Residence for

CONCRETE BLOCK/STONE

STEEL

NATURAL ROOF VENTILATION

<u>1357 SQ. FT.</u> = 9.05 SQ. FT. 150 VENT REQ'D

BUILDER TO PROVIDE APPROPRIATE VENTILATING AS REQUIRED PER CODE

CALCULATIONS

ALUMINUM

Garman Homes Lot 0077 Serenity Fuquay Varina, North Carolina

INDEX TO DRAWINGS

C 1 2 3 E M P D	REAR & RIGHT SIDE ELEVATIONS FIRST & SECOND FLOOR PLANS FIRST & SECOND FLOOR ELECTRICAL PLANS FIRST & SECOND FLOOR MECHANICAL PLANS FIRST FLOOR PLUMBING PLAN	S1FOUNDATION PLAN & FIRST FLOOR FRAMING PLANS2SECOND FLOOR FRAMING PLAN & ROOF FRAMING PLANS3OPTIONAL SCREEN PORCH DETAILSSD1STRUCTURAL DETAILSSD2STRUCTURAL DETAILSSD3STRUCTURAL DETAILSSPECSTRUCTURAL NOTES
1.	GENERAL NOTES 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.).	 RESIDENTIAL BUILDING CODE SUMMARY 1. PLANS ARE DESIGNED TO THE 2018 N.C.S.R.B.C. 2. HOUSE IS DESIGNED FOR 115 MPH ULTIMATE DESIGN WIND SPEED (89 MPH NOMIN DESIGN WIND SPEED), EXPOSURE B.
	DIMENSIONS SHOWN ON DRAWINGS GOVERN OVER SCALE. STUD WALL DESIGN SHALL CONFORM TO ALL N.C.S.R.B.C. REQUIREMENTS	 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. MEAN ROOF HEIGHT: 35'-0"
5.	CONTRACTOR SHALL USE TEMPERED SAFETY GLASS IN ALL LOCATIONS AS REQUIRED BY N.C.S.R.B.C., 2018 EDITION, SECTION R308.4. 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. ALL EXTERIOR WALLS SHOWN ON FLOOR PLANS ARE 2X6 FRAME UNLESS NOTED OTHERWISE. ALL INTERIOR WALLS SHOWN ON	5. COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS: MEAN ROOF HGT: UP TO 30' 30'-1" TO 35' 35'-1" TO 40' 40'-1" TO 45' 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 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 2000000000000000000000000000000000000
	FLOOR PLANS ARE 2X4 FRAME UNLESS NOTED OTHERWISE. ALL ANGLED WALLS SHOWN ON FLOOR PLANS ARE 45 UNLESS NOTED OTHERWISE. ALL WINDOWS SHALL HAVE A MINIMUM DPI RATING OF 25. BUILDER SHALL VERIFY WITH WINDOW MANUFACTURER THAT UNITS	 MAXIMUM GLAZING U-FACTOR: .35 INSULATING VALUES: CEILING: R-38 / WALLS: R-15 / FLOOR: R-19 SLABS: R-10. CODE REFERENCE: TABLE N1102.1
	INSTALLED MEET THESE REQUIREMENTS AS PER N.C.S.R.B.C., 2018 EDITION, TABLE 301.2(4).	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.) BASEMENT: N/A GARAGE: 428 1ST FLOOR: N/A 1ST FLOOR: 848 FRONT PORCH: 81 2ND FLOOR: N/A
	MATERIALS LEGEND EARTH/COMPACT FILL FINISH WOOD CONCRETE ROUGH WOOD BRICK BLOCKING	2ND FLOOR: 1186 SCREEN PORCH: 100 3RD FLOOR: 63 3RD FLOOR: 489 ATTIC: N/A TOTAL: 609 TOTAL: 63 TOTAL: 2523 TOTAL: 609 OVERALL DIMENSIONS WIDTH: 33'-8"

PLYWOOD

MECHANICAL ROOF VENTILATION

<u>1357 SQ. FT.</u> = 4.53 SQ. FT. 300 VENT REQ'D

BUILDER TO PROVIDE APPROPRIATE VENTILATING AS

REQUIRED PER CODE

BATT INSULATION

RIGID INSULATION

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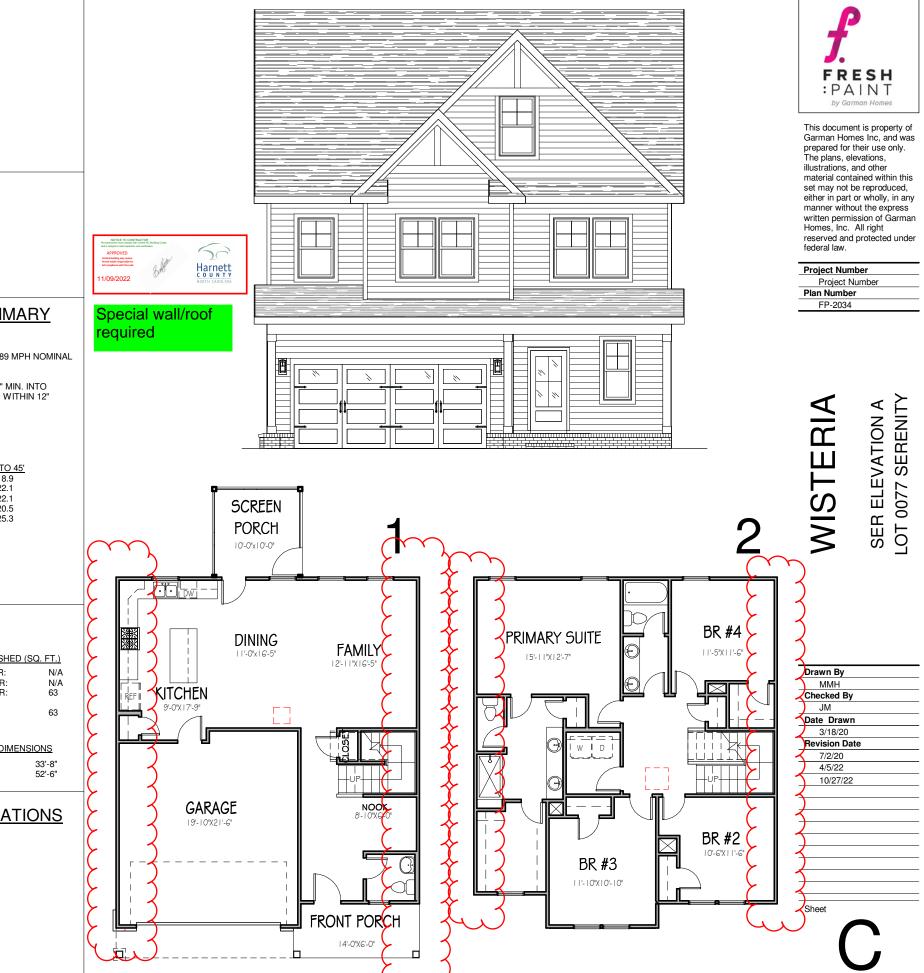
CALCULATIONS

