# INVENTORY MARKED LOT 2 SCHABERT CROSSING

## PRELUDE H&H HOMES

#### **PLAN REVISIONS**

11-08-17 COMPLETED CONSTRUCTION DOCUMENTS INCLUDING CLIENT REVIEW COMMENTS.

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

09-21-18 STANDARD CLIENT CHANGES PER CLIENT WALK-THRU NOTES DATED 08-30-18. CHANGES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: REMOVE OPT. LAUNDRY TUB, REMOVE KITCHEN ISLAND KNEEWALLS, CHANGE KITCHEN ISLAND COUNTER TOP TO HAVE 12" OVERHANGS, REMOVE OHC. ABOVE PRIDGE, ADD PLIMBING DROP UNDER CABINET, REMOVE GARAGE SERVICE DOORS, REMOVE OPT. RAILING: AT STAIRS, REVISE ALL SECONDARY CLOSETS AND LINENS TO HAVE BI-FOLD DOORS, REVISE OPT. E-CENTER TO HAVE 18" DRAWER BANK EACH SIDE WITH 32" KNEE SPACE WITH 2 USS OUTLETS, REMOVE WINDOW GRIDS AT SIDES AND REAR ELEVATIONS, CHANGE ALL GARAGE DOORS TO 16 PAINEL DOORS, REVISE DATA DROPS TO BE I PHONE IN KITCHEN AND ITV. IN QUINERS SUITE AND GATHERING: ROOM ONLY, REMOVE COVERED PORCH OPTION, REVISE KITCHEN LIGHTING TO BE 4-BULB FLUORESCENT LIGHT.

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

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

02-11-20 VERIFIED AND UPDATED DIMENSIONS FOR PAD AND PATIO. REVISED ROOM DIMENSIONS FOR THE FOLLOWING ROOMS: GATHERING ROOM WAS 16'-10" X 17'-0", NOW IT 15 18'-0" X 17'-0". CHANGE WASHER, DRYER, AND REFRIGERATOR TO OPTIONAL COMPONENTS. CHANGE LOCATIONS OF HOSE BIBBS TO BE ON HEATED WALLS. VERIFIED HOR HGTS. ARE AT LEAST 1'-0". VERIFIED MASTER'S WAS CHANGED TO OWNER'S CHANGED 2X4 WALL AT REAR GARAGE WALL TO 2X6. ADDED ROOF VENT CALCULATIONS ADDED THERMOSTAT TO FIRST FLOOR ELECTRICAL PLAN. DIMENSION CEILING FAN IN GATHERING ROOM ON ELECTRICAL PLAN. UPDATED FOR NC RC 2018 AND SC IRC 2018. UPDATED SLAB INTERFACE PLAN AND OPTIONS. ADDED OPTIONAL FULL BATH 3 (ILO PDR-1) ADDED INSULATION DETAIL TO PLANS VERIFIED AND ADDED 3-0 5-0 WINDOW FOR VENTILATION REQIMTS IN OWNER'S BEDROOM.

ADDED OPTIONAL DBL OVEN AT KITCHEN.

CHANGE ALL CEILING FANS TO OPTIONAL.

CREATED AND REVISED CUTSHEETS.

ISQUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERFY ALL NOTES, DYENSIONS, AND ADVERENCE TO APPLICABLE BUILDING CODES FROM TO CONTROLLED FOR ANY CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN YORES, DYENSIONS, OR ADVERSENCE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE CONTROLPHON OF ANY CONSTRUCTION.

ANY REVISIONS OR CHAVES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE

ANT REVISIONS ON CHANGES, NOT RELIABLED TO THE CORRECTION OF ENROWSHIMAL AND TRADE
AFTER THE FINAL FLANS HAVE BEEN COMPLETED SHALL BE SUBJECT TO ADDITIONAL FEES.

F. ANY MODIFICATIONS AGE MADE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE

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

04-01-20 GATHERING WAS CHANGED TO FAMILY. CAFE WAS CHANGED TO CASUAL DINING. REMOVED HANSEN BOX AND DRYER VENT. 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 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. REVISED ROOM DIMENSIONS FOR THE FOLLOWING ROOMS: CASUAL DINING WAS 9'-0"X16'-0", NOW 9'-1"X15'-10" FAMILY ROOM WAS 18'-0"X17'-0", NOW 17'-10"X17'-0' REVISED FRONT PORCH AREA AS FOLLOUS: ELEVATION A, IT WAS 32 SF, NOW 54 SF ELEVATION C, IT WAS 21 SF, NOW 43 SF. CREATED LEFT HAND GARAGE VERSION REMOVED ELEVATION C. UPDATED SQ. FT. LOG TO ELIMINATE ROUNDING, FIRST FLOOR WAS 1040 SF, NOW 1039 SF. SECOND FLOOR WAS 1395 SF, NOW 1394 SF, FRONT PORCH AT ELEV. B WAS 43 SF, NOW 42 SF, CHANGED SHUTTERS TO BE 14" WIDE.

Ø4-Ø8-2Ø ADDED WINDOW SCHEDULE CHANGED GARAGE WALL FROM 2x6 TO 2x4 CHANGED POWDER ROOM DOOR TO 2'6" LAUNDRY DOOR CHANGED TO 2'8" CHANGED IXIO TRIM ON ELEVATION A TO IX8 TRIM ADDED DETAIL FOR DECORATIVE BRACKET ON ELEVATION A CHANGED IXIO TRIM ON ELEVATION B TO IX8 TRIM FIXED PORCH CONCRETE TO KEEP COLUMN FROM OVERHANGING, SQUARE FOOTAGE CHANGED FROM 54 SQ. FT. TO 56 SQ. FT. ELEVATION A ADDED DETAIL FOR DECORATIVE BRACKET ON ELEVATION B ADDED DETAIL FOR DECORATIVE GABLE ON ELEVATION B CHANGED IXID TRIM ON FLEVATION D. TO IX8 TRIM FIXED PORCH CONCRETE TO KEEP COLUMN FROM OVERHANGING, SQUARE FOOTAGE CHANGED FROM 42 SQ. FT. TO 44 SQ. FT. ELEVATION B REMOVED IXIØ TRIM ABOVE GARAGE ON ELEVATION D ADDED DETAIL FOR DECORATIVE BRACKET ON ELEVATION D FIXED PORCH CONCRETE TO KEEP COLUMN FROM OVERHANGING, SQUARE FOOTAGE CHANGED FROM 86 SQ FT TO 19 SQ FT FI EVATION D REMOVED COLUMN BASE FROM ELEVATION D AND MADE COLUMN 8" 5Q FULL COLUMN REMOVED OPTIONAL CEILING FAN FROM FAMILY ROOM. CHANGED ALL TRIM AROUND WINDOWS, DOORS, & GARAGES TO 4" TRIM. RESITED CHASE IN OUNER'S IUIC. RELOCATED CONDUIT TO GO FROM ISLAND TO CLOSEST EXTERIOR WALL CHANGED COAT CLOSET DOOR FROM 2/6 BIFOLD TO 2/6 STD. CHANGED OWNER'S BATH LINEN CLOSEST FROM 2/6 BIFOLD TO 2/6 STD. CHANGED UPSTAIRS LINEN CLOSET FROM 2/6 BIFOLD TO 2/6 STD. CHANGED BED 2 CLOSET DOOR FROM 2/6 BIFOLD TO 2/6 STD. CHANGED BED 3 CLOSET DOOR FROM 2/6 BIFOLD TO 2/6 STD. CHANGED BED 6 CLOSET DOOR FROM 2/6 BIFOLD TO 2/6 STD CHANGED STUDY CLOSEST DOOR FROM 2/6 BIFOLD TO 2/6 STD. CHANGED POWDER ROOM LINEN FROM 2/6 BIFOLD TO 2/0 STD.

01-01-22 CHANGED STUDY DOOR FROM 2/4 STD. TO 2/6 STD.

EXTENDED POWDER ROOM 2 1/2" NTO FOYER HALLWAY
RECENTERED 4/0 OPENING FROM FOYER TO FAMILY ROOM

SQUARE FOOT	AGE
HEATED AREAS	ELEV 'A'
FIRST FLOOR	1039 SQ. FT.
SECOND FLOOR	1394 SQ. FT.
TOTAL HEATED SF	2433 SQ. FT.
UNHEATED AREAS	
2-CAR GARAGE	394 SQ. FT.
COVERED AREAS	
FRONT PORCH	56 SQ. FT.
UNCOVERED AREAS	
PAD	16 SQ. FT.
OPTIONAL PATIO	80 SQ. FT.
HEATED OPTIONS	
OPTIONAL BEDRM. 4	0
OPTIONAL BEDRM. 5	0
OPTIONAL BEDRM. 6	0
UNHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ. FT.

COLLABE FOOTACE

SQUARE FOO	TAGE
HEATED AREAS	ELEV 'B'
FIRST FLOOR	1039 SQ. FT.
SECOND FLOOR	1394 SQ. FT.
TOTAL HEATED SF	2433 SQ. FT.
UNHEATED AREAS	
2-CAR GARAGE	394 SQ. FT.
COVERED AREAS	
FRONT PORCH	44 SQ. FT.
UNCOVERED AREAS	
PAD	16 SQ. FT.
OPTIONAL PATIO	80 SQ. FT.
HEATED OPTIONS	
OPTIONAL BEDRM. 4	0
OPTIONAL BEDRM. 5	0
OPTIONAL BEDRM. 6	0
UNHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ. FT.

SQUARE FOOTAGE				
HEATED AREAS	ELEV 'D'			
FIRST FLOOR	1039 SQ. FT.			
SECOND FLOOR	1394 SQ. FT.			
TOTAL HEATED SF	2433 SQ. FT.			
UNHEATED AREAS				
2-CAR GARAGE	394 SQ. FT.			
COVERED AREAS				
FRONT PORCH	79 SQ. FT.			
UNCOVERED AREAS				
PAD	16 SQ. FT.			
OPTIONAL PATIO	80 SQ. FT.			
HEATED OPTIONS				
OPTIONAL BEDRM. 4	0			
OPTIONAL BEDRM. 5	0			
OPTIONAL BEDRM. 6	0			
UNHEATED OPTIONS				
OPTIONAL 1-CAR GARAGE	240 SQ. FT.			

PURL MIRES
Built by H&H Homes

B NUMBER D FILE NAME	B−1815932® PRELUDE−R
UED	11-08-17
VISED	11-16-17
	09-21-18
	02-11-20
	04-01-20
	04-08-20
	07-01-22

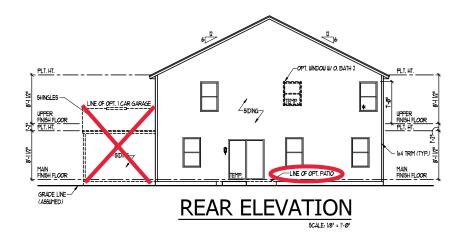
DRAWINGS ON 11"x17" SHEET ARE ONE HALF THE SCALE NOTED

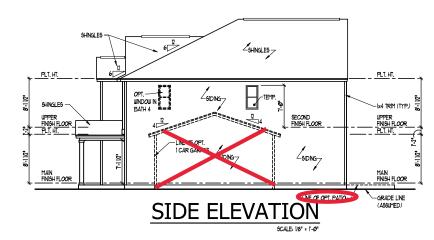
PRELUDE - Garage Right H&H HOMES

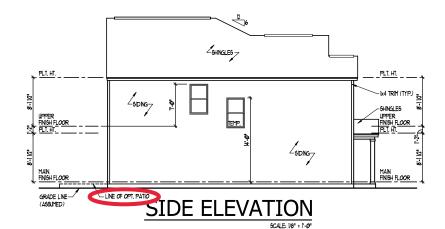
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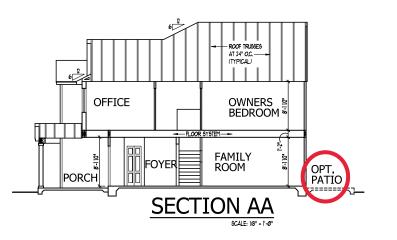
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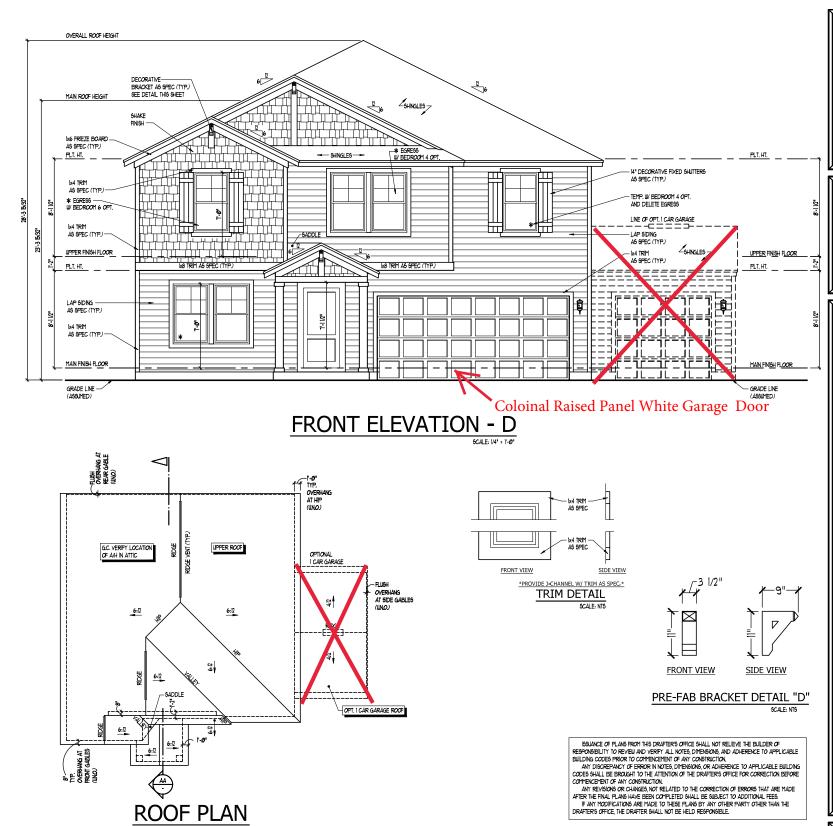












