

FOUNDATION PARGING AS SPEC'D







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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: ICG HOMES
LOCATION:
LOT:
SUBDIVISION:
COUNTY:

ESTON VAME 1.9.24

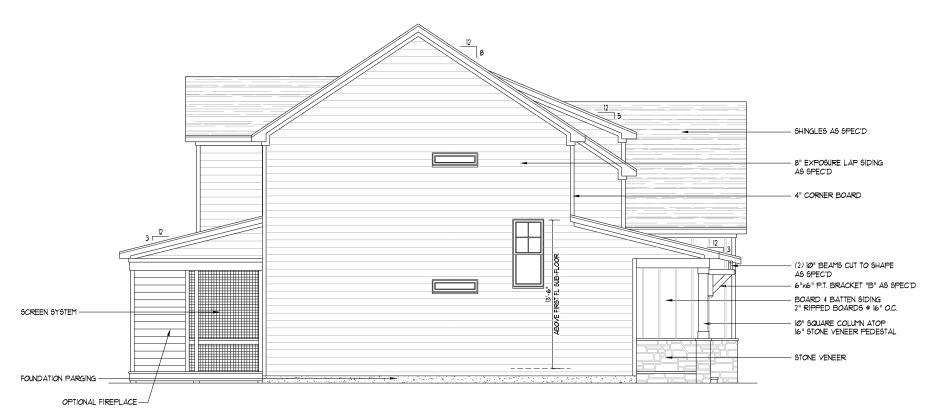
C2-3063-48GR

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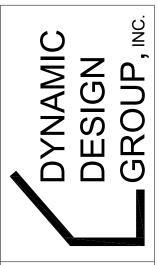








LEFT SIDE ELEVATION



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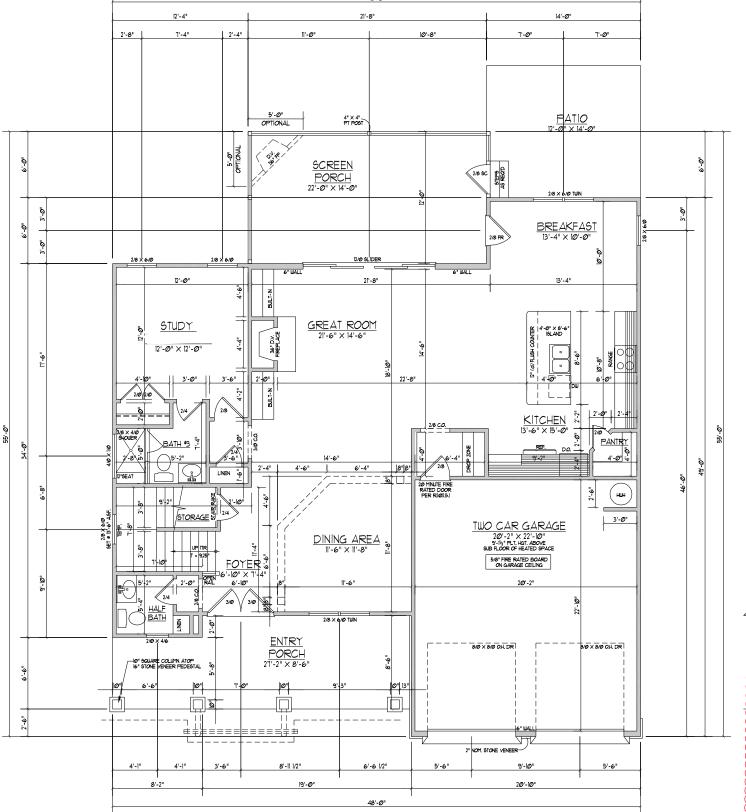
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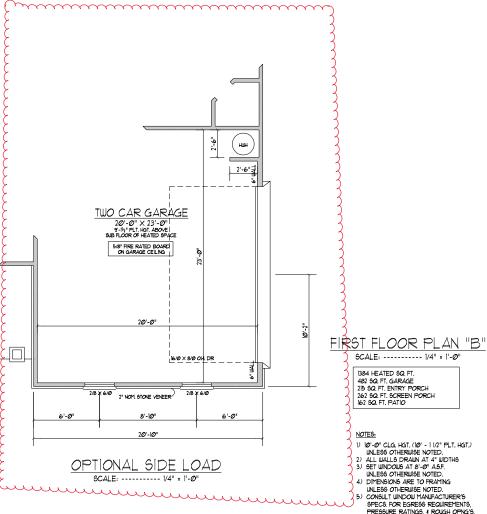
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LOCATION:
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COUNTY:

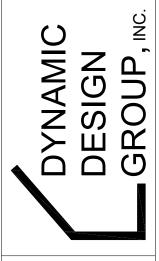
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SHEET









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LOCATION:
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.9.24 DATE

PLAN NAME

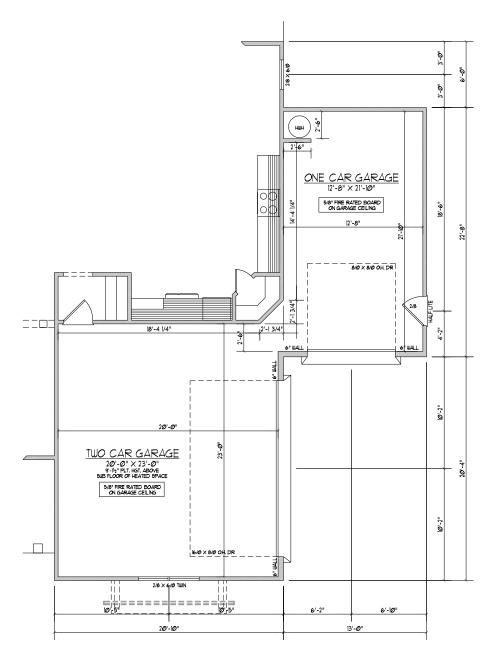
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SHEET

6) ELECTRICAL LAYOUT BY BUILDER





OPT. 3rd CAR SIDE LOAD GARAGE SCALE: ----- 1/4" = 1'-Ø" 1381 HEATED SQ. FT. 179 SQ. FT. GARAGE

SHEET

NC.

ď (D)

ESIGN

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PROJECT FOR: ICG HOMES

.9.24 DATE

LOCATION:____ LOT:____ SUBDIVISION:____ COUNTY:_---

NOTES:

- NOTES:

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

 UNLESS OTHERUISE NOTED.

 2) ALL WALLS DRAWN AT 4" WIDTHS

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

 UNLESS OTHERWISE NOTED.

 4) DIMENSIONS ARE TO FRANTING

 UNLESS OTHERWISE NOTED.

 5) CONSULT WINDOW NAWLFACTURER'S

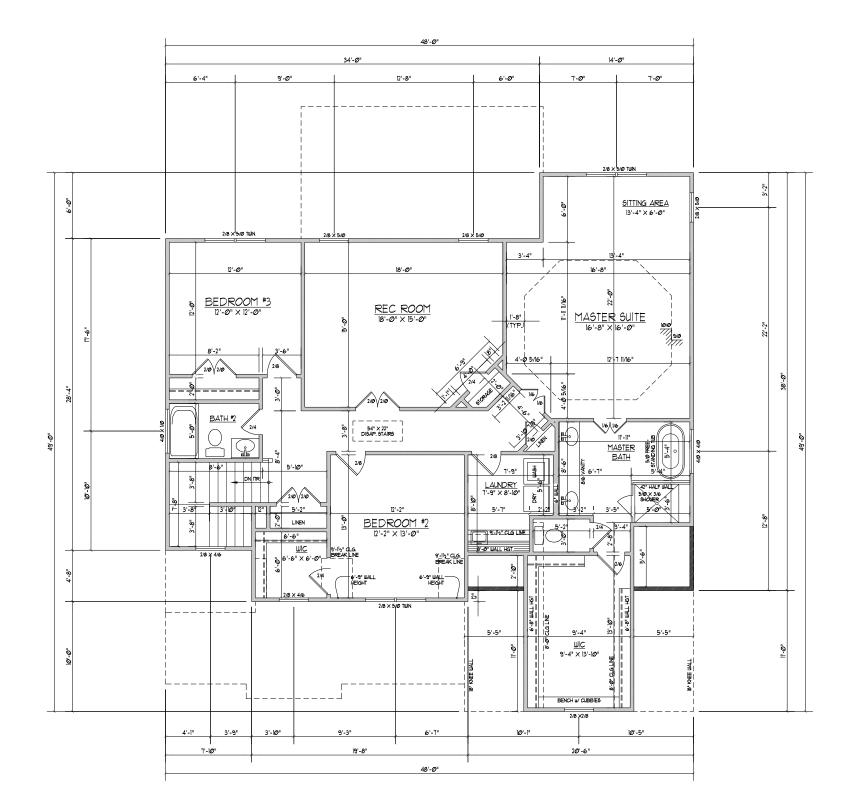
 SPECS, FOR EGRESS REQUIREMENTS,

 PRESSURE RATINGS, 4 ROUGH OPNG'S.

