

BUILDER SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT TIME OF CONSTRUCTION.

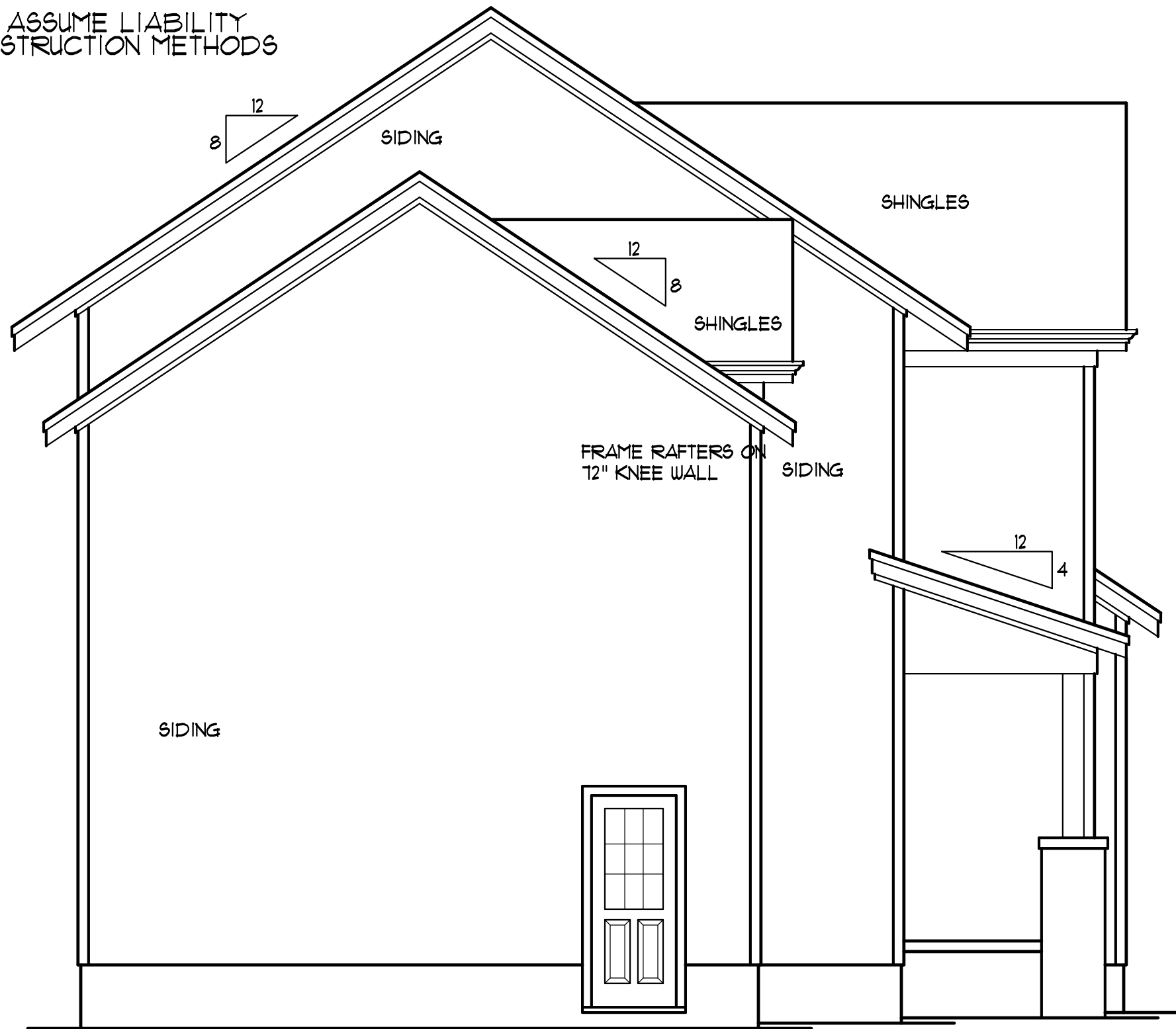
ALL CONSTRUCTION SHALL CONFORM TO THE 2018 EDITION OF THE NC STATE BUILDING CODE.

CODES GOVERN OVER DRAWINGS.

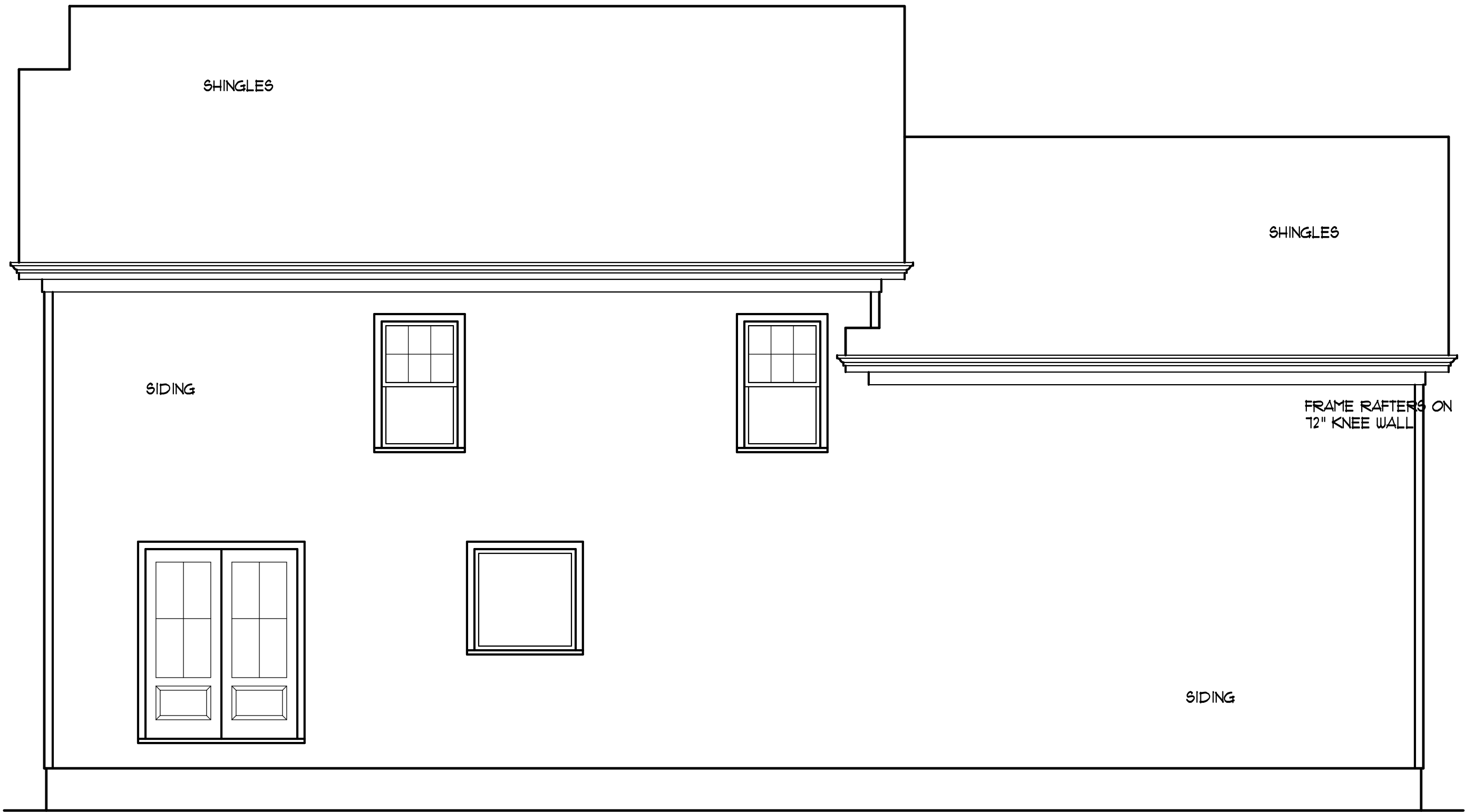
DIMENSIONS GOVERN OVER SCALE.

