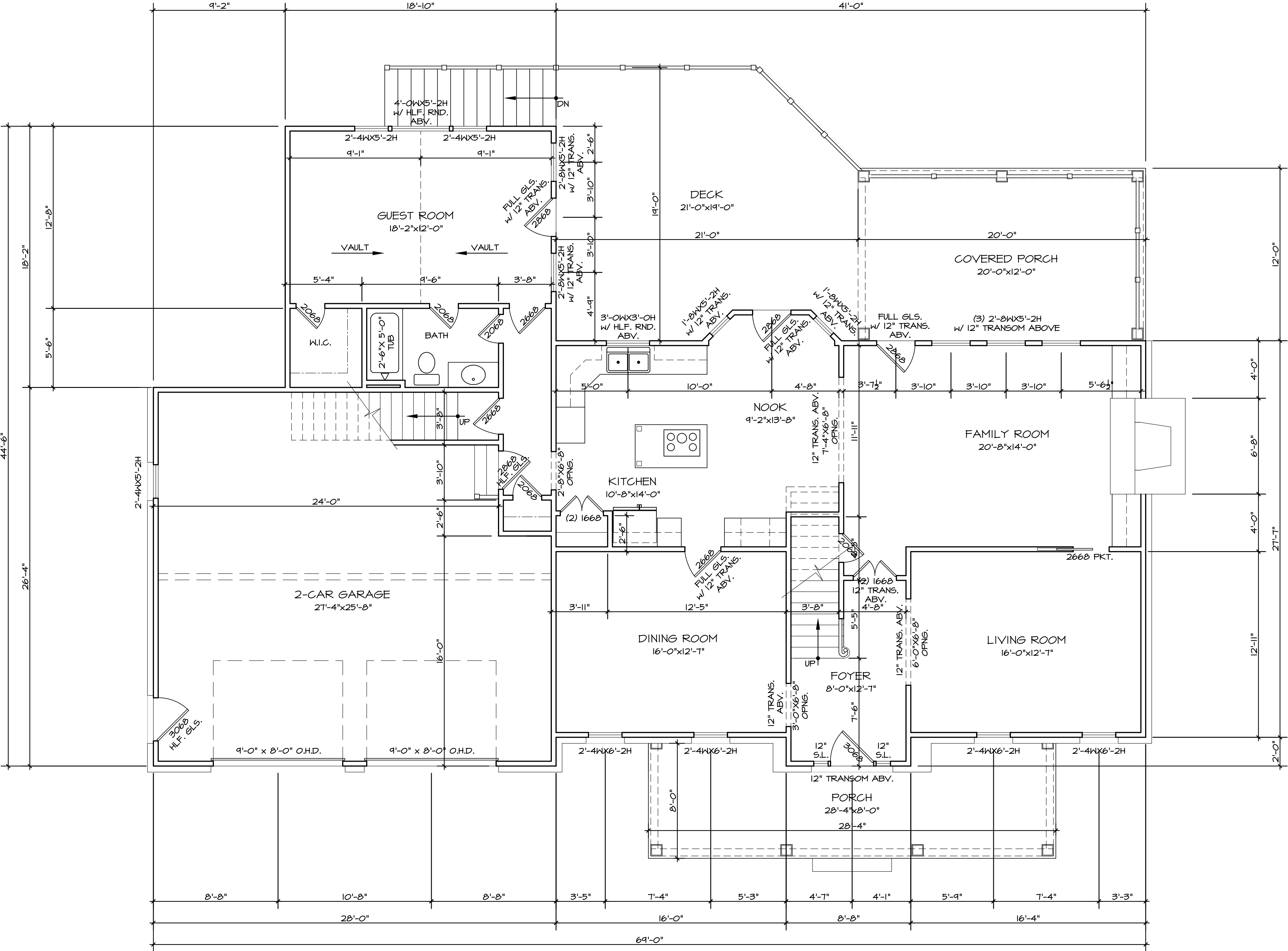


AREA CALCULATIONS

EXISTING			
HEATED (SQ. FT.)		UNHEATED (SQ. FT.)	
FIRST FLOOR:	1,538 SF	GARAGE:	634 SF
SECOND FLOOR:	1,728 SF	PORCH:	205 SF
THIRD FLOOR:	538 SF	DECK:	362 SF
		COVERED PORCH:	240 SF
TOTAL:	3,804 SF	TOTAL:	1,441 SF
(HEATED)		(UNHEATED)	



EXISTING 1ST FLOOR PLAN
1/4"=1'-0"

A WAY DRAFTING
SOLUTIONS
CONTACT:
AARON HATHAWAY
ADHATHAWAY@HOTMAIL.COM
919-452-7086

BRIAN H. MURRAY
INTERIOR DESIGNS
CONTACT:
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919-619-9110

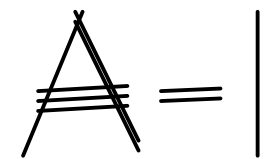
RESIDENCE.
150 LOCHWOOD WEST DR.
CARY, NC 27518

DATE:
8.22.2019

REVISION	BY

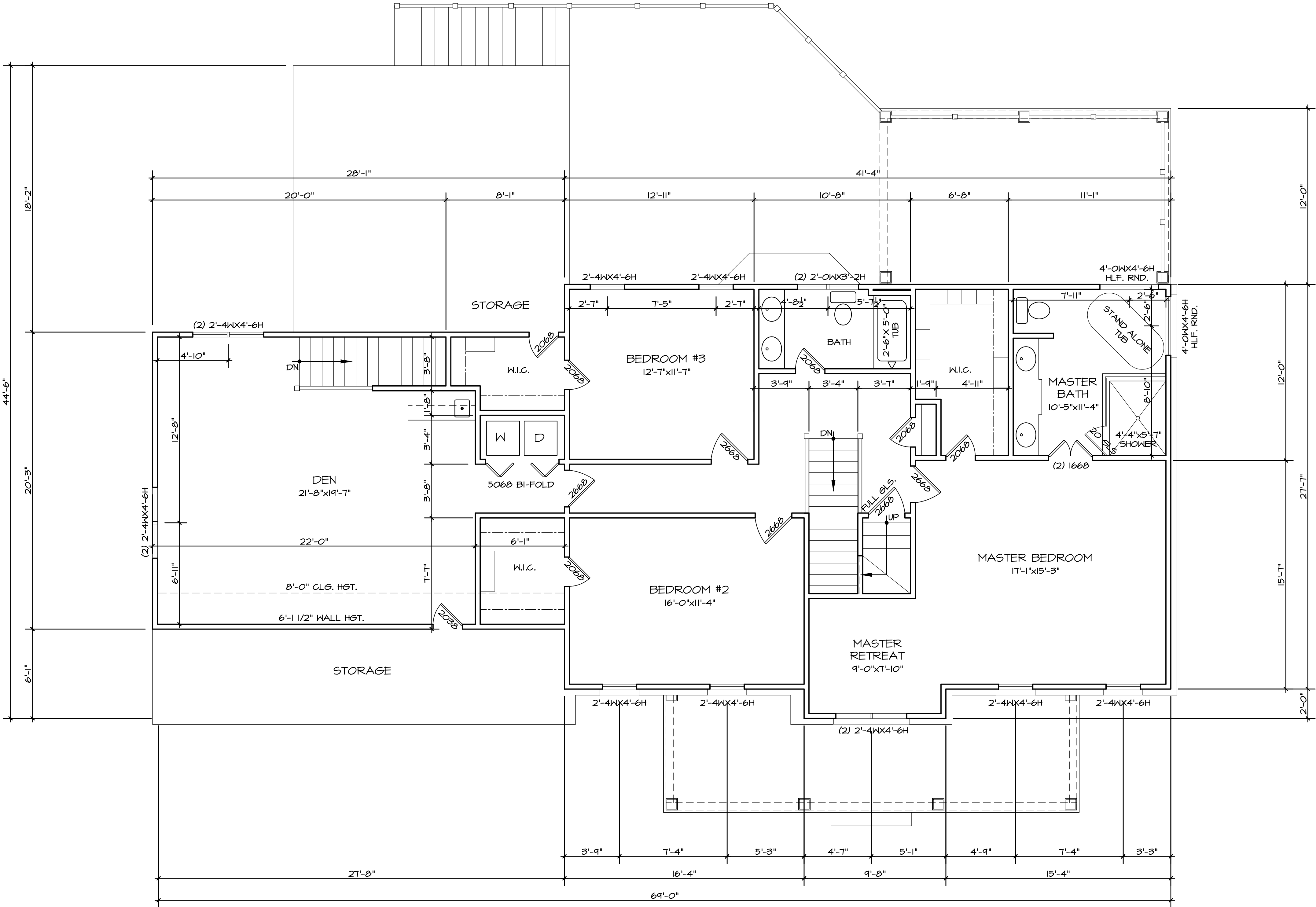
EXISTING
1ST FLOOR
PLAN

SC: 1/4"=1'-0"



AREA CALCULATIONS

EXISTING			
HEATED (SQ. FT.)		UNHEATED (SQ. FT.)	
FIRST FLOOR:	1,538 SF	GARAGE:	634 SF
SECOND FLOOR:	1,728 SF	PORCH:	205 SF
THIRD FLOOR:	538 SF	DECK:	362 SF
		COVERED PORCH:	240 SF
TOTAL:	3,804 SF	TOTAL:	1,441 SF
(HEATED)		(UNHEATED)	



1

EXISTING 2ND FLOOR PLAN

1/4"=1'-0"

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EXISTING
2ND FLOOR
PLAN

SC: 1/4"=1'-0"

A=2

<u>EXISTING</u>	
<u>HEATED (SQ. FT.)</u>	<u>UNHEATED (SQ. FT.)</u>
FIRST FLOOR: 1,538 SF	GARAGE: 634 SF
SECOND FLOOR: 1,728 SF	PORCH: 205 SF
THIRD FLOOR: 538 SF	DECK: 362 SF
	COVERED PORCH: 240 SF
TOTAL: 3,804 SF	TOTAL: 1,441 SF
(HEATED)	(UNHEATED)

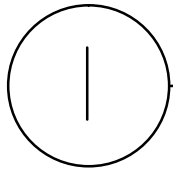
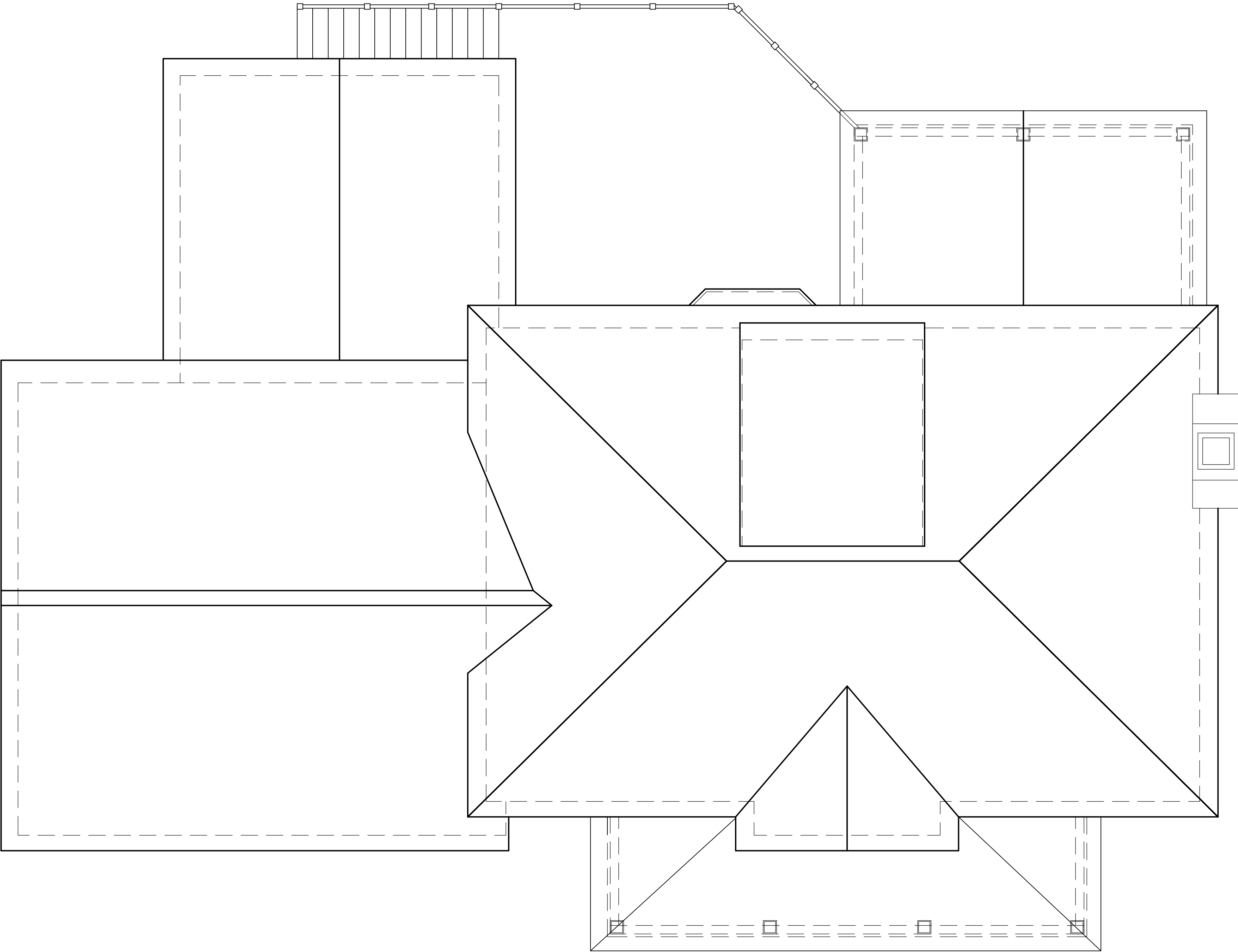


