



SEE TABLE 30(1) CLIMATE ZONES BY COUNTY ENERGY CONSERVATION CODE SEE FOOTNOTES OF TABLE NI(02.) FOR FOOTNOTES AND DETAILED EXPLANATIONS. SHINGLES AS SPEC'D 4" TRIM -8" EXPOSURE LAP SIDING AS SPEC'D ı 'EE BRICK -AS SPEC'D SCREEN SYSTEM AS SPEC'D FOUNDATION PARGING AS SPEC'D RIGHT SIDE ELEVATION

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

DYNAMIC DESIGN GROUP, INC

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

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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 governs over dimensions.

PROJECT FOR: I.C.G.

LOCATION: TBD

LOT: MULTI

SUBDIVISION: TBD

COUNTY: TBD

SHALL
AN NAME
GR 1.11.24
DATE

PLAN NAME
C2-3069-56GR 1.
PLAN I.D.

A-1B.1







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

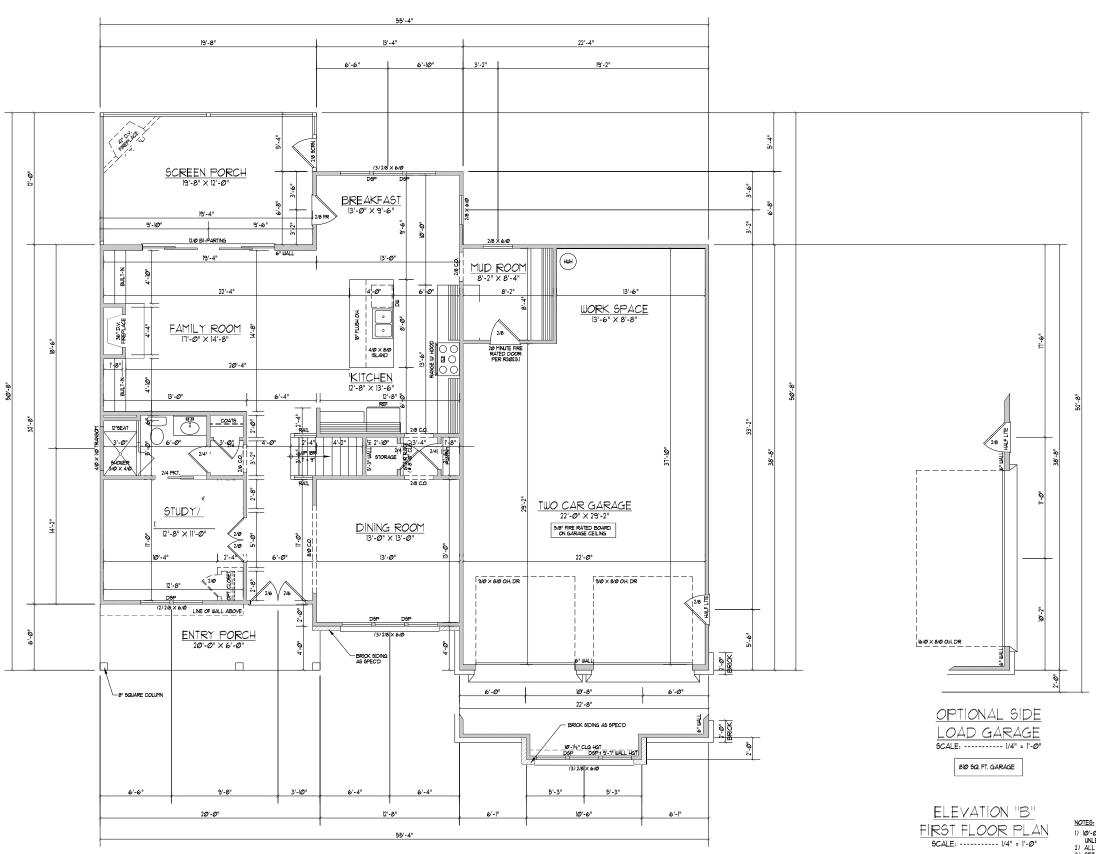
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SUBDIVISION: TBD

COUNTY: TBD

4 1.24 DATE MARSH

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NOTES:

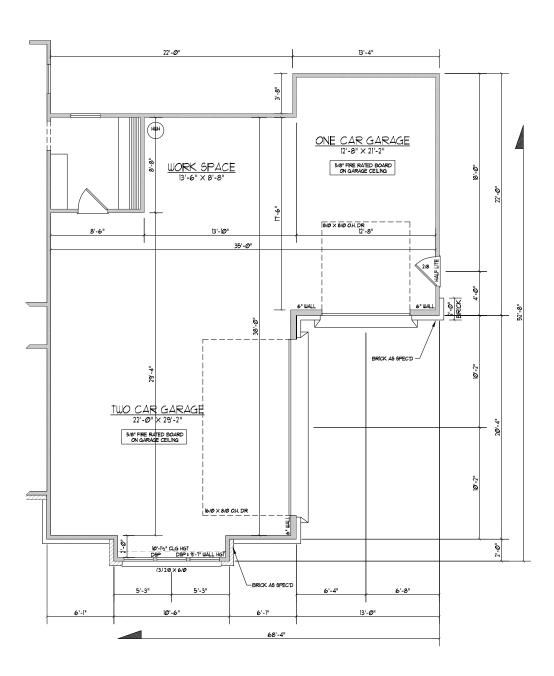
1273 HEATED 9Q. FT. 189 9Q. FT. GARAGE 118 9Q. FT. ENTRY PORCH 234 9Q. FT. SCREEN PORCH

