Vision H&H HOMES - GARAGE RIGHT

PLAN REVISIONS

REVISION DATE: 08/19/2019
1) UPDATE ISSUE DATE
2) ALIGN FLOOR PLAN WITH FOUNDATION
3) UPDATE ELEVATION KEY NOTES

	QUARE FOOTA	The state of the s	
AREA	/ ELEV 'A'	ELEA ,B,	ELEA C
1ST FLOOR	616 SQ. FT.	616 SQ. FT.	616 SQ. F
2ND FLOOR	896 SQ. FT.	896 SQ. FT.	896 SQ. F
TOTAL HEATING	1512 SQ. FT.	1512 SQ. FT.	1512 SQ. I
GARAGE (UNHEATED)	280 SQ. FT.	280 SQ. FT.	280 SQ. F
PORCH	24 SQ. FT.	68 SQ. FT.	48 SQ. F
PATIO	100 SQ. FT.	100 SQ. FT.	100 SQ, F
. OPTIONAL PATIO	100 SQ. FT.	100 SQ. FT.	100 SQ. F
OPTIONAL GARAGE	240 SQ. FT.	240 SQ. FT.	240 SQ. F

ISSUNCE OF PLAS RICH THIS DIVITIEVE OFFICE SWILL NOT RELEVE THE BULDER OF REPONSIBILITY TO REVEIL AND VERBY ALL NOTES, INTERIORS, AND JAMERSHICE TO APPLICABLE BUILDING CODES PRORT TO CORPORDED OF ANY COMPRISED TO APPLICABLE BUILDING CODES WILL BE BROUGHT TO THE ATTENTION OF THE DIVITIENT OF THE OFFICE OFFICE OFFICE OF ANY CONSTRUCTION.

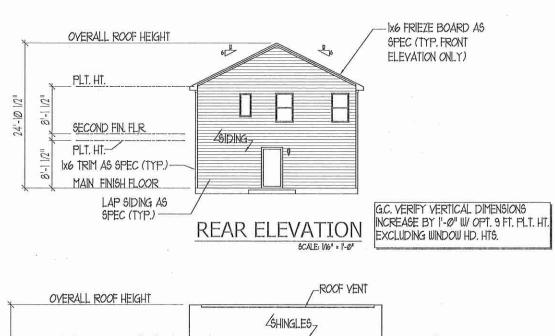
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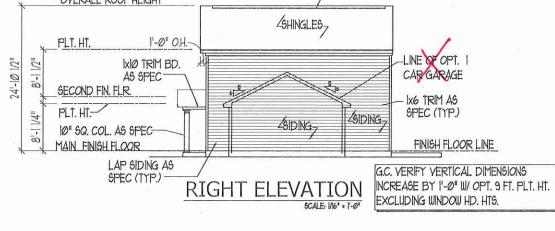
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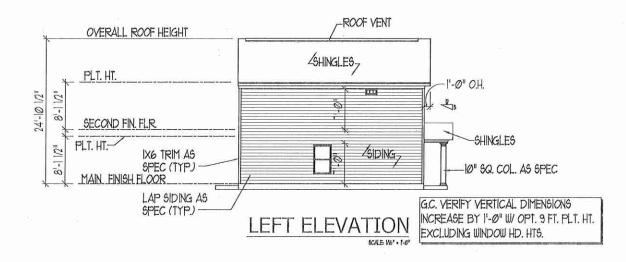
DRAWINGS ON II"XIT" SHEET ARE ONE HALF THE SCALE NOTED

H&H HOMES VISION

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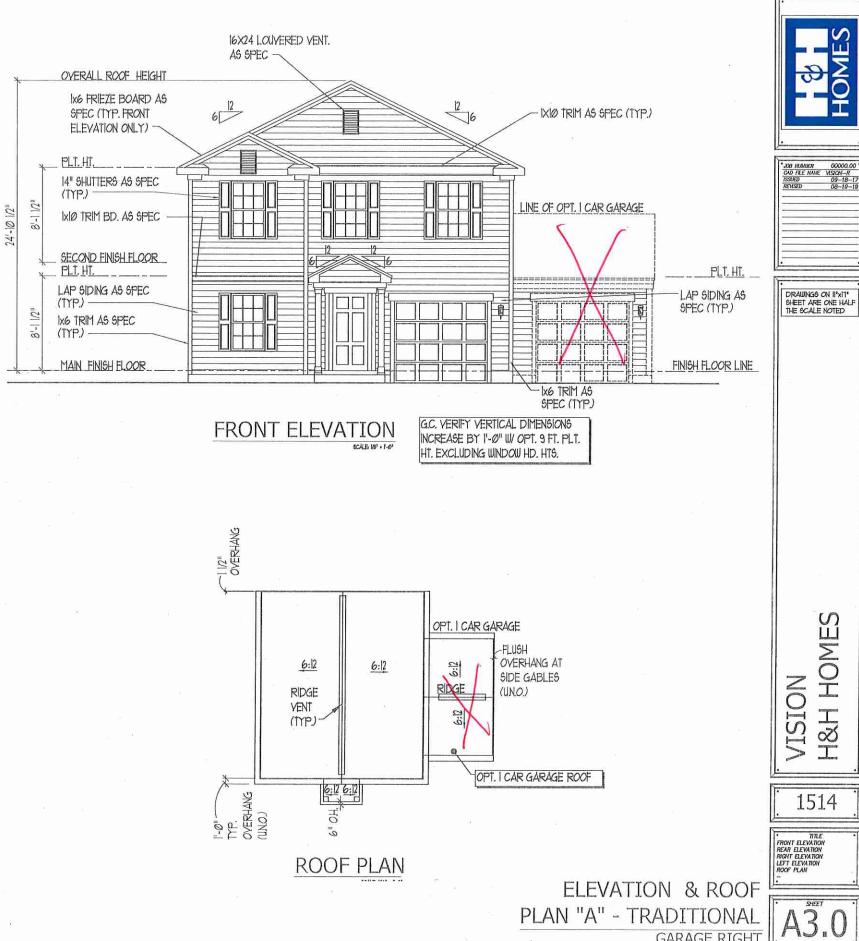






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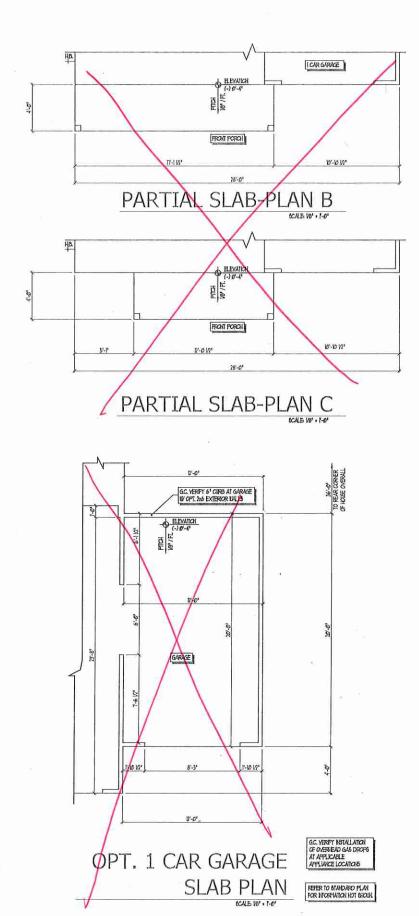
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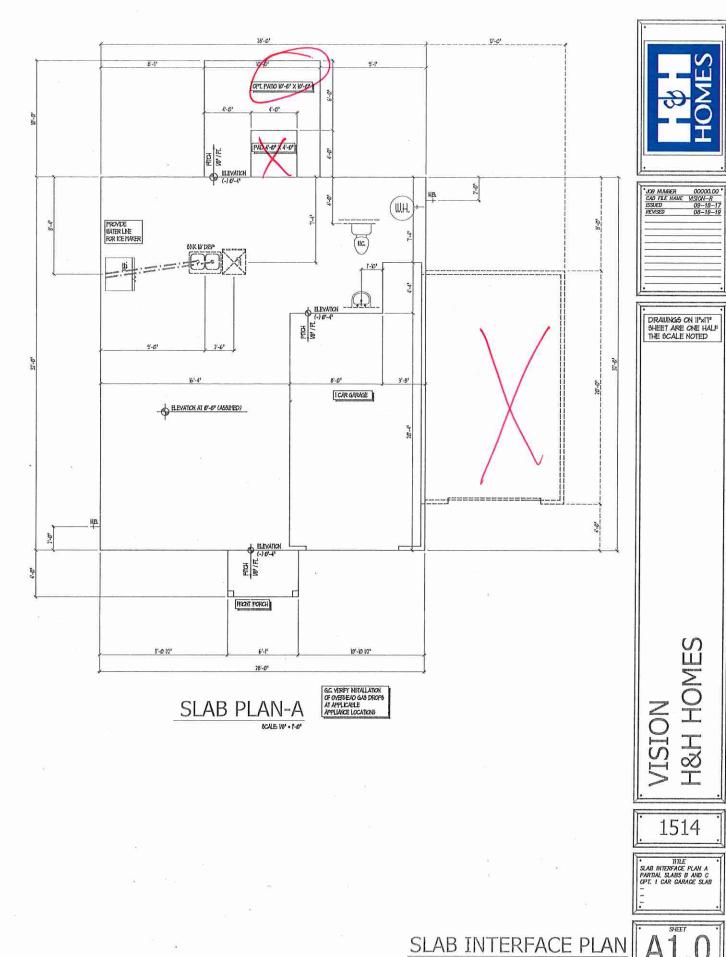
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PLAN "A" - TRADITIONAL