 6) ELECTRICAL LAYOUT BY BUILDER

C2-3063-48GR







1613 HEATED 5Q. FT.

NOTES:

NOTES:

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

1) NLESS OTHERWISE NOTED.

2) ALL WALLS DRAWN AT 4" WIDTHS

WLESS OTHERWISE NOTED.

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

WLESS OTHERWISE NOTED.

4) DIMENSIONS ARE TO FRAMING

WLESS OTHERWISE NOTED.

5) CONSULT WINDOW MANIFACTURER'S

SPECS. FOR EGRESS REQUIREMENTS,

PRESSURE RATINGS, 4 ROUGH OPPAS'S.

6) ELECTRICAL LAYOUT BY BUILDER SHEET

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ESIGN

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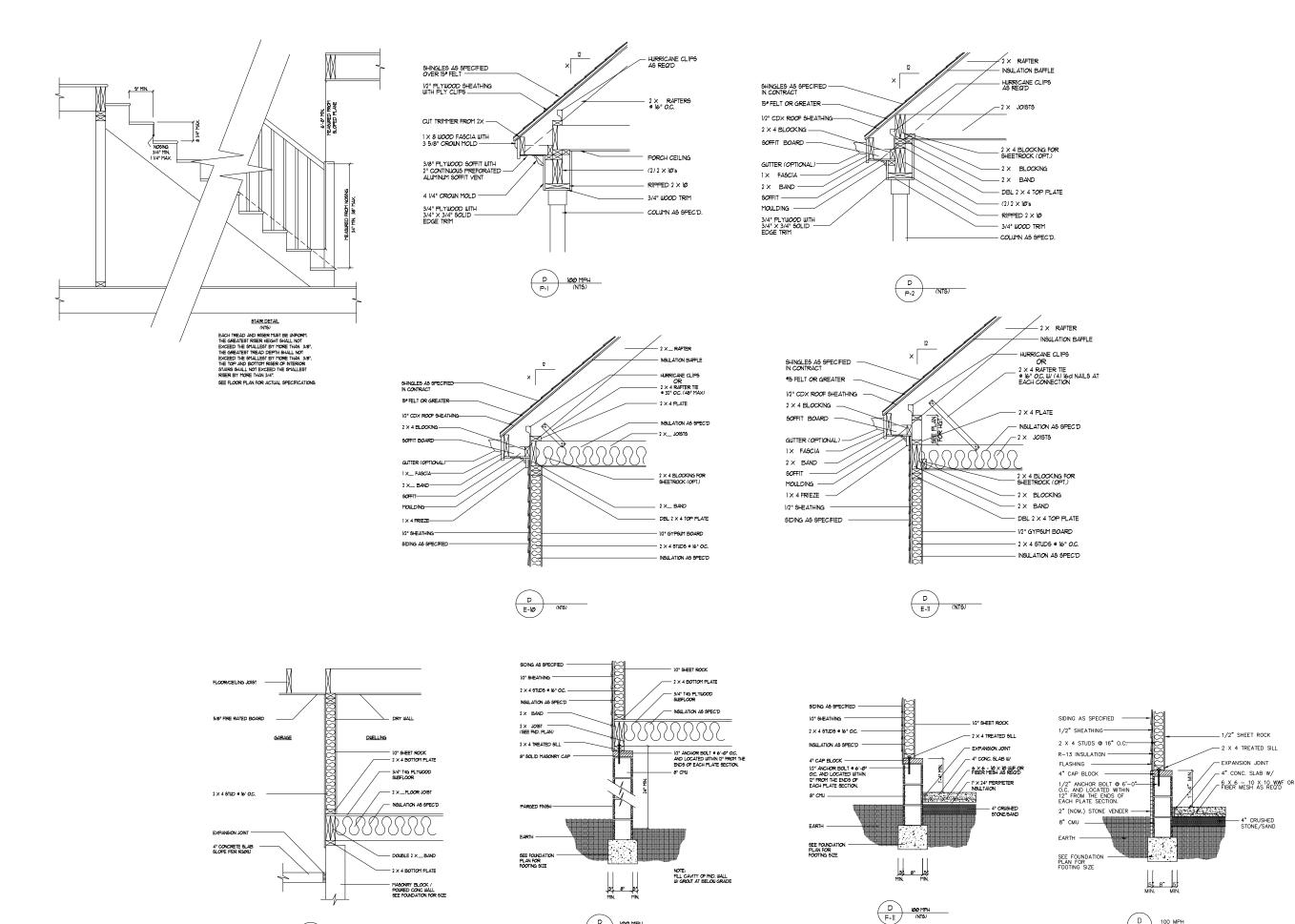
PROJECT FOR: ICG HOMES
LOCATION:
LOT:
SUBDIVISION:
COUNTY:

9.24 DATE

PLAN NAME

C2-3063-48

<u>D</u>





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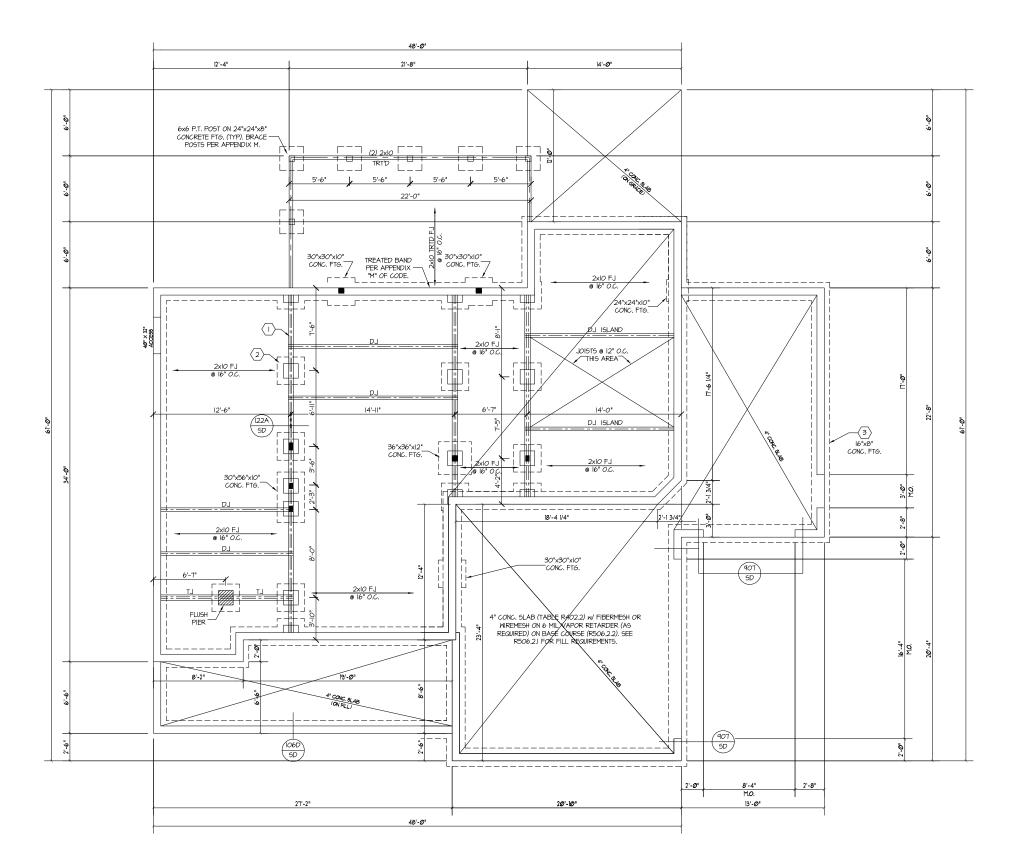
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DATE

CHAKLES PLAN NAME 2-3063-48GR

D-1
SHEET

O



PROJECT# 22-1025 (310SER)

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

WALL VENTED CRAWL SPACE 1384 8Q. FT. / 15Ø = 923 8Q. FT. OF VENTILATION

CLOSED CRAWL SPACE VENTILATION METHODS (SEE REFERENCED SECTIONS IN CODE BOOK FOR DETAILED INSTRUCTIONS

(R4095.1) DEHUMDIFIER A FERMANENTLY INSTALLED DEHUMDIFIER SHALL BE PROVIDED IN THE CRAUL SPACE WITH THE MINIMUM RATED CAPACITY OF IS PINTS FER DAY (R4Ø952) SUPPLY AIR 1384 SQ. FT. / 3Ø =

(R409.5.4) EXHAUST FAN 1384 SQ. FT. / 50 =

(R40955) CONDITIONED SPACE THE CRAIL SPACE SHALL BE DESIGNED AS A HEATED AND COOLED, CONDITIONED SPACE WITH WALL INSULATION INSTALLED AS PER THE REQUIRETERS OF SECTION R40981

NOTE: DETAILS WITH A 'D' REFERENCE (EX. 'D-FIO") ARE FOR ARCHITECTURAL REPRESENTATIONS ONLY. REFER TO "SD" SHEET(S) FOR STRUCTURAL DETAILS.

