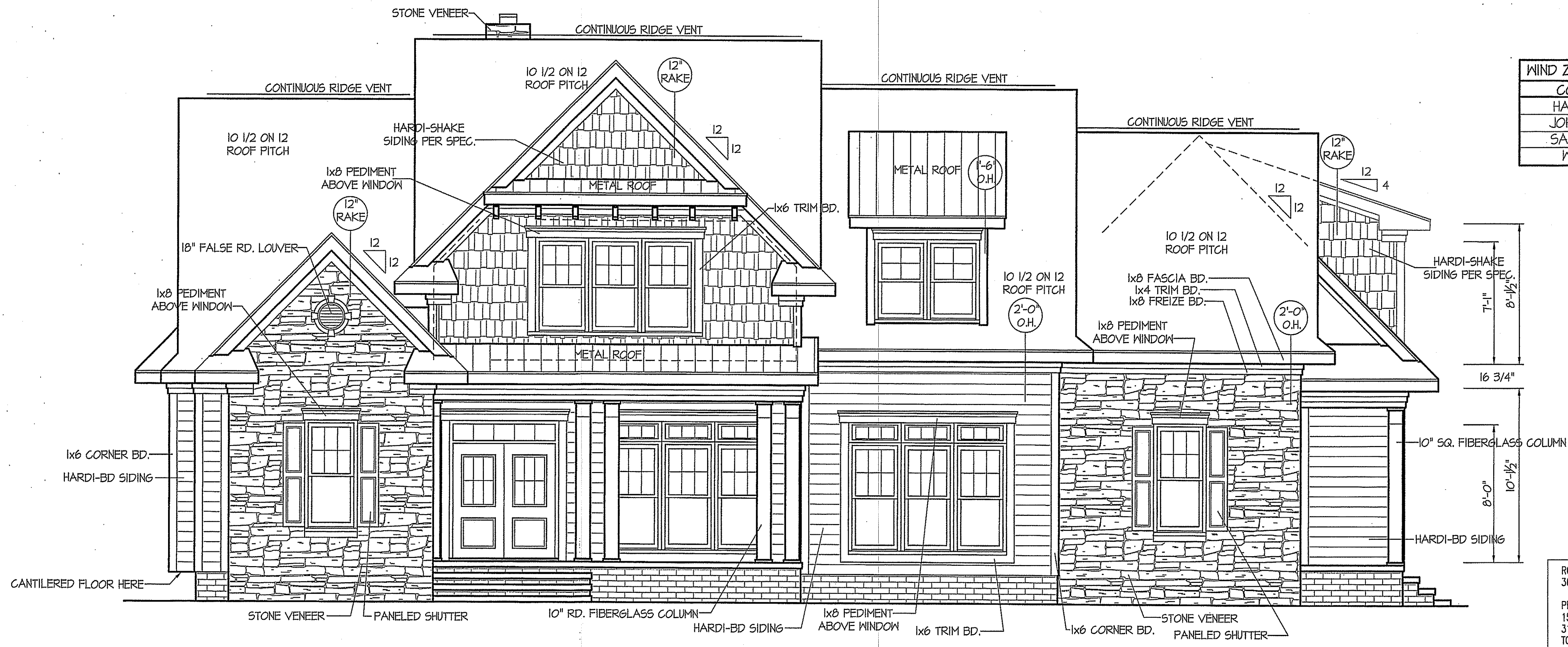


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION



### FRONT ELEVATION

1/4"=1'-0"

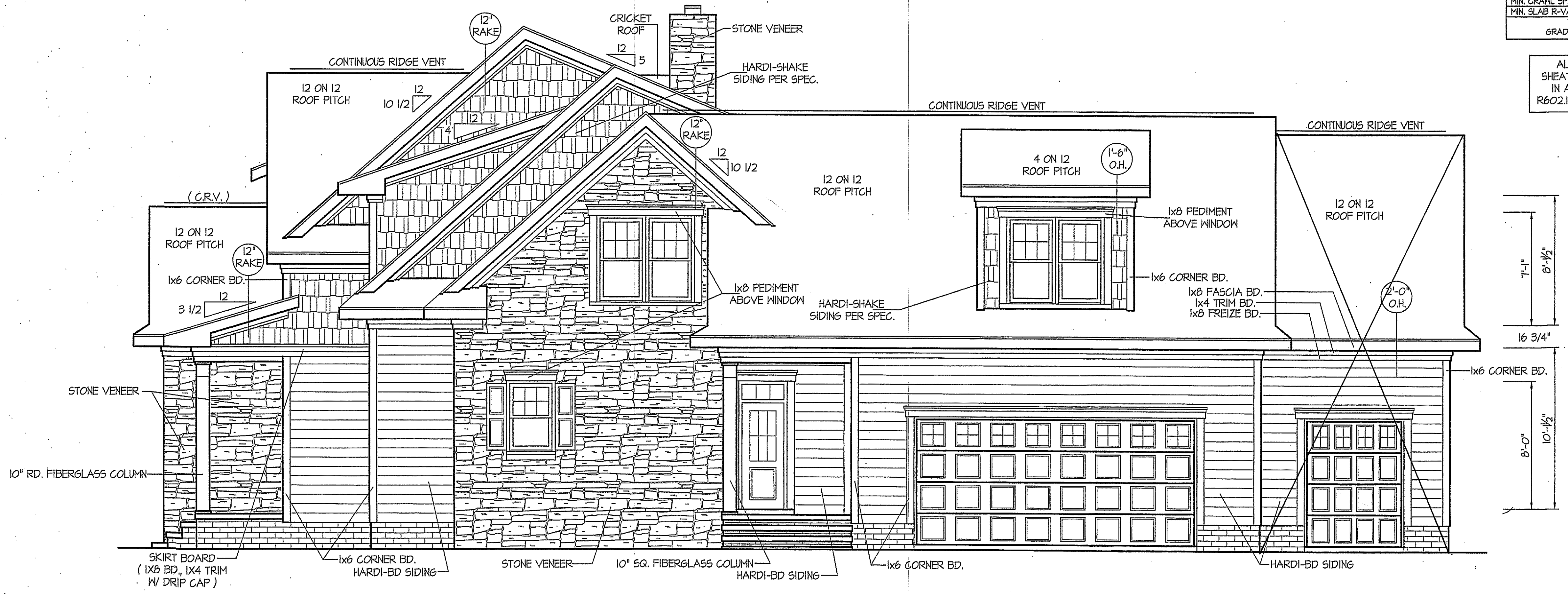
WIND ZONES (PER TABLE R301.2(4))	
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

ROOF VENTILATION REQ'MTS.  
3677 ATTIC SQ. FT. / 300 = 12.26  
PROVIDED ON PLAN  
151 L.F. RIDGE VENT = 28.31  
315 L.F. SOFFIT VENT = 19.68  
TOTAL = 47.99 S.F. FREE NET AREA

INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-30	R-30
MINIMUM WALL R-VALUE	R-15, 15+25	R-15, 15+25
MINIMUM FLOOR R-VALUE	R-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/15	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED  
GRADE MAY VARY - BUILDER TO VERIFY

ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-MSP (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.



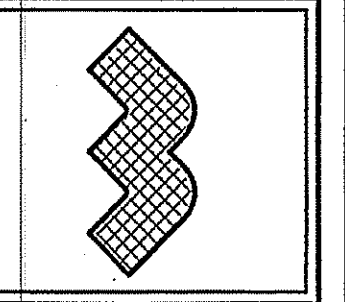
### RIGHT ELEVATION

1/4"=1'-0"

DATE:  
SEPT. 4, 2020

REVISIONS DATE:  
JAN. 4, 2021

**WELLONS HOMES**  
P.O. BOX 730  
DUNN, N.C. - 28335  
O: (910) 892-3123 FAX: (910) 892-5032  
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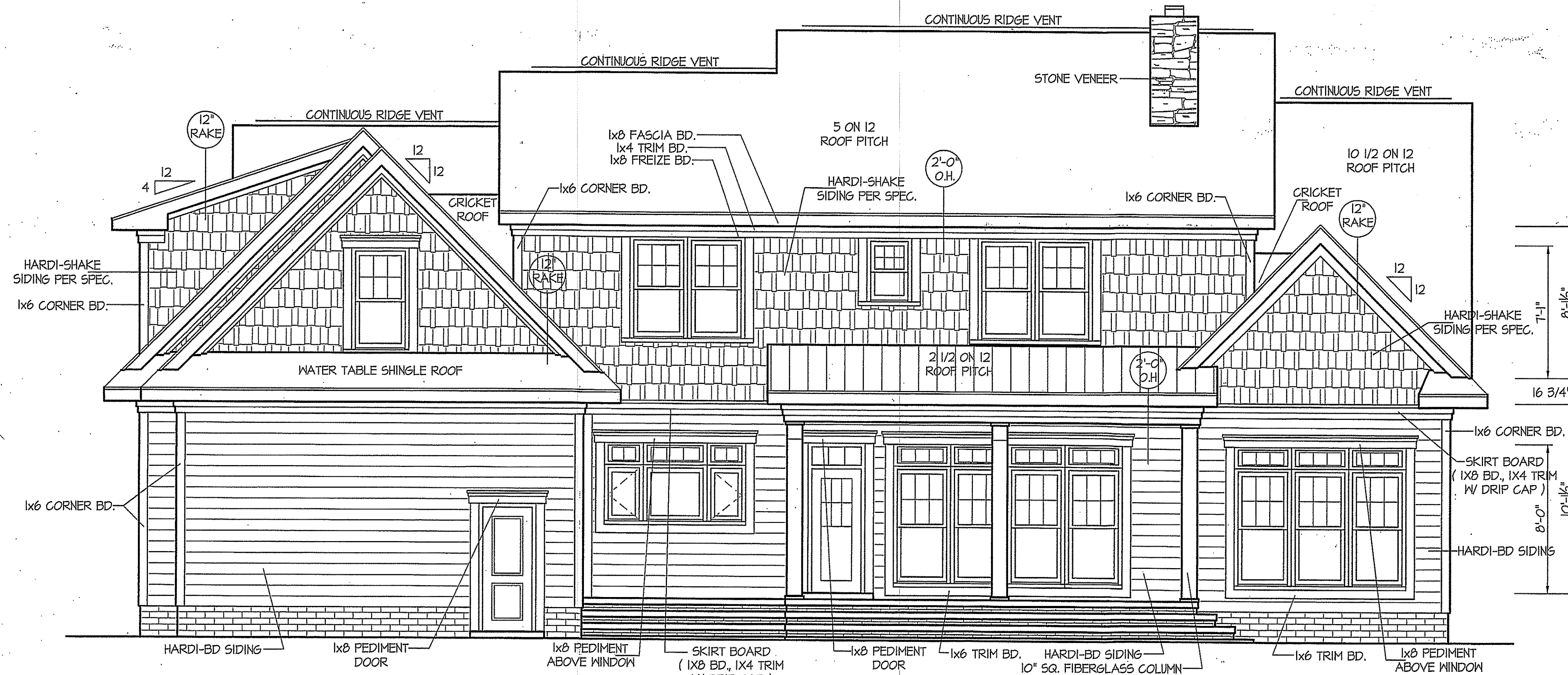
**EXCLUSIVE PLAN FOR  
WELLONS HOMES  
Lauren Wellons White**

PLAN:  
SHEET NO.  
**A-1**

DISK FILE NO. CF. FILE NAME LAUREN WELLONS WHITE - JAN-2020

GREAT CARE AND EFFECT HAVE GONE INTO THE CREATION OF THESE PLANS. HOWEVER, BECAUSE OF THE VARIANCE IN GEOGRAPHICAL LOCATIONS, RANDALL K. PATE OR PROFESSIONAL HOME DESIGN WILL NOT ASSUME LIABILITY FOR ANY DAMAGE DUE TO ERRORS, OMISSIONS, OR DEFICIENCIES ON THESE PLANS. OWNERS/BUILDERS MUST COMPLY WITH LOCAL/STATE BUILDING CODES PRIOR TO COMMENCEMENT OF CONSTRUCTION.