VERIFY ALL MECHANICAL REQUIREMENTS BEFORE FRAMING.

YUNCANNON DESIGNS DOES NOT ASSUME LIABILITY FOR ANY DEVIATION OF OR CONSTRUCTION METHODS OF THESE PLANS.



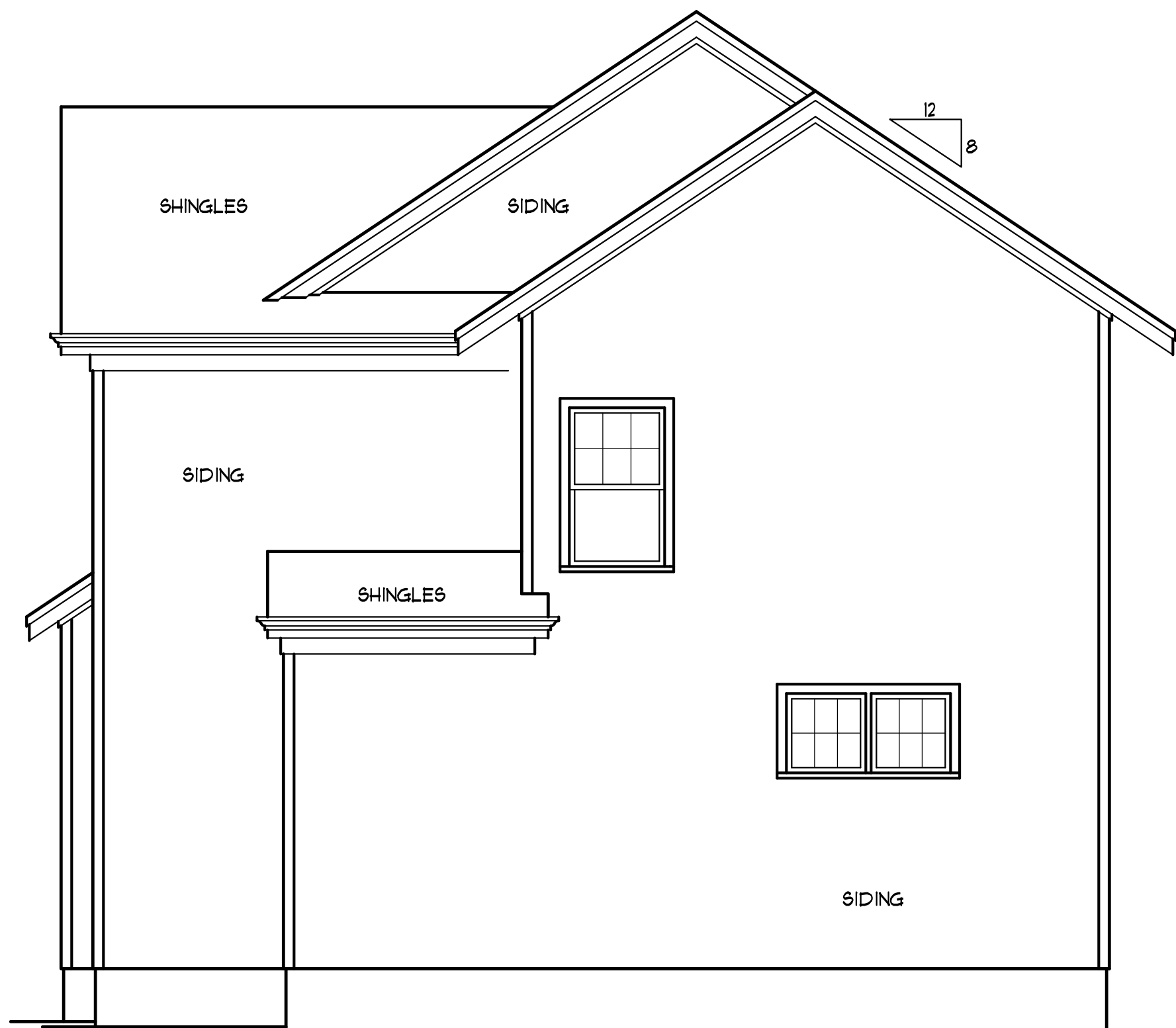
LEFT SIDE ELEV
SCALE: 1/4" = 1'-0"



REAR ELEVATION
SCALE: 1/4" = 1'-0"



FRONT ELEVATION
SCALE: 1/4" = 1'-0"



RIGHT SIDE ELEV
SCALE: 1/4" = 1'-0"

Hyal Properties
211 Sacred Fire Road
Louisburg, NC

YUNCANNON DESIGNS
CUSTOM HOME PLANS
FLOUAT-VARINA, NC • (919) 421-1314

DRAWN BY : WRY
CHK'D BY : WRY
DATE: 03/21/24
REVISIONS :

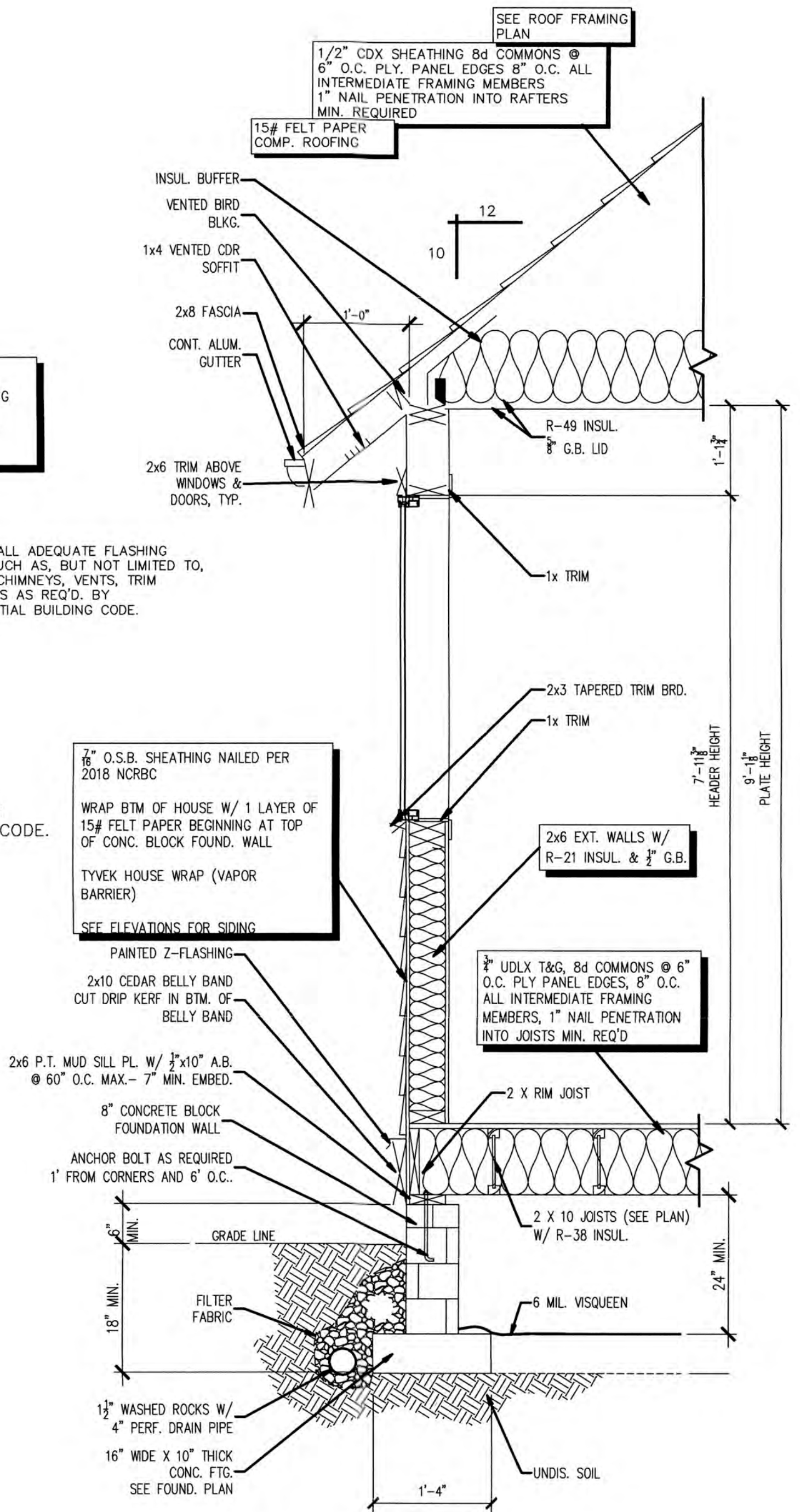
SHEET
A-1

Plan No. 1918-20

WINDOW & TYVEK INSTALLATION
TYVEK HOUSE WRAP AND DUPONT FLASHING
SYSTEMS FOR ALL WINDOWS AND DOORS.
CONSULT DUPONT MANUAL AND REP FOR
INSTALLATION INSTRUCTIONS.