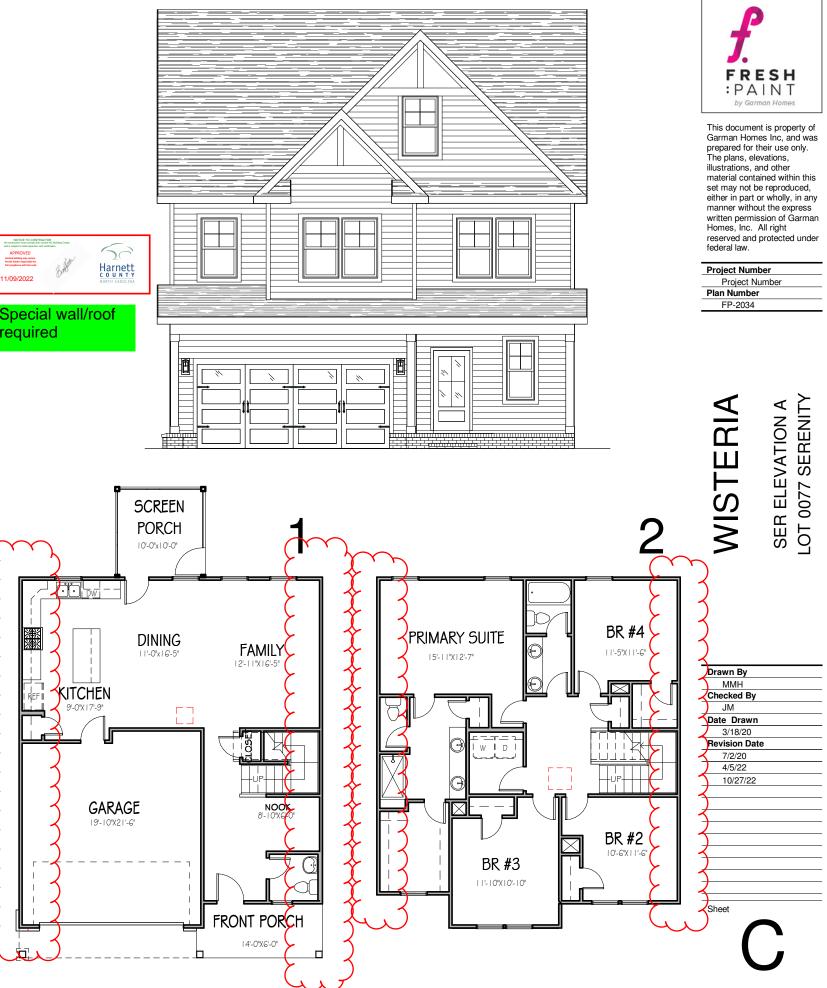
ATTIC VENTILATION REQUIREMENTS

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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Plan Number	
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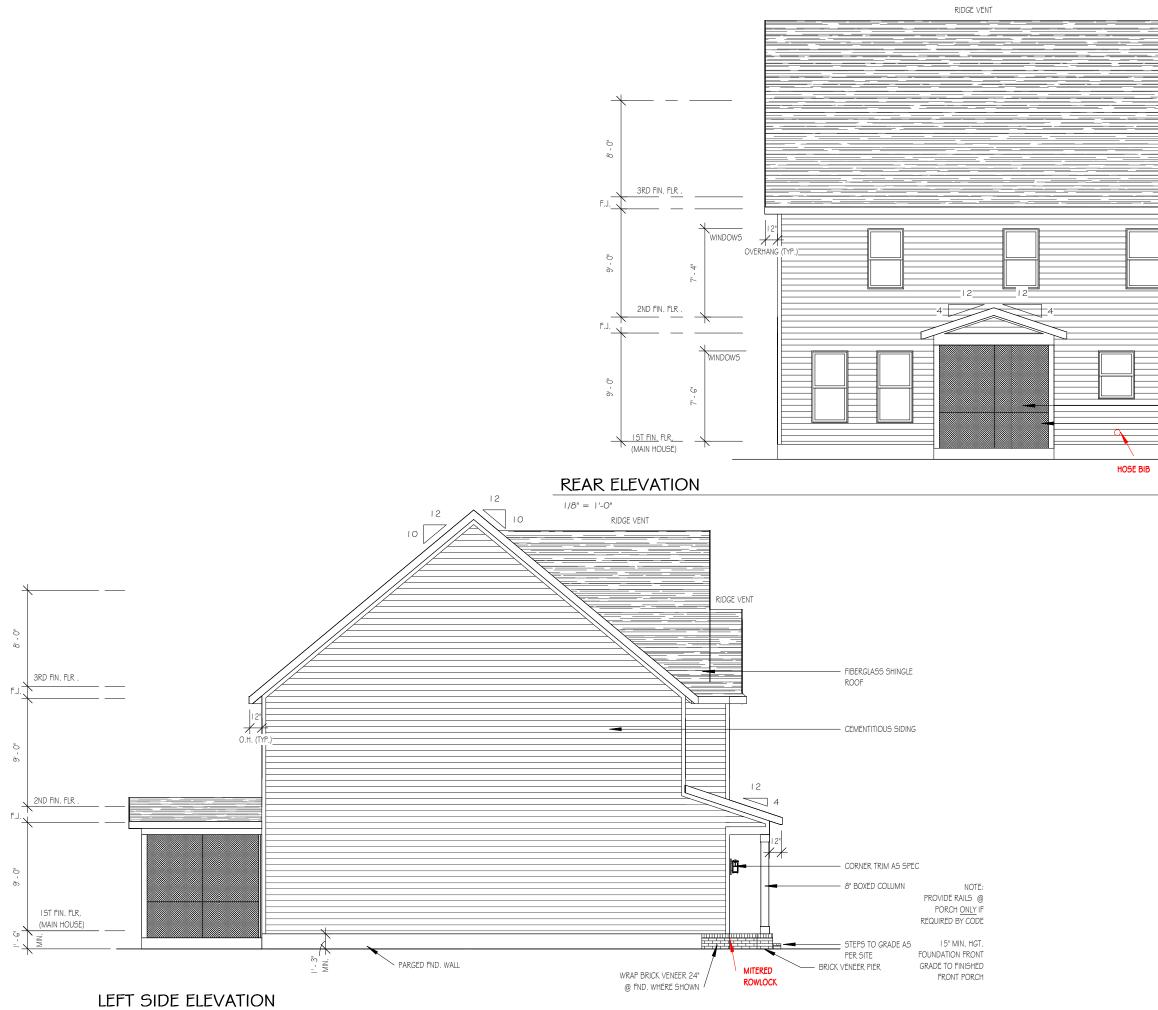


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- TREATED FRAMING WITH INSECT SCREEN

ROWLOCK MITERED AT CORNERS

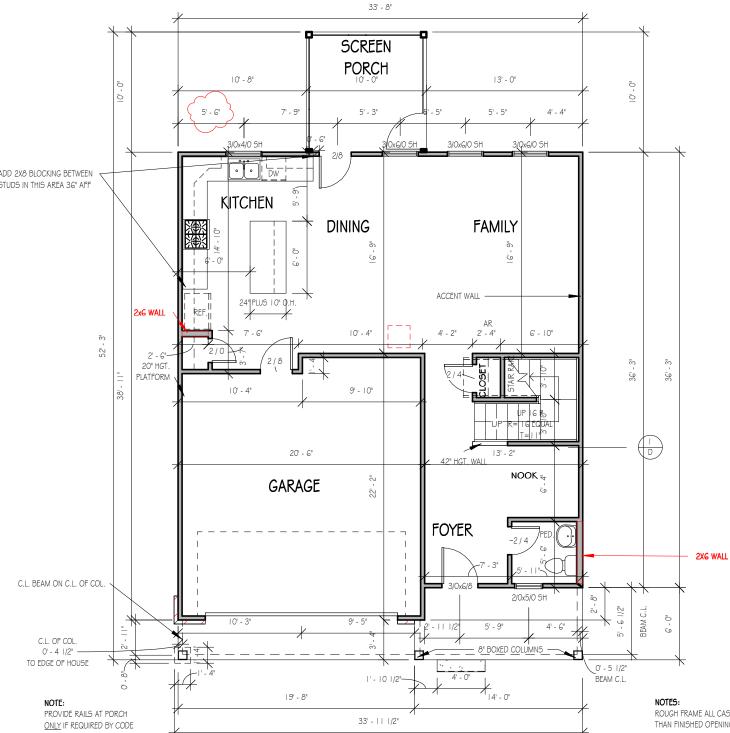


1/8" = 1'-0"

NOTE - SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE

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	FIBERGLASS SHINGLE ROOF CEMENTITIOUS SIDING	