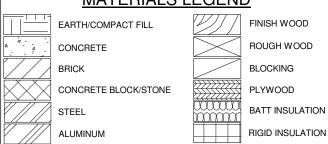
## **Residence for**

### Garman Homes Lot 0207 Serenity Fuquay Varina, North Carolina

#### **INDEX TO DRAWINGS**

COVER SHEET 1 FRONT & LEFT SIDE ELEVATIONS 2 REAR & RIGHT SIDE ELEVATIONS 3 FIRST & SECOND FLOOR PLANS E FIRST & SECOND FLOOR ELECTRICAL PLANS M FIRST & SECOND FLOOR MECHANICAL PLANS P FIRST FLOOR PLUMBING PLAN D CONSTRUCTION DETAILS	S1FOUNDATION PLAN & FIRST FLOOR FRAMING PLANS2SECOND FLOOR FRAMING PLAN & ROOF FRAMING PLANS3OPTIONAL SCREEN PORCH DETAILSSD1STRUCTURAL DETAILSSD2STRUCTURAL DETAILSSD3STRUCTURAL DETAILSSPECSTRUCTURAL NOTES
GENERAL NOTES	<b>RESIDENTIAL BUILDING CODE SUMMARY</b> 1. PLANS ARE DESIGNED TO THE 2018 N.C.S.R.B.C.
<ol> <li>ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE, 2018 EDITION (HEREWITH SHOWN AS N.C.S.R.B.C.).</li> </ol>	<ol> <li>HOUSE IS DESIGNED FOR 115 MPH ULTIMATE DESIGN WIND SPEED (89 MPH NOMINAL DESIGN WIND SPEED), EXPOSURE B.</li> </ol>
<ol> <li>DIMENSIONS SHOWN ON DRAWINGS GOVERN OVER SCALE.</li> <li>STUD WALL DESIGN SHALL CONFORM TO ALL N.C.S.R.B.C.</li> </ol>	<ol> <li>ANCHOR BOLTS SHALL BE MIN. 1/2" DIAMETER AND SHALL EXTEND 7" MIN. INTO MASONRY OR CONCRETE. BOLTS TO BE NO MORE THAN 6' O.C. AND WITHIN 12" FROM THE CORNER.</li> </ol>
REQUIREMENTS	4. MEAN ROOF HEIGHT: 35'-0"
<ol> <li>CONTRACTOR SHALL USE TEMPERED SAFETY GLASS IN ALL LOCATIONS AS REQUIRED BY N.C.S.R.B.C., 2018 EDITION, SECTION R308.4.</li> </ol>	<ol> <li>COMPONENT &amp; CLADDING DESIGNED FOR THE FOLLOWING LOADS: <u>MEAN ROOF HGT:</u> <u>UP TO 30'</u> <u>30'-1" TO 35'</u> <u>35'-1" TO 40'</u> <u>40'-1" TO 45'</u></li> </ol>
<ol> <li>ANY HABITABLE ROOM SHALL MEET ALL LIGHT/VENTILATION AND EGRESS AS REQUIRED BY N.C.S.R.B.C. 2018 EDITION, SECTIONS R-303.1 AND R-310.1.</li> </ol>	ZONE 1         16.5,-18.0         17.3,-18.9         17.3,-18.9         17.3,-18.9           ZONE 2         16.5,-21.0         17.3,-22.1         17.3,-22.1         17.3,-22.1           ZONE 3         16.5,-21.0         17.3,-22.1         17.3,-22.1         17.3,-22.1           ZONE 4         18.0,-19.5         18.9,-20.5         18.9,-20.5         18.9,-20.5
<ol> <li>ALL EXTERIOR WALLS SHOWN ON FLOOR PLANS ARE 2X6 FRAME UNLESS NOTED OTHERWISE. ALL INTERIOR WALLS SHOWN ON FLOOR PLANS ARE 2X4 FRAME UNLESS NOTED OTHERWISE.</li> </ol>	ZONE 5 18.0,-24.1 18.9,-25.3 18.9,-25.3 18.9,-25.3 6. MINIMUM VALUES FOR ENERGY COMPLIANCE: Zone 4
7. ALL ANGLED WALLS SHOWN ON FLOOR PLANS ARE 45 UNLESS NOTED OTHERWISE.	<ol> <li>MAXIMUM GLAZING U-FACTOR: .35</li> <li>INSULATING VALUES: CEILING: R-38 / WALLS: R-15 / FLOOR: R-19 SLABS: R-10. CODE REFERENCE: TABLE N1102.1</li> </ol>
<ol> <li>ALL WINDOWS SHALL HAVE A MINIMUM DPI RATING OF 25. BUILDER SHALL VERIFY WITH WINDOW MANUFACTURER THAT UNITS INSTALLED MEET THESE REQUIREMENTS AS PER N.C.S.R.B.C., 2018 EDITION, TABLE 301.2(4).</li> </ol>	AREA CALCULATIONS
9. ENERGY EFFICIENCY REQUIREMENTS FOR THE SPECIFIC CLIMATE ZONE WHERE STRUCTURE IS BEING BUILT SHALL BE IN ACCORDANCE WITH CHAPTER 11 OF THE N.C.S.R.B.C., 2018 EDITION, AS SHOWN IN SECTION N1101.2.	HEATED (SQ. FT.)         UNHEATED (SQ. FT.)         UNFINISHED (SQ. FT.)           1ST FLOOR:         848         GARAGE:         428         1ST FLOOR:         N/A           2ND FLOOR:         1186         FRONT PORCH:         81         2ND FLOOR:         N/A
MATERIALS LEGEND	PATIO:         100         3RD FLOOR:         N/A           TOTAL:         2034         TOTAL:         609         TOTAL:         N/A



#### ATTIC VENTILATION REQUIREMENTS MECHANICAL ROOF VENTILATION

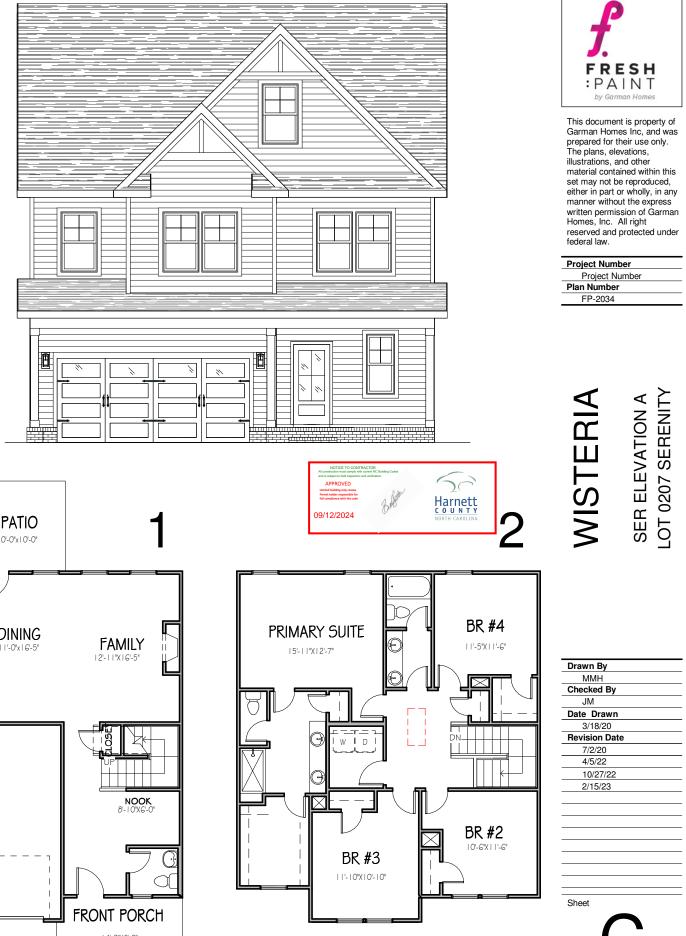
CALCULATIONS	CALCULATIONS
<u>1357 SQ. FT.</u> = 9.05 SQ. FT. 150 VENT REQ'D	1357 SQ. FT.         =         4.53 SQ. FT.           300         VENT REQ'D
BUILDER TO PROVIDE APPROPRIATE VENTILATING AS REQUIRED PER CODE	BUILDER TO PROVIDE APPROPRIATE VENTILATING AS REQUIRED PER CODE

