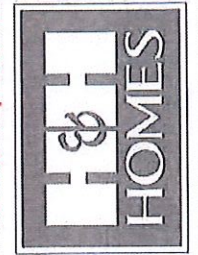


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ENGINEERING, INC.
405 WADE AVE., SUITE 104
RALEIGH, NC 27605
PHONE (919) 789-9919
FAX (919) 789-9921
N.C. LICENSE NO. C4173



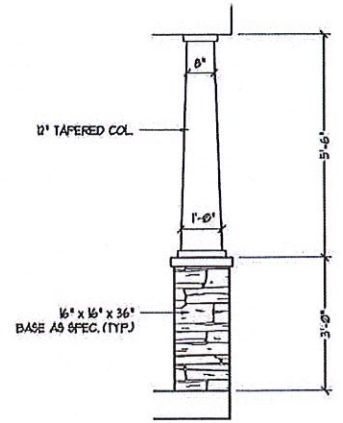
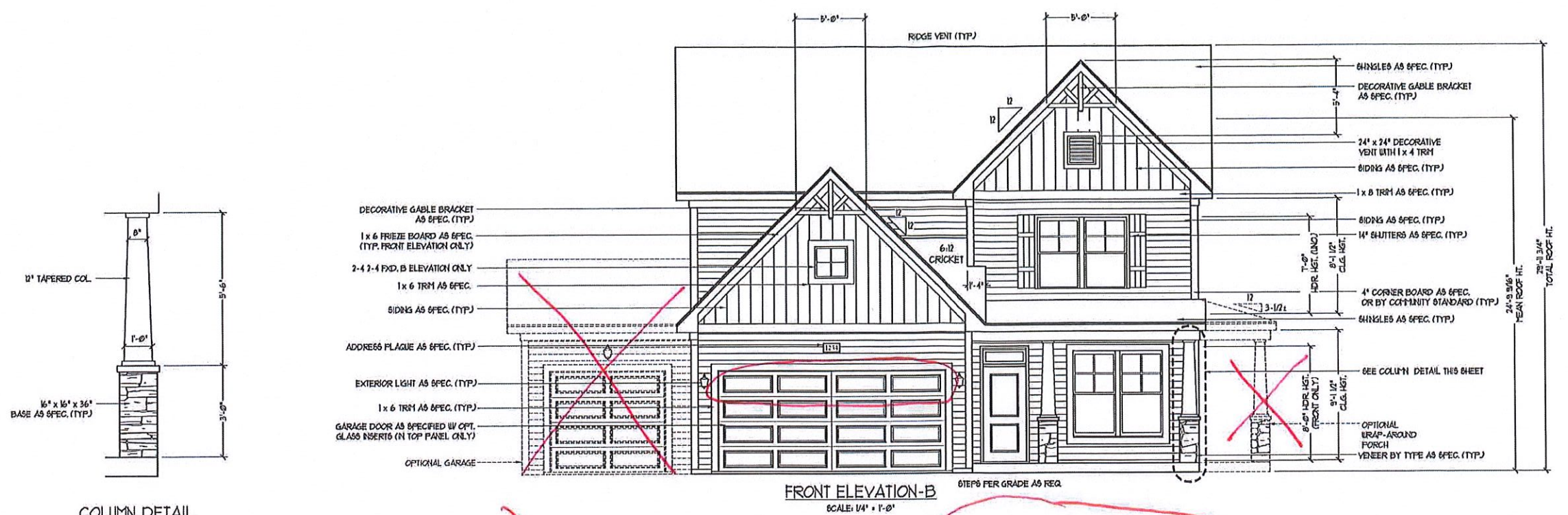
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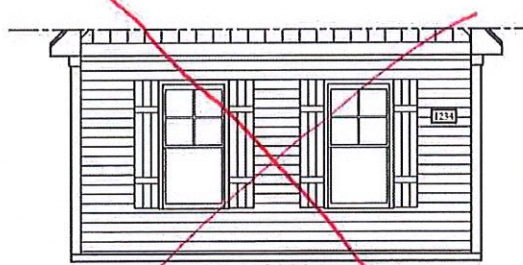
B - 1 ELEVATIONS
A-2

JB

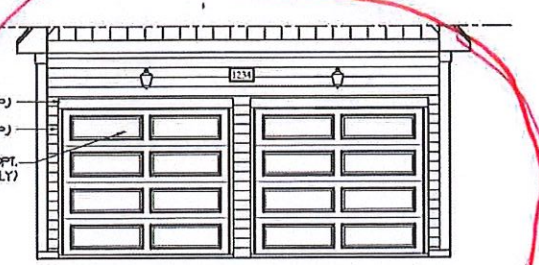


COLUMN DETAIL

FRONT ELEVATION-B
SCALE: 1/4" = 1'-0"

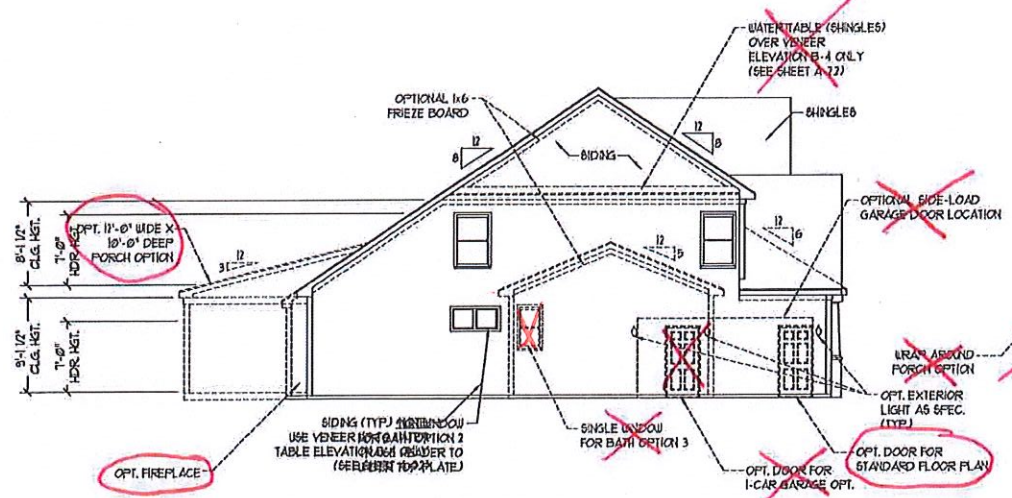


SIDE LOAD GARAGE OPTION
(NOT AVAILABLE WITH OPTIONAL ONE-CAR GARAGE)
SCALE: 1/4" = 1'-0"

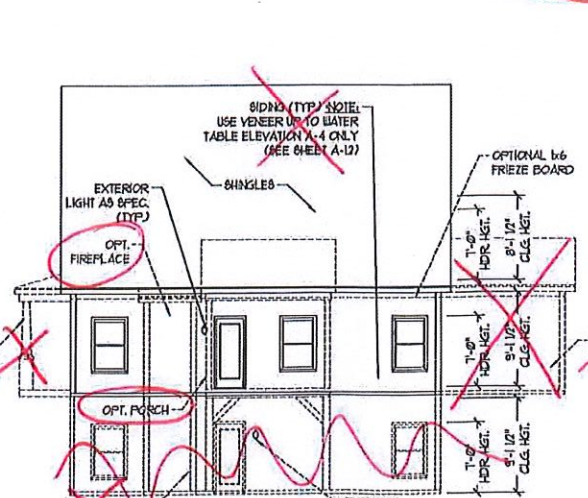


DOUBLE GARAGE DOOR OPTION
SCALE: 1/4" = 1'-0"

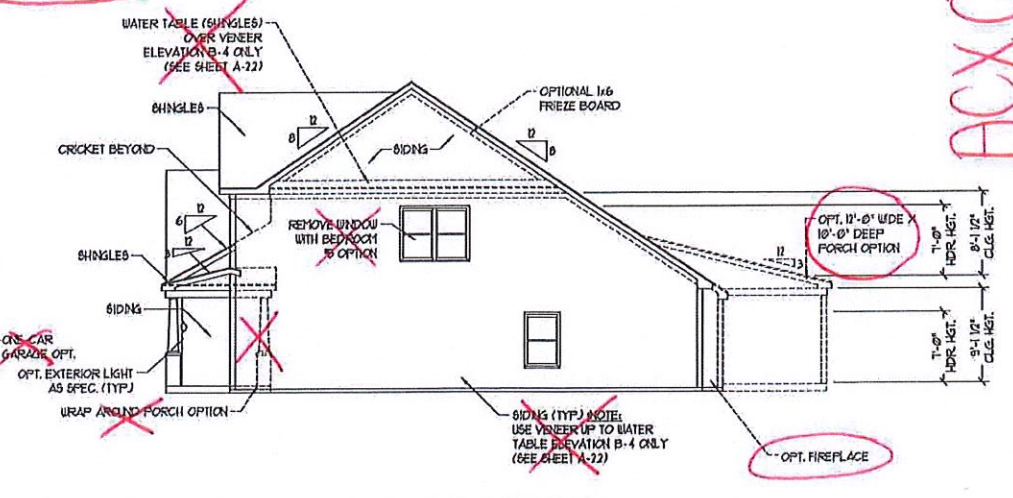
NOTE:
SEE SHEET A-2.1 FOR BRICK FRONT ELEVATIONS
SEE SHEET A-2.2 FOR STONE FRONT ELEVATIONS
SEE SHEET A-2.3 (ALL BRICK) ELEVATIONS



SIDE ELEVATION
SCALE: 1/8" = 1'-0"



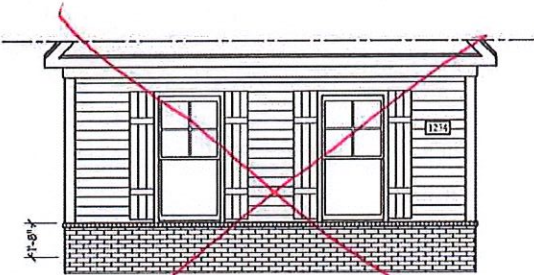
REAR ELEVATION
SCALE: 1/8" = 1'-0"



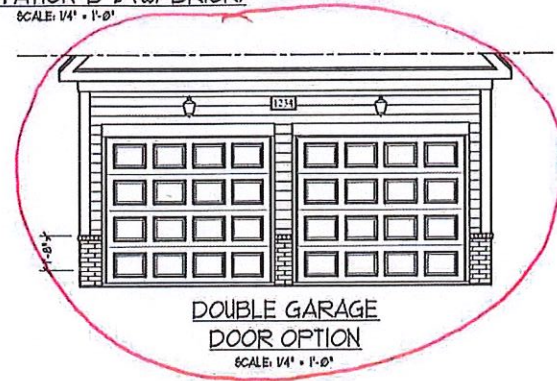
SIDE ELEVATION
SCALE: 1/8" = 1'-0"



FRONT ELEVATION-B-2 (W/ BRICK)
SCALE: 1/4" = 1'-0"



SIDE LOAD
GARAGE OPTION
(NOT AVAILABLE WITH OPTIONAL ONE-CAR GARAGE)
SCALE: 1/4" = 1'-0"

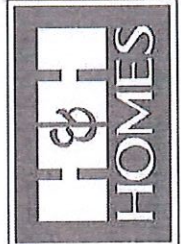


DOUBLE GARAGE
DOOR OPTION
SCALE: 1/4" = 1'-0"



FRONT ELEVATION-B-3 (W/ BRICK)
SCALE: 1/4" = 1'-0"

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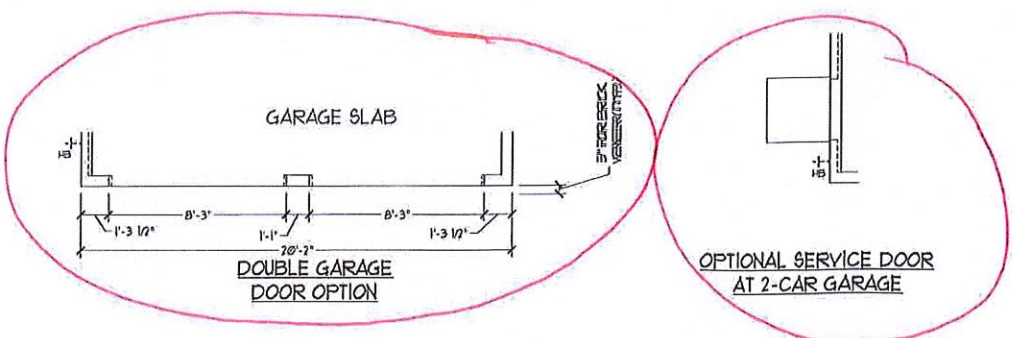
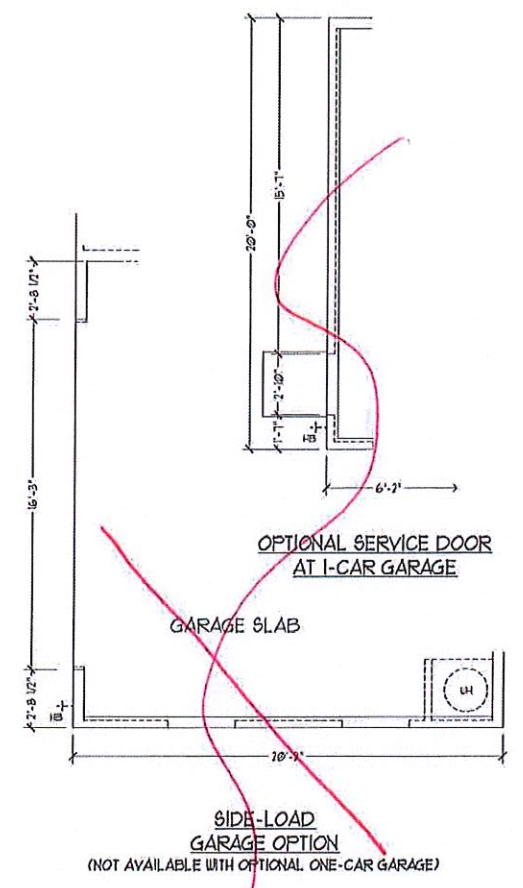
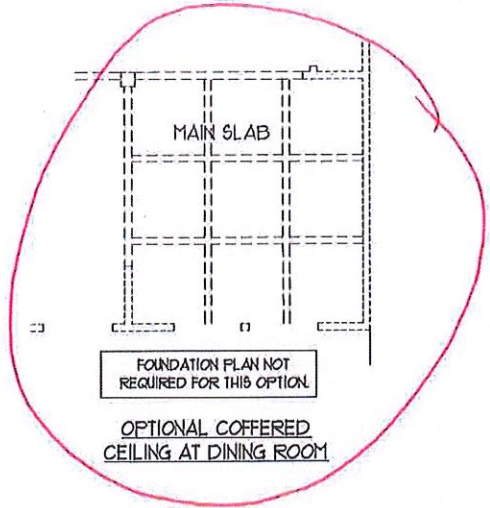
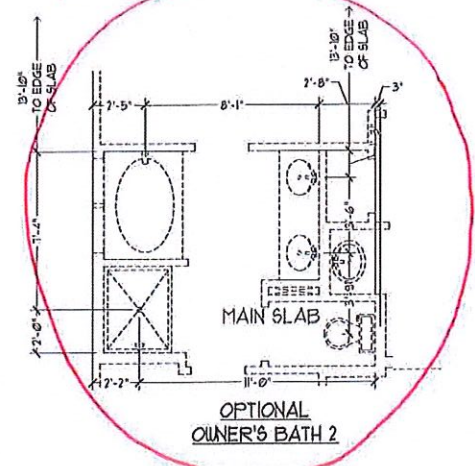
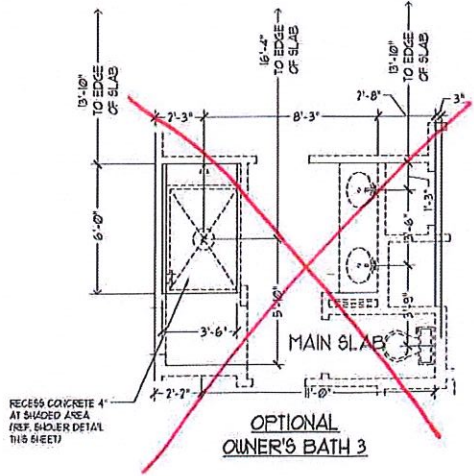
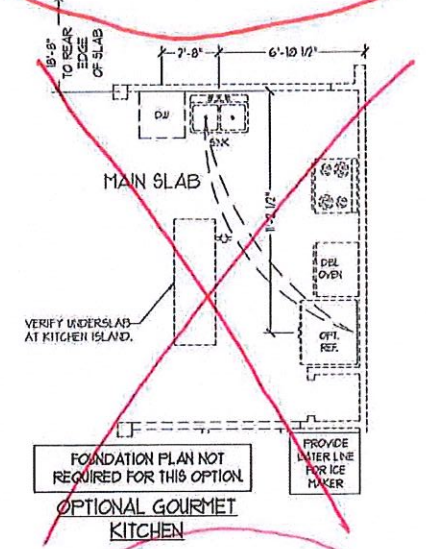
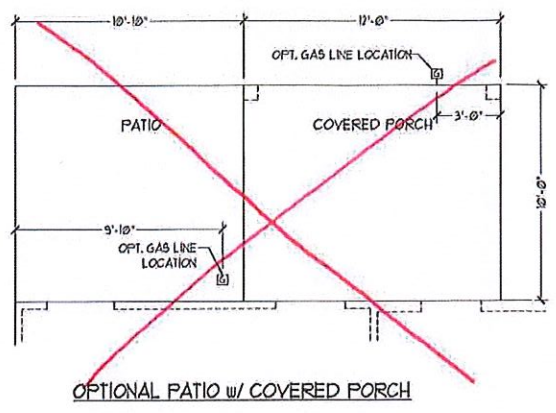
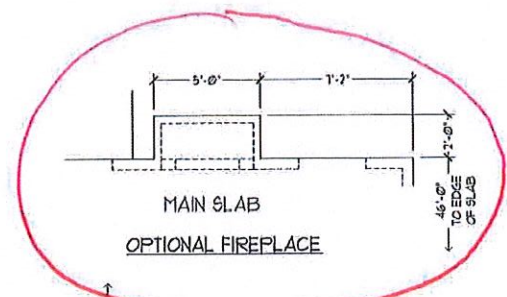
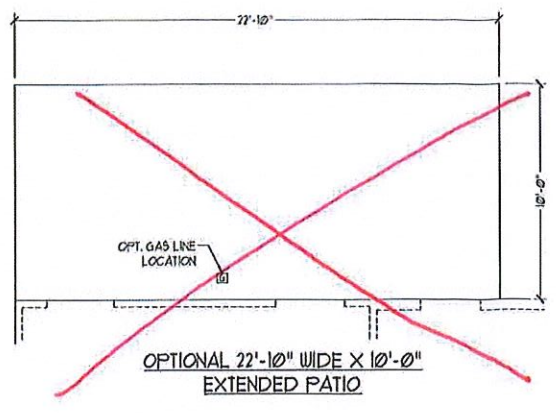
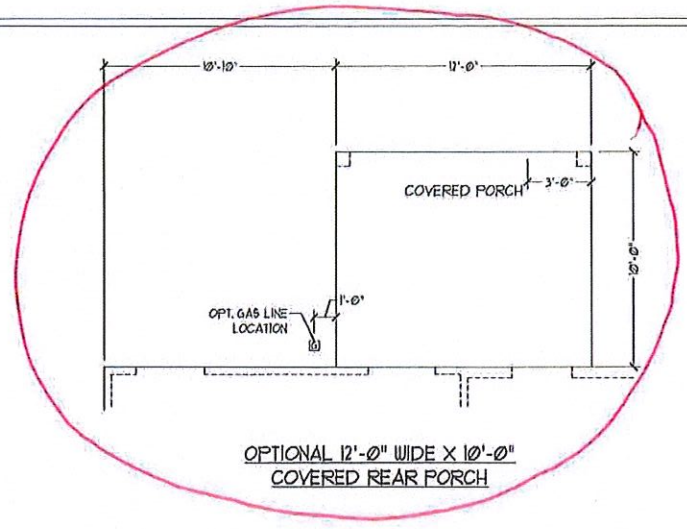


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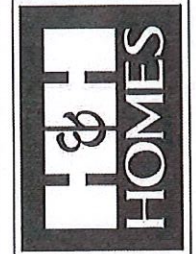
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JORDAN

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REVIEWED BY:
B-2 & B-3
ELEVATIONS
WITH BRICK
A-2.2

