# FREELANCE H&H HOMES

## PLAN REVISIONS

II-08-17 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-THRU NOTES DATED ## 08-30-18. CHANGES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: REMOVE OPT. LAWDRY TUB, REMOVE KITCHEN ISLAND KNEEWALLS, CHANGE KITCHEN ISLAND COUNTER TOP TO HAVE 12" OVERHANGS, REMOVE OH.C. ABOVE REIDGE, 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 GRIPS AT SIDES AND REAR ELEVATIONS, REVISE DATA DROPS TO BE I PHONE IN KITCHEN AND I T.V. IN OUNERS SUITE AND GATHERING ROOM ONLY, REMOVE COVERED PORCH OPTION, REVISE KITCHEN LIGHTING TO BE 4-PULIS 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 WPPER FLOOR, REMOVE OPT. WINDOW AT LOFT, REMOVE OPT. DOOR AT BATH 2, MAKE STANDARD I BOWL 30" VANITY IN EXTERIOR CORNER OF BATH 2, MAKE 60" 2 BOWL VANITY AT BATH 2 WITH OPT. BEDROOM 4, 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.

| 12-02-93 CHANGED BATHROOM NAMING CONVENTION PER H4H REQUIREMENTS, REVISED ALL MASTERS TO OUNER'S CONMENTS, VERIFIED ALL HDR HGTS WERE AT LEAST 1"-0".

2-01-20 VERIFIED ROOM SIZES AND DIMENSIONS.

CHANGED GATHERING ROOM DIMENSIONS TO 14'-10" X 14'-10".

UPDATED DIMENSIONS TO PAD AND PATIO IN REAR.

CHANGE WASHER, DRYER, AND REFRIGERATIOR TO OPTIONAL COMPONENTS.

ADDED COACH LIGHT AT OPT. 1-CAR GARAGE WITH WIRING.

VERIFIED MASTERS WAS CHANGED TO OWNERS.

CHANGE 2X4 WALL AT REAR GARAGE WALL TO 2X6.

ADDED ROOF VENT CALCULATIONS.

UPDATED FOR NCRC 2018 AND SC 2018 IRC.

UPDATED FOR NCRC 2018 AND SC 2018 IRC.

UPDATED SLAB INTERFACE PLAN AND OPTIONS.

ADDED ADDITIONAL 3-0 5-0 WINDOW FOR VENTILATION REQMITS IN THE OWNER'S BEDROOM.

ADDED INSULATION DETAIL TO PLAN SHEETS.

ADDED OPTIONAL DBL OVEN IN KITCHEN.

CHANGE ALL CEILING FANS TO OPTIONAL.

CREATED CUTSHEETS.

04-01-20 REMOVED HANSEN BOX AND DRYER VENT. GATHERING WAS CHANGED TO FAMILY. CAFE WAS CHANGED TO CASUAL DINING. CREATED NEW SHEETS FOR FIRST FLOOR PLAN AND SECOND FLOOR PLAN OPTIONS. UPDATED CUTSHEETS. ADDED (2) HOSE BIBBS RIGHT AND LEFT SIDE OF THE HOUSE. CHANGED 2X4 WALL AT LEFT GARAGE WALL TO 2X6. REMOVED OUTLETS, PHONES AND TV'S FROM ELECTRICAL PLANS. ADDED CARBON MONOXIDE DETECTOR AT BEDROOMS. UPDATED THE SF AS FOLLOWS:

I CAR GARAGE WAS 251 SF, NOW 252 SF ELEV-A PORCH WAS 31 SF, NOW 33 SF CREATED ELEVATION FARMHOUSE 'B'. CREATED ELEVATION ARTS AND CRAFTS 'D'. CHANGED CORNER BOARDS ON ELEVATIONS TO BE IX4 TRIM BOARD. SHOWED COACH LIGHTS ON ELEVATIONS. ADDED DIAGONAL DIMENSIONS ON SLAB INTERFACE PLAN. CREATED LEFT HAND GARAGE VERSION. REMOVED ELEVATION C. UPDATED SQ. FT. LOG. TO ELIMINATE SQ. FT. ROUNDING. FIRST FLOOR WAS 864 SF, NOW 863 SF. SECOND FLOOR WAS 1063 SF, NOW 1062 SF. 2 CAR GARAGE WAS 252 SF, NOW 251 SF. PORCH AT ELEY. B WAS 14 SF, NOW 13 SF. FLIPPED GARDEN TUB AT OPT. OWNER'S BATH 2 AND 3. CHANGED SHUTTERS TO BE 14" WIDE.

10-15-20 CHANGED EXTERIOR WALL AT FOYER AND LOFT TO BE 2x6. CHANGED LOFT DIMENSIONS TO 13'-2'X9'-10".

	1
SQUARE FOOT	AGE \
HEATED AREAS	ELEV 'A
FIRST FLOOR	863 SQ. FT.
SECOND FLOOR	1062 SQ. FT.
TOTAL HEATED SF	1925 SQ. FT.
UNHEATED AREAS	
1 CAR GARAGE	251 SQ. FT.
COVERED AREAS	
FRONT PORCH	33 SQ. FT.
UNCOVERED AREAS	
OPTIONAL PATIO	80 SQ. FT.
UNHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ FT.

1	
HEATED AREAS	ELEV 'B'
PIRST FLOOR	863 SQ. FT.
SECOND FLOOR	1062 SQ. FT.
TOTAL HEATED ST	1925 SQ. FT.
UNHEATED AREAS	
1 CAR GARAGE	251 SQ, FT.
COVERED AREAS	
FRONT PORCH	73 SQ. FT.
UNCOVERED AREAS	
OPTIONAL PATIO	80 SQ. FT.
UNHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ. PK

SQUARE FOOT	AGE
HEATED AREAS	ELEV 'D'
FIRST FLOOR	863 SQ. FT.
SECOND FLOOR	1062 SQ. FT.
TOTAL HEATED SE	1925 SQ. FT.
UNHEATED AREAS	
1 CAR GARAGE	251 5Q. FT.
COVERED AREAS	
FRONT PORCH	88 SQ. FT.
UNCOVERED AREAS	
OPTIONAL PATIO	80 SQ. FT.
NHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ. PT

Built by H&H Homes

\*XOB INJUBER 27167.06 \*CAD FILE FREELINGE ISSUED 11-08-17 REVISED 02-07-20 04-01-20 10-15-20

DRAWINGS ON II"xIT" SHEET ARE ONE HALI THE SCALE NOTED

FREELANCE (Garage Right) H&H HOMES

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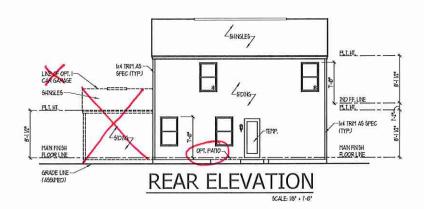
TITLE REVISION LOG

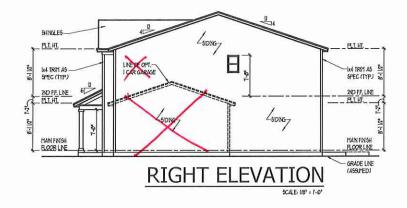
SHEET

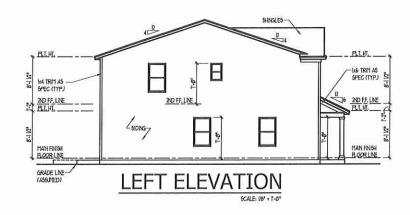
ISSUAVE OF PLAYS FROM THIS DRAFTER'S OFFICE SHALL NOT RELEVE THE BULDER OF RESPONSIBILITY TO REVIEW AND VERBY ALL NOTES, DIPENSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES PRIOR TO CONTENCEMENT OF ANY CONSTRUCTION.

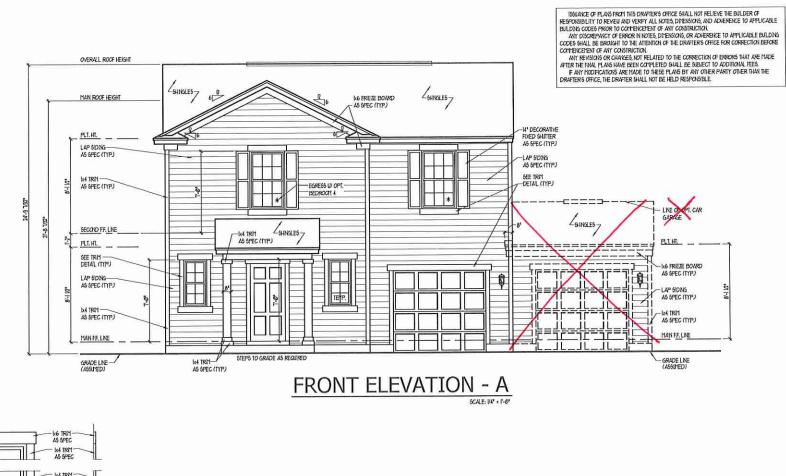
ANT DISCREPANCY OF ERROR IN NOTES, DIFFUSIONS, OR ADMERBICE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTRITION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE CONTRICTION OF ANY COSTINGUISTICS OF ANY CAST MANUAL TO THE CORRECTION OF ERRORS THAT ARE MADE

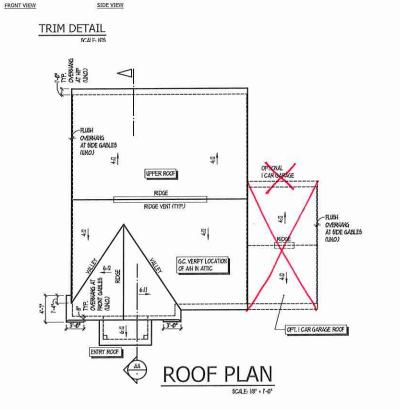
ANY REVISION OR CHAYGES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL FLANS HAVE BEED COMPLETED SHALL BE SUBJECT TO ADDITIONAL FEES. F ANY MODELCHIONS ARE MADE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.