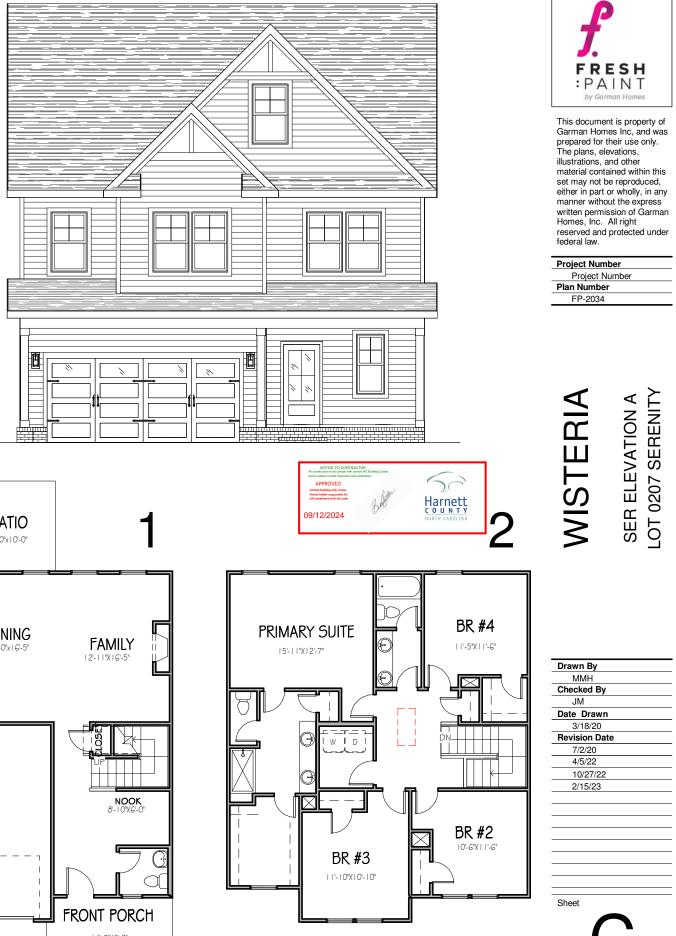
HEATED (SQ. F	-T.)	UNHEATED (S	Q. FT.)	UNFINISHED	(SQ. FT.)
st floor: Nd floor:	848 1186	GARAGE: FRONT PORCH: PATIO:	428 81 100	1ST FLOOR: 2ND FLOOR: 3RD FLOOR:	N/A N/A N/A
OTAL:	2034	TOTAL:	609	TOTAL:	N/A
				OVERALL DIMEN	<u>ISIONS</u>
				WIDTH: DEPTH:	33'-8" 52'-3"

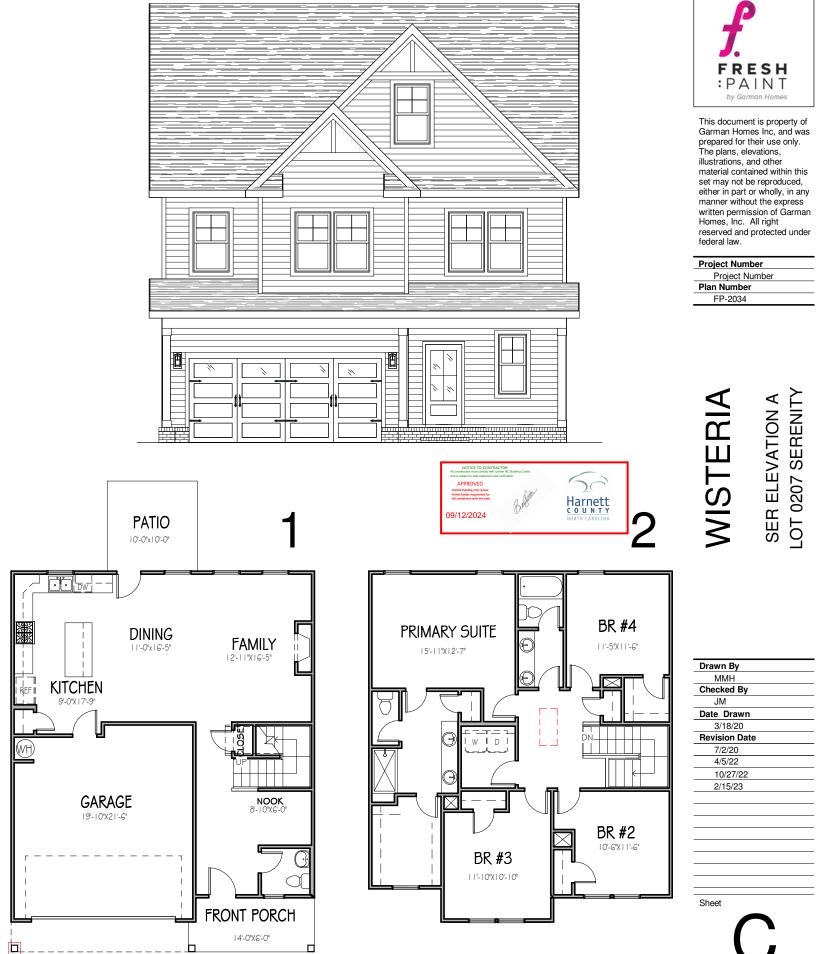
#### FOUNDATION VENTILATION CALCULATIONS

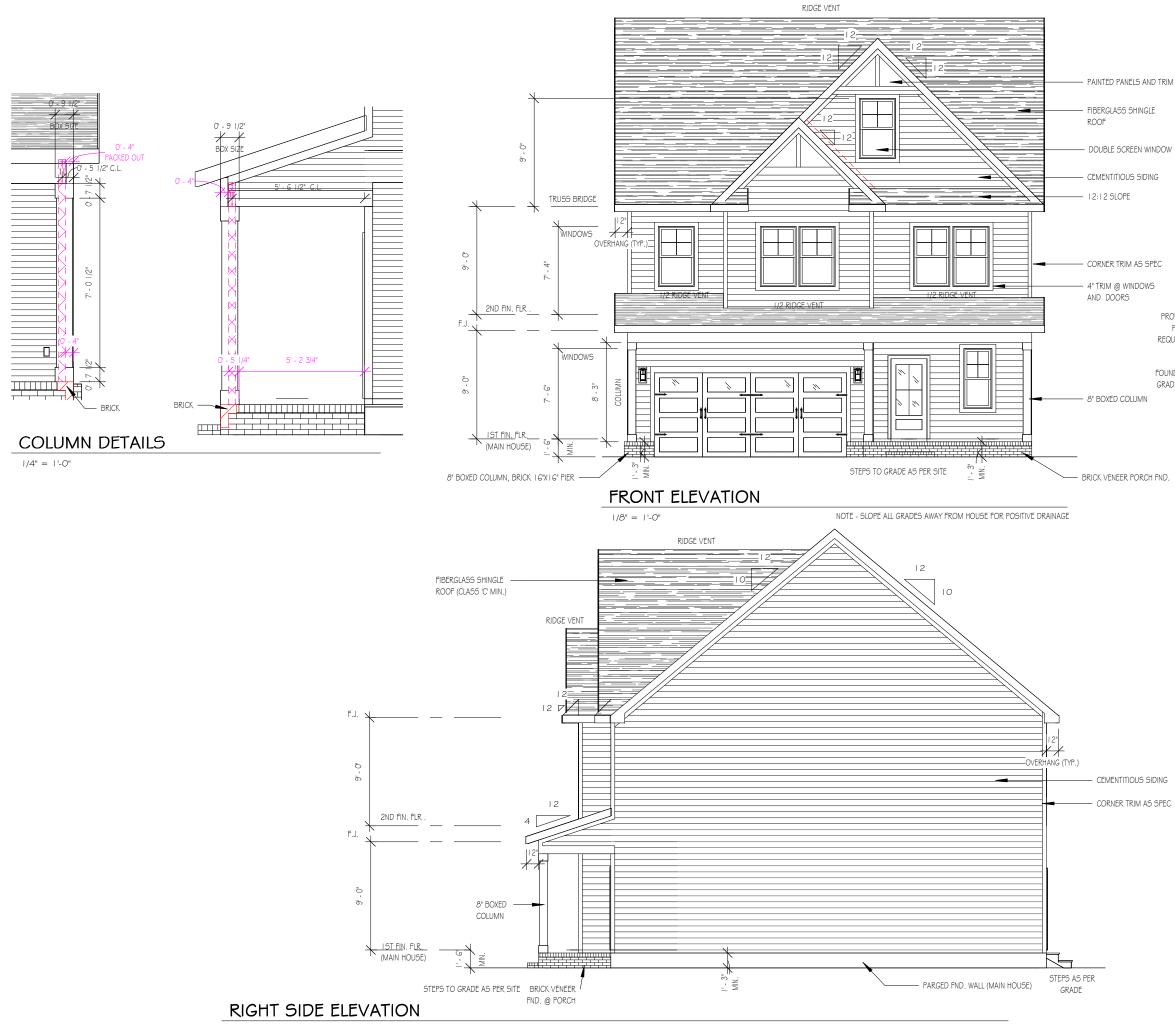
REFERENCE: N.C.S.R.B.C. 2018 EDITION SECTION R408)

NOT APPLICABLE WITH SLAB FOUNDATIONS









1/8" = 1'-0"

NOTE: PROVIDE RAILS @ PORCH ONLY IF REQUIRED BY CODE

15" MIN. HGT. FOUNDATION FRONT GRADE TO FINISHED FRONT PORCH

THE PURPOSE OF THESE DRAWINGS IS TO SHOW THE INTENT OF THE DESIGN AND CONSTRUCTION OF THIS HOME. CONTRACTOR SHOULD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. ONCE A PERMIT HAS BEEN ISSUED, CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY TO THE ACCURACY OF THE PLANS AND ANY CHANGES MADE DURING CONSTRUCTION.