WIND ZONES (PER TABLE R301.2(4))	
COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115



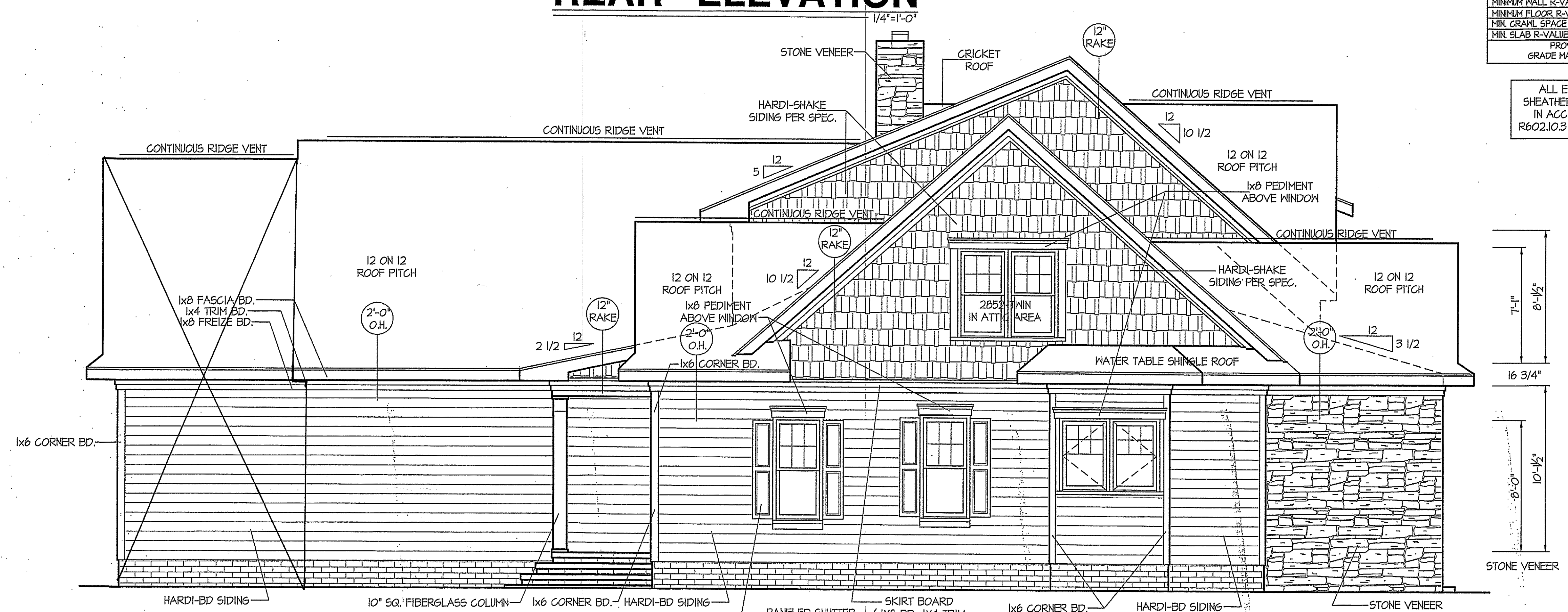
**REAR ELEVATION**

ROOF VENTILATION REQ'TS.  
3677 ATTIC SQ. FT. / 300 = 12.26  
PROVIDED ON PLAN  
151 L.F. RIDGE VENT = 28.31  
315 L.F. SOFFIT VENT = 19.68  
TOTAL = 47.99 S.F. FREE NET AREA

INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, I@2.5	R-15, I@2.5
MINIMUM FLOOR R-VALUE	R-14	R-14
MIN. CRAWL SPACE WALL R-VALUE	5/8	10/8
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED  
GRADE MAY VARY - BUILDER TO VERIFY

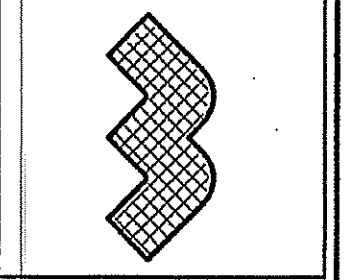
ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-MSP (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.



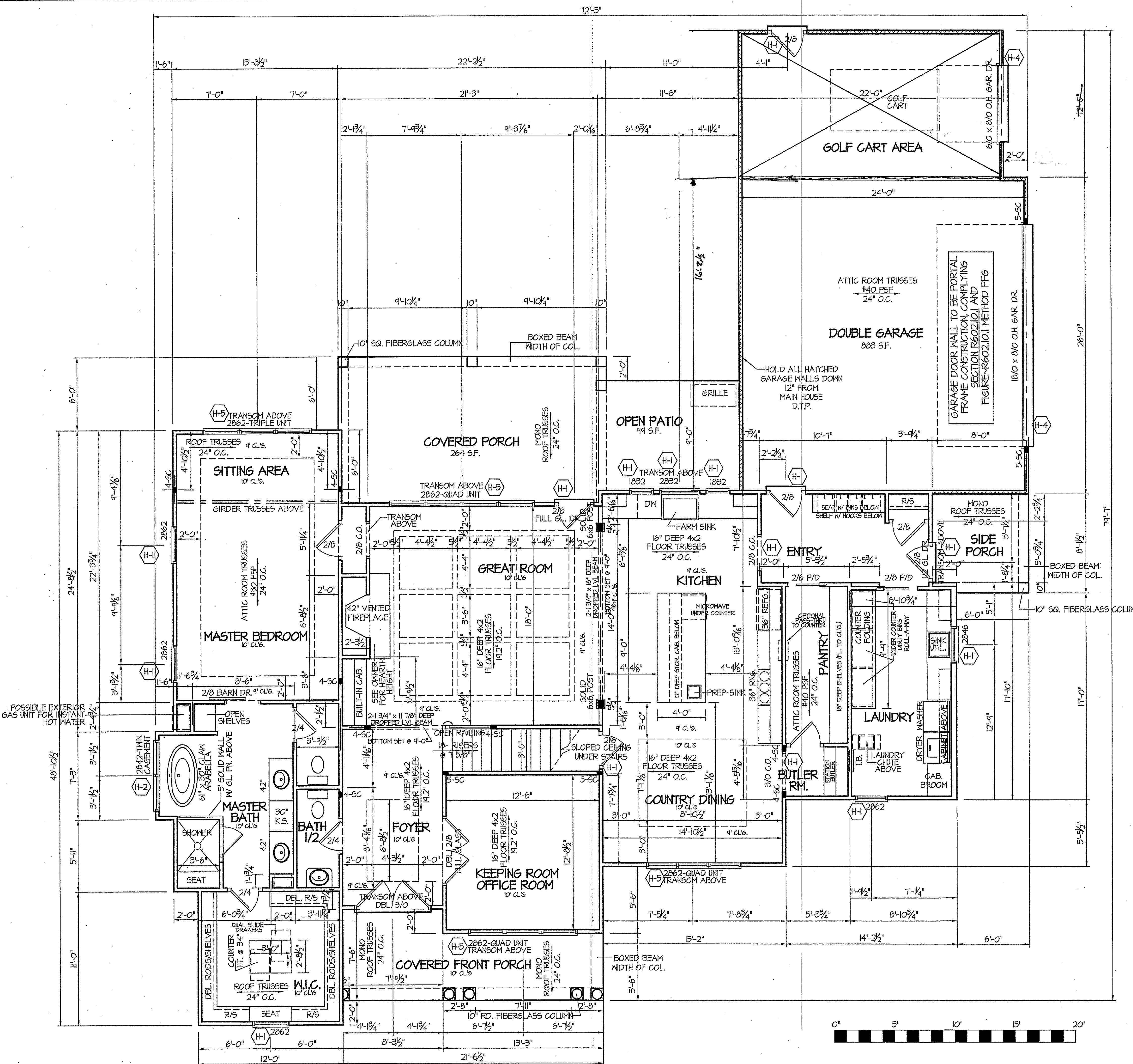
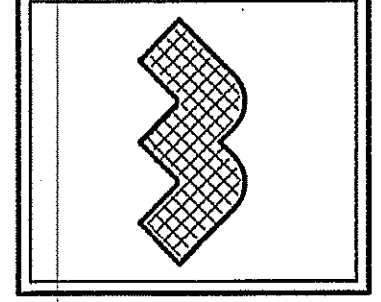
**LEFT ELEVATION**

DISK FILE NO. CF FILE NAME LAUREN WELLONS WHITE - JAN-2020

**WELLONS HOMES**  
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EXCLUSIVE PLAN FOR  
WELLONS HOMES  
**Lauren Wellons White**



WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

HEADER SCHEDULE

SYMBOL #	SIZE	JACKS
H-1	(2) 2x10	1
H-2	(2) 2x10	2
H-3	(2) 2x8	2
H-4	(2) 1.75 x 14.25 LVL	5
H-5	(2) 1.75 x 11.25 LVL	3

TABLE R602.7.5  
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (feet)	MAX. STUD SPACING (inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

ALL INTERIOR AND EXTERIOR LOAD BEARING HEADERS WILL BE 2x10 #2 SPF UNLESS OTHERWISE NOTED.

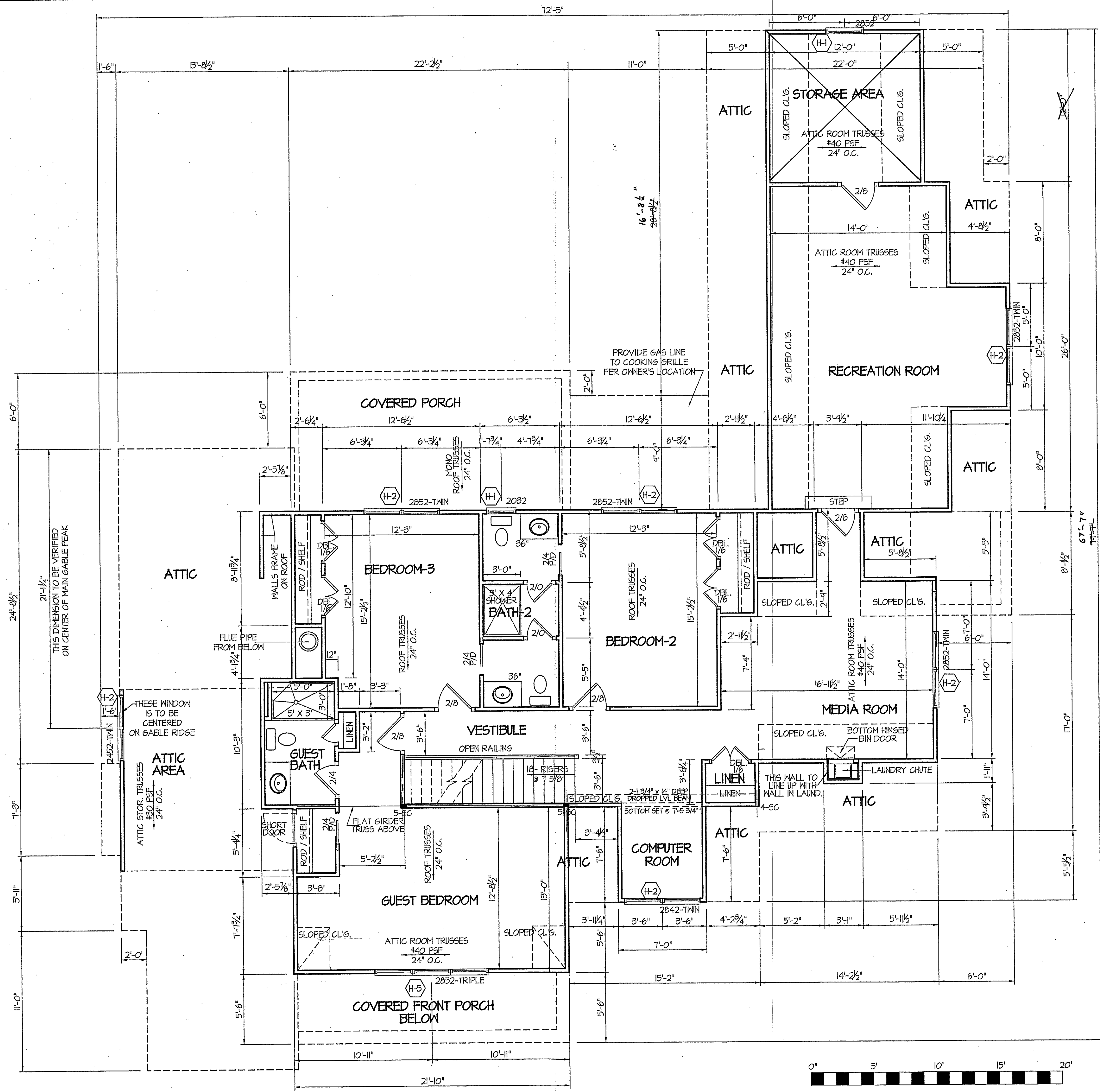
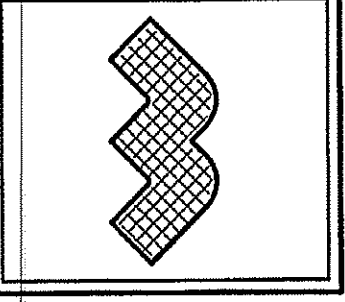
ALL EXTERIOR WALLS TO BE SHEATHED WITH OS-BSP (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.-R602.7 (1) AND INT.-R602.7 (2).