This document Garman Homes prepared for the The plans, eleva illustrations, and material contain set may not be either in part or manner without written permissi Homes, Inc. Al reserved and pr federal law.	Inc, and was ir use only. ations, d other ed within this reproduced, wholly, in any the express on of Garman I right
-	CORNER TRIM AS SPEC	Project Numbe Project Num Plan Number FP-2034	
	TREATED FRAMING WITH INSECT SCREEN BRICK MOLD ONLY @ DOOR PARGED FND. WALL 	WISTERIA	SER ELEVATION A LOT 0077 SERENITY

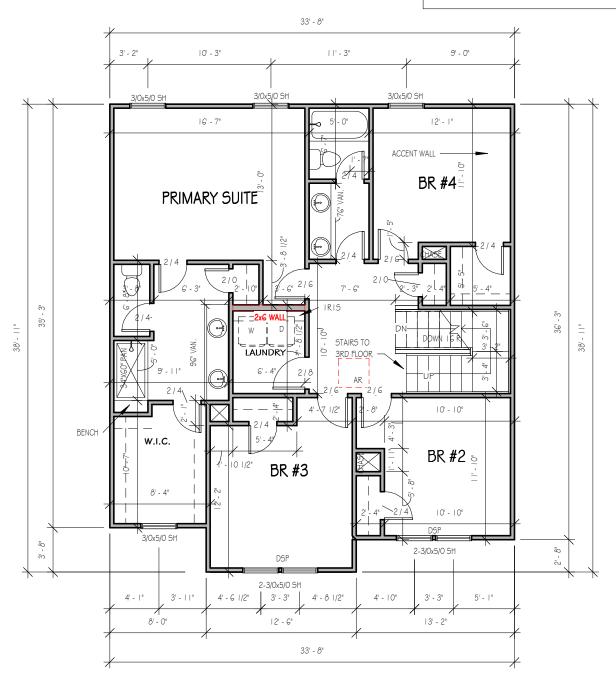
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FIRST FLOOR

