NOTICE TO CONTRACTOR struction must comply with current NC Building Codes

APPROVED





06/18/2020

ENGAGE H&H HOMES

PLAN REVISIONS

II-08-IT COMPLETED CONSTRUCTION DOCUMENTS INCLUDING CLIENT REVIEW COMMENTS.

II-16-11 MIRRORED PLANS TO CREATE LEFT HAND GARAGE VERSION.

09-12-18 STANDARO CLIENT CHANGES PER CLIENT WALK-THRU NOTES DATED 08-30-18, CHANGES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: REMOVE OPT, LAUNDRY TUB, REMOVE KITCHEN ISLAND KNEEWALLS, ADD PLUMBING DROP UNDER CABINET, REVISE ALL SECONDARY CLOSETS AND LINENS TO HAVE BI-FOLD DOORS, REMOVE WINDOW GRIDS AT SIDES AND REAR ELEVATIONS, REVISE DATA DROPS TO BE I PHONE IN KITCHEN AND I T.Y. IN OWNERS SUITE AND GATHERING ROOM ONLY, REMOVE COVERED PORCH OPTION, REVISE KITCHEN LIGHTING TO BE 4-BULB

PLAN SPECIFIC CHANGES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: CENTERED WINDOW AT GATHERING ROOM IN KITCHEN HALLWAY, REMOVE OPT, DOOR AT LAUNDRY, REMOVE OPT, WINDOW AT POUDER BATH AND BEDROOM 3, MADE OPT, WINDOW AT LOFT STANDARD AND MADE 2ND FLOOR HALL CLOSET 2-6 DOOR

02-15-19 COMPLETED CLIENT COMMENTS.

02-11-20 UPDATED DIMENSIONS FOR PAD AND PATIO. REVISED ROOM DIMENSIONS FOR THE FOLLOWING ROOM: GATHERING ROOM WAS 15'-0" X 16'-5", NOW IT 18 15'-0" X 12'-3". CHANGED WASHER, DRYER, AND REFRIGERATOR TO OPTIONAL COMPONENTS. CREATED CUTSHEETS. CHANGE LOCATIONS OF HOSE BIBBS TO BE ON HEATED WALLS. VERIFY HDR HGTS ARE AT LEAST 1'-0". VERFIED MASTER'S WAS CHANGED TO OWNER'S. CHANGED 2X4 WALL AT REAR GARAGE WALL TO 2X6. REMOVED FLOOD LIGHTS AND SUITCHES/WIRING AT REAR. ADDED ROOF VENT CALCULATIONS.
ADDED THERMOSTAT TO FIRST FLOOR ELECTRICAL PLAN.
DIMENSIONS CEILING FAN IN GATHERING ROOM ON ELECTRICAL PLAN. UPDATED FOR NC RC 2018 AND 5C IRC 2018. VERIFIED VENTILATION REQMTS AT OWNER'S BEDROOM ADDED INSULATION INFORMATION ON PLANS UPDATED THE SF AS FOLLOUS: ELEY-A 19T FLOOR WAS 111 SP, NOW 116 SF ELEY-A 2ND FLOOR WAS 918 SF, NOW 916 SF

ELEV-A TOTAL SP WAS 1155 SF, NOW 1152 SF ELEV-C IST FLOOR WAS 111 SP, NOW 116 SF ELEY-C 2ND FLOOR WAS 918 SF, NOW 912 SF ELEV-A TOTAL SP WAS 1155 SF, NOW 1148 SF

/ SQUARE FO	OOTAGE
AREA	ELEV 'A'
1ST FLOOR	776 SQ. FT.
2ND FLOOR	976 SQ. FT.
TOTAL (HEATING)	1752 SQ. FT.
GARAGE (UNHEATED)	259 SQ. FT.
PORCH	36 SQ. FT.
PAD	16 SQ. FT.
OPTIONAL GARAGE	240 SQ. FT.
OPTIONAL PATIO	80 SQ. FT.

SQUARE	FOOTAGE -
AREA	ELEV 'C'
1ST FLOOR	776 SQ. FT.
2ND FLOOR	972 SQ. FT.
TOTAL (HEATING)	1748 SQ. FT.
GARAGE (UNHEATED)	259 SQ. FT.
PORCH	36 SQ. FT.
PAD	16 SQ. FT.
OPTIONAL GARAGE	240 SQ. FT.
OPTIONAL PATIO	80 SQ. FT.

ISSUACE OF PLAYS FROM THIS DRAFTERS OTHCE SWALL NOT RELEVE THE BUILDER OF REPONSIBILITY TO REVISU AND VERRY ALL NOTES, DYDINGONS, AND JOJEPHICE TO APPLICABLE BUILDING CODES PROOR TO CONTROLLED OF ANY CONSTRUCTION.

ANY DISCORPANCY OF ERROR IN NOTES, DYDINGS OR ADVERBICE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTRICTOR OF THE DRAFTERS OTHCE FOR CORRECTION BEFORE CONTEXES HAVE BEEN REPORTED ON THE ATTRICTOR OF THE PROOF OF ANY CONTROLLED SHALL BY BUSINGS OF CHANGES, NOT RELATED THAT WE BUSINGS TO ADMITTANT HER PART HAVE HAVE BEEN COPYCLETED SHALL BY BUSINGS TO ADMITTANT, HES, E ART HODEFALINGS ARE HAVE TO THESE PLAYS BY ANY OTHER PARTY OTHER THAN THE DRAFTERS OTHCE, THE DRAFTERS SHALL NOT BE HELD RESPONSIBLE.

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DRAWINGS ON II"XIT" SHEET ARE ONE HALF THE SCALE NOTED

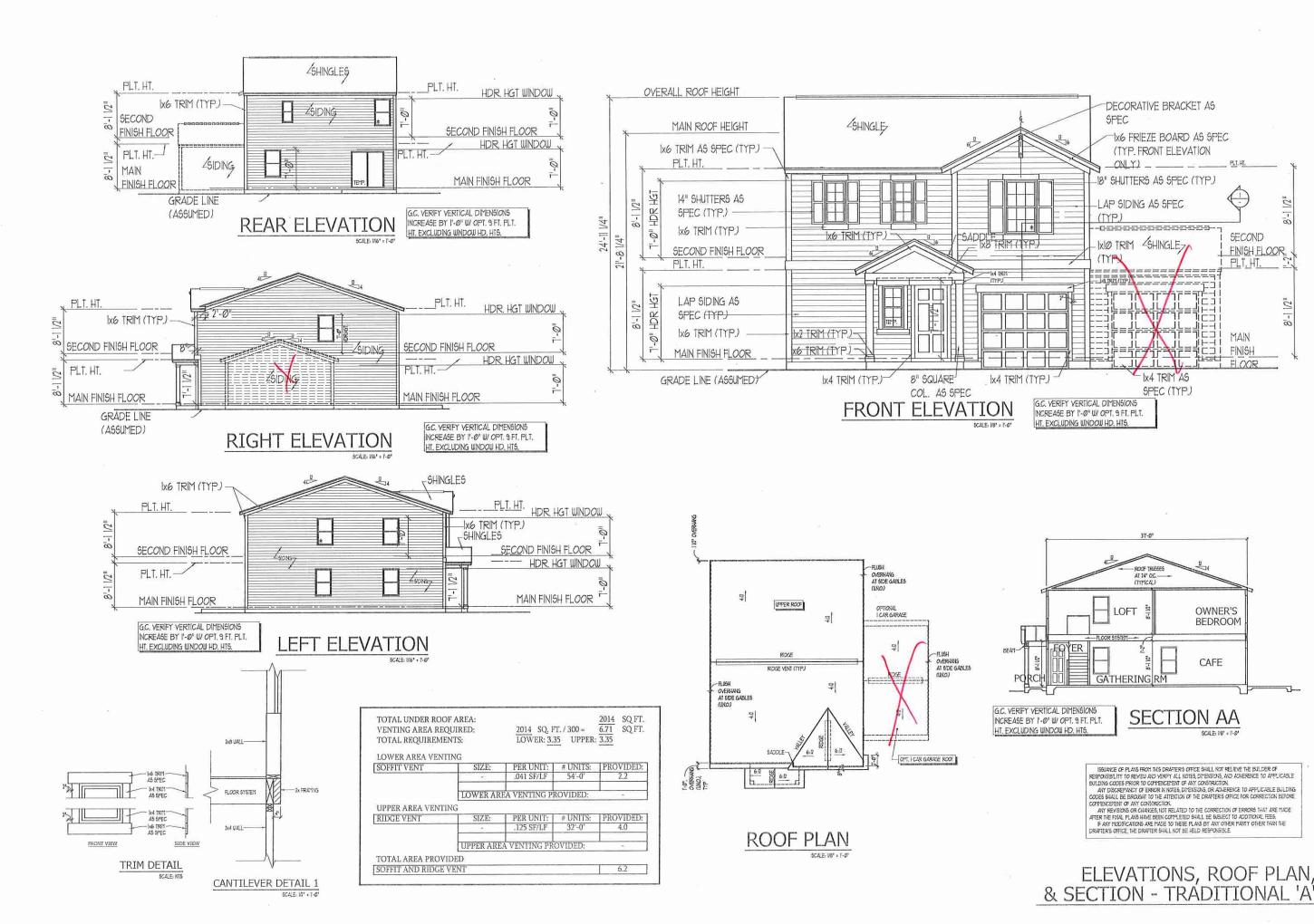
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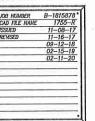
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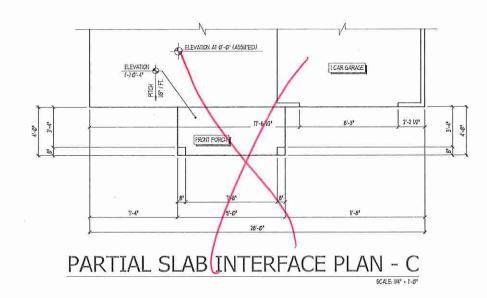


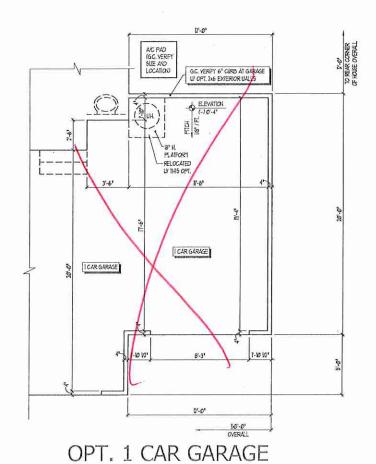
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FRONT ELEVATION
REAR ELEVATION
RIGHT ELEVATION
LETT ELEVATION
ROOF PLAN
BUILDING SECTION

A3.0

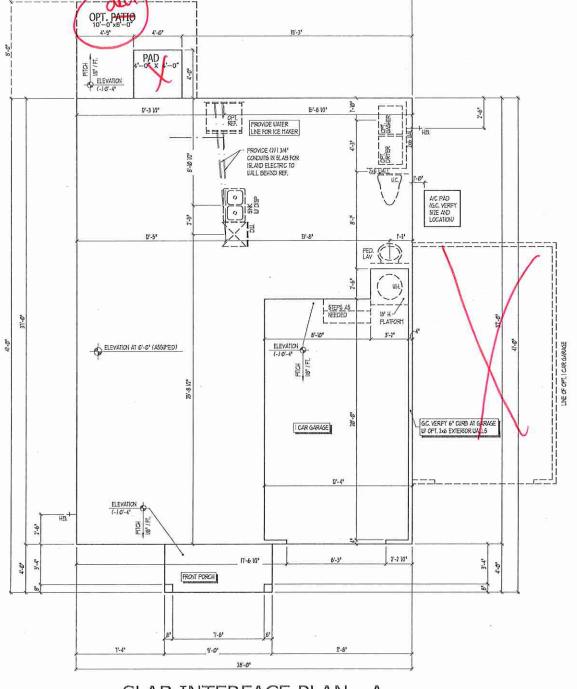




ISSUAYE OF PLAYS FROM INTO DRAFTERS OTHICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERRY ALL NOTES, D'RENKIONS, AND ADMERSICE TO APPLICABLE BUILDING CODES PRIOR TO CONTENCEDENT OF ANY CONSTRUCTION.