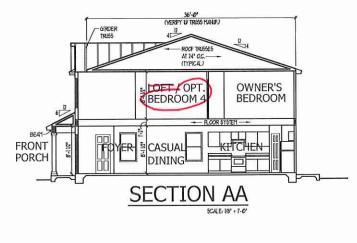












TOTAL UNDER ROC VENTING AREA RE TOTAL REQUIREM! LOWER AREA VEN	QUIRED: ENTS:	1115 SQ. F LOWER: 1.1	T./300 = 86 UPPER:	3.72 SQ FT 1.86
SOFFIT VENT	SIZE:	PER UNIT:	# UNITS:	PROVIDED:
		.041 SF/LF	51'-11'	2.13
	E-Contraction of the Contraction	EA VENTING P	ROVIDED:	- 32
UPPER AREA VENT RIDGE VENT	ING SIZE:	PER UNIT:	a UNITS-	TEROVIDED
KILIGE VENT	Jigh.	.125 SF/LF	16'-0'	2.00
	UPPER ARE	A VENTING PR	OVIDED:	
TOTAL AREA PROV	IDED			
OFFIT AND RIDGE				4.13

ELEVATIONS, ROOF PLAN, & SECTION - TRADITIONAL 'A' Built by H&H Homes

\*JOB MARBER 27167-05
GUD FILE FREELANCE
ISSUED 11-09-17
REVISED 02-07-20
04-01-20
10-15-20

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

A3.0

2x4 WALL ABY.-PROVIDE WATER LINE FOR ICE MAKER AIC PAD (G.C. VERFY BIZE AND LOCATION) ELEVATION (11) -10" H. PLATFORM ELEVATION AT 0'-0' (ASSUMED) ימ ש-ים I CAR GARAGE GC. VERIFY 6" CURB AT GARAGE UV OPT. 766 EXTERIOR UALLS 776 UALL ABV. FRONT PORCH -8' 50 COLUM 2-21/2" 8'-0" 11'-8" 12'-4" 30'-0"

ESUACE OF FLAS FROM THIS DRAFTERS OFFICE SHALL NOT RELIEVE THE BUILDER OF REPORTED TO REVEU AND VERRY ALL NOTES, DYENSIONS, AND ADHERNICE TO APPLICABLE BUILDING CODES FROM TO CONTENCE FOR MY COSSTRUCTION.

ANY DISCREPANCY OF FROM NOTES, DYENSIONS, OR ADHERNICE TO APPLICABLE BUILDING CODES SHALL BE PROVIDED TO THE ATTENTION OF THE DRAFTERS OFFICE FOR CORRECTION BEFORE CONTENIES OF ANY COSSTRUCTION.

ANY REVISIONS OR CHANGES, NOT RELIEDED TO THE CORRECTION OF ENERGIS THAT LARE MADE.

AFTER THAT I FLAS HAVE BEEN COMPLETED SHALL BE BUILDED TO ADDITIONAL FLESS.

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





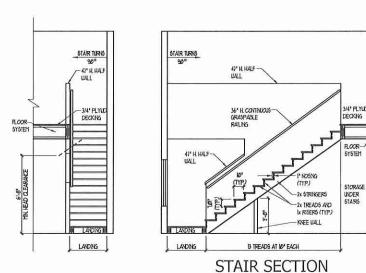
DRAWINGS ON II"xIT" SHEET ARE ONE HALF THE SCALE NOTED

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TITLE SLAB INTERFACE PLAN

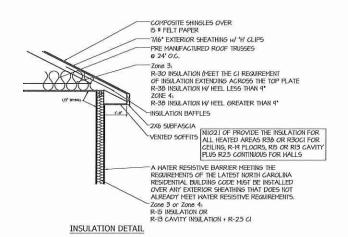
SLAB INTERFACE PLAN
ELEVATION A SHOWN SCALE, WY - T-6' ELEVATION A SHOUN SMILAR AT ALL ELEVATIONS (NO PLUMBING CHANGES)



STAIR NOTES:

BALUSTERS SHALL BE SPACED SO THAT A 4" SPHERE CANNOT PASS THROUGH

LESS THAN I-IA INCH BETLEEN THE WALL AND HANDRAILS.



THE TRANSULAR OFFINAS FORTED BY THE RISER TREAD AND BOTTOM RAL OF A GUARD AT THE OFFIN SIDE OF A STAIRLANT ARE FERRITHED TO BE A SUCH A SIZE THAT A SPHERE OF 6 NOTES CANNOT PASS THROUGH OPENINGS FOR REQUIRED GUARDS ON THE SIDES OF STAIR TREADS SHALL NOT ALLOU A SPHERE 4 3/8 INCHES TO PASS THROUGH HADRALS HADRALS FOR STAINLAYS SHALL BE CONTINUOUS FOR THE RLL LENGTH OF THE FLORT, REDYLA POND DIRECTLY ABOVE THE TOP RISER OF THE FLORT TO A PONT DIRECTLY ABOVE THE LOLEST RISER HADDOWN LENDS SHALL BE RETURNED OR SHALL TERTINATE IN REJEL POSTS OR SHETTY TERMINALS HANDRAILS ADJACENT TO A UALL SHALL HAVE A SPACE OF NOT CONTINUOUS GRASPABLE HANDRAIL MUST MEET TYPE ONE OR TYPE TUO CRITERIA \* \* \* \* \* \* \* \* PNTRY:

-PAD 4'-0" x 4'-0" 2'-10" 3050 SH. HD. AT 1'-0' 4 SHL PAXA KNEE LWLL FAMILY ROOM 14'-10"x14'-10" 8'-0" FLAT CLG. AIC PAD (GC, VERFY SIZE AND LOCATION) ALL INTERIOR COUNTERTOP FLUSH OVERHAYG 16'-9 W FLATFORM WH STORAGE UNDER STAIRS STA'R DATA 16 RISERS AT 1.01 EACH 10" TREADS CASUAL DINING NSLLATE FLOOR 13'-2"x16'-3" 8'-0" FLAT CLG. GARAGE 12'-0"x20'-0" B'-0" PLT. HT. B-6 W D'-4 1/2" WALL - KNEE WALL BELOU 36" H. HAND RAIL **FOYER** 8-0x1-0 OH 2-STORY\_ LNE OF SECOND-/ FLOOR ABV. GC. VERIFY 2x4 EXTERIOR WALLS (UNO.) OPT. 2x6 EXTERIOR WALLS FRONT PORCH 8'-0" PLT. HT. OF OVERHEAD GAS DROPS AT APPLICABLE APPLIANCE LOCATIONS \_\_\_\_/ FLAT HEADER— AT 1'-0' AFF. 8'-0" 12'-4" II'-8"

AA A30

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SHEET ARE ONE HALF THE SCALE NOTED

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MAIN FLOOR PLAN STAIR SECTIONS INSULATION DETAIL

FIRST FLOOR PLAN A

SQUARE FOOTAGE

HEATED AREAS

FIRST FLOOR

SECOND FLOOR TOTAL HEATED SF

UNHEATED AREAS

1 CAR GARAGE

COVERED AREAS

UNCOVERED AREAS

OPTIONAL PATIO UNHEATED OPTIONS

OPTIONAL 1-CAR GARAGE

ELEV 'A'

863 SQ. FT.

1062 SQ. FT.

1925 SQ. FT.

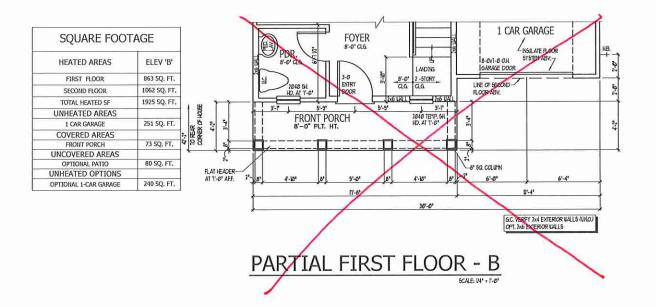
251 SQ. FT.

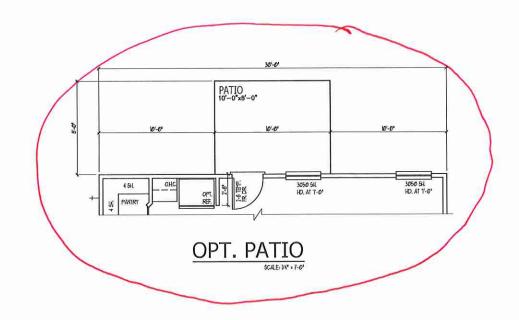
33 SQ. FT.

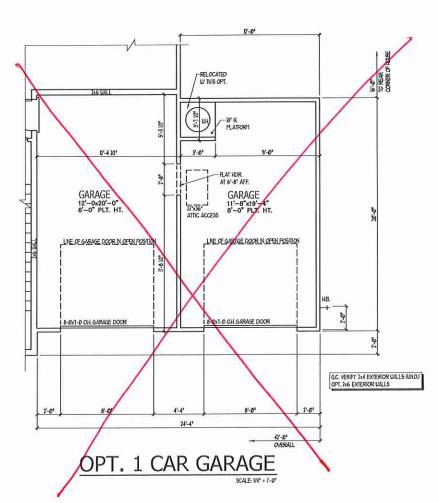
80 SQ. FT.

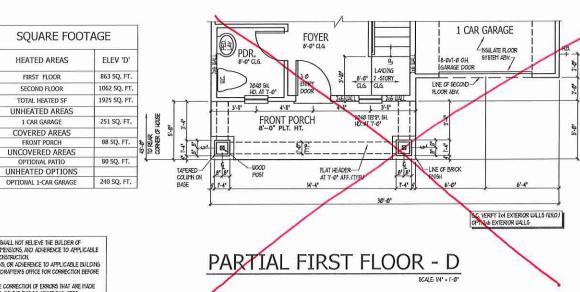
240 SQ. FT.

ISSUAVE OF FLANS FROM THIS DRAFFERS OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEU WID VERRY ALL NOTES, DYENSIONS, AND ADJERBICE TO APPLICABLE BUILDING CODES FRORT TO COPTENCEPORT OF ANY CONSTRUCTION. AND INSCREPANCY OF ERROR IN NOTES DEPOSITION, OR OTHERWISE OF APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CORRECTION BEFORE COPTENCIESTOR OF ANY CONSTRUCTION.
ANY REVISIONS OR CHARKES, INT RELATED TO THE DRAFFERS OFFICE FOR ADDITIONAL FLESS.
F ANY TOOGRAPHS AS THE MED TO THEE PLANS BY ANY OTHER PARTY OTHER THAN THE DRAFFERS OFFICE, THE DRAFFER SHALL NOT BE HELD RESPONSIBLE.









FIRST FLOOR PLAN OPTIONS





DRAWINGS ON II"xi1" SHEET ARE ONE HALF THE SCALE NOTED

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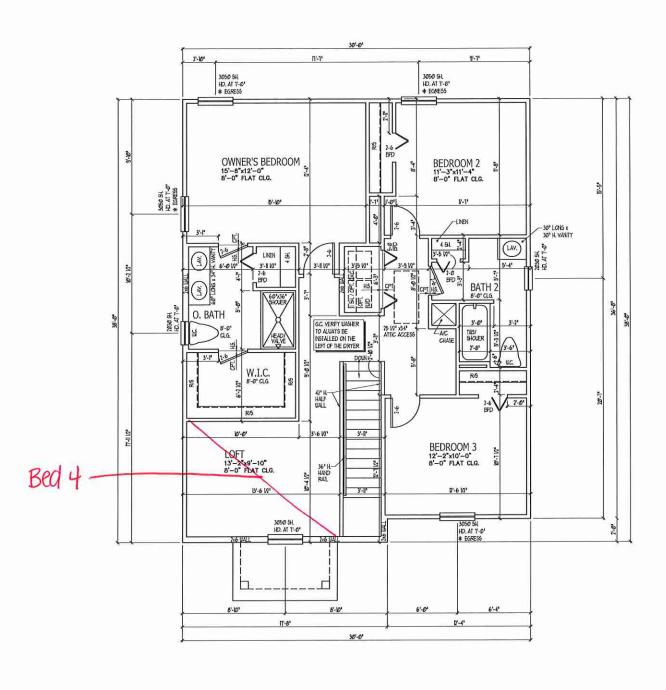
TITLE MAIN FLOOR PLAN OPTIONS

ISSUAVE OF PLANS FROM THIS DRAFFERS OFFICE SHALL NOT RELIEVE THE BULDER OF RESPONSIBILITY TO REVIEU AND VERRY ALL NOTES, DYENSIONS, AND ADTERDICE TO APPLICABLE BULDNS CODES FROM TO COTTENCEDEN OF ANY COSTRICTION.

