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

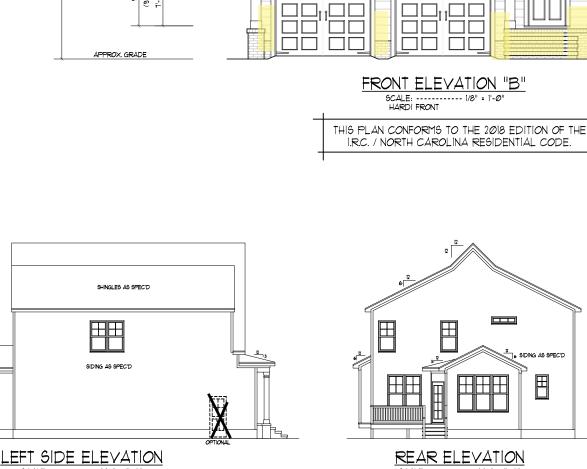
Trey Ceiling in Master Bedroom

Total Heated Sq. Ft.: 2146 Total Unheated Sq. Ft.: 734

Total SQ FT: 2880

Bedrooms: 3 + Rec Room

Full Bathrooms: 2 Half Bathrooms: 1



OPTIONAL



FRONT ELEVATION "B"

9CALE: ----- 1/8" = 1'-0" HARDI FRONT

I.R.C. / NORTH CAROLINA RESIDENTIAL CODE.



Stone/Brick Location

APPROVED

02/22/2021

-14" × 3Ø" √ENT

B&B SIDING AS SPEC'D

IØ" DECORATIVE BAND

OPTIONAL - 6" PEDIMENT W/CAP

SIDING AS SPEC'D

SHINGLES AS SPEC'D

OPTIONAL - 4" WRAP

-10" SQ COL

OPT BRICK PAVERS

BRICK AS SPEC'D

Harnett





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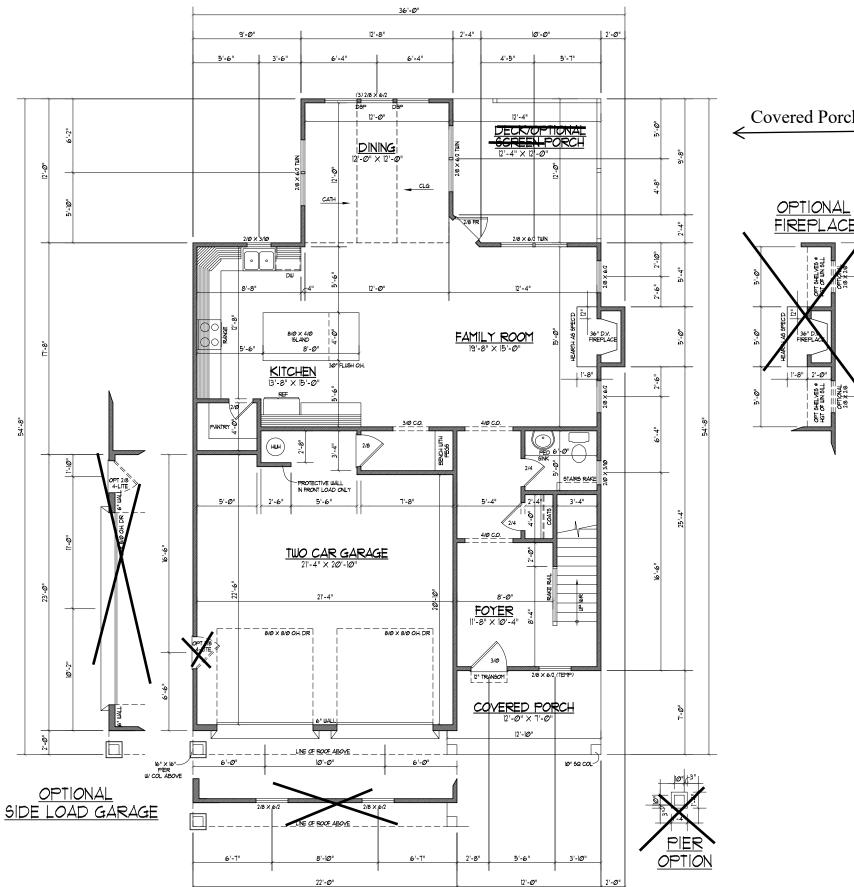
# CAPITOL PROJECT FOR: CITY HOMES LOCATION: MULTI

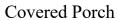
LOT: MULTI SUBDIVISION: MULTI

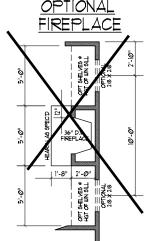
COUNTY: MULTI

6 -04-50-34GL









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

920 HEATED 90, FT. 503 50, FT. GARAGE 86 50, FT. COVERED PORCH 145 50, FT. DECK/OPT. SCREEN PORCH 108 90, FT. OPTIONAL BBQ DECK

#### NOTES:

- NOTES:

  1) 9"-0" CLG, HGT, (9" 1 1/2" PLT, HGT.)

  UNLESS OTHERWISE NOTED.

  2) ALL WALLS FIGURED AT 4" WIDTHS

  3) SET WINDOWS AT 1"-10" ASP.

  UNLESS OTHERWISE NOTED.

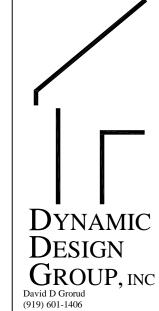
  4) DIMENSIONS ARE TO FRAMING.

  UNLESS OTHERWISE NOTED.

  5) CONSULT WINDOW MANUFACTURER'S

  SPECS, FOR EGRESS REQUIREMENTS,

  PRESSURE RATINGS, 4 ROUGH OPNG'S.