NOTE, FLASHING:
CONTRACTOR & HOME OWNER TO INSTALL ADEQUATE FLASHING
AT ALL WATER INFILTRATION POINTS SUCH AS, BUT NOT LIMITED TO,
WINDOWS, DOORS, DECKS, SKYLIGHTS, CHIMNEYS, VENTS, TRIM
BOARDS, BALCONYS AND ROOF VALLEYS AS REQ'D. BY
2018 NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE.

WALL BRACING AND
EXTERIOR SHEATHING AS
PER RESIDENTIAL 2018 CODE.
PER TABLE 602.10.4
CS-WSP
CONTINUOUSLY
SHEATED WSP



TYPICAL WALL DETAIL

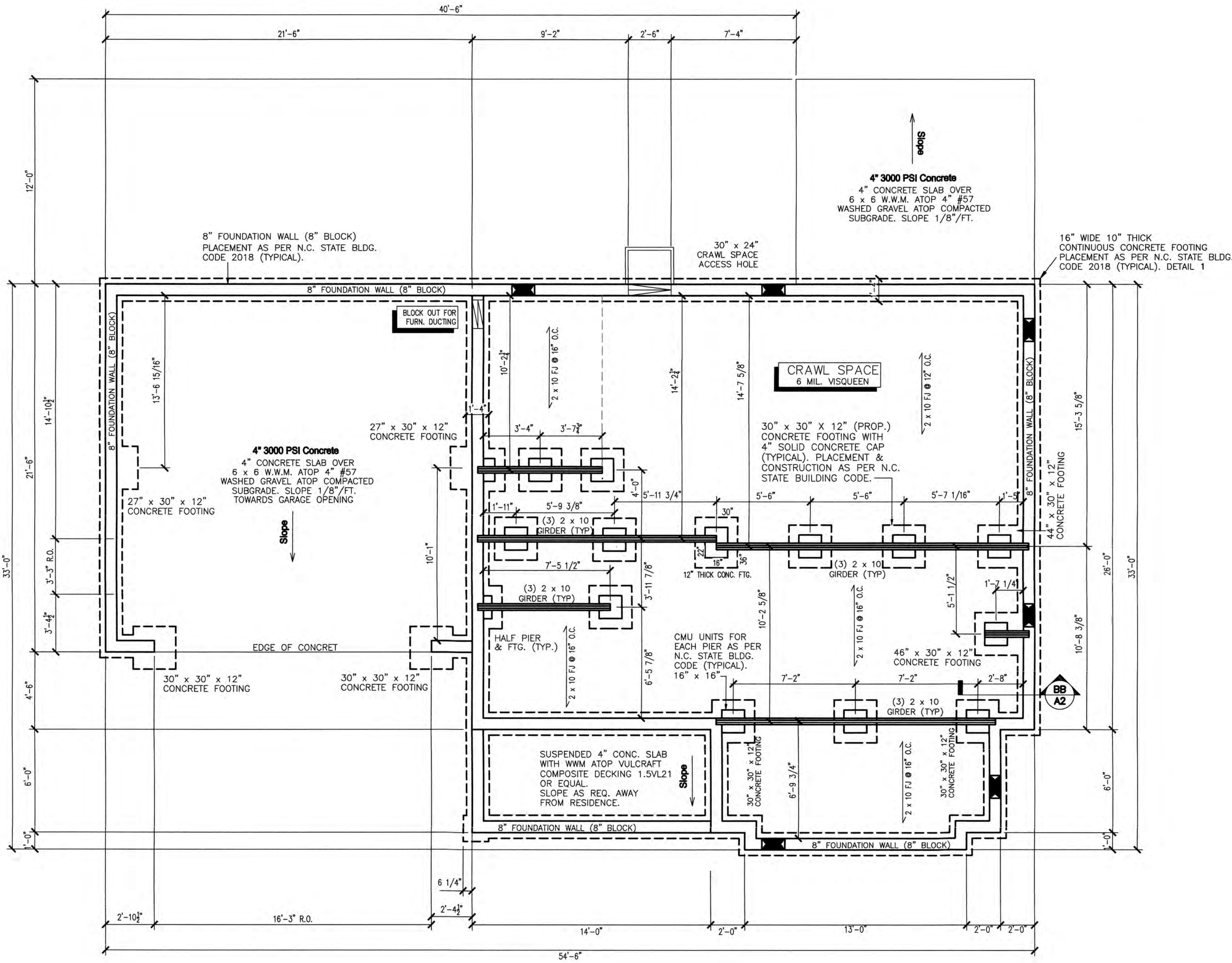
SCALE 3/4" = 1'-0"

- FOUNDATION STRUCTURAL NOTES:
1. ANCHOR SILL PLATES OF ADDITION WALLS, SLAB FOUNDATIONS (INCLUDING SILLS OF INTERIOR BEARING WALLS), AND ANY FOUNDATION WALL WITH A HEIGHT OF 80" OR MORE WITH 1/2" DIAMETER BOLTS HAVING A STANDARD HOOK END @ 6" O.C. EMBED THE BOLTS A MINIMUM OF 15" INTO THE MASONRY AND INTO CONCRETE A MINIMUM OF 6".
 2. SOIL BEARING CAPACITY TO BE 2000 PSF MINIMUM.
 3. ALL CONCRETE TO BE 3000 PSI (28 DAY STRENGTH).
 4. MAXIMUM DEPTH OF UNBALANCE FILL AGAINST ANY FOUNDATION WALL SHALL BE AS INDICATED IN SECTION R-304 OF THE NORTH CAROLINA STATE BUILDING CODE, VOL. VII (RESIDENTIAL).
 5. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA UNIFORM RESIDENTIAL BUILDING CODE PLUS ALL LOCAL CODES AND REGULATIONS.
 6. ALL FRAMING LUMBER SHALL BE #2 SPF (Fb = 900 PSI) UNLESS OTHERWISE NOTED.
 7. STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION
 8. INSTALL 1/2" ANCHORS BOLTS 6'-0" ON CENTERS AND WITHIN 1'-0" FROM END OF EACH PLATE
 9. MEAN ROOF HEIGHT LESS THAN 30'
 10. WALL CLADDING DESIGNED FOR 24.1 PSF (POSITIVE AND NEGATIVE)
 11. ROOF CLADDING DESIGNED FOR 21 PSF (POSITIVE AND NEGATIVE) FOR ROOF PITCHES 7/12 TO 12/12 AND 34.8 PSF (POSITIVE AND NEGATIVE) FOR ROOF PITCHES 2.25/12 TO 7/12
 12. 7/16" OSB SHEATHING IS REQUIRED ON ALL EXTERIOR WALLS
 13. WALL BRACING SHALL BE AS PER SECTION R602.10 OF THE 2018 NCRC

- STRUCTURAL NOTES:
- ALL FRAMING TO BE SPF #2 UNLESS NOTED OTHERWISE
 - MIN Fb OF FRAMING LUMBER TO BE 900 PSI
 - ALL REQUIREMENTS OF N.C. BUILDING CODE 2018 EDITION SHALL BE ADHERED TO
 - ALL CONCRETE SHALL BE 3000 PSI
 - ALL SOIL ASSUMED TO BE A MINIMUM OF 2000 PSF BEARING