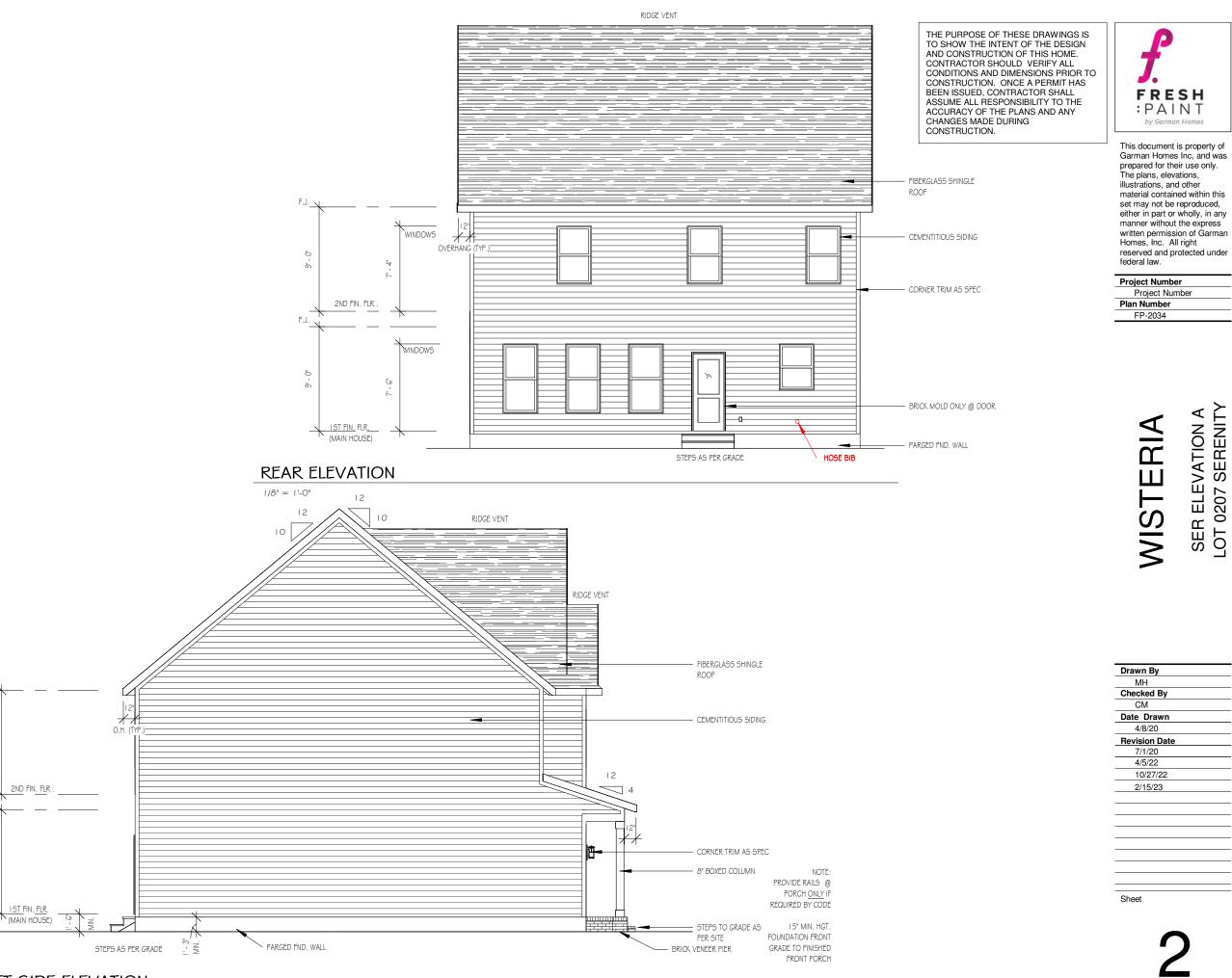


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FP-2034
FP-2034



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LEFT SIDE ELEVATION

F.J.

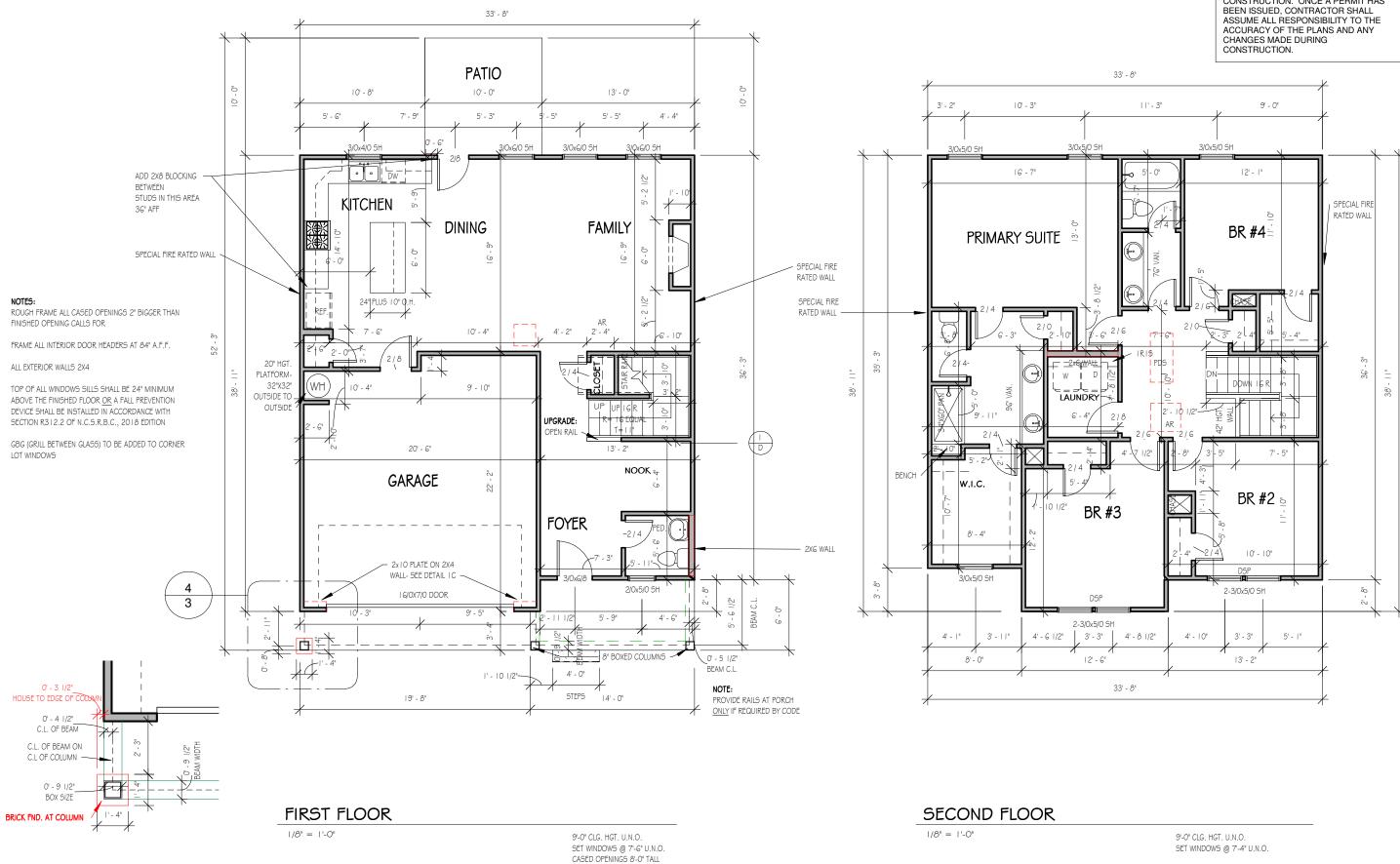
9' - 0"

F.J

9 - 0"

1/8" = 1'-0"

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#### GARAGE COLUMN DETAIL

|/4" = |'-0"

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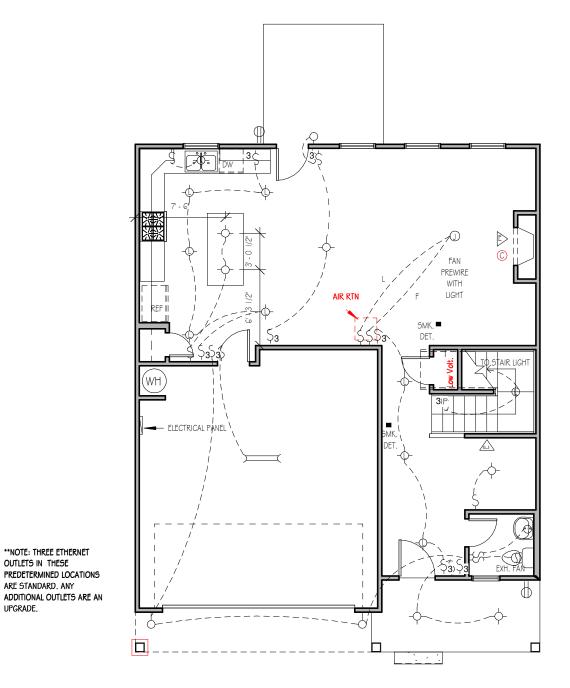


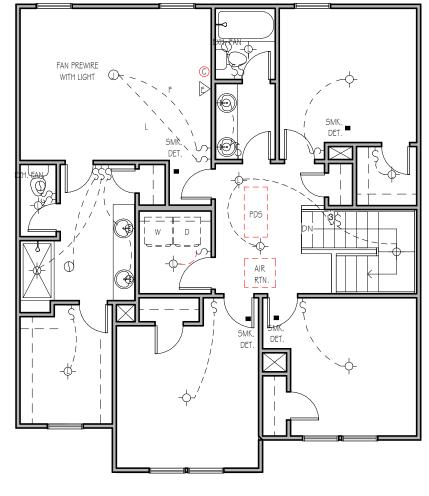
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#### FIRST FLOOR ELECTRICAL PLAN

1/8" = 1'-0"

\*\*NOTE: THREE ETHERNET OUTLETS IN THESE

ARE STANDARD. ANY

UPGRADE.

NOTE - ELECTRICAL RECEPTACLE AND SWITCH QUANTITIES AND LOCATIONS SHOWN ON PLAN ARE FOR ILLUSTRATION PURPOSES ONLY. ACTUAL NUMBER AN D LOCATIONS SHALL BE FIELD DETERMINED AS PER CLIENT AND BUILDER EXCEPT WHERE CODE REQUIREMENTS APPLY.