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Dimensions govern over scale, code gove

# CAPITOL PROJECT FOR: CITY HOMES LOCATION: MULTI

LOT: MULTI

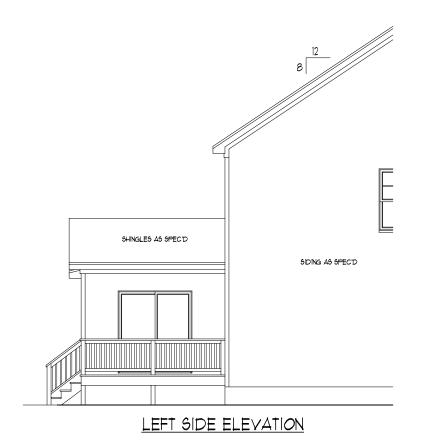
SUBDIVISION: MULTI

COUNTY: MULTI

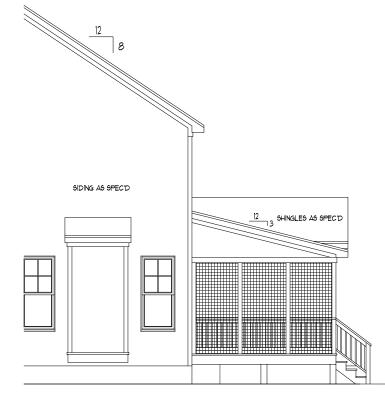
6 -04-PLAN NAME -34GL 1 PLAN I.D. 50-

# OPT SCREEN PORCH/BBQ DECK

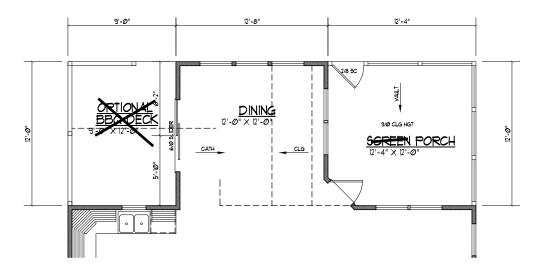








RIGHT SIDE ELEVATION



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



-04-1 PLAN NAME 150-34GL 1

-2 SCR PORCH /BBQ DECK OPTIONS **SHEET** 

dimensions prior to construction. Any error or omissions shall be reported to Dynamic Design Group for corrections or justification Once construction has commenced, the contractor shall assume all responsibility. CAPITOL PROJECT FOR: CITY HOMES LOCATION: MULTI LOT: MULTI

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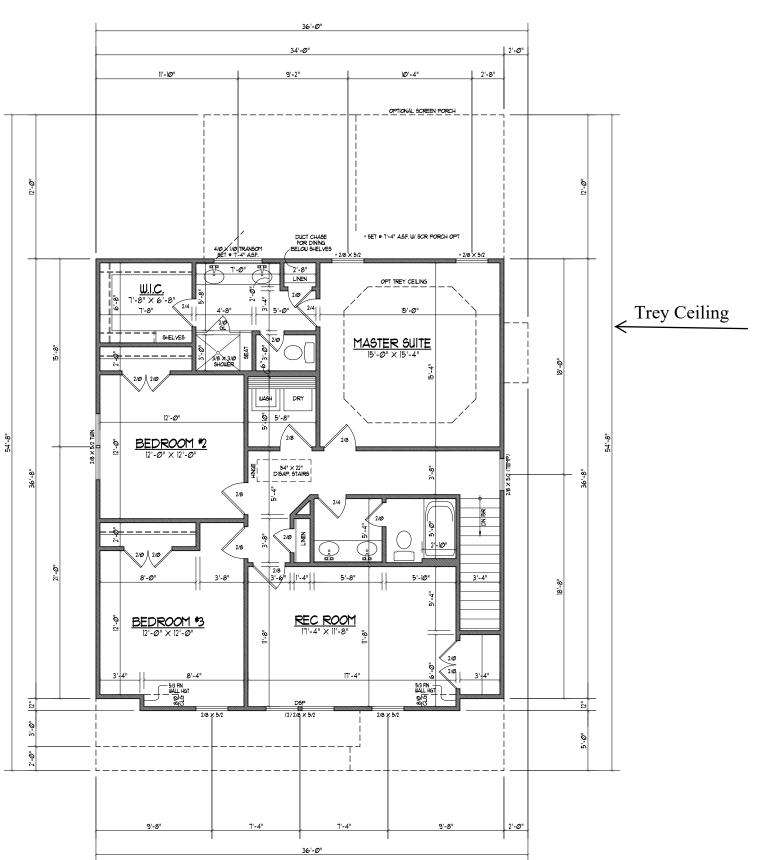
Contractor shall verify all conditions and

David D Grorud (919) 601-1406

SUBDIVISION: MULTI COUNTY: MULTI

Covered Porch





OPT MASTER BATH

WITH TUB

2/8 × 5/2 TWN

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# CAPITOL PROJECT FOR: CITY HOMES LOCATION: MULTI

LOT: MULTI

SUBDIVISION: MULTI

COUNTY: MULTI

6 -04-

PLAN NAME 150-34GL 1 C-2

PLAN I.D.

SHEET

ELEVATION "B" SECOND FLOOR PLAN WITH REC ROOM

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

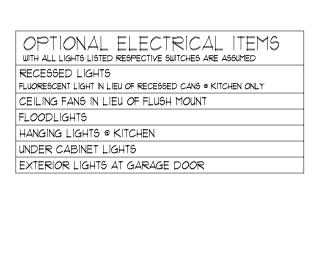
OPTIONAL 9'-0" CEILING HEIGHT WITH WINDOWS SET @ 7'-4" A.S.F.

1226 HEATED 5Q. FT.

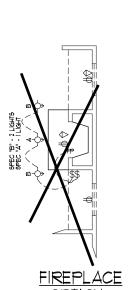
#### NOTES:

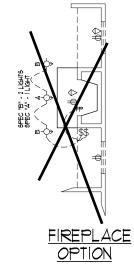
- 1) 8'-0" CLG. HGT. (8' 11/2" PLT. HGT.) UNLESS OTHERWISE NOTED.
- 2) ALL WALLS FIGURED AT 4" WIDTHS UNLESS OTHERWISE NOTED.

  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 OPNG'S.









#### ELECTRICAL SYMBOLS CEILING MOUNTED LIGHT FIXTURE

DIRECTIONAL EYEBALL LIGHT FIXTURE

 $^{\mathbb{R}}$ RECESSED LIGHT FIXTURE

MINI RECESSED LIGHT FIXTURE  $\bigcirc$ 

Ю WALL MOUNTED LIGHT FIXTURE

SEE 2ND FLOOR ELECTRICAL FOR FLOOD LOCATIONS

3354

⊕ GFI O UC\

OPT SIDE

LOAD GARAGE

GFI WP

FLUORESCENT LIGHT

1/2 -- 1 BULB @ 2' 2/2 -- 2 BULB @ 2' 1/4 -- 1 BULB # 41 2/4 -- 2 BULB # 4' 4/4 -- 4 BULB @ 4'

