INDEX TO DRAWINGS

COVER SHEET

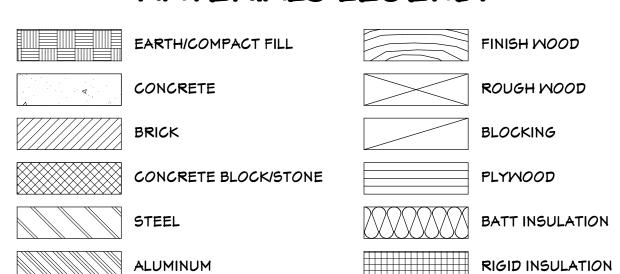
- 1.1 FRONT AND LEFT SIDE ELEVATIONS
- 1.2 REAR AND RIGHT SIDE ELEVATIONS
- 2.1 FIRST FLOOR PLAN
- 2.2 SECOND FLOOR PLAN
- D.1 DETAIL SHEET

- MONO SLAB FOUNDATION PLAN
- FIRST FLOOR FRAMING PLAN
- SECOND FLOOR FRAMING PLAN
- S4 ROOF FRAMING PLAN
- SD1 DETAILS & SPECIFICATIONS

GENERAL NOTES:

- 1. ALL WORK IS TO BE DONE IN STRICT ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE, 2018 EDITION (HEREWITH SHOWN AS N.C.S.R.B.C.).
- 2. DIMENSIONS SHOWN ON DRAWINGS GOVERN OVER SCALE.
- 3. STUD WALL DESIGN SHALL CONFORM TO ALL N.C.S.R.B.C. REQUIREMENTS.
- 4. CONTRACTOR SHALL USE TEMPERED SAFETY GLASS IN ALL LOCATIONS AS REQUIRED BY N.C.S.R.B.C., SECTION R308.4.
- 5. ANY HABITABLE ROOM SHALL MEET ALL LIGHT/VENTILATION AND EGRESS AS REQUIRED BY N.C.S.R.B.C., SECTIONS R-303.1 AND R-310.1.
- 6. ALL WALLS SHOWN ON FLOOR PLANS ARE 2×4 FRAME UNLESS NOTED OTHERWISE.
- 7. ALL ANGLED WALLS SHOWN ON FLOOR PLANS ARE 45° UNLESS NOTED OTHERWISE.
- 8. ALL WINDOWS SHALL HAVE A MINIMUM DPI RATING OF 25. BUILDER SHALL YERIFY WITH WINDOW MANUFACTURER THAT UNITS INSTALLED MEET THESE REQUIREMENTS AS PER N.C.S.R.B.C., TABLE 301.2(6).
- 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., AS SHOWN IN TABLES N1101.2 AND N1102.1.

MATERIALS LEGEND:



RESIDENTIAL BUILDING CODE SUMMARY:

- 1. PLANS ARE DESIGNED TO THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING
- 2. HOUSE IS DESIGNED FOR 115 MPH, 3 SECOND GUST (89 MPH FASTEST WIND), EXPOSURE B.
- 3. 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" OF THE CORNER.
- 4. MEAN ROOF HEIGHT: <u>24'-9"</u>
- 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	18.0, -19.6	18.5, -20.2
ZONE 2	16.5, -21.0	17.3, -22.1	18.0, -22.9	18.5, -23.5
ZONE 3	16.5, -21.0	17.3, -22.1	18.0, -22.9	18.5, -23.5
ZONE 4	18.0, -19.5	18.9, -20.5	19.6, -21.3	20.2, -21.8
ZONE 5	18.0, -24.1	18.9, -25.3	19.6, -26.3	20.2, -27.0

- 6. MINIMUM VALUES FOR ENERGY COMPLIANCE: ZONE 4
- 7. MAXIMUM GLAZING U-FACTOR: .35
- 8. INSULATING VALUES: CEILING: R-30* / WALLS: R-15 / FLOOR: R-19 / SLABS: R-10. CODE REFERENCE: TABLE N1102.1 (*R-30 ONLY IF UNCOMPRESSED, R-38 REQUIRED IF COMPRESSED.

AREA CALCULATIONS:

HEATED:		UNHEATED:	
1ST FLOOR	R: 1098	FRONT PORCH:	172
2ND FLOOR	R: 138 5	SCREEN PORCH:	239
TOTAL:	2483	GARAGE:	589
		TOTAL:	1000

OYERALL DIMENSIONS:

54'-10" × 51'-11"

TOILET ACCESSORIES LEGEND:

PROVIDE 2×4 BLOCKING IN THE WALL FOR THE FOLLOWING:

TOWEL BAR TOILET PAPER HOLDER MEDICINE CABINET

MAGAZINE RACK

THE PURPOSE OF THESE DRAWINGS IS TO SHOW THE INTENT OF THE DESIGN AND SET SHOULD IMMEDIATELY BE REPORTED TO HOMES UNIQUE FOR CLARIFICATION OR CORRECTION. THE CONTRACTOR SHOULD YERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. ONCE A PERMIT HAS BEEN ISSUED FOR CONSTRUCTION, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY TO THE ACCURACY OF THE PLANS AND TO ANY CHANGES MADE BY THE CONTRACTOR AND/OR THE OWNER DURING CONSTRUCTION.

DUE TO VARYING LOCAL AND STATE CODES, HOMES UNIQUE CANNOT BE HELD RESPONSIBLE FOR ANY REQUIREMENTS THAT EXISTING SITE CONDITIONS MAY CREATE.

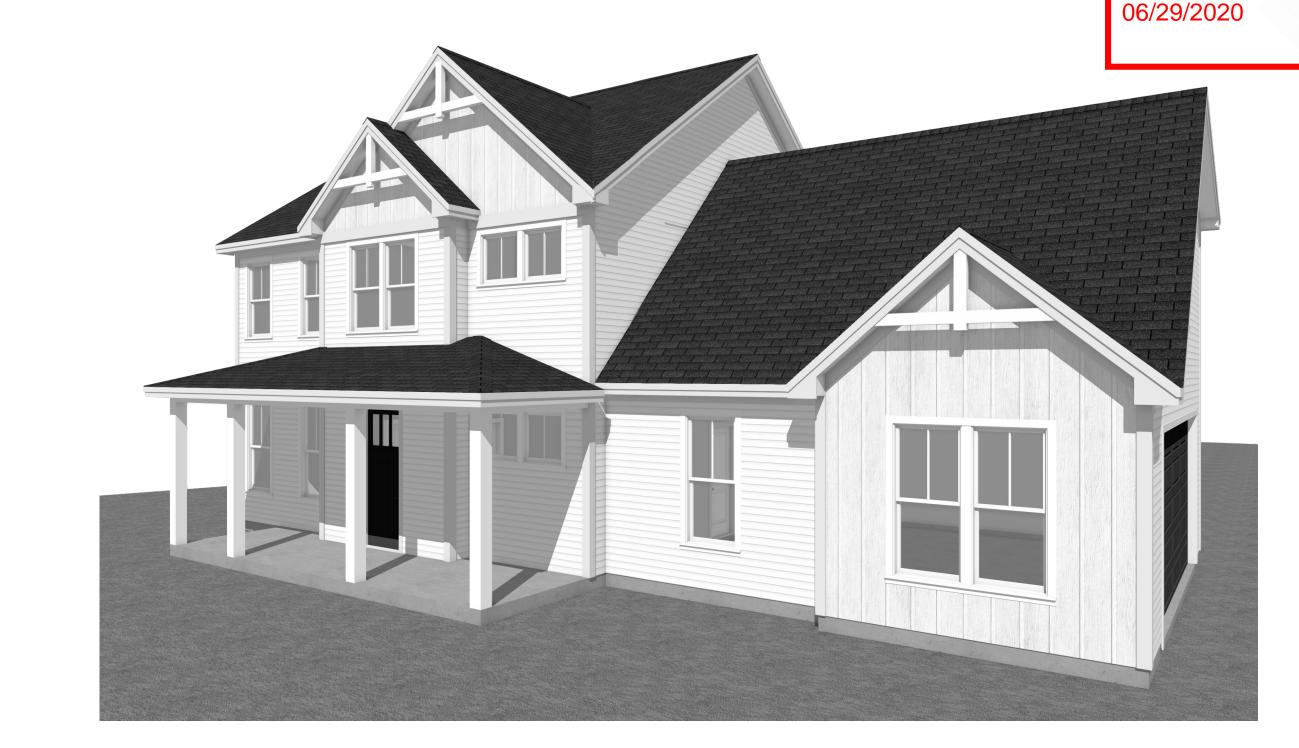
FOUNDATION YENTING CALCULATIONS:

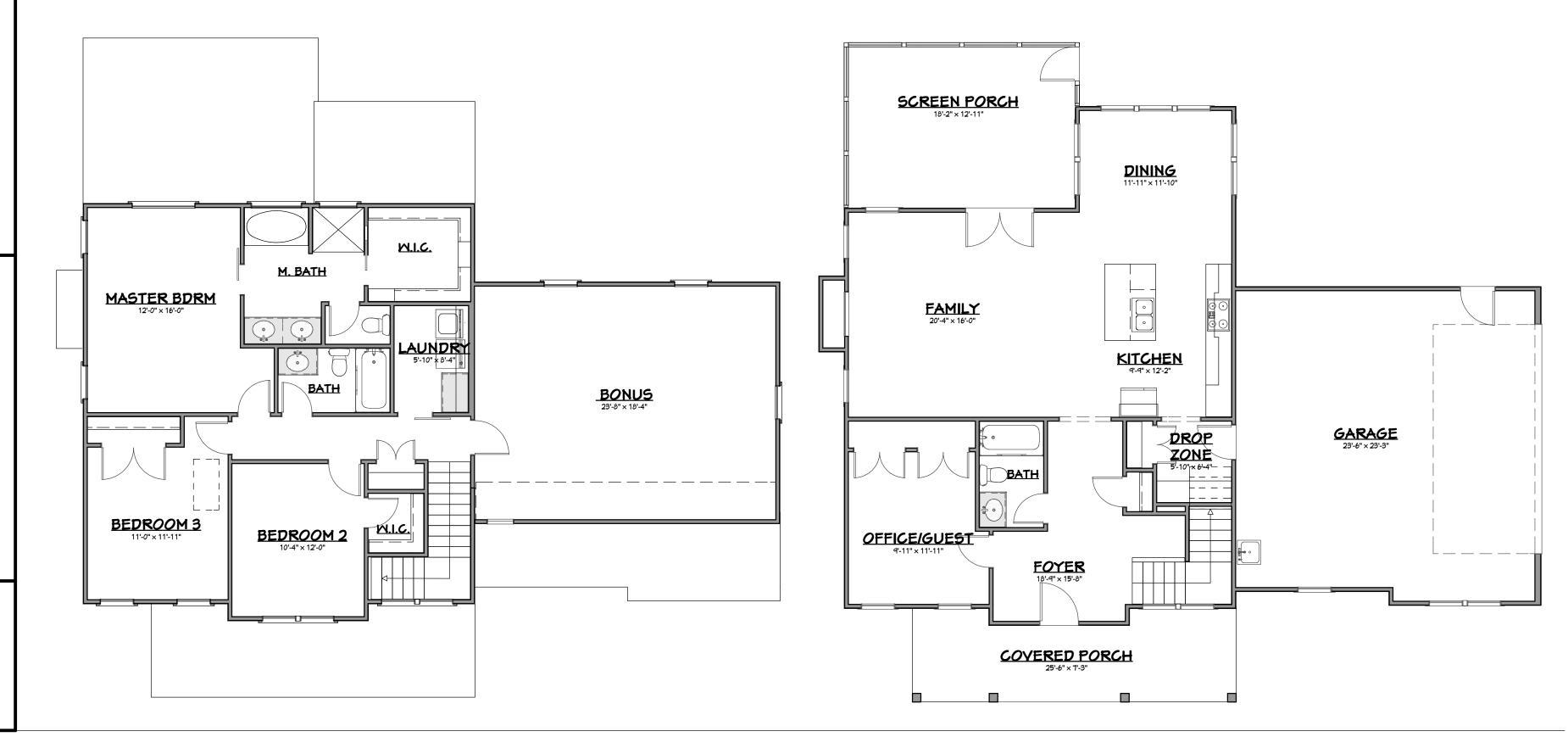
(NOT NEEDED WITH SLAB FOUNDATION)

ATTIC YENTILATION REQUIREMENTS:

NATURAL ROOF YENTILATION MECHANICAL ROOF YENTILATION 2098 SF/ 150 = 13.99 SF YENT REQ'D. 2098 SF/ 300 = 6.99 SF YENT REQ'D.

BUILDER TO PROVIDE APPROPRIATE VENTILATING AS REQUIRED PER CODE







Homes Unique Residential Design Inc.

1027 Hwy 70 West, Suite 223 Garner, NC 27529

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BQuest Homes

NOTICE TO CONTRACTOR All construction must comply with current NC Building Codes

COUNTY

NORTH CAROLINA

and is subject to field inspection and verification.

Limited building only review Permit holder responsible for full compliance with the code

> Douglas Residence #4427

of HOMES UNIQUE, INC.

made during construction.

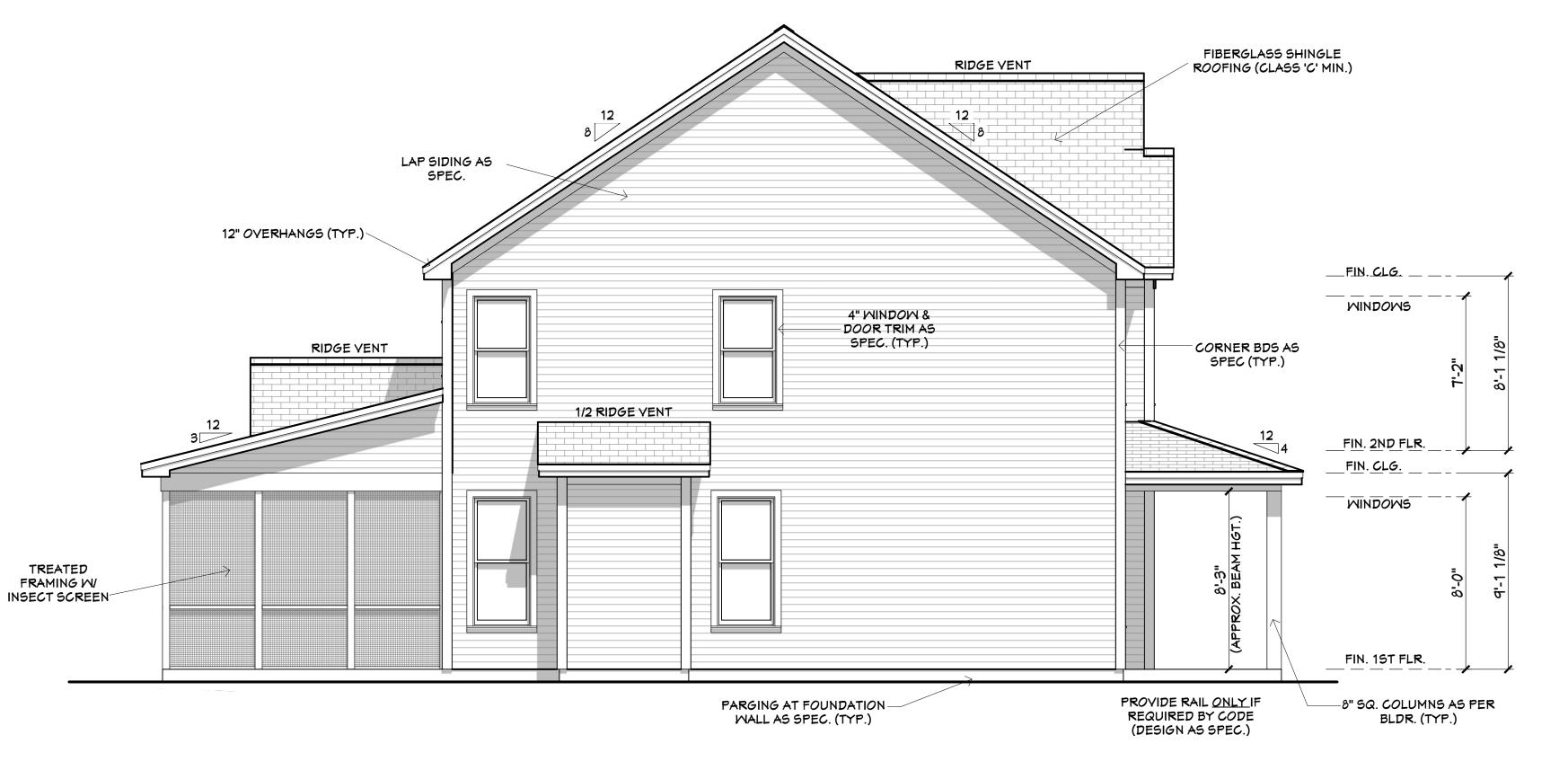
CHECKED BY: J.T.S.