DESIGN LOADS:
40 PSF LIVE LOAD
10 PSF DEAD LOAD

ALL CONCRETE TO BE 3000 psi
VERIFY ALL DIMENSIONS
IN FIELD PRIOR TO CONSTRUCTION
VERIFY ALL EXISTING CONDITIONS
IN FIELD PRIOR TO CONSTRUCTION
REFER TO ARCHITECTURAL PLANS
BY OTHERS FOR DIMENSIONS



FOUNDATION STRUCTURAL PLAN

SCALE 1/4"=1'-0"

CONSTRUCTION METHODS, PROCEDURES, TECHNIQUES, SEQUENCES, AND
SAFETY MEASURES ARE NOT APPLICABLE TO ENGINEER'S SEAL.
ANY CHANGES, DISCREPANCIES, ALTERATIONS, OR OMISSIONS TO THE PLANS
SHOULD IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THOMPSON AND
ASSOCIATES. FAILURE TO CONTACT THOMPSON AND ASSOCIATES WILL VOID
THOMPSON AND ASSOCIATES LIABILITY.

REVIEW OF STRUCTURAL COMPONENTS ONLY AS
RELATED TO N.C. STATE BUILDING
CODE, 2018 EDITION
THOMPSON AND ASSOCIATES, PA (C-0343)
1149 EXECUTIVE CIRCLE SUITE D-2
CARY, NC 27511
(919) 465-1566



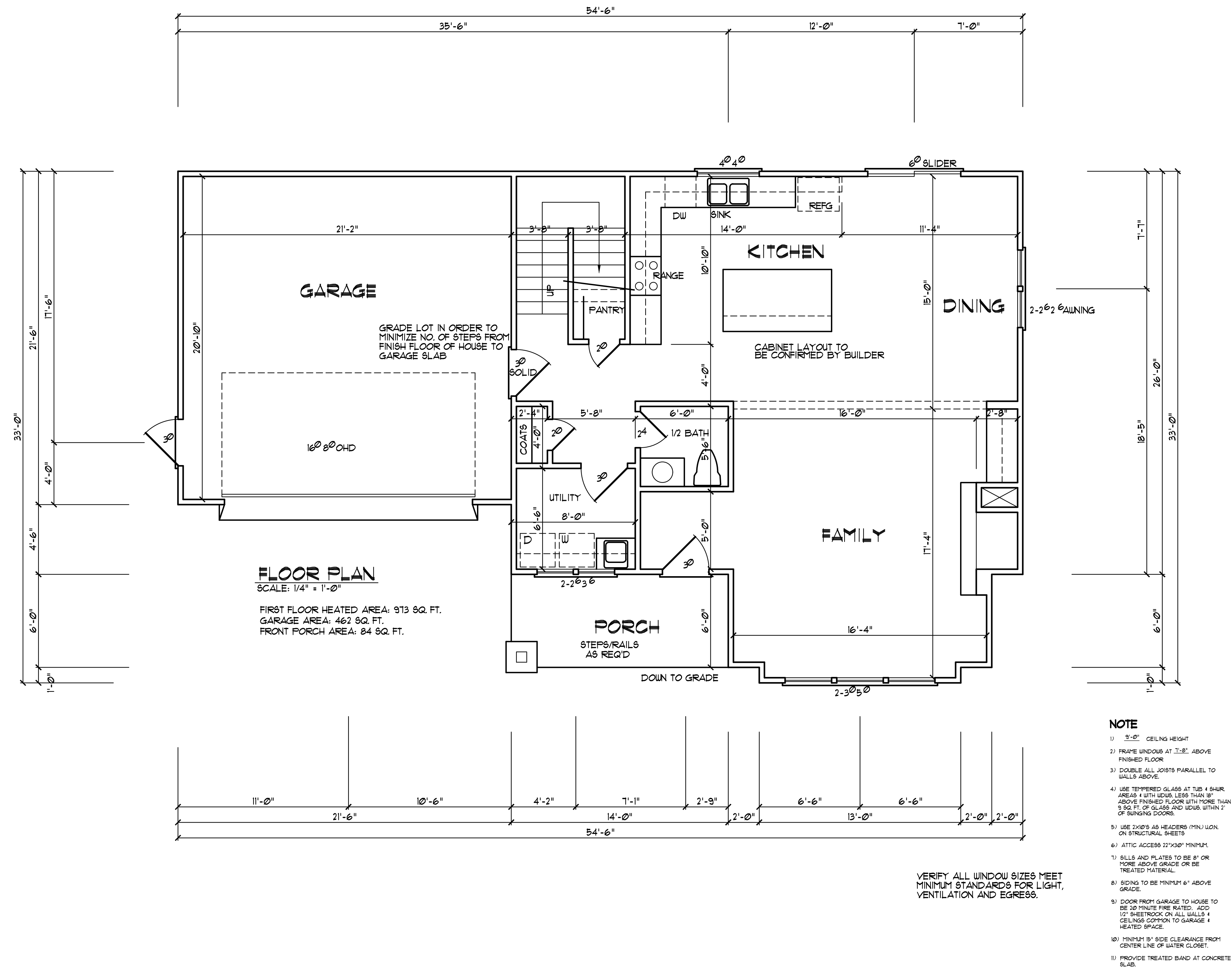
THOMPSON & ASSOCIATES
CO. LICENSE NO. C-0343
1149 EXECUTIVE CIRCLE
SUITE D UNIT 2
CARY, NC 27511
(919) 465-1566

NORTH CAROLINA		RESIDENTIAL
DATE	03/19/2024	DRAWN RLM
SCALE	1/4" = 1'	SURVEYED
REVISIONS:		DWG: HYKALSTRUCTURAL

SHEET S-1

FOUNDATION STRUCTURAL PLAN
HYKAL CONT FARM HOUSE
PLAN 806 16-180

YUNCANNON DESIGNS DOES NOT ASSUME LIABILITY
FOR ANY DEVIATION OF OR CONSTRUCTION METHODS
OF THESE PLANS.