JB



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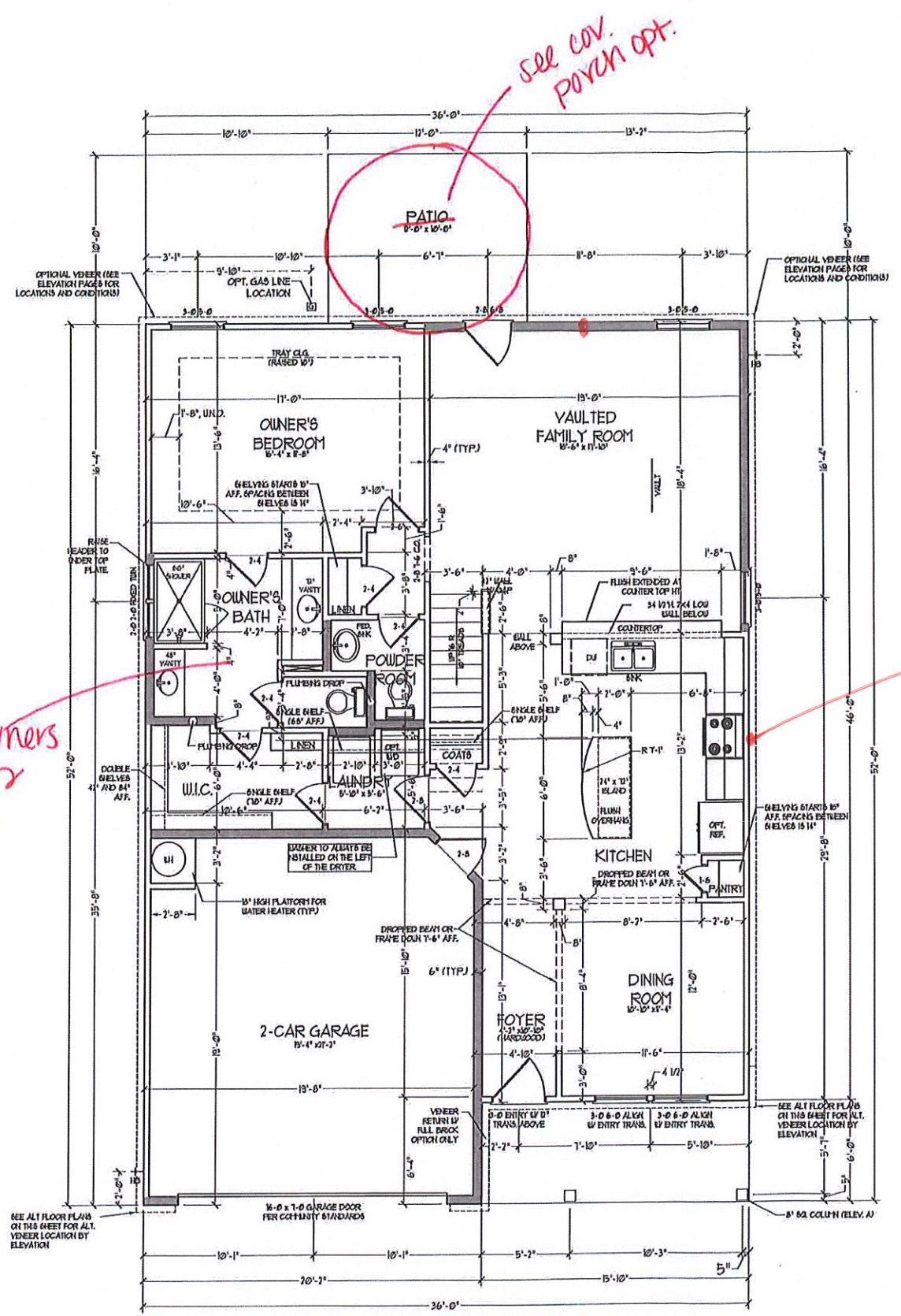


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SLAB INTERFACE
 OPTIONS
A.4.1



FIRST FLOOR PLAN
(A-1, B-1, AND C-1)

SEE PARTIAL FLOOR PLAN ON SHEET A-32 FOR CHANGES TO THE EXTERIOR VENEER FOR ALL ELEVATIONS

SEE OWNERS BATH # 2 OPT.

SEE CONV. PORCH OPT.

gas line

SQUARE FOOTAGE	
1st FLOOR	1341 SQ. FT.
2nd FLOOR	1251 SQ. FT.
TOTAL	2492 SQ. FT.
GARAGE	415 SQ. FT.
FRONT PORCH	15 SQ. FT.
6TD. REAR PATIO	50 SQ. FT.
1st FLOOR OPTIONS	
OPT. FIREPLACE	10 SQ. FT.
2nd FLOOR OPTIONS	
OPT. WINDOW BOX AT BEDROOM 1	5 SQ. FT.
UNHEATED OPTIONS	
OPT. BASEMENT	610 SQ. FT.
OPT. 1-CAR GARAGE	140 SQ. FT.
OPT. REAR COVERED PORCH	50 SQ. FT.
OPT. 12'-0" X 12'-0" PATIO	100 SQ. FT.

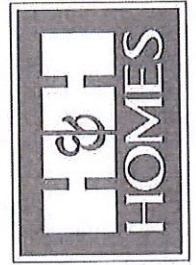
SQUARE FOOTAGE (W/ FULL BRICK)	
1st FLOOR	1429 SQ. FT.
2nd FLOOR	1251 SQ. FT.
TOTAL	2680 SQ. FT.
GARAGE	415 SQ. FT.
FRONT PORCH	15 SQ. FT.
6TD. REAR PATIO	50 SQ. FT.
1st FLOOR OPTIONS	
OPT. FIREPLACE	14 SQ. FT.
2nd FLOOR OPTIONS	
WINDOW BOX AT BEDROOM 1 (ELEV. C ONLY)	5 SQ. FT.
UNHEATED OPTIONS	
OPT. BASEMENT	610 SQ. FT.
OPT. 1-CAR GARAGE	140 SQ. FT.
OPT. REAR COVERED PORCH	50 SQ. FT.
OPT. 12'-0" X 12'-0" PATIO	100 SQ. FT.

NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 4 @ 16" O.C. UNLESS NOTED OTHERWISE. ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. UNLESS NOTED OTHERWISE. INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. UNLESS NOTED OTHERWISE.

2x6 WALL

* SHADED WALLS ARE TO BE 2 x 6 @ 16" O.C. (LOAD BEARING) OR 2 x 8 @ 24" O.C. (NON-LOAD BEARING) REGARDLESS OF EXTERIOR WALL CONDITION

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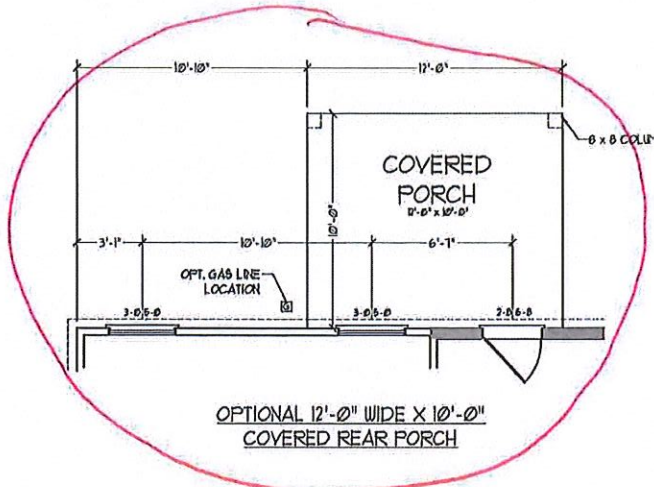
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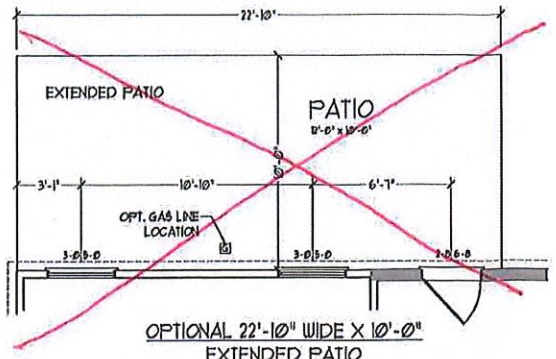
DATE: MARCH 15, 2019
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SCALE: 1/4" = 1'-0"
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FIRST FLOOR PLAN
A-6

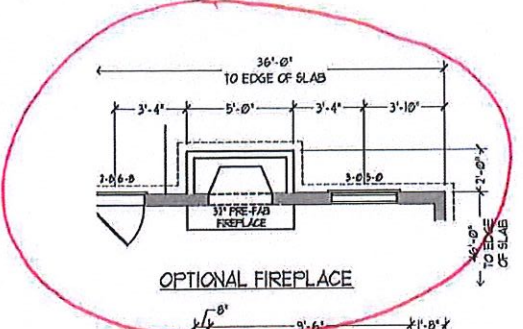
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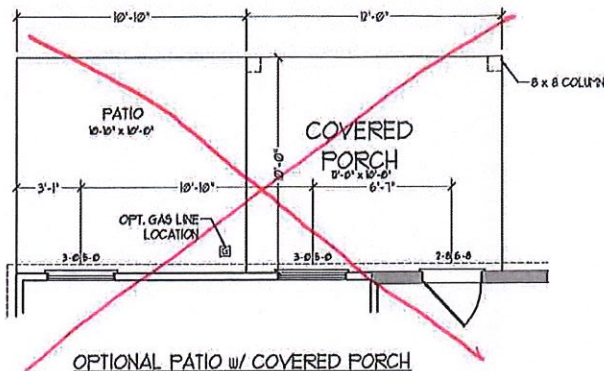
OPTIONAL 12'-0" WIDE X 10'-0" COVERED REAR PORCH



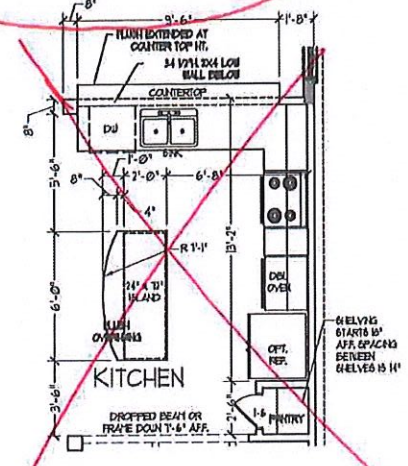
OPTIONAL 22'-10" WIDE X 10'-0" EXTENDED PATIO



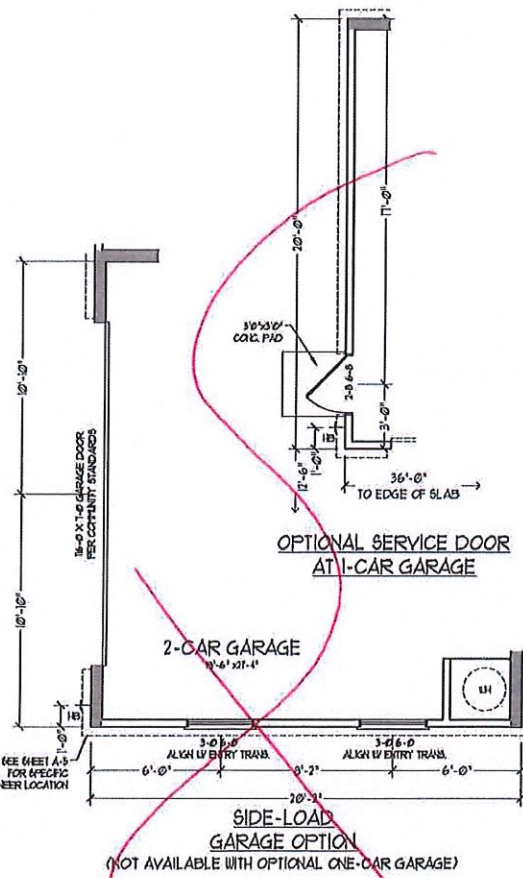
OPTIONAL FIREPLACE



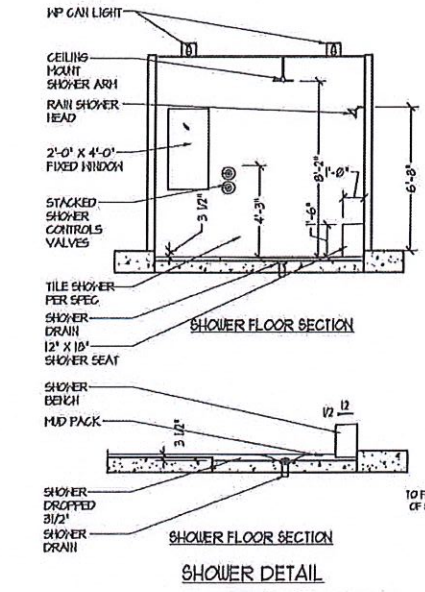
OPTIONAL PATIO w/ COVERED PORCH



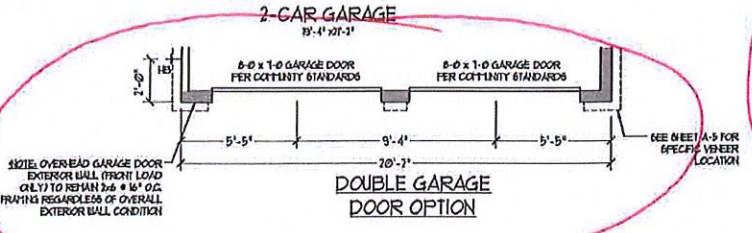
OPTIONAL GOURMET KITCHEN



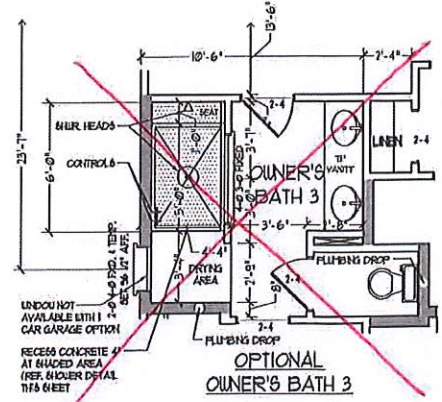
SIDE-LOAD GARAGE OPTION (NOT AVAILABLE WITH OPTIONAL ONE-CAR GARAGE)



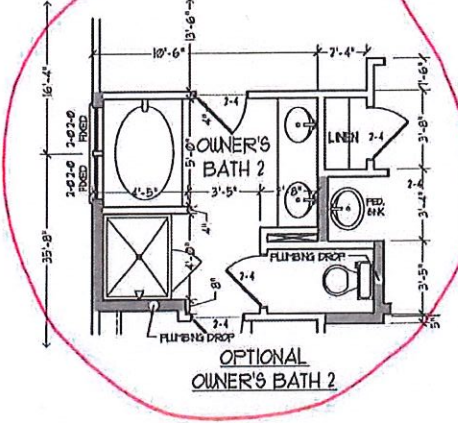
SHOWER FLOOR SECTION



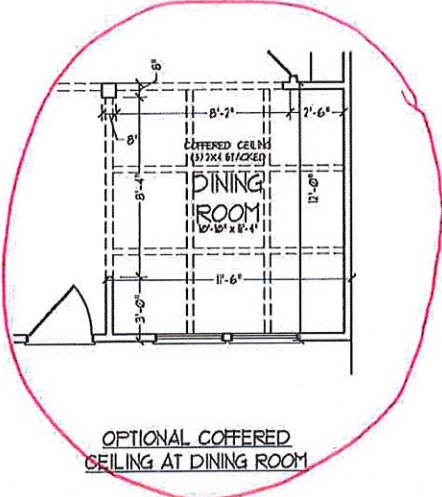
DOUBLE GARAGE DOOR OPTION



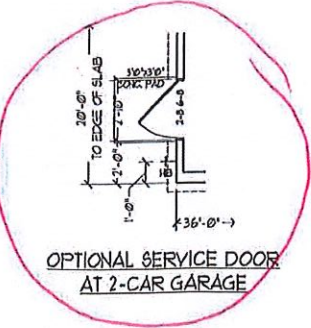
OPTIONAL OWNER'S BATH 3



OPTIONAL OWNER'S BATH 2



OPTIONAL COVERED CEILING AT DINING ROOM



OPTIONAL SERVICE DOOR AT 2-CAR GARAGE

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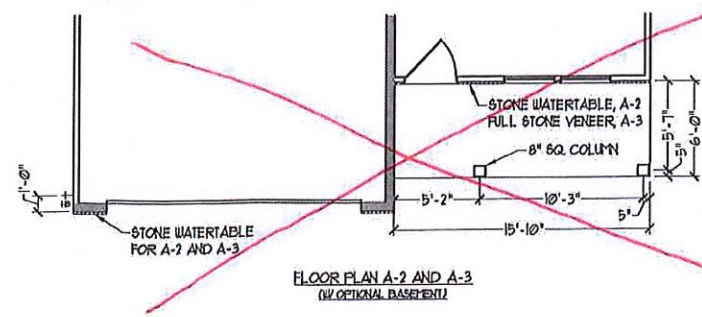
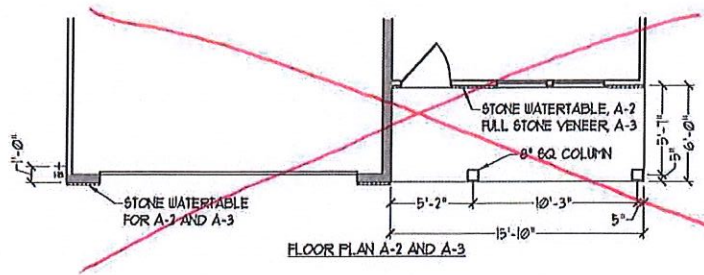
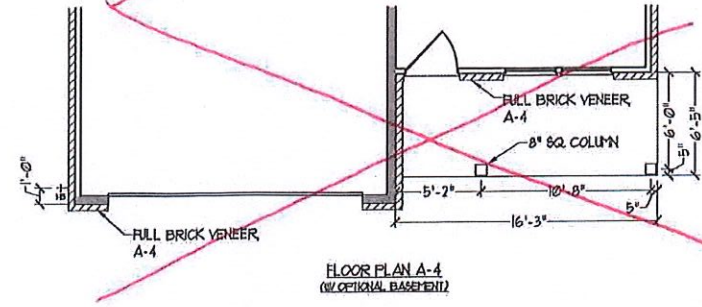
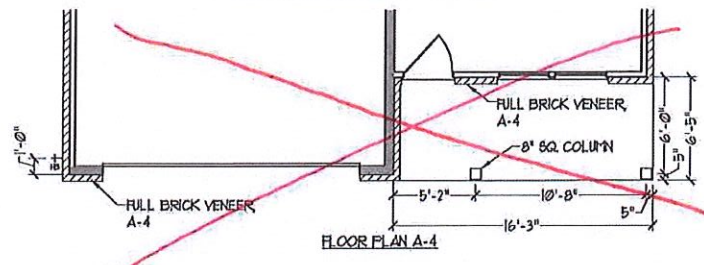
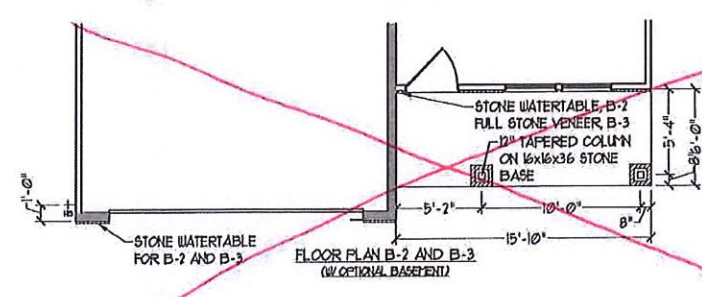
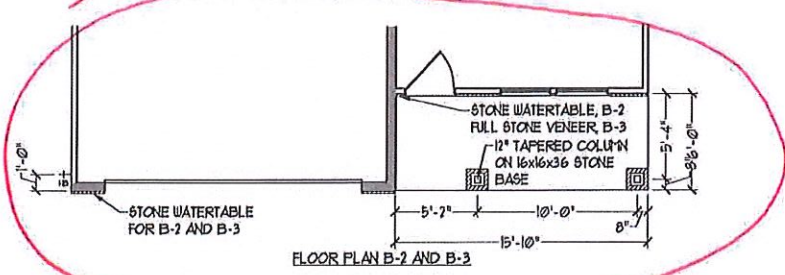
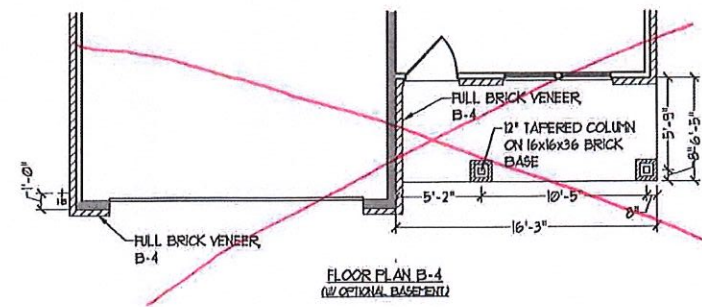
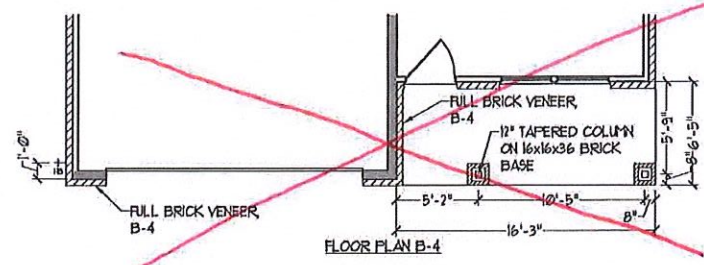
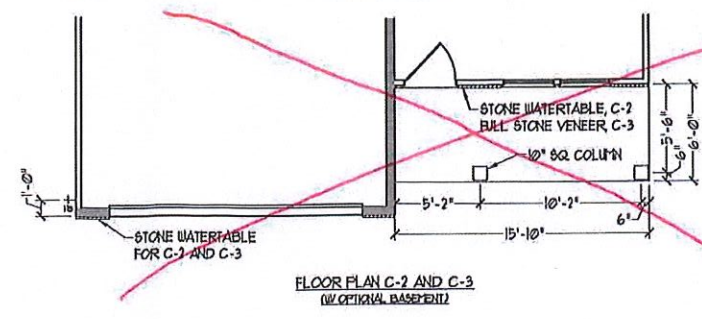
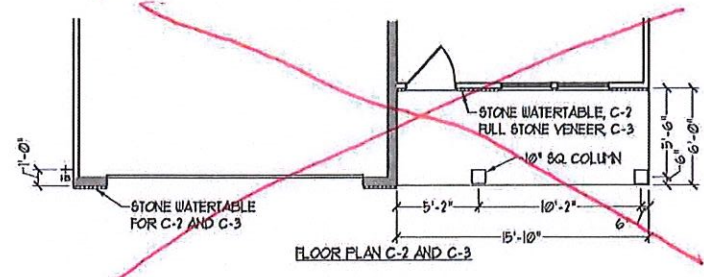
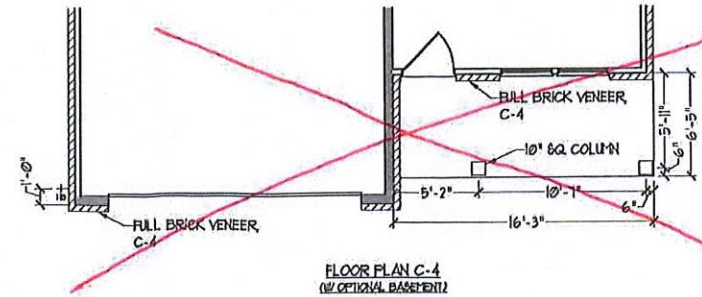
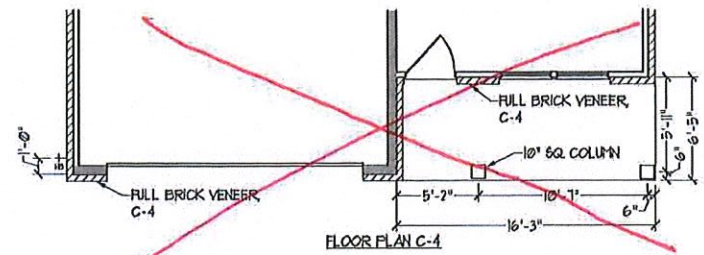
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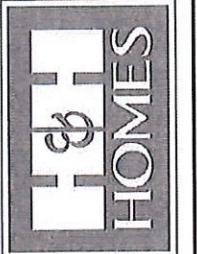
DATE: MARCH 15, 2019
REV.: MAY 01, 2020
SCALE: 1/4"=1'-0"
DRAWN BY:
ENGINEERED BY:
REVIEWED BY:
FIRST FLOOR
OPTIONS w/ OR
w/o BASEMENT