#### SECOND FLOOR ELECTRICAL PLAN

1/8" = 1'-0"

NOTE - ELECTRICAL RECEPTACLE AND SWITCH QUANTITIES AND LOCATIONS SHOWN ON PLAN ARE FOR ILLUSTRATION PURPOSES ONLY. ACTUAL NUMBER AN D LOCATIONS SHALL BE FIELD DETERMINED AS PER CLIENT AND BUILDER EXCEPT WHERE CODE REQUIREMENTS APPLY.

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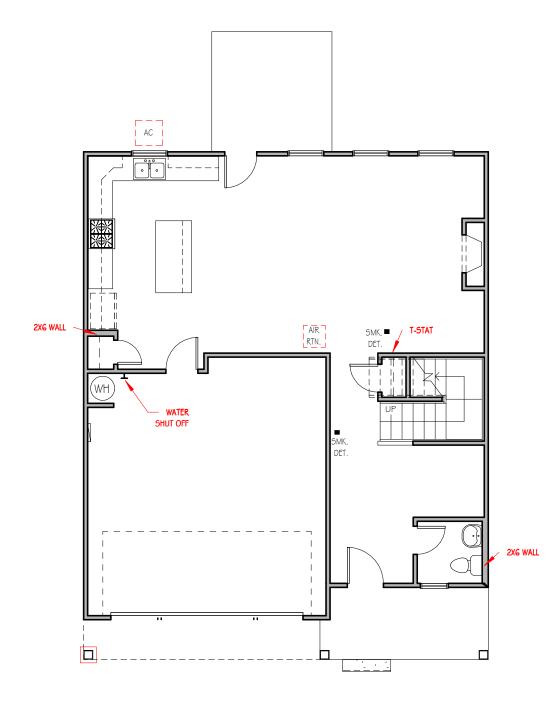
DUPLEX RECEPTACLE		. >-
) GFI	4	A T
GFCI RECEPTACLE		δW
220 VOLT RECEPTACLE	Ш	VATI SER
ELECTRICAL PANEL	Ш	> N N
BINGLE SWITCH		ELE 207
3-WAY SWITCH	S	н () 10 10 10 10 10 10 10 10 10 10 10 10 10
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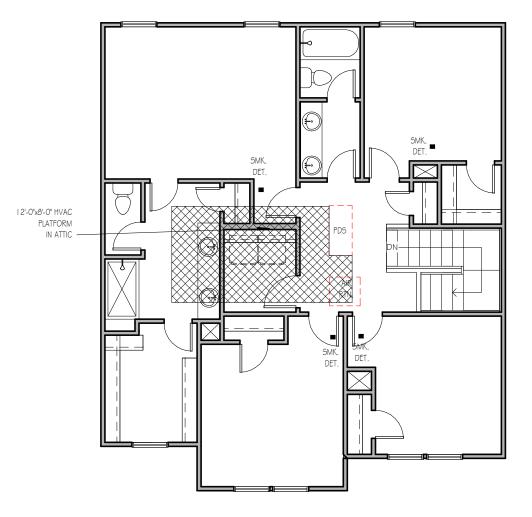


ELECTRICAL LEGEND - FLUSH MOUNT/PENDANT LIGHT -- LED DISK LIGHT - KEYLESS LIGHT RECESSED CAN LIGHT WALL SCONCE ✓ FLOOD LIGHT FLUORESCENT LIGHT  $\square$ CEILING FAN  $^{\prime}$ Ő T THERMOSTAT EXHAUST FAN ETHERNET OUTLET D.B. O DOORBELL C CABLE OUTLET SMOKE DETECTOR • FLOOR RECEPTACLE  $\square$ DUPLEX RECEPTACLE GFCI RECEPTACLE  $\square$ 220 VOLT RECEPTACLE ELECTRICAL PANEL SINGLE SWITCH Sз DC



#### FIRST FLOOR MECHANICAL PLAN

1/8" = 1'-0"



#### SECOND FLOOR MECHANICAL PLAN

1/8" = 1'-0"

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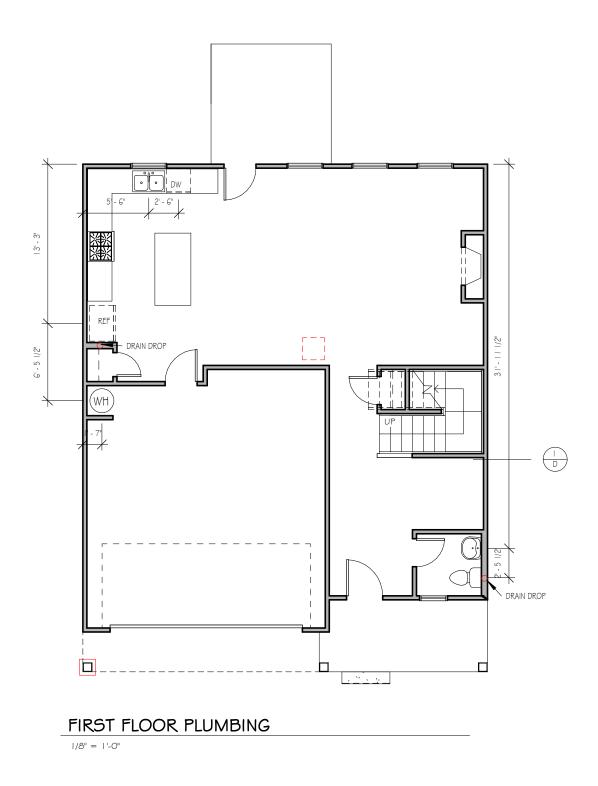
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# M



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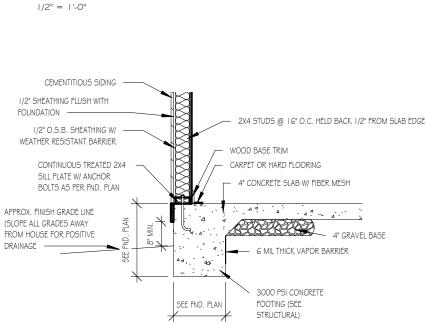
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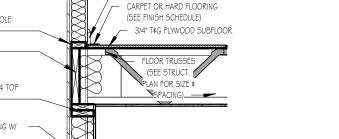
## WISTERIA SER ELEVATION A LOT 0207 SERENITY

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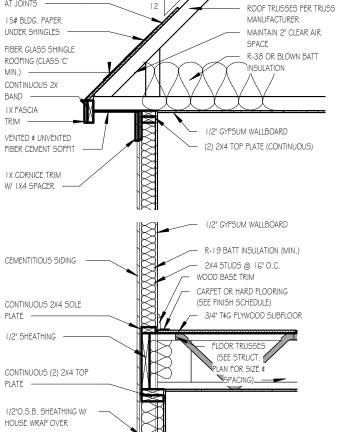
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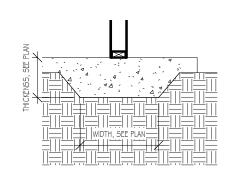






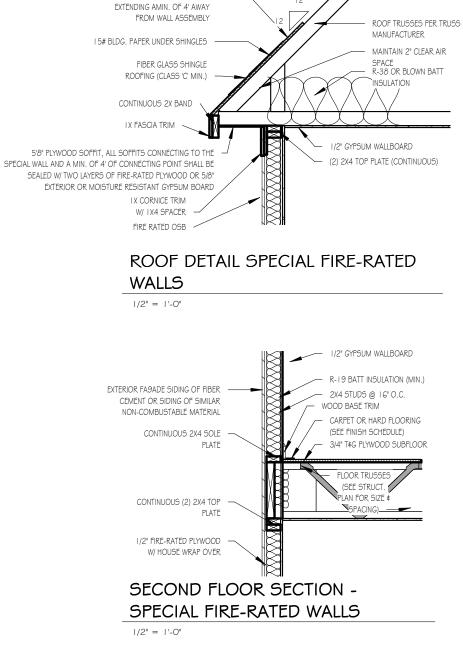






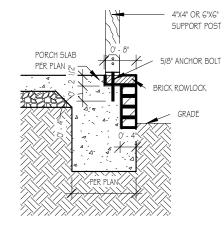
LUG FOOTING





1/2" FIRE-RATED PLYWOOD -

DECKING W/ PLY CLIPS AT JOINTS





5/8" PLYWOOD

AT JOINTS

DECKING W/ PLY CLIPS

#### FRONT PORCH COLUMNS SUPPORT ATTACHMENT

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P

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CONSTRUCTION. ONCE A PERMIT HAS