GARAGE RIGHT



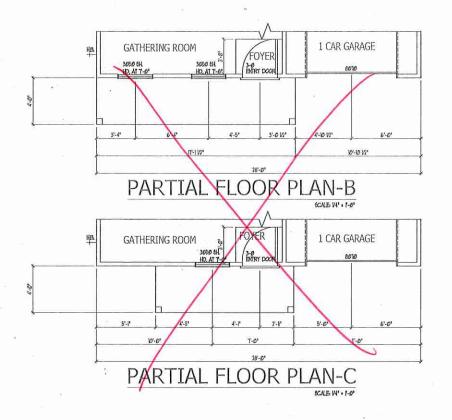


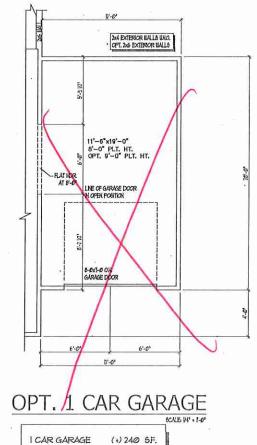
GARAGE RIGHT

ISBUNCE OF PLAS FROM THIS DRAFFERS OFFICE SHALL NOT RELEVE THE BULDER OF REPOWNELLY TO REVEN AD VERSEY ALL NOTES, DYENSIONS, AND ACKERNICE TO APPLICABLE BULDA'S COCKES PRORY TO CONTRICTION OF THE CONSTRUCTION.

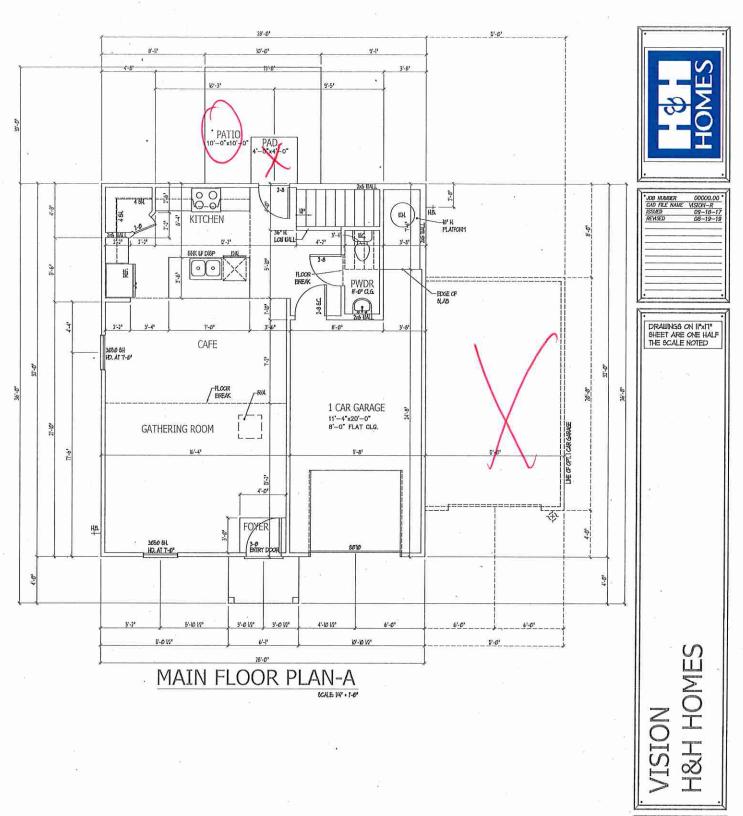
ANY DECREPANCY OF BROWN (MICHES, DYENSION, OR ACKERNICE TO APPLICABLE BULDA'S COCKES BULL BE PROJECT TO THE ATTENDION OF THE DRAFFERS OFFICE FOR CONNECTION REPORE CONTRICTION OF ANY CONSTRUCTION.

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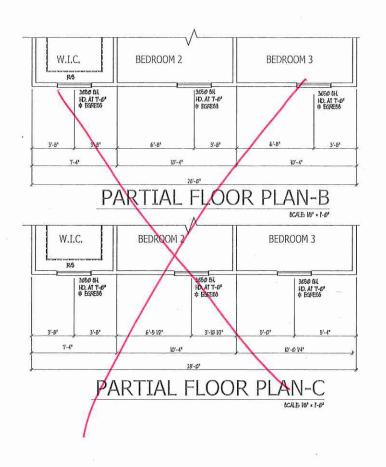
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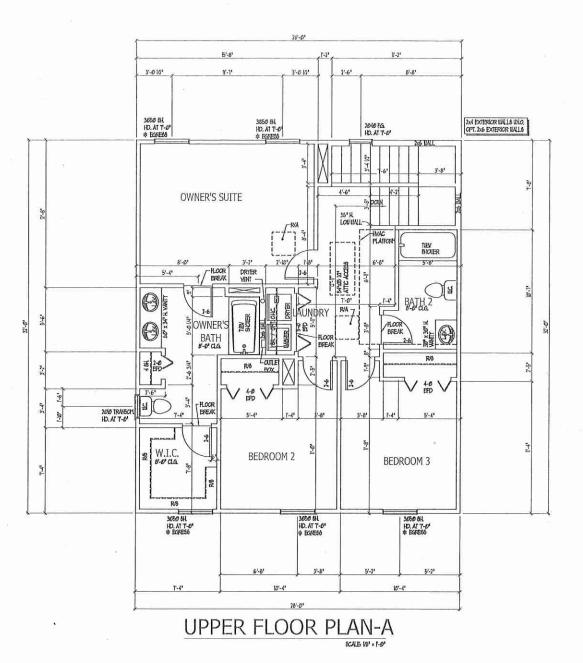
MAIN FLOOR PLAN

PARTIAL FLOOR PLANS

OPT. 1 CAR GARAGE PLAN

MAIN FLOOR PLAN
GARAGE RIGHT







DRAWNGS ON II'XI'' SHEET ARE ONE HALF THE SCALE NOTED

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UPPER FLOOR PLAN

UPPER FLOOR PLAN GARAGE RIGHT

MAUNCE OF HAS FIRST THIS DRAFFIERS OFFICE SAULT NOT RELEAS THE BUILDER OF REPORTED TO PREVENTION OF REPORT ALL NOTES, DYESTICAS, AND ADDRESSES TO APPLICABLE BUILDING COORD FIRST TO COPPELETHEN OF ANY CONSTRUCTION.

