

CLEAR CONSTRUCTION GROUP

SCOPE OF WORK:

NEW CONSTRUCTION OF A 3330 4 BEDROOM, 3.5 BATHROOM HOUSE



DOCUMENT USAGE:

1. THIS DRAWING IS THE PROPERTY OF REALM DESIGN LLC AND IS NOT TO BE REPRODUCED OR USED WITHOUT CONSENT. THEY ARE INTENDED TO BE USED ONLY FOR THE PROPERTY IDENTIFIED IN THE PLANS UNLESS GIVEN WRITTEN PERMISSION FROM REALM DESIGN LLC.

ENERGY/INSULATION NOTES:

PROPOSED FIRST FLOOR
HEATED SPACE: 1900 SQFT
PROPOSED SECOND FLOOR
HEATED SPACE: 1430 SQFT
TOTAL HEATED SPACE: 3330 SQFT
GARAGE: 426 SQFT
REAR PORCH: 256 SQFT
FRONT PORCH: 46 SQFT
BUILDING FOOTPRINT: 2725 SQFT

CEILING: BLOWN IN R-38 OR BETTER, BATTS R-38 FOR ALL RAFTER CEILINGS
WALLS: R-15 OR BETTER
FLOOR: R-19 OR BETTER

WINDOW SPECIFICATIONS:
U-FACTOR .35 SHGC .29 OR BETTER

TOTAL UNHEATED SPACE: 728 SQFT

CONSTRUCTION NOTES:

1. CEILING HEIGHT: 9' FIRST, 9' SECOND
2. WALLS: 2X4 CONSTRUCTION @ 16" O.C. FOR ALL LOADBEARING AND 24" O.C. FOR ALL NON LOAD-BEARING
3. 1/2" DRYWALL FOR INTERIOR WALL COVERINGS
4. 1/2" ZIP SHEETS WITH TAPED SEAMS FOR EXTERIOR WALL COVERINGS
5. WALL BRACING: PER NCSRC-2018 SECTION R602.10
CS-WSP: CONTINUOUS SHEATING W/ 1-8D NAILS @ 6" O.C. @ EDGES, 12" @ FIELD
6. JAMES HARDIE FIBER CEMENT SIDING
7. GRADE AROUND BUILDING TO HAVE POSITIVE DRAINAGE AWAY FROM HOUSE ON ALL SIDES
8. ALL WOOD FRAMING IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED
9. ALL WINDOW SIZES ARE CALL SIZES UNLESS OTHERWISE SPECIFIED. CONTRACTOR TO COMMUNICATE ROUGH OPENING SIZES WITH FRAMER PRIOR TO CONSTRUCTION.
10. SCALES ON THIS DOCUMENT ARE TRUE ONLY WHEN PRINTED ON ARCH D PAPER SIZE (24" X 36")

GENERAL NOTES:

1. ALL NEW CONSTRUCTION TO COMPLY WITH 2018 NC RESIDENTIAL CODE AND ALL APPLICABLE STATE AND INTERNATIONAL ORDINANCES FOR CONSTRUCTION, PLUMBING, ELECTRICAL, AND MECHANICAL WORK.
2. A REGISTERED LAND SURVEYOR MUST BE EMPLOYED FOR THE LOCATION AND PLACEMENT OF STRUCTURE IN RELATION TO PROPERTY LINES, SETBACKS, AND OTHER STRUCTURES.
3. PLAN DIMENSIONS ARE TO FACE OF FRAMING OR FACE OF FOUNDATION.
4. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR THE CONTRACTOR TO CHECK STATE AND LOCAL BUILDING CODES FOR COMPLIANCE.
5. ANY DISCREPANCIES FOUND IN THESE DRAWINGS TO BE REPORTED TO CHASE BUILDING COMPANY.
6. THESE DRAWINGS ARE DESIGNED TO SHOW CONSTRUCTION INTENT AND BASIC FRAMING DETAILS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW CONSTRUCTION PRACTICES THAT PROVIDE A STRUCTURALLY SOUND AND WEATHERPROOF STRUCTURE.



1908 Mccarthy st.
Raleigh, NC 27608

ADDRESS

1908 MCCARTHY ST.

IT IS THE RESPONSIBILITY OF THE LICENSED GENERAL CONTRACTOR TO FOLLOW ALL STATE AND LOCAL BUILDING CODES. ALL CONDITIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION.

REVIEW ALL STRUCTURAL COMPONENTS WITH LICENSED STRUCTURAL ENGINEER BEFORE CONSTRUCTION.

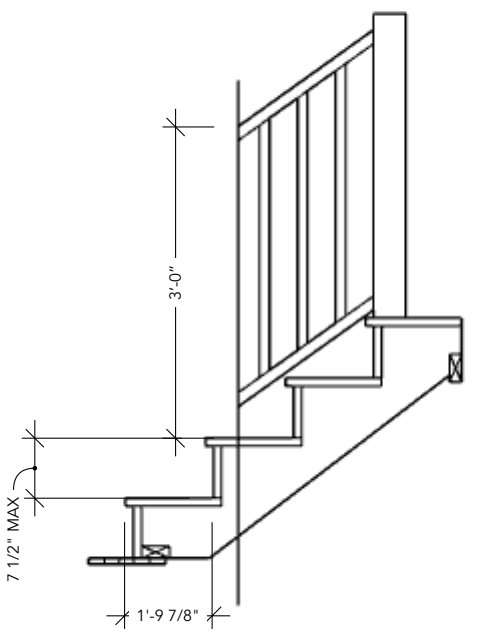
FOOTINGS TO BE DETERMINED BY SITE SOIL CONDITIONS AND ACCEPTABLE PRACTICES OF CONSTRUCTION.

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SHEET NUMBER

STAIR REQUIREMENTS:

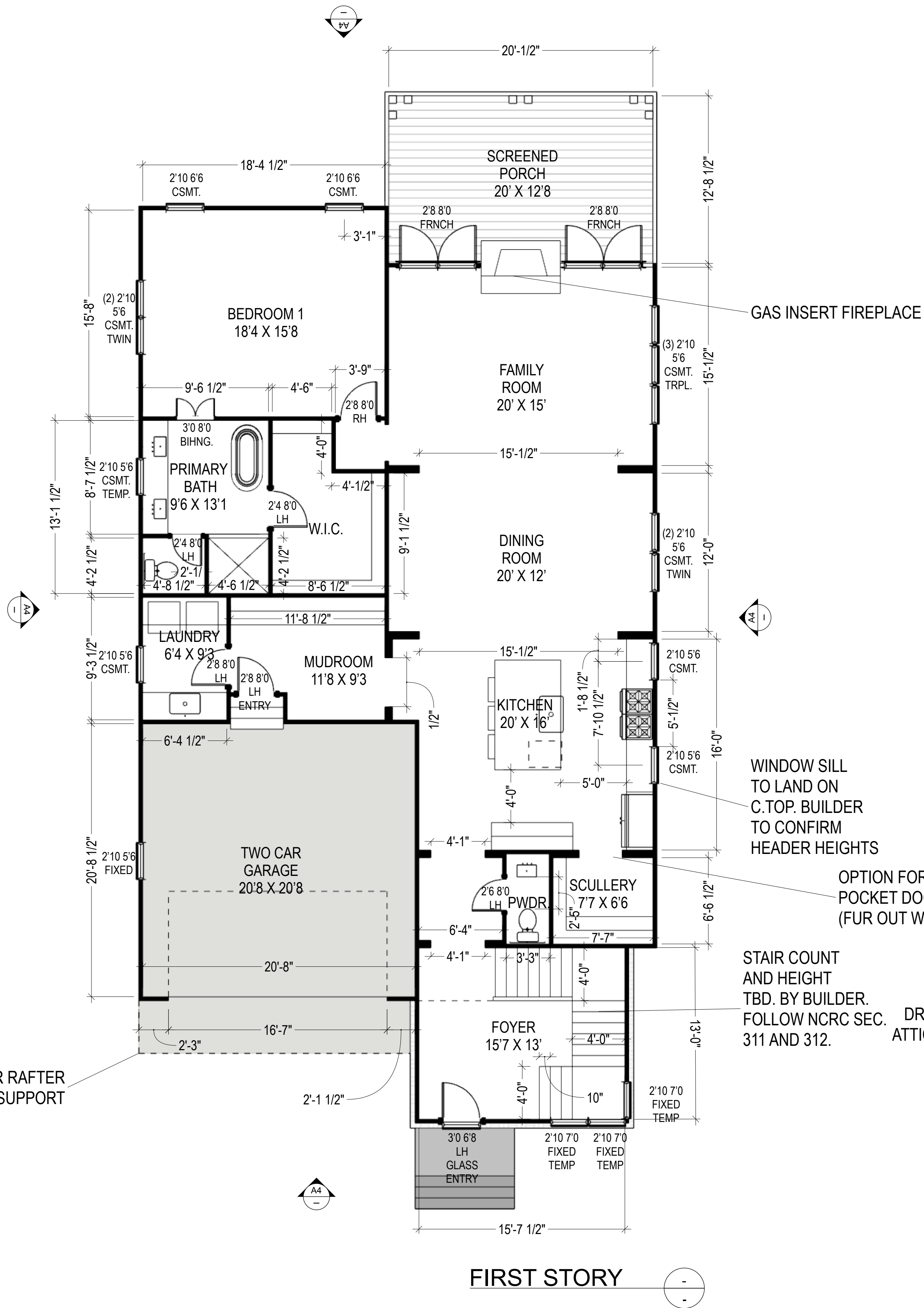
STAIR RISER HEIGHT TO BE BETWEEN 7.25" AND 7.75". STAIR NOSE TO BE 1" STAIR TREAD TO BE BETWEEN 9" AND 12" STAIR RAIL TO BE SET 36" FROM STAIR NOSE STAIR BALUSTERS TO HAVE NO MORE THAN 3.5" SPACE BETWEEN BALUSTERS FOLLOW NCRC SEC. 311 AND 312