ф<sub>т</sub> HANGING LIGHT FIXTURE

 $\triangleright$ TELEPHONE JACK

CABLE JACK -\\-\rac{-}{KEY} KEYLESS LIGHT FIXTURE

CEILING FAN WITH LIGHT FIXTURE

UNDER CABINET LIGHT

EXHAUST FAN

RECESSED SHOWER LIGHT

K EXTERIOR FLOOD LIGHT

ELECTRICAL PANEL

■SD SMOKE DETECTOR

**⊠**∞ CARBON MONOXIDE DETECTOR DOOR CHIMES

── METERBOX



A/C UNIT

110 OUTLET Φ

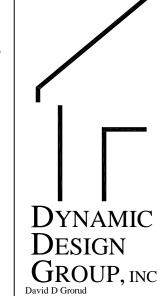
> 220 OUTLET SINGLE SWITCH

3-WAY SWITCH

\$₄ 4-WAY SWITCH OUTDOOR OUTLET

**∯** GFI

FIRST FLOOR ELECTRICAL LAYOUT



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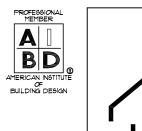
LOT: MULTI SUBDIVISION: MULTI

COUNTY: MULTI

6 -04-

34GL PLAN I.D. 50-C-2





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CAPITOL PROJECT FOR: CITY HOMES

LOCATION: MULTI LOT: MULTI

SUBDIVISION: MULTI

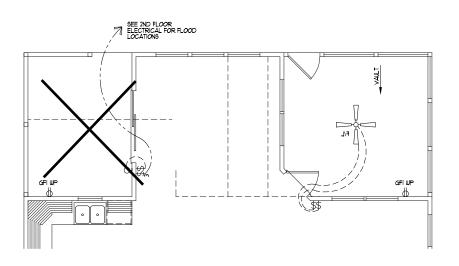
COUNTY: MULTI

-04-19

PLAN NAME 150-34GL 1 PLAN I.D.

SCR PORCH /BBQ DECK OPTIONS

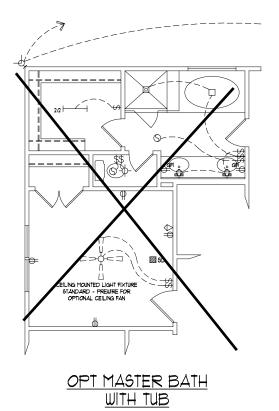
**SHEET** 

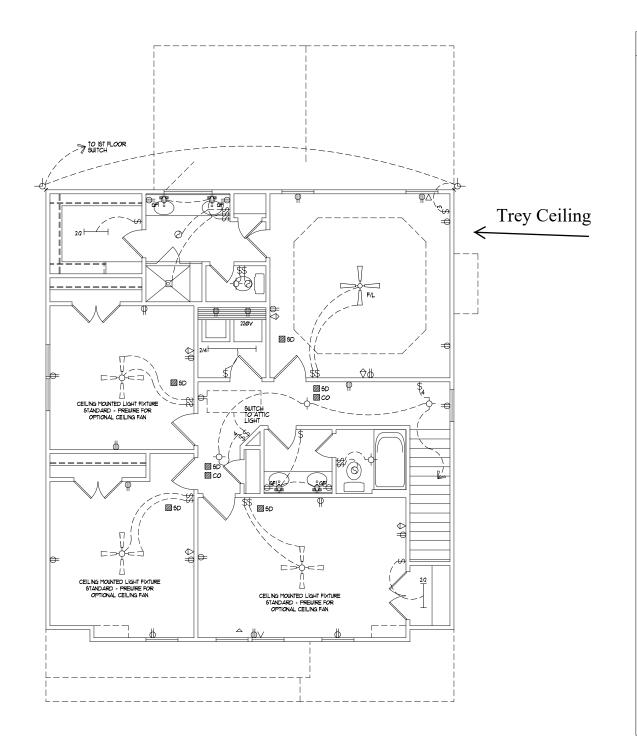


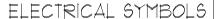
Covered Porch

<u>OPTIONAL</u> <u>SCREEN PORCH/BBQ DECK</u> ELECTRICAL LAYOUT









- CEILING MOUNTED LIGHT FIXTURE
- DIRECTIONAL EYEBALL LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- MINI RECESSED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE Ю
- FLUORESCENT LIGHT
  - 1/2 -- 1 BULB @ 2' 2/2 -- 2 BULB @ 2'
  - 2/4 -- 2 BULB @ 4' 4/4 -- 4 BULB @ 4'
- HANGING LIGHT FIXTURE
- TELEPHONE JACK
- CABLE JACK  $\Diamond$
- -¢<sub>KEY</sub> KEYLESS LIGHT FIXTURE



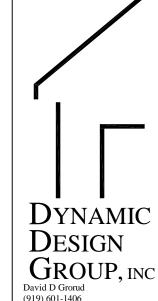
- UNDER CABINET LIGHT
- EXHAUST FAN 0
- RECESSED SHOWER LIGHT
- Ю EXTERIOR FLOOD LIGHT
- SMOKE DETECTOR Ø SD
- □ CARBON MONOXIDE DETECTOR
- $\sim$ DOOR CHIMES
- ELECTRICAL PANEL
- METERBOX



A/C UNIT

- 110 OUTLET
- 220 OUTLET
- \$ SINGLE SWITCH
- 3-WAY SWITCH
- 4-WAY SWITCH
- OUTDOOR OUTLET
- ∯ GFI GFI

ELEVATION "B" SECOND FLOOR WITH REC ROOM ELECTRICAL LAYOUT



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CAPITOL PROJECT FOR: CITY HOMES LOCATION: MULTI

LOT: MULTI

SUBDIVISION: MULTI COUNTY: MULTI

> 6 -04-

PLAN NAME -34GL 1 50-2

PLAN I.D.

# SEE NEXT PAGE

SOUTHERN ENGINEERS, P.A. 3716 BERSON DR, RALEIGH, NC (919) 878-1617 LICENSE: C-1287, PHONE: 919-818-1617 PROJECT # 17-1793GL

- PROJECT # 17-17436L

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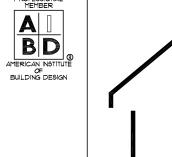
   Any deviations or discrepancies on plans are to be brought to the immediate attention of Southern Engineers. Failure to does availly oold Southern Engineer's liability.