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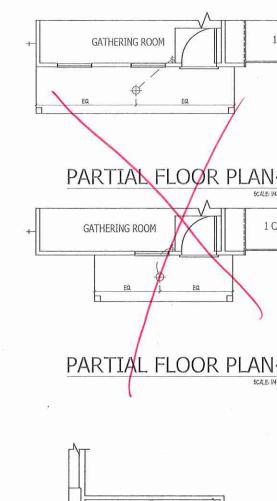
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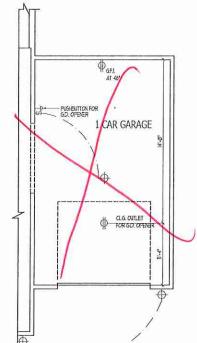
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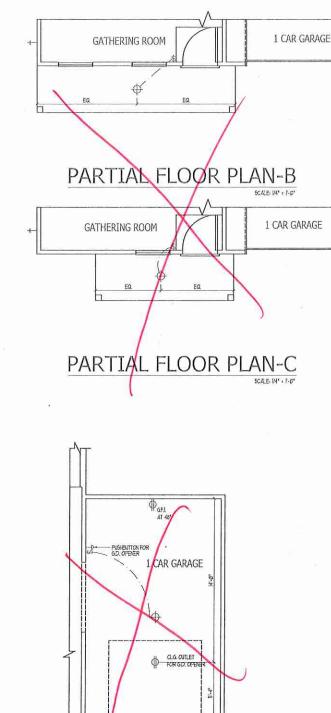
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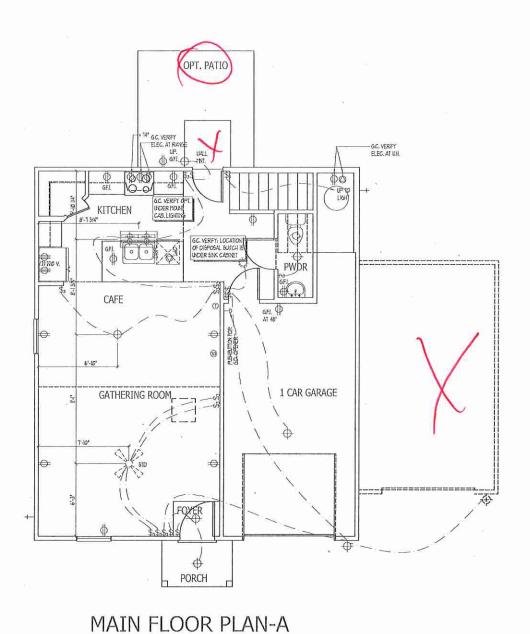
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OPT. 1 CAR GARAGE







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

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MAIN FLOOR ELEC. PLAN

MAIN FLOOR ELECTRICAL PLAN GARAGE RIGHT



ROUGH-IN FOR OFT, CEILING FAN CEILING MOINTED INCONDESCENT LIGHT FIXTURE UP ROUGH-IN FOR OFT, CEILING FAN I. PROVIDE AND INSTALL GROUND FALLT CIRCUIT-INTERRUPTERS (GF.)) AS NOICATED ON FLAYS OR AS ITEM NO. 4 AND 5 BELOU NO/CATES. 7. UN ESS OTHERUSE NOICATED, INSTALL SUTCLES AND RECEPTACLES AT THE FOLLOUNG HEIGHTS ABOVE FINSHED FLOOR SUTCHES ... 47* OJILETS ... H* TELEPHONE . H' (INLESS ABY CONTERTOP) TELEVISION . JA' 3. ALL SYME DETECTORS SHALL BE HAROURED NTO AN ELECTRICAL POLER SOURCE AND SHALL BE EXPIPED UITH A MONTORED BATTERY BACKLIP, PROVIDE AND INSTALL LOCALLY CERTIFED SYME DETECTORS. 4. ALL BA AND 16A RECEPTACLES IN SCEPPIS ROOTS, FATILY ROOTS, ONN'S ROOTS, LIMPS ROOTS, PARLOSS, LIBRARES, DIBS, SURGOTS, ECCERTICA ROOTS COETS, MALLOSS, AND STALE RAESA ULL RECORD A CATENNIATO THEA FEL. DEVICE AND TATER 5, ALL 5A AND 10A BOY RECEPTIACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GEC!, PROTECTED (GET).

ELECTRICAL KEY J⊕ DUPLEX CONVENENCE OUTLET

CELING MOINTED INCANDESCENT LIGHT FIXTURE TRACK LIGHT

LEAST FRANCE UTIL PLAT CHAN

FRANCE LIGHT FRANCE

PROCESSED NOADESCENT LIGHT FRANCE

PROCESSED NOADESCENT LIGHT FRANCE

TRACK LIGHT

TRACK LIGHT

DIFLEX CONTINUES CONTINUES

| Continues Contin GROND FAULT NIERRUPTER DUPLEX OUTLET HALF-SUTCHED DUPLEX OUTLET SPECIAL PURPOSE OUTLET

DIPLEX OUTLET NELOOR

120 VOLT OUTLET WALL SUITCH

> THREE-LIAY SUITCH FOUR-WAY SULTCH DITTER SUITCH

FLUORESCENT LIGHT FIXTURE Ó EXHAUST FAN

5YOKE DETECTOR ⑤ 5HOKE / CARBOI MONO, COMBO DETECTOR H☐ TELEPHONE (OPTIONAL) TELEVISION (OPTIONAL) THER 10STAT ELECTRIC METER ELECTRIC PAYEL

DISCONECT SUTCH SPEAKER (OPTIONAL)

EXHAUST FAVLIGHT COMBINATION

ELECTRIC DOOR OFERATOR (OPTIONAL) CHITES (OPTIONAL) PUSHBUTTON SUTCH (OPTIONAL) CARBON MONOXIDE DETECTOR

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL LORN IS IN PALL COTPLIANCE UTH NEPA 16, NEC. 161, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND GRONANCES.

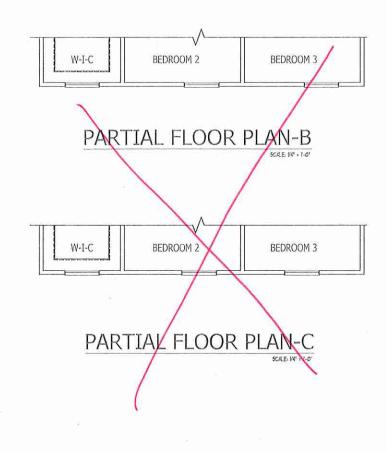
1. EVERY BULDN'S HAVY'S A FOSSIL-PUEL-BURN'S HEATER OR APPLIAVLE, FISEPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OFERATIONAL CARBON YOLKANDE DETECTOR INSTALLED WITH 10 HEET OF EACH ROOM WED FOR SLEEPING PURPOSES.

8. ALAR'S SHALL RECEIVE THEIR PRIMARY FOUR FROM THE BUILDING URN'S UPIN SUCH URN'S IS SERVED FROM THE LOCAL FOUR WILLING SUCH ALAR'S SHALL HAVE BAITERY BUCKEY, COMBINATION SYCKEPCHARBON MONOXIE ALAR'S SHALL BE LISTED OR LIBERED BY A MAINTAILLY RECOGNIED TESTING LIBERATIONY,

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF ISSUNCE OF PLASS FROM THIS DRAFFERS OFFICE MALL NOT RELIEVE THE BULDER OF RESPONSIBILITY TO REVIEW AND VERSET ALL NOTICE DIVERSIONS OWNERS. FOR AFFICIABLE BULDING CODES FROM TO COTTRICTION AND DISCREPANCY OF ERROR IN NOTES, DIPOSIONS, OR ACHERINE TO APPLICABLE BULDING CODES SHALL BE BROAKEN TO THE ATTENDROY OF THE PRAFFERS OFFICE FOR CORRECTION BEFORE CONFERENCE OF ANY CONSTRUCTION.

ANY EMPIRISO OR CHARKES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLASS HAVE EDIT OFFICED SHALL BE SELECT TO ADDITIONAL FIESD.

FAINT PROFIDENTIAL OF THOSE TRAFFERS OFFICE FOR THAT THE DRAFTERS OFFICE THE PRAFT OFFICE THAN THE DRAFTERS OFFICE THE DRA



ELECTRICAL KEY

- E DUPLEX CONVENENCE OUTLET DUPLEX OUTLET ABOVE COUNTER
- Cir. WEATHERFROOF DUPLEX OUTLET
- GROUND FAILT INTERRUPTER DUPLEX OUTLET
- HALF-SUITCHED DUPLEX OUTLET
- HO SPECIAL PURPOSE OUTLET
- DUPLEX OUTLET N FLOOR
- 270 VOLT OUTLET
- WALL SUITCH
- THREE-LIAY SUITCH
- FOUR-MAY SUITCH
- DIYER SUITCH
- CEILING MOINTED INCANDESCENT LIGHT FIXTURE
- MAT HONLED IN WOESCENI FIGHL HAZINE
- RECESSED INCANDESCENT LIGHT FIXTURE FIG. LIGHT FIXTURE UTH PULL CHAN
- -TRACK LIGHT
- □ ∳□ FLUORESCENT LIGHT FIXTURE
- EXHAUST FAN
- EXHAUST FAVALIGHT COMBINATION ELECTRIC DOOR OPERATOR (OPTIONAL)
- CHMES (OPTIONAL)
- PUSHBUTTON SUTTCH (OPTIONAL) CARBON HONOXIDE DETECTOR
- SMOKE DETECTOR
- (905) SMOKE / CARBON MONO, COMBO DETECTOR
- TELEPHONE (OPTIONAL)

 TELEVISION (OPTIONAL)
- THERMOSTAT ELECTRIC METER
- Dai ELECTRIC PAYEL
- DISCONECT SUITON
- SFEAKER (OPTIONAL) ROUGH-IN FOR OFT, CEILING FAN
- CELLING MOUNTED INCANDESCENT LIGHT FIXTURE UV ROUGH-IN FOR OFT. CELLING FAN

NOTES:

PROVIDE AND INSTALL GROUND FALLT CIRCUIT-INTERRUPTERS (GF.I) AS INDICATED ON PLAYS OR AS ITEM NO. 4 AND 5 BELOU NO/CATES.