ANY DISCORPANCY OF ERROR IN DITES, D'PENSYONS, OR ADMERSICE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTERS OTHICE FOR CORRECTION BEFORE COTTENCEDENT OF ANY CONSTRUCTION.

ANY REVISIONS OR CHANGES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE THAT, PLAYS HAVE DEEN CONTENTED SHALL BE SUBJECT TO ADMITTANCE THESE. HAVE TO THE THAT HAVE SHALL NOT THERE PARTY OTHER PARTY OTHER THAN THE DRAFTERS OTHICE, THE DRAFTERS SHALL NOT BE HELD RESPONSIBLE.

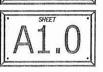




GC, VERFT INSTALLATION OF OVER-EAD GAS DROPS AT APPLICABLE APPLIANCE LOCATIONS

REFER TO STANDARD PLAN FOR INFORMATION NOT SHOUN





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TITLE
SLAB INTERFACE PLAN
OPTIONAL GARAGE PLAN

DAVIS BEWS DESIGN GROUP

ISO STATE STRUET EAST CLOSMAR, HORIDA 34577 ELS. 925. 1300 TEL. ELS. 925. 1800 FAX WWW.DAVIESEWR.COM TAMPA · DENVER DRAWINGS ON II"XIT" SHEET ARE ONE HALF THE SCALE NOTED

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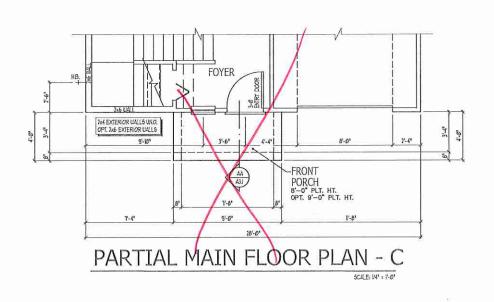
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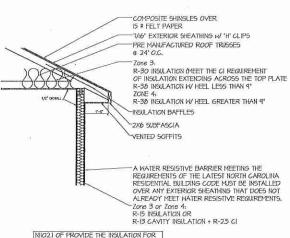
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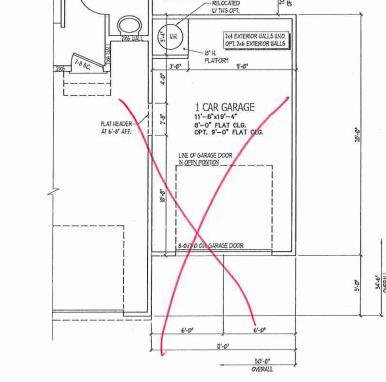
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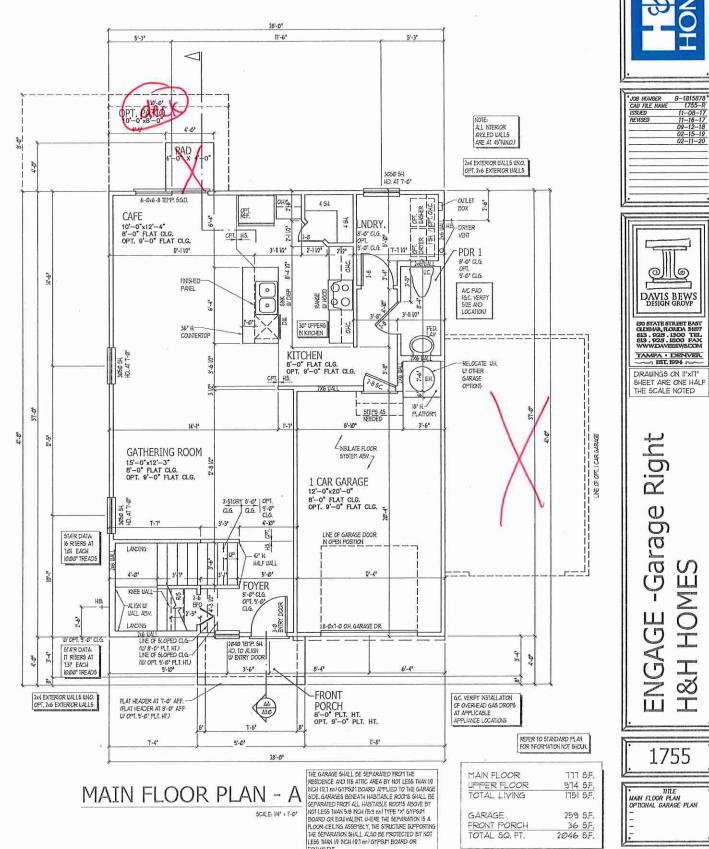
ALL HEATED AREAS R38 OR R30CI FOR CEILING, R-19 FLOORS, R15 OR R13 CAVITY PLUS R2.5 CONTINUOUS FOR WALLS

INSULATION DETAIL



A/C PAD (G.C. VERE SIZE AND LOCATION

OPT. 1 CAR GARAGE



ISSUACE OF PLAYS FROM THIS DRAFTERS OFFICE SHALL NOT RELIEVE THE BULDER OF RESPONSIBILITY TO REVIEW AND VERFY ALL NOTES, DYTENSIONS, AND JOHERNOE TO APPLICABLE BULDING CODES PRIOR TO CONTENCEMENT OF ANY CONSTRUCTION ANY DISCREPANCY OF ERROR IN NOTES, DITENSIONS, OR ACHERENCE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE

CODES SULL BE BROUGHT TO THE ATTENTION OF THE PRAFTER'S OFFICE FOR CORRECTION BEFORE COTHERCHERS OF ANY CONSTRUCTION.

ANY REVISIONS OR CHAYLES HOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE.

AFTER THE FINAL PLANS HAVE EXEN COPYLETED SHALL BE SUBJECT TO ADDITIONAL FEES.

FAIR MODERATIONS ARE THOSE TO THESE THAN SHE MAY OTHER PARTY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.

MAIN FLOOR PLAN

DAVIS BEWS DESIGN GROVP

ISO STATE STREET EAST CLDSWAR, RORIDA \$4877 613 - 925 - 1900 TEL 613 - 925 - 1800 FAX WWW.DAVEEEVE.COM

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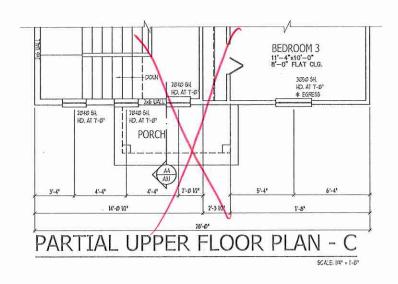
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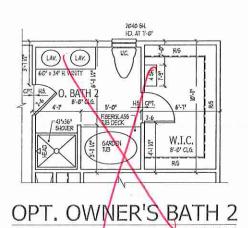
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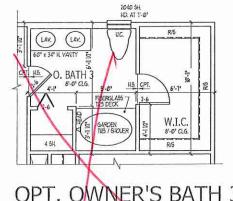
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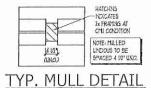
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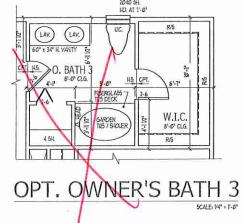


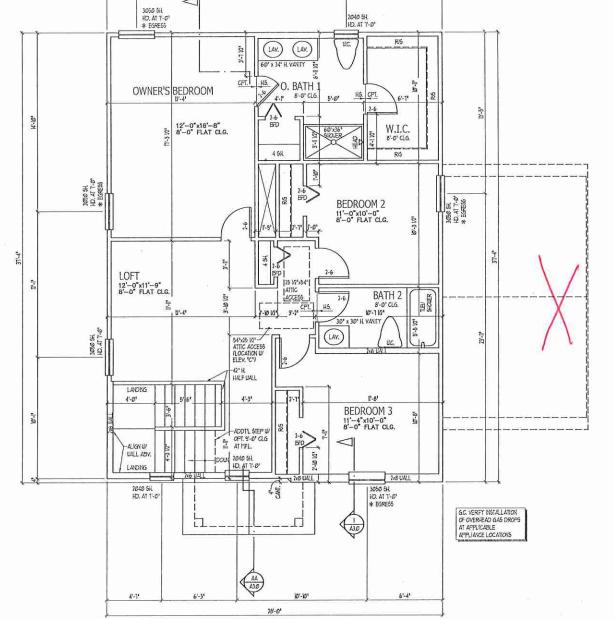












UPPER FLOOR PLAN - A

UPPER FLOOR PLAN SCREEN FOR







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ELECTRICAL KEY

HE: DIFLEX COMPUTATION OF CUTLET

HE DUPLEX OUTLET ABOVE COUNTER

HOW MEATHER PROOF DUPLEX CUTLET HOLE GROUD FALL NIERREPTER DIFLEX CUILET

HE: INFANTOED DIFFE ONLE

HO SPECIAL PURPOSE OUTLET

E DIFLEX OUTLET N FLOOR

220 YOUT CUILET

MALL SUTTCH THREE-MAY BUTTCH

FOUR-MAY SUTTON

\$D DIMER BUTCH CEILING HOLNTED INCANDESCENT LIGHT FATURE

WALL HOLNIED INCANDESCENT LIGHT FIXTURE

RECESSED INCANDESCENT LIGHT FIXTURE

THE LIGHT FIXTURE WITH FULL CHAIN

→ TRACK LIGHT HUGHERCENT LIGHT HXTURE

EXHAUST FAN

EXAMINET FAMILISHT COMBINATION ELECTRIC DOOR OPERATOR (OPTICALL)

CHIES (OPTIONAL)

FUSI-BUTTON BUTTON (OPTIONAL) CARBON HONOXIDE DETECTOR

60) 6HOKE DETECTOR

(SIGN) 6HOKE / CARBON HOND, CONBO DETECTOR

H TELEPHONE (OPTIONAL) TELEVISION (OPTIONAL)

THERM COSTAT

m FLECTRIC METER ELECTRIC PAVEL

_ pecanect suitch 8

EPEAKER (OPTIONAL) POLISH N FOR OPT, CELLING FAN

CELING HOUNTED INCANDEDCENT LIGHT FIXTURE IV

NOTES:

1. FROMDE AND INSTALL <u>GROUND FALLT CIRCUIT-MTERRIPTIESS</u> (GFL) AS INDICATED ON FLANS OR AS ITEM NO. 4 AND 15 BELOW INDICATES.