BRIAN H. MURRAY
INTERIOR DESIGNS

CONTACT:
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BRIAN@BRIANHURRAY.COM
919-619-9110

DATE: 8.22.2019

SC: 1/4"-1'0"



EXISTING ROOF PLAN

1/4"=1'-0"

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SOLUTIONS

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RESIDENCE.
150 LOCHWOOD WEST DR.
CARY, NC 27518

DATE:
8.22.2019

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EXISTING
ROOF
PLAN

SC: 1/4"-1'0"



2 REAR ELEVATION
1/4"=1'-0"



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

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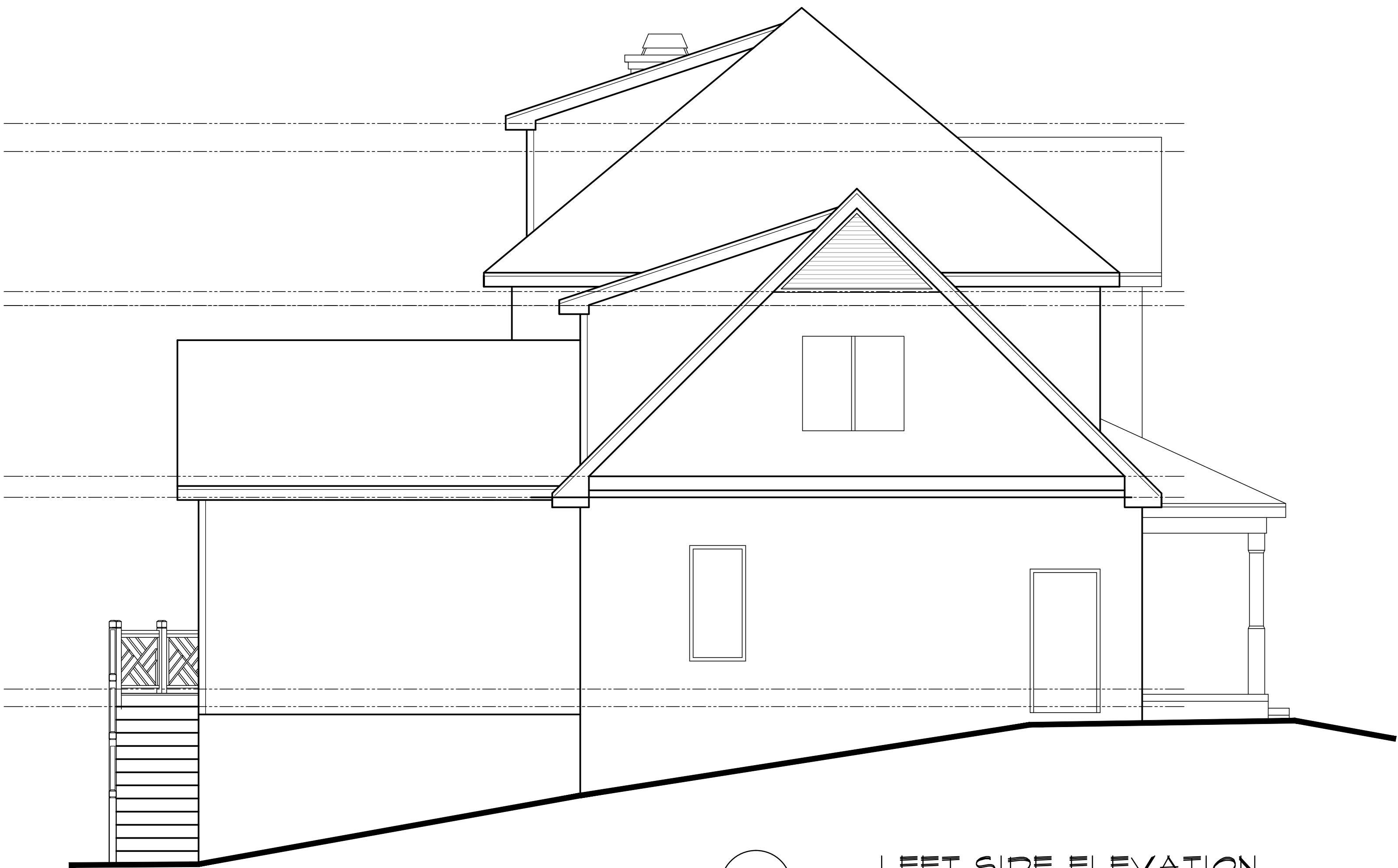
DATE:
8.22.2019

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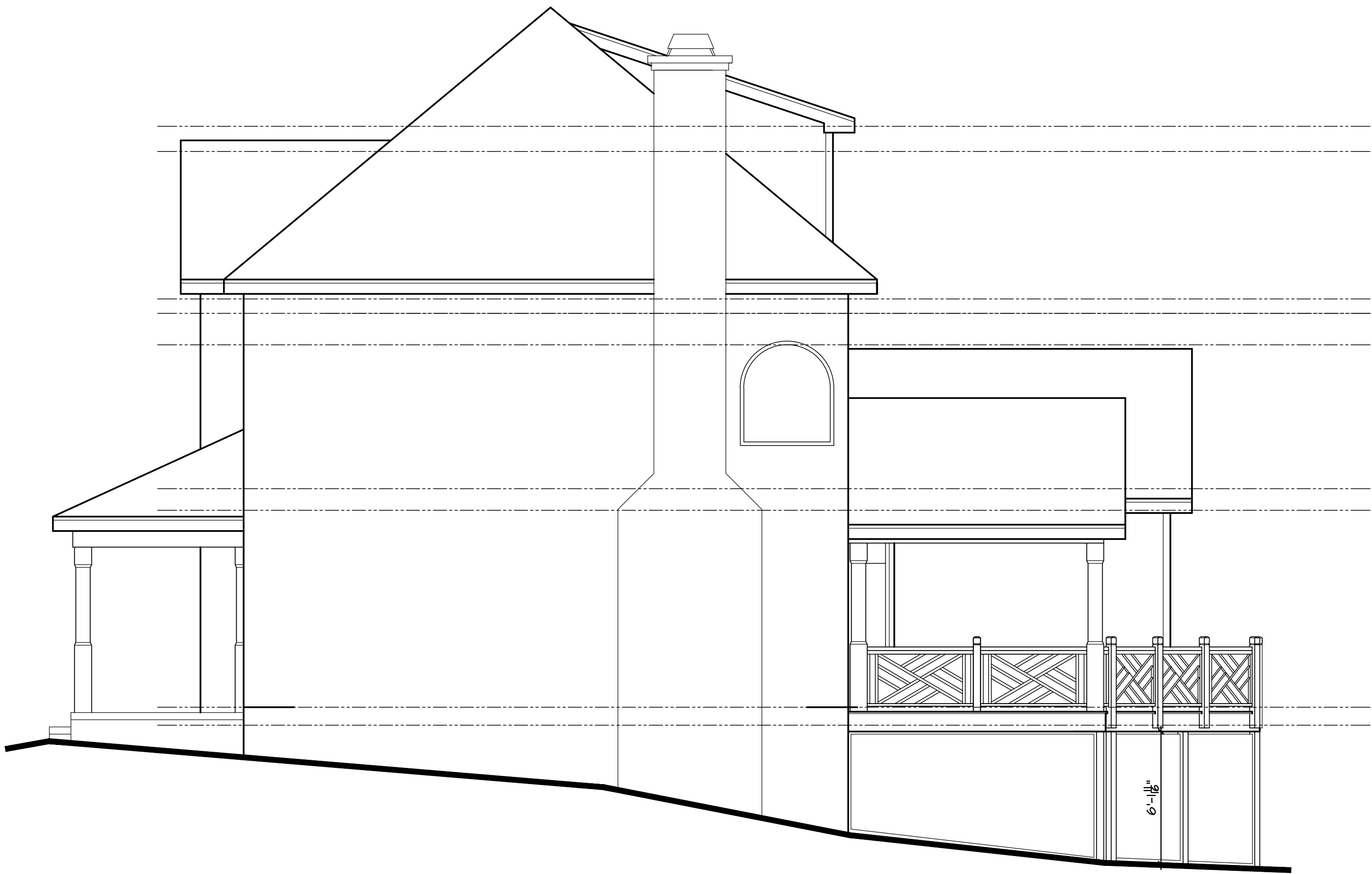
EXISTING
BUILDING
ELEVATIONS

SC: 1/4"=1'-0"

A-5



② LEFT SIDE ELEVATION
1/4"=1'-0"



① RIGHT SIDE ELEVATION
1/4"=1'-0"

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RESIDENCE.
150 LOCHWOOD WEST DR.
CARY, NC 27518

DATE:
8.22.2019

REVISION	BY

EXISTING
BUILDING
ELEVATIONS

SC: 1/4"=1'-0"

A=6

AREA CALCULATIONS

EXISTING	ADDITION	TOTAL
HEATED (SQ. FT.)	HEATED (SQ. FT.)	HEATED (SQ. FT.)
BASEMENT: N/A SF	BASEMENT: 541 SF	BASEMENT: 541 SF
FIRST FLOOR: 1,538 SF	FIRST FLOOR: 354 SF	FIRST FLOOR: 1,892 SF
SECOND FLOOR: 1,728 SF	SECOND FLOOR: 459 SF	SECOND FLOOR: 2,187 SF
THIRD FLOOR: 538 SF	THIRD FLOOR: N/A SF	THIRD FLOOR: 538 SF
TOTAL: 3,804 SF	TOTAL: 1,354 SF	TOTAL: 5,158 SF
(HEATED)	(HEATED)	(HEATED)

AREA CALCULATIONS

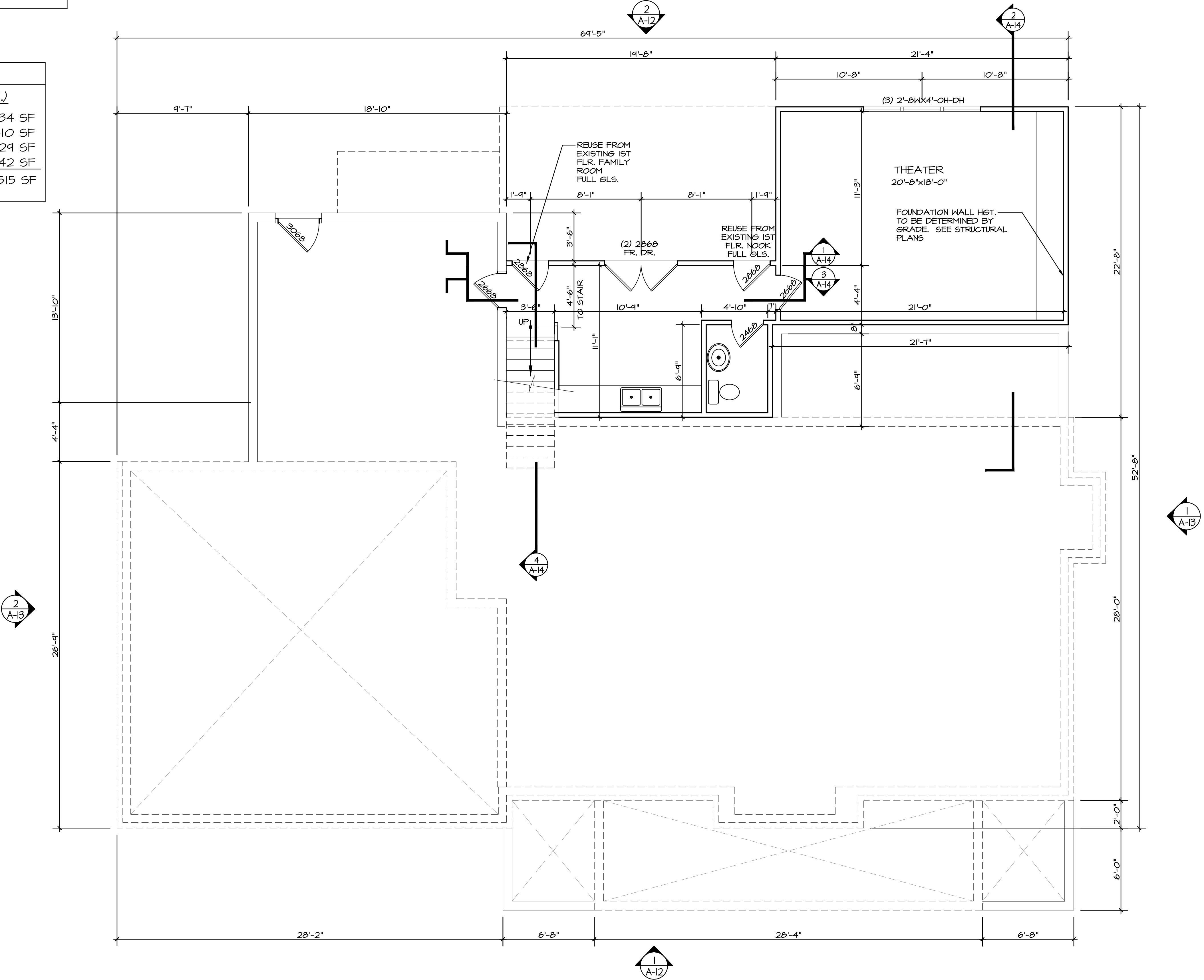
EXISTING	ADDITION	TOTAL
UNHEATED (SQ. FT.)	UNHEATED (SQ. FT.)	UNHEATED (SQ. FT.)
GARAGE: 634 SF	GARAGE: N/A SF	GARAGE: 634 SF
PORCH: 205 SF	PORCH: 105 SF	PORCH: 310 SF
DECK: 362 SF	DECK: -133 SF	DECK: 229 SF
COV. PORCH: 240 SF	COV. PORCH: 102 SF	COV. PORCH: 342 SF
TOTAL: 1,441 SF	TOTAL: 74 SF	TOTAL: 1,515 SF
(UNHEATED)	(UNHEATED)	(UNHEATED)

