

Crossing at Anderson Creek 184-343 Lake Crest Drive, Spring Lake, 28390

Harnett County

Created: 1/28/2021

House Plan: Kessler

Elevation: B

Stone/Brick Option: #1

Foundation: Slab

Foundation Finish: 3 Sides Parged

Garage Hand: Left

Garage: 2 Car Front

Garage Door:(2) 8x8

Front Porch: Concrete

Roof: Truss

Siding: Vinyl

Ceiling Height 1st Floor: 9'

Ceiling Height 2nd Floor: 9'

Door Frame Height 1st Floor: 83"

Door Frame Height 2nd Floor: 83"

Windows 1st Floor: 6/0 Front Only

Windows 2nd Floor: 5/0

OPTIONS

Covered Porch

Trey Ceiling in Master Bedroom

Total Heated Sq. Ft.: 2146

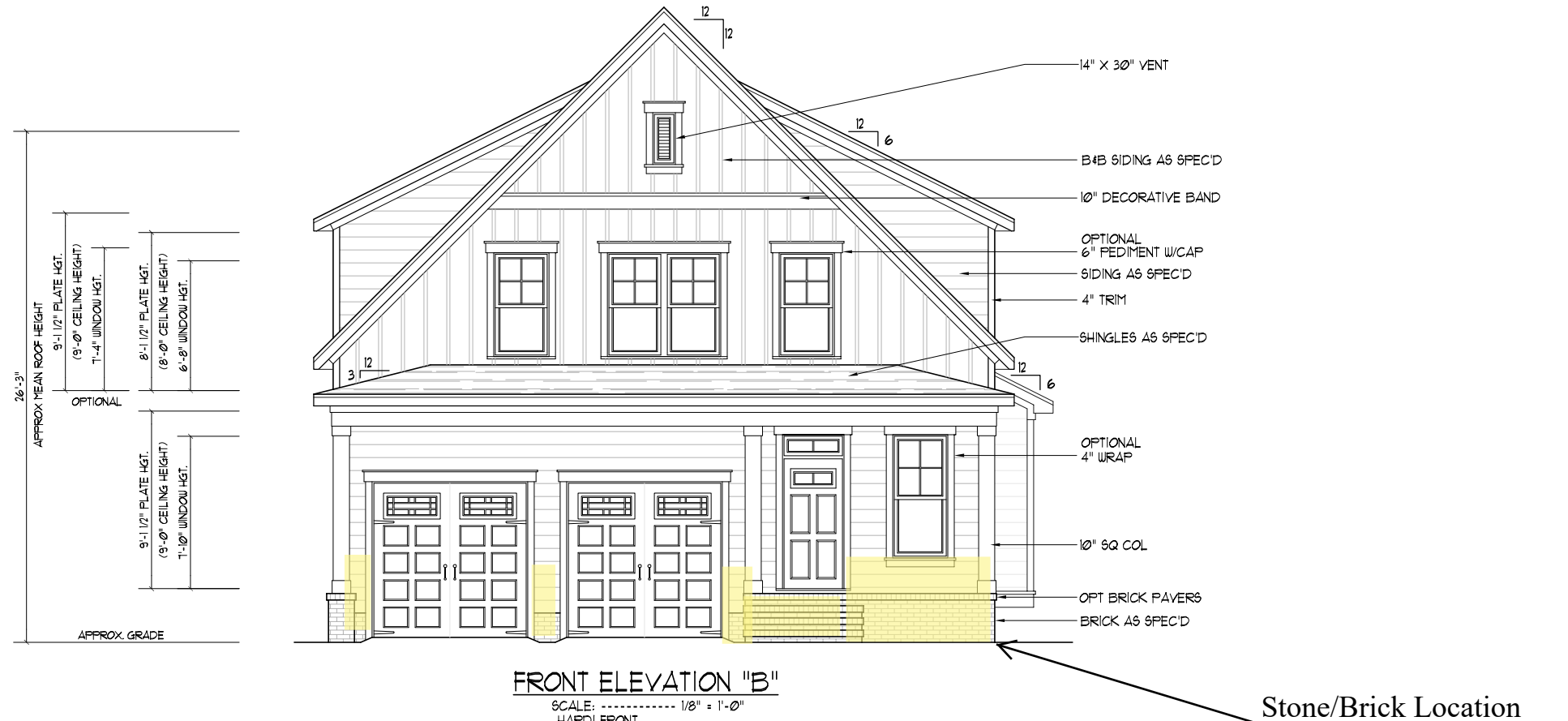
Total Unheated Sq. Ft.: 734

Total SQ FT: 2880

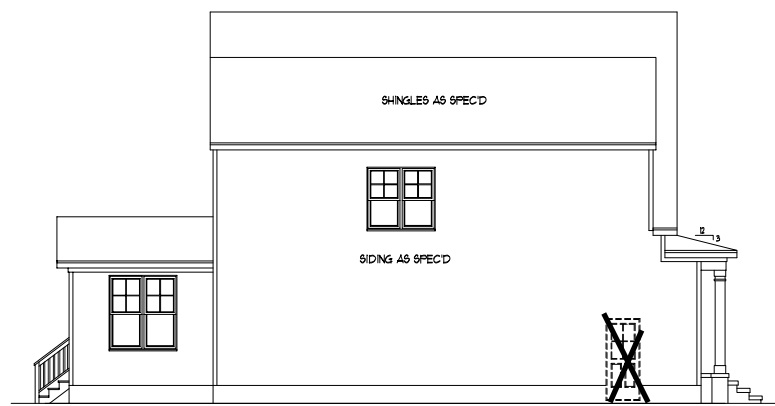
Bedrooms: 3 + Rec Room

Full Bathrooms: 2

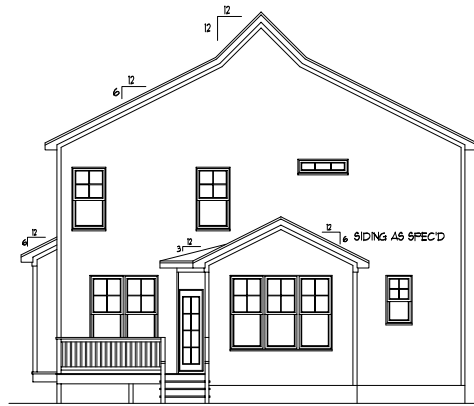
Half Bathrooms: 1



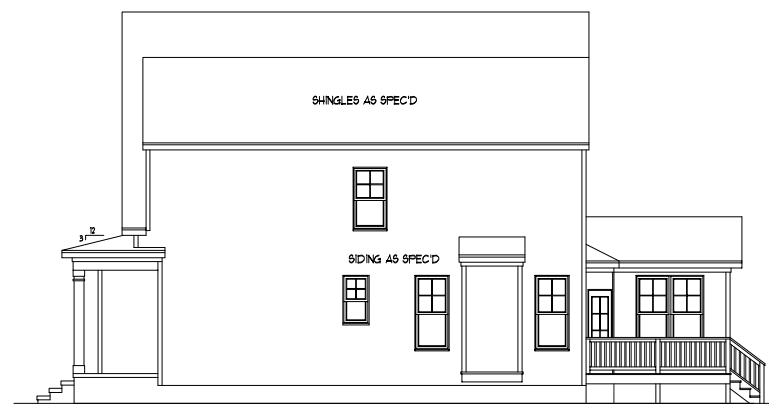
THIS PLAN CONFORMS TO THE 2018 EDITION OF THE I.R.C. / NORTH CAROLINA RESIDENTIAL CODE.



LEFT SIDE ELEVATION
SCALE: ----- 1/16" = 1'-0"



REAR ELEVATION
SCALE: ----- 1/16" = 1'-0"



RIGHT SIDE ELEVATION
SCALE: ----- 1/16" = 1'-0"



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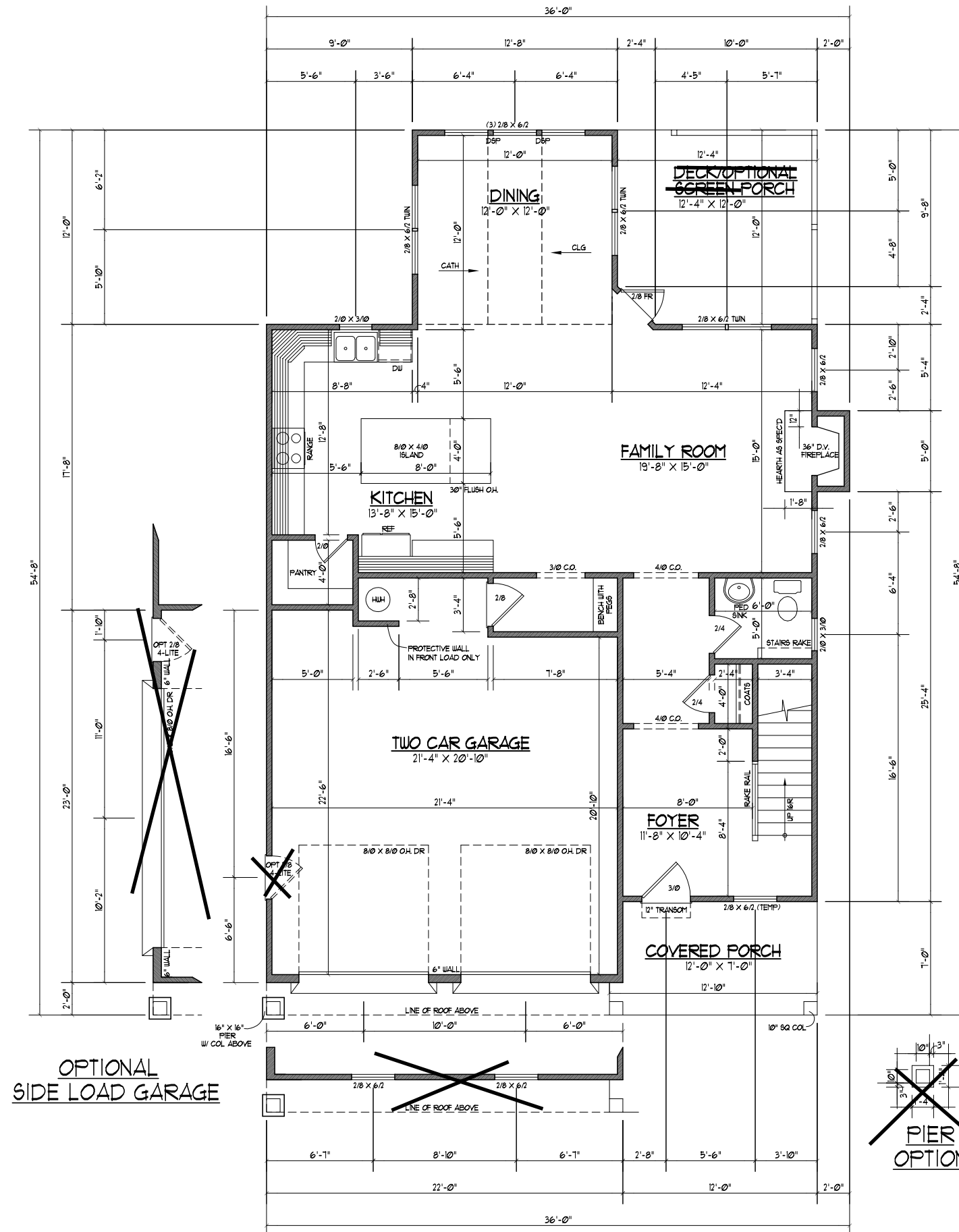
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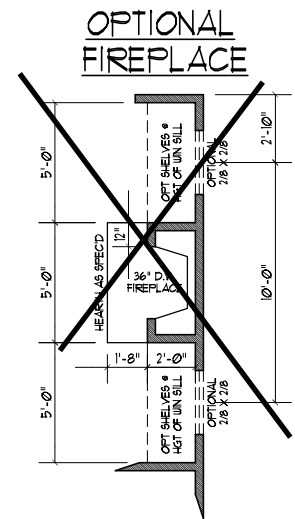
CAPITOL
PROJECT FOR: CITY HOMES
LOCATION: MULTI
LOT: MULTI
SUBDIVISION: MULTI
COUNTY: MULTI

