



DYNAMIC DESIGN GROUP, IN

David D Grorud (919) 601-1406 DynamicDesignGroup@gmail.com www.DynamicDesignGroupInc.com

The drawings and specifications (plans) contained on these pages are the property of Dynamic Design Group and are offered to the named client or contractor for a conditional one time use. The conditional use is limited to the lot and subdivision specified herein, and only for said location. COPYRIGHT 2021

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 governs over dimensions.

PROJECT FOR: ICG HOMES
LOCATION:
LOT:
SUBDIVISION:
COUNTY:

| | EO I NAME | 3.28.22 | DATE

PLAN NAW C2-3668-68GL PLAN I.D.

A-1B.1





SCALE WHITE OF SHINKLES AS SPECD 4" TRIM BOURD 4" TRIM BOURD BOARD I BATEN SIDING AS SPECD I'M ROAD COUNT 14 ROAD COUNT 14 ROAD COUNT 15 PRICE FONDATION PARCED FONDATION

DAVID D Grorud
(919) 601-1406

David D Grorud (919) 601-1406 DynamicDesignGroup@gmail.com www.DynamicDesignGroupInc.com

The drawings and specifications (plans) contained on these pages are the property of Dynamic Design Group and are offered to the named client or contractor for a conditional one time use. The conditional use is limited to the lot and subdivision specified herein, and only for said location. COPYRIGHT 2021

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 governs over dimensions.

PROJECT FOR: ICG HOMES
LOCATION:
LOT:
SUBDIVISION:
COUNTY:

AN NAME

GL 3.28.22

DATE

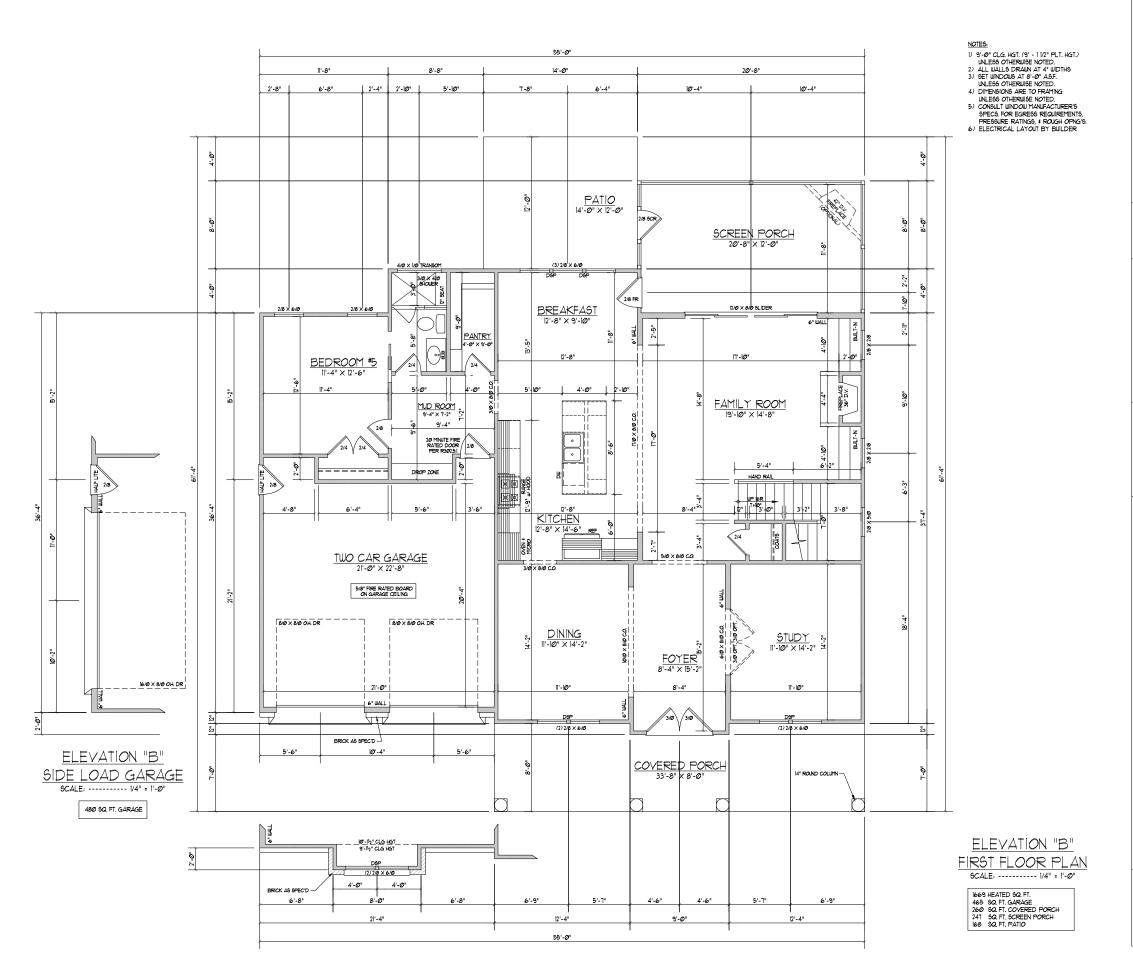
PLAN NAME C2-3668-68GL PLAN I.D.

A-1B.2

<u>LEFT SIDE ELEVATION</u>

9CALE: ----- 1/4" = 1'-0"





DYNAMIC DESIGN GROUP,™

David D Grorud (919) 601-1406 DynamicDesignGroup@gmail.com www.DynamicDesignGroupInc.com

The drawings and specifications (plans) contained on these pages are the property of Dynamic Design Group and are offered to the named client or contractor for a conditional one time use. The conditional use is limited to the lot and subdivision specified herein, and only for said location. COPYRIGHT 2021

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 governs over dimensions.