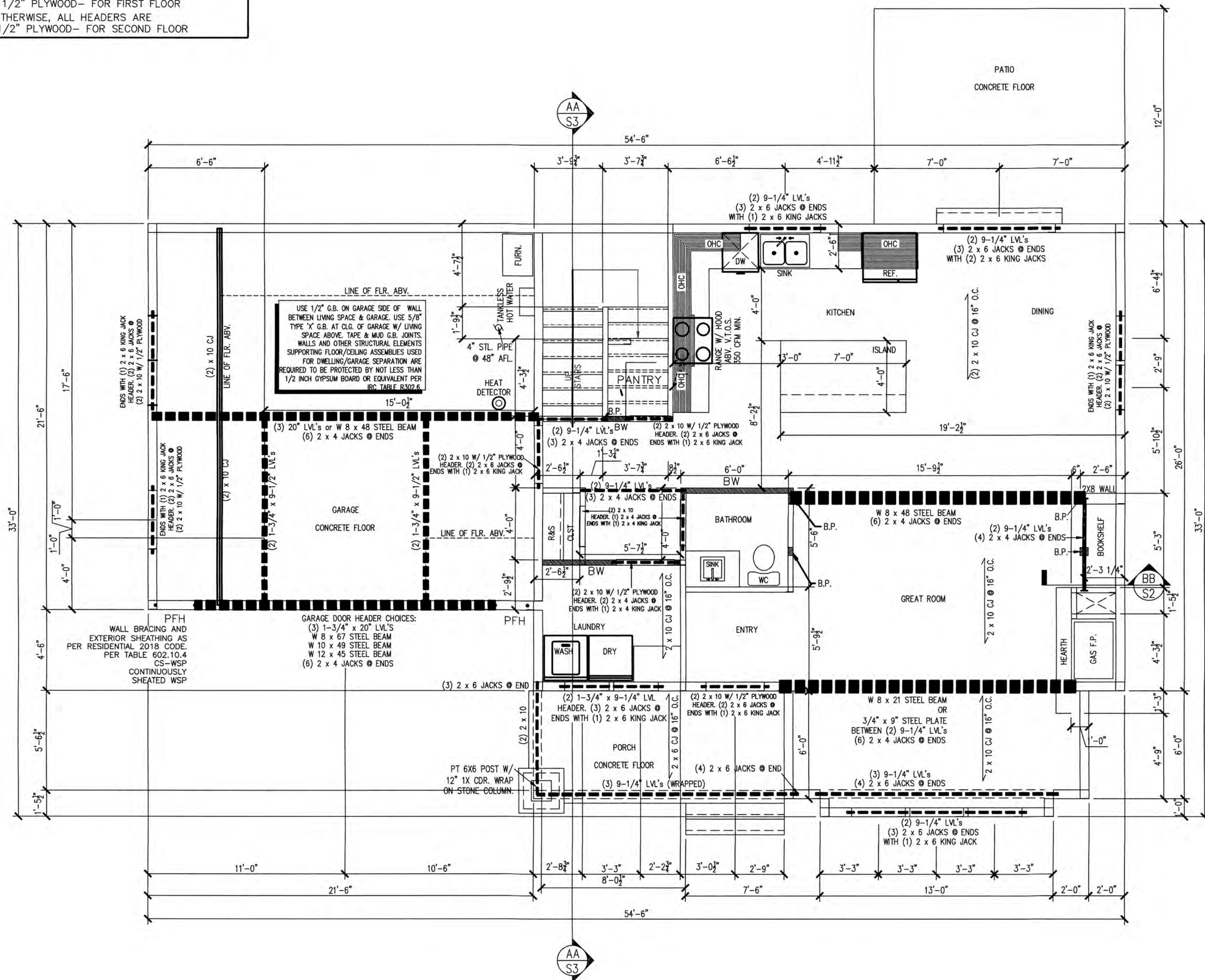
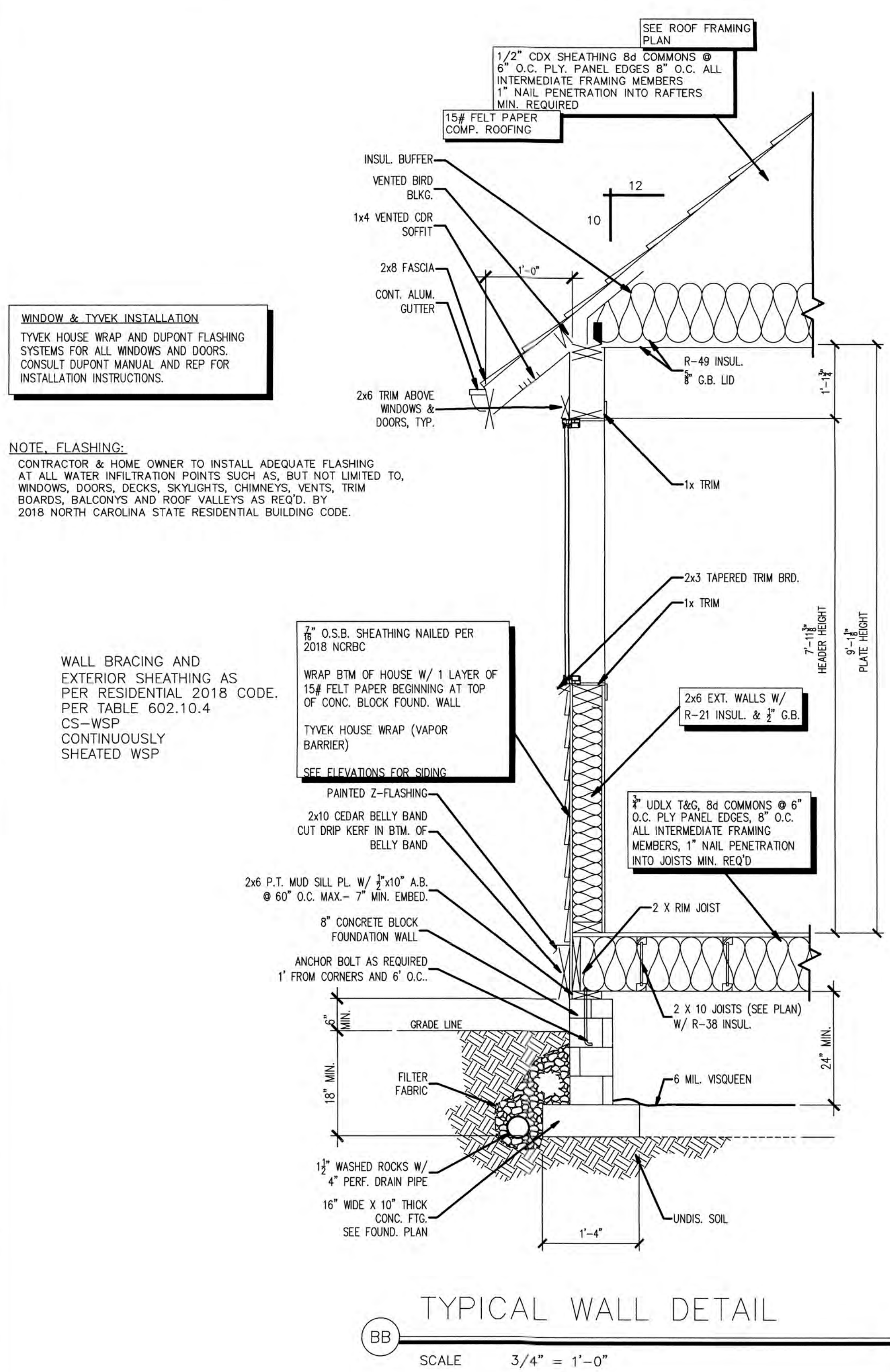
- 1) 9'-0" CEILING HEIGHT
- 2) FRAMES WINDOWS AT 1'-8" ABOVE FINISHED FLOOR
- 3) DOUBLE ALL JOISTS PARALLEL TO WALLS ABOVE.
- 4) USE TEMPERED GLASS AT TUB & SHOWER AREA & WITH ICUBS LESS THAN 8" ABOVE FINISHED FLOOR WITH MORE THAN 8" SOLO GLASS AND ICUBS WITHIN 2' OF SHOWER DOORS.
- 5) USE 2X8'S AS READERS (MIN) WON. ON STRUCTURAL SHEETS
- 6) ATILE ACCESS 22"X30" MINIMUM.
- 7) SLICLS AND PLATES TO BE 8" OR MORE ABOVE GRADE OR BE TREATED MATERIAL.
- 8) DOOR TO BE MINIMUM 4' ABOVE GRADE
- 9) DOOR FROM GARAGE TO HOUSE TO BE 1/2" SHEET FIRE RATED, AD 10' MINUTE ROK ON ALL WALLS & GLASS PARTITION TO GARAGE & HEATED SPACE.
- 10) MINIMUM 5' SIDE CLEARANCE FROM CENTER LINE OF WATER CLOSET.
- 11) PROVIDE TREATED BAND AT CONCRETE

VERIFY ALL WINDOW SIZES MEET
MINIMUM STANDARDS FOR LIGHT,
VENTILATION AND EGRESS.

DRAWN BY : WRV
CHK'D BY : WRV
DATE: 03/27/24
REVISIONS :

SHEET
A-2

Plan No. 1918-20



CONSTRUCTION METHODS, PROCEDURES, TECHNIQUES, SEQUENCES, AND SAFETY MEASURES ARE NOT APPLICABLE TO ENGINEER'S SEAL. ANY CHANGES, DISCREPANCIES, ALTERATIONS, OR OMISSIONS TO THE PLANS SHOULD IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THOMPSON AND ASSOCIATES. FAILURE TO CONTACT THOMPSON AND ASSOCIATES WILL VOID THOMPSON AND ASSOCIATES LIABILITY.