KESSLER
PLAN NAME
C-2150-34GL
PLAN I.D.
11-04-19
DATE

A-1B
SHEET



Covered Porch
 ←



ELEVATION "B"
FIRST FLOOR PLAN
 SCALE: ----- 1/8" = 1'-0"

920	HEATED SQ. FT.
503	SQ. FT. GARAGE
86	SQ. FT. COVERED PORCH
145	SQ. FT. DECK/OPT. SCREEN PORCH
108	SQ. FT. OPTIONAL BBQ DECK

- NOTES:
- 9'-0" CLG. HGT. (9' - 1 1/2" FLT. HGT.) UNLESS OTHERWISE NOTED.
 - ALL WALLS FIGURED AT 4" WIDTHS
 - SET WINDOWS AT 1'-10" A.S.F. UNLESS OTHERWISE NOTED.
 - DIMENSIONS ARE TO FRAMING UNLESS OTHERWISE NOTED.
 - CONSULT WINDOW MANUFACTURER'S SPECS. FOR EGRESS REQUIREMENTS, PRESSURE RATINGS, & ROUGH OPENINGS.

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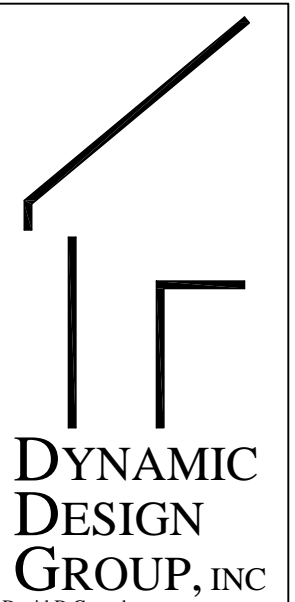
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Dimensions govern over scale, code governs over dimensions.

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 SUBDIVISION: MULTI
 COUNTY: MULTI

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C-2150-34GL 11-04-19 DATE
 PLAN I.D.

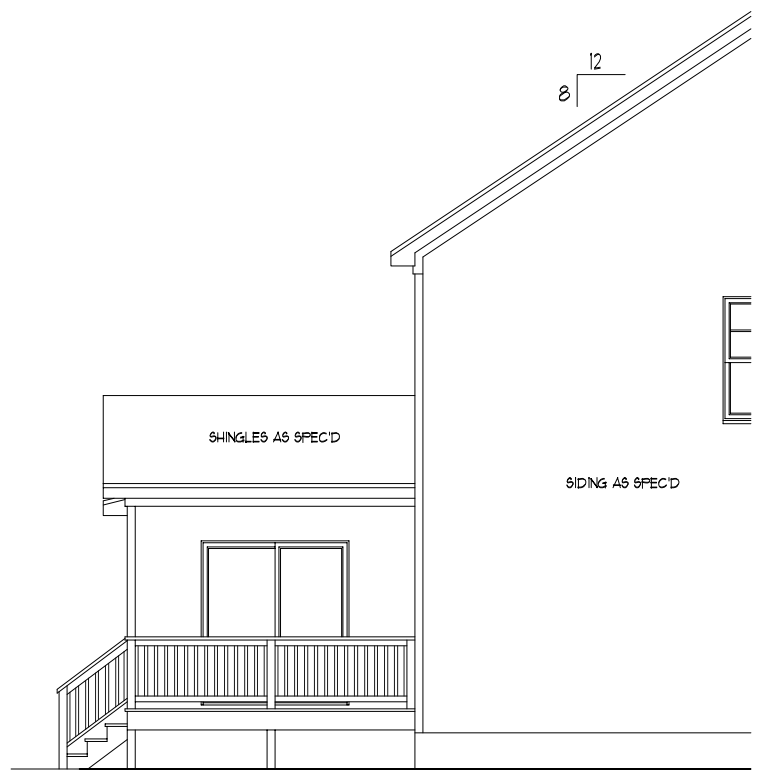
OPT SCREEN PORCH/BBQ DECK



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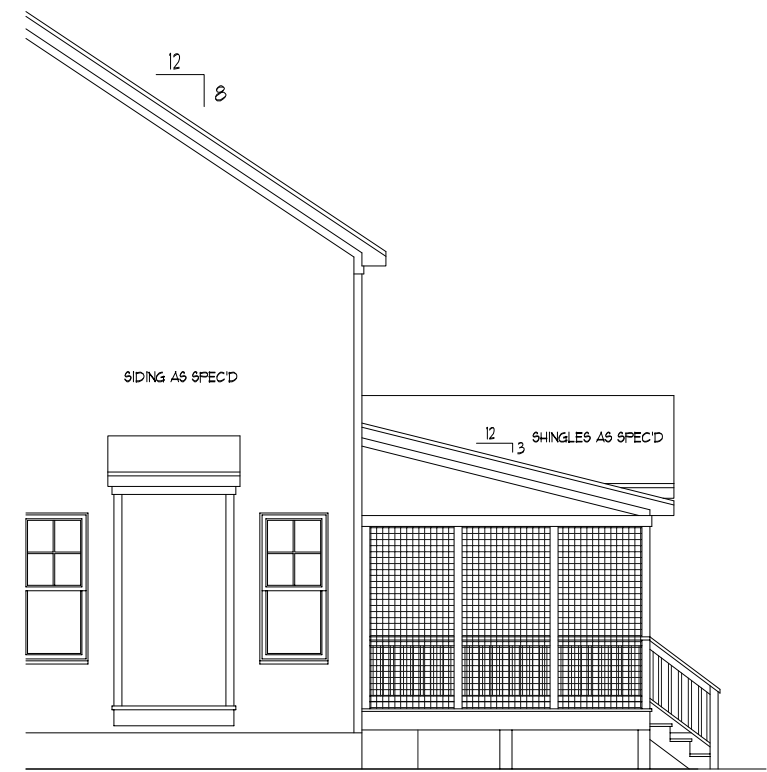
CAPITOL
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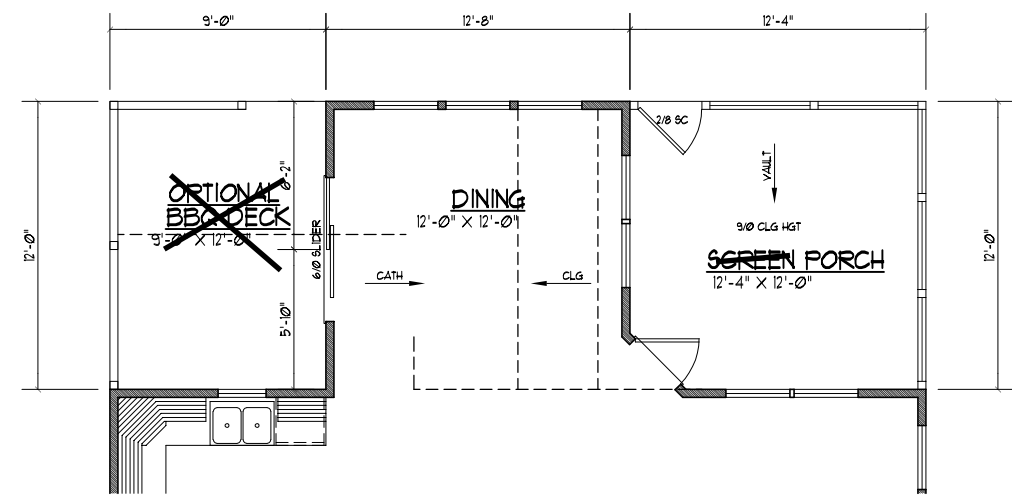
LEFT SIDE ELEVATION



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



RIGHT SIDE ELEVATION

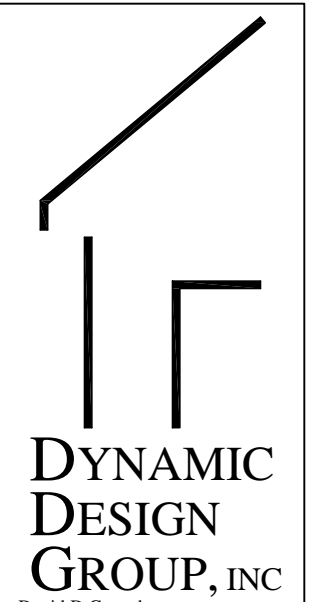


FLOOR PLAN
 SCALE: ----- 1/8" = 1'-0"

← Covered Porch

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11-04-19
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A-2 SCR PORCH / BBQ DECK OPTIONS
 SHEET