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PREL

PRONT ELEVATION
REAR ELEVATION
RIGHT AND LEFT ELEVATION
SECTIONAL
ROOF PLAN
MISC DETAILS

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

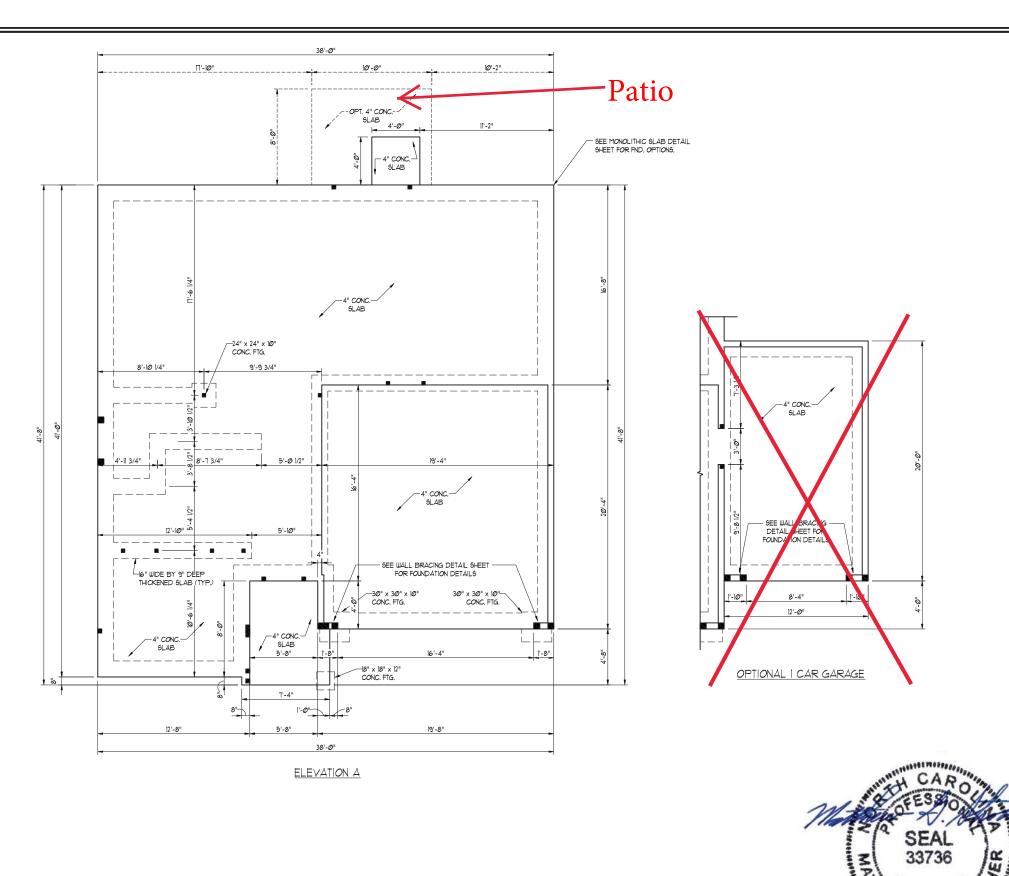
Right

Garage

HOME

H&H

ELEVATIONS, ROOF PLAN, & SECTION - ARTS AND CRAFTS 'D' A3.2



SCALE NOTE:

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

THOMPSON SINE RING, INC

PRELUDE & H HOMES

150 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT:

SPEED NOTES TON LESS THAN
320 "TEAN ROOF HEIGHT:

BYSINER'S SEAL APPLIES ONLY TO
STRUCTURAL COMPONENTS, ENGINEER'S
SEAL DOES NOT CERTIFY DIPPOSIONAL
ACCURACY OR ARCHITECTURAL LAYOUT
NOLLDING ROOF SYSTEM.

STRUCTURAL DESIGN FER NORTH
CAPOLINA RESIDENTIAL CODE, 20'8
EDITION WITH SPECIAL, CONSIDERATION TO
CHAPTER 49 ("HIGH WIND ZONES" FOR BO
MPH WINDS).

BILLIDER 15 TO PROVIDE FRAMING
CONNECTIONS AS REQUIRED BY CHAPTER
49 ("HIGH WIND ZONES" FOR BO MPH
WINDS) OF THE NORTH CAROLINA
RESIDENTIAL CODE, 20'8 EDITION.
PEAN ROOF HEIGHT IS LESS THAN 30 FEET.
WILL CLADDING DESIGNED FOR "243 PSF
AND -39 PSF ("A" NDICATE POSITIVE !

NEGATIVE PRESIDER ("TYP).
ROOF CLADDING DESIGNED FOR "222 PSF
AND -38 PSF FOR ROOF PITCHES TO TO
ZON AND 44 PSF AND -51 PSF FOR ROOF
PITCHED 225% TO TIO.

TAS' ONS SHEATHING IS EXCURDED ON ALL
EXTERIOR WALLS.

WALLS TO BE BRACED IN ACCORDANCE
WITH SECTION REGIDED ON FLANS.

DELEGAT EFFICIENCY COMPILIANCE AND
DELEGAT EFFICIENCY COMPILIANCE.

WILLIA TO AND AS NOTED ON FLANS.

DELEGAT EFFICIENCY COMPILIANCE.

DELEGATE THE CIRCLY COMPILIANCE.

DELEGAT EFFICIENCY COMPILIANCE.

DELEGAT EFFICIENCY COMPILIANCE.

DELEGAT EFFICIENCY COMPILIANCE.

DELEGAT EFFICIENCY COMPILIANCE.

THE NORC. 20'8 EDITION.

120 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT:

30' MEAN ROOF HEIGHT:

1. ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIPHENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT NICLUDIN ROOF STSTEM.

2. STRUCTURAL DESIGN FER NORTH CAROLINA RESIDENTIAL CODE, 20% EDITION.

3. INSTALL IS! MICHOR BOLTS 6'-0'-OC. AND WITHIN 1'-0' FROM END OF EACH CORNER ANCHOR BOLTS MIST EXTEND A HINIMM OF I'N INTO MASONEY OR CONCRETE. LOCATE BOLT WITHIN MIDDLE THIRD OF PLATE WIDTLA. HEAR BOOK PERSONED FOR 120 MPH WINDS.

6. WALL CLADDING DESIGNED FOR 120 MPH WINDS.

6. WALL CLADDING DESIGNED FOR 120 MPH WINDS.

MORE AND 3-0 MPS (4'- NID) CLATE POSITIVE / NEGATIVE FREESWER (1'TY).

NEGATIVE FREESWER (1'TY).

NEGATIVE FREESWER (1'TY).

NEGATIVE THE STANDARD FOR ALL FOR THE AND 3-0 MPS (4'- NID) CATE POSITIVE / NIGATIVE PRESSURE (1'TY).

NET ALL TIME '0'SE SHEATHING ON ALL EXTERIOR WALLS OF ALL STORIES IN ACCORDANCE WITH SECTION ROSIOSO OF THE NERS, 20% EDITION. SEE THE WALL BRACING NOTES AND DETAILS SHEET FOR MORE NOTES AND DETAILS SHEET FOR NIGHT AND ALL STRUCTURAL INFORMATION.

3. ENERGY EFFICIENCY COMPLIANCE AND NIGHT AND ALLES OF THE WALL BRACING NOTES AND DETAILS SHEET FOR NORTH ATTORY. AND SETTING THE WALL BRACING NOTES AND DETAILS SHEET FOR NORTH ATTORY. AND SETTING THE SETTION ROSE OF THE WALL BRACING NOT ALLES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER ID OF THE NORTH ATTORY.

LEGEND			
CONT	CONTINUOUS		
XJ	EXTRA JOIST		
DJ	DOUBLE JOIST		
TJ	TRIPLE JOIST		
EA	EACH		
FDN	FOUNDATION		
FTG	FOOTING		
OC	ON CENTER		
SPF	SPRUCE PINE FIR		
SYP	SOUTHERN YELLOW PINE		
TRTD	PRESSURE TREATED		
TYP	TYPICAL		
UN0	UNLESS NOTED OTHERWISE		

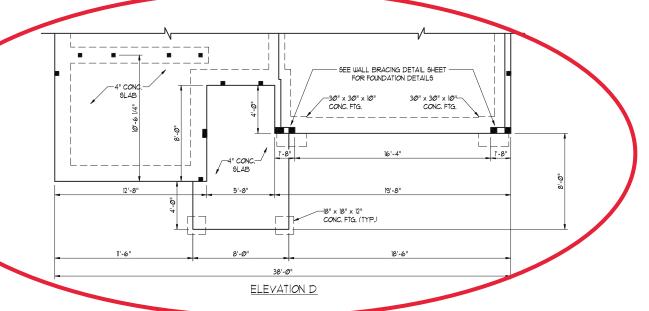
7/15/2022

DATE: JULY 14, 2022 DRAWN BY: PURL HOMES INEERED BY: JAG

SHEET: 3 OF: 13

S-1.2a MONO SLAB FOUNDATION PLAN

- SEE WALL BRACING DETAIL SHEET -FOR FOUNDATION DETAILS 30" x 30" x 10" CONC. FTG. —30" x 30" x 10" CONC. FTG. -18" x 18" x 12" Co. IC, FTG. 38'-0" ELEVATION B



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



I.S. THOMPSON ENGINEERING, INC

PRELUDE H & H HOMES



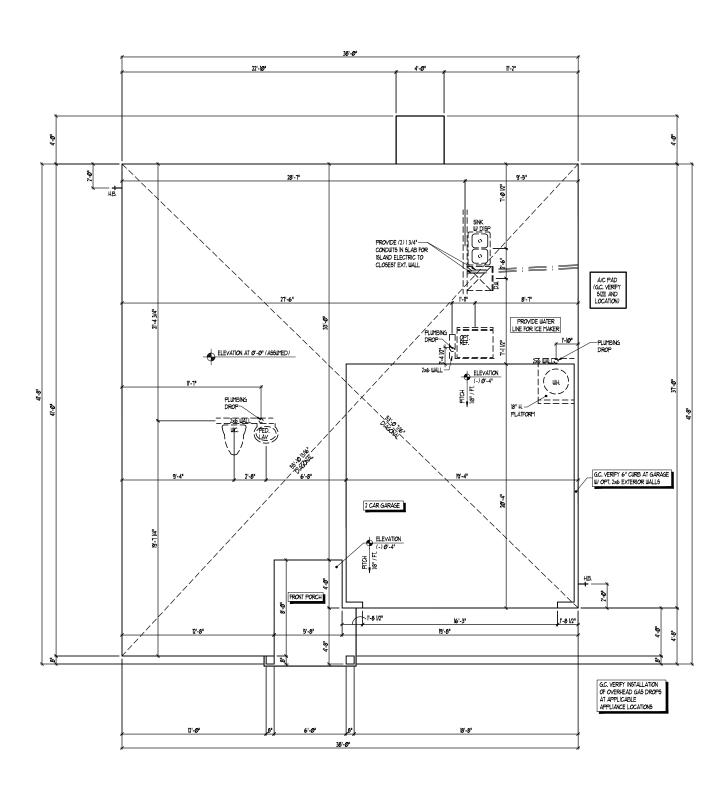
7/15/2022

DRAWN BY: PURL HOMES

GINEERED BY: JAG

SHEET: 4 OF: 13 S-1.2b

MONO SLAB FOUNDATION PLAN





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

Right Garage H&H HOMES PRELUDE

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• TITLE SLAB INTERFACE PLAN

SLAB INTERFACE PLAN
ELEVATION A SHOWN
SMILAR AT ALL ELEVATIONS (NO PLUMBING CHANGES)

SCALE: 1/4" = 1'-0"

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERRY ALL NOTES, DIPENSIONS, AND ADJETENCE TO APPLICABLE BUILDING CODES PRIOR TO COMPENCE THE OFFICE AND CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN NOTES, DIPENSIONS, OR ADJETENCE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE COMPENCEDTO OF ANY TO ANY CONSTRUCTION.

