



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

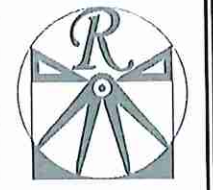


FRONT ELEVATION-A-2
SCALE: 1/4" = 1'-0"



BRICK OR STONE
LEDGE AS SPEC.

FRONT ELEVATION-A-3
SCALE: 1/4" = 1'-0"

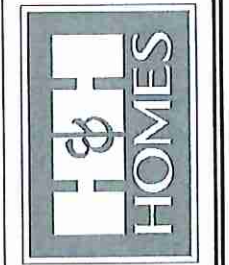


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N.C. LICENSE NO. C41233



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H&H HOMES, INC.
JORDAN

DATE: MARCH 15, 2019
REV.: NOVEMBER 4, 2019
SCALE: AS NOTED
DRAWN BY: WG
ENGINEERED BY: WLF
REVIEWED BY: JES

A - ELEVATION
OPTIONS
A-1.1

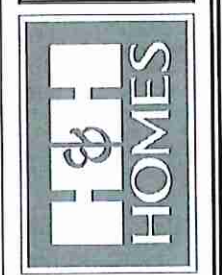


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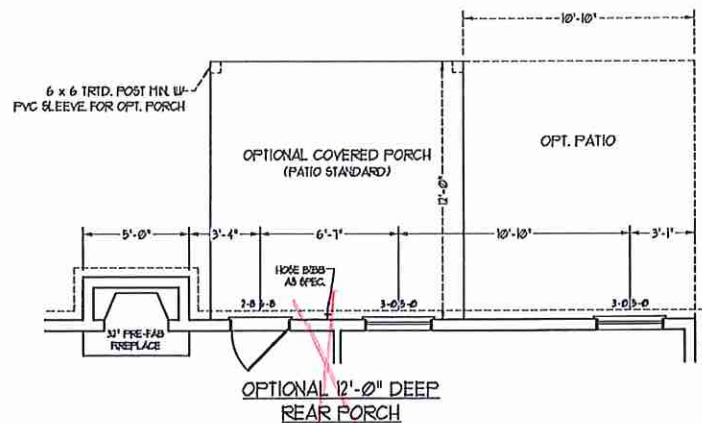
H&H HOMES, INC.
JORDAN

DATE: MARCH 15, 2019
REV.: NOVEMBER 4, 2019
SCALE: 1/4" = 1'-0"
DRAWN BY: WG
ENGINEERED BY: WLF
REVIEWED BY: JES

FIRST FLOOR PLAN
A-5

SQUARE FOOTAGE	
1st FLOOR:	1351 SQ. FT.
2nd FLOOR:	1054 SQ. FT.
TOTAL:	2405 SQ. FT.
FRONT PORCH:	96 SQ. FT.
STD. REAR PATIO:	96 SQ. FT.
GARAGE:	425 SQ. FT.

SQUARE FOOTAGE (OPTIONS)	
1st FLOOR (ALL BRICK):	1420 SQ. FT.
2nd FLOOR (ALL BRICK):	1121 SQ. FT.
TOTAL (ALL BRICK):	2545 SQ. FT.
GARAGE (ALL BRICK):	444 SQ. FT.
FRONT PORCH (WRAP OPTION):	50 SQ. FT.
REAR PORCH (8'-0" DEEP):	96 SQ. FT.
REAR PORCH (12'-0" DEEP):	144 SQ. FT.
OPT. PATIO/DECK (8'-0" DEEP):	81 SQ. FT.
OPT. PATIO/DECK (12'-0" DEEP):	130 SQ. FT.
1-CAR GARAGE:	240 SQ. FT.
1-CAR GARAGE (ALL BRICK):	250 SQ. FT.



open wall w/ Iron Pickets Oak Slade

Single bowl white granite undermount

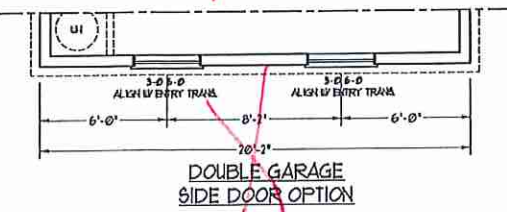
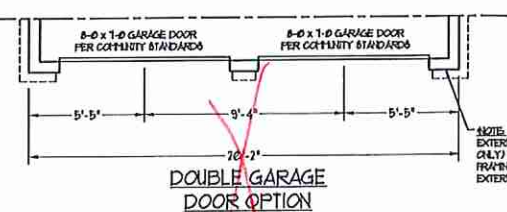
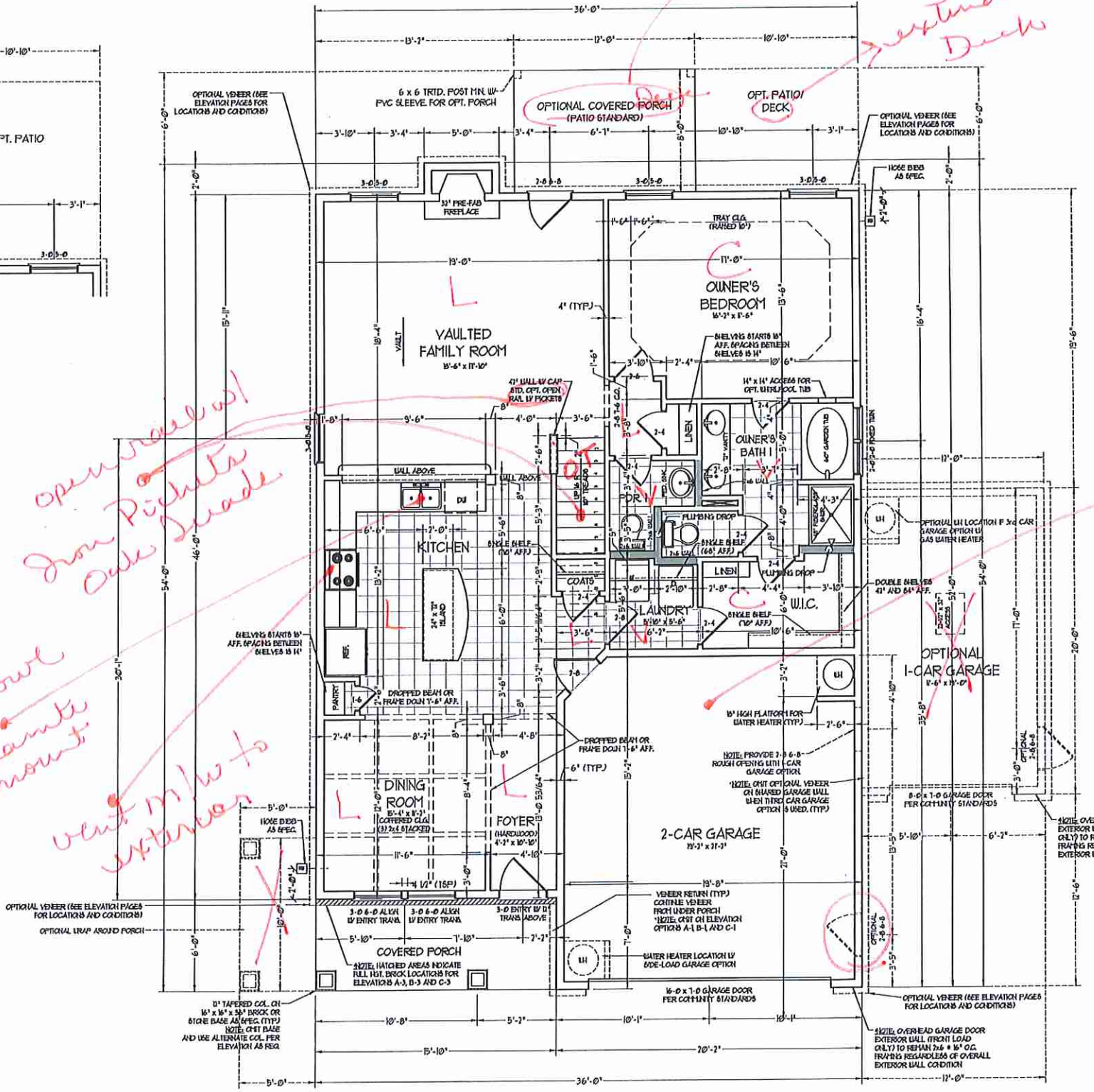
vent m/w to exterior

Deck
extended Deck

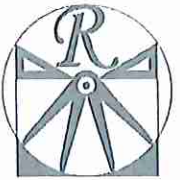
Laundry sink Buyer to place

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).

