

INJUNCE OF PLANS FROIT THIS DRAFFER'S OFFICE SMALL NOT RELEVE THE BULDER OF RESPONSIBILITY TO REVEN IND VERFY ALL NOTES, DYDNIONS, AND ADJERRANCE TO APPLICABLE BULDNIS CODES PRIOR TO CONTREVENT OF ANY CONSTRUCTION. ANY DESCRIPTORY OF FROM IN NOTES, DYDNIONS, OR ADJERRANCE TO APPLICABLE BULDING CODES SMALL BE PROJUSTI TO THE ATTENTION OF THE DRAFFER'S OFFICE FOR CORRECTION BEFORE CONTRECTION OF ANY CONSTRUCTION.

ANY REVISIONS OR CHAVES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE THOSE THE THAT HAS THAN EVEN DEFINITION. ANY THE THE THAT HAS THAN EVEN DETERMINED SMALL BE SUBJECT TO ADDITIONAL FEES.

FAIT MODERATIONS ARE THADE TO THESE HANS BY ANY OTHER PARTY OTHER THAN THE DRAFFERS OFFICE, THE DRAFFER SMALL NOT BE HELD RESPONSIBLE.

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DAVIS BEWS DESIGN GROVE

BIO STATE STREET BAST CLUBAN, ROBINA 34877 818 - 928 - 1800 THL 818 - 928 - 1800 TAX WWW.DAVERSMILCOM

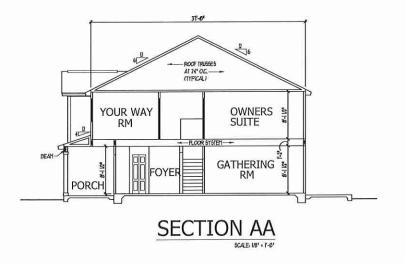
TAMPA · DENVER DRAWINGS ON II"xIT" SHEET ARE ONE HALF THE SCALE NOTED

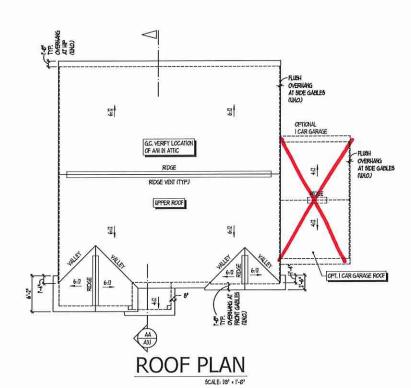
H&H HOMES PRELUDE

2435

FRONT ELEVATION DETAILS

ELEVATION "A" - TRADITIONAL GARAGE RIGHT





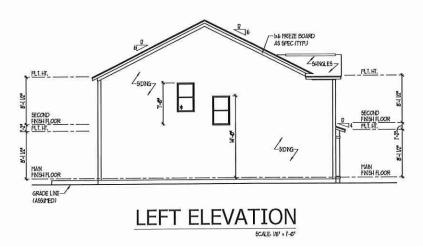
	ROOF VENT CALC	CULATIONS	
		MAIN ROOF	OPT, 1 CAR GARAGE
ATTIC AREA		(461 50. FT.	220 50 FT.
NET FREE YENT, AREA REGID (ANEASON)		701 50 N	106 50 N
NET FREE YENT. AREA REGURED	NEAR RIDGE	351 5Q N	53 50. N
	NEAR SOFFIT	351 6Q N	53 5Q N

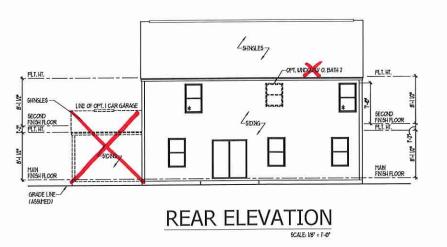
ISSUAVE OF FLANS FROM THIS DRAFFERS OFFICE SHALL NOT RELEVE THE BULDER OF RESPONSIBILITY TO REVISUAND VERRY ALL NOTES, DIVENSIONS, AND ADHERINGE TO APPLICABLE BULDING CODES PRIOR TO COTTENEMENT OF ANY CONSTRUCTION.

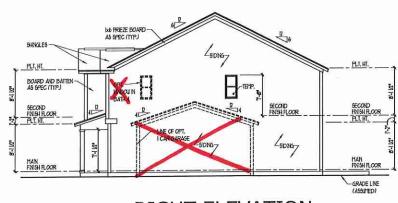
ANY DISCORPANCY OF ERROR INVESTED DIVENSION, OR ADHERINGE TO APPLICABLE BULDING CODES SHALL BE ERROLATED TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CORRECTION EFFORE CONTENEMENT OF ANY CONSTRUCTION.

ANY REVISIONS OR CHAVES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE HAVE AFTER THE FINAL FLANS HAVE BEEN CONTINUED SHALL BE SUBJECT TO ADDITIONAL FIELS.

FAIR TROPICATIONS ARE HAVE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE DRAFFERS OFFICE, THE DRAFFER SHALL NOT BE HELD RESPONSIBLE.







RIGHT ELEVATION





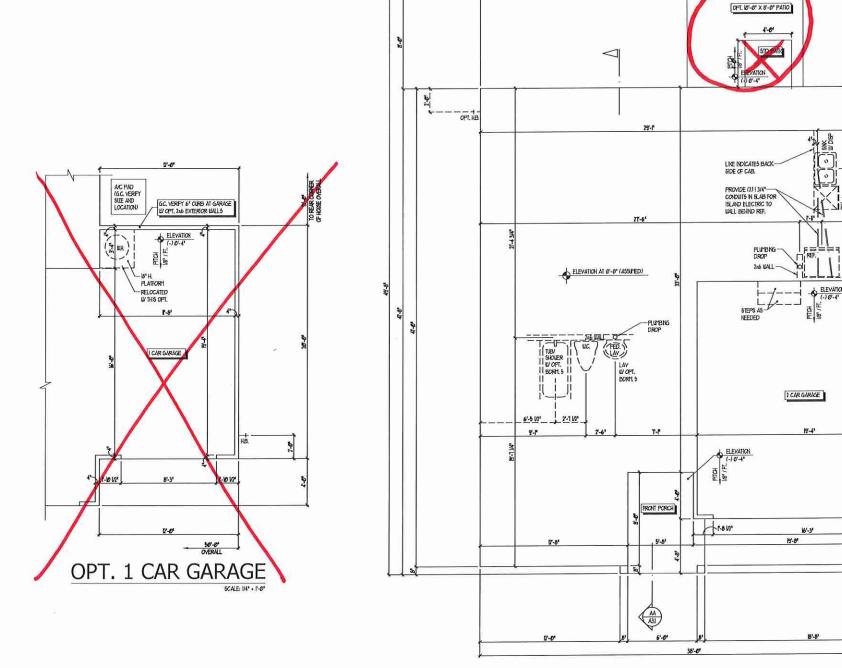


H&H HOMES PRELUDE

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TITLE
SIDE AND REAR ELEVATIONS
ROOF PLAN
BUILDING SECTION

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



11-10\*







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SLAB INTERFACE PLAN

GARAGE RIGHT

PROVIDE WATER LINE FOR ICE HAKER

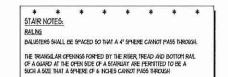
B'H\_FLATFORM

r-8 1/2"

GC VERFY INSTALLATION OF OVERHEAD GAS DROPS AT APPLICABLE APPLIANCE LOCATIONS

-Flumbing Drop

ISSUACE OF PLAS FROM THIS DRAFTER'S OFFICE SHALL NOT RELEVE THE BUILDER OF RESPONSIBILITY TO REVIEU AD VERTY ALL MOTES, DYENSIONS, AND ADMERBICE TO APPLICABLE BUILDING CODES FROM TO CONTENCE THE MOTES, DYENSIONS, OR ADMERSIAL TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE CONTENCED OR ANT DRAFTER'S OFFICE ATTENDED TO ANT OR ATTON OFFICE THAT ARE MADE. AFTER THAT, THE RIVEL, THAS SHALL BEST BOTH THE SHALL BE SELECT TO ADDITIONAL THES. IF ANY THOSPICATIONS OF ROWS THE TO THE PLANS BY ANY THE PROPERTY OFFICE TO THE PLANS BY ANY THOSPICATIONS ARE THOSE TO THE PLANS BY ANY THOSPICATION OF THE PLANS BY ANY THOSPICATION OF THE PLANS BY ANY THOSPICATION OF THE PLANS BY ANY THOSPICATION.