JB

A-6.1



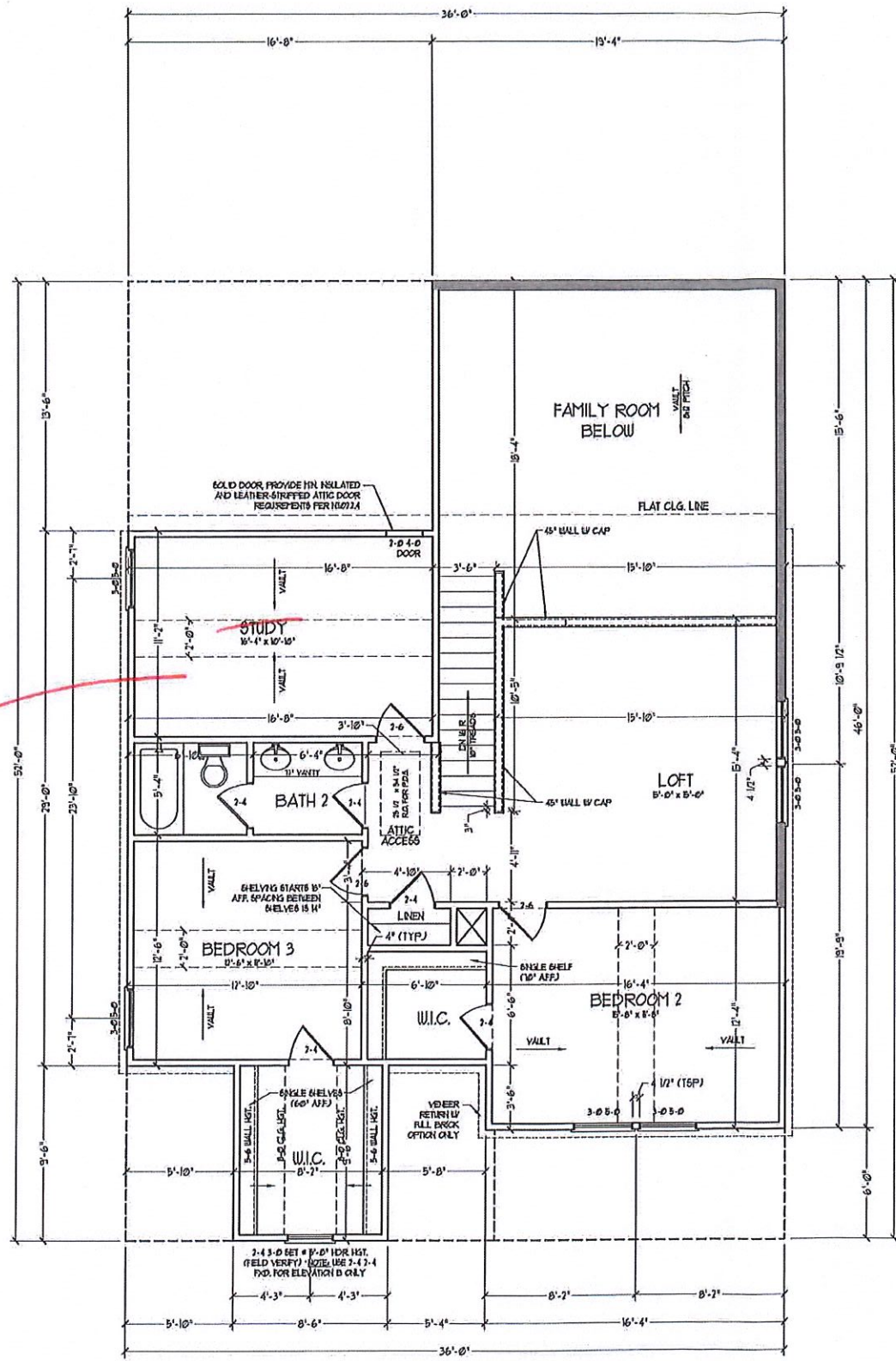
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ENGINEERING, INC.
AN WARE AVE., SUITE 101
RALEIGH, NC 27605
PHONE: (919) 886-9119
FAX: (919) 286-9111
N.C. LICENSE NO. C1133



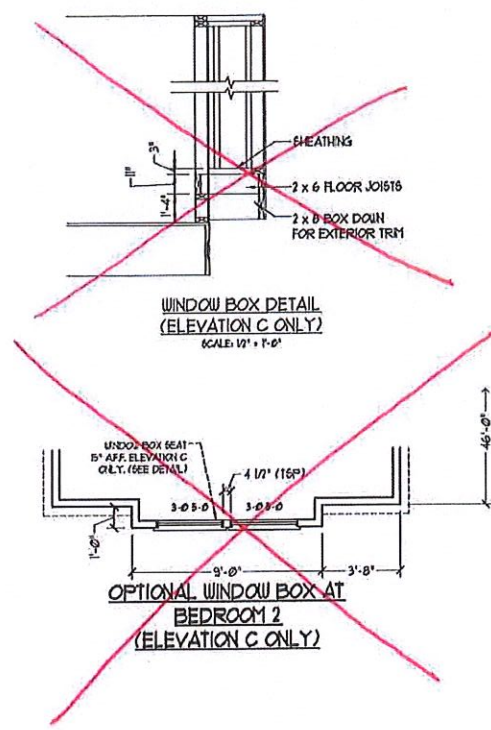
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REVIEWED BY:
FIRST FLOOR
PARTIAL PLANS
W/ & W/O
BASEMENT
A-6.3

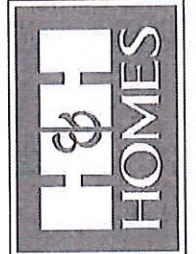


see bed #4
opt.



- ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 4 @ 16" O.C. (UDL). ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. (UDL) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (UDL).
- UNGRADED WALLS ARE TO BE 2 x 6 @ 16" O.C. (LOAD BEARING) OR 2 x 6 @ 24" O.C. (NON-LOAD BEARING) REGARDLESS OF EXTERIOR WALL CONDITION.
- PROVIDE MINIMUM INSULATION IN CEILING AND WALLS PER SECTION N 102.1
- SEE PARTIAL FLOOR ELEVATION SHEET A-6.2 FOR CHANGES TO THE EXTERIOR MEMBER FOR ALL ELEVATIONS.

J.S. THOMPSON
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KALEIGH, NC 27605
PHONE: (919) 385-9919
FAX: (919) 385-9921
N.C. LICENSE NO. G-1133



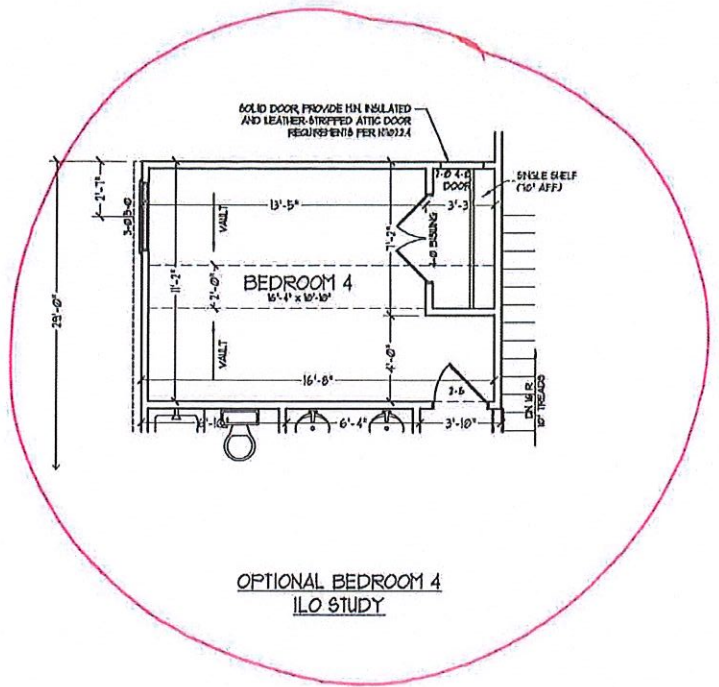
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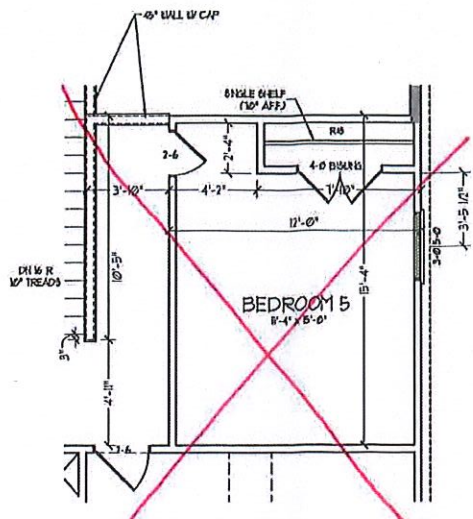
DATE: MARCH 15, 2010
REV.: MAY 01, 2020
SCALE: 1/4" = 1'-0"
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ENGINEERED BY:
REVIEWED BY:

SECOND FLOOR PLAN
A-7

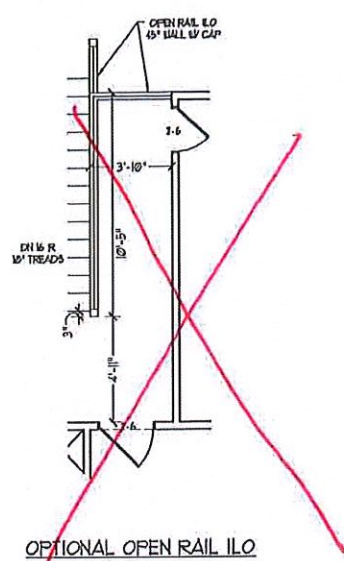
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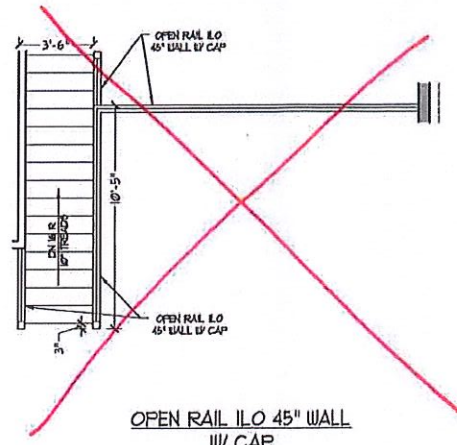
OPTIONAL BEDROOM 4
ILO STUDY



OPTIONAL BEDROOM 5
ILO LOFT

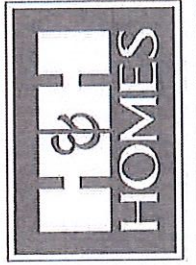


OPTIONAL OPEN RAIL ILO
45" WALL W/ CAP W/
BEDROOM 5 ILO LOFT



OPEN RAIL ILO 45" WALL
W/ CAP

J.S. THOMPSON
ENGINEERING, INC.
660 WADE AVE, SUITE 104
KATELICH, NC 27109
PHONE: (919) 885-9919
FAX: (919) 885-9921
N.C. LICENSE NO. C-1113

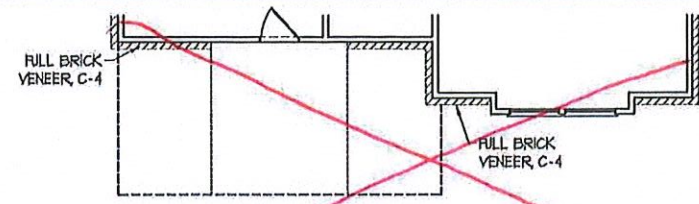


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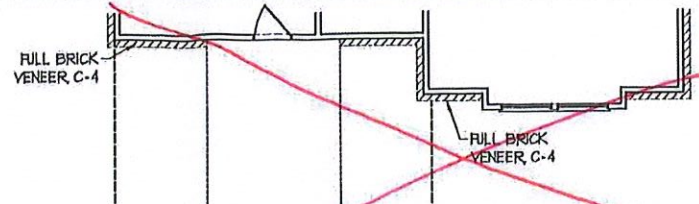
H&H HOMES, INC.
JORDAN

DATE: MARCH 15, 2019
REV.: MAY 01, 2020
SCALE: 1/4" = 1'-0"
DRAWN BY:
ENGINEERED BY:
REVIEWED BY:

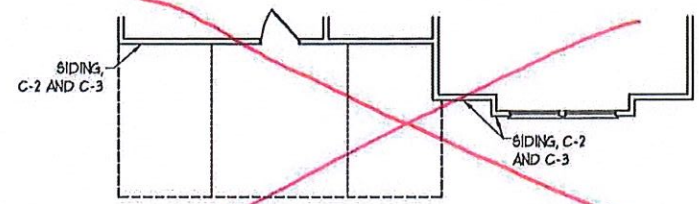
SECOND FLOOR
OPTIONS
A-7.1



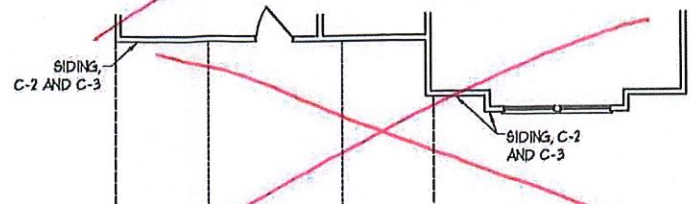
FLOOR PLAN C-4



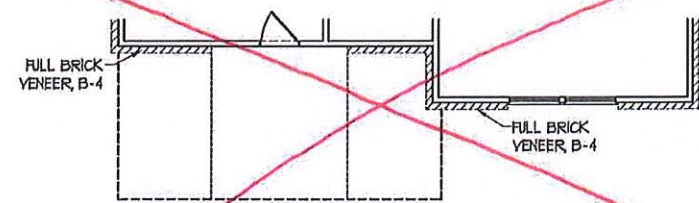
FLOOR PLAN C-4
(w/ OPTIONAL BASEMENT)



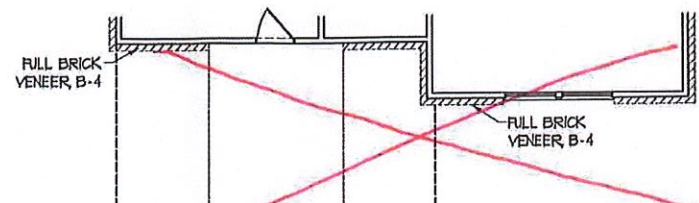
FLOOR PLAN C-2 AND C-3



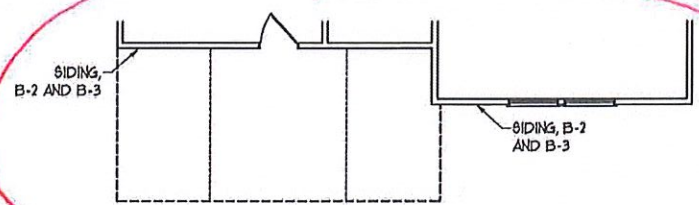
FLOOR PLAN C-2 AND C-3
(w/ OPTIONAL BASEMENT)



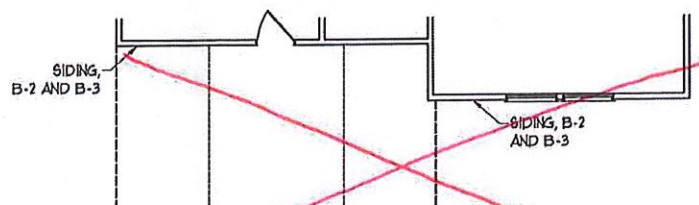
FLOOR PLAN B-4



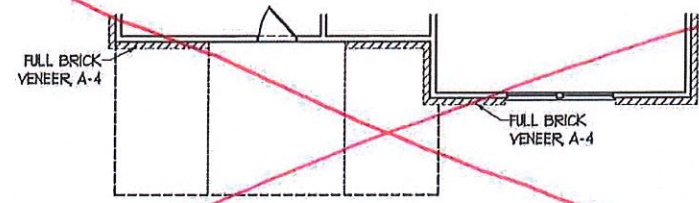
FLOOR PLAN B-4
(w/ OPTIONAL BASEMENT)



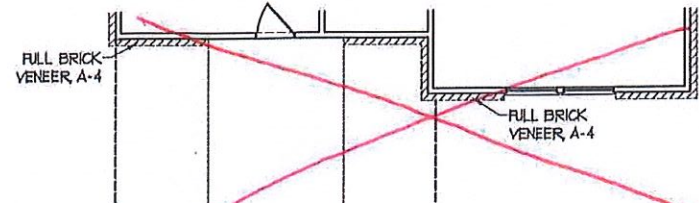
FLOOR PLAN B-2 AND B-3



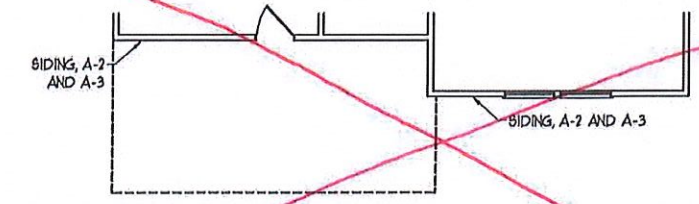
FLOOR PLAN B-2 AND B-3
(w/ OPTIONAL BASEMENT)