REVISIONS:

DATE: 6/19/2020

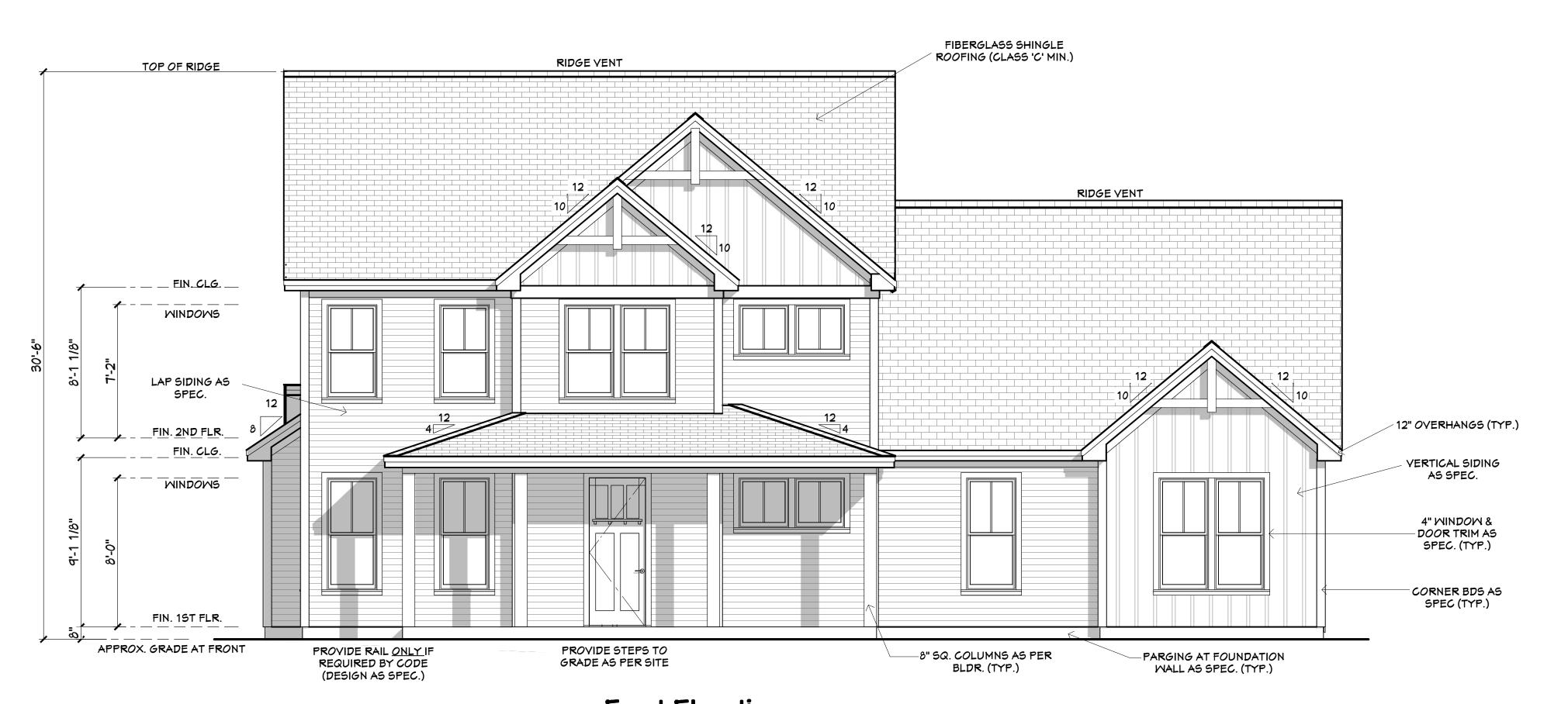
SHEET:

1.1



Left Side Elevation Scale: 1/4"=1'-0"

SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE



Front Elevation Scale: 1/4"=1'-0"

SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE

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.

BQuest Homes Jouglas Residence

Elevations

PROJECT NUMBER:

DRAWN BY:
J.A.D.

CHECKED BY: J.T.S.

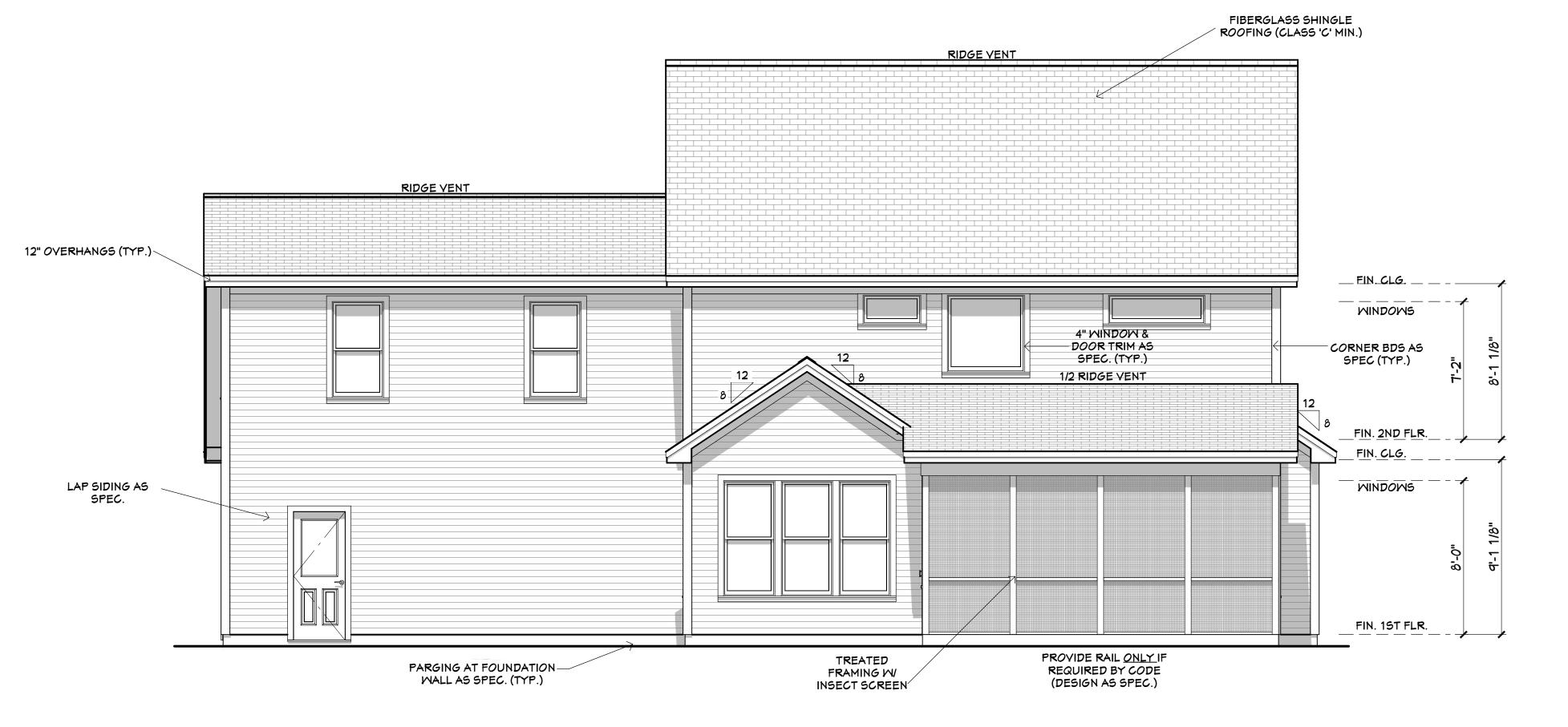
EVISIONS:

REVISIONS:

6/19/2020

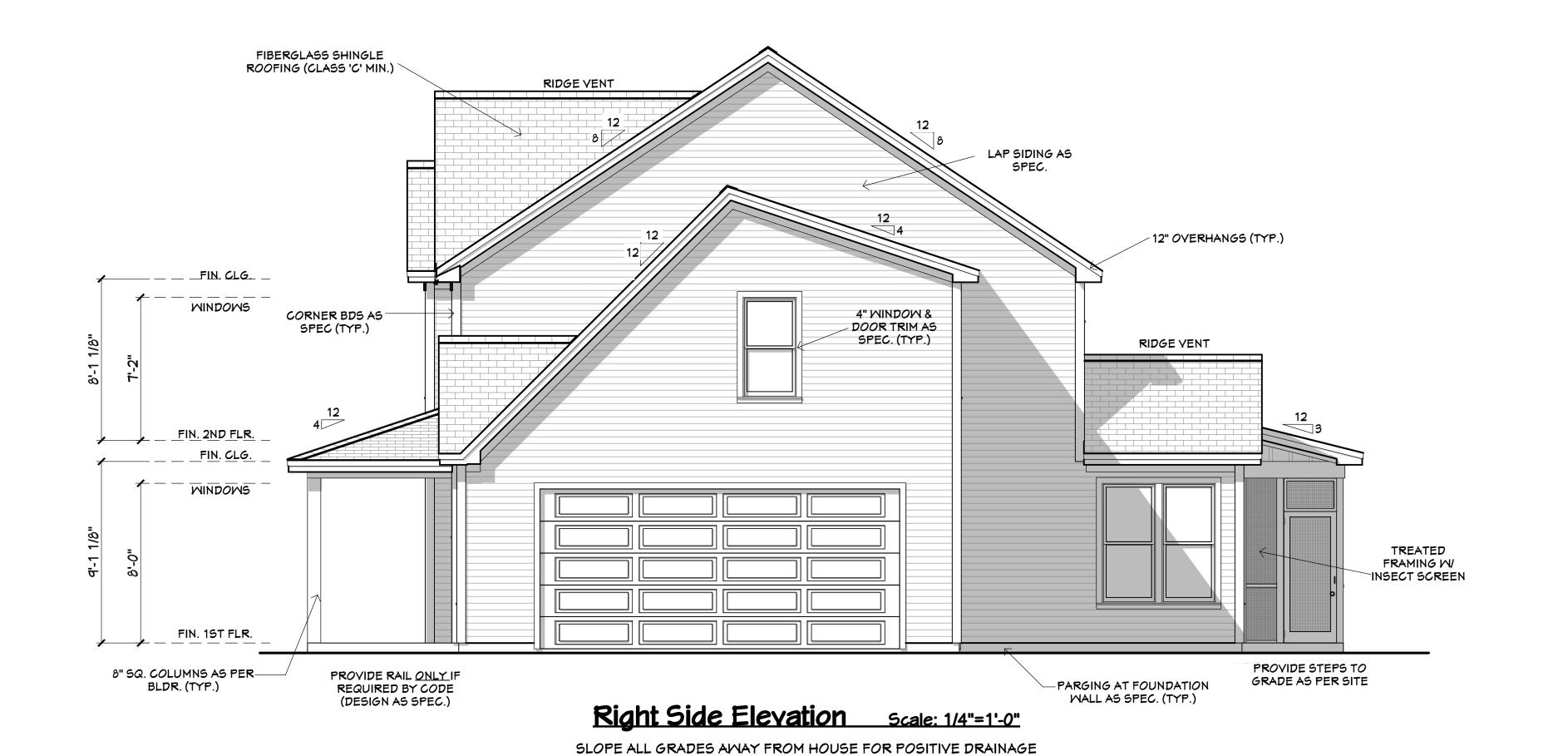
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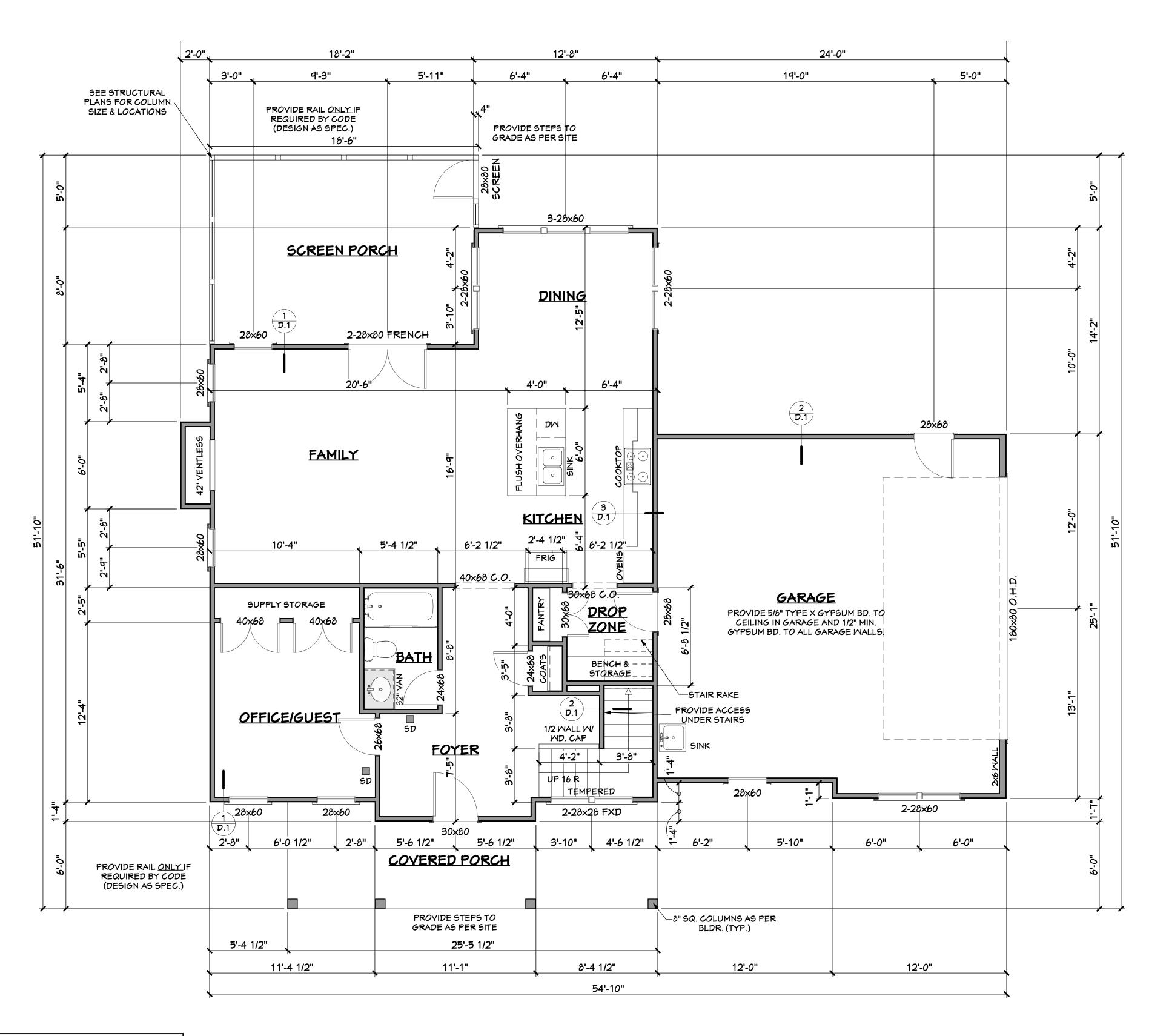
1.2