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







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David D Grorud

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CAPITOL PROJECT FOR: CITY HOMES LOCATION: MULTI

LOT: MULTI

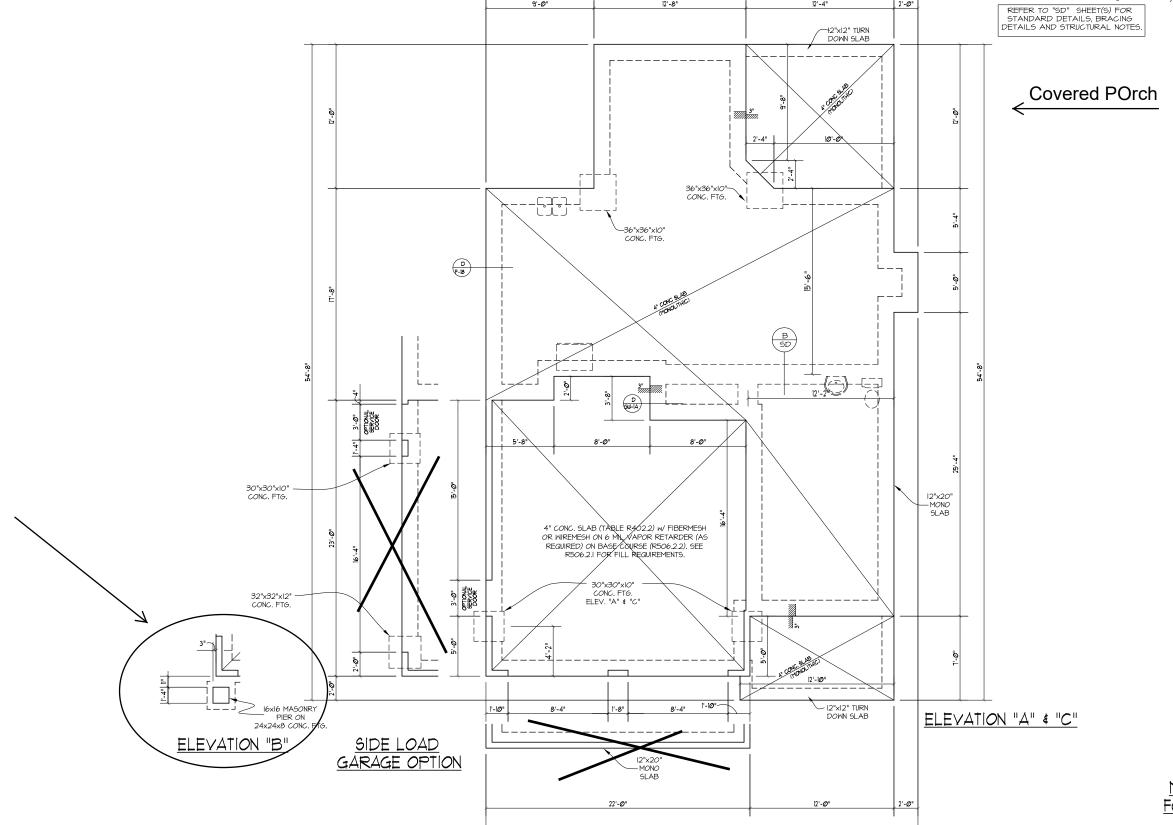
SUBDIVISION: MULTI

COUNTY: MULTI

6 -04

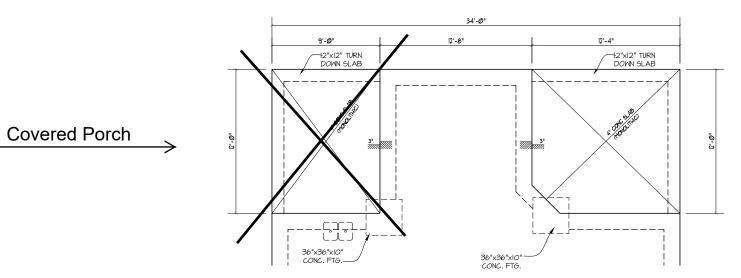
PLAN NAME -34GL 1 50

**SHEET** 



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

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



STRUCTURAL DESIGN BY: SOUTHERN ENGINEERS, P.A.

- SOUTHERN ENGINEERS, P.A.
  3716 BENSON DR. RALEIGH, N. (914) 578-1617
  ILCENSE. C-1251, PHONE. 914-513-1617
  PROJECT # 17-1743-61.

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  Any devidations or discrepancies on place to be brought to the immediate attention of Southern Engineer's Tailure to do so will void Southern Engineer's liability.

  Seal is valid for a project permitted one year from date of seal.

  I be of these plans constitutes approval of terms & conditions as defined in the customer agreement.

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





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LOCATION: MULTI

LOT: MULTI

SUBDIVISION: MULTI

COUNTY: MULTI

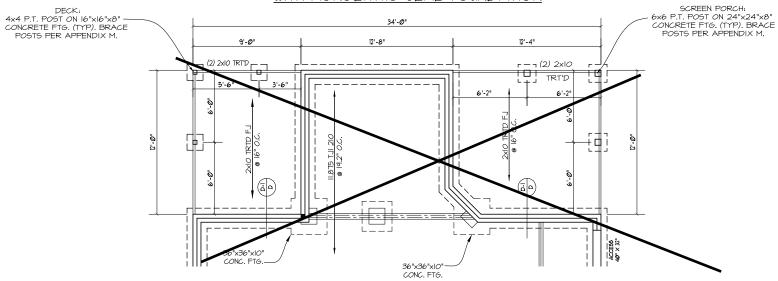
6 -04

PLAN 34G PLAN I.D. 50

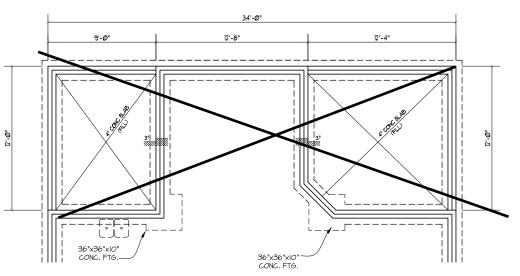
SCR PORCH /BBQ DECK OPTIONS

**SHEET** 

SCREEN PORCH/BBQ DECK WITH MONOLITHIC SLAB FOUNDATION



# SCREEN PORCH/BBQ DECK WITH CRAWLSPACE FOUNDATION



SCREEN PORCH/BBQ DECK WITH STEM WALL/SLAB FOUNDATION

# SCREEN PORCH/BBQ DECK FOUNDATION OPTIONS

1) SEE SHEET D-1 FOR DETAILS.

2) DIMENSIONS ARE TO EXTERIOR OF FOUNDATION.