BEEN ISSUED, CONTRACTOR SHALL

ACCURACY OF THE PLANS AND ANY

CHANGES MADE DURING

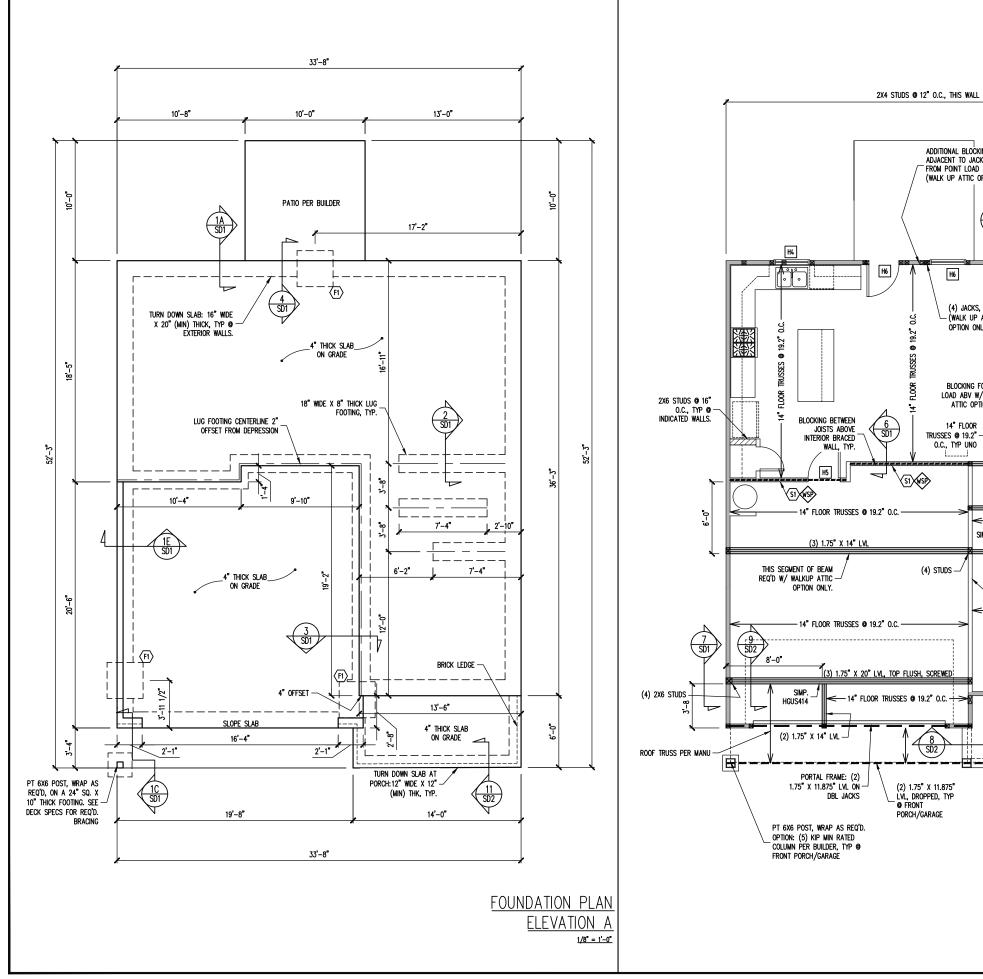
CONSTRUCTION.

