PRELUDE H&H HOMES - GARAGE RIGHT

PLAN REVISIONS

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

II-16-17 MIRRORED PLANS TO CREATE LEFT HAND GARAGE VERSION.

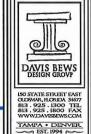
09-21-18 STANDARO CLIENT CHANGES PER CLIENT WALK-THRU NOTES DATED 08-30-18, CHANGES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: REMOVE OPT, LAUNDRY TUB, REMOVE KITCHEN ISLAND KNEEWALLS, CHANGE KITCHEN ISLAND COUNTER TOP TO HAVE 12" OVERHAYSS, REMOVE OHC. ABOVE FRIDGE, ADD PLUMBING DROP UNDER CABINET, REMOVE GARAGE SERVICE DOORS, REMOVE OPT. RAILING AT STAIRS, REVISE ALL SECONDARY CLOSETS AND LINENS TO HAVE BI-FOLD DOORS, REVISE OPT. E-CENTER TO HAVE IS* DRAWER BANK EACH SIDE WITH 32* KNEE SPACE WITH 2 USB CUTLETS, REMOVE WINDOW GRIDS AT SIDES AND REAR ELEVATIONS, CHANGE ALL GARAGE DOORS TO 16 PANEL DOORS, REVISE DATA DROPS TO BE I PHONE IN KITCHEN AND I T.V. IN OUNERS SUITE AND GATHERING ROOM CALLY, REMOVE COVERED PORCH OPTION, REVISE KITCHEN LIGHTING TO BE 4-BULB FLUORESCENT LIGHT.

> PLAN SPECIFIC CHANGES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: REMOVE OPT, WINDOW AT BACK WALL OF GATHERING ROOM, REMOVE OPT, WINDOW AT STAIRS IN GATHERING ROOM, SHIFT (2) WINDOWS AT BACK WALL OF GATHERING ROOM TO 2'-0" FROM EACH END OF ROOM, MAKE CLOSET IN PUDR BATH WIDTH OF ROOM, PUT DOOR FACING TOILET, ADD DROPPED SOFFIT AT END OF HALL AT FOYER SHIFT STAIRS FORWARD TO CORNER OPT, TREAD FOR 9'-0" CLG WILL RELOCATE TO BOTTOM OF STAIR, MAKE WALL AT REF. A 2x6 WALL TO ALLOW FOR PLUMBING DROP, SHIFT 5GD. AND PATIO TO ALLOW FOR FLOORING BREAK TO ALIGN FROM CORNER, MAKE OPT. WINDOW AT KITCHEN STANDARD, FLIP BEDROOM 2 CLOSET AND OWNER'S BATH TOILET, MOVE OWNERS'S BATH VANITY TO REAR WALL AND REMOVE WINDOW, SHIFT DEAD SPACE AT TOP OF STAIR INTO W.J.C., MOVE CUNERS'S SUITE ENTRY DOOR DOWN TO W.J.C. WALL ALLOWING 6" ON EACH SIDE, MOVE FLOOR ACCORDINGLY TO REFLECT THIS CHANGE - THIS WILL ALLOW MORE HEAD ROOM BELOW WITH ADDING ADDITIONAL STEPS BELOW, REMOVE OPT. WINDOW AT OWNERS SUITE, REMOVE OPT. WINDOW AT LOFT, REMOVE OPT, WINDOW AT BEDROOM 3, REMOVE OPT, WINDOW AT BEDROOM 2. REMOVE OPT. WINDOW AT BATH 3, REMOVE OPT. CABINETS AT LAUNDRY, MAKE HALL CLOSET DEEPER, MAKE (1) 30" ONE BOUL VANITY STANDARD AT BATH 3 AND MOVE TO EXTERIOR CORNER, MAKE 60" DOUBLE BOUL VANITY STANDARD WITH BEDROOM 4 OPT.

ELEVATION "A" - CHANGE GABLE AT MAIN ROOF TO HAVE FLUSH OVERHANGS ON EACH SIDE, CHANGE OPT, GARAGE TO GABLE WITH A FLUSH OVERHANG. ELEVATION "C" - CHANGE HIP AT REAR OF HOUSE TO GABLE WITH 8" OVERHANG, CHANGE OPT. GARAGE TO GABLE WITH A FLUSH OVERHANG.

42000





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

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ISSUAVE OF FLANS FROM THIS DRAFTERS OFFICE SHALL NOT RELIEVE THE BULDER OF RESPONSIBILITY TO REVIEW AND VERRY ALL NOTES, DYENSIONS, AND ADVERBURE TO APPLICABLE BULDN'S COORS FROM TO COPTENCEFOR OF ANY CONSTRUCTION.

ANY DISCORPANCY OF ERROR NOTES, DYENSION, OR ADVERBURE TO APPLICABLE BULDN'S COORS SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE COPTENCEFOR OF ANY CONSTRUCTION.

ANY REVISIONS OR CHARLES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE HADE AFTER FRAIL PLANS HAVE DEED COPTENED SHALL BE SUBJECT TO ADDITIONAL FEES.

FAILY DOCKLARION ARE THESE TO THE THE FLANS BY ANY OTHER PRATY OTHER THAN THE DRAFTERS OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.

ISSUANCE OF PLANS FROM THIS DRAFTER'S CHICE SHALL NOT RELIEVE THE BUILDER OF REPORTABILITY TO REVIEW AND VEREFY ALL NOTES, DYENSIONS, AND ACHERENCE TO APPLICABLE BUILDING CODES PRIOR TO COTENIZE THE WHITE ANY DISCREPANCY OF ERROR NOTES, DIFFERIORS, OR ADDRESSED OF APPLICABLE BUILDING CODES SHALL BE BROWNED TO THE ATTENTION OF THE DRAFTER'S CHICE FOR CORRECTION BEFORE COTENIZETION OF ANY CODISSIDERIOR OF ANY CONSTRUCTION.

ANY REMINIOR OR CHARGE NOT RELIED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COMPLETED SHALL BE SUBJECT TO ADDITIONAL FIES. FAILT MODERATIONS ARE MADE THOSE THAT FINAL PLANS HAVE BEEN COMPLETED SHALL BE SUBJECT TO ADDITIONAL FIES. FAILT MODERATIONS ARE MADE TO THESE PLANS BY ANY OTHER THAT THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.





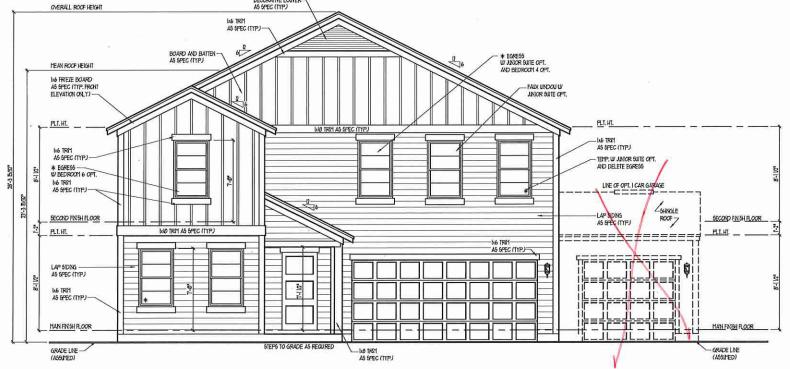


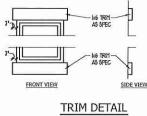
HOMES PRELUDE H&H

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FRONT ELEVATION DETAILS

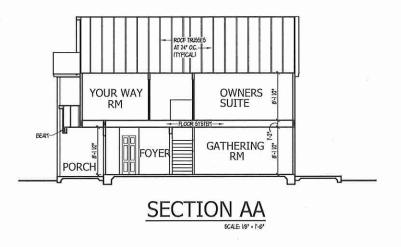
ELEVATION "C" - MODERN GARAGE RIGHT

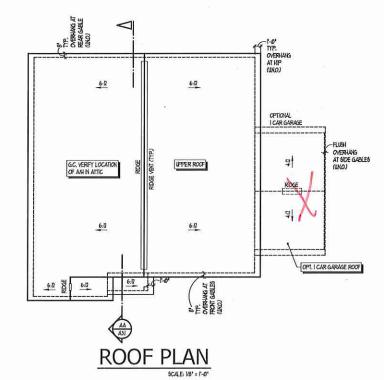




SCALE: NTS

FRONT ELEVATION SCRE V4+1-0"



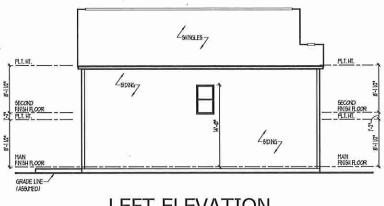


	TI .	MAIN ROOF	OPT. 1 CAR GARAGE
ATTIC AREA		(451 50. FT.	220 60.FT.
NET FREE VENT, AREA REQ'D (AREADOO)		693 5Q N	106 50, IN
NET FREE VENT. AREA REQUIRED	NEAR ROSE	350 5Q N	53 5Q, N
	NEAR SOFFIT	350 50. N	53 5Q, N

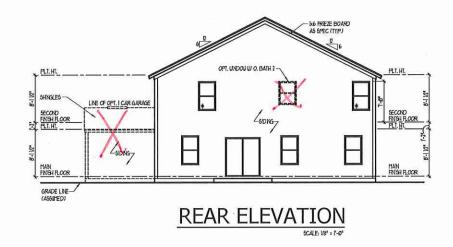
ISSUACE OF PLAYS FROM THIS DRAFTERS OFFICE SHALL NOT RELEVE THE BULDER OF RESPONSIBILITY TO REVEU AND VERRIF ALL NOTES, DYENSIONS, AND ACHERINGE TO APPLICABLE BULDING CODES FROM TO CONTENCE THO FAT NOTES, DYENSIONS, OR ACHERINGE TO APPLICABLE BULDING CODES SHALL BE BRADWING TO THE ATTENTION OF THE DRAFTERS OFFICE FOR CORRECTION BEFORE CONTENCED OF ANY CONSTRUCTION.

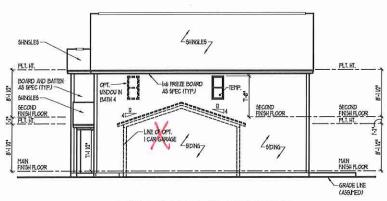
ANY REVISIONS OR CHAYEES, NOT RELATED TO THE CORRECTION OF FROMES THAT ARE MADE AFTER THAT I FALL HAVE BEEN CONTENTED SHALL BE SUBJECT TO ADDITIONAL FIELS.

FAIT MODERATIONS ARE NOTED TO THE EVER PLAYS OF THE THAY THAT THE DRAFTERS OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.



LEFT ELEVATION SCALE 109' 1-0'





RIGHT ELEVATION



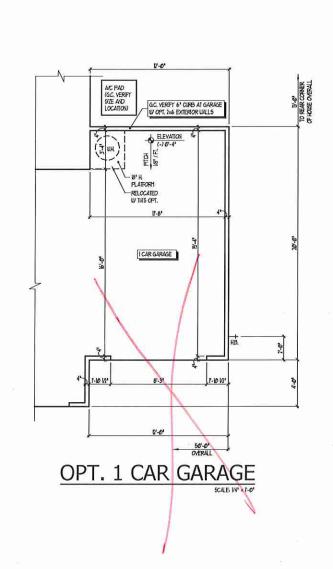


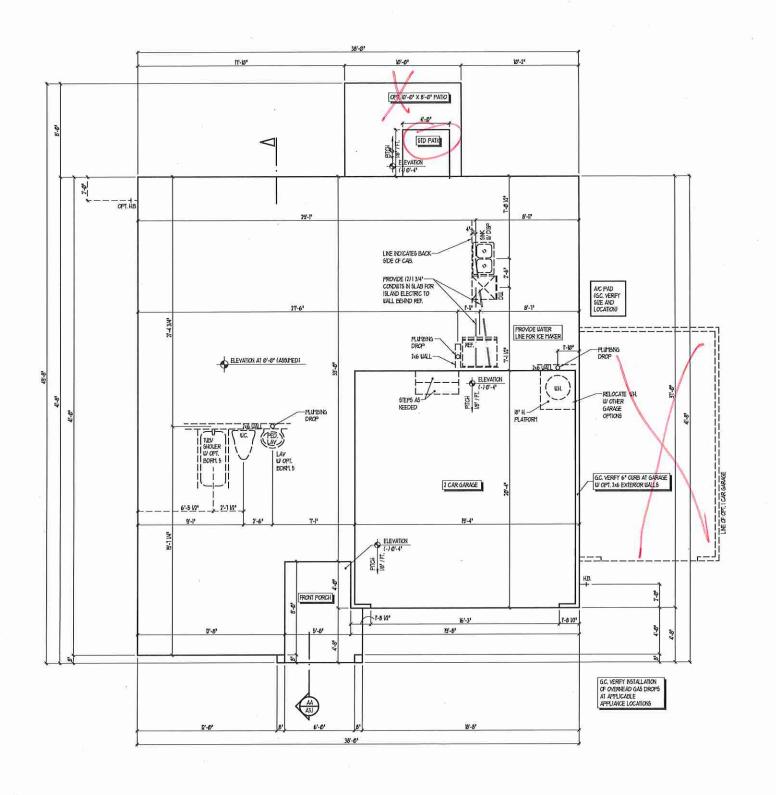
HOMES PRELUDE H&H

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ELEVATION "C" - MODERN GARAGE RIGHT





ISSUACE OF PLAS FROM THIS DRAFTERS OFFICE SHALL NOT RELEVE THE BUILDER OF REPORTSBULLY TO REVEN AND VERRY ALL NOTES, DYENSIONS, AND ACHERENCE TO APPLICABLE BUILDING CODES FROM TO COTENCE FOR OF ANY CONSTRUCTION.