2x6 WALL
* SHADED 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



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



RENAISSANCE

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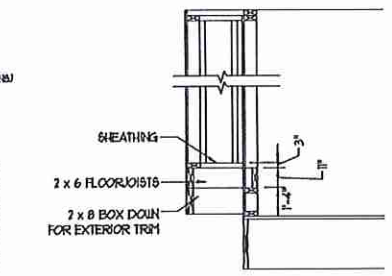
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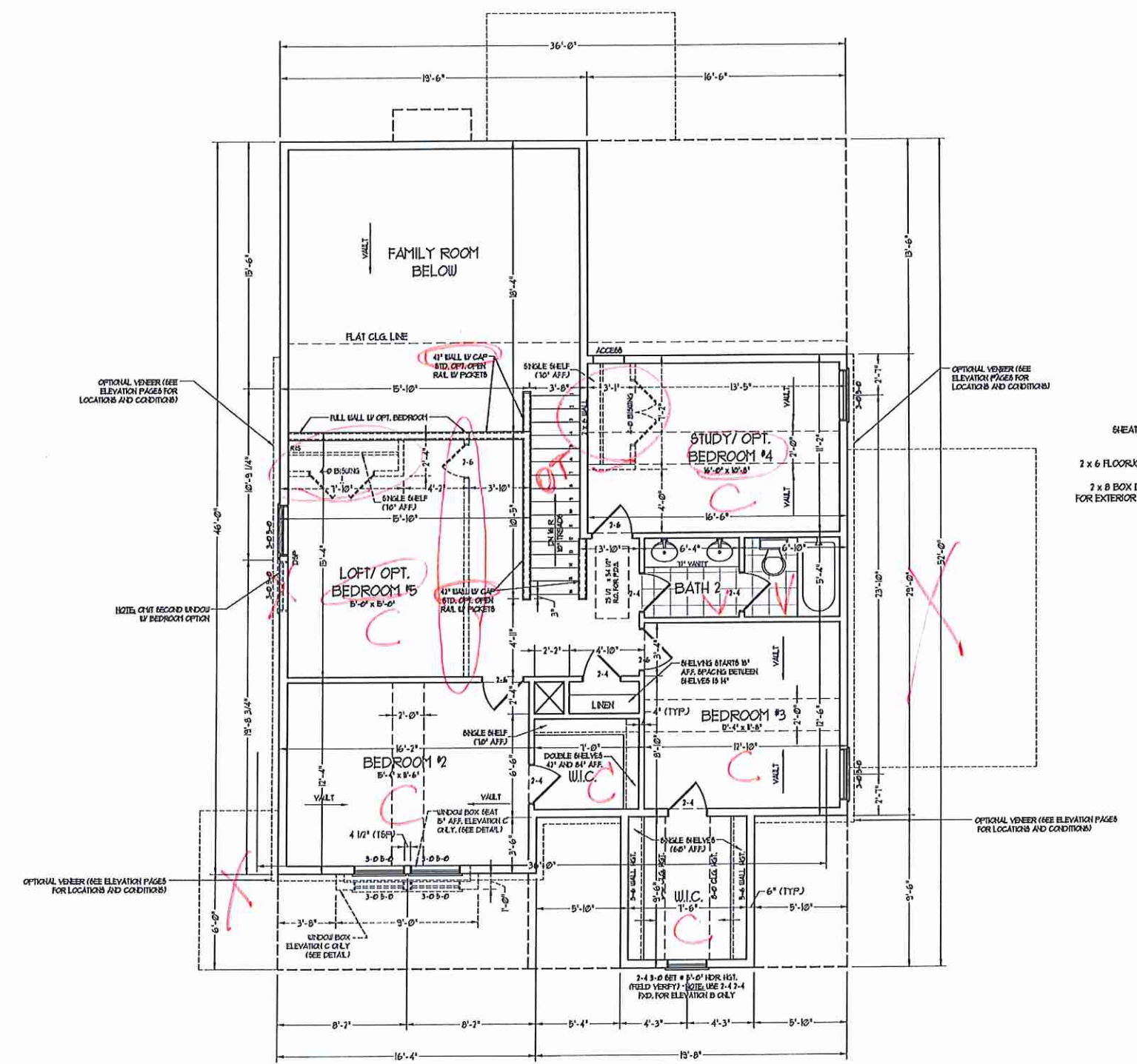
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WINDOW BOX DETAIL
(ELEVATION C ONLY)
SCALE: 1/4" = 1'-0"



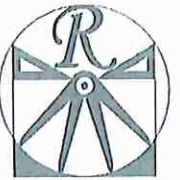
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2x6 WALL
SHADED WALLS ARE TO BE 2 x 6 @ 16" O.C. (LOAD BEARING) OR 2 x 6 @ 24" O.C. (NON-LOAD BEARING) REGARDLESS OF EXTERIOR WALL CONDITION

H&H HOMES, INC.
JORDAN

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ENGINEERED BY: WLF
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SECOND FLOOR PLAN
A-6



RENAISSANCE
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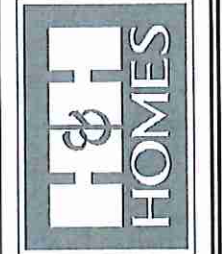
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REV.: NOVEMBER 4, 2019

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

DRAWN BY: WJC

ENGINEERED BY: WLF

REVIEWED BY: JES

FIRST FLOOR
ELECTRICAL
PLAN

E-1

ELECTRICAL LAYOUT NOTES:

- 1) BLOCK AND WIRE FOR ALL CEILING FANS PER PLAN.
- 2) VANTY LIGHTS TO BE SET # 90' AFF. (TYP)
- 3) ADDITIONAL EXTERIOR OUTLETS REQUIRED BY CODE TO BE LOCATED BY ELECTRICIAN.
- 4) PLACE SWITCHES 6" FROM ROOM OPENING.

ELECTRICAL LEGEND

- ⊙ 10 V OUTLET
- ⊙ 10 V GFI OUTLET
- ⊙ 10 V SWITCHED OUTLET
- ⊙ 10 V BASEBOARD OUTLET
- ⊕ 4-FLEX
- ⊕ COUNTER OR FLOOR MOUNTED
- ⊕ COUNTER OR FLOOR MOUNTED 10V GFI
- ⊕ LEATHERPROOF
- ⊕ 20 V OUTLET
- ⊕ 10 V DEDICATED CIRCUIT
- ⊕ 20 V DEDICATED CIRCUIT
- ⊕ SPECIAL PURPOSE (140 V, ETC)
- ⊕ WALL MOUNT LIGHT
- ⊕ CEILING MOUNT LIGHT
- ⊕ PENDANT LIGHT
- ⊕ RECESSED CAN LIGHT
- ⊕ PIR CAN LIGHT
- ⊕ EYEBALL LIGHT
- ⊕ FLUORESCENT LIGHT
- ⊕ UNDERCABINET LIGHT
- ⊕ FLOOD LIGHT
- ⊕ SWITCH
- ⊕ 3-WAY SWITCH
- ⊕ 4-WAY SWITCH
- ⊕ DIMMER SWITCH
- ⊕ TELEPHONE
- ⊕ TV CONNECTION
- ⊕ CORDSET FOR COMPONENT WIRING
- ⊕ SPEAKER
- ⊕ DOORBELL CHIME
- ⊕ 10 V SMOKE DETECTOR
- ⊕ EXHAUST FAN
- ⊕ LOW VOLTAGE PANEL