ANY DISCREPANCY OF ERROR IN NOTES DIPENSIONS, OR ADTERDICE TO APPLICABLE BULDNS CODES SHALL BE PROVAIT TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CORRECTION BEFORE COTTENCEDER OF ANY COSTRICTION.

AIT REVISIONS OR CHANGES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL, PLANS HAVE DEED COTTENED SHALL BE SUBJECT TO ADDITIONAL FLESS.

FAIT NOTHER AIDEA SHAVE DEED TO THEE FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFFTERS OFFICE, THE DRAFFTER SHALL NOT BE HELD RESPONSIBLE.







DRAWINGS ON 11"x17" SHEET ARE ONE HALF THE SCALE NOTED

Right) FREELANCE (Garage H&H HOMES

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TITLE UPPER FLOOR PLAN

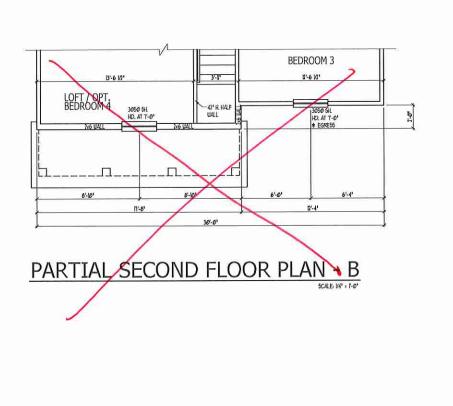
SECOND FLOOR PLAN A

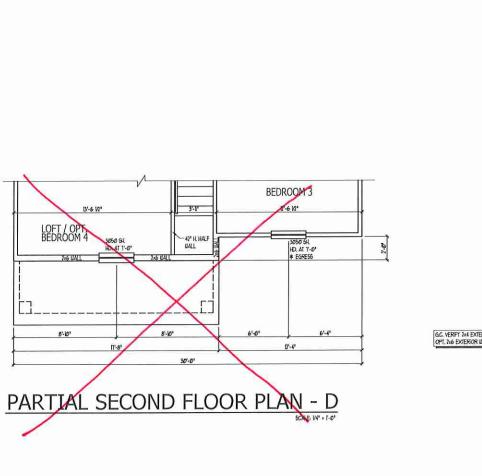
ISSUACE OF PLANS FROM THIS DRAFTERS OFFICE SHALL NOT RELIEVE THE BUILDER OF REPROXIBILITY TO REVIEU AND VERRY ALL NOTES, DYENSIONS, AND ADTERRACE TO APPLICABLE BUILDING CODES FRORT TO CONTENCEDENT OF ANY CONSTRUCTION.

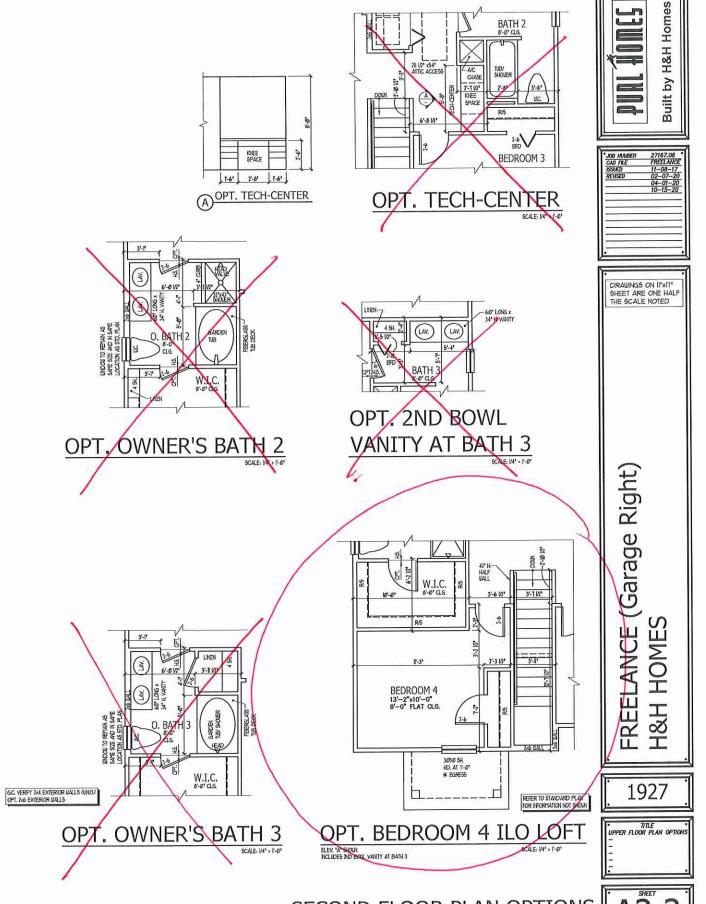
ANY DISCREPANCY OF ERROR IN NOTES, DYENSIONS, OR ADTERRACE OF APPLICABLE BUILDING CODES SHALL BE BROWNED TO THE ATTENTION OF THE DRAFTERS OFFICE FOR CORRECTION BEFORE COTTENCEDEN OF ANY CONSTRUCTION.

ANY REMISSION OR CHAVES FOR THE ATTENTO OF THE DRAFTERS OFFICE FOR EXPRESS THAT ARE HADE AFTER THE TRALE HAS HAVE BEEN COFFLETED SHALL BE SUBJECT TO ADDITIONAL FIELS.

FAIRT MODIFICATIONS ARE PLADE TO THESE PLANS BY ANY OTHER PLANT OTHER THAN THE DRAFTERS OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.







ISSUACE OF PLAS FROM THIS DRAFFERS OFFICE SHALL NOT RELEVE THE BUILDER OF RESPONSIBILITY TO REVIEW ARD VERRY ALL NOTES, DYENSIONS, AND AGRERACE TO APPLICABLE BUILDING CODES FROM TO COTENCEMENT OF ANY CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN INTERS, DYENSIAGS, OR ADMERSIAGE OF APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CORRECTION BEFORE COTENCEMENT OF ANY CONSTRUCTION.

ANY REVISIONS OR CHAVES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE RIVAL PLASS HAVE DEBY COTELED SHALL BE SUBJECT TO ADDITIONAL FIELS.

FAIT MODELCHIORS ARE MODE TO THESE PLASS OF ANY OTHER THAN THE DRAFFERS OFFICE, THE DRAFFER SHALL NOT DE HELD RESPONSIBLE.

SECOND FLOOR PLAN OPTIONS

## ELECTRICAL KEY

DIFLEX COMPIENCE CITIES

DUPLEX CUILET ABOVE CONTER

HO LEATHERPROOF DUPLEX CUTLET HOLE GROUND FAULT MIERRUPIER DUPLEX CUILET

HALF-OUTGRED DUPLEX GUTLET

AT DIFFER CUTILET N.H.COR

120 VOLT OUTLET

MALL BUTCH

\$3 THREE-MAY BUTTON

FOUR-MAY BURICH

\$D DHER BUTCH

CELING HOLNTED INCANDEDCENT LIGHT FIXTURE MATT HORIZED INCONDESCENT TRAIL EXTREE

RECESSED INCANDESCENT LIGHT FIXTURE

HIGH FAMILE WITH PLLL CO
TRACK LIGHT
HUGKERCHT LIGHT FAMILE
DOWNER FAM LIGHT FIXTURE WITH FULL CHAIN

EDITURED FANALICIAIT COMBINATION ELECTRIC DOOR OPERATOR (OPTIONAL)

CHIPES (OPTIONAL)

PUBLISHITION SHITCH (OPTIONAL)

CARBON HONOXIDE DETECTOR

 SHOKE DETECTOR SOS EHOKE / CARBON HOND, CONBO DETECTOR

TELEFHORE (OPTIONAL)

TELEVISION (OPTIONAL) THERMOSTAT

DE ELECTRIC PETER
ELECTRIC PARE

DISCONNECT BUTCH

STEAKER (OPTICIANL)

POUGH-N FOR OPT, CEILING FAN

CELLING HOUNTED INCANDEDCENT LIGHT FOXURE IN ROUGH IN FOR OFT. CELLING FAH

#### NOTES:

I. PROVIDE AND INSTALL <u>GROUN FALT CROUT-MERRUPTERS</u> (GFL) AS INDICATED ON FLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.

ALL BYOKE DETECTORS BHALL BE HANDWIRD INTO AN ELECTRICAL POWER COUNCE AND BHALL BE EXCUPTED WITH A HONTORED BATTERY BACKUP, PROVIDE AND INSTALL LOCALLY CERTIFED BYOKE DETECTORS.

4. ALL BA AND MAR RECEPTACLES IN GLEFPIG ROCHS, FAHLY ROCHS, DANG ROCHS, LIMAS ROCHS, PIRLOTAS, LERVINES, DEIS, BLINCOCHS, RECREATION ROCHS, CLOSETS, HALLIMATS, AND BHILAR AREAS INL. RECUIRE A CATEMATION THE AFCL DEVICE AND THE PER PROCE RECEPTACLES HER NEC. 2014 4663 AND 46615

5. ALL BA AND 20A DOV RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GFCL PROTECTED (GF1)

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL BONK IS IN RILL COMPLIANCE WITH NOPA 16, NEC. 201, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

'L EVERY BULDING HAVING A FORBL-REL-BURNING HEATER OR AFFLIANCE, REPLACE, OR AH ATTACKEY GARACE BHALL HAVE AN OFERATIONAL CARECH KONCODE DETECTOR INSTALLED WITHIN UP HET OF EACH ROCH WED FOR BLEEPING

8. ALAPI'S SHALL RECEIVE THEIR PROTATE POWER FROM THE BUILDING WIRNS WERE BLICH WIRNS IS SERVED FROM THE LOCAL POWER WILLITY, BLICH ALAPIS SHALL HAVE BUTTER'S MANUEL COMPANION WINDSCHAPPING HAVE ANALYSE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

MOUNCE OF FLANS FROM THIS DRAFFERS OFFICE SHALL NOT RELEVE THE BUILDER OF REPORTED HAD VERSET ALL NOTES, DYENKONS, AND ACHERENCE TO APPLICABLE BUILDING CODES FROM TO CONTRECTE HAVE CONSTRUCTION.