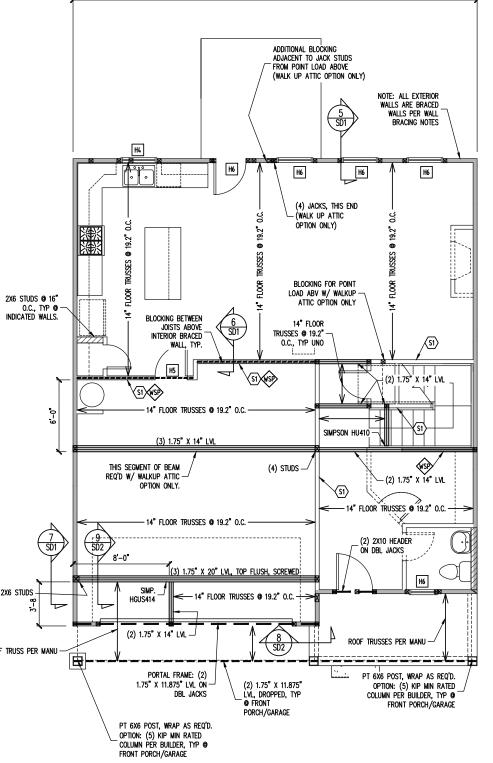
ASSUME ALL RESPONSIBILITY TO THE

Project Number Project Number Plan Number

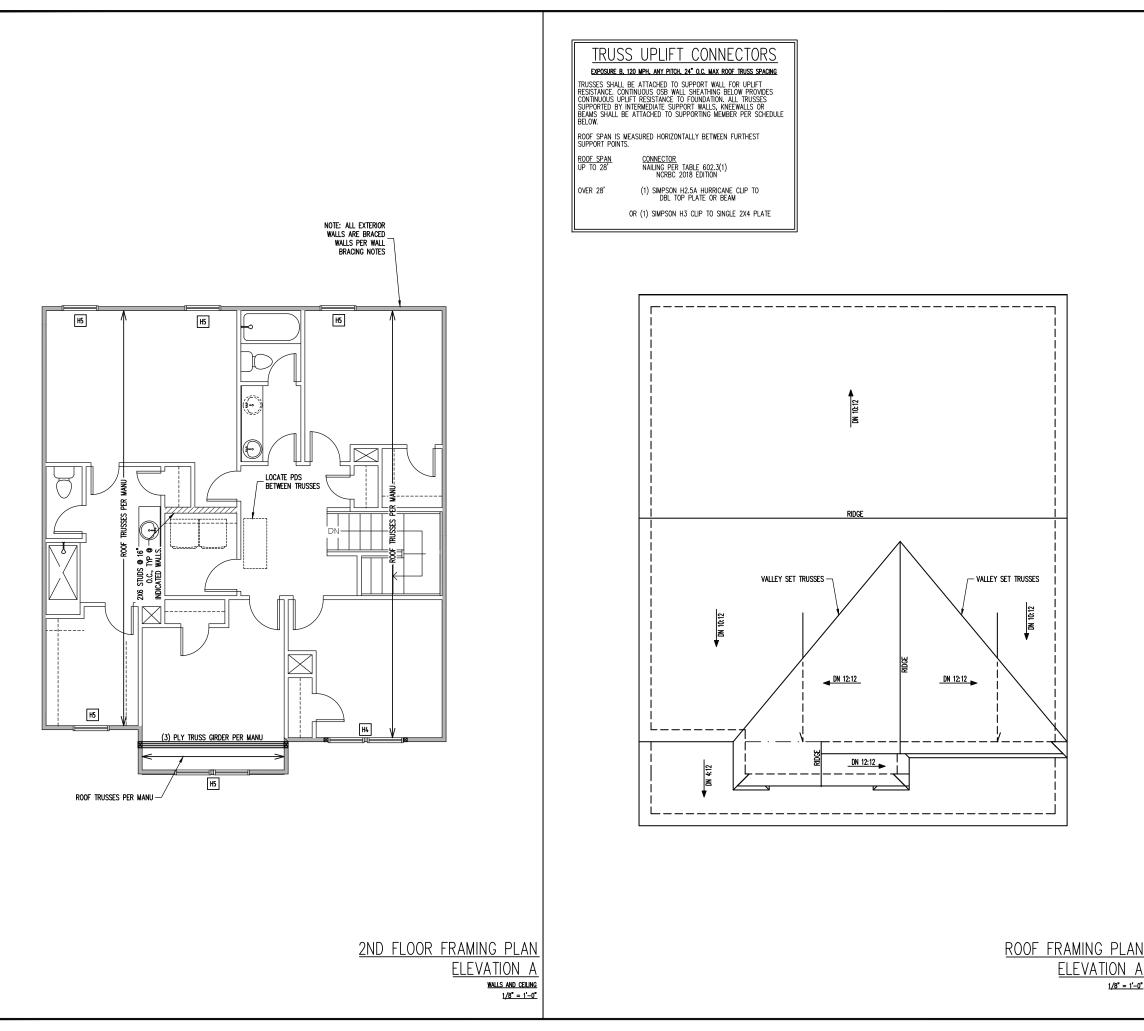


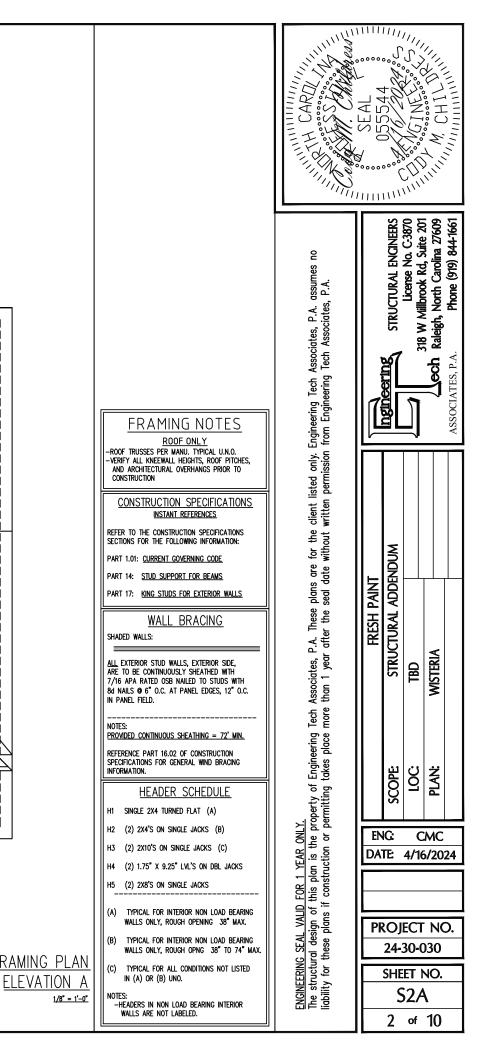
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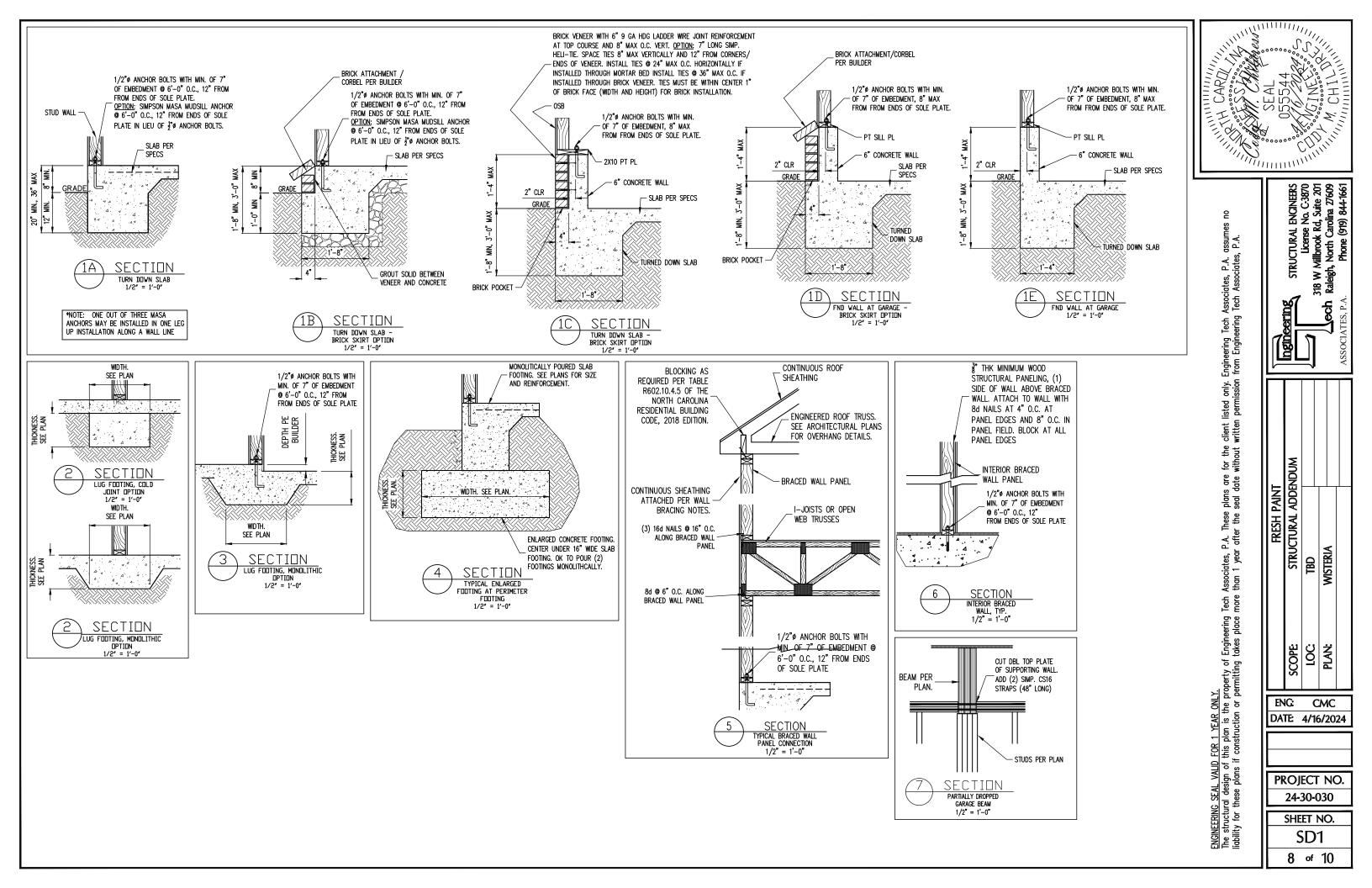


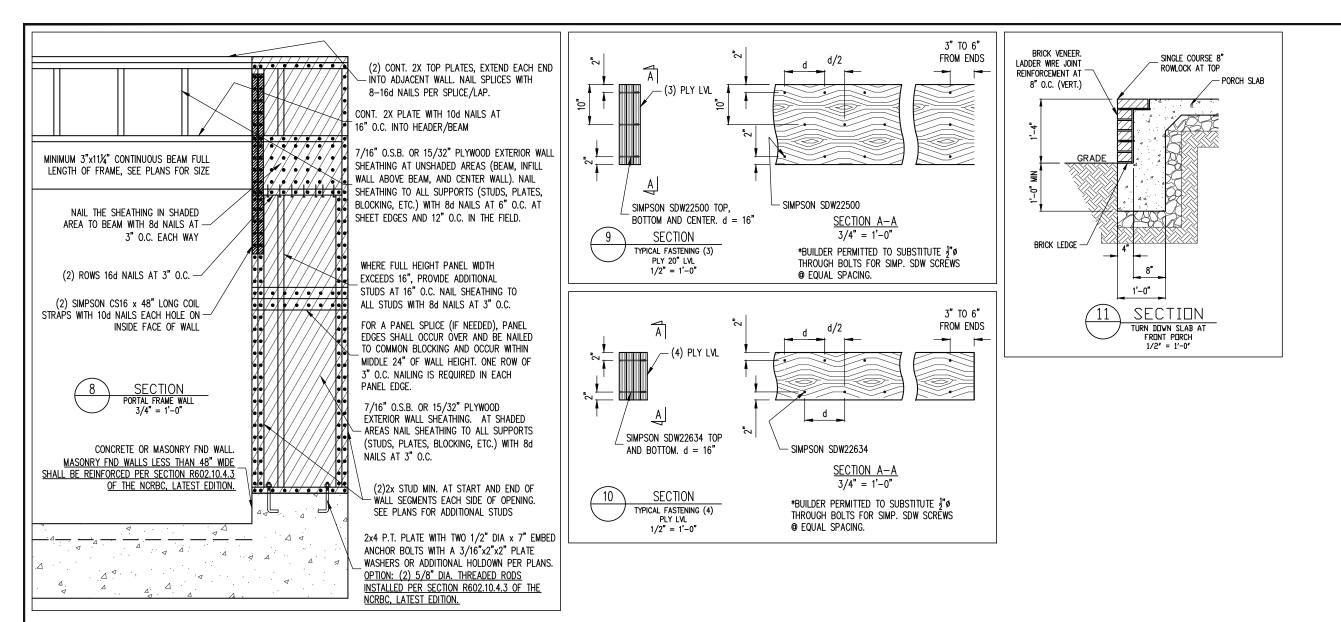


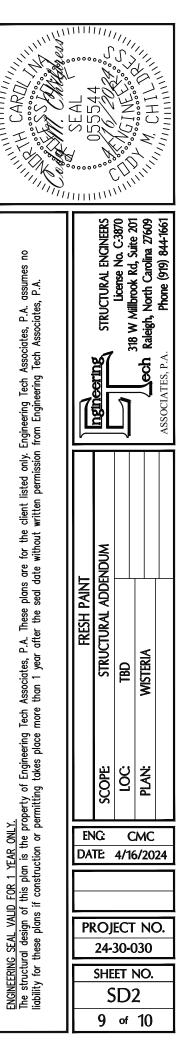
	FOUNDATION SCHEDULE F1 12" THICK X 36" SQ. FOOTING NOTES: - HEIGHT AND BACKFILL LIMITATIONS FOR FOUNDATION WALLS ARE TO BE GOVERNED BY THE NCSBC, LATEST EDITION. FRAMING SCEDULE	055544 0555544 05555544 055555544 055555544 05555555555
E: ALL EXTERIOR LLS ARE BRACED WALLS PER WALL BRACING NOTES	S1 INTERIOR LOAD BEARING WALL: SECURE TO THICKENED SLAB BELOW WITH 1/2'\$ RED HEADER ANCHOR (OR EQUAL) @ 6'-0" O.C., 12" MAX FROM ENDS / CORNERS OF WALL, 7" MIN EMBEDMENT INTO SLAB BELOW. JOIST SUBSTITUTION 14" FLOOR TRUSSES PERMITTED TO BE SUBSTITUTED WITH 14" I-JOISTS. MAINTAIN MINIMUM SPACING AS CALLED OUT ON PLANS. SIMP. IUS/ITS3.56/14 HANGERS TO BE SUBSTITUTED WITH SIMP. IUS/ITS2.06/14 HANGER WHEN I-JOISTS HAVE BEEN INSTALLED. CONSTRUCTION SPECIFICATIONS INSTANT REFERENCES REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION: PART 1.01: CURRENT GOVERNING CODE	Engineering Tech Associates, P.A. assumes no from Engineering Tech Associates, P.A. Ingineering STRUCTURAL ENGINEERS 318 W Millbrook Rd, Suite 201 ASSOCIATES, P.A. Phone (919) 844-1661
2) 1.75" X 14" LVL 2) 1.75" X 14" LVL USSES @ 19.2" O.C. HEADER ACKS	PART 14: <u>STUD SUPPORT FOR BEAMS</u> PART 17: <u>KING STUDS FOR EXTERIOR WALLS</u> SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS <u>WALL BRACING</u> SHADED WALLS: <u>ALL EXTERIOR STUD WALLS, EXTERIOR SIDE,</u> ARE TO BE CONTINUOUSLY SHEATHED WTH 7/16 APA RATED OSB NAILED TO STUDS WTH 8d NAILS © 