⊕ CEILING FAN
⊕ CEILING FAN W/ LIGHT



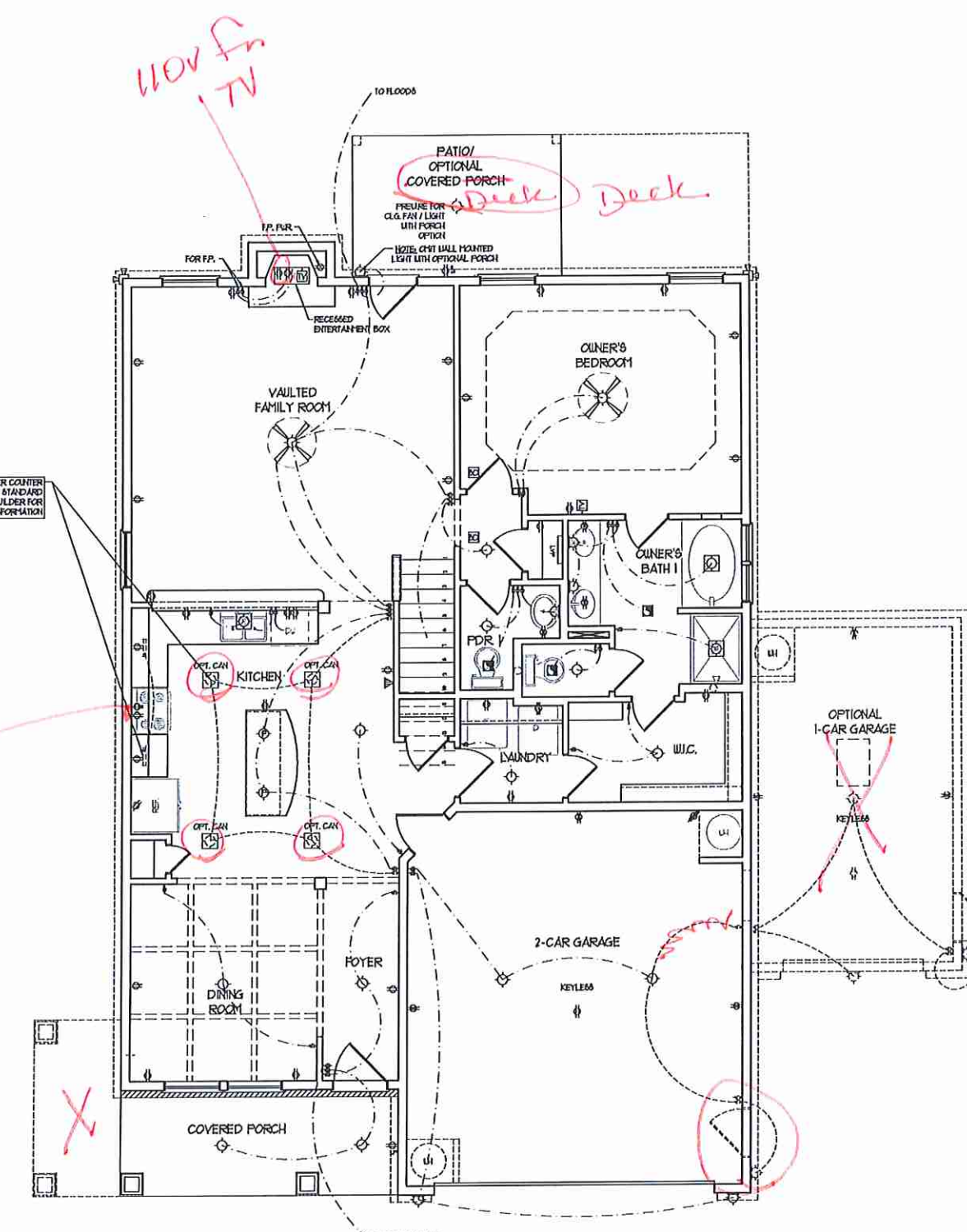
SIDE-LOAD GARAGE OPTION (NOT AVAILABLE WITH OPTIONAL ONE-CAR GARAGE)



DOUBLE GARAGE DOOR OPTION



DOUBLE GARAGE SIDE DOOR OPTION

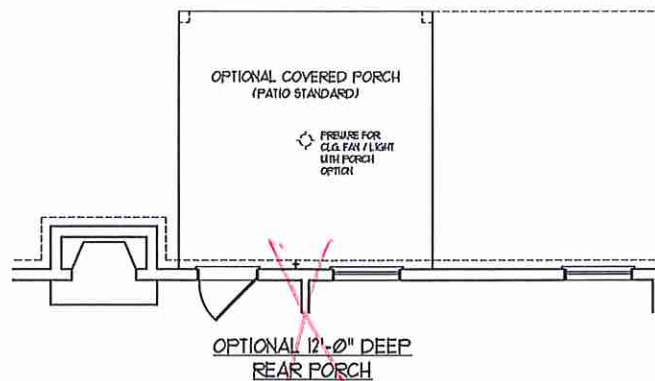


NOTE: OPTIONAL KITCHEN UNDER COUNTER LIGHTING AND CAN LIGHTS STANDARD IN CERTAIN COMMUNITIES. SEE BUILDER FOR ADDITIONAL INFORMATION.

vent m/w to exterior

110V FAN TV

Deck Deck



OPTIONAL COVERED PORCH (PATIO STANDARD)

OPTIONAL 12'-0" DEEP REAR PORCH

FOR F.P.

TO FLOODS

PATIO/COVERED PORCH

PRESSURE TREATED CLG. FAN / LIGHT WITH PORCH OPTION

NOTE: OPT. WALL MOUNTED LIGHT WITH OPTIONAL PORCH

RECESSED ENTERTAINMENT BOX

VAULTED FAMILY ROOM

OWNER'S BEDROOM

OWNER'S BATH I

LAUNDRY

W.I.C.

2-CAR GARAGE

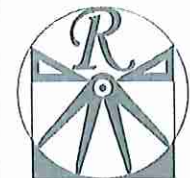
KEYLESS

POYER

DINING ROOM

COVERED PORCH

TO OPT. POST LIGHT

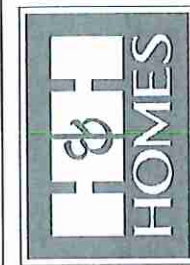


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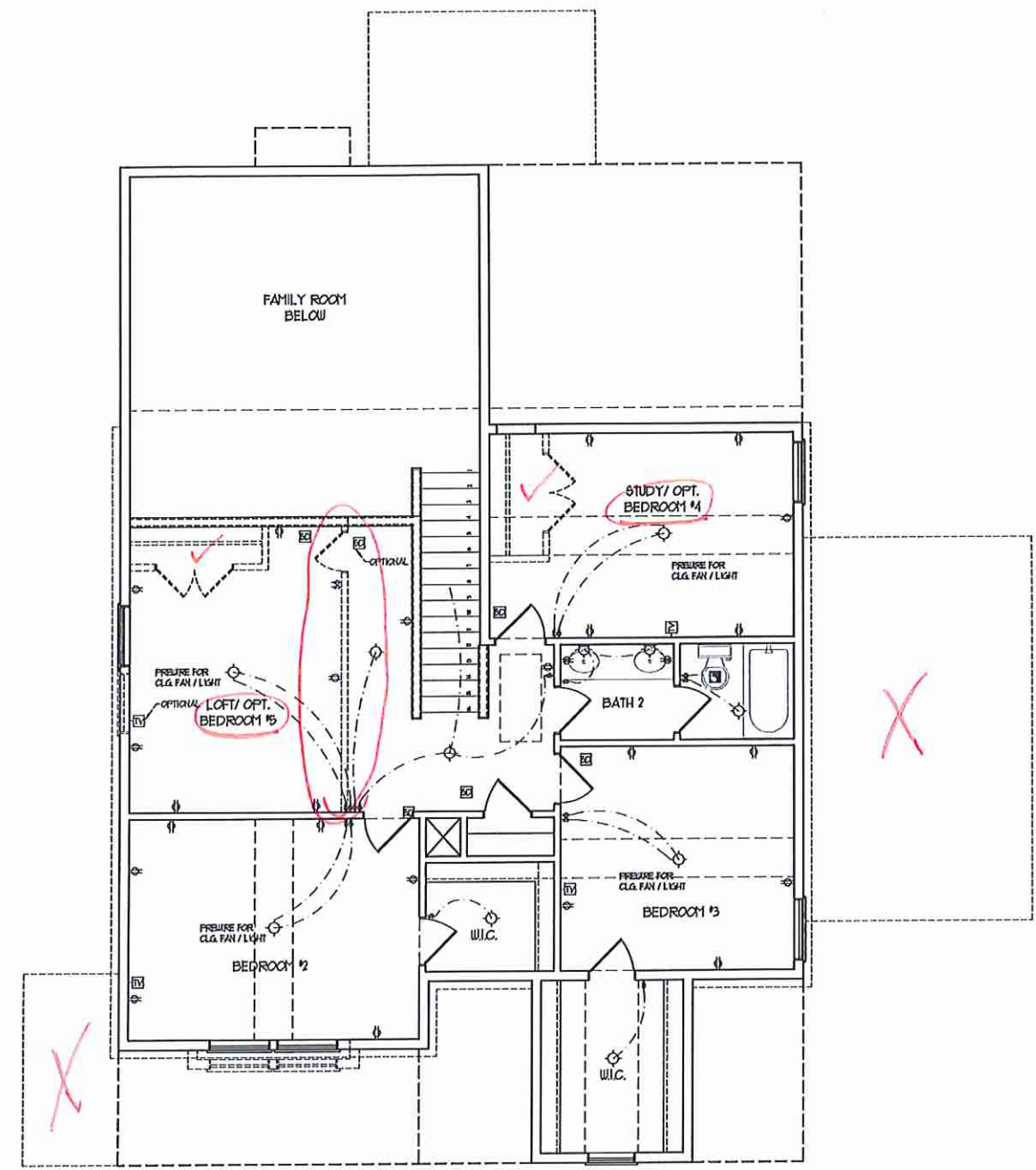
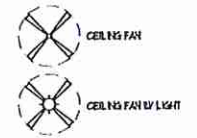
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ELECTRICAL LAYOUT NOTES:

- 1) BLOCK AND WIRE FOR ALL CEILING FANS PER PLAN.
- 2) VANTY LIGHTS TO BE SET @ 90" AFF. (TYP)
- 3) ADDITIONAL EXTERIOR OUTLETS REQUIRED BY CODE TO BE LOCATED BY ELECTRICAL.
- 4) PLACE SWITCHES 6" (MIN) FROM ROUGH OPENINGS.

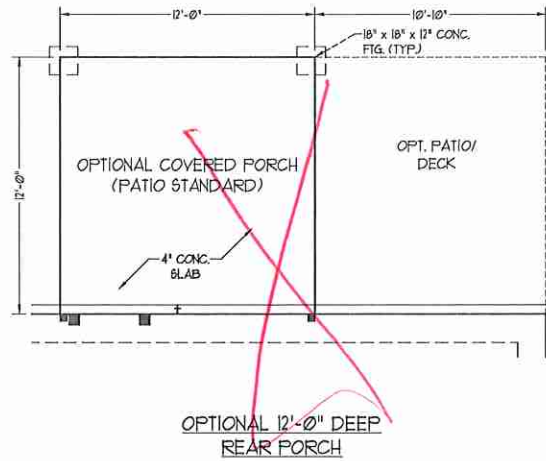
ELECTRICAL LEGEND

- ⊕ NO V OUTLET
- ⊖ NO V GFI OUTLET
- ⊕ NO V SWITCHED OUTLET
- ⊖ NO V BASEBOARD OUTLET
- ⊕ 4-FLEX
- ⊕ COUNTER OR FLOOR MOUNTED
- ⊕ COUNTER OR FLOOR MOUNTED TOY/GFI
- ⊕ LEATHERPROOF
- ⊕ 220 V OUTLET
- ⊕ 220 V DEDICATED CIRCUIT
- ⊕ SPECIAL PURPOSE (240 V, ETC)
- ⊕ WALL MOUNT LIGHT
- ⊕ CEILING MOUNT LIGHT
- ⊕ PENDANT LIGHT
- ⊕ RECESSED CAN LIGHT
- ⊕ RHO CAN LIGHT
- ⊕ EYEBALL LIGHT
- ⊕ FLUORESCENT LIGHT
- ⊕ UNDERCABINET LIGHT
- ⊕ FLOOD LIGHT
- ⊕ SWITCH
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- ⊕ 4-WAY SWITCH
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- ⊕ DOORBELL CHIME
- ⊕ NO V SMOKE DETECTOR
- ⊕ EXHAUST FAN
- ⊕ LOW VOLTAGE PANEL

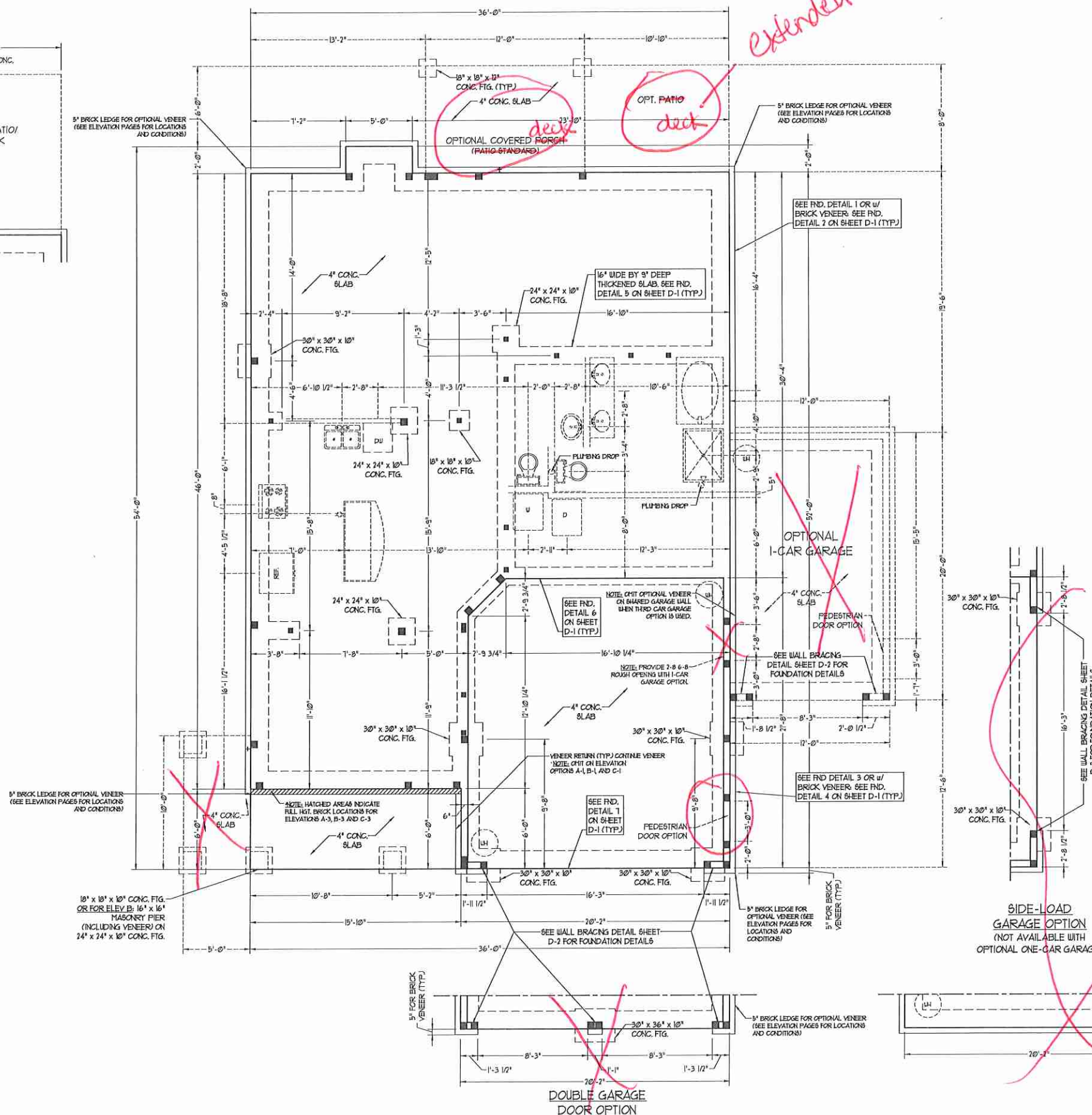


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DRAWN BY: WG
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REVIEWED BY: JES
SECOND FLOOR ELECTRICAL PLAN
E-2



OPTIONAL 12'-0" DEEP REAR PORCH

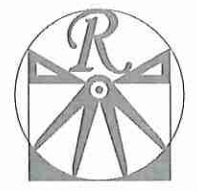


150 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT:

- 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 WIND).
- BUILDER IS TO PROVIDE FRAMING CONNECTIONS AS REQUIRED BY CHAPTER 45 ('HIGH WIND ZONES' FOR 50 MPH WIND) OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION. FOUNDATION ANCHORAGE TO COMPLY WITH SECTION 4504 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
- WALL CLADDING DESIGNED FOR 0.43 PSF AND -0.37 PSF (-/- INDICATE POSITIVE / NEGATIVE PRESSURE (TYP)).
- ROOF CLADDING DESIGNED FOR 0.22 PSF AND -0.37 PSF FOR ROOF PITCHES 1/2 TO 0/12 AND 0.44 PSF AND -0.51 PSF FOR ROOF PITCHES 2/12 TO 1/3.
- 1/8" OSB SHEATHING IS REQUIRED ON ALL EXTERIOR WALLS.
- WALLS TO BE BRACED IN ACCORDANCE WITH SECTION 1607.05 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.

