

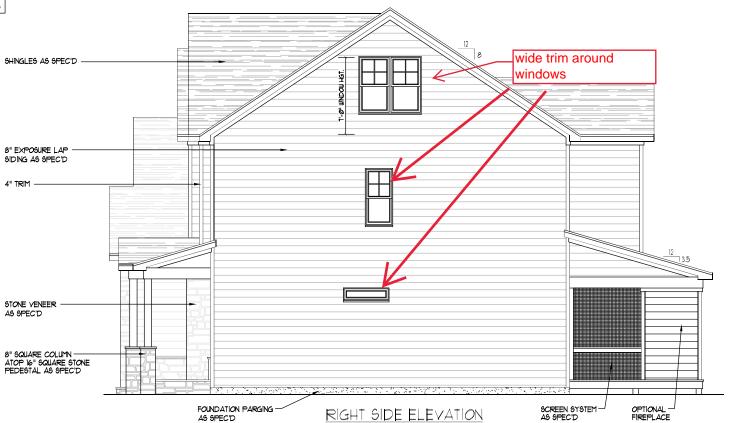


12" x 36" LOUVERED -

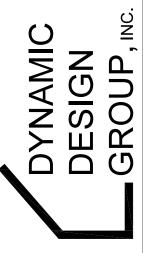
TABLE 402.1.1 ENERGY CONSERVATION CODE

INDUCATION AND PENSIONATION REGULARITIES DT CONTROLLENT											
CLIMATE		SKY-	GLAZED	MINIMUM INSULATION R-VALUE							
ZONE	FENS. U-FAC	LIGHT U-FAC	FENS. SHGC	CEILING	WALL	MASS	FL00R	BSMNT WALL	SLAB # DEPTH	CRAWL	
	U-FAC	U-FAC	OHGU		MA. APP	WALL	LOOK	WALL	• DEL IH	DEACE	
3	Ø.35	0.55	030	38 or 30 cont	15 or 13-2.5	5/13 or 5/10 cont	19	5/13	ø	5/13	
4	Ø.35	Ø55	Ø3Ø	38 or 30 cont	15 or 13+2.5	5/13 or 5/10 cont	19	10/13	Ю	100/13	
5	Ø.35	055	NR	38 or 30 cont	19, 13+5 or 15+3	13/17 or 13/125 con	3Ø	10/13	Ø	10/19	

SEE TABLE 30/1 CLIMATE ZONES BY COUNTY ENERGY CONSERVATION CODE
SEE FOOTNOTES OF TABLE NIB21 FOR FOOTNOTES AND DETAILED EXPLANATIONS.



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



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 2024

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.