THERMAL INSULATION CLIMATE ZONE 4
MAX U-0.35
MAX SHGC-0.30.
ALL INSULATION VALUES ARE MINIMUM VALUES

CEILING R-VALUE 38
WOOD FRAME WALL R-VALUE 15
MASS WALL R-VALUE 13+2.5 5/10
FLOOR R-VALUE 19
BASEMENT WALL R-VALUE 10/13

CANTILEVER RAFTER TAIL SUPPORT



FIRST STORY

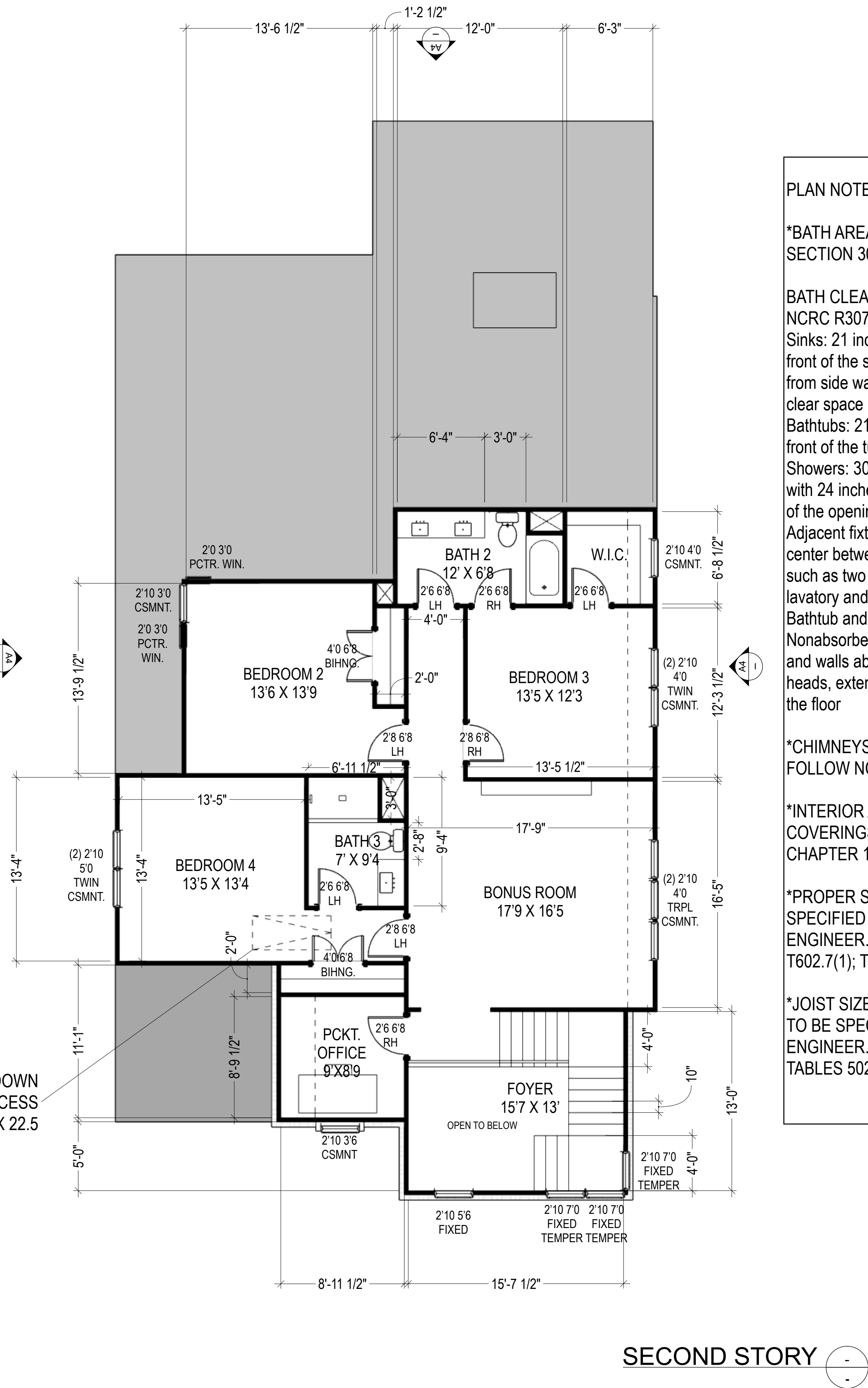
GAS INSERT FIREPLACE

WINDOW SILL TO LAND ON C.TOP. BUILDER TO CONFIRM HEADER HEIGHTS

OPTION FOR POCKET DOOR (FUR OUT WALL)

STAIR COUNT AND HEIGHT TBD. BY BUILDER. FOLLOW NCRC SEC. 311 AND 312.

DROP DOWN ATTIC ACCESS 54 X 22.5



SECOND STORY

PLAN NOTES:

*BATH AREAS TO FOLLOW NCRC SECTION 307 AND 702.4

BATH CLEARANCES TO FOLLOW NCRC R307

Sinks: 21 inches of clear space in front of the sink; Toilets 15 inches min. from side walls to center, 21 inches of clear space in front;

Bathtubs: 21 inches of clear space in front of the tub

Showers: 30 inches square shower, with 24 inches of clear space in front of the opening

Adjacent fixtures: 30 inches center-to-center between adjacent fixtures, such as two lavatories in a vanity or a lavatory and a water closet

Bathtub and shower walls: Nonabsorbent surfaces on the floors and walls above bathtubs with shower heads, extending at least 6 feet above the floor

*CHIMNEYS AND FIREPLACES TO FOLLOW NCRC CHAPTER 10

*INTERIOR AND EXTERIOR WALL COVERINGS TO FOLLOW NCRC CHAPTER 10

*PROPER SIZE GIRDERS TO BE SPECIFIED BY LICENSED ENGINEER. FOLLOW NCRC T602.7(1); T602.7(2); AND T602.7 (3)

*JOIST SIZE, SPACING, AND SPAN TO BE SPECIFIED BY LICENSED ENGINEER. FOLLOW NCRC TABLES 502.3.1(1) AND 502.3.1(2)



IT IS THE RESPONSIBILITY OF THE LICENSED GENERAL CONTRACTOR TO FOLLOW ALL STATE AND LOCAL BUILDING CODES. ALL CONDITIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION. REVIEW ALL STRUCTURAL COMPONENTS WITH LICENSED STRUCTURAL ENGINEER BEFORE CONSTRUCTION. FOOTINGS TO BE DETERMINED BY SITE SOIL CONDITIONS AND ACCEPTABLE PRACTICES OF CONSTRUCTION.

CONTRACTOR NOTES

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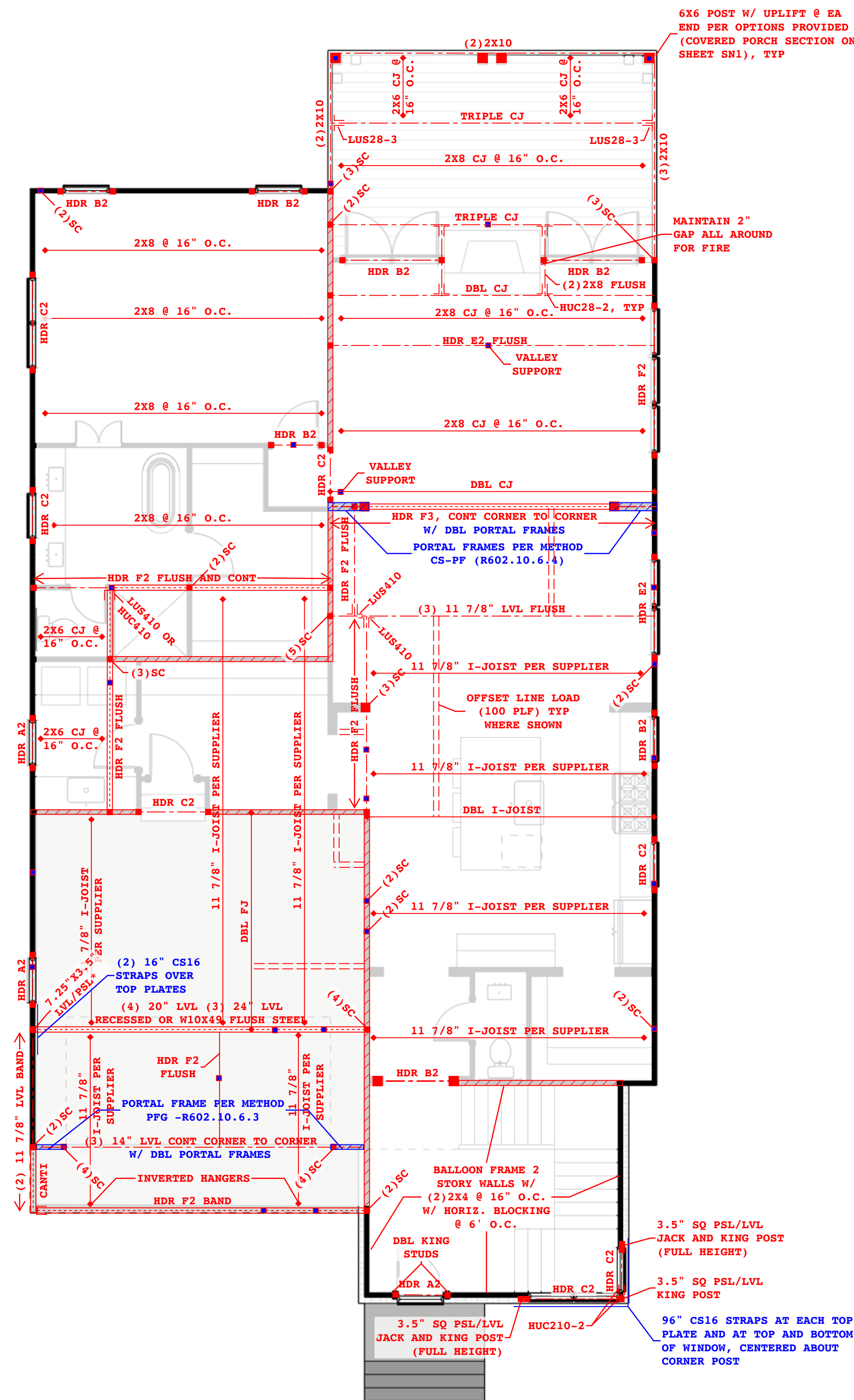
FIRST AND SECOND FLOOR

SCALE: 1/4" = 1'