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

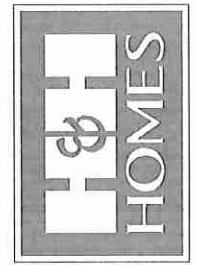
- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
- STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- INSTALL 1/2" ANCHOR BOLTS 6'-0" O.C. AND WITHIN 1'-0" FROM END OF EACH 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 0.53 PSF AND -0.39 PSF (-/- INDICATE POSITIVE / NEGATIVE PRESSURE (TYP)).
- ROOF CLADDING DESIGNED FOR 0.42 PSF AND -0.37 PSF FOR ROOF PITCHES 1/2 TO 0/12 AND 0.48 PSF AND -0.56 PSF FOR ROOF PITCHES 2/12 TO 1/3.
- INSTALL 1/8" OSB SHEATHING ON ALL EXTERIOR WALLS OF ALL STORES IN ACCORDANCE WITH SECTION 1607.05 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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DATE: MARCH 15, 2019
REV. 1
SCALE: 1/4"=1'-0"
DRAWN BY: WG
ENGINEERED BY: WLF
REVIEWED BY: JES

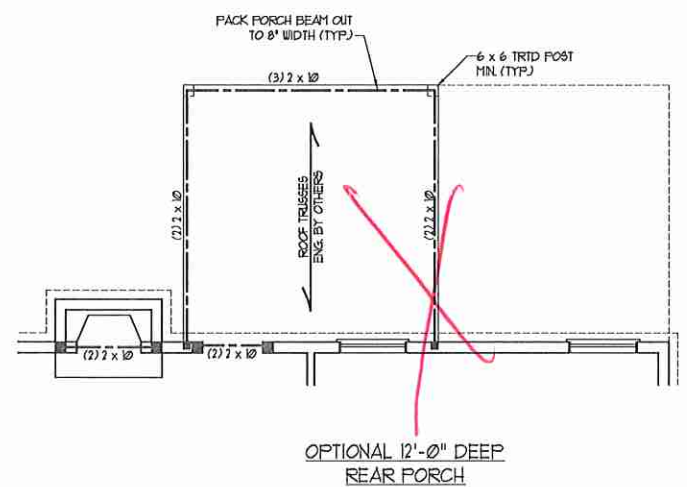
MONO SLAB
FOUNDATION
PLAN
S-1



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 (NO). 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'-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) 1d 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(2) OF THE 2018 NCRC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
 - PRECAST REINFORCED CONCRETE LINTELS ENGINEERED BY OTHERS MAY BE USED IN LIEU OF STEEL LINTELS.

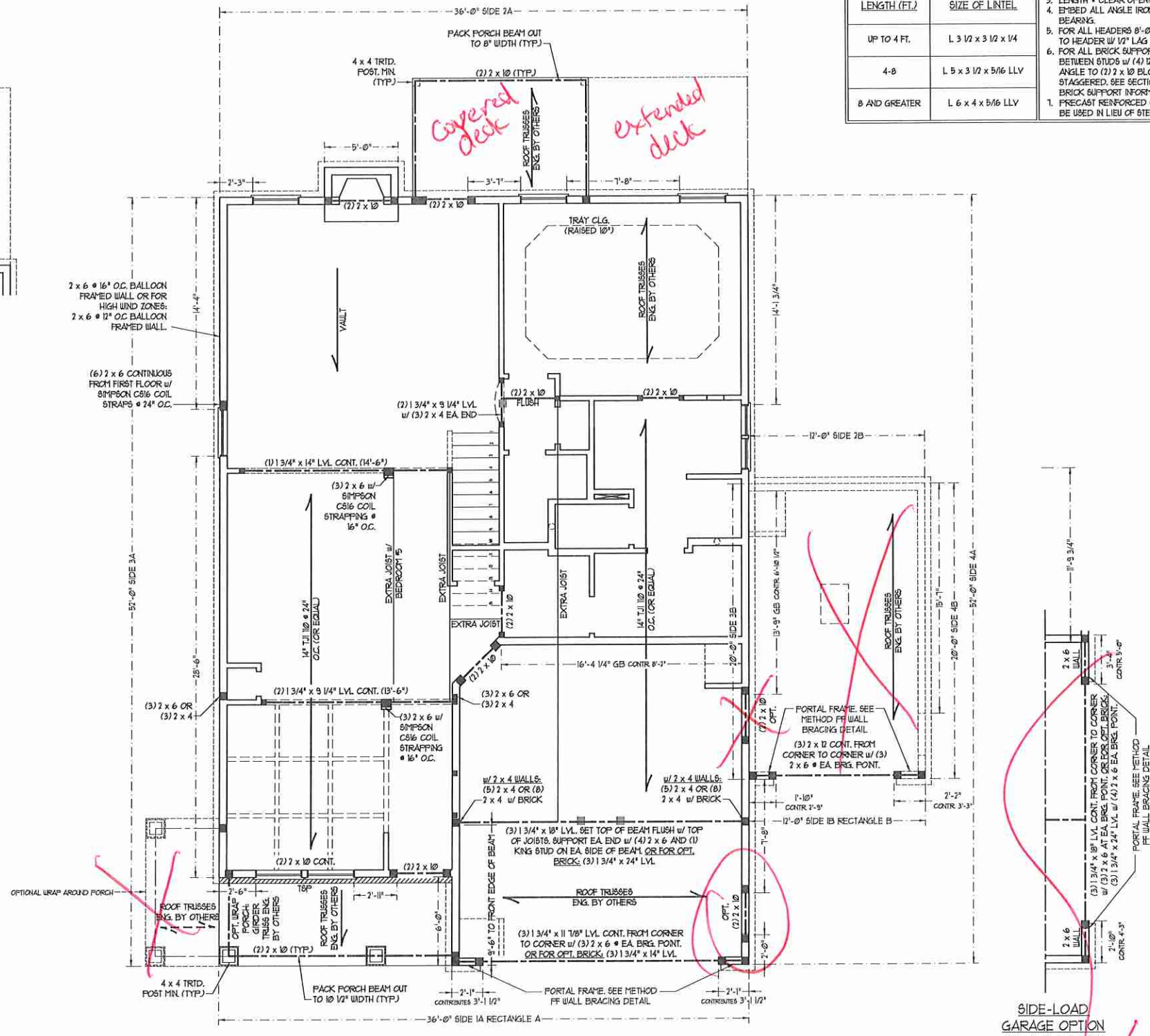


BRACED WALL DESIGN

RECTANGLE A	RECTANGLE B
SIDE 1A (FRONT LOAD)	SIDE 1B
METHOD: C5-W5P/FRGB	METHOD: C5-W5P/FF
TOTAL REQUIRED LENGTH: 16'	TOTAL REQUIRED LENGTH: 32'
TOTAL PROVIDED LENGTH: 13.83'	TOTAL PROVIDED LENGTH: 6'
SIDE 2A	SIDE 2B
METHOD: C5-W5P	METHOD: C5-W5P
TOTAL REQUIRED LENGTH: 16'	TOTAL REQUIRED LENGTH: 32'
TOTAL PROVIDED LENGTH: 18.5'	TOTAL PROVIDED LENGTH: 12'
SIDE 3A	SIDE 3B / SIDE 4A CUMULATIVE
METHOD: C5-W5P	METHOD: C5-W5P/GB
TOTAL REQUIRED LENGTH: 11.4'	TOTAL REQUIRED LENGTH: 13.4'
TOTAL PROVIDED LENGTH: 48.83'	TOTAL PROVIDED LENGTH: 38.6'
SIDE 4A (SIDE LOAD)	SIDE 4B
METHOD: C5-W5P/FF	METHOD: C5-W5P
TOTAL REQUIRED LENGTH: 11.4'	TOTAL REQUIRED LENGTH: 2'
TOTAL PROVIDED LENGTH: 35.2'	TOTAL PROVIDED LENGTH: 15.58'

- BRACED WALL DESIGN NOTES:**
- BRACED WALL DESIGN PER SECTION R602.10 OF THE NCRC 2018 EDITION.
 - C5-W5P 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 FLATES.
 - BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH. FOR HIGH WIND ZONES BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NCRC 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).**

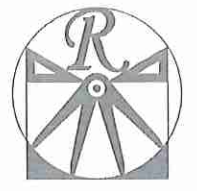
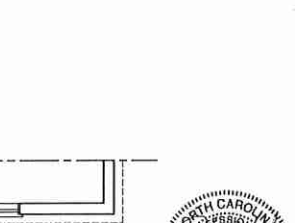


- STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE SYP #2 (UNO). ALL TREATED LUMBER TO BE SYP #2 (UNO).
 - ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 SYP #2 OR SYP #2 (KILN DRIED) (UNO). HEADERS HAVE BEEN DESIGNED BASED ON CALCULATED LOADS. CODE TABLES HAVE NOT BEEN USED.
 - INSTALL AN EXTRA JOIST UNDER 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).
 - 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 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS AT TOP (UNO).
 - FOR FIBERGLASS, ALUMINUM, OR COLUMN ENG. BY OTHERS, SECURE TO SLAB W/ (2) METAL ANGLES USING 2" CONC. SCREWS. FASTEN ANGLES TO COLUMNS W/ 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.