PLANS DESIGNED TO THE 2018 NORTH CAROLINA RESIDENTIAL CODE.
HOUSE DESIGNED FOR 100 MPH 3 SECOND GUST (85 FASTEST WIND), EXPOSURE B
ANCHOR BOLTS SHALL BE MIN. 1/2" DIAMETER & SHALL EXTEND A MINIMUM 7" INTO MASONRY OR CONCRETE.
ANCHOR BOLTS TO BE NO MORE THAN 6' O.C. AND WITHIN 12" OF THE CORNER
MEAN ROOF HEIGHT = < 30'
WALL BRACING IS REQUIRED. THE DESIGNER MUST SPECIFY METHOD OF BRACING PER SECTION R602.10 (NC 2018 RESIDENTIAL BUILDING CODE) AND PROVIDE DETAIL.
COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS
MEAN ROOF HEIGHT UP TO 30' 30'-1" - 35' 35'-1" - 40' 40'-1" - 45'
ZONE 1 16.7, -18.0 17.5, -18.9 18.2, -19.6 18.7, -20.2
ZONE 2 16.7, -21.0 17.5, -22.1 18.2, -22.9 18.7, -23.5
ZONE 3 16.7, -21.0 17.5, -22.1 18.2, -22.9 18.7, -23.5
ZONE 4 18.2, -19.0 19.1, -20.0 19.8, -20.7 20.4, -21.3
ZONE 5 18.2, -24.0 19.1, -25.2 19.8, -26.2 20.4, -26.9
MINIMUM VALUES FOR ENERGY COMPLIANCE:
ZONE 4 MAX GLAZING U-FACTOR = 0.35
CEILING R-38 WALLS R-15 FLOORS R-19

NOTES:

- PLANS DESIGNED UNDER 2018 NORTH CAROLINA RESIDENTIAL CODE.
- ALL ANGLED WALLS ARE 45 ° UNLESS NOTED OTHERWISE.
- FINISH DOOR AND WINDOW HEADS SHALL ALIGN EXCEPT AS NOTED.
- ALL MATERIALS AND COMPONENTS MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- GRADES SHOWN ARE ILLUSTRATIVE. NATURAL GRADE WILL DETERMINE FINISH GRADE.
- FLOOR PLAN NOTATIONS GOVERN OVER ELEVATION SCALE.
- VERIFY ALL WINDOW SIZES, RADIUS, AND DETAILS WITH CHOSEN MANUFACTURE.
- ALL HABITABLE ROOMS SHALL MEET LIGHT/VENTILATION & EGRESS REQUIREMENTS.
- TEMPERED GLASS TO BE USED AT ALL SAFETY REQUIRED LOCATIONS.
- ALL WINDOW GLAZING TO HAVE 0.35 U-FACTOR MIN.
- IF THE EXTERIOR SILL HEIGHT ABOVE GRADE EXCEEDS 72" AND THE INTERIOR SILL HEIGHT ABOVE FINISHED FLOOR IS LESS THAN 24" THEN WINDOW FALL PREVENTION SHALL BE PROVIDED BY ONE OF THE FOLLOWING:
1.) OPERABLE WINDOWS WITH OPENINGS THAT, WHEN IN THEIR LARGEST OPEN POSITION, WILL NOT ALLOW THE PASSAGE OF A 4" SPHERE.
2.) OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW FALL PREVENTION DEVICES THAT COMPLY WITH ASTM F2090.
3.) OPERABLE WINDOWS THAT ARE PROVIDED WITH CONTROL DEVICES THAT COMPLY WITH SECTION R312.2.2 OF NC RESIDENTIAL BUILDING CODE.
(WINDOW OPENING CONTROL DEVICES COMPLYING WITH ASTM F2090 SHALL BE PERMITTED ON SERVING AS EGRESS.)
- ALL CABINET DESIGNS/LAYOUTS TO BE VERIFIED WITH SHOP DRAWINGS FROM CABINET MANUFACTURER.
- PER 2018 N.C. RESIDENTIAL BUILDING CODE TABLE R302.6: SHEETROCK ON GARAGE CEILING TO BE 5/8" TYPE "X".
- HANDRAILS TO BE PROVIDED ON AT LEAST ONE SIDE OF STAIR WELL. THEY ARE TO BE BETWEEN 34"-38" ABOVE STAIR NOSING AND CONTINUOUS FOR FULL LENGTH OF STAIR RUN. A MINIMUM OF 1 1/2" IS TO BE MAINTAINED BETWEEN ADJACENT WALL AND HANDRAIL. SEE SECTION R311.7.1.3 OF 2018 NC RESIDENTIAL BUILDING CODE FOR GRIP SIZE OPTIONS.
- PORCH AND DECK GUARDRAIL AND RAILING CONSTRUCTION TO MEET OR EXCEED NC 2018 RESIDENTIAL CODE SECTION R312.1.1 THROUGH 312.1.4 IF PORCH OR DECK EXCEEDS 30" ABOVE GRADE.
- ALL THERMAL INSULATION TO MEET OR EXCEED NC ENERGY CODE PER TABLE N102.1.2 IN CHAPTER 11 OF 2018 NC RESIDENTIAL BUILDING CODE.

ZONE 4
FENESTRATION U-Factor - 0.35
GLAZED FENESTRATIONS - 0.30
CEILING R-VALUE - 38
WOOD FRAMED WALL R-VALUE - 15
FLOOR R-VALUE - 19



PROPOSED BASEMENT PLAN
1/4"=1'-0"

A WAY DRAFTING
SOLUTIONS

CONTACT:
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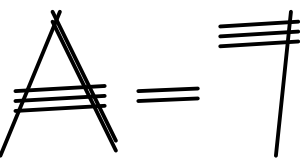
RESIDENCE.
150 LOCHWOOD WEST DR.
CARY, NC 27518

DATE:
8.22.2019

REVISION	BY

PROPOSED
BASEMENT
PLAN

SC:1/4"-1'-0"



AREA CALCULATIONS

EXISTING		ADDITION		TOTAL	
HEATED (SQ. FT.)		HEATED (SQ. FT.)		HEATED (SQ. FT.)	
BASEMENT:	N/A SF	BASEMENT:	541 SF	BASEMENT:	541 SF
FIRST FLOOR:	1,538 SF	FIRST FLOOR:	354 SF	FIRST FLOOR:	1,892 SF
SECOND FLOOR:	1,728 SF	SECOND FLOOR:	459 SF	SECOND FLOOR:	2,187 SF
THIRD FLOOR:	538 SF	THIRD FLOOR:	N/A SF	THIRD FLOOR:	538 SF
TOTAL:	3,804 SF	TOTAL:	1,354 SF	TOTAL:	5,158 SF
(HEATED)		(HEATED)		(HEATED)	

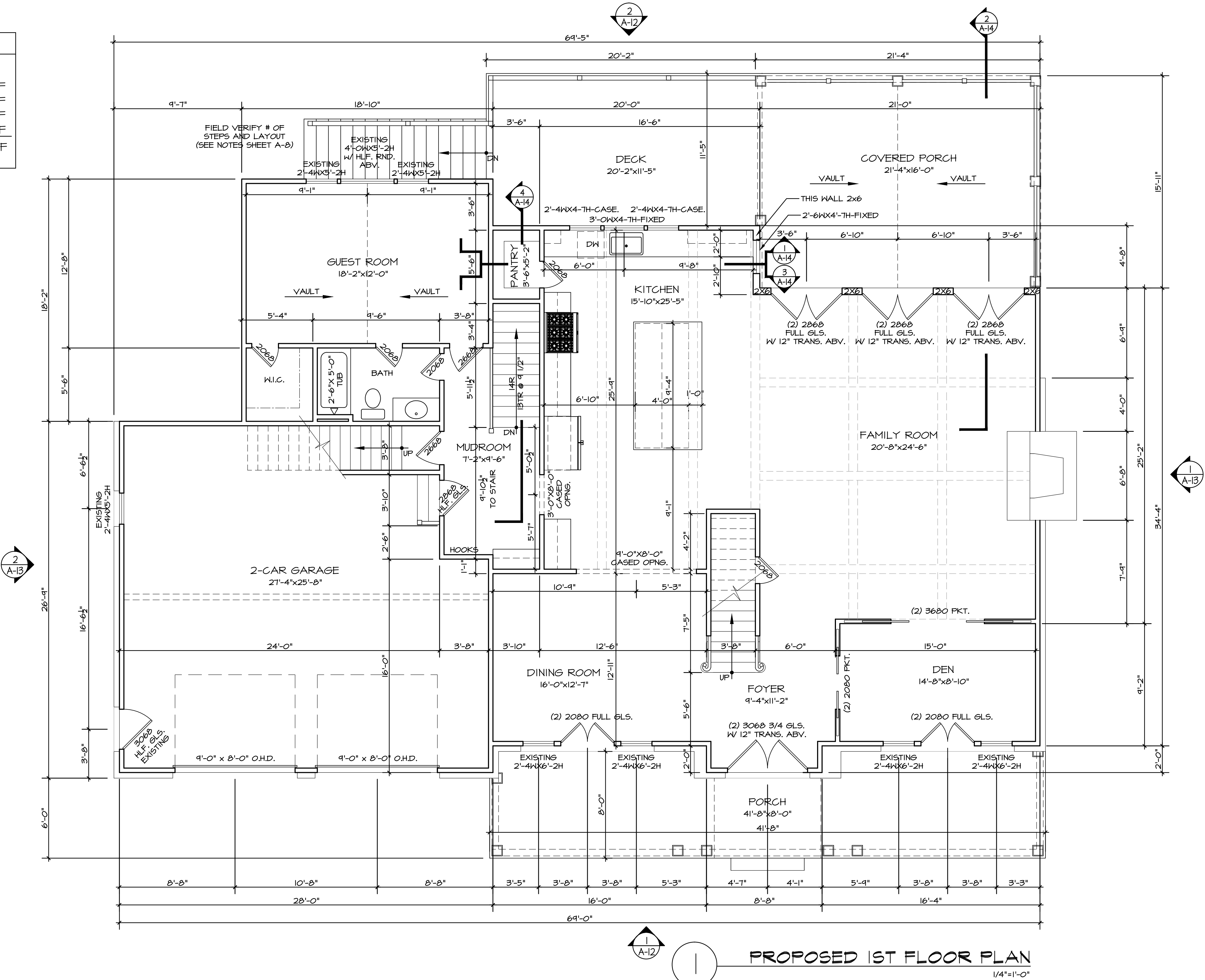
AREA CALCULATIONS

EXISTING		ADDITION		TOTAL	
UNHEATED (SQ. FT.)		UNHEATED (SQ. FT.)		UNHEATED (SQ. FT.)	
GARAGE:	634 SF	GARAGE:	N/A SF	GARAGE:	634 SF
PORCH:	205 SF	PORCH:	105 SF	PORCH:	310 SF
DECK:	362 SF	DECK:	-133 SF	DECK:	229 SF
COV. PORCH:	240 SF	COV. PORCH:	102 SF	COV. PORCH:	342 SF
TOTAL:	1,441 SF	TOTAL:	74 SF	TOTAL:	1,515 SF
(UNHEATED)		(UNHEATED)		(UNHEATED)	

