

# FREELANCE H&H HOMES - GARAGE RIGHT

# PLAN REVISIONS

11-08-11 COMPLETED CONSTRUCTION DOCUMENTS INCLUDING CLIENT REVIEW COMMENTS.

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

09-12-18 STANDARD CLIENT CHANGES PER CLIENT WALK-THRI NOTES DATED 08-30-18. CHANGES INCLUDE BUT NOT-LIMITED TO THE FOLLOWING: REMOVE OPT. LAINDRY TUB, REMOVE KITCHEN ISLAND KNEEWALLS, CHANGE KITCHEN ISLAND COUNTER TOP TO HAVE 12\* OVERHANGS, REMOVE OHC. ABOVE FRIDGE, ADD PLUMBING DROP UNDER CABINET, REMOVE GARAGE SERVICE DOORS, REMOVE OPT. RAILING AT STAIRS, 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 QUINERS SUITE AND GATHERING ROOM ONLY, REMOVE COVERED PORCH OPTION, REVISE KITCHEN LIGHTING TO BE 4-BULB FLOURESCENT LIGHT.

> PLAN SPECIFIC CHANGES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: REMOVE TRIANGLE CHASE, SHIFT GARAGE ENTRY DOOR TIGHT TO CORNER, EXTEND CLOSET BELOW STAIRS, REMOVE MIDDLE WINDOW IN GATHERING ROOM, REMOVE OPT, WINDOW IN CORNER OF GATHERING ROOM, REMOVE BOTTOM TREAD AT STAIR AND ADD TREAD AT UPPER FLOOR, REMOVE OPT. WINDOW AT LOFT, REMOVE OPT, DOOR AT BATH 2, MAKE STANDARD I BOUL 30" VANITY IN EXTERIOR CORNER OF BATH 2, MAKE 60" 2 BOUL VANITY AT BATH 2 WITH OPT, BEDROOM 4, REMOVE OPT, WINDOW AT BEDROOM 3, REMOVE OPT, WINDOW AT BEDROOM 2.

ELEVATIONS - REMOVE WINDOW GRIDS FROM SIDES AND REARS. ELEVATION "A" ROOF - FLUSH OVERHANGS ON LEFT AND RIGHT SIDE GABLES ELEVATION "C" ROOF - CHANGE REAR HIP TO BE GABLE WITH 8" OVERHANG.

12-02-13 CHAYGED BATHROOM NAMING CONVENTION PER HIH REQUIREMENTS. REVISED ALL MASTERS TO OUNER'S CONMENTS, VERIFIED ALL HOR HIGTS WERE AT LEAST T'-0".

SQUARE F	OOTAGE	
HEATED AREAS	ELEV 'A'	ELEV 'C'
MAIN FLOOR	864 SQ. 11.	854 SQ. FT.
UPPER FLOOR	1063 SQ. FT.	1063 SQ. FT.
TOTAL HEATED SF	1927 SQ. FT.	1927 SQ. FT.
UNHEATED AREAS		
1 CAR GARAGE	251 SQ. FT.	251 SQ. FT.
COVERED AREAS		
FRONT PORCH	31 SQ. FT.	53 SQ. FT.
UNCOVERED AREAS		
OPTIONAL PATIO	80 SQ. FT.	80 SQ. FT.
UNHEATED OPTIONS		
OPTIONAL 1-CAR GARAGE	240 SQ. FT.	240 SQ. FT.

ISSUANCE OF PLANS FROM THIS DRAFTERS OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERRY ALL NOTES, DYENSIONS, AND ACHERSPICE TO APPLICABLE BUILDING CODES FROM TO CONTRICTION OF ANY CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN NOTES, DYENSIONS, OR ACHERSPICE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTERS OFFICE FOR CORRECTION BEFORE COMPRESSIONS OF ANY CONSTRUCTION DEFORE

COTTENDED TO ANY CONSTRUCTION

THE RYSIGNS OR CHARLES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE HADE
AFTER THE THAT, AND HAVE ESTED COTFLETED SALL BE SUBJECT TO ADDITIONAL FIELS.

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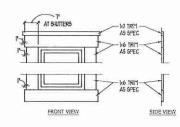


ISSUANCE OF PLANS FROM THIS DRAFTENS OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEU AND VERRY ALL NOTES, DYENSIANS, AND ADHERBYCE TO APPLICABLE BUILDING CODES FROM TO CONTREVED FOR ANY CONSTRUCTION.

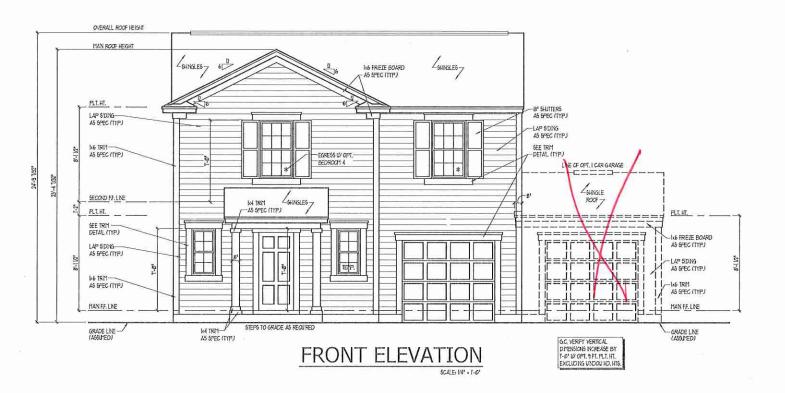
ANY DISCREPANCY OF ERROR HINDES, DEPENDENCE, OR ACKERENCE TO APPLICABLE BUILDING CODES SHALL BE BROWNED TO THE ATTENTION OF THE DRAFTENS OFFICE FOR CORRECTION BEFORE COPPENCESTOR OF ANY CONSTRUCTION.

ANY REMISSION OR CHAVES FROM TELLIFIED TO THE CORRECTION OF ERRORS THAT ARE THOSE AFTER THE FRAM, FLANS HAVE BEEN COPPLETED SHALL BE SUBJECT TO ADDITIONAL FIES.

FAINT MODERATIONS ARE FLOOD TO THESE PLANS BY ANY OTHER PLANTY OTHER THAN THE DRAFTERS OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.



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FRONT ELEVATION DETAILS

**ELEVATION "A" - TRADITIONAL** GARAGE RIGHT

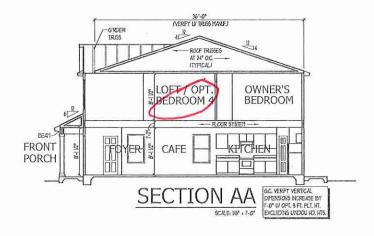
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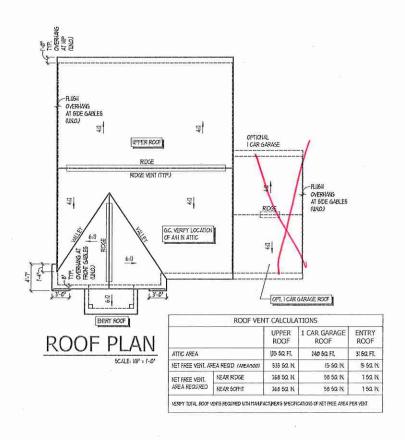
BILDING CODES FROR TO COTTENETHING OF ANY CONSIDERITION.

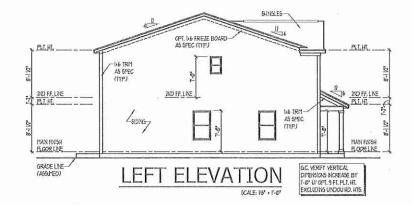
ANY DISCREPANCY OF ENRORS IN NOTES DEPOSITION, OR ADVERSIVE TO AFFICABLE BULDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S GRICE FOR CORRECTION BEFORE COTTENED BY ANY CONSIDERION.

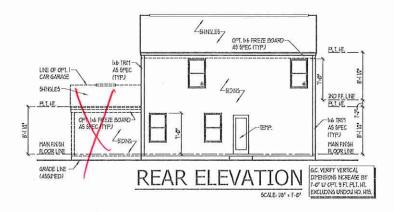
ANY REVISIONS OR CHAVES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL, PLANS HAVE DEPOSITIONED BY ALL BE SUBJECT TO ADDITIONAL FIELS.

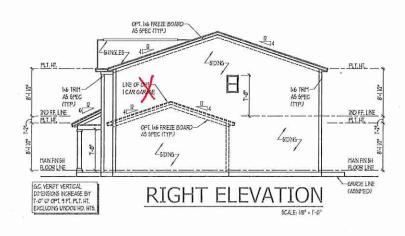
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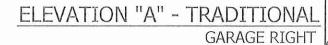