SCALE: ----- |/8"=1'-Ø"

# DSP DSF 2x6 CJ @ 16" O.C. SIMPSON-LUS 210-2 IBM DESIGN TRUSS TO SUPPORT WALL/FLOOR

( c ) (SD) (CS-PF) STRUCTURAL DESIGN BY: SOUTHERN ENGINEERS, P.A. 3716 BENSON DR., RALEIGH, NC (919) 878-1617 LICENSE: C-1287, PHONE: 919-878-1617 PROJECT # 17-1793GL

- PROJECT # 17-17936L

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  REFER TO "SD" SHEET(S) FOR

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





MHOLE 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 (I) SUPPORT STUD, UNLESS NOTED
- 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: (I) KING STUD OVER 4' UP TO 8' SPAN: (2) KING STUDS OVER 8' UP TO II' SPAN: (3) KING STUDS
- OVER II' SPAN: (4) KING STUDS

OPTIONAL

FIREPLACE

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

Dimensions govern over scale, code govern CAPITOL PROJECT FOR: CITY HOMES LOCATION: MULTI LOT: MULTI

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(919) 601-1406

SUBDIVISION: MULTI

COUNTY: MULTI

6 **-**04 34

PLAN I.D. 50

SHEET

CS POR END CONDI  $\frac{C}{SD}$ EXTEND HEADER ACROSS CS PORTAL FRAME OPTIONAL

FRAMING NOTES

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

BLOCKING AT ALL PANEL EDGES.

APPROVED METHOD.

I. 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

2. EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING

3. 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

4. "HD" = HOLDOWN: 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

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

\*\*UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON CS22

STRAP DONN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 7" MIN ALONG EACH STUD (OR

5. INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH I/2"

6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS

SCREMS @ 7" OC ALONG THE EDGES AND AT INTERMEDIATE

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

"IBM-WSP" ON PLANS), ATTACH ONE SIDE WITH 36" WSP SHEATHING WITH 8d NAILS AT A 6"/12" 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

HEADER) AND ATTACH EACH END W/ (7) 8d NAILS.

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"/12" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL

> LVL SCHEDULE SIDE LOAD GARAGE ADD SLIV (3) 1.75x18-20'

SIDE LOAD

GARAGE

ELEVATION "B" FIRST FLOOR CEILING / STRUCTURAL PLAN

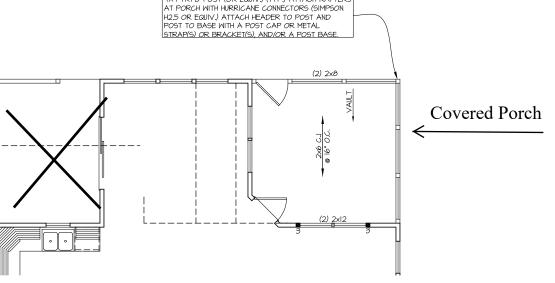
SCALE:

NOTES:

1) SHADED WALLS DENOTE LOAD BEARING WALLS. 2) DENOTES SOLID STUDS.

ABOVE ABOVE LINE OF WALL ABOVE (CS-PF) C SD SD, -DESIGN TRUSS TO SUPPORT WALL/FLOOR ABOVE (2) 2xl0 (2) 2xlO

> 8x6 TRT'D POST (OR EQUIV.) (TYP.) ATTACH RAFTERS AT PORCH WITH HURRICANE CONNECTORS (SIMPSON H2.5 OR EQUIV.) ATTACH HEADER TO POST AND POST TO BASE WITH A POST CAP OR METAL STRAP(S) OR BRACKET(S), AND/OR A POST BASE.

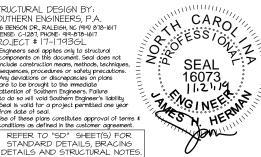


4X4 TRT'D POST (OR FOULV ) (TYP ) ATTACH RAFTERS

STRUCTURAL DESIGN BY: SOUTHERN ENGINEERS, P.A. 3716 BENSON DR., RALEIGH, NC (919) 878-1617 LICENSE: C-1287, PHONE: 919-878-1617 PROJECT # 17-17936L

- PHULICI # I/-I/936L
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  components on this document. Seal does not
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  sequences, procedures or sofety precautions.
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  Be of these plans conditivities general of the
- from acte or seal.

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#### HEADER/BEAM & COLUMN NOTES

- I. ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2x6 (4" WALL) OR (3)2x6 (6" WALL) WITH (I) SUPPORT STUD, UNLESS NOTED
- 2. 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: (I) KING STUD

  - OVER 4' UP TO 8' SPAN: (2) KING STUDS
  - OVER 8' UP TO II' SPAN: (3) KING STUDS
- OVER II' SPAN: (4) KING STUDS

#### FRAMING NOTES

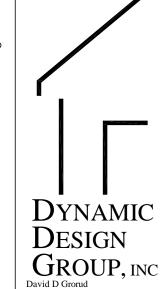
NC (2018 NCRC): Wind: 115-120 mph

- 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
- 2. EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING MALLS 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"/12" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES.
- 3. 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.
- 4. "HD" = HOLDOWN: 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 7" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W (7) 8d NAILS.
- 5. INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH I/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
- 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBM-MSP" ON PLANS). ATTACH ONE SIDE WITH 1/6" WSP SHEATHING MITH 8d NAILS AT A 6"/12" 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 I/2" GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 7" OC ALONG THE EDGES AND AT INTERMEDIATE



#### NOTES:

1) SHADED WALLS DENOTE LOAD BEARING WALLS. 2) DENOTES SOLID STUDS.



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Dimensions govern over scale, code govern

CAPITOL PROJECT FOR: CITY HOMES LOCATION: MULTI

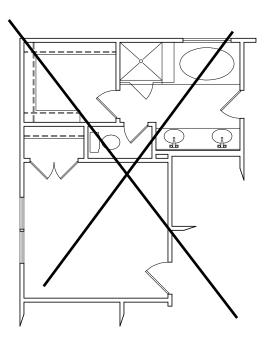
LOT: MULTI SUBDIVISION: MULTI

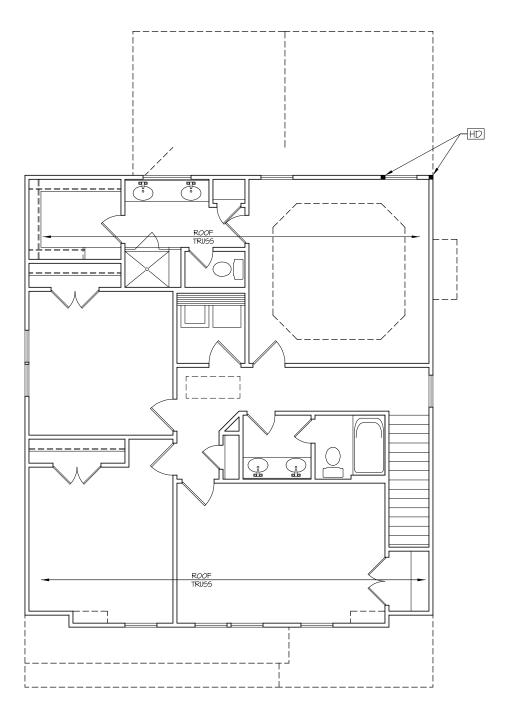
COUNTY: MULTI

6 -04 PLAN ] 34 5

SHEET

PLAN I.D.