ANY DRAFFANCY OF BROKE HAVINGE, DYENNAM, OR ACHERENCE TO APPLICABLE BUILDING CODES SHALL BE ERROLATE TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CORRECTION BEFORE CONTRECTED OF ANY CONSTRUCTION.

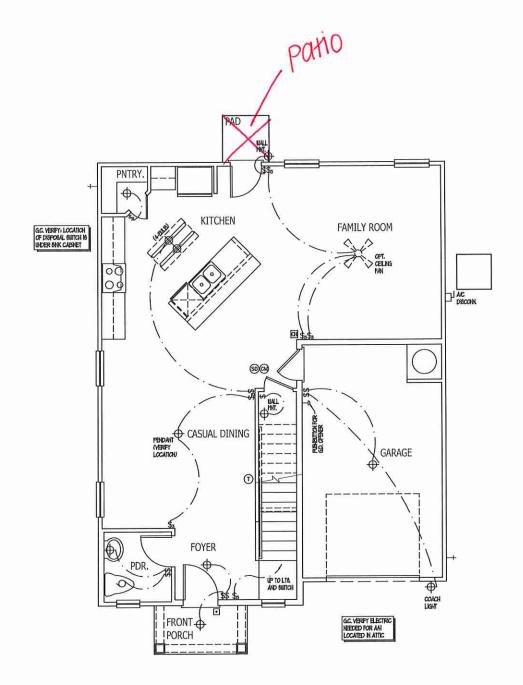
ANY REVISIONS OR CHARLES, HOT RELATED TO THE CORRECTION OF BROKES THAT ARE THOSE AFTER THE TRAL FLANS HAVE BEEN CONTRECTED SHALL BE SIBBLET TO ACCOUNTANT HEAD.

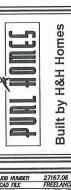
FAIR THOSE HAVE I LANS HAVE BEEN CONTRETED SHALL BE SIBBLET TO ACCOUNTANT HEAD.

FAIR THOSE HAVE BEEN CONTRETED SHALL BE SIBBLET TO ACCOUNTANT HEAD.

FAIR THOSE HAVE BEEN CONTRETED SHALL BE SIBBLET TO ACCOUNTANT HEAD.

FAIR THOSE HAVE BEEN CONTRETED SHALL BY SHAFFOR PRINT OTHER THAN THE DRAFFERS OFFICE, THE DRAFFER SHALL NOT BE HELD RESPONSIBLE.







Right) O (Garage HOMES FREELANCE H&H

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FIRST FLOOR ELECTRICAL PLAN A

#### ELECTRICAL KEY

DIFLEX COMPNENCE CUTLET

HE DUPLEX CUILET ABOVE COUNTER

HORA MEATHERFROOF DUPLEX CUTLET GROUND FALLT MIERREPIER DUPLEX CUTLET

HISTORICAED DUPLEX CUTLET

HO SPECIAL PURPOSE CUITLET

DIFLEX CUILET NILCOR

20 YOLT OUTLET

THREE-BLAY GUTCH FOUR-MAY BUTCH

\$D DHER SETCH

CEILING HOLNTED INCANDESCENT LIGHT FORTINE

WALL HOUNTED INCANDESCENT LIGHT FIXTURE

RECESSED INCANDESCENT LIGHT FOXURE

DOWNELDM TRAIL HOUNE

DOWNELDM TRAIL HOUNE

TRACK TRAIL

TRACK TRAIL

TRACK TRAIL

TRAIL BOUNE FILH LATT CHY LIGHT FOTURE WITH FULL CHAIN

DALAUST FANLIGHT COMBINATION

ELECTRIC DOOR OPERATION ELECTRIC DOOR OPERATOR (OPTIONAL)

CHEEN COPTIONAL)

PUBLISHTON BUTCH (OPTIONAL) CARBON HONOXODE DETECTOR

(9) 6HOKE DETECTOR

SOD SHOKE / CARBOOL HOND, COMBO DETECTOR

☐ TELEPHONE (OPTIONAL)

TELEVISION (OPTIONAL) THEIN COTAT

IN ELECTRIC METER

ELECTRIC PAREL \_\_\_ DISCONECT SUTCH

⊗ SPEAKER (OPTIONAL)

HOUSELN FOR OPT. CELLING FAN

CELING HOUNTED INCANDERCENT LIGHT FOXIVE IV

#### NOTES:

1. PROVIDE AND INSTALL GROUND FALLT CROUT-INTERPUPTERS (GFL) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.

2. INLESS OTHERINE NOKATED, NOTALL SUITCHES AND RECEPTACLES AT THE ROLLOWIS HEISTIG ABOVE FINISHED FLOOR SUITCHES..... 44\* CULTETS..... IF

TELEPHONE . JA" (INLESS ABY COUNTERTOP)
TELEVISION . JA"

3. ALL CHCKE DETECTORS CHALL BE HARDWIRED NTO AN ELECTRICAL POWER COUNCE AND CHALL BE EQUIPTED WITH A HONTORED BATTERY BACKLP. PROVIDE AND NOTALL LOCALLY CERTIFIED <u>CHCKE DETECTORS</u>.

4. ALL BA AND MAR RECEPTACLED IN BLEFFING ROCHS, FAFILY ROCHS, DANNE ROCHS, LIMNE ROCHS, PARLORS, LERVARED, DEIS, BURCCHS, RECREATION ROCHS, CLOSETS, HALLIAMS, AND WHILEY AREA WILL REQUIRE A COMBINATION TYPE AFGL DEVICE AND TAMPER-PROCF RECEPTACLED FER NEC. 2011. 4660 J. AND. 46615

5. ALL BA AND 28A DBY RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GECL PROTECTED (GEL).

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL BOOK IS NIFILL CONFLANCE WITH NEPA TO, NEC. 2011, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

"LEVERY BULDNS HAVNS A ROSOL-RIEL-BURNINS HEATER OR AFFLIANCE, RISEFLACE, OR AN ATTACKED GARAGE BUAL HAVE AN OFERATIONAL CARECH HOMOZODE DETECTOR NISTALLED WITHIN NO HEET OF EACH ROCH WIED FOR GLEEPING FURFOCKES.

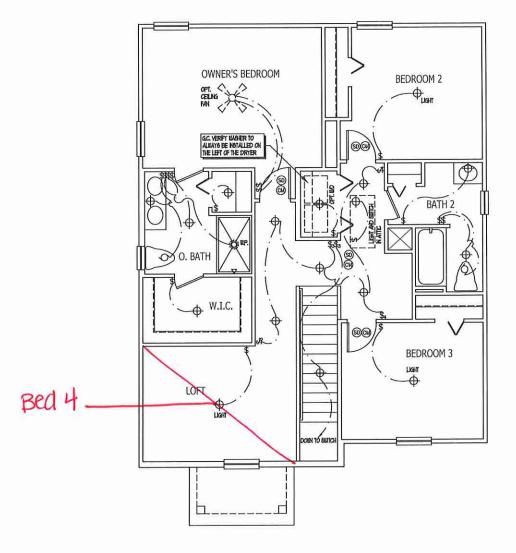
8. ALAPIS GHALL RECEME THER PROTARY POWER FROM THE BUILDING WIRNS WEN BUCH WIRN'S BERFED FROM THE LOCAL POWER WILLTY, BUCH ALAPIS SHALL HAVE BUTTERY BUCKIPL COMBINITION OF CREATERS THE MOVED ALAPIS SHALL BE LINED OR LIBELED BY A NATIONALLY RECORATED TRETTING LIBERATIONY.

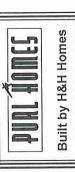
ISSUANCE OF FLANS FROM THIS DRAFTER'S CIFICE SHALL NOT RELEVE THE BUILDER OF REPORTED HIS DREAM AND DREAM ALL NOTES, DYENKORS, AND ADMERSIVE TO APPLICABLE BUILDING CODES FROM TO COPYRECIDENT OF ANY CONSTRUCTOR.

ANY DROFT-PRINCY OF BROKE NIVERS, DYENSANO, OR ADMERSIVE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S CIFICE FOR CORRECTION BEFORE COPYREIGHT OF ANY CONSTRUCTION.

ANY REVISION OF CHANGES, NOT RELATED TO THE CORRECTION OF BROKES THAT ARE INVOLVED THE THAN HAN BLAY BEEN COPYRED OF ALL BE SUBJECT TO ADDITIONAL HEIS.

FAIR THOSPLATURES ARE INVOET OF THESE FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE TO THE SET FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE TO THE SET FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE TO THE SET FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE OFFICE TO THE SET FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE OFFICE OFFICE OFFICE OTHER THAN BY ANY OTHER PARTY OTHER THAN THE DRAFTER OFFICE OTHER THAN BY ANY OTHER THAN THE PARTY OTHER







Right) Φ (Garage HOMES FREELANCE H&H

1927

TITLE UPPER FLOOR PLAN ELEC.

SECOND FLOOR ELECTRICAL PLAN A

### ELECTRICAL KEY

DUPLEX COMMINIBUTE CUTIENT

CONTINUE CONTINUE ABOVE CONTINUE

HEATHERPROOF DUPLEX CUTLET

GROUND FAILT INTERRUPTER DUPLEX CATLET

HE HALF-GUTGHED DUPLEX CATLET

HO OPECUL PURPOSE CUILET

DUPLEX CUILET N PLOOR

229 VOLT CUTLET

THREE-MAY SETICH FOUR-MAY BUTCH

CELLING HOUNTED INCANDERCENT LIGHT FIXTURE

DIMER SUTCH
CELLIS HOUNTED WILL HOLNTED INCARDENCENT LIGHT FIXTURE

RECESSED INCANDESCENT LIGHT FIXTURE LIGHT FIXTURE WITH FULL CHAIN

TRACK LIGHT FAVINGE WITH FALL CH
HILDRENCENT LIGHT FAVINGE
DEMANDS FAVI

DAMUST FAMILIANT COMBINATION

ELECTRIC DOOR OFERATOR (OPTIONAL)

CHIEB (OPTIONAL)

FUELEUTTON BUTTON (OPTIONAL) CARBON HONOXIDE DETECTOR

SHOKE DETECTOR

@@ @HOKE / CARBON HOND, COMBO DETECTOR

H TELEPHONE (OPTIONAL) THEMSION (OPTIONAL)

① THERMOSTAT
DIE ELECTRIC HETER

ELECTRIC PAREL

\_ DISCONECT SUITCH Ø BFEAKER (OPTIONAL)

TO ROUGH N FOR OPT, CELLING FAN

CELING HOUNTED INCANDERCENT LIGHT FIXTURE IN ROUGH H FOR OPT, CELING FAN

#### NOTES:

I , PROVIDE AND INSTALL <u>GROUND FALLT CIRCUIT-NTERRUPTERS</u> (GFL) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 8 BELOW INDICATES.