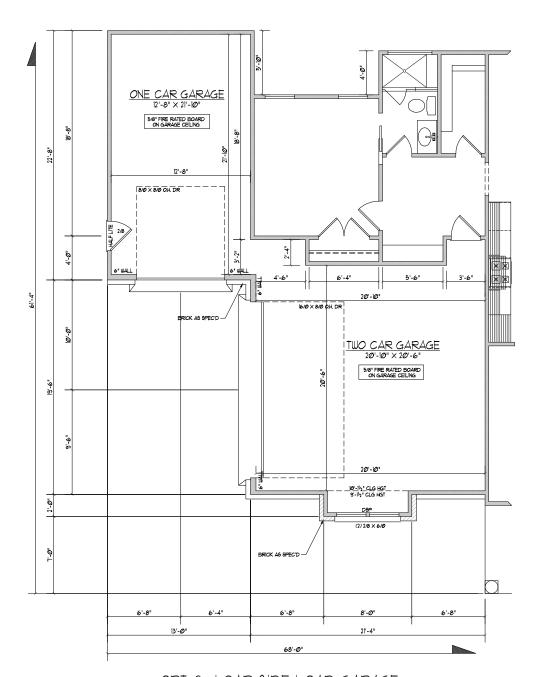
PROJECT FOR:	ICG HOMES
LOCATION:	
LOT:	
SUBDIVISION:	-
0022171010111	

3.28.22 DATE

PLAN NAMI C2-3668-55GL

A-2
SHEET





OPT. 3rd CAR SIDE LOAD GARAGE

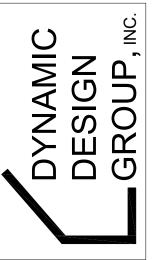
SCALE: ----- 1/4" = 1'-Ø" 111 SQ. FT. GARAGE

ELEVATION "B"

NOTES:

- NOTES:

 1) 9'-0" CLG. HGT. (9' 1 1/2" PLT. HGT.)
 INLESS OTHERWISE NOTED.
 2) ALL WALLS DRAWN AT 4" WIDTHS
 3) SET WINDOWS AT 8'-0" ASF.
 INLESS OTHERWISE NOTED.
 4) DIMENSIONS ARE TO FRAMING
 INLESS OTHERWISE NOTED.
 5) CONSULT WINDOW MANUFACTURER'S
 SPECS FOR EGGESS REQUIREMENTS,
 PRESSURE RATINGS, 4 ROUGH OPNG'S.
 6) ELECTRICAL LAYOUT BY BUILDER



David D Grorud (919) 601-1406 DynamicDesignGroup@gmail.com www.DynamicDesignGroupInc.com

The drawings and specifications (plans) contained on these pages are the property of Dynamic Design Group and are offered to the named client or contractor for a conditional one time use. The conditional use is limited to the lot and subdivision specified herein, and only for said location. COPYRIGHT 2021

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 governs over dimensions.

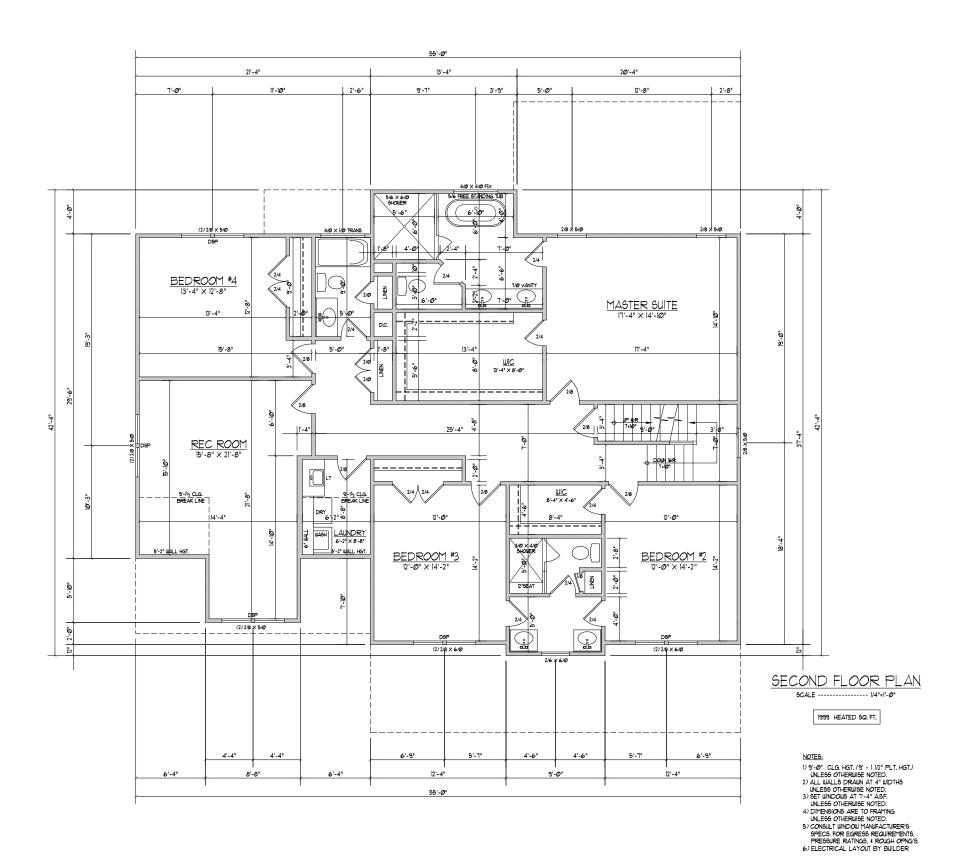
PROJECT FOR: ICG HOMES
LOCATION:
LOT:
SUBDIVISION:
COLINITY:

.28.22 DATE 3

> C2-3668-68G PLAN I.D.