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
6'	3	2
12'	5	3
16'	6	4

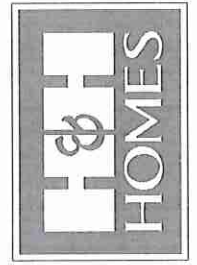
T5P - TRIPLE STUD POCKET



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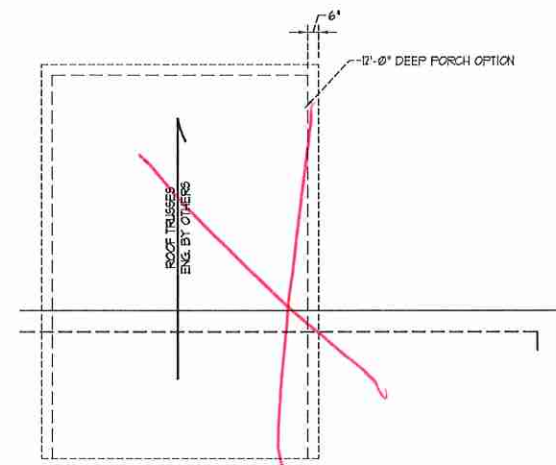
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DATE: MARCH 15, 2019
REV. 1
SCALE: 1/4"=1'-0"
DRAWN BY: WG
ENGINEERED BY: WLF
REVIEWED BY: JES

SECOND FLOOR FRAMING PLAN
S-2

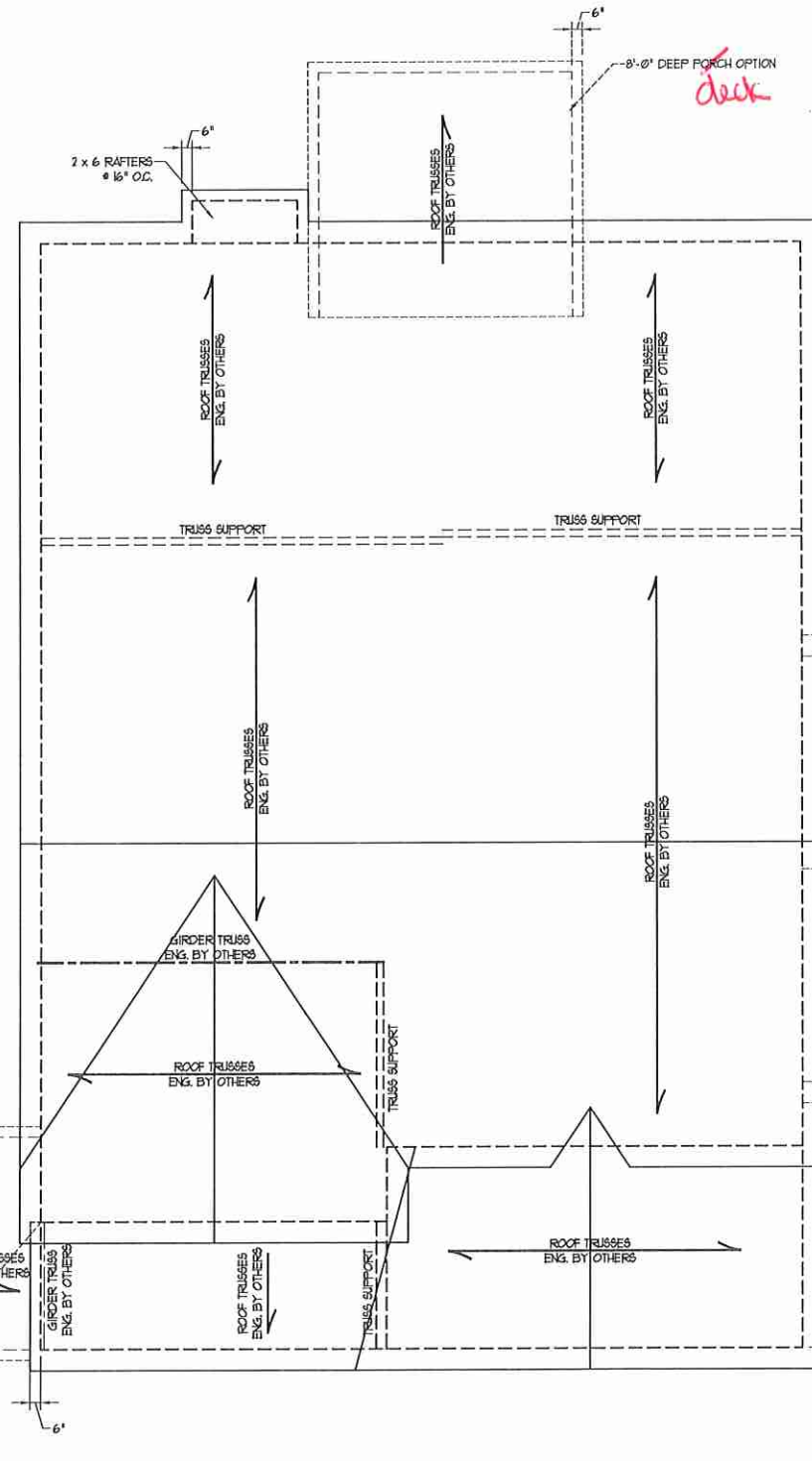


ATTIC VENT CALCULATION:
150 SQ. FT. OF ATTIC DIVIDED BY 150 REQUIRES 10 SQ. FT. OF NET FREE VENTILATING AREA (MIN.)



12'-0" DEEP REAR PORCH OPTION
SCALE: 1/4" = 1'-0"

ATTIC VENT CALCULATION:
111 SQ. FT. OF ATTIC DIVIDED BY 150 REQUIRES 0.8 SQ. FT. OF NET FREE VENTILATING AREA (MIN.)



ELEVATION A AND B

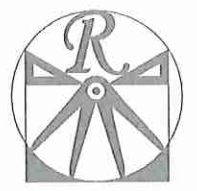
ATTIC VENT CALCULATION:
60 SQ. FT. OF ATTIC DIVIDED BY 150 REQUIRES 0.4 SQ. FT. OF NET FREE VENTILATING AREA (MIN.)



ATTIC VENT CALCULATION:
2030 SQ. FT. OF ATTIC DIVIDED BY 150 REQUIRES 135 SQ. FT. OF NET FREE VENTILATING AREA (MIN.)

- STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE #2 SFF (IND).
 - CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF SUPPORT.
 - FRAME DOCKER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS.
 - HIP SPLICES ARE TO BE SPACED A MIN. OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS @ 16" O.C. (TYP.)
 - 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.
 - FASTEN FLAT VALLEYS TO RAFTERS OR TRUSSES WITH SIMPSON HD54 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) 12d TOE NAILS.
 - REFER TO SECTION R202.11 OF THE 2018 NRC FOR REQUIRED UPLIFT RESISTANCE AT RAFTERS AND TRUSSES.
 - REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

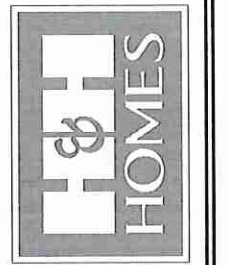
ATTIC VENT CALCULATION:
294 SQ. FT. OF ATTIC DIVIDED BY 150 REQUIRES 2.0 SQ. FT. OF NET FREE VENTILATING AREA (MIN.)