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

3. ALL BYCKE DETECTORS GIVLL BE HARDWIRED INTO AN ELECTRICAL POWER GOINCE AND GIVALL BE EQUIPTED WITH A HANTORED BATTERY BACKUP, PROVIDE AND INSTALL LOCALLY CERTIFED BYCKE DETECTORS.

4. ALI BA AND 26A RECEPTACLES IN QUEPPAS ROCHS, FAPILY ROCHS, DINNS ROCHS, LIMAS ROCHS, PARLORS, LERANSES, DENS, BLROCHS, EGGERATION ROCHS CLOSETS, HALLIAMS, AND SHLAR AREAS ILLI, BEQUIPE A COMPANION TITE AFCL DEVICE AND THYPEN-PROCH RECEPTACLES FER NEC. 264 46621 AND 46615

5, ALL BA AND 26A DOV RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GECL PROTECTED (GEIX

6. IT IS THE RESPONDIBILITY OF THE LICENSED ELECTRICAN TO ENGINE THAT ALL ELECTRICAL BOOK IS NIRLL CONFLANCE WITH NEPA 16, NEC. 2011, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

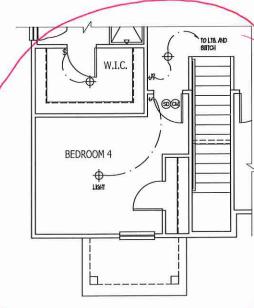
'L EVERY EULDN'S HAVNS A FOSOL-REL-EURNIN HEATER OR APPLIANCE, REEFLACE, OR MA ATTACHED GARACE BHALL HAVE AN OFERATIONAL CARBON HOROODE DETECTOR NOTALLED LITINH W HET OF EACH ROCH WED FOR BLEEPING

6. ALAPIS MALL RECENS THER FROMIT FOURS FROM THE BULDN'S LISTIN BIEN BUCH BING IS GERFED RECHT THE LOCAL PORTE VITLITY, BUCH ALAPIS GAVEL HAVE BUTTER'S PACIFIC CONSIGNATION MEDICAL/PROXINGOSE ALAPIS MALL BE LISTED OR LABELED BY A NATIONALLY RECORDED TESTING LABORATORY.

MULINICE OF PLANS FROM THIS DRAFFERS CIFICE SWALL NOT RELEVE THE MULDER OF RESPONDED TO TO EXPEULAD VERSON ALL NOTES, DYENSIONS, AND ADMERSING TO AFFLICABLE BULDING COORD PROOF TO CONTREME TO ANY DISCIPLENCY OF PROOF IN NOTES, DYENDENCY, OR ADMERSING TO AFFLICABLE BULDING COORD SWALL BE PROVIDED TO THE ATTENDION OF THE PRAFFING OFFICE FOR CORRECTION EFFORE CONTREMENT ON THE ATTENDION OF THE PRAFFING OFFICE FOR CORRECTION AFFORMS ON OR CHARLES NOT RELATED TO THE CORRECTION OF PROVIDED THAT ARE TWO ATTENDED TO ADMINISTRATION OF THE THE PLANS HE AND THE THE PLANS TO THE PLANS OF THE THE PLANS TO THE PLANS TO THE PLANS TO THE THEN THE PLANS TO THE PLA







OPT. OWNER'S BATH 3

QPT. BEDROOM 4 ILO LOFT HLEY, "A" SHOWN NCLIDED 20D BOOK, YANTY AT BATH 3

SECOND FLOOR ELECTRICAL PLAN OPTIONS

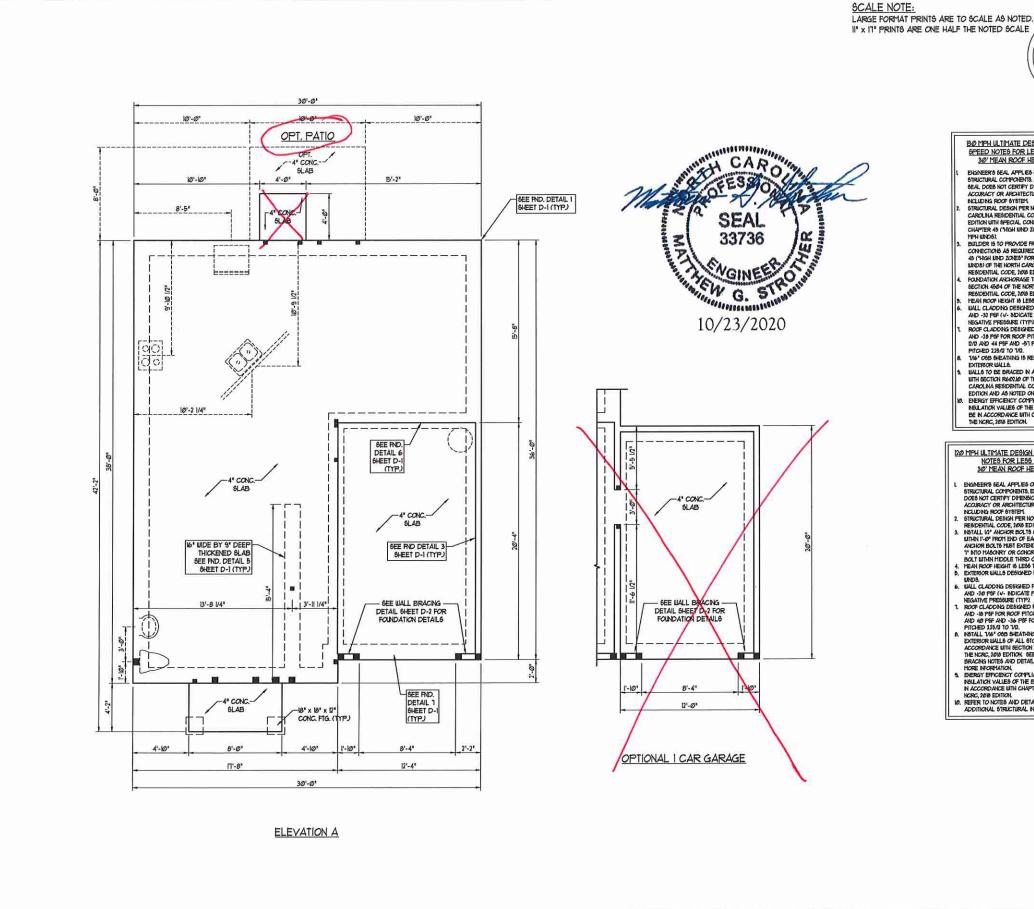


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Right) (Garage HOMES FREELANCE H&H

TITLE ELECTRIC AT PLAN OPTIONS

1927



50 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN

# 120 MPH ULTIMATE DESKAN WND SPEED. NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT!

30' MEAN ROOF HEIGHT:

ZOZ

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I.S. THOMPS ENGINEERING, 606 WADE AVE. SUITE DO PALEIGH, NO PHONE, (919) 785,0010

SEL TRANSPORT RECENTISTRUCTURAL COMPONENTS, DICARERS
SEAL DOES NOT CERTIFY DY PRISONAL
ACCURACY OF ASTERNITY DY PRISONAL
ACCURACY OF ASTERNITY DY PRISONAL
ACCURACY OF ASTERNITY DY
ROCKLINA SESDEMINAL COCE, 2016
DETION INTO SECULA COSSOPRATION TO
CHAPTER 40 ("NEW UND ZOAES" FOR BO
PEN UNDOS.

EDITION WITH SPECIAL CONSIDERATION TO CHAPTER 49 (HIGH WID OACE)\* FOR 80 MPH WIDDS, 19 FOR 90 MPH WIDDS 15 FOR 90 MPH WIDDS 15 FOR 90 MPH WIDDS 10 FOR 90 MPH WIDDS 10 FOR 90 MPH WIDDS 10 FOR 10 MPH CAPOLINA FERDENTIAL CODE, 1996 EDITION, FOUNDATION AND 10 FOR 1996 EDITION, FEMAL FOR 1997 EDITION 10 MPH CAPOLINA FEMAL CODE, 1996 EDITION, FEMAL FOR 1997 EDITION 10 MPH CAPOLINA FEMAL CODE, 1996 EDITION 10 MPH CAPOLINA FEMAL CODE, 1996 EDITION 10 MPH FOR ROCE PRICES 10 TO 10 MPH FOR ROCE PRICES 10 TO 10 MPH CAPOLINA FEMAL TO 10 FOR ROCE PRICES 10 TO 10 MPH FOR ROCE PRICES 10 MPH FOR MPH FOR ROCE PRICES 10 MPH FOR MP

20' MEAN ROOF HEIGHT.

1 DESNEEMS SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS, DESNEEMS SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS, DESNEEMS SEAL ACCURACY OF RECHITERINGAL LAYOUT NULLIDNS ROOF SYSTEM.

2 STRUCTURAL DESSION FER NORTH CAROLINA RESIDENTIAL CODE, 1606 EDITION.

3. INSTALL VI? ANCIONE DOLTS 6'-9'-0' OL AND WITHIN 1-9' FROST BOTH AS AN ACHOR BOLTS HAS EXCHICE FACIL CORREC ANALOR BOLTS HAS EXCHICE FACIL CORREC ANALOR BOLTS HAS EXCHICE TO THE HIGH SEAS HAS AND FEEL.

5. INSTALL VIOLENTIAL THE OF FLATE WITHIN 100-9.

6. WALL CLADONS DESIGNED FOR 455 PSF AND -10 PSF FOR ROOF FITCHES 100 TO 100 AD 40 PSF FOR ROOF FITCHES 100 TO 100 AD 40 PSF FOR ROOF FITCHES 100 TO 100 AD 40 PSF AND -10 PSF FOR ROOF FITCHES 100 TO 100 AND 40 PSF AND -10 PSF FOR ROOF FITCHES 100 TO 100 AND 40 PSF AND -10 PSF FOR ROOF FITCHES 100 TO 100 AND 40 PSF AND -10 PSF FOR ROOF FITCHES 100 TO 100 AND 40 PSF AND -10 PSF FOR ROOF FITCHES 100 TO 100 AND 40 PSF AND -10 PSF FOR ROOF FITCHES 100 TO 100 AND 40 PSF AND -10 PSF FOR ROOF FITCHES 100 TO 100 AND 40 PSF AND -10 PSF FOR ROOF FITCHES 100 TO 100 AND 40 PSF AND -10 PSF FOR ROOF FITCHES 100 TO 100 AND 40 PSF AND -10 PSF AND -1

NORC, 2019 EDITION

19. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

NATE: OCTOBER 23, 2020

FREELANCE H & H HOMES

SCALE 1/4" - 1'4" DRAWN BY PURL HOMES

ENGINEERED BY: WFB

SHEET: 3 OF: 13 S-1.2a

MONO SLAB FOUNDATION PLAN

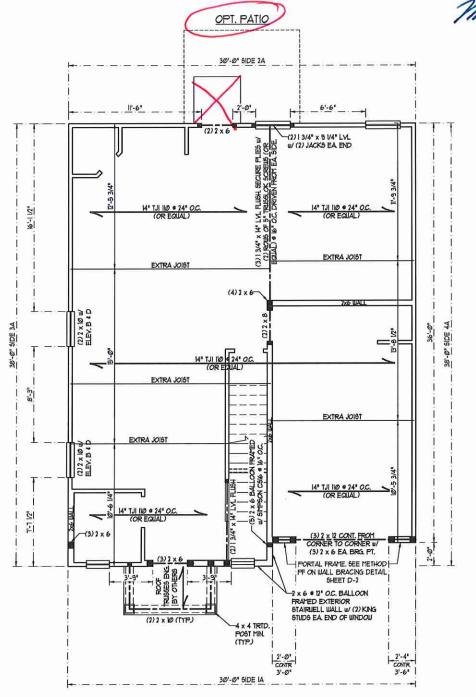
#### BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R60210 OF THE
- NCRC 2008 EDITION
  C5-WSP RETERS TO "CONTINUOUS SHEATHING WOOD
  STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL TAIL TO SES
  ON ALL EXTERIOR WALLS ATTACHED W 8d NAILS SPACED 6\*
- O.C. ALONG PANEL EDGES AND IZ" O.C. IN THE FIELD.