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MINIMUM VALUES FOR ENERGY COMPLIANCE:
ZONE 4 MAX GLAZING U-FACTOR = 0.35
CEILING R-38 WALLS R-15 FLOORS R-19

NOTES:

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3) OPERABLE WINDOWS THAT ARE PROVIDED WITH CONTROL DEVICES THAT COMPLY WITH SECTION R312.2.2 OF NC RESIDENTIAL BUILDING CODE.
(WINDOW OPENING CONTROL DEVICES COMPLYING WITH ASTM F2090 SHALL BE PERMITTED ON SERVING AS EGRESS.)
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- ZONE 4
FENESTRATION U-Factor - 0.35
GLAZED FENESTRATIONS - 0.30
CEILING R-VALUE - 38
WOOD FRAMED WALL R-VALUE - 15
FLOOR R-VALUE - 19



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RESIDENCE.
150 LOCHWOOD WEST DR.
CARY, NC 27518

DATE:
8.22.2019

REVISION	BY

PROPOSED
1ST FLR.
PLAN

SC: 1/4"=1'-0"

A=8

AREA CALCULATIONS

EXISTING		ADDITION		TOTAL	
HEATED (SQ. FT.)		HEATED (SQ. FT.)		HEATED (SQ. FT.)	
BASEMENT:	N/A SF	BASEMENT:	541 SF	BASEMENT:	541 SF
FIRST FLOOR:	1,538 SF	FIRST FLOOR:	354 SF	FIRST FLOOR:	1,892 SF
SECOND FLOOR:	1,728 SF	SECOND FLOOR:	459 SF	SECOND FLOOR:	2,187 SF
THIRD FLOOR:	538 SF	THIRD FLOOR:	N/A SF	THIRD FLOOR:	538 SF
TOTAL:	3,804 SF	TOTAL:	1,354 SF	TOTAL:	5,158 SF
(HEATED)		(HEATED)		(HEATED)	

AREA CALCULATIONS

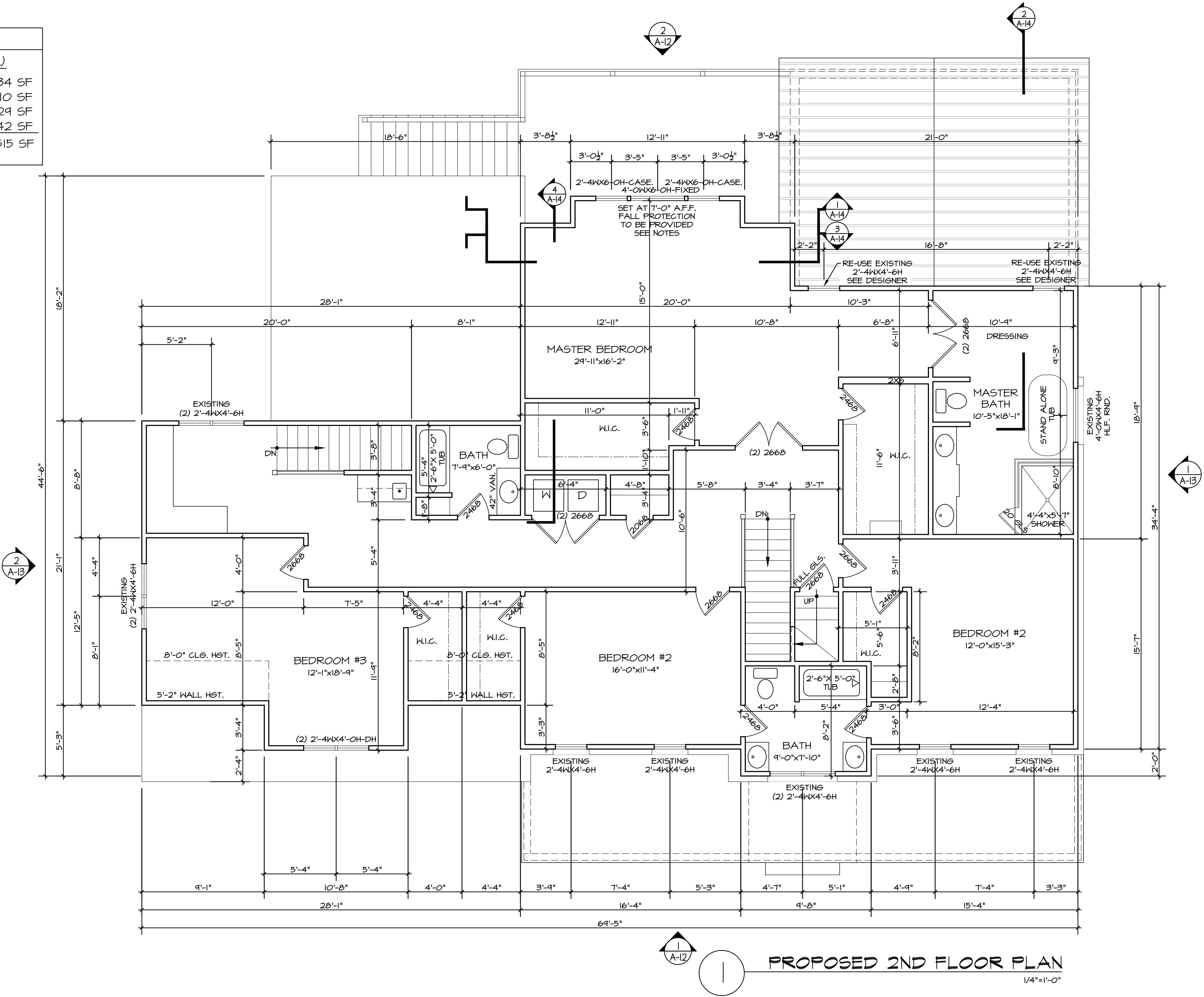
EXISTING		ADDITION		TOTAL	
UNHEATED (SQ. FT.)		UNHEATED (SQ. FT.)		UNHEATED (SQ. FT.)	
GARAGE:	634 SF	GARAGE:	N/A SF	GARAGE:	634 SF
PORCH:	205 SF	PORCH:	105 SF	PORCH:	310 SF
DECK:	362 SF	DECK:	-133 SF	DECK:	229 SF
COV. PORCH:	240 SF	COV. PORCH:	102 SF	COV. PORCH:	342 SF
TOTAL:	1,441 SF	TOTAL:	74 SF	TOTAL:	1,515 SF
(UNHEATED)		(UNHEATED)		(UNHEATED)	

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ZONE 4 18.2, -19.0 19.1, -20.0 19.8, -20.7 20.4, -21.3
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MINIMUM VALUES FOR ENERGY COMPLIANCE:
ZONE 4 MAX GLAZING U-FACTOR = 0.35
CEILING R-38 WALLS R-15 FLOORS R-19

NOTES:

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ZONE 4
FENESTRATION U-Factor - 0.35
GLAZED FENESTRATIONS - 0.30
CEILING R-VALUE - 38
WOOD FRAMED WALL R-VALUE - 15
FLOOR R-VALUE - 19



PROPOSED 2ND FLOOR PLAN

1/4"=1'-0"

A WAY DRAFTING SOLUTIONS

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BRIAN H. MURRAY INTERIOR DESIGNS

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RESIDENCE. 150 LOCHWOOD WEST DR. CARY, NC 27518

DATE: 8.22.2019

REVISION	BY

PROPOSED 2ND FLR. PLAN

SC: 1/4"=1'-0"

A=9

AREA CALCULATIONS

EXISTING		ADDITION		TOTAL	
HEATED (SQ. FT.)		HEATED (SQ. FT.)		HEATED (SQ. FT.)	
BASEMENT:	N/A SF	BASEMENT:	541 SF	BASEMENT:	541 SF
FIRST FLOOR:	1,538 SF	FIRST FLOOR:	354 SF	FIRST FLOOR:	1,892 SF
SECOND FLOOR:	1,728 SF	SECOND FLOOR:	459 SF	SECOND FLOOR:	2,187 SF
THIRD FLOOR:	538 SF	THIRD FLOOR:	N/A SF	THIRD FLOOR:	538 SF
TOTAL:	3,804 SF	TOTAL:	1,354 SF	TOTAL:	5,158 SF
(HEATED)		(HEATED)		(HEATED)	

AREA CALCULATIONS

EXISTING		ADDITION		TOTAL	
UNHEATED (SQ. FT.)		UNHEATED (SQ. FT.)		UNHEATED (SQ. FT.)	
GARAGE:	634 SF	GARAGE:	N/A SF	GARAGE:	634 SF
PORCH:	205 SF	PORCH:	105 SF	PORCH:	310 SF
DECK:	362 SF	DECK:	-133 SF	DECK:	229 SF
COV. PORCH:	240 SF	COV. PORCH:	102 SF	COV. PORCH:	342 SF
TOTAL:	1,441 SF	TOTAL:	74 SF	TOTAL:	1,515 SF
(UNHEATED)		(UNHEATED)		(UNHEATED)	

PLANS DESIGNED TO THE 2018 NORTH CAROLINA RESIDENTIAL CODE.
HOUSE DESIGNED FOR 100 MPH 3 SECOND GUST (85 FASTEST WIND), EXPOSURE B
ANCHOR BOLTS SHALL BE MIN. 1/2" DIAMETER & SHALL EXTEND A MINIMUM 7" INTO MASONRY OR CONCRETE.
ANCHOR BOLTS TO BE NO MORE THAN 6' O.C. AND WITHIN 12" OF THE CORNER
MEAN ROOF HEIGHT = < 30'

WALL BRACING IS REQUIRED. THE DESIGNER MUST SPECIFY METHOD OF BRACING PER SECTION R602.10 (NC 2018 RESIDENTIAL BUILDING CODE) AND PROVIDE DETAIL.

COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS

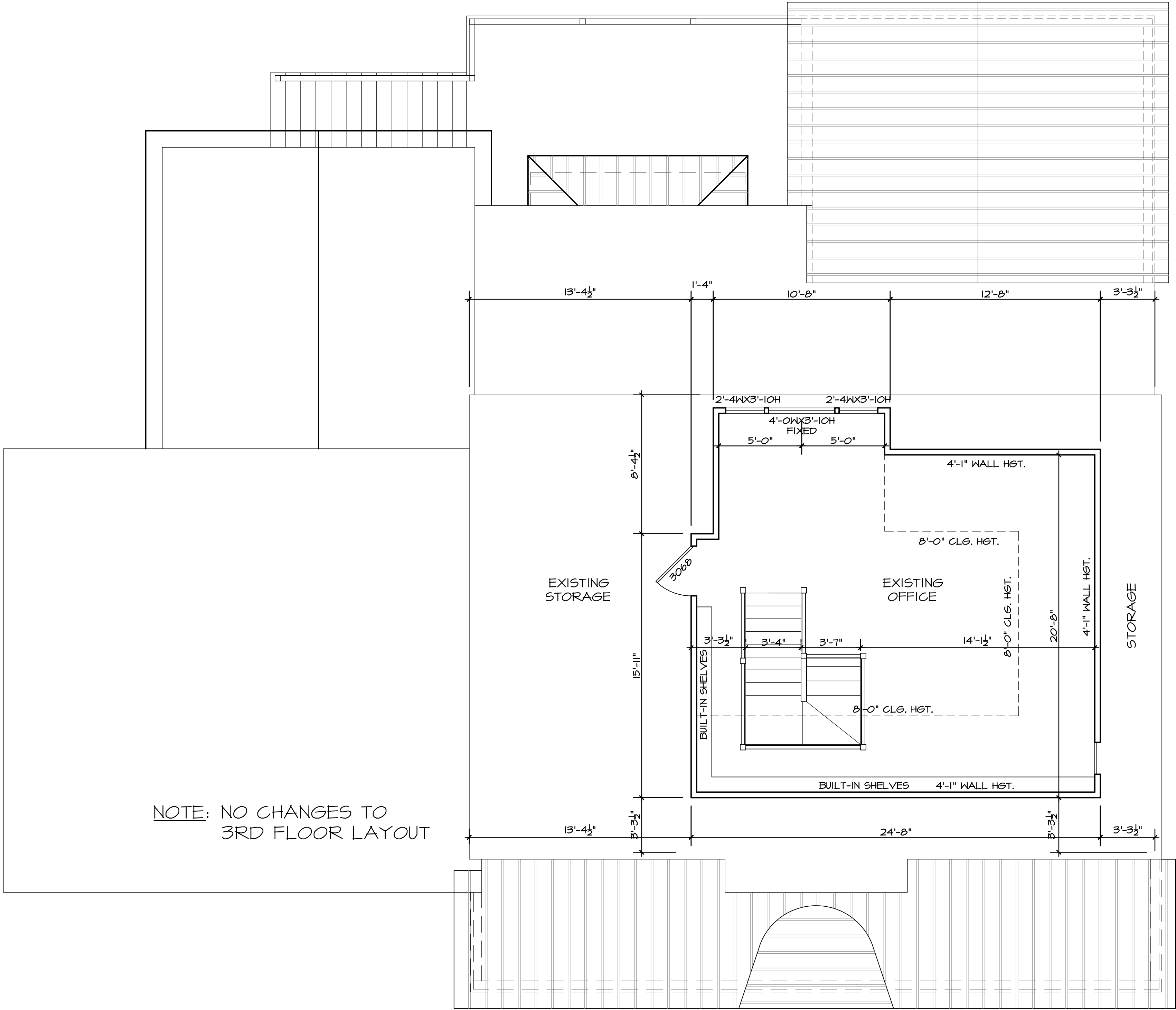
MEAN ROOF HEIGHT UP TO 30'	30'-1" - 35'	35'-1" - 40'	40'-1" - 45'
ZONE 1	16.7, -18.0	17.5, -18.9	18.2, -19.6
ZONE 2	16.7, -21.0	17.5, -22.1	18.2, -22.9
ZONE 3	16.7, -21.0	17.5, -22.1	18.2, -22.9
ZONE 4	18.2, -19.0	19.1, -20.0	19.8, -20.7
ZONE 5	18.2, -24.0	19.1, -25.2	19.8, -26.2

