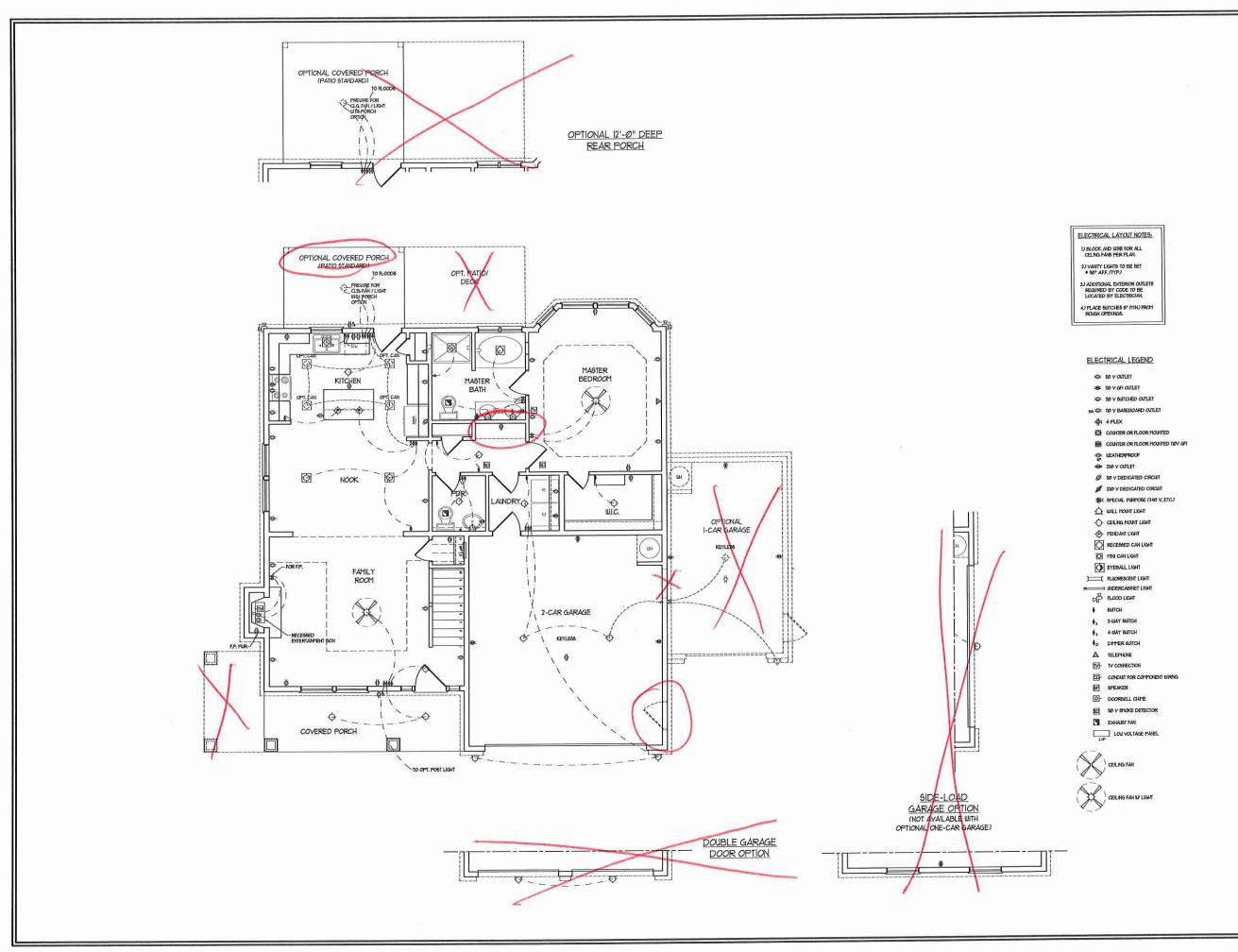
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SECOND FLOOR PLAN

A-7





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DATE: MARCH 27, 2019 REV.:

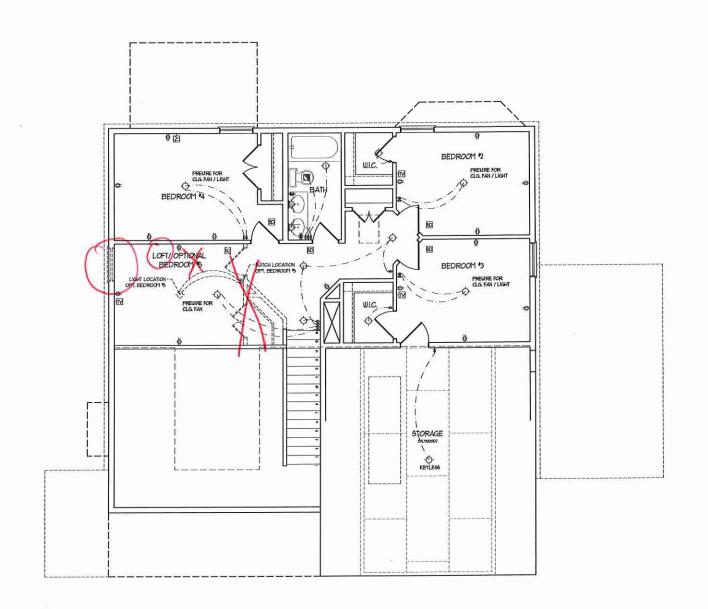
SCALE: 1/4"=1'-0"

DRAWN BY: WG ENGINEERED BY:

REVIEWED BY:

FIRST FLOOR ELECTRICAL PLAN

E-1



ELECTRICAL LAYOUT NOTES: U BLOCK AND WIFE FOR ALL CELNG FANG FER FLAN 2) YANSTY LIGHTS TO BE SET • 90° AFF, (TYP)

4) PLACE BUTCHES S' (MN) FROM ROUGH OPENINGS.

### ELECTRICAL LEGEND

- TO YOUTLET
- SE TO Y GFI OUTLET
- TO V SUITCHED OUTLET
- ME TO Y BASEBOARD CUTLET
- # 4-PLEX
- 器 COUNTER OR FLOOR HOUNTED
- 器 COUNTER OR FLOOR HOUNTED NOV GF
- LEATHERPROOF
- ₩ 220 V CUILET
- # 10 Y DEDICATED CIRCUIT
- 20 Y DEDICATED CIRCUIT
- (9) SPECIAL PURPOSE (140 Y, ETC.)
- THE WALL HOUNT LIGHT
- CELLING HOUNT LIGHT
- (PENDANT LIGHT
- RECESSED CAN LIGHT
- MNI CAN LIGHT EXERNIT FIGHT

- HLOOD LIGHT **Б**ШТСН
- \$, 3-MAY BUTCH
- 4. 4-MAY BUTCH
- P DITTER SUITCH
- TY CONECTION (III- CONDUIT FOR COMPONENT URING
- 团 GPEAKER
- D- DOORSELL CHINE
- NO V SMOKE DETECTOR DOWNT FAN
- LVP LOU VOLTAGE PAVEL





