HATTERAS



HATTERAS REVISION LIST - STRUCTURAL:

- 1. CODE UPDATE TO 2018 NCRC (1-19)
- 2. CALLED OUT LIOIST SERIES/SPACING SECOND FLOOR FRAMING AND CRAWL. ADDED EXTRA JOISTS (1-19)
- 3. (2) 2 x 6 HEADERS WHERE APPLICABLE (1-19)
- 4. 2 x 6 GARAGE WING WALLS AND (3) PLY HEADERS (1-19)

HATTERAS REVISION LIST - ARCHITECTURAL:

- 1.) DECORATIVE VENTS IN GABLE AND ROOF REMOVED FROM ELEVATION-C (3-27-14)
- 2.) SLID OPT. COVERED PORCH TO SIDE OF HOUSE TO MAKE ROOM FOR OPTIONAL PATIO (11-26-14)
- 3.) MOVED SERVICE DOOR TO FRONT OF GARAGE (1-12-15)
- 4.) ADDED WRAPPED PORCH OPTION, DOUBLE GARAGE DOOR OPTION, 12-0 DEEP REAR PORCH OPTION, CHANGED OPT. REAR PORCH ROOF FROM SHED TO GABLE (1-12-15)
- 5.) REMOVED DECORATIVE VENT AND DORMER FROM ELEVATION C (1-12-15)
- 6.) MADE FAMILY ROOM/ NOOK COLUMNS AND HALF WALL OPTIONAL INSTEAD OF STANDARD
- 7.) REWORKED MASTER BATH AND CLOSETS AS WELL AS LAUNDRY ROOM
- 8.) REMOVED OPTIONAL DESK FROM FAMILY ROOM (124-15)
- 9.) SLID OPT. SERVICE DOOR BACK SLIGHTLY TO WORK WITH ONE CAR GARAGE OPTION (124-15)
- 10.) ADDED ALL BRICK OPTION (124-15)
- 11.) MOVED C.O. FOR OPTIONAL THIRD CAR GARAGE FROM FRONT OF GARAGE TO REAR NEAR WATER HEATER (1-19).
- 12.) UPDATED CUTSHEETS TO NEW FORMAT (1-19)
- 13.) REMOVED ALL BRICK FRONT ELEVATIONS FROM ELEVATION OPTION SHEETS (1-19)
- 14.) MADE FIREPLACE OPTIONAL (1-19)
- 15.) CHANGED SIDING NOTES TO SPECIFY FIBER CEMENT SIDING ON A4, B4 AND C4 ELEVATIONS. (1-19)

| # | | HOMES

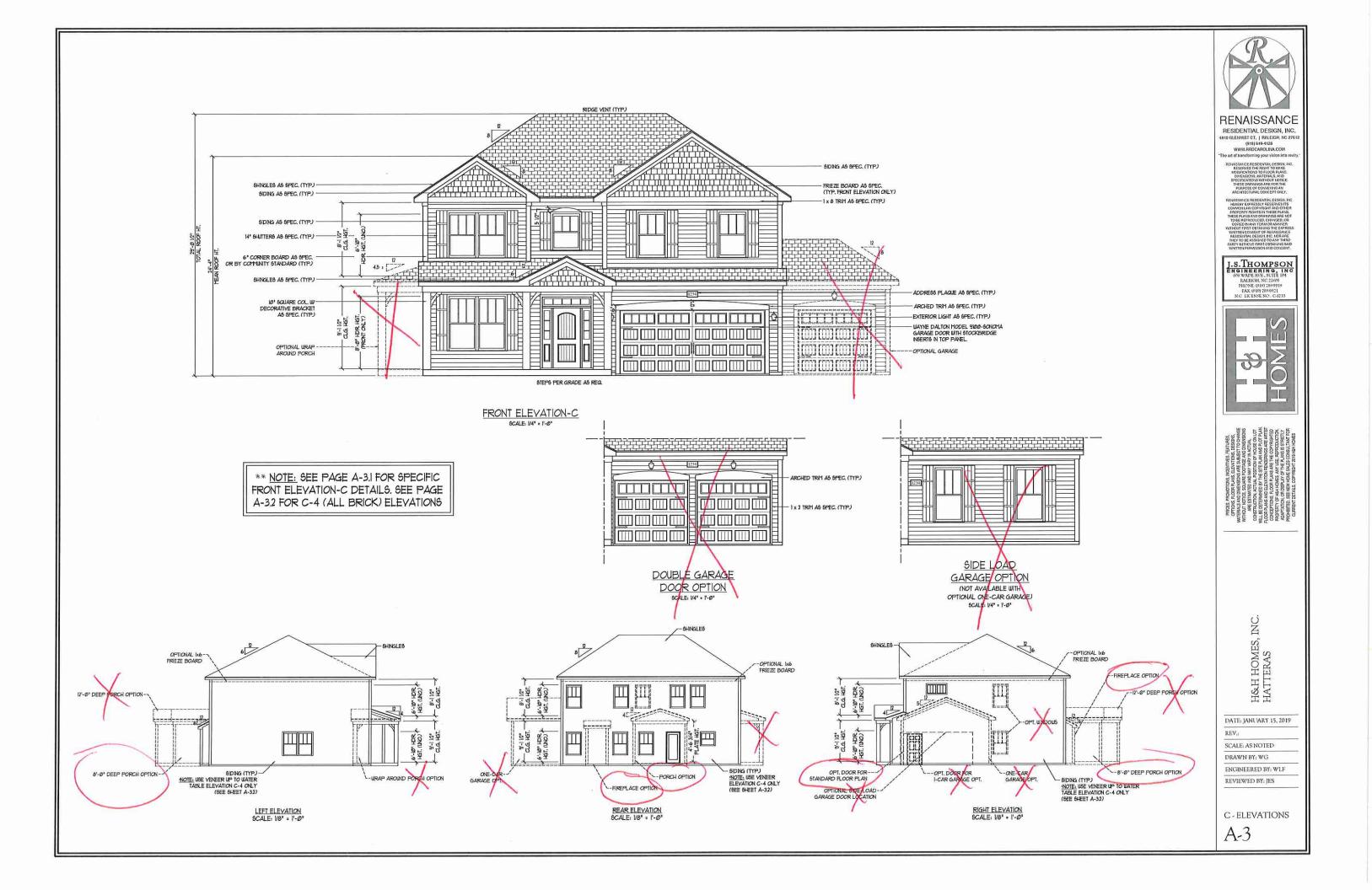
COVER SHEET

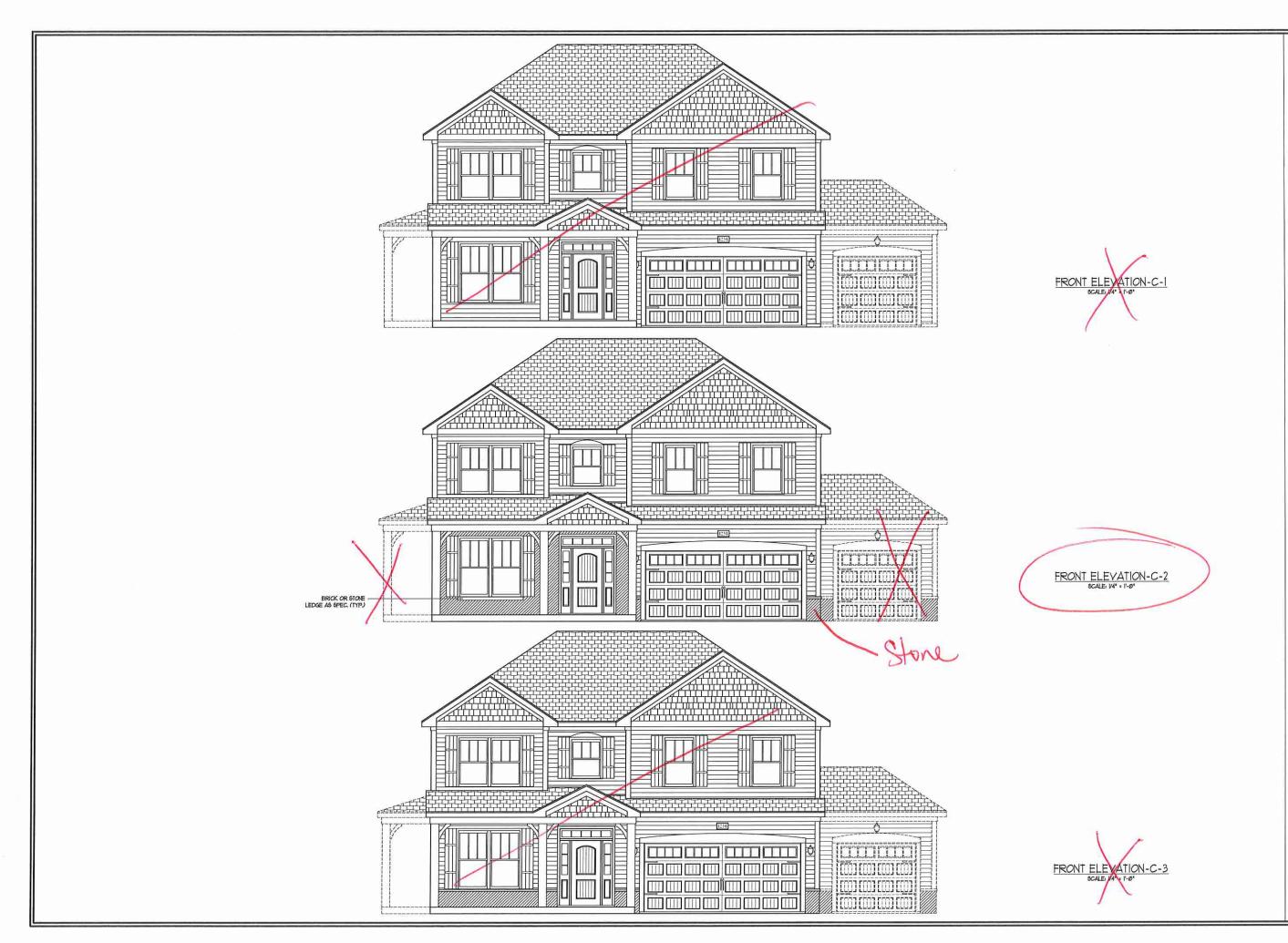
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H&H HOMES, INC. HATTERAS