REVIEW OF STRUCTURAL COMPONENTS ONLY AS RELATED TO N.C. STATE BUILDING CODE, 2018 EDITION
THOMPSON AND ASSOCIATES, PA (C-0343)
1149 EXECUTIVE CIRCLE SUITE D-2
CARY, NC 27511
(919) 465-1566



SHEET S-2

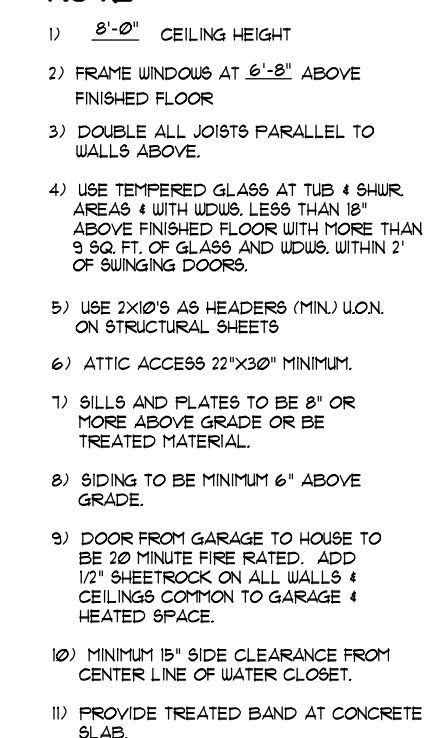
**MAIN FLOOR STRUCTURAL PLAN
HYKAL CONT FARM HOUSE
PLAN 806 16-180**



THOMPSON & ASSOCIATES
CO. LICENSE NO. C-0343
1149 EXECUTIVE CIRCLE
SUITE D UNIT 2
CARY, NC 27511
(919) 465-1566

NORTH CAROLINA		RESIDENTIAL
DATE 03/19/2024	DRAWN RLM	JOB NO. HYKAL
SCALE : 1/4" = 1'	SURVEYED ----	DWG: HYKALSTRUCTURAL
REVISIONS:		

YUNCANNON DESIGNS DOES NOT ASSUME LIABILITY
FOR ANY DEVIATION OF OR CONSTRUCTION METHODS
OF THESE PLANS.