2. UNLESS OTHERUSE NOVCATED, INSTALL GUIDGES AND RECEPTACLES AT THE FOLLOWING HEISHIS ABOVE FINSED FLOOR OF THE PROPERTY OF TH

3. ALL SHOKE DETECTORS SHALL BE HARDWRED INTO AN ELECTRICAL POLER SOURCE AND SHALL BE EQUIPTED LITH A MONTORED BATTERY BACKUP, PROVIDE AND INSTALL LOCALLY CERTIFIED <u>SYCKE DETECTORS</u>

4, ALL BA AND 10A RECEPTAÇES IN SLEEPINS ROOTS, PATLY ROOTS, DINNS ROOTS, LIMMS ROOTS, PARCIOS, LIBRARIES, DRIS, SINROOTS, RECREATION ROOTS, C. CRETS, HALLIOTS, ROOTS FLAR RACE WILL REGISER A CONTENTION THREAFF. DEVICE AND TATFER-PROOF RECEPTACIES FER NEC. 201 4660 AND 4668

5, ALL 5A AND 10A 100V RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GEG!, PROTECTED (GF1).

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSIVE THAT ALL ELECTRICAL WORK IS IN TALL COTPLIANCE WITH MFPA 10, NEC. 701, ATO ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

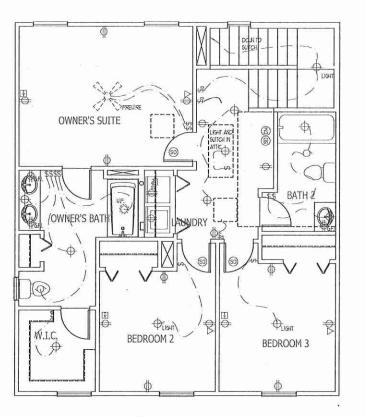
1. EVERY BILLDYG HAVYG A FOSSL-PIEL-BIRNI'N HEATER OR AFFLIAYCE, FISEPLACE, OR AN ATTACIED GARAGE SHALL HAVE AN OFERATIONAL CARBON POLICIONE DETECTOR INSTALLED WHIRN TO THEIL OF EACH ROCH WED FOR SLEEPING FIREOCES.

8. ALAPI'S SHALL RECEIVE THEIR FRYMA'T FOUR FROM THE BUILDING UIRNG UIRN SCHI URNG IS SERVED FROM THE LOCAL POLER UITLUT, SUCH ALAPIS SHALL HAVE BUTTERT BLOOD, COMBANION SYONEOLARSON HOROUGE ALAPIS SHALL BE LISTED OR LABELED BY A NATIONALLY RECONVERD TESTING LABORATORY.

ISSUANCE OF PLANS FROM THIS DRAFFERS OFFICE SHALL NOT RELEVE THE BUILDER OF REPORTS TO APPLICABLE BUILDING OFFICE TO CONTENDED THE ANY DISCREPANCE OF DRAFFILE AND APPLICABLE BUILDING CODES FROM TO THE ATTENDED OF A THE DRAFFERS OFFICE OF REPORTS OF FROM NOTES, DIPPLISION, OR ADDRESSIVE OF APPLICABLE BUILDING CODES SHALL BE BROADED TO THE ATTENDION OF THE DRAFFERS OFFICE FOR CORRECTION BEFORE COTTENED OF ANY CONSTRUCTION.

ANY REMANDIS OR CHAVES, NOT RELIADED TO THE CORRECTION OF ESSENSES THAT ARE MADE AFTEN THE FINAL PLANS HAVE BEEN COTTLED SHALL BE SUBJECT TO ADDITIONAL HESS.

FAIRT THE FINAL PLANS HAVE BEEN COTTLED SHALL BE SUBJECT TO ADDITIONAL HESS.
FAIRT THORPICATIONS ARE MADE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE PRAFFERS OFFICE, THE DRAFFER SHALL NOT BE HELD RESPONSIBLE.









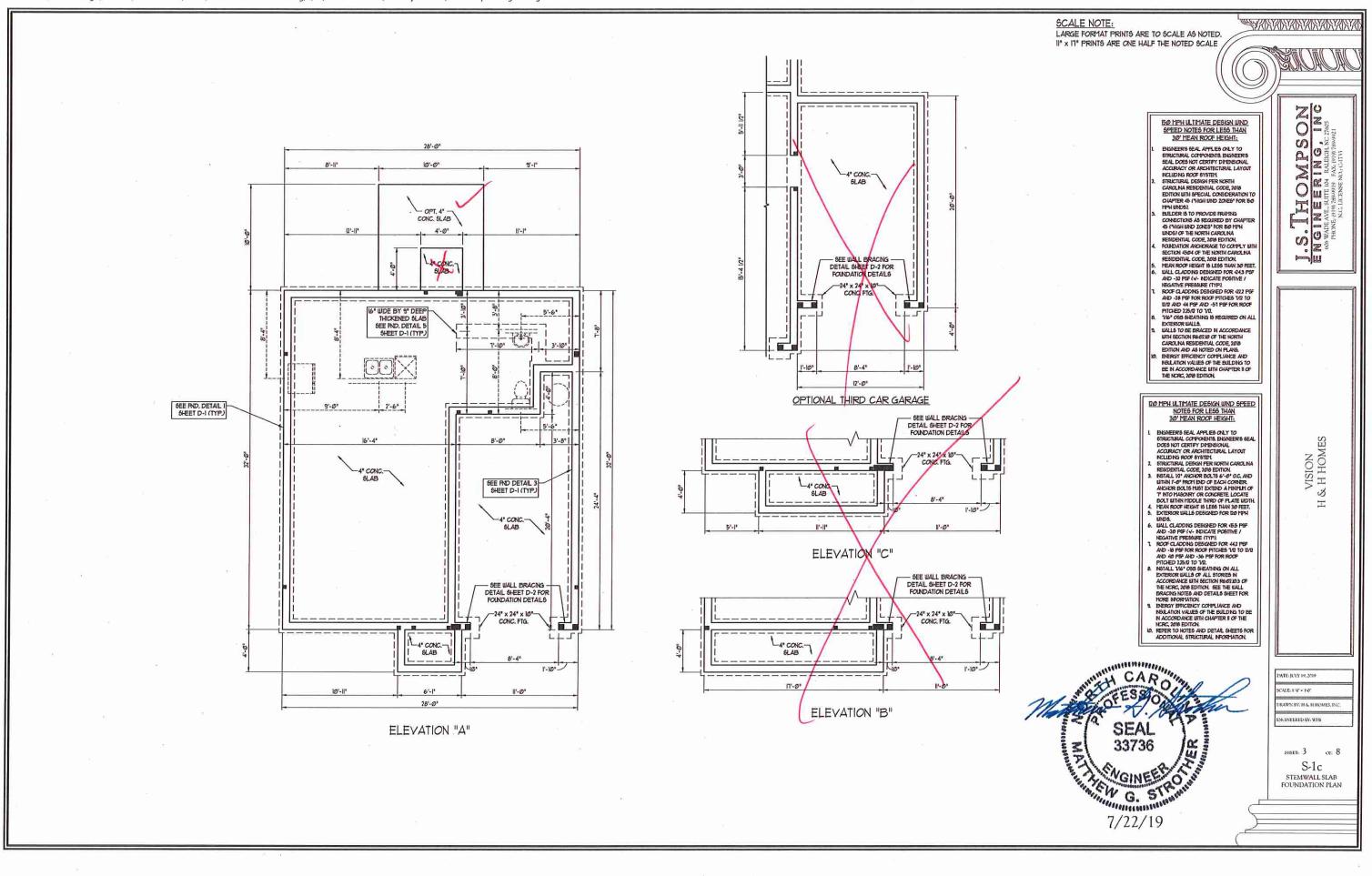
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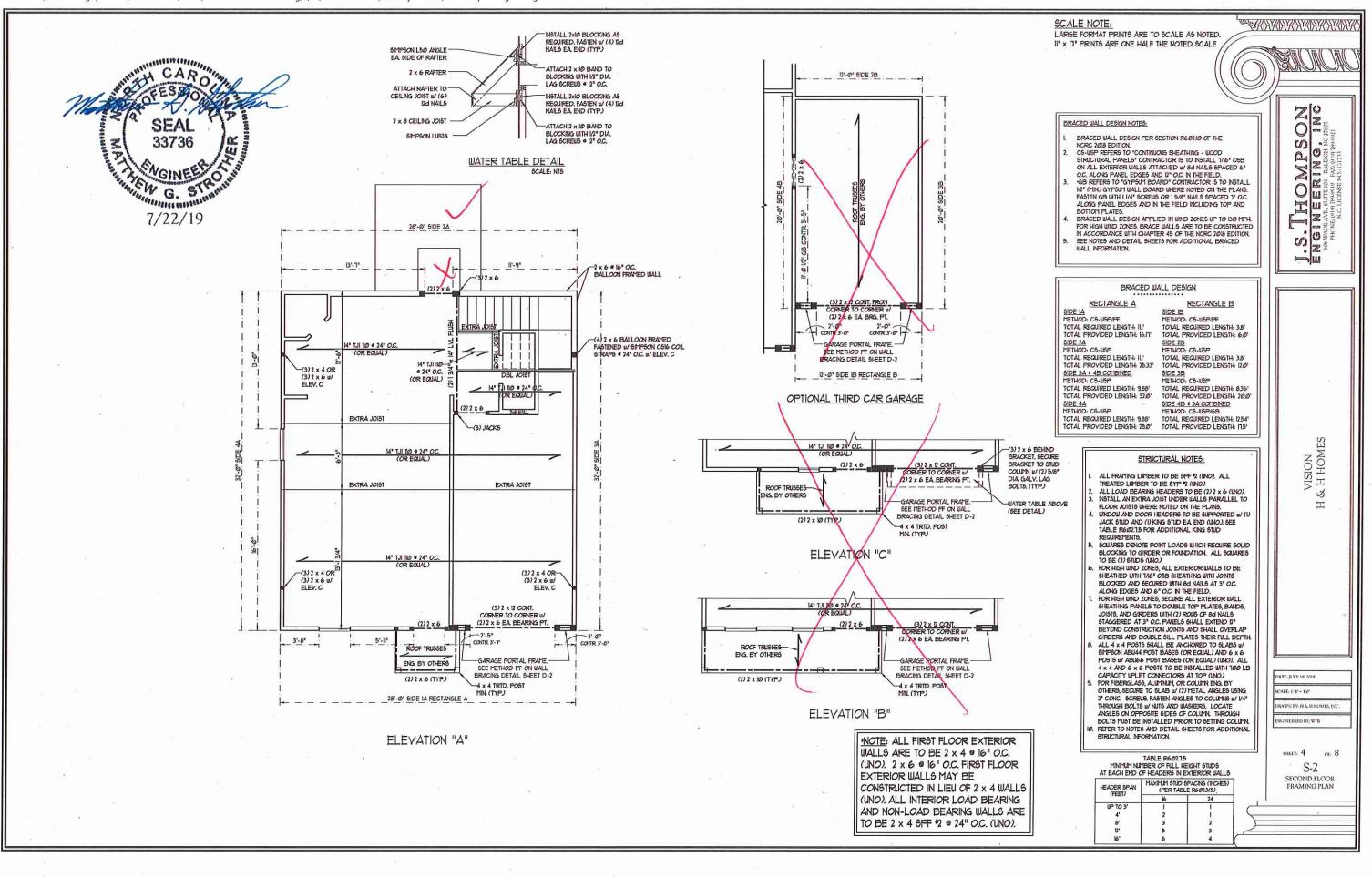
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UPPER FLOOR ELEC. PLAN