DATE: JANUARY 15, 2019

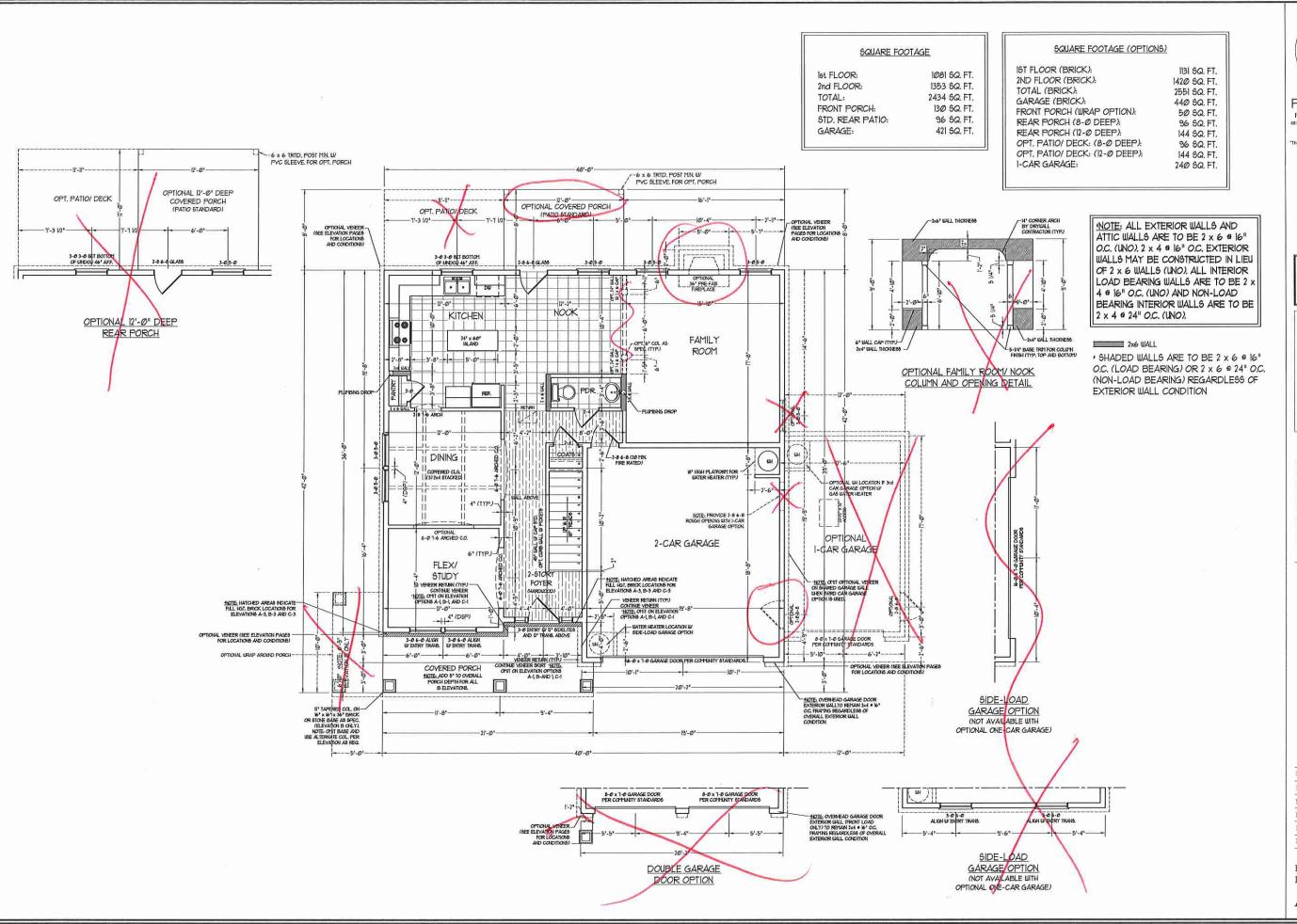
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ENGINEERED BY: WLF REVIEWED BY: JES

C - ELEVATION OPTIONS

A-3.1





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H&H HOMES, INC. HATTERAS

DATE: JANUARY 15, 2019

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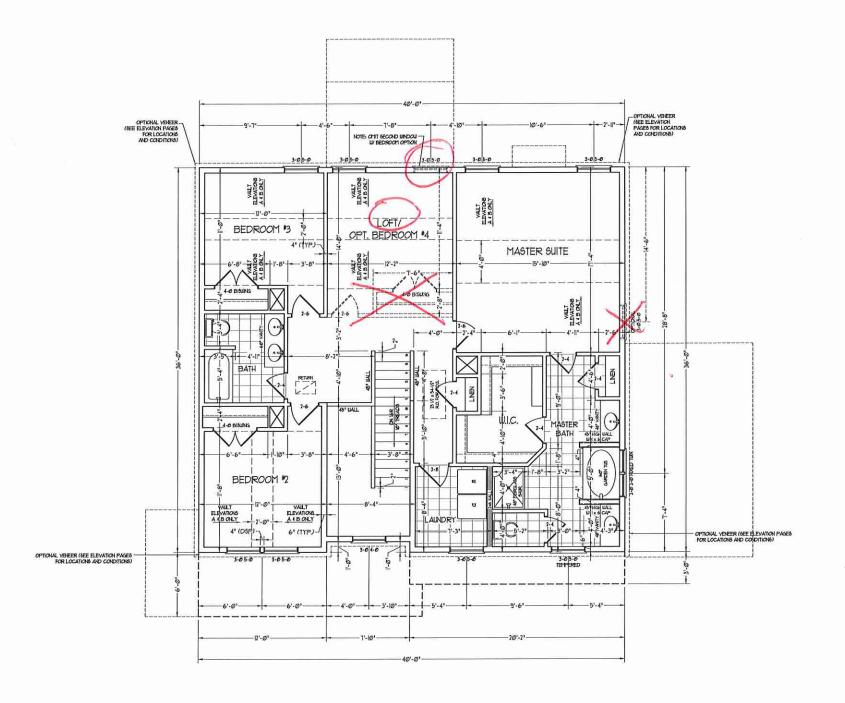
SCALE: 1/4"=1'-0"

DRAWN BY: WG ENGINEERED BY: WLF

REVIEWED BY: JES

FIRST FLOOR PLAN

A-4



NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 4 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



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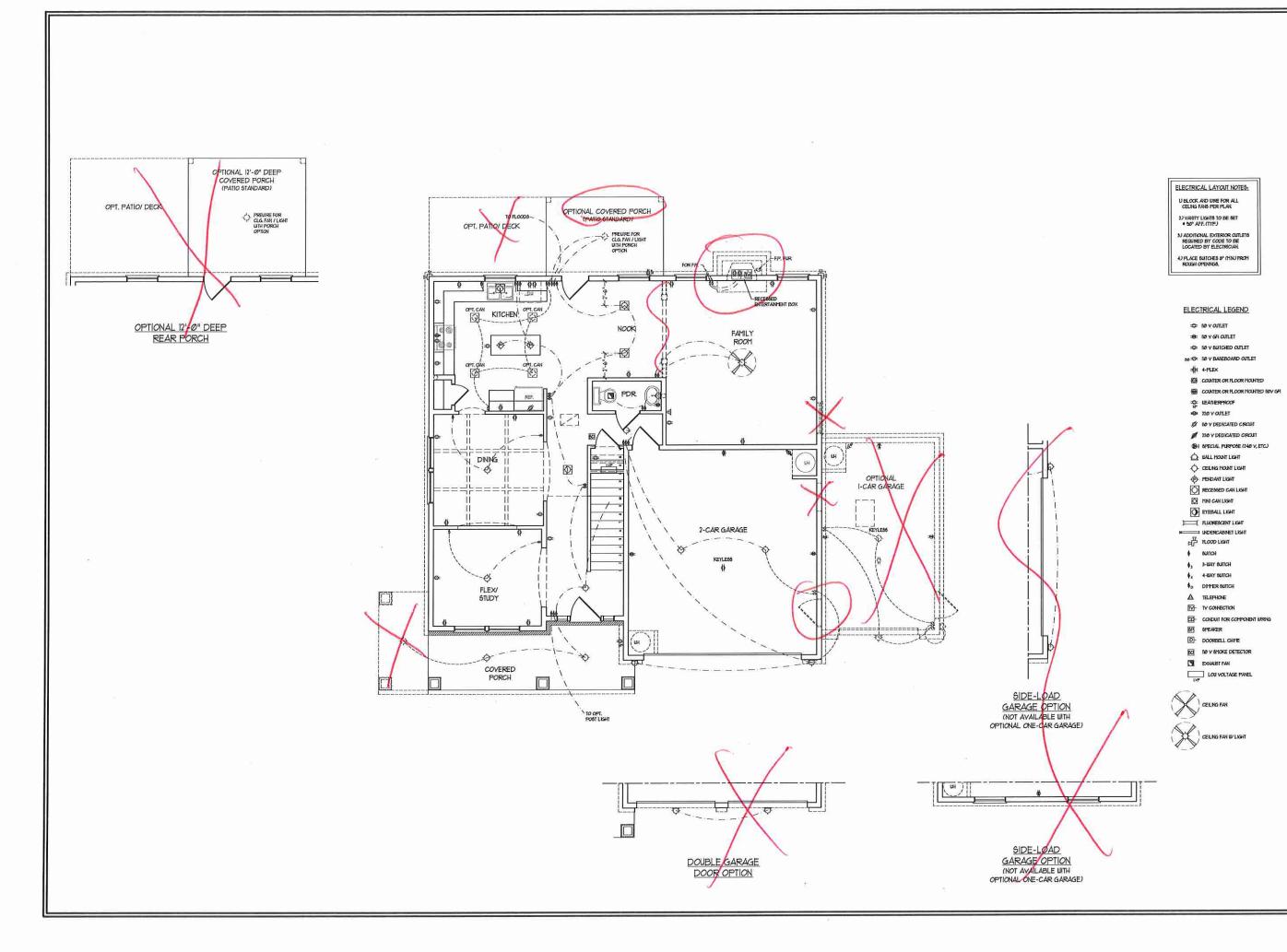
SCALE: 1/4"=1'-0"