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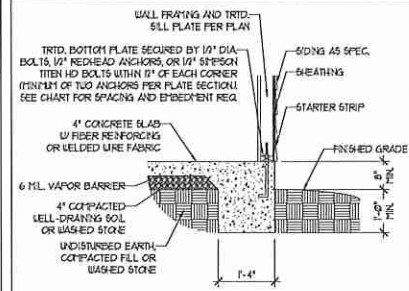
DATE: MARCH 15, 2019
REV.:
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DRAWN BY: WG
ENGINEERED BY: WLF
REVIEWED BY: JES

ROOF PLAN
ELEVATIONS
A&B
S-4



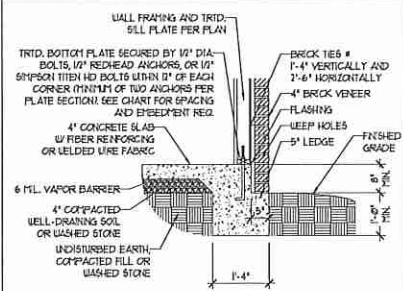
MONOLITHIC SLAB DETAILS

DETAIL 1



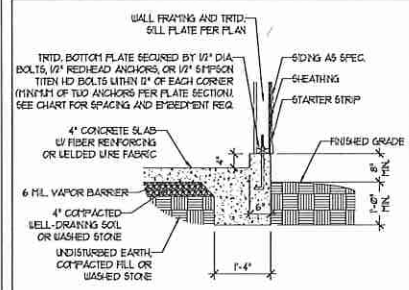
TYPICAL SLAB DETAIL

DETAIL 2



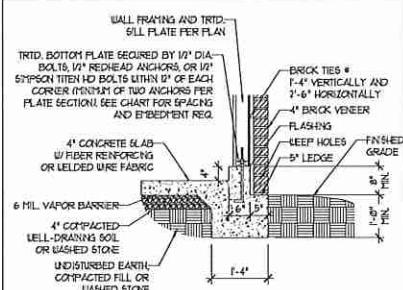
BRICK VENEER DETAIL

DETAIL 3



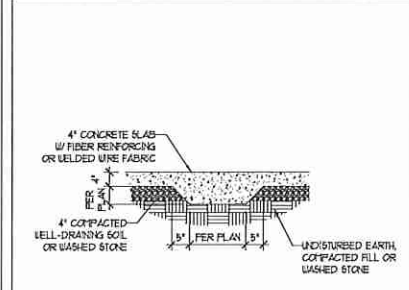
GARAGE CURB DETAIL

DETAIL 4



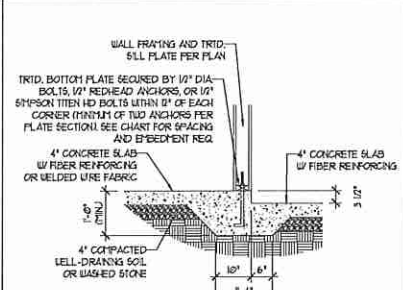
GARAGE CURB BRICK LEDGE DETAIL

DETAIL 5



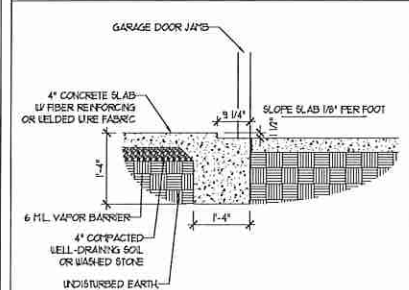
THICKENED SLAB DETAIL

DETAIL 6



STEP IN GARAGE DETAIL

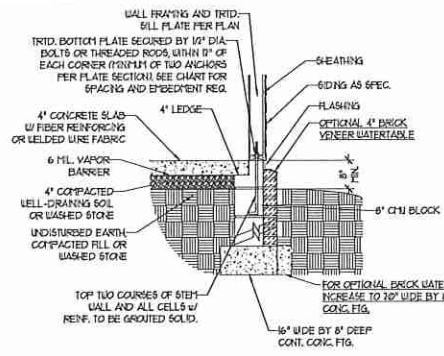
DETAIL 7



SLAB AT GARAGE DOOR DETAIL

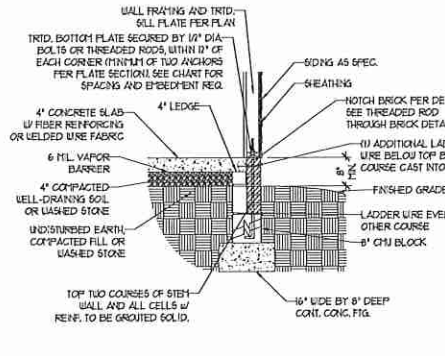
STEMWALL DETAILS

DETAIL 1



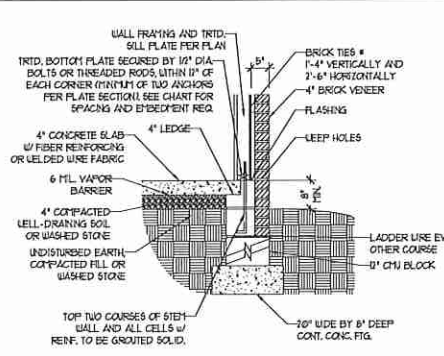
TYPICAL STEM WALL DETAIL
(w/ OPTIONAL WATERTABLE)

OPTIONAL DETAIL 1



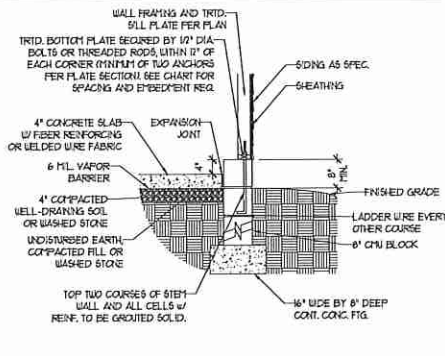
OPTIONAL STEM WALL DETAIL

DETAIL 2



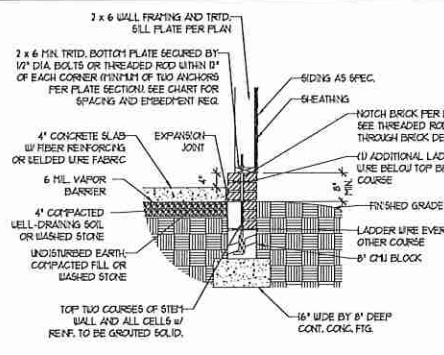
TYPICAL STEM WALL FND. w/ BRICK DETAIL

DETAIL 3



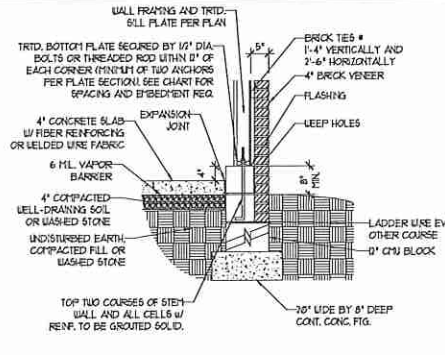
TYPICAL STEM WALL FND. DETAIL w/ CURB @ GARAGE

OPTIONAL DETAIL 3



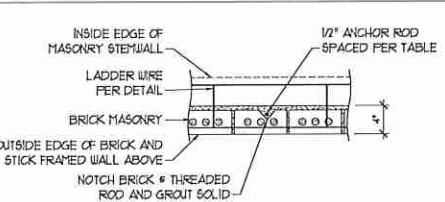
OPTIONAL STEM WALL FND. DETAIL w/ CURB @ GARAGE

DETAIL 4



TYPICAL STEM WALL FND. DETAIL w/ BRICK
AND CURB @ GARAGE

DETAIL 8



THREADED ROD THROUGH BRICK MASONRY

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	UNROUTED	GROUT SOLID	UNROUTED	UNROUTED
3	UNROUTED	GROUT SOLID	UNROUTED	UNROUTED
4	GROUT SOLID	GROUT SOLID w/ #4 REBAR @ 36" 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.
1 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 TYPES 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 WELL DRAINED OR SAND - GRAVEL MIXTURE SOILS (45 PSF/FT BELOW GRADE) CLASSIFIED AS GROUP 1 ACCORDING TO UNIFIED SOILS CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R402.1 OF THE 2018 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.
6. PREP SLAB PER R506.2.1 AND R506.2.2 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 9' 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