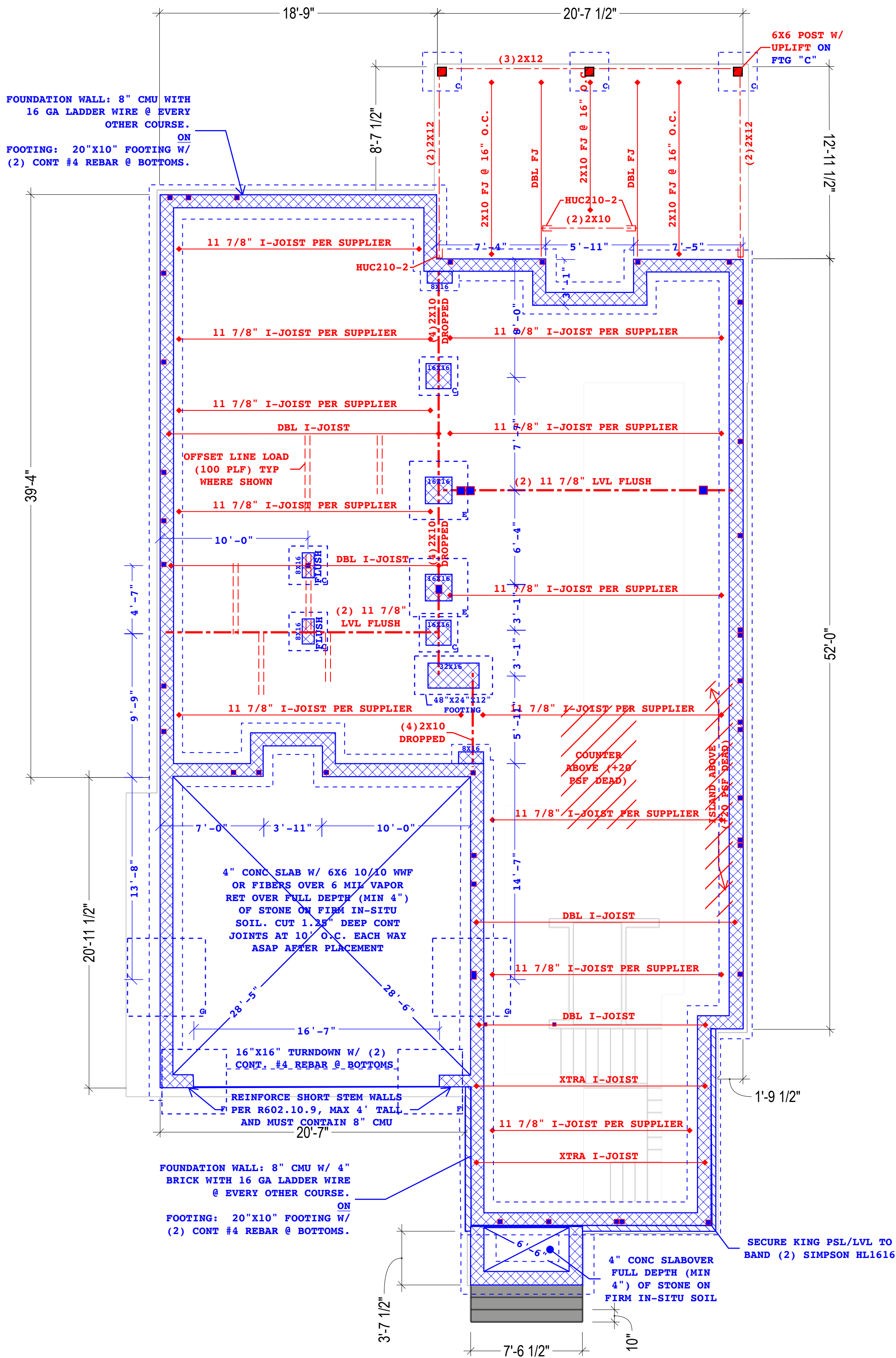
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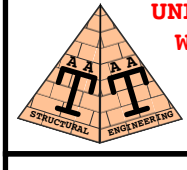
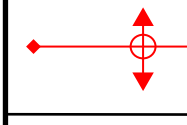
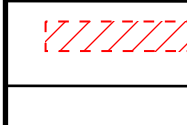
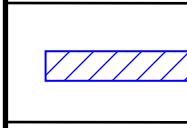
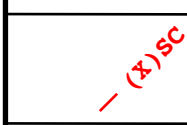
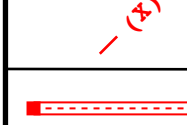
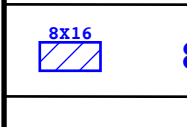
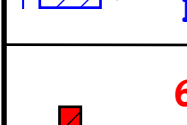
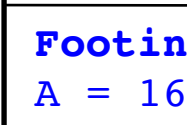
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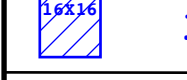
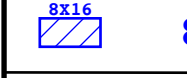
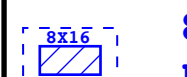
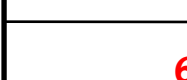
**1ST STORY WALL AND 2ND
STORY FLOOR FRAMING PLAN**
SCALE 3/16" : 1'



**FOUNDATION AND 1ST STORY
FLOOR FRAMING PLAN**
SCALE 3/16" : 1'

	UNLESS OTHERWISE NOTED ALL WORK TO COMPLY WITH CURRENT CODE REFERENCE: NCRC 2024 SEE STRUCTURAL NOTES (SHEET SN) AND STRUCTURAL DETAILS (SHEET SD) FOR ADDITIONAL INFORMATION
	DENOTES ORIENTATION OF REPETITIVE FRAMING MEMBERS
	DENOTES EXTENT OF REPETITIVE FRAMING MEMBERS SCHEDULE (WITHIN EXTENT OF DBL HEADED ARROWS)
	DENOTES LOAD BEARING WALLS
	DENOTES AN OFFSET LOAD BEARING WALLS ABOVE (PLF NOTED)
	DENOTES OFFSET NON-LOAD BEARING WALLS ABOVE (ASSUME 100 PLF UNO)
	DENOTES A SPECIAL SHEAR WALL (INT SHEAR WALL, PORTAL FRAME WALL, GB2 WALL OR LIB WALL)
	DENOTES LOAD POINT FROM ABOVE, PROVIDE SOLID BLOCKING
	DENOTES NUMBER OF SUPPORTING STUDS. SIZE OF STUD SHALL BE TYPICAL TO WALL THEREIN UNO
	DENOTES THAT THE SUPPORTING STUDS SHOULD EXTEND THROUGH THE TOP PLATE, AND/OR PROVIDE DIRECT BEARING TO THE SUPPORTED BEAM
	DENOTES A BEAM WHERE SHEATHING SHOULD BE EXTENDED TO ITS BOTTOM

FOUNDATION LEGEND

	16"x16" CMU PIER
	8"x16" CMU PIER
	8"x16" PILASTER W/ 4" PROJECTION ALL SIDES
	6X6 POST W/ UPLIFT PER OPTIONS ON SN1
Footing Schedule: A = 16"x16"x8" B = 20"x20"x8" C = 24"x24"x10" D = 30"x30"x12" E = 36"x36"x12" F = 40"x40"x12" w/ (3) #4 EW G = 48"x48"x12" w/ (4) #4 EW H = 54"x54"x12" w/ (5) #4 EW *All rebar in footings to have 3' cover from sides, bottoms and other parallel rebar.	

Header Schedule:
A = 2x6 w/ (1) Jack @ EE UON
B = 2x8 w/ (2) Jack @ EE UON
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E = 9 1/4" LVL (3) Js @ EE UON
F = 11 7/8" LVL (3) Js @ EE UON

Jack studs should be same thickness of studs in wall.

Number following letter refers to number of plies of header.
(IE C2 = (2)2X10 with (2) jack studs at each end).

King Stud Schedule: - (R602.7.5):
Minimum # of kings at each end based on width of header for 115 MPH Windzone.
0'-8' = 1
8'-18' = 2

Takla Engineering, PLLC
Consulting Design Efficiency

REALM DESIGN L.L.C.

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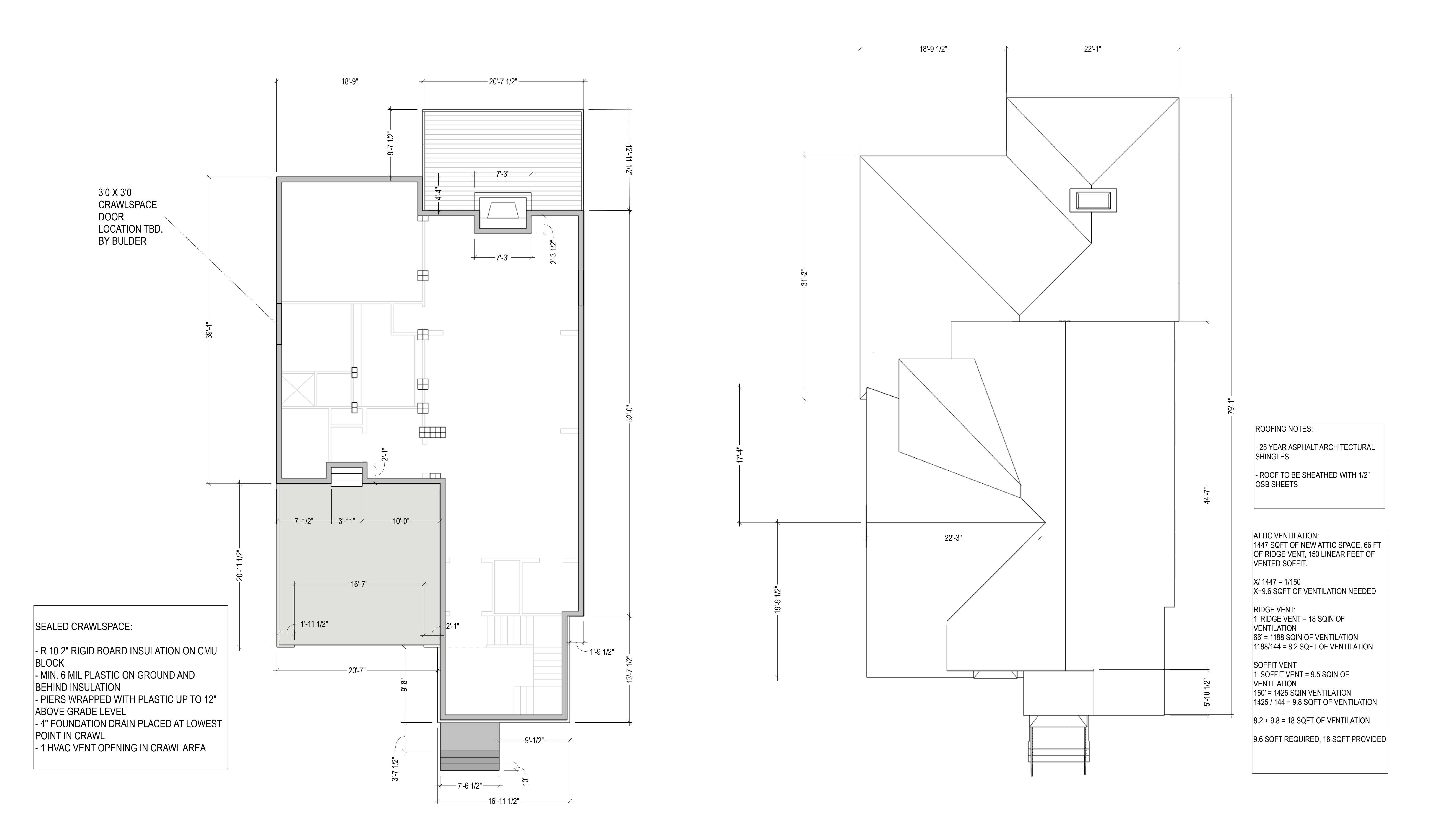
SEALS APPLIES TO STRUCTURAL NOTES ONLY
DRAFTING/ DESIGN BY:

New Single Family
McCarthy St. Lot #1
Raleigh, NC
Clear Construction Group

Job Number:
2-5342-25

S1
OF 2

THIS LINE IS EXACTLY 1 INCH LONG AT THIS SHEET'S ORIGINAL PAGE SIZE



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CONTRACTOR NOTES

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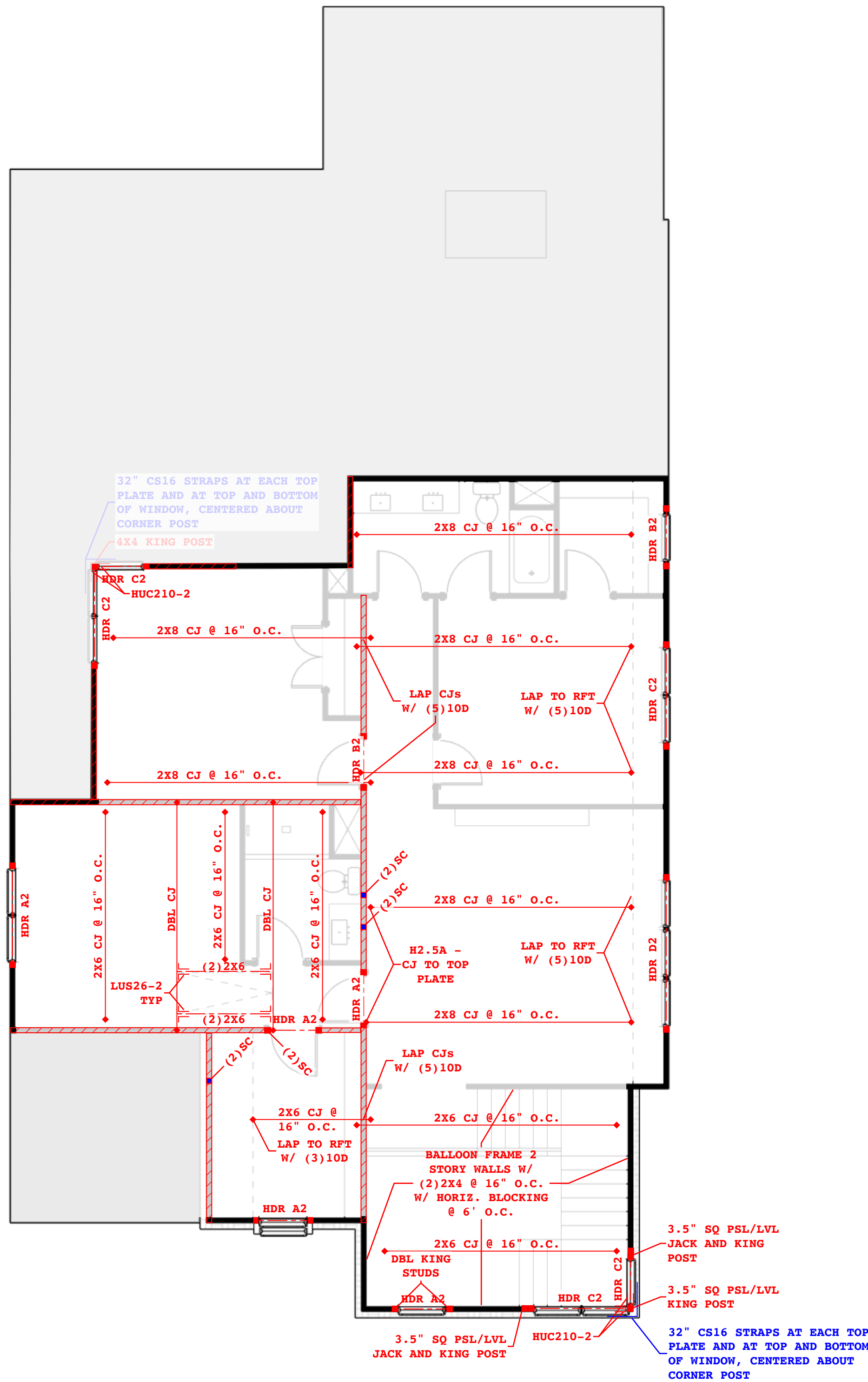
FOUNDATION AND ROOF

SCALE: 1/4" = 1'

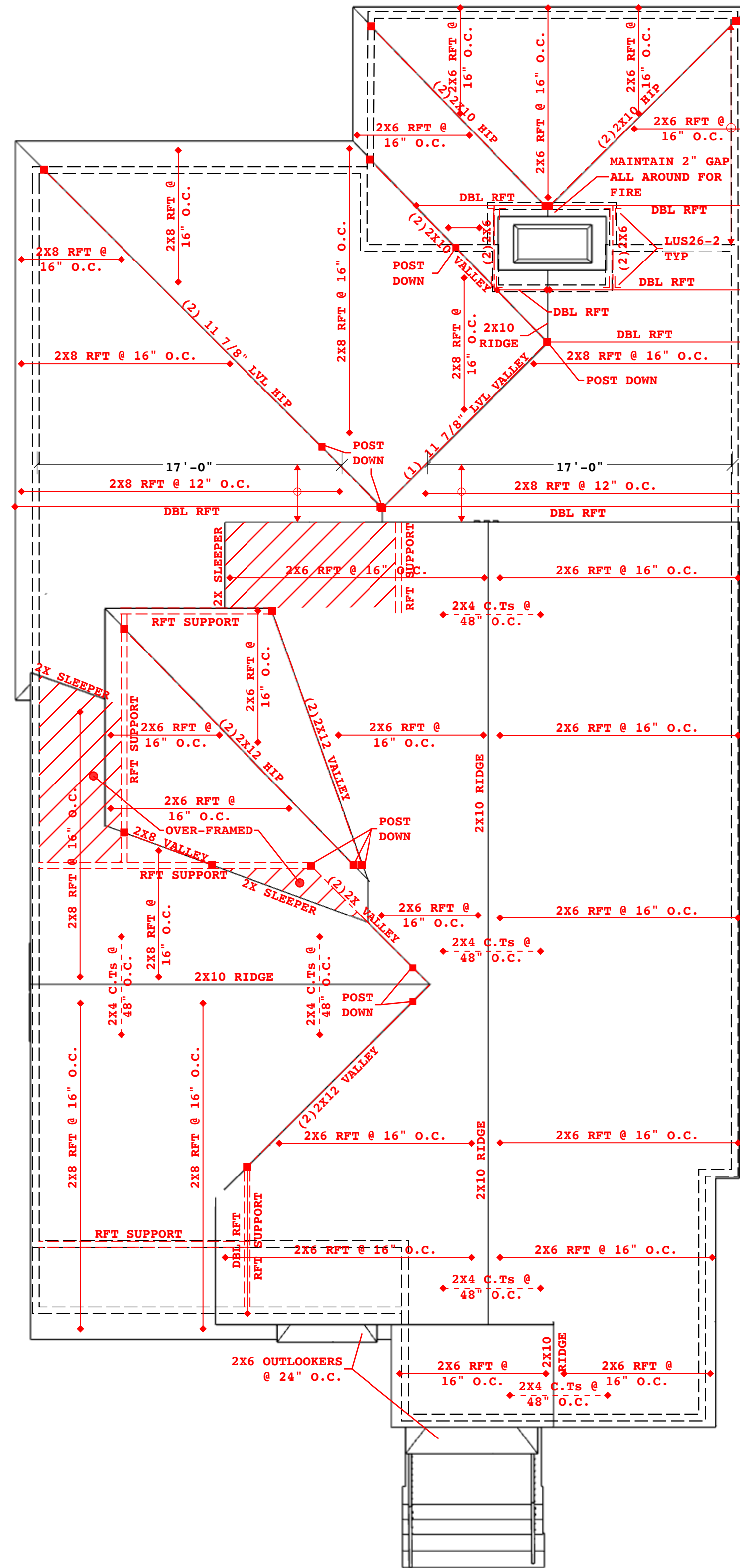
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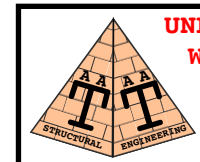
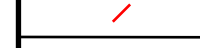
A2



**2ND STORY WALL AND
CEILING FRAMING PLAN**
SCALE 3/16" : 1'



ROOF FRAMING PLAN
SCALE 3/16" : 1'

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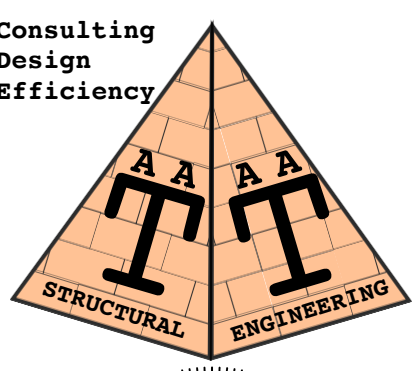
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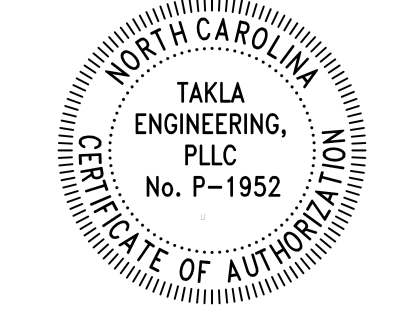
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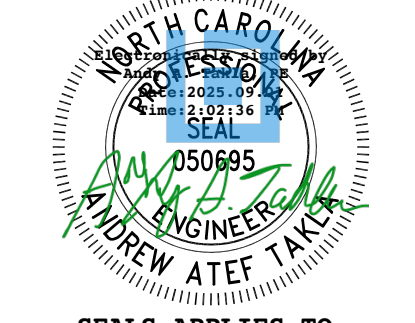
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SEALS APPLIES TO
STRUCTURAL NOTES ONLY

DRAFTING/ DESIGN BY:

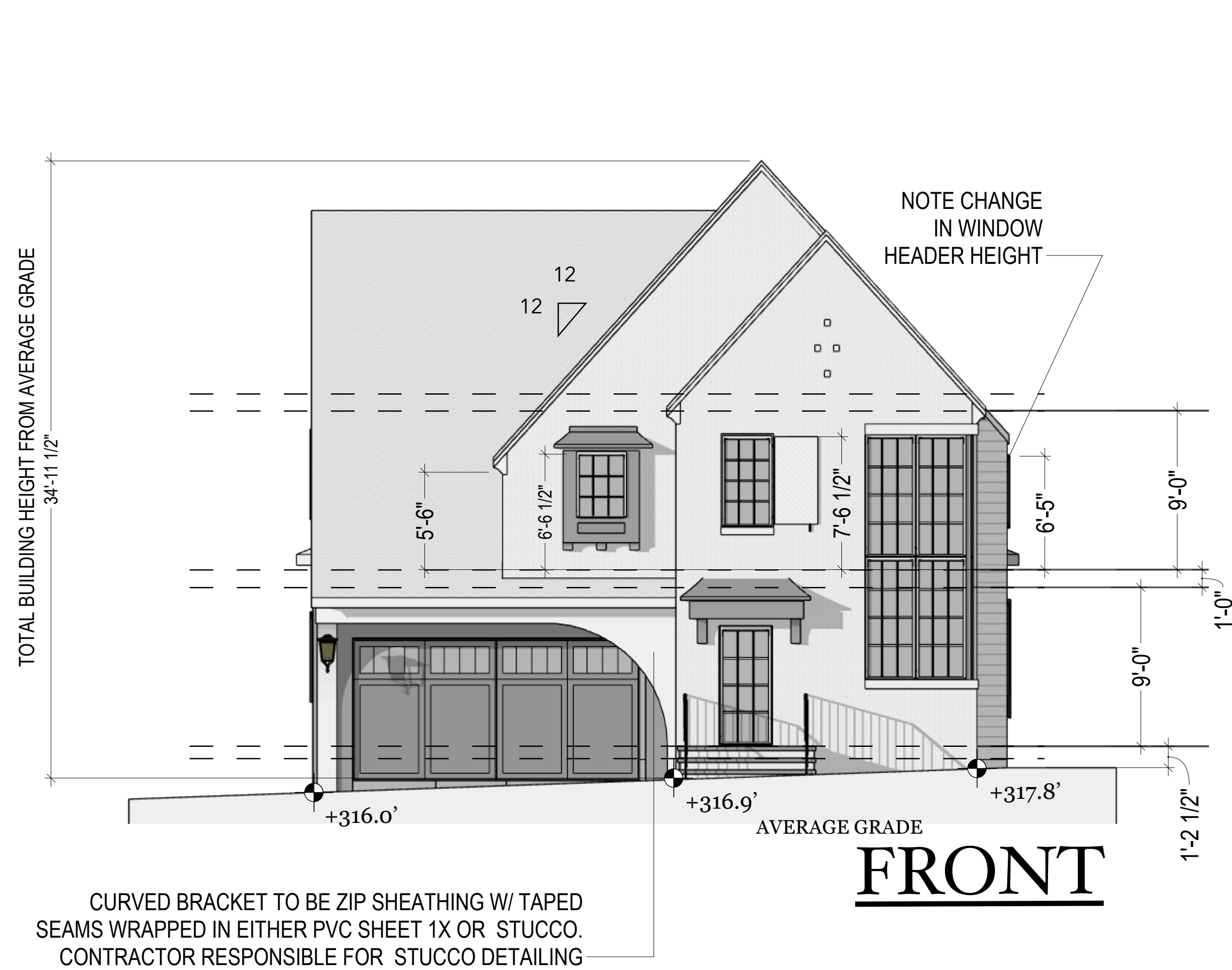


New Single Family
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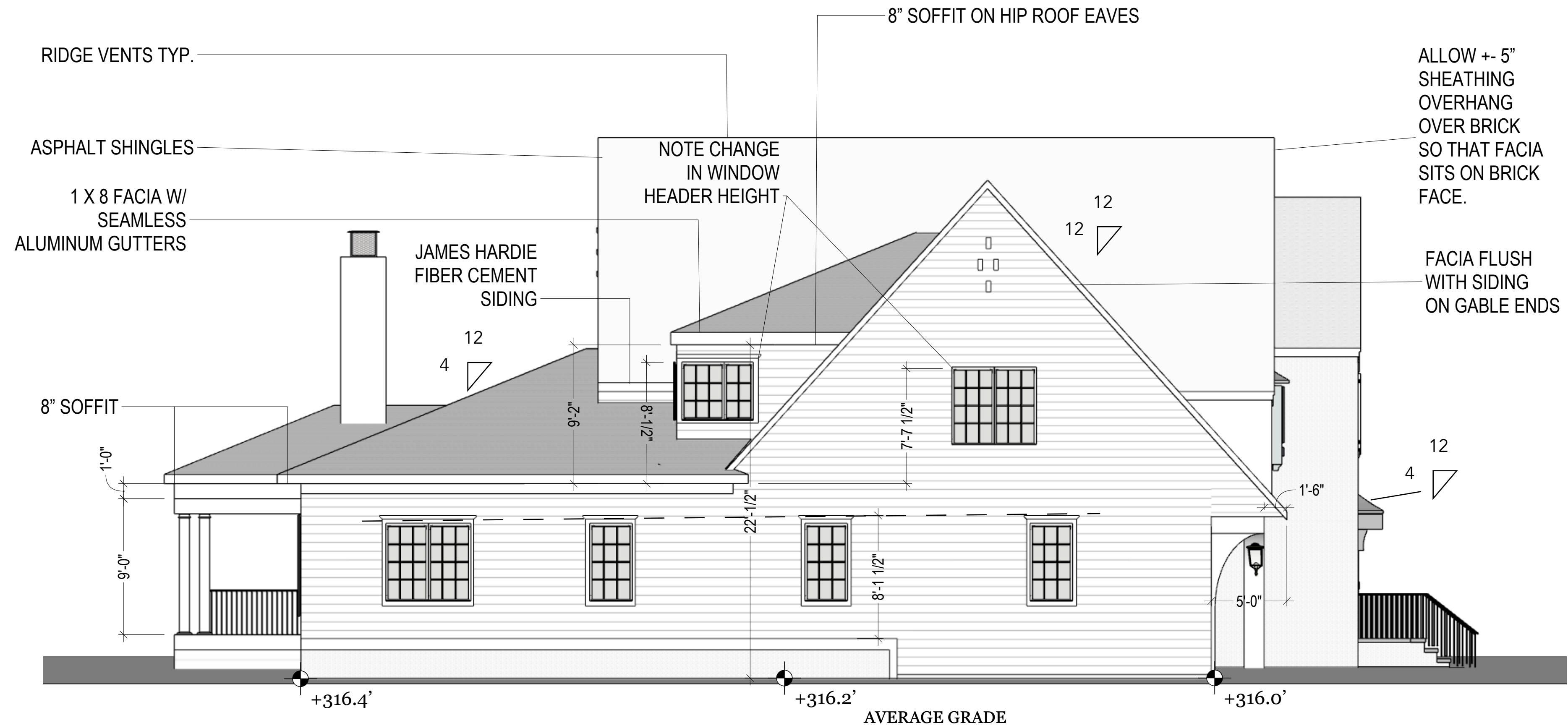
Job Number:
2-5342-25

S3
OF 2

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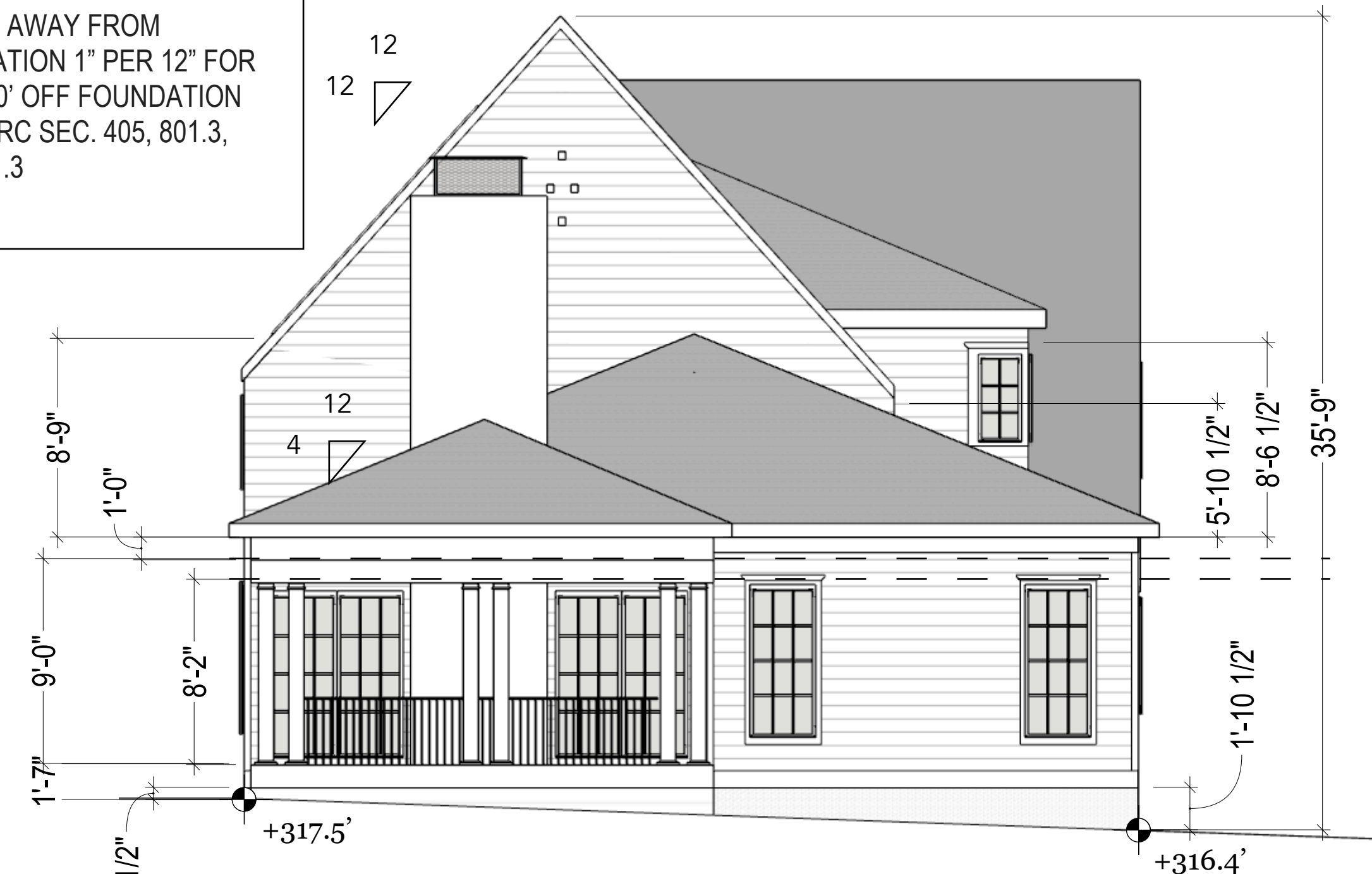
FRONT