UPPER FLOOR ELECTRICAL PLAN **GARAGE RIGHT**





(3)2 x 4 OR

(3) 2 x 6 w/ ELEV. C

PROVIDE (2) KING STUDS EA END OF WINDOW

GIRDER TRUSS

ENG. BY OTHERS W/ ELEV. C

ROOF TRUSSES ENG. BY OTHERS W/ ELEV. C

BY OTHERS W/ ELEV. C

ROOF TRUSSES ENGINEERED BY OTHERS

GIRDER TRUSS ENGINEERED

BY OTHERS w/ (3) 2 x 4 OR (3) 2 x 6 EA END w/ ELEV. C

ELEVATION "A"

-2 x 6 ° 16° O.C. BALLOON FRAMED WALL FROM BELOW

-(4) 2 x 6 BALLOON FRAMED FASTENED w/ SIMPSON C516 COIL STRAPS # 24" O.C. w/ ELEY, C

NOTE: ALL SECOND FLOOR EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 4 SPF 92 @ 24" O.C. 2 x 6 SPF 12 = 24" O.C. (UNO). SECOND FLOOR EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 4 WALLS (UNO). ALL INTERIOR LOAD BEARING AND NON-LOAD BEARING WALLS ARE TO BE 2 x 4 SPF #2 @ 24" O.C. (UNO).

G. STRON ACTURE OF COURSE OF 7/22/19 ELEVATION "C"

ELEVATION "B"

SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED, 11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE



BRACED WALL DESIGN NOTES:

WALL INFORMATION

- BRACED WALL DESIGN PER SECTION R602/0 OF THE
- NCRC 2018 EDITION. C5-USP REFERS TO "CONTINUOUS SHEATHING" WOOD STRUCTURAL PAYELS" CONTRACTOR IS TO INSTALL TAIG" OSB ON ALL EXTERIOR WALLS ATTACHED W/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
- O.C. ALONG PANEL EDGES AND IT OLD IN THE HELD.

 GB REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL

 1/2" (MIN) GYPSUM WALL BOARD WERE NOTED ON THE PLANS.

 FASTEN GB WITH I I/4" SCREWS OR I 5/8" NAILS SPACED 1" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM PLATES.
 BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH.
- FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NORC 2018 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED

NOTE:

- FER SECTION R6023032 OF THE 2018 NCRC, THE AMOUNT OF BRACNS ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.
- SHEATH ALL EXTERIOR WALLS WITH 1/16" OSB SHEATHING ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE SFF 9 (UNO).
 ALL TREATED LUMBER TO BE SYP 9 (UNO)
- ALL LOAD BEARING HEADERS TO BE (2) 2 > 6 (LNO)
- BINDOW AND DOOR HEADERS TO BE SUPPORTED W/ (I) JACK STUD AND (I) KING STUD EA END (UNO.). SEE TABLE R6/21.15 FOR ADDITIONAL KING STUD REQUIREMENTS SQUARES DENOTE POINT LOADS WHICH
- REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION ALL SQUARES TO BE (2) STUDS (UND.)
- FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH TIME" OSB SHEATHING WITH JOINTS BY OCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
- FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PAYELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROUS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND I2" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FULL DEPTH. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION

"D&P" INDICATES DOUBLE STUD POCKET BETUEEN WINDOW UNITS,

TABLE R6/02.15 MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN	MAXIMUM STUD SPACING (NCHE (PER TABLE R6023/5)		
(FEE 17	16	24	
UP TO 3'	i i	1	
4'	2	1	
8'	3	2	
12'	5	3	
16"	6	4	

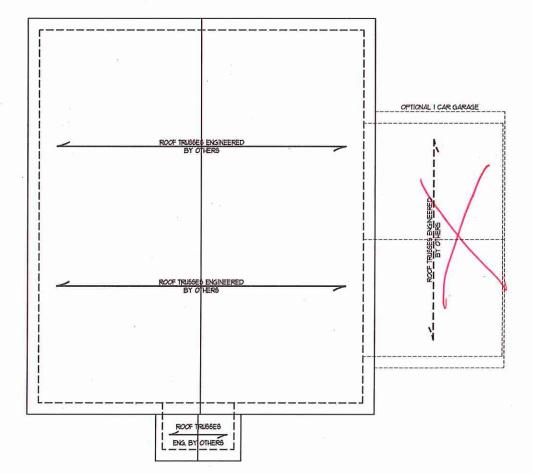
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> S-3 CEILING FRAMING PLAN

O Z SOUTH S

VISION H HOMES

B



ELEVATION "A" - TRADITIONAL

SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.