ANY REVISIONS OR CHANCES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COPYLETED SHALL BY BUILDED TO JOINTONIAL TESS.

IF ANY TOOLOGICATIONS ARE THADE TO THEE PLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.

2'-11/2" 2'-8" PLUMBING DROP OPT. FULL BATH 3 ILO PDR. G.C. VERIFY 6" CURB AT GARAGE W/ OPT. 2x6 EXTERIOR WALLS ELEVATION (-) Ø'-4" — 18" H. PLATFORM FLUMBING DROP RELOCATED W/ THIS OPT. ØPT. 1 CAR GARAGE SLAB INTERFACE PLAN OPTIONS

Built by H&H Homes PURI

 VOB NUMBER
 B-1815932\*

 CAD FILE NAME
 PRELUDE-R

 ISSUED
 11-08-17

 REVISED
 11-16-17

 09-21-18

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

Garage Right H&H HOMES **PRELUDE** 

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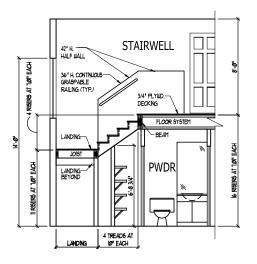
TITLE SLAB INTERFACE PLAN OPTIONS

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERRY ALL NOTES, DIPENSIONS, AND ADJETENCE TO APPLICABLE BUILDING CODES PRIOR TO COMPENCE THAT OF ANY CONSTRUCTION.

ANY DISCORPANCY OF ERROR IN NOTES, DIPENSIONS, OR ADJETENCE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE COTPENSION OF ANY DEVIANGEMENT OF ANY CONSTRUCTION.

ANY REVISIONS OR CHANCES NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COTPLETED SHALL BE SUBJECT TO ADDITIONAL FEES.

IF ANY THOOFICIATIONS ARE MADE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.



LOFT

3/4" PLYWD.-DECKING

FLOOR SYSTEM

BEAM-

STAIR NOTES:

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

OF A GUARD AT THE OPEN SIDE OF A STAIRWAY ARE PERMITTED TO BE A SUCH A SIZE THAT A SPHERE OF 6 INCHES CANNOT PASS THROUGH

OPENINGS FOR REQUIRED GUARDS ON THE SIDES OF STAIR TREADS SHALL NOT

HANDRALE, HANDRALES FOR STAIRILAYS SHALL BE CONTINUOUS FOR THE FULL LENGTHOF THE FLUSH IF, ROYM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLUSH IF A POINT DIRECTLY ABOVE THE LOUEST RISER. WHADRALL HOS SHALL BE RETURNED OR SHALL TERMINATE IN NEUEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN I-I/2 INCH BETWEEN THE WALL AND HANDRAILS.

CONTINUOUS GRASPABLE HANDRAIL MUST MEET TYPE ONE OR TYPE TUO CRITERIA \* \* \* \* \* \* \*

		WINDOW SCHEDULE				
	7	MARK	8	S <b>I</b> ZE	TYPE	HEA
		WARK	WIDTH	HEIGHT	TIPE	HEIG
		1	3'0"	5'0''	SINGLE HUNG	7'0'
42" H.		2	2'0"	4'0"	SINGLE HUNG	7'0'
HALF WALL		(3)	3'0"	4'0"	SINGLE HUNG	7'0'
		SEE F	LAN FOR	NOTES ON	EGRESS, TEMP., &	ETC.
36" H. CONTINUOUS GRASPABLE						

# HEAD HEIGHT 7'0" 7'0" 7'0" ETC.

Bath 3

9 TREADS AT 10" EACH STAIR SECTION

- Ix TREADS AND

COMPOSITE SHINGLES OVER 15 # FELT PAPER -7/16" EXTERIOR SHEATHING W/ "H' CLIPS PRE MANUFACTURED ROOF TRUSSES @ 24' O.C. Zone 3: R-30 INSULATION (MEET THE CI REQUIREMENT OF INSULATION EXTENDING ACROSS THE TOP PLATE R-38 INSULATION W/ HEEL LESS THAN 9" 70NF 4: R-38 INSULATION W/ HEEL GREATER THAN 9" INSULATION BAFFLES -2X6 SUBFASCIA NIIO2.I OF PROVIDE THE INSULATION FOR VENTED SOFFITS ALL HEATED AREAS R38 OR R30CI FOR CEILING, R-19 FLOORS, RI5 OR RI3 CAVITY PLUS R2.5 CONTINUOUS FOR WALLS A WATER RESISTIVE BARRIER MEETING THE REQUIREMENTS OF THE LATEST NORTH CAROLINA RESIDENTIAL BUILDING CODE MUST BE INSTALLED

OVER ANY EXTERIOR SHEATHING THAT DOES NOT

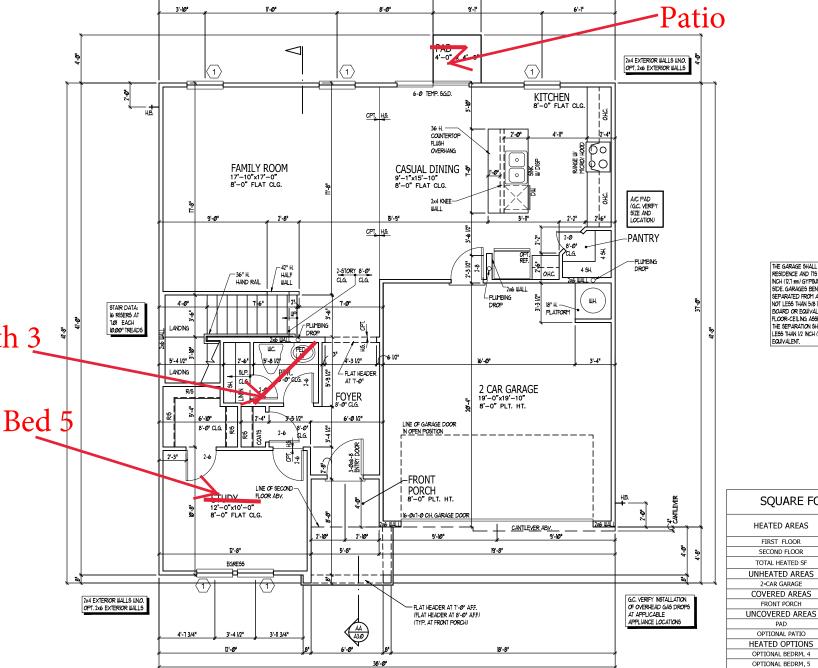
Zone 3 or Zone 4:

R-15 INSULATION OR

R-13 CAVITY INSULATION + R-2.5 CI

ALREADY MEET WATER RESISTIVE REQUIREMENTS.

INSULATION DETAIL



ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF

ESJANCE OF PLANS FROM THIS DRAFFERS OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERTY! ALL NOTES, DIPUSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES FRAID TO CONTENCION IN MOTES, DIPUSIONS, OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE REQUISH TO THE ATTENTION OF THE DRAFFERS OFFICE FOR CORRECTION BEFORE COMPENCIONEN OF ANY CONSTRUCTION.

ANY REVISIONS OR CHANGES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COMPLETED SHALL BE SUBJECT TO ADDITIONAL TEES.

FIAM MODIFICATIONS ARE MADE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE DRAFFTERS OFFICE. THE DRAFFER SHALL NOT SELEND RESPONSIBLE.

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

HATCHING —INDICATES 2x Framing at CMU CONDITION NOTE: MULLED J4 1/2"]

TYP. MULL DETAIL

REVISED

ð

Built

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

THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND TIS ATTIC AREA BY NOT LESS THAN 1/2 NCH (12.7 mm) GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/8 INCH (IS 9 mm) TYPE "X" GYPSIM ROT LESS HAM SIGNINGH (B.3 mm) THE "X" GH POUT BOARD OR EQUIVALENT, WHERE THE SEPARATION IS A FLOOR-CEILING ASSEMBLY, THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2 INCH (1/2.1 mm) GYPSM BOARD OR

SQUARE FOOTAGE

FIRST FLOOR

SECOND FLOOR

TOTAL HEATED SF

2-CAR GARAGE

OPTIONAL PATIO

OPTIONAL BEDRM. 6 UNHEATED OPTIONS

OPTIONAL 1-CAR GARAGE

ELEV 'A'

1039 SQ. FT.

1394 SQ. FT.

2433 SQ. FT.

394 SQ. FT.

56 SQ. FT.

16 SQ. FT.

80 SQ. FT.

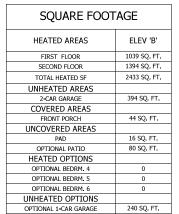
240 SQ. FT.

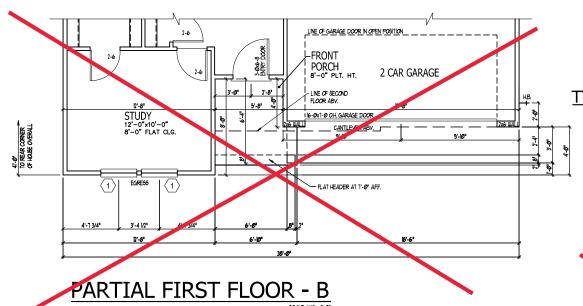
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2435

MAIN FLOOR PLAN STAIR SECTION DETAILS

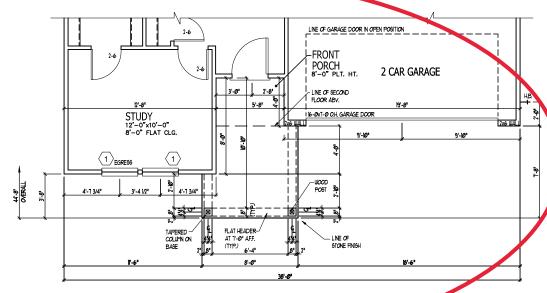
FIRST FLOOR PLAN - A





WINDOW SCHEDULE					
MARK	SIZE		TYPE	HEAD	
WARK	WIDTH	HEIGHT	11172	HEIGHT	
1	3'0"	5'0"	SINGLE HUNG	7'0"	
2	2'0"	4'0"	SINGLE HUNG	7'0"	
(3)	3'0"	4'0"	SINGLE HUNG	7'0"	
SEE PLAN FOR NOTES ON EGRESS, TEMP., & ETC.					

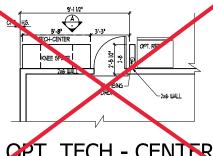
SOLARE FOOTAGE				
HEATED AREAS	ELEV 'D'			
FIRST FLOOR	1039 SQ. FT.			
SECOND FLOOR	1394 SQ. FT.			
TOTAL HEATED SF	2433 SQ. FT.			
UNHEATED AREAS				
2-CAR GARAGE	394 SQ. FT.			
COVERED AREAS				
FRONT PORCH	79 SQ. FT.			
UNCOVERED AREAS				
PAD	16 SQ. FT.			
OPTIONAL PATIO	80 SQ. FT.			
HEATED OPTIONS				
OPTIONAL BEDRM, 4	0			
OPTIONAL BEDRM. 5	0			
OPTIONAL BEDRM. 6	0			
UNHEATED OPTIONS				
OPTIONAL 1-CAR GARAGE	240 SQ. FT.			



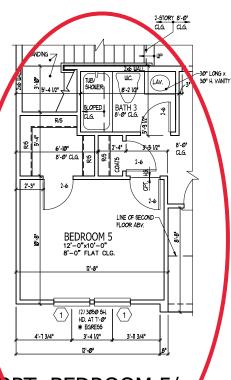
PARTIAL FIRST FLOOR - D

HATCHING -- INDICATES 2x FRAMING AT CMU CONDITION NOTE: MULLED WINDOWS TO BE SPACED 4 1/2" UNO.

TYP. MULL DETAIL







QPT. BEDROOM 5/ BATH 3 ILO STUDY ISSUANCE OF PLANS FROM THIS DRAFTERS OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERRY ALL NOTES, DIVENSIONS, AND ADVERBNCE TO APPLICABLE BUILDING CODES FROOR TO CONTRECEPION OF ANY CONSTRUCTION, ANY DISCREPANCY OF ERROR IN NOTES, DIVENSIONS, OR ADVERSIONE OF APPLICABLE BUILDING CODES SHALL BE DROUGHT TO THE ATTENTION OF THE DRAFTERS OFFICE FOR CORRECTION BEFORE

COMMENCEMENT OF ANY CONSTRUCTION.

COMPINICEPANT OF ANY CONSTRUCTION.

ANY REVISIONS OR CHAVES FON TELLATED TO THE CORRECTION OF ERRORS THAT ARE MADE.

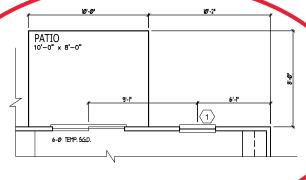
AFTER THE FINAL, PLANS HAVE EEDS COMPILETED SHALL, BE SUBJECT TO ADDITIONAL FEES.