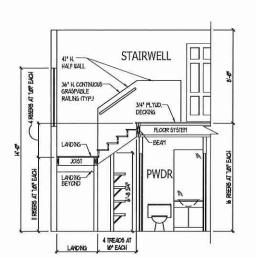


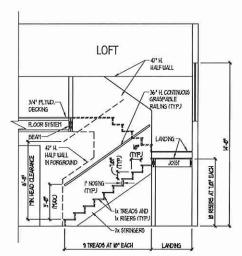
OFFINES FOR REQUEST GUARDS ON THE SIDES OF STAIR TREADS SHALL NOT ALLOU A SPIERE 4 3/8 NOTES TO PASS THROUGH

HADRALS HADRALS FOR STARBAYS SHALL BE CONTINUOUS FOR THE FILL LEWITH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE 10P RISER OF THE HUGHT TO A POINT DIRECTLY ABOVE THE LOUEST RISER HADRAL BIDS SHALL BE RETIRED OR SHALL TERMINATE IN THE LOSTS OR SHALL BE RETIRED TO SHALL TERMINATE IN THE LOSTS OR SHALL BE RETIRED TO SHALL BE ADMICED TO A DALL SHALL HAVE A SPACE OF HOT LESS THAN I-I/2 INCH BETWEEN THE WALL AND HANDRALS.

CONTINUOUS GRASPABLE HANDRAIL HUST MEET TYPE ONE OR TYPE TUD CRITERIA

\* \* \* \* \* \* \* \* \*





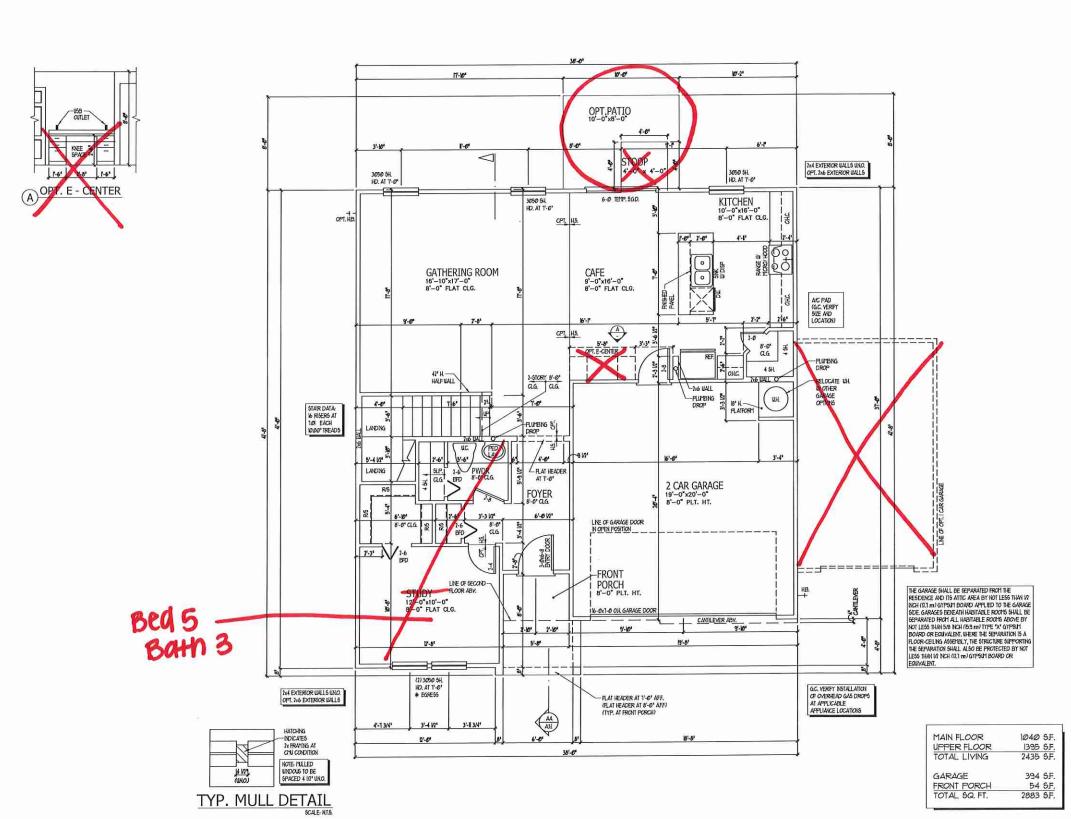
STAIR SECTION

W/ 8'-1" CLG.

ISSUACE OF PLANS FROM THIS DRAFFERS CIFICE SHALL NOT RELEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERRET ALL NOTES, DYENSIONS, AND ACHERICE TO APPLICABLE BUILDING CODES FRORT TO COTTENCETHEN OF ANY CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN NOTES, DYENSIONS, OR ACHERINE TO APPLICABLE BUILDING CODES SHALL BE PROUSH TO THE ATTENDION OF THE DRAFFERS OFFICE FOR CORRECTION EFFORE COTTENCETHEN 6 ANY CONSTRUCTION.

ANY REVISIONS OR CHANGES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE. AFTER THE TRIAL, PLANS HAVE BEEN COPPLIETED SHALL BE SUBJECT TO ACCILINATE, THESE PLANT FOR THOSE TO THE TOP TO THE THAT ANY DEPOSITION OF THE TRIAL THESE PLANT FOR THE TRIAL THE SHALL BY SUBJECT TO THE TRIAL THESE PLANT FOR THE TRIAL THE BUILDING TO THE PROPOSITION.







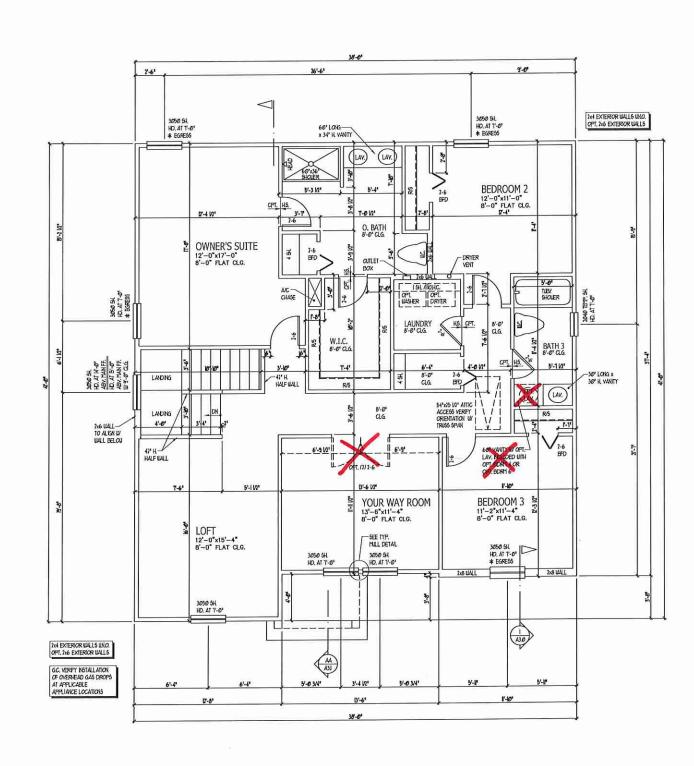


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MAIN FLOOR PLAN STAIR SECTION

MAIN FLOOR PLAN GARAGE RIGHT









H&H HOME PRELUDE

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• TITLE UPPER FLOOR PLAN

UPPER FLOOR PLAN GARAGE RIGHT

HATCHING - NOICATES 7x Frahing at Chu Condition

NOTE: MULLED UNDOUG TO BE SPACED 4 I/I' UNO.

H N3-

TYP. MULL DETAIL

ISSUANCE OF PLANS FROM THIS DRAFFERS OFFICE SHALL NOT RELIEVE THE BULDER OF RESPONSIBILITY TO REVIEW AND VERFY ALL NOTES, DYDISIONS, AND ADJERRANCE TO APPLICABLE BULDNYS CODES FROOR TO CONTENCING TO ANY DISCREPANCY OF ERROR NIVINES, DYDISIONS, OR, ADJERRANCE OF APPLICABLE BULDNYS CODES SHALL BE PRODUST TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CORRECTION BEFORE CONTENCETOR OF ANY CONSTRUCTION.

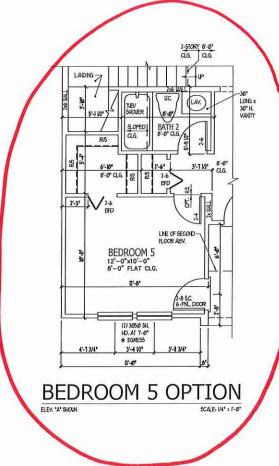
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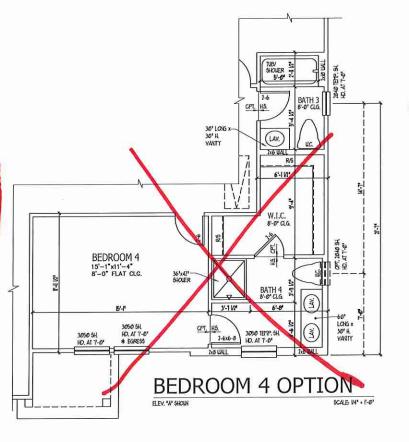
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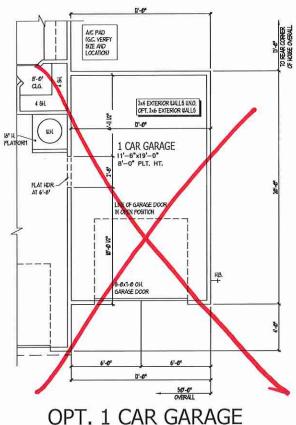












OPT. 1 CAR GARAGE

I CAR GARAGE (+) 24Ø S.F.