TELEFHORE . H' (INLESS ABY COUNTERTOP)

3. ALL BYCKE DETECTORS BHALL BE HARDWIRED INTO AN ELECTRICAL POWER SCHICE AND BHALL BE EQUIPPED WITH A HANTORED BATTERY BACKUP, PROVIDE AND INSTALL LOCALLY CERTIFED <u>BYCKE DETECTORS</u>.

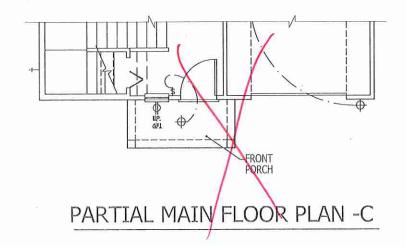
A ALL BA AND 20A RECEPTACEES IN METERIC ROCKS FARILY ROCKS DING ROUS, LING ROUS, PARLOS, LERKERS, DEN, UNROUS, RECREATION ROUS, CLOSETS, HALLMAYS, AND SHILLAR AREAS WILL REQUIRE A COMPNAINON THE AFEL DEVICE AND TATTER-PROOF RECEPTAGLES FER NEC. 201 40611 AND 40613

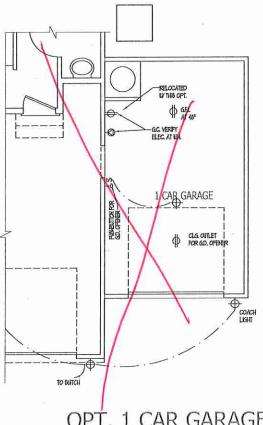
5. ALL BA AND 26A DBY RECEPTIVEES LOCATED IN THE GARAGE AND UTILITY ROCK'S SHALL BE GECL PROTECTED (GFL)

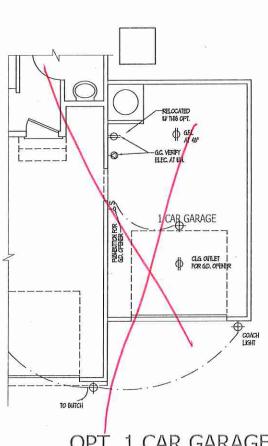
6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICAN TO ENGINE THAT ALL ELECTRICAL BLOCK IS NIFLL CONFLINCE WITH HIPPA TIS, NEC. 201, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

1. EMERY BULDING HAVING A ROSAL-FUEL-BURNING HEATER OR AFFLIAVCE, HREFLACE, OR AN ATTACIED GARACE BUALL HAVE AN OFERATIONAL CARBON KONDODE DETECTOR INSTALLED BITINN BY HET OF EACH ROCKT USED FOR BLEEFING

B. ALARYS SWILL RECEIVE THER FREYARY POUER FROM THE BUILDING URBIS LIFES BUCH URBIS IS SERVED FROM THE LOCAL POUER UTLLITY, BUCH ALARYS SWILL HAVE BATTERY BACKEY, COMBINION BY CASE-CARBON HONOXODE ALARYS SWILL FRE LINTED OR LIFEELD BY A NATIONALLY RECOGNIZED TESTING LICEOPATIONY.







OPT. 1 CAR GARAGE

GFI AT 48"

4

MAIN FLOOR PLAN -A

1 CAR GARAGE

GFL CLA CUILET FOR GD. OF BLER

OPT. PONTO

CAFE

PENDANT (MERFY LOCATION)

T-5 121

GATHERING ROOM

GC, YERFY; LOCATION OF GFI DISPOSAL SUTCH IS UNDER SNK CABINET





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MAIN FLOOR ELEC, PLAN OPTIONAL GARAGE ELECT.

MAIN FLOOR ELECTRICAL PLAN

DISCON

HISTORY OF FLAND FROM THIS DRAFFERS OFFICE SWALL NOT FELLING THE BULDER OF RESPONSELTIT TO REVEN AND VERBY ALL NOTES, DYENSKUNS, AND ADVERTIKE TO APPLICABLE BULDING COCKS PROOR TO CONTEXESTENT OF ANY CONSTRUCTION.

BULDING COCES PERCE TO COTTENENT OF ANY CONSTRUCTOR.

ANY DECEMBER OF SERVER IN INDIRE, DIFFERENCE, OF RECEIVE TO APPLICABLE BULDING COCES (WILL BE BROUGHT TO THE ATTENTION OF THE DRAFFLENCE FOR CORRECTION BEFORE COTTENED BY ANY CONSTRUCTION.

ANY REVIOUS OR CHAVES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ANY MODERNITHMS ARE WHOSE TO THESE THAN BY ANY CONFIDENCIATION ARE WHOSE TO THESE THAN BY ANY OTHER PARTY OTHER THAN THE DRAFFLENCE CHICK, THE DRAFFLENCE SHALL NOT BE HELD RESPONSELS.

ELECTRICAL KEY

HE: DAFLEX COMBNEKE WILLET

HE DIFLEX OUTLET ABOVE CONTER

HO I LEATHERPROOF DIFFLEX CUTLET HEIR GROUND FALLT MIERRIPHER DUPLEX OUTLET

HILF-BUTTOED DUFFEX CUTTLET

HO OFECUL PURPONE CUILET

A DREX OTHER NELOOR

220 VOLT CUILET

EALL SUITCH

THREE-BAY BUTCH FOR-MAY SUITCH

\$D DIMER GUICH

CELING HOWIED INCANDESCENT LIGHT HATURE

WILL HOWIED INCANDESCENT LIGHT FIXTURE RECESSED INCANDESCENT LIGHT FIXTURE

- HEC LIGHT HXTURE WITH FULL CHAN

TRACK LIGHT HUKREKCENT LIGHT FIXTURE

EXHAUST FAN

EXPLICIT FAVALIGHT COMBINATION ELECTRIC DOOR OFFRATOR (OFTICALL)

CHIES (OPTIONAL) PUBLICATION BUTCH (OPTIONAL)

CARBON HONOXIDE DETECTOR (S) 644CKE DETECTOR

(SIGN) 614CKE / CARBON HOND, CONBO DETECTOR

H TELEPHANE (OPTIONAL)

TELEVISION (OPTIONAL) THEREMOSTAT

ELECTRIC HETER

ELECTRIC PANEL _ pecanect surch

GFEAKER (OPTIONAL)

H ROUGH N FOR OFT, CELLING FAN

CELING HOUNTED INCANDESCENT LIGHT FIXTURE IV ROUGHT NOR OPT, CELING FAN

NOTES:

I. FROMDE AND INSTALL <u>GROUND FALLT CROUT-INTERREPTERS</u> (GFL) AS INDICATED ON FLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.

2. UNLESS OTHERWISE NOKATED, NOTALL SUTCHES AND RECEPTACLES AT THE ROLLOWIS LEGITIS ABOVE PUSISED FLOOR SUTCHES.....W

TELETHOLE . M' (INLESS ABY COUNTERTOP)
TELEVISION . M'

3. ALL BYCKE DETECTORS SHALL BE HARDWIRED NTO AN ELECTRICAL POLER SCIRCE AND SHALL BE ECUPPED WITH A HONTORED BATTERY BACKUP. PROVIDE AND INSTALL LOCALLY CERTIFED BYCKE DETECTORS.

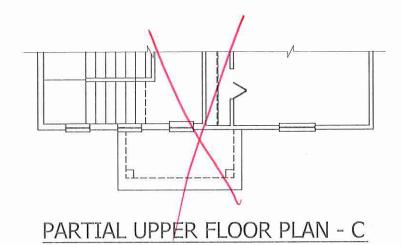
A ALL BA AND 26A RECEPTACEES N SCHEPING ROOMS FAMILY ROOMS DANG ROTE, LINKE ROCHS, PARLORS, LIERVARES, DENS, RINKETT, ROTE, DATE
CLOSETS, HALLIMAYS, AND SHILAR AREAS ILL. REQUIRE A COMENATION THE AFCL
DEVICE AND TAMER-PROOF RECEPTACES FERNES, 201 466.0 AND 466.13

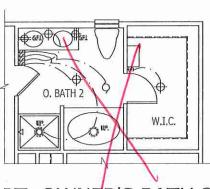
5, ALL BA AND 28A 889 RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROCITY SHALL BE GECL PROTECTED (GFL)

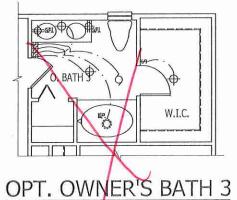
6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICAN TO ENGINE THAT ALL ELECTRICAL LOOK IS IN RILL COMPLIANCE WITH MEPA 16, NEC. 2011, IND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDNANCES.

1. EMERY EULDING HAVING A ROSAL-REL-EURING HEATER OR APPLIANCE, HIGPLACE, OR AN ATTACHED GARACE BHALL HAVE AN OPERATIONAL CAREON KONDONCE DETECTOR INSTALLED WITHIN WHET OF EACH ROCH WED FOR BLEEPING

8. ALARI'S CHALL RECEME THER FROMRY POUER RICH THE BULDN'S URBIS LIHEN BUCH URBIS 'S ERRAD RICH THE LOCAL POUER WILLTY, BUCH ALARI'S CHALL HAVE BUTTERY BACKIP, CATENATION O'ACKECAREON POUADOE ALARI'S CHALL FRE LISTED OR LIFELED BY A NATIONALLY RECOGNIZED TESTING LIBORATIONY.