SECTION R407-COLUMNS  
R407.3 STRUCTURAL REQUIREMENTS.  
THE COLUMNS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE TOP AND BOTTOM END. MOOD COLUMNS SHALL BE NOT LESS IN NOMINAL SIZE THAN 4 INCHES BY 4 INCHES (102 mm BY 102 mm). STEEL COLUMNS SHALL BE NOT LESS THAN 3-INCH DIAMETER (76 mm) SCHEDULE 40 PIPE MANUFACTURED IN ACCORDANCE WITH ASTM A53 GRADE B OR APPROVED EQUIVALENT.

10' ceilings unless otherwise noted  
**Dimension First Floor Plan**  
1/4"=1'-0"

FIRST FL. = 2233 FRAME-HEATED S.F.  
SECOND FL. = 1358 FRAME-HEATED S.F.  
TOTAL HEATED = 3591 FRAME-HEATED S.F.  
RECREATION ROOM = 425 S.F.  
FRONT PORCH = 135 S.F.  
SIDE PORCH = 63 S.F.  
REAR COVERED PORCH AND OPEN PATIO = 363 S.F.  
DBL. 1/2" GARAGE = 883 S.F.  
5'95"



WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

HEADER SCHEDULE

SYMBOL #	SIZE	JACKS
H-1	(2) 2x10	1
H-2	(2) 2x10	2
H-3	(2) 2x8	2
H-4	(2) 1.75 x 14.25 LVL	5
H-5	(2) 1.75 x 9.25 LVL	3

TABLE R602.1.5  
MINIMUM NUMBER OF FULL HEIGHT STUDS  
AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (feet)	MAX. STUD SPACING (inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

ALL INTERIOR AND EXTERIOR  
LOAD BEARING HEADERS  
WILL BE 2x10 #2 SFF  
UNLESS OTHERWISE NOTED.

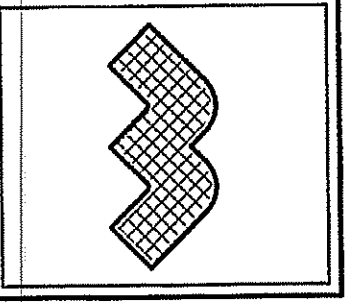
ALL EXTERIOR WALLS TO BE  
SHEATHED WITH CS-MSP (1/16" OSB)  
IN ACCORDANCE WITH SECTION  
R602.10.3 UNLESS OTHERWISE NOTED.

GIRDER AND HEADER SIZES AND JACK STUD  
REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD  
BEARING WALLS ARE TO COINCIDE WITH TABLE  
EXT.-R602.1 (1) AND INT.-R602.1 (2).

8' ceilings unless otherwise noted  
**Dimension  
Second Floor Plan**  
1/4"=1'-0"

SECOND FL. = 1404 FRAME-HEATED S.F.  
RECREATION ROOM = 425 S.F.  
STORAGE AREA = 151 S.F.

**PRELIMINARY LAYOUT**



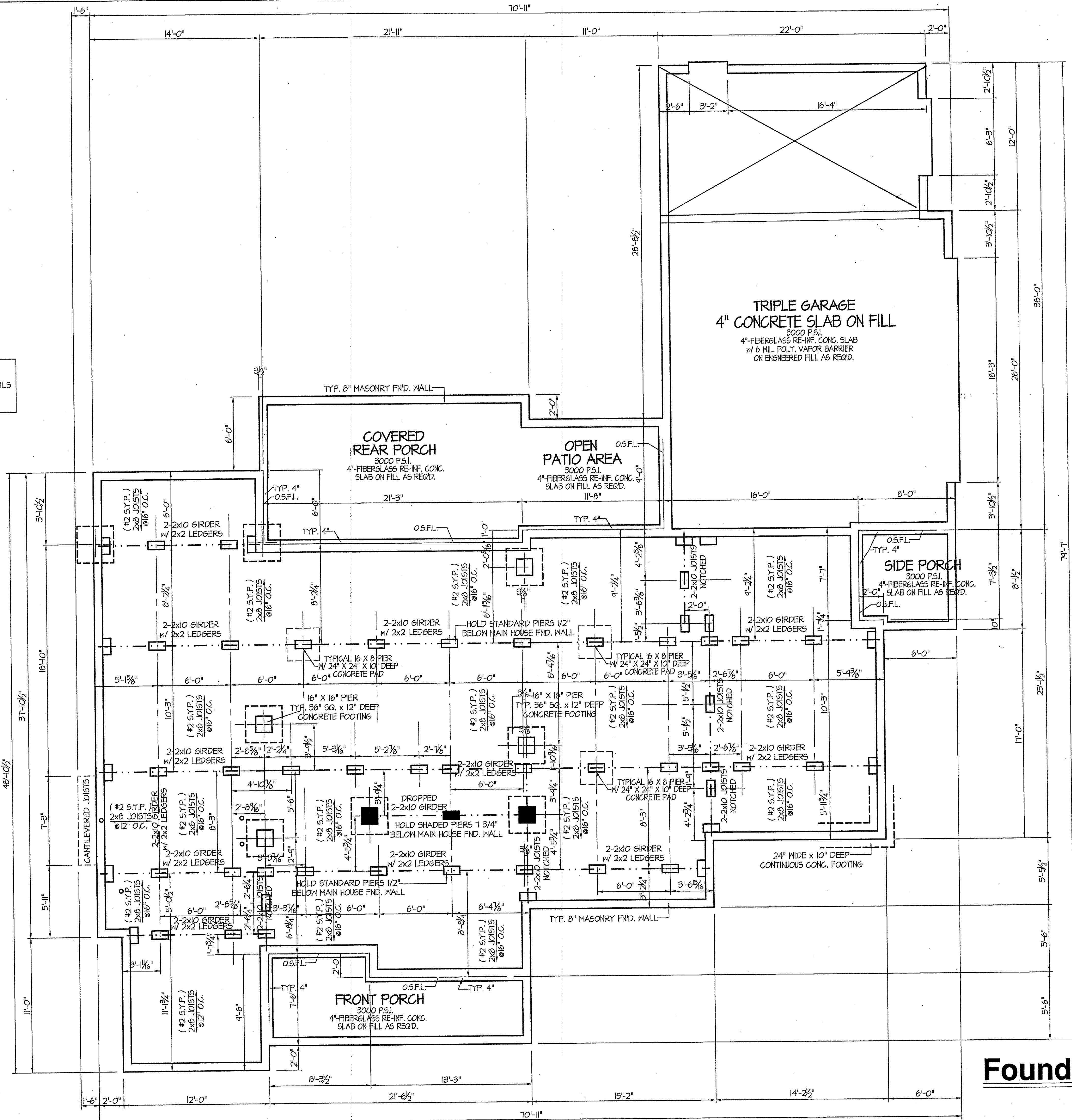
**FOUNDATION DRAINAGE**  
A DRAINAGE SYSTEM IS NOT REQUIRED WHEN THE FOUNDATION IS INSTALLED ON WELL-DRAINED GROUND OR SAND-GRAVEL MIXTURE SOILS ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM, GROUP 1 SOILS, AS DETAILED IN TABLE R405.1

ALL JOISTS AND GIRDERS WILL BE #2 S.Y.P.  
JOIST SPANS TO COINCIDE WITH REVISED TABLES R502.3.1(1) AND R502.3.1(2) FROM 2018 NCR CODES  
GIRDER SPANS AND HEADER SPANS TO COINCIDE WITH TABLE R602.1(1), R602.1(2) AND R602.1(3).

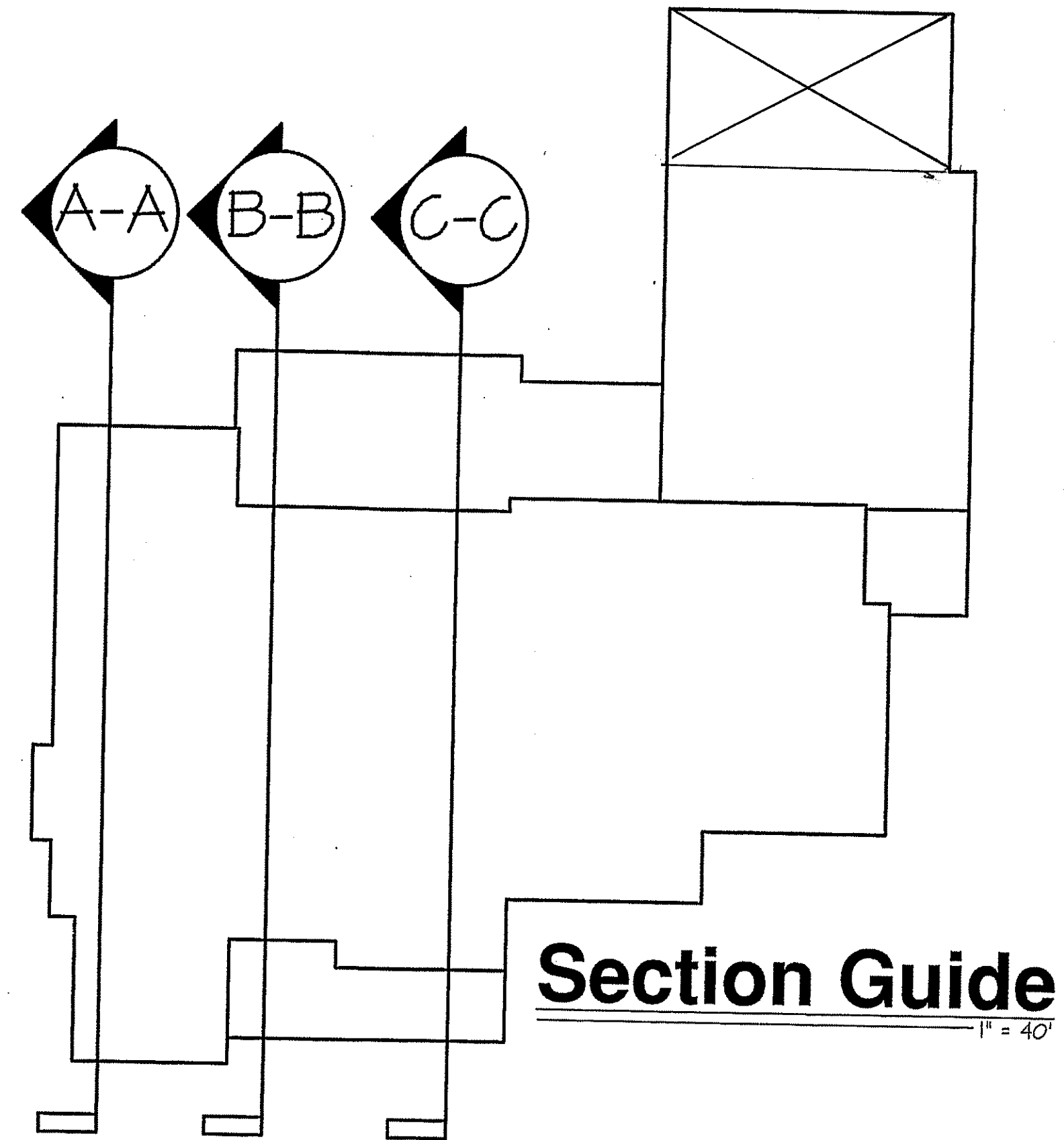
**FOUNDATION ANCHORAGE**  
THE WOOD SOLE PLATE ON SLAB OR THE SILL PLATES ON CRAWL SPACE FND. SHALL BE ANCHORED TO THE FOUNDATION WITH ANCHOR BOLTS SPACED A MAXIMUM OF 6 FEET ON CENTER AND NOT MORE THAN 12 INCHES FROM THE ENDS OF EACH PLATE SECTION AND NOT MORE THAN 12" FROM EACH CORNER.  
BOLTS SHALL BE AT LEAST 1/2 INCH IN DIAMETER AND SHALL EXTEND A MINIMUM OF 7 INCHES INTO MASONRY OR CONCRETE.  
BOLTS CAN BE SUBSTITUTED WITH SIMPSON-MSA STRAPS @ 6" O.C. WHEN SLAB FOUNDATIONS ARE USED.