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

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

CONCRETE BLOCK PIER SIZE SHALL BE

SOLID UP TO 5'-O" UP TO 4'-O" UP TO 12'-O" 5IZE 8x16 12x16 16x16 24x24 HOLLOW UP TO 32" UP TO 48" UP TO 64" UP TO 96"

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

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

16" - UP TO 2 STORY 20" - 3 STORY 16" - 1 STORY 20" - 2 STORY 24" - 3 STORY BRICK:

FOR FOUNDATION WALL HEIGHT AND BACKFILL FOR FOUNDATION WALL HEIGHT AND BACKFILL REGUIRE/PINTS, REFER TO CODE TABLE RACH, I/ I THRU 4) NOTE: ASSUMED SOIL BEARING CAPACITY = 2000 PSF. CONTRACTOR MUST VERIETY SITE CONDITIONS AND CONTACT SOILS FINGMER IF MARGINAL OR INSTABLE SOILS ARE ENCOUNTERED.

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

(5.) (2) 1.75x9.25 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" = DOVBLE JOIST
"TJ" = TRIPLE JOIST

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

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

ICG HOMES

Serenity - 147 Inspiration Way Charleston

310,

S-1

ELEVATION "A/B"



HEADER/BEAM & COLUMN NOTES

- I. ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2xIO (4" WALL) OR (3)2xIO (6" WALL) WITH (I) SUPPORT STUD, UNLESS NOTED OTHERWISE.
- 2. THE NUMBER SHOWN AT BEAM AND HEADER
 SUPPORTS INDICATES THE NUMBER OF SUPPORT
 STUDS REQUIRED IN STUD FOCKET OR COLUMN. THE
 NUMBER OF KING STUDS AT EACH END OF
 HEADERS IN EXTERIOR WALLS SHALL BE
 ACCORDING TO ITEM "d" IN TABLE RE023(5) OR
 AS BELOW PER NCDO! 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 4" UP TO 0" SPAN. (2) KING STUDS

 - OVER 6' UP TO 4' 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

- I. (2) PLY 1.75" BEAMS:
- (3) IOd NAILS @ 12" OC OR
 (2) SDW22338 (OR EQUAL) @ 16" OC
- (3) PLY I.75" BEAMS:
 (2) SDW22500 (OR EQUAL) @ 16" OC
- 3. (4) PLY 1.75" BEAMS:(2) SDW22634 (OR EQUAL) @ 16" OC

- | MOOD "|" JOISTS | (9HALL BE ONE OF THE FOLLOWING): TJI 210 BY 1-LEVEL LPI 20 PLUS BY LP BCI 5000€ I.8 BY BC

905B SD C5 PF

WALL ABOVE

14" TJI 210 @ 16" Q

=|=|=======|=|

- 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-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)



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P.A. 27609

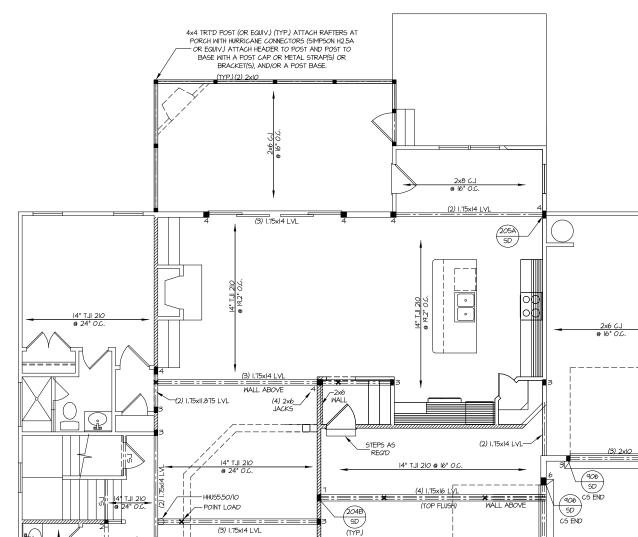
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PROJECT# 22-1025 (310SER)