IF ANY MODIFICATIONS ARE MADE TO THESE FLANS BY ANY OTHER PARTY OTHER THAN THE

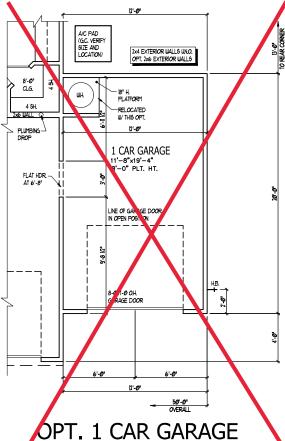
DRAFTER'S OFFICE, THE DRAFTER SHALL MOT BE HELD RESPONSIBLE.







OPT. PATIO



REFER TO STANDARD PLAN FOR INFORMATION NOT YOUN

FIRST FLOOR PLAN OPTIONS

2435 • TITLE PLAN OPTIONS

Built by H&H Homes

Illd

 JOB NUMBER
 B-1815932

 CAD FILE NAME
 PRELUDE-I

 ISSUED
 11-08-17

 REVISED
 11-16-17

DR. WINGS ON 11"XIT" SHELLT ARE ONE HALF THE CALE NOTED

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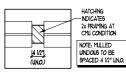
Garage

PRELUDE

HOME

H&H

02-11-20 04-01-20 04-08-20



TYP. MULL DETAIL

 JOB NUMBER
 B-1815932

 CAD FILE NAME
 PRELUDE-1

 ISSUED
 11-08-17

 REVISED
 11-16-17

PURE

Built by H&H Homes

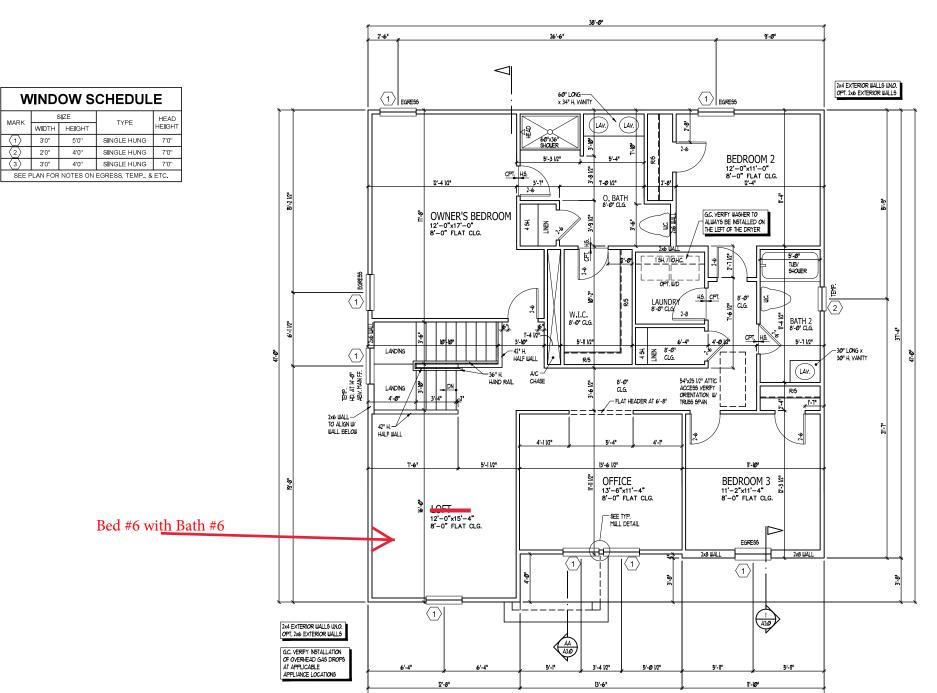
DRAWINGS ON 11"x17" SHEET ARE ONE HALF THE SCALE NOTED

Right Garage HOME PRELUDE H&H

2435

TITLE UPPER FLOOR PLAN

SECOND FLOOR PLAN - A

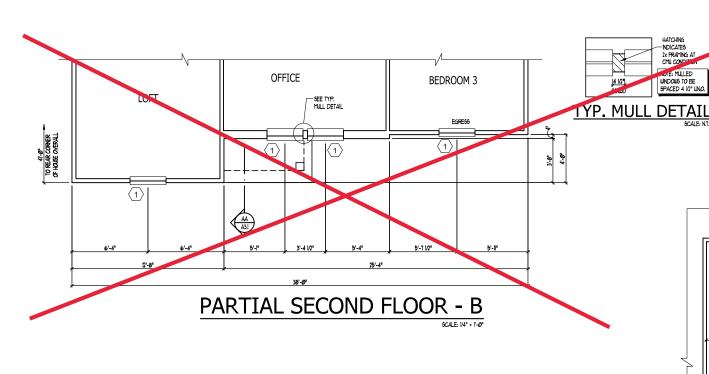


ISSUANCE OF PLANS FROM THIS DRAFTERS OFFICE SHALL NOT RELIEVE THE BUILDER OF REPRONBILITY TO REVIEW AND VERRY ALL NOTES, DIPENSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES PRIOR TO COMPENCE PRIOR OF ANY CONSTRUCTION.

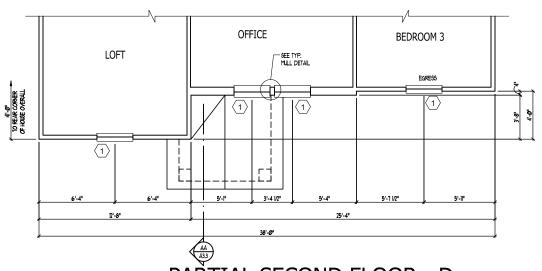
ANY DISCREPANCY OF ERROR NOTES, DIPENSIONS, OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE ERROLIGHT TO THE ATTENTION OF THE DRAFTERS OFFICE FOR CORRECTION BEFORE COMPENCEPORT OF ANY CONSTRUCTION.

ANY REVISIONS OR CHANCES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COMPLETED SHALL SO SUBJECT OF ADDITIONAL FEES.

IF ANY MODIFICATIONS ARE TABLE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTERS OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.



WINDOW SCHEDULE					
MARK		IZE	TYPE	HEAD	
	WIDTH	HEIGHT		HEIGHT	
1	3'0"	5'0"	SINGLE HUNG	7'0"	
2	2'0"	4'0"	SINGLE HUNG	7'0"	
(3)	3'0"	4'0"	SINGLE HUNG	7'0"	
SEE PLAN FOR NOTES ON EGRESS, TEMP., & ETC.					

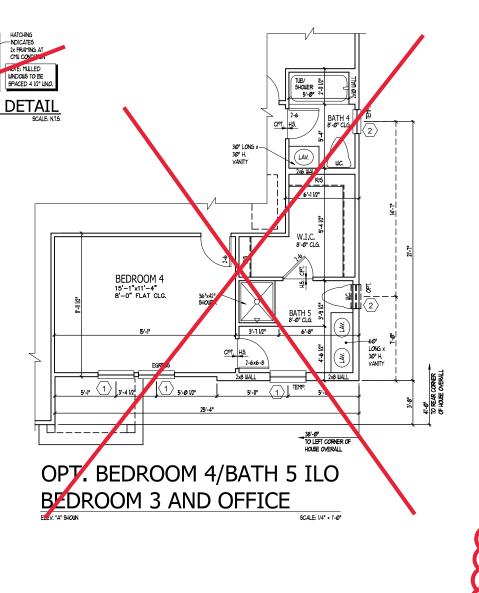


PARTIAL SECOND FLOOR - D

1961/JACE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERRY! ALL NOTES, DYENSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES PRIOR TO CONTRECEDED TO ANY DISCREPANCY OF ERROR IN NOTES, DIPENSIONS, OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE COMPINIONED OR ANY CONSTRUCTION.

ANY REVISIONS OR CHAVES, NOT RELIAND TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COMPLIED SHALL BE SUBJECT TO ADDITIONAL FEES.

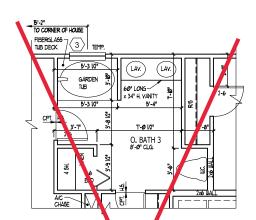
IF ANY MODIFICATIONS ARE MADE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.



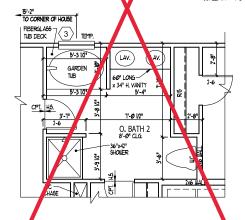
OPT. BI-SWING

DOORS AT OFFICE

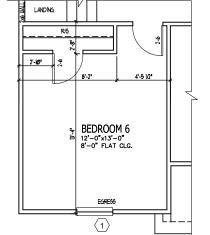




## OPT. OWNER'S BATH 3



## OPT. OWNER'S BATH



OPT. BEDROOM 6 ILO LOFT

2435

H&H



SECOND FLOOR PLAN OPTIONS

Built by PUPL

 JOB NUMBER
 B-18159

 CAD FILE NAME
 PRELUDE

 ISSUED
 11-08-1

 REVISED
 11-16-1

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

Right Garage HOME PRELUDE

#### ELECTRICAL KEY

DUPLEX CONVENIENCE OUTLET

DUPLEX OUTLET ABOVE COUNTER

₩, WEATHERPROOF DUPLEX OUTLET

Hara Ground Fault interrupter duplex outlet

HALF-SWITCHED DUPLEX OUTLET

HO SPECIAL PURPOSE OUTLET DUPLEX OUTLET IN FLOOR

220 VOLT OUTLET

WALL SWITCH

THREE-WAY SWITCH FOUR-WAY SWITCH

\$D DIMMER SWITCH

CEILING MOUNTED INCANDESCENT LIGHT FIXTURE

WALL MOUNTED INCANDESCENT LIGHT FIXTURE

RECESSED INCANDESCENT LIGHT FIXTURE

FIG. LIGHT FIXTURE WITH PULL CHAIN TRACK LIGHT

FLUORESCENT LIGHT FIXTURE

EXHAUST FAN

EXHAUST FAN/LIGHT COMBINATION ELECTRIC DOOR OPERATOR (OPTIONAL)

CH CHIMES (OPTIONAL)

PUSHBUTTON SWITCH (OPTIONAL) (SA) CARBON MONOXIDE DETECTOR

® SMOKE DETECTOR

(SDON) SMOKE / CARBON MONO. COMBO DETECTOR

TELEPHONE (OPTIONAL)

TELEVISION (OPTIONAL.

THERMOSTAT ELECTRIC METER

ELECTRIC PANEL

\_ DISCONNECT SWITCH ⊗ SPEAKER (OPTIONAL)

ROUGH-IN FOR OPT, CEILING FAN

CEILING MOUNTED INCANDESCENT LIGHT FIXTURE W
ROUGH-IN FOR OPT. CEILING FAN

#### NOTES:

PROVIDE AND INSTALL <u>GROUND FAULT CIRCUIT-INTERRUPTERS</u> (G.F.I.) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.

2. UNLESS OTHERWISE INDICATED, INSTALL SWITCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR SWITCHES.... 42\*
OUILETS.... 14\*

TELEPHONE...14" (UNLESS ABY COUNTERTOP)
TELEVISION...14"

3. ALL SMOKE DETECTORS SHALL BE HARDWRED INTO AN ELECTRICAL POWER SOURCE AND SHALL BE EQWIPPED WITH A MONITORED BATTERY BACKUP. PROVIDE AND INSTALL LOCALLY CERTIFIED <u>SMOKE DETECTORS</u>.

4. ALL BA AND 20A RECEPTACLES IN SLEEPING ROOMS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARES, DENS, SURROOMS, RECREATION ROOMS, CLOSETS, HALLIMYS, AND SMILAY RAESA UILL REQUIRE A COMBINION TYPE AFCI. DEVICE AND TAMPER-PROOF RECEPTACLES PER NEC. 2011 406-11 AND 406-15

5. ALL 15A AND 20A 120Y RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GFC.I. PROTECTED (GF1).

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN FULL COMPLIANCE WITH NEPA. TO, NEC. 2011, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

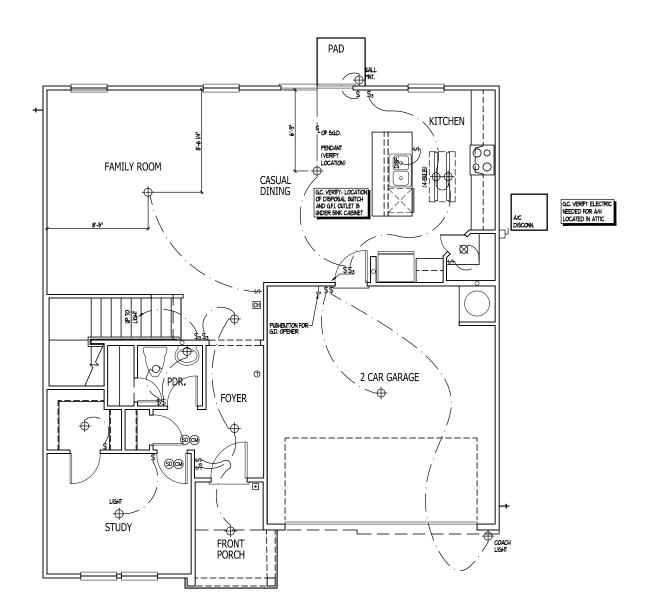
1. EVERY BUILDING HAVING A FOSGIL-RIEL-BURNING HEATER OR APPLIANCE, FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OFFERATIONAL CARECH MONOXIDE DETECTOR INSTALLED WITHIN 10 FIET OF EACH ROOM USED FOR SLEEPING PURPOCES.