**NOTES:**  
USE 2 X 6 MUD SILL W/ 5/8" 2X8 BANDS ON 8" WALLS  
PROVIDE ANCHOR BOLTS PER NC STATE CODE  
USE TRIPLE 2X10 GIRDERS W/ 2X2 LEDGERS  
USE 2X8 JOISTS AT 16" O.C., ADD 5/8" JOIST UNDER PARALLEL INTERIOR WALLS AS REQ'D.  
PROVIDE 24 X 36 ACCESS OPENING IN FND. WALL.  
PROVIDE STEPS TO GRADE (MAX. 8")  
HOLD ALL PIERS 1/2" BELOW FND. WALLS.

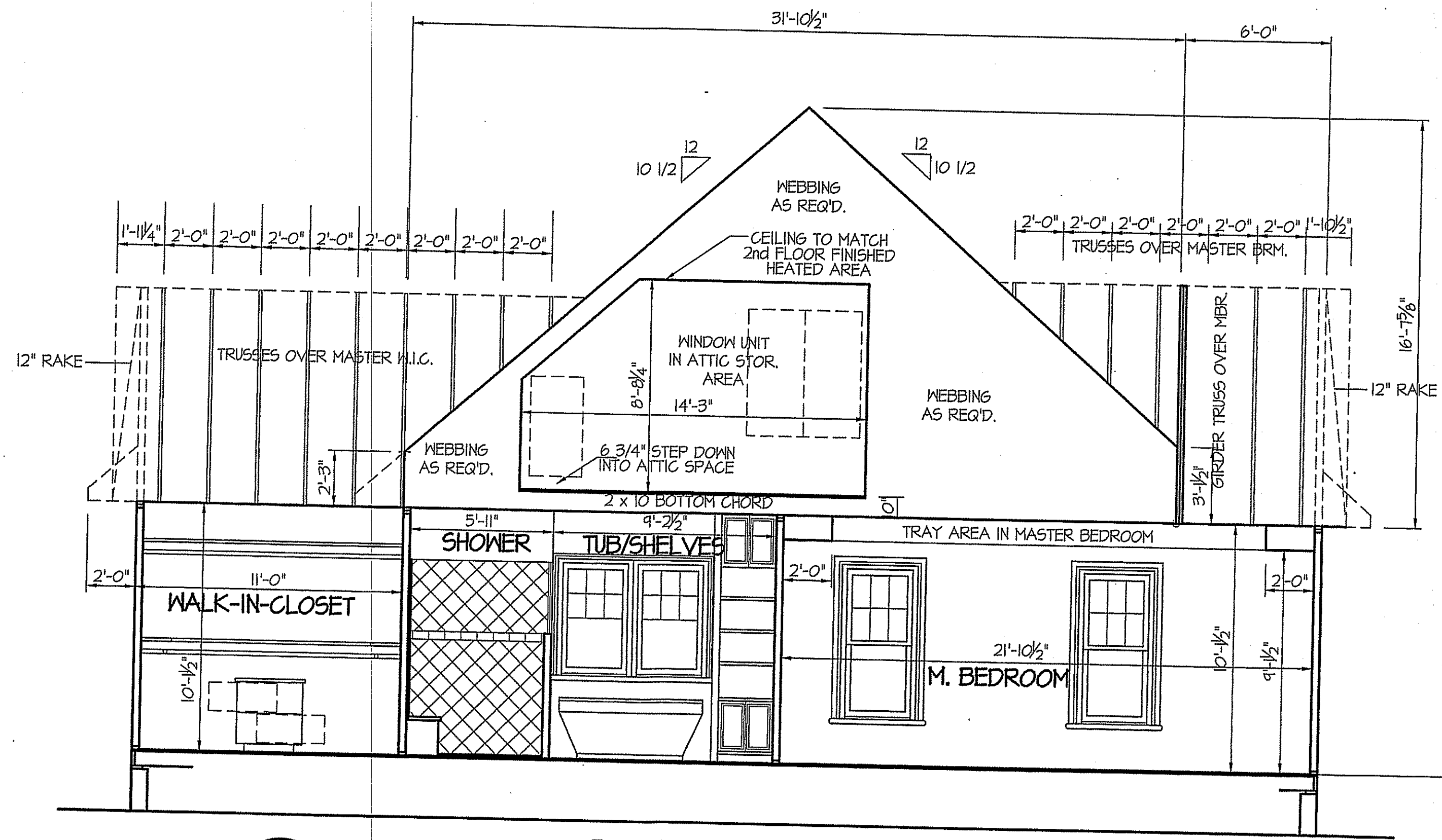
**FOUNDATION VENTILATION INFORMATION**  
(MIN. NET AREA OF VENT. REQ'D. = 1/150)  
2233 S.F. (CRAWL) x .046 = 214.37 S.I.  
USE 3/8" MITTEN AUTO. VENT. FND. VENTS @ 65 S.I. FREE NET AREA OR EQUIVALENT.  
(MIN. NET AREA CAN BE REDUCED TO 1/1500)  
2233 S.F. (CRAWL) x .046 = 214.37 S.I.  
USE 4" MITTEN AUTO. VENT. FND. VENTS @ 65 S.I. FREE NET AREA OR EQUIVALENT.  
W/ APPROVED 6-MIL POLYETHYLENE VAPOR RETARDER OR EQUIVALENT IN CRAWL SPACE.  
REQUIRED VENTS ARE TO BE PLACED SO AS TO PROVIDE CROSS-VENTILATION OF THE CRAWL SPACE.



**Foundation Plan**  
1/4"=1'-0"



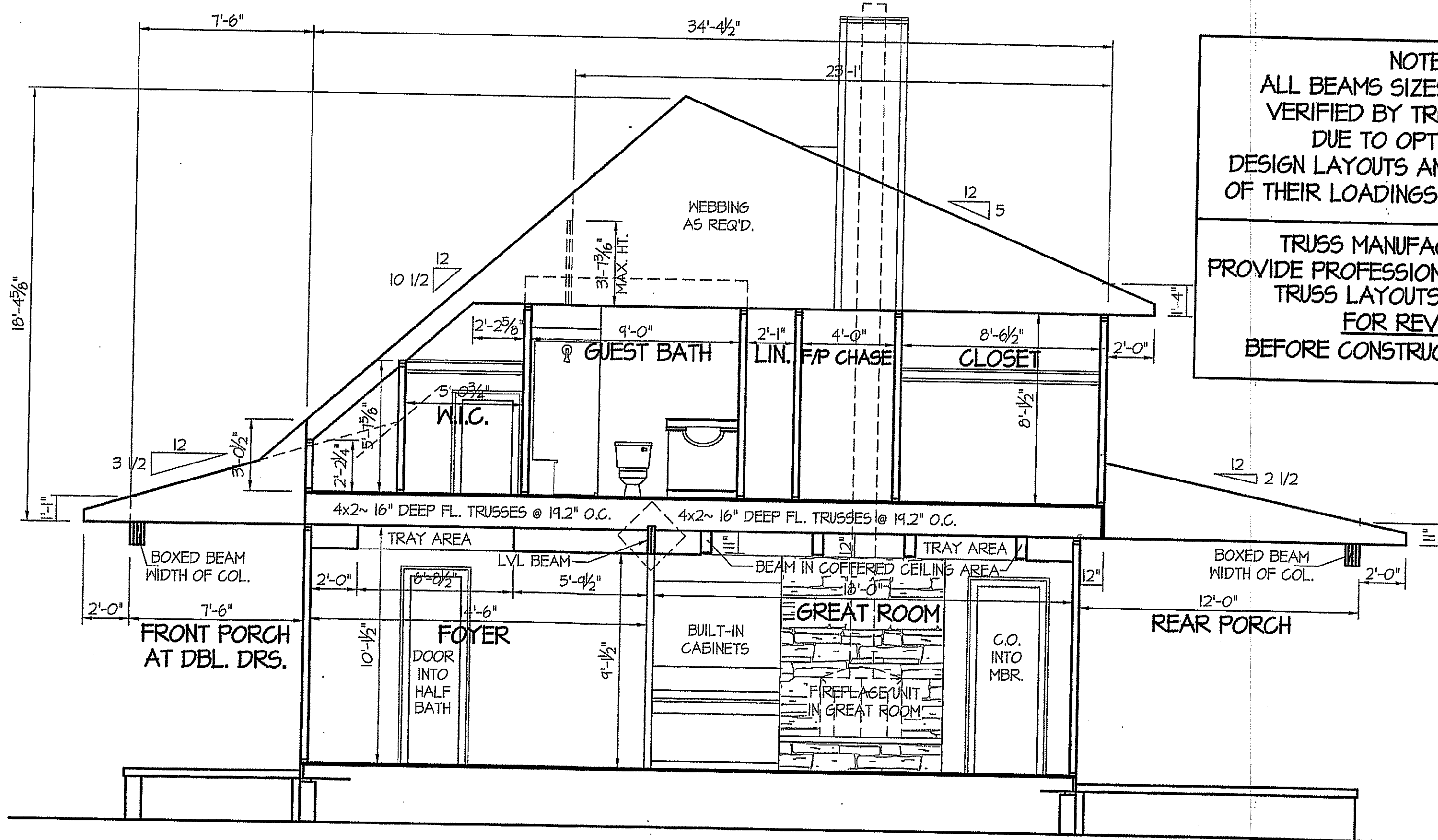
**Section Guide**  
1" = 40'



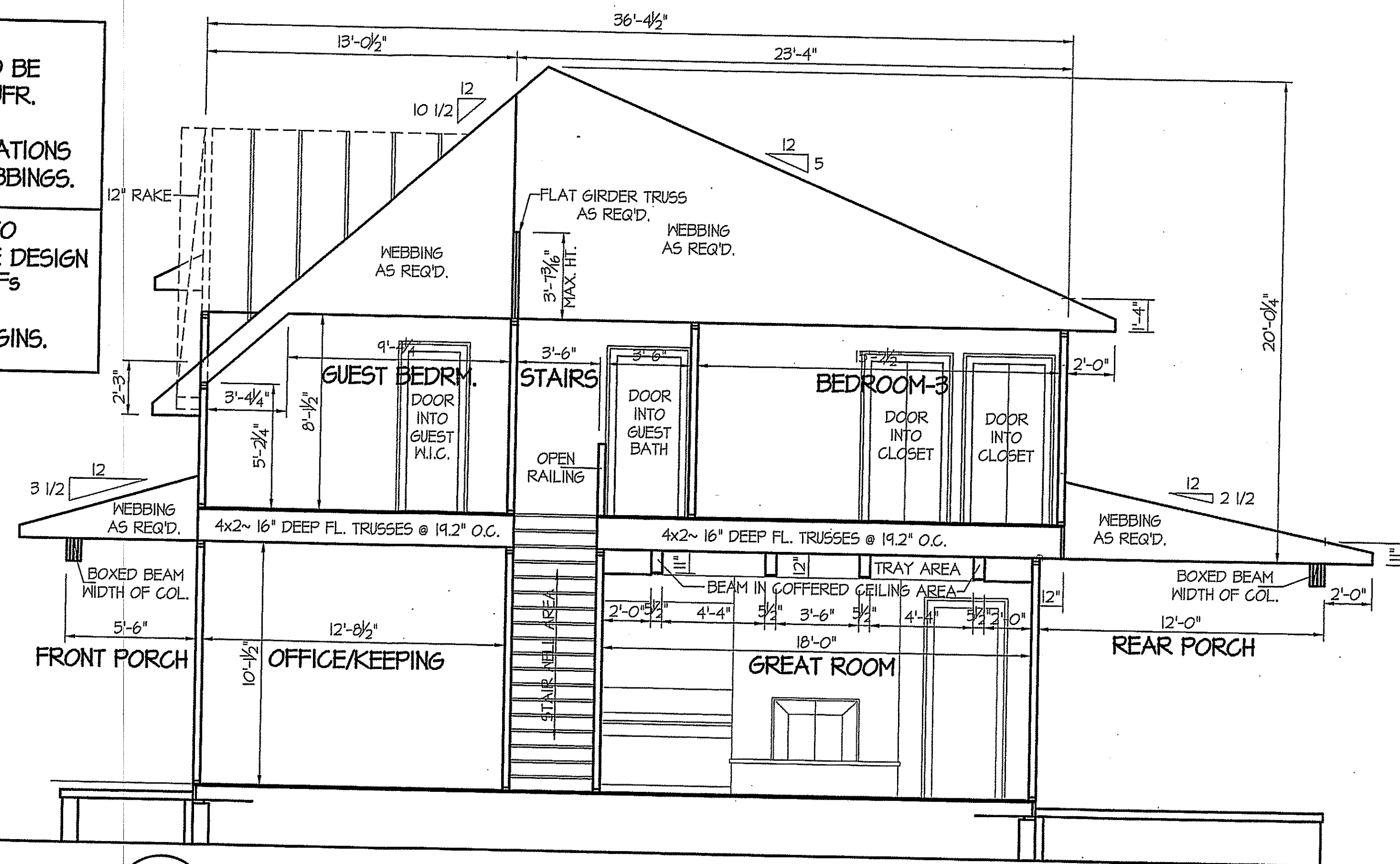
**Attic Storage  
Master Bath / Bedroom Section**  
1/4" = 1'-0"

**NOTE:**  
ALL BEAM SIZES ARE TO BE  
VERIFIED BY TRUSS MANUF.  
DUE TO OPTIONS OF  
DESIGN LAYOUTS AND FIGURATIONS  
OF THEIR LOADINGS AND WEBBINGS.