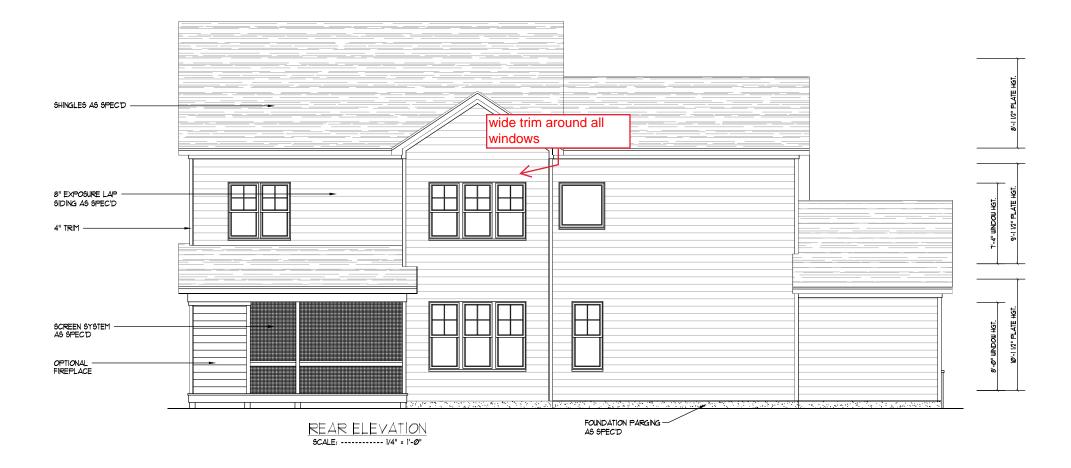
PROJECT FOR: I.C.G.
LOCATION: TBD
LOT: MULTI
SUBDIVISION: TBD
COUNTY: TBD

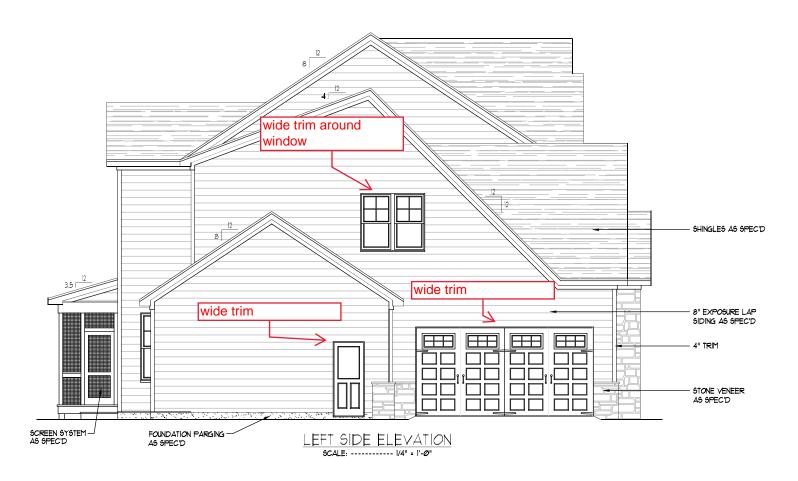
JALL1.11.24

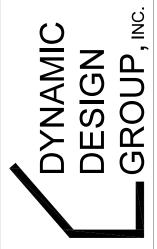
PLAN NAME C2-3069-56GL 7

A-1A.1









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 2024

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: I.C.G. LOCATION: TBD LOT: MULTI SUBDIVISION: TBD

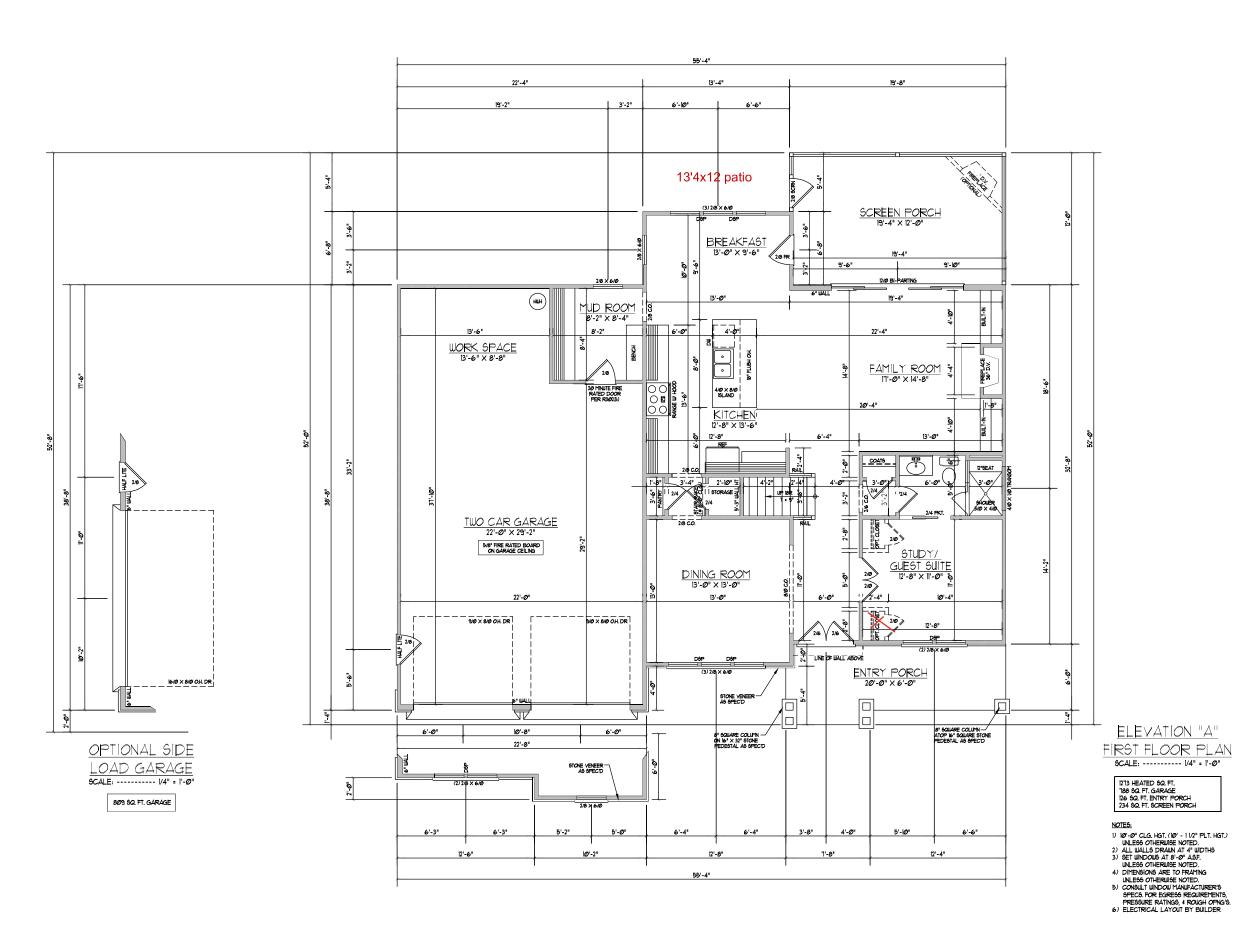
COUNTY: TBD

4 , 1.24 DATE _ MARSHA

C2-3069-56GL PLAN I.D.

SHEET





SIGN Ř Ш́

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 2024

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: I.C.G. LOCATION: TBD LOT: MULTI SUBDIVISION: TBD

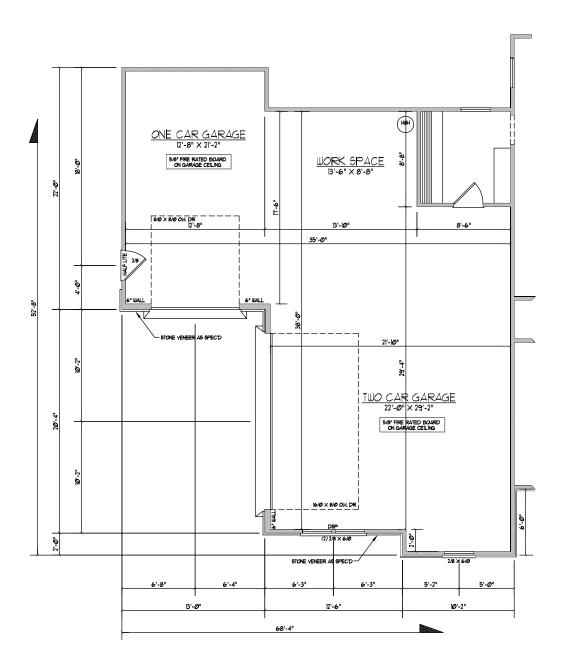
COUNTY: TBD

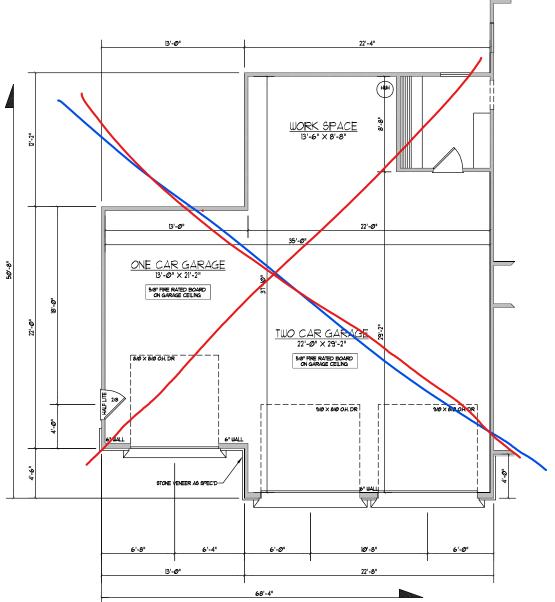
S $\overline{}$ $\overline{}$

C2-3069-56GI

SHEET







OPT. 3rd CAR FRONT LOAD GARAGE

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

1014 SQ. FT. GARAGE

NOTES:

ELEVATION "A"

NOTES:

1) 10"-0" CLG, HGT. (10" - 1 1/2" PLT. HGT.)

UNLESS OTHERWISE NOTED.

2) ALL WALLS DRAWN AT 4" WIDTHS

3) SET WINDOWS AT 8"-0" ASF.

UNLESS OTHERWISE NOTED.

4) DIMENSIONS ARE TO REATHING

UNLESS OTHERWISE NOTED.