8. ALARYS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WRING WHEN SUCH WIRING IS SERVED FROM THE LOCAL POWER UTILITY. SUCH ALARYS SHALL HAVE BATTERY BACKUP. COMBINATION SYNCKE/CARBON MONOXIDE ALARYS SHALL BE

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERRY ALL NOTES, DINENSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES PRIOR TO CONTENCEDENT OF ANY CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN NOTES, DIPENSIONS, OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE CONTENCED OF ANY DISCREPANCY OF ENGINEERING ANY REVISIONS OR CHARGES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COTHELETED SHALL BE SUBJECT TO ADDITIONAL FEES.

IF ANY MODIFICATIONS ARE THOSE TO THESE THANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.





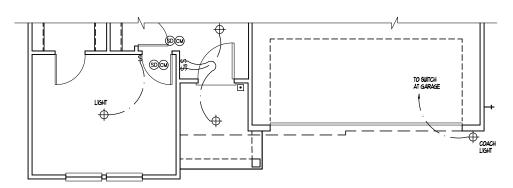


DRAWINGS ON 11"x17" SHEET ARE ONE HALF THE SCALE NOTED

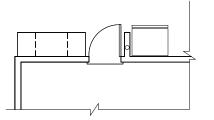
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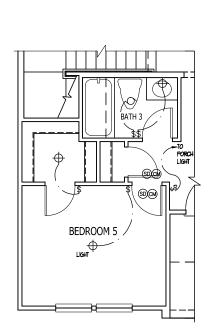
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MAIN FLOOR ELEC. PLAN

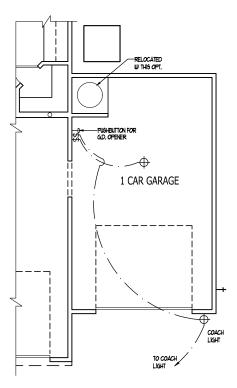


PARTIAL FIRST FLOOR - B





OPT. BEDROOM 5 / **BATH 3 ILO STUDY** ELEV, "A" SHOWN



OPT. 1 CAR GARAGE

FIRST FLOOR ELECTRICAL PLAN OPTIONS

**110**d Built REVISED

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

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Garage OME Ī H&H Ш PR

2435

TITLE ELECTRIC AT PLAN OPTIONS

ELECTRICAL KEY

DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET ABOVE COUNTER

HEATHERPROOF DUPLEX OUTLET

 $\biguplus_{\overline{a}_{F,L}}$  ground fault interrupter duplex outlet HALF-SWITCHED DUPLEX OUTLET

SPECIAL PURPOSE OUTLET

DUPLEX OUTLET IN FLOOR

₩ 220 YOLT OUTLET

WALL SWITCH THREE-WAY SWITCH

FOUR-WAY SWITCH

\$D DIMMER SWITCH CEILING MOUNTED INCANDESCENT LIGHT FIXTURE

WALL MOUNTED INCANDESCENT LIGHT FIXTURE RECESSED INCANDESCENT LIGHT FIXTURE

P.C. LIGHT FIXTURE WITH PULL CHAIN

TRACK LIGHT

FLUORESCENT LIGHT FIXTURE EXHAUST FAN

EXHAUST FAN/LIGHT COMBINATION

(OPTIONAL) CHIMES (OPTIONAL)

PUSHBUTTON SWITCH (OPTIONAL) CARBON MONOXIDE DETECTOR

9MOKE DETECTOR SDO SMOKE / CARBON MONO. COMBO DETECTOR

TELEPHONE (OPTIONAL)

TELEVISION (OPTIONAL) THERMOSTAT

ELECTRIC METER

ELECTRIC PANEL \_\_\_ DISCONNECT SWITCH

⊗ SPEAKER (OPTIONAL)

`\\*\^ ROUGH-IN FOR OPT, CEILING FAN

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

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

2. UNLESS OTHERWISE INDICATED, INSTALL SWITCHES AND RECEPTACLES AT THE

CUIT.LES.... 42"
CUIT.LES.... 14"
TELEPHONE... 14" (INLESS ABY COUNTERTOP)
TELEVISION... 14"

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

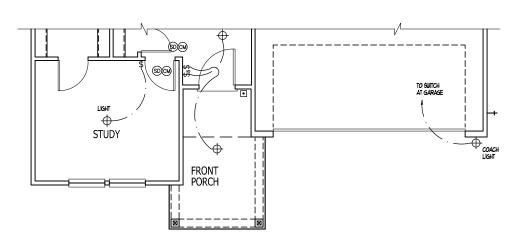
4. ALL BA AND 20A RECEPTACLES IN SLEEPING ROOMS, FAHILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LERRANES, DENS, SURROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, AND SIMIL AR AREAS WILL REQUIRE A COMBINATION TYPE AFCJ. DEVICE AND TAMPER-PROOF RECEPTACLES PER NEC. 201 406/12 AND 406/13

5, ALL ISA AND 2014 120V RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GF.C.I. PROTECTED (G.F.I).

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN TALL CONFILIANCE WITH NEPA. 10, NEC. 2011, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

T EVERY PULL DING HAVING A FOSSIL-RUEL-BURNING HEATER OR APPLIANCE FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE DETECTOR NSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING SUPPOSES.

8. ALARYS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHEN BUCH WIRING IS SERVED FROM THE LOCAL POWER UTILITY. BUCH ALARYS SHALL HAVE BATTERY BACKUP. COMBINATION SYOKE/CARBON MONOXIDE ALARYS SHALL BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.



PARTIAL FIRST FLOOR - D

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERITY ALL NOTES, DIPENSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES PRIOR TO CONTENCEMENT OF ANY CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN OFFICE, DITENSIONS, OR ADJECTION TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE

CODES SHALL BE ENDOMENT TO THE ATTENTION OF THE DRAFFLESS OFFICE FOR CORRECTION BEFORE CONTRIBUTION OF ANY COMMISSION OF ANY COMMISSION OF THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COMPLIED SHALL BE SUBJECT TO ADDITIONAL FIELS. IF ANY MODERCATIONS ARE MADE TO THESSE PLANS BY ANY OTHER PARTY OTHER THAN THE DRAFFLER'S OFFICE, THE DRAFFLER SHALL NOT BE HELD RESPONSIBLE.

## ELECTRICAL KEY

DUPLEX CONVENIENCE OUTLET

DUPLEX OUTLET ABOVE COUNTER

HEATHERPROOF DUPLEX OUTLET

GROUND FAULT INTERRUPTER DUPLEX OUTLET

HALF-SWITCHED DUPLEX OUTLET

HO SPECIAL PURPOSE OUTLET

DUPLEX OUTLET IN FLOOR

220 VOLT OUTLET

WALL SWITCH THREE-WAY SWITCH

\$4 FOUR-WAY SWITCH

\$D DIMMER SWITCH

CEILING MOUNTED INCANDESCENT LIGHT FIXTURE

WALL MOUNTED INCANDESCENT LIGHT FIXTURE RECESSED INCANDESCENT LIGHT FIXTURE

P.C. LIGHT FIXTURE WITH PULL CHAIN

TRACK LIGHT

FLUORESCENT LIGHT FIXTURE

Ó EXHAUST FAN

EXHAUST FAVLIGHT COMBINATION ELECTRIC DOOR OPERATOR (OPTIONAL)

CHIMES (OPTIONAL)

PUSHBUTTON SWITCH (OPTIONAL) CARBON MONOXIDE DETECTOR

SMOKE DETECTOR

(50)(0A) SMOKE / CARBON MONO. COMBO DETECTOR

TELEPHONE (OPTIONAL) TELEVISION (OPTIONAL)

THERMOSTAT

ELECTRIC METER

ELECTRIC PANEL DISCONNECT SWITCH

SPEAKER (OPTIONAL)

`\\*\^ ROUGH-IN FOR OPT, CEILING FAN

CEILING MOUNTED INCANDESCENT LIGHT FIXTURE W
ROUGH-IN FOR OPT. CEILING FAN

#### NOTES:

1. PROVIDE AND INSTALL <u>GROUND FAULT CIRCUIT-INTERRUPTERS</u> (G.F.I.) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.

2. UNLESS OTHERWISE INDICATED, INSTALL SWITCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR:

SWITCHES....42\* OUTLETS.....14\*

TELEPHONE . . 14" (UNLESS ABY COUNTERTOP)
TELEVISION . . 14"

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

4. ALL BA AND 20A RECEPTACLES IN SLEEPING ROOMS, FAMILY ROOMS, DNING ROOMS, LIMMG ROOMS, PARLORS, LIBRARIES, DENS, SURROOMS, RECREATION ROOMS, CLOSETS, HALLMYS, AND SMILAR AREAS MILL REQUIRE A COMBINATION TYPE AFFAL DEVICE AND TAMPER-PROOF RECEPTACLES PER NEC. 2011 406.12 AND 406.13

5, ALL IBA AND 20A 120V RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GF.C.I. PROTECTED (GF.I).

6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN FILL COMPLIANCE WITH NEPA. 10, NEC. 2011, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

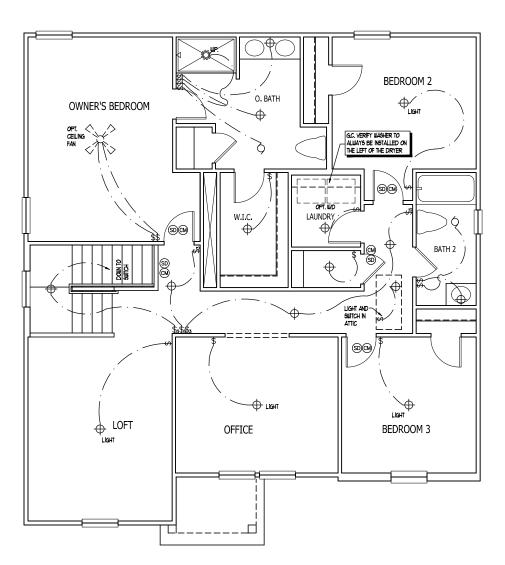
1. EVERY BUILDING HAVING A POSGL-RIEL-BURNING HEATER OR APPLIANCE, FIREFLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOVIDE DETECTOR INSTALLED WITHIN 10 PEET OF EACH ROOM USED FOR SLEEPING PURPOSES.

8. ALAPHS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHEN SUCH WIRING IS SERRED FROM THE LOCAL POWER WITHTY, SUCH ALAPHS SHALL HAVE BACKIET, COMBINATION SYCKEFCARBON PROVIDED ALAPHS SHALL BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATIONY.

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERRY ALL NOTES, DINENSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES PRIOR TO CONTENCEDENT OF ANY CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN NOTES, DIPENSIONS, OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE CONTENCED OF ANY DISCREPANCY OF ENGINEERING ANY REVISIONS OR CHARGES, NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COTHELETED SHALL BE SUBJECT TO ADDITIONAL FEES.

IF ANY MODIFICATIONS ARE THOSE TO THESE THANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.





REVISED

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

Right Garage OME 工 H&H 山 PRI

2435

TITLE UPPER FLOOR ELEC. PLAN

SECOND FLOOR ELECTRICAL PLAN A

#### ELECTRICAL KEY

DUPLEX CONVENIENCE OUTLET

DUPLEX OUTLET ABOVE COUNTER

HE WEATHERPROOF DUPLEX OUTLET

GROUND FAULT INTERRUPTER DUPLEX OUTLET

HALF-SWITCHED DUPLEX OUTLET

SPECIAL PURPOSE OUTLET DUPLEX OUTLET IN FLOOR

₽ 220 VOLT OUTLET

WALL SWITCH THREE-WAY SWITCH

FOUR-WAY SWITCH

DIMMER SWITCH

CEILING MOUNTED INCANDESCENT LIGHT FIXTURE WALL MOUNTED INCANDESCENT LIGHT FIXTURE

RECESSED INCANDESCENT LIGHT FIXTURE

LIGHT FIXTURE WITH PULL CHAIN TRACK LIGHT

FLUORESCENT LIGHT FIXTURE

EXHAUST FAN

EXHAUST FAN/LIGHT COMBINATION

ELECTRIC DOOR OPERATOR (OPTIONAL)

CHIMES (OPTIONAL)

PUSHBUTTON SWITCH (OPTIONAL. CARBON MONOXIDE DETECTOR

SMOKE DETECTOR (SD)(CA) SMOKE / CARBON MONO. COMBO DETECTOR

TELEPHONE (OPTIONAL)

TELEVISION (OPTIONAL)

ELECTRIC METER

ELECTRIC PANEL DISCONNECT SWITCH

SPEAKER (OPTIONAL)

ROUGH-IN FOR OPT, CEILING FAN

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

1. PROVIDE AND INSTALL <u>GROUND FAULT CIRCUIT-INTERRUPTERS</u> (GFJ.) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.