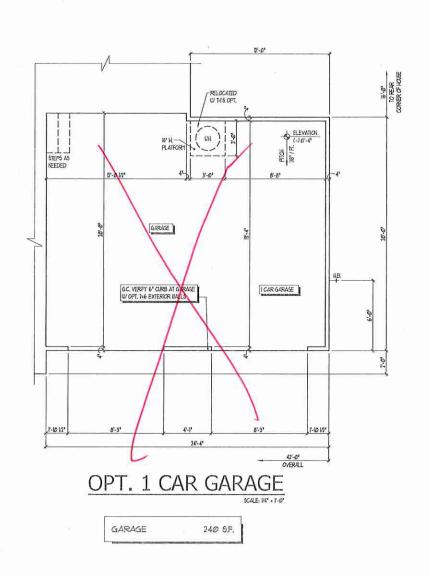


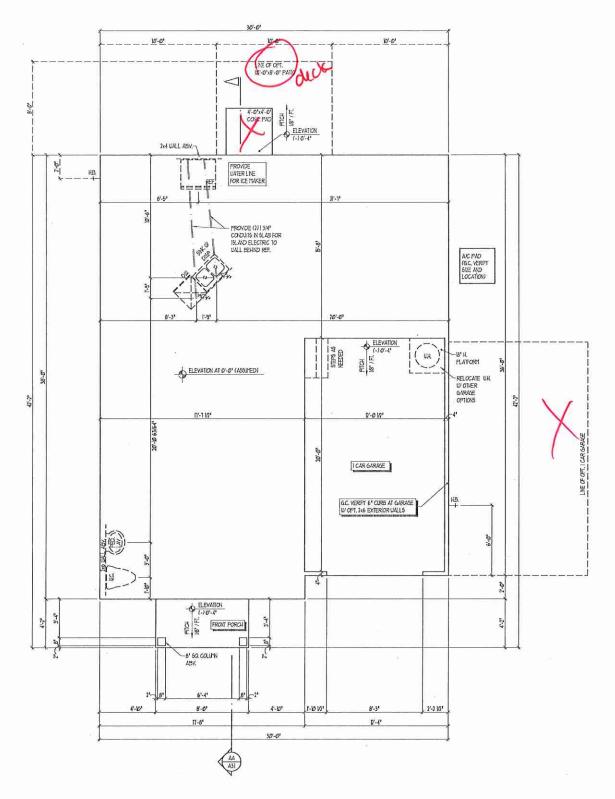


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SIDE AND REAR ELEVATIONS
ROOF PLAN
BUILDING SECTION











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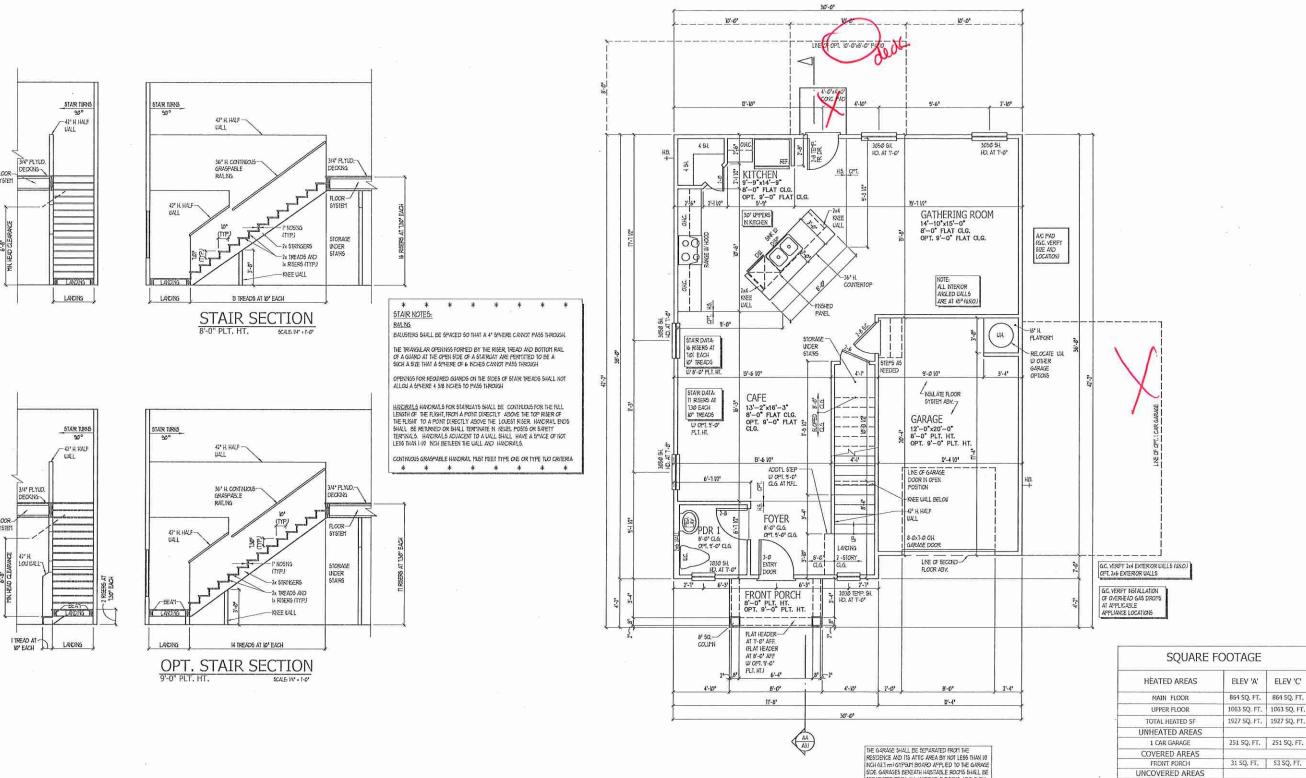
• TITLE SLAB INTERFACE PLAN

SLAB INTERFACE PLAN GARAGE RIGHT

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEU AND VERRY ALL NOTES, DYDNIONS, AND ADHERDICE TO APPLICABLE BUILDING CODES FROM TO COTTENCEROT OF ANY CONSTRUCTION.

ANY DISCREPANCY OF FROM NINES, DYDNIONS, OR ADDRESNE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE COTTENCEROR OF ANY COSTSTILLION.

ANY REVISIONS OR CHANGES, NOT RELIEFD TO THE CORRECTION OF ERRORS THAT ARE MODE AFTER THE TIME, IT AND THE CONTENTION SHALL BE AND THE TIME THAT THE DISCREPANCE AND THE TIME THAT THE DRAFTER SHALL FIND THE THAT THE DRAFTER SHALL FIND THE THAT THE DRAFTER SHALL FIND THE PRAFT OFFICE THAT THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.



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ANY DISCREPANCY OF ENDOS IN NOTES, DYENSIONS, OR ADJECTIVE TO APPLICABLE BUILDING CODES SHALL BE DRAWNED TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CORRECTION BEFORE CONTENDERON OF ANY CONSTRUCTION.

ANY REVISIONS OR CHANGES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE TINKE. PLANS BANGE DEBY CONTENEDS SHALL BE SUSPECT TO ADDITIONAL THES. FAIL YOUR CALLING TO THE THE TINKE THAT THE TINKE THE DRAFFER SHALL NOT BE HELD RESPONSIBLE.

UNCOVERED AREAS 80 SQ, FT. 80 SQ, FT. OPTIONAL PATIO UNHEATED OPTIONS 240 SQ. FT. 240 SQ. FT. OPTIONAL 1-CAR GARAGE

SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/6 NOH (ISB or ) TYPE "X" GYPSU" BOARD OR EQUIVALENT, WERE THE SEPARATION IS A

FLOOR CELLING ASSENDED, THE STRUCTURE SUPPORTION THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN VIZING THE GYPSUM BOARD OR EQUIVALENT.

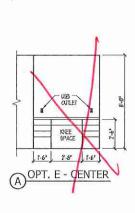


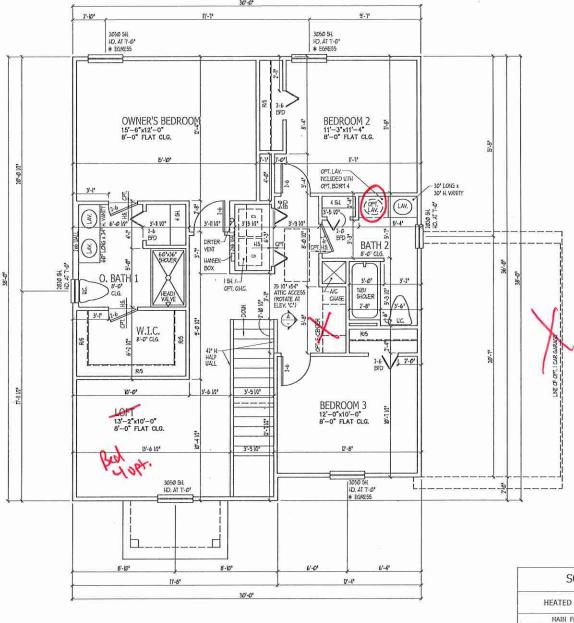
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nnF MAIN FLOOR PLAN STAIR SECTIONS

MAIN FLOOR PLAN





SQUARE FOOTAGE ELEV 'A' ELEV 'C' HEATED AREAS 864 SQ. FT. 864 SQ. FT. MAIN FLOOR 1063 SQ. FT. 1063 SQ. FT. UPPER FLOOR TOTAL HEATED SF 1927 SQ. FT. 1927 SQ. FT. UNHEATED AREAS 1 CAR GARAGE 251 SQ. FT. Z51 SQ. FT. COVERED AREAS 31 SQ. FT. 53 SQ. FT. UNCOVERED AREAS 80 SQ. FT. 80 SQ. FT. OPTIONAL PATIO UNHEATED OPTIONS OPTIONAL 1-CAR GARAGE 240 SQ. FT. 240 SQ. FT.



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• TITLE UPPER FLOOR PLAN

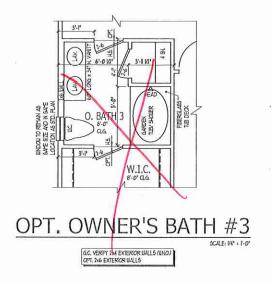
UPPER FLOOR PLAN GARAGE RIGHT

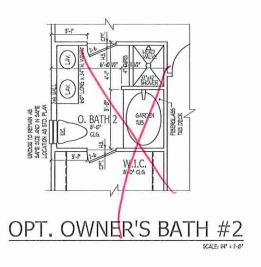
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ANY DISCORPANCY OF ENERGY IN NOTES, DYDNIONS, OR ADDRESSED OF APPLICABLE BULDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTERS OFFICE FOR CORRECTION BEFORE CONTROLLED OF ANY COSSISTATION.