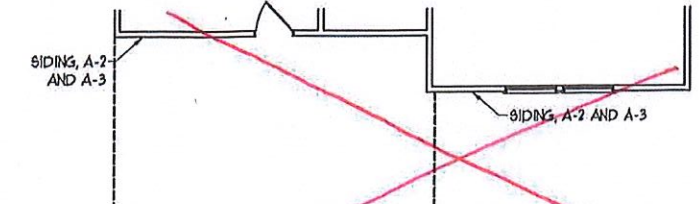
FLOOR PLAN A-4



FLOOR PLAN A-4
(w/ OPTIONAL BASEMENT)

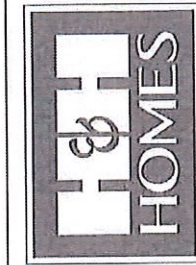


FLOOR PLAN A-2 AND A-3



FLOOR PLAN A-2 AND A-3
(w/ OPTIONAL BASEMENT)

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ENGINEERING, INC.
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RALEIGH, NC 27609
PHONE: (919) 252-9119
FAX: (919) 280-9121
N.C. LICENSE NO. C-1733

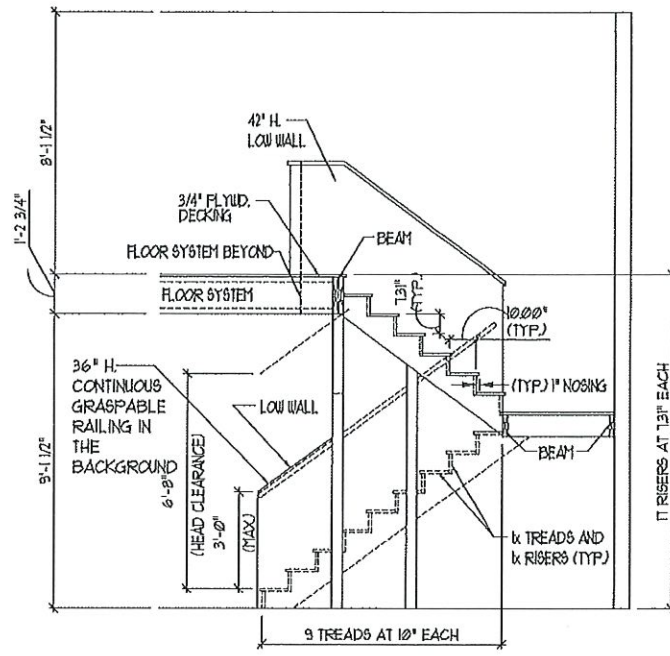


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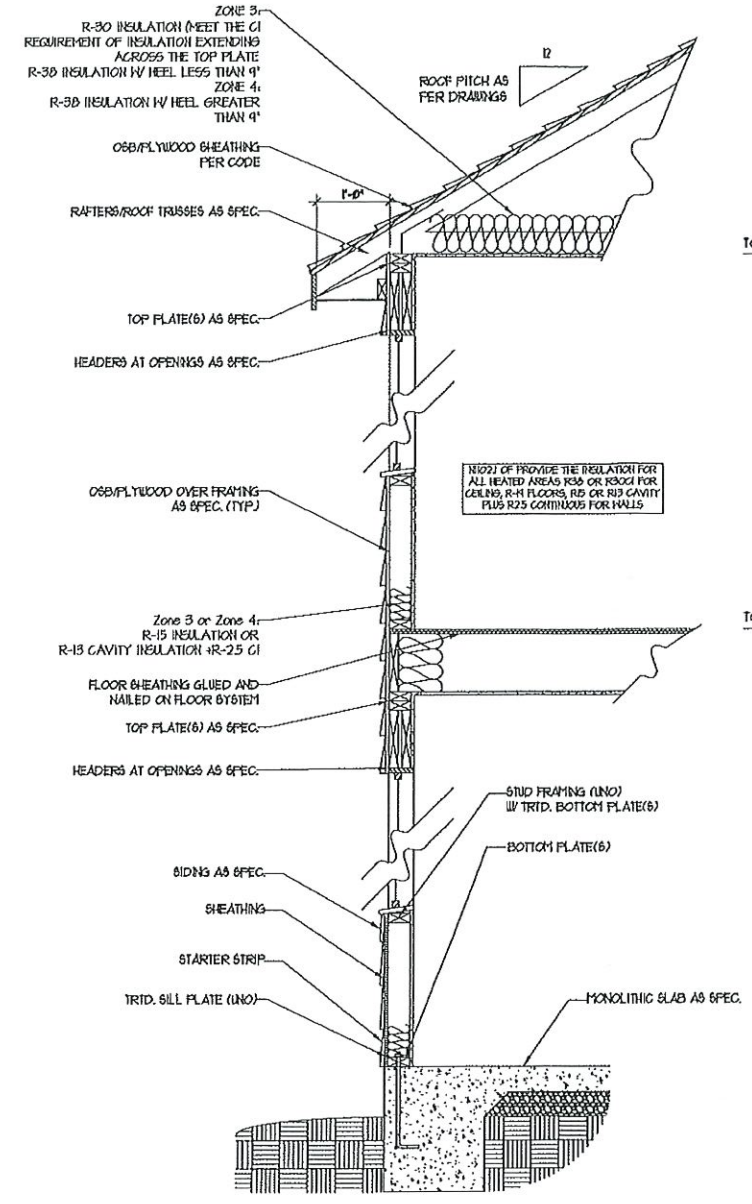
DATE: MARCH 15, 2019
REV.: MAY 01, 2020
SCALE: 1/4"=1'-0"
DRAWN BY:
ENGINEERED BY:
REVIEWED BY:

SECOND FLOOR
PARTIAL PLANS
A-7.2

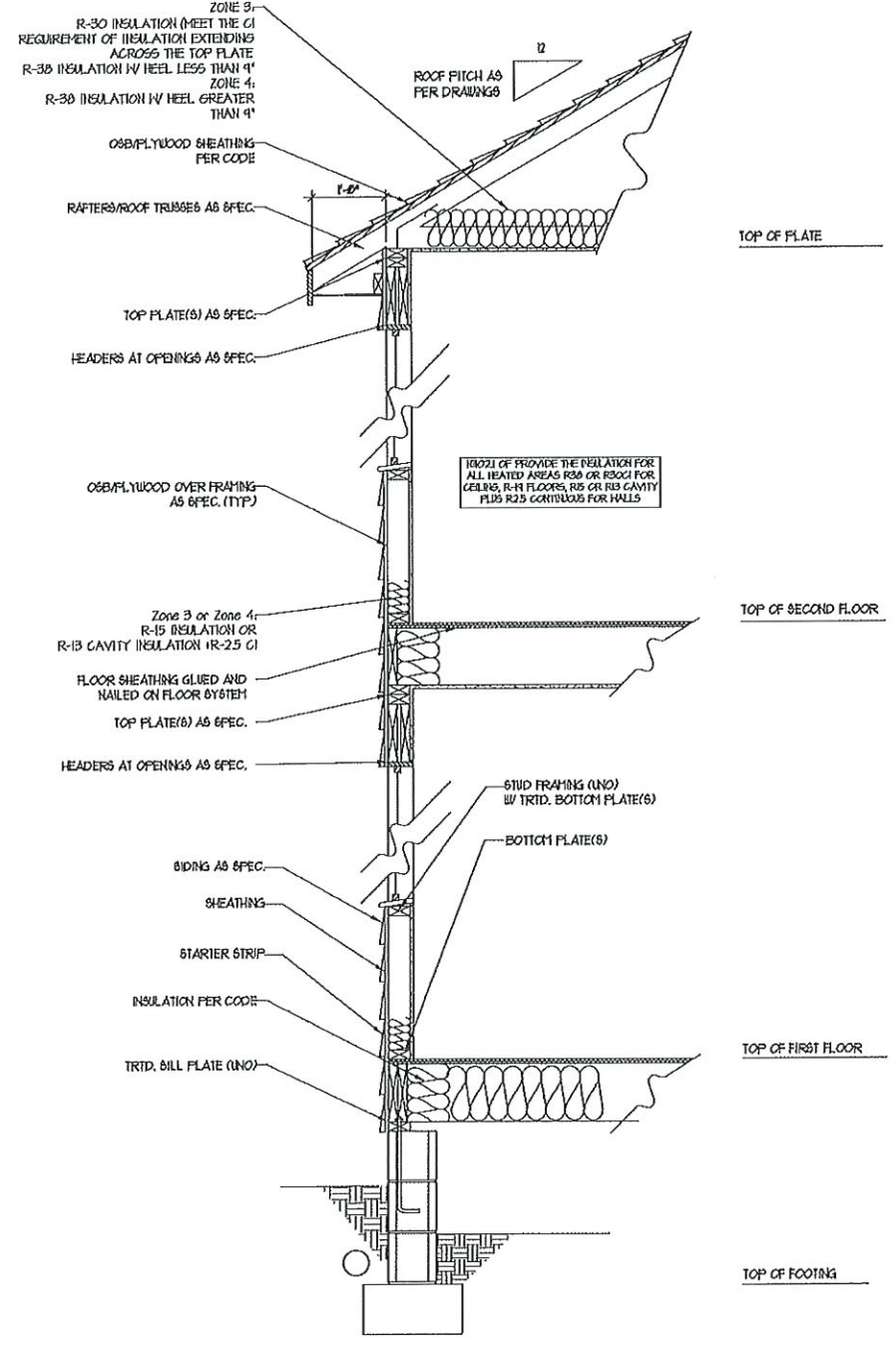


TYPICAL STAIR DETAIL
(NTS)

STAIR NOTES:
 RAILING
 BALUSTERS SHALL BE SPACED SO THAT A 4" SPHERE CANNOT PASS THROUGH.
 THE TRIANGULAR OPENINGS FORMED BY THE RISER, TREAD AND BOTTOM RAIL 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 ALLOW A SPHERE 4 3/8 INCHES TO PASS THROUGH.
 HANDRAILS:
 HANDRAILS FOR STAIRWAYS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1/2" INCH BETWEEN THE WALL AND HANDRAILS.
 CONTINUOUS GRASPABLE HANDRAIL MUST MEET ONE OR TYPE TWO CRITERIA

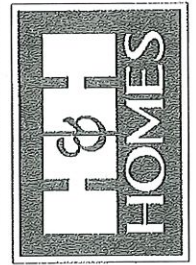


WALL SECTION W/ SLAB
W/ STD. SIDING SHOWN (NTS)



WALL SECTION W/ CRAWL SPACE
W/ STD. SIDING SHOWN (NTS)

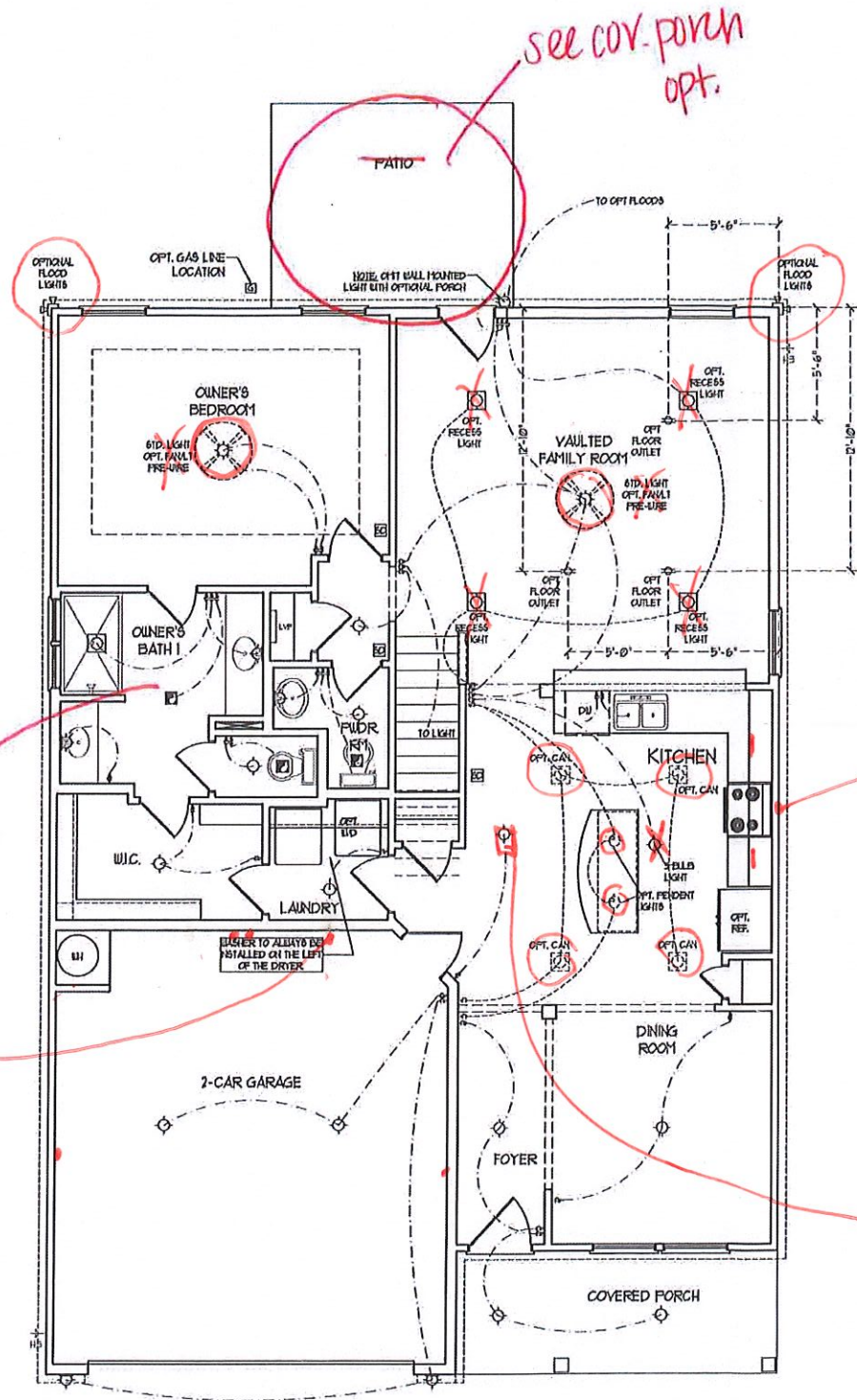
J.S. THOMPSON
 ENGINEERING, INC.
 600 W. WALKER AVE., SUITE 104
 RALEIGH, NC 27605
 PHONE: 919 789-9919
 FAX: 919 789-9921
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DATE: MARCH 15, 2019
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 ENGINEERED BY:
 REVIEWED BY:
 WALL SECTIONS AND STAIR DETAIL
 AD-1



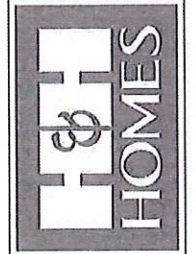
ELECTRICAL LAYOUT NOTES:

- 1) BLOCK AND USE FOR ALL CEILING FANS PER PLAN
- 2) VANITY LIGHTS TO BE SET # 60" APRT. (117P)
- 3) ADDITIONAL EXTERIOR OUTLETS REQUIRED BY CODE TO BE LOCATED BY ELECTRICIAN
- 4) PLACE SWITCHES 6" AWAY FROM ROUGH OPENINGS

ELECTRICAL LEGEND

	10 V OUTLET
	WALL MOUNT LIGHT
	CEILING MOUNT LIGHT
	PENDANT LIGHT
	RECESSED CAN LIGHT
	HIN CAN LIGHT
	EYEBALL LIGHT
	FLUORESCENT LIGHT
	2 LAMP, 4' FLUORESCENT LIGHT
	FLOOD LIGHT
	SWITCH
	3-WAY SWITCH
	4-WAY SWITCH
	DIFFER SWITCH
	CONDUIT FOR DIFFERENT USES
	SPEAKER
	DOORBELL CHIME
	10 V SMOKE DETECTOR
	CO DETECTOR
	EXHAUST FAN
	LOW VOLTAGE PANEL
	CEILING FAN
	CEILING FAN W/ LIGHT

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 N.C. LICENSE NO. G-1753



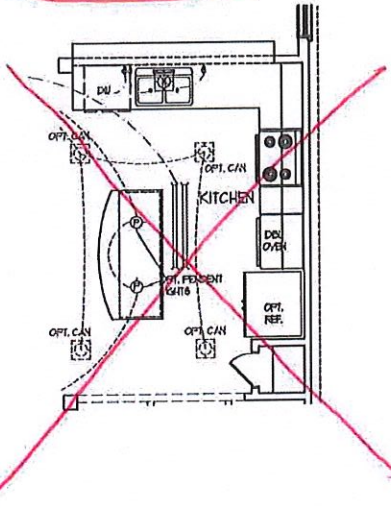
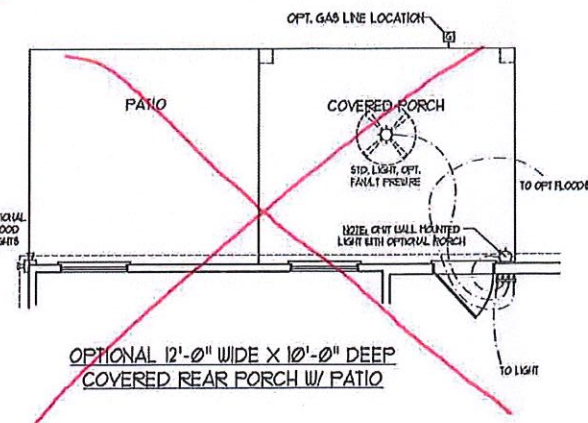
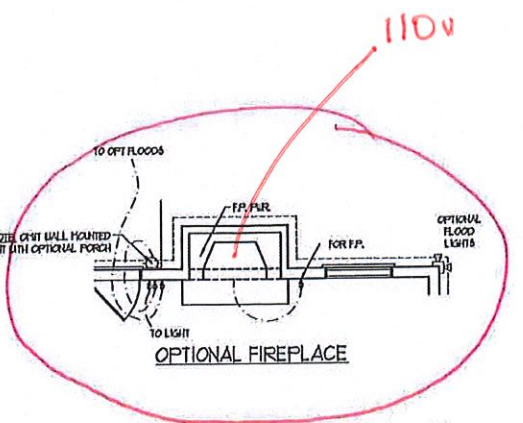
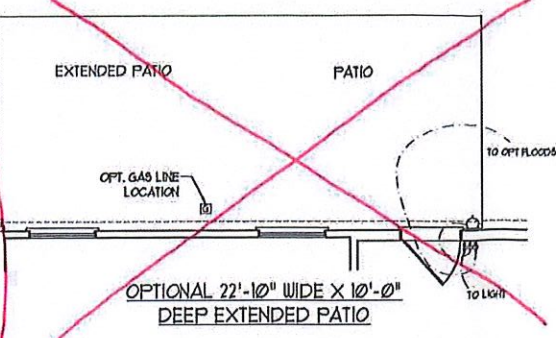
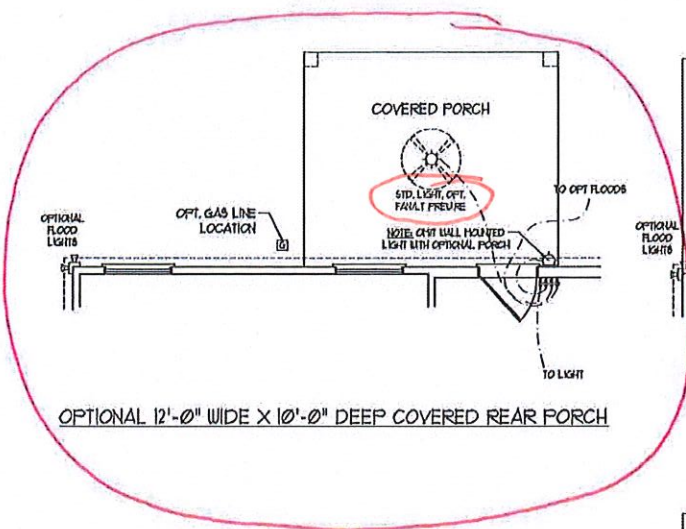
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JORDAN

DATE: MARCH 15, 2019
 REV.: MAY 01, 2020
 SCALE: 1/4" = 1'-0"
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 ENGINEERED BY:
 REVIEWED BY:
FIRST FLOOR ELECTRICAL PLAN
E-1

JB

FIRST FLOOR PLAN
 (A-1, B-1, AND C-1)

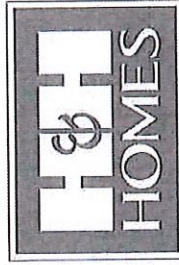


ELECTRICAL LAYOUT NOTES:
 1) BLOCK AND WIRE FOR ALL CEILING FANS PER PLAN
 2) WASTY LIGHTS TO BE SET @ 90' AFF. (TYP)
 3) ADDITIONAL EXTERIOR OUTLETS REQUIRED BY CODE TO BE LOCATED BY ELECTRICAL
 4) PLACE SWITCHES 6" FROM FRONT EDGE OF DEVICE