2. UNLESS OTHERWISE NOICATED, INSTALL SUTCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR SUTCHES. . . . 42" OUTLETS. . . . 14"

3. ALL SMOKE DETECTORS SHALL BE HARDWIRED INTO AN ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS. 4. ALL IBA AND 2014 RECEPTACLES IN SLEEPING ROOMS, FAMILY ROOMS, DINING

4. ALL DA AND JOA RECEPTIALES IN SLEEPING ROOTS, FATEL ROOTS, DING ROOTS, LIVING ROOTS, PAIR, DES, EIERARIES, DENS, SURROOTS, EECREATION ROOTS, CLOSETS, HALLIMAYS, AND SIMILAR AREAS WILL REQUIRE A COMBINATION TYPE AFC.I DEVICE AND TAMER-PROOF RECEPTIACLES PER NEC. 2011 406.12 AND 406.13

5. ALL 15A AND 20A 120V RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GFC.I. PROTECTED (GF1).

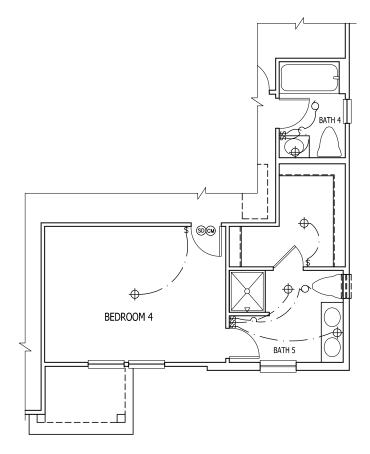
6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN FILL COMPLIANCE WITH NEP A '10, NEC. 2011, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.

1. EVERY BUILDING HAVING A FOSSIL-REL-BURNING HEATER OR APPLIANCE, FREFLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOVIDE DETECTOR INSTALLED WITHIN WE FEET OF EACH ROOM USED FOR SLEEPING BEDIEDLES

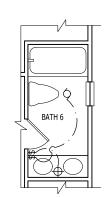
8. ALARYS SHALL RECEIVE THEIR PRIVARY POUER FROM THE BUILDING WIRNS WHEN SUCH WIRNS IS SERVED FROM THE LOCAL POWER WITHTH, SUCH ALARYS SHALL HAVE BATTERY BACKUP. COMBINATION SYCKE/CARBON MONOXIDE ALARYS SHALL BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATIONY.

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF SIGNANCE OF FLAS FROM THIS DRAFTERS OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERTY ALL MOTES, DYNENSON, AND DAVERENCE TO APPLICABLE BUILDING CODES FROM TO COMPRICE FROM OF ANY CONSTRUCTION. ANY DISCREPANCY OF ERROR IN NOTES, DIMENSIONS, OR ADARRENCE TO APPLICABLE BUILDING CODES SHALL BE BRAIGHT TO THE ATTENTION OF THE DRAFTERS OFFICE FOR CORRECTION BEFORE COMPRICE FROM OF CHAVES, ON TRELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLASS HAVE BEEN COMPLIETED SHALL BE SUBJECT TO ADDITIONAL FIELS.

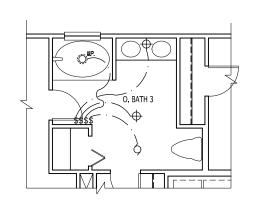
IF ANY MODIFICATIONS ARE MADE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE



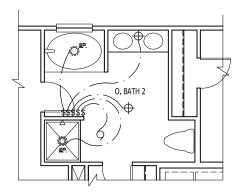
OPT. BEDROOM 4/BATH 5 ILO BEDROOM 3 AND OFFICE



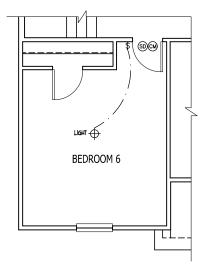
BATH 6 INCLUDED W/ OPT. BEDROOM 6 ONLY ILO BATH 2



OPT. OWNER'S BATH 3



OPT. OWNER'S BATH 2



OPT. BEDROOM 6 ILO LOFT

2435

H&H

PREL



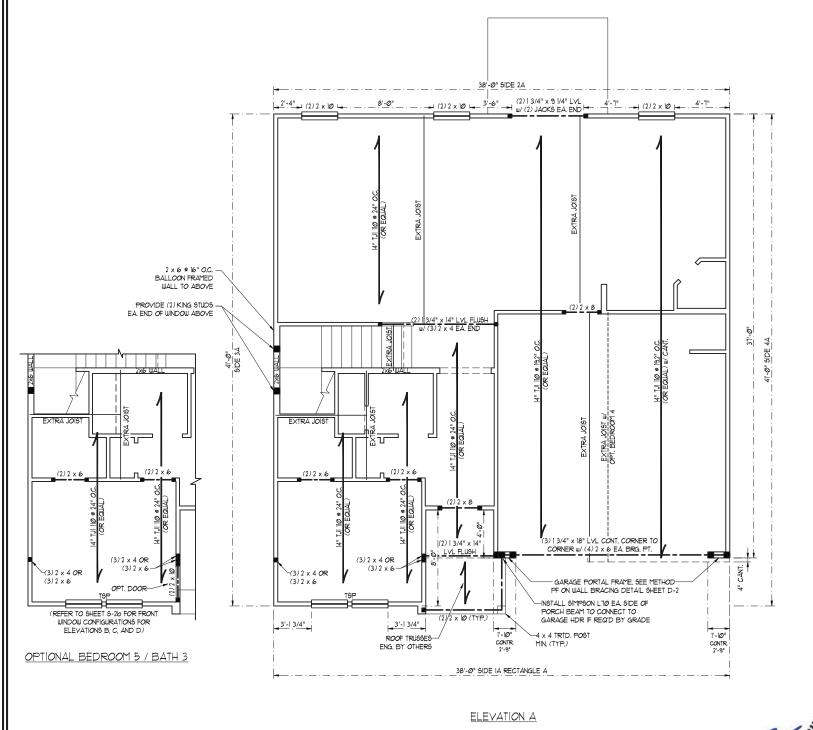
SECOND FLOOR ELECTRICAL PLAN OPTIONS



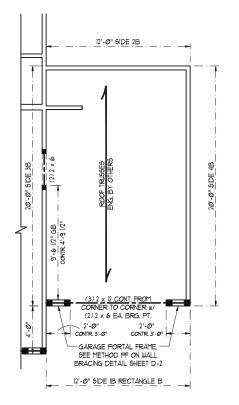


DRAWINGS ON 11"x17" SHEET ARE ONE HALF THE SCALE NOTED

Right Garage HOME UDE.



\*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 SPF #2 @ 24" O.C. (UNO).



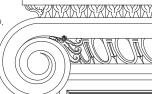
OPTIONAL I CAR GARAGE



7/15/2022

LEGEND CONT CONTINUOUS XJ EXTRA JOIST DJ DOUBLE JOIST TJ TRIPLE JOIST ( ) NUMBER OF STUDS DSP DOUBLE STUD POCKET TSP TRIPLE STUD POCKET OC ON CENTER SPF SPRUCE PINE FIR SYP SOUTHERN YELLOW PINE TRTD PRESSURE TREATED TYP TYPICAL UNO UNLESS NOTED OTHERWISE SCALE NOTE:

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



HOMPS

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STRUCTURAL NOTES:

WHERE NOTED ON THE PLANS.

ADDITIONAL KING STUD REQUIREMENTS.
SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO

GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.) FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH

T/I6" OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.

12" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FULL DEPTH

TO COLUMNS W/ 1/4" THROUGH BOLTS W/ NUTS AND WASHERS. LOCATE ANGLES ON OPPOSITE SIDES OF COLUMN. THROUGH BOLTS MUST BE INSTALLED PRIOR TO SETTING COLUMN

INFORMATION.

#### BRACED WALL DESIGN

RECTANGLE B RECTANGLE A

SIDE IA
METHOD: CS-WSP/PF/ENG DESIGN METHOD: PF/CS-WSP TOTAL REQUIRED LENGTH: 10/64" TOTAL REQUIRED LENGTH: 4.8" TOTAL PROVIDED LENGTH: 11/8" TOTAL PROVIDED LENGTH: 6" SIDE 2A METHOD: CS-WSP SIDE 2B METHOD: C6-W6P TOTAL REQUIRED LENGTH: 4.8'

TOTAL REQUIRED LENGTH: 10.64 TOTAL PROVIDED LENGTH: 23' SIDE 3A METHOD: CS-WSP TOTAL REQUIRED LENGTH: 9.881

TOTAL PROVIDED LENGTH: 53' SIDE 4A METHOD: CS-WSP

TOTAL REQUIRED LENGTH: 9.88'

BRACED WALL DESIGN NOTES:

STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/16" OSB

1/2" (MIN.) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED TO.C.

FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NCRC 2018 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED

TABLE R602.7.5
MINIMUM NUMBER OF FULL HEIGHT KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MINIMUM NUMBER OF FULL HEIGHT STUDS (KINGS)
UP TO 3'	1
> 3' TO 6'	2
> 6' TO 9'	3
> 9' TO 12'	4
> 12' TO 15'	5

ALL FRAMING LUMBER TO BE SPF  $^{\rm 12}$  (UNO). ALL TREATED LUMBER TO BE SYP  $^{\rm 12}$  (UNO.) DE 51 7 % (UNO). ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO). INSTALL AN EXTRA JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS

WINDOW AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KING STUD EA, END (UNO.), SEE TABLE R602.1.5 FOR

FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROWS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND

ALL 4 x 4 POSTS SHALL BE ANCHORED TO SLABS W/SIMPSON ABU44 POST BASES (OR EQUAL) AND 6 x 6 POSTS W/ABU66 POST BASES (OR EQUAL) (UNO). ALL 4  $\times$  4 AND 6  $\times$  6 PO515 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

Ø. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL

TOTAL PROVIDED LENGTH: 12" SIDE 3B 4 4A COMBINED METHOD: CS-WSP/GB TOTAL REQUIRED LENGTH: 13.24' TOTAL PROVIDED LENGTH: 21.871

SIDE 4B METHOD: C5-W5P TOTAL REQUIRED LENGTH: 3.36' TOTAL PROVIDED LENGTH: 33.33' TOTAL PROVIDED LENGTH: 16.33'

BRACED WALL DESIGN PER SECTION R602.10 OF THE NCRC 2018 EDITION.
CS-USP REFERS TO "CONTINUOUS SHEATHING - WOOD

ON ALL EXTERIOR WALLS ATTACHED W/8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD. \*GB REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL

ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM PLATES. BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH.

SHEET: 7 OF: 13

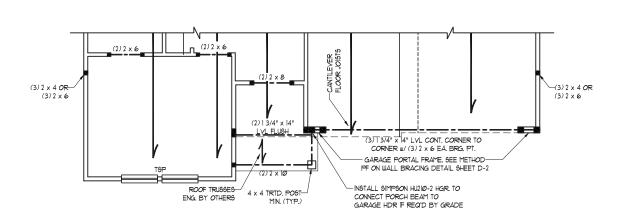
S-2a SECOND FLOOR FRAMING PLAN

PRELUDE & H HOMES

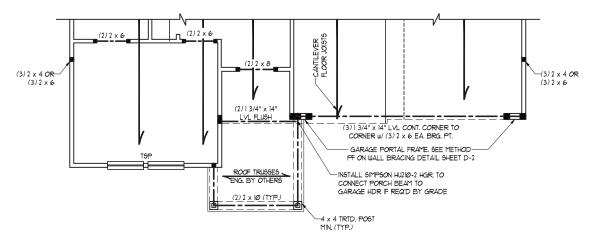
DATE: JULY 14, 2022

DRAWN BY: PURL HOMES

INEERED BY: JAG



ELEVATION B



ELEVATION D

SCALE NOTE: LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. 11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE



J.S. THOMPSON ENGINEERING, INC

PRELUDE H & H HOMES

DRAWN BY: PURL HOMES

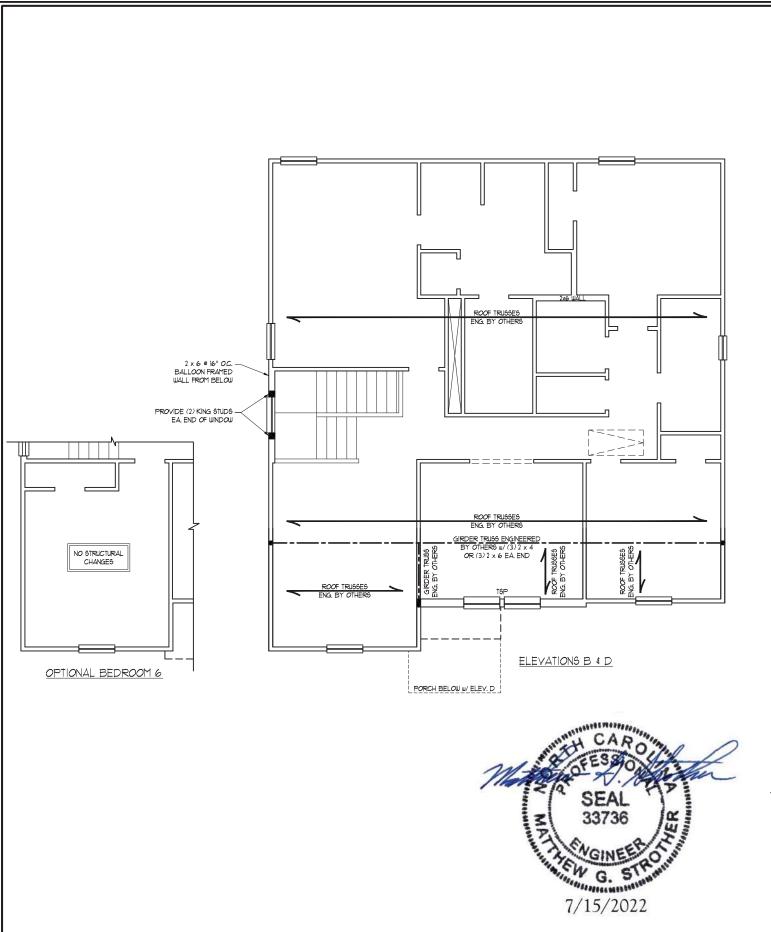
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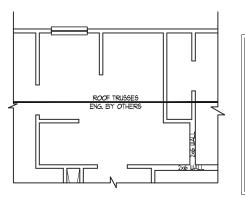
SHEET: 8 OF: 13