SHEET





DYNAMIC DESIGN GROUP, INC

David D Grorud (919) 601-1406 DynamicDesignGroup@gmail.com www.DynamicDesignGroupInc.com

The drawings and specifications (plans) contained on these pages are the property of Dynamic Design Group and are offered to the named client or contractor for a conditional one time use. The conditional use is limited to the lot and subdivision specified herein, and only for said location. COPYRIGHT 2021

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 governs over dimensions.

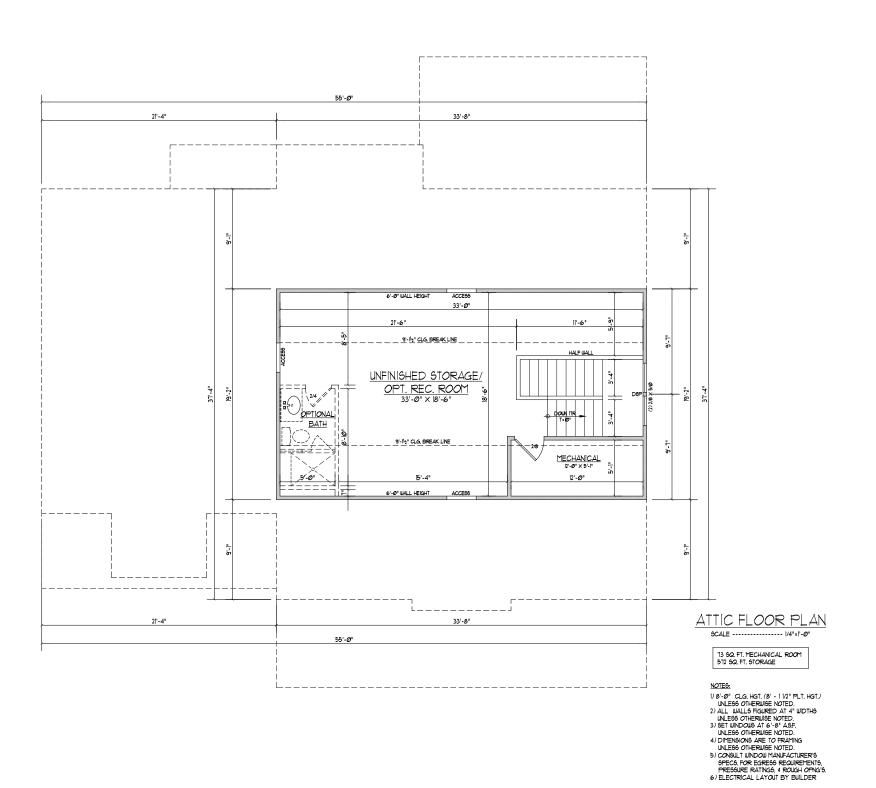
PROJECT FOR: ICG HOMES
LOCATION:
LOT:
SUBDIVISION:
COUNTY:

E 3.28.22

PLAN NAME C2-3668-55GL PLAN I.D.

A-3





DYNAMIC DESIGN GROUP, INC.

David D Grorud (919) 601-1406 DynamicDesignGroup@gmail.com www.DynamicDesignGroupInc.com

The drawings and specifications (plans) contained on these pages are the property of Dynamic Design Group and are offered to the named client or contractor for a conditional one time use. The conditional use is limited to the lot and subdivision specified herein, and only for said location. COPYRIGHT 2021

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 governs over dimensions.

PROJECT FOR: ICG HOMES
LOCATION:
LOT:
SUBDIVISION:
COUNTY:

E 3.28.22

PLAN NAME

C2-3668-55G

A-4 SHEET





WALL VENTED	CRAWL	SPACE				
REQUIRED						
<u>1669</u> sa.ft./150 = _	11.13	- 80. FT. OF VENTILATION				
CLOSED CRAWL SPACE						
VENTILATION METHODS						
(SEE REFERENCED SECTIONS IN CODE BOOK FOR DETAILED INSTRUCTIONS)						
(R4095.1) DEHUMDFIER A PERMANENTLY INSTALLED DEHUMDFIER SHALL BE PROVIDED IN THE CRAIL. SPACE WITH THE MINIMUM RATED CAPACITY OF IS PINTS PER DAY.						
(R409.52) SUPPLY AIR <u> 1669</u> SQ. FT. / 30 =	56	CFM				
(R40953) HOUSE AIR 1669 SQ. FT. / 50 =	33	CFM				
(R4Ø95.4) EXHAUST FAN						
<u> 669</u> 50.FT./50 =	33	CPM				

(R4@355) CONDITIONED SPACE
THE CRAILL SPACE SHALL BE DESIGNED AS A HEATED AND COOLED,
CONDITIONED SPACE WITH WALL NISULATION NOTALLED AS PER THE
RECURRENTS OF SPACIFIA DEMONST

FOUNDATION STRUCTURAL NOTES NC (2018 NCRC): Wind: 115-120 mph - CRAWL

(3)2xIO SYP#2 OR SPF#2 GIRDER, TYPICAL UNO.

② •• CONCRETE BLOCK PIER SIZE SHALL BE:

50LID UP TO 5'-0" UP TO 9'-0" UP TO 12'-0" <u>SIZE</u> 8x16 HOLLOW UP TO 32" 12x16 16x16 UP TO 48" UP TO 64" UP TO 96"

24x24 WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.

3 WALL FOOTING AS FOLLOWS DEPTH: 8" - UP TO 2 STORY 10" - 3 STORY

|6" - UP TO 2 STORY 20" - 3 STORY |6" - | STORY 20" - 2 STORY BRICK: 24" - 3 STORY

FOR FOUNDATION WALL HEIGHT AND BACKFILL REQUIREMENTS, REFER TO CODE TABLE R404.I. (1 THRU 4) NOTE: AGSIMED SOIL BEARING CAPACITY = 2000 PSF. CONTRACTOR MUST VERIFY SITE CONDITIONS AND CONTACT SOILS ENGINEER IF MARGINAL OR UNSTABLE SOILS ARE ENCOUNTERED.