- NO.155:

 1) 10'-0" CLG, HGT. (10' 1 12" 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 FRAMING
 UNLESS OTHERWISE NOTED.
 5) CONSULT WINDOW NANIFACTURER'S
 SESSEC, ENDE SCHEES BED INDEMENTA SPECS, FOR EGRESS REQUIREMENTS, PRESSURE RATINGS, 4 ROUGH OPNG'S.

 6) ELECTRICAL LAYOUT BY BUILDER





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

1016 SQ. FT. GARAGE

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

> 4 , 1.24 DATE

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ELEVATION "B"

NOTES:

- NOTES:

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

 2) ALL WALLS DRAWN AT 4" WIDTHS

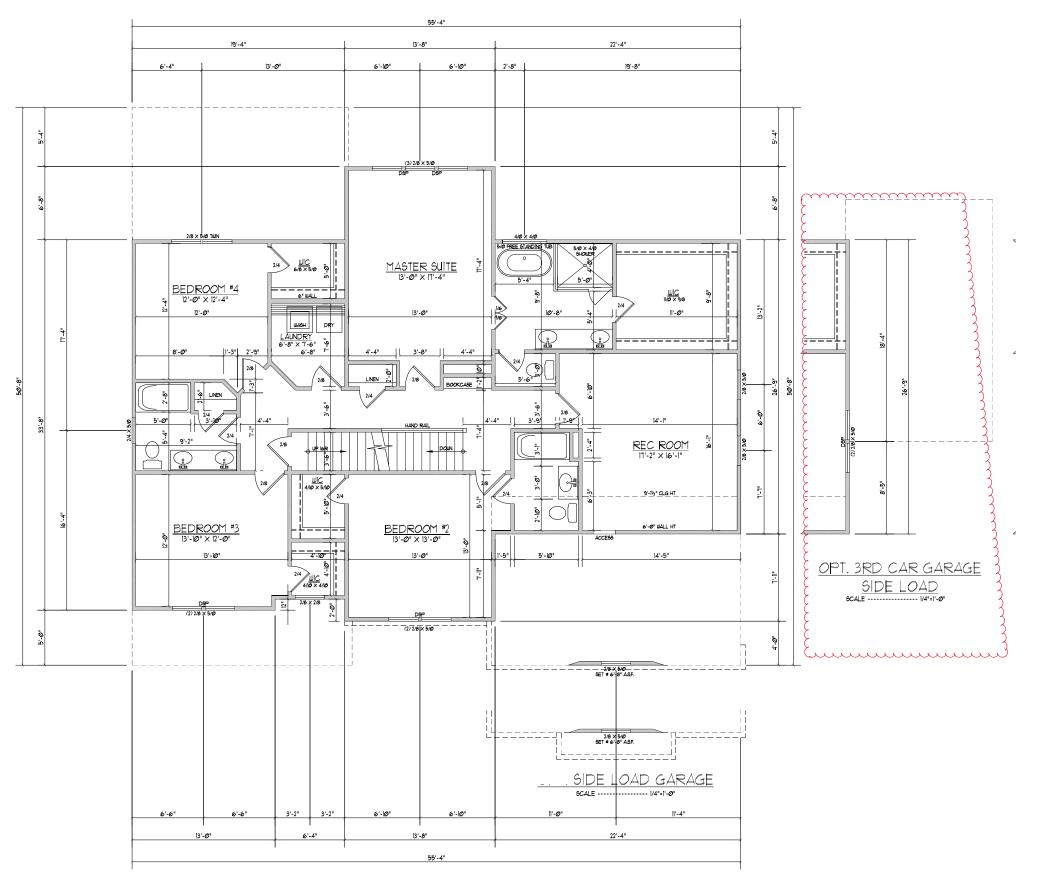
 3) SET WINDOWS AT 8"-0" ASF.
 INLESS OTHERWISE NOTED.

 4) DIMENSIONS ARE TO FRAMING.
 INLESS OTHERWISE NOTED.

 5) CONSULT WINDOW MANUFACTURER'S
 SPECS. FOR EGRESS REQUIREMENTS,
 PRESSURE RATINGS, 4 ROUGH OPNG'S.

 6) ELECTRICAL LAYOUT BY BUILDER





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

COUNTY: TBD

4 , 1.24 DATE 7

MARSH

ELEVATION "B" SECOND FLOOR PLAN

1804 HEATED SQ. FT.

NOTES:

1) 9'-0" CLG, HGT. (9' - 11/2" PLT, HGT.)

INLESS OTHERWISE NOTED.