S-2b

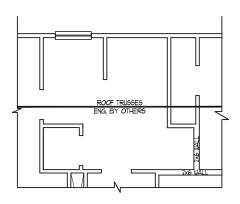
SECOND FLOOR FRAMING PLAN



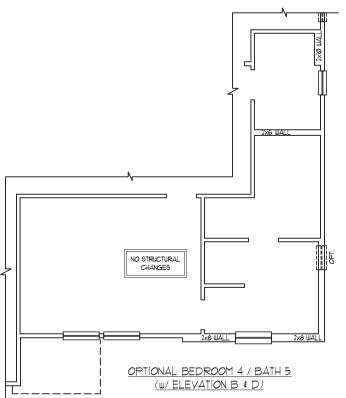




OPTIONAL OWNER'S BATH 2



OPTIONAL OWNER'S BATH 3



SCALE NOTE:

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



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

BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R602.10 OF THE NCRC 2018 EDITION.
- CS-USP REFERS TO "CONTINUOUS SHEATHING WOOD STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL T/16" OSB ON ALL EXTERIOR WALLS ATTACHED W 8d NAILS SPACED 6"
  O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

  "GB REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL
- 1/2" (MIN) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH I 1/4" SCREWS OR I 5/8" NAILS SPACED T" 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 NCRC 2018 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED
- WALL INFORMATION.

#### NOTE:

- PER SECTION R602.10.3.2 OF THE 2018 NCRC, THE AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.

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

#### STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE SPF 12 (UNO). ALL TREATED LUMBER TO BE SYP 12 (UNO.)
- ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO).
  WINDOW AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KING STUD EA, END (UNO.), SEE TABLE R602.1.5 FOR ADDITIONAL KING STUD REQUIREMENTS.
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.)
- FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 7/16" O'SB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
- FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATES BANDS JOISTS, AND GIRDERS WITH (2) ROWS 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.

TABLE R602.7.5 MINIMUM NUMBER OF FULL HEIGHT KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MINIMUM NUMBER OF FULL HEIGHT STUDS (KINGS)
UP TO 3'	1
> 3' TO 6'	2
> 6' TO 9'	3
> 9' TO 12'	4
> 12' TO 15'	5

HOMPSON EERING, INC 

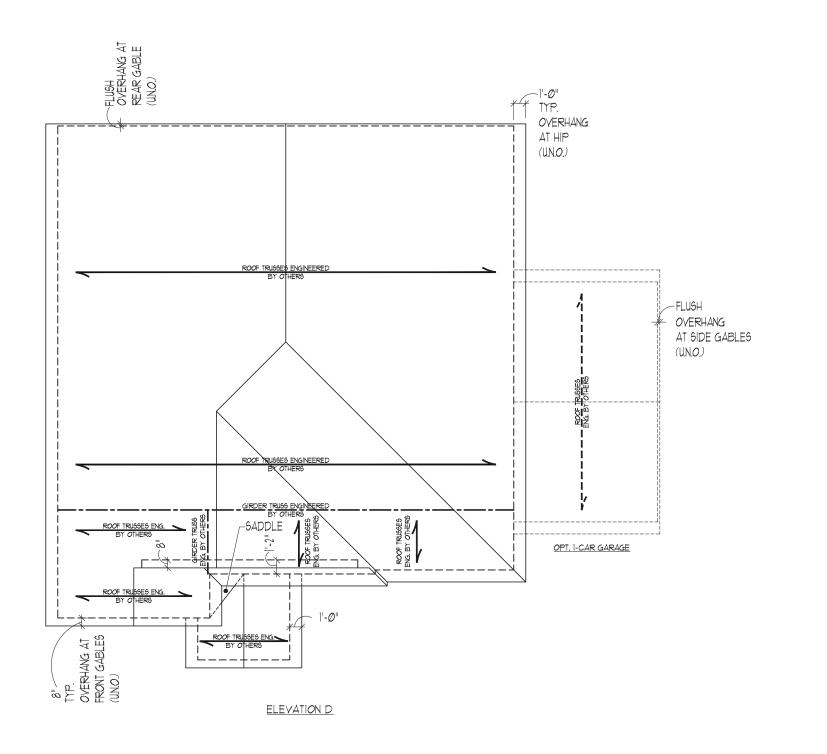
PRELUDE & H HOMES

DATE: JULY 14, 2022

RAWN BY: PURL HOMES

INEERED BY: JAG

SHEET: 10 OF: 13 S-3b CEILING FRAMING PLAN



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

#### STRUCTURAL NOTES:

STRUCTURAL NOTES:

ALL FRAMING LUMBER TO BE 12
9FF (UNO).

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

FRAME DOTHER WALLS ON TOP
OF DOUBLE OR TRIPLE RAFTERS.

HIP SPLICES ARE TO BE 5PACED
A MIN. OF 3-0°. FASTE
MEMBERS WITH THREE ROUS OF
12d NAILS 9 16" OZC. (TYP).

STICK FRAME OVER-RAMED
ROOF SECTIONS WI 2 x 8 RIDGES,
2 x 6 RAFTERS 9 (8" OZC. AND
FLAT 2 x 10' VALLEYS OR USE
VALLEY TRUSSES.

FASTEN FLAT VALLEYS TO
RAFTERS OR TRUSSES WITH
SIMPSON H25A HURRICANE TIES 9
32" OZC. MAX. PASS HURRICANE
TIES THROUGH NOTCH IN ROOF
SHEATHING, EACH RAFTER 16 TO
BE FASTENED TO THE FLAT SHEALHING, EACH RAFIER IS 10
BE FASTENED TO THE FLAT
VALLEY WITH A MIN, OF (6) 12d
TOE NAILS,
REFER TO SECTION REØ2.II OF THE
2018 NORC FOR REQUIRED UPLIFT
RESISTANCE AT RAFTERS AND
TRUBERS

TRUSSES.

REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

	LEGEND
XT	EXTRA TRUSS
TS	TRUSS SUPPORT
CONT	CONTINUOUS
EA	EACH
OC.	ON CENTER
SPF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR ROOF PITCHES, PLATE HEIGHTS, DIMENSIONS, OVERHANG WIDTHS, AND ATTIC VENT CALCS.



J.S. THOMPSON ENGINEERING, INC

PRELUDE H & H HOMES

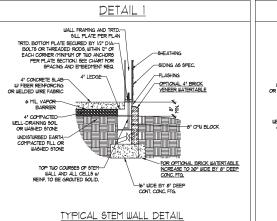
ALE: 1/4" = 1'-0"

DRAWN BY: PURL HOMES GINEERED BY: JAG

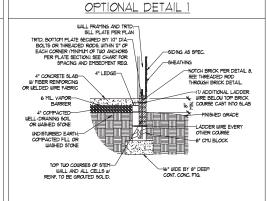
SHEET: 13 OF: 13

S-4c ROOF FRAMING PLAN

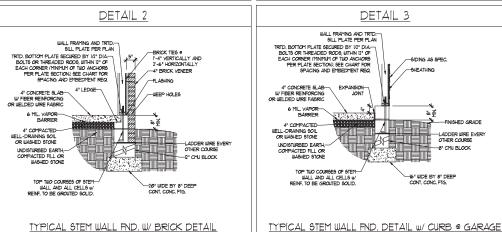
#### STEMWALL DETAILS

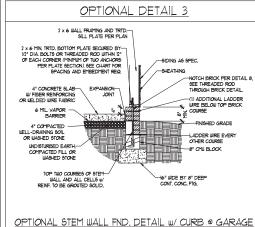


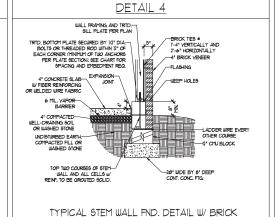
(w/ OPTIONAL WATERTABLE)

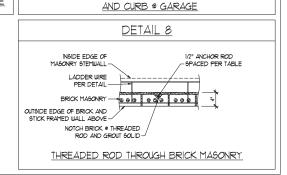


OPTIONAL STEM WALL DETAIL









MASONRY STEMWALL SPECIFICATIONS MASONRY WALL TYPE WALL HEIGHT (FEET) 4" BRICK AND 4" 4" BRICK AND 8" 12" CMU 8" CMU CMU CMU 2 AND BELOW UNGROUTED GROUT SOLID UNGROUTED UNGROUTED UNGROUTED UNGROUTED GROUT SOLID UNGROUTED 3 GROUT SOLID w/ \*4 REBAR # 64" O.C. SPOUT SOLID III/ #4 GROUT SOLID GROUT SOLID GROUT SOLID w/ \*4
REBAR \* 36" O.C. REBAR \* 64" O.C. GROUT SOLID w/ \*4 REBAR # 36 \* O.C. 5 NOT APPLICABLE GROUT SOLID W/ \*4 GROUT SOLID W/ \*4 REBAR @ 24" O.C. REBAR @ 64" O.C. GROUT SOLID w/ \*4 REBAR @ 24" O.C. NOT APPLICABLE AND GREATER ENGINEERED DESIGN BASED ON SITE CONDITIONS

#### STRUCTURAL NOTES:

- WALL HEIGHT MEASURED FROM TOP OF FOOTING TO TOP OF THE WALL.
- TIE MULTIPLE WYTHES TOGETHER WITH LADDER WIRE AT 16" O.C. VERTICALLY. CHART APPLICABLE FOR HOUSE FOUNDATION ONLY, CONSULT ENGINEER FOR DESIGN OF GARAGE
- 3. CHART APPLICABLE FOR HOUSE FOUNDATION ONLY, CONSULT ENGINEER FOR DESIGN OF GARAGE FOUNDATION NOT COTYCH OF HOUSE.

  4. BACKFILL OF ELLA WET, VET WASHED STONE IS ALLOWABLE.

  5. BACKFILL OF WELL DRAINED OR SAND GRAVEL MIXTURE SOILS (45 PSF.FT BELOW GRADE). CLASSIFIED AS GROUP! ACCORDING TO INMITED SOILS CLASSIFICATION SYSTEM IN ACCORDING. TO INMITED SOILS CLASSIFICATION SYSTEM IN ACCORDING. TO INMITED SOILS CLASSIFICATION SYSTEM IN ACCORDING. BY THE PLAST OF THE 2018 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.

  6. PREP SLAS PER SEOSE] AND TESSES ASSESS OF THE 2018 INTERNATIONAL RESIDENTIAL CODE. MINIMUM 74" LAP SPLICE LENGTH.

  1. LOCATE REBAR N CENTER OF FOUNDATION WALL.

  8. WHERE REQUIRED, FILL BLOCK SOLID WITH TYPE "S" MORTAR OR 30000 PSI GROUT, USE OF "LOW LIFT GROUTING" METHOD REQUIRED WHEN FILLING WALLS WITH GROUT AT HEIGHTS OF 5" AND GREATER.

ANCHOR SPACING AND EMBEDMENT				
WIND ZONE	12 <i>0</i> MPH	13Ø MPH		
6PACING	6'-0" O.C.	4'-Ø" O.C.		
EMBEDMENT 1"		15" INTO MASONRY 1" INTO CONCRETE		

48981 PROPERTOR CAR

EW G.