5) CONSULT WINDOW MANIFACTURER'S

SPECS, FOR EGRESS REQUIREMENTS,

PRESSURE RATINGS, 4 ROUGH OPPAG'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 2024

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: I.C.G. LOCATION: TBD LOT: MULTI SUBDIVISION: TBD

COUNTY: TBD

4 . 1.24 DATE MARSHA

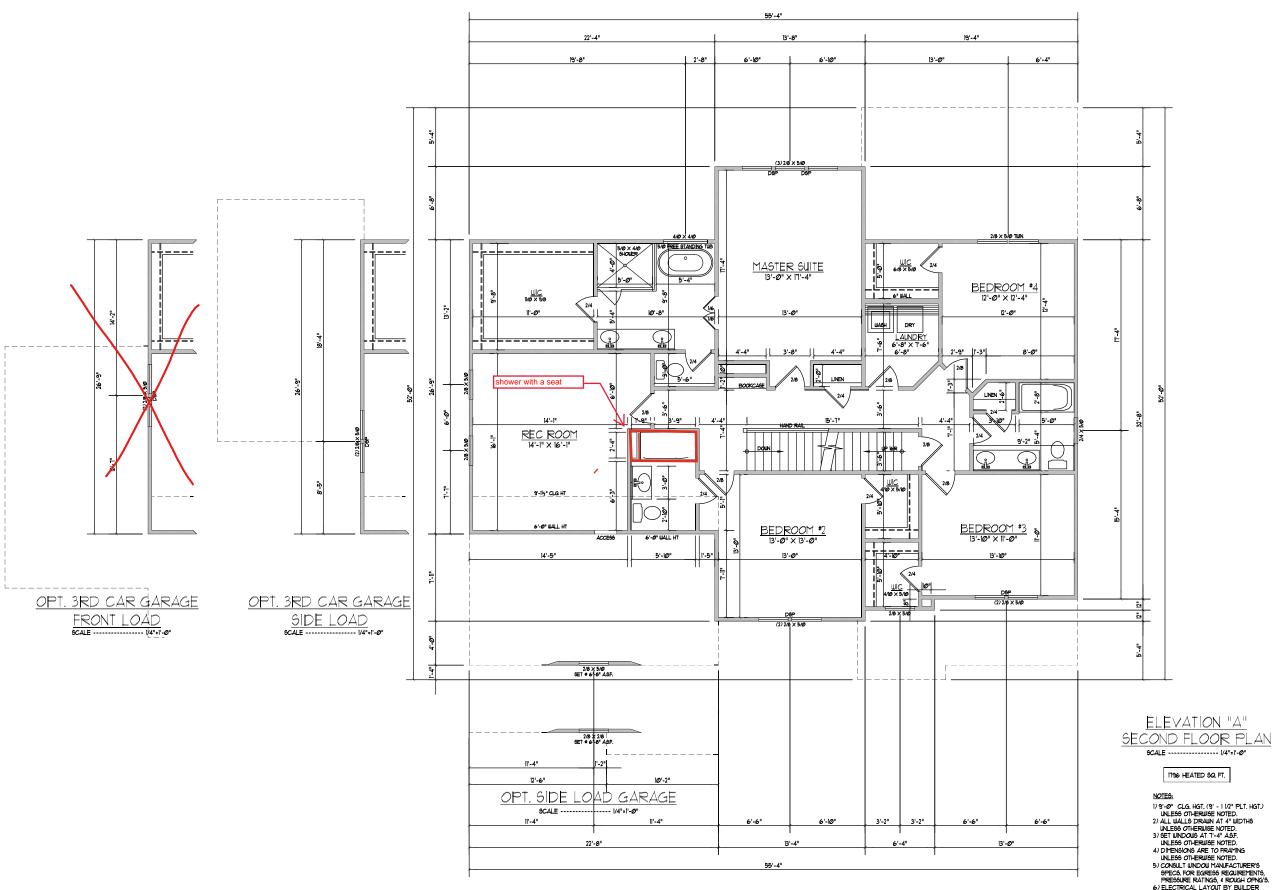
C2-3069-56GI

SHEET

OPT. 3rd CAR SIDE LOAD GARAGE SCALE: ----- 1/4" = 1'-Ø"

1016 SQ. FT. GARAGE





DESIGN Ř

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 begin and obly for exid. specified herein, and only for said location. COPYRIGHT 2024

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: I.C.G. LOCATION: TBD LOT: MULTI SUBDIVISION: TBD

COUNTY: TBD

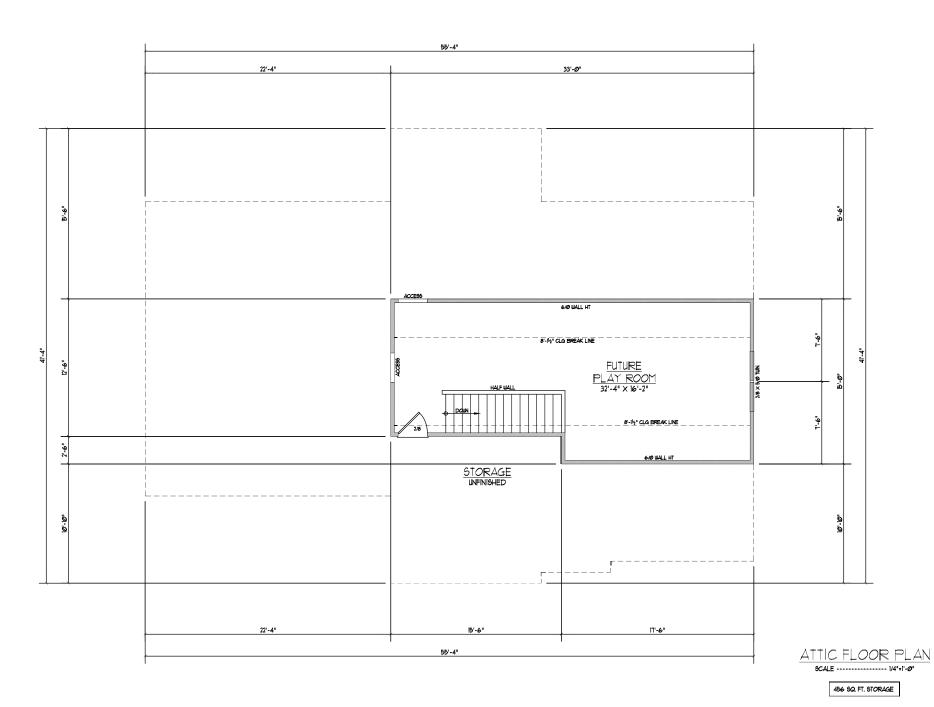
4 . 1.24 DATE

MARSHA C2-3069-56GI

SHEET

6) ELECTRICAL LAYOUT BY BUILDER





DESIGN

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 2024

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: I.C.G. LOCATION: TBD LOT: MULTI SUBDIVISION: TBD COUNTY: TBD

> . 1.24 DATE

C2-3069-56GL

SHEET

NOTES:

1) 8'-0" CLG, HGT. (8' - 1 1/2" PLT, HGT)

1) ALL WALLS FEURED AT 4" WIDTHS

1) ALL WALLS FEURED AT 4" WIDTHS

1) AET WINDOWS AT 6'-2" ASF.

1) LINESS OTHERWISE NOTED.