1/8" = 1'-0"

9'-0" CLG. HGT. U.N.O. SET WINDOWS @ 7'-6" U.N.O. CASED OPENINGS 8'-O" TALL



ROUGH FRAME ALL CASED OPENINGS 2" BIGGER THAN FINISHED OPENING CALLS FOR

ROUGH FRAME ALL WINDOW OPENINGS 1/2" LARGER THAN FINISHED WINDOW CALLS FOR, WHEN PAIRED WITH ANOTHER WINDOW THAT CALLS FOR DSP, ADD EXTRA TO OUTSIDE MEASUREMENT OF WINDOW

ALL EXTERIOR WALLS 2X4

TOP OF ALL WINDOWS SILLS SHALL BE 24" MINIMUM ABOVE THE FINISHED FLOOR OR A FALL PREVENTION DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R312.2 OF N.C.S.R.B.C., 2018 EDITION

SECOND FLOOR

1/8" = 1'-0"

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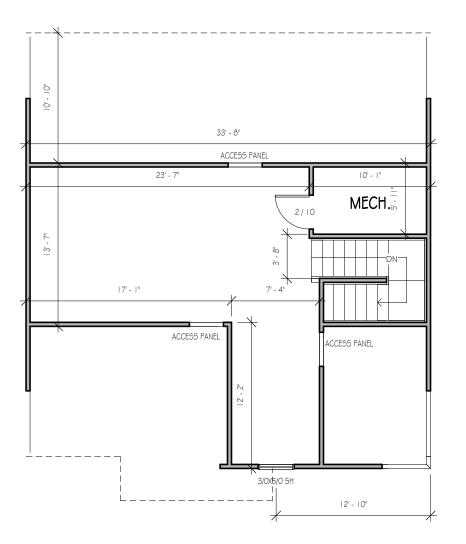
9'-0" CLG. HGT. U.N.O. SET WINDOWS @ 7'-4" U.N.O.

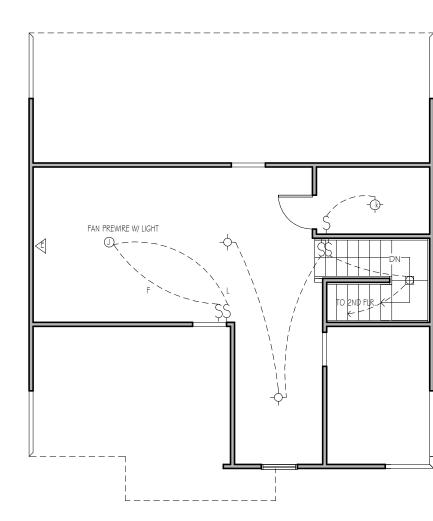
P FRESH : PAINT by Garm

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SER ELEVATION A LOT 0077 SERENITY **WISTERIA**

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OPT. FINISHED THIRD FLOOR

1/8" = 1'-0"

553 SQ.FT.

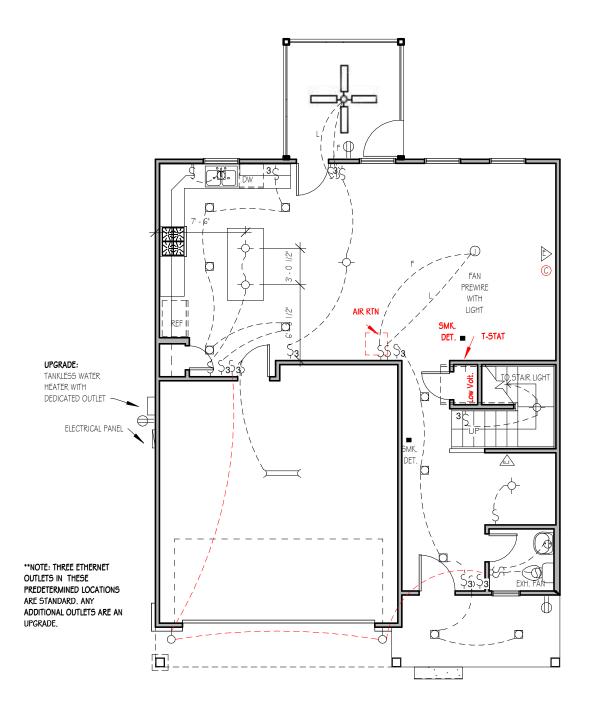
7'-0" CLG. HGT. U.N.O. SET WINDOWS @ 7'-0" U.N.O. THE PURPOSE OF THESE DRAWINGS IS TO SHOW THE INTENT OF THE DESIGN AND CONSTRUCTION OF THIS HOME. CONTRACTOR SHOULD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. ONCE A PERMIT HAS BEEN ISSUED, CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY TO THE ACCURACY OF THE PLANS AND ANY CHANGES MADE DURING CONSTRUCTION.

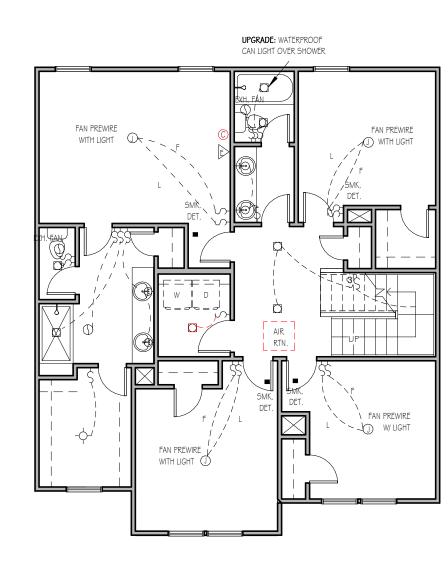


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FIRST FLOOR ELECTRICAL PLAN

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.