STRUCTURAL DESIGN BY: SOUTHERN ENGINEERS, P.A. 3716 BENSON DR., RALEIGH, NC (919) 878-1617 LICENSE: C-1287, PHONE: 919-878-1617

- LICHSE: c-1281, PHONE: q14-818-1617

  PROJECT # 17-1793GL

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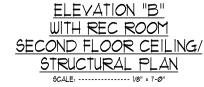
#### HEADER/BEAM & COLUMN NOTES

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- 2. 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:
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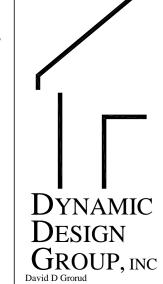
#### FRAMING NOTES

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

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- 4. "HD" = HOLDOWN: 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
- \*\*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 7" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W (7) 8d NAILS.
- 5. INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH I/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.
- 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBM-WSP" ON PLANS). ATTACH ONE SIDE WITH 1/6" WSP SHEATHING WITH 8d NAILS AT A 6"/12" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES, ATTACH 6B OVER WSP AS REQUIRED. ATTACH OPPOSITE SIDE WITH  $1/2^\circ$  GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 7" OC ALONG THE EDGES AND AT INTERMEDIATE



1) SHADED WALLS DENOTE LOAD BEARING WALLS. 2) DENOTES SOLID STUDS.



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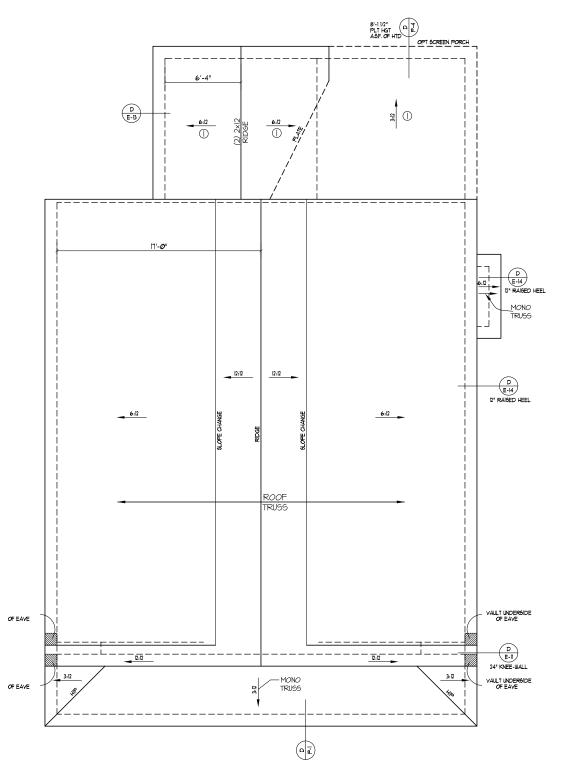
CAPITOL PROJECT FOR: CITY HOMES LOCATION: MULTI LOT: MULTI

SUBDIVISION: MULTI

COUNTY: MULTI

6 -04 PLAN ] 34 5

PLAN I.D.



STRUCTURAL DESIGN BY: SOUTHERN ENGINEERS, P.A. 3716 BENSON DR., RALEIGH, NC (919) 878-1617 LICENSE: C-1287, PHONE: 919-878-1617 PROJECT # 17-1793GL

- PROJECT # 17-11936L

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  REFER TO "SD" SHEET(S) FOR

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

#### ROOF FRAMING NOTES: NC (2018 NCRC): Wind: 115-120 mph

- (I.) 2x8 @ 16" O.C. WITH 2x10 RIDGE, UNO.
- (2) 2xIO OR 1.75xII.875 LVL HIP. (2) 2xIO HIPS MAY BE SPLICED WITH A MIN. 6'-O" OVERLAP AT CENTER
- 3. (2) 2xIO OR I.75x9.25 LVL VALLEY. DO NOT SPLICE
- 1.75x11.875 LVL OR (2)1.75x9.25 LVL VALLEY
- FALSE FRAME VALLEY ON 2xIO FLAT PLATE
- 2x6 RAFTERS @ 16" O.C. W 2x8 RIDGE, UNO.
- 2xIO RAFTERS @ I6" O.C. W 2xI2 RIDGE, UNO.
- EXTEND RIDGE 12" BEYOND INTERSECTION
- "SR" = SINGLE RAFTER
- "DR" = DOUBLE RAFTER
- "TR" = TRIPLE RAFTER
  "RS" = ROOF SUPPORT
- "=" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT (USE 2X6 OR 6X6 FOR SUPPORT POSTS OVER 10'-0" IN HEIGHT)
- ATTACH VAULTED RAFTERS WITH HURRICANE CLIPS: SIMPSON "H-2.5A" OR EQUIVALENT INSTALL RAFTER TIES AND COLLAR TIES PER SECTION
- R802.3.I OF THE 2018 NC RESIDENTIAL CODE.

#### TRUSS SYSTEM REQUIREMENTS NC (2018 NCRC): Wind: 115-120 mph

- TRUSS SYSTEM LAYOUTS (PLACEMENT PLANS) SHALL BE DESIGNED IN ACCORDANCE WITH SEALED STRUCTURAL PLANS. ANY NEED TO CHANGE TRUSSES SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
- ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON SPF #2 OR #3 PLATES OR LEDGERS (UNO).
- ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS

ATTIC VENTILATION 1751 SQ FT OF ATTIC / 300 = 5.84 SQ. FT. OF INLET 4 OUTLET 9.20 TOTAL SQ. FT.

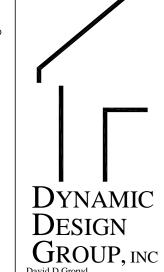


NOTES:

1) SEE SHEET D-1 FOR DETAILS.
2) DIMENSIONS ARE FROM EXT. OF FRAMING TO CENTER LINE OF RIDGE.



SEAL 16073



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CAPITOL PROJECT FOR: CITY HOMES

LOCATION: MULTI LOT: MULTI

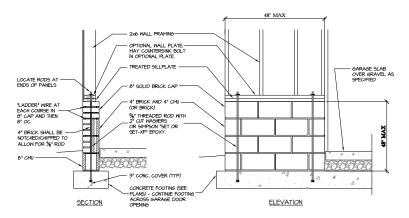
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PLAN I.D.