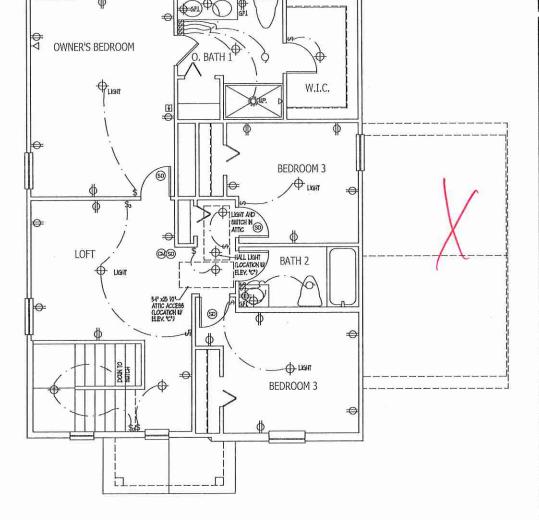








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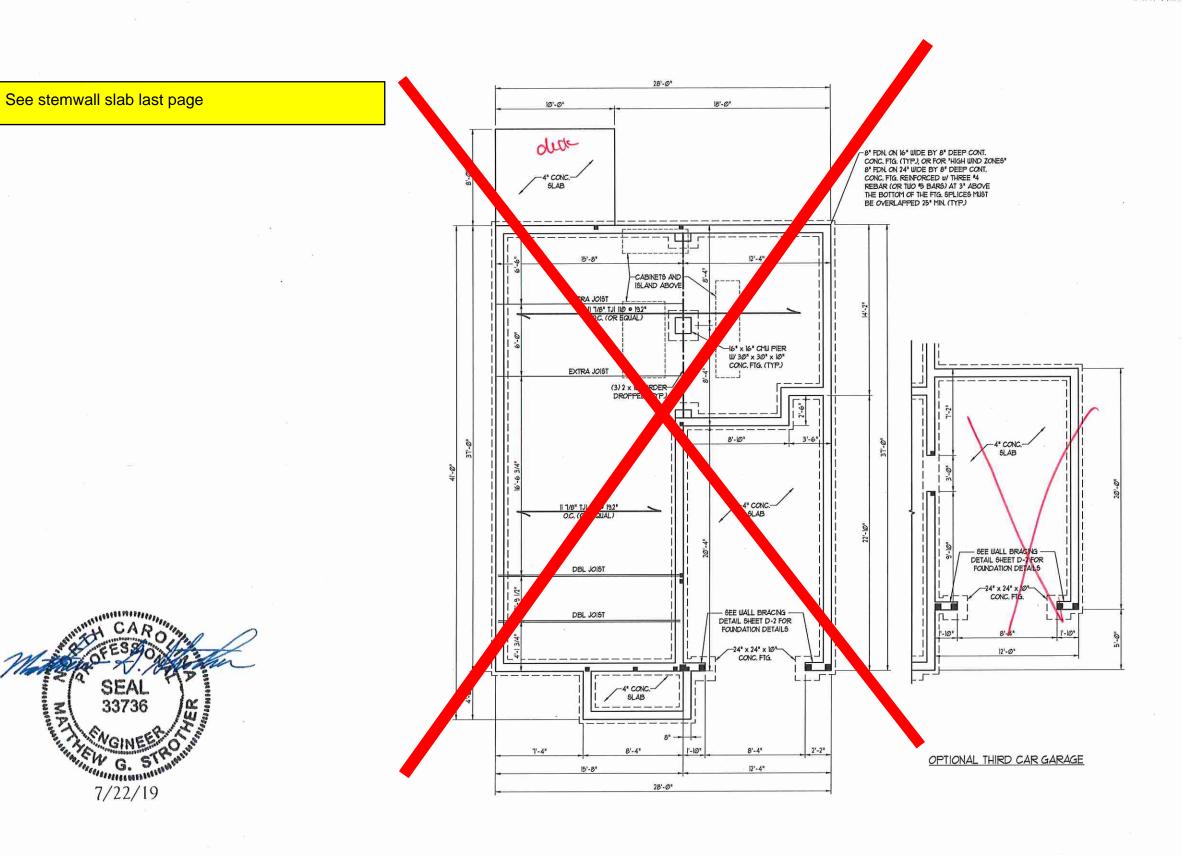
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TITLE
UPPER FLOOR ELEC. PLAN
OWNERS BATH OPTIONS

UPPER FLOOR ELECTRICAL PLAN





SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.

II" x 17" PRINTS ARE ONE HALF THE NOTED SCALE

YAYAYAYAYAYAYAY

15/0 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN 3/0' MEAN ROOF HEIGHT:

ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS, ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT NCLUDING ROOF SYSTEM. STRUCTURAL DESIGN PER NORTH

CAROLINA RESIDENTIAL CODE, 2018
EDITION WITH SPECIAL CONSIDERATION TO EDITION BITH SPECIAL CONSIDERATION TO CHAPTER 45 ("HIGH BIND ZONES" FOR 50 HEH BINDS.)

DULDER 19 TO PROVIDE FRANKS
CONNECTIONS AS REQUIRED BY CHAPTER 45 (HIGH BIND ZONES" FOR 50 HEH

BINDALE OF BUSINESS (FOR 50 HEH

BINDALE OF BUSINESS (FOR 50 HE)

RESIDENTIAL CODE, 2018 EDITION FOUNDATION ANCHORAGE TO COMPLY WITH

SECTION 45/04 OF THE NORTH CAROLINA

EECTION 4584 OF THE NORTH CAROLINA RESIDENTIAL CODE, 1986 BOTHION FEAR ROOF HEIGHT IS LESS THAN 36 FEET. WALL CLADDING DESIGNED FOR 4/3 FOR AND -31 POF (4/4 ND)CATE POSITIVE / ROOF CLADDING DESIGNED FOR 4/12 POF AND -18 FOF FOR ROOF PTICES 1/10 TO 1/10 AND 4/16 FOR AND -19 FOR ROOF PTICED 2/39/10 TO 1/0.

1/6" OSB SHEATHING IS REQUIRED ON ALL

TIGE OGS SHEATHING IS REQUIRED ON ALL BATERORY MULES, WALLS TO BE BRACED IN ACCORDANCE WITH SECTION REGISSO OF THE NORTH CAPOLINA REGISSORITAL CODE, 1668 EDITION AND AS NOTED ON FLANS. DERBYS THEIGHOLY COTFLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH GRAPTER II OF THE NORC, 2608 EDITION.

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

ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS, ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT NCLUDING ROOF SYSTEM

NCLIDING NEXT FER NORTH CAROLINA REGIDENTIAL CODE, 1010 EDITION INSTALL 1/2" ANCHOR BOLTS 6"-0" O.C. AND

MITHIN 1-0" PROOF BOY TO FEACH CORRER ANCHOR BOLTS MUST EXTEND A MINMAN OF 1" NITO MASONRY OR CONCRETE LOCATE BOLT, BITHIN MODULE THROO OF PLATE WIDTH. YEAN ROOF HEIGHT IS LESS THAN 30 FEET.

UNDS. 6. BALL CLADDING DESIGNED FOR +5.5 PSF

BALL CLADPINS DESIGNED FOR 185 FSF AND -10 PSF (I/* NDICALE POSITIVE / NEGATIVE PRESSURE (TYP). NEXT CLADPINS DESIGNED FOR 442 PSF AND -16 PSF FOR ROCF PITCHES 1/01 TO 10/02 AND 40 PSF AND -16 PSF FOR ROCF PITCHED 275/01 TO 10/0.

PRICED 225/01 TO 1/01.

NSTALL TWO FORD SHEATHING ON ALL

EXTERIOR WALLS OF ALL STORIES IN

ACCORDANCE WITH SECTION 18-67/10/3 OF

THE NICER, 19/08 EDTION, SHEET THE WALL

BRACING NOTES AND DETAILS SHEET FOR

NOW INCOMPLIANCE AND NOW ATION OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NCRC 2010 EDITION REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL NEORMATION

STRUCTURAL NOTES:

ALL FRAMING LUMBER TO BE 12 6FF (UNO). ALL TREATED LUMBER TO BE '2 SYP (UNO.) INSTALL AN EXTRA OR DOUBLE

JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS WHERE NOTED ON THE PLANS.

SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SHADED PIERS TO BE FILLED

NSTALL LADDER WIRE # 16" O.C.

TO SECURE MULTIPLE WYTHE FOUNDATION WALLS TOGETHER REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION

DATE: B/IX 18: 2019

SCALE: 1/4" - 1'0" AWN BY: DAVIS BEWS DESIG

GINEERED BY: WFB

SHEET: 1 OF: 8 S-1a

CRAWL FOUNDATION PLAN

Z Z S 0 OMPS. ENGINE COGNOTORIAL SUPPLIES

> GARAGE RIGHT H HOMES GE.(H &

(4)2

(2) 2 x (TYP)

ELEVATION C

2 x 6 @ 16" OC

BALLOON FRAMED WALL

4 x 4 TRID.

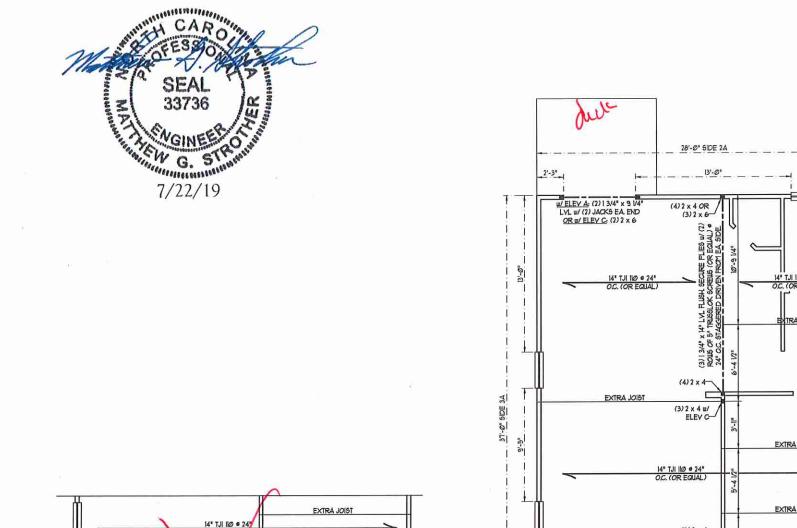
(3) 2 x 12 CONT. FROM CORNER TO CORNER W/

(2) 2 x 6 EA BRG. PT.