4) DIMENSIONS ARE TO FRAMING

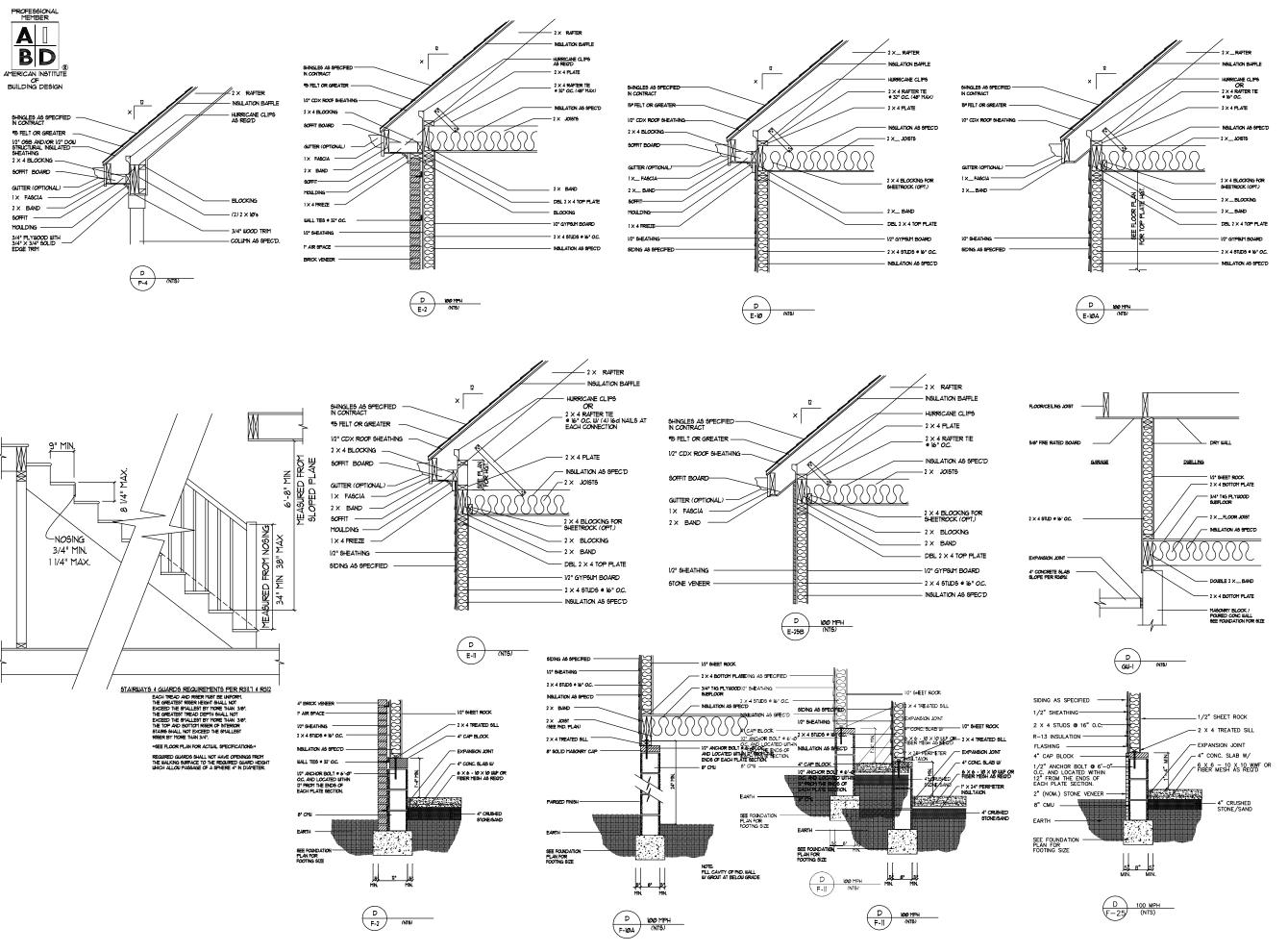
INLESS OTHERWISE NOTED.

5) CONSULT WINDOW HANLFACTURER'S

SPECS, FOR EGRESS REQUIRENTINTS,

PRESSURE RATINGS, 14 ROUGH OPING'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 2024

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: 1.C.G.

LOCATION: TBD

LOT: MULTI

SUBDIVISION: TBD

LOT: MULTI
SUBDIVISION: TBD
COUNTY: TBD

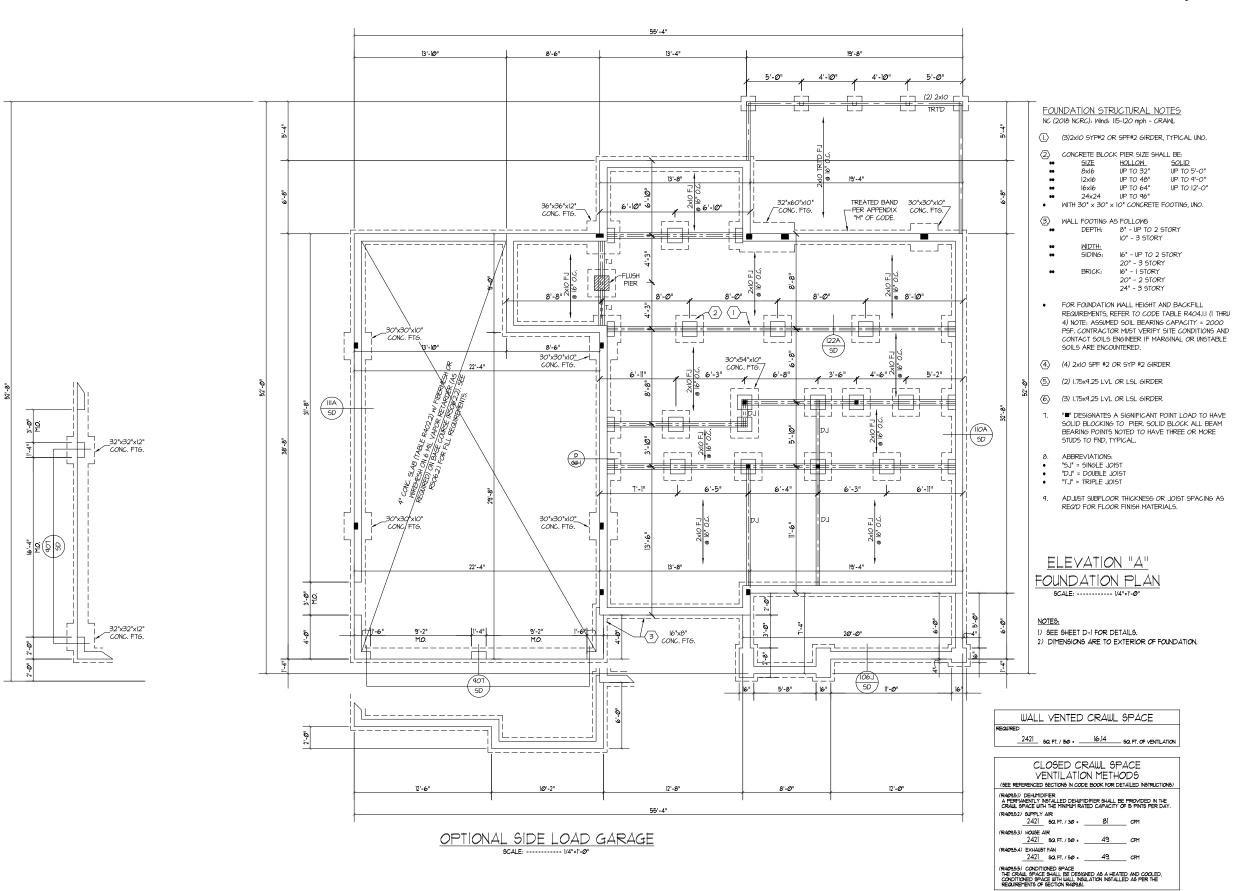
RSHALL
PLAN NAME
1.11.24

DATI

C2-3069-56

D-1
SHEET





PROJECT # 22-1915 (314)

or discrepancies on plans are to be brought to the ration of Southern Engineers. Failure to do so will void certs liability. components on this docu