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



ATTIC VENT CALCULATION:

921 SQ. FT. OF ATTIC DIVIDED BY 150 REQUIRES 61 SQ. FT. OF NET FREE VENTILATING AREA (MN.).

STRUCTURAL NOTES:

ALL FRAMING LUMBER TO BE 2 6FF (UNO). CIRCLES DENOTE (3) 2 x 4 POSTS

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

FRA'NE DOR'TER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS.

4. HIP SPLICES ARE TO BE SPACED A HIN OF 8"-0". FASTEN MEMBERS WITH THREE ROUS OF 12d NAILS • 16" O.C. (TYP)

5. STICK FRA'NE OVER-TRA'NED ROOF SECTIONS W 2 x 8 RIDGES, 2 x 6 RAFTERS • 16" O.C. AND FLAT 2 x 10" YALLEY 5 OR USE VALLEY TRUSSES.

6. FASTEN HAT VALLEYS TO RAFTERS OR TRUSSES WITH SIMPSON HOSA HIRRICANE TIES • 32" O.C. MAX. PASS HIRRICANE TIES •

9IMPSON 195A HURRICANE TIES 9
32° OC. MAX. PASS HURRICANE
TIES THROUGH NOTCH IN ROOF
SHEATHING. EACH RAFTER IS TO
BEF FASTIBLED TO THE FLAT
VALLEY WITH A MIN. OF (6) 12d
TOE NAILS.
REFER TO SECTION REPOIL OF THE
2018 NORC FOR REQUIRED UPLET
RESISTANCE AT RAFTERS AND
TRISSES.

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

VISION H & H HOMES

FNGINEERING, INC

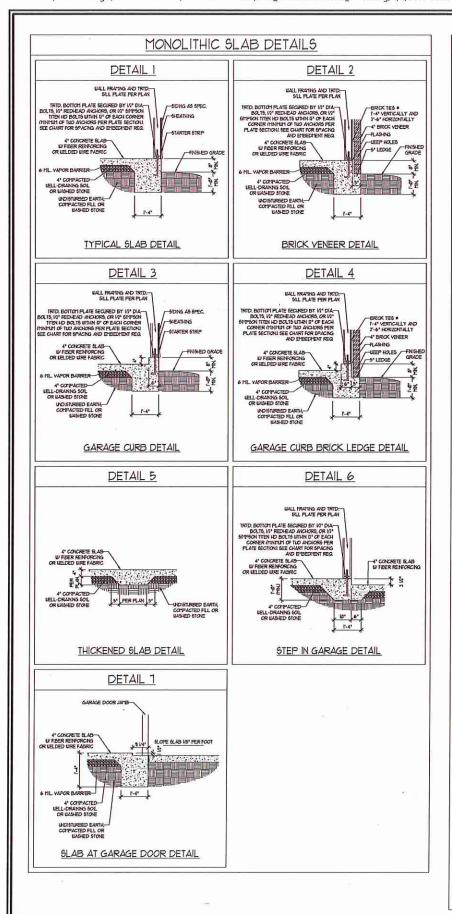


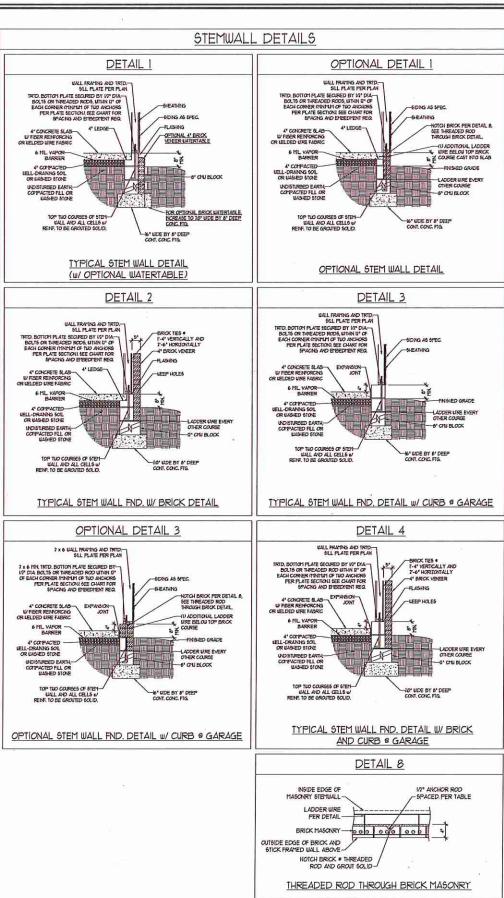
DATE: JULY 19, 2019 SCALE 1/4" - 1/4"

DRAWN BY, H & H HOMES, INC. ENGINEERED BY: WFB

SHEET: 6 OF: 8 S4a ROOF FRAMING

PLAN





	MASONRY S	STEMWALL SPE	ECIFICATIONS	
WALL HEIGHT (FEET)	MASONRY WALL TYPE			
	8° CHJ	4" BRICK AND 4" CMJ	4" BRICK AND 6" CHU	12º CMU
2 AND BELOW	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
3	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
4	GROUT SOLID	GROUT SOLID u/ 14 REBAR # 48" O.C.	GROUT SOLID	GROUT SOLID u/ 14 REBAR 6 64" O.C.
5	GROUT SOLID w/ "4 REBAR # 36" O.C.	NOT APPLICABLE	GROUT SOLID # 14 REBAR # 36" O.C.	GROUT SOLID w 14 REBAR # 64" O.C.
6	GROUT SOLID w/ 44 REBAR # 24" O.C.	NOT APPLICABLE	GROUT SOLID # 14 REBAR # 24" O.C.	GROUT SOLID w/ *4 REBAR # 64* O.C.
1 AND GREATER	Đ.K.	NEERED DESIGN BA	SED ON SITE CONDITI	ONS

STRUCTURAL NOTES:

- WALL HEIGHT PEASURED FRONT TOP OF POSITING TO TOP OF THE WALL.

 THE HILTIPLE WITHES TOGETHER WITH LADDER WIRE AT 16" O.C. VERTICALLY.

 THE HILTIPLE WITHES TOGETHER WITH LADDER WIRE AT 16" O.C. VERTICALLY.

 CHART APPLICABLE FOR HOUSE FOUNDATION ONLY. CONSULT ENGINEER FOR DESIGN OF GARAGE FOUNDATION NOT COMYON TO HOUSE.

 BACKPILL OF CLEAN \$17 No 1 WARRED STONE IS ALLOWABLE.

 BACKPILL OF URLIL DRAINED OR SAND GRAVEL MOTIVES 501.6 (4.5 PSFAT BELOW GRADE) CLASSFIED AS GROUP I ACCORDANCE WITH TABLE REGIS OF THE 200 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

 THIS TABLE REGIS OF THE 200 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

 INSTITUTE AND FELL RELIGIAL.

 LOCATE REDAR IN CENTER OF FOUNDATION WALL.

 BURGER REGUIRED, FILL BLOCK SOLID WITH TITPE 15" MORTAR OR 3000 PSI GROUT, USE OF "LOW GREATER."

AN	ICHOR SPACING AND	EMBEDMENT
WIND ZONE	120 MPH	ВФ МРН
SPACING	6'-0" OC.	4'-0' O.C.
EMBEDMENT	7.	5" NTO MASONRY T' NTO CONCRETE

SEAL

33736

EW G. S

Seemmen with

7/22/19

WIND SPEED MPH FOUN

ZOZ

OMPS FRING

T Z

3 S.S.

SCALE: NTS NGINEERED BY JES

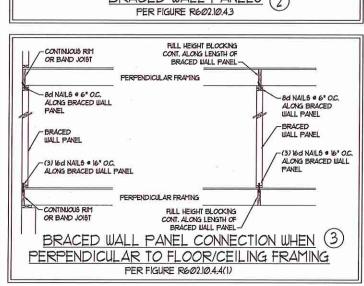
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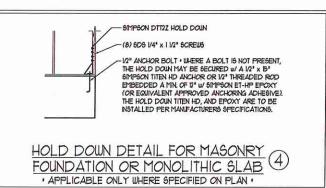
D-1