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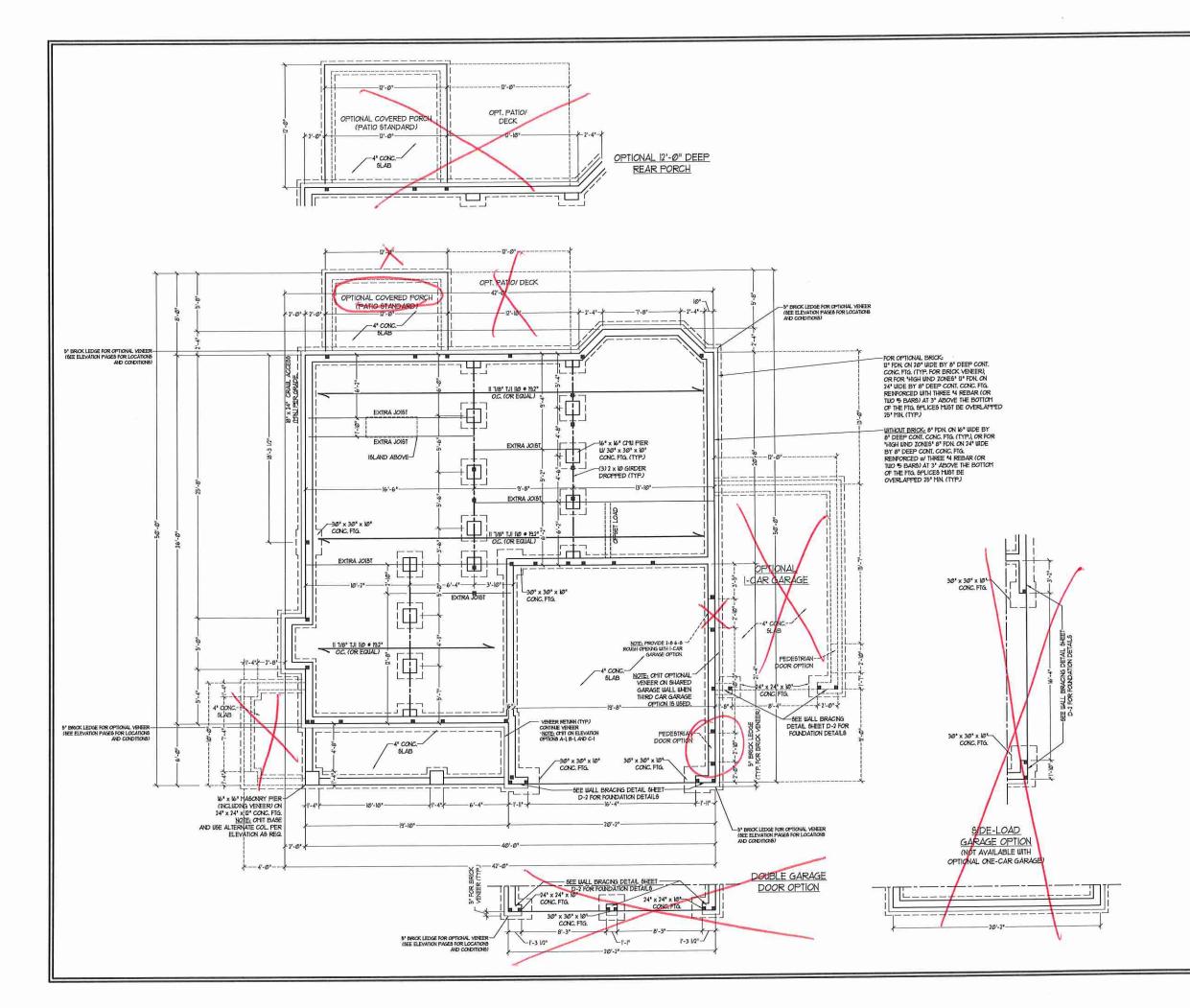
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REVIEWED BY:

SECOND FLOOR ELECTRICAL PLAN

E-2



### FOUNDATION VENTILATION CALCULATION

1139 SQ FT. OF CRAILL SPACE DIVIDED BY 150 FOLIALS 159 SO FT OF NET FREE AREA REGUIRED, NSTALL 6 MIL POLY TO COVER ENTIRE CRAUL 8PACE. LOCATE VENTS WITHIN 3'-0" OF EACH CORNER OF THE BUILDING TO PROVIDE CROSS-VENTILATION.

# 120 MPH ULTIMATE DESIGN WIND SPEED. NOTES FOR LESS THAN 30" MEAN ROOF HEIGHT:

- DIGNEER'S SEAL APPLES ONLY TO DOES NOT CERTIFY DIFFERENCE LAYOUT NOUDING ROOF SYSTEM.
- KALIDNE ROCK PAYER

  SINGURAL DERIGH FER NORTH CARCLINA
  RESIDENTIAL CODE, 769 EDITION

  SINGLI LY MACKER BOLT 16 "-6" OG. AND

  LITHAT 1-6" FEXTHED OF EACH CORRER
  ANGUR BOLT HOST BOTH OF HAND OF

  1 NO MACKEY, OR CORRERE. LOCALE

  1 NO MACKEY, OR CORRERE

  1 CALL BODY REGIST TO LESS ON AND DETER.

  BOTHOGRAPHICAL TO LESS ON TO 1791

  INDO.
- INDO.
  INDO.
- PICHED 225/0 TO VIZ.

  NSTALL TV6\* OSB MEATHING ON ALL
  EXTERIOR BALLS OF ALL STORES IN
  ACCORDANCE WITH SECTION INSIDES OF
  THE N.CR., OSB EDITION, GET THE WALL
  BRACING NOTES AND DETAILS SHEET FOR
- PRACES NOTES AND DETERMINE AND NEULATION VALUES OF THE BUILDING TO BY N ACCORDANCE WITH CHAPTER I OF THE
- NCRC, 2008 EDITION
  REFER TO NOTES AND DETAIL SHEETS FOR
  ADDITIONAL STRUCTURAL INFORMATION

## 50 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT!

- 20. TICAN RACE TEGISTIC

  PRINCIPAL COPPORITÉ BÉNERÉ
  SEL DOS NOT CERTET D'ESSICAL

  ACCINCTO RA REATHECTINAL LAYOUT

  NCLIUNS ROCE STOTIET

  CARCIAN ESSORTIAL COCE, 708

  EDITICAL BILL PÉCILL CASSIDERATION T

  CHUPTER 45 (\*NGHI UND ZONES" FOR BE

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  TONES PER BE

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  TO
- MPH UNDS.

  BUILDER IS TO PROVIDE FRANKS

  CONNECTIONS AS REQUIRED BY CHAPT
- CONNECTIONS AS REQUIRED BY CHAPTER AS THIS LAWS IN THE PROPERTY AS THE PROPERY

- TAS OBS BEATHER IS REQUIRED ON A UNITED TO BE PRACED IN ACCORDANCE UNTH RECTION REGISTED OF THE KNRTH CARR, AND RESIDENTIAL CODE, 76% EDITION AND AS NOTED ON FLANK, IN DEPOY THE FLOORY COPPLANKE AND NIGHT ON VALUES OF THE BUILDING TO THE NAME, AND AND AND THE NAME, 20% EDITION.

### STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE 12 OFF (UNO), ALL TREATED LUMBER TO BE 12 SYP (UNO.)
- TO BE 19 SYP (INO)

  NSTALL AN EXTRA OR DOUBLE
  JOIST UNDER WALLS PARALLEL TO
  FLOOR JOISTS WERE NOTED ON
  THE PLANS.
  SQUARES DENOTE POINT LOADS
  WHICH REQUIRE SOLID BLOCKING
- TO GIRDER OR FOUNDATION. SHADED PIERS TO BE FILLED
- 5OLID
- 50LID.
  50.NSTALL LADDER WIRE # 16\* O.C.
  TO SECURE MULTIPLE WITHE
  FOUNDATION WALLS TOGETHER
  6. REPER TO NOTES AND DETAIL
  SEETIS FOR ADDITIONAL
  STRUCTURAL INFORMATION.





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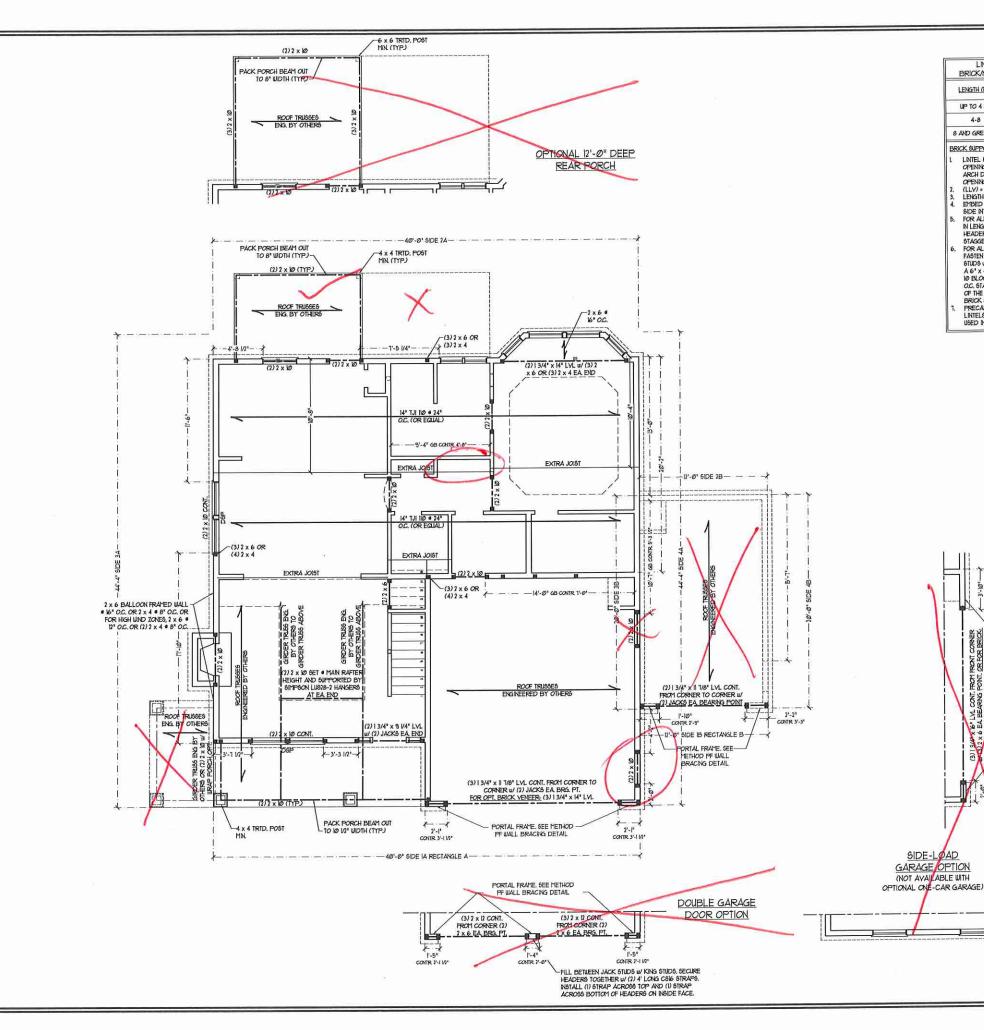
REV.:

DRAWN BY: WG

ENGINEERED BY:

REVIEWED BY:

CRAWL FOUNDATION PLAN S-1



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

### BRICK SUPPORT NOTES:

- LINTEL SCHEDULE APPLIES TO ALL ARCH DUGS FOR SIZE AND LOCATION OF
- OPENIAS.

  (LLY) + LONG LEG YERTICAL

  LENGTH CLEAR OFENIAG

  EYEED ALL ANGLE IRONG YN 4\* EACH

  HODE NTO YENERT TO PROVIDE BEARNAG

  FOR ALL HEADERS 3\*-0\*\* AND GREATER

  N. LENGTH, ATTACH STEEL ANGLE TO

  THE ATTERNICAL OF STEEL ANGLE TO
- HEADER W 1/2" LAG SCREWS . 12" OC.
- 91/ASEFED.

  FOR ALL BRICK SUPPORT ROOF LINES,
  FASTEN (3) 2 x 1/0 BLOCKING BETUEN
  STUDOS W (4) 1/2 A NAILE FER FLY. FASTEN
  A 6' x 4' x 5/0 6' STEEL ANGLE TO (3) 2 x
  1/0 BLOCKING W (3) 1/2' LAG SCREWS 1/2'
  OC, 51/ASEFED. SEE SECTION R103821
  OF THE 10/0 NCRC FOR ADDITIONAL BRICK SUPPORT INFORMATION. PRECAST REINFORCED CONCRETE

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

### BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN FER SECTION R607J0 OF THE
- BRACED WALL DESIGN FER SECTION REPORTS OF THE NCR: 2/08 EDITION CS-USP REFIERS TO "CONTINUOUS SHEATHING WOOD STRUCTURAL PARELS" CONTRACTOR IS TO INSTALL TIME "05B ON ALL EXTERIOR WALLS ATTACHED W 26 MAILS SPACED 6" OC. ALONG PANEL EDGES AND IZ" OC. IN THE FIELD. US! (MIN) GYPSUM WALL BOARD WERRE NOTED ON THE FLASS. FASTEN GO WITH THE VIEW OR 150" NALLS SPACED TO "OC. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND POLITION IS ATTS. BOTTOM PLATES.
  BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH.
- FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NORC 2018 EDITION.
- SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED

### BRACED WALL DESIGN

RECTANGLE A SIDE IA (FRONT LOAD)
METHOD: C5-USP/GB/FF
TOTAL REQUIRED LENGTH: 1358'
TOTAL PROVIDED LENGTH: 2016' SIDE 2A METHOD: CS-WSP/GB

TOTAL REQUIRED LENGTH: 1358' TOTAL PROVIDED LENGTH: 16.83' SIDE 3A METHOD: CS-USP

FORM PROVIDED LENGTH: 1239

TOTAL PROVIDED LENGTH: 12459

TOTAL PROVIDED LENGTH: 12459

TOTAL PROVIDED LENGTH: 12459

TOTAL PROVIDED LENGTH: 12459

METHOD: FF TOTAL REQUIRED LENGTH: 2.85' TOTAL PROVIDED LENGTH: 6' SIDE 2B METHOD: CS-WSP TOTAL REQUIRED LENGTH: 2.85

TOTAL PROVIDED LENGTH: 12" SIDE 3B / 4A SHARED TOTAL REQUIRED LENGTH: 1235'
TOTAL PROVIDED LENGTH: 2933'
SIDE 4A (SIDE LOAD)
SIDE 46 (SIDE LOAD)
SIDE 46 (SIDE LOAD)
SIDE 46 (SIDE LOAD)

NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 @ 16" O.C. MIN. (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 9 16" O.C. (UNO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 9 24" O.C. (UNO).