GARAGE PORTAL FRAME-SEE METHOD FF ON WALL BRACING DETAIL SHEET D-2

INSTALL SIMPSON LTØ EA. SIDE OF PORCH BEAM TO CONNECT TO GARAGE

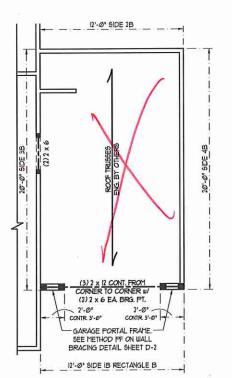
HOR IT REQ'D BY GRADE



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

> TABLE R602.15 MINIMUM NUMBER OF FULL HEIGHT STUDS

HEADER SPAN (FEET)	MAXIMM STUD SPACING (INCHES) (PER TABLE R6023/5)	
	16	24
UP TO 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4



OPTIONAL THIRD CAR GARAGE

SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. II" x IT" PRINTS ARE ONE HALF THE NOTED SCALE

XAXXAXXXXXXXXXXX

O Z S

COMPS ERING, UTTE 104 RALEIGH, N 88,9919 FAX; (919) 785

S. TH NGINE 606 WADE AVE., SUT PHONE, (919) 789

B

BRACED WALL DESIGN NOTES:

BRACED WALL DESIGN PER SECTION R60210 OF THE

NCRC 1018 EDITION.
C5-W5P REFERS TO "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/16" OSB ON ALL EXTERIOR WALLS ATTACHED W/ 8d NAILS SPACED 6*

1/2" (MIN) GYPSUT WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH I 1/4" SCREWS OR I 5/8" NAILS SPACED T" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND

FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NCRC 2018 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED

O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD. "GB REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL

BOTTOM PLATES.
BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH.

BRACED WALL DESIGN

RECTANGLE A RECTANGLE B

SIDE IA METHOD: CS-WSP/PF TOTAL REQUIRED LENGTH: 14.1' TOTAL PROVIDED LENGTH: 165' SIDE 2A TOTAL REQUIRED LENGTH: 14.7'

METHOD: CS-WSP TOTAL PROVIDED LENGTH: 191 SIDE 3A METHOD: CS-USP TOTAL REQUIRED LENGTH: 113"

TOTAL PROVIDED LENGTH: 31' METHOD: CS-USP

SIDE IB METHOD: CS-WSP/PF TOTAL REQUIRED LENGTH: 3.81 TOTAL PROVIDED LENGTH: 60' SIDE 2B METHOD: CS-USP

TOTAL REQUIRED LENGTH: 38' TOTAL PROVIDED LENGTH: 12.01 SIDE 3B 4 4A COMBINED METHOD: CS-USP TOTAL REQUIRED LENGTH: 8.36" TOTAL PROVIDED LENGTH: 305

SIDE 4B METHOD: C5-WSP TOTAL REQUIRED LENGTH: 113' TOTAL REQUIRED LENGTH: 266' TOTAL PROVIDED LENGTH: 3133' TOTAL PROVIDED LENGTH: 16.33'

STRUCTURAL NOTES:

ALL FRAMING LUMBER TO BE SFF 12 (UNO). ALL TREATED LUMBER TO BE SYP 12 (UNO.)

ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO). INSTALL AN EXTRA JOIST UNDER WALLS PARALLEL TO

FLOOR JOISTS WHERE NOTED ON THE PLANS. WINDOW AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KING STUD EA, END (UNO.), SEE TABLE R602.15 FOR ADDITIONAL KING STUD

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 BLOCKED AND SECURED WITH 8d 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 PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROWS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND 12" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAF GIRDERS AND DOUBLE SILL PLATES THEIR FULL DEPTH ALL 4 x 4 POSTS SHALL BE ANCHORED TO SLABS w/

SMIPSON ABU44 POST BASES (OR EQUAL) AND 6 x 6 POSTS W/ ABU66 POST BASES (OR EQUAL) (UNO). ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS AT TOP (UNO.)

FOR FIBERGLASS, ALUMINUM, OR COLUMN ENG. BY OTHERS, SECURE TO SLAB W/ (2) METAL ANGLES USING 2" CONC. SCREWS, FASTEN ANGLES TO COLUMNS W/ V4" 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 GARAGE RIGHT H HOMES ENGAGE.C

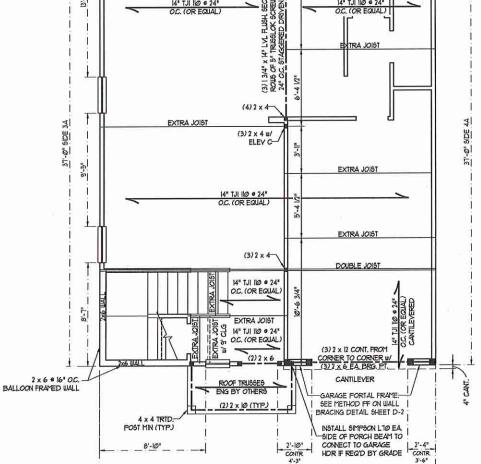
DATE: JULY 18, 2019

DRAWN BY, DAVIS BEWS DESIGN

ENGINEERED BY: WEB

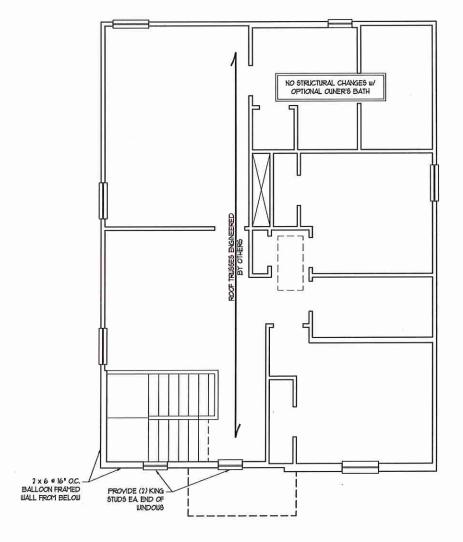
OF. 8

S-2 SECOND FLOOR FRAMING PLAN



ELEVATION A

28'-0" SIDE IA RECTANGLE A



ELEVATION A



SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.

II" x IT" PRINTS ARE ONE HALF THE NOTED SCALE



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

BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN FER SECTION R602J0 OF THE NCRC 2018 EDITION.
 CS-USP REFERS TO "CONTINUOUS SHEATHING WOOD."
- C\$-USP REFER® TO "CONTINUOUS \$HEATHING WOOD \$TRUCTURAL_PAYELS" CONTRACTOR (\$ TO INSTALL THE" OSB ON ALL EXTERIOR WALLS ATTACHED U/ 8d NAILS \$PACED 6" OC. ALONG PANEL EDGES AND 12" OC. IN THE FIELD.
- 3. GB REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL
 IZ" (MIN) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS.
 FASTEN GB WITH I I/4" SCREWS OR I 5/8" NAILS SPACED 1" OC.
 ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND
 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 WALL INFORMATION.

NOTE:

- FER SECTION R6021032 OF THE 2018 NORC, THE AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL AWAY 1518 IS REQUIRED.
- ANAL 1619 IS REQUIRED.

 2. SHEATH ALL EXTERIOR WALLS WITH 1/16* OSB SHEATHING ATTACHED WITH 8d NAILS AT 6* O.C. ALONG PAYEL EDGES AND 12* O.C. IN THE FIELD.

STRUCTURAL NOTES:

- L ALL FRAMING LUMBER TO BE SFF 12 (UNO.).
 ALL TREATED LUMBER TO BE SYP 12 (UNO.)
 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x
- 3. UNDOW AND DOOR HEADERS TO BE SUPPORTED W/ (I) JACK STUD AND (I) KING STUD EA END (INO.). SEE TABLE R607.15 FOR ADDITIONAL KING STUD REQUIREMENTS.

 4. SQUARES DENOTE POINT LOADS WHICH

 4. SQUARES DENOTE POINT LOADS WHICH
- \$QUARES DENOTE PONT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.)
 FOR HIGH WIND ZONES, ALL EXTERIOR WALLS
- 5. FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH TIME OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NALLS AT 3" OC. ALONG EDGES AND 6" OC. IN THE FIELD.
- 6. FOR HIGH UNID 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 12" BEYOND CONSTRUCTION JOINTS
 AND SHALL OVERLAP GIRDERS AND
 DOUBLE SILL PLATES THEIR RULL DEPTH.
 1. RETER TO NOTES AND DETAIL SHEETS FOR
 ADDITIONAL STRUCTURAL INFORTATION.
- TABLE R602.15 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES. (PER TABLE R6023/5)		
	16	24	
	UP TO 3'	1	1
	4'	2	1
	8'	3	2
	12'	5	3
	16'	6	4

ENGINEERING, INC.
COGNACHERING, INC.
COGNACHE GISTS SAGRED INC. INC.
COGNACHE GISTS SAGRED INC. ICLE GISTS SAGRED

ENGAGE - GARAGE RIGHT H & H HOMES

DATE: JULY 18, 2019
SCALE: IVY - IVY

DRAWN BY, DAVIS BEWS DESIGN ENGINFERED BY, WFB

SHEET: 5 OF 8

S-3a ceiling framing plan elev. a

OPTIONAL I CAR GARAGE 4:12

<u>SCALE NOTE:</u>
LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.

II" x IT" PRINTS ARE ONE HALF THE NOTED SCALE /



ENGINEERING, INC

STRUCTURAL NOTES:

- ALL FRAMING LIMBER TO BE 12 9FF (UNO). CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF SUPPORT. FRAME DORN'ER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS.
- HIP SPLICES ARE TO BE SPACED
 A MN OF 8"-0". FASTEN
 MEMBERS WITH THREE ROUS OF
 12d NAILS # 16" O.C. (TYP.)
- IZd NAILS 16* O.C. (TYP)

 5. STICK FRAM'E OVER-FRAM'ED

 ROOF SECTIONS W 2 × 3 RIDGES,

 2 × 6 RAFTERS 16* O.C. AND

 H.AT 2 × 10 VALLEYS OR USE

 VALLEY TRUSSES.