2) ALL WALLS DRAWN AT 4" WIDTHS

WILESS OTHERWISE NOTED.

3) SET WINDOWS AT 1'-4" A.S.F.

WILESS OTHERWISE NOTED.

4) DIMENSIONS ARE TO FRAMING

WILESS OTHERWISE NOTED.

5) CONSULT WINDOW HANFACTURER'S

SPECS. FOR EGRESS REQUIREMENTS,

PRESSURE RATINGS, I ROUGH OPPAG'S.

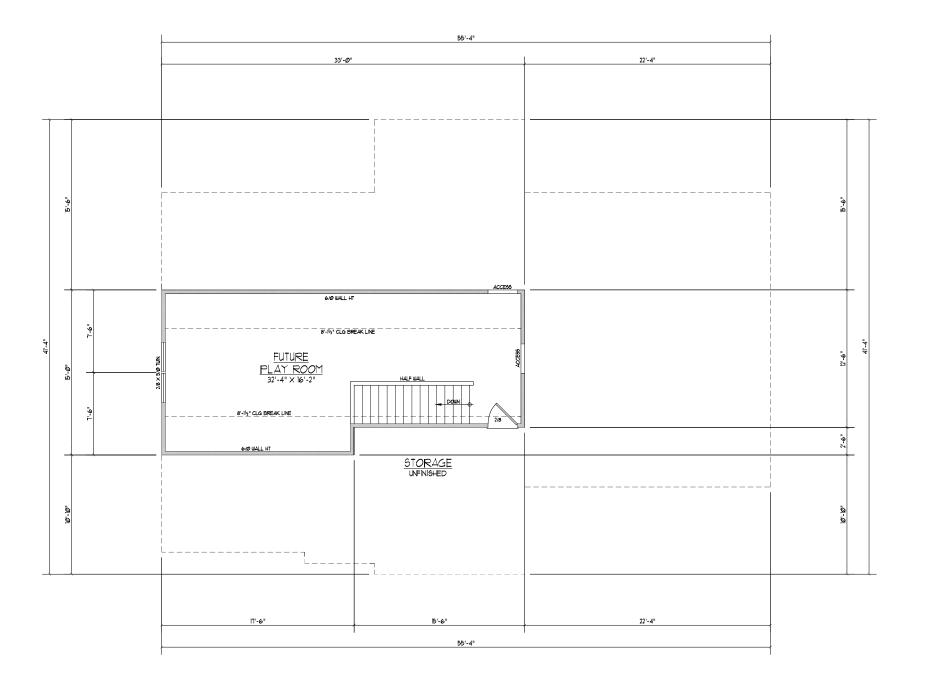
6) ELECTRICAL LAYOUT BY BUILDER

NOTES:

C2-3069-56G

SHEET





ATTIC FLOOR PLAN %CALE ----- 1/4"=1'-Ø"

456 SQ. FT. STORAGE

- NOTES:

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

 1) ALL WALLS FISURED AT 4" WIDTHS

 1) ALL WALLS FISURED AT 4" WIDTHS

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

 1) NLESS OTHERWISE NOTED.

 4) DIMENSIONS ARE TO FRAMING

 WALESS OTHERWISE NOTED.

 5) CONSULT WINDOW MANUFACTURER'S

 SPECS, FOR EGRESS REQUIRENTISTS,

 PRESSURE RATINGS, 14 ROUGH OPMS'S.