REFER TO STANDARD PLAN FOR INFORMATION NOT SHOUN

PLAN OPTIONS GARAGE RIGHT







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ISSUACE OF PLANS FROM THIS DRAFFERS OFFICE SHALL NOT RELEVE THE BUILDER OF RESPONSIBILITY TO REVEW AND VERFY ALL NOTES, DYENSIONS, AND ADHERENCE TO APPLICABLE BUILDINS CODES FROM TO CONTENCE TO ANY CONSTRUCTION.

ANY DISCREPANCY OF FROM NOTES, DYENSIONS, OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE BROWNED TO THE ATTENDION OF THE DRAFFERS OFFICE FOR CORNECTION BEFORE COTTENCEDED OF ANY CONTENCED NAME BY ANY FROM SHALL BE SUBJECT TO ADDITIONAL TIESS.

FAIT MODERCAINGS ASE TAME TO THESE THAN SID ANY OTHER PARTY OTHER THAN THE DRAFFERS OFFICE THAN THE DRAFFERS OFFICE.

# ELECTRICAL KEY

- DUPLEX CONVENENCE OUTLET
- DUPLEX OUTLET ABOVE COUNTER
- LEATHERFROOF DUPLEX CUILET
- HORAND FALL NIERRUPTER DUPLEX OUTLET
- HALF-SMTCHED DUPLEX CUTLET
- HO SPECIAL PURPOSE OUTLET
- DUPLEX OUTLET N FLOOR
- 200 VOLT OUTLET
- THREE-WAY SWITCH FOUR-WAY SUTCH
- \$D DIMER SUITCH
- CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
- WALL MOUNTED INCANDESCENT LIGHT FIXTURE
- 0 RECESSED INCANDESCENT LIGHT FIXTURE
- → CAN LIGHT FIXTURE WITH PULL CHAN

  TRACK LIGHT
- FLUORESCENT LIGHT FIXTURE
- EXHAUST FAN
- EXHAUST FAVILIGHT COMBNIATION
- ELECTRIC DOOR OPERATOR (OPTIONAL)
- CHMES (CPTICAUL) PUSHBUTTON SUITCH (OPTIONAL)
- (A) CARBON MONOXIDE DETECTOR
- ⊚ SMOKE DETECTOR ®⊗ 540KE / CARBON HONO, COMBO DETECTOR
- TELEPHONE (OPTIONAL)
- TELEVISION (OPTIONAL)
- THERMOSTAT
- ELECTRIC METER ELECTRIC PANEL
- DISCONECT SUITCH
- ⊗ SPEAKER (OPTIONAL)
- THE ROUGH-IN FOR OPT, CEILING FAN
- CELLING HOUNTED INCANDESCENT LIGHT FIXTURE IN ROUGH-IN FOR OFT, CELLING FAM

I. PROVIDE AND INSTALL GROUND FALLT CIRCUIT-INTERRUPTERS (GFL) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOU INDICATES.

1. Unless otheruse ndicated, install sutices and receptacles at the followns heights above insked floor suitices. ... 41' outlets...... II'

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

3. ALL SYCKE DETECTORS SHALL BE HARDURED NTO AN ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP, PROVIDE AND INSTALL LOCALLY CERTIFIED <u>SYCKE DETECTORS</u>.

4. ALL BA NO TOA RECEPTACLES IN BLEFFIG ROOTS, FATILY ROOTS, DAING ROOTS, LINNE ROOTS, PARLORS, LIRARRES, DEIS, SURCOTS, RECREATION ROOTS, COSETS, HALLIAYS, AND SYLLAR AREAS WILL REQUIRE A COTENHALION TITLE AFCI. DEVICE AND TATETER-PROOF RECEPTACLES HER NEC. 104 406.0 AND 406.0

5. ALL 5A AND YOA IYOV RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GFCL PROTECTED (GFIX

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICAN TO BYSINE THAT ALL ELECTRICAL WORK IS IN RALL COMPLIANCE WITH MPPA 10, NEC. 2011, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

LEVERY BULDING HAVING A FOSSIL-REL-BURNING HEATER OR APPLIANCE, FREEPLACE, OR AN ATHOLED GARACE SHALL HAVE AN OPERATIONAL CARBON WOLNODE DETECTOR INSTALLED UTHIN 10 HEET OF EACH ROOM USED FOR SLEEPING PURPOSES.

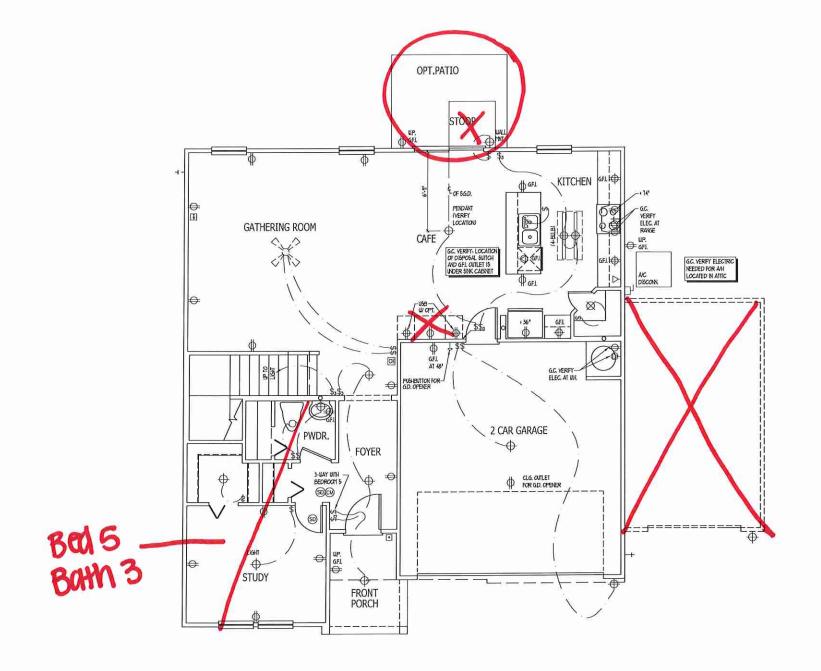
A. ALAPIS SHALL RECEIVE THEIR PROTARY POLER FROM THE BULDING URBY WHEN SUCH URBY IS SERVED RECHT THE LOCAL POLER UTILITY. SUCH ALAPIS SHALL HAVE BATTEST BACKLY COTEMATION STREAKED/ARBY ALARDOS ELAPIS SHALL BE LISTED OR LAPELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

ISSUACE OF PLAS FROM THIS DRAFTERS OFFICE SHALL NOT RELIEVE THE BULDER OF RESPONSIBILITY TO REVIEW AND VEREY ALL NOTES, DYENSIONS, AND ACKERSINGE TO APPLICABLE BULDING CODES FROOR TO COTTENCETHER OF ANY CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN NOTES, DYENSIONS, OR ADVERSIVE TO APPLICABLE BULDING CODES SHALL BE ERRORATED TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORNECTION EFFORE COTTENCETHE OF ANY CONSTRUCTION.

ANY REMINISTION OR CHANGES NOT RELIEDED TO THE CORNECTION OF ERRORS THAT ARE MADE AFTER THE RIVAL PLASS HAVE EBEN COTTELETED SHALL BE SUBJECT TO ACCITIONAL FIELS.