 5. FASTEN FLAT VALLEYS TO

 RAFTERS OR TRUSSES WITH

 SIMPSON H25A HURRICANE TIES •

 31* O.C. MAX. PASS HURRICANE

 TIES THROUGH NOTCH IN ROOF

 SHEATHING. EACH RAFTER IS TO

 BE FASTENED TO THE FLAT BE FASTENED TO THE FLAT VALLEY WITH A MIN. OF (6) 12d TOE NAILS. REFER TO SECTION RS02.II OF THE
- 2018 NCRC FOR REQUIRED UPLIFT RESISTANCE AT RAFTERS AND TRUSSES. REFER TO NOTES AND DETAIL
- SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION

"Mannenmanner

7/22/19

ENGAGE - GARAGE RIGHT H & H HOMES

DATE: JULY 18, 2019

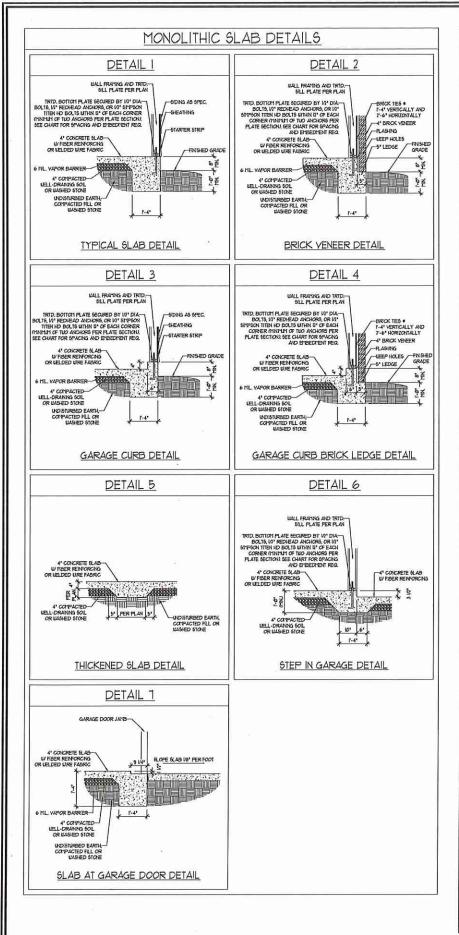
SCALE 1/4" = 1'0" DRAWN BY: DAVIS BEWS DESIGN

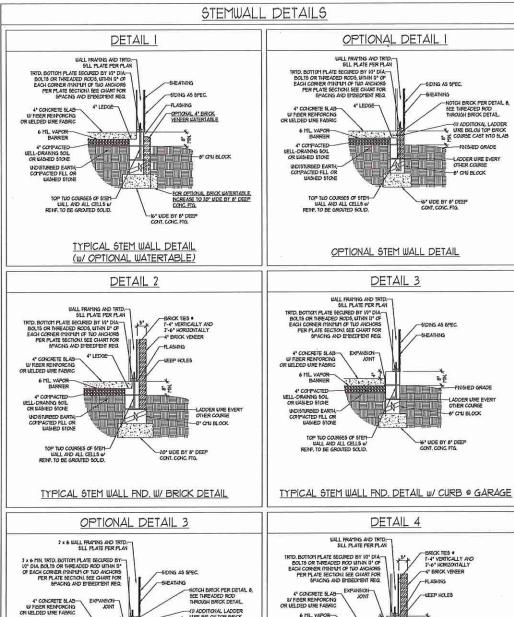
ENGINEERED BY: WEB

5HEET: 7 об. 8 S-4a ROOF FRAMING

PLAN

ELEVATION A





URE BELOW TOP BRICK

-LADDER WRE EVERY OTHER COURSE e' C'U BLOCK

OPTIONAL STEM WALL FND. DETAIL W/ CURB @ GARAGE

4" COMPACTED-UELL-DRANING SOIL OR WASHED STONE

NOTCH BRICK & THREADED

OUTSIDE EDGE OF BRICK AND STICK FRAMED WALL ABOVE-

THREADED ROD THROUGH BRICK MASONRY

6 ML VAPOR BARRIER

4" COMPACTED LELL-DRANNS SOLL OR LASIED STORE

<u>AILS</u>	
OPTIONAL DETAIL I	
UNLIFRATION AND TRID— SIL PLATE FRE PLAN D, BOTTION FAUTE SCREED BY D'ADIA OLTS OR THRESOED BY DOL MINN BY OF ALCI CORREST ROAD MINN BY OF ALCI CORREST ROAD SPECIAL SECTION, SEE CILIST FOR SPECIAL SECTION, SEE CILIST FOR SPECIAL SECTION SEE CILIST SPECIAL SECTION SEC	
6 HL VAPOR BARRER 6 YEL YAPOR BARRER 6 YEL YAPOR BARRER 6 YEL YAPOR 1 YEL BELOU TOP BROCK 1 YEL BLOU TOP BROCK 1 Y	WALL HEK (FEET)
USAGED STONE LOOSER USE EVERTY OTHER COUNCE FOLICIES FILL OR USAGED STONE BY ONLY THE STONE LOOSE USAGE EVERTY OTHER COUNCE STONE OTHER COUNCE STONE STONE LOOSE LOO	2 AND BEI
LOS JED GOVERNO 2010 TOS JED GOVERNO 2010	3
	5
OPTIONAL STEM WALL DETAIL	1 AND GRE
DETAIL 3	
EAL FRANKS AND TRID. SOUTH THE FER FLAN 15 OR THE SULEPE BY MY DIA 16 OR THE SULEPE BY MY DIA 17 OR THE SULEPE BY MY DIA 18 OR THE SULEPE	L WALL HE 2. THE MELT 3. CHART / FOUNDAI 4. BACKFIL 5. BACKFIL 6. FREP 9. MINIMA 1. LOCATE 8. WHERE F LET GREATE
TOP TWO COURSES OF SIGHT WALL AND ALL CRILLS RENF. TO BE GROUTED SOLID. CONT., CONC. FTG.	WIND ZO
ICAL STEM WALL FND. DETAIL W/ CURB @ GARAGE	EMBEDM
DETAIL 4	
LULL PRAINS AD TRID- BOTTOM FLATE SCORED BY 10" DIA- ALTS OR INFERENCE DOUBLINE IN THE PRAINS BUTTOM FLATE SCORED BY 10" DIA- ALTS OR INFERENCE DOUBLINE IN THE PRAINS ALTS OR INFERENCE DOUBLINE IN THE PRAINS ALTS OR INFERENCE DOUBLINE IN THE PRAINS FLATE FLATE FLATE SCORED BY 10" DIA- CONCRETE SLAS BET REPORTED FLATE CONCRETE SLAS BET REPORTED BANKER PARSON BET ALESTO BET ALESTO BET ALL SCORED BY 10" DIA- ALL SCORED BASTON BET ALL SCORED BASTON BET ALL SCORED BASTON BET ALL SCORED BASTON BET ALL SCORED BY 10" DEEP CONT. CONC. FIG. FOR TUDO CORRES OF STEN- LOD	-
TYPICAL STEM WALL FND. DETAIL W/ BRICK AND CURB @ GARAGE	
DETAIL 8	
INSIDE EDGE OF INT ANCHOR ROD SPACED FER TABLE LADDER WIRE FER DETAIL BRICK MASONRY DELO DO DO DO DELO DE SENDE AND REPORT MUIL DEPOYER.	

	MASONRY S	TEMWALL SPE	CIFICATIONS	
WALL HEIGHT (FEET)	MASONRY WALL TYPE			
	8° C17J	4" BRICK AND 4" CMJ	4" BRICK AND 8" CMJ	13° CMU
2 AND BELOW	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
3	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
4	GROUT SOLID	GROUT SOLID w/ 4 REBAR • 48° O.C.	GROUT SOLID	GROUT SOLID w/ 44 REBAR # 64" O.C.
5	GROUT SOLID w/ *4 REBAR # 36* O.C.	NOT APPLICABLE	GROUT SOLID w/ *4 REBAR # 36" O.C.	GROUT SOLID W *4 REBAR * 64" O.C.
6	GROUT SOLID u/ *4 REBAR # 24* O.C.	NOT APPLICABLE	GROUT SOLID u/ *4 REBAR # 24" O.C.	GROUT SOLID #/ M REBAR # 64" O.C.
1 AND GREATER	EX	INEERED DESKIN BA	SED ON SITE CONDITI	ONS

STRUCTURAL NOTES:

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

LIFTLE WITHES TOGETHER WITH LADDER WIFE AT 16" O.C. YERTICALLY.

LATFLICABLE FOR MOUSE FONDATION ONLY, CONSULT ENGINEER FOR DESIGN OF GARAGE
ATION NOT COYMON TO HOUSE.

DATION NOT COPYION TO HOUSE.

FILL OF LEAST 451 1/45 IMASHED STONE IS ALLOWABLE.

FILL OF LEAST 451 1/45 IMASHED STONE IS ALLOWABLE.

FILL OF WELL DRAINED OR SAND - GRAVEL MIXTURE SOILS (45 PSFAT BELOW GRADE)

SHED AS GROW! I ACCORDING TO WHIFED SOILS CLASSFICATION SYSTEM IN ACCORDANCE

IASHE REGGIO, OF THE 7000 IMERICATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

5/LAB FER PSG602/ AND PSG612 BASE OF THE 7000 INTERNATIONAL RESIDENTIAL CODE.

WHI 7/4 LAP SPICKE LEWSTH.

WE REDAR IN CENTER OF FOUNDATION WALL.

E REGUIRED, ITLL BLOCK SOILD WITH TITPE 154 MORTAR OR 30000 PSI GROUT, USE OF "LOW GROUTING" METHOD REQUIRED WHEN FILLING WALLS WITH GROUT AT HEIGHTS OF 54 AND

WERE

AN	ICHOR SPACING AND	D EMBEDMENT
WIND ZONE	120 MPH	130 MPH
SPACING	6'-0" O.C.	4'-0' OC.
EMBEDMENT 1"		5° INTO MASONRY 1" INTO CONCRETE