 6) ELECTRICAL LAYOUT BY BUILDER



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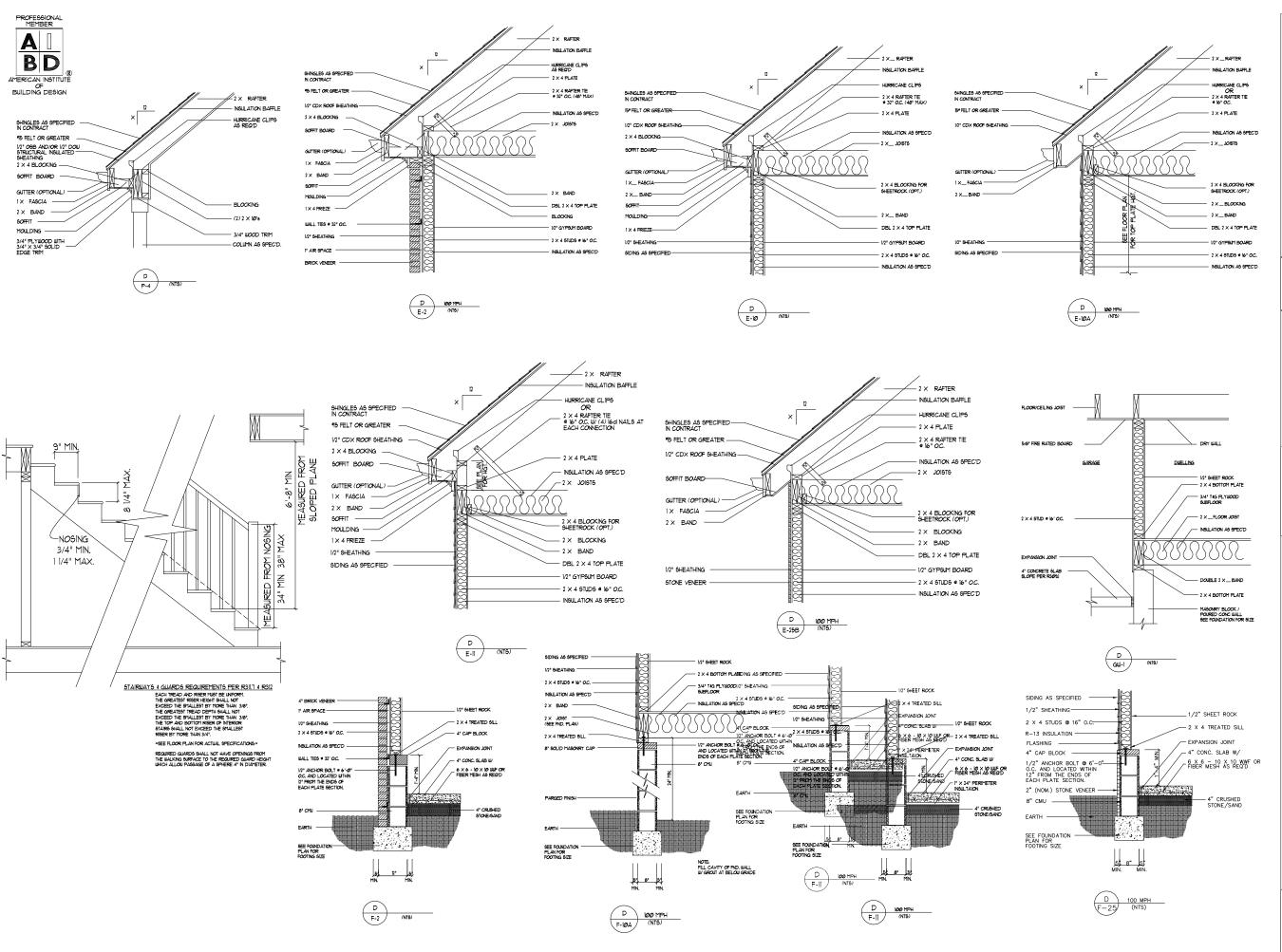
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COUNTY: TBD

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PLAN LD.

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LOT: MULTI

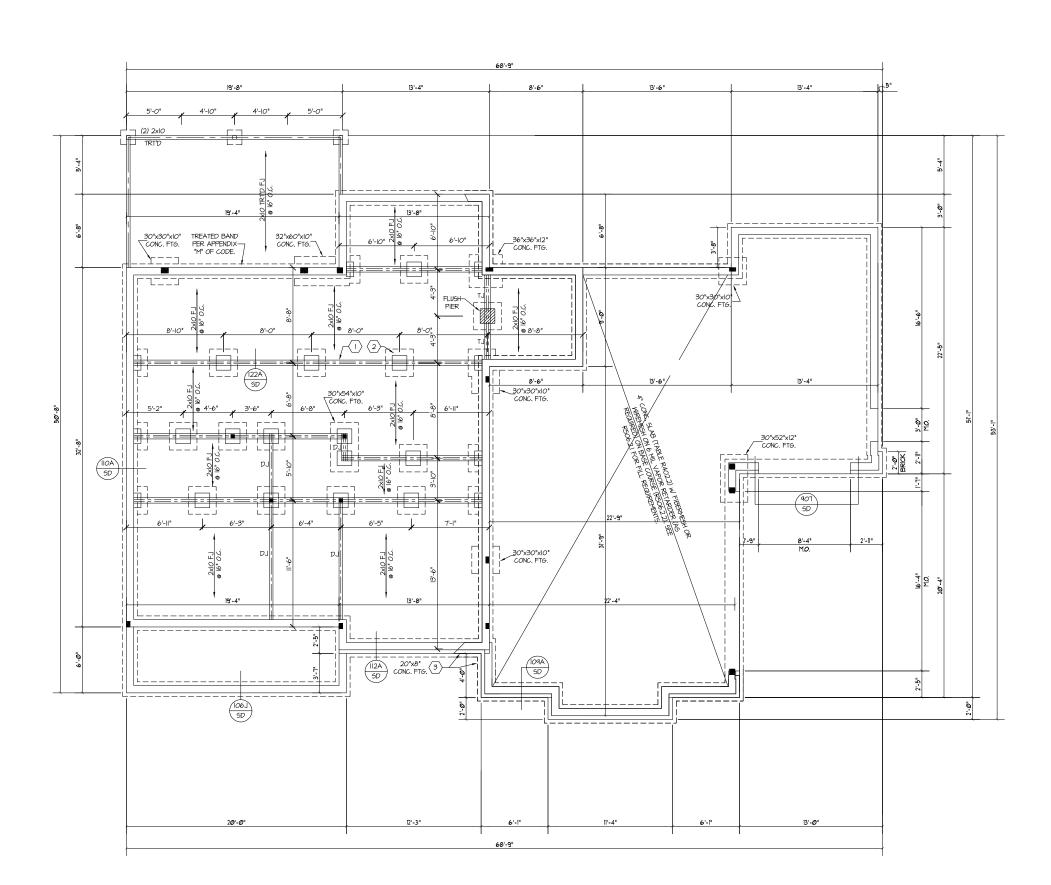
SUBDIVISION: TBD
COUNTY: TBD

SHALL
AN NAME
GR 1.11.24
DATE

PLAN I.D

D-1







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

(1.) (3)2xIO SYP#2 OR SPF#2 GIRDER, TYPICAL UNO.