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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ELECTRICAL LECEND

-ф Цент Фолике
S - FAWLIGHT
OW- WATERPROOF OUTLET
I - RECEIPED LIGHTING
+ - SINKLE PULL GATCH
- P-MAY BINTCH
\$ - 4-MAY SMITCH
E - DHHER SHITCH
- MARE DETECTOR
A - HLOOD LIAHTS
V - ErtbAll SPOTS
O DIPLEX RECEPTACLE (10/2)
220 VOLT REGETTACLE
O - BWITCHED RECEPTAGLE (TOP WIRE ONLY)
. GROUND FAILT CIRCUIT INTERRUPTOR
- TRÁCK LIBHTE
- Hukinessetikr Lievitnike
0 - CABLE OUTLET
A - TELEPHONE OUTLET
A - COMPUTER DATA OUTLET
21 - DURBLAR ALARM
NOTE: ALL ELECTRICAL TO SE
VERIFIED BY OWNER/BUILDER DETOTE ROUGH-IN.



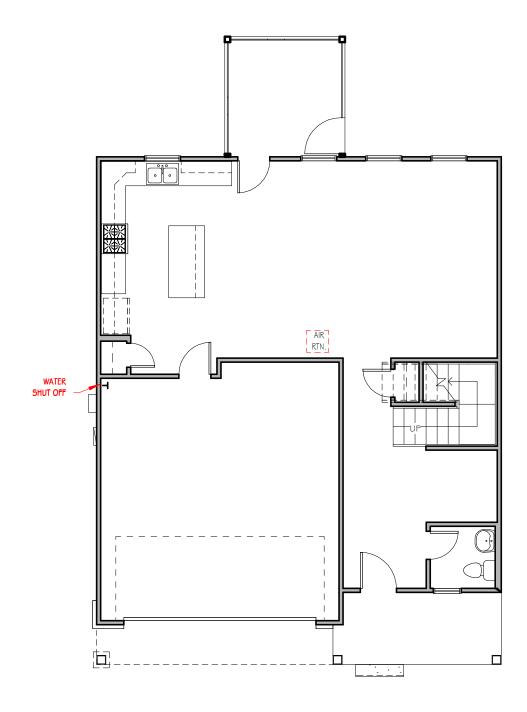
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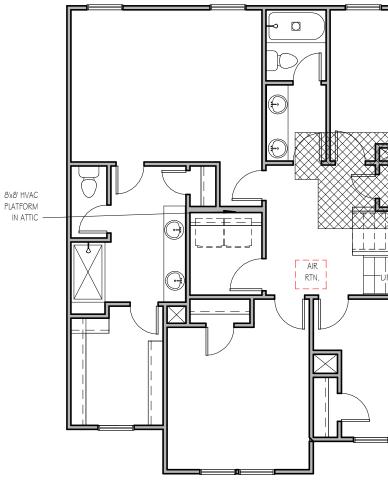
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FIRST FLOOR MECHANICAL PLAN

1/8" = 1'-0"



SECOND FLOOR MECHANICAL PLAN

1/8" = 1'-0"

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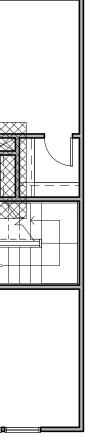
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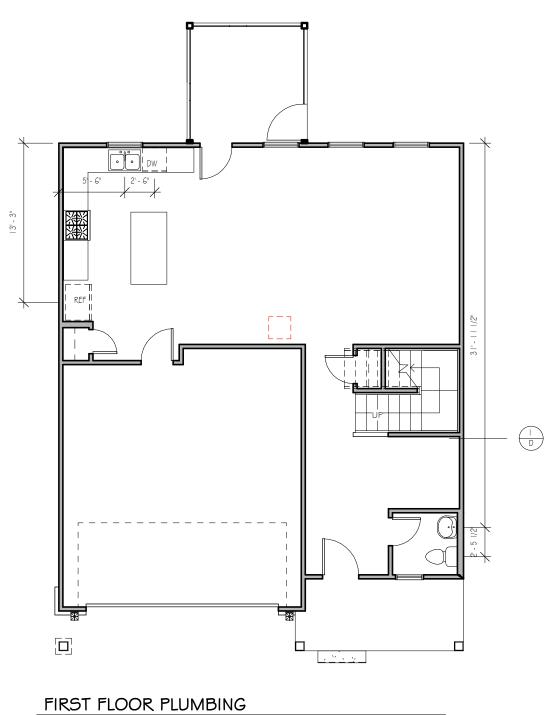


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1/8" = 1'-0"