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REVIEWED BY: JES

SECOND FLOOR PLAN

A-5





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H&H HOMES, INC. HATTERAS

DATE: JANUARY 15, 2019
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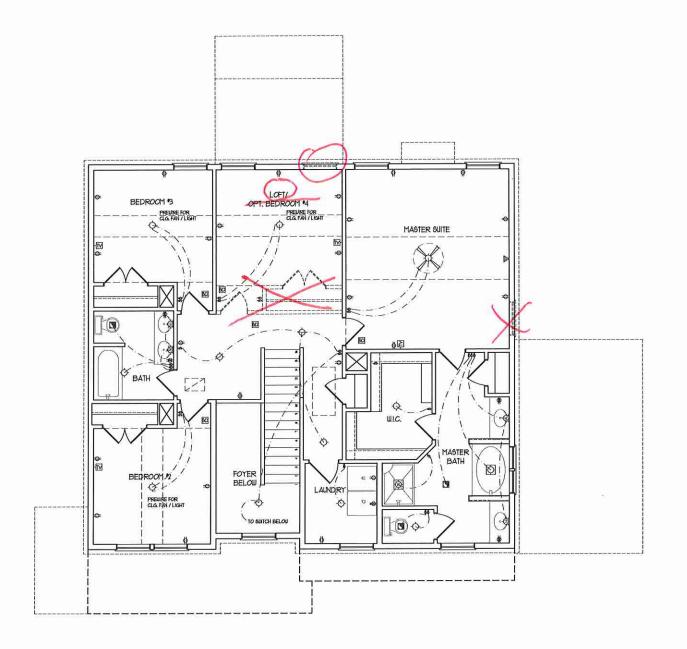
SCALE: 1/4"=1'0"

DRAWN BY: WG

ENGINEERED BY: WLF REVIEWED BY: JES

FIRST FLOOR ELECTRICAL PLAN

E-1



ELECTRICAL LAYOUT NOTES:

U BLOCK AND URE FOR ALL CELNG PANS PER PLAN

1) VANTY LIGHTS TO BE SET • 95° AFF. (TYP)

3) ADDITIONAL EXTERIOR CUTLETS REQUIRED BY CODE TO BE LOCATED BY ELECTRICIAN

4) FLACE SUITCHES S' (HNJ FROH ROUGH OPENINGS.

ELECTRICAL LEGEND

- DE V OUTLET

10 Y GFI CUTLET

10 Y SUITCHED OUTLET

ES - CO V BASEBOARD OUTLET

4-PLEX

(COUNTER OR FLOOR HOUNTED

器 COUNTER OR FLOOR MOUNTED NOV GH

EATHERT COST

◆ 200 Y OUTLET

NO V DEDICATED CROUIT

200 Y DEDICATED GROUT

H SPECIAL PURPOSE (140 V, ETC.) THE HOLD LIGHT

CELING MOUNT LIGHT

(P) PENDANT LIGHT

RECESSED CAN LIGHT

MNI CAN LIGHT

TYEBALL LIGHT

THIS PLUGRESCENT LIGHT INDERCABNET LIGHT

EL HOOD LIGHT

5. 3-MAY BUTTCH

4. 4-WAY SWITCH

P DIMER SUTICH

A TELEPHONE TV CONNECTION

CONDUIT FOR COMPONENT URING

EFF SPEAKER

D- DOORBELL CHIE

TO V SMOKE DETECTOR EXHAUST FAN

LOW YOLTAGE PAVEL



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

ENGINEERED BY: WLF

REVIEWED BY: JES

SECOND FLOOR ELECTRICAL PLAN

E-2

DOUBLE GARAGE

DOOR OPTION



- DIGNEER'S SEAL APPLIES ONLY TO

50 MPH ULTIMATE DESKIN UND SPEED NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT:

DIGNERA SEAL APPLES ONLY TO STRUCTURAL COPPAGNIS DENIETO SEAL OPENIETO RENERGO SEAL DOES NOT CENTRY D'ENSIGNAL LAYOUT NALLONS FOOR PERSON PER NORTH CARRAN RESIDENTIAL CODE, 20'S DESTION WHITE MECHAL CONSECTIONS DE RECULA CONSECTIONS AS REQUISED BY CHAPTER 45 (HASH UND JONES FOR BOTH UNDO) OF THE NORTH CARRAN RESIDENTIAL CODE, 20'S BETTION HASH PACHAL CONSECTIONS AS REQUISED BY CHAPTER 45 (HASH UND JONES FOR BOTH HASH ON THE NORTH CARRAN RESIDENTIAL CODE, 20'S BETTION RESIDENTIAL CODE, 20'S BETTION HASHOWAY OF THE NORTH CARRAN RESIDENTIAL CODE, 20'S BETTION HEAT ROCK PERSON TO CODE 20'S PERSON TO CODE 20

- NEAN BOOF PERSIT DE LESS BILM 30 PERT.

 ALL CLOOKS DESIGNED FOR 4/3 FIFE
 AND -31 FIFF (A BOUGHE FOR MITS)

 RECOTE CLOOKS DESIGNED FOR 4/3 FIFF
 AND -36 FIFF FOR ROOF PILICES DI 10

 AND -44 FIFF AND -51 FIFF FOR ROOF

 FILICED 33/3/1 TO VII.

 THE OBJECT CLOOKS OF THE FOR ROOF

 BULLS TO BE BRIZED IN ACCORDANCE

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 THE NICKE, 10/6 EDITION

120 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT:

- DOTENOR IMALIS DEMONED FOR DO HEN INDIA.

 MALI CALCONN DEMONED FOR HIS PER AND -30 PER (-N NOCALE PROFITME / NECKTINE PRESCHEE (TTP).

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- N ACCORDANCE WITH CHAPTER II OF THE NORC, 2006 EDITION. 8. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.



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INC. H&H HOMES, I HATTERAS

DATE: JANUARY 15, 2019 REV.

SCALE: 1/4"=1'0"

DRAWN BY: WG ENGINEERED BY: WLF

REVIEWED BY: JES

MONO SLAB FOUNDATION PLAN

S-1

GARAGE OPTION

OPTIONAL ONE-CAR GARAGE)

TOP AND BOTTOM ON INSIDE FACE OF HDRS.

DOUBLE GARAGE

DOOR OPTION

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

- OFENNAS.

 (LLV) = LOYA LEG VERTICAL

 LEYSTH CLEAR OFENNAS

 PYBED ALL AVGLE IRCA® MA 4* EACH

 SIDE NIO VENER TO PROVIDE BEARNAS.

 FOR ALL HEADERS 8*-0* AVD GREATER

 N. LEYSTH, AVGLE TO

 HEADER W VI' LAG SCREUS 02* OC.
- STAGGERED.

 STAGGERED.

 FASTEN (2) 2 x (Ø BLOCKING BETULEN

 STUDS Ø (4) Ø BLOCKING BETULEN

 STUDS Ø (4) Ø BAILS PER PLY. FASTEN

 A 6" x 4" x 5/6" STEEL ANGLE TO (2) 2 x

 Ø BLOCKING Ø (2) 1/2" LAG SCÆEUS 6 (Ø)

 OC. STAGGERED. SEE SECTION RIØSØ21

 CETTE 2048 HOPE FOR JADDITIONAL OF THE 2018 NCRC FOR ADDITIONAL BRICK SUPPORT INFORMATION
- PRECAST REINFORCED CONCRETE LINTELS ENGINEERED BY OTHERS MAY BE

TABLE R607.15 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER BPAN (FEET)	MAXIMUM STUD SPACING (INCHES) (PER TABLE R6013/5)	
(LEE1)	16	24
UP TO 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE SEE 12 (UNO). ALL TREATED LUMBER TO BE SYP 12 (UNO.) ALL LOAD BEARING HEADERS TO BE (2) 2 x 10
- (UNO). INSTALL AN EXTRA JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS WHERE NOTED ON THE PLANS.
- IUNDOULAND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA END (UNO) SEE TABLE R602.15 FOR ADDITIONAL KING STUD REQUIREMENTS. SQUARES DENOTE POINT LOADS WHICH REQUIRE
- SCALIPBECKEN AND SECURED WITH & NAILS AT SCALIP BLOCKED WITH DESCRIPTION AND A ALL SCALARES TO BE (2) STUDS (INO.) FOR INGHI WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH TWS 1958 SHEATHING WITH JONI'S BLOCKED AND SECURED WITH & NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
- FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROUS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND IZ BEYOND CONSTRUCTION JOINTS AND SHALL OVER AP GIRDERS AND DOUBLE SILL PLATES THEIR FILL DEPTH.