24x24 UP TO 96" WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.

(3)

20" - 3 STORY 16" - 1 STORY BRICK:

FOR FOUNDATION WALL HEIGHT AND BACKFILL
REQUIREMENTS, REFER TO CODE TABLE R404.I.I (I THRU



CONCRETE BLOCK PIER SIZE SHALL BE: 50LID UP TO 5'-0" UP TO 4'-0" HOLLOW UP TO 32" UP TO 48" <u>SIZE</u> 8x16 12x16 UP TO 12'-0" 16x16 UP TO 64"

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

16" - UP TO 2 STORY 20" - 2 STORY 24" - 3 STORY

4) NOTE: ASSUMED 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

(5.) (2) I.75x9.25 LVL OR LSL GIRDER

(3) 1.75x9.25 LVL OR LSL GIRDER

"" 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.

DYNAMIC DESIGN GROUP

PROJECT# 22-1915 (308SER)

precautions.

on plans are to be brought to the n Engineers. Failure to do so will

P.A. 27609

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Way

Marshall Serenity - 183 Inspir ICG HOMES Lot 308,

S-1



FRAMING NOTES

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

- 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 SECTION REQ2.10 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 MOOD STRUCTURAL PANEL SHEATHING (MSP)
 (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 PER SECTION R602.10.4.5 AND ATTACH BRACED WALLS PER CODE, MOP 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 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
- **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 (1) 8d NAILS.
- INTERIOR BRACED WALL: (NOTED AS "<u>IBW</u>" ON PLANS) ATTACH I/2" GYPSUM BOARD (6B) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1" O.C. ALONG THE EDGES AND AT INTERMEDIATE
- INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS " $\underline{\mathsf{BM-WSP}}$ " ON PLANS). ATTACH ONE SIDE WITH %" WSP SHEATHING WITH &A NAILS AT A 61/12" 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" GB MITH A MIN. OF 5d COOLER NAILS OR #6 SCREINS @ 1" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

HEADER/BEAM & COLUMN NOTES

- ALL EXTERIOR AND LOAD BEARING HEADERS OTHERWISE.
- UP TO 3' SPAN: (1) 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

WOOD "I" JOISTS
(SHALL BE ONE OF THE FOLLOWING):

TII 210 BY I-LEVEL

LPI 20 PLUS BY LP

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

- 1 (2) PLY LT5" LVL BEAMS
- (3) ROMS OF IOD NAILS @ 12" O.C. OR (2) ROMS OF SIMPSON SDW22338 (OR
- (3) ROWS OF IOD NAILS @ 8" O.C. ON
- EQUAL) SCREWS @ 16" O.C.

- 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 BND OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO ITEM "d" IN TABLE R6023(5) OR AS BELOW PER NCDO! COMMENTARY "KING STUDS AT WALL OPENINGS" REVISED 1-4-2020:

- BCI 5000s L8 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.

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

LVL CONNECTION LEGEND

- EQUAL) SCREWS @ 16" O.C.
- 2. (3) PLY 1.75" LVL BEAMS:
- EACH SIDE OR

 (2) ROWS OF SIMPSON SDW22500 (OR
- 3. (4) PLY 1.75" LVL BEAMS:
 (2) ROWS OF SIMPSON SDW22634 (OR EQUAL) SCREMS @ 16" O.C. FOR BEAMS UP TO 18"

 (3) ROWS OF SIMPSON SDW22634 (OR
- EQUAL SCREMS @ 16" O.C. FOR BEAMS GREATER THAN 18".

ELEVATION "B" FIRST FLOOR CEILING / STRUCTURAL PLAN SCALE: ----- 1/4" = 1'-@"

PROJECT # 22-1915 (308SER)