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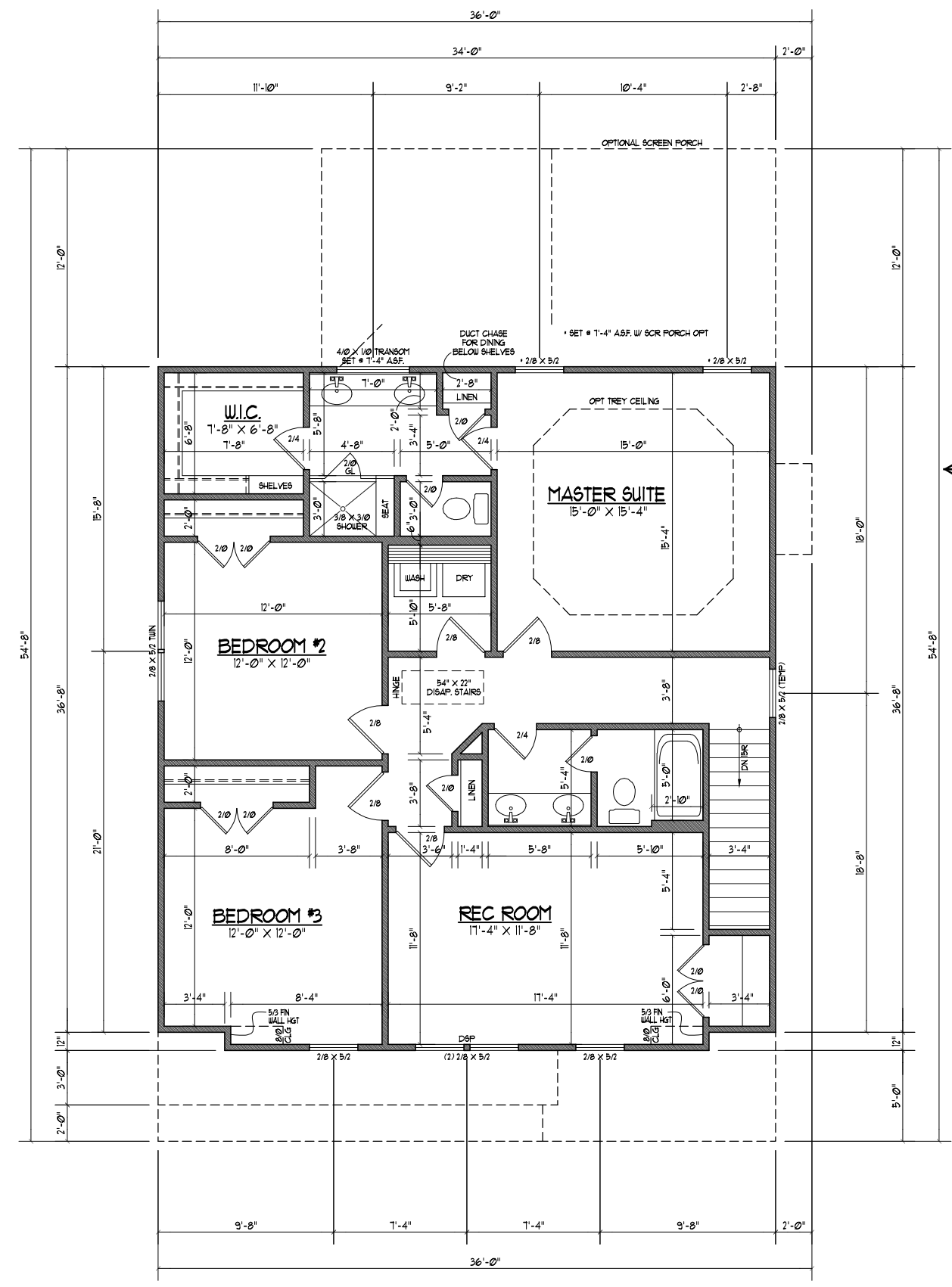
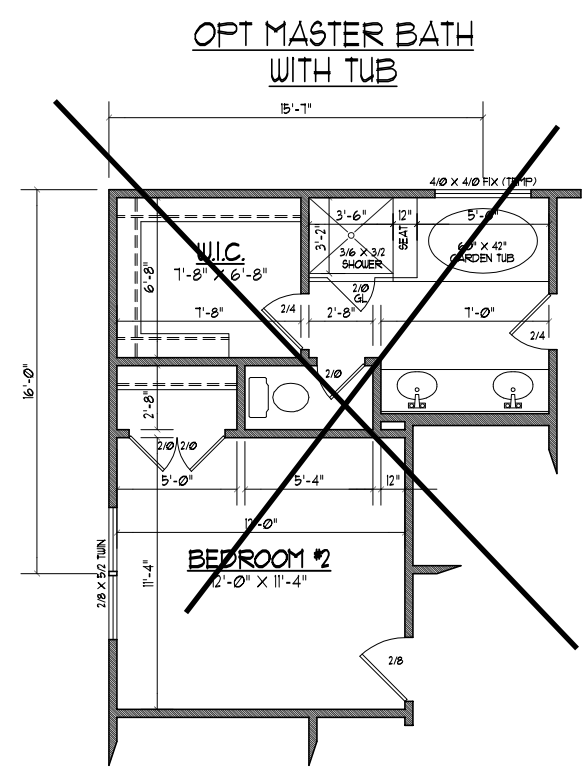
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 PLAN NAME
C-2150-34GL 11-04-19
 PLAN I.D. DATE

A-3B
 SHEET



**ELEVATION "B"
 SECOND FLOOR PLAN
 WITH REC ROOM**
 SCALE 1/8"=1'-0"

1226 HEATED SQ. FT.

OPTIONAL 9'-0" CEILING HEIGHT
 WITH WINDOWS SET @ 1'-4" A.S.F.

- NOTES:
- 1) 8'-0" CLG. HGT. (8' - 1 1/2" PLT. HGT.) UNLESS OTHERWISE NOTED.
 - 2) ALL WALLS FIGURED AT 4" WIDTHS UNLESS OTHERWISE NOTED.
 - 3) SET WINDOWS AT 6'-8" A.S.F. UNLESS OTHERWISE NOTED.
 - 4) DIMENSIONS ARE TO FRAMING UNLESS OTHERWISE NOTED.
 - 5) CONSULT WINDOW MANUFACTURER'S SPECS. FOR EGRESS REQUIREMENTS, PRESSURE RATINGS, & ROUGH OPENINGS.

OPTIONAL ELECTRICAL ITEMS
WITH ALL LIGHTS LISTED RESPECTIVE SWITCHES ARE ASSUMED
RECESSED LIGHTS
FLUORESCENT LIGHT IN LIEU OF RECESSED CANS @ KITCHEN ONLY
CEILING FANS IN LIEU OF FLUSH MOUNT
FLOODLIGHTS
HANGING LIGHTS @ KITCHEN
UNDER CABINET LIGHTS
EXTERIOR LIGHTS AT GARAGE DOOR

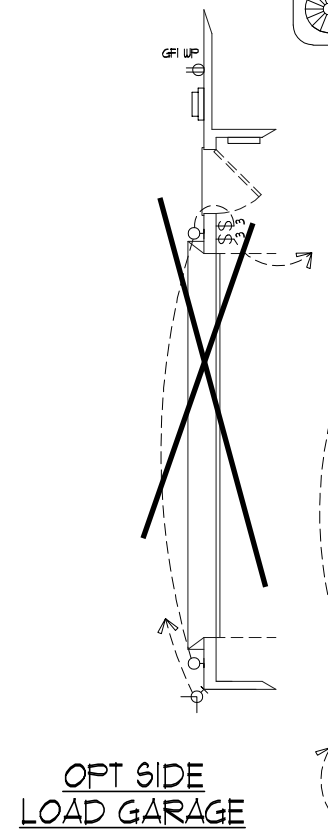
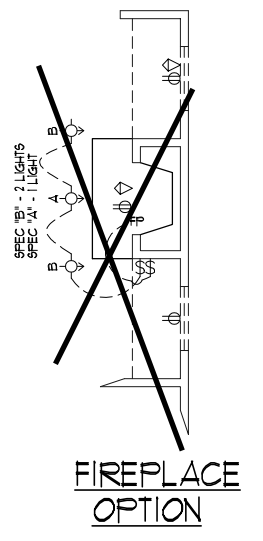
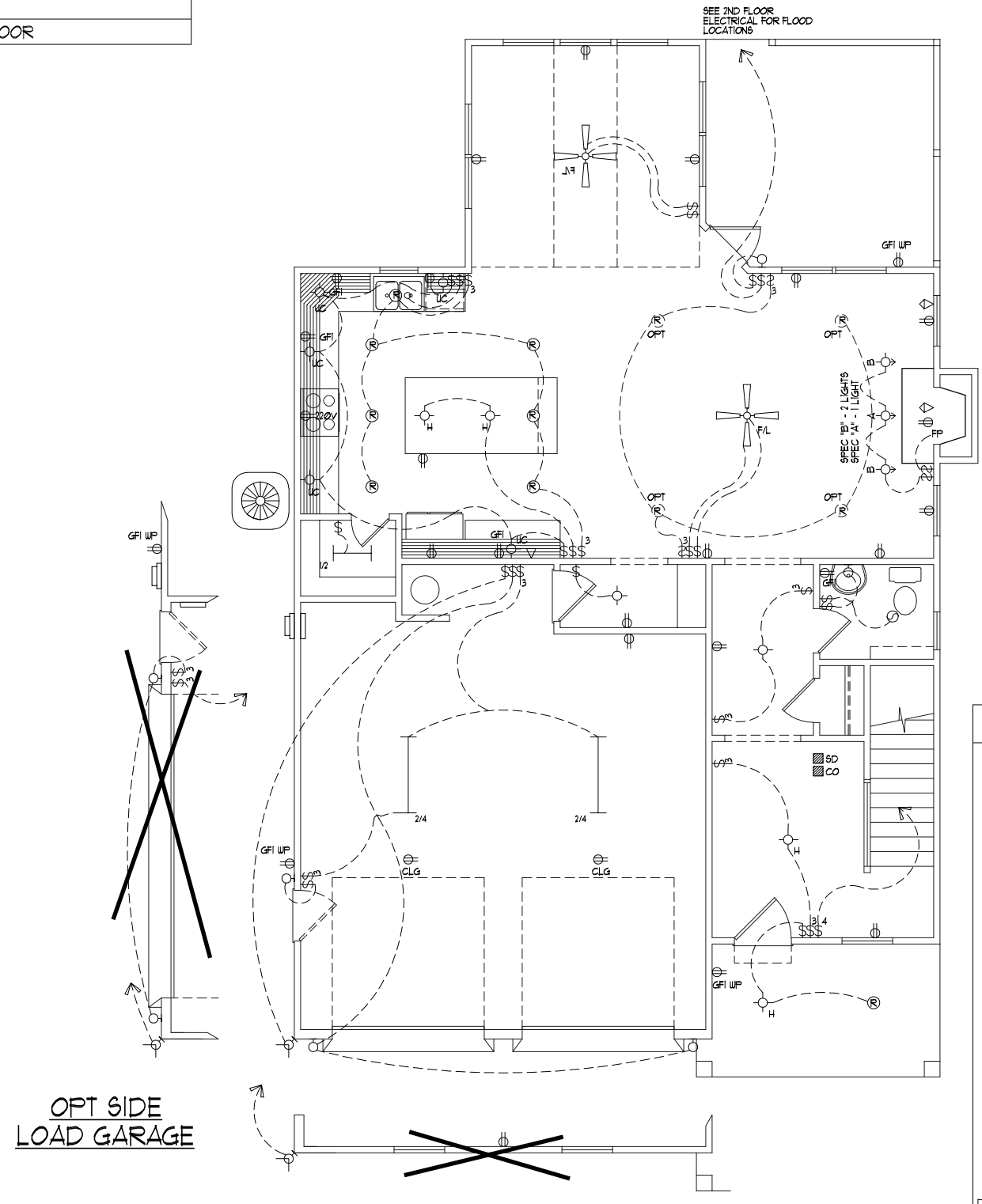


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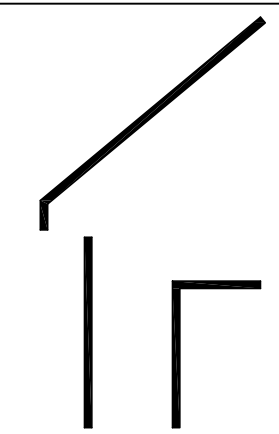
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 PROJECT FOR: CITY HOMES
 LOCATION: MULTI
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 COUNTY: MULTI



ELECTRICAL SYMBOLS			
	CEILING MOUNTED LIGHT FIXTURE		EXHAUST FAN
	DIRECTIONAL EYEBALL LIGHT FIXTURE		RECESSED SHOWER LIGHT
	RECESSED LIGHT FIXTURE		EXTERIOR FLOOD LIGHT
	MINI RECESSED LIGHT FIXTURE		SMOKE DETECTOR
	WALL MOUNTED LIGHT FIXTURE		CARBON MONOXIDE DETECTOR
	FLUORESCENT LIGHT 1/2 -- 1 BULB @ 2' 2/2 -- 2 BULB @ 2' 1/4 -- 1 BULB @ 4' 2/4 -- 2 BULB @ 4' 4/4 -- 4 BULB @ 4'		DOOR CHIMES
	HANGING LIGHT FIXTURE		ELECTRICAL PANEL
	TELEPHONE JACK		METERBOX
	CABLE JACK		A/C UNIT
	KEYLESS LIGHT FIXTURE		110V OUTLET
	CEILING FAN WITH LIGHT FIXTURE		220V OUTLET
	UNDER CABINET LIGHT		SINGLE SWITCH
			3-WAY SWITCH
			4-WAY SWITCH
			OUTDOOR OUTLET
			GFI