 ALL 4 × 4 POSTS SHALL BE ANGHORED TO SLABS
- W SMPSON ABU44 POST BASES (OR EQUAL) AND 6 x 6 POSTS w/ ABU66 POST BASES (OR EQUAL) (INO). ALL 4 x 4 AND 6 x 6 POSTS TO BE NSTALLED WITH 1000 LB CAPACITY UPLET
 CONNECTORS AT TOP (UNO)
 FOR FIBERGLASS, ALUMINIM, OR COLUMN ENG. BY
- OTHERS, SECURE TO SLAB W/ (2) METAL ANGLES USING 7" CONC. SCREUB, FASTEM ANGLES TO COLUMNS W I/A" 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 - DOUBLE STUD POCKET

GARAGE OPNON

(NOT AVAILABLE WITH

OPTIONAL ONE-CAR GARAGE)





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H&H HOMES, I HATTERAS

DATE: JANUARY 15, 2019

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

REV.:

DRAWN BY: WG ENGINEERED BY: WLF

REVIEWED BY: JES

SECOND FLOOR FRAMING PLAN

S-2

(3) 2 x 4

GIRDER TRUSS ENGINEERED BY OTHERS W/ (3) 2 x 6 OR (4) 2 x 4 EA END

ELEVATION C

ROOF TRUSSES-ENGINEERED BY OTHERS (ELEY, C ONLY)

(2) 2 x 10

2 x 6 BALLOON FRAMED WALL-• 16" O.C. OR 2 x 4 • 12" O.C. FOR ELEY, A AND B ONLY

NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 4 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 FER SECTION R60210 OF THE NORCE 7000 EDITION.

 G5-WEP RETERS TO "CONTINUOUS SHEATHING WOOD STRUCTURAL PAYELS" CONTRACTOR IS TO INSTALL 176" O'SB ON ALL EXTERIOR WALLS ATTACHED W 84 NAILS SPACED 6" OC. ALONS PASEL EDGES AND 10" OC. IN THE FIELD.

 GB RETERS TO "GYPSWI BOARD" CONTRACTOR IS TO INSTALL 17" (TINU GYPSWI WALL BOARD WHERE NOTED ON THE FLANS. FASTEN OB WITH I II" SCREWS OR I SIO" NAILS SPACED "O'. OC. ALONG PAYEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM FLATES.

 BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 150 MPH. FOR HIGH WIND ZONES WE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NCRC 2018 EDITION.
- WALL INFORMATION.

NOTE:

- PER SECTION R6/02/032 OF THE 2018 NORC, THE AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.
- AVAL 1916 IS RECONRED.

 SHEATH ALL EXTERIOR WALLS WITH 1916" OSB SHEATHING

 ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND

 12" O.C. IN THE FIELD.

	CHEDULE FOR AL 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 l/2 x 5/l6 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 DUIGS, FOR SIZE AND LOCATION OF
- OPENINGS. (LLV) = LONG LEG VERTICAL
- (LLY) = LONG LEG VERTICAL
 LENGTH = CLEAR OFENNA;
 EYBED ALL ANGLE IRONS MIN. 4" EACH
 BIDE INTO VENEER TO PROVIDE BEARNA;
 FOR ALL HEADERS 8" 0" AND GREATER
 IN LENGTH, ATTACH STEEL ANGLE TO
 HEADER W 10" LAG SCREUS 4" 12" O.C.
 STACKSPER W.
- STAGGERED.

 FOR ALL BRICK SUPPORT 9 ROCE LINES,
 FASTEN (3) 2 x 10 BLOCKING BETWEEN

 STUDO W (4) DIA NAULS FER PLY, FASTEN

 46 x 4" x 506" STEEL ANGLE TO (3) 2

 10 BLOCKING W (7) 1/2" LAG SCREWS 9 D* IO BLOCKING W (7) IV! LAG SCREUS & D.
 OC. STAGGERED. SEE SECTION R10383.1
 OF THE 108 NCBC FOR ADDITIONAL
 BRICK SUPPORT INFORMATION
 PRECAST REINFORCED CONCRETE
 LINTELS ENGINEERED BY OTHERS MAY BE
 USED IN LIEU OF STEEL LINTELS.

TABLE R603.75
MINIMM NUMBER OF RULL HEIGHT STUDS
AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MAXIMUM STUD SPACING (INC) (PER TABLE R6023/5)		
(FEE1)	16	24	
UP TO 3'	1	1	
4'	2	1	
8'	3	2	
ימ	5	3	
16"	6	4	

STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE SET 12 (UNO). ALL TREATED LUMBER TO BE 61P 12 (UNO)

 ALL TREATED LUMBER TO BE 61P 12 (UNO)

 ALL LOAD BEARNIS HEADERS TO BE (2) 2 x
 6 (UNO).

 BUNDOW AND DOOR HEADERS TO BE
- UNDOW AND DOOR HEADERS TO BE SUPPORTED WITH JULK STILL AND THE STUD EA END (UNO.) SEE TABLE RE-02.15 FOR ADDITIONAL KING STUD RECURRETENTS EQUIARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR
- FOUNDATION. ALL SQUARES TO BE (2) FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.)

 FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 17.6" OSB SHEATHING WITH JONTS BLOCKED AND SECURED WITH BOT NAILS AT 3" OC. ALONG EDGES AND 6"
- O.C. IN THE FIELD.
 FOR HIGH WIND ZONES, SECURE ALL
 EXTERIOR WALL SHEATHING PANELS TO
 DOUBLE TOP FLATES, BANDS, JOISTS, AND
- GIRDERS WITH (2) ROUS OF 8d NAILS STAGGERED AT 3" OC. PANELS SHALL STAGENED AT 3" OF, PARELS SHALL EXTEND BY BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR RULL DEPTH. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.
- DSP DOUBLE STUD POCKET TSP TRIPLE STUD POCKET



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H&H HOMES, I HATTERAS

DATE: JANUARY 15, 2019

REV.:

SCALE: 1/4"=1'0"

DRAWN BY: WG ENGINEERED BY: WLF

REVIEWED BY: JES

ATTIC FLOOR FRAMING PLAN S-3

-2 x 6 BALLOON FRAMED WALL • 16" O.C., OR 2 x 4 • 12" O.C. FOR ELEY, A AND B ONLY (2) KING STUDS FOR ELEY, A AND B ONLY

(2)2 x 10

(2) 2 x 10

GIRDER TRUSS ENGINEERED BY OTHERS W/ (3) 2 x 4 OR (3) 2 x 6 EA END

2 x 6 BALLOON FRAMED WALL 4 16"-O.C. OR 2 x 4 0 12" O.C. PROVIDE (2) KING STUDS EA SIDE OF WINDOW, FOR ELEY, A AND B ONLY

A 1 B CALY

-2 x 6 BALLOON FRAMED WALL • 12° O.C. FROM BELOW

(2) 2 x 10

A I B ONLY

(2) 2 x 10

YALT BEYATIONS A CB ONLY

u/ (3) 2 x 6 OR (4) 2 x 4 EA END

ELEY A 4 B ONLY

ROOF TRUSSES ENGINEERED BY OTHERS

ELEVATION C

ATTIC VENT CALCULATION:

- ALL FRAMING LUMBER TO BE 12 SFF (INO), CIRCLES DENOTE (3) 2 x 4 POSTS

- SFT (NO.)

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

 RAPE DOMER WALLS ON TOP
 OF DOUBLE OR TRIPLE RAFTERS.

 HIP SPLICES ARE 10 BE SPACED
 A MIN OF 8'-0". FASTS
 MEMBERS WITH THEER ROUS OF
 120 ANILS 9 8'-0". FASTS
 MEMBERS WITH THEER ROUS OF
 120 ANILS 9 8'-0". CATTP

 5 STICK FRAME OVER-FRAMED
 ROOF SECTIONS W 2 x 8 ROSES,
 2 x 6 RAFTERS 9 8'-0". AND
 H.AT 2 x 10 YALLEYS OR USE
 VALLEY TRIBSES.

 1, FASTS RAT TRIBSES WITH
 15"78"SOR HUSSES WITH
 15"78"SOR HUSSES
 15"18" AND PASSES
 15"18" AND PASSE

BRICK SUPPORT NOTE:

FASTEN (?)? X W BLOCKING BETWEEN WALL STUDS W (4) YICH NAILS FER PLY, FASTEN A 6" x 4" x 5/6" STEEL AVALE TO (?)? X W BLOCKING W (?) V? LAG SCREUS 6 12" O.C. STAGGERED, SEE SECTION R103821 CF THE 2019 NORC FOR ADDITIONAL BRICK MEADOR TO SCHALLAGE.



1185 SQ FT. OF ATTIC DIVIDED BY 150 REQUIRES 11.9 SQ. FT. OF NET FREE VENTILATING AREA (MIN.).

STRUCTURAL NOTES:

- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION

THE 20% NCRC FOR ADDITIONAL BRICK SUPPORT NORTHAINS.

WHERE ROOF SLOFES EXCEED TIS, NSTALL 31 x 31 x 14 SEEL FLATE STOPS AT 24 OC. FER SECTION RIDS 21 OF THE NORTH CAROLINA RESIDENTIAL CODE, 20/8 EDITION.



RENAISSANCE

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*The an of transforming your vision into re alsy.