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









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MAIN FLOOR ELECTRICAL PLAN GARAGE RIGHT



# ELECTRICAL KEY

- DUPLEX CONVENIENCE OUTLET
- HE DUPLEX OUTLET ABOVE COUNTER
- HOLE, LEATHERFROOF DUFLEX CUTLET
- $\biguplus_{ir_{\lambda}}$  ground fault interrupter duplex outlet
- HALF-SUTCHED DUPLEX OUTLET
- HO SPECIAL PURPOSE OUTLET
- DUPLEX CUTLET IN PLOOR
- J⊕ 220 VOLT OUTLET
- **LIVLL SUITCH** \$3 THREE-WAY SUITCH
- \$4 FOUR-WAY SUTTON
- \$D DIMER SUTCH
- CELING MOUNTED INCANDESCENT LIGHT FIXTURE
   WALL MOUNTED INCANDESCENT LIGHT FIXTURE
- RECESSED INCANDESCENT LIGHT FIXTURE

→ TRACK LIGHT

TRACK LIGHT

TRACK LIGHT

TRACK LIGHT

FLUORESCENT LIGHT FIXTURE

- EXHAUST FAN LIGHT COMBINATION
- [II] ELECTRIC DOOR OPERATOR (OPTIONAL)
- OH CHITES (OPTIONAL)
- PUSHBUTTON SUITON (OPTIONAL) CARBON MONOXIDE DETECTOR
- SHOKE DETECTOR
- (90) SHOKE / CARBON HONO, COMBO DETECTOR
- H TELEPHONE (OPTIONAL)
- TELEVISION (OPTIONAL)
- (T) THERMOSTAT
- (Fi) ELECTRIC PETER
  ELECTRIC PANEL
- \_ DISCONECT SUTICH
- SPEAKER (OPTIONAL)
- ROUGH-IN FOR OPT. CELLING FAN

CEILING MOUNTED INCANDESCENT LIGHT FIXTURE IN ROUGH IN FOR OFT. CEILING FAN

## NOTES:

1. PROVICE AND INSTALL <u>GROUND FAULT CIRCUIT-NTERRUPTERS</u> (GF1) AS INDICATED ON PLAYS OR AS ITEM NO. 4 AND 5 BELOWINDICATES.

3. ALL SYCKE DETECTORS SHALL BE HAPDURED NTO AN ELECTRICAL POUER SORCE AND SHALL BE EXIPPED WITH A HONTORED BATTERY BACKUP, PROVIDE AND INSTALL LOCALLY CERTIFIED SYCKE DETECTORS.

4. ALL BA AND TOA RECEPTACLES IN SLEEPING ROOMS, FAYILY ROOMS, DNING ROOMS, LIMMS ROOMS, PARLORS, LERARIES, DES, SURROOMS, ECEREMICA ROOMS, CLOSEIS, HULLINS, AND SHLAR REAS HULL REGAR A COTENIATION THEY AFFAL DEVICE AND TAYFER-PROOF RECEPTACLES FER NEC. 201 406 D AND 406 ID

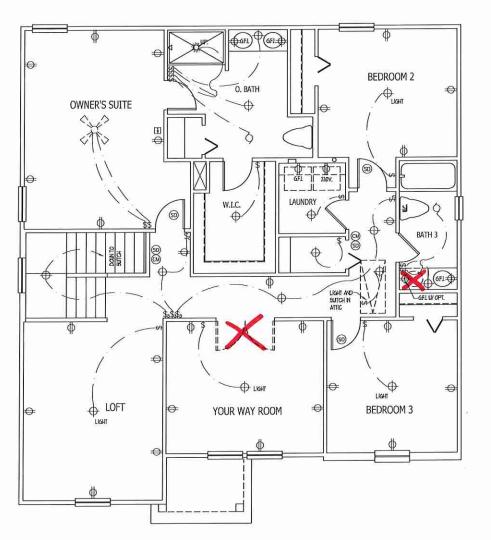
5. ALL BA AND 20A 00Y RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROCKS SHALL BE GFC.I. PROTECTED (GFJ).

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN THILL CONFILMING WITH NEPA. 10, NEC. 161, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND GRONANCES.

LEVERY BULDNG HAVNG A FOSÓL-REL-BURNIN HEATER OR APPLIANCE, FIRERLOE, OR AN ATTACHED GARACE SHALL HAVE AN OFERATIONAL CARBON PORNOCOE DETECTOR INSTALLED WITHIN 10 FEET OF EACH ROCH USED FOR SLEEPING FIREFOSÉS.

8. ALAPI'S SHALL RECEIVE THEIR PROTART POWER FROM THE BUILDING WIRNS WHEN SUCH WIRNS IS SERVED PROT THE LOCAL POWER WILITH, SUCH ALAPI'S SHALL HAVE SHITTER PACKAP, COTSMANION STOKECHARCH FROMOTION FLAMES SHALL BE LISTED OR LAPELED BY A NATIONALLY RECOGNIZED TESTING LAPORATORY.

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BULDER OF ISSUNCE OF FLASS FROM THIS DRAFFERS OFFICE SHALL NOT RELIEVE THE BILLDER OF RESPONSIBILITY TO REVEN AND VERRY FLAL NOTES OFFICENCES, AND OLDERBIKE TO AFFICIABLE BILLDING CODES FROM TO COTTENDED FOR ANY CONSTRUCTION. ANY DISCREPANCY OF ERROR IN NOTES, DYDESKORS, OR ADERBIKE TO AFFICIABLE BULDING CODES SHALL BE BROCKET TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CORRECTION BEFORE COTTENDED OF ANY CONSTRUCTION. ANY REVISIONS OR CHAVES, TON TELLIED TO THE CORRECTION OF ERRORS THAT ARE HADE AFTER THE RIVAL PLANS HAVE BEEN COPPLETED SHALL BE SUBJECT TO ADDITIONAL THES. If ANY THORSOFTATIONS ARE THOSE TO THE FORE THAT THE THAT THE PLAY THORSOFTATIONS ARE THOSE TO THE PROPOSITION.









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UPPER FLOOR ELECTRICAL PLAN



**GARAGE RIGHT** 

# ELECTRICAL KEY

DUPLEX CONVENENCE CUTLET

DUPLEX OUTLET ABOVE COUNTER HE LEATHER PROOF DUPLEX OUTLET

HOGEL GROUND FAILT MERRUPTER DUPLEX OUTLET

HALF-SUTCHED DUPLEX CUTLET

HO SPECIAL PURPOSE OUTLET DUPLEX CUTLET N.FL.COR

₩ 270 YOLT OUTLET

WALL SUITCH

THREE-WAY SUITCH \$4 FOUR-WAY SUITCH

\$D DIMER SUICH CEILING MOUNTED INCANDESCENT LIGHT FIXTURE

CELLING HOUNTED INCANDESCENT LIGHT FIXTURE

RECESSED INCANDESCENT LIGHT FIXTURE WALL MOUNTED INCANDESCENT LIGHT FIXTURE

LIGHT FIXTURE WITH FULL CHAN
TRACK LIGHT
HIJORESCENT LIGHT FIXTURE

O EXHAUST FAN

EXHAUST FAVALIGHT COMBINATION

ELECTRIC DOOR OFERATOR (OPTIONAL) CHIMES (OPTIONAL)

PUSHBUTTON SUTTCH (OPTICNAL) CAREXON MONOXIDE DETECTOR

SMOKE DETECTOR

@@ SHOKE / CARBON HONO, COMBO DETECTOR

TELEPHONE (OPTIONAL)

TELEVISION (OPTIONAL)

THERMOSTAT (III) ELECTRIC METER

ELECTRIC PANEL \_\_\_ DISCONECT SUITCH

SPEAKER (OPTIONAL)

ch? ROUGH-IN FOR OPT, CEILING FAN

# CELLING MOUNTED INCANDESCENT LIGHT FIXTURE W ROUGH-IN FOR OPT, CELLING FAN

## NOTES:

I. PROVIDE AND INSTALL GROUND FALLT CROUT-INTERRUPTERS (GFL) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOU INDICATES.

2. UNLESS OTHERAISE NOICATED, INSTALL SUITCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINSHED FLOOR.

SUTICIES....41\* OUTLETS.....4\*

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

3. ALL SYOKE DETECTORS SHALL BE HARDWRED NTO AN ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP, PROVIDE AND INSTALL LOCALLY CERTIFIED SYOKE DETECTORS.

4. ALL BA A'D 10A RECEPTACES IN SLEEPING ROOMS, FAYILY ROOMS, DINNG ROOMS, LINNS ROOMS, PARLORS, LIBRARES, DINS, SURROOMS, RECREATION ROOMS, CACETS, MULLINY, AND SHILLAR REAS UIL, ROOMS A CATENNARIO, THE AFLI DEVICE A'D TAYTER-PROOF RECEPTACES FER NEC. 201 40619 AND 40615

5. ALL 5A AND 20A 100V RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GECL PROTECTED (GF)).

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO PASSE THAT ALL ELECTRICAL WORK IS IN RULL CONFILIANCE WITH NEPA 16, NEC. 201, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

1. EVERY BULDING HAVING A FOSSIL-REL-BURNING HEATER OR APPLIAVCE, FREPLACE, OR AN ATMACED GARAGE SHALL HAVE AN OPERATIONAL CARBON HOMOXODE DETECTIOR INSTALLED WITHIN 10 HEFT OF EACH ROOM USED FOR SLEEPING PURPOSES.