FIRST FLOOR ELECTRICAL LAYOUT

KESSLER
 PLAN NAME
 C-2150-34GL 11-04-19
 PLAN I.D. DATE



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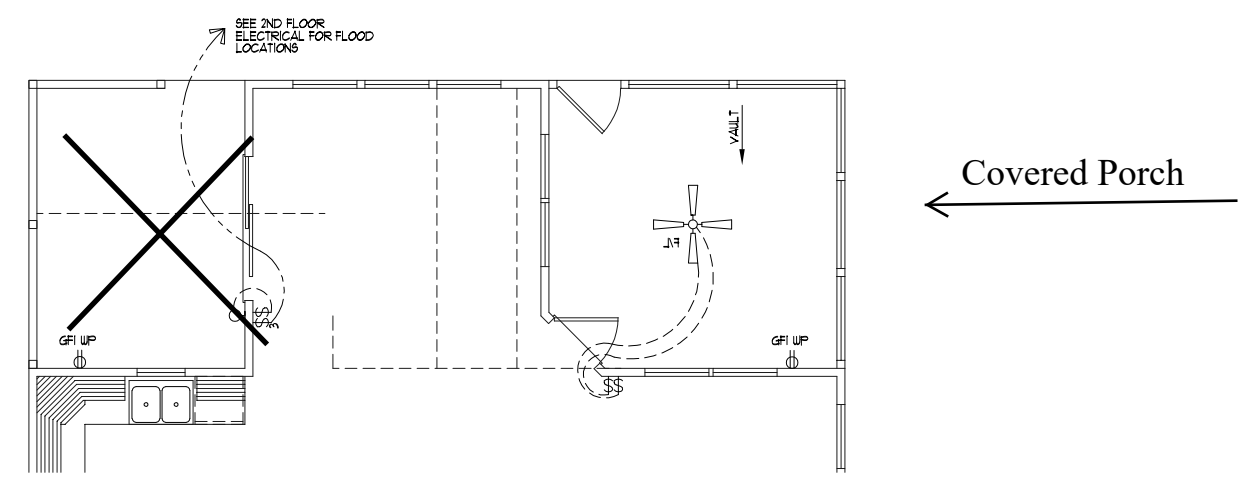
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SCR PORCH
/BBQ DECK
OPTIONS
SHEET



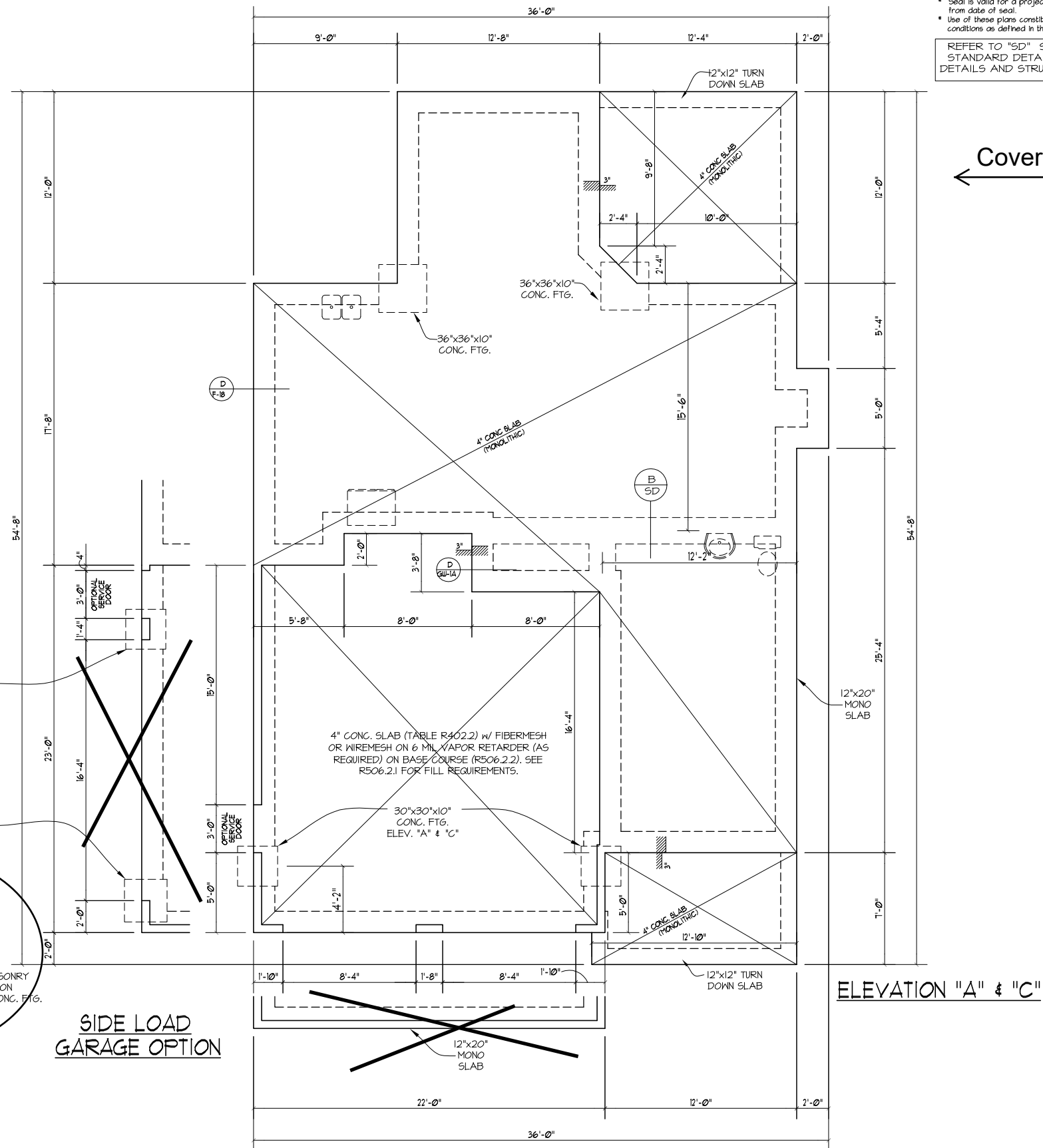
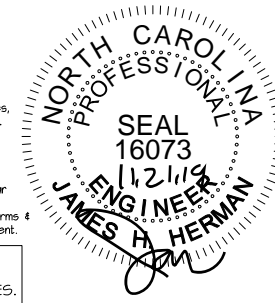
OPTIONAL
SCREEN PORCH/BBQ DECK
ELECTRICAL LAYOUT

SEE NEXT PAGE

SOUTHERN ENGINEERS, P.A.
 3716 BENSON DR., RALEIGH, NC (919) 878-1617
 LICENSE: C-12871, PHONE: 919-878-1617
 PROJECT # 17-1793GL

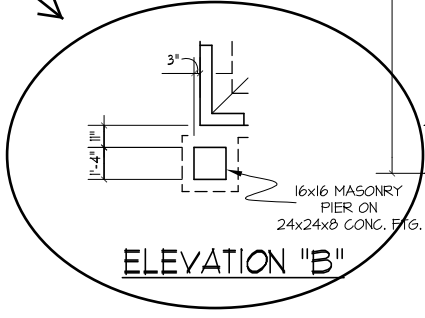
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- Use of these plans constitutes approval of terms & conditions as defined in the customer agreement.

REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS AND STRUCTURAL NOTES.



← Covered POrch

ELEVATION "A" & "C"



SIDE LOAD GARAGE OPTION

MONOLITHIC SLAB FOUNDATION PLAN
 SCALE: ----- 1/8"=1'-0"

NOTES:
 1) SEE SHEET D-1 FOR DETAILS.
 2) DIMENSIONS ARE TO EXTERIOR OF FOUNDATION.

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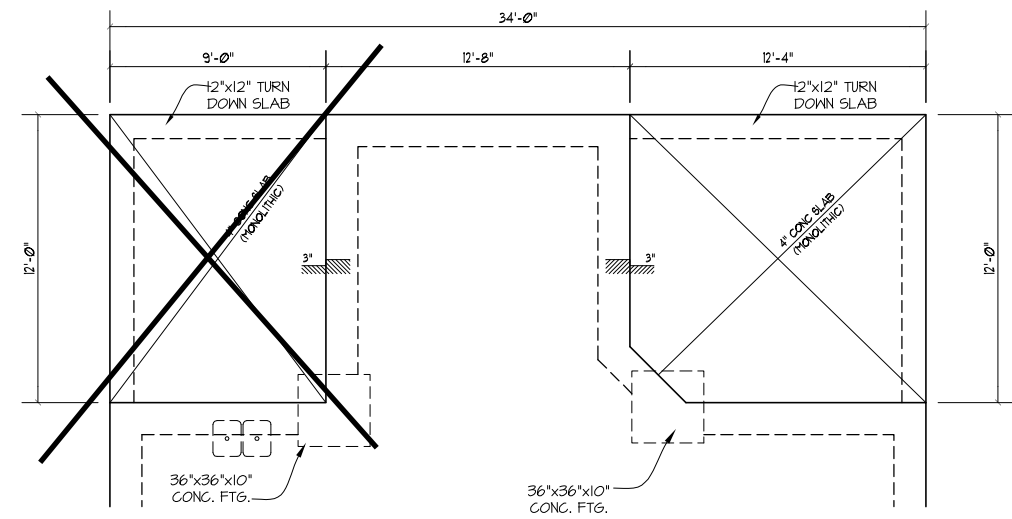
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 COUNTY: MULTI