  GB REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL

  IZ" (MIN.) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 1" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM FLATES.
- BRACED WALL DESIGN APPLIED IN WIND TONES UP TO 13/0 MPH BRACEH WALD ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NORC 2016 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED

BRACED W	IALL DESIGN
RECTANGLE A SIDE IA METHOD: C5-U5P/FF	RECTANGLE B SIDE IB METHOD: C5-W6P/PF
TOTAL REQUIRED LENGTH: 9.88' TOTAL PROVIDED LENGTH: 14' SIDE ZA METHOD: C9-USP	TOTAL REQUIRED LENGTH: 238' TOTAL PROVIDED LENGTH: 6' SIDE 2B METHOD: C5-W5P
TOTAL REQUIRED LENGTH: 9.88' TOTAL PROVIDED LENGTH: 20' SIDE 3A METHOD: C5-U5P	TOTAL REQUIRED LENGTH: 2.38' TOTAL PROVIDED LENGTH: 12.0' SIDE 3B 1 4A COMBINED METHOD: C5-U5P/GB
TOTAL REQUIRED LENGTH: 801' TOTAL PROVIDED LENGTH: 32' SIDE 4A TETHOD: C5-USP TOTAL REQUIRED LENGTH: 801'	TOTAL REQUIRED LENGTH: 10:01 TOTAL PROVIDED LENGTH: 23:61 SIDE 48: METHOD: C9-WSP TOTAL REQUIRED LENGTH: 21
TOTAL PROVIDED LENGTH: 38'	TOTAL PROVIDED LENGTH: 20'



EW G. ST 10/23/2020

12'-0" SIDE 2B

(2) 2 x 6 EA BRG. PT.

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

12'-0" SIDE IB RECTANGLE B

OPTIONAL I CAR GARAGE

NOTE: BCI 4500s-18 JOISTS MAY BE INSTALLED IN LIEU OF TJI 100 JOISTS AT THE DEPTH AND SPACING INDICATED ON THE PLAN

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



I.S. THOMPS ENGINEERING, 606 WADE AVE. SUITE 104 PALEIGH, NO PHONE, (919) 789-9919

S

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 12 0 24" O.C. (UNO).

#### STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE SFF 12 (UNO). ALL TREATED LUMBER TO BE SYP 12 (UNO)
- ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO).
- INSTALL AN EXTRA JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS WHERE NOTED ON THE PLANS.
- UNDOU AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KNG STUD EA. END (UNO.), SEE TABLE R6/27.15 FOR ADDITIONAL KING STUD REQUIREMENTS.
- SQUARES DENOTE PONT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.)
  FOR HIGH WIND ZONES, ALL EXTERIOR
- WALLS TO BE SHEATHED WITH TIME OSB SHEATHING WITH JONTS 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 PANELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROUS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND 12" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FULL DEPTH. ALL 4 x 4 POSTS SHALL BE ANCHORED TO
- SLABS W 9 MP90N ABU44 POST BASES (OR EQUAL) AND 6 x 6 POSTS W ABU66 POST BASES (OR EQUAL) (UNO). ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS AT TOP (UNO) FOR FIBERGLASS, ALUMINUM, OR COLUMN
- ENG BY OTHERS, SECURE TO SLAB w/ (2)
  METAL ANGLES USING 2" CONC. SCREWS.
  FASTEN ANGLES TO COLUMNS w/ V4" THROUGH BOLTS W/ NUTS AND WASHERS LOCATE ANGLES ON OPPOSITE SIDES OF COLUMN. THROUGH BOLTS MUST BE NSTALLED PRIOR TO SETTING COLUMN.

  REFER TO NOTES AND DETAIL SHEETS FOR

TABLE R602.15 MINIMUM NUMBER OF FULL HEIGHT 6

ADDITIONAL STRUCTURAL INFORMATION.

HEADER SPAN	MAXIMUM STUD SPACING (NO (PER TABLE R6023/5)	
(PEEI)	16	24
UP TO 31	- 1	1
4'	2	1
8'	3	2
ימ	5	3
16'	6	4

TUDS OR WALLS	DATE: OCTOBER 25, 2020
(NCHES)	SCALE: 1/4" + 1/4"
3(5)	DRAWN BY: PURL HOMES
24	and the first characters.
1	ENGINEERED BY: WFB
1	
2	

SHEET: 7 OF: 13 S-2a SECOND FLOOR FRAMING PLAN

ELEVATION A

FREELANCE 1 & H HOMES

NO STRUCTURAL CHANGES FOR OPTIONAL OWNER'S BATHS NO STRUCTURAL CHANGES GIRDER TRUSS ENG. BY OTHERS W/ (3) 2 x 4 OR (3) 2 x 6 EA/ END ROOF TRUSSES ENG. BY OTHERS -2 x 6 e 12° O.C. BALLOON FRAMED WALL FROM BELOW OPTIONAL BEDROOM 4 ELEVATION A

SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.

11" 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 12 @ 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 12 = 24" O.C. (UNO).

#### BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN FER SECTION R60210 OF THE NCRC 10/18 EDITION.

  55-USP REFERS TO "CONTINUOUS SHEATHINS WOOD STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 17/6" OSB ON ALL EXTERIOR WALLS ATTACHED W 8d NAILS SPACED 6" OC. ALONS PANEL EDGES AND IS" OC. IN THE FIELD.

  43B REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL STANDARD TO STANDARD THE SEASON.
- I/2" (MIN) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH I I/4" SCREWS OR I 5/8" NAILS SPACED TO OC. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND
- BOTTOM FLATES.

  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:

EW G. 51

10/23/2020

- PER SECTION R601/032 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 RECOURSED.

  2. SHEATH ALL EXTERIOR WALLS WITH THE \* 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 SFF 12 (UNO). ALL TREATED LUMBER TO BE 5YP 12 (UNO) ALL LOAD BEARING HEADERS TO BE (2) 2 x
- UNDOW AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KING STUD EA, END (UNO.). SEE TABLE R602.7.5 FOR ADDITIONAL KING STUD REQUIREMENTS. SQUARES DENOTE POINT LOADS WHICH
- REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2)
- FORDATION ALL SCHARES TO BE (2)
  FOR HIGH WIND ZONES, ALL EXTERIOR WALLS
  TO BE SHEATHED WITH TIME OSB SHEATHING
  WITH JOINTS BLOCKED AND SECURED WITH
  BI NAILS AT 3" OC. ALONG EDGES AND 6"
- O.C. IN THE FIELD.
  FOR HIGH WIND ZONES, SECURE ALL
  EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROUG 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

ADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES (PER TABLE RGØ13(5))		
	16	24	
UP TO 3'	1	1:	
4'	2	Ĭ.	
8'	3	2	
ים.	5	3	
16'	6	4	

TABLE R600,75 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

ADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES (PER TABLE RGØ13(5))		
	16	24	
UP TO 3'	1	1:	
4'	2	1	
8'	3	2	
ים	5	3	
16'	6	4	

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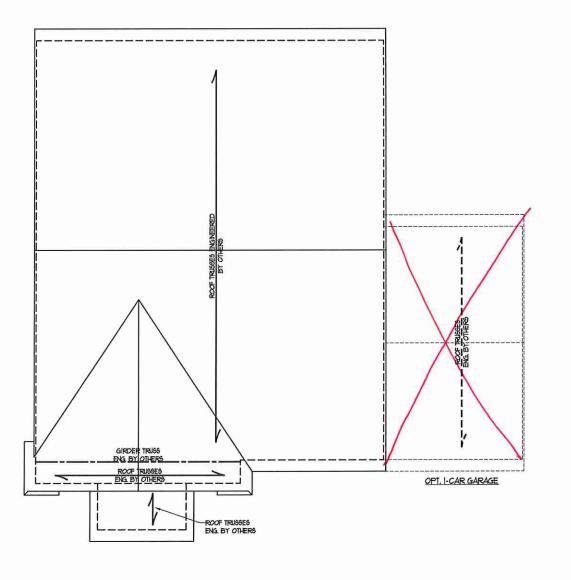
FREELANCE 1 & H HOMES

DATE-OCTOBER 23, 2020 SCALE: 1/4" - 1'0" RAWN BY, PURL HOMES

sheet, 9 оғ. 13

ENGINEERED BY WTB

S-3a CEILING FRAMING PLAN



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

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



ON 127605 921

(N) 180.00

STRUCTURAL NOTES:

STRUCTURAL NOTES:

ALL FRAMING LIMBER TO BE 12
SFF (INO).

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

FRAME DORFIER WALLS ON TOP
OF DOUBLE OR TRIPLE RAFTERS.

HIP SPLICES ARE TO BE SPACED
A MIN CF 8'-0". FASTEN
TEMBERS WITH THREE ROUS OF
12d NAILS \*0 16" OC. (TYP)

STICK FRAME OVER-FRAMED
ROOF SECTIONS W 2 x 8 RIDGES,
2 x 6 RAFTERS \*0 16" OC. AND
FLAT 2 x 40 VALLEYS TO
RAFTERS OR TRISSES WITH
SHIPPON NESA HURRICANE TIES \*0
21" OC. MAX. PASS HURRICANE
TIES THROUGH NOTCH IN ROOF
SHEATHING. EACH RAFTER IS TO
BE FASTEND TO THE FLAT
VALLEY WITH A MIN OF (6) 12d
TOE NAILS.

REFER TO SECTION RAPULIF THE
2018 NORCE FOR REGUIRED UPILIFT
RESISTANCE AT RAFTERS AND
TRISSES

REFER TO NOTES AND DETAIL
SHEETS FOR ADDITIONAL
STRUCTURAL INFORMATION.