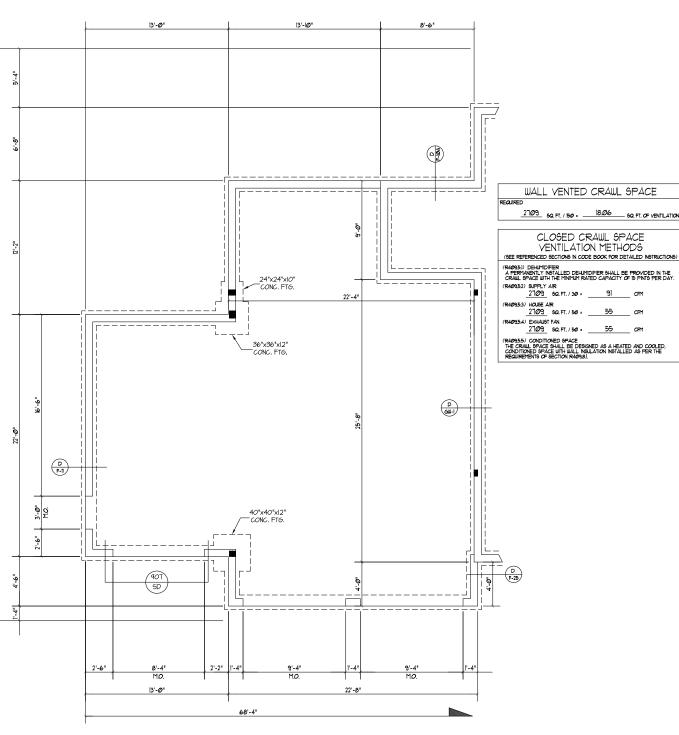
P.A. 27609 Southern Engineers, F 3716 Benson Drive, Raleigh, NC 2 Phone: (919) 878-1617 License: C-4772 www.southernengineers.com

> DYNAMIC DESIGN GROUP

Serenity 314, Serer "Marshall-A-GL" ICG HOMES Lot

S-1.1





D F-II D GW-1 (a)

OPT. 3rd CAR SIDE LOAD GARAGE SCALE: ------------ 1/4" = 1'-0"

ELEVATION "A" FOUNDATION PLAN

NOTES:

I) SEE SHEET D-I FOR DETAILS.

2) DIMENSIONS ARE TO EXTERIOR OF FOUNDATION.

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

PROJECT # 22-1915 (314)

or sarety pre-cautions.

spancies on plans are to be brought to the
Southern Engineers. Failure to do so will void

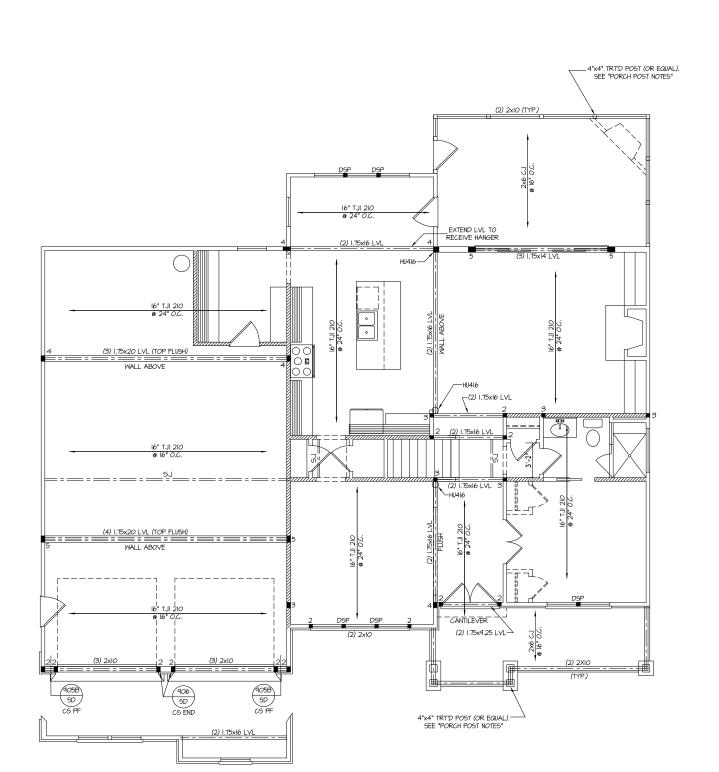
Engineers seal applies only to set Seal does not include construction sequences, procedures or safety. Any deviations or discrepancies of immediate attention of Southern Southern Engineer's liability. Seal is valid for projects permittee Use of these plans constitutes ap in the customer agreement.

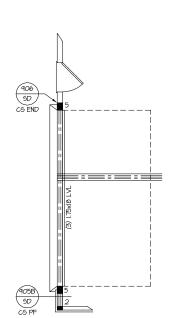
DYNAMIC DESIGN GROUP

: 314, Serenity "Marshall-A-GL" ICG HOMES Lot

S-1.2







NOTE

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

PROJECT # 22-1915 (314)

Engineers seal 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 Faithure to do so will void Southern Engineers Eability.

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 agreement.

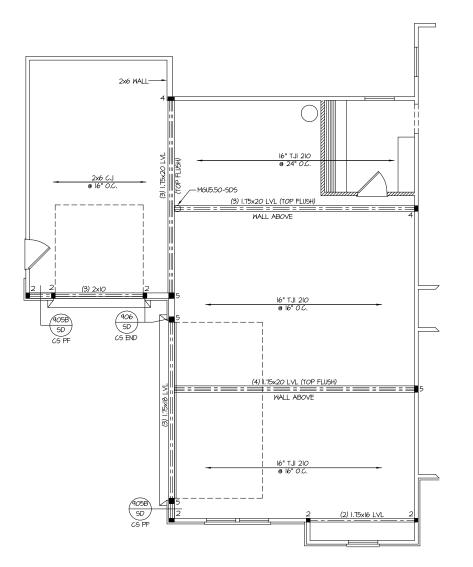
Southern Engineers, P.A. 3716 Benson Drive, Raleigh, NC 27609 Phone: (919) 878-1617 License: C-4772 www.southemengineers.com

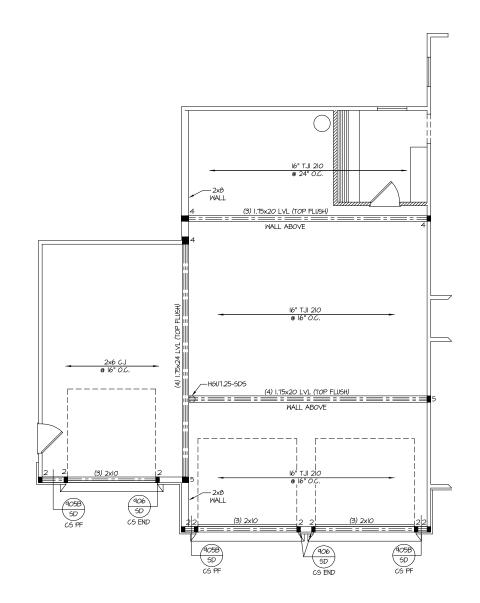
DYNAMIC DESIGN GROUP

Lot 314, Serenity
"Marshall-A-GL"
ICG HOMES

S-2.1







FIRST FLOOR CEILING / STRUCTURAL PLAN SCALE: 1/4" = 1'-0"

NOTE

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

PROJECT # 22-1915 (314)

Engineers seal 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 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 agreement.