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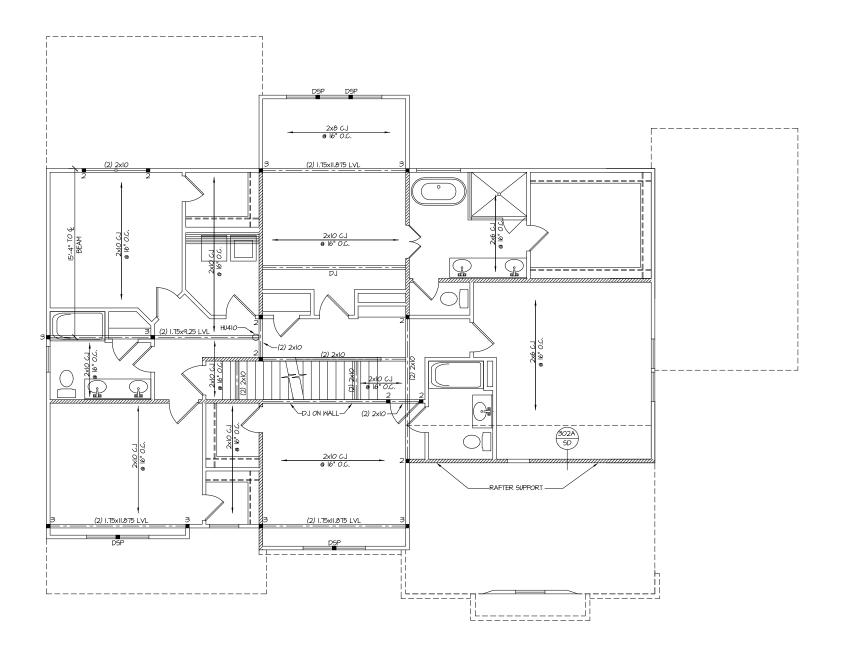
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Marshall

Way

S-2.1b

Lot 308,







- 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 BND OF
 HEADERS IN EXTERIOR WALLS SHALL BE
 ACCORDING TO ITEM 'd' IN TABLE RE0223'S) OR
 AS BELOW PER NCDO! COMMENTARY 'KING STUDS
 AT WALL OPENINGS' REVISED I-4-2020:
 UP TO 3' SPAN. (I) KING STUDS
 OVER 3' UP TO 6' SPAN. (2) KING STUDS
 OVER 6' UP TO 15' SPAN. (4) KING STUDS
 OVER 9' UP TO 12' SPAN. (4) KING STUDS
 OVER 12' UP TO 15' SPAN. (5) KING STUDS

HEADER/BEAM & COLUMN NOTES

ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2xIo (4" WALL) OR (3)2xIo (6" WALL) WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE.

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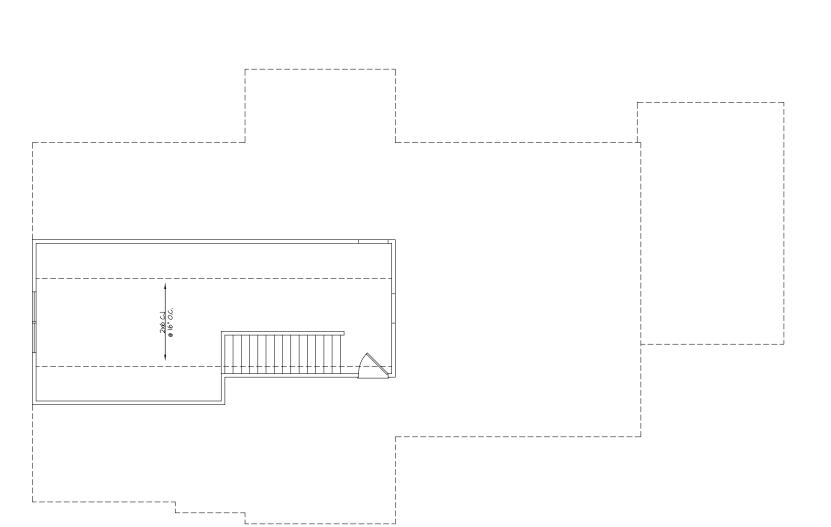
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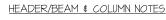
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Marshall Lot 308, Serenity - 183 Inspir

S-3b

ELEVATION "B" SECOND FLOOR CEILING/ STRUCTURAL PLAN SCALE: ----- 1/4" = 1'-@"





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

 2. THE NUMBER SHOWN AT BEAM AND HEADER
 SUPPORTS INDICATES THE NUMBER OF SUPPORT
 STUDS REQUIRED IN STUDP POCKET OR COLUNN, 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 BELION PER NODO! COMMENTARY "KING STUDS
 AT WALL OPENINGS" REVISED 1-4-2020.

 UP TO 3" SPAN. (I) KING STUDD
 OVER 3" UP TO 6" SPAN. (2) KING STUDS
 OVER 6" UP TO 6" SPAN. (3) KING STUDS
 OVER 9" UP TO 12" SPAN. (4) KING STUDS
 OVER 9" UP TO 12" SPAN. (4) KING STUDS
 OVER 12" UP TO 15" SPAN. (5) KING STUDS