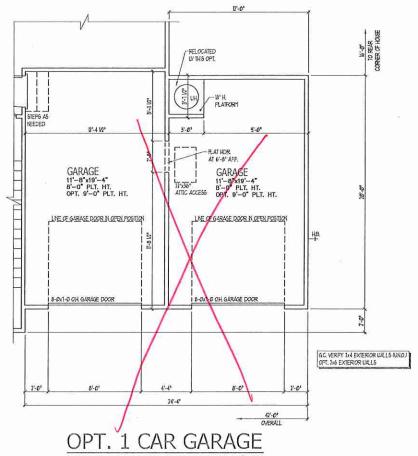
ANY REVISION OR CHARGES, NOT RELIABED TO THE CORRECTION OF FROMS THAT ARE MADE AFTER THE THAL PLANS HAVE BEEN CONTRILLED SHALL BE SUBJECT TO ADDITIONAL FIELS.

FAIN TRODUCATIONS ARE HAVE TO THESE PLANS BY ANY TODAL CAPACITY OTHER THAN THE DRAFTERS OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.









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GARAGE

ISSUANCE OF PLANS FROM THIS DRAFFERS OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERRY ALL MOTES, INCONSIONS, AND ADJERBUCE TO APPLICABLE BUILDING CODES FRORT TO CONFERCION OF ANY CONSTRUCTION. ANY DISCREPANCY OF ERROR IN NOTES, DEPOSIONS, OR ADJERBUCE TO APPLICABLE BUILDING CODES SHALL BE BROWNED TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CONSECTION BEFORE COPYESCHED OF ANY COSTRUCTION.

ANY REVISIONS OR CHARGES, NOT PELLATED TO THE CORNECTION OF ERRORS THAT ARE THOSE AFTER THE FINAL PLANS HAVE BEEN COPYESTED SHALL BE SUBJECT TO ADDITIONAL THES.

IF ANY TROPICATIONS ARE THOSE TO THESE PLANS BY ANY OTHER PLANT OTHER THAN THE PRAFFERS OFFICE, THE DRAFFERS OFFICE.

REFER TO STANDARD FLAN FOR INFORMATION NOT SHOUN

PLAN OPTIONS **GARAGE RIGHT** 







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# ELECTRICAL KEY

DIFLEX CONTRIBUTE CONTRIB

HO . NEATHERPROOF DUPLEX CUILET

HOIL GROUND FALLT MIERRUPTER DUPLEX CUILET

HAT-WILDED DALEX CALLEL 10 STECUL PURPOSE CUTLET

DIFLEX CUTLET N FLOOR

p⇒ 200 YOLT CUTLET

ENTT STITCH

\$3 THREE-MAY BUTCH

FOUR-MAY BUTTCH \$D PITER SUICH

CELING HOLNTED INCANDESCENT LIGHT FIXTURE

WILL HOUSTED INCANDESCENT LIGHT FORTURE

O RECEMED INCANDESCENT LIGHT FIXTURE

FIG. LIGHT FIXTURE WITH FULL CHAIN

HUORENCENT LIGHT FIXTHE

DAHAUST FAVILIGHT COMBINATION

III ELECTRIC DOOR OPERATOR (OPTICALL)

CLANOITAN COMIND EG PUBLISHTICAL BUTTON (OPTIONAL)

CARBON HONOXOE DETECTOR

(3) SHOKE DETECTOR

⑤⑤ 8HCKE / CARBON HOND. CONBO DETECTOR

H IELEPHONE (OPTIONAL)

TELEVISION (OPTIONAL)

(1) THEREMOSTAT DE ELECTRIC METER

HECTRIC PANEL

\_ DISCONECT SUTCH ⊗ GFEARER (OPTIONAL)

POLICE NEOR OPT. CELLING FAN

CELING HONTED INCANDERCENT LIGHT FIXTURE IV ROUGH IN FOR OPT. CELING FAN

#### NOTES:

1. FROVIDE AND INSTALL <u>GROUND FAULT CROUTE-NTERROFTERS)</u> (GFL) AS INDICATED ON FLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.

2. UNLESS OTHERWISE NOICATED, NSTALL SUTCHES AND RECEPTACLES AT THE ROLLOWISE HEARTH ABOVE FROM THE MOUTHER. .... IV
THE LETKINE. .... IV (INLESS ABY CONTERTOR)
THE PRISON. ... IV

3. ALL BYOKE DETECTORS BHALL BE HARDWIRED NTO AN ELECTRICAL POWER COURCE AND WHALL BE EQUIPTED WITH A HONTONED BATTERY BACKEP, PROVIDE AND INSTALL LOCALLY CHRIPPED BYOKE DETECTORS.

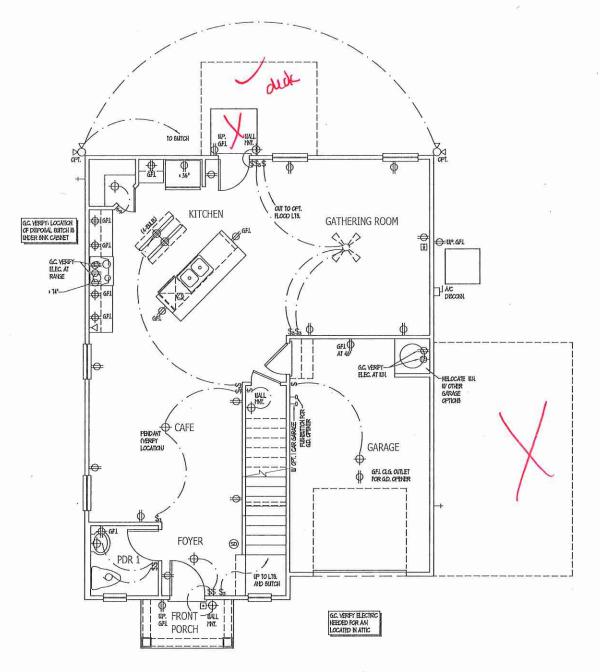
4. ALL BA AND JOAN RECEPTACLES IN BLEFFFUS ROCKS, FAVILY ROCKS, DANIEL ROCKS, LIMIE ROCKS, PARJORS, LEUNIERS, DENS, BUNCOCKS, EGGERATION ROCKS, CLOSETS, MULIUSY, AND MILLAW AREAS MLL, REGURE A COTEMBRIANT TIFFE AFGL DEVICE AND TAPTER-PROCE RECEPTACLES FER NEC. 2014 46612 AND 46613

5. ALL BA AND 36A DBY RECEPTACLES LOCATED IN THE GARAGE AND WILLTY ROCKS GHALL BE GECL PROTECTED (GF)).

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENRIFE THAT ALL ELECTRICIAL BOOK IS NIFLL CONFILINCE WITH HIPPA TO, NEC. 201, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINAISES.

1. EVERY BULDNS HAWS A FOCKL-REL-BURNS HEATER OF APPLIANCE, FREFLACE, OR M ATLICAED GARACE BULL HAVE AN OFFENTIONAL CARBON KONCOCE DETECTOR NOTALED WITHIN WHET OF EACH POOM LIED FOR GLEETING PURFOCKES.

& ALAPI'S WALL RECEME THER PRIVAY FORER RICH THE BULDH'S BRINS HER AUCH URAS' IS SERVED RICH THE LOCAL FORER MILITY, BUCH ALAPI'S BAULL HAVE BATTERY BUCCHE, COTENATION BY RECEASED HIS NOVE ALAPI'S WALL BE LISTED OR LIFEELD BY A MITANALLY RECORDED TENYES LIFERY TORK.









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MAIN FLOOR ELEC. PLAN

MAIN FLOOR ELECTRICAL PLAN **GARAGE RIGHT** 

REMAKE OF HAN FROM THIS DRAFFERS OFFICE SWILL NOT RELEVE THE BILLDER OF REPORTED LITTO TO REVEIL AND VERSY ALL NOTES, DYDRICKS, AND JOVERNOLE TO APPLICABLE BILLDIS COCCES FROM TO CONFESCION OF ANY CONSTITUTION. ANY DISCORPANCY OF FROM NOTES, DYDRAFS, OR ADVESTIGATION ANY DISCORPANCY OF FROM NOTES, DYDRAFS OFFICE ANY CASHED LITTO COCCES MULL BE EROLGENT TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CORRECTION REPORT

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F ANY HODBICATIONS ARE HADE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE
DRAFTER'S CHICK, THE DRAFTER BAULL HAT DE HELD RESPONSIBLE.

### ELECTRICAL KEY

DIFLEX COMPIBILE WILET

HE DIFLEX WILET ABOVE COMPER HEATHERTROOF DUFLEX CUTLET

GRAND FALLT NIERREPIER DEFEX CALLET

WE HAVE SKILLED DEFEX CALLET

HO SPECIAL PURPOSE CUILLET

DIPLEX CUILET N'HLOOR

₩ 220 YOLT OUTLET

EWLL BUTCH

\$3 THREE-HAY BUTTON FOUR-MAY BUTTON

In DIMER SUITCH

CELLING HOLNIED INCANDEDCENT LIGHT FIXTURE

INTT HORNED INCANDERCENT FRAIL BYTINE

RECESSED INCANDESCENT LIGHT FORTING

→ LISHT FIXTURE WITH FULL CHAIN

HTYCK FRONT FRONT HOUNE

EXHAUST FAN

DAVUST FAVLIGHT COMBINATION

ELECTRIC DOOR OFERATOR (OPTIONAL)

OF CHIES (OPTIONAL)

FUSIFICIAL BUTTON COPTIONALLY

 CARBON HONOXIDE DETECTOR (9) SHOKE DETECTOR

@@ BHOKE / CARBON HOND, COMBO DETECTOR

IN TELEPHONE (OPTIONAL)

TELEMBICA (OPTICANAL)

(I) THERMICETAT THE ELECTRIC METER

ELECTRIC PANEL \_== DISCONECT SUTTCH

⊗ CPEAKER (OPTIONAL)

TO ROUGH N FOR OFT. CELLING FAN

CELING HOLNTED INCANDERCENT LIGHT FIXTURE IV ROUGH IN FOR OFT, CELING FAN

#### NOTES:

1. FROVIDE A'D NOTALL <u>GROUND FALLT CROUT-NITERRIPTERN</u> (GFL) AS NOICATED ON PLAYS OR AS ITEM NO. 4 AND 5 BELOW NOVCATES.