FOUNDATION DETAILS

48" OR LESS

GENERAL WALL BRACING NOTES: WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NORC). 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. 3. BRACED EXTERIOR WALLS SUPPORTING ROOF TRUSSES AND RAFTERS INCLUDING STORIES BELOW THE TOP ELOOP HAVE BEEN DESIGNED FER RE0235 (3), WALL SHEATHING AND PASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLIFT AND SHEAR FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERED PRACTICE. 4. SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS, DITIENSIONS, HOLD DOWN TYPE AND LOCATIONS, BRACED WALL LINE KEY WITH WALL DESIGN SUMMARY OF REQUIRED/PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES 5. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH C5-USP IN ACCORDANCE WITH SECTION R602.003 UNLESS NOTED 6. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 12" GYPSUM INSTALLED, WHEN NOT USING METHOD "GB", GYPSUM TO BE FASTENED PER TABLE R10235. METHOD GB TO BE FASTENED PER TABLE R602101 1. C9-USP REFERS TO THE "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" WALL BRACING METHOD. "1/16" OSB SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED W 64 CONTYON NAILS OR 64 (2 M° LONG x Ø)13" DIAMETER) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (WIND). GB REFERS TO THE "GYPSUM BOARD" WALL BRACING METHOD. 1/2" (MIN.) GYPSUM WALL BOARD IS TO BE INSTALLED ON BOTH BOES OF THE BRACED WALL FASTENED WITH I VI* SCREWS OR I 5/8" NAILS SPACED 1" OC. ALONG PANEL EDGES NCLUDING TOP AND BOTTOM PLATES AND INTER*EDIATE SUPPORTS (WILO), VERFY ALL FASTENER OPTIONS FOR IZ* AND 5/8" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENER OPTIONS SEE TABLE R10235. FOR EXTERIOR FASTENER OPTIONS SEE TABLE REPORTAL. EXTERIOR GB TO BE INSTALLED VERTICALLY. REQUIRED BRACED WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R602. 103. METHOD CS-USP CONTRIBUTES ITS ACTUAL LENGTH, METHOD GB CONTRIBUTES 5 ITS ACTUAL LENGTH, AND METHOD FF CONTRIBUTES IS TIMES ITS ACTUAL LENGTH. -HEADER PER PLAN CONTINUOUS TO CORNER UNLESS NOTED OTHERWISE ON FLANS. IF HEADER IS NOT CONTINUOUS TO CORNER BLOCK BETWEEN 6TUDS FROM END OF HEADER TO CORNER OF WALL W/ 2 x I2 BLOCKING AND CONTINUE NAILING PATTERN AS SHOUN. -FASTEN TOP PLATE TO HEADER WITH (2) ROUS OF 16d SINKER NAILS . 3" O.C. -(2) SIMPSON CSIG COIL STRAPS W/ IS END LENGTHS INSTALLED ON INSIDE OF WALL EDGE OF CONTINUOUS 4' x 8' SHEET OF SHEATHING, INSTALL 1/16" OSB SHEATHING ON CUTSIDE OF BRACED WALLS (AND INSIDE FACE WHERE NOTED ON THE PLANS), ATTACH OSB WITH 8d NAILS 3" O.C. ALONG EDGES, INTERMEDIATE STUDS, AND PLATES, WHERE SHEATHING LAPS HEADER DIRECTLY ABOVE BRACED WALL PANEL 8d NAILS ARE TO BE SPACED IN A 3" O.C. GRID PATTERN AS SHOWN AND 6" O.C. IN THE FIELD ABOVE THE OPENING, INSIDE SHEET(6) (IF INSTALLED) WILL TERMINATE AT THE CEILING LINE (TYP.) FOR A PANEL SPLICE (IF NEEDED) PANEL





TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING (5) PER FIGURE R602.10.3(5) MIN 24" WOOD STRUCTURAL -SEE TABLE RE023(1) PANEL AN 800 LB HOLD DOWN DEVICE MAY BE INSTALLED IN LIEU OF CORNER RETURN -ORIENTATION OF STILD MAY -GYPSUM WALLBOARD AS REQUIRED AND INSTALLED IN ACCORDANCE 16d NAIL (3 1/2" x Ø131") WITH CHAPTER 1 (TYP) OPTIONAL NON-STRUCTURAL PANEL BRACED WALL LINE SEE TABLE R6023(I) CONTINUOUS ILLOCO STRUCTURAL (a) OUTSIDE CORNER DETAIL (5a) ORIENTATION OF STUD MAY ARY, SEE FIGURE R6023(2) 16d NAIL (3 1/2" x Ø131") - CONTINUOUS IIVOOD STERICTURA SEE TABLE R6023(I) GYPSIM WALLBOARD AS REQUIRED AND INSTALLED MN 24" IIDOD STRICTURAL PANEL IN ACCORDANCE WITH CHAPTER 1 (TYP) DOWN DEVICE MAY BE INSTALLED N LIEU OF CORNER RETURN (b) INSIDE CORNER DETAIL (5b) GYPSUM WALLBOARD AS REQUIRED - SEE TABLE R6@23(1) AND INSTALLED IN ACCORDANCE 16d NAIL (3 1/2" x Ø.131") (2 ROUS # 24" O.C. MIN 24" WOOD STRUCTURAL SHEATHING PER PLAN PANEL CORNER RETURN AN 800 LB HOLD DOWN DEVICE MAY BE NSTALLED IN LIEU OF CORNER RETURN CONTINUOUS WOOD STRUCTURAL PANEL FASTENERS ON EACH STUD (5C) AT EACH PANEL EDGE (c) GARAGE DOOR CORNER DETAIL (SEE PLAN FOR ADDITIONAL STRUCTURAL INFORMATION OR ALTERNATE CONFIGURATIONS)

BRACED WALL PANEL CONNECTION WHEN

- ADDITIONAL FRAMING

BRACED WALL PANEL

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

BRACED WALL PANEL

- BRACED WALL PANEL

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

ADDITIONAL FRAMING

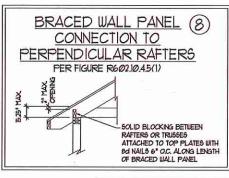
MEMBER DIRECTLY BELOW

ALONG BRACED WALL PANEL

PARALLEL TO FLOOR/CEILING FRAMING

PER FIG. R602 10 4 4(2)

SCALE NOTE: LARGE FORMAT PRINTS ARE TO SCALE AS NOTED II" x IT" PRINTS ARE ONE HALF THE NOTED SCALE KNG STUDS DETUEEN GARAGE HEADERS PER FLAN PONY WALL FER GARAGE HEADER PER PLAN STRAPS TOP AND BOTTON NSIDE FACE OF BEAM TO HEADERS TOSETHER JACK 61UD6 EUPPORTING HEADERS PER PLAN PORTAL FRAME CONNECTION DETAIL BETWEEN GARAGE DOOR HEADERS REFERENCE PORTAL FRAMÉ DETAIL FOR ALL OTHER PORTAL FRAME INFORMATION)



O Z SOUTH 0 D 0 5 ERIN ERIN CUTE 104 FALE ENGINE FINANCE (919) 789

DESIGN WIND S S AND DETAILS

MPH ULTIMATE D BRACING NOTES

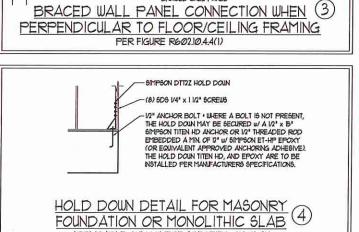
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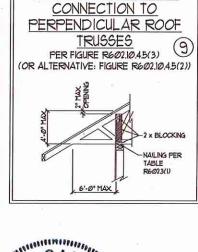
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BRACED WALL PANEL CONNECTION TO PERPENDICULAR ROOF TRUSSES (9)PER FIGURE R602.10.45(3) OR ALTERNATIVE: FIGURE R602.10.45(2)) -2 x BLOCKING NAILING PER TABLE R6023(I)

> ATE: OCTOBER 30, 201 CALE 1/4" - POT RAWN BY: JST NGINEERED BY, IST D-2 BRACED WALL NOTES AND DETAILS AND PF DETAILS

FULL HEIGHT BLOCKING . 401101791111100 16" OC ALONG LENGTH OF CARO GINE EW G. CHARACTER COLDERS 7/22/19





16" O.C. ALONG LENGTH OF

BRACED HALL PANEL

TOE NAIL (3) 8d NAILS AT

EA BLOCKING MEMBER

BRACED WALL PANEL

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

(2) led NAILS EA SIDE

AT EA BLOCKING

MEMBER

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

BRACED WALL PANEL

BRACED WALL PANEL

(3) 16d NATI 5 9 16" OC

CONTINUES PIM .../ FINGER

JOISTS OR DBL. BAND JOIST

ING BRACED WALL PANEL

VALLE # 3" OC ALONG FA PANEL FORE MIN 2 x 4 STUDS WITH PONY WALL HEIGHT UP TO 2' MIN 2 x 6 STUDS WITH PONY WALL HEIGHT GREATER THAN 2' OTTOM PLATE SECURED BY 1/2" DIA BOLTS w/ 2" x 2" x 3/16" PLATE WASHERS (MIN.) BOLTS TO BE INSTALLED WITHIN 12" OF THE ENDS OF EACH PLATE (MIN. OF TWO ANCHORS) FER PLATE SECTION), FOR MASONRY STEMUALL CONSTRUCTION OPTIONS, SEE FIG. R602.10.43 CONCRETE OR MASONRY BLOCK FOUNDATION OVER CONCRETE OR MASONRY BLOCK FOUNDATION SIMPSON LTP4 ANCHOR AT EACH END OF THE PORTAL FRAME PANEL -WOOD STRUCTURAL PANEL SHEATHING OVER APPROVED BAND OR RIM JOIST