ACTIVITIES MESSES

7/15/2022

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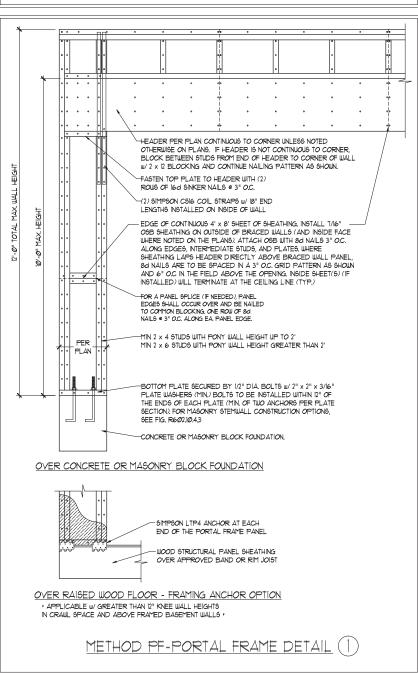
> SPEED WIND MPH ULTIMATE DESIGN FOUNDATION DETAILS 130 MPH

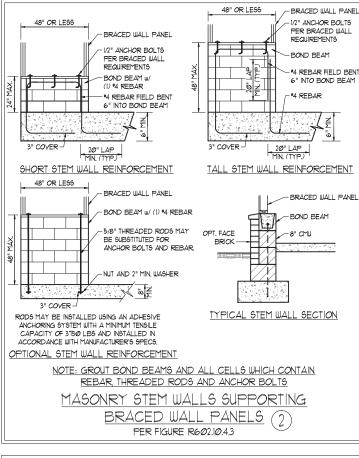
D-1 FOUNDATION DETAILS

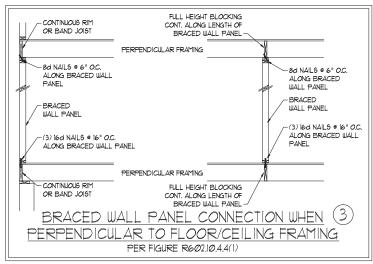
TE: NOVEMBER 14, 2018 RAWN BY: IST INEERED BY: JES

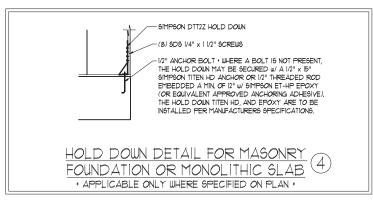
### GENERAL WALL BRACING NOTES:

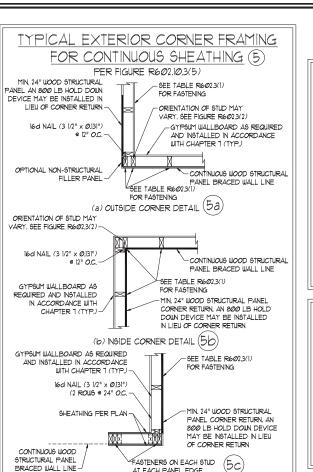
- WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NCRC.) TABLES AND FIGURES REFERENCED ARE FROM THE 2018 NCRC.
  SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2018 NCRC FOR ADDITIONAL INFORMATION AS NEEDED.
- BRACED EXTERIOR WALLS SUPPORTING ROOF TRUSSES AND RAFTERS, INCLUDING STORIES BELOW THE TOP FLOOR, HAVE
- BEEN DESIGNED PER R602.3.5 (3), WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLIFT AND SHEAR FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERED PRACTICE. 4. SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS DIMENSIONS HOLD DOWN TYPE AND LOCATIONS BRACED WALL
- LINE KEY WITH WALL DESIGN SUMMARY OF REQUIRED/PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES OR REQUIREMENTS.
- ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-WSP IN ACCORDANCE WITH SECTION R602.10.3 UNLESS NOTED OTHERWISE.
- 6. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 1/2" GYP9UM INSTALLED, WHEN NOT USING METHOD "GB", GYP9UM TO BE FASTENED PER TABLE RT023.5. METHOD GB TO BE FASTENED PER TABLE R602.10.1
- CS-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/ 6d COMMON NAILS OR 8d (2 1/2" LONG x Ø/13" DIAMETER) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (UNO.).
- GB REFERS TO THE "GYPSUM BOARD" WALL BRACING METHOD. 1/2" (MIN.) GYPSUM WALL BOARD IS TO BE INSTALLED ON BOTH \$10E\$ OF THE BRACED WALL FASTENED WITH 11/4" SCREUS OR 15/8" NAILS SPACED TO OC. ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (UN.O.). YERRY ALL FASTENER OPTIONS FOR 1/2" AND 5/8" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENER OPTIONS SEE TABLE RT02.35. FOR EXTERIOR FASTENER OPTIONS SEE TABLE R602.3(I). EXTERIOR GB TO BE INSTALLED VERTICALLY.
- REQUIRED BRACED WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R&OZ. 103, METHOD C6-146P CONTRIBUTES 115 ACTUAL LENGTH, METHOD GB CONTRIBUTES 5 115 ACTUAL LENGTH, AND METHOD PF CONTRIBUTES 15 ITMES 115 ACTUAL LENGTH.











AT EACH PANEL EDGE

BRACED WALL PANEL CONNECTION WHEN 6

ADDITIONAL FRAMING

BRACED WALL PANEL

MEMBER DIRECTLY ABOVE

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

BRACED WALL PANEL

- BRACED WALL PANEL

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

ADDITIONAL FRAMING

MEMBER DIRECTLY BELOW BRACED WALL PANEL

ALONG BRACED WALL PANEL

PARALLEL TO FLOOR/CEILING FRAMING

PER FIG R602 10 4 4(2)

(c) GARAGE DOOR CORNER DETAIL (SEE PLAN FOR ADDITIONAL

STRUCTURAL INFORMATION OR ALTERNATE CONFIGURATIONS)

- CONTINUOUS RIM OR BAND JOIST

8d NAILS @ 6" O.C. ALONG

BRACED WALL PANEL

BRACED WALL PANEL

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

ALONG BRACED WALL PANEL

TINUOUS RIM W/ FINGER

JOISTS OR DBL. BAND JOIST

SCALE NOTE: LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. II" x IT" PRINTS ARE ONE HALF THE NOTED SCALE KING STUDS BETWEEN GARAGE HEADERS PER PLAN -GRADE AND PORTAL FRAME -GARAGE HEADER PER PLAN 2) 5'-I ONG SIMPSON CSIG STRAPS TOP AND BOTTOM OF INSIDE FACE OF BEAM TO TIE VERTICAL STRAPS PER PORTAL FRAME DETAIL HEADERS TOGETHER JACK STUDS SUPPORTING HEADERS PER PLAN PORTAL FRAME CONNECTION DETAIL

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

-FULL HEIGHT BLOCKING &

BRACED WALL PANEL

16" O.C. ALONG LENGTH OF

TOE NAIL (3) 8d NAILS AT

EA, BLOCKING MEMBER

BRACED WALL PANEL

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

>(2) 16d NAILS EA. SIDE

FULL HEIGHT BLOCKING @

16" O.C. ALONG LENGTH OF BRACED WALL PANEL

AT EA. BLOCKING

MEMBER

BETWEEN GARAGE DOOR HEADERS

REFERENCE PORTAL FRAME DETAIL FOR ALL OTHER PORTAL

FRAME INFORMATION)

BRACED WALL PANEL CONNECTION TO PERPENDICULAR ROOF TRUSSES PER FIGURE R602.10.4.5(3) (OR ALTERNATIVE: FIGURE R602,10,4,5(2)) x BLOCKING NAILING PER TABLE 6'-0" MAX.

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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

#### GENERAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS,
  HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY
  DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO 1-JOIST OR FLOOR/ROOF TRUSS
  LAYOUT DESIGN AND ACCURACY.
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NCRC.), 20/8 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK, NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 3. STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NCRC, 2018 EDITION (R301.4 R301.7)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	10	L/240 (L/360 w/ BRITTLE FINISHES)
ATTIC WITHOUT STORAGE	10	10	L/360
DECK\$	40	10	L/360
EXTERIOR BALCONIES	40	10	L/36Ø
FIRE ESCAPES	40	10	L/36Ø
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10	L/36Ø
PASSENGER VEHICLE GARAGE	5Ø	10	L/36Ø
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/36Ø
SLEEPING ROOMS	3Ø	10	L/36Ø
STAIRS	40	10	L/36Ø
WIND LOAD	(BASED ON TABLE R3Ø12(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 15 PSF DEAD LOAD
- 4. FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE 15 TO COMPLY WITH SECTION R403.16 OF THE NCRC, 2016 EDITION. FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION 4504 OF THE NCRC, 2016 EDITION.
- 5. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NCRC, 2018 EDITION.

#### FOOTING AND FOUNDATION NOTES

- FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING CAPACITY IS NOT ACHIEVED.
- 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 WHERE APPROVED, THE FILL DETTH'S SHALL NOT EXCEPT 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 I A ACCORDING TO THE INSTER SOIL CLASSIFICATION SYSTEM IN ACCORDING THE NORC. 2018 EDITION.
- 3. PROPERLY DEWATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE SLAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 34" - I" DEEP CONTROL JOINTS ARE TO BE SAWED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
- 4. CONCRETE SHALL CONFORM TO SECTION R4022 OF THE NCRC, 2018 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60. WELDED WIRE FABRIC TO BE ASTM A185. MAINTAIN A HIMMUM CONCRETE COVER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 11/2" IN SLABS. FOR POURED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 11/2" FOR 15 BARS OR SMALLER, AND NOT LESS THAN 2" FOR 16 BARS OR LARGER.
- 5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL COMFORM
- 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 RADA OF THE NCRC, 2019 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 313, NCMA TRE6.4- OR ACE 5303/ACES 51719: 440. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE RADALIKI), RADALIKI2), RADALIKI3), OR RADALIKI4) OF THE NCRC, 2019 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE RADALIKI5 OF THE NCRC, 2019 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT IS "OC. WHERE GRADE PERMITS (UNO).

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#### FRAMING NOTES

- ALL FRAMING LUMBER SHALL BE 12 9PF MINIMUM (Fb = 815 PS), Fv = 315 PS), E = 16000000 PS)) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE 12 SYP MINIMUM (Fb = 915 PS), Fv = 115 PS), E = 16000000 PS)) UNLESS NOTED OTHERWISE (UNO).
- LAMINATED VENEER LUMBER (LYL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb =2600 PSI, Fv = 285 PSI, E = 1900000 PSI. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2325 PSI, Fv = 310 PSI, E = 18500000 PSI. PARALLEL STRAND LUMBER (PSL) WITH PARALLEL STRAND LUMBER (PSL) WITH PARALLEL STRAND LUMBER (PSL) MORE THAN TO DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2900 PSI, E = 20000000 PSI. PARALLEL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
- 3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

A. WAND UT SHAPES: ASTM A992

B. CHANNELS AND ANGLES: ASTM A36

C. PLATES AND BARS: ASTM A36

D. HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE B

E. STEEL PIPE: ASTM A50, GRADE B, TYPE E OR S

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

A WOOD FRAMING (2) 1/2" DIA. x 4" LONG LAG SCREWS

B. CONCRETE (2) 1/2" DIA. x 4" WEDGE ANCHORS

C. MASONRY (FULLY GROUTED) (2) 1/2" DIA x 4" LONG SMIPSON TITEN HD ANCHORS

LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TOE NAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 2x NAILER IS SECURED TO THE TOP OF THE STEEL BEAM W/ (2) ROUS OF SELF TAPPING SCREUS @ 16" O.C. OR (2) ROUS OF 1/2" DIAMETER

THE 2X NAILER IS SECURED TO THE TOP OF THE STEEL BEAM w/ (2) ROWS OF SELF TAPPING SCREWS @ 16" O.C. OR (2) ROWS OF 12" DIAMETER BOLTS @ 16" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED w/ (2) ROWS OF 9/16" DIAMETER HOLES @ 16" O.C.

- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SHADED SQUARES DENOTE POINT LOADS
  FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- 6. ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R602.7(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 FULLY ON (1) JACK OR (2) STUDS MINIMUM OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDER TRUSSES FERRENDICULAR TO WALL AND SUPPORTED BY (3) STUDS OR LESS ARE TO HAVE 1 1/2\* MINIMUM BEARING (UNO). ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY MORE THAN (3) STUDS OR OTHER NOTED COLUMN ARE TO BEAR FULLY ON SUPPORT COLUMN FOR ENTIRE WALL DEPTH (UNO). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO).
- 8. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A3Ø1) WITH WASHERS PLACED AT THREADED END OF BOLT.
  BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS LOCATED AT 6" FROM EACH END (UNO).
- 9. ALL 1-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.
- IØ. BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 20/8 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 I-JOISTS PER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- 2. FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8"-0" IN LENGTH, REST A 6" x 4" x 5//6" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (UNQ). FOR ALL HEADERS 8"-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5//6" 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//6" STEEL ANGLE TO (2) 2 x 1/0 BLOCKING INSTALLED W/ (4) 1/2 NAILS EA, PLY BETWEEN WALL STUDS WITH (2) ROUS OF 1/2" LAG SCREWS AT 12" OC. STAGGERED AND IN ACCORDANCE WITH SECTION R103.82.1 OF THE NORC, 2/0/8 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 ROWS OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SHOWN (UNO).
- 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).
- ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 700 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO.) POSTS MAY BE SECURED USING ONE SIMPSON H6 OR LTSIZ UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE IS "SECTION OF SIMPSON CSI6 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.

SEAL 33736

W. G. STROMANNE TO 15/2022

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

ATE: NOVEMBER 14, 2018

ORAWN BY: JES

ENGINEERED BY: JST

S-O STRUCTURAL NOTES

20 MPH - 130 MPH ULTIMAT