ANY DISCREPANCY OF BROWN INDES, DYENSIONS, OR ACHERENCE TO APPLICABLE BUILDING CODES SHALL BE PROUNT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE COTENCEFOR OF ANY CONSTRUCTION.

ANY REMSKINS OR CHARLES, NOT RELIBED TO THE CORRECTION OF ERRORS THAT ARE THOSE AFTER THE RIVAL PLASS HAVE BEEN CONFLICIED SHALL BE SUBJECT TO ACCOMPANY. HES. IF ANY THOSPICATIONS ARE HAVE TO THESE PLASS BY ANY OTHER PRAYTY OTHER THAN THE DRAFTERS OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.





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SLAB INTERFACE PLAN

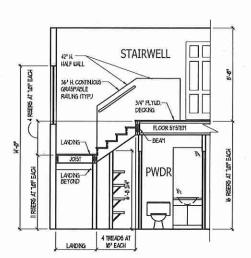
GARAGE RIGHT

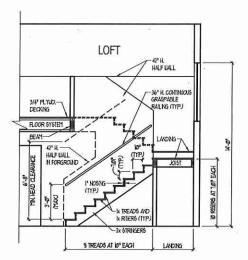
* * * * * * * STAIR NOTES: RALING BALUSTERS SHALL BE SPACED SO THAT A 4" SPIERE CANNOT PASS THROUGH THE TRANSLLAR OPENING FORTED BY THE RISER TREAD AND BOTTOM RAIL OF A GUARD AT THE OPEN SIDE OF A STARBLAY ARE PERMITTED TO BE A SUCH A SIZE THAT A SPHERE OF 6 INCHES CANNOT PASS THROUGH

OFFINAS FOR REQUEED GUARDS ON THE SIDES OF STAIR TREADS SHALL NOT ALLOUIA SPIERE 4.3/8 INCHES TO PASS THROUGH

HANDRALS HANDRALS FOR STARBLAYS SHALL BE CONTINUOUS FOR THE FILL LEBGTH OF THE FLIGHT, RROYL A POINT DIRECTLY. ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOUSE FRIESE HANDRAL BODS SHALL BE RETHINGED OR SHALL TREFINATE IN NEUEL POSTS OR SAFETY TERMINALS. HANDRALS ADJACETT TO A BULL SHALL HAVE A SPACE OF NOT LESS THAN I MY INCH BETWEEN THE BULL AND HANDRALS.

CONTINUOUS GRASPABLE HANDRA'L MUST MEET TYPE ONE OR TYPE TWO CRITERIA * * * * * * *





STAIR SECTION W/ 8'-1" CLG.

ISSUANCE OF PLANS FROM THIS DRAFFER'S OFFICE SHALL NOT RELEVE THE BUILDER OF RESPONSIBILITY TO REVEN AND VERRY ALL NOTES, DYENSIONS, AND ADHERINGE TO APPLICABLE BUILDING CODES FROM TO COTTENCEROTH OF ANY CONSTRUCTION.
ANY DISCREPANCY OF FROM NIVERS, DYENSIONS, OR ADHERINGE OF APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFFER'S OFFICE FOR CORRECTION BEFORE

CONTENCEMENT OF ANY CONSTRUCTION

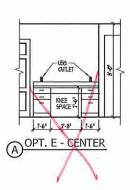
COMPRESEDENT OF ANY CONSTRUCTION.

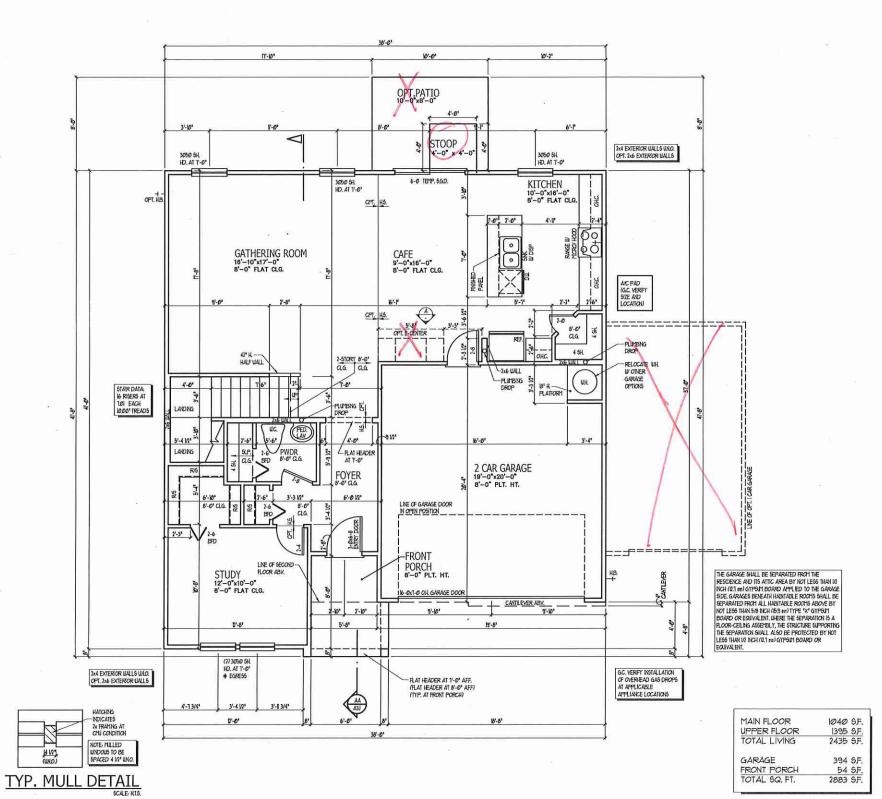
ANY REVISION OF CHAVES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE HADE

AFTER THE FINAL FLASS HAVE BEEN COMPLETED SHALL BE SHARECT TO ADDITIONAL FIELS.

F ANY HODDISCALIDIOS ARE MADE TO THESE THAN SHE WAY OTHER PARTY OTHER THAN THE

DRAFTER'S CIFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.









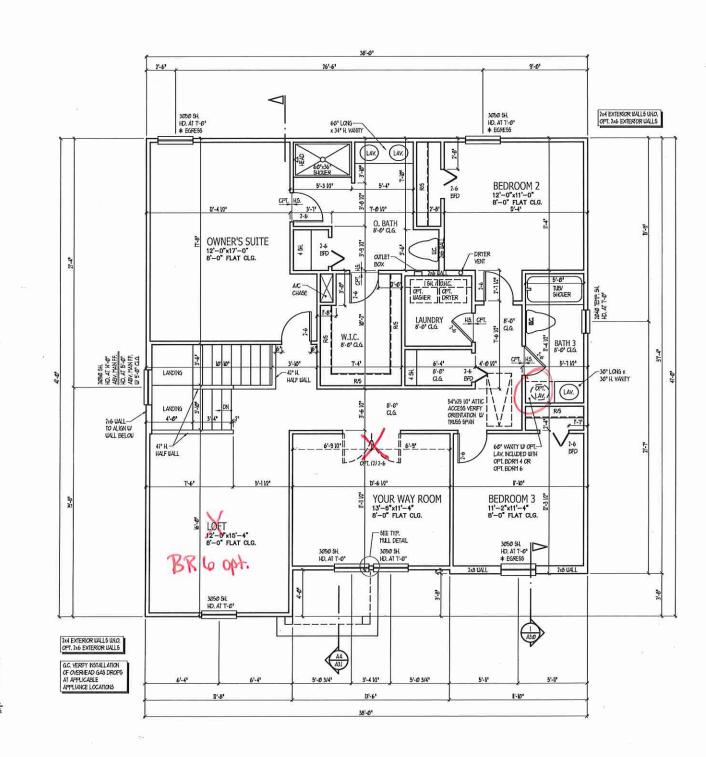


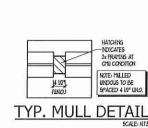
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TITLE MAIN FLOOR PLAN STAIR SECTION

MAIN FLOOR PLAN GARAGE RIGHT





ISSUACE OF FLANS FROM THIS DRAFTERS OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVEU AND VERBY ALL NOTES, DYENSIONS, AND ADHERNICE TO APPLICABLE BUILDING CODES PRIOR TO CONTENCE THE ATMOST CONSTRUCTION.

ANY DISCAPPANCY OF ERROR IN NOTES, DYENSIONS, OR ACHERNICE TO APPLICABLE BUILDING CODES SHALL BE BROWNED TO THE ATTENTION OF THE DRAFTERS OFFICE FOR CORRECTION BEFORE CONTENCED OF ANY CONSTRUCTION.

ANY REVISIONS OF CHAVES, NOT RELIED TO THE CORRECTION OF ERRORS THAT ARE HADE AFTER THE TRUL. FLASS HAVE EBEN COPTLETED SHALL BE SUBJECT TO ADDITIONAL FIES.

FAIT (MODIFICATIONS ARE HADE TO THESE FLASS BY ANY OTHER PARTY OTHER THAN THE DRAFTERS OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.





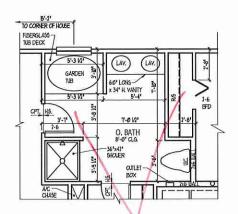
HOMES PRELUDE S T

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TITLE UPPER FLOOR PLAN

UPPER FLOOR PLAN
GARAGE RIGHT





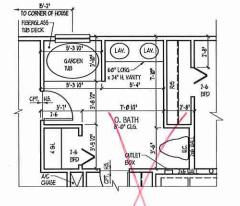
OPT. OWNER'S BATH 2

30° LONG X-30° H VANITY

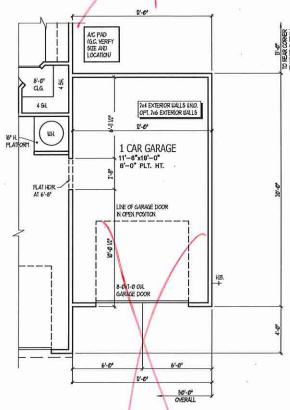
6'-IVI

BATH 4 8'-0' a.g. 3'-112' 1 6'-8'

7-676-8 3050 TE1P. St. 29 HD. AT T-0"







OPT. 1 CAR GARAGE

I CAR GARAGE (+) 240 SF.

REFER TO STANDARD PLAN FOR INFORMATION NOT SHOUN

PLAN OPTIONS GARAGE RIGHT

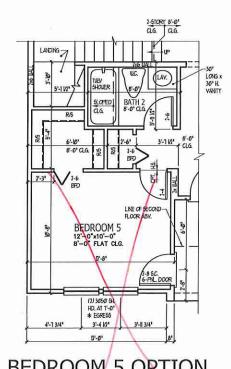


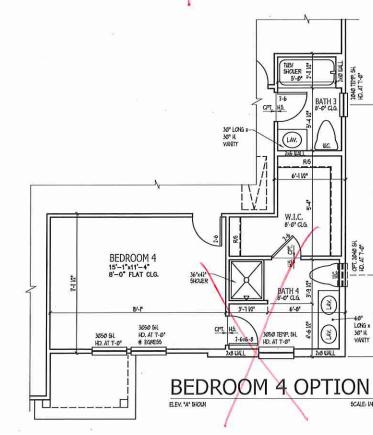


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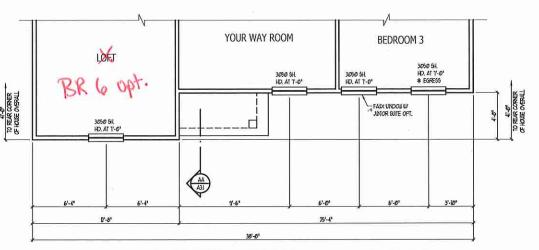
BEDROOM 5 OPTION

ISSUANCE OF FLANS FROM THIS DRAFTER'S OTHICE SHALL NOT RELEVE THE BUILDER OF RESPONSIBILITY TO REVEU AND VERRY ALL NOTES, DYENBOAS, AND ADHERBIXE TO APPLICABLE BUILDING CODES FROM TO COPPENDETHER OF ANY CONSTRUCTION.

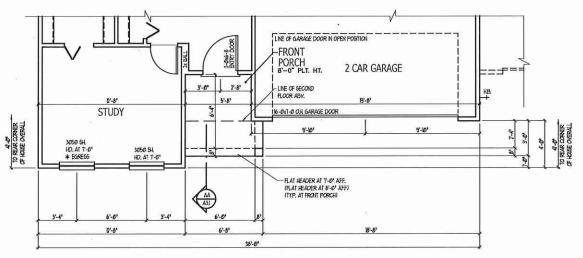
AND DISCOPPANCY OF ERROR IN KINES, DYENSIANS, OR ADHERBIXE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION DEFORE COPPENDETED OF ANY CONSTRUCTION.

ANY REVISIONS OR CHARKES, NOT PELATED TO THE CORRECTION OF ERRORS THAT ARE HADE AFTER THE FRAIL FLANS HAVE BEST COPPLIED SHALL BE SUBJECT TO ADDITIONAL FLES.