Wallest Marinish EW G. 51 ALCONOMINATIONS OF THE PARTY OF 7/22/19

ZOZ O 2 OM Soo Wab

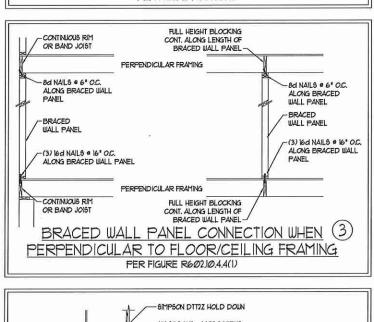
WIND SPEED MPH ULTIMATE DESIGN FOUNDATION DETAILS 130 120

DATE: NOVEMBER 14, 2018 R'ALE NTS DRAWN BY: IST

NGINEERED BY: JES

D-1 FOUNDATION DETAILS

GENERAL WALL BRACING NOTES: 48" OR LESS BRACED WALL PANEL WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NCRC). TABLES AND FIGURES REFERENCED ARE FROM THE 2018 NCRC. 2. GEE THIS SHEET FOR GENERAL DETAILS, REFER TO THE 2018 NCRC FOR ADDITIONAL INFORMATION AS NEEDED. 1/2" ANCHOR BOLTS PER BRACED WALL BRACED EXTERIOR IIIALLS SUPPORTING ROOF TRUSSES AND RAFTERS INCLUDING STORIES BELOW THE TOP FLOOR HAVE REQUIREMENTS BEEN DESIGNED PER R60235 (3). WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLIFT AND SHEAR FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERED PRACTICE. 4. SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS, DIPENSIONS, HOLD DOWN TYPE AND LOCATIONS, BRACED WALL LINE KEY WITH WALL DESIGN SUMMARY OF REQUIRED/PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES (I) 4 REBAR 44 REBAR FIFI D BENT OR REQUIREMENTS 6" INTO BOND BEAN 5. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH C9-WSP IN ACCORDANCE WITH SECTION R602103 UNLESS NOTED OTHERWISE. 6. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 1/2" GYPSUM INSTALLED, WHEN NOT USING METHOD "GB", GYPSUM TO BE FASTENED PER TABLE R10235. METHOD GB TO BE FASTENED PER TABLE R602.0J C9-USP REFERS TO THE "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 1/16" OSB 3" COVER-20" LAP SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED W/ 6d COMMON NAILS OR 8d (2 1/2" LONG x ØJIS" DIAMETER) NAILS SPACED 6" OC. ALONG PANEL EDGES AND 12" OC. IN THE FIELD (UNO.) SHORT STEM WALL REINFORCEMENT 8. CB REFERS TO THE "GYPSUM BOARD" WALL BRACING METHOD. 10" (MIN) GYPSUM WALL BOARD IS TO BE INSTALLED ON BOTH SIDES OF THE BRACED WALL FASTENED WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED TO.C. ALONG PAYEL EDGES 48" OR LESS INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (UN.O.), VERIFY ALL FASTENER OPTIONS FOR I/2" AND BRACED WALL PANEL M PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENER OPTIONS SEE TABLE R10235, FOR EXTERIOR FASTENER OPTIONS SEE TABLE R6023(I). EXTERIOR GB TO BE INSTALLED VERTICALLY. REQUIRED BRACED WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R602, 103, METHOD CS-WSP CONTRIBUTES 115 ACTUAL LENGTH, METHOD GB CONTRIBUTES 5 115 ACTUAL LENGTH, AND BOND BEAM W/ (I) 4 REBAR METHOD PF CONTRIBUTES IS TIMES ITS ACTUAL LENGTH. 5/8" THREADED RODS MAY ANCHOR BOLTS AND REBAR -NUT AND 2" MIN. WASHER 3" COVER-RODS MAY BE INSTALLED USING AN ADHESIVE ANCHORING SYSTEM WITH A MINIMUM TENSILE ACCORDANCE WITH MANUFACTURER'S SPECS. OPTIONAL STEM WALL REINFORCEMEN NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN -UEADED DED DI AN CONTINUOUS TO COONED INI ESS NOTED OTHERWISE ON PLANS. IF HEADER IS NOT CONTINUOUS TO CORNER REBAR, THREADED RODS AND ANCHOR BOLTS BLOCK BETWEEN STUDS FROM END OF HEADER TO CORNER OF WALL MASONRY STEM WALLS SUPPORTING II/ 2 x 12 BLOCKING AND CONTINUE NAILING PATTERN AS SHOUN. BRACED WALL PANELS (2) FASTEN TOP PLATE TO HEADER WITH (2) PER FIGURE R602.10.43 -(2) SIMPSON CSI6 COIL STRAPS W/ IS" END LENGTHS INSTALLED ON INSIDE OF WALL EDGE OF CONTINUOUS 4' x 8' SHEET OF SHEATHING, INSTALL 1/16" OSB SHEATHING ON OUTSIDE OF BRACED WALLS (AND INSIDE FACE WHERE NOTED ON THE PLANS). ATTACH OSB WITH 8d NAILS 3" OC. CONTINUOUS RIM OR BAND JOIST ALONG EDGES, INTERMEDIATE STUDS, AND PLATES. WHERE SHEATHING LAPS HEADER DIRECTLY ABOVE BRACED WALL PANEL, 8d NAILS ARE TO BE SPACED IN A 3" O.C. GRID PATTERN AS SHOWN AND 6" OC IN THE FIELD ABOVE THE OPENING, INSIDE SHEET(S) (IF INSTALLED) WILL TERMINATE AT THE CEILING LINE (TYP) -8d NAILS @ 6" O.C. ALONG BRACED WALL PANEL FOR A PANEL SPLICE (F NEEDED), PANEL EDGES SHALL OCCUR OVER AND BE NAILED TO CONTON BLOCKING, ONE ROW OF 8d NAILS . 3" O.C. ALONG EA PANEL EDGE BRACED WALL PANEL MIN 2 x 4 STUDS WITH PONY WALL HEIGHT UP TO 2' MIN 2 x 6 STUDS WITH PONY WALL HEIGHT GREATER THAN 2' -(3) led NAILS @ 16" OC ALONG BRACED WALL PANEL BOTTOM PLATE SECURED BY 1/2" DIA BOLTS w/ 2" x 2" x 3/16" PLATE WASHERS (MINU BOLTS TO BE INSTALLED WITHIN 12" OF THE ENDS OF EACH PLATE (MIN. OF TWO ANCHORS PER PLATE SECTION), FOR MASONRY STEMWALL CONSTRUCTION OPTIONS OP BAND JOIST



48" OR LESS

3" COVER-

OPT, FACE

-BRACED WALL PANEL

1/2" ANCHOR BOLTS

PER BRACED IIIAI I

- 4 REBAR FIELD BENT

6" NTO BOND BEAM

BRACED WALL PANE

- BOND BEAM

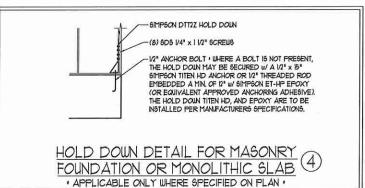
-B" CMJ

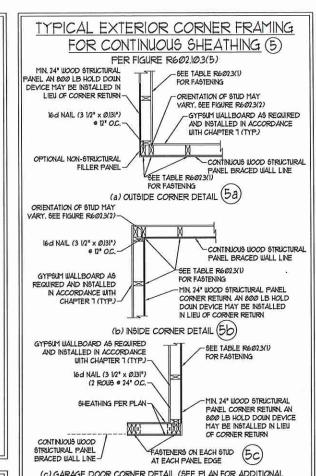
-BOND BEAM

4 REBAR

TALL STEM WALL REINFORCEMENT

TYPICAL STEM WALL SECTION





STRUCTURAL INFORMATION OR ALTERNATE CONFIGURATIONS)

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. II" x IT" PRINTS ARE ONE HALF THE NOTED SCALE KING STUDS BETWEEN GARAGE HEADERS PER PLAN GRADE AND PORTAL FRAME DETAIL GARAGE HEADER PER PLAN (2) 5'-LONG SIMPSON COM ERTICAL STRAPS PER JACK STUDS SUPPORTING PORTAL FRAME CONNECTION DETAIL BETWEEN GARAGE DOOR HEADERS REFERENCE PORTAL FRAME DETAIL FOR ALL OTHER PORTAL FRAME INFORMATION)

SCALE NOTE:

BRACED WALL PANEL (8) CONNECTION TO PERPENDICULAR RAFTERS PER FIGURE R602.10.45(1) SOLID BLOCKING BETWEEN RAFTERS OR TRUSSES ATTACHED TO TOP PLATES WITH 8d NAILS 6" O.C. ALONG LENGTH OF BRACED WALL PANEL

S 200 15 S 0 5 KALE FAX: (9) S O N **Z** 3

SPEED

S DESIGN WIND S

MPH ULTIMATE I BRACING NOTES.

MPH - 130 WALL 1

BRACED WALL PANEL CONNECTION TO PERPENDICULAR ROOF TRUSSES (9 PER FIGURE R602.10.4.5(3) (OR ALTERNATIVE: FIGURE R602.10.45(2)) 2 x BLOCKING NAILING PER TABLE R6023(1) 6'-0" MAX

> DATE: OX. TOBER 30, 2018 SCALE 1/4" - 1'0' DEAWN BY IST ENGINEERED BY: JST

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

MILLE SORO SEAL EW G. STY CONTRACTOR OF THE

7/22/19

-FULL HEIGHT BLOCKING & 16" O.C., ALONG LENGTH OF BRACED WALL PANEL

BRACED WALL PANEL CONNECTION WHEN PARALLEL TO FLOOR/CEILING FRAMING PER FIG. R602.10.4.4(2) FULL HEIGHT BLOCKING ADDITIONAL FRAMING 16" OC. ALONG LENGTH OF MEMBER DIRECTLY ABOVE BRACED WALL PANEL -CONTINUOUS RIM OR BAND JOIST BRACED WALL PANEL -8d NAILS # 6" O.C. ALONG BRACED WALL PANEL TOE NAIL (3) 8d NAILS AT 8d NAILS # 6" OC. ALONG EA BLOCKING MEMBER BRACED WALL PANEL BRACED WALL PANEL BRACED WALL PANEL - BRACED WALL PANEL -(3) 16d NAILS . 16" O.C. (3) 16d NAILS . 16" O.C. -(3) 16d NAILS @ 16" O.C. ALONG BRACED WALL PANEL AT EA BLOCKING ALONG BRACED WALL PANEL (2) 16d NAILS EA SIDE ADDITIONAL FRAMING
MEMBER DIRECTLY BELOW CONTINUOUS RIM III/ FINGER JOISTS OR DBL. BAND JOIS BRACED WALL PANEL

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CONCRETE OR MASONRY BLOCK FOUNDATION OVER CONCRETE OR MASONRY BLOCK FOUNDATION AIMPSON LITPA ANCHOR AT FACH END OF THE PORTAL FRAME PANEL - ILLOOD STRUCTURAL PANEL SUFATILING OVER APPROVED BAND OR RIM JOIST

OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION

METHOD PF-PORTAL FRAME DETAIL (1)

· APPLICABLE W/ GREATER THAN 12" KNEE WALL HEIGHTS

IN CRAIL SPACE AND ABOVE FRAMED BASEMENT WALLS

SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. II" x IT" PRINTS ARE ONE HALF THE NOTED SCALE

GENERAL NOTES

- L BNSINEER'S SEAL APPLIES CALLY 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 CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO 1-JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NCRC), 2018 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS METHODS TECHNIQUES SEQUENCES OR PROCEDURES OR SAFETY PRECAUTIONS AND PROCRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE
- 3. STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NORC, 2018 EDITION (R3014 R3017)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	10	L/240 (L/360 w/ BRITTLE FINISHES)
ATTIC WITHOUT STORAGE	10	10	L/360
DECK5	40	10	L/360
EXTERIOR BALCONIES	40	10	L/360
FIRE ESCAPES	40	10	L/360
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10	L/36Ø
PASSENGER VEHICLE GARAGE	50	Ø	L/360
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/36Ø
SLEEPING ROOMS	3Ø	10	L/36Ø
STAIRS	40	10	L/360
WIND LOAD	(BASED ON TABLE R3Ø12)	(4) WIND ZONE AND EXPOSURE	I VENDON
GROUND SNOW LOAD: Pg	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
- FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE 15 TO COMPLY WITH SECTION R403.16 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 ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING
- 2. FOR ALL CONCRETE ALARA AND ECOTINGS THE AREA WITHIN THE PERMETER OF THE BUILDING PRIVELOPE SHALL HAVE ALL VEGETATION TOP SOIL AND FOREIGN MATERIAL REMOVED. FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO ASSURE INFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAYEL. A 4" THICK BASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAYEL SHALL BE FLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAYEL MIXTURE SOILS CLASSIFIED AS GROUP 1, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R405.1 OF THE NORC, 2018 EDITION.
- 3. PROPERLY DEWATER EXCAYATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE \$LAB IS AT OR BELOW WATER TABLE. IF PPLICABLE, 3/4" - I" DEEP CONTROL JOINTS ARE TO BE SAILED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE
- 4. CONCRETE SHALL CONFORM TO SECTION R40/22 OF THE NCRC, 2019 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A6/15 GRADE 60. WELDED WIRE FABRIC TO BE ASTM A185, MAINTAIN A MINIMUM CONCRETE COVER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 1 1/2" IN SLABS. FOR POLICED CONCRETE MALLS CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE MALL SHALL. NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL. SHALL NOT BE LESS THAN I 1/2" FOR 15 BARS OR SMALLER, AND NOT LESS THAN 2" FOR 16 BARS OR LARGER.
- 5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL COMFORM
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR INFILLED HOLLOW CONCRETE MASONRY WITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR 5 MORTAR PIERS AND WALLS SHALL BE CAPPED WITH 8" OF SOLID MASONRY.
- FOOTING, EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS.
- 8. ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION REGIS OF THE INCRC, 2019 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NCMA TREB-A OR ACE 530/ASCE 57/THS 407, MASONRY FOUNDATION WALLS ARE TO BE REINFORCED FER TABLE REGISTRY, REGISTRY, REGISTRY, OR REGISTRY OF THE NCRC, 2019 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R4041/15) OF THE NCRC, 2018 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT 16" OC WHERE GRADE PERMITS (UNO).