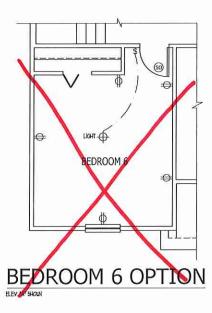
8. ALARTS SHALL RECEIVE THEIR PRIMARY FOLER FROM THE BUILDING URBNG HEN SICH HERNE IS BERNED FROM THE LOCAL POLER UTILITY. SUCH ALARTS SHALL HAVE BATTERY BUCQIP, COMBINION SYCKEPCARBON MONONDE ALARTS SHALL BE LISTED OR LERELED BY A ANIMONALLY RECOGNIZED TESTING LABORATIONY.

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELEVE THE BUILDER OF RESPONSIBILITY TO REVEU AND VERRY ALL NOTES, DYENSIONS, AND ACHERENCE TO APPLICABLE BUILDING CODES FROM TO COTTENCED OF ANY CONSTRUCTION.

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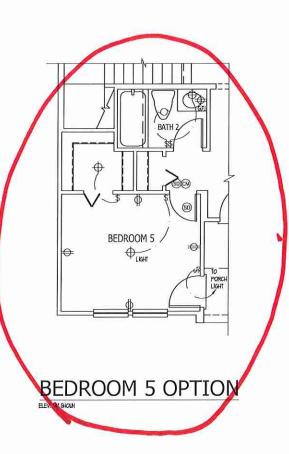
CONTENCEMENT OF ANY CONSTRUCTION

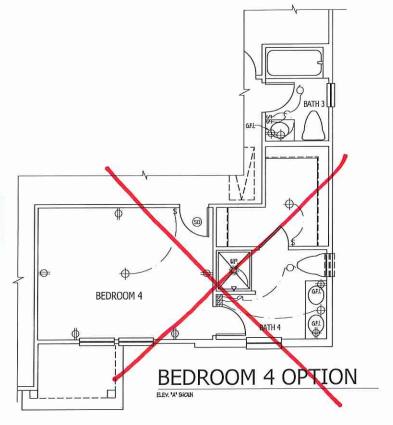
COTTENDERS OF ANY CONSINCTION.
ANY REPUBLISHOR OF CHARLES NOT FELATED TO THE CORRECTION OF ERRORS THAT ARE HADE.
AFTER THE FINAL PLANS HAVE BEEN COTTENETED SHALL BE SHELECT TO ADDITIONAL FEES.
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DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.

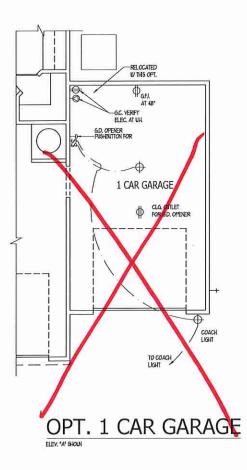


















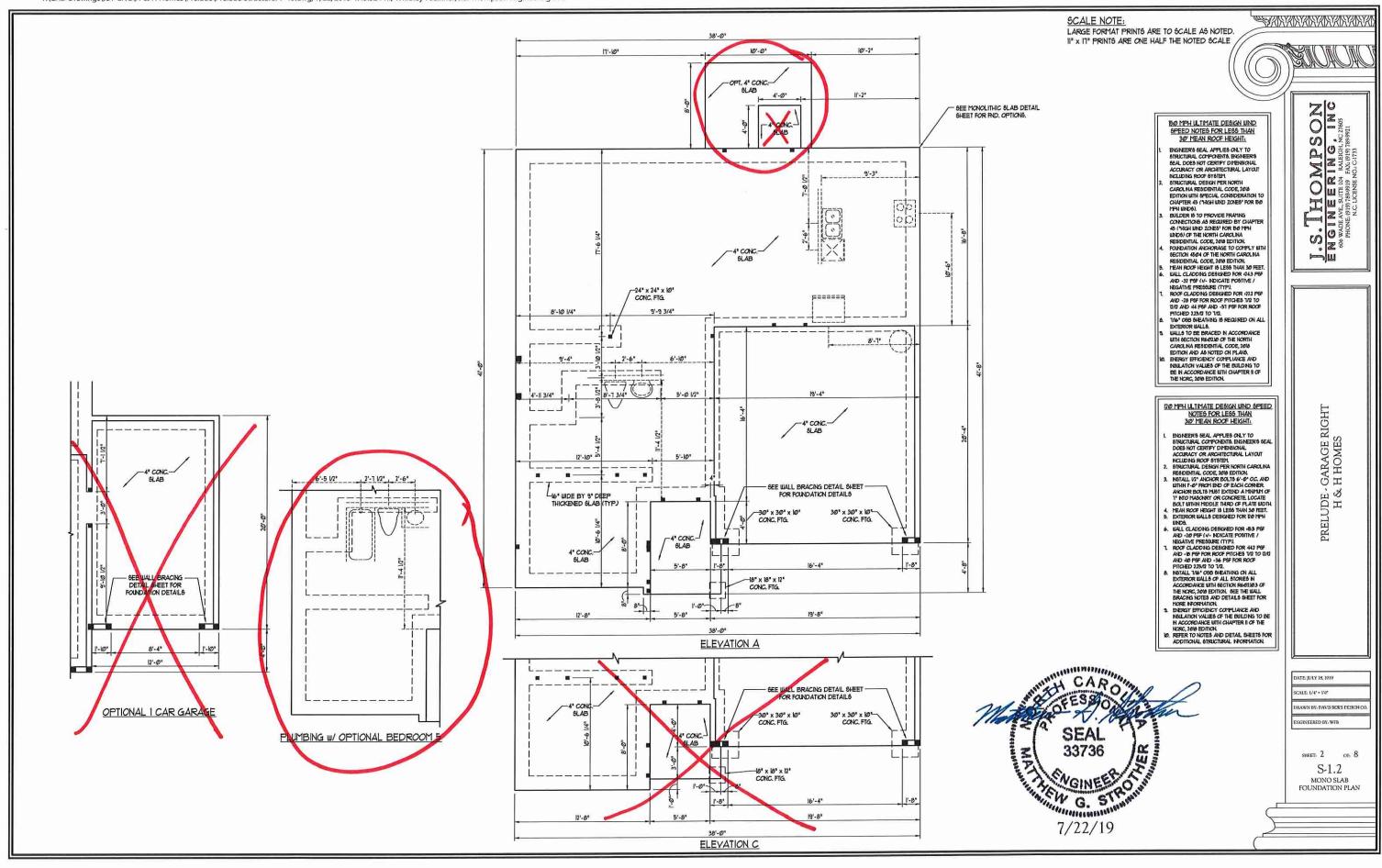
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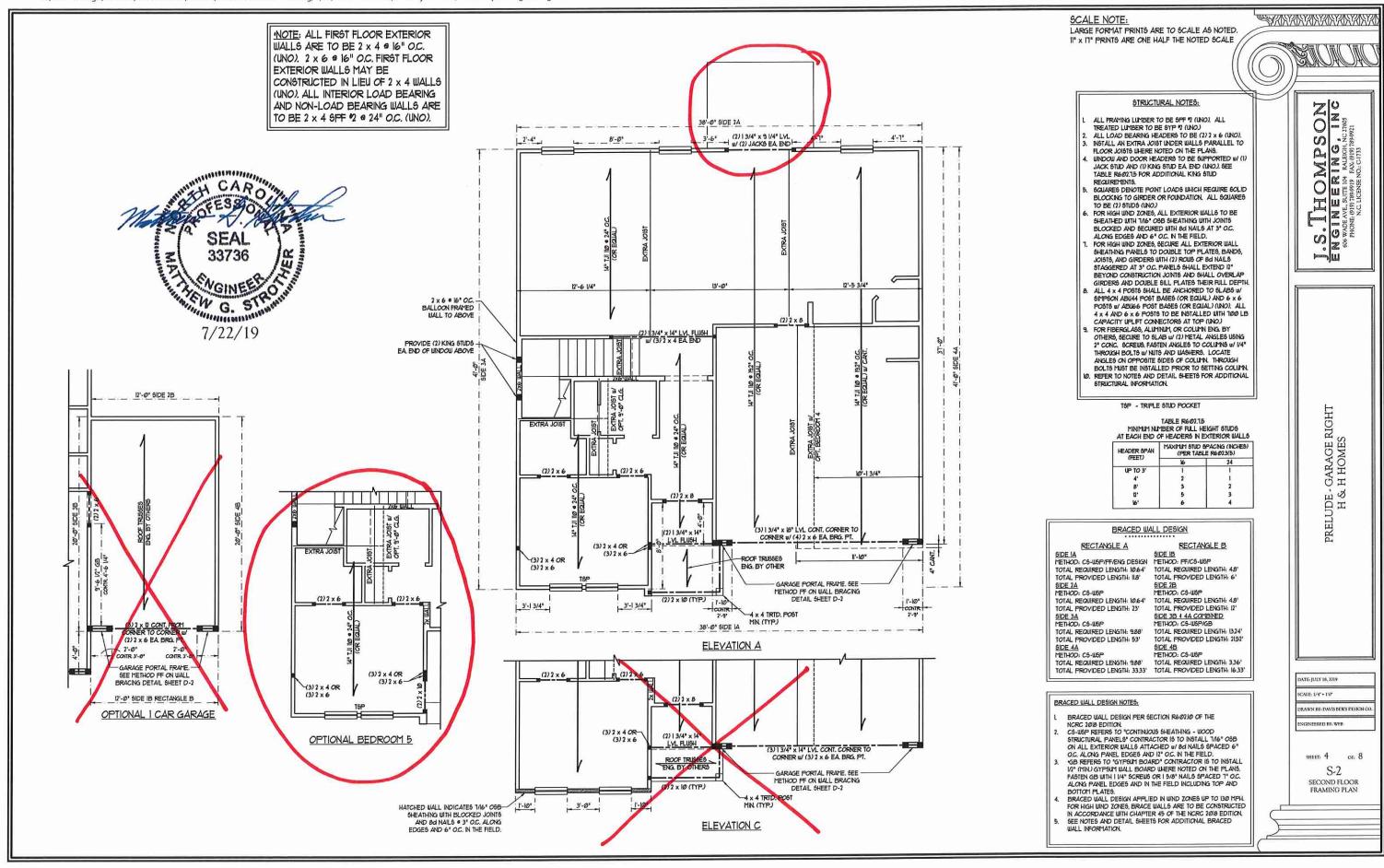
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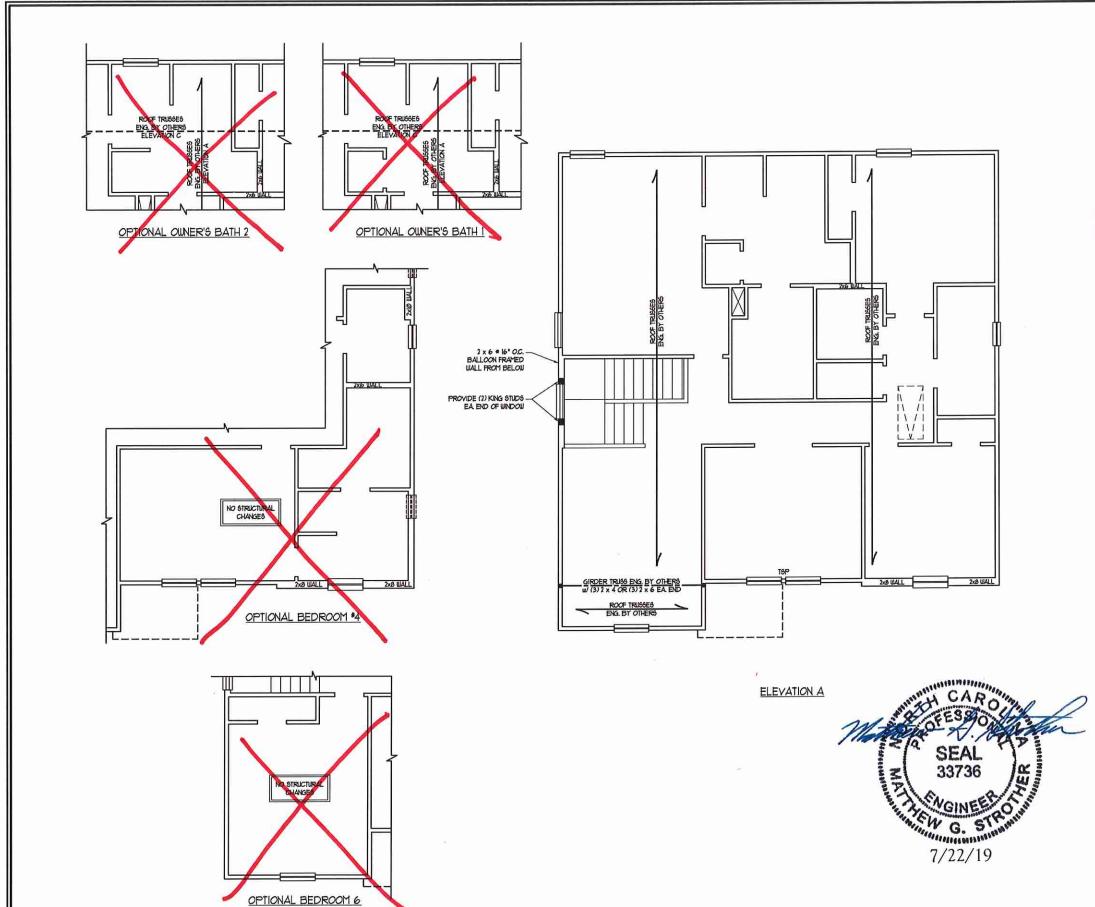