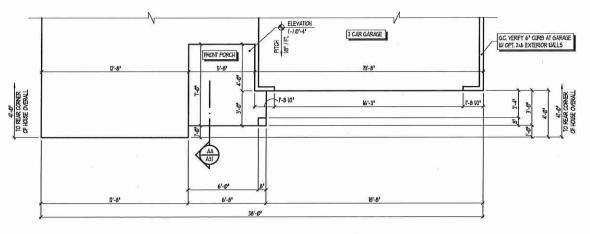
IF ANY MODERATIONS ARE HAVE TO THESE PLANS BY ANY OTHER PRAFTY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.



PARTIAL UPPER FLOOR PLAN SCREW . T.P.



PARTIAL MAIN FLOOR PLAN SCREW 17-07



PARTIAL SLAB INTERFACE PLAN

NOTE: DRAWINGS ON II"XIT" SHEET WILL BE ONE HALF THE SCALE NOTED







PRELUDE H&H

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* TITLE
PARTIAL PLANS
AT ELEVATION "C"

1Ø4Ø SF. 1391 SF. 2431 SF.

394 SF. 43 SF. 2868 SF.

PARTIAL PLANS AT ELEVATION **GARAGE RIGHT**

MAIN FLOOR UPPER FLOOR TOTAL LIVING

GARAGE FRONT PORCH TOTAL SQ. FT.

ISSUAVE OF PLANS FROM THIS DRAFTERS OFFICE SHALL NOT FELEVE THE BULDER OF RESPONSIBILITY TO REVEN AD VERRY ALL MOTES, DYENSIONS, AND ACHERENCE TO APPLICABLE BULDING CODES FROM TO COPTENCE THE OF ANY CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN NOTES DYENSIONS, OR ACKERENCE TO APPLICABLE BULDING CODES SHALL BE ERROWH TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE COPTENCIENT OF ANY CONSTRUCTION.

ANY REVISIONS OR CHARGES, NOT PELLATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE THAL FLANS HAVE BEEN CONFILENDED SHALL BE SECRECT TO ACCORDING. HERS.

FAY THOSPICATIONS ARE HADE TO THESE PLANS BY ANY OTHER PRARTY OTHER THAN THE DRAFTERS OFFICE, THE DRAFTER SHALL BY THE PRARTY OTHER THAN THE DRAFTERS OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.

ELECTRICAL KEY

E DUPLEX COMMINIBUTE CUTLET

puplex aitlet above counter

HEATHERPROOF DUPLEX CUTLET

GROUND FAULT INTERRUPTER DUPLEX CUTLET

HILF-BUTTCHED DUPLEX CUTLET

DUPLEX CUTLET IN FLOOR 200 VOLT CUTLET

MALL BUTTCH

THREE-MAY GUTTCH

FOUR-WAY SHITCH

DITER SUITCH

CEILING HOLNTED INCANDESCENT LIGHT FIXTURE

MALL HOUNTED INCANDEDCENT LIGHT FORTURE

RECEMED INCANDESCENT LIGHT FIXTURE LIGHT FIXTURE UTH FULL CHAN

TRACK LIGHT

HUGGESCENT LIGHT FIXTURE

EXHAUST FAN

EXPURST FAVILIGHT COMBINATION

ELECTRIC DOOR OFFRATOR (OFFICIAL) CHERON (OPTIONAL)

FUSHBUTTON SUTTCH (OPTIONAL) CARBON HONOXIDE DETECTOR

6MOKE DETECTOR

(SIG) 8110KE / CARBON HOND, CONBO DETECTOR

TELEVISION (OPTIONAL)

THERMOSTAT

ELECTRIC HETER

ELECTRIC PANEL DISCONECT BUTCH

EFEAKER (OPTIONAL)

ROUGH IN FOR OPT, CELLING FAN

CELING HONTED INCANDESCENT LIGHT FIXTURE IN ROUGH IN FOR OPT. CELING FAN

NOTES:

1. FROVIDE AND INSTALL <u>GROUND FALLT CINCUIT-NTERRUPTERS</u> (GFL) AS INDICATED ON FLANS OR AS ITEM NO. 4 AND IS BELOW INDICATED.

2. UNLESS OTHERWISE NOKATED, NOTALL SUTCHES AND RECEPTACLES AT THE FOLLOWING HEAVITY ABOVE THINNED ILLOGRAD OF THE CONTROL OF

3. ALL BYCKE DETECTORS GUALL BE HAPDINED NTO AN ELECTRICAL POWER SCURCE AND BUYLL BE EQUIPTED WITH A HONTORED BATTERY BACKUP, PROVIDE AND INSTALL LOCALLY CERTIFED <u>WICKE DETECTORS</u>.

4. ALL BA AND 20A RECEPTACLES IN GLEFFIG ROCKS, FAVILY ROCKS, DINNS ROCKS, LIAMS ROCKS, PARLORS, LEUVIERS, DENS, BURDOCKS, RECREATION ROCKS CLOSETS, MULLINS, AND MILLAR WEAR MULL RECIPE A CORENNANT TIPE AFCL DEVICE AND TAPER-PROCE RECEPTACLES FER NEC. 201 46612 AND 46613

5. ALL BA AND 20A BOY RECEPTACIES LOCATED IN THE GARAGE AND UTILITY ROCH'S SHALL BE GFCL PROTECTED (GF1).

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL BOOK IS NIRLL CONFLANCE WITH HEPA. 10, REC. 201, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

1. EVERY BUILDING HAVING A ROBUL-REL-EURRING HEATER OR APPLIANCE, FREFLACE, OR AN ATTACKED GARACE GHALL HAVE AN OFFERMOND, CARBON KONDODE DETECTOR INSTALLED WITHIN MO HEET OF EACH ROCH WED FOR BLEEPING

A ALAPID WALL RECEIVE THER PRIVATY POWER FROM THE BULDING WANS WERE ASST WASHES WHEN FROM THE LOCAL POWER WILLTY, BUCH ALAPIS WALL HAVE BATTERY BUCHS, COLDWARD WORKSELARSH THANSONE ALAPIS WALL BUE LIMIED OR LABELED BY A NATIONALLY RECORDED TESTING LABORATION.

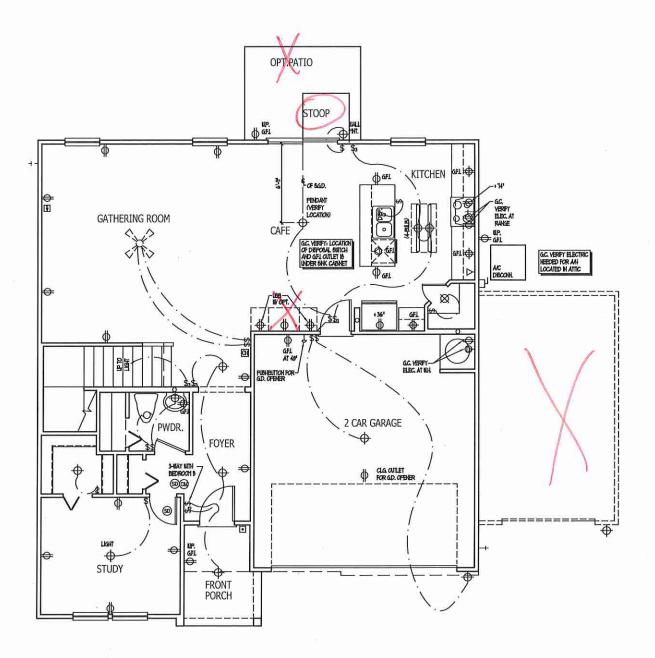
MAJANCE OF FLAND FROM THIS DRAFTER'S CITICE SHALL NOT RELEVE THE BUILDER OF REPORTBULL TO REVEL AND VERREY ALL NOTES, DYENGOIS, AND JAMPERICE TO AFFLICABLE BUILDING COCKES FROM TO COTTENEMENT OF ANY CONSTITUTION.

ANY DISCREPANCY OF FROM NINTER, DYENSAMO, OR JAMPERICE TO AFFLICABLE BUILDING COCKES SHALL BE REQUEST TO THE ATTENTION OF THE DRAFTER'S CITICE FOR CONNECTION BEFORE COTTENEMENT OF ANY CONSTITUTION.

ANY REVISIONS OR CHARLES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE HADE.

AFTER FRAIL FLAND HAVE BEEN COSTLETTED SHALL BE RUBECT TO ADDITIONAL HEAD.

FAIN TROPICATIONS ARE NOW. TO THE THE PROPRIET FAITY OTHER THAN THE PRAFTY OTHER THAN THA









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MAIN FLOOR ELECTRICAL PLAN

GARAGE RIGHT

ELECTRICAL KEY DUPLEX COMPNIBICE CUTLET DUFLEX OUTLET ABOVE COUNTER HE LEATHERFROOF DUPLEX CUTLET GROUND FALLT MIERRUPIER DUPLEX CUILET HILF-BUTGED DUFLEX GUTLET HO OPECUL PURPOSE CUTLET DUPLEX OUTLET IN FLOOR 220 VOLT CUILET THREE-BAY BUTCH FOUR-MAY BUTCH \$D DITHER BUTCH WALL HOWITED INCANDESCENT LIGHT FIXTURE RECEMED INCANDESCENT LIGHT FOXURE LIGHT FIXTURE WITH FULL CHAIN TRACK LIGHT HUOREXCENT LIGHT FIXTURE O EXHAUST FAN EXHABIT FAVLUSHT COMBINATION CHIMES (OPTIONAL) PUBLISHED OF SUITCH (OPTIONAL) CARBON HONOXIDE DETECTOR BHOKE DETECTOR (S)(S) BHOKE / CARBON HOND, COMBO DETECTOR H TELEFHORE (OPTIONAL) Ð TELEVISION (OPTIONAL) THERMOSTAT ELECTRIC HETER ELECTRIC PAREL _ DISCONNECT SHITCH

NOTES:

1. PROVIDE AND INSTALL GROUND FALL CROUT-INTERRAPTERS (GEL) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND IS BELOW INDICATED.

CELING HONTED INCANDERCENT LIGHT FORTURE IV

BPEAKER (OPTIONAL) HOUSE IN FOR OPT, CELLING FAN

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

3. ALL GYCKE DETECTORS GHALL BE HARDARED INTO AN ELECTRICAL FORER CORCE AND SHALL BE EASTFED WITH A HARTCRED BATTERY BACKUP, PROYDE AND INSTALL LOCALLY CERTIFIED GYCKE DETECTORS.

4. ALL BA AND 16A RECEPTACLES IN BLEFFNG ROCHS, FAMILY ROCHS, DANNIG ROCHS, LIMAS ROCHS, PARLORS, LERANCES, DEBA, GURCOCHS, RECREATION ROCHS CLOSETS, MULLINA, AND MAILAR ARESI BLE, RESIDEA, COLTEMANTAL TYPE AFEL DEVICE AND TAMEER-PROCE RECEPTACLES FERRICE. 101 466 D. AND 466 D.

B. ALL BA AND YAR BOY RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROCH'S SHALL BE GECL PROTECTED (GEL).

6. IT IS THE REPROBBILITY OF THE LICENSED ELECTRICIAN TO BIBLINE THAT ALL ELECTRICAL BOOK IS IN FILL COMPLIANCE WITH INFPA "18, NEC. 2011, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDNANCES.

1. EMERY BULDING HAVING A FOODL-REL-BURNING HEATER OR APPLIANCE, FREPLACE, OR AN ATTACHED GARACE GUALL HAVE AN OPERATIONAL CARBON HONDODE DETECTOR INSTALLED WITHIN WHET OF EACH ROCH USED FOR GLEEPING

A JUAN'S GWL RECOVE THER PROVING POLER PRICH THE BUILDING WINNS WERE BOOK WINNS WERE THE LOCAL POLER WILLIT, BUILDING WANT WAVE BUILDING BUCKEP, COMBINITION OF ORECOMED THE THINK HOW SHALL BE LIMBED OR LIVERED OF A MINISTELLY RECOGNIZED THETHIS LIBERATION.

MALAKE OF FLANS FIRCH TIMS DRAFFERS OFFICE SWALL NOT RELEVE THE BILLDER OF REPORTED AND VERSY ALL NOTES, DYENKINA, AND ADMERSIVE TO AFFLICABLE BILLDER CONSISTENCY TO CONTEXTENT OF ANY CONSISTENCY.

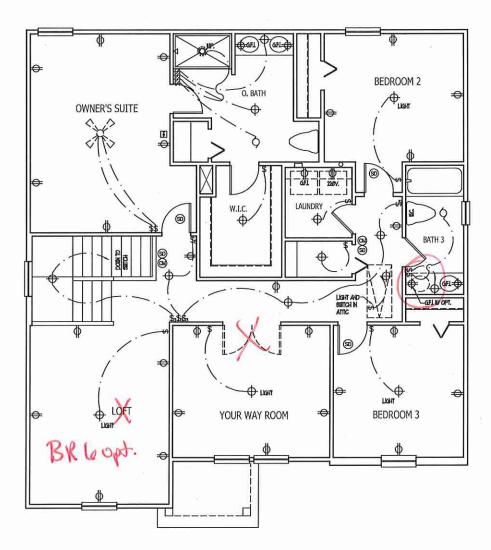
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AFF THE THE PRIM, AND HAVE BEEN CONFIDENCY BY BROKEN THAT ARE HODE.