(4) 2xIO SPF #2 OR SYP #2 GIRDER

(2) 1.75x9.25 LVL OR LSL GIRDER

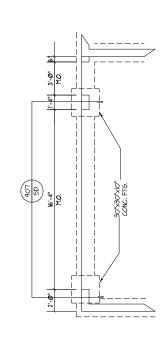
6. (3) 1.75x9.25 LVL OR LSL GIRDER

"B" DESIGNATES A SIGNIFICANT POINT LOAD TO HAVE SOLID BLOCKING TO PIER, SOLID BLOCK ALL BEAM BEARING POINTS NOTED TO HAVE THREE OR MORE STUDS TO FND, TYPICAL.

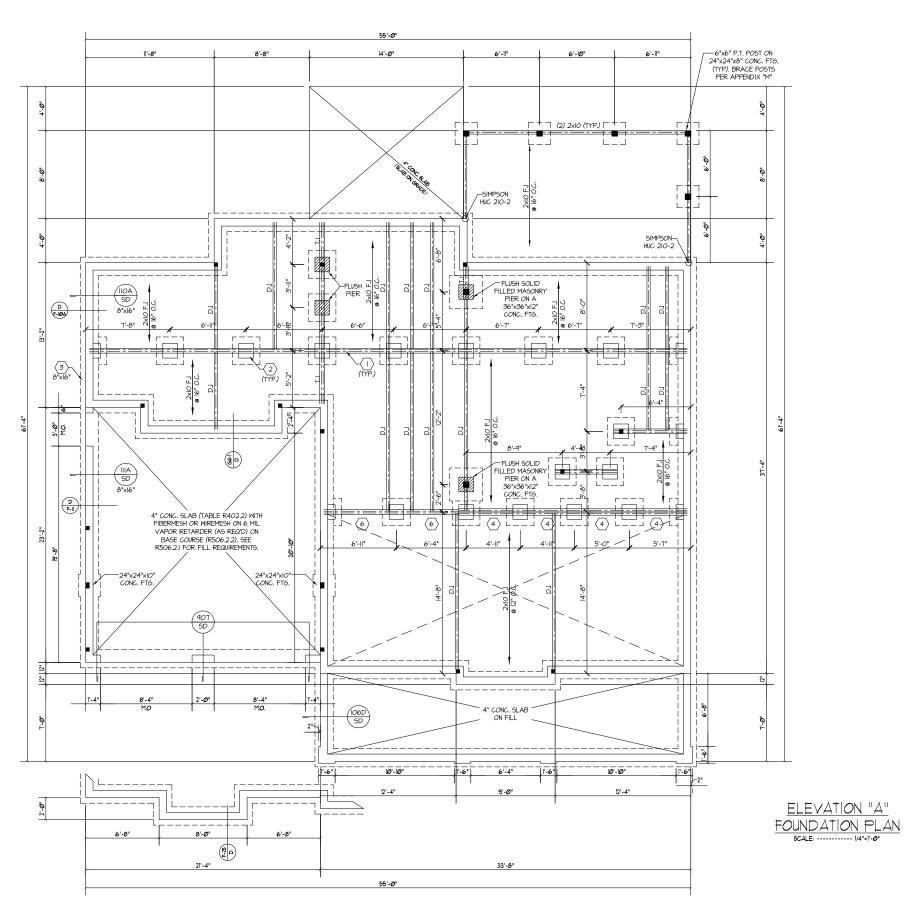
ABBREVIATIONS:

"SJ" = SINGLE JOIST
"DJ" = DOUBLE JOIST
"TJ" = TRIPLE JOIST

ADJUST SUBFLOOR THICKNESS OR JOIST SPACING AS REQ'D FOR FLOOR FINISH MATERIALS.



ELEVATION "A" SIDE LOAD GARAGE FOUNDATION PLAN



PROJECT# 22-1480 (316SR)

e to be brought to the Failure to do so will

P.A. 27609

Southern Engineers, P. 3716 Benson Drive, Raleigh, NC 27d Phone: (919) 878-1617 License: C-4772 www.southernengineers.com

DYNAMIC DESIGN GROUP

316, Serenity "Manteo-GL" ICG HOMES Lot

CARO CARO OSE SEAL 16073

CLOSED CRAWL SPACE
VENTIL ATION METHODS
(SEE REFERENCE) SECTIONS IN CODE BOOK FOR DETAILED INSTRUCTIONS)
(R4093.1) DENATIONERS
(R4093.2) DENATIONERS
(R4093.2) SUPPLY AIR
(R4093.3) SUPPLY AIR
(R4093.3) SUPPLY AIR
(R4093.3) SUPPLY AIR
(R4093.3) CM
(R4093.4) DENAUST FAIN
(R4093.5) CONDITIONED SPACE
(R4093.5) CONDITIONED SPACE
(R4093.5) CONDITIONED SPACE
(R4093.5) A HEATED AND COOLED.

Southern Engineers, P.A.
3716 Benson Drive, Raleigh, NC 27609
Phone: (919) 878-1617
License: C-4772
www.southernengineers.com

PROJECT # 22-1480 (316SR)

DYNAMIC DESIGN GROUP

"Manteo-GL"
ICG HOMES

Lot 316, Serenity "Manteo-GL"