H&H HOMES, INC. HATTERAS

DATE: JANUARY 15, 2019

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

REV.:

DRAWN BY: WG

ENGINEERED BY: WLF

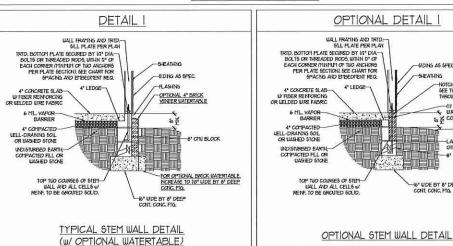
REVIEWED BY: JES

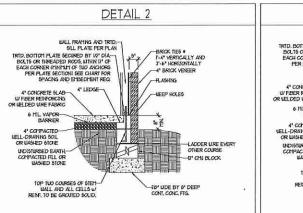
ROOF PLAN ELEVATION - C

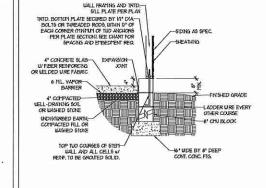


SLAB AT GARAGE DOOR DETAIL

STEMWALL DETAILS







DETAIL 3

-SIDNG AS SPEC.

H6" WIDE BY 8" DEEP CONT, CONC, FIG.

(I) ADDITIONAL LADDER

* USE BELOW TOP BRICK

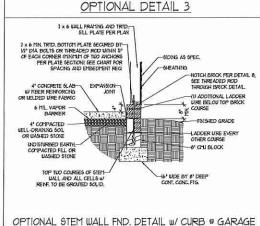
\$ \$\frac{7}{2}\$ COURSE CAST INTO BLAB

FNISHED GRADE

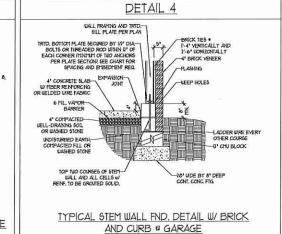
-LADDER URE EVERY OTHER COURSE

6' CHI BLOCK

- SHEATHING

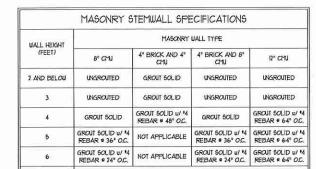


TYPICAL STEM WALL FND. W/ BRICK DETAIL



TYPICAL STEM WALL FND. DETAIL W/ CURB @ GARAGE

DET	AIL 8
INSIDE EDGE OF MASONRY STEMUALL	I/A" ANCHOR ROD - SPACED PER TABLE
LADDER WRE PER DETAIL	-/
BRICK MASONRY - 0 6 9	000 000 4
UTSIDE EDGE OF BRICK AND STICK FRAMED WALL ABOVE	
NOTCH BRICK # THREADED ROD AND GROUT SOLID-	/
THREADED ROD THRO	OUGH BRICK MASONRY



STRUCTURAL NOTES:

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

WALL HEIGHT I ADDRESS TO SETHER WITH LADDER WIRE AT 16" OF ME WALLY.

CHART APPLICABLE FOR HOUSE FOUNDATION ONLY, CONSULT ENGINEER FOR DESIGN OF GARAGE

FOUNDATION NOT CONTION TO HOUSE. BACKFILL OF CLEAN 151 / 161 WASHED STONE IS ALLOWABLE.

AND GREATER

. BACKFILL OF CLEAN '91 / 161 WASHED STONE IS ALLOWABLE.

. BACKFILL OF URLIL DRAINED OR SAND - GRAVEL HIXTURE SOILS (145 PSF.FT BELCU GRADE)

CLASSFIED AS GROUP I ACCORDING TO INFIED SOILS CLASSFICATION SYSTEM IN ACCORDANCE

WITH TABLE RAGE) OF THE 708 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

PREP SLAD PER PS-0621 AND 158/06/22 BASE OF THE 2018 INTERNATIONAL RESIDENTIAL CODE.

HINNINT 14* LAP SPLICE LENGTH.

ENGINEERED DESIGN BASED ON SITE CONDITIONS

MINIMAT A! LAP SPLICE LENGTH,

1. LOCATE REBAR IN CENTER OF FOUNDATION WALL.

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

AN	ICHOR SPACING AND	O EMBEDMENT
WIND ZONE	120 MPH	130 МРН
5PACING	6'-0" O.C.	4'-Ø" O.C.
EMBEDMENT	1.	15" INTO MASONRY 1" INTO CONCRETE

ZO NC 27605 S ERING. S. H ENGINE 606 WADE AVE. SUI PHONE. (919) 789

SPEED WIND E DESIGN ' I ULTIMATE I MPH I FOUT 130 MPH

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

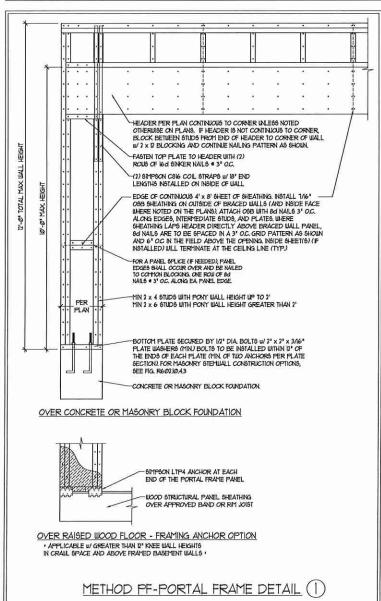
D-1 FOUNDATION DETAILS

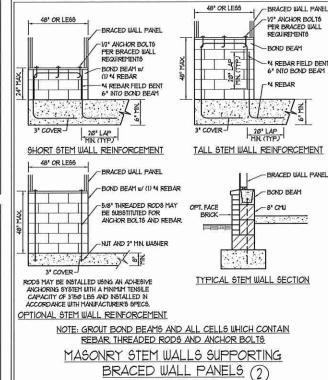


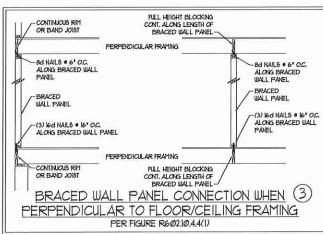
GENERAL WALL BRACING NOTES:

- WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NORC.). TABLES AND FIGURES REFERENCED ARE FROM THE 2018 NCRC.

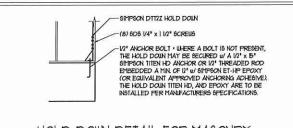
 2. SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2018 NCRC FOR ADDITIONAL INFORMATION AS NEEDED.
- SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS, DPIENSIONS, HOLD DOWN TYPE AND LOCATIONS, BRACED WALL LINE KEY WITH WALL DESKAN SUMMARY OF REGUIRED/PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES
- OR REGUIRE/ENTS.
 4. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-WSP IN ACCORDANCE WITH SECTION R6/02/0/3 UNLESS NOTED
- 5. ALL EXTERIOR AND INTERIOR WALLS TO HAVE IN GYPSUM INSTALLED, WHEN NOT USING METHOD "GB", GYPSUM TO BE
- 5. ALL EXTERIOR AND NITERIOR WALLS TO HAVE IN "GYPSUM INSTALLED, WHEN NOT USING METHOD "GB", GYPSUM TO BE FASTISED FER TABLE FROM 3.5. METHOD OF TO BE FASTISED FER TABLE ROOM).
 6. C3-WEP REFERS TO THE "CONTINUOUS SHEATHING WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 1/16" C98 SHEATHING 18 TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED W 6d COTH'ON NAILS OR 6d (2 1/2" LONG X ØIDS" DIAMETERS MALLS GENERAL MALLS OF SHEATHING ON THE "GYPSUM" BOARD" WALL BRACING METHOD. 1/2" (MIN GYPSUM WALL BOARD) IS TO BE INSTALLED ON BOTH SIDES OF THE "GYPSUM" BOARD" WALL BRACING METHOD. 1/2" (MIN GYPSUM WALL BOARD) IS TO BE INSTALLED ON BOTH SIDES OF THE BRACED WALL FASTISED WITH 11/4" SCREWS OR 15/6" NAILS GRACED 1" OC. ALONG PANEL EDGES INCLIDING TOP AND BOTHOM PLANES AND INTERVIEDIATE SUPPORTS (WIND.). YERFY ALL FASTISER OPTIONS FOR IZ" AND 56/6" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERVIOR FASTISER OPTIONS SEE TABLE RIGHTS.5. FOR EXTERIOR FASTISER OPTIONS SEE TABLE R6023(I). EXTERIOR GB TO BE NSTALLED VERTICALLY.
- REGUISED BRACED WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIPED RECTANGLE ARE NITERPOLATED FER TABLE RG 07. 103. METHOD CS-USP CONTRIBUTES ITS ACTUAL LENGTH, METHOD GB CONTRIBUTES 5 ITS ACTUAL LENGTH, AND METHOD FF CONTRIBUTES IS TIMES ITS ACTUAL LENGTH