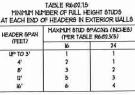
### STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE SET 12 (UNO). ALL
- TREATED LUMBER TO BE SYP 12 (UNO.) ALL LOAD BEARNG HEADERS TO BE (2) 2 x 6 (UNO).
- PROVIDE AN EXTRA JOIST WINDER WALLS PARALLEL TO FLOOR JOISTS WHERE NOTICE ON THE PILANS. WINDOW AND DOOR HEADERS TO BE SUPPORTED W/ U JACK STUD AND (I) KING STUD EA END (UNO.). SEE TABLE REGIZTS FOR ADDITIONAL KING STUD PECHIPEMENTA
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.)
  FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE
- SHEATHED WITH 1/6" OSB SHEATHING WITH JOINTS SECRIFED WITH POR COST DEFINITION OF THE PER CONTROL OF THE PER COST OS THE PER COST OS THE PER COST OS THE PER COST OS THE PE
- JOISTS, AND GIRDERS WITH (2) ROUS OF 8d NAILS STAGGERED AT 3" OC PANELS SHALL EXTEND 12" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FULL ALL 4 x 4 POSTS SHALL BE ANCHORED TO SLABS III
- SIMPSON ABU44 POST BASES (OR EQUAL) AND 6 x 6 POSTS W ABUGG POST BASES (OR EGUAL) (UNO). ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS AT TOP (UNO)
- FOR FIRERGI ASS. ALLMINUM, OR COLUMN ENG. BY OTHERS, SECURE TO BLAB W (2) METAL ANGLES USING 2º CONC. SCREUS, FASTEN ANGLES TO COLUMS W IV4\* INFOLICIA BOLTS W AND UASHERS, LOCATE ANGLES ON OPPOSITE BIDES OF COLUMN. THROUGH BOLTS W AND STAND THROUGH ANGLES ON OPPOSITE BIDES OF COLUMN. THROUGH BOLTS MUST BE INSTALLED PRIOR TO SETTING COLIMN
- Ø. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

'DSP' NDICATES DOUBLE STUD POCKET BETWEEN

MINIMUM NUMBER OF FULL HEIGHT STUDS

EADER SPAN (FEET)	(PER TABLE R6023/5)		
	16	24	
UP TO 3'	1	1.	
4'	2	1	
8'	3	2	
12'	5	3	
16"	6	4	





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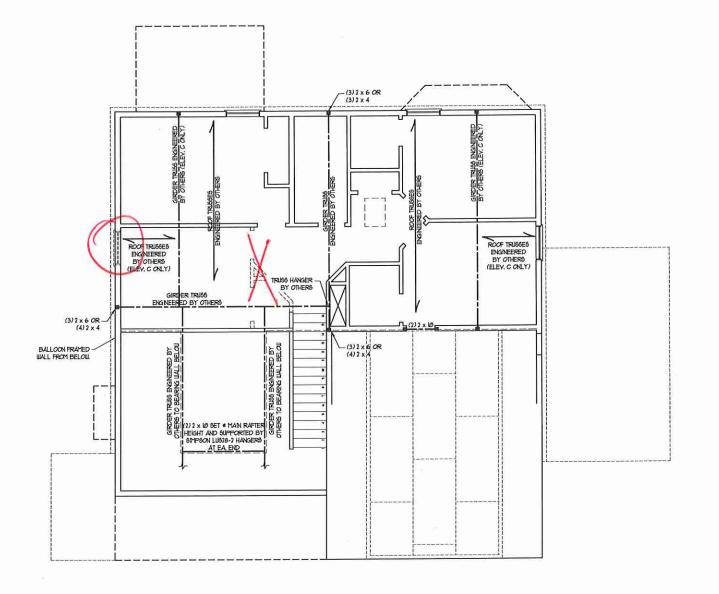
DATE: MARCH 27, 2019

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

REVIEWED BY:

SECOND FLOOR

FRAMING PLAN



### BRACED WALL DESIGN NOTES:

- BRACED WALL DESKIN PER SECTION R60710 OF THE
  NCRC 2018 EDITION
  CS-USP REFERS TO "CONTINUOUS SHEATHING WOOD
  STRUCTURAL PANELS" CONTRACTOR IS TO NSTALL 1/16" OSB
  ON ALL EXTERIOR WALLS ATTACHED W 26 NAILS SPACED 6"
  O.C. ALONG PANEL EDGES AND IS" O.C. IN THE FIELD.
  USPACETERS TO "GYPSUM BOARD" CONTRACTOR IS TO NSTALL
  IZI" (TIN) GYPSUM WALL BOARD WERRE NOTED ON THE FLANS.
  EASTEN GREWITH ILMS" SECTION OR IS 50" NAILS SPACED TO "C.C.
- FASTEN GB WITH I V4" SCREWS OR 15/8" NAILS SPACED 7" O.C.
- FASTEN GB WITH 104\* SCHEWS ON 196\* NAILS SPACEL 1\*\* OF AND BOTTOM PILATES.

  BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 180 MPN-FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NCRC 2618 EDITION SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL NFORMATION.

- L PER SECTION R602/032 OF THE 2018 NCRC, THE AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.
- 2. SHEATH ALL EXTERIOR WALLS WITH 1/16" OSB SHEATHING ATTACHED WITH 8d NATUS AT 6" O.C. ALONG PANEL EDGES AND 10" O.C. IN THE BIELD. 12" O.C. IN THE FIELD.

NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 @ 16" O.C. MIN. (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 9 24" O.C. (UNO).