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

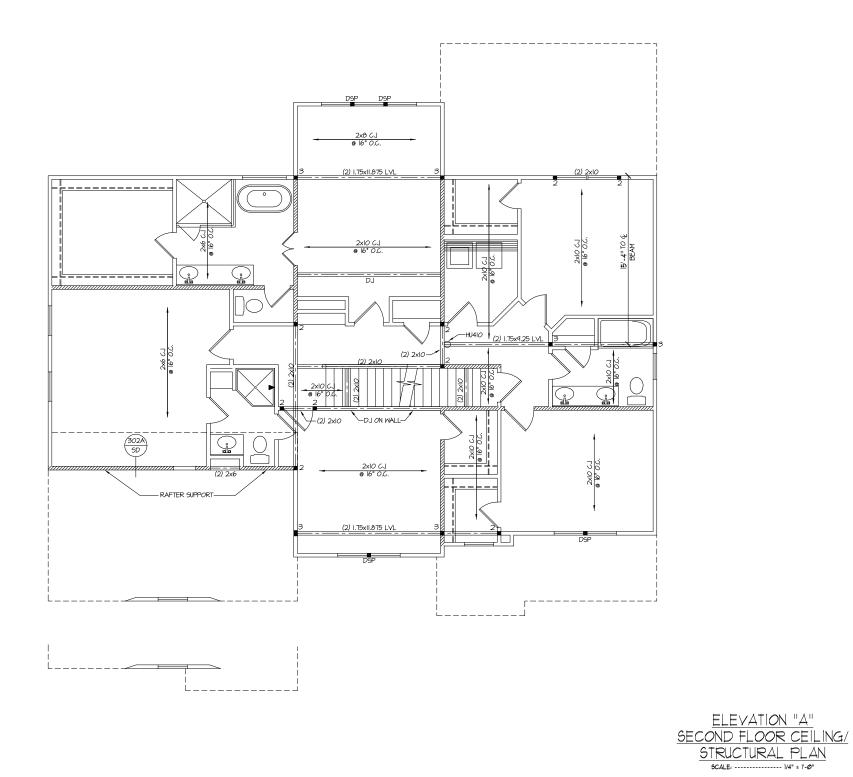
Lot 314, Serenity
"Marshall-A-GL"
ICG HOMES

DYNAMIC DESIGN GROUP

S-2.2







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

PROJECT # 22-1915 (314)

by precautons.
so on plans are to be brought to the
em Engineers. Failure to do so will void

DYNAMIC DESIGN GROUP

ICG HOMES

Lot 314, Serenity "Marshall-A-GL"

S-3

NOTES:

1) SHADED WALLS DENOTE LOAD BEARING WALLS.

2) # DENOTES SOLID STUDS.





DYNAMIC DESIGN GROUP

PROJECT # 22-1915 (314)

Engineers seal 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 Engineers 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 agreement.

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

Lot 314, Serenity "Marshall-A-GL"

ICG HOMES

S-4

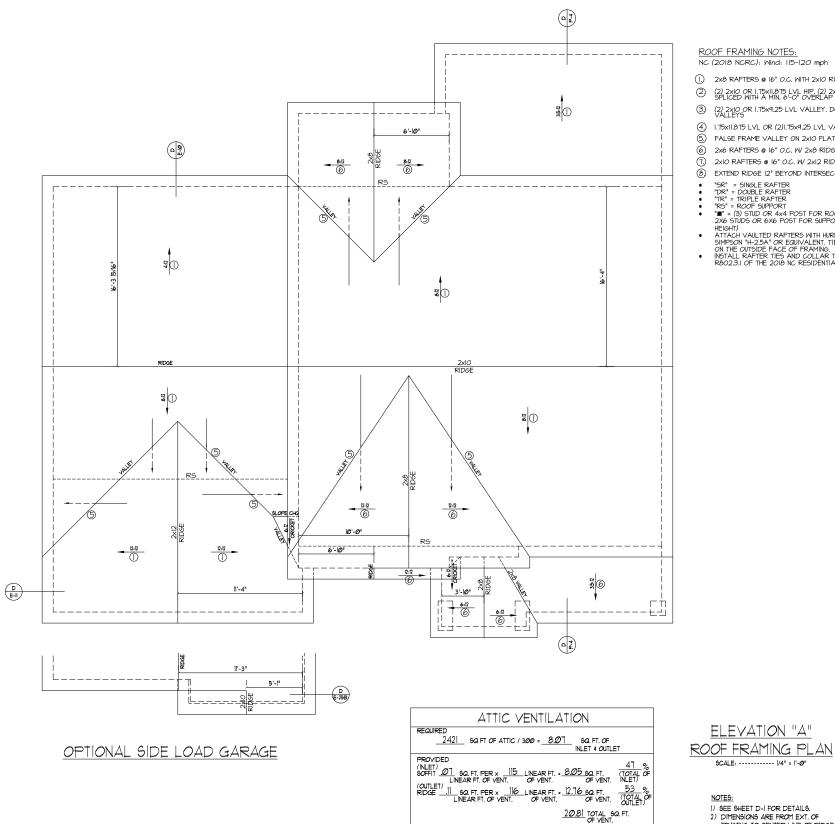
ATTIC FLOOR CEILING/ STRUCTURAL PLAN

NOTES:

1) SHADED WALLS DENOTE LOAD BEARING WALLS.

2) ■ DENOTES SOLID STUDS.





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

- (I) 2x8 RAFTERS @ 16" O.C. WITH 2xIO RIDGE, UNO.
- (2) 2xIO OR 1.75xII.875 LVL HIP. (2) 2xIO HIPS MAY BE SPLICED WITH A MIN. 6'-O" OVERLAP AT CENTER
- (2) 2x10 OR 1.75x4.25 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.
- EXTEND RIDGE 12" BEYOND INTERSECTION

ELEVATION "A"

SCALE: ----- 1/4" = 1'-Ø"

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

NOTES:

- EXTEND RIDGE 12" BEYOND INTERSECTION

 "SR" = SINGLE RAFTER

 "TR" = TRIPLE RAFTER

 "S" = ROOF SUPPORT

 "B" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT (USE
 2X6 STUDS OR 6x6 POST FOR SUPPORT OVER 10'-0" IN
 HEIGHT)

 ATTACH VAULTED RAFTERS WITH HURRICANE CLIPS:
 SIMPSON "H-2.5A" OR EQUIVALENT. TIES TO BE INSTALLED
 ON THE OUTSIDE FACE OF FRAMING.
 INSTALL RAFTER TIES AND COLLAR TIES PER SECTION
 R802.3.1 OF THE 2018 NC RESIDENTIAL CODE.