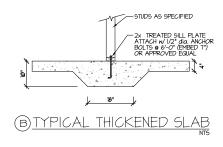
SUBDIVISION: MULTI

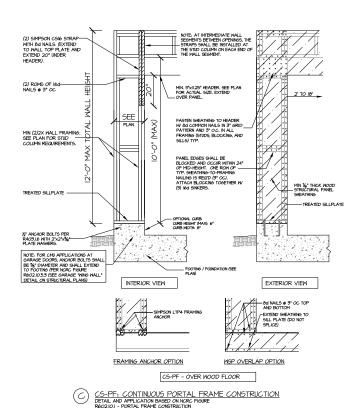
COUNTY: MULTI

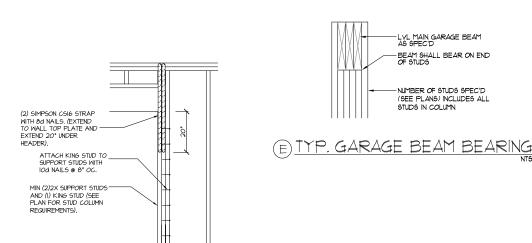
**-**04 PLAN NAME 34GL 1 50



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







END CONDITION DETAIL (FOR USE WITH SINGLE CS-PF CONDITION)
DETAIL AND APPLICATION BASED ON NCRC FIGURE
R602.IO.I - PORTAL FRAME CONSTRUCTION

5" ANCHOR BOLTS PE R403.1.6 WITH 2"x2"x3%' PLATE WASHERS. STRUCTURAL DESIGN BY: SOUTHERN ENGINEERS, P.A 3TI6 BENSON DR., RALEIGH, NC (919) 878-1617 PROJECT # 17-179361

- MKULIC | # 1/-1/93GL\*
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- om date of seal.
- trom date of seal.

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#### STRUCTURAL NOTES

NC (2018 NCRC): 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
- 2. 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.
- 3. DESIGN LOADS (LISTED AS: LIVE LOAD, DEAD LOAD, DEFLECTION)
- ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, IO PSF, L/360) SLEEPING ROOMS: (30 PSF, IO PSF, L/360)
- ATTIC WITH PERMANENT STAIR: (40 PSF, IO PSF, L/360)
- ATTIC WITHOUT PERMANENT STAIR: (20 PSF, IO PSF, L/360)
- ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, L/240) STAIRS: (40 PSF 10 PSF 1 /360)
- EXTERIOR BALCONIES: (60 PSF, IO PSF, L/360)
- DECKS: (40 PSF, 10 PSF, L/360)
- GUARDRAILS AND HANDRAILS: (200 LBS)
- PASSSENGER VEHICLE GARAGES: (50 PSF, IO PSF, L/360)
- FIRE ESCAPES: (40 PSF, IO PSF, L/360)
- 4. WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANELS. SEE FRAMING NOTES FOR THICKNESS AND NAILING REQUIREMENTS.
- 5. SEE APPENDIX M (DCA6) FOR EXTERIOR DECK REQUIREMENTS INCLUDING ATTACHMENTS FOR LATERAL LOADS.
- 6. CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (UNO). 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 I/D. (I.E. 4" CONCRETE SLABS SHALL HAVE 1/4" DEEP CONTROL JOINTS SAWCUT IN SLAB ON A +-10'-0" x +-10'-0" GRID)
- 7. ALLOWABLE SOIL BEARING PRESSURE ASSUMED TO BE 2000 PSF. THE CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER AND THE STRUCTUAL ENGINEER IF UNGATISFACTORY 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 DRAINSURFACE WATER AWAY FROM FOUNDATION WALLS.
- 8. ALL FRAMING LUMBER SHALL BE SPF #2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE SYP # 2. PLATE MATERIAL MAY BE SPF # 3 OR SYP #3 (Fc(perp) =
- C. L.V.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=285 PSI, E=1.9xI0 PSI.
   P.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=2900 PSI, Fv=290 PSI, E=2.0xI0 PSI.
   L.S.L. SHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=1.55xI0 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURERS INSTRUCTIONS.
- IO. 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
- II. ALL STRUCTURAL STEEL SHALL BE ASTM A-36, STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 I/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.
- 12. REBAR SHALL BE DEFORMED STEEL, ASTM615, GRADE 60.
- I3. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING (2) ROWS OF I/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.
- 14. 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 RT03.7.3 LINTELS.



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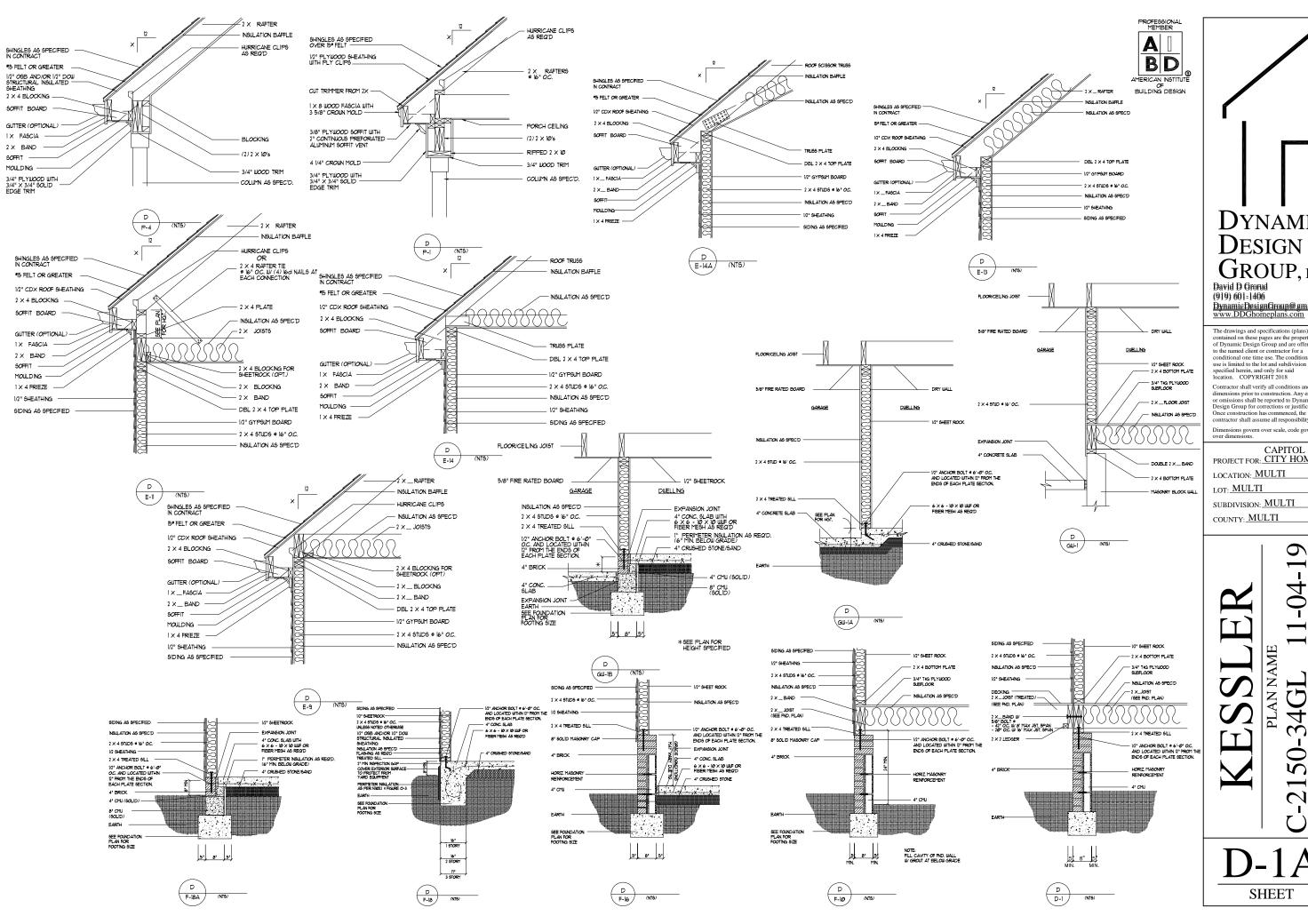
Dimensions govern over scale, code govern