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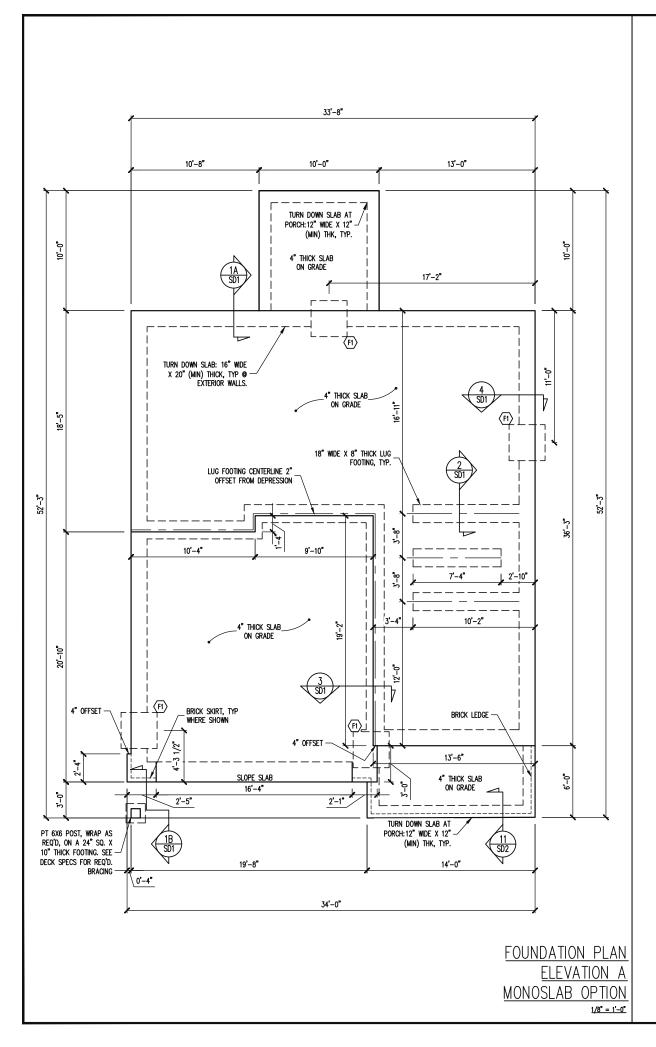
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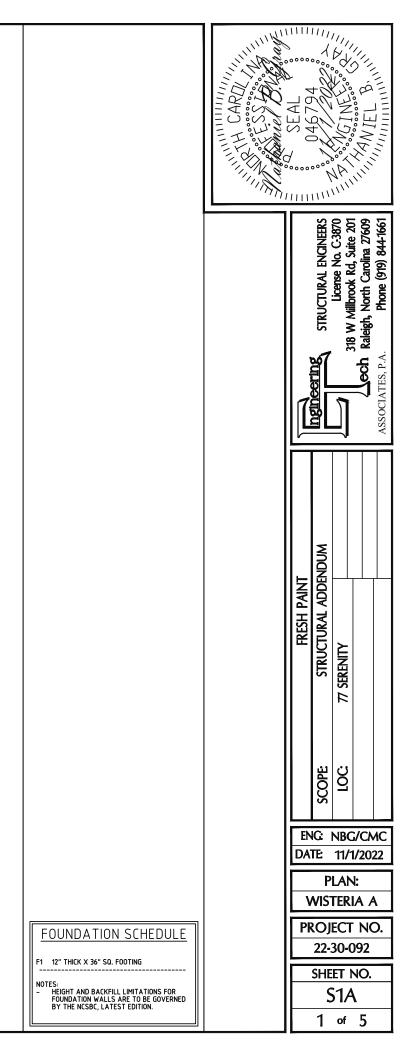
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