FAIR HODDICATIONS ARE HODE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE PRAFFERS OFFICE. THE DATE FOR MALL HOT BY BEEN DEPROYMED.

DRAFTER'S CITICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.









PREL る工

2435



UPPER FLOOR ELECTRICAL PLAN

GARAGE RIGHT

ELECTRICAL KEY

E DUPLEX COMPRENCE CUTLET

HE DIFLEX OUTLET ABOVE CONTER

HEATHERPROOF DUPLEX CUTLET

GROUND FAILT NITERRUPTER DUPLEX OUTLET

HUF-GITTCHED DUPLEX CUTLET

HO SPECIAL PURPOSE CUILET DIFLEX CUILET N FLOOR

220 VOLT CUTLET

MALL SUITCH

THREE-MAY BUTCH FOUR-MAY BUTCH

D PHER BUTCH

CELING HOUNTED INCANDERCENT LIGHT FORME

MALL HOUNTED INCANDERCENT LIGHT FIXTURE

RECEIVED INCANDESCENT LIGHT FIXTURE

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| LIGHT FIXTURE WITH FULL CHAIN

EXHABIT FANA IGHT COMBINATION

ILECTRIC DOOR OPERATOR (OPTIONAL)

OF CHIES (OPTIONAL)

CARBON HONOXODE DETECTOR

(G) CHOKE DETECTOR

(SIGN) SHOKE / CARBON HOND, COMBO DETECTOR

HILETHORE (OPTIONAL) TELEVISION (OPTIONAL)

(THENHOSTAT IN ELECTRIC PETER

- BECTRIC PAREL

DISCONNECT BUTCH

⊗ SPEAKER (OPTIONAL)

POLISH IN FOR OPT. CELLING FAN

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

NOTES:

1. FROVIDE AND INSTALL <u>GROUND FALLT CIRCUIT-NITERRUPTERS</u> (GFL) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.

3. ALL BYCKE DETECTORS GIVILL BE HARDURED NTO AN ELECTRICAL POWER COURCE AND GIVILL BE EXAMPTED WITH A HONTORED BATTERY BACKUP, PROVIDE AND NOTALL LOCALLY CERTIFIED BYCKE DETECTORS.

4. ALL BA APD 26A FECEPTACLES IN BLEFFING ROCHS, FAILY ROCHS, DINNS ROCHS, LIMPS ROCHS, PARLORS, LERUNERS, DEN, BUNGOCHS, RETREATION ROCHS, COLETS, MULLIAY, APD MELAN RASA MILL REGULES A COTENNIANT HITE AFAIL DEVICE APD TAPTER-PROCE RECEPTACLES FERRICA. 201 406 II APD 406 II

3. ALL BA AND 30A 1997 RECEPTACIES LOCATED IN THE GARAGE AND UTILITY ROCHS GHALL BE GECL PROTECTED (GF)).

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENGINE THAT ALL ELECTRICA, LOOK IS INTUL CONFLIANCE UTTH NEPA 15, NEC. 201, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINACES.

I, EMERY BUILDING HAVING A ROUGH-REL-BURNING HEATER OR AFFLIANCE, HREFLACE, OR AN ATTACHED GARAGE GHALL HAVE AN OFFERTIONAL CARBON HONORODE DETECTOR INSTALLED UTHIN UP HEET OF EACH ROCH WEED FOR GLEEPING

A JUAN'S SIALL RECEIVE THER PROTATY POWER FROM THE EULDING WIRSE WEST SUCH WIRSE IS BERNED FROM THE LOCAL POWER MILLY, SUCH JUAN'S SIALL HAVE BATTERY BACKET CONSTRAINTS AND SICKELENSISTANCION ELANDS WILL BE LISTED OR LUCELED BY A MATICAVILLY RECOGNIZED TESTING LIBEORATIONY.

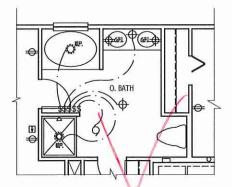
MALAYE OF FLANS FICH TIMS DOUBTIENS OFFICE SMALL NOT RELEVE THE BUILDER OF REPROMBELITY TO REVEN AND VERRY ALL NOTES, DYEMICANS, AND ADHERENCE TO AFFLICABLE BUILDING CODES PRIOR TO CONTRICUTE IN NOTES, DYEMICANS, OR ADHERENCE TO AFFLICABLE BUILDING CODES MALL BE BROUGHT TO THE ATTENTION OF THE DRAWTER'S OFFICE FOR CORRECTION BEFORE COMPRIGHED OF ANY CONTRICUTION.

ANY REPAYMEND OR CHANGES, NOT RELATED TO THE CORRECTION OF ENGINEET THAT ARE MADE AFTER THAN I FLANS HAVE BEEN COFFLETED BUILL BE DIESCET TO ADOPTIONAL FIELD.

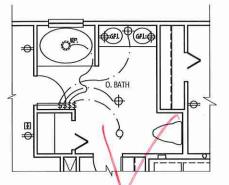
FAINT HOUSELANDED ARE MADE TO THESE PLANS BY ANY OTHER PARTY OWNER THAN THE PROPERTIES BUILL BY ANY OTHER PARTY OWNER THAN THE PROPERTIES BY MALL BY ANY OTHER PARTY OWNER THAN THE PROPERTIES BY MALL BY ANY OTHER PARTY OWNER THAN THE PROPERTIES BY MALL BY THE PROPERTIES BY MALL BY THE PARTY OWNER THAN THE PROPERTIES BY MALL BY THE PARTY OWNER.

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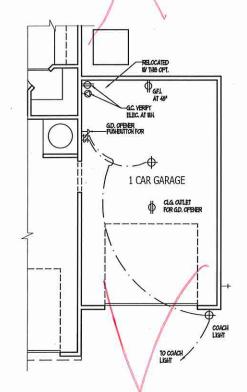