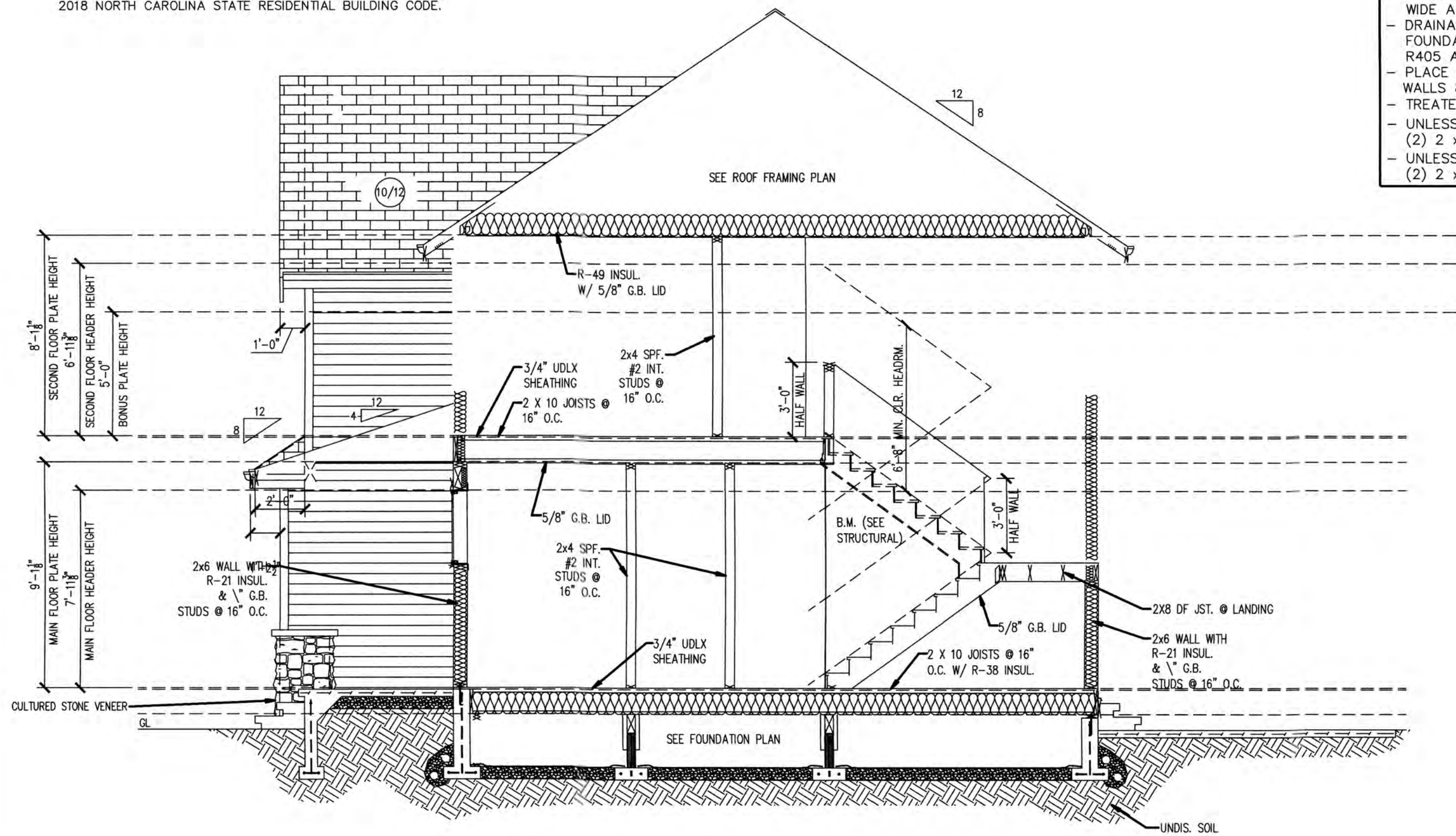


Plan No. 1918-20

SHEET
= 3

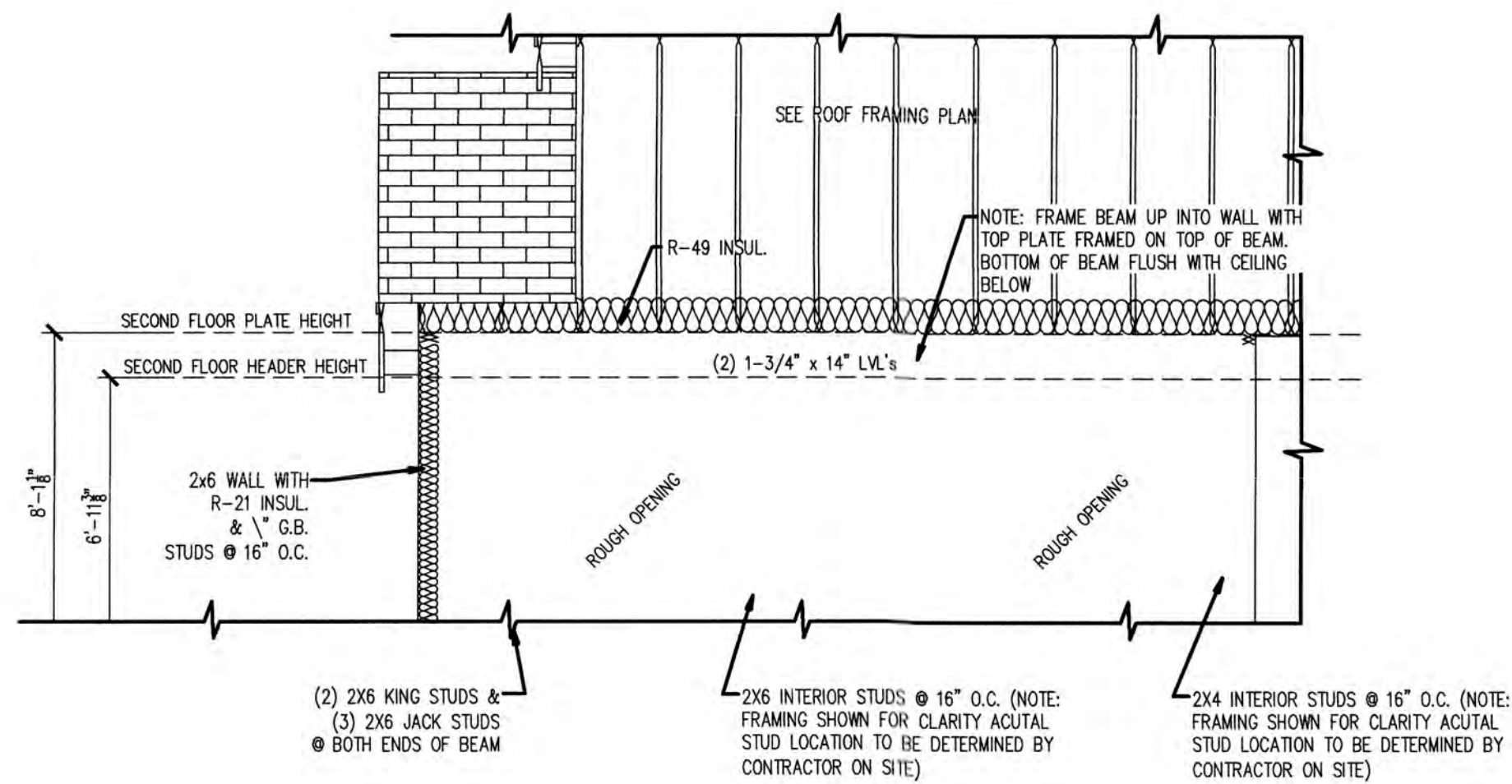
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BOARDS, BALCONYS AND ROOF VALLEYS AS REQ'D. BY
2018 NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE.



MAIN BUILDING SECTION

SCALE 1/4" = 1'-0"



SPECIAL BEAM CONDITION

SCALE 1/4" = 1'-0"

STRUCTURAL NOTES:

- ALL FRAMING TO BE SPF #2 UNLESS NOTED OTHERWISE
- MIN Fb OF FRAMING LUMBER TO BE 900 PSI
- ALL HEADERS TO BE (2) 2 x 10 WITH 1/2" PLYWOOD UNLESS NOTED OTHERWISE - FOR FIRST FLOOR
- UNLESS NOTED OTHERWISE, ALL HEADERS ARE (2) 2 x 8 WITH 1/2" PLYWOOD- FOR SECOND FLOOR
- ALL JACKS UNDER HEADERS TO BE (2) 2 x 4 UNLESS NOTED OTHERWISE PLUS WITH CODE REQUIRED KING STUDS
- ALL REQUIREMENTS OF N.C. RESIDENTIAL BUILDING CODE 2018 EDITION SHALL BE ADHERED TO
- ALL BRICK LENTILS TO BE 6 x 3-1/2 x 1/2 STEEL ANGLES UNLESS NOTED OTHERWISE

GENERAL NOTES:

- PLACE DOUBLE BAND WITH LEDGER OVER ANY VENT OVER 16" WIDE AND ACCESS OPENINGS IN THE FOUNDATION WALL
- DRAINAGE, WATERPROOFING, AND DAMPPROOFING OF THE FOUNDATION SHALL BE AS PER 2018 NCRC (2000 IRC) SECTION R405 AND SECTION R406
- PLACE DOUBLE JOIST UNDER ALL NON-LOAD BEARING PARTION WALLS 8'-0" OR LONGER
- TREATED BANDS AT ALL PORCH LOCATIONS
- UNLESS NOTED OTHERWISE, ALL HEADERS ARE (2) 2 x 10 WITH 1/2" PLYWOOD- FOR FIRST FLOOR
- UNLESS NOTED OTHERWISE, ALL HEADERS ARE (2) 2 x 8 WITH 1/2" PLYWOOD- FOR SECOND FLOOR

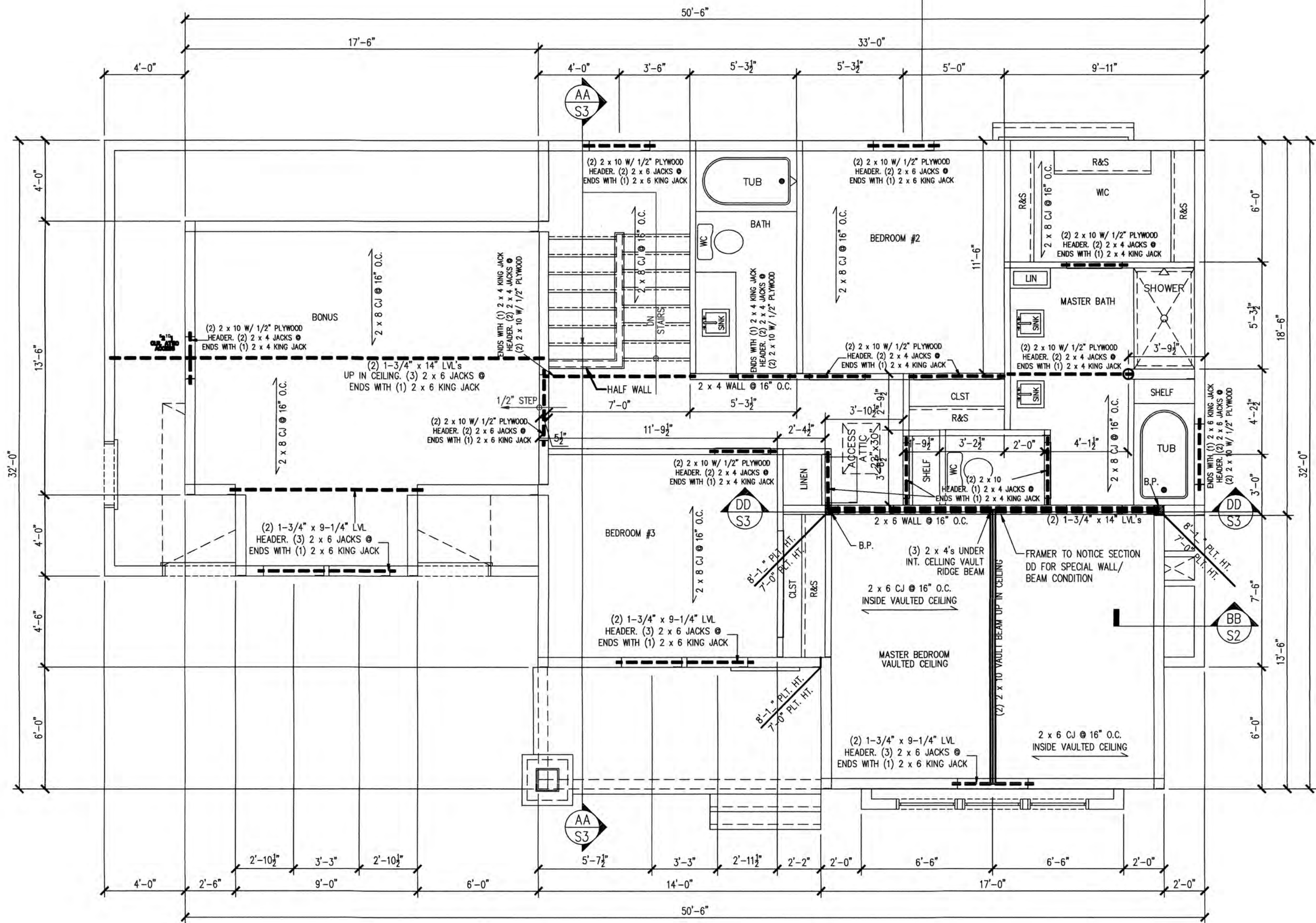
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DESIGN LOADS:
40 PSF LIVE LOAD
10 PSF DEAD LOAD

ALL CONCRETE TO BE 3000 psi
VERIFY ALL DIMENSIONS
IN FIELD PRIOR TO CONSTRUCTION

VERIFY ALL EXISTING CONDITIONS
IN FIELD PRIOR TO CONSTRUCTION
REFER TO ARCHITECTURAL PLANS
BY OTHERS FOR DIMENSIONS



SECOND FLOOR STRUCTURAL PLAN

SCALE 1/4"=1'-0"

CONSTRUCTION METHODS, PROCEDURES, TECHNIQUES, SEQUENCES, AND SAFETY MEASURES ARE NOT APPLICABLE TO ENGINEER'S SEAL. ANY CHANGES, DISCREPANCIES, ALTERATIONS, OR OMISSIONS TO THE PLANS SHOULD IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THOMPSON AND ASSOCIATES. FAILURE TO CONTACT THOMPSON AND ASSOCIATES WILL VOID THOMPSON AND ASSOCIATES LIABILITY.