KESSLER
 PLAN NAME
C-2150-34GL 11-04-19
 PLAN I.D. DATE

S-1
 SHEET

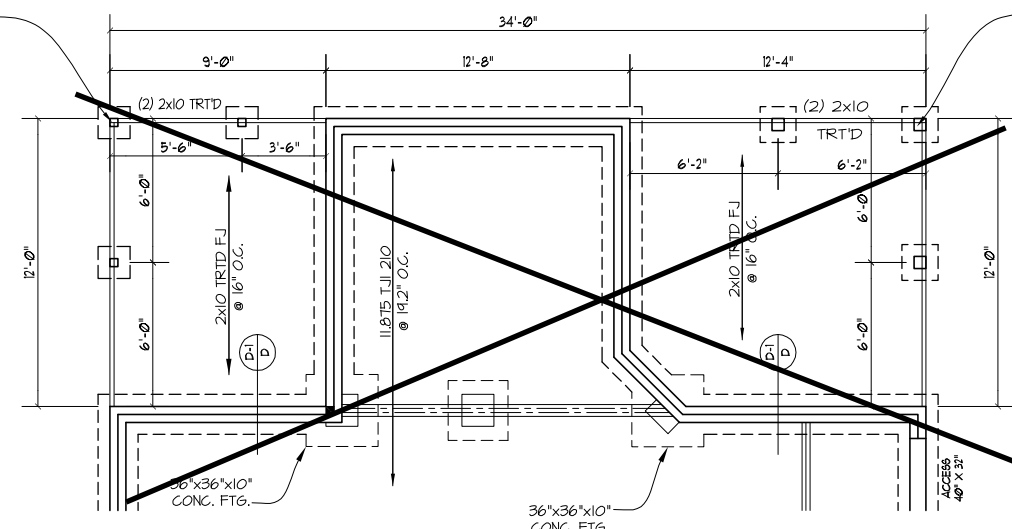
Covered Porch →



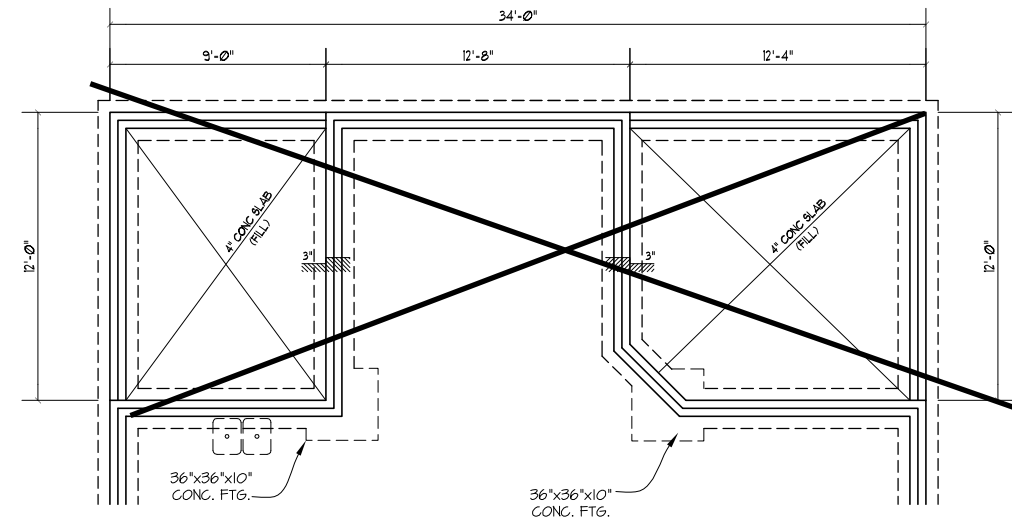
**SCREEN PORCH/BBQ DECK
WITH MONOLITHIC SLAB FOUNDATION**

DECK:
4x4 P.T. POST ON 16"x16"x8"
CONCRETE FTG. (TYP), BRACE
POSTS PER APPENDIX M.

SCREEN PORCH:
6x6 P.T. POST ON 24"x24"x8"
CONCRETE FTG. (TYP), BRACE
POSTS PER APPENDIX M.



**SCREEN PORCH/BBQ DECK
WITH CRAWLSPACE FOUNDATION**

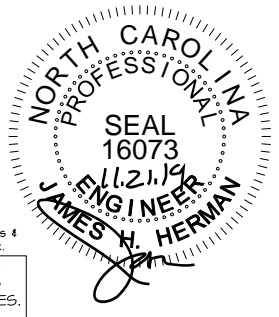


**SCREEN PORCH/BBQ DECK
WITH STEM WALL/SLAB FOUNDATION**

STRUCTURAL DESIGN BY:
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- Seal is valid for a project permitted one year from date of seal.
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SUBDIVISION: MULTI

COUNTY: MULTI

KESSLER

PLAN NAME: C-2150-34GL PLAN I.D. DATE: 11-04-19

**SCREEN PORCH/BBQ DECK
FOUNDATION OPTIONS**

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

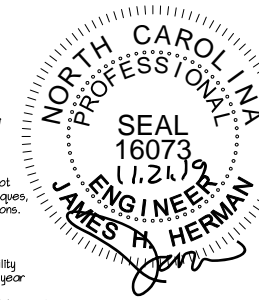
NOTES:
1) SEE SHEET D-1 FOR DETAILS.
2) DIMENSIONS ARE TO EXTERIOR OF FOUNDATION.

S-1 SCR PORCH / BBQ DECK OPTIONS SHEET

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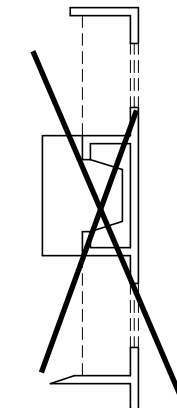


WHOLE HOUSE BRACING SUMMARY

TOTAL REQUIRED BRACING: 81
TOTAL PROVIDED BRACING: 158
(IN FEET)

HEADER/BEAM & COLUMN NOTES

- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2x6 (4" WALL) OR (3)2x6 (6" WALL) WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE.
- THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN. THE NUMBER OF KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO ITEM "d" IN TABLE R602.3(5) OR AS BELOW:
 - UP TO 4' SPAN: (1) KING STUD
 - OVER 4' UP TO 8' SPAN: (2) KING STUDS
 - OVER 8' UP TO 11' SPAN: (3) KING STUDS
 - OVER 11' SPAN: (4) KING STUDS



OPTIONAL FIREPLACE

LVL SCHEDULE		
(2) 1.75x14 - 34'	1H	
(2) 1.75x14 - 16'	2H	

**ELEVATION "B"
FIRST FLOOR CEILING /
STRUCTURAL PLAN**

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

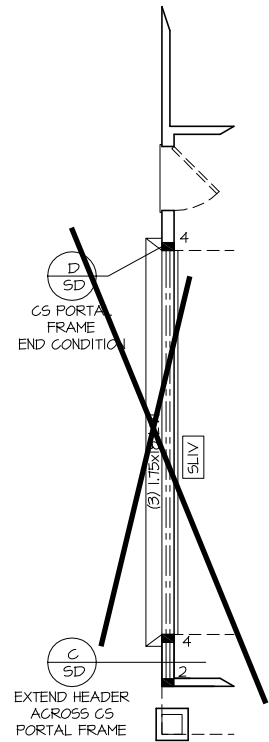
NOTES:

- SHADED WALLS DENOTE LOAD BEARING WALLS.
- DENOTES SOLID STUDS.

FRAMING NOTES

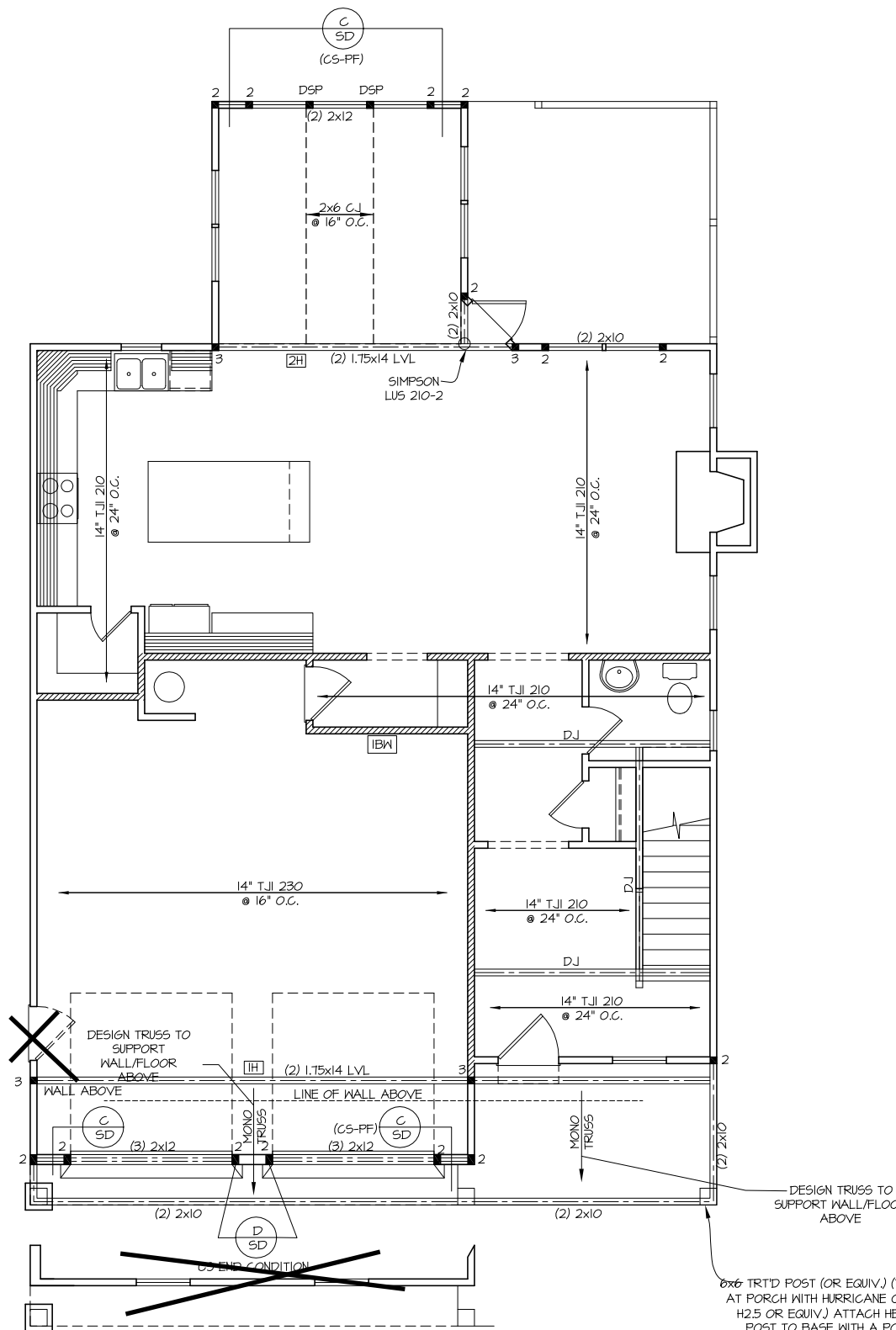
NC (2018 NCRS); Wind: 115-120 mph

- BRACING METHOD AND TYPE: CONTINUOUSLY SHEATHED WSP. CS-WSP. NOTE THAT THE WALL BRACING AMOUNT PROVIDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF WALL BRACING REQUIRED BY THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING AND WALL FRAMING.
- EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (WSP) (EXPOSURE B; 7/16". EXPOSURE C; 15/32"). SHEATHING SHALL BE ATTACHED WITH 8d NAILS AT A 6"X12" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES.
- WSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE. BLOCK AT ROOF AND ATTACH BRACED WALLS PER CODE. WSP SHEATHING BETWEEN FLOORS SHALL BE SPLICED ALONG CONTINUOUS BAND OR THE WSP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.
- "HD" = HOLD-DOWN: HOLD-DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND CAPACITY ASSEMBLY AS NOTED ON PLANS. SEE DETAILS FOR HD ASSEMBLY.
 - **GROUND/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON SD SHEET (OR EQUIV.)
 - **UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON CS22 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 1" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ (7) 8d NAILS.
- INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH 1/2" GYPSUM BOARD (GB) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.
- INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH 3/8" WSP SHEATHING WITH 8d NAILS AT A 6"X12" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. ATTACH GB OVER WSP AS REQUIRED. ATTACH OPPOSITE SIDE WITH 1/2" GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.



OPTIONAL SIDE LOAD GARAGE

LVL SCHEDULE		
ADD	SLIV	(3) 1.75x18-20'



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PROJECT FOR: CAPITOL CITY HOMES

LOCATION: MULTI

LOT: MULTI

SUBDIVISION: MULTI

COUNTY: MULTI

KESSLER

PLAN NAME: C-2150-34GL DATE: 11-04-19

PLAN I.D.: _____

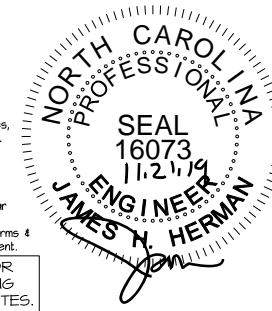
S-2B

SHEET

STRUCTURAL DESIGN BY:
SOUTHERN ENGINEERS, P.A.
3716 BENSON DR., RALEIGH, NC (919) 878-1611
LICENSE: C-1281, PHONE: (919) 878-1611
PROJECT # 17-1793GL

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- Seal is valid for a project permitted one year from date of seal.
- Use of these plans constitutes approval of terms & conditions as defined in the customer agreement.

REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS AND STRUCTURAL NOTES.



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CAPITOL PROJECT FOR: CITY HOMES
LOCATION: MULTI
LOT: MULTI
SUBDIVISION: MULTI
COUNTY: MULTI

KESSLER
PLAN NAME
C-2150-34GL
PLAN I.D.
11-04-19
DATE

S-2 SCR PORCH OPTION
SHEET

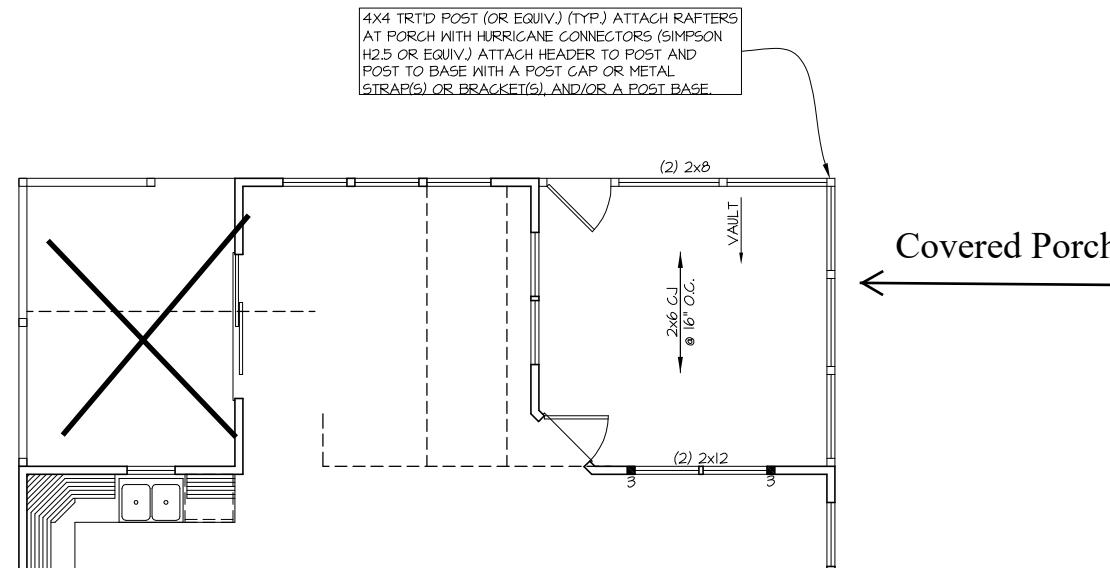
HEADER/BEAM & COLUMN NOTES

- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2x6 (4" WALL) OR (3)2x6 (6" WALL) WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE.
- THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN. THE NUMBER OF KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO ITEM "d" IN TABLE R602.3(5) OR AS BELOW:
 - UP TO 4' SPAN: (1) KING STUD
 - OVER 4' UP TO 8' SPAN: (2) KING STUDS
 - OVER 8' UP TO 11' SPAN: (3) KING STUDS
 - OVER 11' SPAN: (4) KING STUDS

FRAMING NOTES

NC (2018 NCRS): Wind: 115-120 mph

- BRACING METHOD AND TYPE: CONTINUOUSLY SHEATHED WSP; C5-WSP. NOTE THAT THE WALL BRACING AMOUNT PROVIDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF WALL BRACING REQUIRED BY THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING AND WALL FRAMING.
- EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (WSP) (EXPOSURE B: 7/16", EXPOSURE C: 15/32"). SHEATHING SHALL BE ATTACHED WITH 8d NAILS AT A 6" O.C. AT INTERMEDIATE SUPPORTS. INSTALL BLOCKING AT ALL PANEL EDGES.
- WSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE. BLOCK AT ROOF AND ATTACH BRACED WALLS PER CODE. WSP SHEATHING BETWEEN FLOORS SHALL BE SPLICED ALONG CONTINUOUS BAND OR THE WSP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.
- "HD" = HOLD-DOWN: HOLD-DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND CAPACITY ASSEMBLY AS NOTED ON PLANS. SEE DETAILS FOR HD ASSEMBLY.
 - **GROUND/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON SD SHEET (OR EQUIV.)
 - **UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON C522 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 1" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ (1) 8d NAILS.
- INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH 1/2" GYPSUM BOARD (GB) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1' O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.
- INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH 3/8" WSP SHEATHING WITH 8d NAILS AT A 6" O.C. AT INTERMEDIATE SUPPORTS. INSTALL BLOCKING AT ALL PANEL EDGES. ATTACH GB OVER WSP AS REQUIRED. ATTACH OPPOSITE SIDE WITH 1/2" GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1' O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.



SCREEN PORCH CEILING / STRUCTURAL PLAN

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

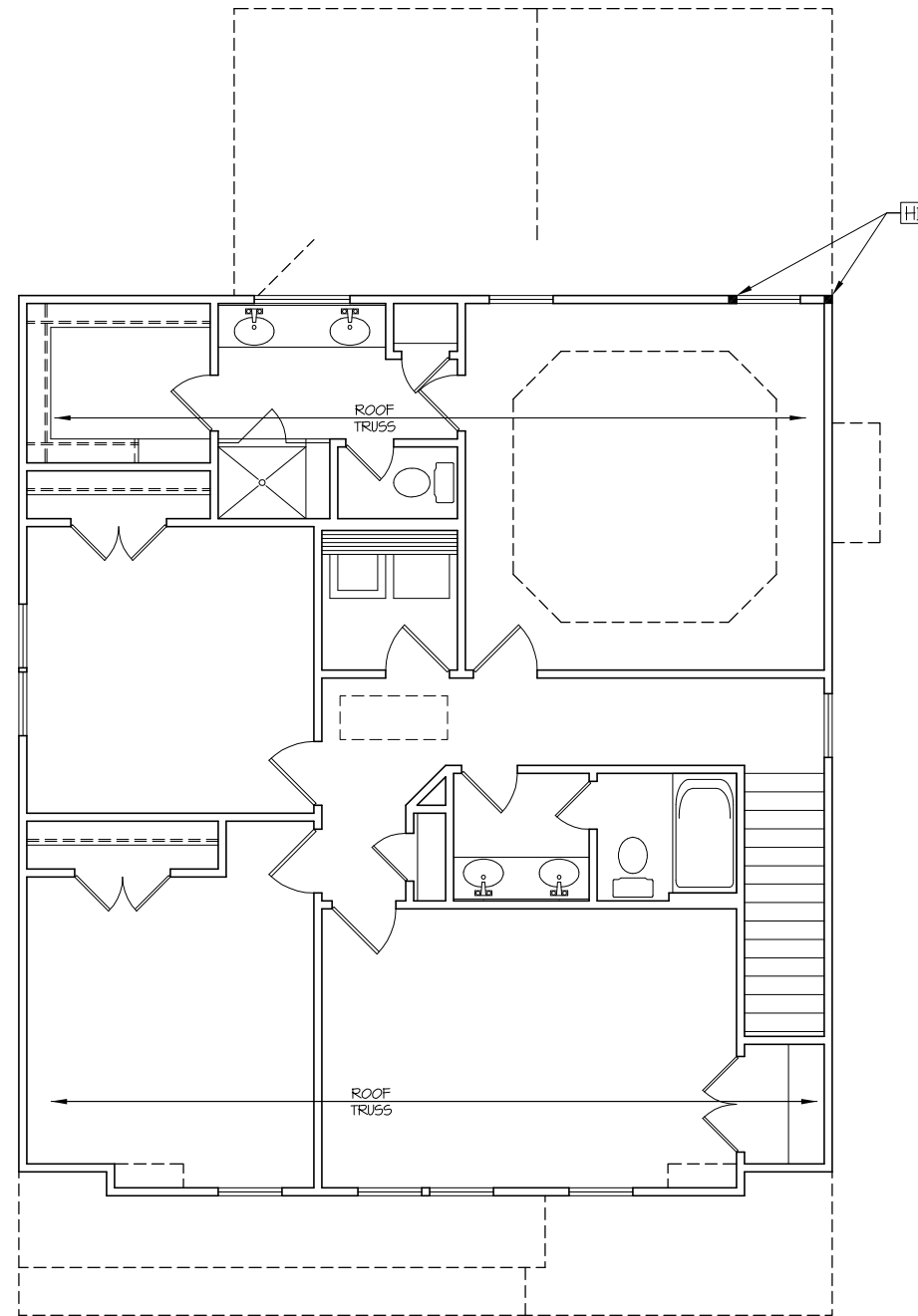
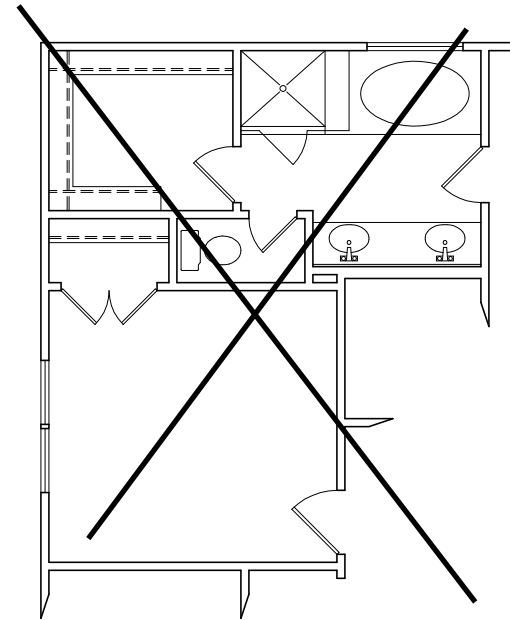
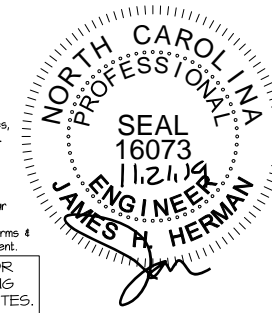
NOTES:

- SHADED WALLS DENOTE LOAD BEARING WALLS.
- DENOTES SOLID STUDS.

STRUCTURAL DESIGN BY:
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3716 BENSON DR., RALEIGH, NC (919) 878-1617
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PROJECT # 17-1793GL

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FRAMING NOTES

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 - **UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON CS22 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 1" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ (1) 8d NAILS.
- INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH 1/2" GYPSUM BOARD (GB) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.
- INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH 3/8" WSP SHEATHING WITH 8d NAILS AT A 6"X12" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. ATTACH GB OVER WSP AS REQUIRED. ATTACH OPPOSITE SIDE WITH 1/2" GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 7" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

**ELEVATION "B"
WITH REC ROOM
SECOND FLOOR CEILING/
STRUCTURAL PLAN**

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

- NOTES:**
- SHADED WALLS DENOTE LOAD BEARING WALLS.
 - DENOTES SOLID STUDS.