Rear Elevation Scale: 1/4"=1'-0"

SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE





PLAN NOTES:

DOOR/WINDOW SYMBOL 28x68 REPRESENTS A 2'-8" WIDE X 6'-8" TALL DOOR.

ROUGH FRAME ALL CASED OPENINGS 2" BIGGER THAN FINISHED OPENINGS CALL FOR.

ALL WALLS 2x4 UNLESS NOTED OTHERWISE.

ALL EXTERIOR DIMENSIONS ARE TO THE OUTSIDE OF SHEATHING.
INTERIOR DIMENSIONS ARE FROM FACE OF STUD.

BOTTOM OF WINDOW CLEAR OPENINGS SHALL BE MORE THAN 24" ABOVE FINISH FLOOR OR A FALL PREVENTION DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R612.3 OF THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.

First Floor Plan	Scale: 1/4"=1'-0"
'-0" CLG. HGT.	SET WINDOWS @ 8'-0" A.F.F.

1027 Hwy 70 West Suite 223 Garner, NC 27529 919-779-6005

919-779-6005 www.homesunique.com

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made during construction.

BQuest Homes Jouglas Residen

PROJECT INFO:

PROJECT NUMBER: 4427

DRAWN BY:
J.A.D.

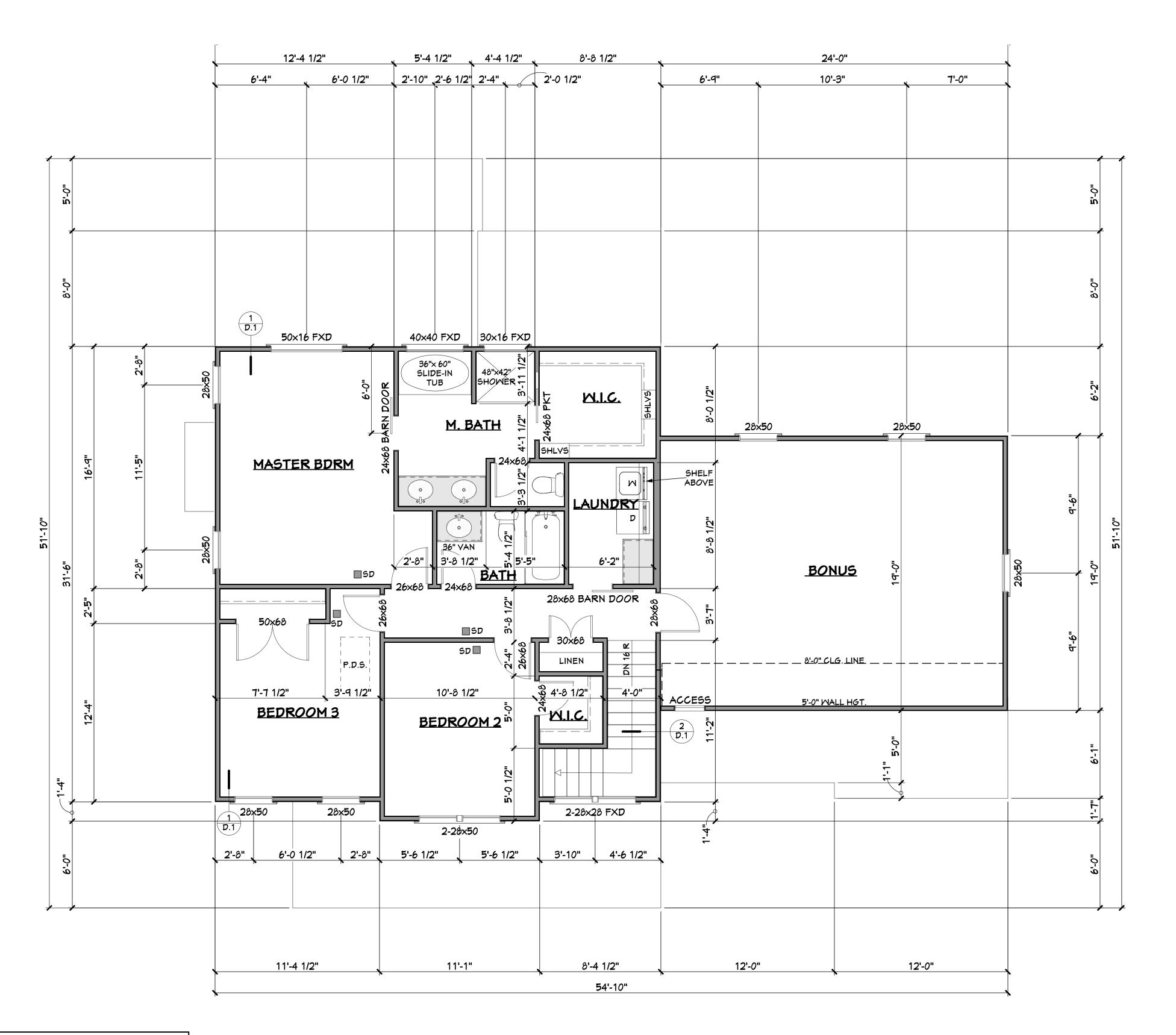
CHECKED BY: J.T.S.

REVISIONS:

DATE: 6/19/2020

SHEET:

2.1



PLAN NOTES:

DOOR/WINDOW SYMBOL 28×68 REPRESENTS A 2'-8" WIDE X 6'-8" TALL DOOR.

ROUGH FRAME ALL CASED OPENINGS 2" BIGGER THAN FINISHED OPENINGS CALL FOR.

ALL WALLS 2x4 UNLESS NOTED OTHERWISE.

ALL EXTERIOR DIMENSIONS ARE TO THE OUTSIDE OF SHEATHING. INTERIOR DIMENSIONS ARE FROM FACE OF STUD.

BOTTOM OF WINDOW CLEAR OPENINGS SHALL BE MORE THAN 24" ABOVE FINISH FLOOR OR A FALL PREVENTION DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R612.3 OF THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.

econd Floor Plan	Scale: 1/4"=1'-0"
8'-0" CLG. HGT.	SET WINDOWS @ 7'-2" A.F.F.

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PROJECT NUMBER: 4427

DRAWN BY:
J.A.D.

CHECKED BY: J.T.S.