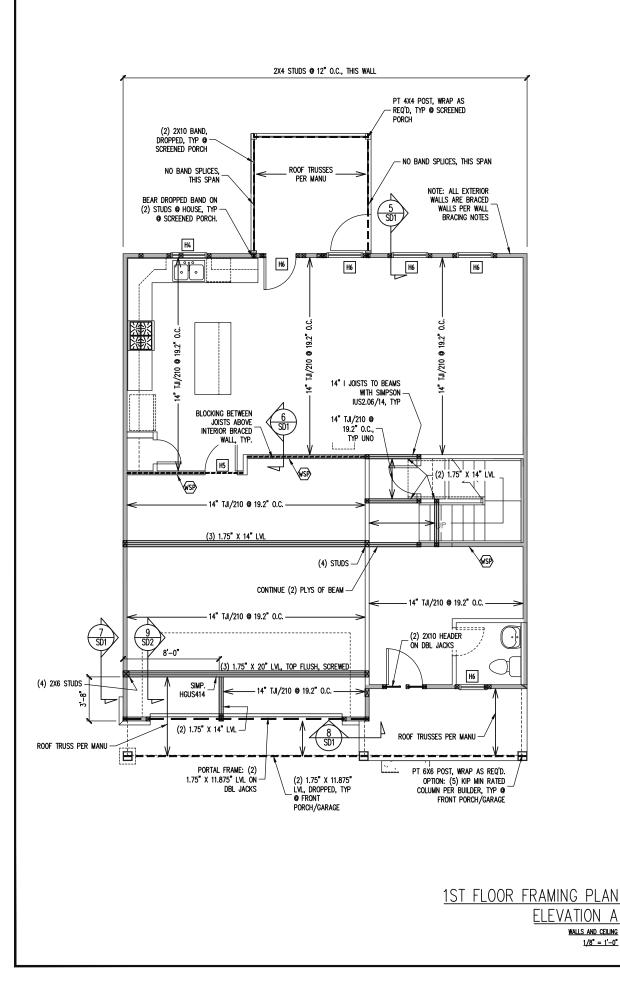
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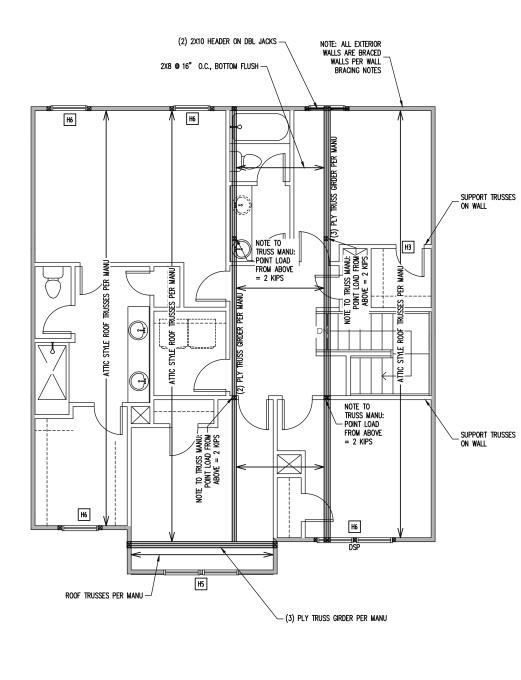
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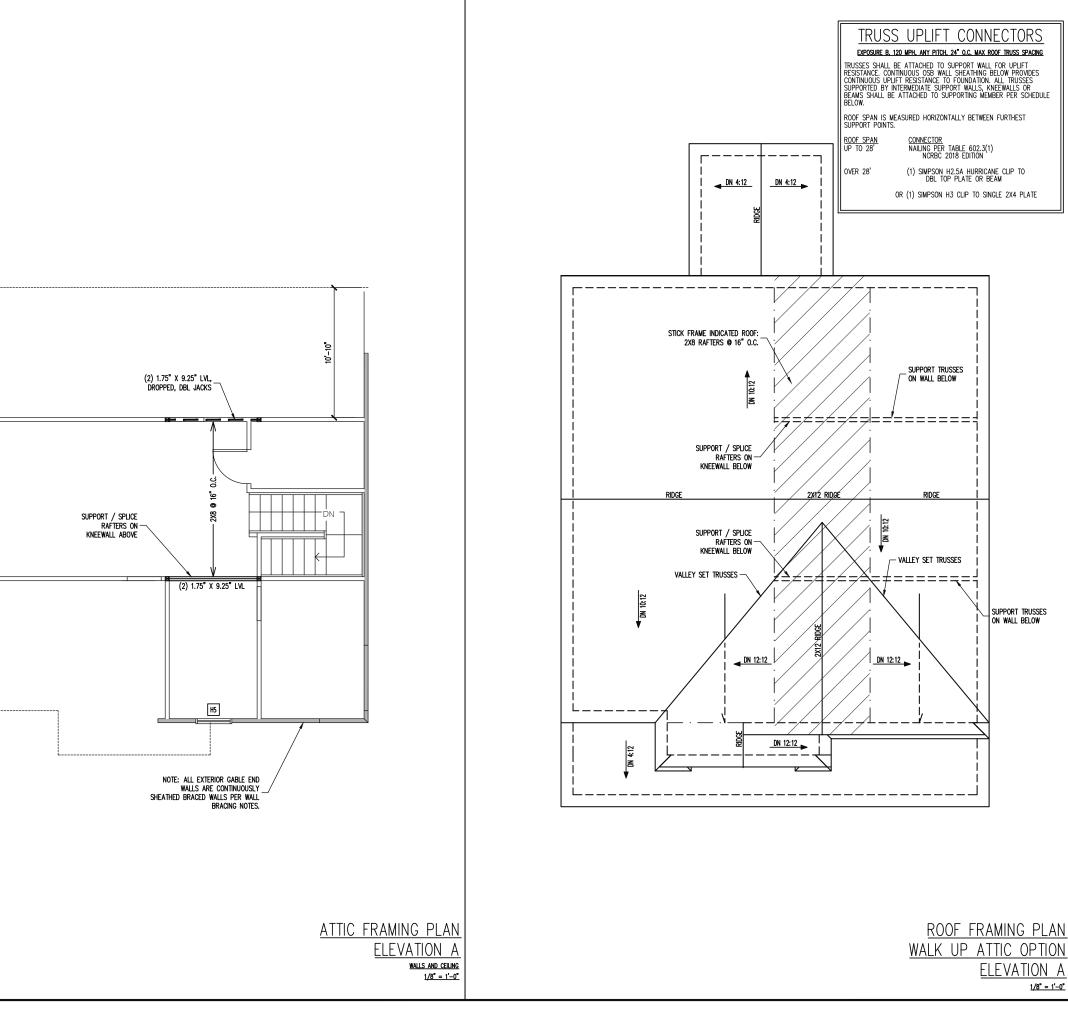