TRUSS MANUFACTURER TO  
PROVIDE PROFESSIONAL HOME DESIGN  
TRUSS LAYOUTS AND PDFs  
**FOR REVIEW**  
BEFORE CONSTRUCTION BEGINS.



**Guest Bedroom Bath / Closet  
F.Porch / Foyer / Great Room / C. Porch**  
1/4" = 1'-0"

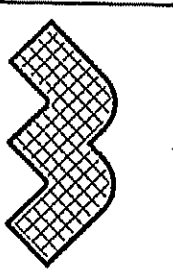


**Guest / Vestibule / Bedroom-3  
F. Porch / Keeping / Stairs / Great Rm. / C. Porch**  
1/4" = 1'-0"

DATE:  
SEPT. 4, 2020

REVISIONS  
DATE:

**WELLONS HOMES**  
P.O. BOX 730  
DUNN, N.C. - 28335  
O: (910) 892-3123 FAX: (910) 892-5032  
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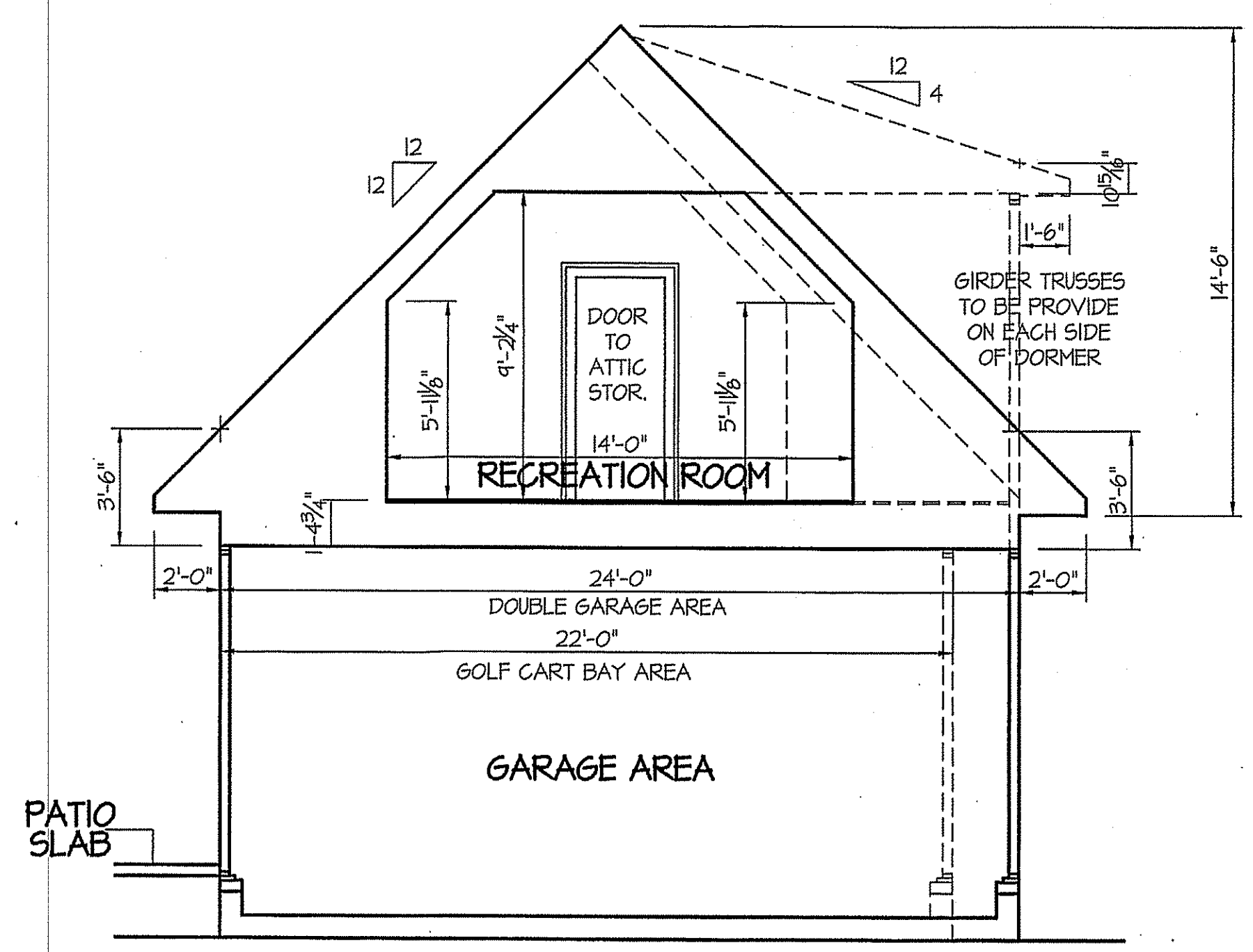
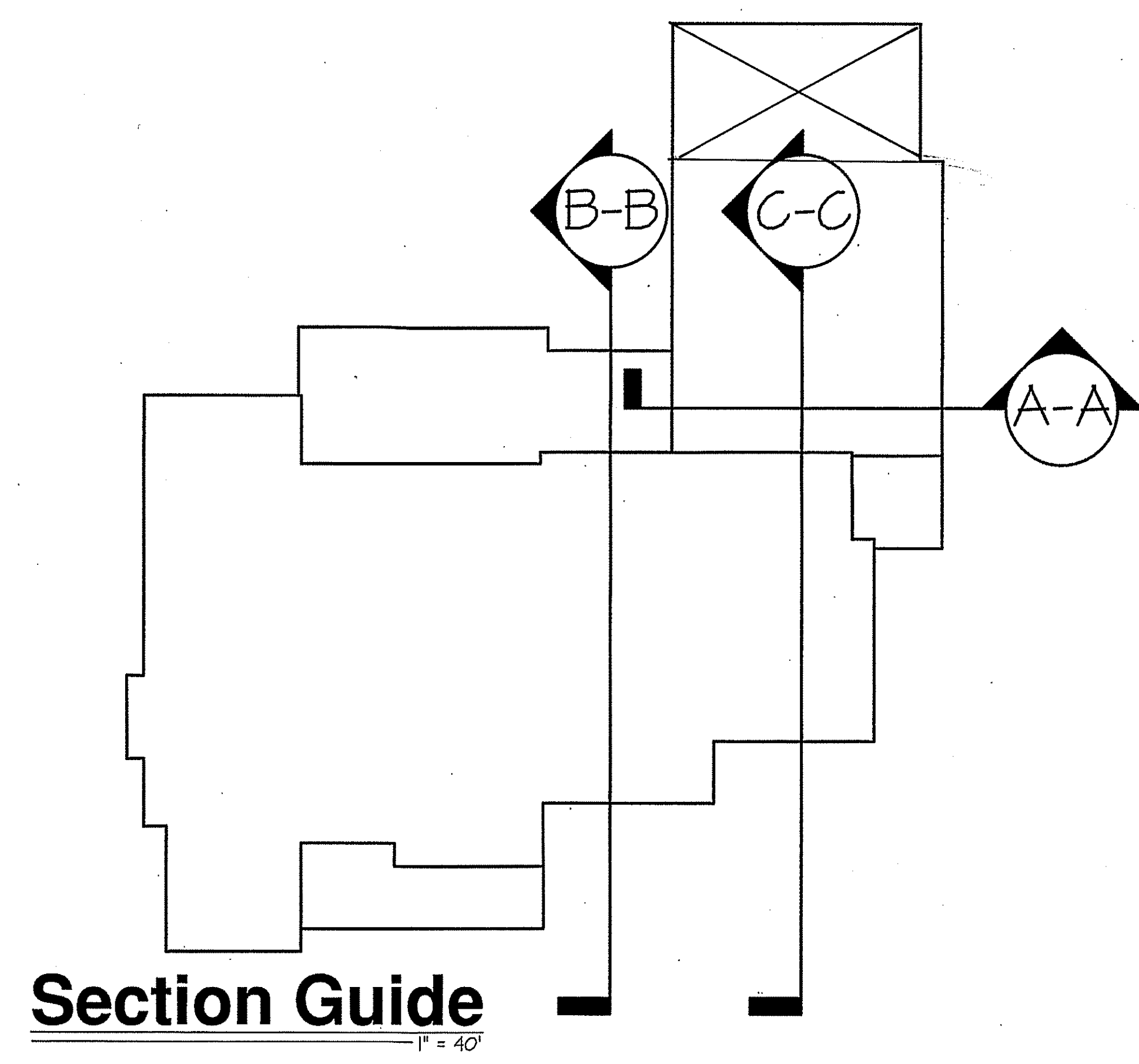
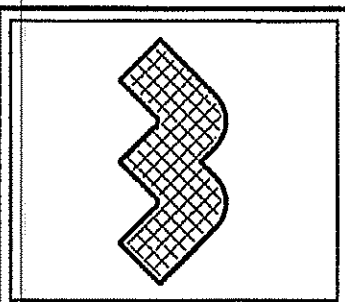


**EXCLUSIVE PLAN FOR  
WELLONS HOMES  
Lauren Wellons White**

PLAN:

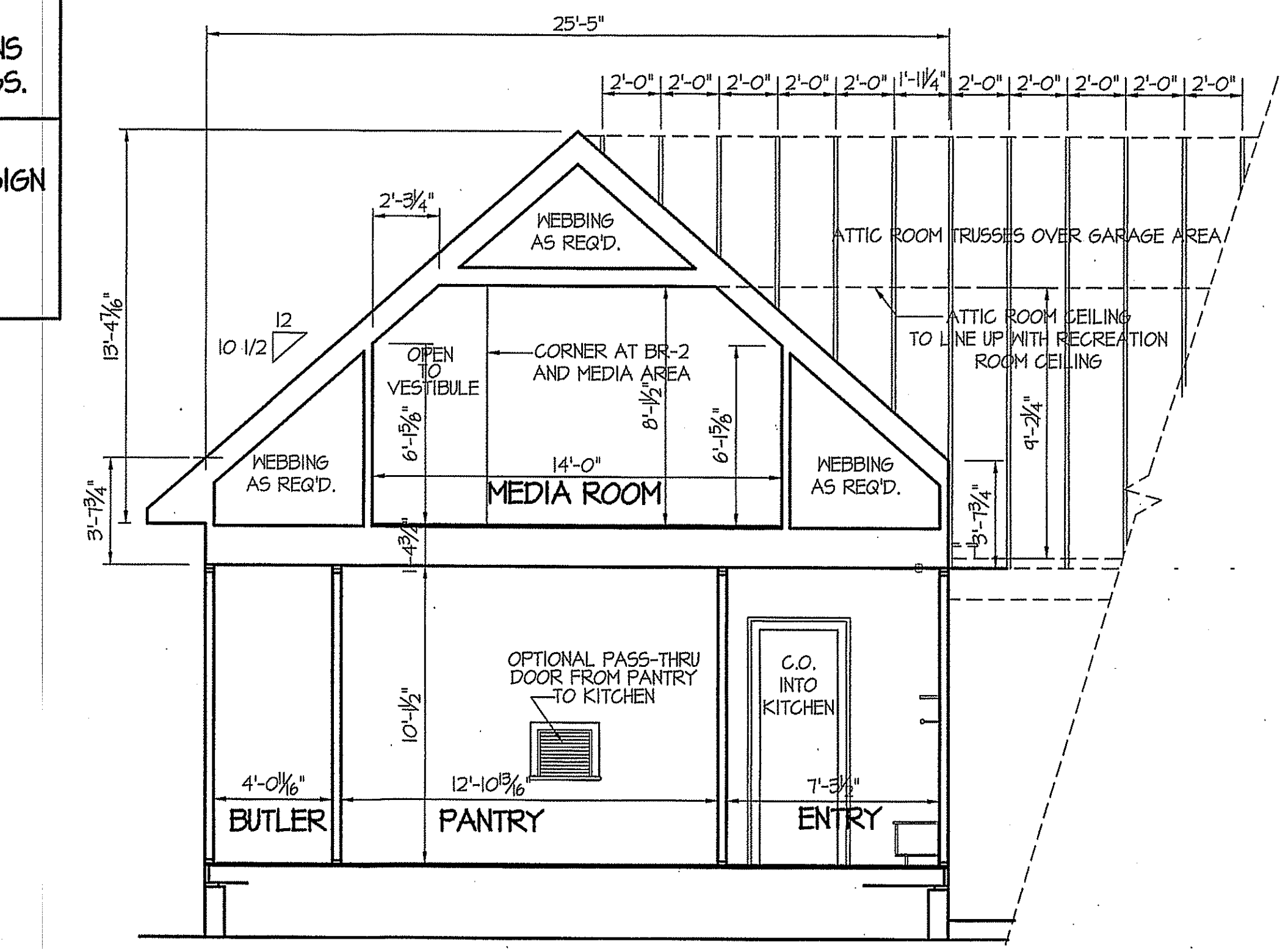
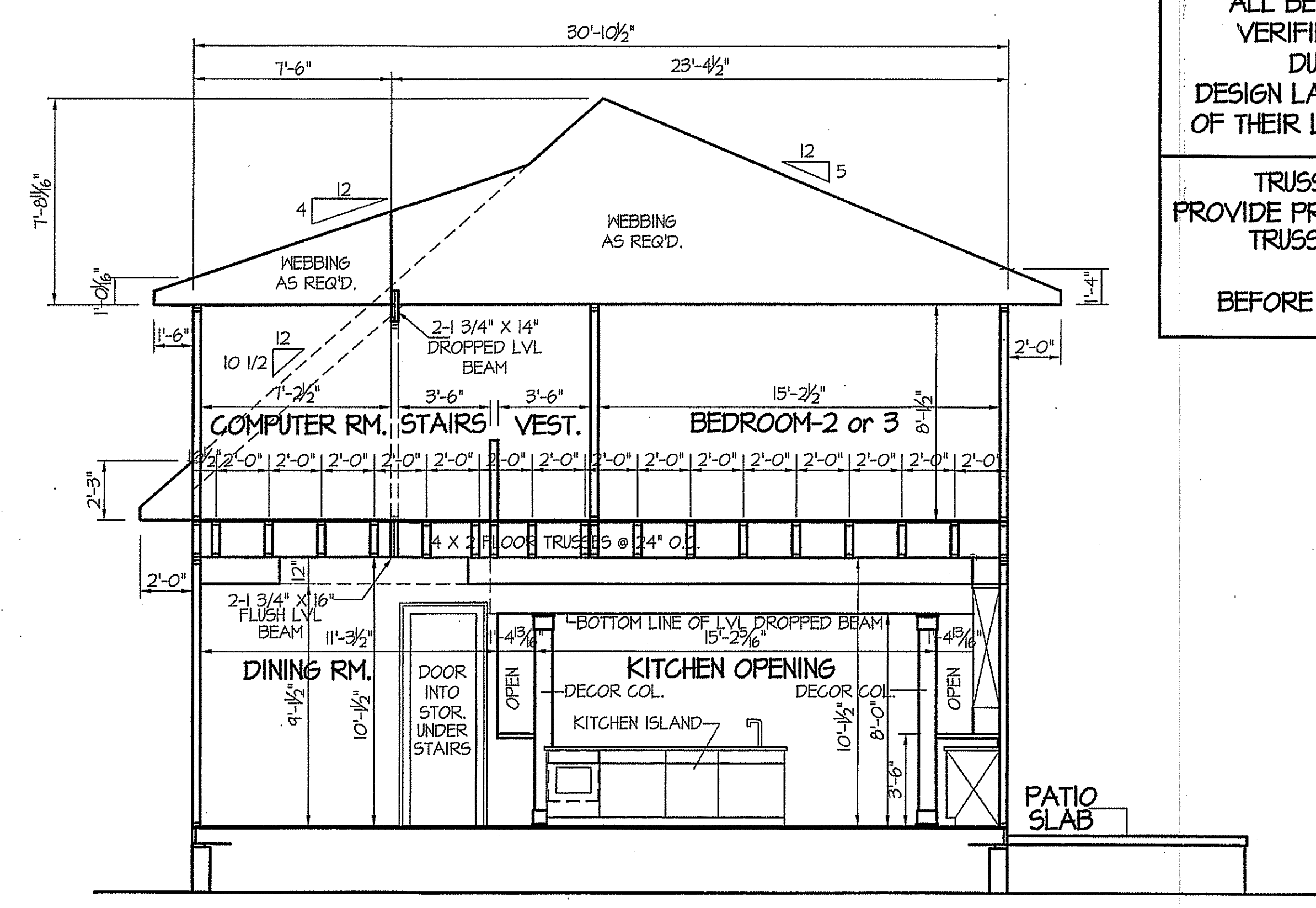
SHEET NO.  
**A-6**

DISK FILE NO. CF FILE NAME LAUREN WELLONS WHITE - JAN-2020



NOTE:  
ALL BEAMS SIZES ARE TO BE  
VERIFIED BY TRUSS MANUF.  
DUE TO OPTIONS OF  
DESIGN LAYOUTS AND FIGURATIONS  
OF THEIR LOADINGS AND WEBBINGS.

TRUSS MANUFACTURER TO  
PROVIDE PROFESSIONAL HOME DESIGN  
TRUSS LAYOUTS AND PDFs  
**FOR REVIEW**  
BEFORE CONSTRUCTION BEGINS.

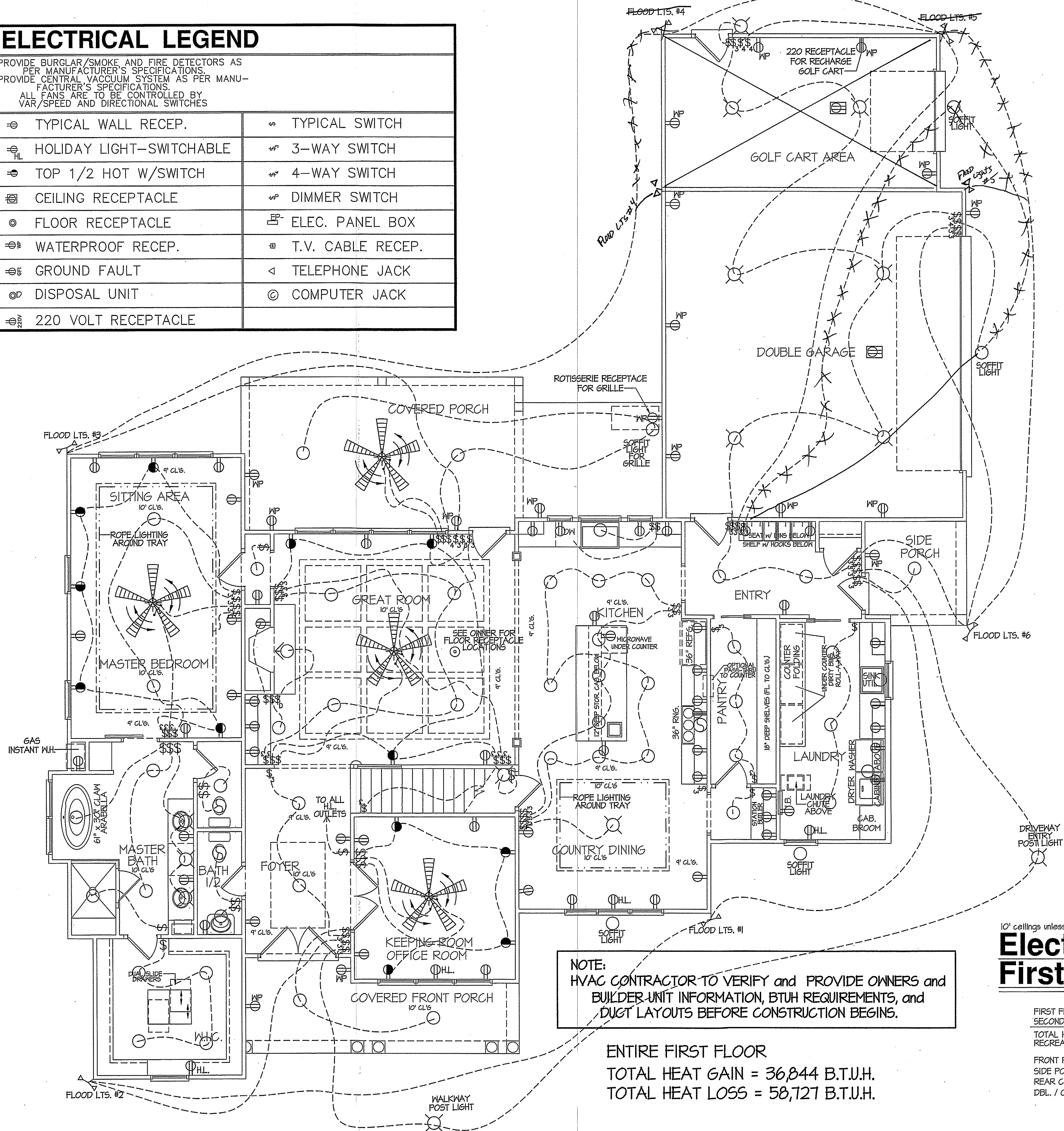


DISK FILE NO. CF FILE NAME LAUREN WELLONS WHITE - JAN-2020

# ELECTRICAL LEGEND

PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS.  
 PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS.  
 ALL FANS ARE TO BE CONTROLLED BY VAR/SPEED AND DIRECTIONAL SWITCHES

⊕ SURF. MOUNTED LIGHT	⊕ TYPICAL WALL RECEP.	⊕ TYPICAL SWITCH
○ RECESSED LIGHT	⊕ HL HOLIDAY LIGHT-SWITCHABLE	⊕ 3-WAY SWITCH
⊕ EYEBALL LIGHT	⊕ TOP 1/2 HOT W/SWITCH	⊕ 4-WAY SWITCH
⊕ FAN/LIGHT COMB.	⊕ CEILING RECEPTACLE	⊕ DIMMER SWITCH
— FLUORESCENT TUBE	⊕ FLOOR RECEPTACLE	⊕ ELEC. PANEL BOX
□ FLUOR. LIGHT FIXTURE	⊕ WATERPROOF RECEP.	⊕ T.V. CABLE RECEP.
⊕ EXHAUST FAN	⊕ GROUND FAULT	⊕ TELEPHONE JACK
⊕ CL'G. FAN	⊕ DISPOSAL UNIT	⊕ COMPUTER JACK
⊕ FLOOD LIGHT	⊕ 220 VOLT RECEPTACLE	



**NOTE:**  
 HVAC CONTRACTOR TO VERIFY and PROVIDE OWNERS and BUILDER UNIT INFORMATION, BTUH REQUIREMENTS, and DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

ENTIRE FIRST FLOOR  
 TOTAL HEAT GAIN = 36,844 B.T.U.H.  
 TOTAL HEAT LOSS = 58,127 B.T.U.H.

## Electrical & HVAC First Floor Plan

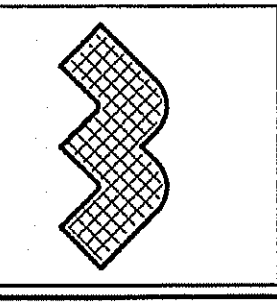
1/4"=1'-0"

FIRST FL. = 2233 FRAME-HEATED S.F.  
 SECOND FL. = 1358 FRAME-HEATED S.F.  
 TOTAL HEATED = 3591 FRAME-HEATED S.F.  
 RECREATION ROOM = 425 S.F.  
 FRONT PORCH = 135 S.F.  
 SIDE PORCH = 63 S.F.  
 REAR COVERED PORCH = 363 S.F.  
 DBL. / CART GARAGE = 883 S.F.