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

ICG HOMES

: 314, Serenity "Marshall-A-GL" Lot

S-5.1

PROJECT # 22-1915 (314) Engineers seal applies only to structural components on this document. Seal does not include construction means, methods, techniques, sequences, procedures or safety precautions.

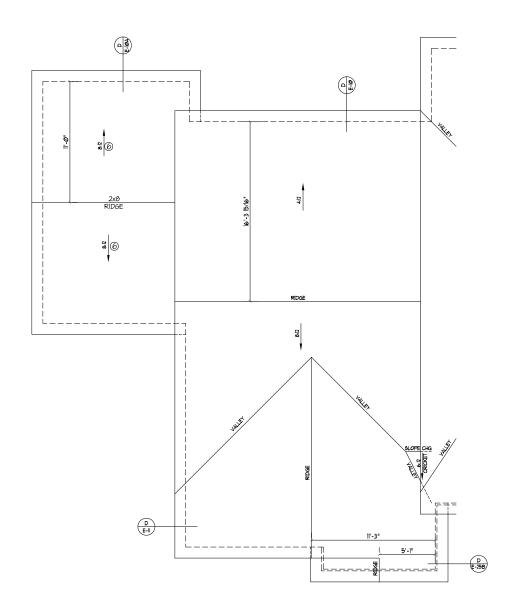
Any deviations or discrepancies on plans are to be brought to the immediate attention of Southern Rapineers Failure to do so will void Southern Engineers liability.

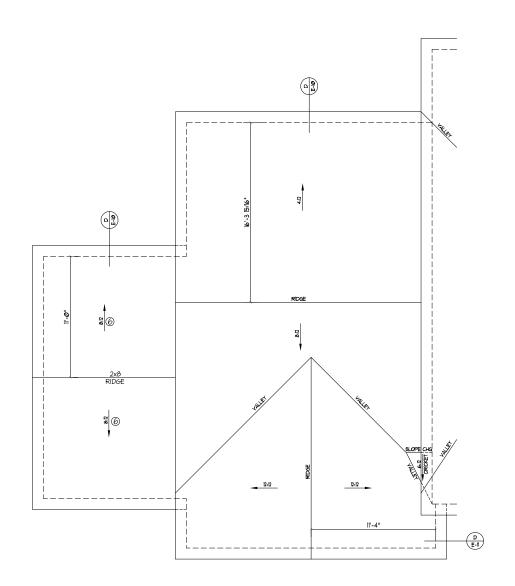
Seal is valid for projects permitted one year from date of seal.

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

DYNAMIC DESIGN GROUP







OPT. 3rd CAR FRONT LOAD GARAGE SCALE: 1/4" = 1"-0"

NOTES:

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

PROJECT # 22-1915 (314)

Engineers seal 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.

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 agreement.

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

DYNAMIC DESIGN GROUP

Lot 314, Serenity "Marshall-A-GL" ICG HOMES

S-5.2

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 ONNITIEVERS, OF THE RESIDENCE SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM, ALL REQUIREMENTS FOR PROFESSIONAL CERTIFICATION SHALL BE PROVIDED BY THE APPROPRIATE PROFESSIONAL. SCATTERN ENGINEERS, P.A. CERTIFIES ONLY THE STRUCTURAL COMPONENTS AS SPECIFICALLY STATED.
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE 2018 NO. ALL CONSTRUCTION SPALL CONTON TO THE ALTEST REQUIREMENTS OF THE 2016 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 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, IO PSF, L/360)
- SLEEPING ROOMS: (30 PSF, IO PSF, L/360)
- ATTIC WITH PERMANENT STAIR: (40 PSF, I/0 PSF, L/360)
 ATTIC WITHOUT PERMANENT STAIR: (20 PSF, I/0 PSF, L/360)
- ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, L/240)
- STAIRS: (40 PSF, IO PSF, L/360)
 DECKS AND EXTERIOR BALCONIES: (40 PSF, IO PSF, L/360)

- PASSENGER VEHICLE GARAGES: (50 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
- 6. CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERNISE (IND.). AIR ENTRAINED PER TABLE 402.2.
 ALL CONCRETE SHALL BE PROPPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND
 PLACED IN ACCORDANCE WITH ACI STANDARDS, ALL SAMPLES FOR PUMPING SHALL BE
 TAKEN FROM THE EXIT END OF THE PWP. 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 $\rlap/$ 4" DEEP CONTROL JOINTS SANCUT 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
- 8. ALL FRAMING LIMBER SHALL BE SPF #2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (INO). ALL TREATED LIMBER SHALL BE SYP # 2. PLATE MATERIAL MAY BE SPF # 3 OR SYP #3 (Fc(perp) = 425 PSI - MIN)
- 9. L.V.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=265 PSI, E=1.4x10 PSI. 4.I. P.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=2400 PSI, Fv=240 PSI, E=2.0x10
- PSI.
 4.2. L.S.L. SHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=1.55xl0 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 MITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANCE 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) ATTACHED TO PACE SUPPORT IN 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 ASOO.
- 12. REBAR SHALL BE DEFORMED STEEL, ASTM615, GRADE 60. LAP ALL REBAR SPLICES 30
- 13. 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
- 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 R103.6.3 LINTELS.
- 15. METAL CONNECTORS REFERENCED ON PLANS CORRESPOND TO SIMPSON STRONG-TIE BRAND. CONNECTORS OF EQUAL OR BETTER CAPACITY ARE ACCEPTABLE, CORROSION RESISTANCE PER CODE AND AS RECOMMENDED BY MANUFACTURER.

FRAMING NOTES

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

- BRACING METHOD AND TYPE: CONTINUOUSLY SHEATHED WSP: CS-WSP. NOTE THAT THE WALL BRACING AHOUNT PROVIDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF WALL BRACING PROGUED BY SECTION REQUIRED BY SOCIOUS REMOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING AND
- 2. EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (MSP) (EXPOSURE B: 17/6". 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.
- MSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE. BLOCK AT ROOF PER SECTION R60210.45 AND ATTACH BRACED MALLS PER COPE. MSP SHEATHING BETWEEN FLOORS SHALL BE SPLICED ALONG CONTINUOUS BAND OR THE MSP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER
- "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
- HEADER) AND ATTACH EACH END W (7) 8d NAILS.
- 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 SCRENG @ 1" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF THE CODE.
- 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH 16" WSP SHEATHING WITH 8d NAILS AT A 6"/ID" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. ATTACH 6B OVER KEP AS REQUIRED. ATTACH OPPOSITE SIDE MITH 1/2" 6B WITH A MIN. OF 5d COOLER NAILS OR #6 SCRENG @ 7" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF

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
- 2. THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN, THE SIDDS REQUIRED IN SIDD POCKET OR COLUMN. I NUMBER OF KING STUDDS AT EACH END OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO ITEM "d" IN TABLE R602.3(5) OR AS BELOW PER NODOL COMMENTARY "KING STUDS AT WALL OPENINGS" REVISED I-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 STUDS
- OVER 9' UP TO 12' SPAN: (4) KING STUDS
- OVER 12' UP TO 15' SPAN: (5) KING STUDS