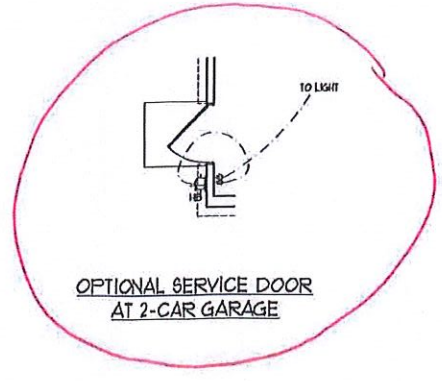
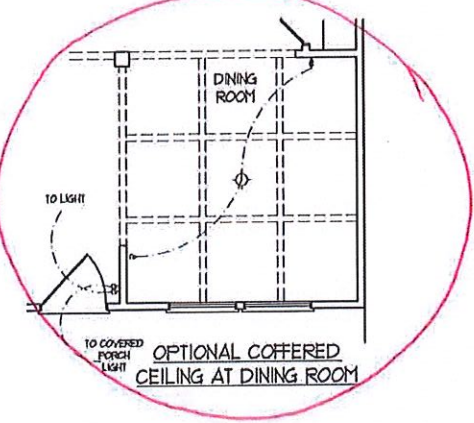
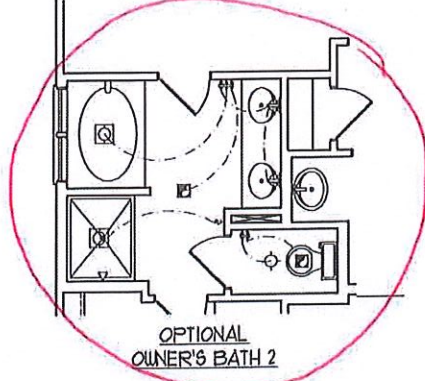
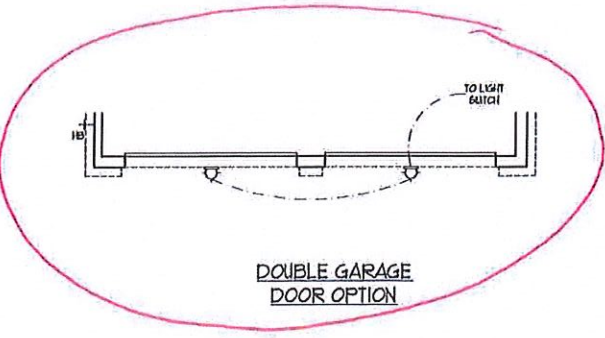
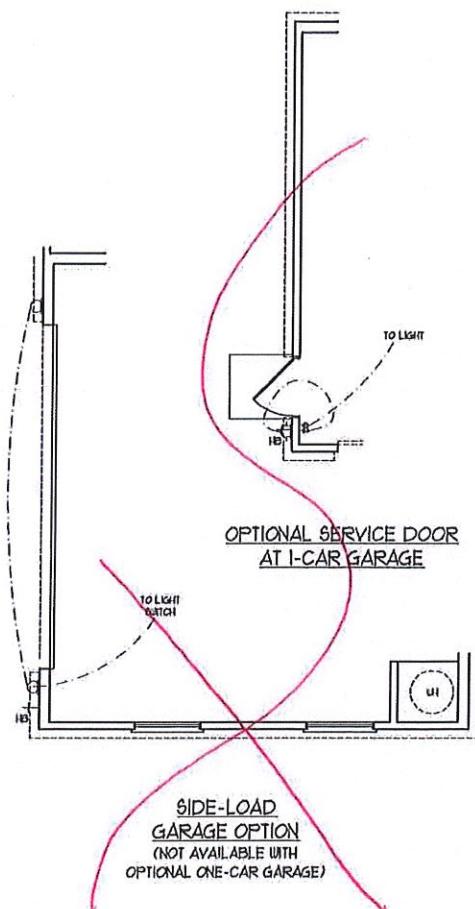
ELECTRICAL LEGEND

	120 V OUTLET
	WALL MOUNT LIGHT
	CEILING MOUNT LIGHT
	PENDANT LIGHT
	RECESSED CAN LIGHT
	HX CAN LIGHT
	EYEBALL LIGHT
	FLUORESCENT LIGHT
	2 LAMP, 4' FLUORESCENT LIGHT
	FLOOD LIGHT
	SWITCH
	3-WAY SWITCH
	4-WAY SWITCH
	DIMMER SWITCH
	CONDUIT FOR COMPONENT WIRES
	BREAKER
	DOORBELL CHIME
	NO V SMOKE DETECTOR
	CO DETECTOR
	EXHAUST FAN
	LOW VOLTAGE PANEL
	CEILING FAN
	CEILING FAN W/ LIGHT

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 RALEIGH, NC 27609
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 FAX: (919) 884-9923
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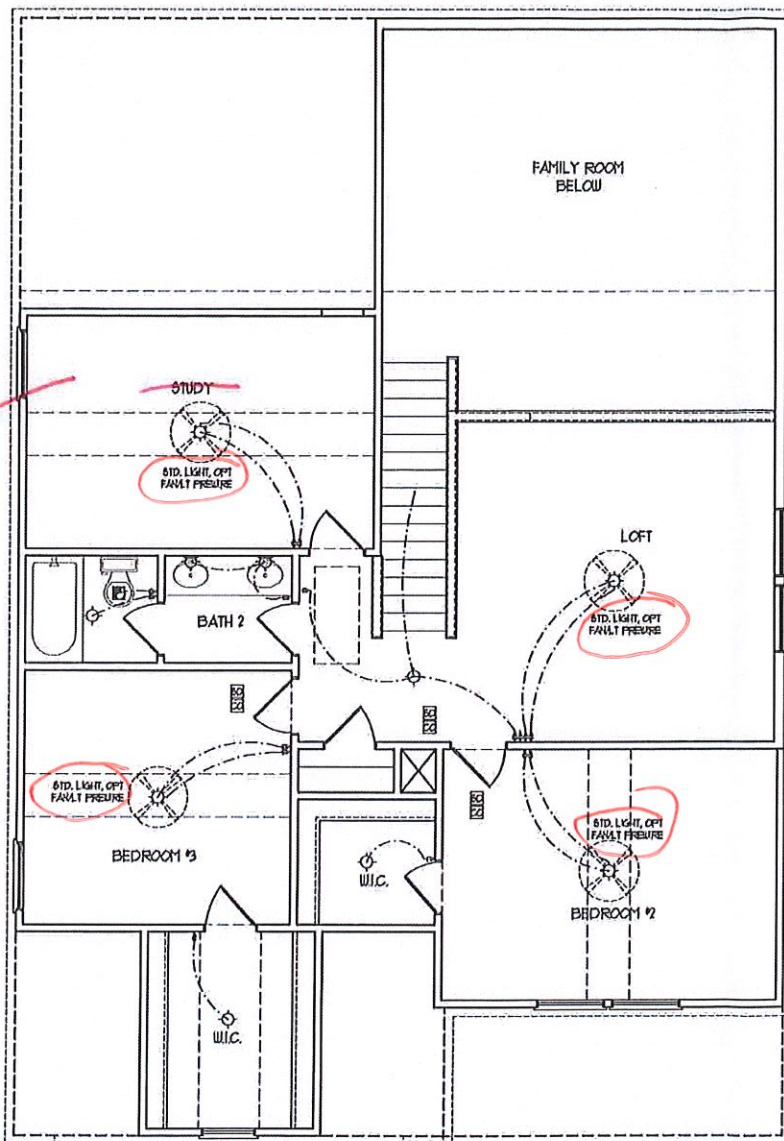
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 JORDAN

DATE: MARCH 15, 2019
 REV.: MAY 01, 2020
 SCALE: 1/4"=1'-0"
 DRAWN BY:
 ENGINEERED BY:
 REVIEWED BY:
 FIRST FLOOR ELECTRICAL OPTIONS

JB

E-1.1

see bed#4
opt.



SECOND FLOOR PLAN
(A-1, B-1, AND C-1)



OPTIONAL WINDOW BOX AT
BEDROOM 2
(ELEVATION C ONLY)

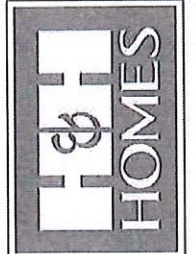
ELECTRICAL LAYOUT NOTES:

- 1) BLOCK AND USE FOR ALL CEILING FANS PER PLAN
- 2) VANTY LIGHTS TO BE SET @ 50' AFF. (TYP)
- 3) ADDITIONAL EXTERIOR OUTLETS REQUIRED BY CODE TO BE LOCATED BY ELECTRICIAN
- 4) PLACE SWITCHES 6" FROM ROUGH OPENING

ELECTRICAL LEGEND

	120 V OUTLET
	WALL MOUNT LIGHT
	CEILING MOUNT LIGHT
	PENDANT LIGHT
	RECESSED CAN LIGHT
	HXN CAN LIGHT
	EYEBALL LIGHT
	FLUORESCENT LIGHT
	2 LAMP, 4' FLUORESCENT LIGHT
	FLOOD LIGHT
	SWITCH
	3-WAY SWITCH
	4-WAY SWITCH
	DIMMER SWITCH
	CONDUIT FOR COMPONENT WIRING
	SPEAKER
	DOORBELL CHIME
	NO V SMOKE DETECTOR
	CO DETECTOR
	EXHAUST FAN
	LOW VOLTAGE PANEL
	CEILING FAN
	CEILING FAN w/ LIGHT

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RALEIGH, NC 27603
PHONE: (919) 889-9919
FAX: (919) 889-0211
N.C. LICENSE NO. C-1113

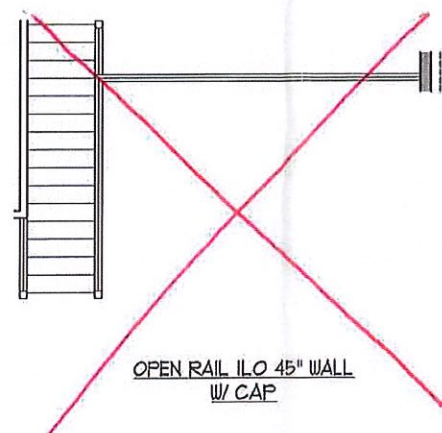
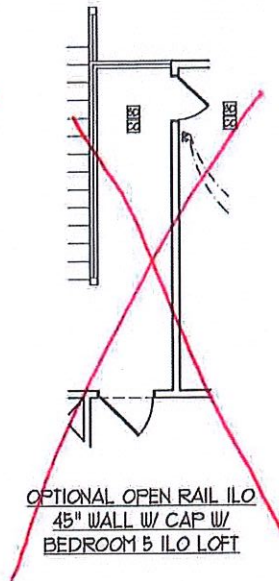
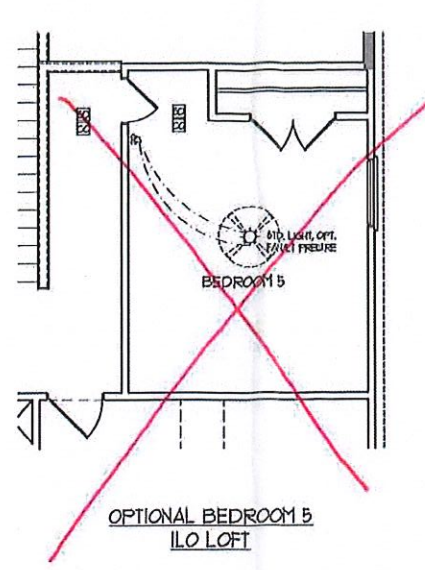
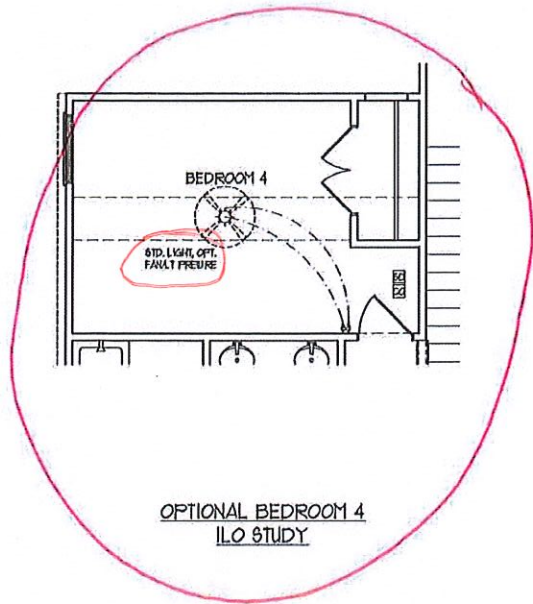


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SCALE: 1/4" = 1'-0"
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ENGINEERED BY:
REVIEWED BY:
SECOND FLOOR ELECTRICAL PLAN
E-2

JB



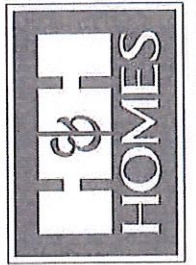
ELECTRICAL LAYOUT NOTES:

- 1) BLOCK AND WIRE FOR ALL CEILING FAN PER PLAN
- 2) VANITY LIGHTS TO BE SET # 50' AFF. (TYP)
- 3) ADDITIONAL EXTERIOR OUTLETS REQUIRED BY CODE TO BE LOCATED BY ELECTRICIAN
- 4) PLACE SWITCHES 6" FROM FINISH ROUGH OPENING

ELECTRICAL LEGEND

	10 V OUTLET
	WALL MOUNT LIGHT
	CEILING MOUNT LIGHT
	PENDANT LIGHT
	RECESSED CAN LIGHT
	IFS CAN LIGHT
	EYEBALL LIGHT
	FLUORESCENT LIGHT
	2 LAMP, 4' FLUORESCENT LIGHT
	FLOOD LIGHT
	SWITCH
	3-WAY SWITCH
	4-WAY SWITCH
	DIMMER SWITCH
	CONDUIT FOR COFFERED RISERS
	SPEAKER
	DOORBELL CHIME
	NO V SMOKE DETECTOR
	CO DETECTOR
	EXHAUST FAN
	LOW VOLTAGE PANEL
	CEILING FAN
	CEILING FAN W/ LIGHT

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JORDAN

DATE: MARCH 15, 2019
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 SCALE: 1/4" = 1'-0"
 DRAWN BY:
 ENGINEERED BY:
 REVIEWED BY:
 SECOND FLOOR ELECTRICAL OPTIONS
 E-2.1

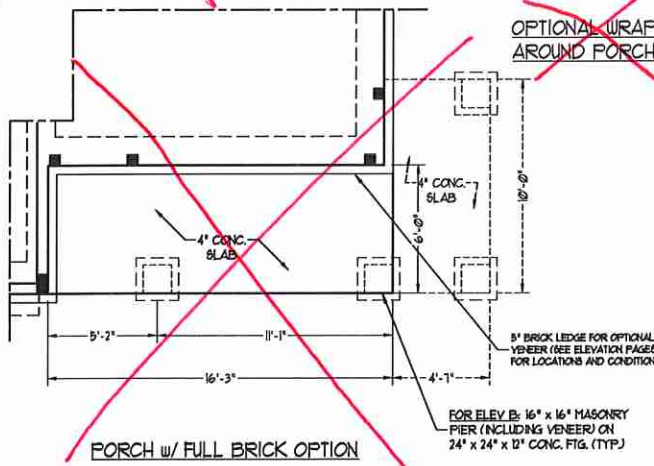
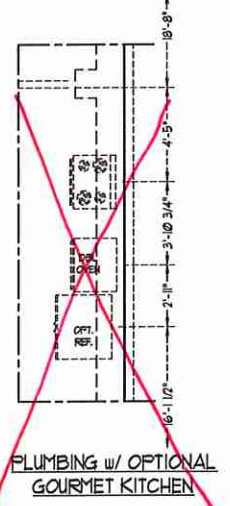
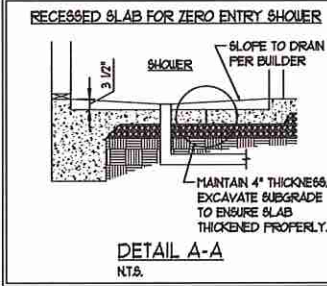
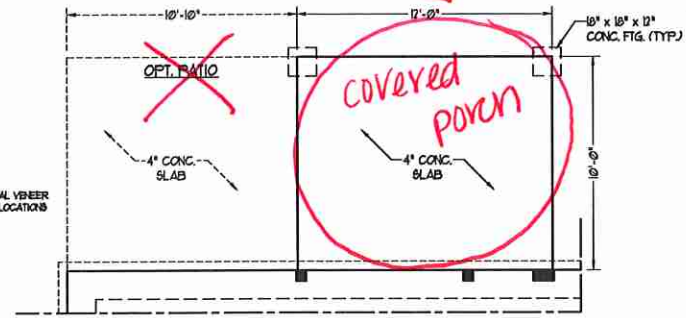
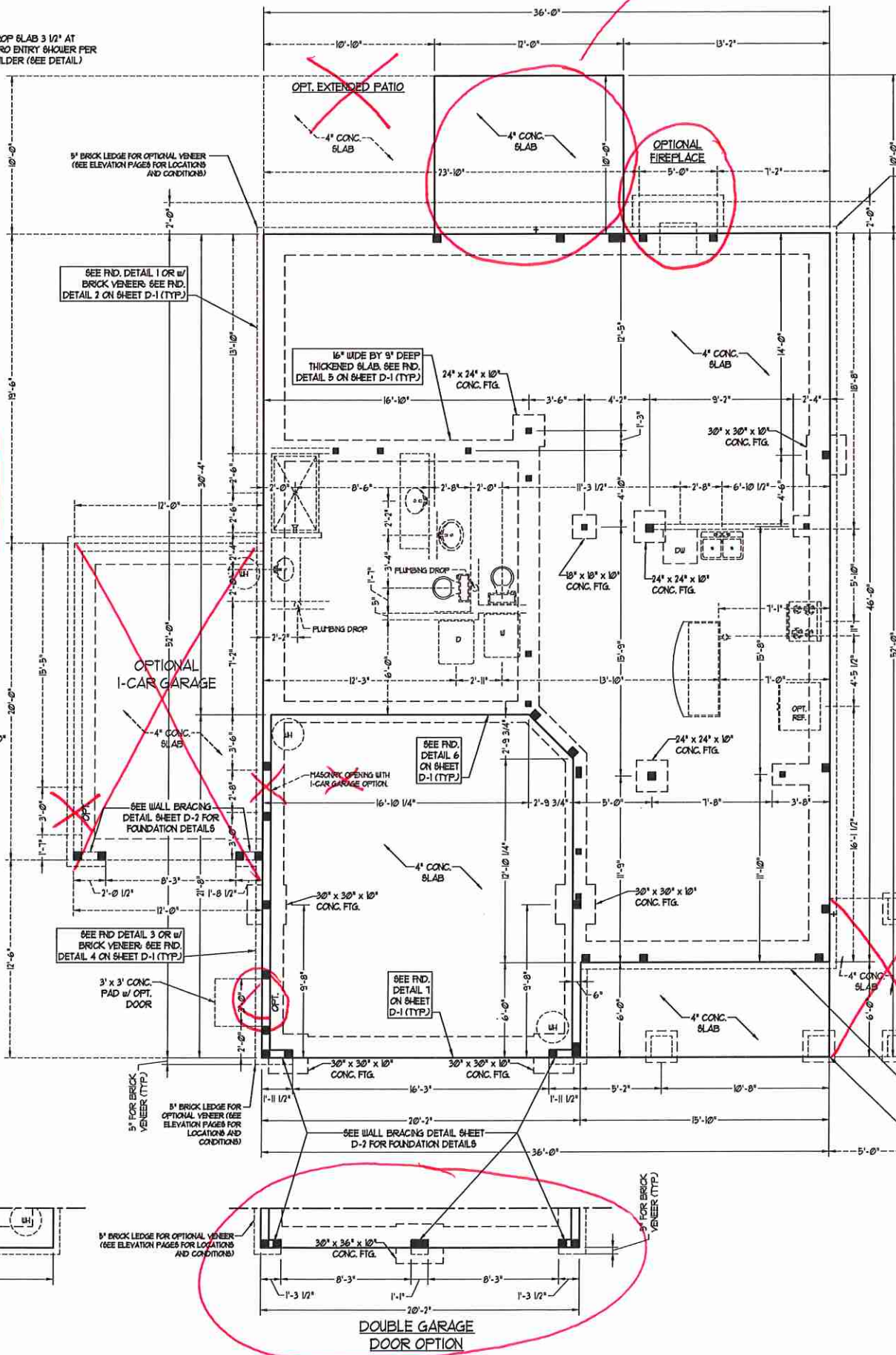
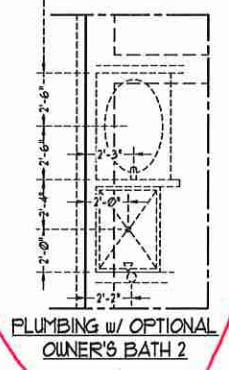
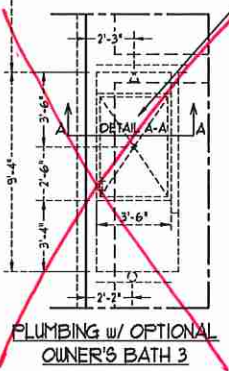
JB

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

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
- STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION WITH SPECIAL CONSIDERATION TO CHAPTER 45 (HIGH WIND ZONES) FOR 50 MPH WINDS.
- BUILDER IS TO PROVIDE FRAMING CONNECTIONS AS REQUIRED BY CHAPTER 45 (HIGH WIND ZONES) FOR 50 MPH WINDS OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- FOUNDATION ANCHORAGE TO COMPLY WITH SECTION 1604 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
- WALL CLADDING DESIGNED FOR 4.3 PSF AND -30 PSF (-). INDICATE POSITIVE / NEGATIVE PRESSURE (TYP).
- ROOF CLADDING DESIGNED FOR 42.3 PSF AND -38 PSF FOR ROOF PITCHES 1/2 TO 0/12 AND 44 PSF AND -51 PSF FOR ROOF PITCHES 2/12 TO 1/12.
- 1/2" OSB SHEATHING IS REQUIRED ON ALL EXTERIOR WALLS.
- WALLS TO BE BRACED IN ACCORDANCE WITH SECTION 1602.3 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION AND AS NOTED ON PLANS.
- ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 8 OF THE NRC, 2018 EDITION.