2. UNLESS OTHERWISE NOKATED, NOTALL SUTCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ARBOVE FROSHED FLOOR COUNTERS OF THE PROPERTY OF THE FROSH. J. II' (INLESS ARM COUNTERTOP) THE FROSK J. J. II' (INLESS ARM COUNTERTOP)

3. ALL SHOKE DETECTORS SHULL BE HARDURED NTO AN ELECTRICAL FOUR COLOCE AND SHALL BE BAUFFED SITH A HONTORED BATTERY BACKEP, PROVIDE AND NOTALL LOCALLY CRETIFED SYME DETECTORS.

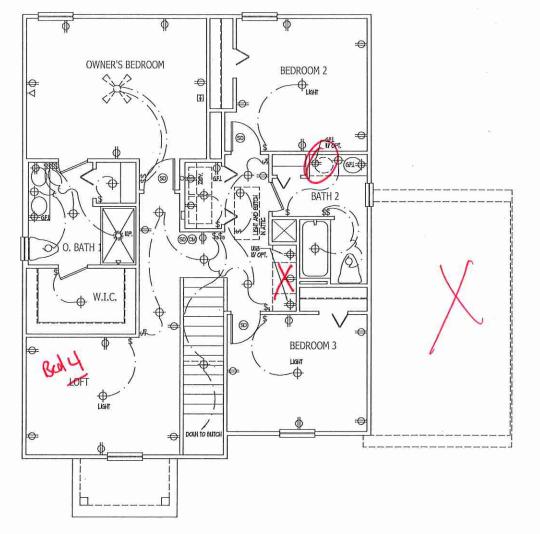
4. ALL BA NO 26A RECEPTACES IN GLEFPIG ROCHS, FAILLY ROCHS, DAING ROCHS, LIMIS ROCHS, PAGGAL LERAVERS, DENS, BANCOCHS, EGGERIOR ROCHS, CLOSES, MULIUTA, AD MIRLAY RAGE ILLI, REGUER A COTEMATION TIPE AFGL DEVIZE AND TAPTER-PROCE RECEPTACES FER NEC. 2011 406 D. AND 406 D.

5. ALL 5A AND 26A DBY RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROCKS GHALL SE GECL PROTECTED (GEL)

6. IT IS THE PERFONSIBILITY OF THE LICENSED ELECTRICAL TO BYSINE THAT ALL ELECTRICAL BOOK IS NIRLL CONFLANCE WITH MEPA TO, NEC. 264, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

1. EMEY BILDN'S HAM'S A FOSGL-REL-BERGN ISATER OF AFFLINCE, FREEFLICE, OR AN ATTACHED GARKEE BULL HAVE AN OFFRANCIAL CAFRON YSAROSE DETECTOR NOTALLED BITISH OF HEIT OF EACH POOR ILLEPNIS FREYOLDS.

& ALAPIS WALL RECEIVE THER PROVING POWER FRICH THE EULD HS WROSE WHEN ICLOH WERS IS SERVED FIND THE LOCAL POWER WILLIT, SUCH ALAPIS WALL HAVE BATTERT BACAP, COTEMANTA WERCELEVERN TAXONGE, ALAPIS WALL BE LISTED OR LABELED BY A HAITCHALLY RECORDED TESTING LABORATORY.









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UPPER FLOOR ELECTRICAL PLAN **GARAGE RIGHT** 

MALANCE OF PLANS FROM THIS DRAFFERS OFFICE SHALL NOT FREED'S THE BELDER OF REPORTABLITY TO REVEIL AND VERRY ALL NOTES, DY-DISIONS, AND ACHEROLES TO APPLICABLE BULDING COOKS FROM TO CONFELED SHIT OF ANY CONSTITUTION. ANY DISCORPANCY OF ERROR NOTES, DAYS AND OR CAMEROLES OF APPLICABLE BULDING COOKS ANALL BE BROUGHT TO THE ATTRITION OF THE DRAFFERS OFFICE FOR CORRECTION EFFORE COOKS ANALL BE BROUGHT TO THE ATTRITION OF THE DRAFFERS OFFICE FOR CORRECTION EFFORE

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### ELECTRICAL KEY

DIFLEX CONNENDS CONTER

HEATHERPROOF DIFLEX OUTLET

HOIM GROUND FAILT NIERRAPIER DUPLEX CUILET

HO PLECHT LIBER ONLE CONTELL

ED DUPLEX CUITLET N PLOOR

200 VOLT OUTLET WAT STUCK

THREE-WAY BUTTON

FOUR-BLAY BETTCH

\$D DHER SUICH

CELING HOWIED INCANDERCENT LIGHT HOTHER

MATT HOWIED INCARDERCENT TRAIL LEXITIES

RECESSED INCANDESCENT LIGHT FOTURE

→ TRACK LIGHT FILL CHAIN

HUGRENCHIT LIGHT HXTURE

EXMUST FAMILISHT COMBINATION

ELECTRIC DOOR OFERATOR (OFTICALL)

EI CHIE (CPTICAVL) PUBLICATION BUTTON (OPTIONAL)

CARBON HONOXIDE DETECTOR

(9) SHOKE DETECTOR

(SIG) BHOKE / CARBON HOND, CONBO DETECTOR

H TELEPHONE (OPTIONAL) TELEVISION (OPTIONAL)

THE STORTAT

ELECTRIC PETER
HECTRIC PANEL

\_ DISCONECT SUTCH

⊗ OFFERER (OPTIONAL) POLISH N FOR OPT. CELLING FAN

CELLING HOANTED INCANDERCENT LIGHT FIXTURE IN ROUGH IN FOR OPT. CELLING FAN

#### NOTES:

I. PROVIDE AND INSTALL <u>GROUND FALLT GROUT-NITERRIPTERS)</u> (GFL) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.

2 UNLESS OTHERWISE NOKATED, INSTALL SUTGES AND RECEPTACLES AT THE FOLLOWING JESUFFO AROVE PROMED FLOOR OF THE PROMED FLOOR OF THE PROMED HAVE THE PROMED HAVE THE PROMED HAVE THE PROMED HE WASHER HAVE THE PROMED HE PR

3. ALL BYCKE DETECTORS BULL BE HADDINED INTO AN ELECTRICAL POWER BATCE AND BULL BE EMPTED WITH A HANTORED BATTERY BACKEP, PROVIDE AND INSTALL LOCALLY CERTIFED BYCKE DETECTORS.

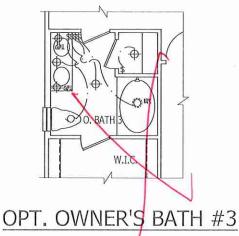
4. ALL BA AND 18A FECEPTACLES IN BLEFFIG FOOMS, FAFILY FOOMS, DINING FROMS, LIMPS FOOMS, PERLOPS, LERAPESS, DEB, BURCOMS, FECREATION FOOMS, CLOSERS, MULLINS, AND MILLAR AREAS BLIL FEGURE A CONSINIORINT THREAFL DEVICE AND TAFFER PROOF FECEPTACLES FERRICE. 201 40611 AND 40613

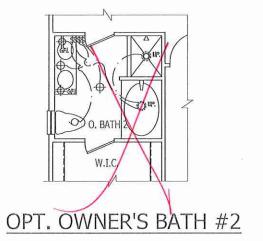
5, ALL BA AND 20A DRY RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROCH'S GHALL BE GECL PROTECTED (GFL).

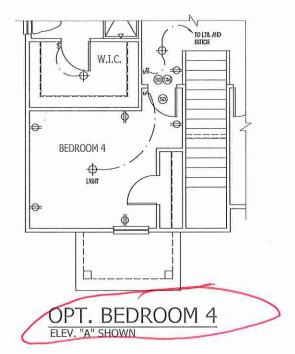
6. IT IS THE RESPONSEDLITY OF THE LICENSED ELECTRICAN TO PRINTE THAT ALL ELECTRICAL BORK IS IN PLLL COTPLINICE WITH MFPA 10, MEC. 2011, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDHANICES.

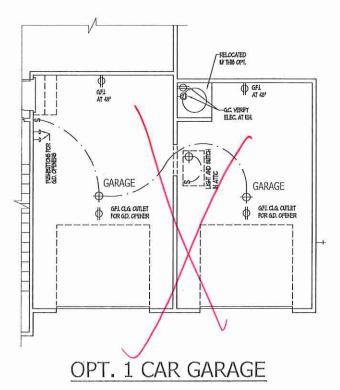
1. EMERT BULDNÍ HAMIS A FOGGLÆLE. EIRRÍS FEATER OR AFFLIANCE, FREFLAGE, OR AN ATTACHE GARAGE GAVLL HAVE AN OFFEATIONAL CAPECH KONDOSE DETISCION NITULLED UTINN IN HET OF EACH ROCH UNED FOR GLEEPING FURROCES.

B. ALAPIS BULL RECENT THEIR FROMAY FOURT RIGHT THE BUILDING WANTS LIEST BUTH WANT IS REPAID THE LOCAL POWER WILLING WANT SHALL HAVE BUTHEY BUCKER, COTEMATION BY CREATERS THE THE ALAPIS SHALL BE LISTED OR LIFELED BY A MAINTAILLY RECORDED THEIR'S LIBERATORY.











COTHERICATION ANY COMPANIANCE THE PROPERTY OF ANY CONSESSION DECIDENCE THAT ARE PLACE ANY COMPANIANCE FOR CONFESSION OF ERRORS THAT ARE PLACE AFTER THE FIRM. IT AND HAVE BEEN CONFESSION OF ERRORS THAT ARE PLACE TO A CONTIQUE. HE AS IT ANY TO OTHER THAN THE PART TO OTHER THAN THE DRAFTER'S OTHER THE DRAFTER SWILL NOT BE HELD RESPONSELE.