LEFT



RIGHT



REAR



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CONTRACTOR NOTES

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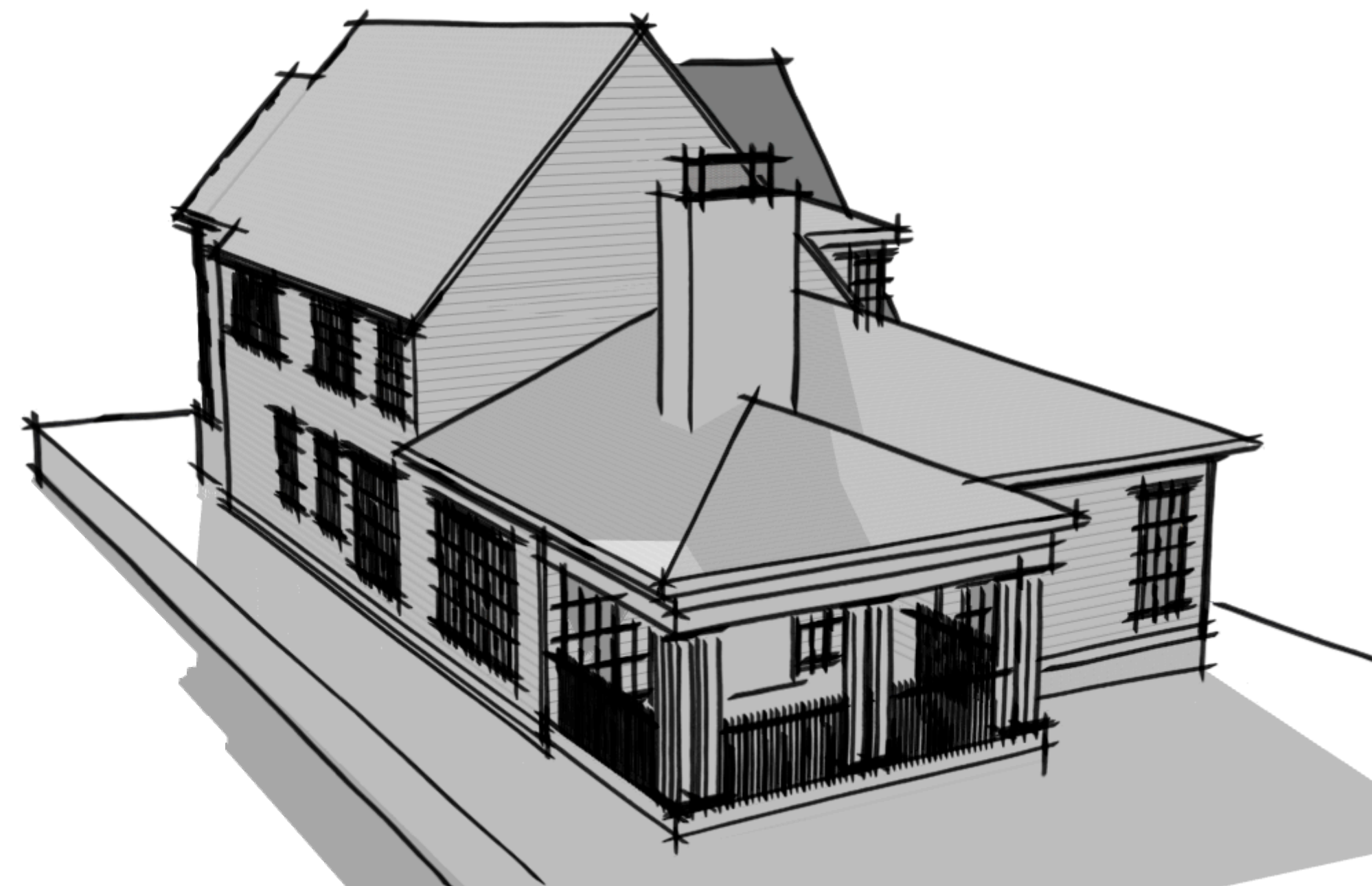
ORTHOGRAPHIC

SCALE: 1/4" = 1'

ADDRESS

SHEET NUMBER

A3



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CONTRACTOR NOTES

PAGE LABEL

PERSPECTIVE

SCALE: 1/4" = 1'

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A4



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CONTRACTOR NOTES

PAGE LABEL

PERSPECTIVE

SCALE: 1/4" = 1'

ADDRESS

A5

SHEET NUMBER

General Notes

General Plan Reading Notes:
1. Engineer's notes are in red, blue or green font for clarity and are in Courier type font. Please print plans in color if possible.
2. With regards to structural information, these notes shall take precedence over any other structural information in black.
3. Red check marks, if present, indicate structural information which as been reviewed and approved by engineer.
4. Shown dimension lines shall take precedence.
5. All dimensions shall be verified by the contractor in the field.
6. Global dimensions for foundation (if applicable) shall defer to architectural sheets and/or survey. Dimensions for interior foundational elements need be accurate to 1 inch.
7. All sheets with Takla Engineering title blocks feature a 1 inch reference line under the sheet number (bottom right hand corner); This indicates the size page the sheet should be printed on to maintain listed scale accurately.

General Construction Notes:
1. All temporary shoring and means & methods of construction are the responsibility of the contractor.
2. All dimensions to be verified by the contractor in the field.
3. Engineer assumes no responsibility for site safety of project delivery.
4. Any questions pertaining to structural components should be brought to the attention of the engineer prior to proceeding with any work. Engineer is not liable for any potential rework or costs incurred by failure to present such questions. Lastly, Engineer shall be given first opportunity but shall not be required to amend any discovered discrepancies.

Design Loads:			
Meet or exceeds minimum per NCRC 2024			
	Live	Dead	Deflection
All Indoor Floors	40	10	L/360
Attic Platforms	25	10	L/360
Construction Live	20		L/360
Decks/Porches	50	10	L/240
Roof	20	10	L/240
Windload	115(MPH)		L/240

Abbreviations:	
CONC	Concrete
CONT.	Continuous
C.J	Ceiling Joists
CMU	Conc Masonry Unit
CS-WSP	Sheathing per R602.10.3
DIA	Diameter
DBL	Double
EQ	Equal
EA END	Each End
FJ	Floor Joist
FND	Foundation
FT	Floor Truss
FTG	Footing
HGR	Hanger
HD	Holddowns
LBW	Load Bearing Wall
MANUF	Manufacturer
NTS	Not To Scale
O.C.	On Center
O.F.	Over-framed (roof)
PF	Portal Frame
PL	Point Load
P.T.	Pressure Treated
R.T.	Roof Truss
SC	Stud Column
SIM	Similar
SUP	Supplier
TYP	Typical
UON	Unless Otherwise Noted
UNBAL	Unbalanced (Fill)

Limitations of Liability: Engineering services in this report follow standard structural engineering practice and the North Carolina Residential Code (2024 Edition). Conclusions and recommendations are based solely on site conditions observed at the time of evaluation and are limited by the agreed scope, schedule, and budget. This report excludes any responsibility for construction sequencing, shoring, or means and methods. Evaluations are limited to visible and accessible elements; no destructive testing or inspection of concealed components was performed. No guarantees or warranties, express or implied, are provided in connection with these services. Takla Engineering relies on the accuracy of information provided by others and assumes no liability for conclusions based on incomplete, inaccurate, or misleading input. Reasonable efforts were made to ensure accuracy. However, the potential for human error and the limitations of non-invasive inspection must be acknowledged. Takla Engineering's maximum liability—whether from contract, tort, or otherwise—is limited to the total fees paid for services under this agreement, barring gross negligence. By accepting, referencing, or using this report, the recipient agrees to all terms, limitations, and conditions set forth herein, barring gross negligence by Takla Engineering.

Standard Schedules

Footing Schedule:

A = 16"x16"x8"
B = 20"x20"x8"
C = 24"x24"x10"
D = 30"x30"x12"
E = 36"x36"x12"
F = 40"x40"x12" w/ (3) #4 EW
G = 48"x48"x12" w/ (4) #4 EW
*All rebar in footings to have 3" cover from sides, bottoms and other parallel rebar.

Header Schedule:

A = 2x6 w/ (1) Jack @ EE UON
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E = 9 1/4" LVL (3) Js @ EE UON
F = 11 7/8" LVL (3) Js @ EE UON

Jack studs should be same thickness of studs in wall although thickness of header may be less than header of wall; Single ply headers are only permitted in 2x4 thick walls.

Number following letter refers to number of plys of header. (1E C2 = (2)2X10 with (2) jack studs at each end).

King Stud Schedule: - (R602.7.5): Minimum # of kings at each end based on width of header. (R602.7.5):

115 MPH Windzone
0'-8" = 1
8'-18" = 2
>140 MPH Windzone
0'-4" = 1 8'-14" = 3
4'-8" = 2 14'-18"= 4

Minimum Exterior and Bearing Wall Stud Schedule:

Height	Studs Supporting		
	Roof	1 Story	2 Stories
10'	2x4 @ 24"	2x4 @ 16"	2x4 @ 12" 2x6 @ 16"
11'	2x4 @ 16"	2x4 @ 12"	2x6 @ 12"
12'	2x4 @ 12" 2x6 @ 16"	2x6 @ 12"	(2)2x6 @ 16"

See Table R602.3(5)&(6) for additional options, windzones, and non-bearing walls.

Lintel Schedule for Brick/Natural Stone Veneer:

Lenth (ft)	Size
Up to 4	L 3.5 x 3.5 x 5/16
4-8	L 5 x 3.5 x 5/16 LLV
Over 8	L 6 x 4x 5/16 LLV

Notes:

1. Provide at least 3" bearing on brick at each end.
2. Headers 8' or longer, attach to header w/ 1/2" dia thru bolts or 3" long lag bolts @ 12" o.c. staggered (for up to 16' of brick above) or 24" o.c. (for 4' or less above)
3. For all brick support @ roof lines, fasten (2)2x10 blocking between studs supported with 2x4 blocking at each end. Fasten 6"x4"x5/16" angle to (2)2x10 blocking w/ (2) 1/2" lag screws per stud bay. See Section R703.8.2.1 (NCRC 2018) for additional reference.

Foundation Notes:

1. For any reference not specifically included here-in, foundation requirements set forth in Chapter 4 of the NCRC 2024 shall apply.
2. Assumed and minimum soil load bearing capacity is 2000 PSF.
3. Minimum 28 day f'c of concrete is 3000 PSI.
4. "Tie-In"s shall be (2) 16" long #4 epoxy bonded dowels embedded 6" into existing footings at mid-depth. If no footing exists, Tie-in to the lowest course of foundation wall.
5. Install anchor bolts per R403.1.6.
6. Unless otherwise noted, all slabs shall be a minimum 4" thick, 3000 psi concrete slab on minimum 4" of aggregate sub-base. If slab is used in an interior or garage application, install 6 mil vapor retarder and 10/10 6x6 welded wire fabric.
7. All raised slabs shall be on over full depth self consolidating structural fill (stone) (typically at porches, garages and stem wall slabs).
8. The max unreinforced, unbalanced condition of any CMU wall shall be in accordance with Table R404.1.1(1).
9. Any masonry wall subjected to over 4' unbalanced shall be reinforced, laterally braced at top, or both. If site conditions will present such conditions contact engineer prior to placing footings.
10. Top course of all foundation walls and piers shall have solid caps.
11. All piers shall be in the middle 1/3rd of the footing. Min 2" footing projection at each side. The maximum projection shall be the depth of the footing.
12. The maximum above grade height of any pier shall be limited to 10x its least horizontal dimension.