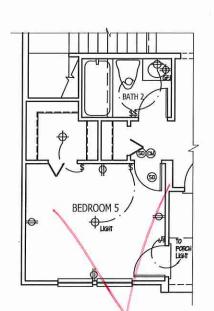




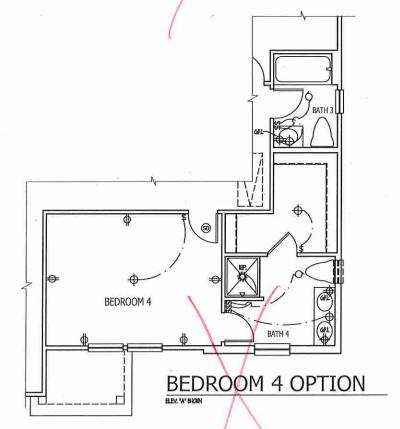
OPT. OWNER'S BATH 1



OPT. 1 CAR GARAGE



BEDROOM 5 OPTION







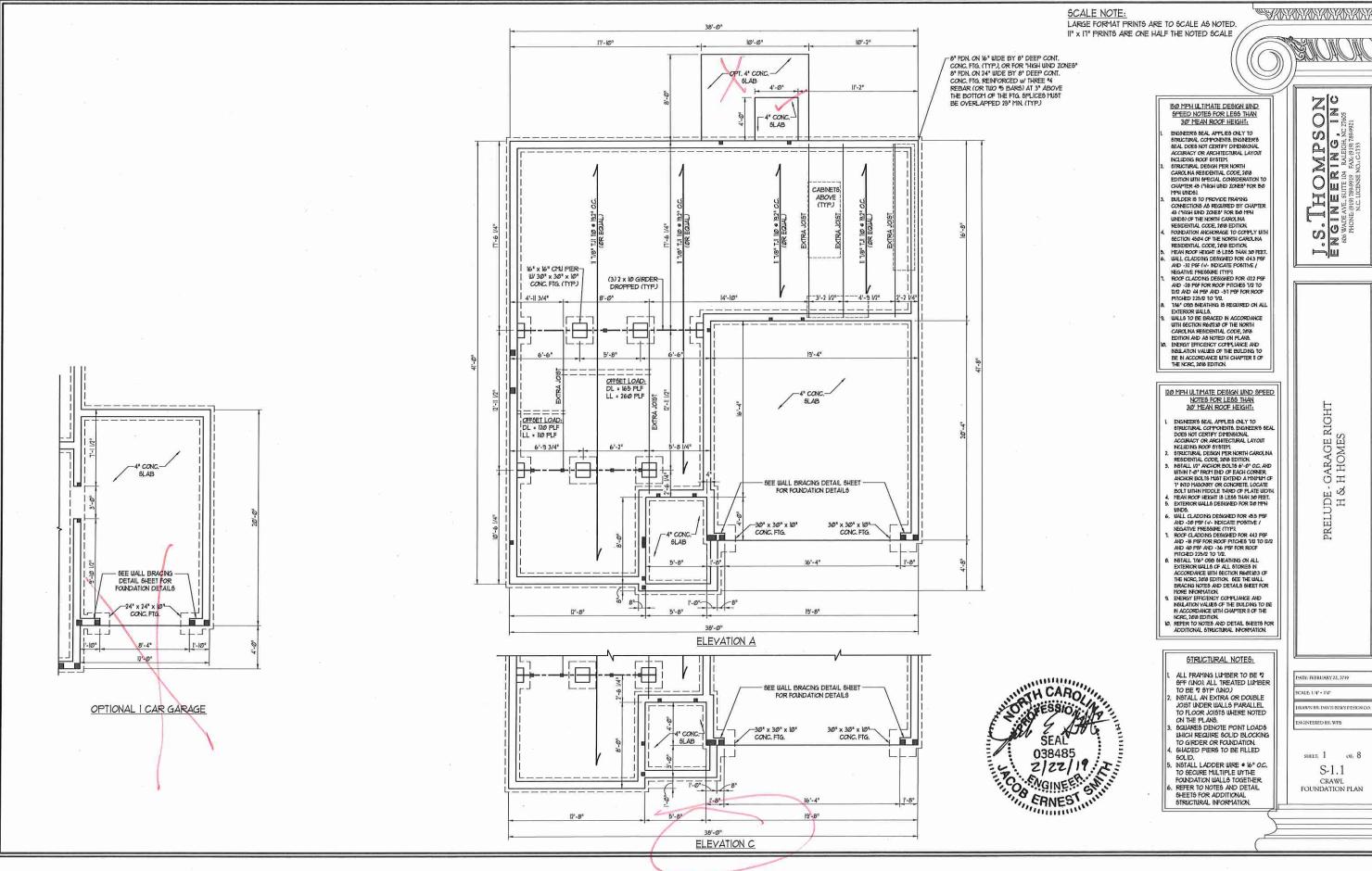


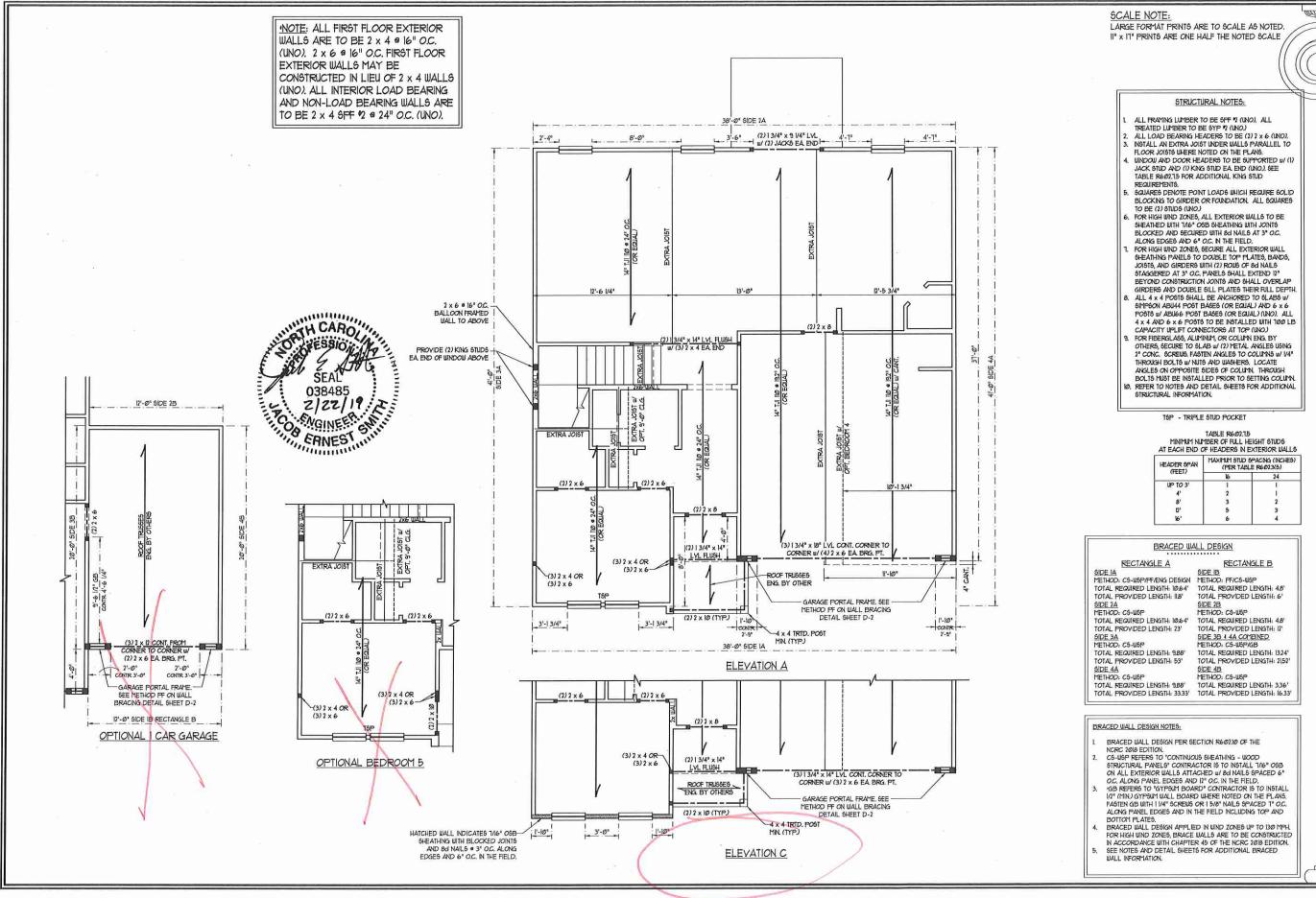


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I.S. THOMPSON
ENGINEERING, INC
668 WANDE AAVE SUITE PAX/6197 788-9921
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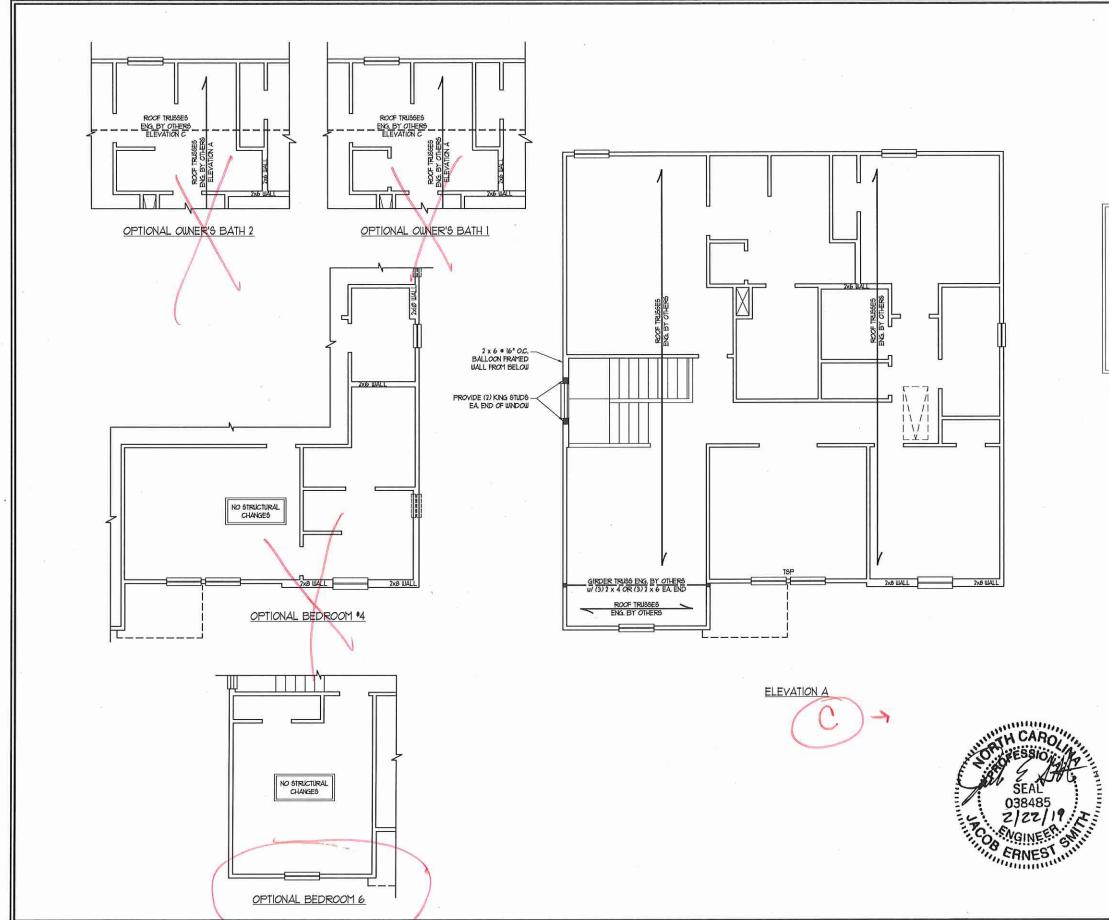
PRELUDE - GARAGE RIGHT H & H HOMES

DATE: FEBRUARY 22, 2019 SCALE: 1/4" • 110"

DRAWN BY: DAVIS DEWS DESIGN C

SHEET: 4 OF: 8

S-2 SECOND FLOOR FRAMING PLAN



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 1/2 @ 24" O.C. 2 x 6 SFF 12 4 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 R60230 OF THE NCRC 2018 EDITION. C5-USP REFERS TO "CONTINUOUS SHEATHING - WOOD
- STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/16" OSB ON ALL EXTERIOR WALLS ATTACHED W & MAILS SPACED 6"
 OC. ALONG PANEL EDGES AND 12" OC. IN THE FIELD.
 GB REFERS TO "GYPSUM BOARD" CONTRACTOR 15 TO INSTALL
- IN (MIN) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS,
 FASTEN GB WITH I IN SCREWS OR I 5/8" NAILS SPACED TO 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:

- L FER SECTION R602/032 OF THE 2018 NCRC, THE AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.

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

STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE SPF 12 (UNO). ALL TREATED LUMBER TO BE 5YP 12 (UNO.) ALL LOAD BEARING HEADERS TO BE (2) 2 x
- WINDOW AND DOOR HEADERS TO BE SUPPORTED W (1) JACK STUD AND (1) KING STUD EA END (UNO.). SEE TABLE R6/27.15 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. IN THE FIELD.
- FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PAYELS 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 FULL DEPTH. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.
 - TOP TRIPLE STUD POCKET

TABLE R602.75 MINIMUM NUMBER OF FULL HEIGHT STUDS

I LACH LIE C	N HEADERWIN E	VITUOK WALLS	
EADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES) (PER TABLE R6003X5)		
	16	24	
UP TO 31	1	1	
4'	2	4	
В'	3	2	
12'	5	3	
16'	6	4	

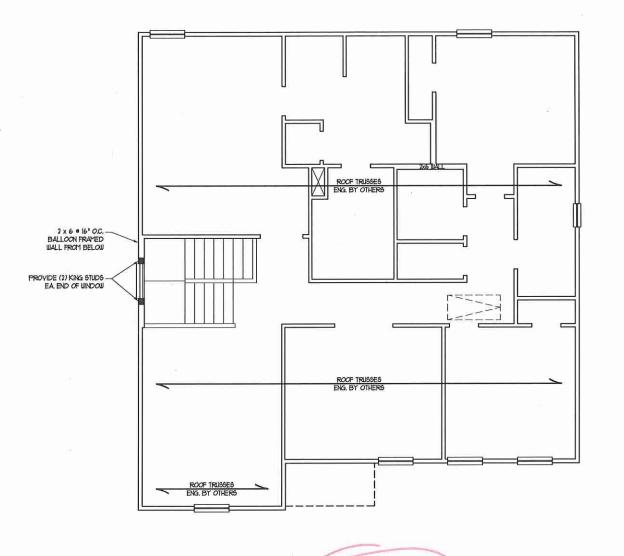
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ENGINEERING.
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GARAGE F H HOMES PRELUDE.

DATE: FEBRUARY 22, 2019 DRAWN BY, DAVIS BEWS DESIGN ENGINEERED BY: WFB

SHEET: 5 OF 8 S-3a CEILING FRAMING PLAN



ELEVATION C

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.
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:

- L BRACED WALL DESIGN PER SECTION R60210 OF THE NCRC 2018 EDITION.
 2. C5-WSP REFERS TO "CONTINUOUS SHEATHING WOOD
- C5-USP REFERS TO "CONTINUOUS SHEATHING" WOOD
 STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/16" 05B
 ON ALL EXTERIOR WALLS ATTACHED W 64 NAILS SPACED 6"
 O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
 GB REFERS TO "GYPSWIT BOARD" CONTRACTOR IS TO INSTALL
- GB REFERS TO "GYPSUH BOARD" CONTRACTOR IS TO INSTALL I/9" (FINI/ GYPSUH 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.
- BOTTOM PLATES.

 4. 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.
- 5. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED
 WALL INFORMATION

NOTE:

- L FER SECTION R6021032 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 18 REQUIRED.

 2. SHEATH ALL EXTERIOR WALLS WITH 7/16* OSB SHEATHING
- SHEATH ALL EXTERIOR WALLS WITH 1/16" OSB SHEATHING ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

STRUCTURAL NOTES:

- L ALL FRAMING LUMBER TO BE SFF 12 (UNO).
 ALL TREATED LUMBER TO BE STP 12 (UNO).
 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x
 6 (UNO).
- 3. WINDOW AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUP AND (1) KING STUD EA END (INO.) SEE TABLE R607.15 FOR ADDITIONAL KING STUP REQUIREMENTS. 4. SQUARES DENOTE POINT LOADS WHICH
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.)
- STUDS (INKO)

 5. FOR HIGH WIND ZONES, ALL EXTERIOR WALLS

 TO BE SHEATHED WITH 1/16* OSB SHEATHINS
 WITH JOINTS BLOCKED AND SECURED WITH
 AD NAULS AT 3* OC. ALONG EDGES AND 6*
 OC. IN THE FIELD.

 6. FOR HIGH WIND ZONES, SECURE ALL
 EXTERIOR WALL SHEATHING PARELS TO
 DOUBLE TOP PLATES, BANDS, JOISTS, AND
 CHEMICAL WINT (A) DOWNES AND ALL
 EXPERIENCE WALL SHEATHING PARELS TO
 DOUBLE TOP PLATES, BANDS, JOISTS, AND
 CHEMICAL WITH (A) EDGES CE SEA MAILS.
- 6. FOR HIGH WIND ZONES, BECURE ALL
 EXTERIOR WALL SHEATHING PAYELS TO
 DOUBLE TOP PLATES, BANDS, JOISTS, AND
 GIRDERS WITH (2) ROUS OF SA MALLS
 STAGGERED AT 3" OC. PAYELS SHALL
 EXTEND 12" BEYOND CONSTRUCTION JOINTS
 AND SHALL OVERLAP GIRDERS AND
 DOUBLE SILL PLATES THEIR FILL DEPTH.
 7. REFER TO NOTES AND DETAIL SHEETS FOR
 ADDITIONAL STRUCTURAL INFORTATION.

TOP - TRIPLE STUD POCKET

TABLE R603.15 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALL

AT EACH END	A HEADERS IN E	X IERIOR WALLS	
HEADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES (FER TABLE R6023(5)		
WEEL	16	24	
UP TO 3'	I	1	
4'	2	1	
. 8'	3	2	
12'	5	3	
16'	6	4	

6. INC 31. 89.9921

I.S. THOMPSC ENGINEERING. I 606 WADE AVE. SUTE 104 RALEIGH. NG 271 PHONE 1097 PRODUE PAX, 1919 7599921

> PRELUDE - GARAGE RIGHT H & H HOMES

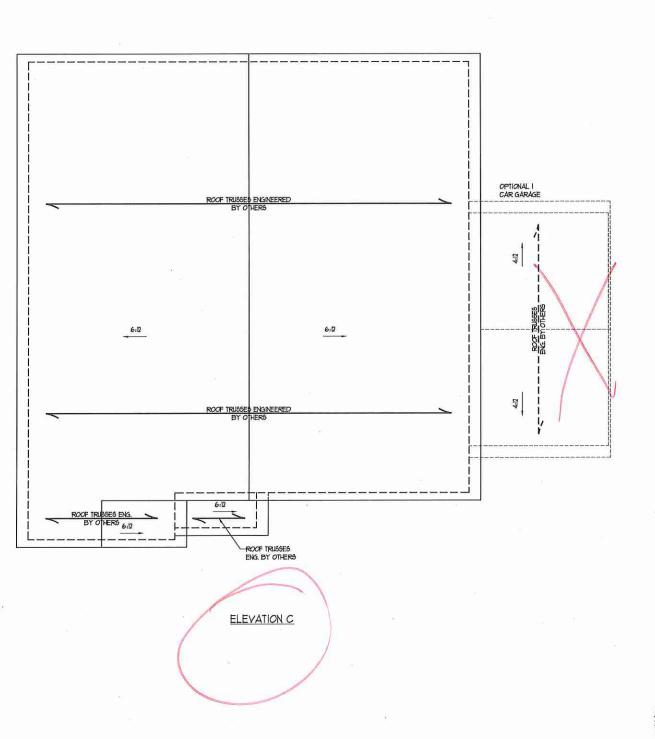
DATE: FEBRUARY 22, 2019

SCALE: 1/4' - 1'0'

DRAWN BY: DAVIS BEWS EESIGN CO

ENGINEERED BY: WFB

SHEET: 6 OF: 8
S-3b
CEILING FRAMING



SCALE NOTE:

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



J.S. THOMPSON

ENGINEERING, INC

60 WADE ACK, SUTHE OF A ALECH, NC, 27605

PHONE, GID 780-9919 FAX, GID 780-9921

N.C. LICENSE NO., C.1733

STRUCTURAL NOTES:

STRIJCTURAL NOTES:

ALL FRAMING LUMBER TO BE '2'
9FF (INO).
CIRCLES DENOTE (3) 2 x 4 POSTS
FOR ROCE SUPPORT.
FRAME DORN'ER WALLS ON TOP
OF DOUBLE OR TRIPLE RAFTERS).
HIP SPLICES ARE TO BE 9FACED
A MIN OF 8'-2' FASTEN
MEN'EDERS WITH THREE ROUS OF
2' MAILS ** 16' OC. (TYP)
STICK FRAME OVER-FRAMED
ROCE SECTIONS WI 2 x 8 RIDGES,
2 x 6 RAFTERS ** 16' OC. AND
FLAT 2 x 10' VALLEYS OR USE
VALLEY TRUSSES.
FASTEN FLAT VALLEYS TO
RAFTERS OR TRUSSES WITH
SIMPSON HUSS HURRICANE
TIES THROUGH NOTCH IN ROCE
92' OC. MAX. PASS HURRICANE
TIES THROUGH NOTCH IN ROCE
94EATHINS. EACH RAFTER 16 TO
BE FASTENED TO THE FLAT
VALLEY WITH A MIN. OF (6) 12d
TOE NAILS.
REFER TO SECTION REWEIL OF THE
2018 NORCE FOR REGUIRED UPLIFT
RESISTANCE AT RAFTERS AND
TRUSSES.
REFER TO NOTES AND DETAIL
HERTER DE DENDITIONAL

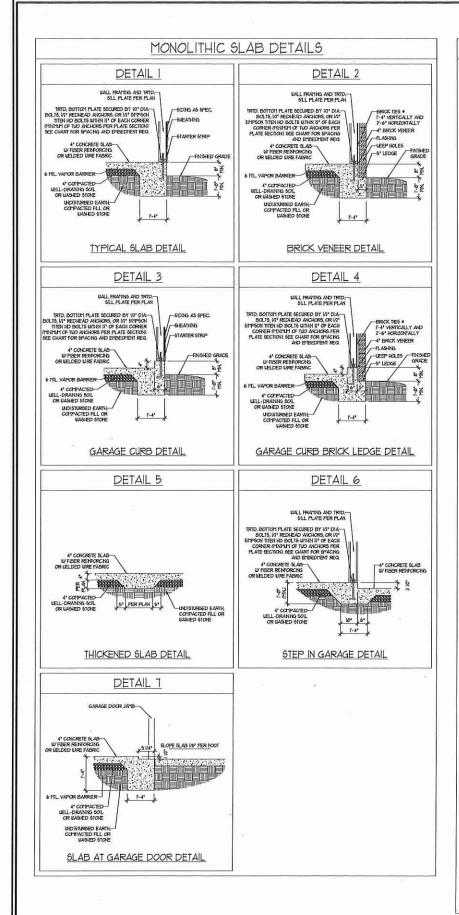
REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

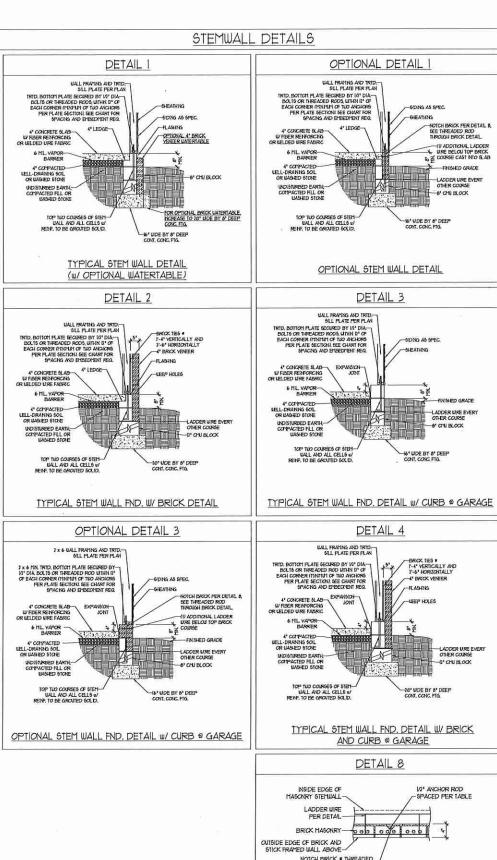
PRELUDE - GARAGE RIGHT H & H HOMES

DATE: FEBRUARY 22, 2019

DRAWN BY: DAVIS DEWS DESIGN ENGINEERED BY: WFB

> SHEET: 8 OF: 8 S-4b ROOF FRAMING PLAN





THREADED ROD THROUGH BRICK MASONRY

	TIADUNKT	TEMWALL SPE	CIFICATIONS		
WALL HEIGHT	MASONRY WALL TYPE				
(FEET)	8" CMU	4" BRICK AND 4" CMI	4" BRICK AND B" CMU	12" CHU	
2 AND BELOW	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED	
3	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED	
4	GROUT SOLID	GROUT SOLID u/ 14 REBAR # 48' O.C.	GROUT SOLID	GROUT SOLID u/ "4 REBAR # 64" O.C.	
5	GROUT SOLID u/ *4 REBAR # 36" O.C.	NOT APPLICABLE	GROUT SOLID u/ *4 REBAR * 36° O.C.	GROUT SOLID #/ M REBAR # 64* O.C.	
6	GROUT SOLID w/ *4 REBAR # 24* O.C.	NOT APPLICABLE	GROUT SOLID u/ 14 REBAR # 24" O.C.	GROUT SOLID #/ *4 REBAR * 64* O.C.	
1 AND GREATER	EXC	NEERED DESIGN BA	SED ON SITE CONDITI	ONS	

STRUCTURAL NOTES:

- WALL HEIGHT MEASURED FROM TOP OF FOOTING TO TOP OF THE WALL.
 THE MULTIPLE WITHES TOSETHER WITH LADDER WIFE AT 16" O.C. VERTICALLY,
 CHART APPLICABLE FOR HOUSE FOUNDATION (XILT), CONSULT ENGINEER FOR DESIGN OF GARAGE
 FOUNDATION BUT COMPANY IN UNITE.

- 3. CHART APPLICABLE FOR HOUSE FOUNDATION (ANLY), CONSULT DYGINEER FOR DESIGN OF GARAGE FOUNDATION NOT COTYON TO HOUSE.

 4. BACAPILL OF CLEAN 191 / 161 MASHED STONE IS ALLOWABLE.

 5. BACAPILL OF CLEAN 191 / 161 MASHED STONE IS ALLOWABLE.

 CLASSFIED AS GROUP! ACCORDING TO WHIFED SOILS CLASSFIED AS GROUP! ACCORDINGE UNTITION. RESIDENTIAL CODE ARE ALLOWABLE.

 6. FRET SLAS FIER ISSESSI AND ISSESSIZ DASE OF THE 708 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

 6. FRET SLAS FIER ISSESSI AND ISSESSIZ DASE OF THE 708 INTERNATIONAL RESIDENTIAL CODE MINIMAT SAY LAP SPLICE LEYENT.

 1. LOCATE REBAR O CONTRO OF FOUNDATION WALL.

 6. WHERE REQUIRED, FILL BLOCK SOILD WITH TYPE '5' MORTAR OR 3000 PS) GROUT, USE OF 'LOW GREATER.

. AN	ICHOR SPACING ANI	D EMBEDMENT
WIND ZONE	120 MPH	BØ MPH
SPACING	6'-0" O.C.	4'-0" O.C.
EMBEDMENT	7*	B" INTO MASONRY 1" INTO CONCRETE

West CAD

038485

ERNEST



MPH ULTIMATE DESIGN FOUNDATION DETAILS

130

120

YANYANYANYANYANY

0

DATE: NOVEMBER 14, 2015 SCALE-NTS DRAWN BY IST AGINEERED BY, JES

D-1 FOUNDATION DETAILS 48° OR LESS

3" COVER

48" OR LESS

3" COVER

RODS MAY BE INSTALLED USING AN ADHESIVE

ANCHORING SYSTEM WITH A MINIMUM TENSILE

CAPACITY OF 3150 LB9 AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECS.

OPTIONAL STEM WALL REINFORCEMENT

BRACED WALL PANEL

-IO" ANCHOR POLTS

PER BRACED WALL REQUIREMENTS

44 REBAR FIELD BENT

BRACED WALL PANEL

BOND BEAM w/ (1) 4 REBAR

5/8" THREADED RODS MAY

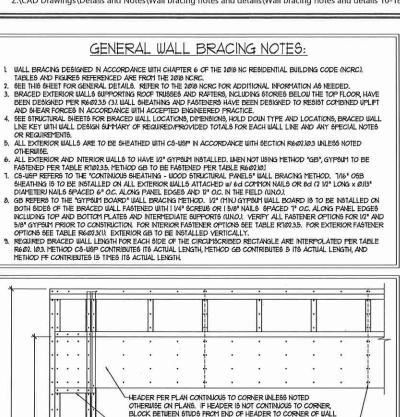
ANCHOR BOLTS AND REBAR

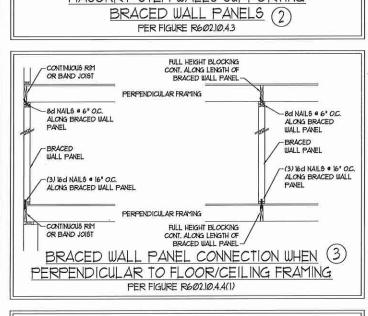
-NUT AND 2" MIN. WASHER

- BOND BEAM W/

(I) M REBAR

SHORT STEM WALL REINFORCEMENT





NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN

REBAR, THREADED RODS AND ANCHOR BOLTS

MASONRY STEM WALLS SUPPORTING

48" OR LESS

BRICK -

-BRACED WALL PANEL

1/2" ANCHOR BOLTS

FER BRACED WALL

A REBAR FIELD BENT

- BRACED WALL PANEL

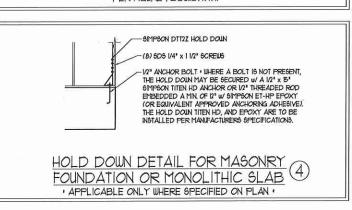
- BOND BEAM

-8' CMU

4 REBAR

TALL STEM WALL REINFORCEMENT

TYPICAL STEM WALL SECTION



TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING (5) PER FIGURE R602.103(5) MIN. 24" WOOD STRUCTURAL - SEE TABLE R6/02:3(1) ANEL AN 800 LB HOLD DOWN LIEU OF CORNER RETURN ORIENTATION OF STUD MAY VARY, SEE FIGURE R6023(2) Kd NAII (3 10" x Ø131") GYPSIM IIIAI I BOARD AS REQUIRED AND INSTALLED IN ACCORDANCE WITH CHAPTER 1 (TYP.) OPTIONAL NON-STRUCTURAL - CONTINUOUS ILLOOD STRUCTURA PANEL BRACED WALL INE SEE TABLE R6023(I) (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 SEE TABLE R6023(I) GYPSUM WALLBOARD AS FOR FASTENING MIN 24" ILDOO STRUCTURAL PANEL IN ACCORDANCE WITH CORNER RETURN AN 800 LB HOLD DOWN DEVICE MAY BE INSTALLED IN LIEU OF CORNER RETURN (b) INSIDE CORNER DETAIL (5b) GYPSUM WALLBOARD AS REQUIRED - SEE TABLE R6023(1) AND INSTALLED IN ACCORDANCE MIN. 24" WOOD STRUCTURAL SHEATHING FER FLAN PANEL CORNER RETURN AN 800 LB HOLD DOWN DEVICE OF CORNER RETURN CONTINUOUS WOOD FASTENERS ON EACH STUD (5C) STRUCTURAL PANEL

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 PER PLAN ERTICAL STRAPS PER PORTAL FRAME DETAIL HEADERS TOGETHER JACK STUDS SUPPORTNO PORTAL FRAME CONNECTION DETAIL BETWEEN GARAGE DOOR HEADERS REFERENCE PORTAL FRAME DETAIL FOR ALL OTHER PORTAL FRAME INFORMATION)

BRACED WALL PANEL (8) CONNECTION TO PERPENDICULAR RAFTERS PER FIGURE R602.10.4.5(1) SOLID BLOCKING BETWEEN RAFTERS OR TRUSSES ATTACHED TO TOP PLATES WITH 8d NAILS 6" O.C. ALONG LENGTH OF BRACED WALL PANEL

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

O ZESSIO SEAL SEAL 038485 2/22/19 ERNES?