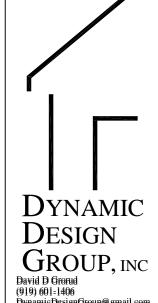
CAPITOL PROJECT FOR: CITY HOMES LOCATION: MULTI LOT: MULTI

SUBDIVISION: MULTI COUNTY: MULTI

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PLAN ] 34 PLAN I.D S





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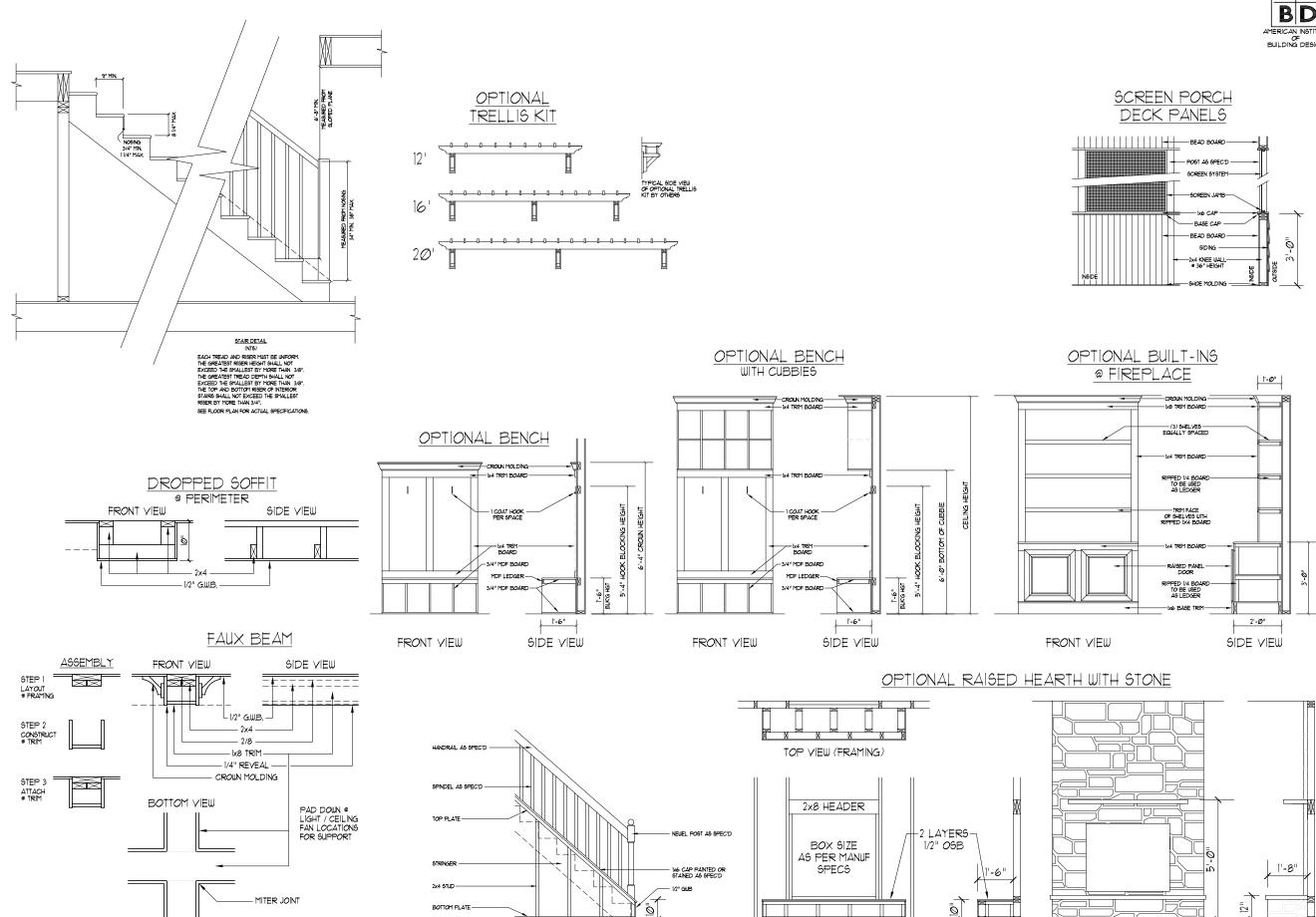
CAPITOL PROJECT FOR: CITY HOMES

SUBDIVISION: MULTI

6 **-**04 34GI 50

PLAN I.D.





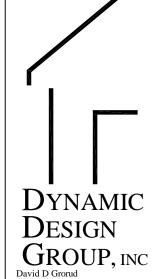
OPTIONAL RAKE RAIL

FRONT VIEW (FRAMING)

SIDE VIEW

(FRAMING)

FRONT VIEW (FINISHED)



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Contractor shall verify all conditions and dimensions prior to construction. Any error or omissions shall be reported to Dynamic Design Group for corrections or justification Once construction has commenced, the contractor shall assume all responsibility.

Dimensions govern over scale, code gover

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

SUBDIVISION: MULTI

COUNTY: MULTI

6 -04- $\overline{\phantom{a}}$ PLAN NAME -34GL 1

PLAN I.D. 50-2

**SHEET** 

SIDE VIEW (FINISHED)