	CHEDULE FOR AL STONE SUPPORT	
LENGTH (FT.)	SIZE OF LINTEL	
UP TO 4 FT.	L 3 V2 x 3 V2 x V4	
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 DUGS, FOR SIZE AND LOCATION OF OPENINGS. (LLV) • LONG LEG VERTICAL
- (LLY) \* LOYS LEG YERTICAL
  LENGTH = CLEAR OFENNA\*
  LEYBED ALL ANSLE IRONS MN. 4\* EACH
  SIDE NTO YENEER TO PROVIDE BEARINA.
  FOR ALL HEADERS 8\* 0\* 0\* AND GREATER
  IN LENGTH, ATTACH STEEL ANSLE TO
  HEADER W 10\* LAG SCREUS \* 12\* O.C.
  STRACKERED.
- A 6" x 4" x 506" STEEL, ANGLE TO (777 x 10 BLOCKNS, W 1(7) 10" LAS SCREUS 6 "P" O.C. STAGGERED, SEE SECTION RIOSBAIL OF THE 2018 NCRC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
  FRECAST REINFORCED CONCRETE.
  LIMIELS BURNEREDED BY OTHERS MAY BE USED IN LIEU OF STEEL LINTELS.

### STRUCTURAL NOTES:

- ALL FRAMING LIMBER TO BE SYF 12 (UNO). ALL TREATED LIMBER TO BE SYP 12 (UNO). ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (INO)
- 6 (INO).

  WINDOW AND DOOR HEADERS TO BE
  SUPPORTED W/(1) JACK STUD AND (1) KING
  STUD EA END (INO). SEE TABLE R602.15
  FOR ADDITIONAL KING STUD REQUIREMENTS.
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOR HIGH WIND ZONES, ALL EXTERIOR WALLS
- TO BE SHEATHED WITH 1/16" OSB SHEATHING WITH JONIS BLOCKED AND SECURED WITH

TABLE R602.15 MINIMIM NUMBER OF RILL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER &PAN (FEET)

UP TO 3

WITH JONIS BLOCKED AND SECURED WITH BE MALIS AT 3" OC. ALONG EDGES AND 6" OC. N THE FIELD. FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND DOUBLE FOR PELATES, BANUS, JOHNS, AND GIRDERS WITH (2) ROUB OF BOT MALLS STAGGERED AT 3" O.C. PANELS SHALL EXTEND 2" BEYOND CONSTRUCTION, JONTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FILL DEPTH. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

NOTE: 15P DENOTES TRIPLE STUD POCKET



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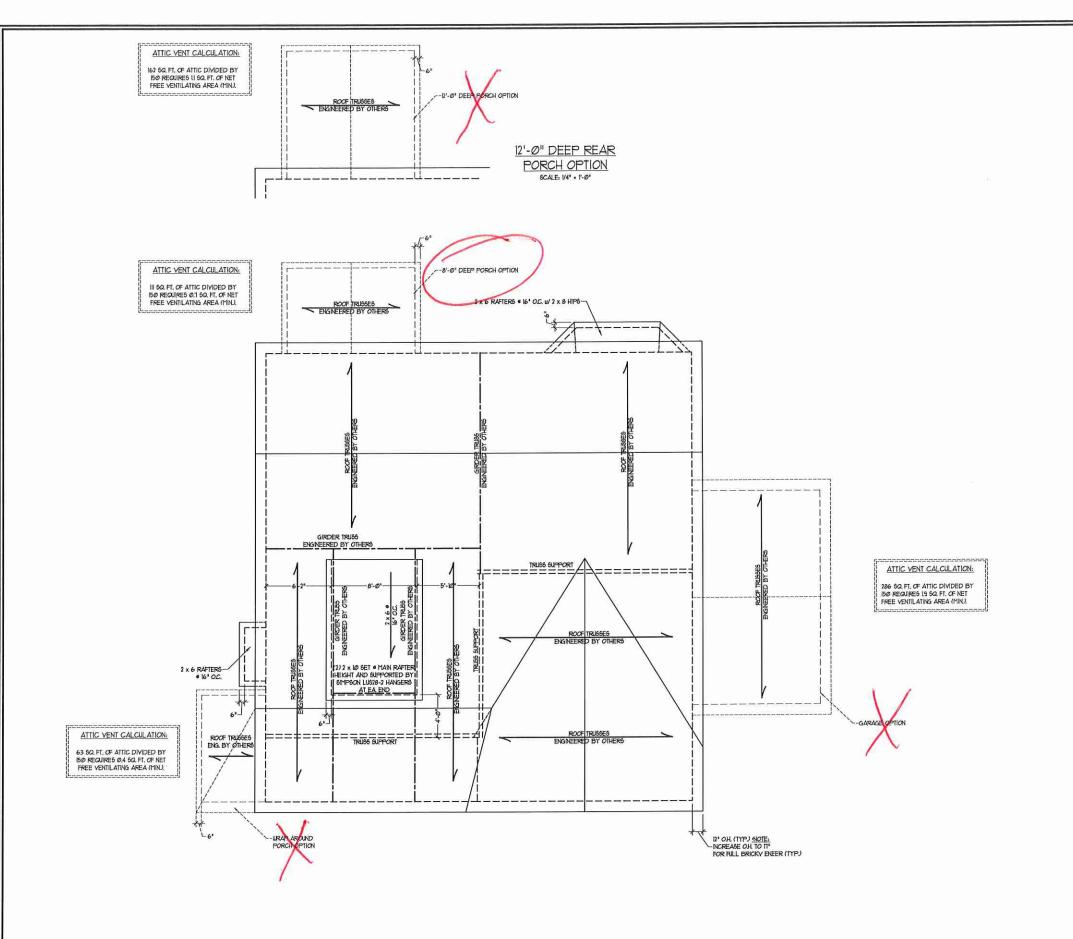
DATE: MARCH 27, 2019

REV.:

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

ENGINEERED BY: REVIEWED BY:

ATTIC FLOOR FRAMING PLAN



ATTIC YENT CALCULATION:

1815 8Q FT. OF ATTIC DIMDED BY 150 REQUIRES 125 SQ. FT. OF NET FREE VENTILATING AREA (MIN.).

### BRICK SUPPORT NOTE:

FASTEN (?) 2 x IØ BLOCKING BETWEEN WALL STUDS W (4) DIG NAULS FER FLY, FASTEN A 6\* X 4\* X 56\* STEEL AVILLE TO (?) 2 X IØ BLOCKING W (?) IØ\* LAG SCREUS 6 IP\* OC. STAGGERED, BEE SECTION RYØJ821 CF. THE 10°B NERK FOR ADDITIONAL BRICK STEEDS FOR STEEL STE

HE 100 NACE ON ADDITIONAL BRICK SUPPORT NEORY ALONS UNERE ROOF SLOPES EXCEED 1:12, NSTALL 3' x 3' x 14' STELL PLATE STOPS AT 24' OC. FER SECTION R103821 OF THE NORTH CAROLINA RESIDENTIAL CODE, 20'8 EDITION.

### STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE 12
- ALL FRAMING LIMBER TO BE '2'
  SPE (INO.).
  CIRCLES DENOTE (3) 2 x 4 POSTS
  FOR ROOF SUPPORT.
  FRAME DOFFER MALLS ON TOP
  OF DOUBLE OR TRIPLE RAFTERS.
  HIP SPILCES ARE TO DE SPACED
  A MIN. OF 8'-8'-FASTEN
  MET-BERS WITH THASE ROUS OF
  IZM MALLS & 18'-DC. (TYP)
  IS STICK FRAME OVER-RRANGED
  ROOF SECTIONS WI 2 x 8 PIGICES,
  2 x 6 RAFTERS ® 16'-OC. AND
  H.A T1 x 10' VALLEYS OR USE
  VALLEY TRISSES.
- VALLEY TRUSSES. FASTEN FLAT VALLEYS TO
- FASTEN FLAT VALLEYS TO RAFTERS OR TRUSSES WITH SIMPSON H25A HURRICANE TIES \* 32\* OC. MAX. PASS HURRICANE TIES THROUGH NOTCH IN ROOF SHEATHING. EACH RAFTER IS TO SHEATHNIS. EACH RAFIER IS TO BE FASTENED TO THE FLAT VALLEY WITH A MIN. OF (6) I'D TOE NAILS. REFER TO SECTION REPORT OF THE
- REFER TO SECTION REGISTROF THE 2018 NACE FOR REGULATED UPLIFT RESISTANCE AT RAFTERS AND TRUSSES. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL NFORMATION.



### RENAISSANCE

RESIDENTIAL DESIGN, INC.

# J.S.THOMPSON ENGINEERING, INC 606 WADE AVE, SUITE 104 RALEIGH, NC 27605 THONE, (019) 780-9919



INC. H&H HOMES, I KENT

DATE: MARCH 27, 2019 REV.:

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

DRAWN BY: WG ENGINEERED BY:

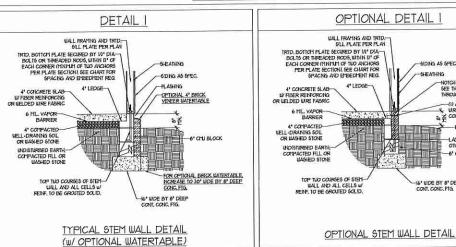
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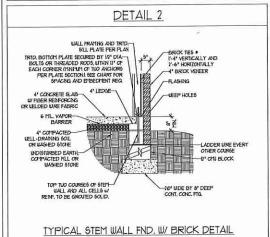
ROOF PLAN **ELEVATION - B** 

S-5

SLAB AT GARAGE DOOR DETAIL

### STEMWALL DETAILS





WALL FRAMING AND TRID:-SILL PLATE FER PLAN TRID. BOTTOM PLATE SECURED BY IV! DIA-BOLTS OR THREADED RODS, WITHIN IT! OF EACH CORNER MINIM! OF THO ANGHORS -SIDNG AS SPEC 6-EATHING OR WELDED WIFE FABRIC 6 MIL VAPOR FN54ED GRADE 4" COMPACTED-LELL-DRANNG SOIL OR WASHED STORE -6' CM BLOCK

TYPICAL STEM WALL FND. DETAIL W/ CURB @ GARAGE

DETAIL 3

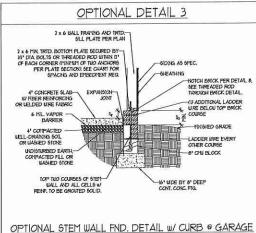
- SIDING AS SPEC.

BRICK FER DETAIL 8,

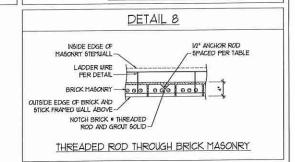
FNISHED GRADE

-LADDER WRE EVERY OTHER COURSE

SEATHING



DETAIL 4 UALL FRAMING AND TRID. BRICK TIES .
1'-4' YERTICALLY AND
2'-6' HORIZONIALLY TRID, BOTTOM PLATE SECURED BY IA? DIA-BOLTÓ OR THREADED POO UTHIN B" OF EACH CORRER (TRINCH) OF THIS ANCHORS PER PLATE SECURAL SEE CHART FOR SPACING AND BYSECTION FEQ. -FLASHING 4" CONCRETE SLAB -UEEP HOLES 6 ML VAPOR-BARRER \*o ₹ 4" COMPACTED-LELL-DRANNG SOIL OR MASHED STONE LADDER URE EVERY OTHER COURSE -D' CAN BLOCK TYPICAL STEM WALL FND. DETAIL W/ BRICK



AND CURB @ GARAGE

MASONRY STEMWALL SPECIFICATIONS MASONRY WALL TYPE WALL HEIGHT (FEET) 4" BRICK AND 8" 4" BRICK AND 4" B" CM GROUT SOLID UNGROUTED INGROUTED 2 AND BELOW UNGROUTED UNGROUTED INGROUTED GROUT SOLID GROUT SOLID u/ 14 REBAR # 64" O.C. GROUT SOLID GROUT SOLID 4 GROUT SOLID W/ GROUT SOLID u/ 4 GROUT SOLID w/ 14 NOT APPLICABLE REBAR # 36" O.C. | REBAR # 64" O.C. GROUT SOLID w/ 4 GROUT SOLID w/ 4 REBAR 9 24" O.C. REBAR 9 64" O.C. GROUT SOLID w/ 14 NOT APPLICABLE 6 REBAR # 24" O.C. AND GREATER ENGINEERED DESIGN BASED ON SITE CONDITIONS

### STRUCTURAL NOTES:

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

TIE MULTIFILE UTTHES TOGETHER WITH LADDER WIFE AT 16 O.C. VERTICALLY. CHART APPLICAPLE FOR HOUSE FOUNDATION ONLY, CONSULT ENGINEER FOR DESIGN OF GARAGE

3. CHART APPLICABLE FOR HOUSE FOUNDATION ONLY, CONBULT ENGINEER FOR DESIGN OF GAVAGE FOUNDATION NOT CONTON TO HOUSE.

4. BACKFILL OF CLEAN 51 / 51 WASHED STONE IS ALLOWABLE.

5. BACKFILL OF WELL DRAINED OR SAND - GRAVEL HIXTURE SOILS (45 PSFAT BELOW GRADE) CLASSIFICATION SYSTEM IN ACCORDING TO UNITED SOILS CLASSIFICATION SYSTEM IN ACCORDING WITH TABLE RAIST OF THE 2018 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

5. PREP SLA FER PSS-621 JAIN PSS-6222 BASE OF THE 2018 INTERNATIONAL RESIDENTIAL CODE.

MINIMATAY LAP SPLICE LENGTH.

MINION 14" LAP SHLICE LENGIH. L LOCATE REBAR IN CENTER OF FOUNDATION WALL. LILHERE REQUIRED, FILL BLOCK SOLID WITH TYPE "5" MORTAR OR 3000 PSI GROUT, USE OF "LOW WHERE REGUINED, FILL BLOCK SOLID WITH TYPE "5" MORTAR OR 3000 PSI GROJT, USE OF ", LET GROJING" METHOD REQUIRED WHEN FILLING WALLS WITH GROJT AT HEIGHTS OF 5" AND GREATER.