ELECTRIC AT PLAN OPTIONS **GARAGE RIGHT** 









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 12 9 24" O.C.
(UNO), 2 x 6 SPF 12 9 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 9 24" O.C. (UNO).

## BRACED WALL DESIGN NOTES:

- E BRACED WALL DESIGN PER SECTION R60230 OF THE NORC 2018 EDITION.
  2. C5-WSP REFERS TO "CONTINUOUS SHEATHING" WOOD
- C5-WSP REFERS TO "CONTINUOUS SHEATHING WOOD STRUCTURAL PAYELS" CONTRACTOR IS TO INSTALL TIME" OSB 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
- GB REFERS TO "GYPSUR BOARD" CONTRACTOR IS TO INSTALL
  IZ!" (INIV) GYPSUR WALL BOARD WHERE NOTED ON THE PLAUS,
  FASTEN GB WITH I I/4" SCREUS OR I 5/8" NAILS SPACED T" OC.
  ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND
  BOTTOM PLATES.
- ACORDANCE BOSES APPLIED IN WIND ZONES UP TO 38 MPH.

  BOTTON PLATES.

  BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 38 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 PER SECTION R602J032 OF THE 2010 NCRC, THE AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT RECUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS RECUIRED. 2. SHEATH ALL EXTERIOR WALLS WITH TIME! OSB SHEATHING
- . SHEATH ALL EXTERIOR WALLS WITH TIME OSB SHEATHING ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND IZ" O.C. IN THE FIELD.

## STRUCTURAL NOTES:

- L ALL FRAMING LUMBER TO BE SFF 12 (UNO.). ALL TREATED LUMBER TO BE SYP 12 (UNO.) 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO.).
- 3. UNDOW AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KING STUD EA END (INO.). SEE TABLE R6/02.15 FOR ADDITIONAL, KING STUD REQUIREMENTS.
  4. SCULARES DENOTE POINT LOADS WHICH
- SQUARES DENOTE POINT LOADS UNICH
  REQUIRE SOLID BLOCKING TO GIRDER OR
  FORDOATION, ALL SQUARES TO BE (2)
  STUDS (UNO)

  FORD UNICH UNID. TO SEE, ALL EXTERIOR HALL

  FOR HALL HAD TO SEE, ALL EXTERIOR HALL

  TO SEE THE STATE OF T
- FIGURE (MAD) ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH TIME COBE SHEATHING WITH JONN'S BLOCKED AND SECURED WITH ASI NALLS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
- O.C. IN THE FIELD.

  6. FOR HIGH JIND ZONES, SECURE ALL
  EXTERIOR WALL SHEATHING PAYELS TO
  DOUBLE TOP LATES, BANDS, JOSISS, AND
  GIRDERS WITH (2) ROUS OF 2d NAILS
  STAGGERED AT 3" O.C. PAYELS SHALL
  EXTEND 12" BEYOND CONSTRUCTION JOINTS
  AND SHALL OVERLAP GIRDERS AND
  DOUBLE SILL PLATES THEIR RULL DEPTH.