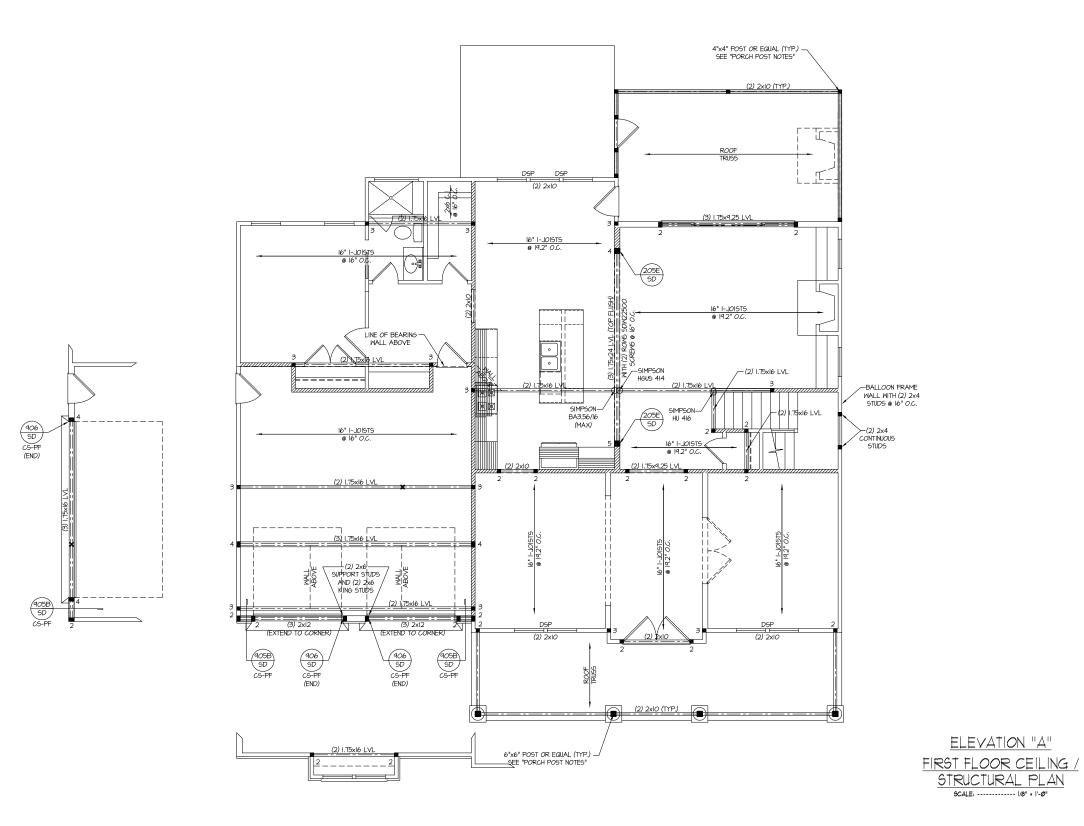
S-1.1

ELEVATION "A"

2'-6"







Southern Engineers, P.A. 3716 Benson Drive, Raleigh, NC 27609 Phone: (919) 878-1617 License: C-4772 www.southernengineers.com

PROJECT # 22-1480 (316SR)

retion means, means, returner, sty precautions.

the precautions are to be brought to the hern Engineers. Failure to do so will hern Engineers.

DYNAMIC DESIGN GROUP

Lot 316, Serenity "Manteo-GL" ICG HOMES



(EXTEND TO CORNER) 906 SD CS-PF (END) i (3) 1.75xi6 LVL 905B SD C5-PF 2____2

Southern Engineers, P.A. 3716 Benson Drive, Raleigh, NC 27609 Phone: (919) 878-1617 License: C-4772 www.southernengineers.com

PROJECT # 22-1480 (316SR)

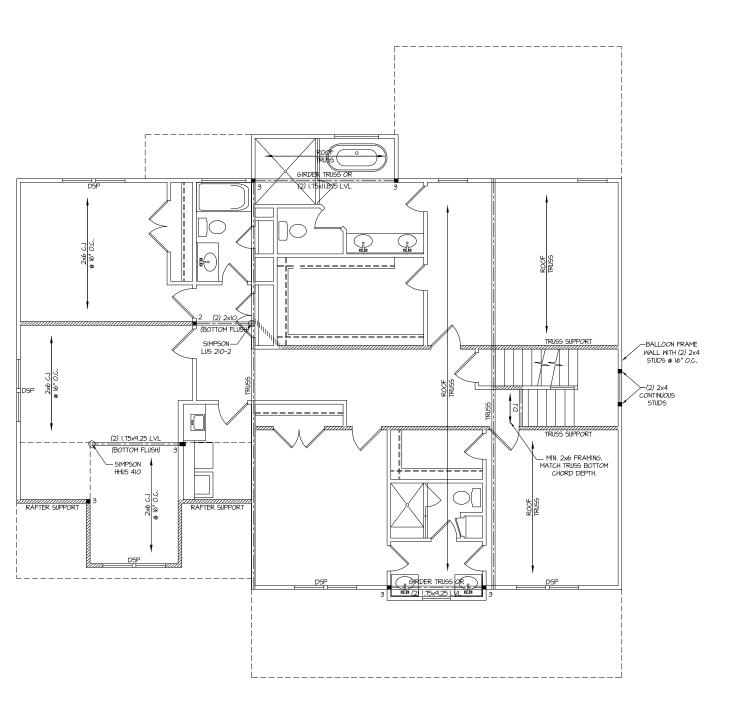
DYNAMIC DESIGN GROUP

Lot 316, Serenity "Manteo-GL"

ICG HOMES

S-2.1





Southern Engineers, P.A. 3716 Benson Drive, Raleigh, NC 27609 Phone: (919) 878-1617 License: C-4772 www.southernengineers.com

PROJECT # 22-1480 (316SR)

DYNAMIC DESIGN GROUP

ICG HOMES

Lot 316, Serenity "Manteo-GL"





DSP

Southern Engineers, P.A. 3716 Benson Drive, Raleigh, NC 27609 Phone: (919) 878-1617 License: C-4772 www.southernengineers.com

PROJECT # 22-1480 (316SR)

DYNAMIC DESIGN GROUP

Lot 316, Serenity "Manteo-GL" ICG HOMES



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

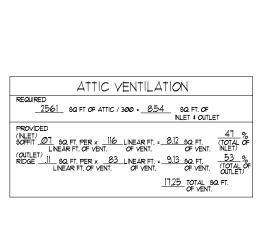
- TRUSS SYSTEM LAYOUTS (PLACEMENT PLANS) SHALL BE DESIGNED IN ACCORDANCE WITH SEALED STRUCTURAL PLANS. ANY NEED TO CHANGE TRUSSES SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
- ALL TRUSSES SHALL BE DESIGNED FOR BEARING 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 SCHEMATICS.