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD. WSP – ONE SIDE OF INTERIOR WALL OR INSIDE OF EXTEROR WALL WITH 3/8" WIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING, ATTACH WSP TO STUD WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANEL MIN 3/8" MIN. THICKNESS WOOD STRUCTURAL PANEL MIN 3/8" MIN. THICKNESS WOOD STRUCTURAL PANEL MIN 3/8" MIN. THICKNESS WOOD STRUCTURAL PANEL PANEL MIN 3/8" MIN. THICKNESS WOOD STRUCTURAL PANEL PANEL MIN 3/8" MIN. THICKNESS WOOD STRUCTURAL PANEL PANE	eering Tech Associates, P.A. These plans are for the client listed only. place more than 1 year after the seal date without written permission FRESH PAINT FRESH PAINT STRUCTURAL ADDENDUM TBD MISTERIA
S PER MANU POST, WRAP AS REQ'D. N: (5) KIP MIN RATED I PER BUILDER, TYP OF FRONT PORCH/GARAGE <u>1ST FLOOR FRAMING PLAN</u> ELEVATION A	HEADER       SCHEDULE         H1       SINGLE 2X4 TURNED FLAT       (A)         H2       (2) 2X4'S ON SINGLE JACKS       (B)         H3       (2) 2X10'S ON SINGLE JACKS       (C)         H4       (2) 1.75" X 9.25" LVL'S ON DBL JACKS       (C)         H4       (2) 1.75" X 9.25" LVL'S ON DBL JACKS       (A)         H5       (2) 2X8'S ON SINGLE JACKS       (E)         H6       (2) 2X8'S ON DBL JACKS       (A)         TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX.       (B)         (B)       TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPING 38" TO 74" MAX.         (C)       TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO.         NOTES:       (C)	ENGINEERING SEAL VALID FOR 1 YEAR ONLY. The structural design of this plan is the property of Engineering Tech liability for these plans if construction or permitting takes place more DVD TOTOTO SCOPE PLAN:
WALLS AND CEILING 1/8" = 1'-0"	-HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED.	S1A 1 of 10