ATTIC FLOOR CEILING/ STRUCTURAL PLAN

SCALE: -

ation Way ICG HOMES

Marshall Lot 308, Serenity - 183 Inspir

S-4

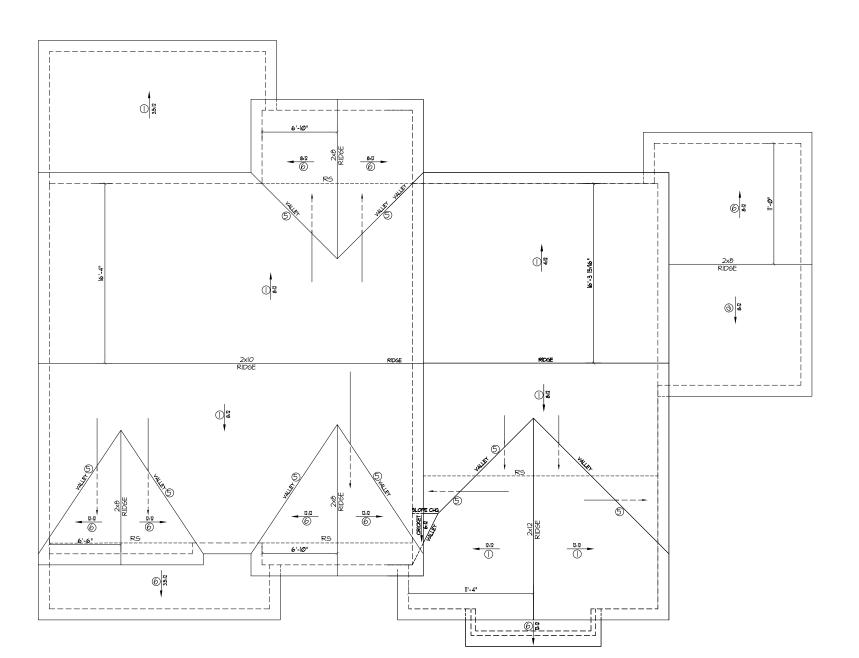
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ROOF FRAMING NOTES: NC (2018 NCRC): Wind: 115-120 mph

- 1. 2x8 RAFTERS @ 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 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 16" O.C. W 2xI2 RIDGE, UNO.
 (2) EXTEND RIDGE 12" BEYOND INTERSECTION

- "SR" = SINGLE RAFTER
 "DR" = DOUBLE RAFTER
 "TR" = TRIPLE RAFTER
 "RS" = ROOF SUPPORT
 "B" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT (USE
 2X6 STUDS OR 6X6 POST FOR SUPPORT OVER IO'-O' IN
- 2AB 91U3 OR 8AB PCSI FOR SUPPORT OVER 10-0 IN HEIGHT) ATTACH VAULTED RAFTERS MITH HURRICANE CLIPS: SIMPSON "H-25A" 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.

ELEVATION "B" ROOF FRAMING PLAN 5CALE: ----- 1/4" = 1'-@"

NOTES:

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

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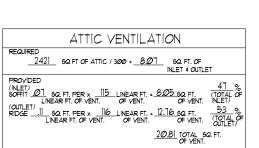
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S-5.1b



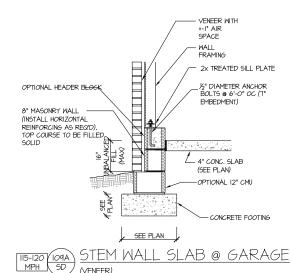
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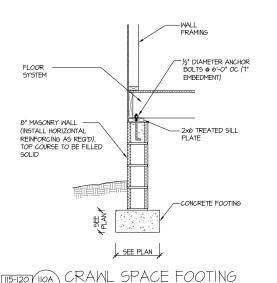
8" MASONRY (UN-REINFORCED) ON "UBF" = UP TO 16" -16" WIDE BY 8" DEEP (MIN) CONC. FTG

REINFORCE WALL W #5 BAR @ 48" O.C. W 7.5" BEND INTO "UBF" = 16" UP TO 24" FTG. 24" WIDE BY 10" DEEP CONC FTG REINFORCED W (3) #4 BAR OR (2) #5 BAR CONTINUOUS WITH #4 TIES @ 48"

REINFORCE WALL W #5 BAR @ 24" O.C. W 7.5" BEND INTO FTG. 24" WIDE BY IO" DEEP CONC FTG REINFORCED W (3) #4 BAR OR (2) #5 BAR CONTINUOUS WITH #4 TIES @ 24" "UBF" = 24" UP TO 48" ---

115-120 106J FILLED PORCH WALL MPH SD (BRICK GLIDT)

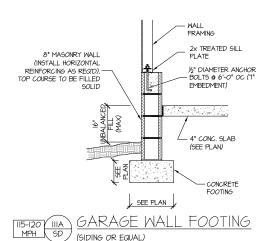


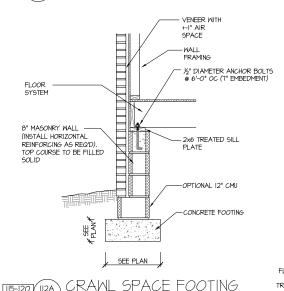


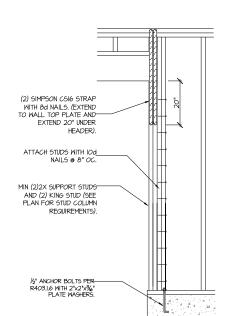
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(SIDING OR EQUAL)