**ELECTRIC AT** PLAN OPTIONS **GARAGE RIGHT** 



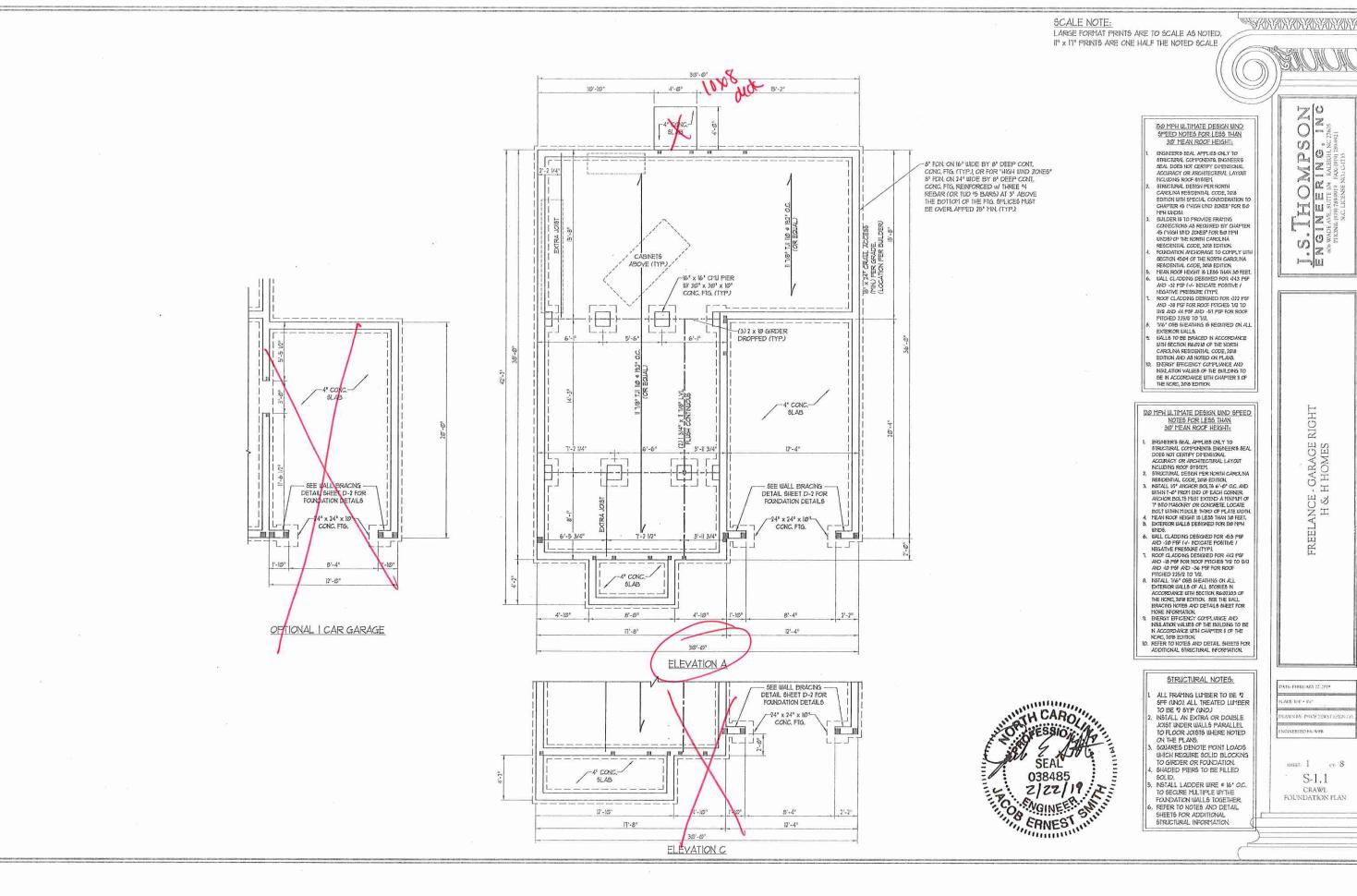




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W .2 MP S. HONERI

⊨> III

- GARAGE I H HOMES

FREELANCE. H & F

- ALL FRAMING LUMBER TO BE SFF 12 (UNO). ALL TREATED LUMBER TO BE SYP 12
- PARALLEL TO FLOOR JOISTS WHERE
- FOR ADDITIONAL KING STUD REQUIREMENTS.
  SQUARES DENOTE POINT LOADS WHICH
- REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.)

- SLABS W/ SIMPSON ABU44 POST BASES (OR EQUAL) AND 6 x 6 POSTS tr/ ABU66 POST BASES (OR EQUAL) (UNO). ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLET CONNECTORS AT TOP (UNO.)
- FOR FIBERGLASS, ALUMINUM, OR COLUMN ENG. BY OTHERS, SECURE TO SLAB u/ (2) METAL ANGLES USING 2' CONC. SCREWS. FASTEN ANGLES TO COLUMNS W/ 1/4" THROUGH BOLTS W/ NUTS AND WASHERS. NSTALLED PRIOR TO SETTING COLUMN

TABLE R602.15

HEADER SPAN	MAXIMIM STUD SPACING (INCHE (FER TABLE R6023(5)		
(IEE1)	16	24	
UP TO 3'	1	1	
4'	2	j j	
8'	3	2	
121	5	3	
16'	6	4	

TE: FEBRUARY 22, 2019 AWN BY PANTS DEWS PASTON

> зишт. 4 er. 8 S-2 SECOND FLOOR FRAMING PLAN

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 SFF \$2 @ 24" O.C. (UNO).

#### STRUCTURAL NOTES:

- ALL LOAD BEARING HEADERS TO BE (2) 1
- x 6 (UNO). INSTALL AN EXTRA JOIST UNDER WALLS
- 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 HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 1/16" OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG FDGES AND 6" OC 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" OC PANELS SHALL EXTEND 12" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FULL DEPTH.
- LOCATE ANGLES ON OPPOSITE SIDES OF COLUMN. THROUGH BOLTS MUST BE
- ADDITIONAL STRUCTURAL INFORMATION

2

21

(3) 2 x

(2) 2 x 6

(4)2 x 4

1

ENG BY OTHERS

-4 x 4 TRTD.

POST MIN.

O" SIDE IA

LEVATION A

ENG. BY OTHERS

ELEVATION C

-4 x 4 TRNO, POS

EXTRA JOIST

EXTRA JOIST

EXTRA JOIST

(OR EQUAL)

(2) 2 x 10 (TYP.)

(2) JACK

(2) 2 × 6

-(2) 1 3/4" x 9 1/4" LVL W/ (2) JACKS EA END

EXTRA JOIST

EXTRA JOIST

(3) 2 x 6 EA BRG. Pt.

PORTAL FRAME, SEE

METHOD FF ON WALL BRACING DETAIL SHEET D-2

(3) 2 x 6 EA BRG. PT.

PORTAL FRAME SEE

BRACING DETAIL SHEET D-2

KNEE WALL BELOW

(2) 2 x 6 EA, BRG, PT.

12'-0" SIDE 2B

BRACED WALL DESIGN NOTES:

NCRC 2018 EDITION

WALL INFORMATION

RECTANGLE A

METHOD: CS-WSP/FF TOTAL REQUIRED LENGTH: 9288'

TOTAL PROVIDED LENGTH: 14"

TOTAL REQUIRED LENGTH: 9,88' TOTAL PROVIDED LENGTH: 20'

TOTAL REQUIRED LENGTH: 8.01"

TOTAL PROVIDED LENGTH: 32"

METHOD: C5-WSP

SIDE 3A METHOD: C5-W5P

METHOD: C5-WSP TOTAL REQUIRED LENGTH: 8.01' TOTAL PROVIDED LENGTH: 38'

BRACED WALL DESIGN PER SECTION R602/0 OF THE

OC ALONG PANEL EDGES AND 12" OC IN THE FIELD GB REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL IZ" (MIN) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS.

NCAC 2018 EDITION
CS-BBP REFERS TO "CONTINUOUS SHEATHING - WOOD
STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/16' OSB
CN ALL EXTERIOR WALLS ATTACHED W/8d NAILS SPACED 6"

FASTEN GB WITH 1 1/4" SCREWS OR 1 5/8" NAILS 5PACED TOOK. ALONG PAYEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM PLATES, BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO BØ MPH.

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

BRACED WALL DESIGN

RECTANGLE B

METHOD: CS-USP/FF TOTAL REQUIRED LENGTH: 238'

TOTAL PROVIDED LENGTH: 6'

TOTAL REQUIRED LENGTH: 238' TOTAL PROVIDED LENGTH: 12.0'

TOTAL REQUIRED LENGTH: 10.01

TOTAL PROVIDED LENGTH: 23.6

TOTAL REQUIRED LENGTH: 2'
TOTAL PROVIDED LENGTH: 20'

SIDE 3B I 4A COMBINED

METHOD: CS-USP

METHOD: CS-WSP

SIDE 4B

OPTIONAL I CAR GARAGE

PORTAL FRAME, SEE

METHOD FF ON WALL

BRACING DETAIL SHEET D-2

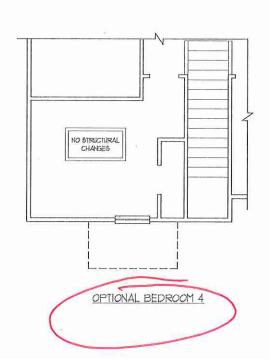
17'-Ø" SIDE IB RECTANGLE B

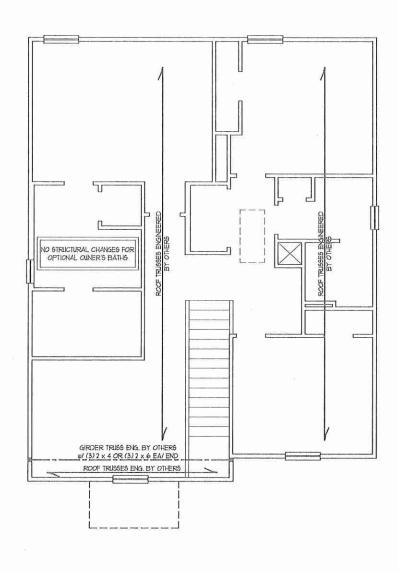
CONTR 3'-0"

CARO! OF PESSION ON FRNEST

ALL 4 x 4 POSTS SHALL BE ANCHORED TO

MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS





ELEVATION A

SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.