DATE:  
 SEPT. 4, 2020

REVISIONS  
 DATE:

**WELLONS HOMES**  
 P.O. BOX 730  
 DUNN, N.C. - 28335  
 O: (910) 892-3123 FAX: (910) 892-5032  
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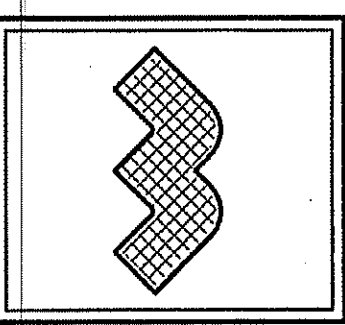


EXCLUSIVE PLAN FOR  
**WELLONS HOMES**  
**Lauren Wellons White**

PLAN:

SHEET NO.  
**A-8**

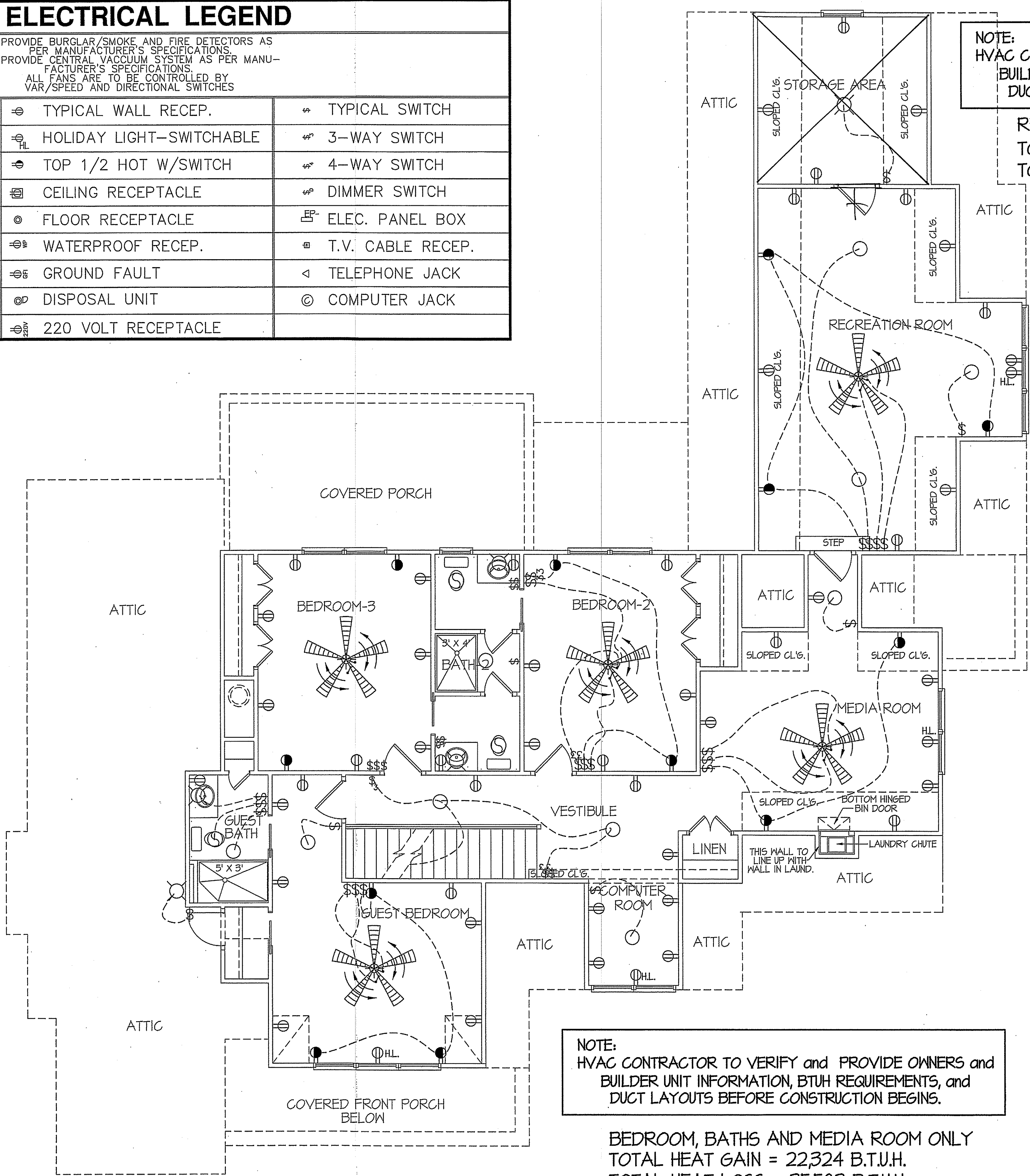




ELECTRICAL LEGEND		
PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS. PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS. ALL FANS ARE TO BE CONTROLLED BY VAR/SPEED AND DIRECTIONAL SWITCHES		
⊕ SURF. MOUNTED LIGHT	⊕ TYPICAL WALL RECEP.	⊕ TYPICAL SWITCH
○ RECESSED LIGHT	⊕ HL HOLIDAY LIGHT-SWITCHABLE	⊕ 3-WAY SWITCH
⊕ EYEBALL LIGHT	⊕ TOP 1/2 HOT W/SWITCH	⊕ 4-WAY SWITCH
⊕ FAN/LIGHT COMB.	⊕ CEILING RECEPTACLE	⊕ DIMMER SWITCH
— FLUORESCENT TUBE	⊕ FLOOR RECEPTACLE	⊕ ELEC. PANEL BOX
⊕ FLUOR. LIGHT FIXTURE	⊕ WATERPROOF RECEP.	⊕ T.V. CABLE RECEP.
⊕ EXHAUST FAN	⊕ GROUND FAULT	⊕ TELEPHONE JACK
⊕ CL'G. FAN	⊕ DISPOSAL UNIT	⊕ COMPUTER JACK
⊕ FLOOD LIGHT	⊕ 220 VOLT RECEPTACLE	

NOTE:  
HVAC CONTRACTOR TO VERIFY and PROVIDE OWNERS and BUILDER UNIT INFORMATION, BTUH REQUIREMENTS, and DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

RECREATION ROOM ONLY  
TOTAL HEAT GAIN = 8,075 B.T.U.H.  
TOTAL HEAT LOSS = 12,625 B.T.U.H.

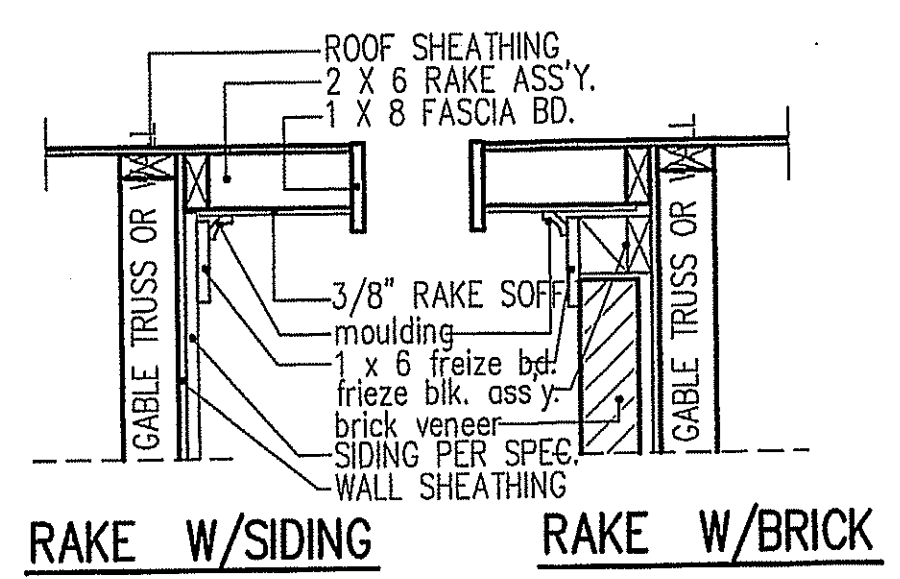
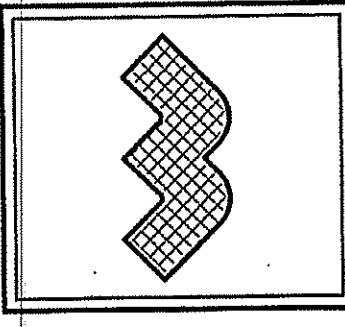


NOTE:  
HVAC CONTRACTOR TO VERIFY and PROVIDE OWNERS and BUILDER UNIT INFORMATION, BTUH REQUIREMENTS, and DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

BEDROOM, BATHS AND MEDIA ROOM ONLY  
TOTAL HEAT GAIN = 22,324 B.T.U.H.  
TOTAL HEAT LOSS = 35,583 B.T.U.H.

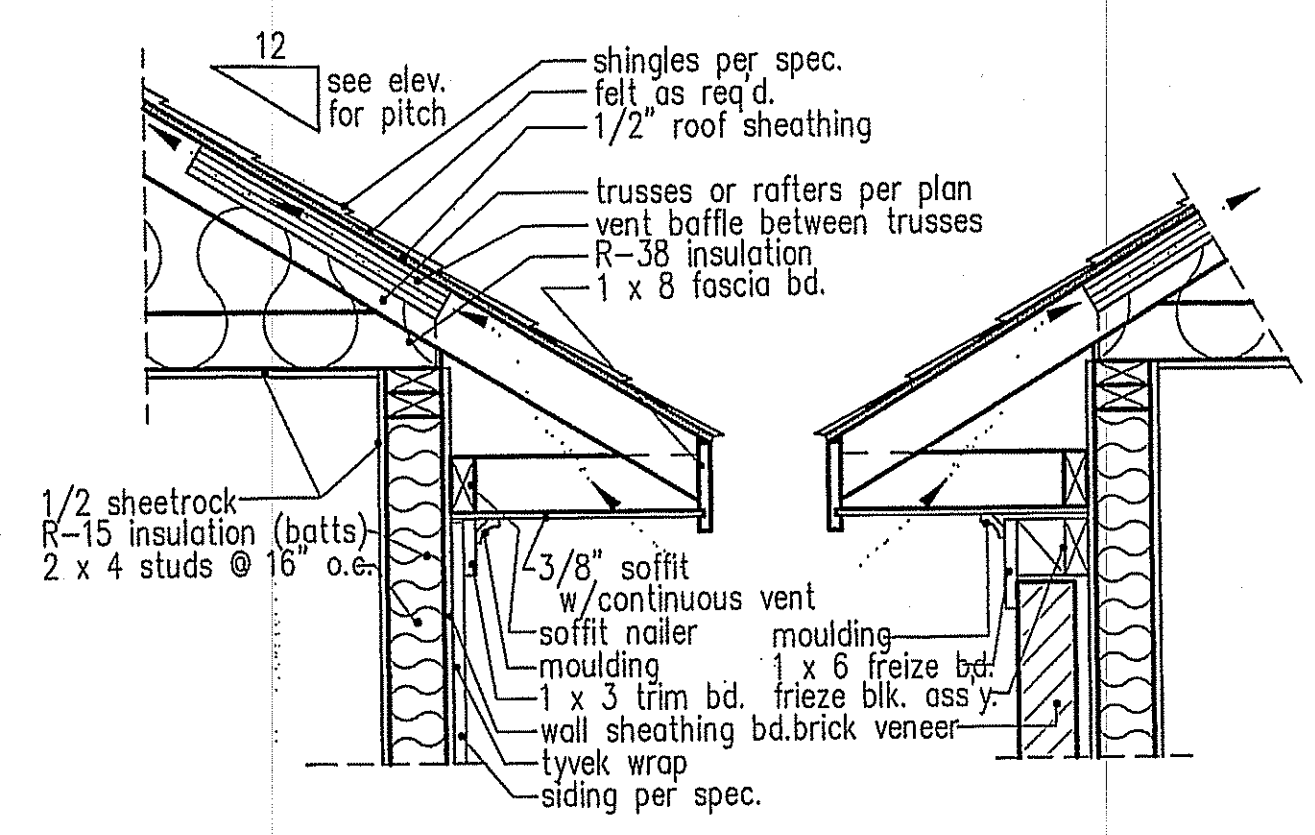
8' ceilings unless otherwise noted  
**Electrical & HVAC**  
**Second Floor Plan**  
1/4"=1'-0"

SECOND FL. = 1333 FRAME-HEATED S.F.  
RECREATION ROOM = 425 S.F.  
STORAGE AREA = 151 S.F.