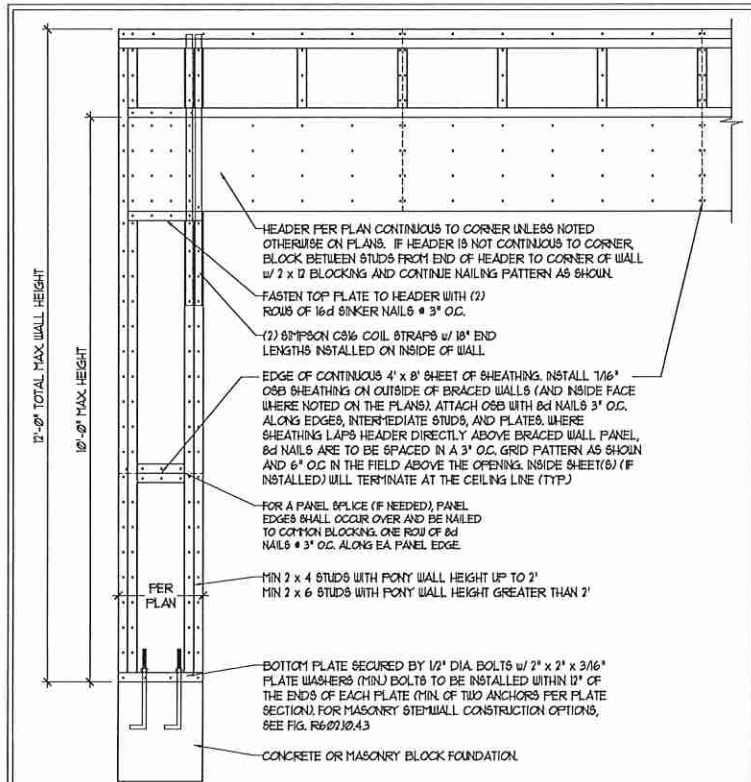
DATE: NOVEMBER 14, 2018
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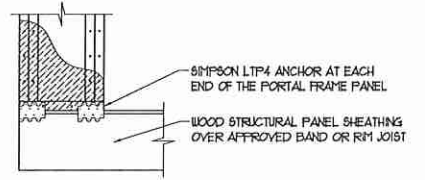
D-1
 FOUNDATION DETAILS

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-WSF 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 R102.3.5. METHOD GB TO BE FASTENED PER TABLE R602.10.3.
6. CS-WSF 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 0.133" 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 R102.3.5. 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-WSF CONTRIBUTES ITS ACTUAL LENGTH, METHOD GB CONTRIBUTES 5 ITS ACTUAL LENGTH, AND METHOD PF CONTRIBUTES 15 TIMES ITS ACTUAL LENGTH.

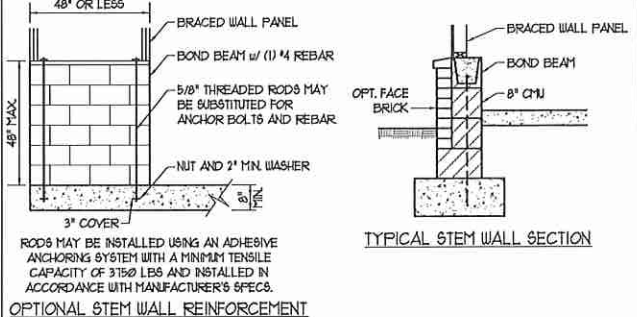
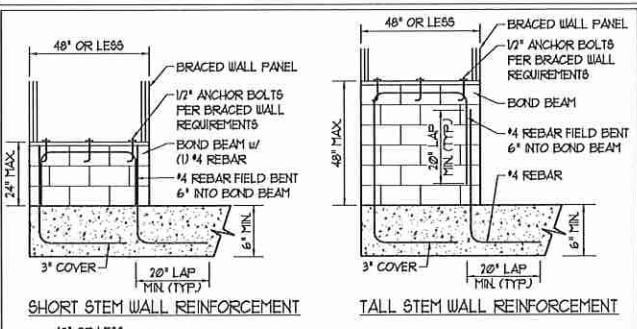


OVER CONCRETE OR MASONRY BLOCK FOUNDATION

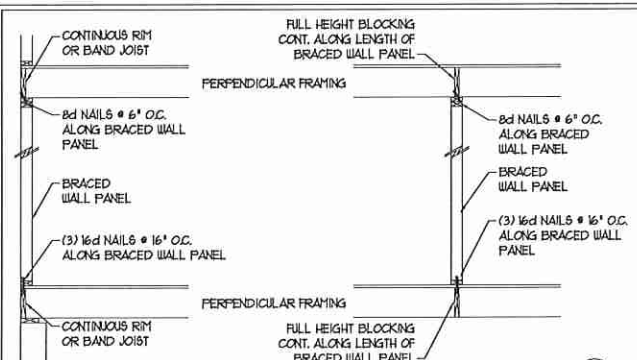


OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION
• APPLICABLE w/ GREATER THAN 12" KNEE WALL HEIGHTS IN CRAWL SPACE AND ABOVE FRAMED BASEMENT WALLS •

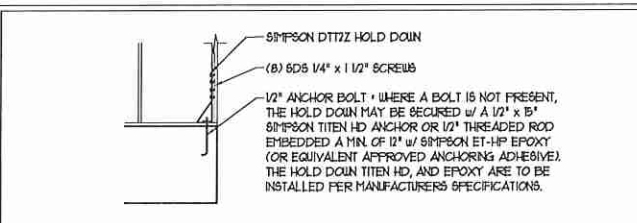
METHOD PF-PORTAL FRAME DETAIL ①



MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS ②
PER FIGURE R602.10.4.3

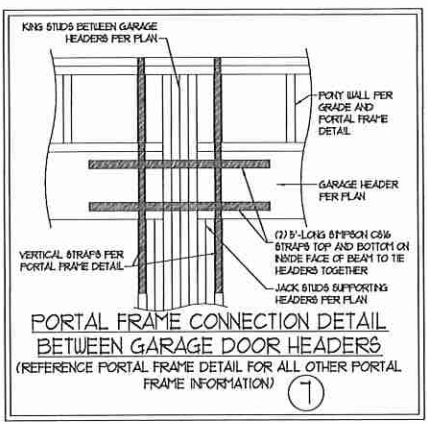
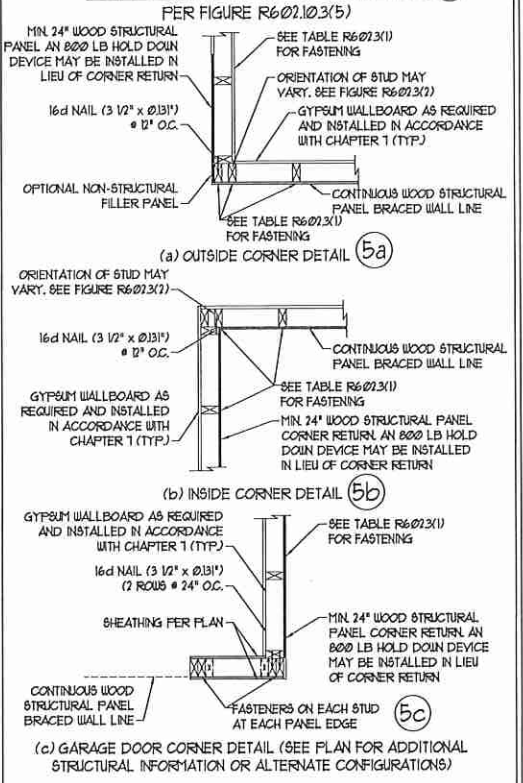


BRACED WALL PANEL CONNECTION WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING ③
PER FIGURE R602.10.4.4(1)



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

TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING ⑤



BRACED WALL PANEL CONNECTION TO PERPENDICULAR RAFTERS ⑧
PER FIGURE R602.10.4.5(1)

VERTICAL STRAPS PER PORTAL FRAME DETAIL

PONY WALL PER GRADE AND PORTAL FRAME DETAIL

GARAGE HEADER PER PLAN

(2) 8" LONG OSB COIL STRAPS TOP AND BOTTOM ON INSIDE FACE OF BEAM TO TIE HEADERS TOGETHER

JACK STUDS SUPPORTING HEADERS PER PLAN

SOLID BLOCKING BETWEEN RAFTERS OR TRUSSES ATTACHED TO TOP PLATES WITH 8d NAILS 6" O.C. ALONG LENGTH OF BRACED WALL PANEL