FREELANCE H & H HOMES



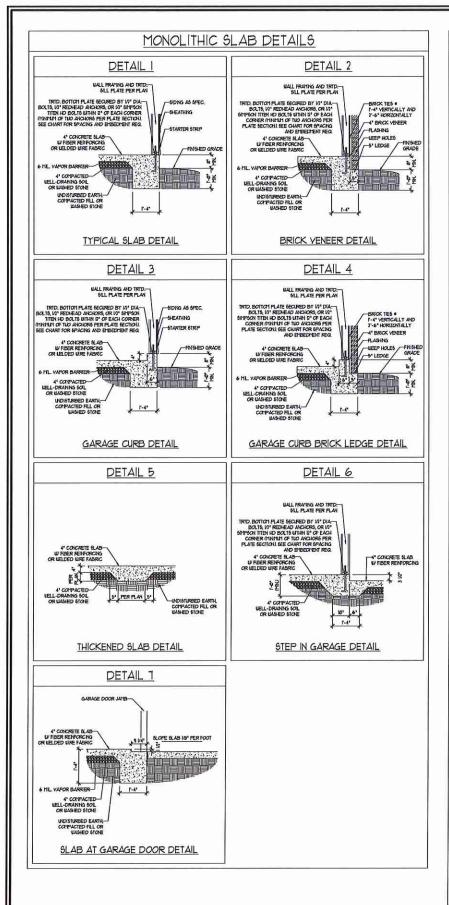
DATE OCTOBER 23, 2020 SCALE: 1/4" - 1'0"

DRAWN BY, PURL HOMES ENGINEERED BY: WFB

SHEET: 11 OF: 13

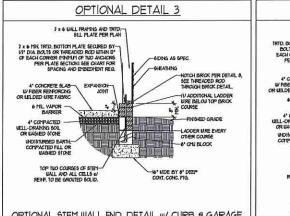
S-4a ROOF FRAMING PLAN

ELEVATION A



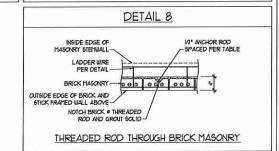
STEMWALL	_ DETAILS
<u>DETAIL I</u>	OPTIONAL DETAIL I
WILL FRANKS AND INID.  INID. BOTTOM PLATE ECONOLOGY BY UP DIA BOLTS OR THREADED BY UP DIA BOLTS OR CONTINUED BY UP DIA BOLTS OF THE BOL	ULL RAYED AD TRID.  SEL PAIR EFFECTION BELL PAIR EFFECTION OF LEEDE USE FARSE OF LEEDE USE FARSE OF LEEDE USE FARSE BASED BELL PAIR EFFECTION BELL
TYPICAL STEM WALL DETAIL (W/ OPTIONAL WATERTABLE)	OPTIONAL STEM WALL DETAIL
DETAIL 2	DETAIL 3
	HALL EDANAS AND TOTO

DETAIL 2	DETAIL 2
BULL FRANKS AND TRID  SLIF ALTE FOR FLAN  SLIF ALTE FOR FLAN  BOATCH FLANE SCORED BY 10" PLAN  FOR FLANE SCORED BY 10" PLAN  FLANE SCORE SCORED BY 10" PLAN  FLANE SCORED BY 10" PLANE  FLANE SCORED BY 10" PL	WAL FRANKS AND TRID SUL FLAIF EER FLAN TITID, BOTTOM PLAIF ECOROND BY MY DIA BOLTS OR INEADED RODS, WITH MY OF EACH CORNER GIVENT OF TO ANGLOWS FIRM FLAIF ECCHOLOUGH SUL ON THE
TYPICAL STEM WALL FND. W/ BRICK DETAIL	TYPICAL STEM WALL FND. DETAIL W/ CURB @ GARAGE



OPTIONAL STEM WALL FND. DETAIL W/ CURB @ GARAGE

	RIG AND INTO:
IRID. BOTTOM PLATE SECURED I BOLIS OR THREADED ROD & EACH CORNER INNIUM OF THE FER PLATE SECTIONS SEE SPACING AND BYSES	BY I/O DIA DIACONS OF MILES OF MICHAELY AND TASK THE SECOND OF MICHAELY AND TASK THE SECOND OF MILES OF THE SECOND
OR WELDED WIRE FASING  6 HEL YAPOR  BARRIER	
OR MASSED STORE UNDISTURBED EARTH. COMPACTED FILL OR MASSED STORE	LADDER UIRE EVERT OTHER CAUSE 0° O'D BLOCK
TOP TWO COURSES OF E WALL AND ALL CELL RENF. TO BE GROUTED SC	LS W TO UDE BY S' DEEP



AND CURB & GARAGE

	MASONRIS	TEMWALL SPE	CIFICATIONS		
WALL HEIGHT (FEET)	MASONRY WALL TYPE				
	8° CMU	4" BRICK AND 4" CHU	4" BRICK AND 8" CMJ	13, CUN	
2 AND BELOW	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED	
3	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED	
4	GROUT SOLID	GROUT SOLID w/ 44 REBAR # 48" O.C.	GROUT SOLID	GROUT SOLID w/ *4 REBAR # 64* O.C.	
Б	GROUT SOLID u/ "4 REBAR # 36" O.C.	NOT APPLICABLE	GROUT SOLID w/ *4 REBAR * 36* O.C.	GROUT SOLID W 44 REBAR # 64" O.C.	
6	GROUT SOLID w/ 14 REBAR # 24" O.C.	NOT APPLICABLE	GROUT SOLID w 14 REBAR # 24" O.C.	GROUT SOLID W 14 REBAR # 64" OC.	
6 1 AND GREATER	REBAR # 74" O.C.	Construction to a construction		REBAR # 64	

#### STRUCTURAL NOTES:

WALL HEIGHT PEASURED FRONT TOP OF FOOTING TO TOP OF THE WALL.

2. THE HULTIPLE WITHES TOCKETHER WITH LADDER WIFE AT 16" OC. VERTICALLY.

3. CHART APPLICABLE FOR HOUSE FORMOATION QLLY, CONSULT ENGINEER FOR DESIGN OF GARAGE FOUNDATION NOT COTYCON TO HOUSE.

4. BACKFILL OF CLEAN 51 1" AT WASHED STONE IS ALLOWABLE.

5. BACKFILL OF WILL DRAINED OR SAND - GRAVEL HINTINGE SOILS (45 PERFT BELOW GRADE)

CLASSFIED AS GROW! ACCORDING TO INFIED SOILS CLASSFIED AS GROW! A COCORDINGE WITH LABLE RABO) OF THE 70% INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

6. PREP 51. AD FER RESIO(2) AND ESSO(2) BASE OF THE 70% INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

10. LOCATE REBAR IN CENTER OF FOUNDATION WALL.

8. WHERE REGUIRED, FILL BLOCK SOILD WITH TYPE "S" MORTAR OR 3000 PSI GROWT, USE OF "LOW GREATER".

11. LOCATE REBAR IN CENTER OF FOUNDATION WALL.

12. GROWTH'S "PETHOD REQUIRED WHEN FILLING WALLS WITH GROWT AT HEIGHTS OF S" AND GREATER.

ANCHOR SPACING AND EMBEDMENT					
WIND ZONE	120 MPH	BØ MPH			
8PACING	6'-0" O.C.	4'-0' O.C.			
EMBEDMENT	יי	5" INTO MASONRY 1" INTO CONCRETE			



OZ ENGINEERING.

1. S. THOMPS

6.06 WADEAVE, SUITE 104 FALEIGH, NC. 27

FHONE, 1991) 788-981

NC. LICENSE PAG, 1973

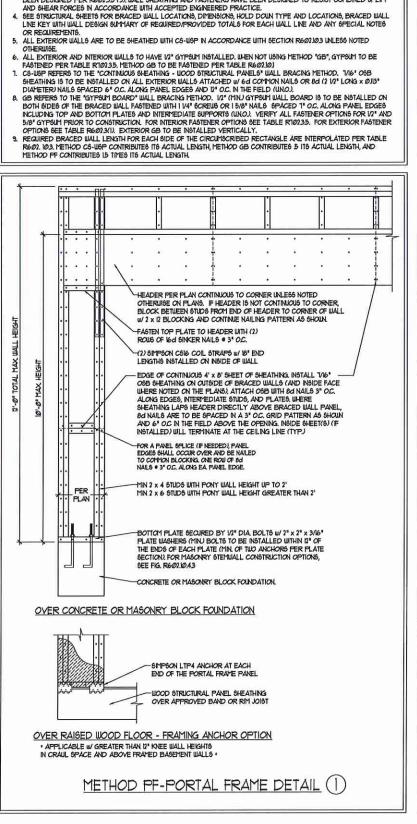
NC. LICENSE PAG, 1973

NC. LICENSE PAG, 1973

> WIND MPH ULTIMATE DESIGN FOUNDATION DETAILS MPH - 130

DATE: NOVEMBER 14, 2018 DRAWN BY: IST ENGINEERED BY: JES

D-1 FOUNDATION DETAILS

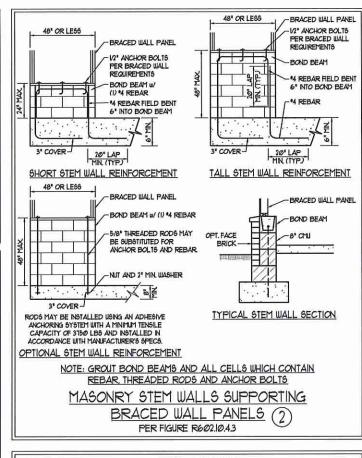


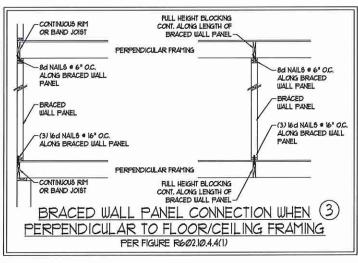
GENERAL WALL BRACING NOTES:

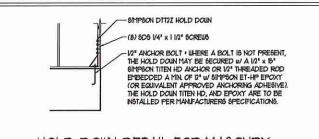
WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NCRC).

TABLES AND FIGURES REFERENCED ARE FROM THE 2018 NORC.
SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2018 NORC FOR ADDITIONAL INFORMATION AS NEEDED.
BRACED EXTERIOR WALLS SUPPORTING ROOF TRUSSES AND RAFTERS, INCLUDING STORIES BELOW THE TOP FLOOR, HAVE

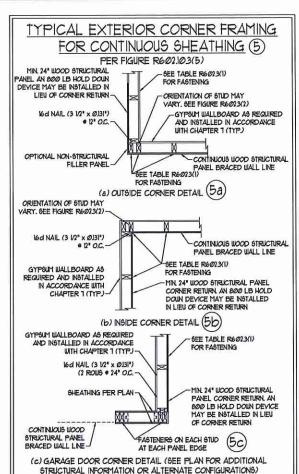
BEEN DESIGNED PER R60235 (3) WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLET







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



BRACED WALL PANEL CONNECTION WHEN

- ADDITIONAL FRAMING MEMBER DIRECTLY ABOVE

- BO NAILS • 6" O.C. ALONG BRACED WALL PANEL

-BRACED WALL PANEL

-(3) 16d NAILS . 16" OC.