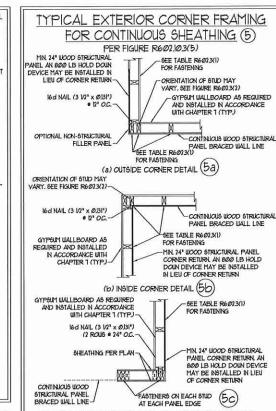


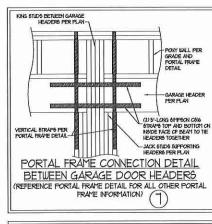


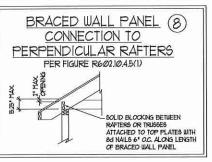
PER FIGURE R602.10.43

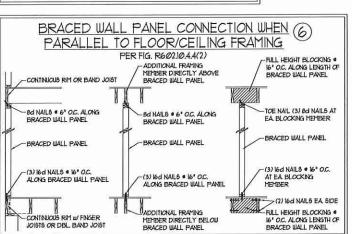


HOLD DOWN DETAIL FOR MASONRY FOUNDATION OR MONOLITHIC SLAB · APPLICABLE ONLY WHERE SPECIFIED ON PLAN







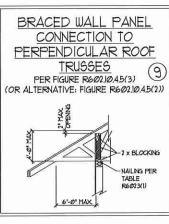


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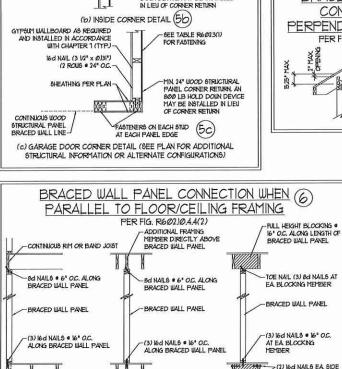
SPEED DESIGN WIND S S AND DETAILS MPH ULTIMATE I BRACING NOTES MPH.W 20

DATE: NOVEMBER 14, 2018 SCALE 1/4" - 1'0 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, COLUMS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF, ENGINEER'S SEAL DOES NOT APPLY TO 1-JOIST OR FLOOR/ROOF TRUSS
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NORC), 20/8 EDITION, FLUS ALL LOCAL CODES AND REGULATIONS, THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR AND WILL NOT HAVE CONTROL OF, CONSTRUCTION PEANS, METHODS, TECHNIQUES, BEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK NOW 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 NORC, 2018 EDITION (R3014 R301.7)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	Ø	L/140 (L/360 w/ BRITTLE FINISHES)
ATTIC WITHOUT STORAGE	10	Ø	L/36Ø
DECKS	40	10	L/36Ø
EXTERIOR BALCONIES	40	lø	L/36Ø
FIRE ESCAPES	40	lø	L/360
HANDRAIL SAGUARDRAILS	200 LB OR 50 (PLF)	100	L/360
PASSENGER VEHICLE GARAGE	50	Ø	L/36Ø
ROOMS OTHER THAN SLEEPING ROOM	40	₽ @	L/36Ø
SLEEPING ROOMS	3Ø	Ø	L/36Ø
STAIRS	40	NO.	L/36Ø
WIND LOAD	(BASED ON TABLE R3Ø12(4) WND ZONE AND EXPOSURE)		
GROUND ENOW LOAD: Pg	20 (PSF)		

- 1-JOIST SYSTEMS DESIGNED WITH IZ PSF DEAD LOAD AND DEFLECTION (IN) OF L/480
- 4. FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE 15 TO COMPLY WITH SECTION R40316 OF THE NORC, 2018 EDITION, FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE 15 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

- L. FOUNDATION DESIGN BASED ON A MINIMUM ALLOUABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING
- 2. FOR ALL CONCRETE \$LAB\$ AND FOOTING\$, THE AREA WITHIN THE PERINTETER OF THE DUILDING ENVELOPE \$HALL HAVE ALL VEGETATION, TOP \$010. AND FOREIGN MATERIAL, THE FILL SHALL BE COTPACIEDT TO ASSUME INFORM SUPPORT OF THE \$LAB, AND EXCEPT PUMPER APPROVED, THE FILL DEPTHS \$HALL NOT EXCEPT PAY FOR CLEAN \$AND OR GRAVEL A 4"THICK BASED COUNSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COUNSE IN NOT RECURIED ALL BE PLACED. A BASE COUNSE IN NOT RECURIED ALL BE PLACED. A BASE COUNSE IN NOT RECURIED ALL CONCRETE \$LAB IS NOTATED FOR AND GRAVEL SHALL BE PLACED. A BASE GROUP, I, ACCORDING TO THE WHIED SOIL CLASSIFIED AS GROUP, I, ACCORDING TO THE NOTA, 1003 EDITION.
- PROPERLY DEWATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE \$LAB IS AT OR BELOW WATER TABLE. IF
 APPLICABLE, 344" 1" DEEP CONTROL JOINTS ARE TO BE \$AUED WITHIN 4 TO 10" HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE
 BEEN MARKED. ADJUST WHERE NECESSARY.
- 4. CONCRETE SHALL CONFORM TO SECTION R40/2 OF THE NORC, 20/08 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A6/5 GRADE 60. UELDED WIRE FABRIC TO BE ASTM A8/5. MAINTAIN A HINMAIN CONCRETE CONER AROUND REINFORCING STEEL OF 3° N FOOTINGS AND 10° N SLABS. FOR POWERD CONCRETE WALLS, CONCRETE COYER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 3/4°. CONCRETE COYER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL NOT BE LESS. THAN I 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.
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR UNFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PERS MAY BE FILLED SOLID WITH CONCRETE OR TIME IN OR S MORTAR PIERS AND WILLS SHALL BE CAPPED WITH ST OF SOLID MASONRY.
- 1. THE CENTER OF EACH OF THE PIERS SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE NG, EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIER
- 8. ALL CONCRETE AND MASCINEY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OF THE NORC, 20% EDITION OR IN ACCORDANCE WITH ACI 38, ACI 333, NOTA TRAB-A OR ACE 5300/ASCE 5/MTG 402. MASCINEY FOUNDATION WALLS ARE TO BE REPROPRICED PER TABLE REVAULTS, R404/LIST), R404/LIST, OR R404/LIST OF THE NORC, 20% EDITION. CONCRETE FOUNDATION WALLS ARE TO BE RENFORCED FER TABLE. R404,1(15) OF THE NORG, 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

- 2. LAMNATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fo +2600 PSI, FV + 285 PSI, E + 19000000 PSI. LAMNATED STRAND LUMBER (LGL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Rb = 2325 PSI, Fv = 310 PSI, E = 155,0000 PSI PARALLEL STRAND LUMBER (PSL) UP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 25000 PSI, E +18000000 PSI.
- 3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

PLATES AND BARS. ASTM A36 HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE B

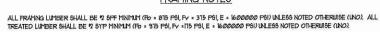
4. STEEL BEAYS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARNS; LENSTH OF 3 1/2" AND FILL FLANGE WIDTH (INFO). PROVIDE SOLID BEARNS; FROM BEAM SUPPORT TO POINDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS

A WOOD FRAMING (2) 1/2" DIA x 4" LONG LAG SCREUS 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 NAILER IS SECURED TO THE TOP OF THE STEEL BEAM W (2) ROUS OF SELF TAPPING SCREUG . (6* O.C. OR (2) ROUS OF IN* DIAMETER

- 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 SUFFORTED WITH (2) STUDS AT EACH BEARNG PONT (UNO). INSTALL KING STUDS FER SECTION R602/15 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION
- 1. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR RILLY 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 I 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
- 8. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A3/21) 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 SPECIFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION
- IØ, BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 20/08 EDITION WALL BRACING CRITERIA THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL CONTELY WITH ALL APPLICABLE TABLES IN SECTION R6/01/0.
- IL PROVIDE DOUBLE JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR 1-JOISTS FER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT
- 20 EOR ALL HEADERS SUPPORTING BRICK VEHER THAT ARE LESS THAN 8'-0' IN LENGTH REST A 6' x 4" x 5/6" STEEL ANGLE WITH 6" MINISTRA 5/16" STEEL ANGLE TO (2) 2 x 1/2 BLOCKING INSTALLED W (4) 12d NAILS EA PLY BETWEEN WALL STUDS WITH (2) ROWS OF 1/2" LAG SCREWS AT
- 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).
- 5. 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





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.

W AND WT SHAPES: ASTM A992

ASTM A53, GRADE B, TYPE E OR 5

(2) 1/2" DIA x 4" WEDGE ANCHORS
(2) 1/2" DIA x 4" LONG SIMPSON TITEN HD ANCHORS

BOLTS & 16" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED 11/ (2) ROUS OF 9/16" DIAMETER

- 5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION, SHADED SQUARES DENOTE POINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- 6. ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R602.7(1) AND R602.7(2) OF THE NCRC, 2018 EDITION OR BE (2) 2 x 6 WITH (1) JACK
- ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO)

- FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- EMBEDMENT AT SIDES FOR BRICK SUPPORT (UND). FOR ALL HEADERS &f. &F. AND GREATER IN LENGTH, BOLT A 6* x 4* x 5/6* STEEL ANGLE
 TO HEADER WITH IN* LAG SCREUS AT 12* O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6* x 4* x 4* x
- B. FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUFPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-9". FASTEN MEMBERS WITH THREE ROUS OF I'D NAILS AT IS' OC. FRAME DORFER 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
- SECURED USING ONE SIMPSON HE OR LITED UPLET CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST, ONE IS "SECTION OF SIMPSON COSE COIL STRAPPING WITH (6) EA HOG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIST STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE SIMPSON POST BASE.