METHOD PF-PORTAL FRAME DETAIL

OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION

· APPLICABLE W GREATER THAN 12" KNEE WALL HEIGHTS IN CRAWL SPACE AND ABOVE FRAMED BASEMENT WALLS

EDGES SHALL OCCUR OVER AND BE NAILED TO COMMON BLOCKING, ONE ROW OF BO

20" LAP MIN. (TYP.) MN (TYP) SHORT STEM WALL REINFORCEMENT TALL STEM WALL REINFORCEMENT 48" OR LESS BRACED WALL PANEL BRACED WALL PANEL BOND BEAM w/ (I) 4 REBAR -BOND BEAM 5/8" THREADED RODS MAY OPT. FACE -B' CM BE SUBSTITUTED FOR ANCHOR BOLTS AND REBAR - NUT AND 2" MIN. WASHER -1. 3" COVER-ODS MAY BE INSTALLED USING AN ADHESIVE TYPICAL STEM WALL SECTION ANCHORING SYSTEM WITH A MINIMUM TENSILE CAPACITY OF 3150 LBS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECE

BRACED WALL PANEL

- 1/2" ANCHOR BOLTS

PER BRACED WALL REQUIREMENTS

4 REBAR FIELD BENT

6" INTO BOND BEAM

BOND BEAM W

(I) 4 REBAR

OPTIONAL STEM WALL REINFORCEMENT

48" OR LESS

-BRACED WALL PANEL

-1/2" ANCHOR BOLTS

PER BRACED WALL

- 4 REBAR RELD BENT

6" INTO BOND BEAM

BOND BEAM

NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN REBAR, THREADED RODS AND ANCHOR BOLTS MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS (2)

- CONTINUOUS RIM OR BAND JOIST

SCALE NOTE:

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

, Z 9

2 %

SPEED

工山 0

> · 130 MPH ULTIMATE DESIGN WIND STANDARD STRUCTURAL NOTES MPH

GENERAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO 1-JOIST OR FLOOR/ROOF TRUSS
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NCRC), 2018 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE
- 3. STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NORC, 2018 EDITION (R3014 R301.T)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	Ø	L/240 (L/360 w/ BRITTLE FINISHES)
ATTIC WITHOUT STORAGE	lø .	10	L/360
DECK5	40	10	L/36Ø
EXTERIOR BALCONES	40	10	L/360
FIRE ESCAPES	40	10	L/360
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10	L/36Ø
PASSENGER VEHICLE GARAGE	50	10	L/36Ø
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/36Ø
SLEEPING ROOMS	30	10	L/360
STAIRS	40	10	L/360
WIND LOAD	(BASED ON TABLE R3012(4) WIND ZONE AND EXPOSURE)		
GROUND SNOW LOAD: Pa	2Ø (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
- 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 IS TO COMPLY WITH SECTION 4504 OF THE NORC, 2018 EDITION
- 5. ENERGY EFFICIENCY CONFILIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NCRC 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 PERIFETER 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 ASSUE WIFOM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL A 4" THICK DASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS NOTALLED ON WELL-DRANNED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP I, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R405J OF THE NORC, 2018 EDITION.
- 3. PROPERLY DEMATER EXCAVATION PRIOR TO POURING CONCRETE MAEN BOTTOM OF CONCRETE GLAB IS AT OR BELOW MATER TABLE. IF APPLICABLE, 3/4" - I" DEEP CONTROL JOINTS ARE TO BE SAUED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSAR
- 4. CONCRETE SHALL CONFORM TO SECTION R4022 OF THE NORC 2018 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60. WELDED WIRE FABRIC TO BE 45TM AIRS. MAINTAIN A MINIMIT CONCRETE COVER AROUND RENFORCING STEEL OF 3" IN FOOTINGS AND 1/3" IN 95.485. FOR POURED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL NOT BE LESS. THAN I 1/2" FOR "5 BARS OR SMALLER, AND NOT LESS THAN 2" FOR "6 BARS OR LARGER.
- 5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/IMS 402, MORTAR SHALL CONFORM
- 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 DITENSION FOR SOLID OR SOLID FILLED PIERS, FERS 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 POLINDATION III ALL S ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION RIESE OF THE NORC, 2018 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NOMA TREE-A OR ACE 530/ASCE 5/MS 402. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R4041X(1), R4041X(2), R4041X(3), OR R4041X(4) OF THE NCRC, 2018 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R4041K5) OF THE NCRC, 2018 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 × 6 FRAMED WALLS AT 16" O.C. WHERE GRADE FERMITS (UNO).

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FRAMING NOTES

- 1 ALL FRAMING LUMBER SHALL BE 2 SFF MINIMUM (Fb = 815 PSI, Fv = 315 PSI, E = 16000000 PSI) UNLESS NOTED OTHERUISE (UNO). ALL REATED LUMBER SHALL BE 12 SYP MINIMIM (Fb = 915 PSI, Fv =115 PSI, E = 16000000 PSI) UNLESS NOTED OTHERWISE (UNO)
- 2. LAMINATED VENEER LUMBER (LVL.) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb +2600 PSI, Fv + 285 PSI, E + 19000000 PSI. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: No = 2325 PSI, Fy = 310 PSI, E = 1550000 PSI. PARALLEL STRAND LUMBER (PSL) UP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2500 PSI, E = 10000000 PSI. PARALLEL STRAND LUMBER (PSL) MORE THAN 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2900 PSI, E = 20000000 PSI. NSTALL ALL CONNECTIONS FER MANUFACTURER'S SPECFICATIONS.
- 3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

W AND WT SHAPES: **ASTM A992** CHANNELS AND ANGLES: ASTM A36

PLATES AND BARS: ASTM A36 HOLLOW STRUCTURAL SECTIONS:

ASTM A500 GRADE B STEEL PIPE. ASTM A53, GRADE B, TYPE E OR 5

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

A WOOD FRAMING (2) 1/2" DIA x 4" LONG LAG SCREUS B. CONCRETE (2) 1/2" DIA x 4" LEDGE ANCHORS

C. MASONRY (FULLY GROUTED) (2) V2" DIA x 4" LONG SIMPSON TITEN HD ANCHORS

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

- 5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION, SHADED SQUARES DENOTE POINT LOADS YOM 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 (I) KING STUD EACH END (UNO), WHICHEVER IS GREATER ALL HEADERS TO BE SECURED TO EACH JACK STUD WITH (4) 8d NAILS. ALL BEAMS TO BE SUPPORTED WITH (2) STUDS AT EACH BEARING POINT (UNO). INSTALL KING STUDS PER SECTION R602.15 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION
- 1. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR FULLY ON (I) 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 LIZ" MINIMUM BEARING (UNO). ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY MORE THAN (3) STUDS OR OTHER NOTED COLUMN ARE TO BEAR FULLY ON SUPPORT COLUMN FOR ENTIRE WALL DEPTH (UNO.). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO).
- 8. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A3/01) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMIM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS
- 9. ALL I-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS, ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
- 10. BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION WALL BRACING CRITERIA. THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION RE0010.
- PROVIDE DOUBLE JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR I-JOISTS PER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- 12. FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8"-0" IN LENGTH, REST A 6" x 4" x 5/16" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (UNO). FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH I/2" LAG SCREWS AT 12" O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES BOLT A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING INSTALLED W (4) 12d NAILS EA PLY BETWEEN WALL STUDS WITH (2) ROUS OF 1/2" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION RT03.821 OF THE NCRC. 2018 EDITION.
- B. FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2×4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS
- 14. FOR 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).
- 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 USING ONE SIMPSON HIS OR LITSIZ UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE 16" SECTION OF SIMPSON CSIG COIL STRAPPING WITH (8) BIG HOG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIST STRAP IF DESIRED, FOR MASONRY OR CONCRETE FOUNDATION USE SIMPSON POST BASE.

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S-0 STRUCTURAL NOTES