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



NOTE: ALL SECOND FLOOR EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 4 SPF 1/2 @ 24" O.C. 2 x 6 SPF 12 @ 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 1/2 @ 24" O.C. (UNO).

#### BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R609.10 OF THE NCRC 1016 EDITION.
  C5-USP RETERS TO "CONTINUOUS SHEATHING WOOD STRUCTURAL FAMELS" CONTRACTOR IS TO INSTALL TIME" OSS ON ALL EXTERIOR WALLS ATTACHED W/ 8d NAILS SPACED 6" O.C. ALONG PAYEL EDGES AND IZ" O.C. IN THE FIELD.
- GB REFERS TO "GTFSUT BOARD" CONTRACTOR IS TO INSTALL IN" (11N) GYPSUT WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH I IM" SCREWS OR I 5/8" NAILS SPACED 1" OC. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND
- PLOTE 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 2019 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION

#### NOTE:

TH CARO

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- FER SECTION R602J032 OF THE 2018 NCRC, THE AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.
- 2. SHEATH ALL EXTERIOR WALLS WITH 1/16" 058 SHEATHING ATTACHED WITH 8A NAILS AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

#### STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE SPF 12 (LNO), ALL TREATED LUMBER TO BE SYP 12 (LNO) 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x
- 3. WINDOW AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KING STUD EA END (UNO.), SEE TABLE R602.75 FOR ADDITIONAL KING STUD REQUIREMENTS SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION ALL SQUARES TO BE (2) STUDS (UNO.)
- FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 1/16" OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. N. THE FIELD. 5. 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" OC, PANELS SHALL EXTEND 12" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR RULL DEPTH. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION

TABLE R602.15 MINIMUM NUMBER OF FULL HEIGHT STUDS
AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MAXIMIM STUD SPACING (INCHE (PER TABLE R6/013/5)		
WEED	16	24	
UP TO 3'	1	1	
4'	2	1	
8'	3	2	
12"	5	. 3	
16'	6	4	

SHEET: 5

I.S. THOMPSON
ENGINEERING, INC
606 WADEAUE, SUTHON
FROM FROM FAX. (1917) 789-9921

RIGHT FREELANCE - GARAGE H & H HOMES

ATE PERUARY 22, 2019 NOODY DAVISORS DESIGN NEERED BY WEB

S-3a CEILING FRAMING

ELEVATION A

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

YANYANYANYANYANYE

STRUCTURAL NOTES:

STRUCTURAL NOTES:

L. ALL FRAMING LUMBER TO BE '2'
6FF (INDO).

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

FRAMIE DORMER WALLS ON TOP
OF DOUBLE OR TRIFLE RAMERS.

HIP SPLICES ARE TO BE SPACED
A MIN OF 8'-9'. FASTEN
MEMBERS WITH THREE ROUS OF
IND NAILS 9 18'-0C, (TYP)

STICK FRAME OVER-FRAMED
ROOF SECTIONS W 2 x 8 RIDGES,
2 x 6 RAMERS 6 18'-0C, AND
FLAT 2 x 10 VALLEYS OR USE
VALLEY TRUSSES,
6. FASTEN H. AT VALLEYS OR
SAMENSON NESS HURRICANE
TIES THROUGH NOTON IN ROOF
SHEATHINS, EACH RAMER 15 TO
BE FASTEND TO THE H. AT
VALLEY WITH A MIN OF (6) 12d
TOE NAILS,
1. EFFER TO SECTION REWIND OF THE
2018 NORC FOR REGUIRED UPLIFT
RESISTANCE AT RAMERS AND
TRUSSES.

REFER TO NOTES AND DETAIL
SHEETS FOR ADDITIONAL
STRUCTURAL INFORMATION.

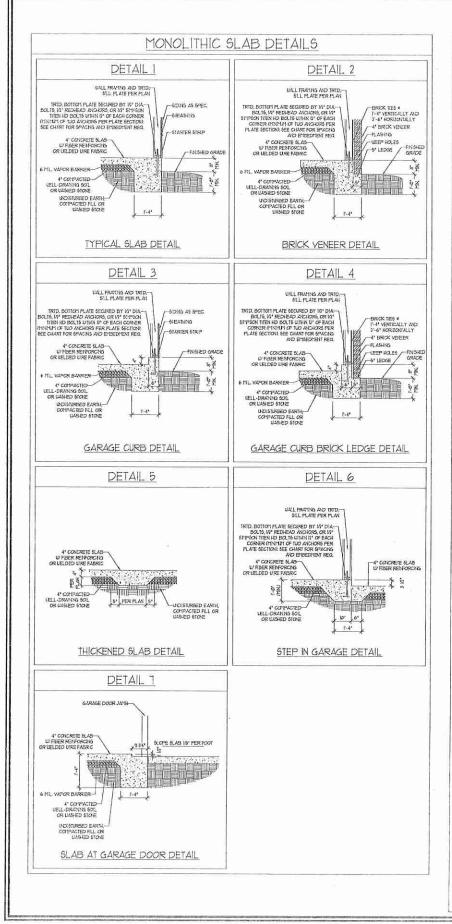
ENGINEERING, INC

FREELANCE - GARAGE RIGHT H & H HOMES

DATE FEBRUARY 22, 2019 DEAWNER DAVIS DEWS DISTOR C

NEERED IN WEB

яны 7 сь 8 S-4a ROOF FRAMING PLAN



STEMWALL DETAILS							
DETAIL I	OPTIONAL DETAIL I						
SLE PLATE FER FLAN  INID. BOTTOT FLATE EXCEPT BY 10' DIA BOLTS OR INSEADE NOOS UNIN P' OF EACH CORNER INSTANT OF TAD ACCURS FER FLATE ECCITOR SEE DIANT FOR 96/20' AND PETELOPIN RO. 4 CONCRETE R. AP. 5 E. 5 E	WAL FRATIS NO TRID.  51. FAME FEW FLAT.  FRID. BOTTOM FLATE GEORGED BY MY DIA- BOLTS OR RICKATED ROOK LIGHT MY OF EGGLICORER MINIST OF FLO ANGUERS FEW FLATE GEORGE FLO ANGUERS FEW FLATE GEORGE FLO ANGUERS FEW FLATE GEORGE FLO ANGUERS AT CONCERE RAD.  AT LEDGE WHERE REPORCHED GREEFE FLORE ANGUERS OF SEET OF FLORE LICKATERIAN GOL OF LUSEDS SIGNED UNDSTANDED EARTH COPPACIED FLL OR UNDSTANDED FLORE COPPACIED FLL OR UNDSTANDED FLORE COPPACIED FLORE CO						
TYPICAL STEM WALL DETAIL (W/ OPTIONAL WATERTABLE)	OPTIONAL STEM WALL DETAIL						
DETAIL 2	DETAIL 3						
ULL FRAME AD IND.  SELP ATERER PLAN  INTO BOTICH PLATE REGRED BY DO DA  BOLDS OR INSUZED ROOS, UNIN BY OF  BACK THE STATE PLAN  FOR PLATE SCIENCIAL REG CHAST FOR  FOR LEDD UNE FASTOR  OR LEDD UNE FASTOR  OR LEDD UNE FASTOR  OR LEDD UNE FASTOR  OR LEDD UNE FASTOR  LACORR USE EVERT  OTHER CORNE  CONTINUED DATE  LACORR USE EVERT  OTHER CORNE  TOP TOD CORNESS OF SITE  UNL NO ALL CELLS OF  RENT TO BE GROWED SOLD.  TOP TOD CORNESS OF SITE  UNL NO ALL CELLS OF  RENT TO BE GROWED SOLD.	WILL RAYES AND TRID.  STITL BOTTON PLANE ECORED BY MY DIA- BOLD FOR THEADER POOR JUNK IN OF EACH CORRESS OF THE ADMINISTRATION OF THE ALL SCHOOL OF THE ADMINISTRATION OF THE ALL SCHOOL OF THE ADMINISTRATION OF THE ALL SCHOOL OF						
TYPICAL STEM WALL FND, W/ BRICK DETAIL	TYPICAL STEM WALL FND. DETAIL W/ CURB @ GARAGE						
OPTIONAL DETAIL 3	DETAIL 4						
3 x 6 UAL FRANKS AD TRID.  51. K 6 HA TRID BOTTON FLATE FRANKS  13 x 6 HA TRID BOTTON FLATE FRANKS  10 JUL BOLLS OR TREACASD DOD URIND IT  OF EACH COORER INSTANT OF TO MODIFIES  FER FLATE SCITION SEE CHART FOR  FER FLATE SCITION SEE CHART FOR  FER FLATE SCITION SEE CHART FOR  OF THE COORER FLATE SCITION SEE  AT COCKNETS SLAD  DEVINSION  ON SELECTION SEE FLATE  AT COPPACIENT  ON SELECTION SEE FLATE  AT COPPACIENT  ON SELECTION SEE  AT COPPACIENT  ON SELECTION SEE  ON	ULL FRANCIS AND TRID  61. PLATE FERR AN  INTO, BOTTOM PLATE GEORED BY MY DIA  BOL TO ON THE ACCESSED BY DIA POLICY BOL TO ON THE PLATE GEOREM BY AND THE PLATE GEOREM GEOREM FOR ACCESSED BY AND AND THE PLATE GEOREM FOR CONTRACT OF THE PLATE GEOREM FOR ACCESSED BY AND AND THE PLATE GEOREM FOR ACCESSED BY AND						
OPTIONAL STEM WALL FND. DETAIL W/ CURB @ GARAGE	TYPICAL STEM WALL FND. DETAIL W BRICK AND CURB © GARAGE						
	DETAIL 8						
	NSIDE EDGE OF WI ANCHOR ROD  MASONRY STEMBALL  LADDER WIRE FER DETAIL  BEACH MASONRY  OUTSIDE EDGE OF BRICK AND  STICK FRAMED WALL ABOVE  NOTCH BRICK & THREADED  ROD AND GROUT SOLID—						