> SPEED WIND DESIGN V ULTIMATE D 130 MPH U TANDARI . 130] ST MPH 20

DATE: NOVEMBER 14, 2018 SCALE: 1/4" + 1'0"

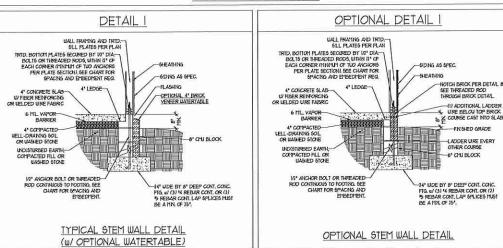
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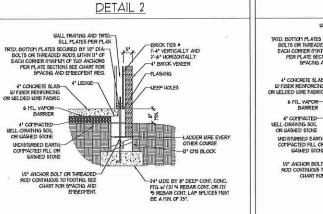
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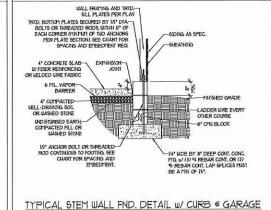


STRUCTURAL NOTES

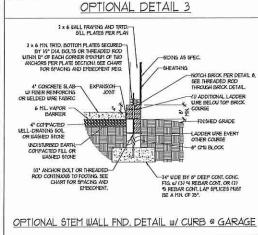
STEMWALL DETAILS



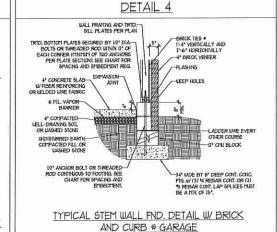


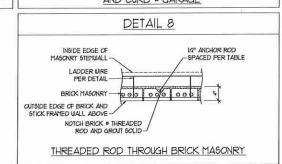


DETAIL 3



TYPICAL STEM WALL FND. W/ BRICK DETAIL





MASONRY STEMWALL SPECIFICATIONS WALL HEIGHT 4" BRICK AND 4" 4" BRICK AND 8" 12" CMU 8" CMU GROUT SOLID UNGROUTED UNGROUTED 2 AND BELOW UNGROUTED UNGROUTED GROUT SOLID UNGROUTED UNGROUTED GROUT SOLID w/ "4 REBAR # 48" O.C. GROUT SOLID W/ GROUT SOLID GROUT SOLID REBAR # 64" O.C. GROUT SOLID u/ 14 REBAR # 36° O.C. POUT SOLID II/ M GROUT SOLID w/ NOT APPLICABLE GROUT SOLID w/ 4 GROUT SOLID w/ GROUT SOLID #/ 14 NOT APPLICABLE REBAR # 24" OC. REBAR # 24" O.C. REBAR # 64" O.C ENGINEERED DESIGN BASED ON SITE CONDITIONS AND GREATER

STRUCTURAL NOTES:

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

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

7. TIE MILTIPLE WITHER TOGETHER WITH LADDER WIRE AT 16" OC. VERTICALLY.

8. CHART APPLICABLE FOR MOUSE FOUNDATION QULY. CONSULT ENGINEER FOR DESIGN OF GARAGE FOUNDATION NOT CONTON TO HOUSE.

8. BACKFILL OF CLEAN \$1" AND WASHED STONE IS ALLOWABLE.

8. BACKFILL OF CLEAN \$1" AND WASHED OR SAND - GRAVEL MIXTURE SOLIS (4.5 PEPFT BELOW GRADE) CLASSFIED AS GROUP I ACCORDING TO UNIFED SOLIS (LASSFICATION SYSTEM IN ACCORDANCE WITH TABLE RIVES) OF THE 7018 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

6. PREP 9LAD FER 650621 AND 150612 DASE OF THE 7018 INTERNATIONAL RESIDENTIAL CODE. MINIMUM 74" LAP SPLICE LENGTH.

1. LOCATE REBAR IN CENTER OF FOUNDATION WALL.

8. WHERE REGUIRED, HLL BLOCK SOLID WITH TYPE 15" HORTAR OR 3000 PSI GROUT, USE OF "LOW LIFT GROUTING" METHOD REQUIRED WHEN FILLING WALLS WITH GROUT AT HEIGHTS OF 5" AND GREATER

ANCH	OR SPACING AND EMBE	OMENT - STEM WALL
WIND ZONE	140 MPH	150 MPH
5PACING	1'-9' O.C u/ DOUBLE SILL PLATE u/ 2" x 2" x 1/8' WASHERS	1'-6' OC u/ DOUBLE SILL PLATE u/ 2" x 2" x 1/8' WASHERS
EMBEDMENT	RODS CONTINUOUS FROM FOOTING UP THROUGH SILL PLATE W/ 1" MIN CONCRETE EMBEDMENT	RODS CONTINUOUS FROM FOOTING UP THROUGH SILL PLATE W/ 1º MIN CONCRETE EMBEDMENT

ANCHO	OR SPACING AND EMBED	MIENT - MONO SLAD
WIND ZONE	140 MPH	150 MPH
5PACING	6'-0" O.C. u/ DBL. SILL PLATE OR 1'-9" O.C u/ SINGLE SILL PLATE u/ 2" x 2" x 1/0" WASHERS	6'-0" O.C. w/ DBL SILL PLATE OF I'-6" O.C w/ SINGLE SILL PLATE w 2" x 2" x 1/8" WASHERS
EMBEDMENT	71	7*

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SPEED WIND E DESIGN DETAILS MPH ULTIMATE I FOUNDATION D 150 MPH. 9

DATE- NOVEMBER 14: 2018 SCALE-NTS DRAWN BY: IST ENGINEERED BY: JES

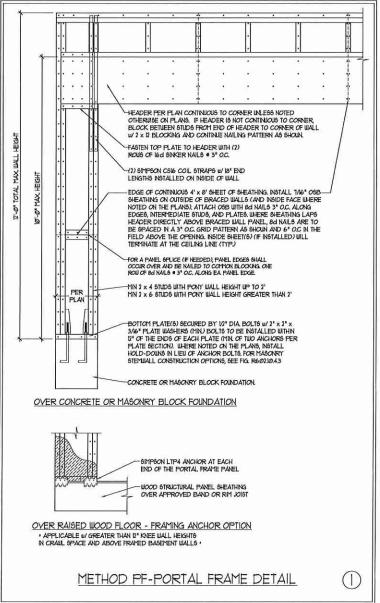
D-1 FOUNDATION DETAILS

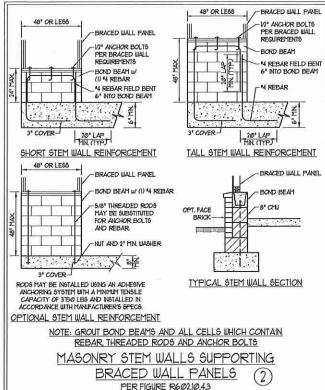


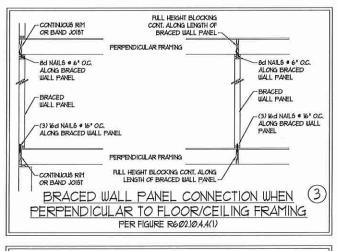
GENERAL WALL BRACING NOTES:

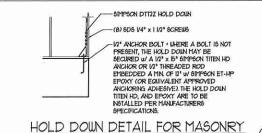
- 1. WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 AND CHAPTER 45 OF THE 2016 NC RESIDENTIAL BUILDING CODE (NCRC), TABLES AND FIGURES REFERENCED ARE FROM THE 2016 NCRC.

 2. SEE THIS SHEET FOR GENERAL DETAILS, REFER TO THE 2016 NCRC FOR ADDITIONAL INFORMATION AS NEEDED.
- SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS, DIMENSIONS, HOLD DOWN TYPE AND LOCATIONS, AND ANY
- SEE STRICTIONAL SHEETS FOR BRAZED WALL ECCATIONS, DIFFIDENCING, HOLD DOWN THE AND ECCATIONS, AND ANY SPECIAL NOTES OR REQUIREMENTS.
 ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH TIME OBB WITH BLOCKING AT ALL SHEATHING JOINTS AND 8d NAILS AT 3" OC. ALONS DOCES AND 6" OC. N THE FIELD INLESS NOTED OTHERWISE.
 SECURE ALL EXTERIOR WALL SHEATHING PAYELS TO DOUBLE TOP FLATES, BAND JOISTS, AND GIRDERS WITH (12) ROUS
- OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND IZ" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND SILL PLATES THEIR RULL DEPTH.
- 6. ALL EXTERIOR WALLS TO BE SHEATHED ON INSIDE FACE WITH IZ GYPSUM BOARD PER TABLE R10035 (INO).



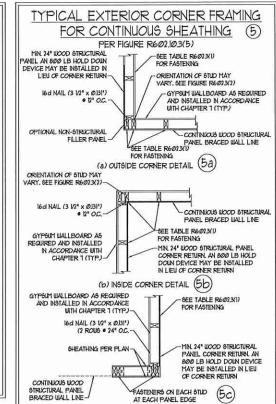






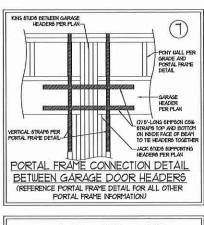
FOUNDATION OR MONOLITHIC SLAB

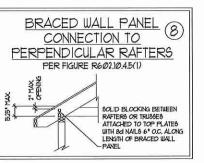
· APPLICABLE ONLY WHERE SPECIFIED ON PLAN

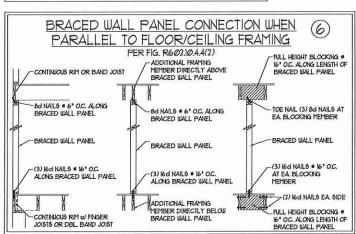


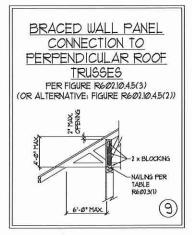
(c) GARAGE DOOR CORNER DETAIL (SEE PLAN FOR ADDITIONAL

STRUCTURAL INFORMATION OR ALTERNATE CONFIGURATIONS)









DATE-NOVEMBER 14, 2018 SCALE: 1/4" = 1'0" DRAWN BY IST

> D-2 BRACED WALL NOTES AND DETAILS AND PF DETAIL

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> SPEED WIND STAILS DESIGN W MPH ULTIMATE I BRACING NOTES -150 ALL 1 MPH.W 4