MINIMUM VALUES FOR ENERGY COMPLIANCE:
ZONE 4 MAX GLAZING U-FACTOR = 0.35
CEILING R-38 WALLS R-15 FLOORS R-19

NOTES:

- PLANS DESIGNED UNDER 2018 NORTH CAROLINA RESIDENTIAL CODE.
- ALL ANGLED WALLS ARE 45 ° UNLESS NOTED OTHERWISE.
- FINISH DOOR AND WINDOW HEADS SHALL ALIGN EXCEPT AS NOTED.
- ALL MATERIALS AND COMPONENTS MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- GRADES SHOWN ARE ILLUSTRATIVE. NATURAL GRADE WILL DETERMINE FINISH GRADE.
- FLOOR PLAN NOTATIONS GOVERN OVER ELEVATION SCALE.
- VERIFY ALL WINDOW SIZES, RADIUS, AND DETAILS WITH CHOSEN MANUFACTURE.
- ALL HABITABLE ROOMS SHALL MEET LIGHT/VENTILATION & EGRESS REQUIREMENTS.
- TEMPERED GLASS TO BE USED AT ALL SAFETY REQUIRED LOCATIONS.
- ALL WINDOW GLAZING TO HAVE 0.35 U-FACTOR MIN.
- IF THE EXTERIOR SILL HEIGHT ABOVE GRADE EXCEEDS 72" AND THE INTERIOR SILL HEIGHT ABOVE FINISHED FLOOR IS LESS THAN 24" THEN WINDOW FALL PREVENTION SHALL BE PROVIDED BY ONE OF THE FOLLOWING:
1.) OPERABLE WINDOWS WITH OPENINGS THAT, WHEN IN THEIR LARGEST OPEN POSITION, WILL NOT ALLOW THE PASSAGE OF A 4" SPHERE.
2.) OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW FALL PREVENTION DEVICES THAT COMPLY WITH ASTM F2090.
3.) OPERABLE WINDOWS THAT ARE PROVIDED WITH CONTROL DEVICES THAT COMPLY WITH SECTION R312.2.2 OF NC RESIDENTIAL BUILDING CODE.
(WINDOW OPENING CONTROL DEVICES COMPLYING WITH ASTM F2090 SHALL BE PERMITTED ON SERVING AS EGRESS.)
- ALL CABINET DESIGNS/LAYOUTS TO BE VERIFIED WITH SHOP DRAWINGS FROM CABINET MANUFACTURER.
- PER 2018 N.C. RESIDENTIAL BUILDING CODE TABLE R302.6: SHEETROCK ON GARAGE CEILING TO BE 5/8" TYPE "X".
- HANDRAILS TO BE PROVIDED ON AT LEAST ONE SIDE OF STAIR WELL. THEY ARE TO BE BETWEEN 34"-38" ABOVE STAIR NOSING AND CONTINUOUS FOR FULL LENGTH OF STAIR RUN. A MINIMUM OF 1 1/2" IS TO BE MAINTAINED BETWEEN ADJACENT WALL AND HANDRAIL. SEE SECTION R311.7.3 OF 2018 NC RESIDENTIAL BUILDING CODE FOR GRIP SIZE OPTIONS.
- PORCH AND DECK GUARDRAIL AND RAILING CONSTRUCTION TO MEET OR EXCEED NC 2018 RESIDENTIAL CODE SECTION R312.1.1 THROUGH 312.1.4 IF PORCH OR DECK EXCEEDS 30" ABOVE GRADE.
- ALL THERMAL INSULATION TO MEET OR EXCEED NC ENERGY CODE PER TABLE N102.1.2 IN CHAPTER 11 OF 2018 NC RESIDENTIAL BUILDING CODE.

ZONE 4
FENESTRATION U-Factor - 0.35
GLAZED FENESTRATIONS - 0.30
CEILING R-VALUE - 38
WOOD FRAMED WALL R-VALUE - 15
FLOOR R-VALUE - 19



NOTE: NO CHANGES TO
3RD FLOOR LAYOUT

PROPOSED 3RD FLOOR PLAN

1/4"=1'-0"

A WAY DRAFTING
SOLUTIONS

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RESIDENCE.
150 LOCHWOOD WEST DR.
CARY, NC 27518

DATE:
8.22.2019

REVISION

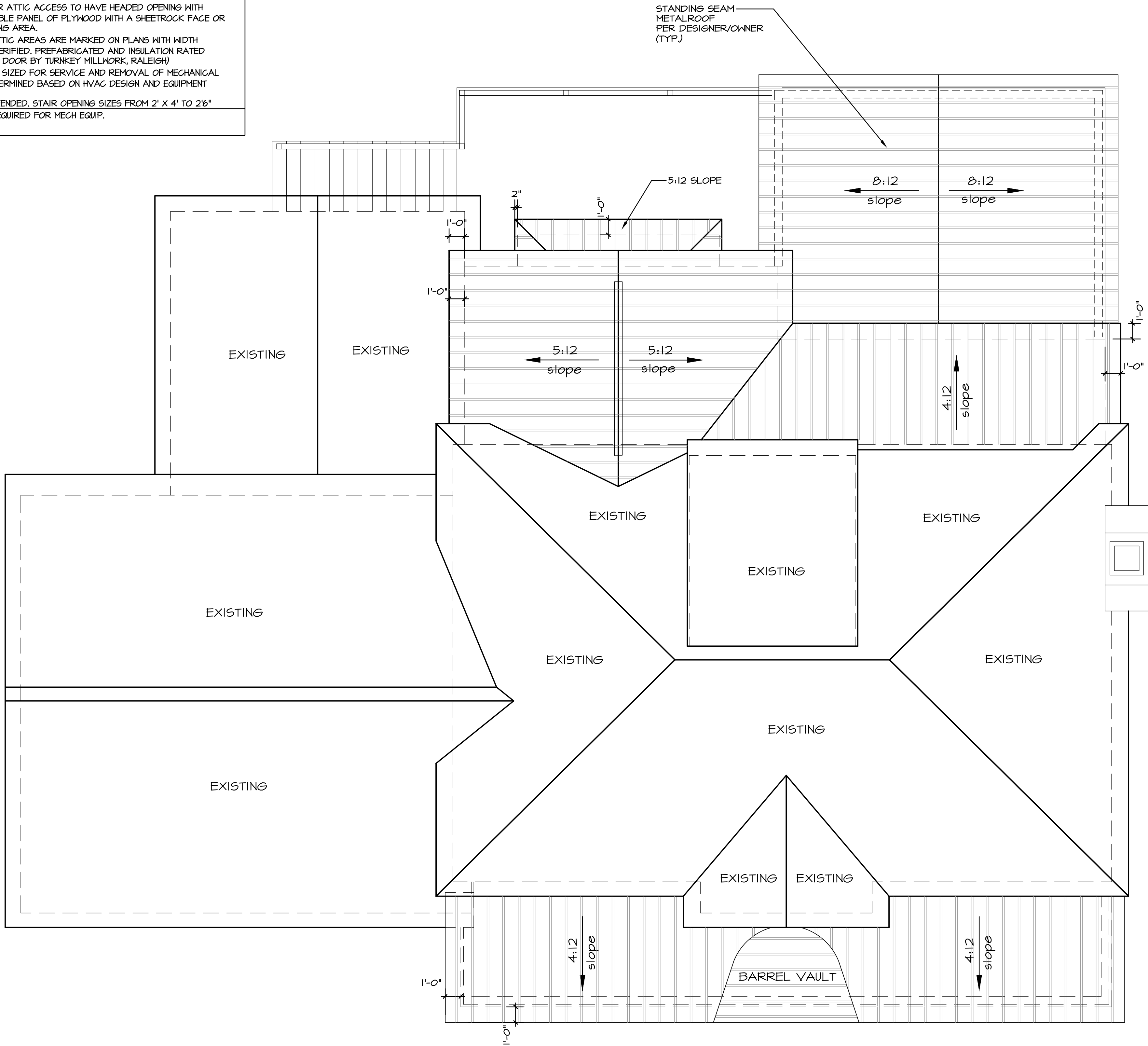
BY

PROPOSED
3RD FLOOR
PLAN

SC: 1/4"=1'-0"

A=10

ATTIC ACCESS
MINIMUM ACCESS: 20" X 30" NET OPENING REQUIRED TO ALL ATTIC SPACES ABOVE HEATED SPACE WITH A MIN HT OF 30" OR MORE.
SCUTTLE HOLE : OPENINGS IN CEILINGS FOR ATTIC ACCESS TO HAVE HEADED OPENING WITH PERIMETER FLAT STOCK TRIM AND REMOVABLE PANEL OF PLYWOOD WITH A SHEETROCK FACE OR 1/4" PLYWOOD WITH FINISH TO MATCH CEILING AREA.
ATTIC ACCESS DOOR: DOOR ACCESS TO ATTIC AREAS ARE MARKED ON PLANS WITH WIDTH DIMENSION-D. SPECIFIC HT MUST BE FIELD VERIFIED. PREFABRICATED AND INSULATION RATED DOORS ARE AVAILABLE PREHUNG. (DORMER DOOR BY TURNKEY MILLWORK, RALEIGH)
STORAGE AND OR HVAC ACCESS : MUST BE SIZED FOR SERVICE AND REMOVAL OF MECHANICAL EQUIPMENT. SIZE MUST BE CONTRACTOR DETERMINED BASED ON HVAC DESIGN AND EQUIPMENT SPEC.
ACCESS STAIR : STAIR ACCESS IS RECOMMENDED. STAIR OPENING SIZES FROM 2' X 4' TO 26" X 6'0". FINAL SIZE AS SELECTED AND OR REQUIRED FOR MECH EQUIP.



PROPOSED ROOF PLAN
1/4"=1'-0"

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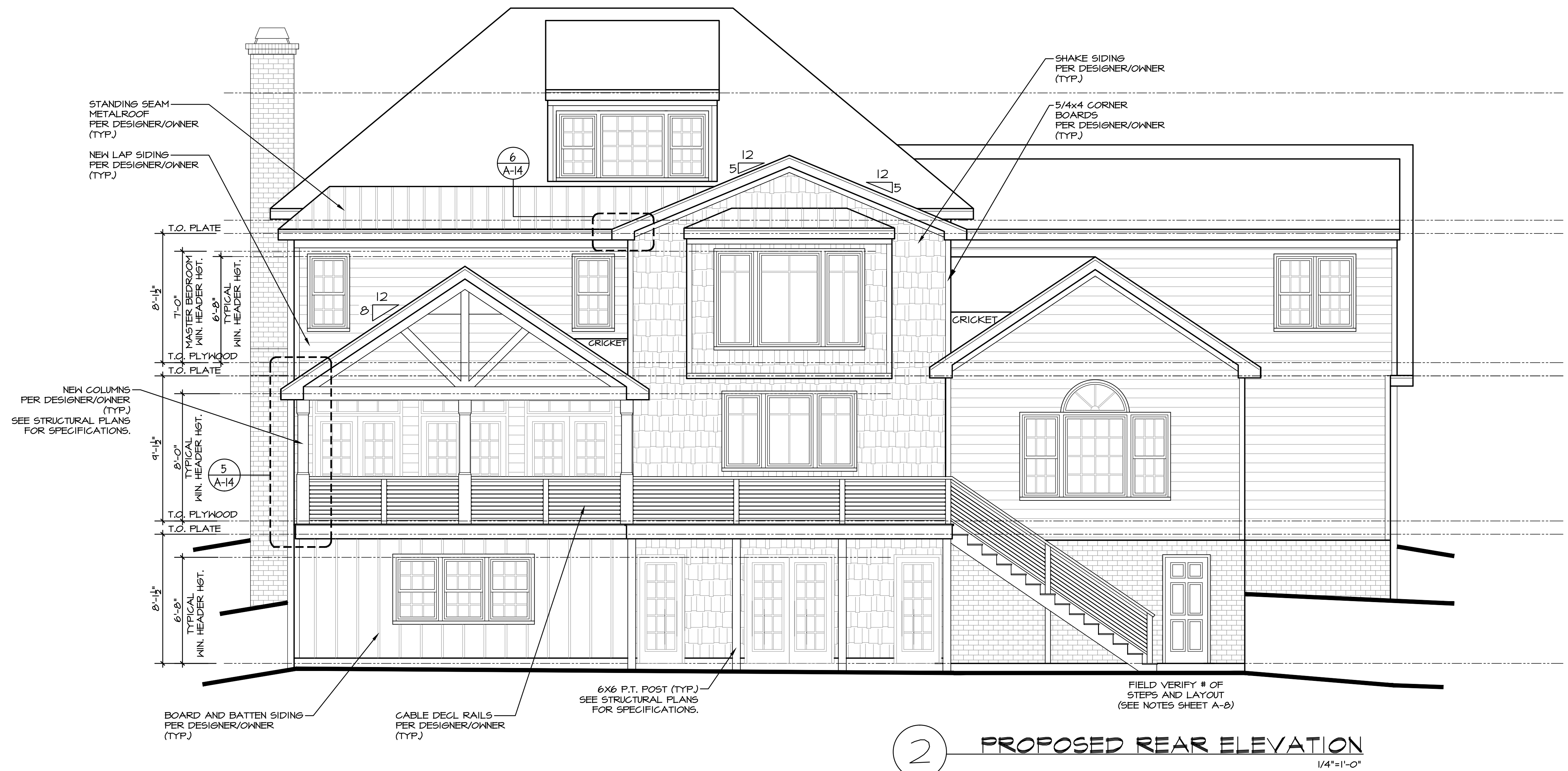
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PROPOSED
ROOF
PLAN