THREADED ROD THROUGH BRICK MASONRY

MASONRY WALL TYPE			
8" CI1U	4" BRICK AND 4" CHI	4" BRICK AND 8" CHJ	ม. ณา
UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
GROUT SOLID	GROUT SOLID u/ "4 REBAR # 48" O.C.	GROUT SOLID	GROUT SOLID U/ 14 REBAR # 64" O.C.
GROJT SOLID u/ 14 REBAR # 36" O.C.	NOT APPLICABLE	GROUT SOLID w/ *4 REBAR # 36° O.C.	GROUT SOLID #/ "A REBAR # 64" O.C.
GROUT SOLID U/ 14 REBAR # 24" O.C.	NOT AFFILICABLE	GROUT SOLID 11/ 14 REBAR # 241 O.C.	GROUT SOLID #/ 14 REBAR # 64* O.C.
	5" CAU  UNGROUTED  UNGROUTED  GROUT SOLID  GROUT SOLID W' 4" REBAR 6 36" OC. GROUT SOLID W 4"	8" CAU 4" ERICK AND 4" CAU UNGROUTED GROUT SOLID UNGROUTED GROUT SOLID of "4 REBAR # 48" OC. GROUT SOLID of "4 REBAR # 36" OC.	8" C/10 4" BRICK AND 4" 4" BRICK AND 6" C/10  UNSROUTED GROUT SOLID UNSROUTED  UNSROUTED GROUT SOLID UNSROUTED  GROUT SOLID UT 4" REBAR # 48" OC.  GROUT SOLID UT 4" NOT APPLICABLE GROUT SOLID UT 4" REBAR # 36" OC.  GROUT SOLID UT 4" NOT APPLICABLE GROUT SOLID UT 4" NEBAR # 36" OC.  GROUT SOLID UT 4" NOT APPLICABLE GROUT SOLID UT 4" NEBAR # 36" OC.  GROUT SOLID UT 4" NOT APPLICABLE GROUT SOLID

#### STRUCTURAL NOTES:

- DIMENTAL NOTES.

  L WALL HEIGHT PEASURED FROM TOP OF POOTING TO TOP OF THE WALL.

  THE MULTIPLE WITHES TOGETHER WITH LADDER WIRE AT 16° OC. VERTICALLY.

  G. CHART APPLICABLE POR HOUSE FOUNDATION (28), 7 CONSULT BYSINEER FOR DESIGN OF GARAGE FOUNDATION NOT COTYCN TO HOUSE.

  B. BACKPILL OF LEAR 15° 16° THE MED STOKE IS ALLOWABLE.

  B. BACKPILL OF LEAL DRAINED OR SAND GRAVEL HINTINGS SOILS (45 PSFAT BELOW GRADE) CLASSIFIED AS GROW! TA ECOPONIA TO WINED SOILS CLASSIFICATION STSTEM IN ACCORDANCE WITH TABLE RISED! OF THE 10°S INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

  B. PREP S.AS PER PSGED! AND DESCENS BASE OF THE 20°S NIETNATIONAL RESIDENTIAL CODE. HINMAN 24° LAP SPLICE LENGTH.

  L. COCATE REBAR IN CENTURE OF FONDATION WALL.

  B. WEIRER RECURED, FILL BLOCK SOILD WITH TYPE 'S' MORTAR OR 30°00 PSI GROWT. USE OF 'LOW LIFT GROUTNS' HETHOD REQUIRED WEN FILLING WALLS WITH GROWT AT HEIGHTS OF 5° NO GREATER.

ANCHOR SPACING AND EMBEDMENT				
WIND ZONE	120 MPH	BØ MPH		
SPACING	6'-0' O.C.	4'-0" O.C.		
EMBEDMENT	15	5" INTO MASONRY 1" INTO CONCRETE		

WIND 120 MPH - 130

DATE: NOVEMBER 14, 2015 DRAWS/ BY, IST ENGINEERED BY, IES

D-1 FOUNDATION DETAILS

ERNEST

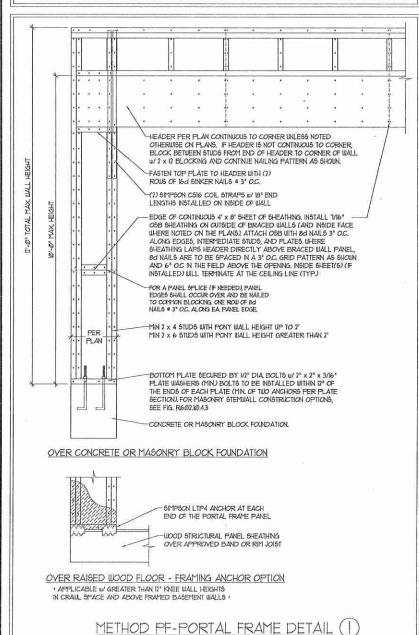
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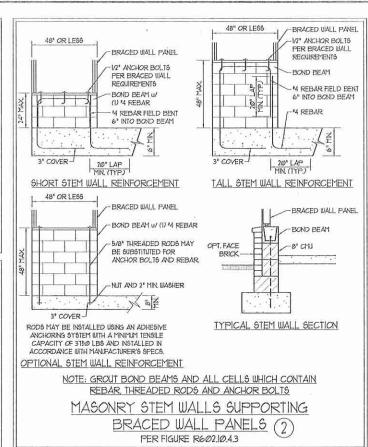
O Z S 0 CERING. S. H. ENGINE 606 WADE AVE. SUIT PHONE. (919789-

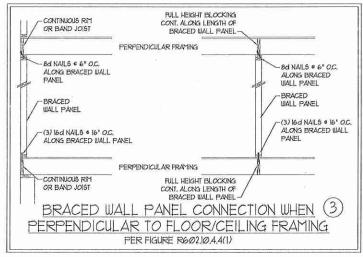
> SPEED MPH ULTIMATE DESIGN FOUNDATION DETAILS

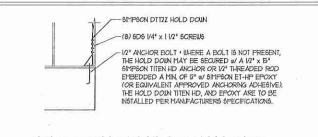
## GENERAL WALL BRACING NOTES:

- WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NORG). TABLES AND FIGURES REFERENCED ARE FROM THE 2010 NORC. SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2010 NORC FOR ADDITIONAL INFORMATION AS NEEDED.
- BRACED EXTERIOR WALLS SUPPORTING ROOF TRUSSES AND RAFTERS, NOLUDING STORIES BELOW THE TOP FLOOR HAVE BEEN DESIGNED FER R60235 (3), WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLIET AND SHEAR FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERED PRACTICE.
- SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS DIMENSIONS HOLD DOWN TYPE AND LOCATIONS BRACED WALL LINE KEY WITH WALL DESIGN SUMMARY OF REQUIRED/PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES
- 5. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-USP IN ACCORDANCE WITH SECTION R60210.3 UNLESS NOTED 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 R6/02/01
- CS-USP REFERS TO THE "CONTINUOUS SHEATHING" WOOD STRUCTURAL PANELS" WALL BRACING METHOD. THIS "OSB SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED W/ 6d COMMON NAILS OR 8d (? 1/7" LONG X Ø115" DIAMETER) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (UND.). 8. GB REFERS TO THE "GYPSUM BOARD" WALL BRACING METHOD, IZ" (MIN) GYPSUM WALL BOARD IS TO BE INSTALLED ON
- BOTH SIDES OF THE BRACED WALL FASTENED WITH I 1/4" SCREWS OR 15/8" NAILS SPACED 1" O.C. ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (UN.O.), VERIFY ALL FASTENER OPTIONS FOR IZ!" AND 5/8" GYPSUM PRIOR TO CONSTRICTION. 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 R607, 103, METHOD CS-USP CONTRIBUTES ITS ACTUAL LENGTH, METHOD GB CONTRIBUTES 5 ITS ACTUAL LENGTH, AND METHOD FF CONTRIBUTES IS TIMES ITS ACTUAL LENGTH.