CONSTRUCTION	SPECIFICATIONS	
PART 1: GENERAL	7.04 MASONRY CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS OF ACI 530	WITHIN THE CAVITY FORMED BY THE FLOOR JOISTS.
1.01 CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.	7.05 LADDER WIRE REINFORCEMENT SHALL CONFORM TO ASTM A951. 6" MIN LAPS FOR CONTINUOUS WALL APPLICATIONS	PLOUR JUISTS. PART 15: NAILING OF MULTI PLY WOOD BEAMS
1.02 DIMENSIONS SHOWN SHALL GOVERN OVER SCALE ON THESE DRAWINGS.	PART 8: BOLTS AND LAG SCREWS	15.01 SOLID SAWN LUMBER JOISTS THAT ARE GANGED TO FORM A BEAM SHA ADJACENT MEMBERS IN THE BEAM NAILED TOGETHER WITH THREE ROWS
1.05 METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.	8.03 ANCHOR RODS AND BOLTS SHALL CONFORM TO ASTM F1554-15 GRADE 36 UNO. BENT ANCHOR BOLTS SHALL HAVE A 2" MIN HOOK UNO	© 16" O.C. FOR 2X10 OR LARGER, TWO ROWS OF 10d NAILS © 16" O.C. ROW OF 10d NAILS © 16" O.C. FOR 2X6 OR SMALLER. STAGGER ROWS
P <u>ART 2: DESIGN LOADS</u> 2.01 DESIGN LOADS SHALL CONFORM WITH THE TABLE BELOW:	PART 9: DRIVEN FASTENERS 9.01 NAUS, SPIKES AND STAPLES SHALL CONFORM TO ASTM F 1667- 05. NAILS ARE TO BE	15.02 LVL MEMBERS THAT ARE GANGED TO FORM A BEAM SHALL HAVE ADJA IN THE BEAM FASTENED TOGETHER PER MANUFACTURERS RECOMMEND UND
USE LIVE LOAD (PSF) DEAD LOAD (PSF)	COMMON WIRE OR BOX PART 10: DIMENSIONAL LUMBER	PART 16: WALL FRAMING AND BRACING
BALCONIES, DECKS, ATTICS WITH FIXED STAIR ACCESS, DWELLING UNITS INCLUDING ATTICS WITH	10.01 SOLID SAWN WOOD FRAMING DESIGN IS BASED ON NO. 2 SPRUCE PINE FIR <u>OR</u> SYP <b>#</b> 2 FOR JOISTS, RAFTERS, GIRDERS, BEAMS, STUDS, ETC.	16.01 STUD WALLS SHALL CONSIST OF 2X4 STUDS SPACED AT 16" O.C. UNO. BE CONTINUOUS FROM SOLE PLATE AT FLOOR TO DOUBLE TOP PLATE A OR ROOF. NO INTERMEDIATE BANDS OR PLATES SHALL CAUSE DISCONTIN
FIXED STAIR ACCESS, STAIRS, FIRE ESCAPES 40 10	PART 11: ENGINEERED LUMBER	STUD WALL EXCEPT AS REQUIRED FOR DOOR OR WINDOW OPENINGS. TH FOR SUCH OPENINGS SHALL BE CONTINUOUS, TYP UNO. MAX ALLOWABLE WALL HEIGHTS FOR EXTERIOR STUD WALLS, WITH SI
GARAGES (PASSENGER CARS ONLY) 50 ATTICS (NO STORAGE, LESS THAN 5' HEADROOM) 10 10 ATTICS (WITH STORAGE) 20 10	11.01 LVL OR PSL MINIMUM ALLOWABLE DESIGN STRESSES ARE AS FOLLOWS: E= 1.9 X 10E6 PSI, Fb = 2600 PSI, Fv = 285 PSI, Fc = 750 PSI LSL MINIMUM ALLOWABLE DESIGN STRESSES ARE AS FOLLOWS: E= 1.3 X 10E6 PSI, Fb = 1700 PSI, Fv = 400 PSI, Fc = 680 PSI	AND DBL TOP PLATE AND 7/16" OSB EXTERIOR BRACING AND ROW 2X6 PURLINS AT 8' HEIGHT (AND AT 16' HEIGHT FOR TALL WALLS), 2X4 @ 16" O.C.: 11"-0" 2X6 @ 16" O.C.: 17"-0"
ROOF 20 10 (15 FOR VAULTS)	11.02 LVL OR PSL MEMBERS MAY BE RIPPED FROM DEEPER MEMBERS TO MATCH THE MEMBER DEPTH SPECIFIED IN THE PLANS	
NOTES: - INDIVIDUAL STAR TREADS ARE TO BE DESIGNED FOR THE UNIFORMLY DISTRIBUTED LIVE LOAD OF 40 PSF OR A 300 LB. CONCENTRATED LOAD ACTING OVER AN AREA OF 4 SQ. WHICHEVER PRODUCES THE GREATER STRESS.	PART 12: PRESSURE TREATED LUMBER	16.02 FOR WALL BRACING THE FOLLOWING SHALL APPLY: -BLOCKING AT UNSUPPORTED PANEL EDGES IS REQUIRED TYP UNO. -WALL BRACING IS BY ENGINEERED DESIGN AND NOT PRESCRIPTIVE PER
<ul> <li>BUILDER TO VERIFY DEAD LOAD DOES NOT EXCEED 10 PSF WHEN HEAVY FLOOR OR ROOF FINISHES SUCH AS TILE OR SLATE ARE UTILIZED. NOTIFY ENGINEERING UNDER THESE CONDITIONS</li> </ul>	12.01 LUMBER IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD C-15. ALL OTHER EXPOSED LUMBER SHALL BE TREATED IN ACCORDANCE WITH AWPA STANDARD C-2 OR BY ANY METHOD	602.10 OF THE 2018 NCRC. CONTINUOUS SHEATHING HAS BEEN PROV WITH ALTERNATIVE METHODS TO INSURE THE MINIMUM INTENT OF SEC OF THE 2018 NCRC HAS REFN MET AND EXCEPTED
2.02 INTERIOR WALLS: 5 PSF LATERAL.	giving equal protection. The building code office may also approve a natural decay resistant wood per section $19-6(A)$	BRACED WALL PANELS SHALL BE FASTENED IN ACCORDANCE WITH TAE PROVIDE CONTINUOUS PANEL UPLIFT RESISTANCE AND COMPLIANCE W R602.3.5 AND R802.11 UNLESS NOTED OTHERWISE ON STRUCTURAL P
2.03 BASIC WIND DESIGN VELOCITY OF 120 MPH.	PART 14: STUD SUPPORTS FOR BEAMS	-MAY SUBSTITUTE WSP FOR GB -Single Just; constituous Rim Joist, or Blocking of Equal Depth Above and Below All Braced Walls. Nai. Blocking Above Wall
2.04 SOIL BEARING CAPACITY 2000 PSF (PRESUMPTIVE). PART 5: CONCRETE AND SLABS ON GRADE	14.01 STEEL, ENGINEERED LUMBER, AND FLITCH PLATE BEAMS BEARING ON A STUD WALL SHALL BEAR AS FOLLOWS:	ABOVE AND BELOW ALL BRACED WALLS. NAIL BLOCKING ABOVE WALL WITH 16d TOE NAILS @ 6" O.C. NAIL SOLE PLATE OF BRACED WALL TO BELOW WITH (3) 16d NAILS @ 16" O.C. BLOCKING AT HORIZONTAL JOIN
5.01 CAST IN PLACE CONCRETE SHALL BE OF NORMAL WEIGHT, 6% AIR ENTRAINMENT, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS TYP UNO. ALL CONCRETE, INCLUDING CONCRETE FOR FOOTINGS, IS TO BE CAST IN PLACE, TYP UNO.	1-WHEN THE BEAM IS PERPENDICULAR TO, OR SKEWED RELATIVE TO THE WALL, THE BEAM SHALL BEAR <u>FULL WIDTH</u> ON THE SUPPORTING WALL INDICATED AND SHALL BE SUPPORTED BY A MINIMUM OF THREE GANGED STUDS, OR A GANGED STUD COLUNN WITH A NUMBER OF STUDS SUCH THAT THE STUD COLUMN IS AT LEAST AS WIDE AS THE TRUE WIDTH OF	WALL LINES ONLY REQUIRED AT SHADED WALLS, UNO.  PART 17: KING STUDS  17.01 KING STUDS FOR OPENINGS IN EXTERIOR WALLS SHALL BE AS FOLLOWS
5.02 REINFORCED CAST IN PLACE CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED IN ACCORDANCE WITH THE SPECIFICATIONS OF ACI 318, LATEST EDITION.	THE BEAM BEING SUPPORTED, WHICHEVER IS GREATER, TYP UNO, FOR THE SKEWED CONDITION PARTICULAR CARE SHALL BE TAKEN TO ENSURE STUD COLUMN IS CENTERED ON THE BEAM	NUMBER OF KING STUDS
5.03 SLABS ON GRADE, IF ANY, SHALL CONTAIN SYNTHETIC POLYPROPYLENE FIBRILLATED MICRO FIBERS, FIBER LENGTH 1 1/2", DOSAGE RATE 1 1/2 LBS/CU YD. SLAB TO BE PLACED ON A 6 MIL VAPOR BARRIER ON 2" MIN GRANULAR FILL ON SOIL WITH 90%	2-BEAMS BEARING ONTO THE END OF A STUD WALL PARALLEL TO THE BEAM SHALL BEAR A MINIMUM OF 4 1/2" ONTO THE WALL AND BE SUPPORTED BY A TRPL STUD GANGED COLUMN TYP UNO.	MAX_OPENING_WIDTH         5'-0"         9'-0"         13'-0"         17'-0"         21'-0"           2X4         1         2         3         4         5           STUD SIZE         2X6         1         1         2         2         2           2X8         1         1         1         2         2         2
MIN STANDARD PROCTOR DENSITY. VAPOR BARRIER MAY BE OMITTED FOR SLABS NOT IN ENCLOSED AREAS	14.02 DIMENSIONAL LUMBER BEAMS BEARING ON A STUD WALL SHALL BEAR AS FOLLOWS: 1-WHEN THE BEAM IS PERPENDICULAR TO, OR SKEWED RELATIVE TO THE WALL, THE BEAM	PART 18: SUBSTITUTIONS
PART 6: REBAR AND WRE REINFORCEMENT	SHALL BEAR FULL WIDTH ON THE SUPPORTING WALL INDICATED (LESS 1 1/2" TO ALLOW FOR A CONTINUOUS RIM JOIST WHERE APPLICABLE) AND SHALL BE SUPPORTED BY A GANGED STUD COLUMN THE SAME WIDTH AS THE BEAM TYP UNO. (E.G. A TRIPLE 2X10 IS	18.01 MATERIAL OR MEMBER SIZE SUBSTITUTIONS OR PLAN DEVIATIONS REQUIRE THE WRITTEN AUTHORIZATION OF THE DESIGNERS. UNAUTHORIZED DEVIATIONS ARE THE SOLE
6.01 REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60 TYP UNO 6.02 LAP SPLICES SHALL BE CLASS B AS DEFINED BY ACI 318, TYP UNO	TO BE SUPPORED BY (3) STUDS). FOR THE SKWED CONDITION PARTICULAR CARE SHALL BE TAKEN TO ENSURE STUD CULIMN IS CENTERED ON THE BEAM	RESPONSIBILITY OF THE CONTRACTOR.
6.03 WIRE REINFORCEMENT SHALL BE 9 GA AND SHALL CONFORM TO ASTM A1064.	2-BEAMS BEARING ONTO THE END OF A STUD WALL PARALLEL TO THE BEAM SHALL BEAR A MINIMUM OF 3" ONTO THE WALL AND BE SUPPORTED BY A DBL STUD GANGED COLUMN	PART 19: OWNERSHIP OF STRUCTURAL DESIGN 19.01 THE STRUCTURAL DESIGN OF THIS PLAN IS THE PROPERTY
PART 7: MASONRY	TYP UNO. 14.03 EXTRA JOISTS BEARING ON A STUD WALL PERPENDICULAR TO OR SKEWED RELATIVE TO	OF ENGINEERING TECH ASSOCIATES (ETA). THESE PLANS ARE FOR THE ONE TIME USE AT THE LOCATION INDICATED
7.01 Concrete masonry units shall conform to astm C90 and C55, normal weight, fm = 1,500 psi min	THE BEAM SHALL BE SUPPORTED BY ONE ADDITIONAL STUD. 14.04 STUDS THAT ARE GANGED TO FORM A COLUMN SHALL HAVE ADJACENT STUDS WITHIN	AND FOR THE CLIENT LISTED. ETA ASSUMES NO LIABILITY FOR THESE PLANS IF THEY ARE REPRODUCED, IN WHOLE OR IN PART, FOR CONSTRUCTION AT ANY OTHER LOCATION
7.02 CLAY MASONRY UNITS SHALL CONFORM TO ASTM C62-17 GRADE SW	THE COLUMN NAILED TOGETHER WITH ONE ROW OF 10d NAILS AT 8" O.C. (TWO ROWS	WITHOUT WRITTEN PERMISSION FROM ETA
7.03 MORTAR SHALL BE TYPE S. MORTAR AND GROUT SHALL CONFORM TO ASTM C476, MIN COMPRESSIVE STRENGTH OF 2000 PSI.	BE CONTINUOUS DOWN TO THE FOUNDATION OR OTHER PROPERLY DESIGNED STRUCTURAL ELEMENT SUCH AS A BEAM. COLUMNS TRANSFERRING LOADS THROUGH FLOOR LEVELS SHALL BE SOLIDLY BLOCKED FOR THE FULL WIDTH OF THE STUD COLUMN	
NOTES	ABBREVIATIONS	<u> </u>
The Builder is responsible for reviewing plans prior to construction. The Builder	ABV ABOVE FND FOUNDATION TJ TRIPLE JOIST	ALLOWABLE I-JOIST SUBSTITUTION
SHALL IMMEDIATELY CONTACT THE ENGINEER OF RECORD (EOR) BEFORE PROCEEDING IF THE FOLLOWING CONDITIONS ARE NOTED BEFORE OR DURING CONSTRUCTION:	B. BOTH FTG FOOTING TYP TYPICAL B.E. BOTH ENDS HDG HOT DIPPED TRPL TRIPLE	NOTE: MAINTAIN JOIST DEPTH, DIRECTION, AND SPACING SPECIFIED ON PLANS.
1) THE WORKING PLANS DO NOT BEAR THE SEAL OF THE EOR 2) THE PLANS CONTAIN DISCREPANT OR INCOMPLETE INFORMATION	BTWN BETWEEN GALVANIZED TSP TRIPLE STUD POCKE CIP CAST IN PLACE HGR HANGER UNO UNLESS NOTED CONC CONCRETE LVL LAMINATED VENEER OTHERWISE	SIMPSON FACE SIMPSON
ANY ERRORS DUE TO A FAILURE TO FOLLOW THE ABOVE PROCEDURES SHALL NOT BE THE RESPONSIBILITY OF THE EOR. FURTHERMORE, IT IS THE RESPONSIBILITY OF THE BUILDER TO ENSURE THAN ANY REVISIONS ISSUED BY THE EOR ARE PROMPLY DISTRIBUTED TO THE SUBCONTRACTORS	CONC. CONCRETE LE LEVEL LAWING LED VENEER OTHERWISE. CS CONTINUOUS SHEATHING LIMBER XJ EXTRA JOIST DIA DIAMETER O.C. ON CENTER DJ DOUBLE JOIST PSL PARALLEL STRAND	MANUFACTURER DEPTH SERIES MOUNT HGR FLANGE H BLUELINX 14" BLI 40 IUS2.56/14 ITS2.56/ BOISE CASCADE 14" BCI 5000s IUS2.06/14 ITS2.06/ BOISE CASCADE 14" BCI 6000S IUS2.37/14 ITS2.37/
THE EOR DOES NOT PERFORM FENESTRATION OR VENTING CALCULATIONS OR ANY OTHER CALCULATIONS THAT ARE NOT DIRECTLY RELATED TO STRUCTURAL ENGINEERING.	DSP DBL STUD POCKET LUMBER EQ EQUAL PT PRESSURE TREATED EA EACH QJ QUAD JOIST	LP CORP 14" LPI 20+ IUS2.56/14 ITS2.56/ NORDIC 14" NI 40X IUS2.56/14 ITS2.56/
ROOF AND FLOOR TRUSSES TO BE DESIGNED BY AN ENGINEER REGISTERED BY THE STATE. FINAL TRUSS DRAWING SHOULD BE SUBMITTED TO THE EOR FOR REVIEW	FLG FLANGE SP STUD POCKET FL FL FLITCH PLATE SQ SQUARE FLR FLOOR	ROSEBURG         14"         RFPI         40s         IUS2.56/14         ITS2.56/           WEYERHAEUSER         14"         TJI         210         IUS2.06/14         ITS2.06/           WEYERHAEUSER         14"         TJI         210         IUS2.05/14         ITS2.07/           WEYERHAEUSER         14"         EEI-20         IUS2.37/14         ITS2.73/
		JUSTS NOT LISTED IN THE ABOVE TABLE MAY BE USED PROVIDED THE MEET OR EXCEED THE PROPERTIES OF THOSE LISTED. SUBSTITUTE USP BRAND HANGERS WITH EQUIVALENT VALUES AS DESIRED.