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SOS WAD

DESIGN WIND S S AND DETAILS

MPH ULTIMATE I BRACING NOTES

130 ALL

MPH. W/

20

BRACED WALL NOTES AND DETAILS AND PF DETAILS

PLOCK BETWEEN STUDS FROM END OF HEADER TO CORNER OF WALL W/ 2 x 12 BLOCKING AND CONTINUE NAILING PATTERN AS SHOWN. FASTEN TOP PLATE TO HEADER WITH (2) ROUG OF 16d SINKER NAILS . 3" O.C. -(2) SIMPSON CSIS COIL STRAPS III/ IS* END - EDGE OF CONTINUOUS 4" x 8" SHEET OF SHEATHING, INSTALL 17/6" — OSB SHEATHING ON OUTSIDE OF BRACED WALLS (AND INSIDE FACE WHERE NOTED ON THE PLANS), ATTACH OSB WITH 80 NAILS 3" O.C. ALONG EDGES, INTERPEDIATE 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 SHOW AND 6" O.C. IN THE FIELD ABOVE THE OPENING, INSIDE SHEET(5) (IF FOR A PANEL SPLICE (IF NEEDED), PANEL EDGES SHALL OCCUR OVER AND BE NAILED TO COMMON BLOCKING, ONE ROW OF 8d NAILS © 3" O.C. ALONG EA PANEL EDGE MIN 2 x 4 STUDS WITH PONY WALL HEIGHT UP TO 2' PER PLAN MIN 2 x 6 STUDS WITH PONY WALL HEIGHT GREATER THAN 2 BOTTOM PLATE SECURED BY 1/2" DIA BOLTS W/ 2" x 2" x 3/16" PLATE WASHERS (MIN.) BOLTS TO BE INSTALLED WITHIN 12" OF THE ENDS OF EACH PLATE (MIN. OF TWO ANCHORS FER PLATE SECTION), FOR MASONRY STEMULALL CONSTRUCTION OPTIONS -CONCRETE OR MASONRY BLOCK FOUNDATION. OVER CONCRETE OR MASONRY BLOCK FOUNDATION

SIMPSON LTP4 ANCHOR AT EACH

OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION

· APPLICABLE W/ GREATER THAN 12" KNEE WALL HEIGHTS

IN CRAWL SPACE AND ABOVE FRAMED BASEMENT WALLS

WOOD STRUCTURAL PANEL SHEATHING OVER APPROVED BAND OR RIM JOIST

METHOD PF-PORTAL FRAME DETAIL (1)

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

BRACED WALL PANEL CONNECTION WHEN 6 PARALLEL TO FLOOR/CEILING FRAMING PER FIG. R602 10 44(2) BUIL HEIGHT BLOCKING ADDITIONAL FRAMING 16" O.C. ALONG LENGTH OF MEMBER DIRECTLY ABOVE BRACED WALL PANEL BRACED WALL PANEL TOE NAIL (3) 8d NAILS AT -Bd NAILS # 6" O.C. ALONG

-BRACED WALL PANEL BRACED WALL PANEL -(3) 16d NAILS . 16" O.C. (3) 16d NAILS . 16" OC.

ALONG BRACED WALL PANEL ALONG BRACED WALL PANEL

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- CONTINUOUS RIM OR BAND JOIST

-8d NAILS . 6" O.C. ALONG

BRACED WALL PANEL

ADDITIONAL FRAMING MEMBER DIRECTLY BELOW BRACED WALL PANEL

CONTINUOUS RIM W/ FINGER

(2) led NAILS EA SIDE FULL HEIGHT BLOCKING . 16" O.C. ALONG LENGTH OF BRACED WALL PANEL

BRACED WALL PANEL

(3) 16d NAILS . 16" O.C.

AT EA BLOCKING

SCALE NOTE:

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

0 3 A RALEI FAX: (91 OM

WIND

DATE: NOVEMBER 14, 2018

DRAWN BY: JES

SEERED BY JST

S-0 STRUCTURAL NOTES

GENERAL NOTES

- FNGNFER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF, ENGINEER'S SEAL DOES NOT APPLY TO 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 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
- 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	Ø	10	L/360
DECKS	40	10	L/360
EXTERIOR BALCONES	40	10	L/36Ø
FIRE ESCAPES	40	10	L/36Ø
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10	L/36Ø
PASSENGER VEHICLE GARAGE	50	10	L/36Ø
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/36Ø
SLEEPING ROOMS	30	10	L/36Ø
STAIRS	40	10	L/36Ø
WIND LOAD		(4) WIND ZONE AND EXPOSURE)
GROUND ENOW LOAD: Pg	20 (PSF)		

- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480
- FLOOR TRUSS SYSTEMS DESIGNED WITH 15 PSF DEAD LOAD
- FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE 16 TO COMPLY WITH SECTION R403.16 OF THE NORC, 2018 EDITION, FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION 4504 OF THE NORC, 2018 EDITION.
- 5. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NORC, 2018 EDITION.

FOOTING AND FOUNDATION NOTES

- 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 VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE
 COMPACTED TO ASSURE UNIFORM SUPPORT OF THE SLAB, AND EXCEPT IMPERE 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 REGUIRED LIHERE A CONCRETE SLAB IS NISTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP I, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE RAPSI OF THE NCRC, 2018 EDITION.
- 3. PROPERLY DEMATER EXCAVATION PRIOR TO POURING CONCRETE MILEN BOTTOM OF CONCRETE 6LAB IS AT OR BELOW MATER TABLE. IF FINAL BIRLY DEMONSTRE EXCLAVATION FOUNDS TO POMENTS CONCRETE WHEN BOITON OF CONCRETE BLAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 3/4" - I" DEEP CONTROL JOINTS ARE TO BE SAWED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
- 4. CONCRETE SHALL CONFORM TO SECTION R4022 OF THE NORG, 2019 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60. WELDED WIRE FABRIC TO BE ASTM A165, MAINTAIN A MINIMUM CONCRETE COVER AROUND REINFORCING STEEL OF 3* IN FOOTINGS AND I 1/2* IN 9J ABS FOR POURED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE NSIDE 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 N I 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 WEILLED 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
- 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/A5CE 5/TMS 402, MASONRY FOUNDATION WALLS ARE TO BE REINFORCED FER TABLE RAWAIN/13, RAWAIN/30, RAWAIN/30, OR RAWAIN/41 OF THE NCRC, 2010 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED FER TABLE RAWAIN/51 OF THE NCRC, 2010 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

- ALL FRAMING LUMBER SHALL BE 12 SFF MINIMUM (Fb = 875 PS), Fv = 315 PS), E = 1600000 PSI) UNLESS NOTED OTHERWISE (UNO). ALL REATED LUMBER SHALL BE 12 SYP MINIMUM (Fb = 915 P6), FV = 115 P6), E = 16000000 P6)) UNLESS NOTED OTHERWISE (UNO).
- LAMINATED VENEER LUMBER (LVL.) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb =2600 PSI, Fv = 265 PSI, E = 1900000 PSI. LAMINATED STRAND LUMBER (LSL.) SHALL HAVE THE FOLLOWING MINIM PROPERTIES: Bo = 2325 PSI, Ev = 310 PSI, E = 1550000 PSI. PARALLEL STRAND LUMBER (PSL.) UP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 25000 PSI, E =18000000 PSI PARALLEL STRAND LUMBER (PSL) MORE THAN 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: FC = 2900 PSI, E = 20000000 PSI INSTALL 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

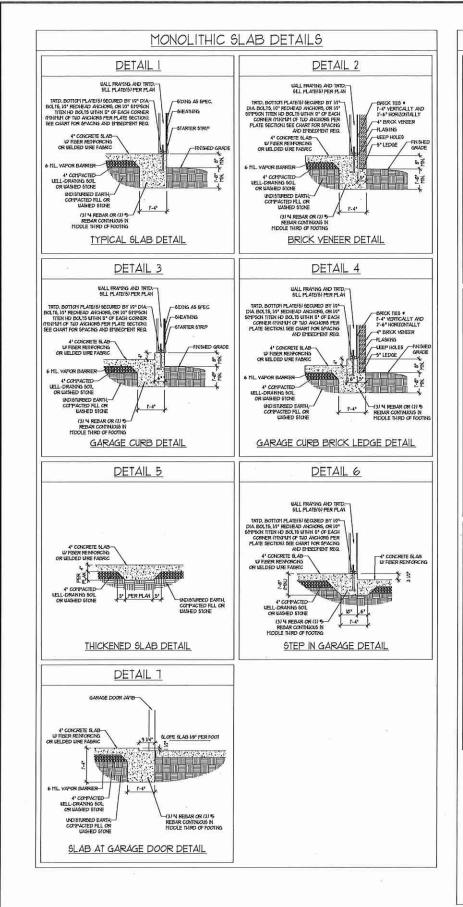
STEEL BEAYS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 V2* AND FULL FLANGE WIDTH (UNO). PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS

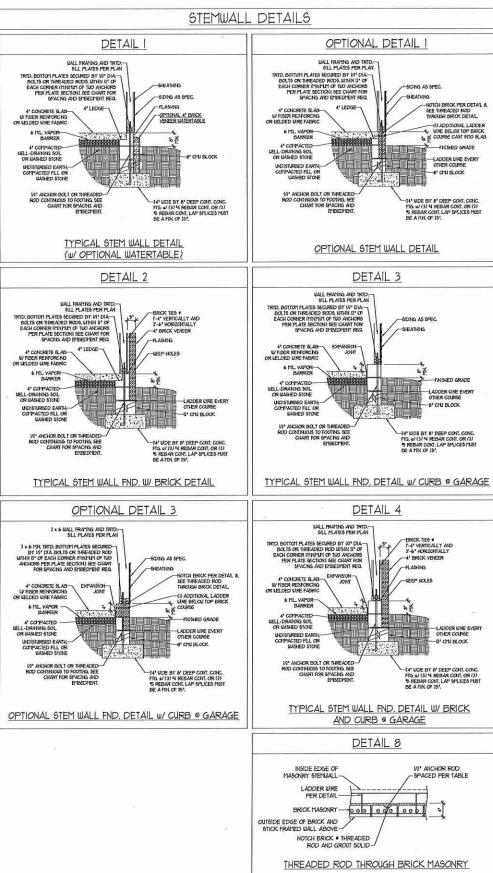
A WOOD FRAMING (2) 1/2" DIA x 4" LONG LAG SCREUS B. CONCRETE (2) I/2" DIA x 4" WEDGE ANCHORS C. MASONRY (FULLY GROUTED) (2) 1/2" DIA x 4" LONG 61MPSON TITEN HD ANCHORS

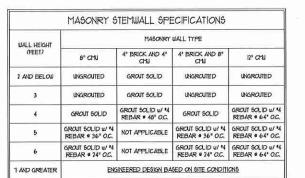
LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TO ENAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 2x NAILER IS SECURED TO THE TOP OF THE STEEL BEAM W/ (2) ROUS OF SELF TAPPING SCREUB 4 16" O.C. OR (2) ROUS OF 1/2" DIAMETER BOLTS . IG OC. IF 1/2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED w/ (2) ROUS OF 9/16" DIAMETER

- 5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION, SHADED SQUARES DENOTE POINT LOADS ROM 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 (1) KING STUD EACH END (UNO), UNICHEVER 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 R602.15 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 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 A3/21) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS
- 9. ALL I-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
- 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 TRUSSES OR 1-JOISTS PER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT
- 12. FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8'-0" IN LENGTH, REST A 6" x 4" x 5/16" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (UN.O.). FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH 1/2" LAG SCREWS AT 12" O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING INSTALLED W/ (4) 12d NAILS EA PLY BETWEEN WALL STUDS WITH (2) ROUS OF 1/2" LAG SCREWS AT 12" OC STAGGERED AND IN ACCORDANCE WITH SECTION RT03821 OF THE NORC 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 I'VE NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS
- 14. FOR TRUSSED ROOFS: FRAME DORFIER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUSSES. STICK RAME OVER-FRAMED ROOF SECTIONS WITH 2 x 8 RIDGES, 2 x 6 RAFTERS AT 16" O.C. AND FLAT 2 x 10 VALLEYS (UNO).
- ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO.) POSTS MAY BE SECURED USING ONE SIMPSON HIS 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 COIL STRAPPING WITH (8) BIG 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.

130 MPH ULTIMATE DESIGN STANDARD STRUCTURAL NC







STRUCTURAL NOTES:

- WALL HEIGHT MEASURED FROM TOP OF FOOTING TO TOP OF THE WALL.
- THE MILTIFLE WITHES TOGETHER WITH LADDER WIRE AT 16" OC. VERTICALLY, CHART APPLICABLE FOR HOUSE FOR DOUBLIND AND A THE TOGETHER WITH LADDER WIRE AT THE LOBBLE FOR DESIGN OF GARAGE FORDATION TO COPYCN TO HOUSE.
- BACKFILL OF CLEAN \$1 / 161 WASHED STONE IS ALLOWABLE

- I, BACKFILL OF CLEAN \$1 / No TUASHED STONE IS ALLOWARLE.

), BACKFILL OF URLIL DRAINED OR SAND GRAVEL MIXTURE SOILS (14) PSFAT BELOU GRADE)

 CLASSFIED AS GROUP I ACCORDING TO INFED SOILS CLASSFICATION SYSTEM IN ACCORDINGE

 WITH TABLE READS OF THE ZOB INTENTATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

 1, PREF SLAB FER RESOL2] AND ESDEJ2 BASE OF THE 2010 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

 1, LOCATE REBAR IN CENTER OF FOUNDATION WALL.

 1, LOCATE REBAR IN CENTER OF FOUNDATION WALL.

 1, LOCATE REBAR IN CENTER OF FOUNDATION WALL.

 1, LIFE RESOURCED, FILL BLOCK SOLD WITH TITPE "S" MORTAR OR 3000 PSI GROUT, USE OF "LOU LIFT GROUTING" HETHOD REQUIRED WHEN FILLING WALLS WITH GROUT AT HEIGHTS OF 5" AND

 OBERLIER.