  1. REFER TO NOTES AND DETAIL SHEETS FOR
  ADDITIONAL STRUCTURAL INFORTATION.

TOP - TRIPLE STUD POCKET

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

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

J.S. THOMPSON ENGINEERING, INC 608 WADE AVECH MALECH, NC. 17605 PROCESSION OF TAXA (197) 789-921 NC. LCENSE NO. C. (173)

> PRELUDE - GARAGE RIGHT H & H HOMES

DATE JULY 18, 2019

SCALE: 1/4" = 1"0"

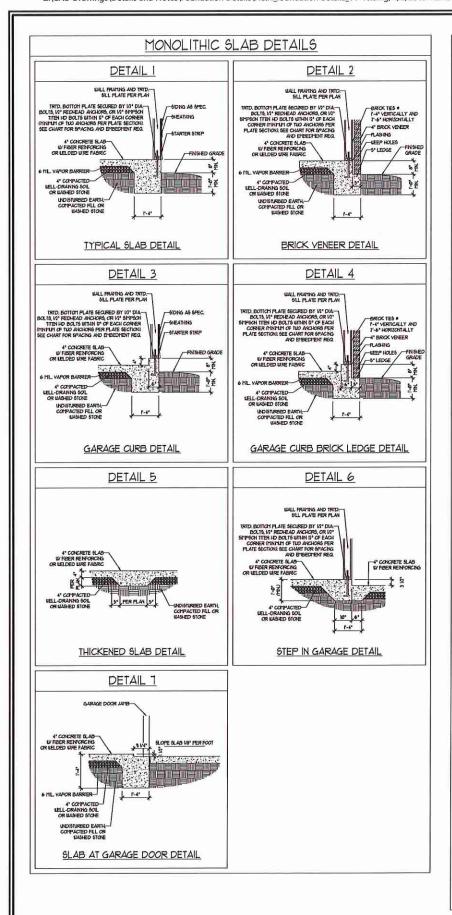
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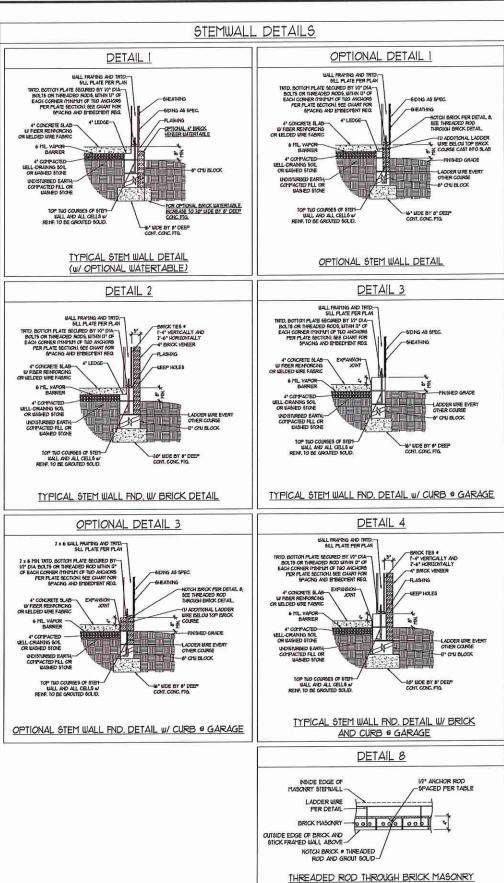
ENGINEERED BY: WFB

S-3a
CEILING FRAMING PLAN

SCALE NOTE: LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. II\* x IT\* PRINTS ARE ONE HALF THE NOTED SCALE ENGINEERING, INC
606 WADE NEES SUTTE OF PACKED 173991
FROME (1917) 7899919 PACKED 17399
NC. LICENSE NO. C. (1733) STRUCTURAL NOTES: STRUCTURAL NOTES:

ALL FRAMING LUMBER TO BE 12
9FF (UNO).
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 OF 5'-0'- FASTEN
HET BERS WITH THREE ROWS OF
12d MAILS 9 16'-0'-C. (TYP)
5 STICK FRAME OVER-FRAMED
ROOF SECTIONS W 2 x 8 RIDGES,
2 x 6 RAFTERS 9 16'-0'-C. (MD)
FLAT 2 x 10 VALLEYS OR USE
VALLEY TRUSSES.
FASTEN FLAT VALLEYS TO
RAFTERS OR TRUSSES WITH
SMPSON HASA HURRICANE TIES 9
32'-0'-C. MAX. PASS HURRICANE
TIES THROUGH NOTOH IN ROOF
SHEATHING, EACH RAFTER IS TO
BE FASTENED TO THE FLAT
VALLEY WITH A MIN OF (6) 12d
TOE MAILS.
TEPER TO SECTION REWZIJ OF THE
20'9 NCRC FOR REGUIRED UF-LIFT
RESISTANCE AT RAFTERS AND
TRUSSES.
REFER TO SOTES AND DETAIL
SHEETS FOR ADDITIONAL
STRUCTURAL NFORMATION. OPTIONAL I CAR GARAGE PRELUDE - GARAGE RIGHT H & H HOMES 6:12 6:12 GIRDER TRUSS ENG. BY OTHERS 6:12 6:12 ROOF TRUBSES ENG. BY OTHERS ROOF TRUSSES-ENG. BY OTHERS ELEVATION A DATE: JULY 18, 2019 DRAWN BY: DAVIS BEWS DESIGN CO GINEERED BY: WFB SHEET: 7 оғ. 8 S-4a ROOF FRAMING PLAN THE PROPERTY OF 7/22/19





	MASONRY S	TEMWALL SPE	ECIFICATIONS	
WALL HEIGHT	MASONRY WALL TYPE			
(FEET)	8, CLI	4" BRICK AND 4" CMJ	4" BRICK AND 8" CHU	12° CMU
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.
5	GROUT SOLID w/ *4 REBAR * 36* O.C.	NOT APPLICABLE	GROUT SOLID w/ *4 REBAR # 36* O.C.	GROUT SOLID w/ *4 REBAR # 64* O.C.
6	GROUT SOLID w/ 44 REBAR # 24" O.C.	NOT APPLICABLE	GROUT SOLID w/ 14 REBAR # 24" O.C.	GROUT BOLID W 4 REBAR # 64" O.C.
1 AND GREATER	ENGINEERED DESIGN BASED ON SITE CONDITIONS			

### STRUCTURAL NOTES:

WALL HEIGHT MEASURED FROM TOP OF FOOTING TO TOP OF THE WALL. THE MALTIFLE WITHERS TOGETHER WITH LADDER WIFE AT 16 "OC. YERRICALLY. CHAPT APPLICABLE FOR HOUSE FOUNDATION ONLY CONSULT BEIGNEER FOR DESKIN OF GARAGE

FOUNDATION NOT CONTION TO HOUSE.

BACKFILL OF CLEAN \$17.6 I WASHED STONE IS ALLOWABLE.

BACKFILL OF CLEAN \$17.6 I WASHED STONE IS ALLOWABLE.

BACKFILL OF UELL DRANGE OR SAND - GRAYEL MIXTURE SOILS (1.45 PS-FF BELOW GRADE)

CLASSFIED AS GROWP I ACCORDING TO UNIFED SOILS CLASSFICATION SYSTEM IN ACCORDANCE
WITH TABLE RANGE OF THE 1099 INTERNATIONAL, RESIDENTIAL CODE ARE ALLOWABLE.

FREP SLAD FER RESIDED AND ESDOZI BASE OF THE 1099 INTERNATIONAL RESIDENTIAL CODE.

HINTHAT 12 LAP SPLICE LEVIGITA.

LOCATE REDAR IN CENTER OF FOUNDATION WALL.

LUMERE REQUIRED, FILL BLOCK SOLID WITH TYPE "5" MORTAR OR 3000 PSI GROUT, USE OF "LOU LIFT GROUTING" TETHOO REQUIRED WEN FILLING WALLS WITH GROUT AT HEIGHTS OF B' AND

GREATER.

AN	CHOR SPACING AND	EMBEDMENT
WIND ZONE	120 MPH	130 МРН
SPACING	6'-Ø" O.C.	4-e* o.c.
EMBEDMENT 1'		15" INTO MASONRY 1" INTO CONCRETE

SEAL 33736

\*\*\*\*\*\*\*\*\*\*\*

7/22/19



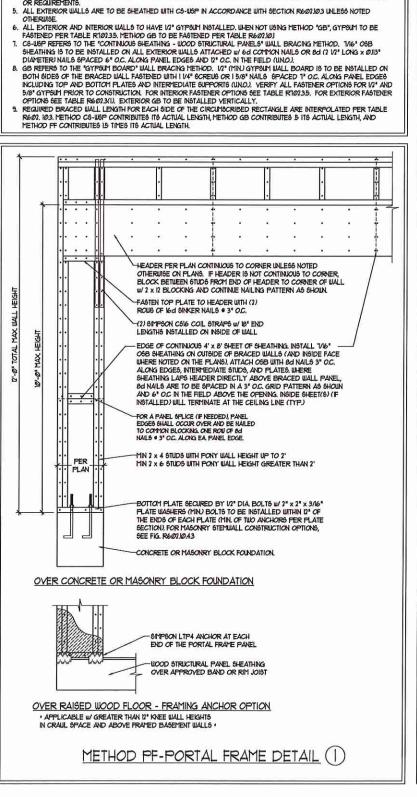
O Z Solz

ERING.

ENGINE FORMER SUN PHONE (1917) 78

RAWN BY JST NEERED BY: IES

D-1 FOUNDATION DETAILS



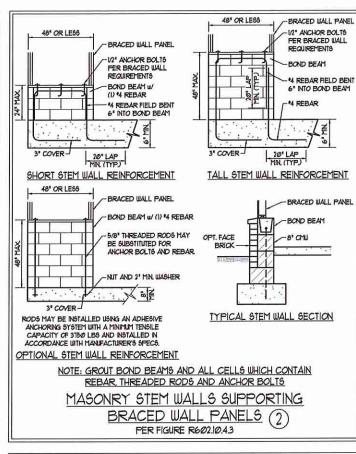
GENERAL WALL BRACING NOTES:

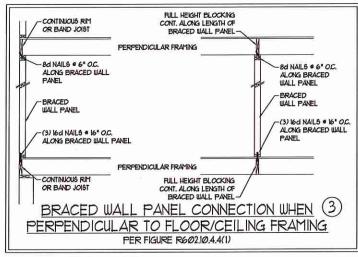
GEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2019 NORC FOR ADDITIONAL INFORMATION AS NEEDED.