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

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
- STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- INSTALL 1/2" ANCHOR BOLTS 6"-10" O.C. AND WITHIN 1'-0" FROM END OF EACH CORNER. ANCHOR BOLTS MUST EXTEND A MINIMUM OF 1" INTO MASONRY OR CONCRETE. LOCATE BOLT WITHIN MIDDLE THIRD OF PLATE WIDTH. MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
- EXTERIOR WALLS DESIGNED FOR 50 MPH WIND.
- WALL CLADDING DESIGNED FOR 4.5 PSF AND -30 PSF (-). INDICATE POSITIVE / NEGATIVE PRESSURE (TYP).
- ROOF CLADDING DESIGNED FOR 43 PSF AND -38 PSF FOR ROOF PITCHES 1/2 TO 0/12 AND 40 PSF AND -36 PSF FOR ROOF PITCHES 2/12 TO 1/12.
- INSTALL 1/2" OSB SHEATHING ON ALL EXTERIOR WALLS OF ALL STORES IN ACCORDANCE WITH SECTION 1602.3 OF THE NRC, 2018 EDITION. SEE THE WALL BRACING NOTES AND DETAILS SHEET FOR MORE INFORMATION.
- ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 8 OF THE NRC, 2018 EDITION.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.



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 N.C. LICENSE NO.: C-17133

JORDAN H&H HOMES, INC.

DATE: NOVEMBER 5, 2020
 SCALE: 1/4" = 1'-0"
 DRAWN BY: RENAISSANCE RESIDENTIAL DESIGN
 ENGINEERED BY: WFB

SEAL
 33738
 11/6/2020

SHEET 1 OF 10
 S-1.1
 MONO SLAB
 FOUNDATION PLAN

BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R602.10 OF THE NRC 2018 EDITION.
- CS-USP REFERS TO "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/8" 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 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 12" 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 NRC 2018 EDITION.
- SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

NOTE:

- PER SECTION R602.10.4.6 OF THE 2018 NRC, THE AMOUNT OF BRACING REQUIRED ON THE WALK OUT BASEMENT WALLS EXCEEDS THE AMOUNT OF BRACING ON THE WALL ABOVE MULTIPLIED BY A FACTOR OF 1.5.
- SHEATH ALL EXTERIOR WALLS WITH 1/8" OSB SHEATHING ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

STRUCTURAL NOTES:

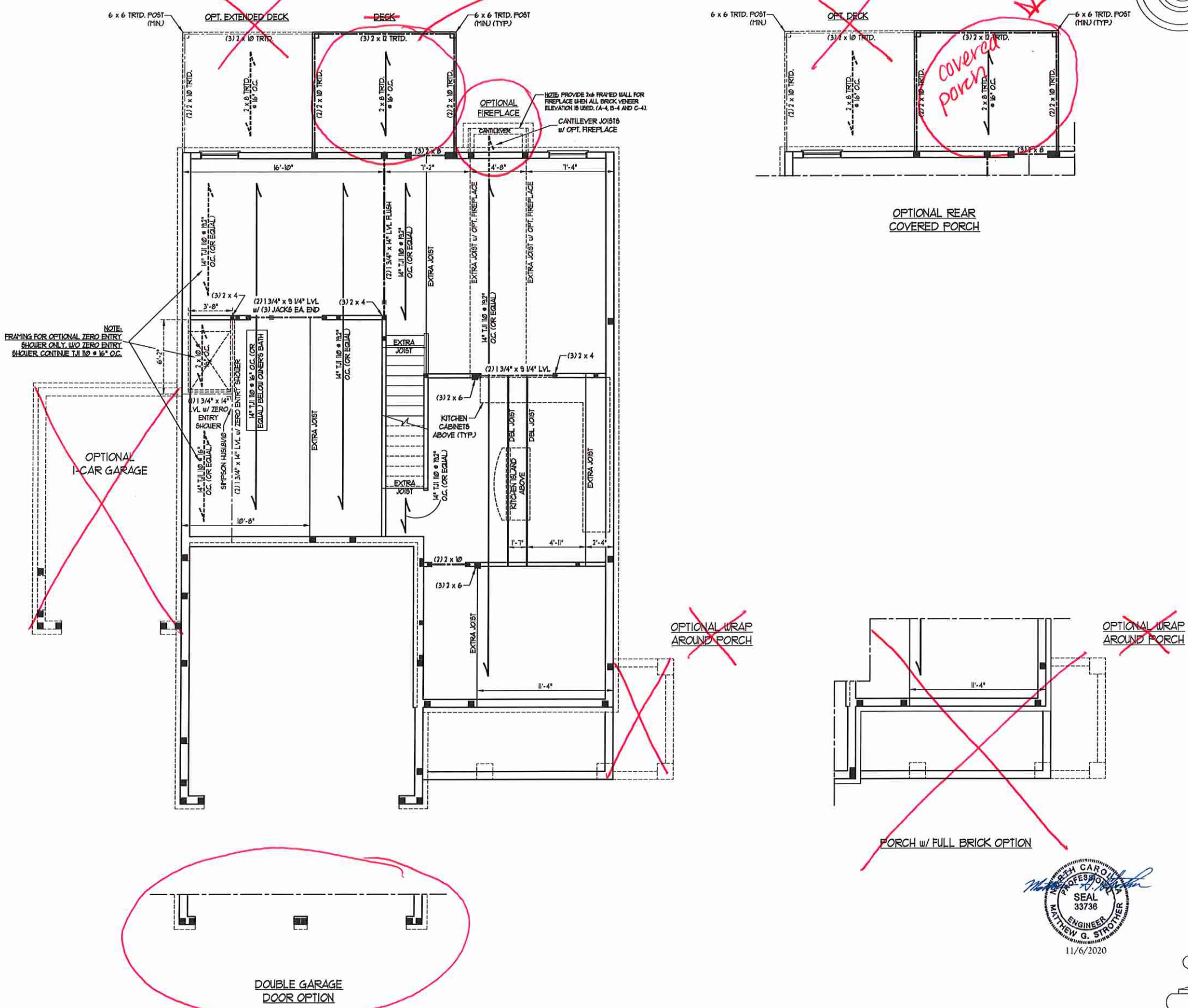
- ALL FRAMING LUMBER TO BE #2 SFF (INO).
- ALL LOAD BEARING HEADERS TO BE (3) 2 x 8 (INO).
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SUPPORT UNSPECIFIED PT. LOADS ALONG FRAMED WALLS w/ (2) STUDS (INO).
- INSTALL AN EXTRA JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS WHERE NOTED ON THE PLANS.
- STEP POURED FOUNDATION WALL DOWN TO 2 x 6 x 16" O.C. STUD WALL AS GRADE PERMITS.
- ALL LOAD BEARING INTERIOR WALLS TO BE 2 x 4 @ 12" O.C. OR 2 x 6 @ 16" O.C. (INO).
- FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 1/8" OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
- FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING 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 BILL PLATES THEIR FULL DEPTH.
- 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) (INO). ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS AT TOP (INO).
- FOR FIBERGLASS, ALUMINUM, OR COLUMN ENDS BY OTHERS, SECURE TO SLAB w/ (2) METAL ANGLES USING 2" CONC. SCREWS. FASTEN ANGLES 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.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

LINTEL SCHEDULE FOR BRICK/NATURAL STONE SUPPORT

LENGTH (FT.)	SIZE OF LINTEL
UP TO 4 FT.	L 3 1/2 x 3 1/2 x 1/4
4-8	L 5 x 3 1/2 x 5/16 LLV
8 AND GREATER	L 6 x 4 x 5/16 LLV

BRICK SUPPORT NOTES:

- LINTEL SCHEDULE APPLIES TO ALL OPENINGS IN BRICK VENEER (INO). SEE ARCH DWGS. FOR SIZE AND LOCATION OF OPENINGS.
- (LLV) = LONG LEG VERTICAL
- LENGTH = CLEAR OPENING
- EMBED ALL ANGLE IRONS MIN. 4" EACH SIDE INTO VENEER TO PROVIDE BEARING.
- FOR ALL HEADERS 8"-10" AND GREATER IN LENGTH, ATTACH STEEL ANGLE TO HEADER w/ 1/2" LAG SCREWS @ 12" O.C. STAGGERED.
- FOR ALL BRICK SUPPORT @ ROOF LINES, FASTEN (2) 2 x 10 BLOCKING BETWEEN STUDS w/ (4) 10d NAILS PER PLY. FASTEN A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING w/ (2) 1/2" LAG SCREWS @ 12" O.C. STAGGERED. SEE SECTION R103.2.2 OF THE 2018 NRC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
- PRECAST REINFORCED CONCRETE LINTELS ENGINEERED BY OTHERS MAY BE USED IN LIEU OF STEEL LINTELS.



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JORDAN H&H HOMES, INC.

DATE: NOVEMBER 5, 2020
 SCALE: 1/4" = 1'-0"
 DRAWN BY: RENAISSANCE RESIDENTIAL DESIGN
 ENGINEERED BY: WFB

SHEET 5 OF 10
 S-1.4a
 FIRST FLOOR FRAMING PLAN



LINTEL SCHEDULE FOR BRICK/NATURAL STONE SUPPORT

LENGTH (FT.)	SIZE OF LINTEL
UP TO 4 FT.	L 3 1/2 x 3 1/2 x 1/4
4-8	L 5 x 3 1/2 x 5/16 LLV
8 AND GREATER	L 6 x 4 x 5/16 LLV

- BRICK SUPPORT NOTES:**
- LINTEL SCHEDULE APPLIES TO ALL OPENINGS IN BRICK VENEER (UNO). SEE ARCH DWS. FOR SIZE AND LOCATION OF OPENINGS.
 - (LLV) = LONG LEG VERTICAL.
 - LENGTH = CLEAR OPENING.
 - EMBED ALL ANGLE IRONS MIN. 4" EACH SIDE INTO VENEER TO PROVIDE BEARING.
 - FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, ATTACH STEEL ANGLE TO HEADER w/ 1/2" LAG SCREWS @ 12" O.C. STAGGERED.
 - FOR ALL BRICK SUPPORT = ROOF LINES, FASTEN (2) 2 x 10 BLOCKING BETWEEN STUDS w/ (4) 10d NAILS PER FLY. FASTEN A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING w/ (2) 1/2" LAG SCREWS @ 12" O.C. STAGGERED. SEE SECTION R1030.21 OF THE 2018 NRC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
 - PRECAST REINFORCED CONCRETE LINTELS ENGINEERED BY OTHERS MAY BE USED IN LIEU OF STEEL LINTELS.

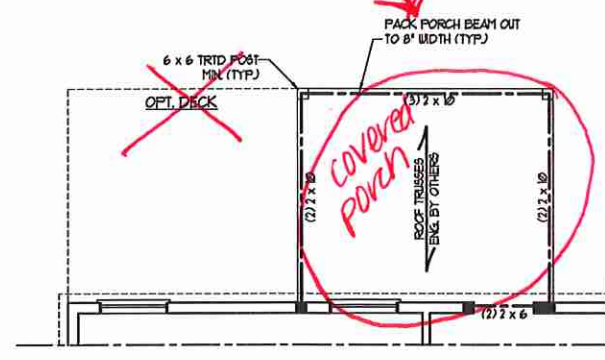
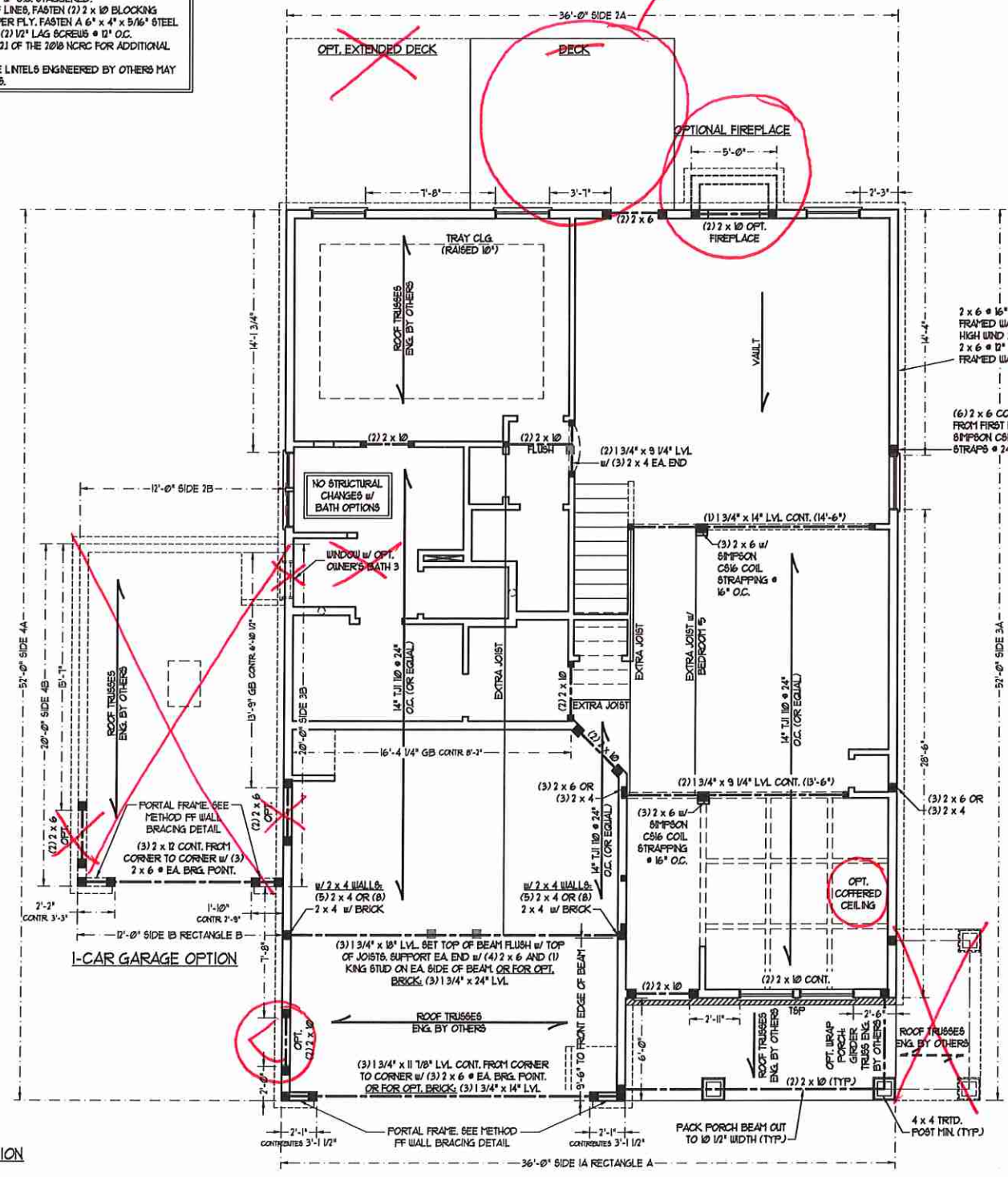
NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 @ 16" O.C. (UNO). 2 x 4 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 6 WALLS (UNO). ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. (UNO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (UNO).

- STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE 50% F1 (UNO). ALL TREATED LUMBER TO BE 50% F1 (UNO).
 - ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO).
 - INSTALL AN EXTRA JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS WHERE NOTED ON THE PLANS.
 - WINDOW AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (UNO). SEE TABLE R602.15 FOR ADDITIONAL KING STUD REQUIREMENTS.
 - SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO).
 - FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 1/2" OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
 - FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROWS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND 1" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FULL DEPTH.
 - ALL 4 x 4 POSTS SHALL BE ANCHORED TO SLABS w/ 50MPN ABU44 POST BASES (OR EQUAL) AND 6 x 6 POSTS w/ ABU66 POST BASES (OR EQUAL) (UNO). ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 1000 LB CAPACITY UPLIFT CONNECTORS AT TOP (UNO).
 - FOR FIBERGLASS, ALUMINUM, OR COLUMN ENG. BY OTHERS, SECURE TO SLAB w/ (2) METAL ANGLE USING 2" CONC. SCREWS, FASTEN ANGLE TO COLUMN w/ 1/4" THROUGH BOLTS w/ NUTS AND WASHERS. LOCATE ANGLE ON OPPOSITE SIDES OF COLUMN. THROUGH BOLTS MUST BE INSTALLED PRIOR TO SETTING COLUMN.
 - REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

TABLE R602.15
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES) (FER TABLE R602.15)	
	16	24
UP TO 3'	1	1
4'	2	1
6'	3	2
8'	5	3
16'	6	4

SIDE-LOAD GARAGE OPTION
(NOT AVAILABLE WITH OPTIONAL ONE-CAR GARAGE)



OPTIONAL REAR COVERED PORCH

BRACED WALL DESIGN

RECTANGLE A		RECTANGLE B	
SIDE 1A (FRONT LOAD)	SIDE 1B	SIDE 2A	SIDE 2B
METHOD: C5-W5P/FF/GB	METHOD: C5-W5P/FF	METHOD: C5-W5P	METHOD: C5-W5P
TOTAL REQUIRED LENGTH: 16'	TOTAL REQUIRED LENGTH: 32'	TOTAL REQUIRED LENGTH: 16'	TOTAL REQUIRED LENGTH: 32'
TOTAL PROVIDED LENGTH: 18.03'	TOTAL PROVIDED LENGTH: 6'	TOTAL REQUIRED LENGTH: 10.5'	TOTAL PROVIDED LENGTH: 17'
SIDE 3A	SIDE 3B / SIDE 4A CUMULATIVE	SIDE 3B / SIDE 4A CUMULATIVE	SIDE 4B
METHOD: C5-W5P	METHOD: C5-W5P/GB	METHOD: C5-W5P/GB	METHOD: C5-W5P
TOTAL REQUIRED LENGTH: 16'	TOTAL REQUIRED LENGTH: 13.4'	TOTAL REQUIRED LENGTH: 13.4'	TOTAL REQUIRED LENGTH: 30.6'
TOTAL PROVIDED LENGTH: 18.5'	TOTAL PROVIDED LENGTH: 30.6'	TOTAL PROVIDED LENGTH: 30.6'	TOTAL PROVIDED LENGTH: 30.6'
SIDE 3A	SIDE 4B	SIDE 4B	SIDE 4B
METHOD: C5-W5P	METHOD: C5-W5P	METHOD: C5-W5P	METHOD: C5-W5P
TOTAL REQUIRED LENGTH: 11.4'	TOTAL REQUIRED LENGTH: 2'	TOTAL REQUIRED LENGTH: 2'	TOTAL REQUIRED LENGTH: 2'
TOTAL PROVIDED LENGTH: 11.4'	TOTAL PROVIDED LENGTH: 2'	TOTAL PROVIDED LENGTH: 2'	TOTAL PROVIDED LENGTH: 2'

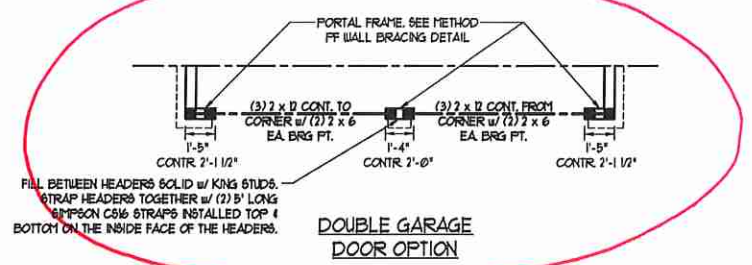
- BRACED WALL DESIGN NOTES:**
- BRACED WALL DESIGN PER SECTION R602.10 OF THE NRC 2018 EDITION.
 - C5-W5P REFERS TO "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/2" OSB ON ALL EXTERIOR WALLS ATTACHED w/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
 - GB REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL 1/2" (MIN) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 12" 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 NRC 2018 EDITION.
 - SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

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JORDAN H&H HOMES, INC.