II5-I20 IIOA MPH SD



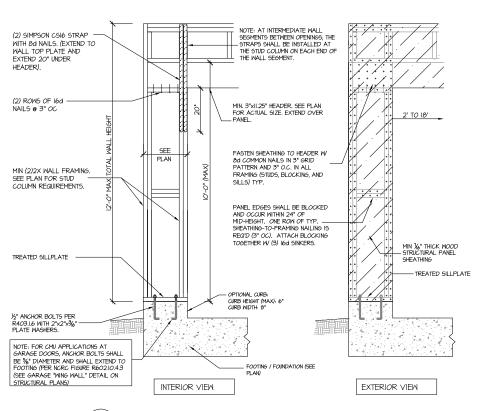




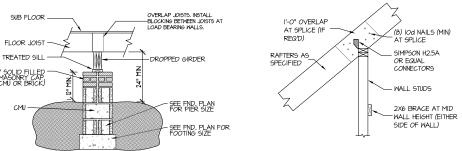
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MPH (



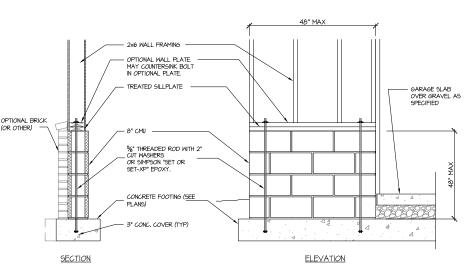


(905B) CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION SD) DETAIL AND APPLICATION BASED ON NORCE FIGURE R602.IO.I - PORTAL FRAME CONSTRUCTION









GARAGE 'WING WALL' REINFORCING PER IRC FIGURE R602.10.4.3



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

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF ENGINEER 9 JEAL AFFELS ONLY TO STRANDAL CONTINUES INCLUDING ROOT RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUNNS, 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 THE 2018 NO RESIDENTIAL CODE, PLUS ALL LOCAL CODES AND RESULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL 5 INDICTIONAL ENGINEER IS NOT RESPONSIBLE FOR, AND VILLE 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 CONTRACTORS 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, IO PSF, L/360)
- ATTIC WITHOUT PERMANENT STAIR: (20 PSF, I/O PSF, L/360) ATTIC WITHOUT STORAGE: (10 PSF, I/O PSF, L/240)
- STAIRS: (40 PSF, IO PSF, L/360)
- EXTERIOR BALCONIES: (60 PSF, 10 PSF, L/360)
 DECKS: (40 PSF, 10 PSF, L/360)
- GUARDRAILS AND HANDRAILS: (200 LBS
- PASSENGER VEHICLE GARAGES: (50 PSF, 10 PSF, L/360) FIRE ESCAPES: (40 PSF, 10 PSF, L/360)
- SNOW: (20 PSF)
- 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 PSI AND A MAXIMUM SLIMP OF 5 INCHES INLESS NOTED OTHERWISE (IND). AIR ENTRAINED PER TABLE 4022. ALL CONCRETE SHALL BE FROPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND FLACED 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 SANGUT TO A DEPTH OF I/D. (I.E. 4" CONCRETE SLABS SHALL HAVE ¼" DEEP CONTROL JOINTS SANGUT IN SLAB ON A +10"-0" SRID).
- 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 ENCONTERED. THE
 SURFACE AREA ADJACENT TO THE FOUNDATION WALL SHALL BE PROVIDED WITH
 ADEQUATE DRAINAGE, AND SHALL BE GRADED SO AS TO DRAIN SURFACE WATER
 AMAZE REQUESTIONS TO WANTED. AWAY FROM FOUNDATION WALLS.
- ALL FRAMING LIMBER SHALL BE SPF #2 (Fb = 8·15 PSI) UNLESS NOTED OTHERWISE (INO). ALL TREATED LUMBER SHALL BE SYP # 2. PLATE MATERIAL MAY BE SPF # 3 OR SYP #3 (Fc(perp) = 425 PSI MIN).
- 4. L.V.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=265 PSI, E=1.9xi0 PSI.
- ٩.١. P.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=2900 PSI, Fv=290 PSI F=2.0vI0 PSI
- 9.2. L-2JOHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=1,55x10 PSI, INSTALL ALL CONNECTIONS PER MANUFACTURERS
- IO. ALL ROOF TRUSS AND I-JOIST LAYOUTS SHALL BE PREPARED IN ACCORDANCE WITH THE SEALED STRUCTURAL DRAININGS. 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 1/2* INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2* DIAMETER x 4* LONG). LATERAL SUPPORT IS CONSIDERED. ADEQUATE PROVIDING THE JOIST ARE TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED OR BOLTED TO THE BEAM FLANGE @ 48" O.C. ALL STEEL TUBING
- REBAR SHALL BE DEFORMED STEEL, ASTMOI5, GRADE 60. LAP ALL REBAR SPLICES 30 BAR DIAMETERS.
- 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.
- I4. BRICK LINTELS (WHEN REQUIRED) SHALL BE 3 I/2'x3 I/2'x1/4" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6'x4"x5/I6" STEEL ANGLE WITH 6" LEG VERTICAL FOR SPANS UP TO 4"-0". SEE PLANS FOR SPANS OVER 4"-0". SEE ALSO SECTION RT03.8.3 LINTELS.



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