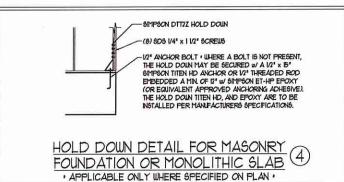
BRACED EXTERIOR WALLS SUPPORTING ROOF TRUSSES AND RAFTERS, NOLUDING STORIES BELOW THE TOP FLOOR, HAVE BEEN DESIGNED PER R60235 (3). WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLIFT.

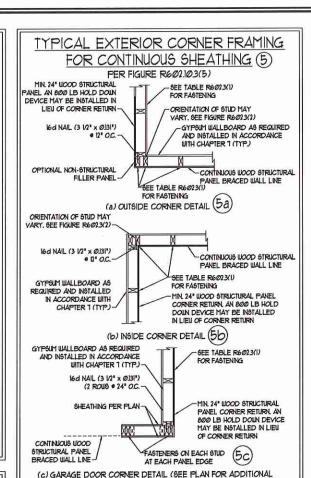
AND SHEAR FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERS PRACTICE.
SEE STRICTURAL SHEETS FOR BRACED WALL LOCATIONS, DIMENSIONS, HOLD DOWN TYPE AND LOCATIONS, BRACED WALL LINE KEY WITH WALL DESIGN SUMMARY OF REQUIRED/PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES

WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2019 NO RESIDENTIAL BUILDING CODE (NORC.). TABLES AND FIGURES REFERENCED ARE FROM THE 2018 NORC.

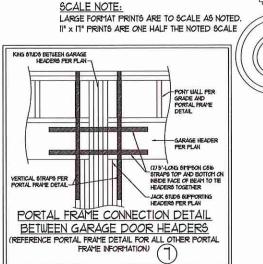


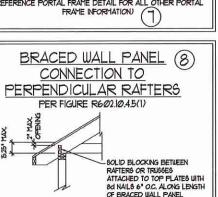






STRUCTURAL INFORMATION OR ALTERNATE CONFIGURATIONS)





BRACED WALL PANEL

CONNECTION TO

PERPENDICULAR ROOF

TRUSSES

PER FIGURE R602.10.45(3)

OR ALTERNATIVE: FIGURE R602.10.45(2))

6'-0" MAX

9

x BLOCKING

NAILING PER

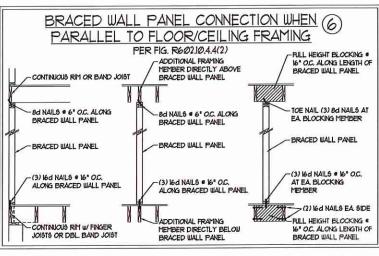
TABLE



0

OMPS ERING, JITE 104 RALEICH, SSA9919 FAX (917) 78 CENSE NO.: C1733

ENGINE SOS WADEAVE, SU



SEAL
33736

WGINEEROLL
7/22/19

DATE: OCTOBER 30, 1018

SCALE 1/4" - 1'0"

DRAWN BY, JST

ENGINEERED BY, JST

20

D-2 BRACED WALL NOTES AND DETAILS AND PF DETAILS

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SCALE NOTE:

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

# 

O Z S OMPO ERING JITE 104 RALEICH, 59-9919 FAX, (919) 7

SPEED

ENGINE 606 WADE AVE., SUI

- 130 MPH ULTIMATE DESIGN WIND STANDARD STRUCTURAL NOTES MPH

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

GENERAL NOTES

- 2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NORC), 2016 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 NORC, 2018 EDITION (R30L4 R30LT)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	10	L/140 (L/360 w/ BRITTLE FNISHES)
ATTIC WITHOUT STORAGE	Ø	10	L/360
DECKS	40	10	L/36Ø
EXTERIOR BALCONIES	40	10	L/36Ø
FIRE ESCAPES	40	NO	L/36Ø
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10	L/36Ø
PASSENGER VEHICLE GARAGE	50	100	L/36Ø
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/36Ø
SLEEPING ROOMS	30	10	L/360
STAIRS	40	lø	L/360
WIND LOAD	(BASED ON TABLE R3012)	4) WIND ZONE AND EXPOSURE)	
GROUND SNOW LOAD: Pg	20 (PSF)		

- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480
- FLOOR TRUSS SYSTEMS DESIGNED WITH IS PSF DEAD LOAD
- FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE 15 TO COMPLY WITH SECTION R403.16 OF THE NCRC, 2018 EDITION. FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE 19 TO COMPLY WITH SECTION 4504 OF THE NORC, 2018 EDITION.
- 5. ENERGY EFFICIENCY CONFLIANCE 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 LINERE 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 FLACED. 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 UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R4051 OF THE NORC, 2018 EDITION
- 3. PROPERLY DEMATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE \$1.4B IS AT OR BELOW WATER TABLE. IF APPLICABLE, 3/4" - I" DEEP CONTROL JOINTS ARE TO BE SAILED WITHIN 4 TO IT HOURS OF CONCRETE FRISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
- 4. CONCRETE SHALL CONFORM TO SECTION R4022 OF THE NORC, 2010 EDITION. CONCRETE RENFORCING STEEL TO BE ASTM A615 GRADE 60. UELDED WIRE FABRIC TO BE ASTM A185, MAINTAIN A MINIMAL CONCRETE COVER AROUND RENFORCING STEEL OF 3" IN FOOTINGS AND 1 1/2" IN SLABS, FOR POURED CONCRETE WALLS, CONCRETE COVER FOR RENFORCING 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 AN 1 1/2" FOR "5 BARS OR SMALLER, AND NOT LESS THAN 2" FOR "6 BARS OR LARGER.
- 5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL CONFORM
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR INFILLED 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.
- ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION RAPA OF THE NORC, 1918 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NOMA TROB-A OR ACE 530/ASCE 5/TMS 402. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE RAWAJKI), RAWAJKI), RAWAJKI), RAWAJKI), OR RAWAJKA) OF THE NCRC, 2019 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE RAWAJKS) OF THE NCRC, 2019 EDITION. STEP CONCRETE FOUNDATION WALLS OF TABLE RAWAJKS) OF THE NCRC, 2019 EDITION. WALLS AT 16" O.C. WHERE GRADE PERMITS (UNO).

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ALL FRAMING LUMBER SHALL BE 12 SFF MINIMUM (Fb = 815 PS), Fv = 315 PS), E = 16000000 PS)) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE 2 SYP MINIMUM (Fb = 915 PS), Fv = 115 PS), E = 16000000 PSI) UNLESS NOTED OTHERWISE (UNO).

FRAMING NOTES

- LAMINATED VENEER LUMBER (LVL.) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: FD +2600 PSI, Fv + 265 PSI, E + 1900000 PSI. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Po = 2325 PSI, Fv = 310 PSI, E = 15500000 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.
- 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 BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" AND RILL FLANGE WIDTH (UNO). PROVIDE SOLID BEARNS 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 (2) 1/2" DIA x 4" ILEDGE ANCHORS B. CONCRETE (2) 1/2" DIA x 4" LONG SIMPSON TITEN HD ANCHORS C. MASONRY (FULLY GROUTED)

LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TOE NAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 2x NAILER IS SECURED TO THE TOP OF THE STEEL BEAM W/ (2) ROUS OF SELF TAPPING SCREUS & 16" O.C. OR (2) ROUS OF 1/2" DIAMETER BOLTS . IG. OC. IF V2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED W/ (2) ROUS OF 9/16" DIAPETER

- 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.
- 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), 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 R602.15 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION
- 1. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR RULLY 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 RULLY ON SUPPORT COLUMN FOR ENTIRE WALL DEPTH (UNO). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO).
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A3Ø1) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMIN), 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 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 FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- 12. FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8"-Ø" 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 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH 1/2" LAG SCREUS 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) 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 R103.821 OF THE NORC, 2018 EDITION.
- 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 IZE NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS
- 14. FOR TRUSSED ROOFS: FRAME DORMER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUSSES. STICK 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).
- 5. ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO.) POSTS MAY BE SECURED HANG ONE AMESON HE OR LITER UPLIET CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE 16" SECTION OF SIMPSON CSIG COIL STRAPPING WITH (8) 8d HDG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIST STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE SIMPSON POST BASE.



ATE NOVEMBER 14, 2018 DRAWN BY-JES

> S-0 STRUCTURAL NOTES