DATE: NOVEMBER 5, 2020
SCALE: 1/4" = 1'-0"
DRAWN BY: RENAISSANCE RESIDENTIAL DESIGN
ENGINEERED BY: WFB

SHEET 6 OF 10
S-2
SECOND FLOOR FRAMING PLAN



DOUBLE GARAGE DOOR OPTION

- BRACED WALL DESIGN NOTES:**
- BRACED WALL DESIGN PER SECTION R602.10 OF THE NRC 2018 EDITION.
 - CS-WSF REFERS TO "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/2" OSB ON ALL EXTERIOR WALLS ATTACHED w/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
 - CSB REFERS TO "GYPSUM BOARD" CONTRACTOR IS TO INSTALL 1/2" (MIN) GYPSUM WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GS WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 12" 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 NRC 2018 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 @ 16" O.C. (UNO). 2 x 4 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 6 WALLS (UNO). ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. (UNO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (UNO).

- NOTE:**
- PER SECTION R602.10.3.2 OF THE 2018 NRC, 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 1/2" OSB SHEATHING ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

LINTEL SCHEDULE FOR BRICK/NATURAL STONE SUPPORT

LENGTH (FT.)	SIZE OF LINTEL
UP TO 4 FT.	L 3 1/2 x 3 1/2 x 1/4
4-8	L 5 x 3 1/2 x 5/16 LLY
8 AND GREATER	L 6 x 4 x 5/16 LLY

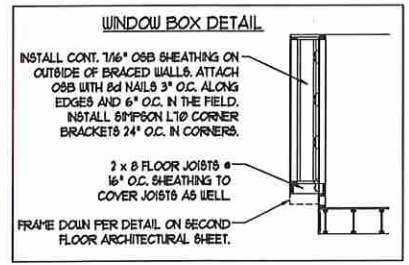
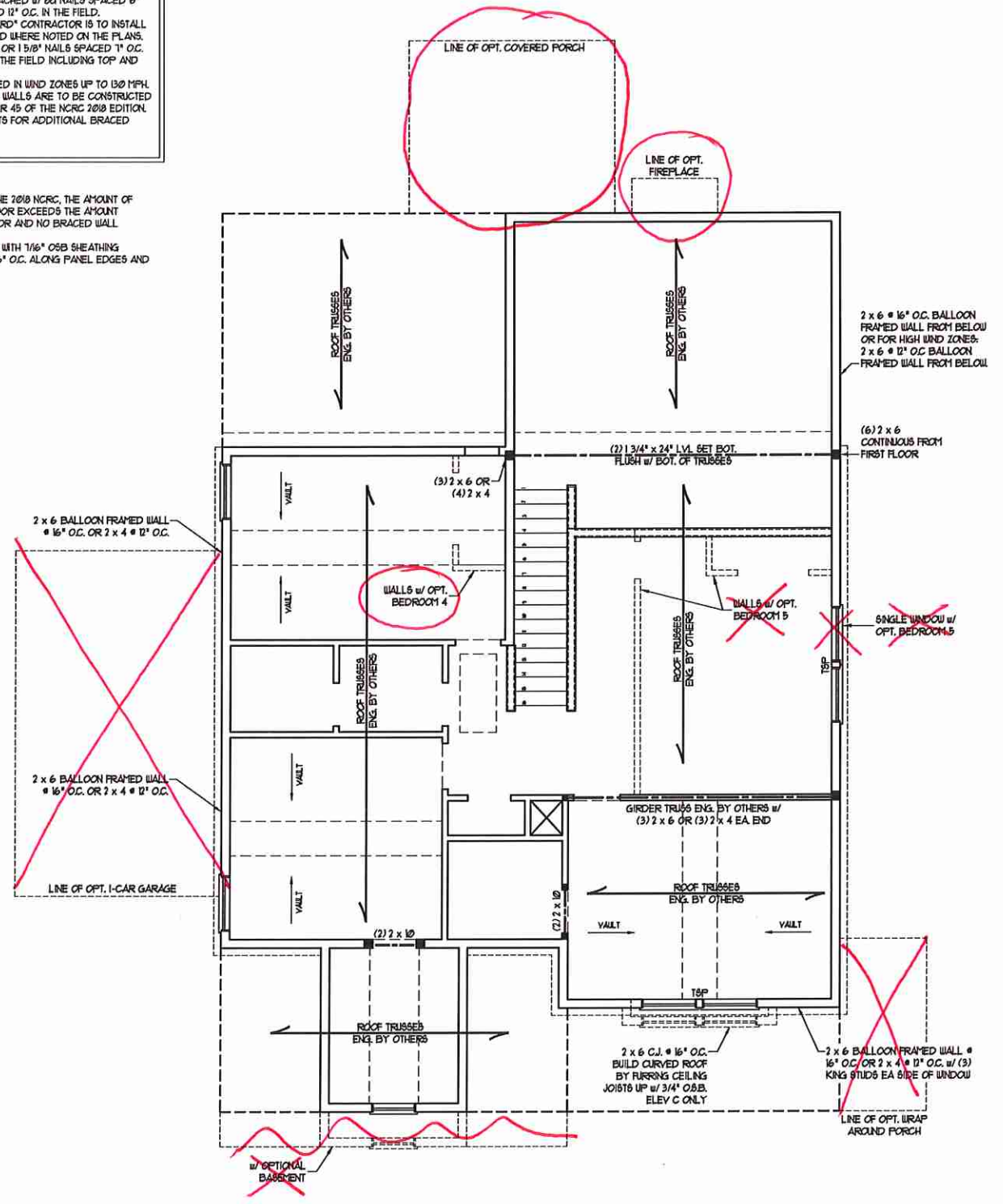
- BRICK SUPPORT NOTES:**
- LINTEL SCHEDULE APPLIES TO ALL OPENINGS IN BRICK VENEER (UNO). SEE ARCH DUGS. FOR SIZE AND LOCATION OF OPENINGS.
 - (LLV) = LONG LEG VERTICAL
 - LENGTH = CLEAR OPENING
 - SPREAD ALL ANGLE IRONS 1/4" EACH SIDE INTO VENEER TO PROVIDE BEARING
 - FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, ATTACH STEEL ANGLE TO HEADER w/ 1/2" LAG SCREWS @ 12" O.C. STAGGERED.
 - FOR ALL BRICK SUPPORT @ ROOF LINES, FASTEN (2) 2 x 10 BLOCKING BETWEEN STUDS w/ (4) 8d NAILS PER PLY. FASTEN A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING w/ (2) 1/2" LAG SCREWS @ 12" O.C. STAGGERED. SEE SECTION R103.8.21 OF THE 2018 NRC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
 - PRECAST REINFORCED CONCRETE LINTELS ENGINEERED BY OTHERS MAY BE USED IN LIEU OF STEEL LINTELS.

- STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE SPF # (UNO). ALL TREATED LUMBER TO BE SYP # (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 R602.15 FOR ADDITIONAL KING STUD REQUIREMENTS.
 - SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO).
 - FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 1/2" OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
 - FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROWS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND 1" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FULL DEPTH.
 - REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

TSP INDICATES TRIPLE STUD POCKET BETWEEN WINDOW UNITS.

TABLE R602.15
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES) (PER TABLE R602.15)	
	16"	24"
UP TO 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4



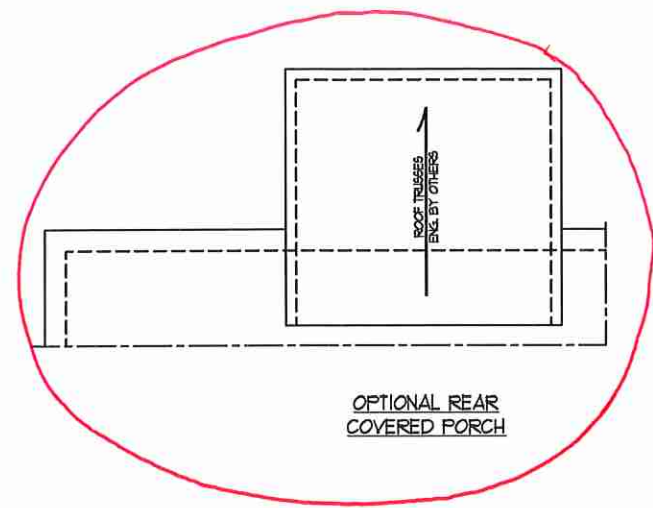
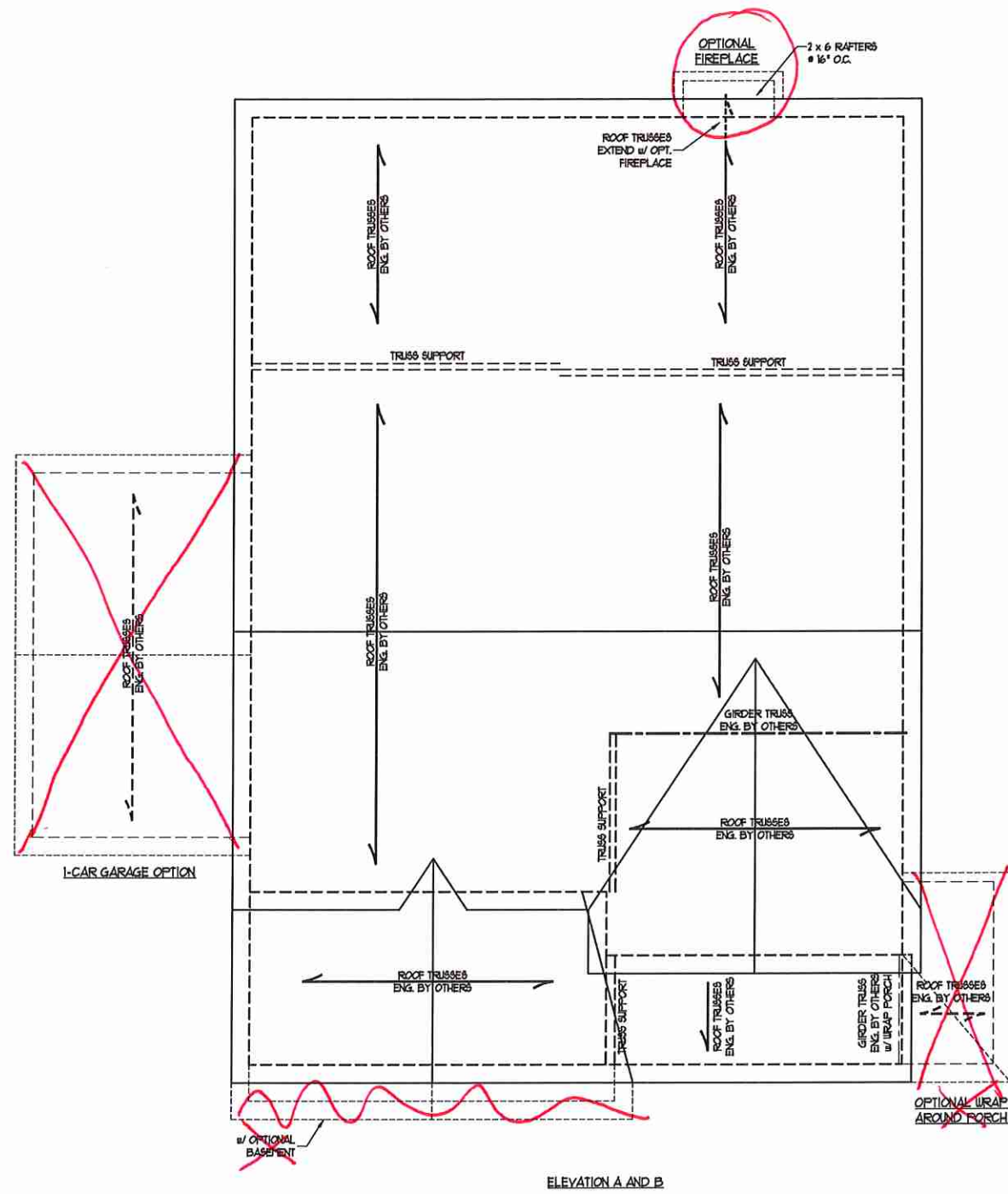
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N.C. LICENSE NO.: C-1733

JORDAN
H&H HOMES, INC.

DATE: NOVEMBER 5, 2020
SCALE: 1/4" = 1'-0"
DRAWN BY: RENAISSANCE RESIDENTIAL DESIGN
ENGINEERED BY: WFB

SHEET 8 OF 10
S-3
CEILING FRAMING PLAN

11/6/2020



BRICK SUPPORT NOTE:

1. FASTEN (2) 2 x 10 BLOCKING BETWEEN WALL STUDS w/ (4) 10d NAILS PER PLY. FASTEN A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING w/ (2) 1/2" LAG SCREWS @ 12" O.C. STAGGERED. SEE SECTION R103.821 OF THE 2018 NRC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
2. WHERE ROOF SLOPES EXCEED 1/12, INSTALL 3" x 3" x 1/4" STEEL PLATE STOPS AT 24" O.C. PER SECTION R103.821 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.

STRUCTURAL NOTES:

1. ALL FRAMING LUMBER TO BE #2 SFF (IND).
2. CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF SUPPORT.
3. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS.
4. HIP SPLICES ARE TO BE SPACED A MIN. OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 10d NAILS @ 16" O.C. (TYP).
5. STICK FRAME OVER-FRAMED ROOF SECTIONS w/ 2 x 8 RIDGES, 2 x 6 RAFTERS @ 16" O.C. AND FLAT 2 x 10 VALLEYS OR USE VALLEY TRUSSES.
6. FASTEN FLAT VALLEYS TO RAFTERS OR TRUSSES WITH SIMPSON H25A HURRICANE TIES @ 32" O.C. MAX. PASS HURRICANE TIES THROUGH NOTCH IN ROOF SHEATHING. EACH RAFTER IS TO BE FASTENED TO THE FLAT VALLEY WITH A MIN. OF (6) 10d TOE NAILS.
7. REFER TO SECTION R802.1 OF THE 2018 NRC FOR REQUIRED UPLIFT RESISTANCE AT RAFTERS AND TRUSSES.
8. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

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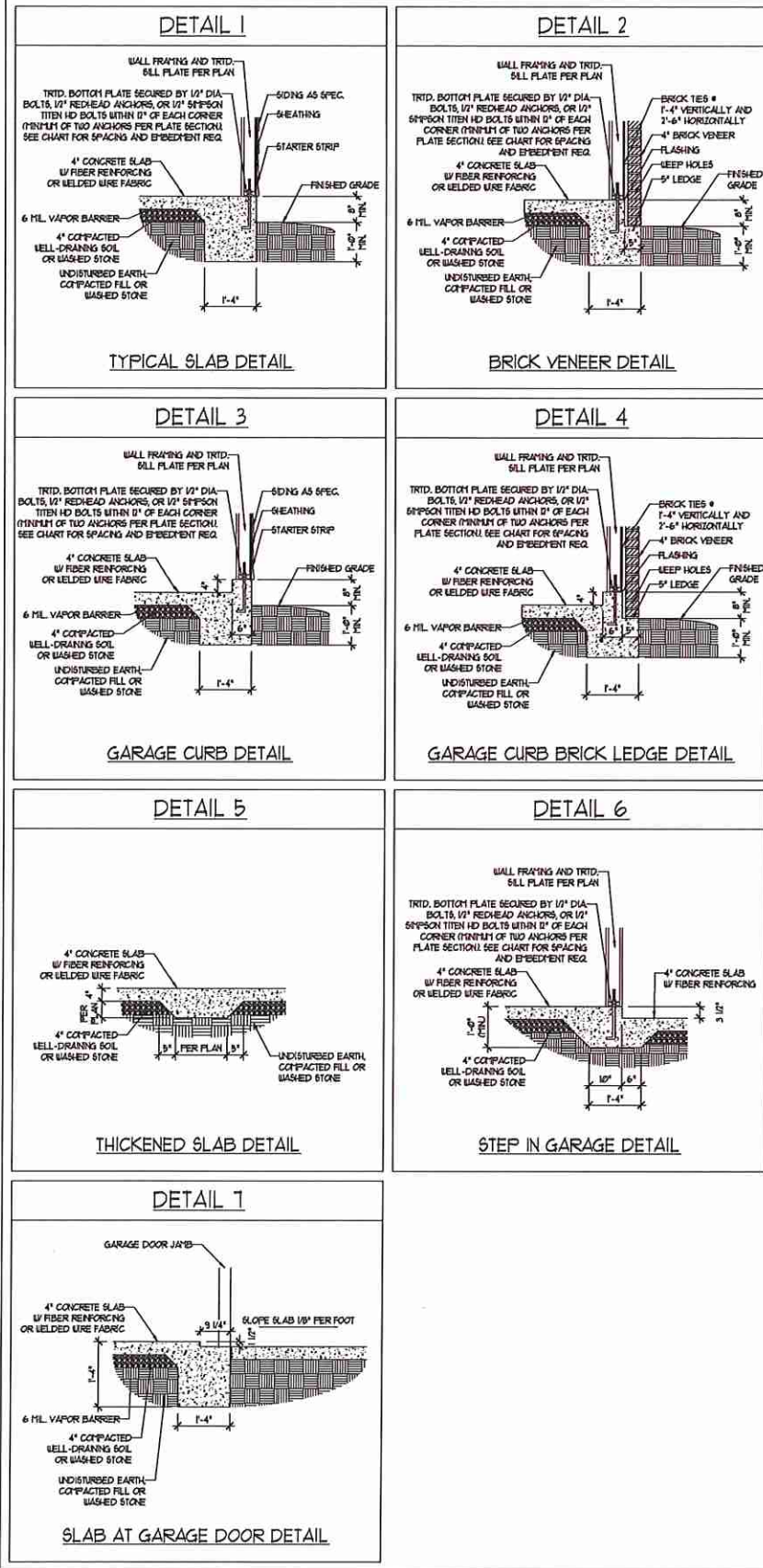
JORDAN H&H HOMES, INC.