REVIEW OF STRUCTURAL COMPONENTS ONLY AS RELATED TO N.C. STATE BUILDING CODE, 2018 EDITION
THOMPSON AND ASSOCIATES, PA (C-0343)
1149 EXECUTIVE CIRCLE SUITE D-2
CARY, NC 27511
(919) 465-1566



THOMPSON & ASSOCIATES
CO. LICENSE NO. C-0343
1149 EXECUTIVE CIRCLE
SUITE D UNIT 2
CARY, NC 27511
(919) 465-1566

NORTH CAROLINA		RESIDENTIAL	
DATE	03/19/2024	DRAWN	RLM
SCALE	1/4" = 1'	SURVEYED	----
REVISIONS:		DWG: HYKALSTRUCTURAL	

SHEET S-3

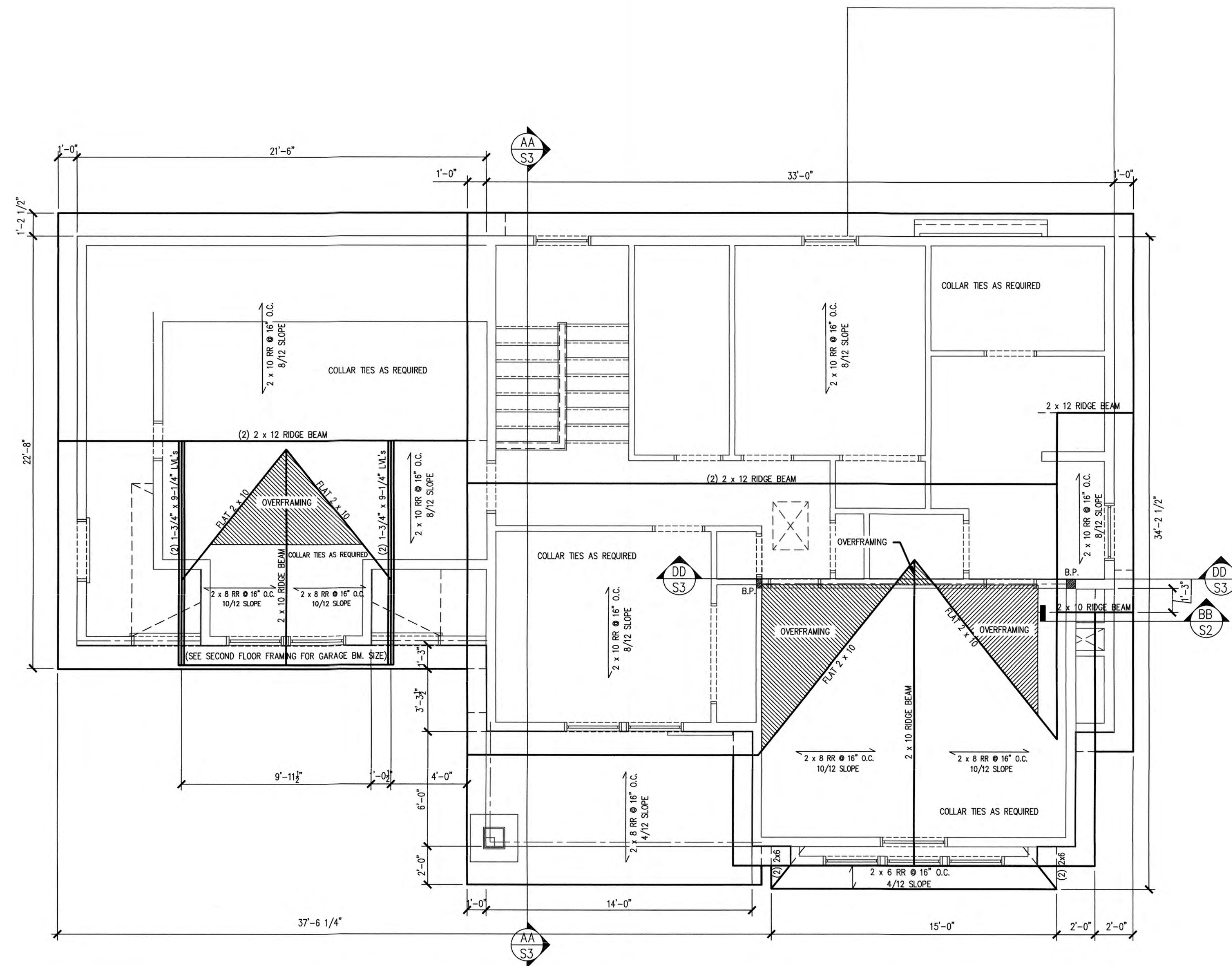
SECOND FLOOR STRUCTURAL PLAN
HYKAL CONT FARM HOUSE
PLAN 806 16-180

STRUCTURAL NOTES:

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- ALL SOIL ASSUMED TO BE A MINIMUM OF 2000 PSF BEARING

CONTRACTOR, PRIOR TO CONSTRUCTION
 *REVIEW ROOF PLAN AND CONTACT *
 ENGINEER WITH ANY OMISSIONS AND
 TO CONFIRM ROOF FRAMING

ALL CONCRETE TO BE 3000 psi
 VERIFY ALL DIMENSIONS
 IN FIELD PRIOR TO CONSTRUCTION
 VERIFY ALL EXISTING CONDITIONS
 IN FIELD PRIOR TO CONSTRUCTION
 REFER TO ARCHITECTURAL PLANS
 BY OTHERS FOR DIMENSIONS
 CONTRACTOR, PRIOR TO CONSTRUCTION
 *REVIEW ROOF PLAN AND CONTACT *
 ENGINEER WITH ANY OMISSIONS AND
 TO CONFIRM ROOF FRAMING



ROOF STRUCTURAL PLAN

SCALE 1/4"=1'-0"

ANY CHANGES, DISCREPANCIES, ALTERATIONS, OR OMISSIONS TO THE PLANS SHOULD IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THOMPSON AND ASSOCIATES. FAILURE TO CONTACT THOMPSON AND ASSOCIATES WILL VOID THOMPSON AND ASSOCIATES LIABILITY.

REVIEW OF STRUCTURAL COMPONENTS ONLY AS RELATED TO N.C. STATE BUILDING CODE, 2018 EDITION
 THOMPSON AND ASSOCIATES, PA (C-0343)
 1149 EXECUTIVE CIRCLE SUITE D-2
 CARY, NC 27511
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SHEET S-4

**ROOF STRUCTURAL PLAN
 HYKAL CONT FARM HOUSE
 PLAN 806 16-180**



THOMPSON & ASSOCIATES
 CO. LICENSE NO. C-0343
 1149 EXECUTIVE CIRCLE
 SUITE D UNIT 2
 CARY, NC 27511
 (919) 465-1566

NORTH CAROLINA		RESIDENTIAL	
DATE 03/19/2024	DRAWN RLM	JOB NO. HYKAL	
SCALE : 1/4" = 1'	SURVEYED ----	DWG: HYKALSTRUCTURAL	
REVISIONS:			