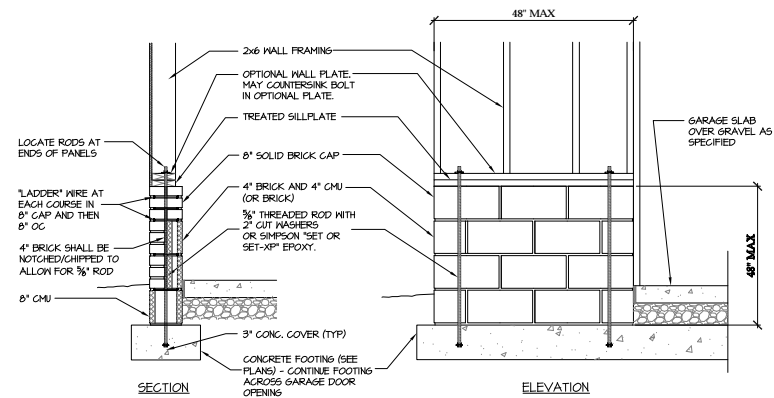
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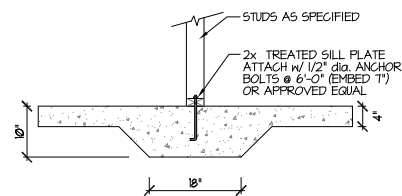
CAPITOL
PROJECT FOR: CITY HOMES
LOCATION: MULTI
LOT: MULTI
SUBDIVISION: MULTI
COUNTY: MULTI

KESSLER
PLAN NAME
C-2150-34GL
PLAN I.D.
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DATE

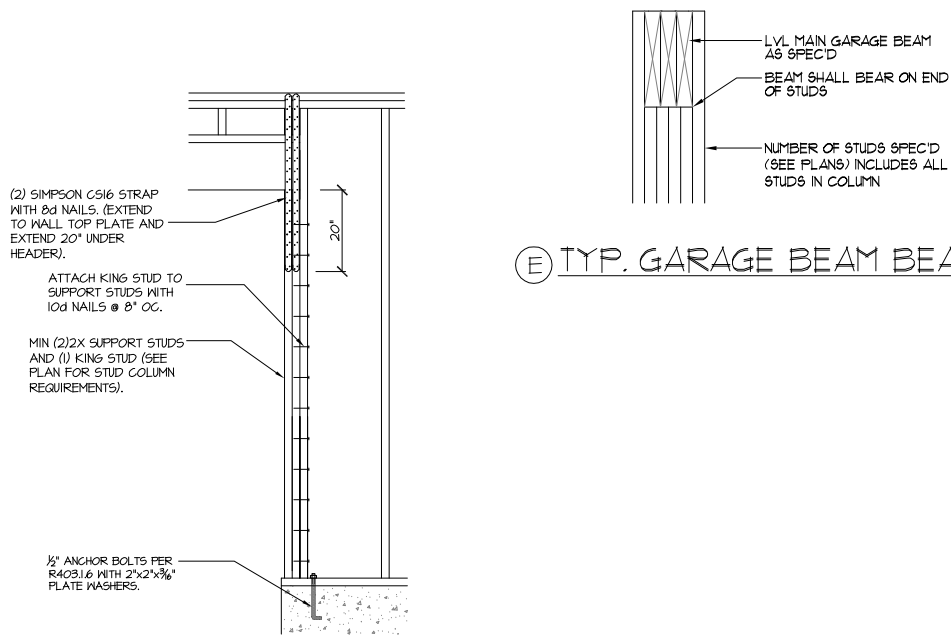
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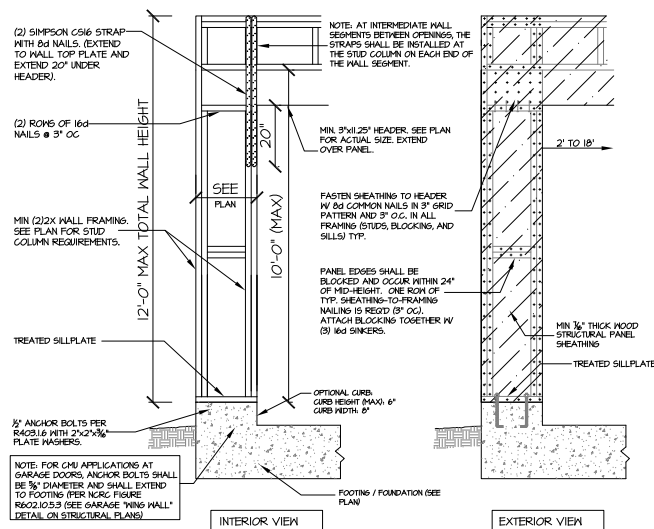
A GARAGE 'WING WALL' REINFORCING
(CODE REFERENCE: IRC FIGURE R602.10.5.3)



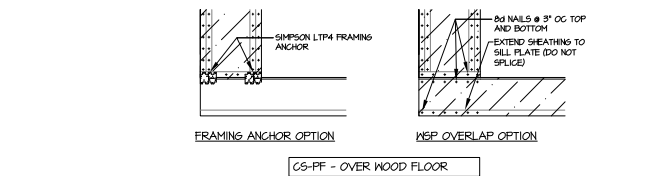
B TYPICAL THICKENED SLAB
NTS



D END CONDITION DETAIL
(FOR USE WITH SINGLE CS-PF CONDITION)
DETAIL AND APPLICATION BASED ON NCRG FIGURE R602.10.1 - PORTAL FRAME CONSTRUCTION

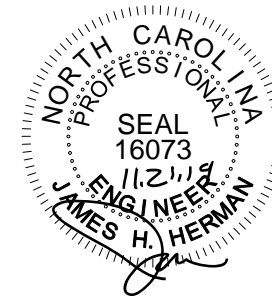


E TYP. GARAGE BEAM BEARING
NTS



C CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION
DETAIL AND APPLICATION BASED ON NCRG FIGURE R602.10.1 - PORTAL FRAME CONSTRUCTION

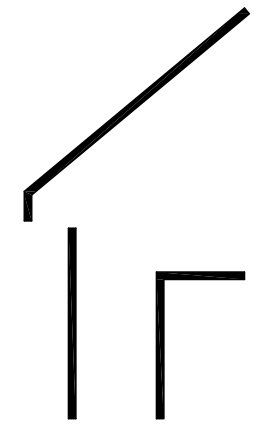
STRUCTURAL DESIGN BY:
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3716 BENSON DR., RALEIGH, NC (919) 878-1617
LICENSE: C-1281, PHONE: 919-878-1617
PROJECT # 17-1743GL



STRUCTURAL NOTES

NC (2018 NCRG): Wind: 115-120 mph

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPs, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM, FOOTING, AND PILING SYSTEM. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM. ALL REQUIREMENTS FOR PROFESSIONAL CERTIFICATION SHALL BE PROVIDED BY THE APPROPRIATE PROFESSIONAL. SOUTHERN ENGINEERS, P.A. CERTIFIES ONLY THE STRUCTURAL COMPONENTS AS SPECIFICALLY STATED.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF RESIDENTIAL CODE, 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 FOR 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. "CONSTRUCTION REVIEW" SERVICES ARE NOT PART OF OUR CONTRACT. ALL MEMBERS SHALL BE FRAMED ANCHORED, TIED AND BRACED IN ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE AND THE BUILDING CODE.
- DESIGN LOADS (LISTED AS: LIVE LOAD, DEAD LOAD, DEFLECTION)
 - ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, 10 PSF, L/360)
 - SLEEPING ROOMS: (30 PSF, 10 PSF, L/360)
 - ATTIC WITH PERMANENT STAIR: (40 PSF, 10 PSF, L/360)
 - ATTIC WITHOUT PERMANENT STAIR: (20 PSF, 10 PSF, L/360)
 - ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, L/240)
 - STAIRS: (40 PSF, 10 PSF, L/360)
 - EXTERIOR BALCONIES: (60 PSF, 10 PSF, L/360)
 - DECKS: (40 PSF, 10 PSF, L/360)
 - GUARDRAILS AND HANDRAILS: (200 LBS)
 - PASSENGER VEHICLE GARAGES: (50 PSF, 10 PSF, L/360)
 - FIRE ESCAPES: (40 PSF, 10 PSF, L/360)
 - SNOW: (20 PSF)
- WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANELS. SEE FRAMING NOTES FOR THICKNESS AND NAILING REQUIREMENTS.
- SEE APPENDIX M (DCA6) FOR EXTERIOR DECK REQUIREMENTS INCLUDING ATTACHMENTS FOR LATERAL LOADS.
- CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (INO). AIR ENTRAINED PER TABLE 402.2. ALL CONCRETE SHALL BE PROPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND PLACED IN ACCORDANCE WITH ACI STANDARDS. ALL SAMPLES FOR PUMPING SHALL BE TAKEN FROM THE EXIT END OF THE PUMP. CONTROL JOINTS IN SLABS SHALL BE SPACED ON A GRID OF +30 TIMES THE DEPTH (D). CONTROL JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/3. (I.E. 4" CONCRETE SLABS SHALL HAVE 1/4" DEEP CONTROL JOINTS SAWCUT IN SLAB ON A +10'-0" x +10'-0" GRID).
- ALLOWABLE SOIL BEARING PRESSURE ASSUMED TO BE 2000 PSF. THE CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER IF UNSATISFACTORY SUBSURFACE CONDITIONS ARE ENCOUNTERED. THE SURFACE AREA ADJACENT TO THE FOUNDATION WALL SHALL BE PROVIDED WITH ADEQUATE DRAINAGE, AND SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS.
- ALL FRAMING LUMBER SHALL BE SPF #2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (INO). ALL TREATED LUMBER SHALL BE SYP #2. PLATE MATERIAL MAY BE SPF #3 OR SYP #3 (Fc(perp) = 425 PSI - MIN).
- L.V.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=285 PSI, E=1.9x10⁶ PSI.
 - P.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=2400 PSI, Fv=290 PSI, E=2.0x10⁶ PSI.
 - L.S.L. SHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=1.55x10⁶ PSI. INSTALL ALL CONNECTIONS PER MANUFACTURERS INSTRUCTIONS.
- ALL ROOF TRUSS AND I-JOIST LAYOUTS SHALL BE PREPARED IN ACCORDANCE WITH THE SEALED STRUCTURAL DRAWINGS. TRUSSES AND I-JOISTS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURE'S SPECIFICATIONS. ANY CHANGE IN TRUSS OR I-JOIST LAYOUT SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- ALL STRUCTURAL STEEL SHALL BE ASTM A-36. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER x 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOIST ARE TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED OR BOLTED TO THE BEAM FLANGE @ 48" O.C. ALL STEEL TUBING SHALL BE ASTM A500. LAP ALL REBAR SPLICES 30 BAR DIAMETERS.
- REBAR SHALL BE DEFORMED STEEL, ASTM615, GRADE 60.
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM A325) WITH WASHERS PLACED UNDER THE THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" O.C. (MAX), AND STAGGERED AT THE TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH 2 BOLTS LOCATED AT 6" FROM EACH END.
- BRICK LINTELS (WHEN REQUIRED) SHALL BE 3 1/2"x3 1/2"x1/4" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6"x4"x5/16" STEEL ANGLE WITH 6" LEG VERTICAL FOR SPANS UP TO 9'-0". SEE PLANS FOR SPANS OVER 9'-0". SEE ALSO SECTION RT03.1.3 LINTELS.