Serenity - 147 Inspiration Way Charleston ICG HOMES

S-2

310,



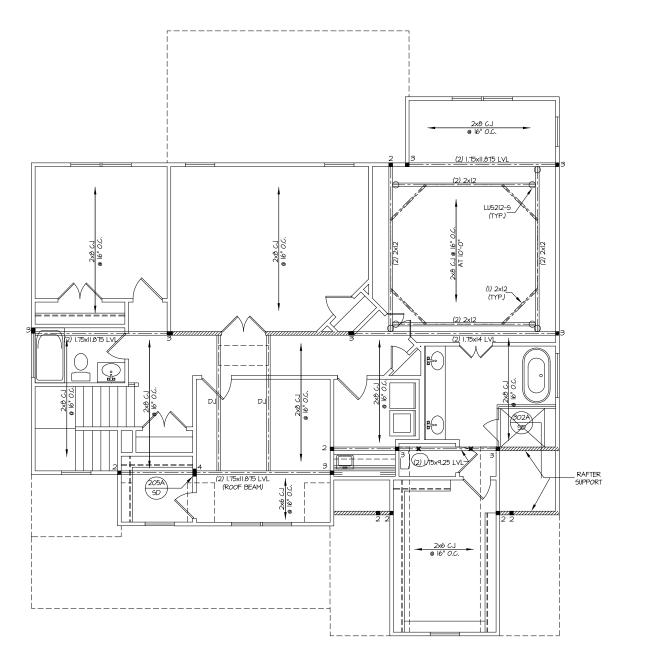
(3) 1.75x14 LVL 14" TJI 210 **②** 24" 0.C.

###=======## 4x4 TRT'D POST (OR EQUIV.) (TYP.) ATTACH RAFTERS AT

PORCH WITH HURRICANE CONNECTORS (SIMPSON H2.5A

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.







HEADER/BEAM & COLUMN NOTES

- ALL EXTERIOR AND LOAD BEARING HEADERS
 SHALL BE MIN. (2)2x/O (4* WALL) OR (3)2x/O (6*
 WALL) WITH (I) SUPPORT STUD, UNLESS NOTED OTHERWISE.
- 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 PER NCDOI COMMENTARY "KING STUDS
 AT WALL OFENINGS" REVISED 1-4-2020:
 UP TO 3" SPAN. (I) KING STUDD
 OVER 3" UP TO 6" SPAN. (2) KING STUDS
 OVER 6" UP TO 4" SPAN. (3) KING STUDS
 OVER 9" UP TO 12" SPAN. (4) KING STUDS
 OVER 12" UP TO 15" SPAN. (5) KING STUDS

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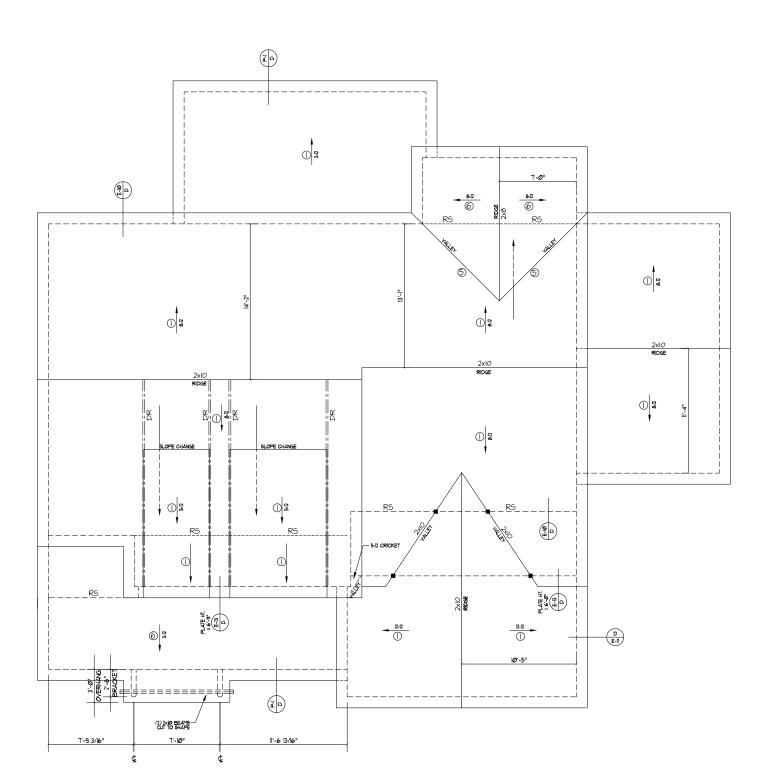
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S-3

ELEVATION "B" SECOND FLOOR CEILING/ STRUCTURAL PLAN





ROOF FRAMING NOTES:

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

(1) 2x8 RAFTERS @ 16" O.C. WITH 2x10 RIDGE, UNO.
(2) 2x10 OR 1.75x11.675 LVL HIP. (2) 2x10 HIPS. M. SPI ICED WITH A MIN 6"-0" OVER AP AT CENTER (2) 2×10 OR 1.75×11.675 LVL HIP. (2) 2×10 HIPS MAY BE SPLICED WITH A MIN. 6'-0" OVERLAP AT CENTER

(2) 2x10 OR 1.75x4.25 LVL VALLEY. DO NOT SPLICE VALLEYS

VALLEYS

4) 1.75x11.875 LVL OR (2)1.75x4.25 LVL VALLEY

5) FALSE FRAME VALLEY ON 2xIO FLAT PLATE

6) 2x6 RAFTERS • 16" O.C. W 2x8 RIDGE, UNO.