ANCH	OR SPACING AND EMBED	OMENT - STEM WALL
WIND ZONE	140 MPH	15Ø MPH
5PACING	1'-9" O.C w DOUBLE SILL PLATE w 2" x 2" x 1/8" WASHERS	I'-6" O.C w/ DOUBLE SILL PLATE w/ 3" x 2" x 1/8" WASHERS
EMBEDMENT	RODS CONTINUOUS FROM FOOTING UP THROUGH SILL PLATE #/ 1" MIN. CONCRETE EMBEDMENT	RODS CONTINUOUS FROM FOOTING UP THROUGH SILL PLATE #/ 1" MIN. CONCRETE EMBEDMENT

ANCHO	OR SPACING AND EMBED	MENT - MONO SLAB
WIND ZONE	140 MPH	150 MPH
SPACING	6'-0' O.C. w/ DBL. SILL FLATE OR I'-9' O.C. w/ SINGLE SILL FLATE w/ 2' x 2' x 1/8" WASHERS	6'-0" O.C. w/ DBL SILL PLATE OF I'-6" O.C. w/ SINGLE SILL PLATE u. 2" x 2" x 1/6" WASHERS
EMBEDMENT	T ^{p.}	Je ,



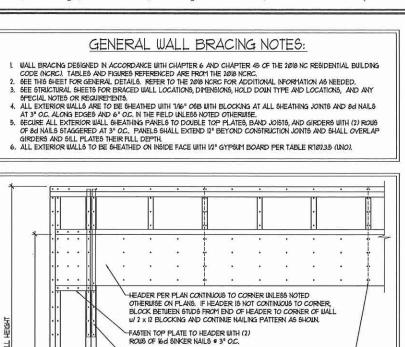
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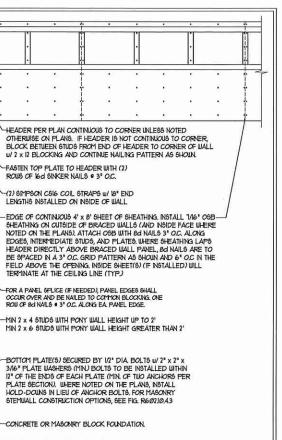
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> SPEED MPH ULTIMATE DESIGN FOUNDATION DETAILS 150 140 MPH -

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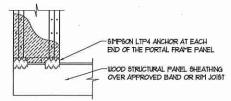
D-1 FOUNDATION DETAILS





OVER CONCRETE OR MASONRY BLOCK FOUNDATION

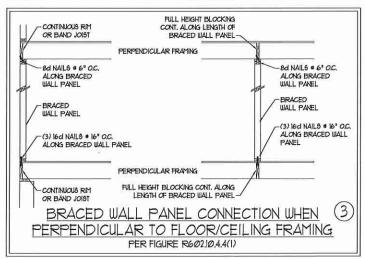
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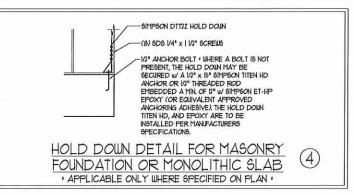


OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION · APPLICABLE W GREATER THAN 12" KNEE WALL HEIGHTS IN CRAWL SPACE AND ABOVE FRAMED BASEMENT WALLS :

METHOD PF-PORTAL FRAME DETAIL

48" OR LESS -BRACED WALL PANEL 48" OR LESS 1/2" ANCHOR BOLTS PER BRACED WALL REQUIREMENTS BRACED WALL PANEL -1/2" ANCHOR BOLTS BOND BEAM PER BRACED WALL REQUIREMENTS M REBAR FIFLD BEN -BOND BEAM W (I) 4 REBAR 4 REBAR FIELD BENT 6" INTO BOND BEAM 3" COVER TALL STEM WALL REINFORCEMENT SHORT STEM WALL REINFORCEMENT 48" OR LESS -BRACED WALL PANEL -BRACED WALL PANEL -BOND BEAM w/ (I) 4 REBAR -BOND BEAM -5/8" THREADED RODS -B' CMU OPT. FACE BRICK FOR ANCHOR BOLTS AND REBAR -NUT AND 2" MIN, WASHER 3" COVER-TYPICAL STEM WALL SECTION RODS MAY BE INSTALLED USING AN ADHESIVE ANCHORING SYSTEM WITH A MINIMUM TENSILE CAPACITY OF 3150 LBS AND INSTALLED IN OPTIONAL STEM WALL REINFORCEMENT NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN REBAR, THREADED RODS AND ANCHOR BOLTS MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS PER FIGURE R602.10.43





TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING PER FIGURE R602.103(5) MIN. 24" WOOD STRUCTURAL SEE TABLE R602.3(1) ANEL AN 8000 LB HOLD DOWN DEVICE MAY BE INSTALLED IN LIEU OF CORNER RETURN ORIENTATION OF STUD MAY VARY, SEE FIGURE R6023(2) -GYPSIM IIIAI I BOARD AS REQUIRED 16d NAIL (3 1/2" x Ø131") AND INSTALLED IN ACCORDANCE WITH CHAPTER 1 (TYP.) OPTIONAL NON-STRUCTURAL CONTINUOUS WOOD STRUCTURAL PANEL BRACED WALL LINE
SEE TABLE R6023(I) (a) OUTSIDE CORNER DETAIL (5a) ORIENTATION OF STUD MAY /ARY. SEE FIGURE R6/023(2) 16d NAIL (3 1/2" x Ø.131") -CONTINUOUS WOOD STRUCTURA SEE TABLE R6023(1) GYPSIM IIIALI BOARD AS FOR FASTENING -MIN 24" ILDOD 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 (5b) GYPSUM WALLBOARD AS REQUIRED -SEE TABLE R6@23(1) AND INSTALLED IN ACCORDANCE 164 NAIL (3 10" v @131") MIN. 24" WOOD STRUCTURAL SHEATHING FER PLAN PANEL CORNER RETURN. AN 800 LB HOLD DOWN DEVICE MAY BE NSTALLED IN LIEU OF CORNER RETURN CONTINUOUS WOOD FASTENERS ON EACH STUD (5C) STRUCTURAL PANEL AT EACH PANEL EDGE (c) GARAGE DOOR CORNER DETAIL (SEE PLAN FOR ADDITIONAL

STRUCTURAL INFORMATION OR ALTERNATE CONFIGURATIONS)

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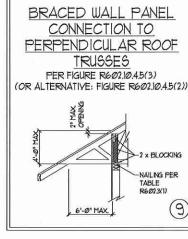
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SCALE NOTE: LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. II" x IT" PRINTS ARE ONE HALF THE NOTED SCALE KNG STUDS BETWEEN GARAGE IFADERS PER PLAN HEADER PER PLAN (2) 5'-LONG SIMPSON CSI JACK STUDS SUPPORTING HEADERS PER PLAN PORTAL FRAME CONNECTION DETAIL BETWEEN GARAGE DOOR HEADERS (REFERENCE PORTAL FRAME DETAIL FOR ALL OTHER PORTAL FRAME NEORMATION)

BRACED WALL PANEL CONNECTION TO PERPENDICULAR RAFTERS PER FIGURE R602.10.4.5(1) BOLID BLOCKING BETWEEN ATTACHED TO TOP PLATES WITH 8d NAII 5 6" OC ALONG LENGTH OF BRACED WALL

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



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DATE: OCTOBER 29, 2018 DRAWN BY, IST ENGINEERED BY: JST

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BRACED WALL NOTES AND DETAILS AND PF DETAILS

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DESIGN WIND S S AND DETAILS IMATE D MPH ULTI BRACING 150 ALL

SCALE NOTE:

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

GENERAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF, ENGINEER'S SEAL DOES NOT APPLY TO 1-JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
- 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 PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 3. STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NCRC, 2018 EDITION (R301.4 R301.1)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	10	L/140 (L/360 W/ BRITTLE FINISHES)
ATTIC WITHOUT STORAGE	10	10	L/360
DECKS	40	10	L/360
EXTERIOR BALCONIES	40	10	L/36Ø
FIRE ESCAPES	40 -	10	L/36Ø
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10	L/36Ø
PASSENGER VEHICLE GARAGE	50	10	L/36Ø
ROOMS OTHER THAN SLEEPING ROOM	40	10	LB60
SLEEPING ROOMS	3Ø	10	L/36Ø
STAIRS	40	10	L/36Ø
WIND LOAD	(BASED ON TABLE R3012)	4) WIND ZONE AND EXPOSURE)	
GROUND SNOW LOAD: Pg	2Ø (PSF)		

- 1-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480 - FLOOR TRUSS SYSTEMS DESIGNED WITH IS PSF DEAD LOAD
- 4. FOR 15 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION R40316 OF THE NCRC, 2018 EDITION, FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION 4504 OF THE NCRC, 2016 EDITION
- 5. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NORG, 2019 EDITION.

FOOTING AND FOUNDATION NOTES

- I. FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING
- FOR ALL CONCRETE 6LABS AND FOOTINGS, THE AREA WITHIN THE PERIMETER OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP SOIL AND FOREIGN MATERIAL REMOVED. FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO ASSURE UNIFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NOT EXCEED 24 FOR CLEAN SAND OR GRAVEL. A 4" THICK BASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP LACCORDING TO THE INITED SOIL OF ASSISTATION SYSTEM IN ACCORDANCE WITH TARK E RAPS OF THE NORC 2018 EDITION
- 3. PROPERLY DEWATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE 6LAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 3/4" - I" DEEP CONTROL JOINTS ARE TO BE SAILED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY
- 4. CONCRETE SHALL CONFORM TO SECTION R4022 OF THE NORC, 2018 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60. UELDED WIRE FABRIC TO BE ASTM AIBS. MAINTAIN A MINIMUM CONCRETE COVER AROUND REPROPRICING STEEL OF 3" IN FOOTINGS AND I 1/3" 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 11/2" FOR 55 BARS OR SMALLER AND NOT LESS THAN 2" FOR 1% BARS OR LARGER
- 5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL COMFORM TO ASTM C270.
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR UNFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PERS MAY BE FILLED SOLID WITH CONCRETE TYPE M OR 5 MORTAR PIERS AND WALLS SHALL BE CAPPED WITH B" 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 PI
- 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 333, NCMA TRE6-A OR ACE 530/145CE 5/TITS 402. MASONEY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R4041XI), R4041X2), R4041X3), OR R4041X4) OF THE NCRC, 2018 EDITION, CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE WALLS AT 16" O.C. WHERE GRADE PERMITS (UNO).

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FRAMING NOTES

- ALL FRAMING LUMBER SHALL BE 12 SFF MINIMUM (Fb = 815 PSI, Fv = 315 PSI, E = 16000000 PSI) UNLESS NOTED OTHERWISE (UNO). ALL REATED LUMBER SHALL BE 12 SYP MINIMUM (Fb = 915 PSI, Fy =115 PSI, E = 16000000 PSI) UNLESS NOTED OTHERWISE (UNO).
- 2. LAMINATED VENEER LUMBER (LVL.) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Hb =2600 PSI, Fv = 285 PSI, E = 1900000 PSI. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Ho = 2325 PSI, Fy = 310 PSI, E = 15500000 PSI. PARALLEL STRAND LUMBER (PSL) UP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2500 PSI, E =18000000 PSI.
- 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

4. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 V2" AND FULL FLANGE WIDTH (UNO), PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS

A WOOD FRAMING (2) 1/2" DIA x 4" LONG LAG SCREUS 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 TOE NAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 2X NAILER IS SECURED TO THE TOP OF THE STEEL BEAM W/ (2) ROUS OF SELF TAPPING SCREUS 4 I6" O.C. OR (2) ROUS OF I/2" DIAMETER BOLTS # 16" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED W/ (2) ROUS OF 9/16" DIAMETER

- ROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- 6. ALL LOAD BEARNG HEADERS TO CONFORM TO TABLE R6@2.7(1) AND R6@2.7(2) OF THE NCRC, 2@8 EDITION OR BE (2) 2 x 6 WITH (I) 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 PER SECTION R602.75 OF THE NORTH
- 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 VZ* 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
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A3/21) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMIM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS
- 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.
- CRITERIA THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R602.10.
- 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'-0" IN LENGTH, REST A 6" x 4" x 5/16" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (UNO). FOR ALL HEADERS 6'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH 1/2" LAG SCREWS AT 12" O.C. STAGGERED FOR BRICK SUPPORT, FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING INSTALLED W/ (4) 12d NAILS EA PLY BETWEEN WALL STUDS WITH (2) ROUS OF 1/2" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION RT03821 OF THE NORC. 2018 EDITION.
- 14. FOR TRUSSED PROOFS; FRAME DORMER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT PROOF TRUSSES. STICK FRAME OVER-FRAMED ROOF SECTIONS WITH 2 x 8 RIDGES, 2 x 6 RAFTERS AT 16" O.C. AND FLAT 2 x 10 VALLEYS (UNO.).
- 15. ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 700 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO.) POSTS MAY BE SECURED USING ONE SIMPSON H6 OR LT912 UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE SIMPSON POST BASE.

PARALLEL STRAND LUMBER (PSL) MORE THAN 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 29000 PSI, E = 200000000 PSI. INSTALL ALL CONNECTIONS FER MANUFACTURER'S SPECIFICATIONS.

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

FOLLOWS (LNO)

- 5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION, SHADED SQUARES DENOTE POINT LOADS
- ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO)
- LOCATED AT 6" FROM EACH END (UNO).
- IØ. BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION WALL BRACING
- PROVIDE DOUBLE JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR
- 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. PRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS
- EACH POST. ONE 16" SECTION OF SIMPSON CSI6 COIL STRAPPING WITH (8) 8d HDG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIST

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DATE, NOVEMBER 14, 2018 DRAWN BY: JES NEERED BY, JST

> S-0 STRUCTURAL NOTES