SC: 1/4"=1'-0"

A=||



2 PROPOSED REAR ELEVATION
1/4"=1'-0"



1 PROPOSED FRONT ELEVATION
1/4"=1'-0"

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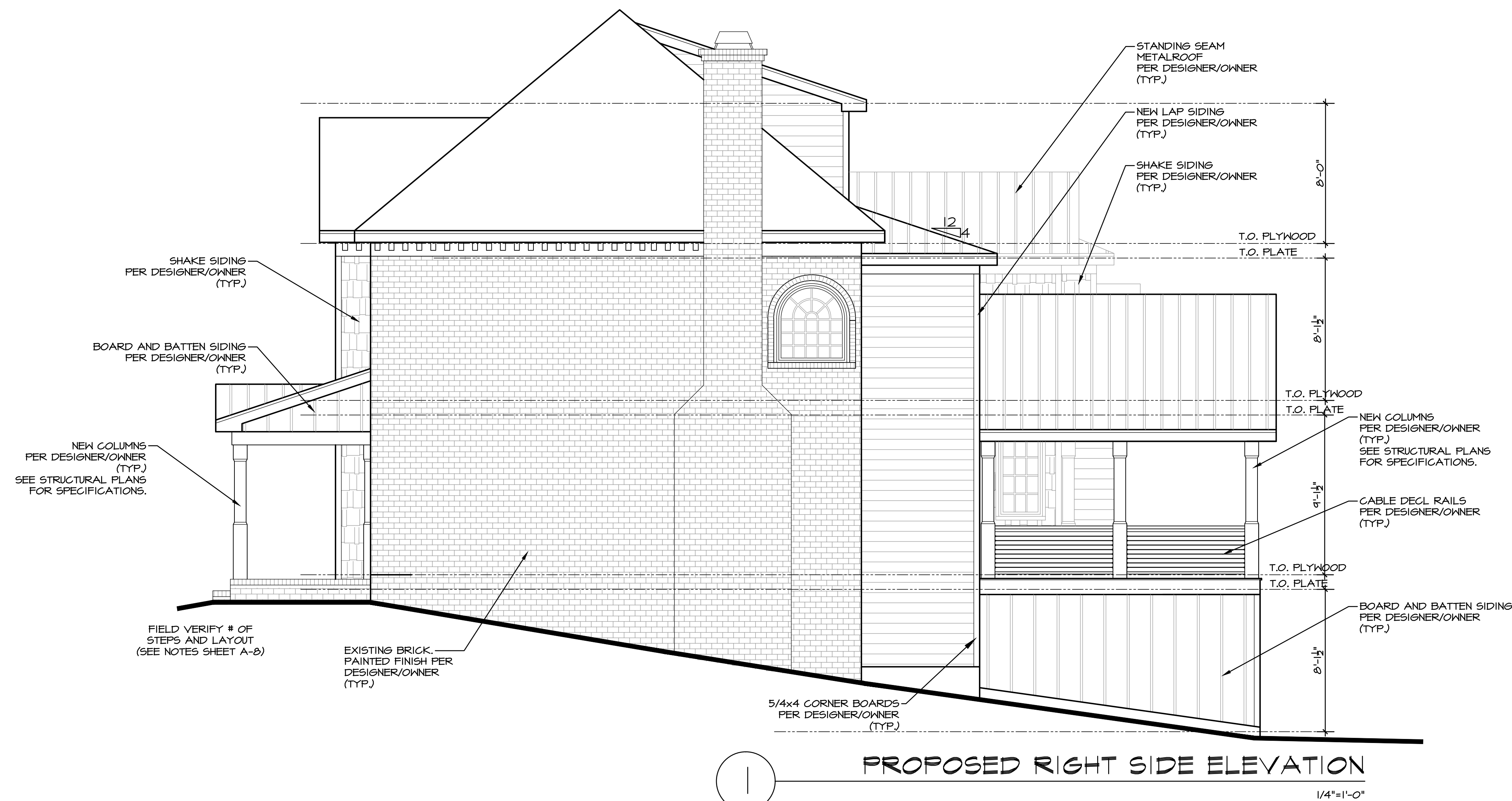
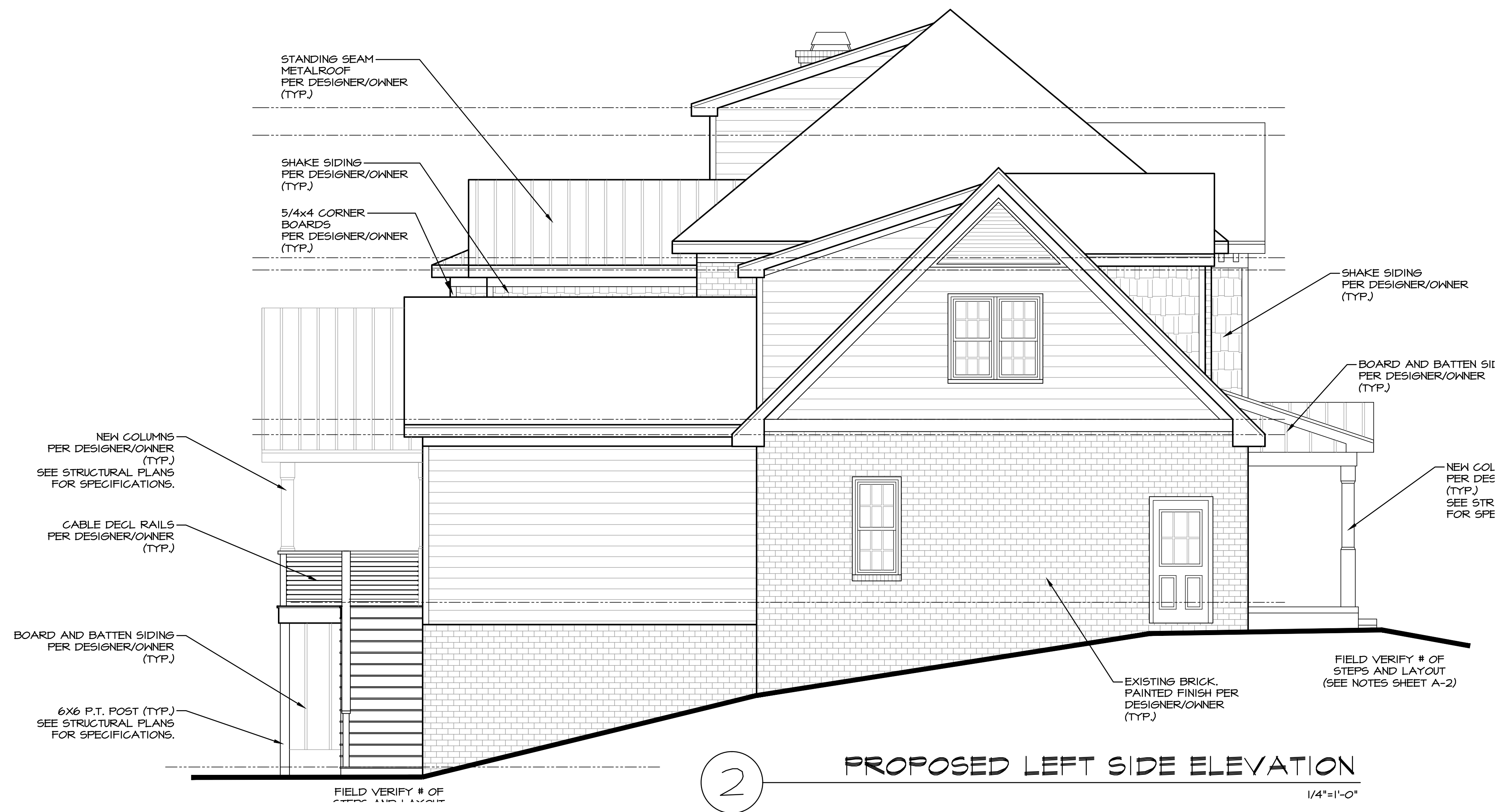
DATE:
8.22.2019

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PROPOSED
BUILDING
ELEVATIONS

SC: 1/4"=1'-0"

A=12



A WAY DRAFTING
SOLUTIONS

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PROPOSED
BUILDING
ELEVATIONS

SC: 1/4"=1'-0"

A=13

FOUNDATION VENT CALCS.

146	SQ. FT.	= .47	SQ. FT. VENT REQ'D.
150			
147	SQ. FT.	= 2	VENTS TO BE PROVIDED
56			

NOTE: FIGURE BASED ON SECTION R-408 OF THE 2018 NC RESIDENTIAL CODE.

NOTE: -FIND VENT SPECS BASED ON PUSH/PULL POLYPROPYLENE FND. VENT THAT ALLOWS 12 SQ. IN. OF NET FREE AREA PER VENT.

-TOTAL AREA OF VENTILATION OPENINGS MAY BE REDUCED TO 1 TO 1500 PROVIDED THE GROUND SURFACE IS TREATED WITH AN APPROVED VAPOR BARRIER MATERIAL IN ACCORDANCE WITH SECTION R408.2 AND THE OPENINGS ARE PLACED 50 AS TO PROVIDE CROSS-VENTILATION OF THE CRAWL SPACE. THE INSTALLATION OF OPERABLE LOUVERS SHALL NOT BE PROHIBITED

- SEE SECTION R409 FOR CLOSED CRAWL SPACE SPECIFICATIONS.
- BUILDER/OWNER TO VERIFY VENT SIZE AND REQUIREMENTS PRIOR TO CONSTRUCTION. SEE SECTION R408 OF THE 2018 NC RESIDENTIAL CODE.

NEW ROOF VENTILATING REQUIREMENTS

370	SQ. FT.	= 2.47	SQ. FT. OF TOTAL ROOF VENTILATION REQ'D
150			
			- 1.23 SQ. FT. (171.6 SQ. IN.) INTAKE AND
			- 1.23 SQ. FT. (171.6 SQ. IN.) EXHAUST RESPECTIVELY

171.6	SQ. IN. (INTAKE REQ'D)	= 2.47	PIECES OF VENT REQ'D
12	SQ. IN. (NET FREE AREA /96" SOFFIT VENT)		OR 14.7 TOTAL SOFFIT VENT

171.6	SQ. IN. (EXHAUST REQ'D)	= 2.47	PIECES OF VENT REQ'D
12	SQ. IN. (NET FREE AREA /48" RIDGE VENT)		OR 9.9 TOTAL RIDGE VENT

NOTE: FIGURE BASED ON SECTION R-806 OF THE 2018 NC RESIDENTIAL CODE.