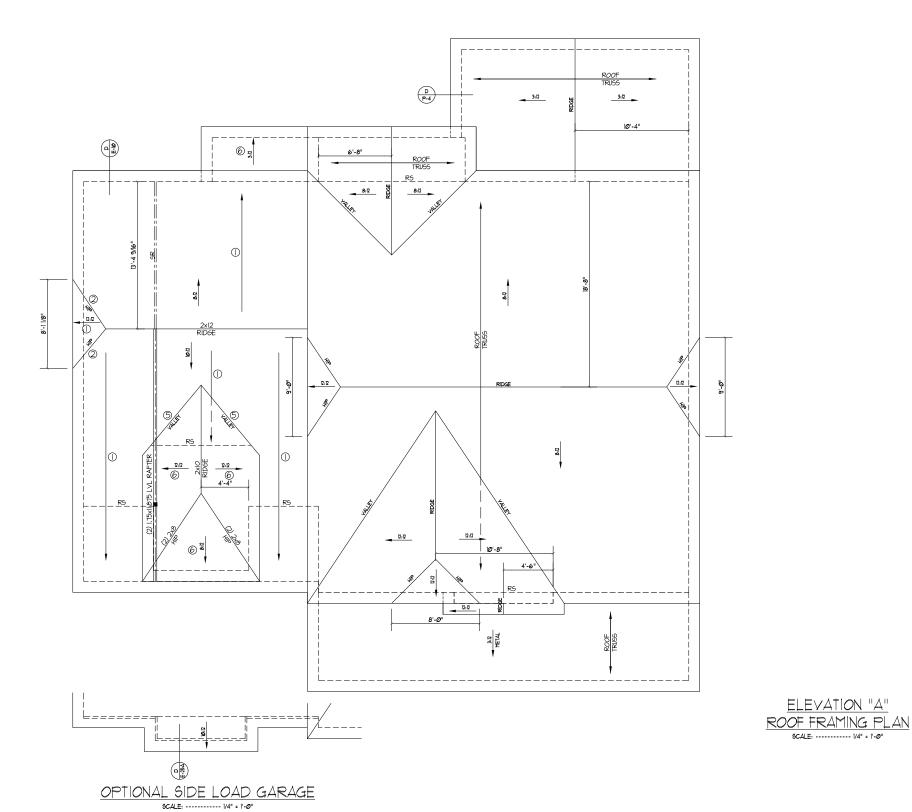
ROOF FRAMING NOTES:

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

- (I) 2x8 RAFTERS @ 16" O.C. WITH 2x10 RIDGE, UNO.
- (2) 2xi0 OR 1.75x11,675 LVL HIP. (2) 2xi0 HIP5 MAY BE SPLICED WITH A MIN. 6'-0" OVERLAP AT CENTER
- (3) (2) 2xIO OR 1.75x9.25 LVL VALLEY. DO NOT SPLICE VALLEYS
- 4) 1.75x11.875 LVL OR (2)1.75x9.25 LVL VALLEY
- (5) FALSE FRAME VALLEY ON 2xIO FLAT PLATE
- 6) 2x6 RAFTERS @ 16" O.C. W 2x8 RIDGE, UNO.
- 1) 2xIO RAFTERS @ I6" O.C. W 2xI2 RIDGE, UNO. (8) EXTEND RIDGE 12" BEYOND INTERSECTION

- "SR" = SINGLE RAFTER
 "DR" = DOUBLE RAFTER
 "TR" = TRIPLE RAFTER
 "R5" = ROOF SUPPORT
 "I" = "R0" STUP OR 4X4 POST FOR ROOF SUPPORT (USE
 226 STUDS OR 6X6 POST FOR SUPPORT OVER IO'-O" IN
 LEICALT!
- AND STUDE OR DATE OF THE STATE OF THE STATE





cautions.
plans are to be brought to the ngineers. Failure to do so will

PROJECT# 22-1480 (316SR)

P.A. 27609 Southern Engineers, P. 3716 Benson Drive, Raleigh, NC 274 Phone: (919) 878-1617 License: C-4772 www.southernengineers.com

DYNAMIC DESIGN GROUP

ICG HOMES

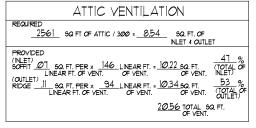
Lot 316, Serenity "Manteo-GL"

ELEVATION "A"

9CALE: ----- 1/4" = 1'-Ø"







Southern Engineers, P.A. 3716 Benson Drive, Raleigh, NC 27609 Phone: (919) 878-1617 License: C-4772 www.southernengineers.com

PROJECT # 22-1480 (316SR)