AN	ICHOR SPACING AND	EMBEDMENT	
WIND ZONE	120 MPH	130 MPH	
SPACING	6'-0" O.C.	4'-0" O.C.	
MBEDMENT 1'		15" INTO MASONRY 1" INTO CONCRETE	

SPEED MIND E DESIGN Y MPH ULTIMATE FOUNDATION I

DATE: NOVEMBER 14, 2018 SCALE: NTS NOINEERED BY: JES

D-1 FOUNDATION DETAILS





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MPH-130 120

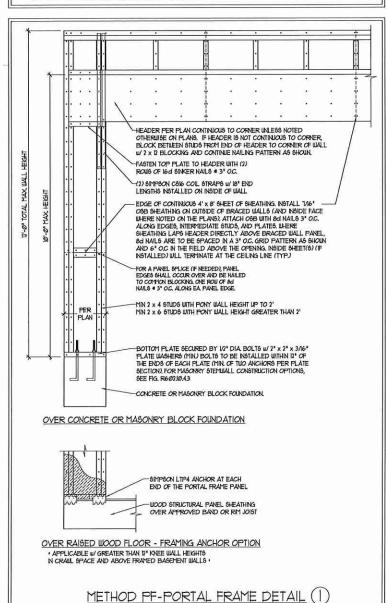
### GENERAL WALL BRACING NOTES:

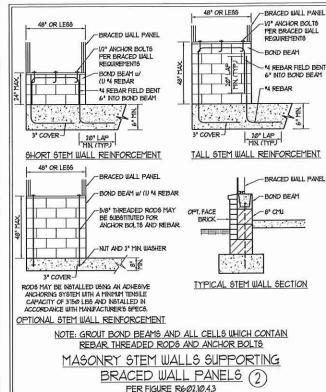
- L WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2019 NC RESIDENTIAL BUILDING CODE (NCRC).
  TABLES AND FIGURES REFERENCED ARE FROM THE 2019 NCRC.
  2. SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2019 NCRC FOR ADDITIONAL INFORMATION AS NEEDED.
  3. SEE STRICTURAL SHEETS FOR BRACED WALL LOCATIONS, DIPENSIONS, HALD DOWN TYPE AND LOCATIONS, BRACED WALL
- LINE KEY WITH WALL DESKIN SUPPLIER OF REQUIRED/PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES
- OR RECURREDENTS.

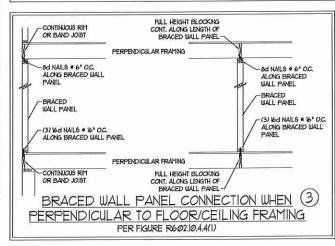
  ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-WEP IN ACCORDANCE WITH SECTION R6/02/03 UNLESS NOTED
- OTHERWISE.

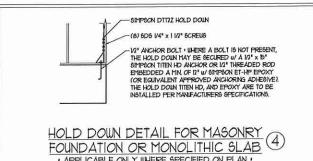
  ALL EXTERIOR AND INTERIOR WALLS TO HAVE W<sup>3</sup> GYPSUM INSTALLED, WHEN NOT USING METHOD "GB", GYPSUM TO BE FASTENED PER TABLE R10935. HETHOD GB TO BE FASTENED PER TABLE R609201

  6. CS-USP: RETERS TO THE "CONTINUOS SHEATHING" WOOD STRICTURAL PAKELS" WALL BRACING METHOD. 1/16" CSB SHEATHING IS TO BE NOTALLED ON ALL EXTERIOR WILLS ATTRACED W 64 CONTON NAILS OR 84 Of 10" LONG x 0018"
- SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED W 64 CONTON NAILS OR 84 (2 10° LONG X 6/113° DIAPETER) NAILS SPACED 6" OC. ALONG YAMLE DOES AND 12" OC. IN THE FIELD (UND.)
  GB REFERS TO THE "GYPSIM" BOARD" WALL BRACING HETHOD. 12" (11'N) GYPSIM WALL BOARD IS TO BE INSTALLED ON BOTH BIDES OF THE BRACED WHALL FASTEDER OF SOME OF 15 M" NAILS SPACED TO C. ALONG PARE LODGE ON BOLLIDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (UND.) YERRY ALL FASTENER OPTIONS FOR 10" AND 5M" GYPSIM PRIOR TO CONSTRUCTION. FOR NITERIOR FASTENER OPTIONS SEE TABLE R1003.5. FOR EXTERIOR FASTENER OPTIONS SEE TABLE R1003.5. FOR EXTERIOR FASTENER OPTIONS SEE TABLE R1003.5. FOR EXTERIOR FASTENER OPTIONS SEE TABLE R6/023(1). EXTERIOR GB TO BE INSTALLED VERTICALLY.
- REQUIRED BRACED WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED FER TABLE R607, IO.3. METHOD CS-WSP CONTRIBUTES ITS ACTUAL LENGTH, METHOD GB CONTRIBUTES 5 ITS ACTUAL LENGTH, AND METHOD FF CONTRIBUTES IS TIMES ITS ACTUAL LENGTH

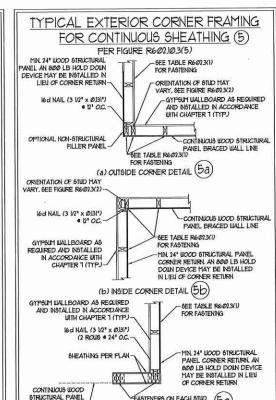


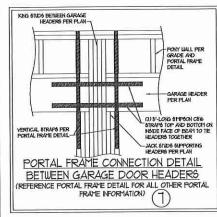


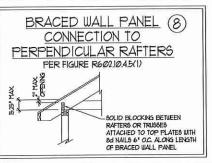


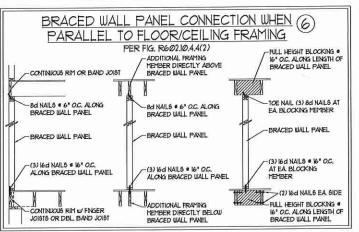


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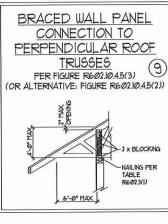




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SPEED WIND SETAILS DESIGN 'S AND DE MPH ULTIMATE I BRACING NOTES , 130 ALL MPH. 20

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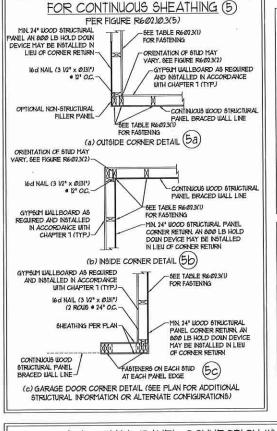
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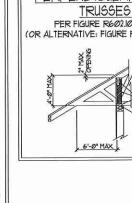
DATE: NOVEMBER 14, 2018