DYNAMIC DESIGN GROUP, INC

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KESSLER

PLAN NAME

C-2150-34GL

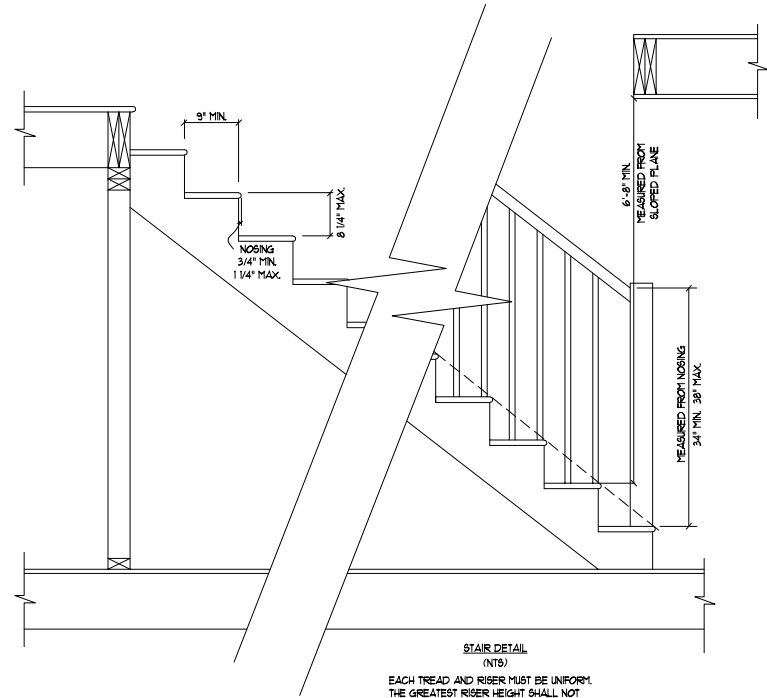
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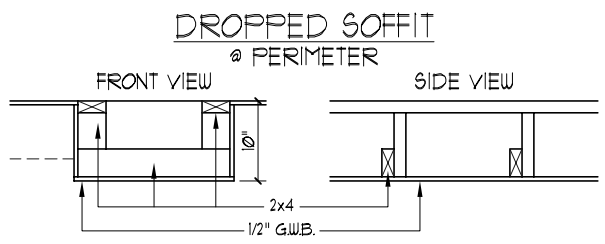
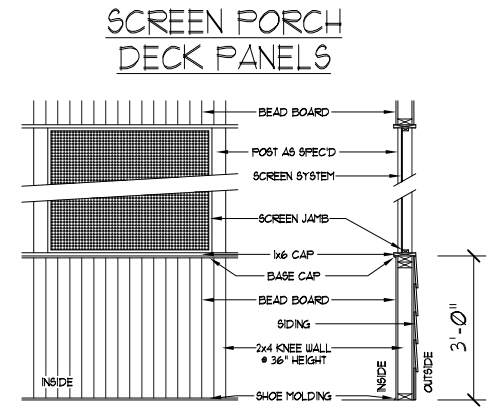
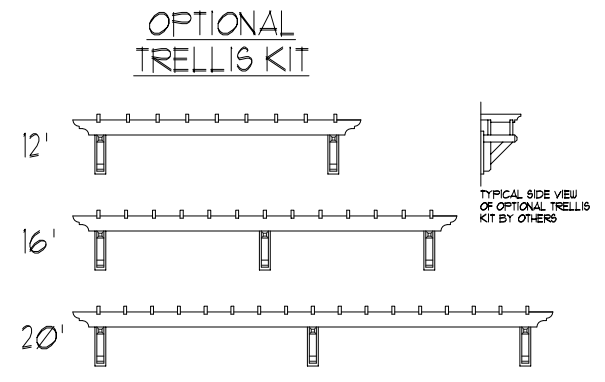
PLAN I.D.

SD

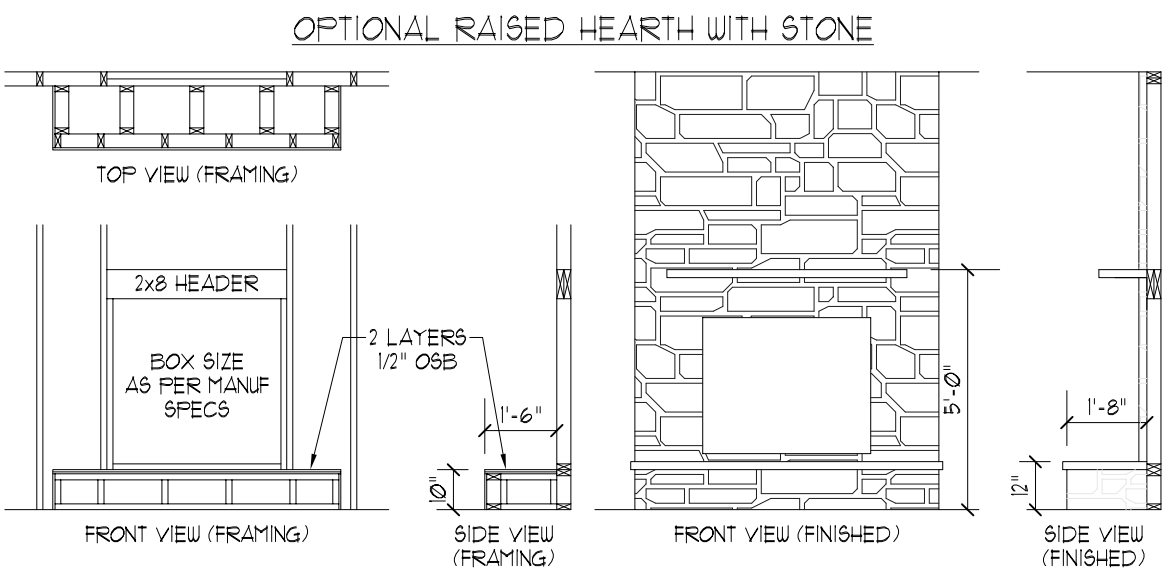
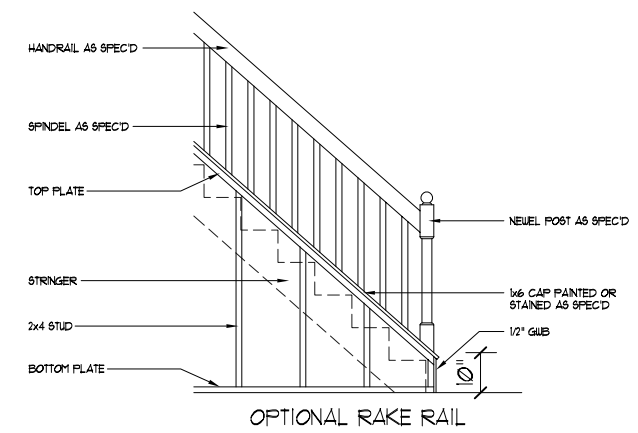
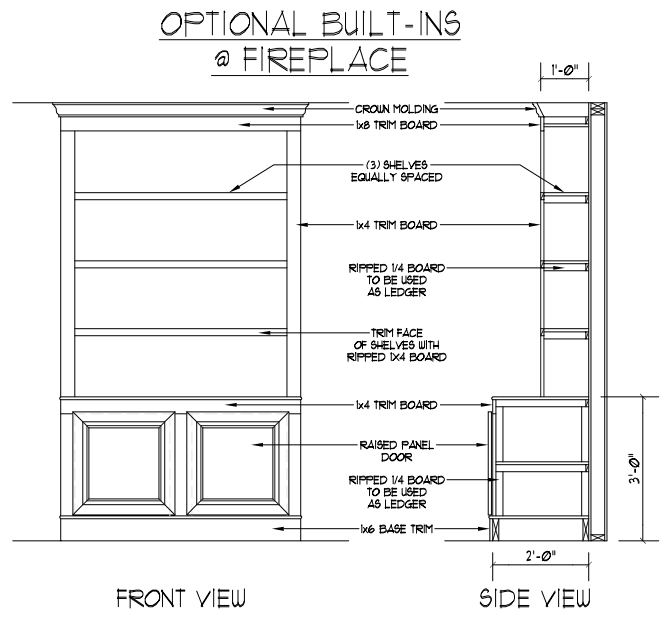
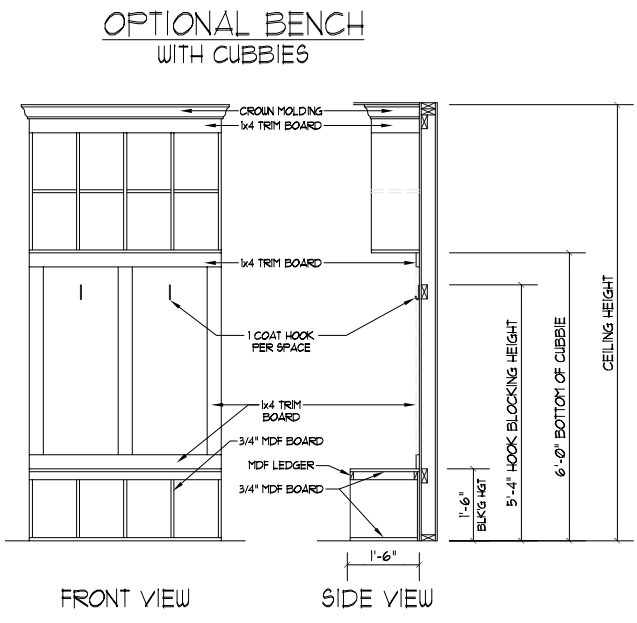
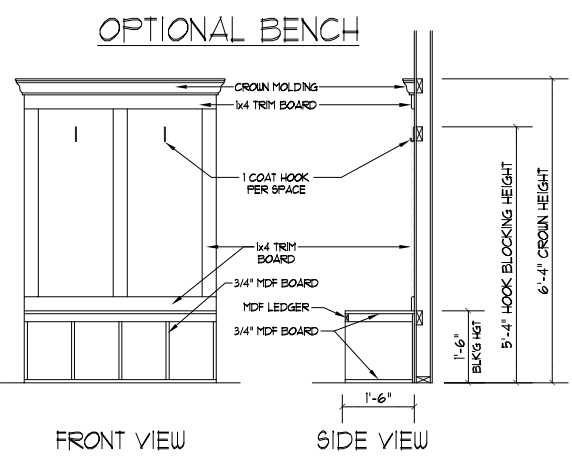
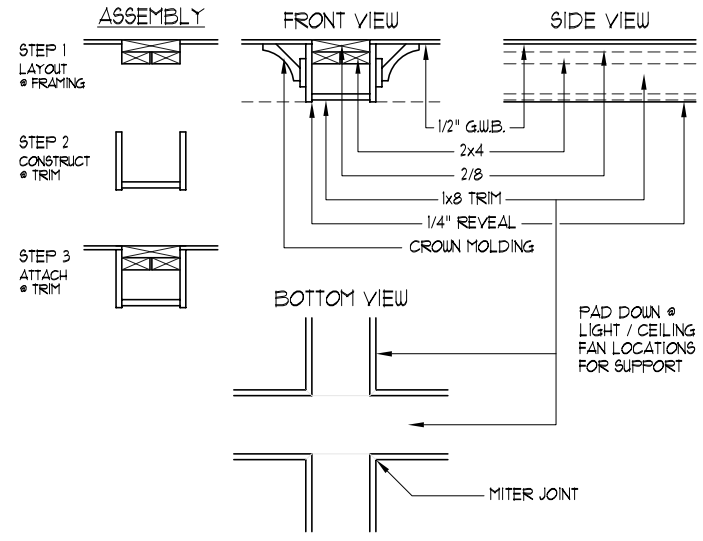
SHEET



STAIR DETAIL (NTS)
 EACH TREAD AND RISER MUST BE UNIFORM. THE GREATEST RISER HEIGHT SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8\"/>



FAUX BEAM



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 David D Grorud
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 DynamicDesignGroup@gmail.com
 www.DDHomeplans.com

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D-1B
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