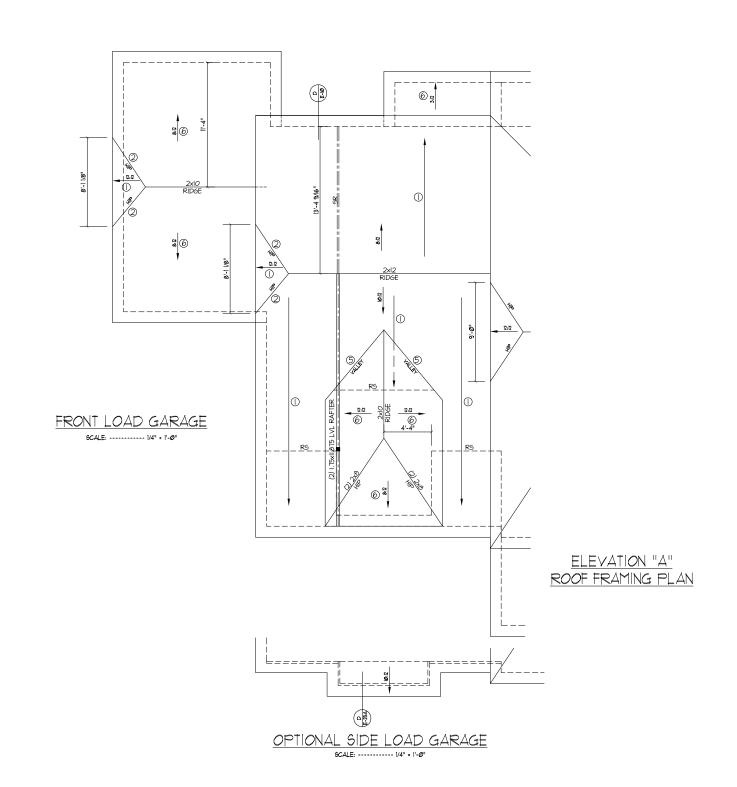
Engineers seal applies only to structural components on this document.
Seal does not include construction means, methods, techniques, sequences, procedurens or affect precautions.
Any deviations or discrepancies on plans are to be brought to the immediate attention of Southern Engineers. Failure to do so will void Southern Engineer's liability.
Seal is valid for projects permitted one year from date of seal. Use of these plans constitutes approval of terms & conditions as defined in the customer armentant.

DYNAMIC DESIGN GROUP

Lot 316, Serenity "Manteo-GL"

ICG HOMES

S-5.1



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 BEARING WALLS, PIER & GINDER 919-1EN, FOOTING, AND PILING SYSTEM. BIGINEER'S SEAL DOES NOT CERTIFT 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 THE 2018 NO 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 PROCEDIRES, 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, 10 PSF, L/360) SLEEPING ROOMS: (30 PSF, 10 PSF, L/360) ATTIC WITH PERMANENT STAIR: (40 PSF, IO PSF, L/360)
- ATTIC WITHOUT PERMANENT STAIR: (20 PSF, I/0 PSF, L/360) ATTIC WITHOUT STORAGE: (10 PSF, I/0 PSF, L/240)
- STAIRS: (40 PSF, IO PSF, L/360)
- EXTERIOR BALCONIES: (60 PSF, IO PSF, L/360) DECKS: (40 PSF, IO PSF, L/360)
- GUARDRAILS AND HANDRAILS: (200 LBS)
- PASSENGER VEHICLE GARAGES: (50 PSF, IO PSF, L/360) FIRE ESCAPES: (40 PSF, IO PSF, L/360)
- SNOW: (20 PSF)
- 4. 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.
- 6. CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PS AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (UNO). AND A MAKINDM SENT BELLE MOZES MILES ONLESS SHALL BE PROPORTIONED, MINED, 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 SANCUT TO A DEPTH OF I/D. (I.E. 4" CONCRETE SLABS SHALL HAVE &" DEEP CONTROL JOINTS SAWCUT IN
- ALLOWABLE SOIL BEARING PRESSURE ASSUMED TO BE 2000 PSF. THE CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER IF UNGATISFACTORY SUBGURFACE CONDITIONS ARE ENCOUNTERED. THE SURFACE AREA AD JACENT TO THE ARE ENCOVIERED. THE SURFACE AREA AUGACENT TO THE FOUNDATION WALL SHALL BE PROVIDED WITH ADEQUATE DRAINAGE, AND SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS.
- 8. ALL FRAMING LUMBER SHALL BE SPE #2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE 5YP # 2. PLATE MATERIAL MAY BE 5PF # 3 OR 5YP #3 (Fc(perp) = 425 PSI - MIN).
- 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=1.55xIO 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
- 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 BEAM SUPPORT MITH TWO LAG SCREMS (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
- REBAR SHALL BE DEFORMED STEEL, ASTM615, GRADE 60. LAP ALL REBAR SPLICES 30 BAR DIAMETERS.
- 13. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING (2) ROMS OF 1/2" DIAMETER BOLTS (ASTM A325) WITH MASHERS FLACED 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
- 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 4"-0". SEE PLANS FOR SPANS OVER 4"-0". SEE ALSO SECTION RT03.6.3 LINTELS.

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 SCHEMATICS.

HEADER/BEAM & COLUMN NOTES

- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2xIO (4" WALL) OR (3)2xIO (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) 01 AS BELOW PER NCDOI COMMENTARY "KING STUDS AT WALL OPENINGS" REVISED 1-9-2020:
- UP TO 3' SPAN: (I) KING STUD OVER 3' UP TO 6' SPAN: (2) KING STUDS
- OVER 6' UP TO 9' SPAN: (3) KING STUD9
- OVER 9' UP TO 12' SPAN: (4) KING STUDS OVER 12' UP TO 15' SPAN: (5) 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 SECTION R602.10 OF THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING AND WALL FRAMING.
- 2. EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (MSP) (EXPOSURE B: T/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
- MSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE. BLOCK AT ROOF PER SECTION R602.10.4.5 AND ATTACH BRACED WALLS PER CODE. MSP SHEATHING BETNEEN

 ATTACH BRACED WALLS PER CODE. MSP SHEATHING BETNEEN

 TO SHEATHING SHALLS PER CODE. MSP SHEATHING SHEATHIN FLOORS SHALL BE SPLICED ALONG CONTINUOUS BAND OR THE WSF 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 BOO POUND CAPACITY ASSEMBLY AS NOTED ON
 PLANS, SEE DETAILS FOR HD ASSEMBLY.