ADDITIONAL FRAMING

ALONG BRACED WALL PANEL

MEMBER DIRECTLY BELOW BRACED WALL PANEL

BRACED WALL PANEL

PARALLEL TO FLOOR/CEILING FRAMING

PER FIG. R602,10.4.4(2)

CONTINUOUS RIM OR BAND JOIST

8d NAILS . 6" O.C. ALONG

BRACED WALL PANEL

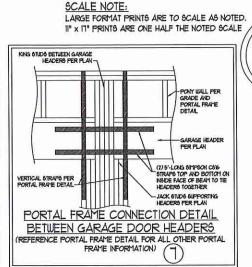
BRACED WALL PANEL

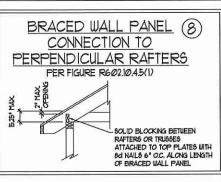
(3) IGA NAII A . IS OC

ALONG BRACED WALL PANEL

CONTINUOUS RIM W FINGER

JOISTS OR DBL BAND JOIST



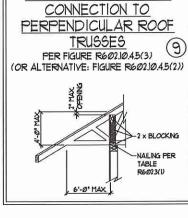


DESIGN WIND S S AND DETAILS MPH ULTIMATE I BRACING NOTES (9) 130 ALL 1 MPH. NAIL ING PER

OZ S

S. II

S Q E



ATE: OCTOBER 30, 2018 CALE 1/4" - 1'0" RAWN BY IST NGINEERED BY: JST D-2

BRACED WALL NOTES AND DETAILS AND PF DETAILS

SEAL 33736 VGINEER STRO This sealed page is to be used in conjunction with a full EW G. plan set engineered by J.S. Thompson Engineering, Inc. only. Use of this individual sealed page within dell'illiamente. architectural pages or shop drawings by others is a punishable offense under N.C. Statute § 89C-23

16" O.C. ALONG LENGTH OF

BRACED WALL PANEL

TOE NAIL (3) 8d NAILS AT

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

(2) 16d NAILS EA. SIDE

FULL HEIGHT BLOCKING .

16" OC ALONG LENGTH OF

AT EA BLOCKING

EA. BLOCKING MEMBER

-BRACED WALL PANEL

BRACED WALL PANEL

45550 MODERNOOP

CARO

10/23/2020

SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.

II" x 11" PRINTS ARE ONE HALF THE NOTED SCALE

# 

#### GENERAL NOTES

- ENSINEER'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 DIPONSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO I-JOIST OR FLOOR/ROOF TRUSS.
- 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 PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION
  WORK, NOR WILL THE BYSINEER BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE
  WITH THE CONTRACT DOCUMENTS.
- STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NCRC, 2018 EDITION (R3014 R3017)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)		
ATTIC WITH LIMITED STORAGE	20	100	L/140 (L/360 w/ BRITTLE FNISHES)		
ATTIC WITHOUT STORAGE	lø	10	L/36Ø		
DECKS	40	10	L/36Ø		
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	1Ø	L/36Ø		
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/360		
SLEEPING ROOMS	30	10	L/360		
STAIRS	40	10	L/36Ø		
WIND LOAD	(BASED ON TABLE R3Ø12(4) UIND ZONE AND EXPOSURE)				
GROUND BNOW LOAD: Pa	20 (PSF)				

- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/4800
- FLOOR TRUSS SYSTEMS DESIGNED WITH IS PSF DEAD LOAD
- 4. FOR 15 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE 15 TO COMPLY WITH SECTION R40316 OF THE NORC, 2018 EDITION. FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE 15 TO COMPLY WITH SECTION 4504 OF THE NORC, 2018 EDITION.
- 5. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NORC, 2018 EDITION.

#### FOOTING AND FOUNDATION NOTES

- L FOUNDATION DESIGN BASED ON A MINIMA ALLOWABLE BEARNG CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARNG CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARNG CAPACITY OF NOT ACHIEVED.
- 2. FOR ALL CONCRETE 6LABS AND FOOTINGS, THE AREA WITHIN THE PERIMETER OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP 501L AND FOREIGH MATERIAL, REMOVED, THE MALL BE COMPACTED TO ASSIGNED WHO SHOP FOR THE SHAB, AND EXCEPT WHERE APPROVED, THE FILL DETH'S SHALL NOT EXCEED 24 FOR CLEAN SAND OR GRAVEL. A 4\* THICK BASED CURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE FLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SHAB IS NISTALLED ON WELL-DRANED OR SAND-GRAVEL INTURES 501LS CLASSIFIED AS GROUP LACCORDING TO THE INITIOS SOIL CLASSIFIED AS GROUP LACCORDING TO THE INITIOS SOIL CLASSIFIED AS GROUP LACCORDING TO THE INITIOS SOIL CLASSIFIED AS
- PROPERLY DEWATER EXCAYATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE 6LAB IS AT OR BELOW WATER TABLE. IF
  APPLICABLE, 344" I" DEEP CONTROL JOINTS ARE TO BE SAIVED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE
  BEEN MAKED. ADJUST WHERE NECESSARY.
- 4. CONCRETE SHALL CONFORT TO SECTION R4022 OF THE NORC, 20/0 EDITION. CONCRETE RENFORCING STEEL TO BE ASTM A6/5 GRADE 6/0.

  WELDED WIRE FABRIC TO BE ASTM A6/5. MAINTAIN A MINIMUM CONCRETE COVER AROUND RENFORCING STEEL OF 3° IN POOTINGS AND 1 1/2° IN

  SLABS, FOR POURED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL THEASURED 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 DE LESS

  THAN 1 1/2° FOR 55 DARS OR SYMALER, AND NOT LESS THAN 2° FOR 16 DARS OR LARGER.
- MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL CONFORM TO ASTM C210.
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR UNFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS, PERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR S 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 RAVA OF THE NCRC, 2018 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NCMA TRASS-A OR ACE 530/ASCE 5/THS 401. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED FER TABLE RAVALUX), RAVALUX3, RAVALUX3, OR RAVALUX1 OF THE NCRC, 2018 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED FER TABLE RAVALUX5, OF THE NCRC, 2018 EDITION. 6TEP CONCRETE FOUNDATION WALLS AND TO BE REINFORCED FER TABLE WALLS AT IS TO BE REINFORCED FER TABLE WALLS AT IS TO BE REINFORCED.

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#### FRAMING NOTES

- L ALL FRAMING LUMBER SHALL BE 12 SPF MINIMUM (Fb = 815 PS), Fv = 315 PS), E = 16/00/00/0 PS) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE 12 SYP MINIMUM (Fb = 915 PS), Fv =115 PS), E = 16/00/00/0 PS) UNLESS NOTED OTHERWISE (UNO).
- LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb \*2600 P6), Fv \* 265 P6), Fc \* 1800000 P6).
   LAMINATED STRAND LUMBER (L6L) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb \* 2325 P6), Fv \* 310 P6), E \* 18500000 P6).
   PARALLEL STRAND LUMBER (P9L) UP TO "I" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc \* 2500 P6), E \* 18000000 P6).
   PARALLEL STRAND LUMBER (P9L) MORE THAN "I" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc \* 2500 P6), E \* 20000000 P6).
   PSI. INSTALL ALL CONNECTIONS FER MANUFACTURER'S SPECIFICATIONS.
- 3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

A W AND WT SHAPES: ASTM ASS2
B. CHANNELS AND ANGLES: ASTM AS6
C. PLATES AND BARS: ASTM AS6
D. HOLLOW STRUCTURAL SECTIONS: ASTM AS6
E. STEEL PIPE: ASTM AS3, GRADE B, TYPE E OR S

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

A WOOD FRAMING
(2) 1/3" DIA x 4" LONG LAG SCREUB
B. CONCRETE
(7) 1/3" DIA x 4" WEDGE ANCHORS
(7) 1/3" DIA x 4" WEDGE ANCHORS
(7) 1/3" 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 of (2) ROUS OF SELF TAPPING SCREUS & (6" O.C. OR (2) ROUS OF 12" DIAPATER

THE 2x NAILER IS SECURED TO THE TOP OF THE STEEL BEAM of (2) ROUS OF SELF TAPPING SCREUS & IS\* O.C. OK (2) ROUS OF 9/6\* DIAMETER BOLTS & IS\* O.C. IF 1/2\* BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED by (2) ROUS OF 9/6\* DIAMETER HOLES & IS\* O.C.

- 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 BEARNS 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) KINS STILD EACH END (INO.), WHICHEVER IS GREATER ALL HEADERS TO BE SECURED TO EACH JACK STILD WITH (4) 8d MAILS. ALL BEAMS TO BE SUPPORTED WITH (2) STILDS AT EACH BEARING POINT (INO). INSTALL KINS 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 MINIMM 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 IZ\* MINIMM BEARING (IND.). ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY MORE THAN (3) STUDS OR OTHER NOTED COLUMN ARE TO BEAR FILLY ON SUPPORT COLUMN FOR BITIRE WALL DEPTH (UND.). BEAM BIDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UND.).
- 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 (MAXMUM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS LOCATED AT 6" FROM EACH END (INO).
- 9. ALL 1-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
- IØ, BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2016 EDITION WALL BRACING CRITERIA. THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R60210.
- 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 SPECFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- IZ. 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 (UND). 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" OC. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO (?) 2 x 40" BLOCKING INSTALLED W (4) 12d NAILS EA PLY BETLEFU WILL STUDS WITH (?) ROUS OF 1/2" LAG SCREWS AT 12" OC. STAGGERED AND IN ACCORDANCE WITH SECTION R103821 OF THE NORC, 20/8 EDITION.
- B. FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-Ø'. FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SHOUN (UNO).
- FOR TRUSSED ROOFS: FRAME DORMER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUSSES. STICK
  FRAME OVER-FRAMED ROOF SECTIONS WITH 2 x 8 RIDGES, 2 x 6 RAFTERS AT 16" O.C. AND FLAT 2 x 10" VALLEYS (UNO).
- ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UND.) POSTS MAY BE SECURED USING ONE SYMPSON HS OR LIST UPLIFT CONNECTOR PASTENED TO THE BAYD AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST, ONE 16" SECTION OF SYMPSON COSIG COIL STRAPPING WITH (8) 80 HDG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIST STRAP IF DESIRED, FOR MASCHRY OR CONCRETE FOUNDATION USE SYMPSON POST BASE.

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

SEAL 33736

SEAL 33736

SEAL 33736

M. G. STROMM

DATE; NOVEMBER 14, 2018

DRAWN BY: JES

ENGINEERED BY: JST

S-0 STRUCTURAL NOTES