REVISIONS:

DATE: 6/19/2020

SHEET:

2.2

STAIR PICKETS SHALL

NOT BE ABLE TO PASS

THRU BETWEEN

BE SPACED SUCH THAT— A 4"DIA. SPHERE MAY

(SEE ELEVATIONS FOR ROOF SLOPES AND

[∠] 4" GRAVEL BASE

(SEE FND. PLAN)

TWO-STORY WALL SECTION WISIDING

NOTE - PERIMETER SLAB INSULATION MAY BE DELETED IF CONSTRUCTION IS LOCATED IN CLIMATE ZONE 3.

6 MIL THICK VAPOR BARRIER

MONO SLAB FOUNDATION

3000 PSI CONCRETE FOOTING W/ (2) #4 HORIZONTAL CONTINUOUS RE-BAR

FIBER GLASS SHINGLE ROOFING (CLASS 'C' MIN.)

ENERGY HEEL HGT. PER — TRUSS MANUFACTURER

CONTINUOUS 2x BAND

VENTED & NON-VENTED FIBER CEMENT SOFFIT

SIDING AS SPECIFIED

CONT. (2) 2×4 TOP PLATE

1/2" O.S.B. SHEATHING W/ HOUSE WRAP OVER

1/2" O.S.B. SHEATHING W/ WEATHER RESISTANT BARRIER

CONTINUOUS TREATED 2x4 SILL PLATE W/ ANCHOR BOLTS AS PER FND. PLAN

APPROX. FINISH GRADE LINE (SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE)

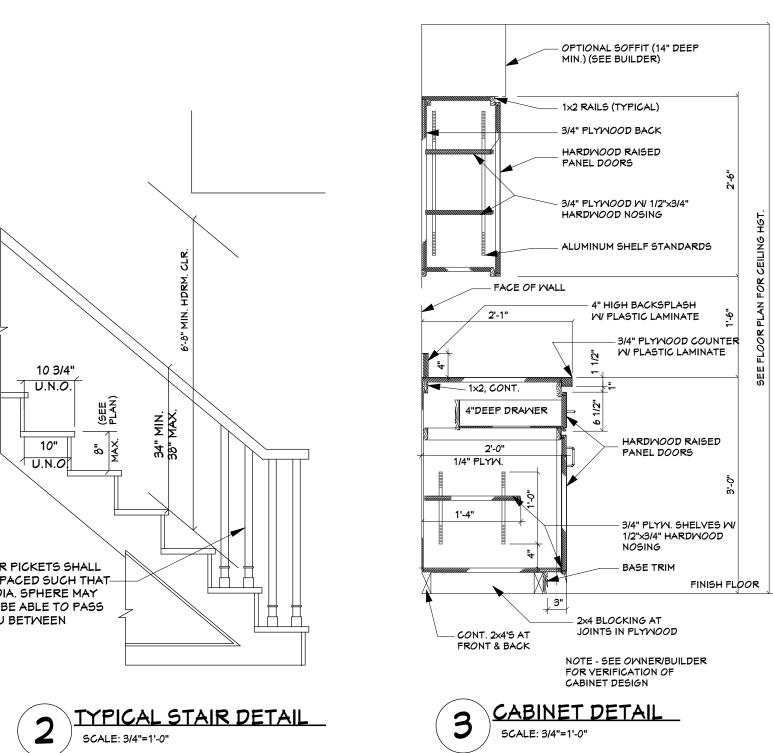
SCALE: 3/4"=1'-0"

SEE ROOF PLAN FOR OVERHANG DIMS.

CORNICE TRIM -

1/2" OR 7/16" PLYWOOD DECKING W/PLY CLIPS AT JOINTS

15# BLDG. PAPER UNDER SHINGLES



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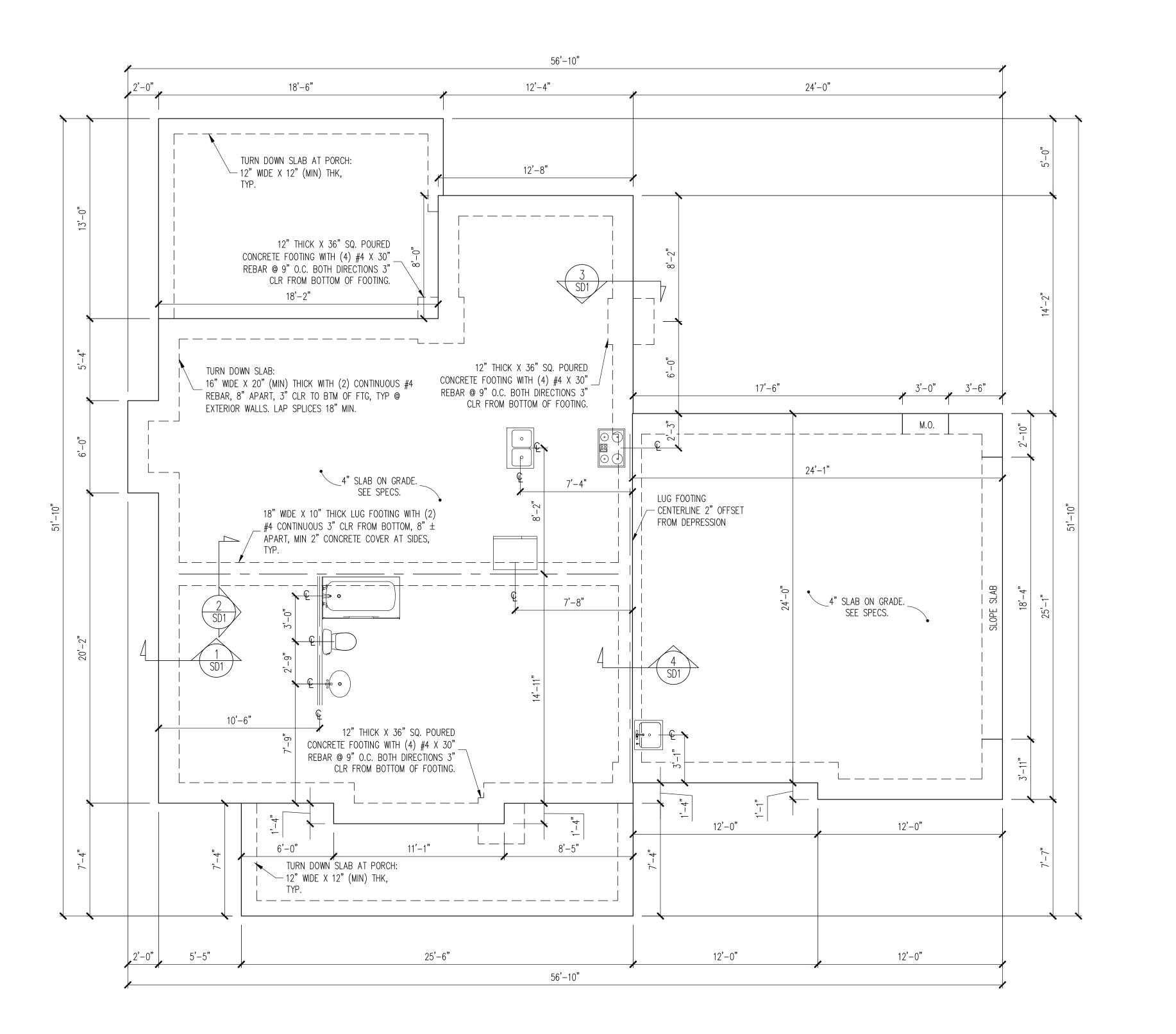
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J.A.D. CHECKED BY:

J.T.S. REVISIONS:

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ASSOCIATES, P.A. Phone

BQUEST HOMES
STRUCTURAL ADDENDUM
1070 W STRICKLAND RD
DOUGLAS RESIDENCE

ENG: NBG/MEB
DATE: 6-19-2020

PROJECT NO. 20-18-207

SHEET NO.