DATE: NOVEMBER 5, 2020
 SCALE: 1/4" = 1'-0"
 DRAWN BY: RENAISSANCE RESIDENTIAL DESIGN
 ENGINEERED BY: WFB

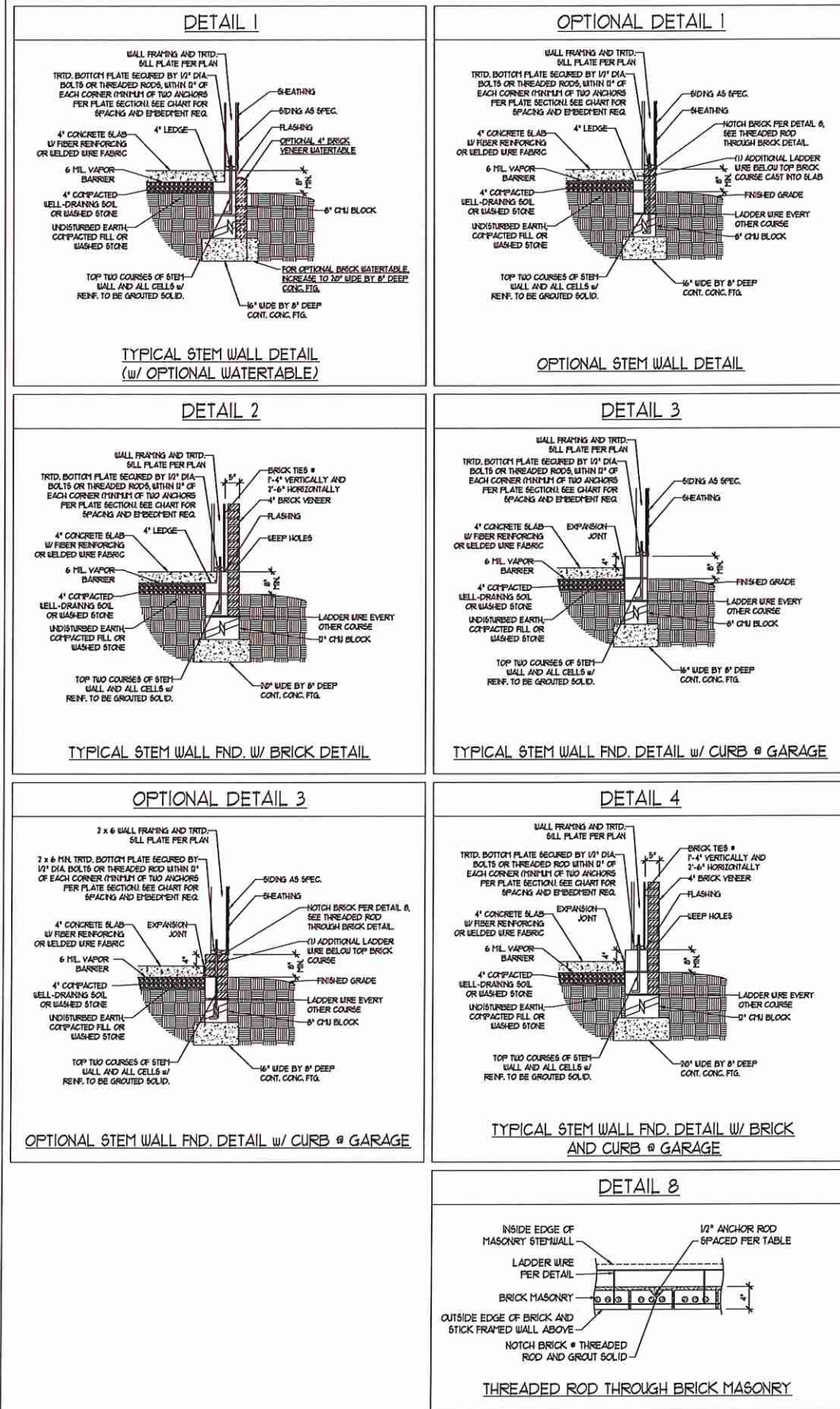
SEAL
 33736
 ENGINEER
 MATTHEW G. STROTHER
 11/6/2020

SHEET 9 OF 10
 S4a
 ROOF FRAMING PLAN

MONOLITHIC SLAB DETAILS



STEMWALL DETAILS



MASONRY STEMWALL SPECIFICATIONS

WALL HEIGHT (FEET)	MASONRY WALL TYPE			
	8" CMU	4" BRICK AND 4" CMU	4" BRICK AND 8" CMU	12" CMU
2 AND BELOW	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
3	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
4	GROUT SOLID	GROUT SOLID w/ #4 REBAR @ 48" O.C.	GROUT SOLID	GROUT SOLID w/ #4 REBAR @ 64" O.C.
5	GROUT SOLID w/ #4 REBAR @ 36" O.C.	NOT APPLICABLE	GROUT SOLID w/ #4 REBAR @ 36" O.C.	GROUT SOLID w/ #4 REBAR @ 64" O.C.
6	GROUT SOLID w/ #4 REBAR @ 24" O.C.	NOT APPLICABLE	GROUT SOLID w/ #4 REBAR @ 24" O.C.	GROUT SOLID w/ #4 REBAR @ 64" O.C.
7 AND GREATER	ENGINEERED DESIGN BASED ON SITE CONDITIONS			

STRUCTURAL NOTES:

1. WALL HEIGHT MEASURED FROM TOP OF FOOTING TO TOP OF THE WALL.
2. THE MULTIPLE WYTHES TOGETHER WITH LADDER WIRE AT 16" O.C. VERTICALLY.
3. CHART APPLICABLE FOR HOUSE FOUNDATION ONLY, CONSULT ENGINEER FOR DESIGN OF GARAGE FOUNDATION NOT COMMON TO HOUSE.
4. BACKFILL OF CLEAN #1 / #1 WASHED STONE IS ALLOWABLE.
5. BACKFILL OF CLEAN #1 / #1 WASHED SAND - GRAVEL MIXTURE SOILS (AS PER FT BELOW GRADE) CLASSIFIED AS GROUP 1 ACCORDING TO UNIFIED SOILS CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE 8.05.1 OF THE 2018 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.
6. PREP SLAB PER 1908.2.1 AND 1908.2.2 BASE OF THE 2018 INTERNATIONAL RESIDENTIAL CODE. MINIMUM 24" LAP SPLICE LENGTH.
7. LOCATE REBAR IN CENTER OF FOUNDATION WALL.
8. WHERE REQUIRED, FILL BLOCK SOLID WITH TYPE "S" MORTAR OR 3000 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	120 MPH	130 MPH
SPACING	6'-0" O.C.	4'-0" O.C.
EMBEDMENT	1'	15" INTO MASONRY 1" INTO CONCRETE

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120 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED
 FOUNDATION DETAILS

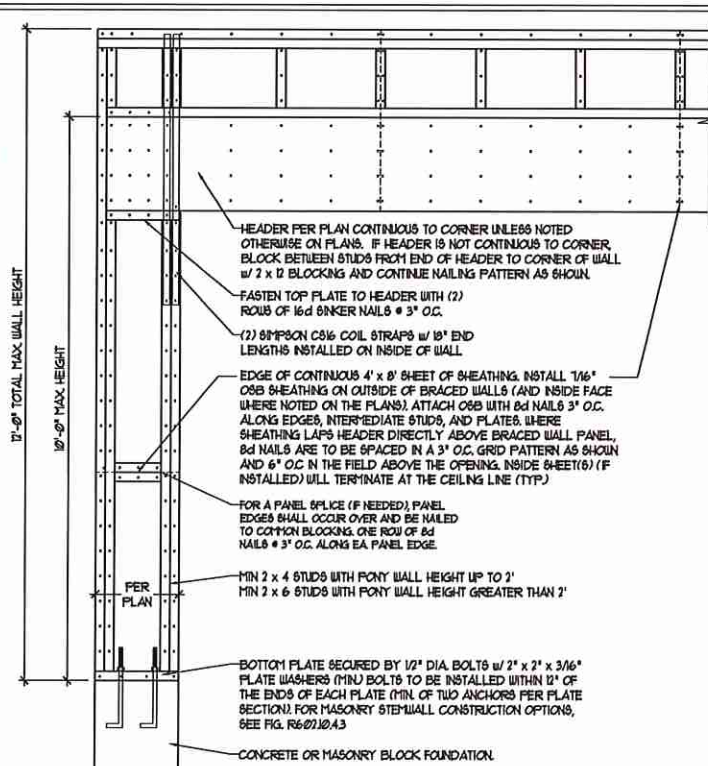
DATE: NOVEMBER 14, 2018
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 ENGINEERED BY: JES



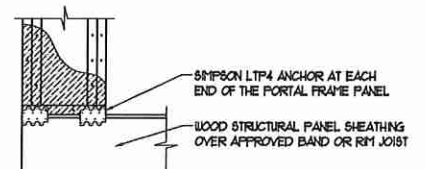
D-1
 FOUNDATION DETAILS

GENERAL WALL BRACING NOTES:

1. WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NRC). TABLES AND FIGURES REFERENCED ARE FROM THE 2018 NRC.
2. SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2018 NRC FOR ADDITIONAL INFORMATION AS NEEDED.
3. 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.
4. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-WSP IN ACCORDANCE WITH SECTION R602.10.3 UNLESS NOTED OTHERWISE.
5. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 1/2" GYPSUM INSTALLED. WHEN NOT USING METHOD "GB", GYPSUM TO BE FASTENED PER TABLE R702.3.5, METHOD GB TO BE FASTENED PER TABLE R602.10.2.
6. CS-WSP REFERS TO THE "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 1/6" OSB SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED w/ 6d COMMON NAILS OR 8d (2 1/2" LONG x 0.131" DIAMETER) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (UNO).
7. GB REFERS TO THE "GYPSUM BOARD" WALL BRACING METHOD. 1/2" (MIN) GYPSUM WALL BOARD IS TO BE INSTALLED ON BOTH SIDES OF THE BRACED WALL FASTENED WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 1" O.C. ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (UNO). VERIFY ALL FASTENER OPTIONS FOR 1/2" AND 5/8" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENER OPTIONS SEE TABLE R702.3.5. FOR EXTERIOR FASTENER OPTIONS SEE TABLE R602.3(1). EXTERIOR GB TO BE INSTALLED VERTICALLY.
8. REQUIRED BRACED WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R602.10.3. METHOD CS-WSP CONTRIBUTES ITS ACTUAL LENGTH, METHOD GB CONTRIBUTES 3/5 ITS ACTUAL LENGTH, AND METHOD FF CONTRIBUTES 1/5 TIMES ITS ACTUAL LENGTH.

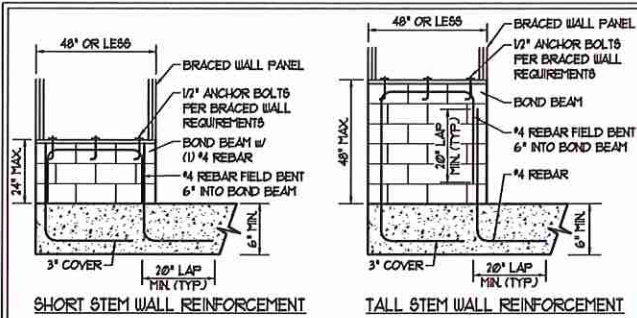


OVER CONCRETE OR MASONRY BLOCK FOUNDATION



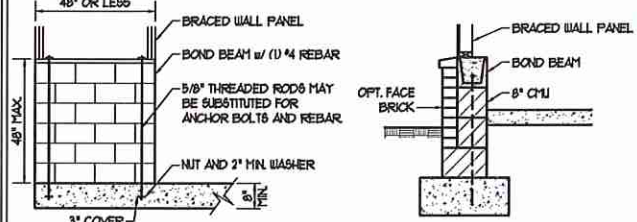
OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION
* APPLICABLE w/ GREATER THAN 12\"/>

METHOD PF-PORTAL FRAME DETAIL ①



SHORT STEM WALL REINFORCEMENT

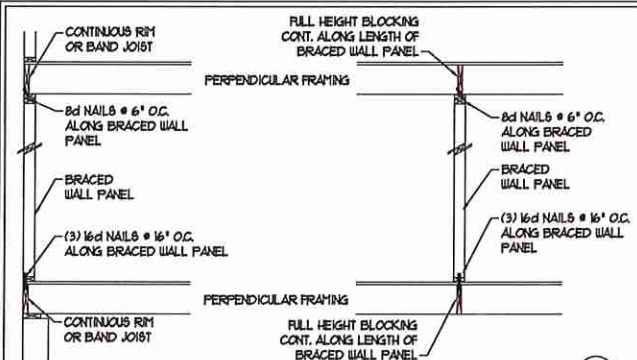
TALL STEM WALL REINFORCEMENT



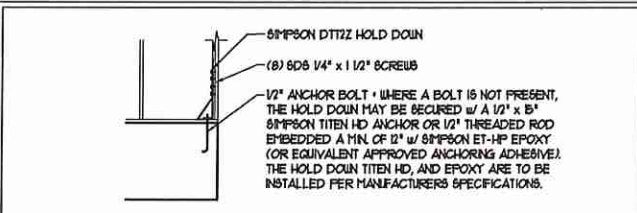
TYPICAL STEM WALL SECTION

RODS MAY BE INSTALLED USING AN ADHESIVE ANCHORING SYSTEM WITH A MINIMUM TENSILE CAPACITY OF 3500 LBS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPEC.

OPTIONAL STEM WALL REINFORCEMENT
NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN REBAR, THREADED RODS AND ANCHOR BOLTS
MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS ②
PER FIGURE R602.10.4.3

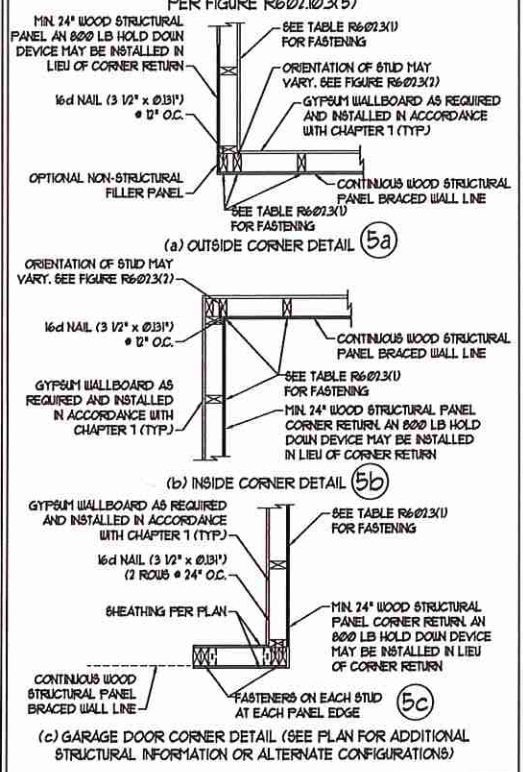


BRACED WALL PANEL CONNECTION WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING ③
PER FIGURE R602.10.4.4(1)

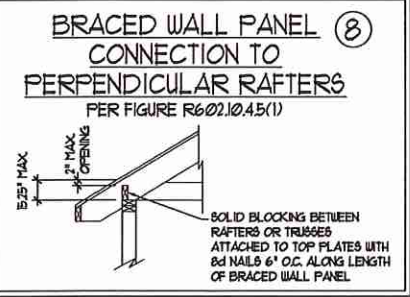
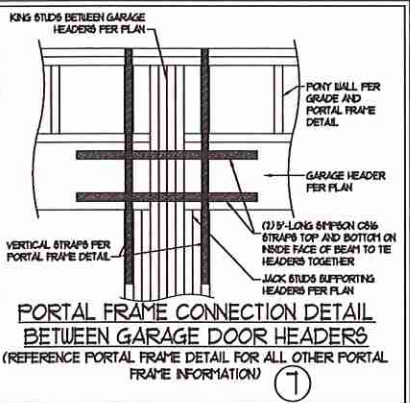
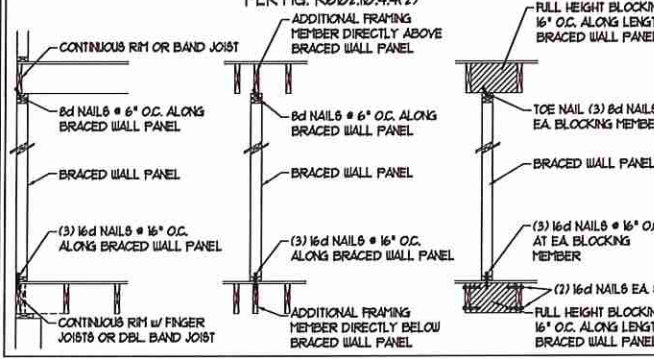


HOLD DOWN DETAIL FOR MASONRY FOUNDATION OR MONOLITHIC SLAB ④
* APPLICABLE ONLY WHERE SPECIFIED ON PLAN *

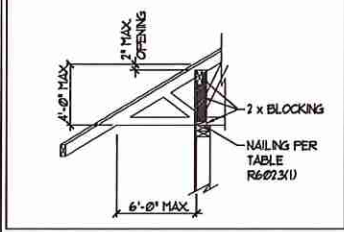
TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING ⑤
PER FIGURE R602.10.3(5)



BRACED WALL PANEL CONNECTION WHEN PARALLEL TO FLOOR/CEILING FRAMING ⑥
PER FIG. R602.10.4.4(2)



BRACED WALL PANEL CONNECTION TO PERPENDICULAR ROOF TRUSSES ⑨
PER FIGURE R602.10.4.5(3)
(OR ALTERNATIVE: FIGURE R602.10.4.5(2))



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120 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED
WALL BRACING NOTES AND DETAILS

DATE: NOVEMBER 14, 2018
SCALE: 1/4" = 1'-0"
DRAWN BY: JST
ENGINEERED BY: JST

D-2
BRACED WALL NOTES AND DETAILS AND FF DETAIL

GENERAL NOTES

- 1. 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 I-JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NRC) 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 CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NRC, 2018 EDITION (R301.4 - R301.7)

Table with 4 columns: DESIGN CRITERIA, LIVE LOAD (PSF), DEAD LOAD (PSF), DEFLECTION (IN). Rows include ATTIC WITH LIMITED STORAGE, DECKS, EXTERIOR BALCONIES, FIRE ESCAPES, HANDRAILS/GUARDRAILS, PASSENGER VEHICLE GARAGE, ROOFS OTHER THAN SLEEPING ROOM, SLEEPING ROOMS, STAIRS, WIND LOAD, GROUND SNOW LOAD.

- I-JOIST SYSTEMS DESIGNED WITH 1/2 PSF DEAD LOAD AND DEFLECTION (IN) OF L/400
- FLOOR TRUSS SYSTEMS DESIGNED WITH 1/2 PSF DEAD LOAD
4. FOR 15 AND 10 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION R402.16 OF THE NRC, 2018 EDITION. FOR 30 MPH, 40 MPH, AND 50 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION 4504 OF THE NRC, 2018 EDITION.
5. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 8 OF THE NRC, 2018 EDITION.

FOOTING AND FOUNDATION NOTES

- 1. 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 DEPTHS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL. A 4" THICK BASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP 1, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R402.1 OF THE NRC, 2018 EDITION.
3. PROPERLY DEWATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE SLAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 3/4" - 1" DEEP CONTROL JOINTS ARE TO BE SALED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
4. CONCRETE SHALL CONFORM TO SECTION R402.2 OF THE NRC, 2018 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60, WELDED WIRE FABRIC TO BE ASTM A185. MAINTAIN A MINIMUM CONCRETE COVER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 1 1/2" 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 1 1/2" FOR #5 BARS OR SMALLER, AND NOT LESS THAN 2" FOR #6 BARS OR LARGER.
5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/11/15 402. MORTAR SHALL CONFORM TO ASTM C270.
6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR INFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PIERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR S MORTAR. PIERS AND WALLS SHALL BE CAPPED WITH 8" OF SOLID MASONRY.
7. THE CENTER OF EACH OF THE PIERS SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING. EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS.
8. ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OF THE NRC, 2018 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NCHA TR89-A OR ACE 530/ASCE 5/11/15 402. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1(1), R404.1(2), R404.1(3), OR R404.1(4) OF THE NRC, 2018 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1(5) OF THE NRC, 2018 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT 16" O.C. WHERE GRADE PERMITS (N.O.).

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FRAMING NOTES

- 1. ALL FRAMING LUMBER SHALL BE 2" OFF MINIMUM (Fb = 875 PSI, Fv = 375 PSI, E = 16000000 PSI) UNLESS NOTED OTHERWISE (N.O.). ALL TREATED LUMBER SHALL BE 2" OFF MINIMUM (Fb = 575 PSI, Fv = 175 PSI, E = 16000000 PSI) UNLESS NOTED OTHERWISE (N.O.).
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: Fb = 2375 PSI, Fv = 310 PSI, E = 19000000 PSI. PARALLEL STRAND LUMBER (PSL) UP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2500 PSI, E = 18000000 PSI. PARALLEL STRAND LUMBER (PSL) MORE THAN 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2300 PSI, E = 20000000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
A. W AND WT 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 A53, 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 (N.O.). PROVIDE SOLID BEARINGS FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS FOLLOWS (N.O.):
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 60PSN 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) ROWS OF SELF TAPPING SCREWS @ 16" O.C. OR (2) ROWS OF 1/2" 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 3/16" DIAMETER HOLES @ 16" O.C.
5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SHADED SQUARES DENOTE POINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
6. ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R602.1(1) AND R602.1(2) OF THE NRC, 2018 EDITION OR BE (2) 2 x 6 WITH (1) JACK AND (1) KING STUD EACH END (N.O.), WHICHEVER IS GREATER. ALL HEADERS TO BE SECURED TO EACH JACK STUD WITH (4) #2 NAILS. ALL BEAMS TO BE SUPPORTED WITH (2) STUDS AT EACH BEARING POINT (N.O.). INSTALL KING STUDS PER SECTION R602.15 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.

- 7. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR FULLY ON (1) JACK OR (2) STUDS MINIMUM OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY (3) STUDS OR LESS ARE TO HAVE 1 1/2" MINIMUM BEARING (N.O.). 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 (N.O.). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (N.O.).
8. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A307) 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 (N.O.).
9. ALL I-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
10. BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION WALL BRACING CRITERIA. THE AMOUNT, LENGTH AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R602.12.
11. 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 (N.O.). FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH 1/2" LAG SCREWS AT 12" O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING INSTALLED w/ (4) #2 NAILS EA. FLY BETWEEN WALL STUDS WITH (2) ROWS OF 1/2" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION R103.2(1) OF THE NRC, 2018 EDITION.
13. FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF #2 NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SHOWN (N.O.).
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 (N.O.).
15. ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 1000 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (N.O.). POSTS MAY BE SECURED USING ONE 60PSN 1/6 OR 1/8" UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE 1/2" SECTION OF 60PSN C516 COIL STRAPPING WITH (8) #2 HDG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIN STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE 60PSN POST BASE.

J.S. THOMPSON ENGINEERING, INC. 606 WADE AVE., SUITE 104 RALEIGH, NC 27605 PHONE: (919) 789-9919 FAX: (919) 789-9921 N.C. LICENSE NO.: C-1733

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

DATE: NOVEMBER 14, 2018 SCALE: 1/4" = 1'-0" DRAWN BY: JES ENGINEERED BY: JST



S0 STRUCTURAL NOTES