7) 2xIO RAFTERS • 16" O.C. W 2xI2 RIDGE, UNO.

8) EXTEND RIDGE 12" BEYOND INTERSECTION

EXTEND RIDGE 12" BEYOND INTERSECTION

"SR" = SINGLE RAFTER
"IR" = TRIPLE RAFTER
"IR" = TRIPLE RAFTER
"IR" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT (USE
2X6 STUDS OR 6x6 POST FOR SUPPORT OVER (O'-O'' IN
HEIGHT)
ATTACH VAILTED RAFTERS WITH HURRICANE CLIPSSIMPSON "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.

NOTE; DETAILS WITH A 'D' REFERENCE (EX.
"D-FIO") ARE FOR ARCHITECTURAL
REPRESENTATIONS ONLY, REFER TO "SD"
SHEET(S) FOR STRUCTURAL DETAILS.

ATTIC VENTILATION REQUIRED 21.52 TOTAL SQ. FT. OF VENT.

ELEVATION "B" OPT. 3rd CAR SIDE LOAD GARAGE ROOF FRAMING PLAN SCALE: ----- 1/4" = 1'-0"

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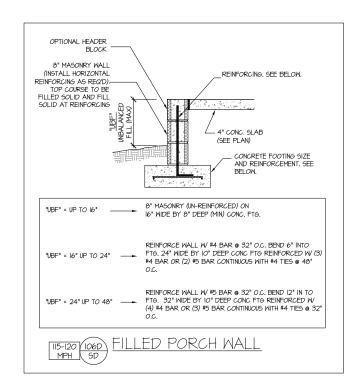
y precautions.
so on plans are to be brought to the ern Engineers. Failure to do so will

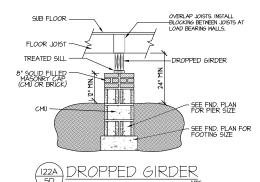
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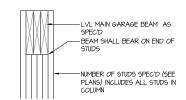
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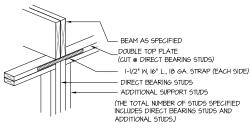
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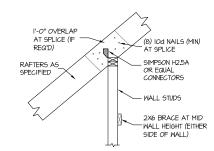














FRAMING NOTES NC (2018 NCRC): Wind: 115-120 mph

- BRACING METHOD AND TYPE: CONTINUOUSLY SHEATHED WEP: C5-WSP. NOTE THAT THE WALL BRACING AMOUNT PROVIDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF WALL BRACING REQUIRED BY SECTION R602 to 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. 1/16". 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
- WEP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING
 PLATE, BLOCK AT ROOF PER SECTION R602.1045 AND ATTACH BRACED
 WALLS PER CODE, WEP SHEATHING BETWEEN FLOORS SHALL BE SPLICED ALONG CONTINUOUS BAND OR THE MOP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMM 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 LOOKS: 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 T' MIN ALONG EACH STUD (OR HEADER)
 AND ATTACH EACH END W (T) 8d NAILS.
- 5. INTERIOR BRACED WALL: (NOTED AS "IBM" 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
- 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH $\frac{1}{N}$ MSP SHEATHING WITH 8d NAILS AT A 6'/2' NAILING PATTERN (6' OC AT PANEL EDGES AND 12' OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES, ATTACH GB OVER MSP AS REQUIRED. ATTACH OPPOSITE SIDE MITH 1/2" GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 7" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

STRUCTURAL NOTES

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

- I. ENGINEER'S SEAL APPLIES ONLY TO STRICTURAL 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
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE 2018 NC RESIDENTIAL CODE, PLUS ALL LOCAL CODES AND REGILATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECADITIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION MORK, NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION REVIEW!

 SERVICES ARE NOT PART OF OUR CONTRACT, ALL MEMBERS SHALL BE FRAMED ANCHORED, TIED AND BENCHES ARE CONSIDERED MEET BY CONSTRUCTION OF WITH THE CONTRACT AND THE PROMED ANCHORED, TIED AND BENCHES ARE CONSIDERED. BRACED IN ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE AND THE BUILDING CODE.
- DESIGN LOADS (LISTED AS: LIVE LOAD, DEAD LOAD, DEFLECTION) ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, 10 PSF, L/360)