S1

1 of 5

NOTES:

-HEIGHT AND BACKFILL LIMITATIONS FOR
FOUNDATION WALLS ARE TO BE GOVERNED
BY THE NCSBC, LATEST EDITION.
REINFORCEMENT AND GROUTING SHALL BE
DETERMINED BY FINAL SITE CONDITIONS.

PLAN DESIGNED UNDER

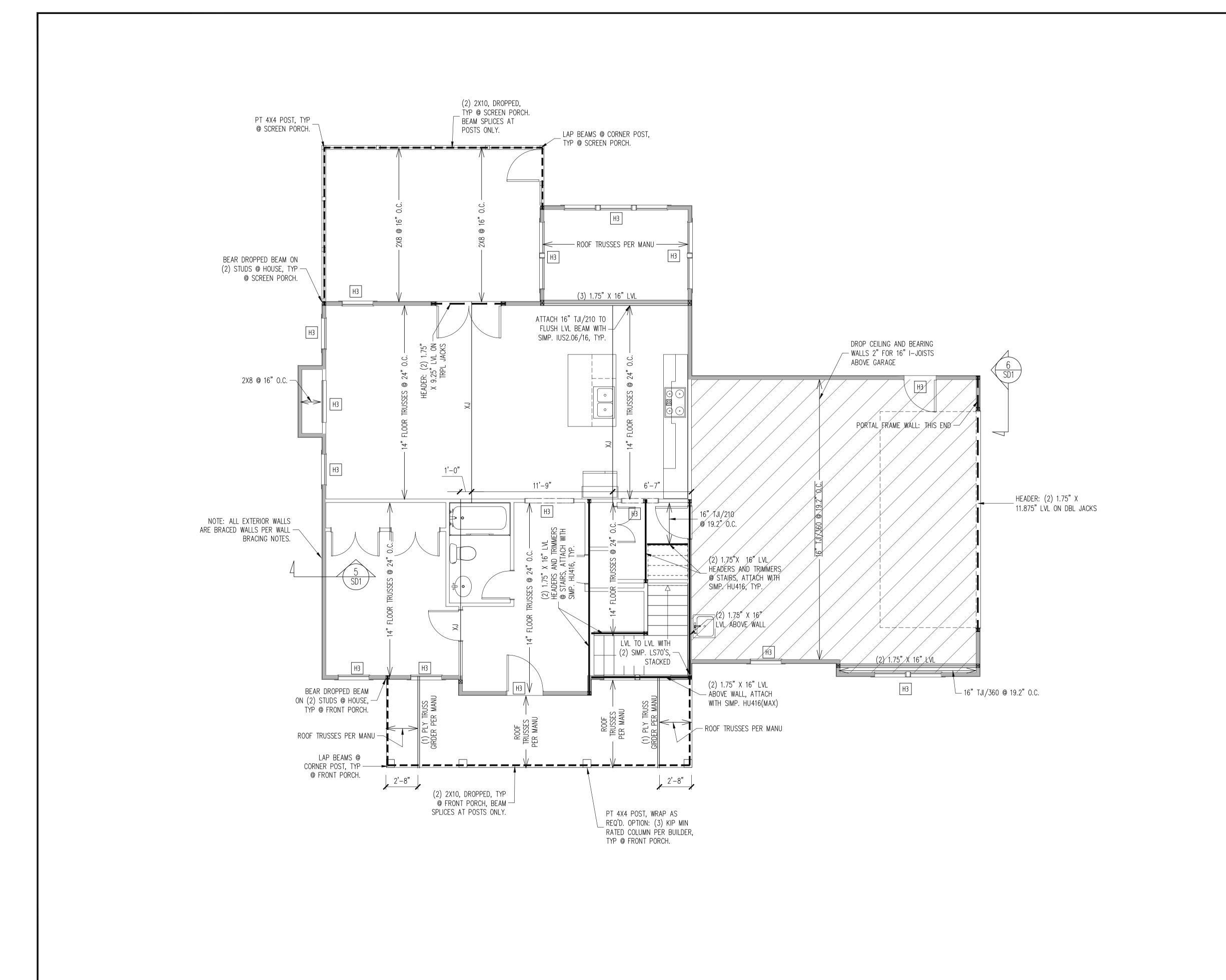
2018 NORTH CAROLINA

RESIDENTIAL CODE

-PLUMBING SHOWN FOR REFERENCE ONLY.
BUILDER VERIFY FINAL FIXTURE LOCATIONS,
SIZES AND REQUIREMENTS PRIOR TO
INSTALLATION.

FOUNDATION PLAN

1/4" = 1'-0"





BQUEST HOMES
STRUCTURAL ADDENDUM
1070 W STRICKLAND RD
DOUGLAS RESIDENCE

ENG: NBG/MEB

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SHEET NO.

WALL BRACING

CONSTRUCTION SPECIFICATIONS

INSTANT REFERENCES

REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION:

PART 1.01: <u>CURRENT GOVERNING CODE</u>

PART 14: <u>STUD SUPPORT FOR BEAMS</u>

PART 17: KING STUDS FOR EXTERIOR WALLS

SEE DETAIL / CONSTRUCTION SPECIFICATIONS

SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS

SHADED WALLS:

ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.

PROVIDED CONTINUOUS SHEATHING = 197' MIN.

REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.

HEADER SCHEDULE

- H1 SINGLE 2X4 TURNED FLAT (A)
- \parallel H2 (2) 2X4'S ON SINGLE JACKS (B)
- \parallel H3 (2) 2X10'S ON SINGLE JACKS (C)
- H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS
- H5 (3) 2X10'S ON SINGLE JACKS -----
- (A) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX.
- (B) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPNG 38" TO 74" MAX.
- (C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO.

-HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED.

1ST FLOOR FRAMING PLAN

WALLS AND CEILING 2 of 5 1/4" = 1'-0"



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PROJECT NO.

20-18-207

SHEET NO.

-----PROVIDED CONTINUOUS SHEATHING = 127' MIN.

CONSTRUCTION SPECIFICATIONS INSTANT REFERENCES

REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION:

PART 17: KING STUDS FOR EXTERIOR WALLS

SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS

WALL BRACING

PART 1.01: <u>CURRENT GOVERNING CODE</u>

PART 14: <u>STUD SUPPORT FOR BEAMS</u>

SHADED WALLS:

IN PANEL FIELD.

REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.

ALL EXTERIOR STUD WALLS, EXTERIOR SIDE,

ARE TO BE CONTINUOUSLY SHEATHED WITH

7/16 APA RATED OSB NAILED TO STUDS WITH

8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C.