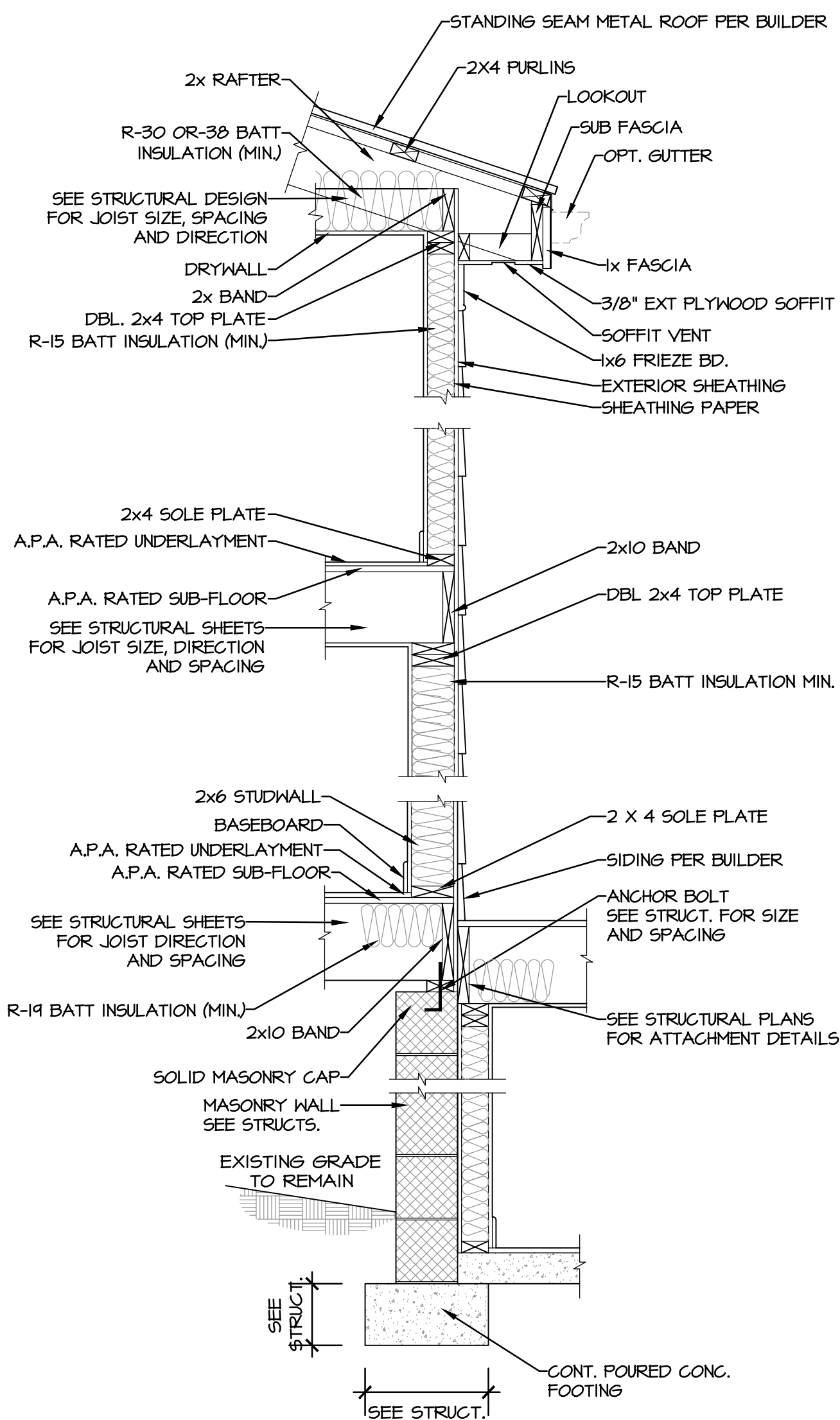
NOTE: -SOFFIT VENT SPECS BASED ON DELETE 4 1/2" ALUMINUM SOFFIT VENT THAT ALLOWS 1 SQ. IN. OF NET FREE AREA PER LINEAR FT.

-RIDGE VENT SPECS BASED ON GAF COBRA 3 1/2" RIDGE VENT THAT ALLOWS 18 SQ. IN. OF NET FREE AREA PER LINEAR FT.

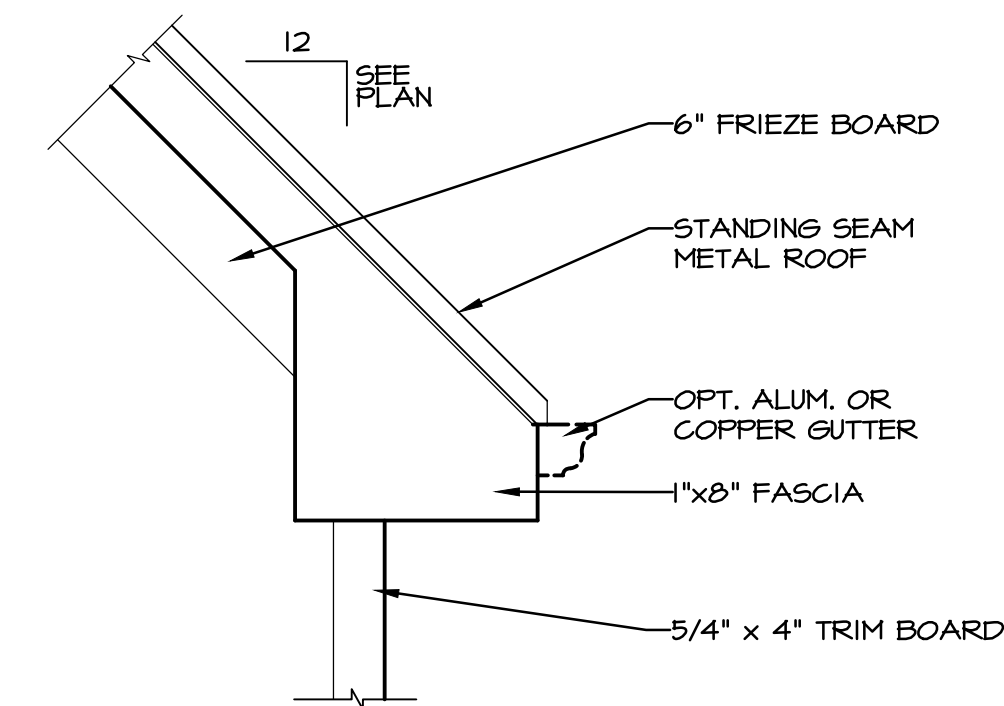
TOTAL NET FREE VENTILATING AREA IS PERMITTED TO BE REDUCED TO 1 TO 300.

- PROVIDED AT LEAST 50% AND NOT MORE THAN 80% OF THE REQ'D VENTILATING AREA IS PROVIDED BY VENTILATORS IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE THE EAVE OR CORNICE VENTS. REFERENCE R806.2 OF THE 2018 NC RESIDENTIAL CODE FOR PROPER LOCATION.
- WHEN A CLASS I OR II VAPOR BARRIER IS INSTALLED ON THE ON THE WARM-IN-WINTER SIDE OF THE CEILING
- SEE R806.2 FOR EXCEPTIONS

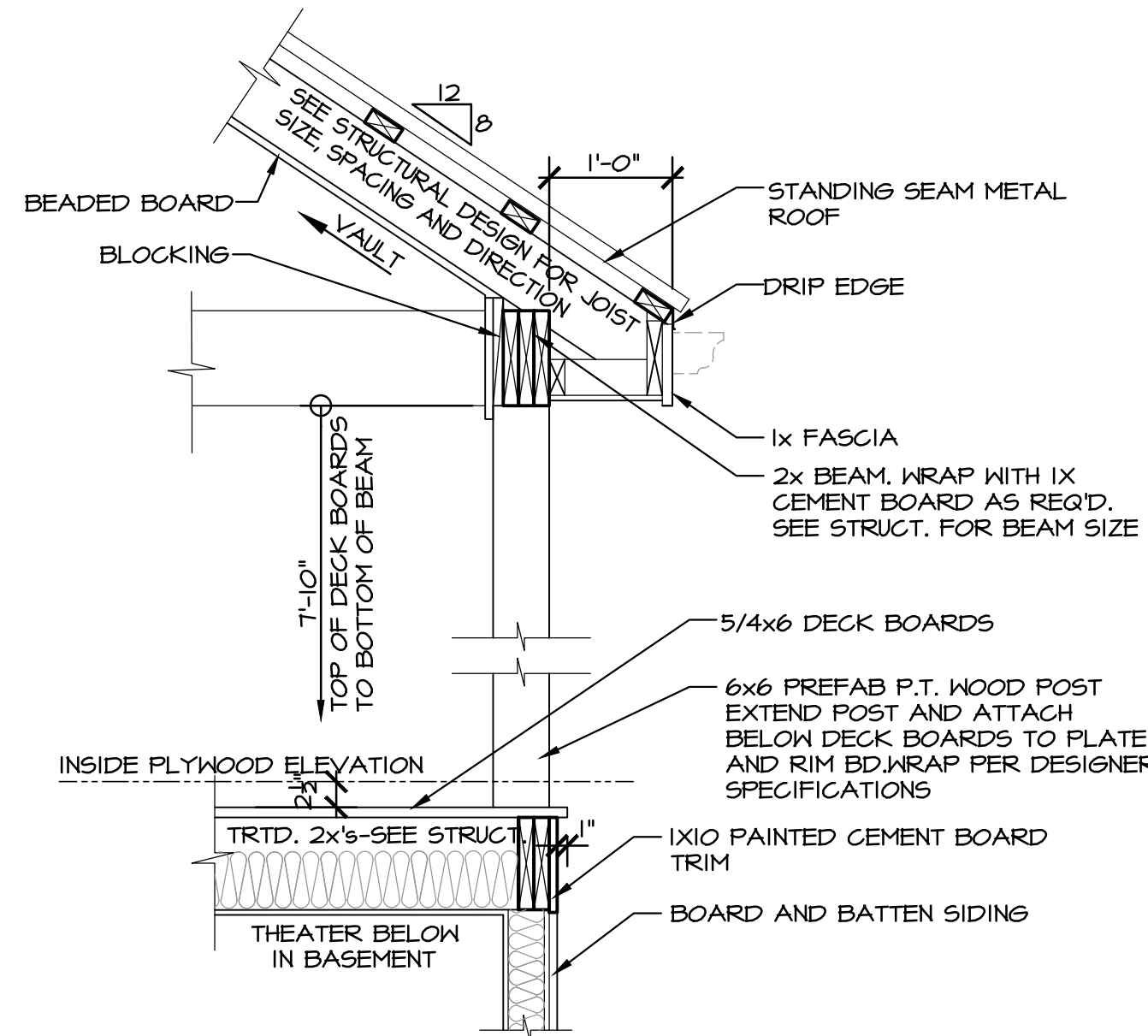
NOTE: BUILDER/OWNER TO VERIFY VENT SIZE AND REQUIREMENTS PRIOR TO CONSTRUCTION. SEE SECTION R806 OF THE 2018 NC RESIDENTIAL CODE.



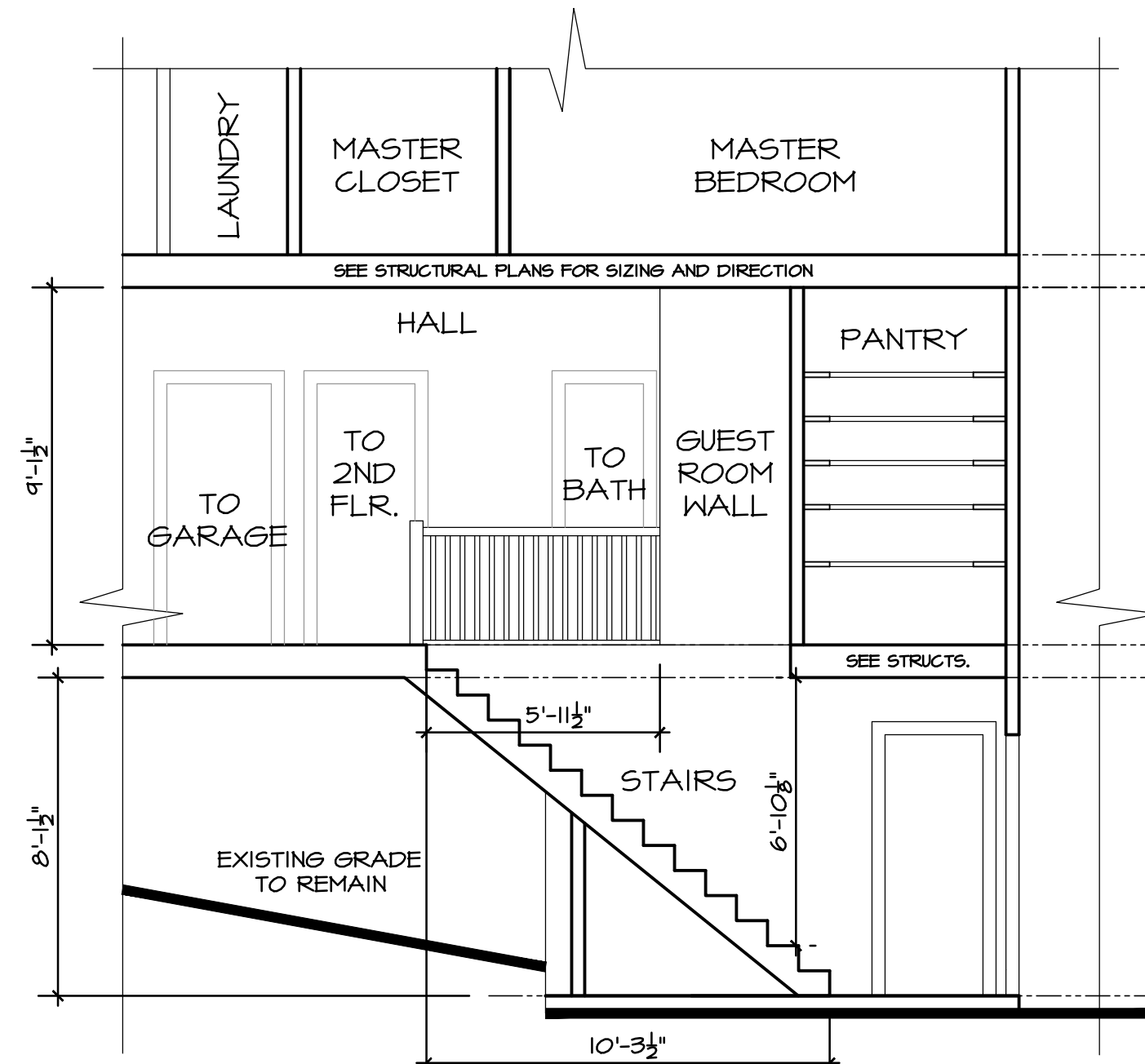
7 WALL SECTION @ FAMILY ROOM
3/4" = 1'-0"