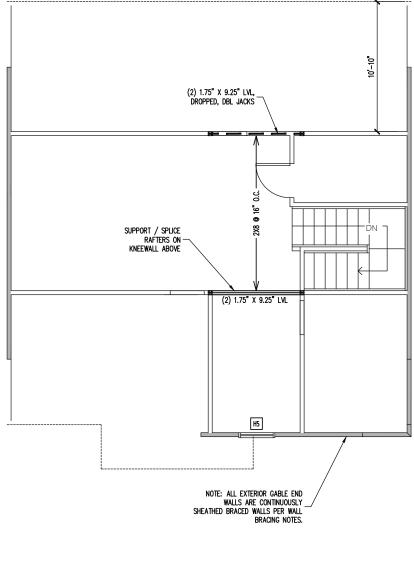


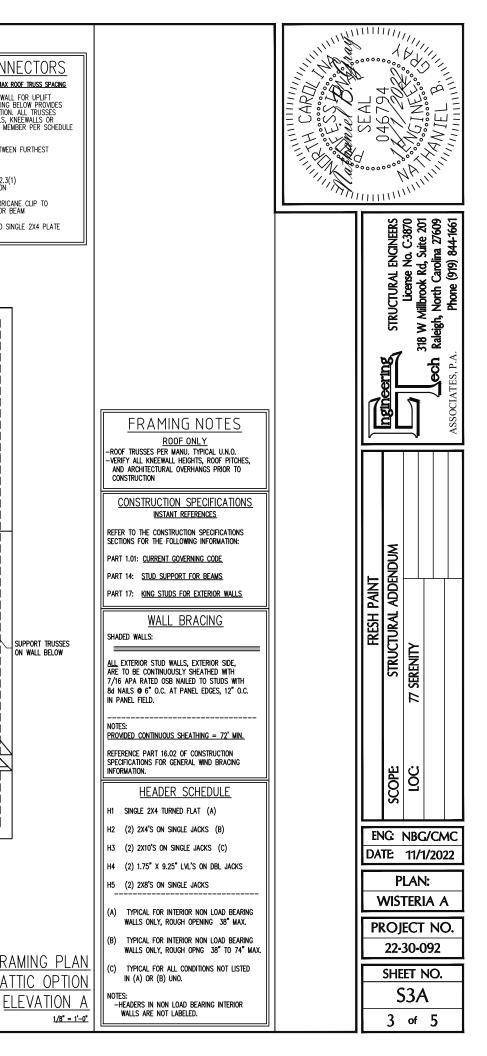


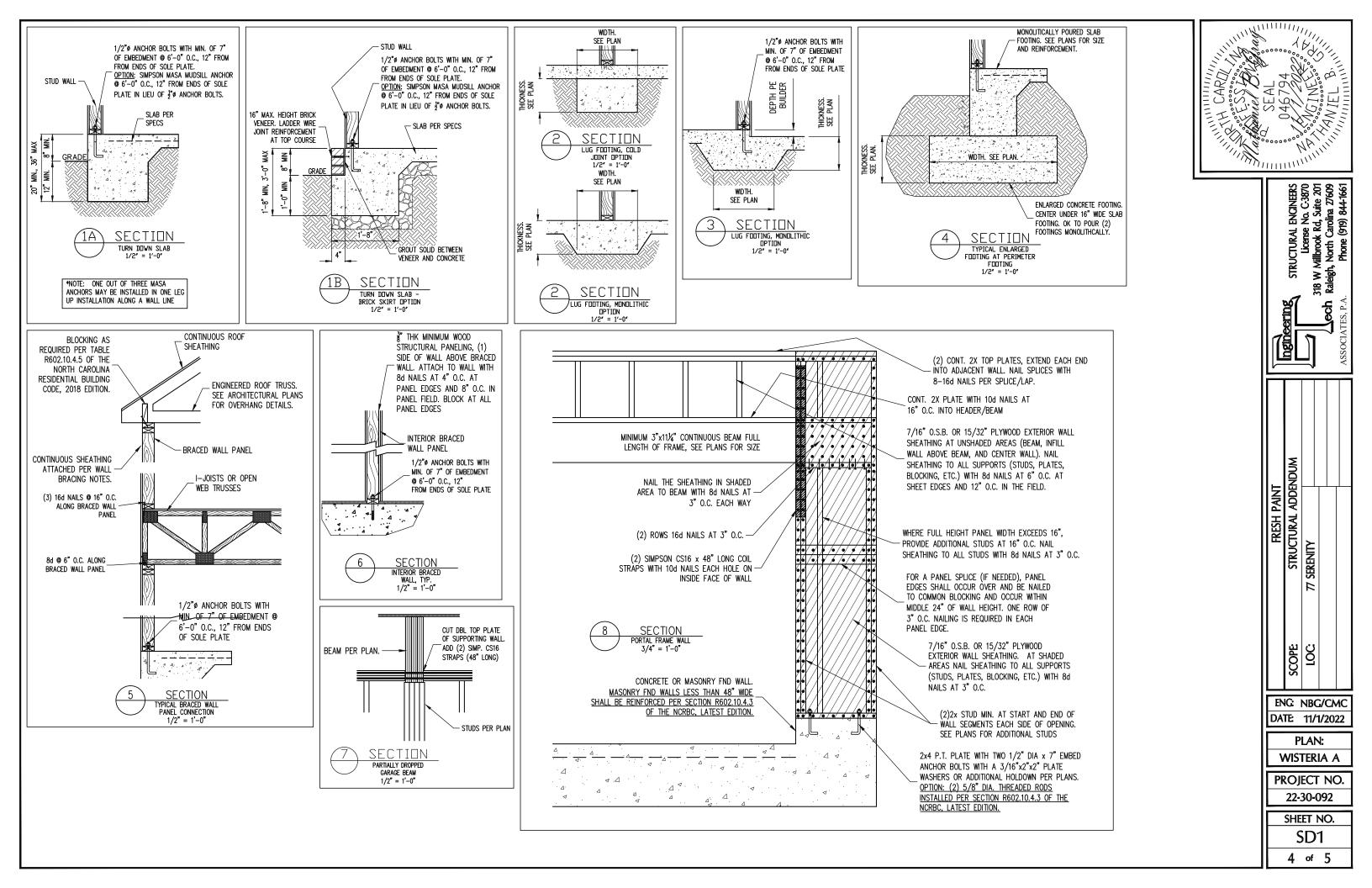
2ND FLOOR FRAMING PLAN WALK UP ATTIC OPTION ELEVATION A WALLS AND CELLIN 1/8" = 1-4

	CARDINIC CARDININI, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
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NSIONS SHOWN SHALL GOVERN OVER SCALE ON THESE DRAWINGS. HOS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF RE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION. L2: DESIGN LOADS GN LOADS SHALL CONFORM WITH THE TABLE BELOW: USE LIVE LOAD (PSF) DEAD LOAD (PSF) D STAIR ACCESS, STATES, ARE ESCAPES 10: D STAIR ACCESS, STATES, RE ESCAPES 10: D STATE ACCESS, STATES, RE E	(3) PLY LVL (3) PLY LVL (5) P
ATTICS (WITH STORAGE) 20 0 ROOF 20 10 (IS FOR VALUES) ROOF 20 10 (IS FOR VALUES) NUMBER JAN 20 PS, TE = 800 PS LOU VO PS, TF = 400 PS, TE = 800 PS LOU VO PS, TF = 400 PS, TE = 800 PS LOU VO PS, TF = 800 PS LOU PS = 800 PS LOU VO PS (TF = 800 PS LOU PS = 800 PS LOU VO PS (TF = 800 PS LOU PS = 800 PS LOU PS = 800 PS LOU PS = 800 PS LOU VO PS (TF = 800 PS LOU PS = 800 PS LO	LY 20° LVL 2'' = 1'-0'' THR 2'' = 1'-0'' Q E A B BUILI A BUILI A BUILI A BUILI A B A A B A B B A A B B A A A B B A A A A A A B B A
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