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

TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING (5) PER FIGURE R602.10.3(5) MIN 24" WOOD STRUCTURAL SEE TABLE R6003(1) ANFL AN 8000 LB HOLD DOWN FOR FASTENING DEVICE MAY BE INSTALLED IN ORIENTATION OF STUD MAY VARY, SEE FIGURE R6023(2) 16d NAIL (3 1/2" x Ø.131") GYPSIM WALL BOARD AS REQUIRED AND INSTALLED IN ACCORDANCE WITH CHAPTER 1 (TYP.) OPTIONAL NON-STRUCTURAL - CONTINUOUS WOOD STRUCTURA FILLER PAYEL -PANEL BRACED WALL LINE (a) OUTSIDE CORNER DETAIL (5a) ORIENTATION OF STUD MAY VARY, SEE FIGURE R6023(2 16d NAIL (3 1/2" x Ø.131") - CONTINUOUS WOOD STRUCTURA PANEL BRACED WALL LINE SEE TABLE R6023(1) GYPSIM IIIAH POARO AS FOR FASTENING REGUIRED AND INSTALLED -MIN 24" IIDOO STRUCTURAL PANEL IN ACCORDANCE WITH CORNER RETURN AN 800 LB HOLD DOWN DEVICE MAY BE INSTALLED CHAPTER 1 (TYP) IN LIEU OF CORNER RETURN (b) INSIDE CORNER DETAIL (56) GYPSUM WALLBOARD AS REQUIRED - SEE TABLE R6@23(I) AND INSTALLED IN ACCORDANCE (2 ROUS @ 24" O.C. MIN. 24" WOOD STRUCTURAL SHEATHING FER PLAN PANEL CORNER RETURN AN 800 LB HOLD DOWN DEVICE OF CORNER RETURN CONTINUOUS WOOD FASTENERS ON EACH STUD (5c) STRUCTURAL PANE (c) GARAGE DOOR CORNER DETAIL (SEE PLAN FOR ADDITIONAL

STRUCTURAL INFORMATION OR ALTERNATE CONFIGURATIONS)

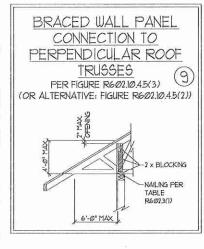
SCALE NOTE: LARGE FORMAT PRINTS ARE TO SCALE AS NOTED II" x IT" PRINTS ARE ONE HALF THE NOTED SCALE KING STUDS BETWEEN GARAGE HEADERS FER FLAN GARAGE HEADER FER PLAN YERTICAL STRAPS PER PORTAL FRAME DETAIL NSIDE FACE OF BEAM TO TH HEADERS TOGETHER JACK STUDS SUPPORTING PORTAL FRAME CONNECTION DETAIL BETWEEN GARAGE DOOR HEADERS REFERENCE PORTAL FRAME DETAIL FOR ALL OTHER PORTAL FRAME INFORMATION BRACED WALL PANEL (8)

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CONNECTION TO PERPENDICULAR RAFTERS PER FIGURE R6@2.1@.4.5(1) SOLID BLOCKING BETWEEN RAFTERS OR TRUSSES ATTACHED TO TOP PLATES WITH 8d NAILS 6" O.C. ALONG LENGTH OF BRACED WALL PANFI

BRACED WALL PANEL CONNECTION WHEN PARALLEL TO FLOOR/CEILING FRAMING PER FIG. R602.10.4.4(2) FULL HEIGHT BLOCKING & 16" O.C., ALONG LENGTH OF ADDITIONAL FRAMING BRACED WALL PANEL - CONTINUOUS RIM OR BAND JOIST BRACED WALL PANEL - 8d NAILS @ 6" O.C. ALONG TOF NAIL (3) 84 NAILS AT - BE NAILS & 6" O.C. ALONS EA. BLOCKING MEMBER BRACED WALL PANEL BRACED WALL PANEL -BRACED WALL PANEL BRACED WALL PANEL - BRACED WALL PANEL -(3) 16d NAILS • 16" O.C. AT EA BLOCKING -(3) led NAII 5 e 16" OC (3) 16d NAILS . 16" OC. ALONG BRACED WALL PANEL ALONG BRACED WALL PANEL (2) led NAILS EA SIDE ADDITIONAL FRAMING -RULL HEIGHT BLOCKING & IOUS RIM W/ FINGER MEMBER DIRECTLY BELOW 16" OC ALONG LENGTH OF JOISTS OR DBL. BAND JOIST



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D-2 BRACED WALL NOTES AND DETAILS AND PF DETAILS

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SCALE NOTE:

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

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S-0 STRUCTURAL NOTES

#### GENERAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRICTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF, ENGINEER'S SEAL DOES NOT APPLY TO 1-JOIST OR FLOOR/ROOF TRUSS AYOUT 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 MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY FRECAUTIONS 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.T)

DESIGN CRITERIA	LIVE LOAD (PSF)	DEAD L	.OAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	10		L.0.40 (L.060 w/ BRITTLE FINISHER
ATTIC WITHOUT STORAGE	10	10	*)	L/36Ø
DECKS	40	10		L/36Ø
EXTERIOR BALCONES	40	10		L/36Ø
FIRE ESCAPES	40	10		L/360
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10		L/360
PASSENGER VEHICLE GARAGE	50	10		L/360
ROOMS OTHER THAN SLEEPING ROOM	40	10		L/36Ø
SLEEPING ROOMS	3Ø	10		L/360
STAIRS	40	10		L/360
WIND LOAD	(BASED ON TABLE R3@12(4) WIND ZONE AND EXPOSUR		AND EXPOSURE)	
GROUND SNOW LOAD: Pa	2Ø (PSF)			
Chemical Control of Control Co				

- 1-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/4800
- 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 NORG, 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, 2019 EDITION.

#### FOOTING AND FOUNDATION NOTES

- I. FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF, CONTACT GEOTECHNICAL ENGINEER IF BEARING
- 2. FOR ALL CONCRETE SLABS AND FOOTINGS, THE AREA WITHIN THE PERIMETER OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP SOIL AND FOREIGN MATERIAL REMOVED. FILL MATERIAL SHALL BE FREE OF YEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO ASSURE UNFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NOT EXCEED 24' FOR CLEAN SAND OR GRAVEL. A 4" THICK BASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON WELL-DRANED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS
- 3. PROPERLY DEWATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE SLAB IS AT OR BELOW WATER TABLE. IF AFPLICABLE, 3/4" - I' DEEP CONTROL JOINTS ARE TO BE SAMED WITHIN 4 TO 12 HOURS OF CONCRETE FRISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
- 4. CONCRETE SHALL CONFORM TO SECTION R4022 OF THE NORC, 2010 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60, WELDED WIRE FABRIC TO BE ASTM A185, MAINTAIN A MINIMAL CONCRETE COVER AROUND REINFORCING STEEL OF 3\* IN FOOTINGS AND 1 1/2\* IN SLABS. FOR POURED CONCRETE WALLS CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 1 1/2" FOR "5 BARS OR SMALLER, AND NOT LESS THAN 2" FOR "6 BARS OR LARGER.
- 5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402, MORTAR SHALL CONFORM
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR WELLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR 5 MORTAR PIERS AND WALLS SHALL BE CAPPED WITH 8" OF SOLID MASONRY
- 1. THE CENTER OF EACH OF THE PIERS SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING, EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS
- 8. ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OF THE NCRC, 2018 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NCMA TR68-A OR ACE 530/ASCE 5/TMS 402, MASONRY FOUNDATION WALLS ARE TO BE REINFORCED FER TABLE RADAJIKI), RADAJIKI), RADAJIKI), OR RADAJIKA) OF THE NCRC, 2010 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED FER TABLE R4Ø4.1/(5) OF THE NCRC, 2018 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT 16" O.C. WHERE GRADE PERMITS (UNO).

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#### FRAMING NOTES

- L ALL FRAMING LUMBER SHALL BE 12 SPF MINIMUM (Fb. = 815 PS), FV = 315 PS), F = 16000000 PS)) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE 12 SYP MINIMUM (FIG. = 9/15 PS), FV =175 PS), E = 16,000000 PSI) UNLESS NOTED OTHERWISE (UNO),
- LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Ho =2600 PSI, Fv = 285 PSI, E = 1900000 PSI. LAMINATED STRAND LUMBER (LSL.) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Ho = 2925 PSL Ev = 310 PSL E = 1550000 PSL 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 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES; FG = 2900 PSI, E = 20000000 PSI. NSTALL ALL CONNECTIONS FER 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 HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE B STEEL PIPE: ASTM A53, GRADE B, TYPE E OR S

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

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

LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE FOR 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) ROUG OF SELF TAPPING SCREUG @ 16" O.C. OR (2) ROUG OF 1/2" DIAMETER BOLTS # 16" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED W/ (2) ROWS OF 9/16" DIAPETER

- 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 R602.1(1) AND R602.1(2) OF THE NORC. 2018 EDITION OR BE (2) 2 x 6 WITH (1) JACK AND (1) KING STUD EACH END (UNO), WHICHEVER IS GREATER ALL HEADERS TO BE SECURED TO EACH JACK STUD WITH (4) 8d NAILS. ALL BEAMS TO BE SUPPORTED WITH (2) STUDS AT EACH BEARING POINT (UNO), INSTALL KING STUDS 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 FULLY ON (1) JACK OR (2) STUDS MINIMUM OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL, AND SUPPORTED BY (3) STUDS OR LESS ARE TO HAVE I I/O\* MINIMIM BEARING (UNO), ALL BEAMS OR GIRDER TRUSSES PERFENDICULAR 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 NTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO)
- 8. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A2/01) 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 COME! JANCE 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 JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUBSES OR 1-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 5/16" STEEL ANGLE WITH 6" MINIDUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (UNO), FOR ALL HEADERS 8'-Ø" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH  $1/3^{\circ}$  LAG SCREWS AT  $12^{\circ}$  O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A  $6^{\circ}$  x  $4^{\circ}$  x  $5/16^{\circ}$  STEEL ANSLE TO (2) 2 x  $10^{\circ}$  BLOCKING INSTALLED w/ (4)  $12^{\circ}$  NAILS EA PLY BETWEEN WALL STUDS WITH (2) ROUS OF  $1/2^{\circ}$  LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION R10382.1 OF THE NCRC, 2018 EDITION
- 13. FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-0", FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS
- 14 FOR TRIBASED BOOSES FRAME DORMER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" OC DETWEEN ADJACENT ROOF TRIBASES STICK FRAME OVER-FRAMED ROOF SECTIONS WITH 2 x 8 RIDGES, 2 x 6 RAFTERS AT 16" O.C. AND FLAT 2 x 10 VALLEYS (UNO).
- IS. 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 HG OR LTSIZ UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST, ONE 16" SECTION OF SIMPSON CS16 COIL STRAPPING WITH (8) 8d HDG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIST STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE SIMPSON POST BASE.

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