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

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	10	L/140 (L/360 W/ BRITTLE FINISHES)
ATTIC WITHOUT STORAGE	10	10	L/36Ø
DECKS	40	10	L/36Ø
EXTERIOR BALCONIES	40	₩	L/36Ø
FIRE ESCAPES	40	NO.	L/36Ø
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10	L/36Ø
PASSENGER VEHICLE GARAGE	5Ø	10	L/36Ø
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/360
SLEEPING ROOMS	3Ø	100	L/360
STAIRS	40	10	L/360
WIND LOAD	(BASED ON TABLE R3@12(4) UND ZONE AND EXPOSURE)		
GROUND SNOW LOAD: Pa	20 (PSF)		

- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480
- FLOOR TRUSS SYSTEMS DESIGNED WITH IS PSF DEAD LOAD
- 4. FOR 15 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION R40316 OF THE NORC, 2018 EDITION. FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE IS 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

- L FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 1000 PSF, CONTACT GEOTECHNICAL ENGINEER IF BEARING CAPACITY IS NOT ACHIEVED.
- 2. FOR ALL CONCRETE SLABS AND FOOTINGS, THE AREA WITHIN THE PERIFICIEN OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP SOIL AND FOREIGN MATERIAL REPROVED. FILL HATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO ASSUME INFORM SUPPORT OF THE BLAB, AND DOES FROW THE PROVED, THE FILL DEPTHS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL A 4" THICK BASED CONSEC CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT RECURRED WHERE A CONCRETE SLAB IS NOTATION OF LIELL PRANCED OR SAND-ACEL MOTINGS SOILS CLASSIFIED AS GROUP. I, ACCORDING TO THE WHITED SOIL CLASSIFICATION SYSTEM IN ACCORDING TO THE ROPE, 70% BEDITION.
- PROPERLY DEWATER EXCAVATION PRIOR TO POURN'S CONCRETE WHEN BOTTOM OF CONCRETE SLAB IS AT OR BELOW WATER TABLE. F
 APPLICABLE, 3/4" I'P DEEP CONTROL JOINTS AND TO BE SAMED WITHIN 4 TO IT HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE
 BEEN MANKED. ADJUST WHERE NECESSARY.
- 4. CONCRETE SHALL CONFORM TO SECTION R4012 OF THE NORG, 2016 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM AGIS GRADE 60.

 WELDED WIRE FABRIC TO DE ASTM AGIS, MAINTAIN A MINIMM CONCRETE COVER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 1 12" IN

 SLASS, FOR POWED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL

 NOT BE LESS THAN 34", CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL NOT BE LESS

 THAN 1 12" FOR 75 BARS OR SMALLER, AND NOT LESS THAN 2" FOR 45 BARS OR LARGER.
- MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL CONFORM TO ASTIM COTO.
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR UNFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS, PERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR 8 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 115 RESPECTIVE FOOTING, EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS.
- 8. ALL CONCRETE AND MASCHRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION RADA OF THE NORC, 70% EDITION OR IN ACCORDANCE WITH ACI 315, ACI 337, NOTA TRASE-A OR ACE 530/1430/E BITTS 4 607. MASCHRY FOUNDATION WALLS ARE TO BE REINFORCED FER TABLE RADALIVI, PROVINCIA), OR RADALIVI OF THE NORC, 70% EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED FER TABLE RADALIVIS) ACT HIS NORC, 70% EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALLS TO 2 X 6 FRAMED WALLS TO CONCRETE FOUNDATION WALL

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FRAMING NOTES

- L ALL FRAMING LUMBER SHALL BE 12 SPF MINIMM (Fb = 815 P6), Fv = 315 P6), Fv = 16/00/00/00 P6)) UNLESS NOTED OTHERUISE (UND). ALL TREATED LUMBER SHALL BE 12 SYP MINIMM (Fb = 915 P6), Fv = 115 P6), Fv = 16/00/00/00 P6)) UNLESS NOTED OTHERUISE (UND).
- 2. LAMMATED VENER LIMBER (LVL) SHALL HAVE THE FOLLOWING MINIMIT PROFERTIES. TO *2600 PGI, FV * 136 PGI, E * 1200000 PGI. LAMMATED STRAND LIMBER (LGL) SHALL HAVE THE FOLLOWING MINIMIT PROFERTIES: TO * 2325 PGI, FV * 310 PGI, E * 8500000 PGI. PARALLEL STRAND LIMBER (PGL) UP TO 17 DEPTH SHALL HAVE THE FOLLOWING MINIMIT PROFERTIES. FC * 2500 PGI, E * 12000000 PGI. PARALLEL STRAND LIMBER (PGL) MORE THAN 17 DEPTH SHALL HAVE THE FOLLOWING MINIMIM PROFERTIES. FC * 2500 PGI, E * 20000000 PGI. PGI MINIMIT PROFERTIES. FC * 2500 PGI, E * 200000000 PGI MINIMITED PGI MINIMITED.
- 3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

A W AND WT SHAPES: ASTM ASS1:

B. CHANNELS AND ANSLES: ASTM AS6

C. PLATES AND BARS: ASTM AS6

D. HOLLOW STRUCTURAL SECTIONS: ASTM AS6

ASTM AS60 GRADE B

E. STEEL PIPE: ASTM A53, GRADE B, TYPE E OR S

 STEEL BEAMS SHALL BE SUPPORTED AT EACH BYD WITH A MINIMM BEARNS; LENSTH OF 3 I/3* AND RILL FLANSE WIDTH (INO). PROVIDE SOLID BEARNS; PROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANSE TO EACH SUPPORT AS FOLLOW (INO).

A WOOD FRAMING (2) I/Y DIA x 4* LONG LAG SCREWS
B. COKKETE (2) I/Y DIA x 4* LONG LAG SCREWS
C. MASONRY (FULLY GROUTED) (2) I/Y 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 (2) ROUS OF SELF TAPPING SCREUS 9 IS 0.C, OR (2) ROUS OF IG! DIAPETER BOOLTS 9 IS 0.C, IF IG! BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED W/ (2) ROUS OF 9/6* DIAPETER BOLTS 9 IS 0.C. IF IG! BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED W/ (2) ROUS OF 9/6* DIAPETER

- SQUARES DEVOTE PONT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION, SHADED SQUARES DEVOTE PONT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- 6. ALL LOAD BEARN'S HEADERS TO CONFORM TO TABLE R602.1(1) AND R602.1(2) OF THE NCRC, 2008 EDITION OR BE (2) 2 x 6 WITH (1) JACK AND (1) KNG STUD EACH END (INO), WHICHEVER 18 GREATER ALL HEADERS TO BE SECURED TO EACH JACK STUD WITH (4) 8d NAILS, ALL BEANS TO BE SUFFORTED WITH (2) STUDS AT EACH BEARN'S FONT (INO). INSTALL KINS STUDS FER SECTION R602.15 OF THE NORTH CAROLING REGISTRAL CODE 2018 EDITION.
- 1. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR FULLY ON (1) JACK OR (2) STUDS MINIMAL 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 I MY MINIMAL BEARDS (MN). 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 (MN). BEAM ENDS THAT BUTT NTO ONE ANOTHER ARE TO EACH BEAR EQUAL LEWSTHS (MNO).
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING IO! DIAMETER BOLTS (ASTM A301) WITH WASHERS PLACED AT THREADED BND OF BOLT.
 BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMIM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS
 LOCATED AT ALEROM EXCLUSION (AND EXCLUSION).
- 9. ALL I-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE REQUEST TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
- 10. BRACED WALL PAYELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 20'08 EDITION WALL BRACING CRITERIA THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R6:0210.
- 1 PROVIDE DOUBLE JOIST INDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT INDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR I-JOISTS PER HAVEACTURER'S PECFEICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- 12. FOR ALL HEADERS SUPPORTING BRICK YENEER THAT ARE LESS THAN 8".0" IN LENGTH, REST A 6" x 4" x 5/6" STEEL ANGLE WITH 6" MINIMAL EMBEDMENT AT SIDES FOR BRICK SUPPORT (UNO). FOR ALL HEADERS 8".0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/6" STEEL ANGLE TO HEADER WITH US" LAG SCREUB AT 10" O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 4" x 5/6" STEEL ANGLE TO (2) 2 x 10" BLOCKING INSTALLED W/ (4) 10 A NAILS EA PLY BETWEEN WALL STUDS WITH (2) ROUS OF V2" LAG SCREUB AT 10" O.C. STAGGERED AND IN ACCORDANCE WITH GETTION REPOSAD) OF THE NORC, 20% EDITION.
- B. FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMAN OF 8'-9", FASTEN MEMBERS WITH THREE ROUS OF IZA NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SACIAL (MA).
- I4. FOR TRUSSED ROOFS: TRAY'E DORFTER 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 (IND).
- E. ALL 4 x 4 AVD 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS TOP AVD BOTTOM (INO.) POSTS MAY BE SECURED USING ONE SYMPSON H6 OR LITST UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF SECHOLOGY OF SYMPSON COSE COIL. STRAPPING WITH (6) 64 HDG NAIL.5 AT EACH END MAY BE USED IN LIEU OF EACH TWIST STRAP F DESIRED. FOR MASONEY OR CONSCRETE FOUNDATION USE SYMPSON POST BASE.





40 MPH - 150 MPH ULTIMATE DESIGN WIND SPEED STANDARD STRUCTURAL NOTES

DATE: NOVEMBER 14, 2018

DRAWN BY: JES

ENGINEERED BY: IST



S-0 STRUCTURAL NOTES