- SLEPPING 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: (IO PSF, IO 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)
- PASSSENGER VEHICLE GARAGES: (50 PSF, IO PSF, L/360) FIRE ESCAPES: (40 PSF, IO PSF, L/360) SNOW: (20 PSF)
- WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANELS. SEE FRAMING NOTES FOR THICKNESS AND NAILING REQUIREMENTS.
- 5. SEE APPENDIX M (DCA6) FOR EXTERIOR DECK REQUIREMENTS INCLUDING ATTACHMENTS FOR LATERAL
- 6. CONCRETE SHALL HAVE A MINIMUM 20 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (IND). AIR ENTRAINED PER TABLE 4022. 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 PUMPI. 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 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 STRUCTURAL ENGINEER IF UNSATISFACTORY SUBSURFACE CONDITIONS ARE ENCOUNTERED. THE SURFACE AREA ADJACENT TO THE FOUNDATION WALL SHALL BE PROVIDED WITH ADEQUATE DRAINAGE, AND SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS.
- 8. ALL FRAMING LUMBER SHALL BE SPF #2 (Fb = 875 PSI) UNLESS NOTED OTHERNISE (UNO). ALL TREATED LUMBER SHALL BE SYP # 2. PLATE MATERIAL MAY BE SPF # 3 OR SYP #3 (Fc(perp) = 425 PSI MIN).
- L.V.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=285 PSI, E=I,9xi0 PSI.
 P.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=20400 PSI, Fv=204 PSI, E=2,0xi0 PSI.
 L.S.L. SHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=I,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 MANUFACTURES SPECIFICATIONS. ANY CHANGE IN TRUSS OR I-JOIST LAYOUT SHALL BE COORDINATED
- 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 FLANCE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMFERX 4" LONG). LATERAL SUPPORT IS CONSIDERED ADGUARE 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
- REBAR SHALL BE DEFORMED STEEL, ASTM615, GRADE 60. LAP ALL REBAR SPLICES 30 BAR DIAMETERS.
- 13. 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 4'-O". SEE ALSO SECTION R703.8.3 LINTELS.

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to be

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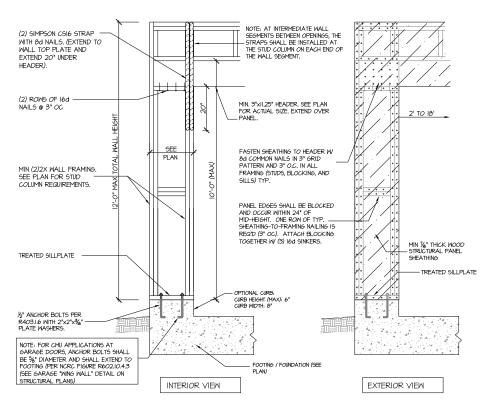


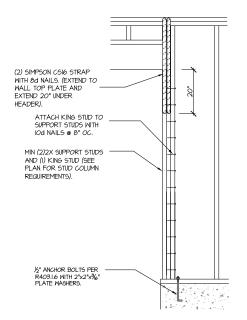
PROVIDE SOLID BLOCKING AT STRAPS. (2) SIMPSON CSI6 STRAP WITH 8d NAILS. (EXTEND TO WALL TOP PLATE AND EXTEND 20" UNDER HEADER). ATTACH KING STUD TO SUPPORT STUDS WITH IOD NAILS @ 8" OC. MIN (2)2X SUPPORT STUDS -AND (I) KING STUD (SEE PLAN FOR STUD COLUMN REQUIREMENTS). 1,000 LB HOLDOWN (SIMPSON HTT4 HOLDOWN W/ 18-10d NAILS OR EQUAL) HOLDOWN ANCHOR CONCRETE: ½"x12 SIMPSON TITEN HD (THD501200H) STRAP OPTION (MONO: SIMPSON STHDI4 STRAP-TIE HOLDOWN. CMU: %" THREADED ROD (EMBEDDED 12") WITH SIMPSON SET EPOXY. (HIGH WIND ZONE: EXTEND ROD TO FOOTING)

END CONDITION DETAIL (FOR USE WITH SINGLE APA PORTAL FRAME CONDITION) DETAIL AND APPLICATION BASED ON APA TT-100F WITH USE OF TABLE I FOR APA PORTAL FRAME WITH HOLD-DOWN CAPACITIES.

2x6 WALL FRAMING OPTIONAL WALL PLATE MAY COUNTERSINK BY IN OPTIONAL PLATE. TREATED SILLPLATE GARAGE SLAB OVER GRAVEL AS SPECIFIED OPTIONAL BRICK (OR OTHER) %" THREADED ROD WITH 2" CUT WASHERS OR SIMPSON "SET OR SET-XP" EPOXY. CONCRETE FOOTING (SEE 3" CONC. COVER (TYP) **ELEVATION** SECTION

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





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

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

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