LVL CONNECTION LEGEND

- (2) PLY 175" LVL BEAMS:
- (3) ROWS OF IOD NAILS @ 12" O.C. OR (2) ROWS OF SIMPSON SDW22338 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS UP TO 18"
- (3) ROWS OF SIMPSON SDW22338 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS GREATER THAN 18"
- 2 (3) PLY 175" LVL BEAMS
- (3) ROWS OF IOD NAILS @ 8" O.C. ON EACH SIDE OR
- (2) ROWS OF SIMPSON SDW22500 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS UP TO 18"
- (3) ROWS OF SIMPSON SDW22500 (OR EQUAL SCREWS @ 16" O.C. FOR BEAMS GREATER THAN 18
- (4) PLY 1.75" LVL BEAMS:
- (2) ROWS OF SIMPSON SDW22634 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS UP TO 18"
- (3) ROWS OF SIMPSON SDW22634 (OR EQUAL SCREWS



PORCH POST NOTES:

- 4X4 (6x6) 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 (I) SIMPSON
- 3. POST BASE: SIMPSON ABU44 (ABU66).
- MONO: 5% ANCHOR (EMBED 7")

 CMU: 5% 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 (JPPER AND LOWER) OR TO GIRDER
- NOTE: THE ABOVE CONNECTORS ARE SUGGESTIONS. EQUIVALENT CONNECTORS THAT MEET THE REQUIREMENTS OF THE NC RESIDENTIAL BUILDING CODE, LOCAL CODES, AND/OR ARE APPROVED BY THE BUILDING INSPECTOR MAY BE SUBSTITUTED

- MOOD 1-JOISTS (SHALL BE ONE OF THE FOLLOWING): TJI 210 BY TRUS JOIST
- I PI 20 PI IIS BY I P BCI 5000s I.8 BY BC BLI 40 BY onCENTER

- ALL 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
- HANGERS FOR I-JOISTS ARE THE RESPONSIBILITY OF THE I-JOIST SUPPLIER.

NOTE: I-JOISTS MAY BE SUBSTITUTED WITH FLOOR TRUSSES DESIGNED BY SUPPLIER (SAME DEPTH AND LAYOUT).



PROJECT # 22-1915 (314)

s. re to be brought to the . Failure to do so will vo on this doct nponents methods. Seal Tot

P.A. 27609 uthern Engineers, I 6 Benson Drive, Raleigh, NC 2 Phone: (919) 878-1617 License: C4772 www.southernengineers.com Southern 3716

DYNAMIC DESIGN GROUP

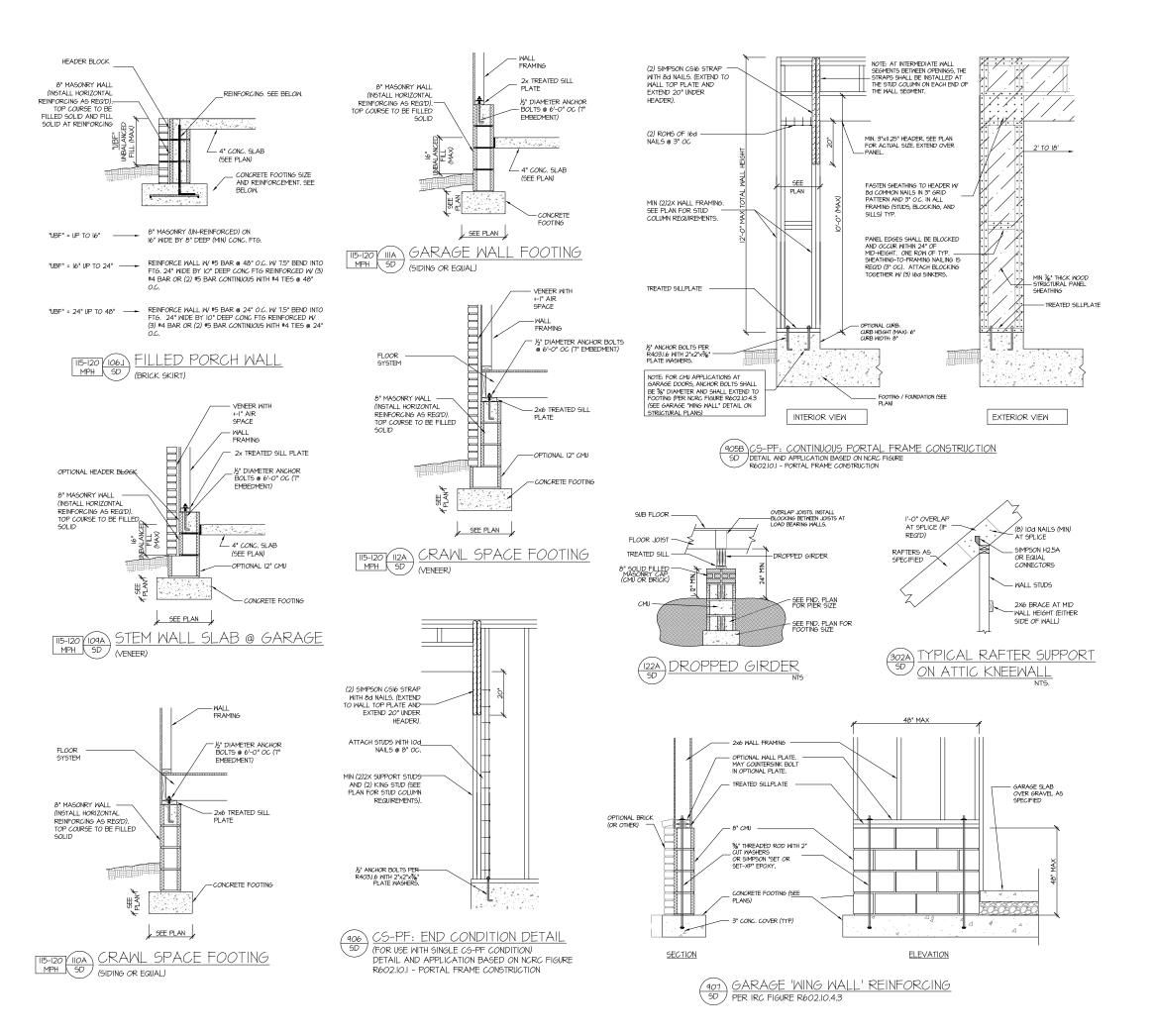
Serenity "Marshall-A-GL" 314,

Lot

HOMES

[GG]

SD



components on this doci is, methods, techniques.

Seal

P.A. 27609

Southern Engineers, I 3716 Benson Drive, Raleigh, NC 2 Phone: (919) 878-1617 License: C-4772

PROJECT # 22-1915 (314)

s. rre to be brought to the . Failure to do so will vo

DYNAMIC DESIGN GROUP Serenity ICG HOMES

"Marshall-A-GL" 314, Lot

SD