DRAWN BY- IST ENGINEERED BY: IST

D-2 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, CANTILEYERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIF DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF, ENGINEER'S SEAL DOES NOT APPLY TO 1-JOIST OR FLOOR/ROOF TRUSS
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NORC), 2016 EDITION, PLUS
  ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR AND WILL NOT HAVE CONTROL OF, CONSTRUCTION. MEANA METICODA TECHNIQUEA SEQUENCEA OR PROCEDUREA 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 (R3014 R301.7)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)	
ATTIC WITH LIMITED STORAGE	20	Ø	L040 (L/360 w/ BRITTLE FINISHES)	
ATTIC WITHOUT STORAGE	10	Ø	L/36Ø	
DECKS	40	Ø	L/360	
EXTERIOR BALCONIES	40	Ø	L/36Ø	
FIRE ESCAPES	40	Ø	L/36Ø	
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	100	L/36Ø	
PASSENGER VEHICLE GARAGE	50	Ø	L/360	
ROOMS OTHER THAN SLEEPING ROOM	40	Ø	L/36Ø	
SLEEPING ROOMS	30	Ø	L/36Ø	
STAIRS	. 40	Ø	L/36Ø	
WIND LOAD	(BASED ON TABLE R3Ø12(4) WIND ZONE AND EXPOSURE)			
GROUND SNOW LOAD: Pa	2Ø (PSF)			

- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480
- FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE 16 TO COMPLY WITH SECTION R40316 OF THE NORC, 2018 EDITION. FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE 16 TO COMPLY WITH SECTION 4504 OF THE NORC, 2018 EDITION.
- 5. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NORC, 2018 EDITION.

### FOOTING AND FOUNDATION NOTES

- I, FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING
- 2. FOR ALL CONCRETE BLABS AND FOOTNESS, THE AREA WITHIN THE FERMETER OF THE BUILDING BINELOFE BHALL 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 INFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE HILL DEPTINE SHALL NOT EXCEED TAY FOR CLEAN GRAW OR GRAVEL A 4" THICK BASED COURSE ONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE FLACED, A BASE COURSE IS NOT REQUIRED UNDER A CONCRETE SLAB IS NOTALLED ON WELL-DRANDED OR SAND-GRAVEL MIXTURES SOILS CLASSIFIED AS GROUP I, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDING WITH TABLE R405J OF THE NCRC, 2018 EDITION.
- 3. PROPERLY DEMATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE \$LAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 344" - I' DEEP CONTROL JONTS ARE TO BE SAUED WITHIN 4 TO IZ HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
- 4. CONCRETE SHALL CONFORM TO SECTION R4022 OF THE NORG, 2010 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 6:0. UELDED WIRE FABRIC TO BE ASTM A615, MANIAN A MINIMIM CONCRETE CONER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 1/12" IN \$1.485, FOR POWERD CONCRETE WALLS, CONCRETE CONCRETE ON REINFORCING STEEL MEASURED FROM THE WALLS FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE CONER FOR REINFORCING STEEL MEASURED FROM THE WISIDE FACE OF THE WALL SHALL NOT BE LESS. THAN I 1/2" FOR "5 BARS OR SMALLER, AND NOT LESS THAN 2" FOR % BARS OR LARGER.
- MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/THS 402. MORTAR SHALL CONFORM TO ASTM C710.
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIPES 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 6 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
- B. ALL CONCRETE AND MASCARY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R464 OF THE NCRC, 2018 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 333, NCMA TRASH-A OR ACE 530/ASCE 5/THS 402. TASCARY FOUNDATION WALLS ARE TO BE REINFORCED FER TABLE ROAWILTI, R464/JUZI, R464/JUZ R4041X5) OF THE NORC, 2018 EDITION, STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT 16" O.C. WHERE GRADE PERMITS (UNO).

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### FRAMING NOTES

- L ALL FRAMING LUMBER SHALL BE 12 SFF MINIMUM (Fb = 815 PS), FV = 315 PS), E = 16000000 PS)) UNLESS NOTED OTHERUISE (UNO). ALL ATED LUMBER SHALL BE 12 SYP MINIMUM (Fb = 915 PSI, Fv =115 PSI, E = 16000000 PSI) UNLESS NOTED OTHERWISE (UNO).
- 2. LAMNATED VENEER LUMBER (LVL.) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: FO +2600 PSI, FV + 265 PSI, E + 15000000 PSI. LAMNATED STRAND LUMBER (151,) SHALL HAVE THE FOLLOWING MINIMAM PROPERTIES: FO - 2325 PGI, FV - 310 PGI, E - 8500000 PGI.
  PARALLEL STRAND LUMBER (PGI, JUP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMAM PROPERTIES: FC - 25000 PGI, E - 18000000 PGI. 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 PLATES AND BARS.

HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE B

ASTM A53, GRADE B, TYPE E OR S

4. STEEL BEAMS SHALL BE SUPPORTED AT EACH BID WITH A MINIMUM BEARN'S LEWSTH OF 3 1/2" AND FULL FLANSE WIDTH (UNO), PROVIDE SOLID BEARNS FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS FOLLOUS (UNO):

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

LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TOE NAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 2X NALER IS SECURED TO THE TOP OF THE STEEL BEAM W/(2) ROUS OF SELF TAPPING SCREWS \* IS\* O.C. OR (2) ROUS OF 1/2\* DIAPETER BOLTS \* IS\* O.C. F 1/2\* BOLTS \* ARE USED TO FASTEN THE NALER, THE STEEL BEAM SHALL BE FARRICATED W/(2) ROUS OF 9/6\* DIAPETER

- 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 R600.1(1) AND R600.1(2) OF THE NORC, 2018 EDITION OR BE (2) 2 x 6 WITH (1) JACK AND (I) 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 SUFFICIED WITH (2) STUDS AT EACH BEARING PONT (UNO). INSTALL KING STUDS FER SECTION R602.75 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION
- 1. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR RULLY ON (1) JACK OR (2) STUDS MINIMUM OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDER TRUSSES PERFEDICILAR TO WALL AND SUPPORTED BY (3) STUDS OR LESS ARE TO HAVE I UP MINIMI BEARING (IND). ALL BEAMS OR GIRDER TRUSSES PERFEDICILAR 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 1/3" DIAMETER BOLTS (ASTM A3/81) 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
- 9. ALL I-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECFIED ON THE PLANS. ALL DEVIATIONS ARE TO
- 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 R607.10
- 11. PROVIDE DOUBLE JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR I-JOISTS FER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT. FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- Z, 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" MINIMIM EMBEDMENT AT SIDES FOR BRICK SUPPORT (UNO). FOR ALL HEADERS S'-Ø' AND GREATER IN LENGTH, BOLT A 6' x 4' x 5/6' STEEL ANGLE TO HEADER WITH IN' LAG SCREUS AT IN' 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 12" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION RT03.82.1 OF THE NORC, 2018 EDITION
- B. 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 ROUB OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS
- 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 1/2 YALLEYS (UNO).
- B. ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 1000 LB CAPACITY UPLET CONNECTORS TOP AND BOTTOM (UNO.) POSTS MAY BE SECURED USING ONE STIPSON HE OR LISE UPLET CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE IS "SECTION OF STIPSON CSIG 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.

Z 5992 3 N P G RALEIGH. FAX. (919) 7

SPEED - 130 MPH ULTIMATE DESIGN WIND STANDARD STRUCTURAL NOTES MPH 20

SCALE: 1/4" - 150"

DRAWN BY IES

ENGINEERED BY: IST



S-0 STRUCTURAL NOTES