 **GROUND/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON SD
- 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
- 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW_MSP" ON PLANS). ATTACH ONE SIDE WITH 76" MSP 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 MGP AS REQUIRED, ATTACH OPPOSITE SIDE WITH 1/2" GB WITH A MN. OF 5d COOLER NAILS OR #6 SCREWS @ 7" OC ALONG THE EDGES AND AT

PORCH POST NOTES:

- 4"x4" (6"x6") TRT'D POST (OR EQUAL). · ATTACH TRUSSES (RAFTERS) AT PORCH WITH
- HURRICANE CONNECTORS.

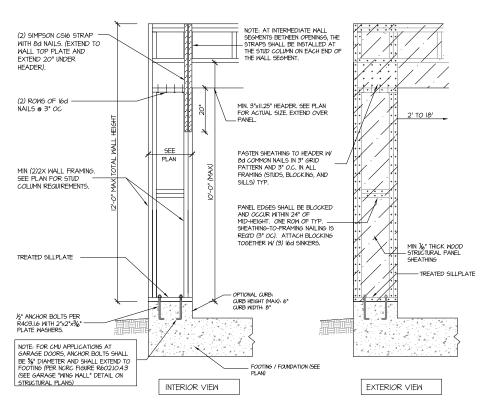
 POST CAP: SIMPSON AC4-MAX (AC6-MAX) POST CAP AT CORNER: (2) SIMPSON LCE4 (MITER HEADER AT CORNER). HIGH WIND; ADD (1) SIMPSON H6.
- 3. POST BASE: SIMPSON ABU44 (ABU66). MONO: %" ANCHOR (EMBED 7")

 (MU): %" ANCHOR (EXTEND TO FOOTING HIGH WIND ONLY) 3.I. 3.2.
- POST BASE: WOOD FOUNDATION: (2)
 SIMPSON CSI6 STRAPS AT POSTS. EXTEND 12" ONTO EACH POST (UPPER AND LOWER)
- <u>NOTE:</u> EQUIVALENT POST CAP AND BASE ACCEPTABLE.

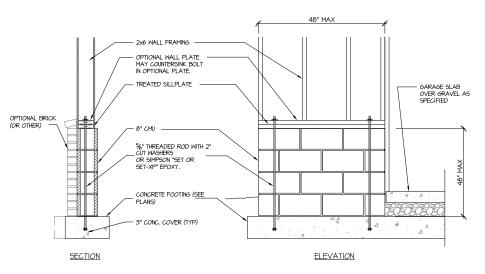
NOTE: I-JOISTS MAY BE SUBSTITUTED WITH FLOOR TRUSSES BY THE MANUFACTURER,

- WOOD I-JOISTS (SHALL BE ONE OF THE FOLLOWING): TJI 210 BY TRUS JOIST
- LPI 20 PLUS BY LP
- BCI 5000s I.8 BY BC
- ALL WOOD I-JOISTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- INSTALL SQUASH BLOCKS, WEB STIFFENERS, ETC. AS REQUIRED BY AND ACCORDING TO THE I-JOIST MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS.
- HANGERS FOR I- IDISTS ARE THE RESPONSIBILITY OF THE I-JOIST SUPPLIER





(905B)CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION DETAIL AND APPLICATION BASED ON NORC FIGURE R602.IO.I - PORTAL FRAME CONSTRUCTION



GARAGE 'WING WALL' REINFORCING PER IRC FIGURE R602.IO.4.3

PROJECT# 22-1480 (316SR)

Ä 27609 \Box Engineers, Drive, Raleigh, NC e: (919) 878-1617 nson Drive, Ra Phone: (919) Southern

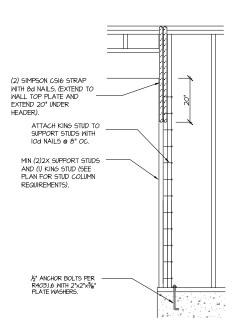
DYNAMIC DESIGN GROUP

Ber

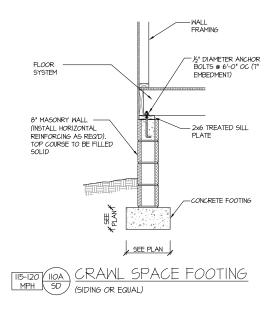
3716

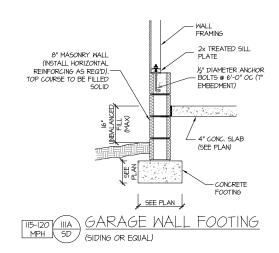
Serenity ICG HOMES 316, Lot

SD

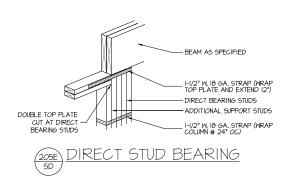


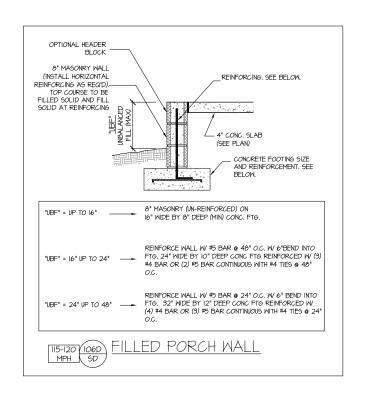
(906) CS-PF: END CONDITION DETAIL (FOR USE WITH SINGLE CS-PF CONDITION) DETAIL AND APPLICATION BASED ON NORG FIGURE R602.10.1 - PORTAL FRAME CONSTRUCTION











CARO

PROJECT # 22-1480 (316SR)

Engineers sea applies only to structural components on this document.

Seal does not include construction means, methods, techniques, sequences, procedures or safety precautions.

Any deviations or discrepancies on plans are to be brought to the immediate attention of Southern Engineers. Failure to do so will void Southern Engineer's liability.

Southern Engineers, P.A. 3716 Benson Drive, Raleigh, NC 27609 Phone: (919) 878-1617 License: C-4772 www.southernengineers.com

DYNAMIC DESIGN GROUP

Lot 316, Serenity
"Manteo-GL"
ICG HOMES

SD