Floor Framing Notes:

1. For any reference not specifically included here-in, floor framing requirements set forth in Chapter 5 of the NCRC 2024 shall apply.
2. Floor joist size and spacing are based on SYP #2 or SPF #2 or better except exterior wood deck joists which shall be P.T. SYP No.2.
3. LVL beams, girders or joists shall be 1.75" wide per ply;(Fb)= 2600 psi, E = 2,000,000 PSI
4. Any I-Joists, floor trusses or EWP floor framing, if applicable in these plans shall be designed, specified and provided by others, and installed per the manufacturer's guidelines.
5. Any Structural steel noted in these plans shall be ASTM A-36; Fy= 36 KSI; with any welds material shall being 70 KSI material. All welds shall be installed by an experience and certified welder.
6. All side loaded steel beams should be packed out with double 2x material and bolted thru webs with 1/2" diameter bolts at 24" o.c. staggered. Detail will be provided on this page.
7. Typically, interior load bearing walls (LBW) are shown hatched in red. All exterior walls are assumed load bearing and may not be hatched.
8. Beams of 3 ply or more with any side loaded members shall be fastened with 1/2" diameter bolts at 24" o.c. staggered w/ 2" min edge distance from top/bottom edge. Lag type / structural screw fasteners may be permitted provided length, spacing and row are suitable for the number of ply and loading on the beam. 2 ply LVLS shall be fastened with 10d nails at 12" on center driven from both faces; Rows shall be evenly spaced at 4 inches on center along depth of beam.
9. All beam bearings shall be no less than 3". All other bearing to be 2" min.
10. Recommend doubling all joists under parallel walls above; Engineer has made every attempt to specifically show these on plans.
11. All hangers shall be standard, appropriately sized face mounted UON. High capacity hangers will be designated or load rated on plans; Consult Simpson catalog or local supplier for additional information and options. Install all hardware per manufacturer guidelines.

Lateral Bracing:

1. Unless otherwise noted, lateral bracing is found sufficient and compliant with minimum requirements set forth in NCRC 2024 Table R602.10.3(1) provided all exterior walls are sheathed at all sheathable exterior surfaces per CS-WSP, R602.10.4 which includes 7/16" OSB w/ (1)8d nail at 6" o.c. edge and 12" o.c. field with 1/2" gypsum on interior faces. Any additional requirements will be specifically dictated on the plans.
2. Any noted portal frame methods including PF-H, PF-G, or CS-PF, shall be compliant with R602.10.6.2, R602.10.6.3, or R602.10.6.4 respectively. Code referenced details can be found on this page.
3. All locations noted with "800# HD" shall be 800 lbs min capacity. Many specific holddowns are available, builder may select a model that fits the geometry of the application. See detailed labeled "800# holdddown with strapping" on this page for reference.
4. Interior shear walls noted as CB shall be fastened in accordance with R702.3.5

Notes by Structural System

Wall Framing Notes:

1. For any reference not specifically included here-in, floor framing requirements set forth in Chapter 6 of the NCRC 2024 shall apply.
2. All dimensional lumber to be SYP or SPF No.2 or better.
3. Studs schedule shall be compliant with the table labeled : "Min Exterior and Bearing Wall Stud Schedule" found on this page.
4. King and jack studs shall be complaint with either header schedule or king stud schedule found on this page.
5. All exterior and interior bearing walls shall have double top plates per R602.2.3.2. Single top plates at non-bearing interior walls may be permitted per the same section.
6. Balloon frame all gable end walls at vaulted ceilings with studs spaced at 12" on center. Also, add one additional king stud above the king stud schedule found on this page, at each end to any opening in these walls.
7. If single member headers are installed, a flat 2x plate shall be installed directly above and below header.
8. Point loads from above (shown as blue squares) will shown on walls; no additional stud columns in the wall are required under point load unless specifically denoted on the plans.

Roof Framing Notes:

1. For any reference not specifically included here-in, roof requirements set forth in Chapter 8 of the NCRC 2024 shall apply.
2. All dimensional lumber to be SYP or SPF No.2 or better.
3. Sheath with 7/16" OSB w/ 8d nails at 6" o.c. edge and 12" o.c. field.
4. Maximum height of rafter ties without requirement of a structural ridge is 1/3rd height of rafter measured from the eave up.
5. Secure rafter ties or ceiling joists per table NCRC 2024 Table R802.5.2(1).
6. Roof trusses, if applicable in these plans, shall be designed, specified and provided by others, and installed per the manufacturer's guidelines.
7. Structural ridges must be installed for stick framed roofs with a pitch of 3/12 or less, or where ceiling joists or rafters ties are not lapped to rafters. When structural ridges are specified, builder shall install either 2x4 collar ties per R802.4.6, 24" long CS16 ridge strapping, (2)H2.5a, or (2)L30 (or similar) clips to every other set of opposing rafters to ridge.
8. Where dormers are applicable in these plans, build dormer walls atop double/triple rafters and extend sheathing to bottom of rafters.
9. Areas noted as "Post Down" shall be supported by minimum (2)2x4 to the next load bearing component downward UNO. Post down studs may be skewed as required not to exceed 15 degrees.
10. At shed roofs supported at an exterior house wall, provide a 2x band of one nominal size greater than the rafters and fasten to each wall stud with at least (3) 10d nails. Hanger, ledger, or clip rafters to band.
11. "2x Sleepers" noted at over-framed areas should be of adequate width to provide bearing to 75% of the over-framed rafter's beveled cut edge.

PORCH AND DECK SPECIFIC

Foundation Notes:

1. For any reference not specifically included here-in, deck and porch foundation requirements set forth in Chapter 47 and/or Chapter 4 of the NCRC 2024 shall apply.
2. Assumed soil load bearing capacity = 2000 PSF
3. Minimum 28 day f'c of concrete = 3000 PSI
4. Foundations to be built in accordance with NCRC 2024 R4704

Wood Deck Notes:

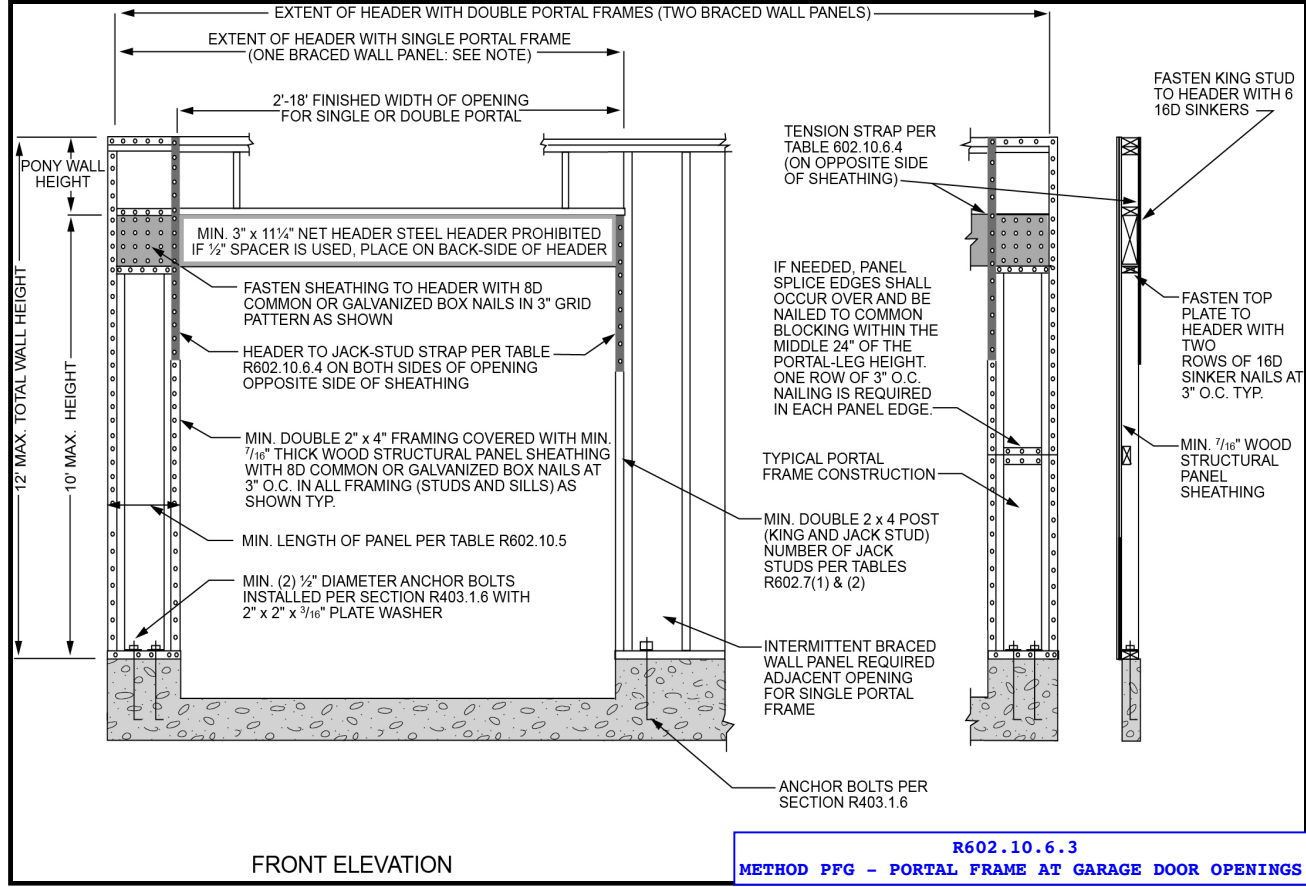
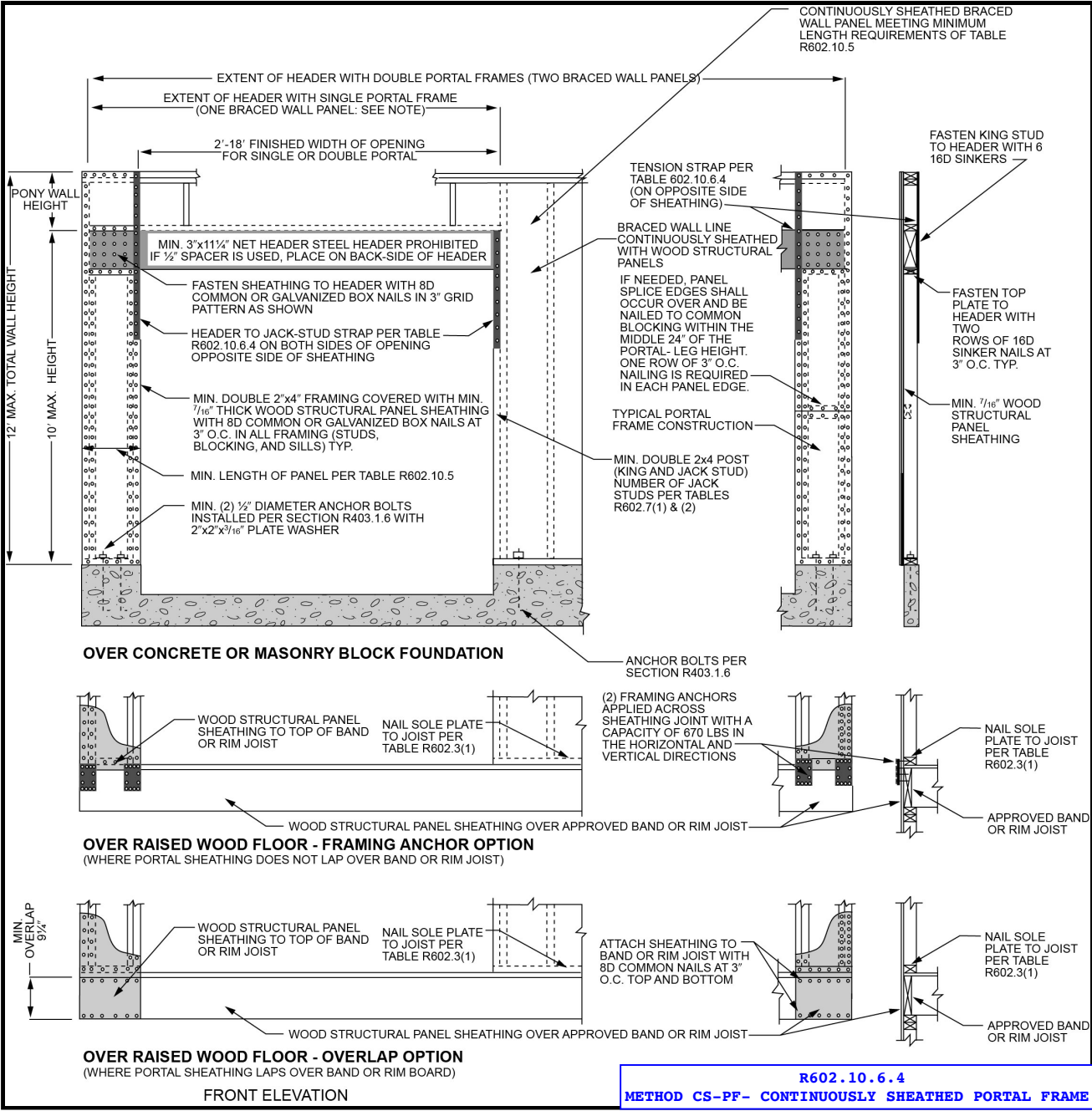
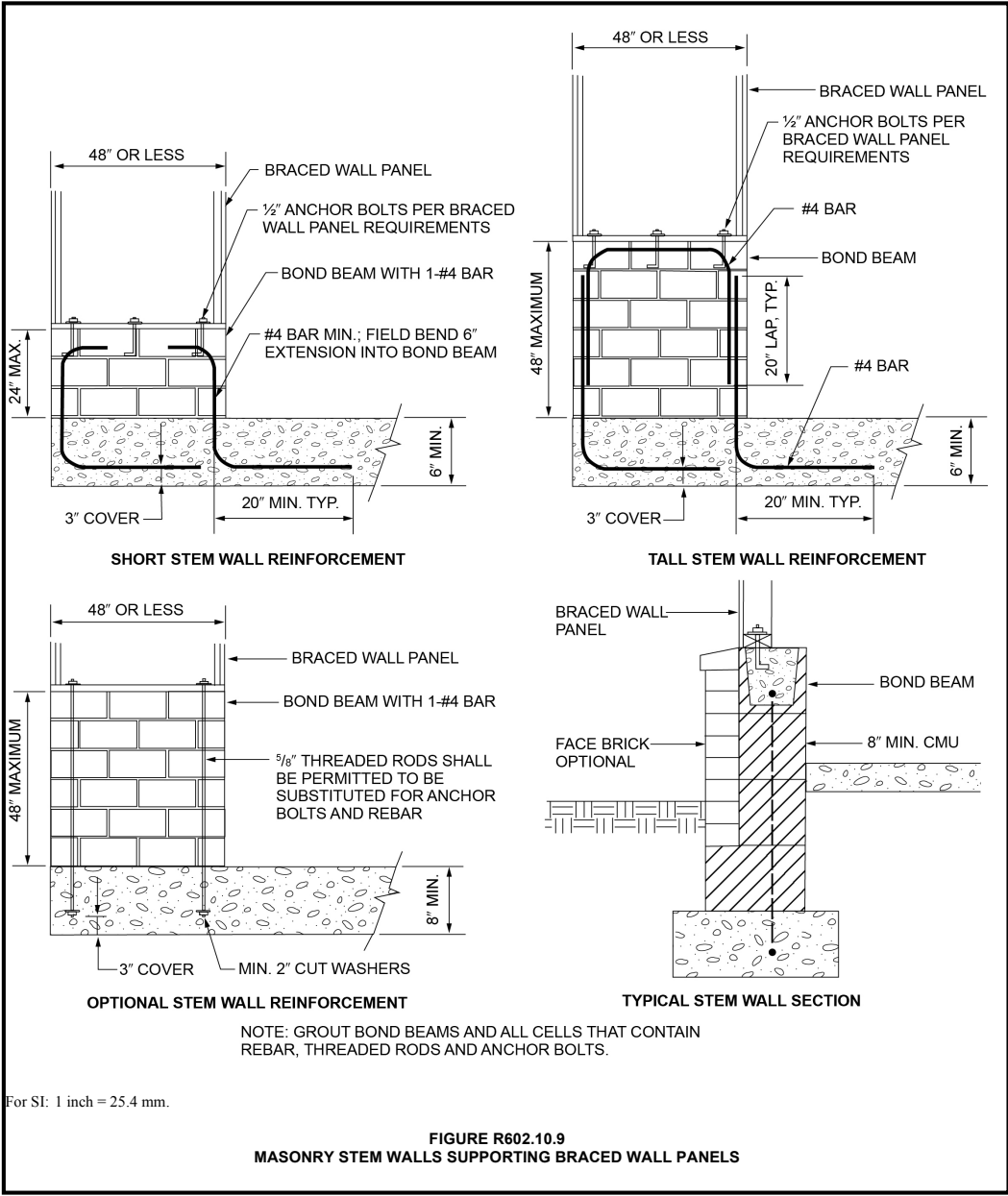
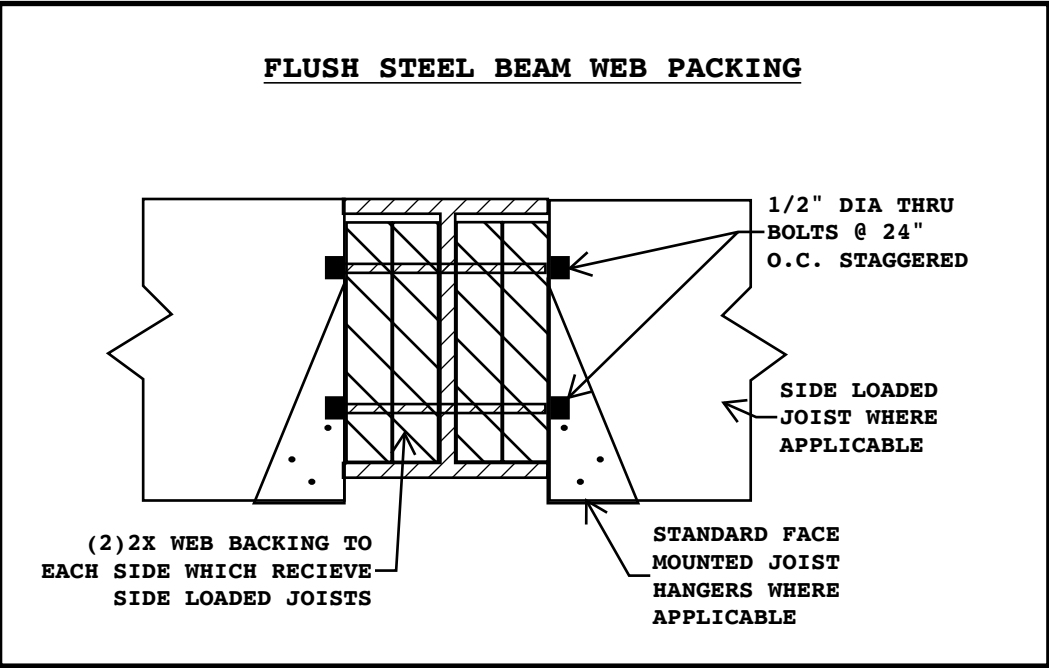
1. For any reference not specifically included here-in, deck framing requirements set forth in Chapter 47 of the NCRC 2024 shall apply.
2. All lumber to be pressure treated SYP No.2 or better.
3. Band attachments to be installed per NCRC 2024, R4707.(1) or structural screws in accordance with manufacturers guidelines.
4. Install lateral bracing or embed posts per R4711.
5. Install handrails per R4713
6. The maximum post Heights per R4705
7. Stair and stringers per R4712
8. Footings that do not directly support roof posts may be solid-precast concrete or CMU block in grade provided size complies with plans and is embedded at least 12" below grade in suitable soil. Posts supporting roof structures shall be cast in place concrete and feature a holddown device or post base.

Screened-In/Covered Porch Notes:

1. Attach posts which is, or directly aligns with a post supporting a roof, to either a footing, slab or CMU pier using either ABU44 or ABU66 post base (or applicable size), (2) Simpson GA2 clips OR Simpson MAB15.
2. Attach all rafters to supporting headers with Simpson H2.5a clips.
3. Uplift for posts where being supported by wood bands/girders, or supporting wood bands/headers, both above and below the walkable level, may be either (2) Simpson LCE4, (2)Simpson GA2 clips or (2) 1/2" diameter, 5" long LedgerLoks driven at a 45° degree angle, with no more than 1 at any one side of the post. Omit additional connection where band, header, or girder is let-in or side mounted per R4708.1(2) or R4708.1(3).

Roof Framing Notes:

1. For any reference not specifically included here-in, roof requirements set forth in Chapter 8 of the NCRC 2024 shall apply.
2. All dimensional lumber to be SYP or SPF No.2 or better.
3. Apply roof sheathing/decking with 7/16" OSB w/ 8d nails at 6" o.c. edge and 12" o.c. field.
4. Structural ridges must be installed for stick framed roofs with a pitch of 3/12 or less, or where ceiling joists or rafters ties are not lapped to rafters. When structural ridges are specified, builder shall install either 2x4 collar ties per R802.4.6, 24" long CS16 ridge strapping, (2)H2.5a, or (2)L30 (or similar) clips to every other set of opposing rafters to ridge.



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STRUCTURAL NOTES ONLY

DRAFTING/ DESIGN BY:

New Single Family
McCarthy St. Lot #1
Raleigh, NC

Clear Construction Group

Job Number:
2-5342-25

SN1
OF 1

THIS LINE IS EXACTLY 1 INCH LONG
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