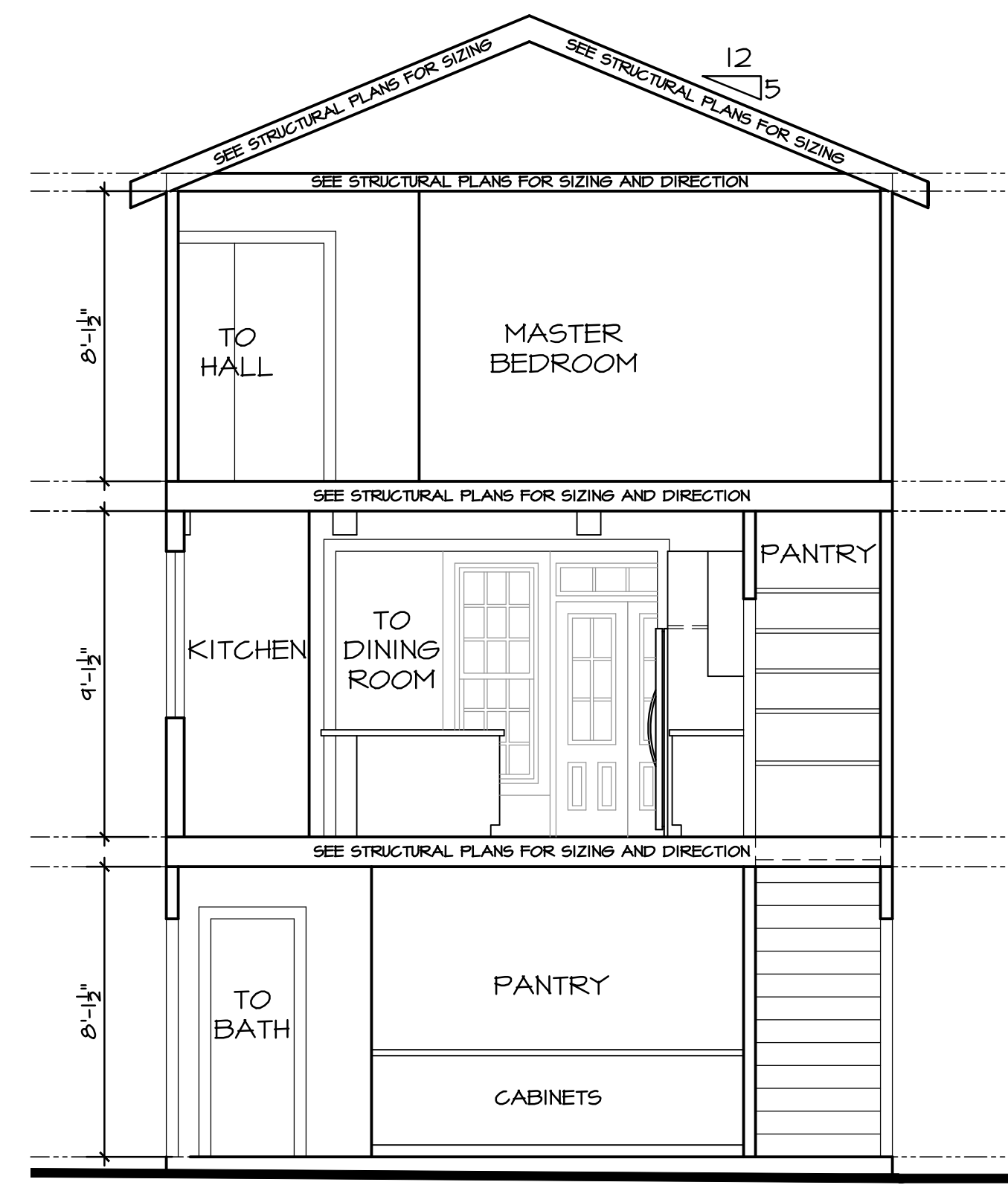
6 DOG EAR RETURN
3/4" = 1'-0"



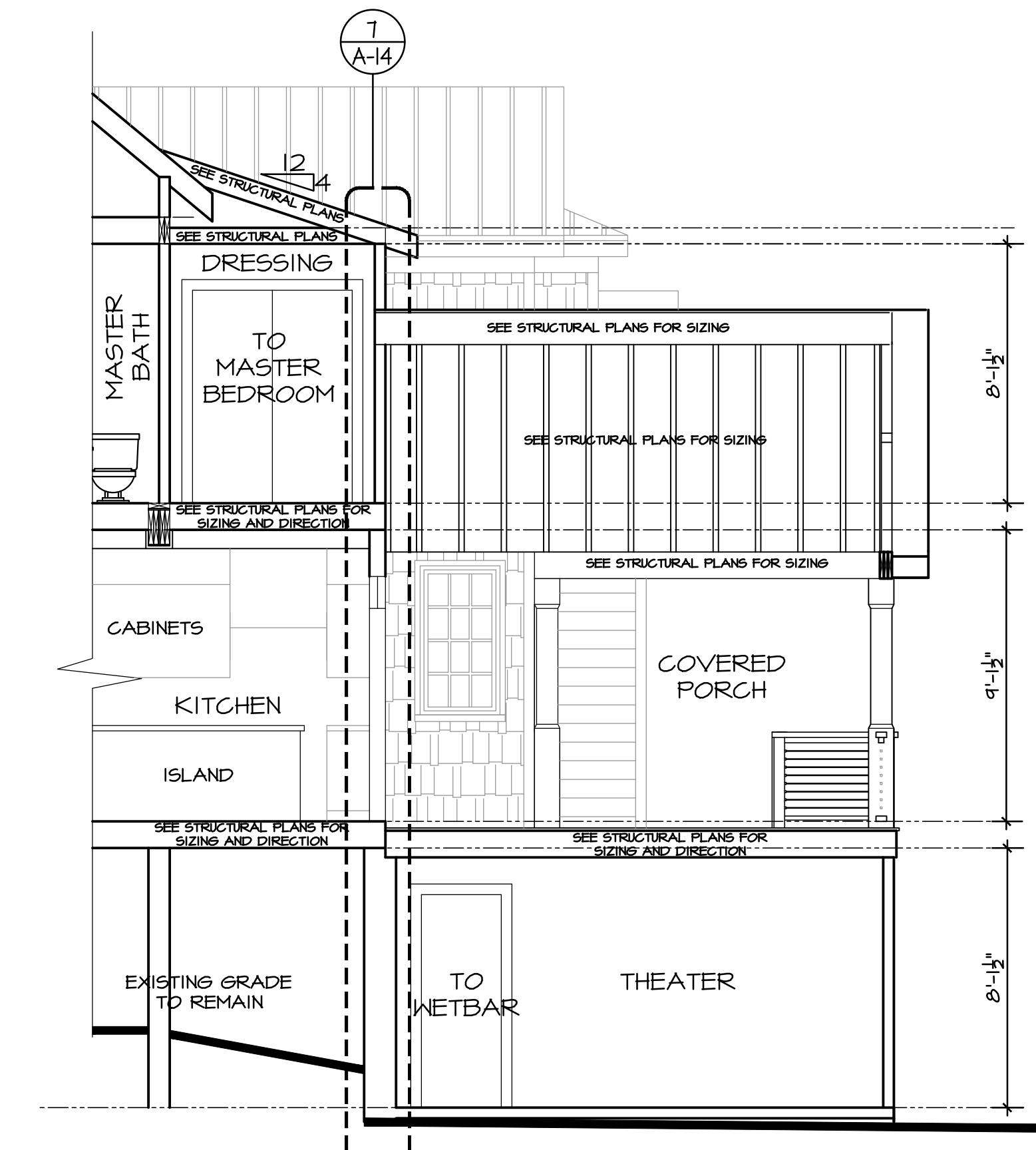
5 REAR PORCH DETAIL
3/4" = 1'-0"



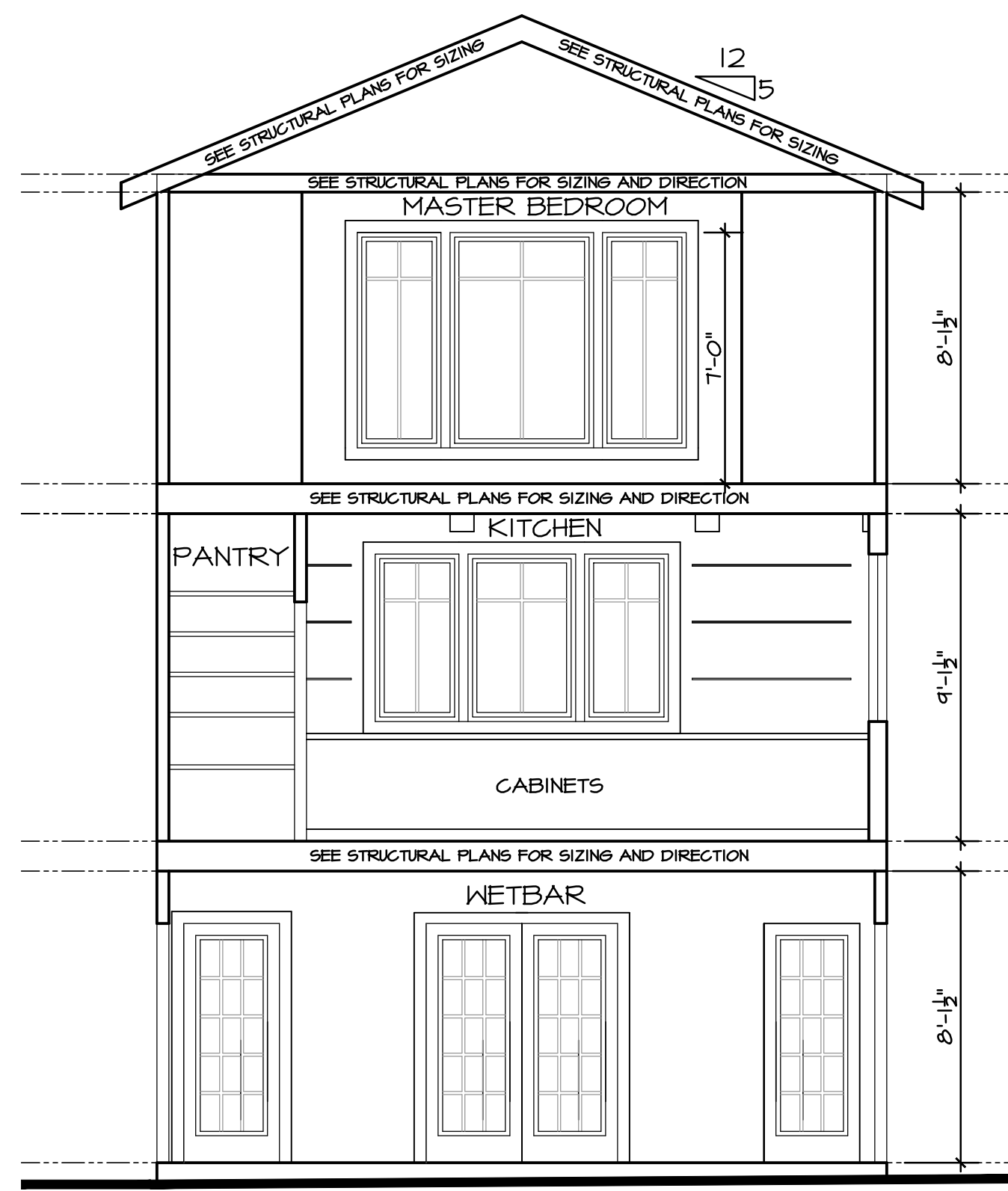
4 SECTION @ BASEMENT STAIRS
1/4" = 1'-0"



3 SECTION THRU GABLE ADDITION FRONT FACING
1/4" = 1'-0"



2 SECTION THRU SHED ROOF ADDITION
1/4" = 1'-0"



1 SECTION THRU GABLE ADDITION REAR FACING
1/4" = 1'-0"

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PROPOSED BUILDING SECTIONS & DETAILS

SC: 1/4"=1'-0"

A=14