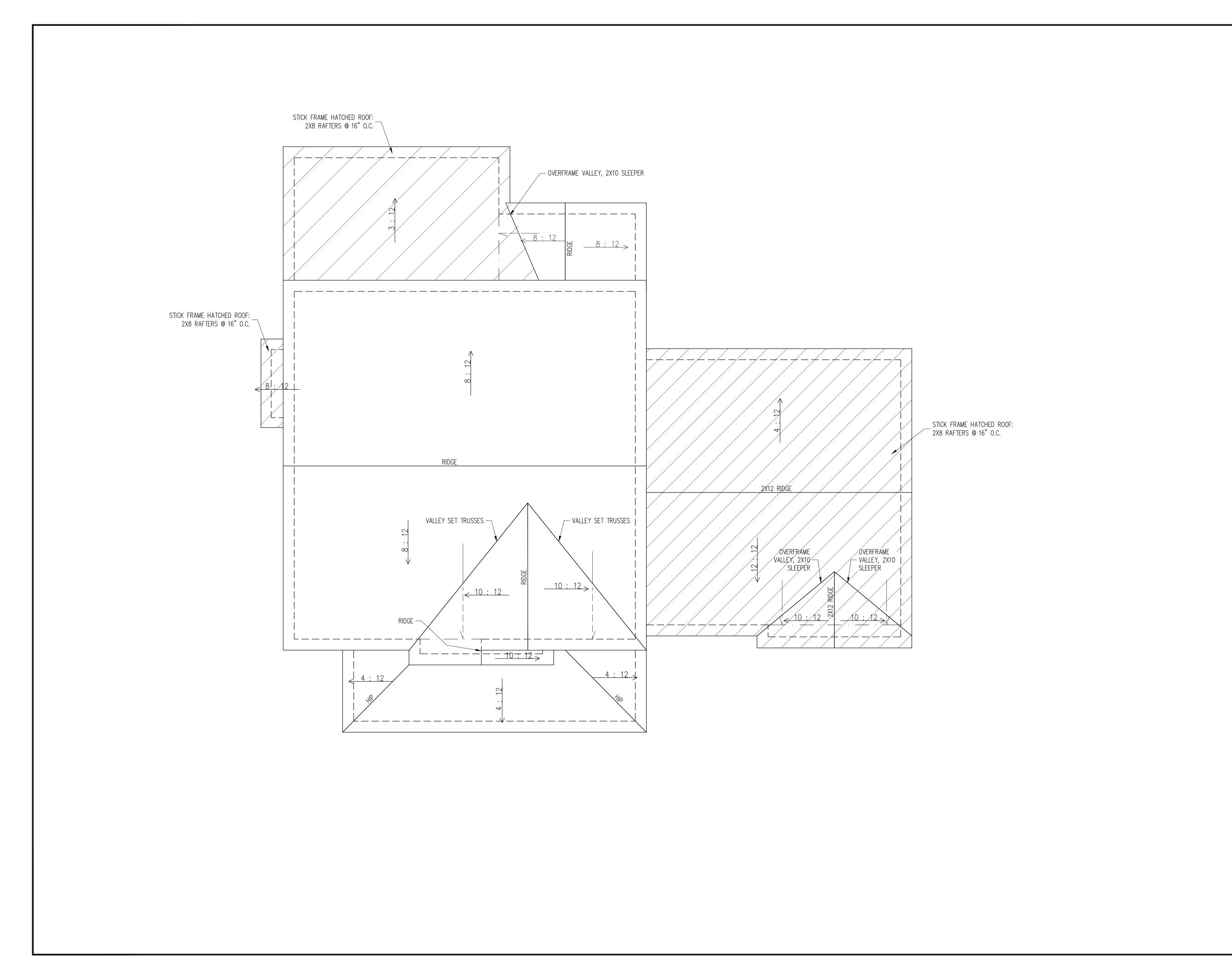
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-HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED.

2ND FLOOR FRAMING PLAN WALLS AND CEILING

3 of 5 1/4" = 1'-0"





BQUEST HOMES
STRUCTURAL ADDENDUM
1070 W STRICKLAND RD
DOUGLAS RESIDENCE

-VERIFY ROOF PITCHES, OVERHANG LENGTHS, AND KNEEWALL FRAMING HGTS WITH ARCHITECTURAL DRAWINGS, TYPICAL. TRUSS UPLIFT CONNECTORS

FRAMING NOTES

ROOF ONLY

-COMMON RAFTERS 2X8 @ 16" O.C. TYP U.N.O. -COLLAR TIES 2X4 EVERY 3RD SET OF RAFTERS TYP U.N.O. -ROOF PITCHES 12:12 TYP U.N.O.

EXPOSURE B, 120 MPH, ANY PITCH 24" O.C. MAX ROOF TRUSS SPACING TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE BELOW.

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

ROOF SPAN UP TO 18'

NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION

OVER 18'

(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM

FRAMING NOTES

-ROOF TRUSSES PER MANU. TYPICAL U.N.O.

-VERIFY ALL KNEEWALL HEIGHTS, ROOF PITCHES, AND ARCHITECTURAL OVERHANGS PRIOR TO CONSTRUCTION

ROOF FRAMING PLAN

1/4" = 1'-0"

SHEET NO.

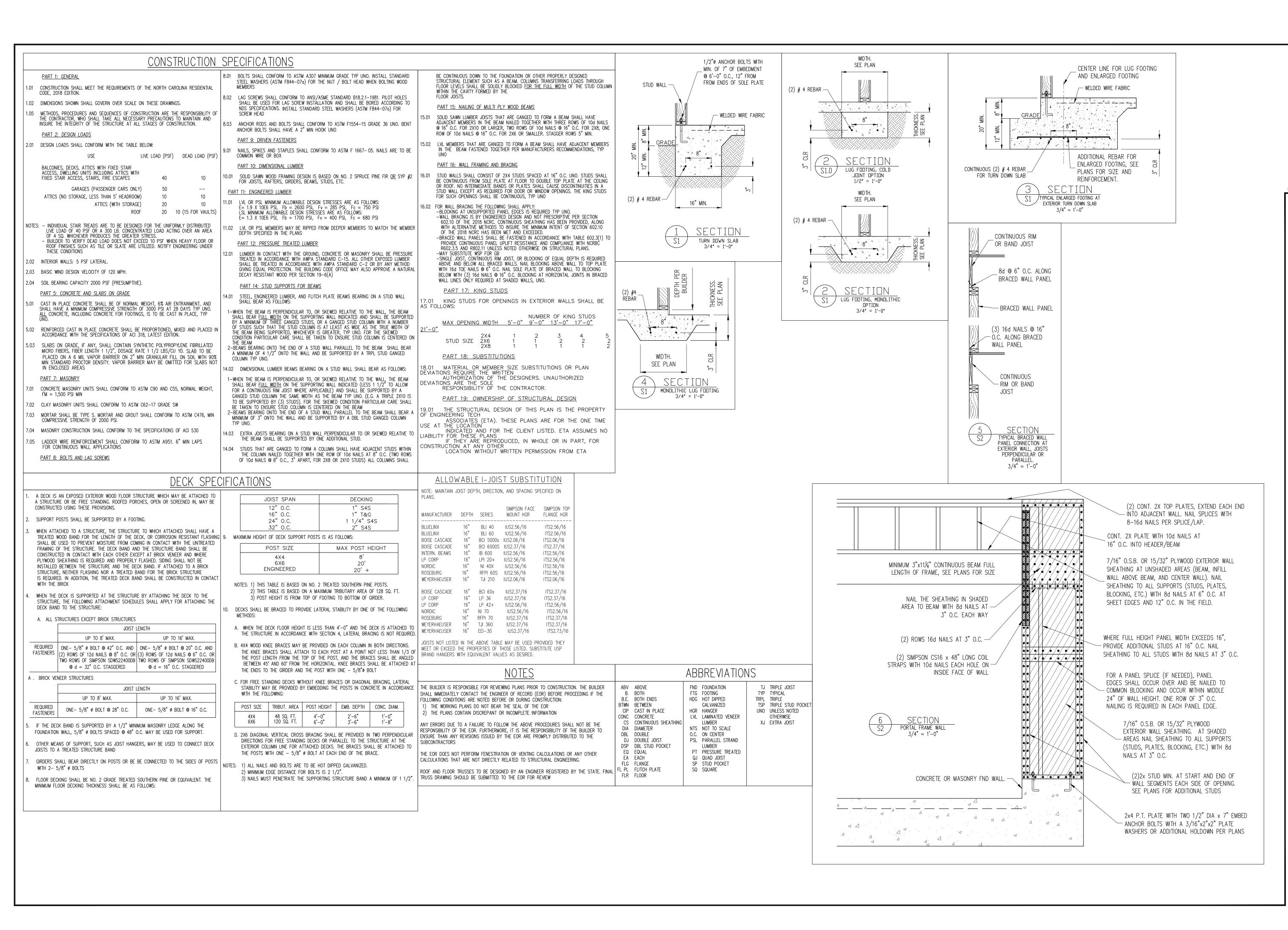
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20-18-207

4 of 5



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SHEET NO.

SD1

5 of 5