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FRAMING NOTES

- 1 ALL FRAMING LUMBER SHALL BE 12 SPF MINIMUM (Fig. = 815 PS), Fy = 315 PS), E = 16000000 PS)) UNLESS NOTED OTHERUISE (UNO). ALL EATED LUMBER SHALL BE 2 SYP MINIMUM (Fb = 915 PS), Fy =115 PS), E = 1600000 PS)) UNLESS NOTED OTHERUISE (UNO)
- LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fto =2600 PSI, Fv = 285 PSI, E = 1900000 PSI. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2325 PSI, Fv = 310 PSI, E = 155,0000 PSI. PARALLEL STRAND LUMBER (PSL) UP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2500 PSI, E =18000000 PSI. PARALLEL STRAND LUMBER (PSL) MORE THAN 1º 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: ASTM A36

ASTM A500 GRADE B HOLLOW STRUCTURAL SECTIONS:

ASTM A53, GRADE B, TYPE E OR 5

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

A WOOD FRAMING

(2) 1/2" DIA x 4" LONG LAG SCREWS

B. CONCRETE

(2) 1/2" DIA x 4" WEDGE ANCHORS

C MASONRY (BILLY GROUTED)

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

LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TOE NAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 24 NAME OF 16 SECURED TO THE TOP OF THE STEEL BEAM III (2) ROUG OF SELF TAPPING SCREUG # 16" OC. OR (2) ROUG OF 1/2" DIAMETER BOLTS & IS* O.C. IF 1/2* BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED W/ (2) ROWS OF 9/16* DIAMETER

- 5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION, SHADED SQUARES DENOTE POINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- 6. ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R602.7(1) AND R602.7(2) OF THE NCRC, 2018 EDITION OR BE (2) 2 x 6 WITH (1) JACK AND (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 SUPPORTED WITH (2) STUDS AT EACH BEARING POINT (UNO). INSTALL KING STUDS PER SECTION R602.75 OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION.
- 1. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR FULLY ON (1) JACK OR (2) STUDS MINIMUM OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO MALL, 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 ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO).
- 8. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A301) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS LOCATED AT 6" FROM EACH END (UNO).
- 9. ALL 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.
- 10. BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION WALL BRACING CRITERIA THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R602.10.
- PROVIDE DOUBLE JOIGT UNDER ALL WALLS PARALLEL TO FLOOR JOIGTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR I-JOISTS PER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- 12 FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8"-9" IN LENGTH, REST A 6" x 4" x 5//6" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (UNO). FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH 1/2" LAG SCREWS AT 12" O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 4" x 5//6" STEEL ANGLE TO (2) 2 x 1/2 PJ COCKING INSTALL ED III/ (4) 17d NAIL 5 EA PLY BETILEEN WALL STUDS WITH (2) ROWS OF 1/2" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION RT03.82.1 OF THE NCRC, 2018 EDITION
- 13. FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-0". FASTEN MEMBERS WITH THREE ROUS OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS
- 14. FOR TRUBBED ROOFS: FRAME DORNER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUBBES. STICK FRAME OVER-FRAMED ROOF SECTIONS WITH 2 x 8 RIDGES, 2 x 6 RAFTERS AT 16" O.C. AND FLAT 2 x 10 VALLETS (UND).
- 15. ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO.) POSTS MAY BE SECURED USING ONE SIMPSON HIS OR LITSIZ UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST, ONE 16" SECTION OF SIMPSON 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.

O = 20072 O 0 9 I က်မြန်

> SPEED 130 MPH ULTIMATE DESIGN V STANDARD STRUCTURAL NO MPH

Continues and seed

DATE: NOVEMBER 14, 2018

SAWN BY: IES ENGINEERED BY JST

> S-0 STRUCTURAL NOTES

WIND

— SEE WALL BRACING — DETAIL SHEET D-2 FOR FOUNDATION DETAILS

12'-4" -24" x 24" x 10" CONC. FTG.

11-0"

-24" x 24" MASONRY PIER

(INCLUDING VENEER) ON 32" x 32" x 10" CONC. FTG. (TYP)

ELEVATION D

OPT. PATHO DECK

4'-0"

PROVIDE (2) 1 3/4" CONDUITS IN SLAB FOR ISLAND ELECTRIC TO WALL BEHND REF.

> 16" WIDE BY 9" DEEP THICKENED SLAB

> > SLAB

SEE PND. DETAIL 5 SHEET D-I (TYP)

7'-7 1/2"

SHEET D-I (TYP)

- SEE WALL BRACING -DETAIL SHEET D-2 FOR FOUNDATION DETAILS

CONC. FTG.

11-8"

CONC. SLAB

SHEET D-I (TYP)

SCALE NOTE: LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. 11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE OZ 150 MPH ULTIMATE DESIGN WIND 0 30' MEAN ROOF HEIGHT: MAN ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ENGINEER'S SEAL DOES NOT CERTIFY DIPOSIONAL ACCURACY OR ARCHITECTURAL LAYOU NCLIDALS ROOF STSTEM. OME STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 ENGINE FOR SUPPROVE (919) 789 EDITION WITH SPECIAL CONSIDERATION TO CHAPTER 45 ("HIGH UND ZONES" FOR BO CHAPTER 45 ("HIGH UND ZOJES" FOR BO IPH UNDS).

BUILDER 16 TO FROYIDE FRATING CONCECTION AS REQUIRED BY CHAPTER 45 ("HIGH UND ZOJES" FOR 56 IPH UNDS) OF THE NORTH CAROLINA FESDETITIAL CODE, 266 EDITION FOLNDATION AND FOR AGE TO COPPLY WITH 55C TOTAL CODE, 266 EDITION FESDETITIAL CODE, 266 EDITION FESDETITIAL CODE, 266 EDITION IPMA ROOF FEIGHT 16 LESS THAN 36 FEET. PEAR ROOF FEIGHT IS LESS THAN 30 FEET.
BALL CLADDING DESKRED FOR 4/43 PGF
AND -32 PGF (4'- ND)CATE POSITIVE /
NEGATIVE PRESSURE (TYP).
ROOF CLADDING DESWRED FOR 4/12 PGF
AND -18 PGF FOR ROOF PTICHED 1/10 TO
1/10 AND -14 PGF AND -51 PGF FOR ROOF
PTICHED 1/20 TO 1/10.
TUG' 0/89 GEATHING IS REQUIRED ON ALL
EVITENOUS HIM! IS REQUIRED ON ALL
EVITENOUS HIM! IS EXTERIOR WALLS.
WALLS TO BE BRACED IN ACCORDANCE WITH SECTION RE603/6 OF THE NORTH CAROLINA RESIDENTIAL CODE, 20/6 EDITION AND AS NOTED ON PLAYS. EDITION AND A POINT OF THOMAS.

DERRY EFFICIENCY COMPLIANCE AND NOULLES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NORC, 20% EDITION. 120 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT: E DISINERIO SEAL APPLES CRLY TO STRUCTURAL COMPONENTO. DISINERIO SEAL DOES NOT CERTIFY DIPENSIONAL ACCURACY OR ACCHIECCIRAL LAYOUT NALUDIS ROSE SYSTEM.

STRUCTURAL DESIGN FER NORTH CAROLINA RESIDENTIAL CODE. 10th EDITION.

NISTALL VI ANCHOR BOLT SE'-90'-90. AND WITHIN T-9" FROM BOD OF EACH CORRER.

ANCHOR BOLTS HIST EXTERD A KNIMM OF TONIO HASONEY OR CONCRETE LOCATE

TONIO TASONEY OR CONCRETE LOCATE

HEAN ROSE PIEGIT IS LESS THAN 30 FET.

HEAN ROSE PIEGIT IS LESS THAN 30 FET.

EXTERIOR WALLS DESIGNED FOR 100 MPH WINDS. ENGAGE & H HOMES 4" CONC -SLAB 5. EXTEROR WALLS DESIGNED FOR 195 FEB WINDS.

6. WALL CLADDING DESIGNED FOR 1-55 FEB ADD -10 FEB (14** NDICATE POSITIVE / NEGATIVE FRESSIVE (TYP).

1. ROOF CLADDING DESIGNED FOR 142 FEB ADD -36 FEB ADD -36 FEB FOR ROOF PITCHED 235/01 TO 1/0.

1. NOTAL TWO 1005 SEE ATHING ON ALL EXTERIOR WALLS OF ALL STOREDS NAMED AND 100 FEB ADD -36 FEB WALL EXCENSIVE BIT HE WALL SHEET FOR THOSE NORTH BIT HOSE, 2/00 EDITION. SEE THE WALL BRACKS NOTES AND DETAILS SHEET FOR THOSE NORTH MORE ADD NELL ATHONY VALUES OF THE BUILDING TO BE NACCORDANCE WITH EQUILDING TO BE NACCORDANCE WITH CHAPTER IT OF THE NACCORDANCE WITH CHAP — SEE WALL BRACING — DETAIL SHEET D-2 FOR FOUNDATION DETAILS -24" x 24" x 10" NCRC, 2018 EDITION

10. REFER TO NOTES AND DETAIL SHEETS FOR
ADDITIONAL STRUCTURAL NEORMATION

WHITH CARO SEAL 33736 G. STRON " Seguine Mante

STEMWALL SLAB FOUNDATION PLAN

DATE: JUNE 22, 2020

DRAWN BY: FURL HOMES ENGINEERED BY: WEB

> SHEET, 3 OF 10 S-1c

6/22/2020

OPTIONAL THIRD CAR GARAGE