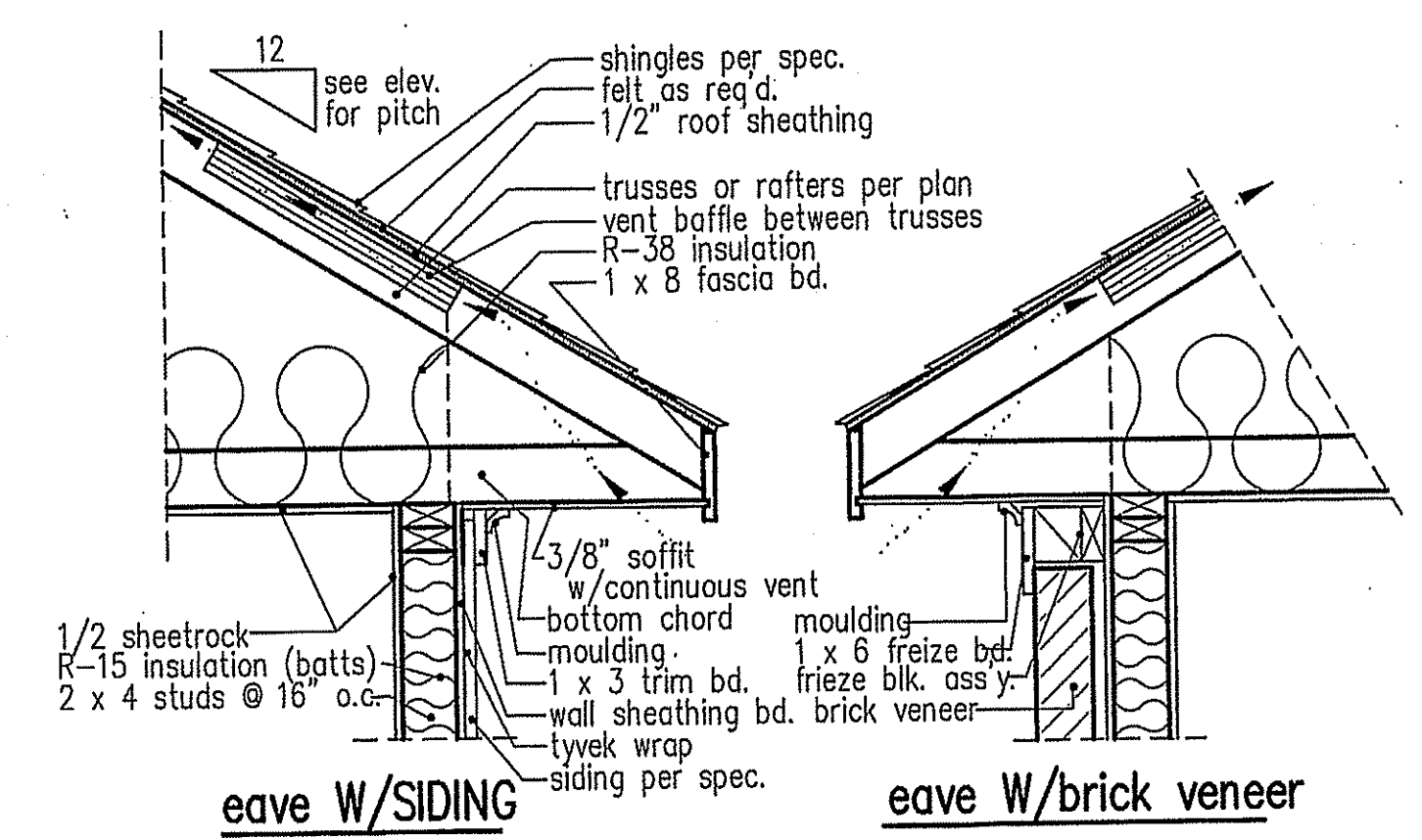
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

**RAKE details**



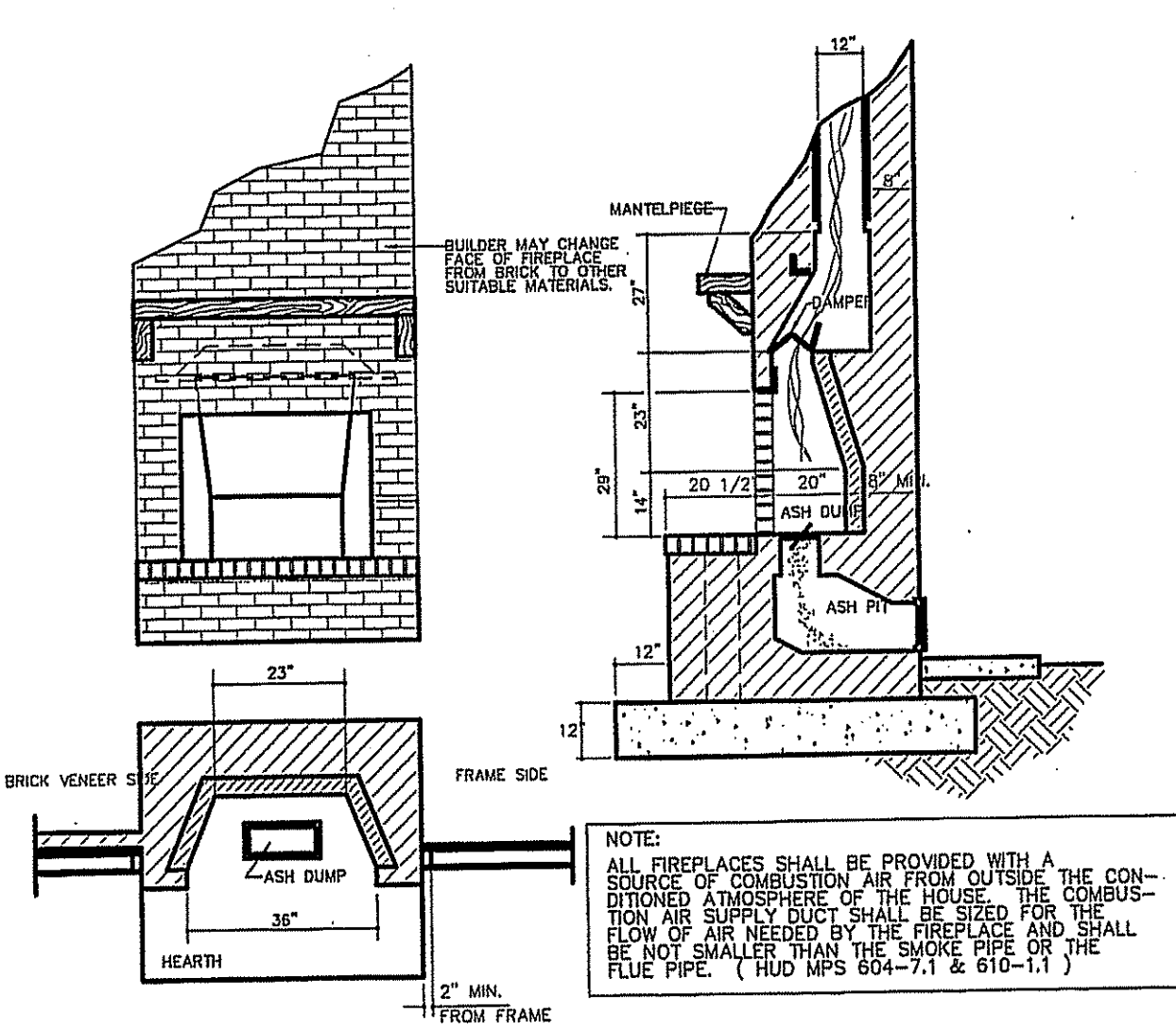
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

**standard eave details**



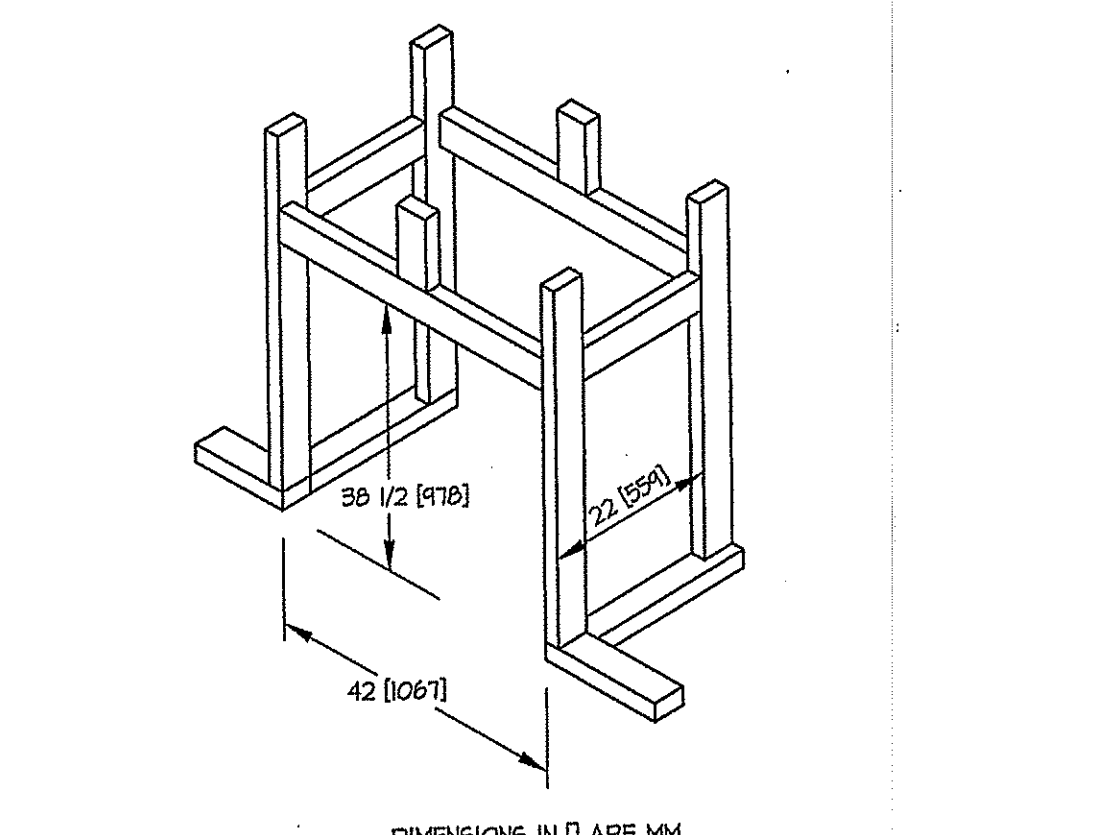
NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

**cantilevered eave details**

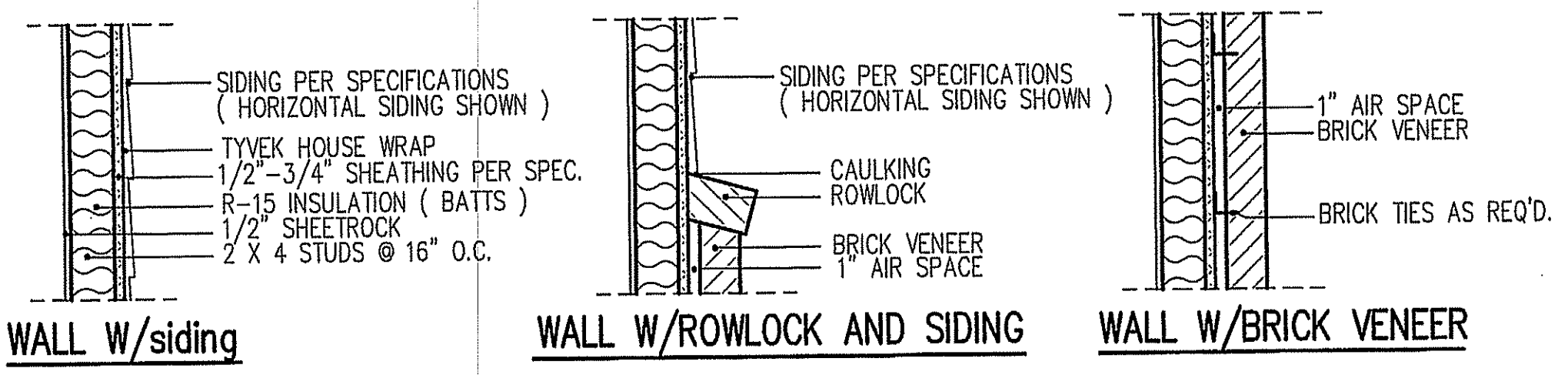


NOTE: ALL FIREPLACES SHALL BE PROVIDED WITH A SOURCE OF COMBUSTION AIR FROM OUTSIDE THE CONFINED ATMOSPHERE OF THE HOUSE. THE COMBUSTION AIR SUPPLY DUCT SHALL BE SIZED FOR THE FLOW OF AIR REQUIRED BY THE FIREPLACE AND SHALL BE NOT SMALLER THAN THE SMOKE PIPE OR THE FLUE PIPE. (HUD MPS 604-7.1 & 610-1.1)

**FIREPLACE SECTIONS AND DETAILS (masonry only)**



REFERENCE DIMENSIONS ONLY - MANUF. RECOMMEND MEASURING INDIVIDUAL UNITS AT INSTALLATION

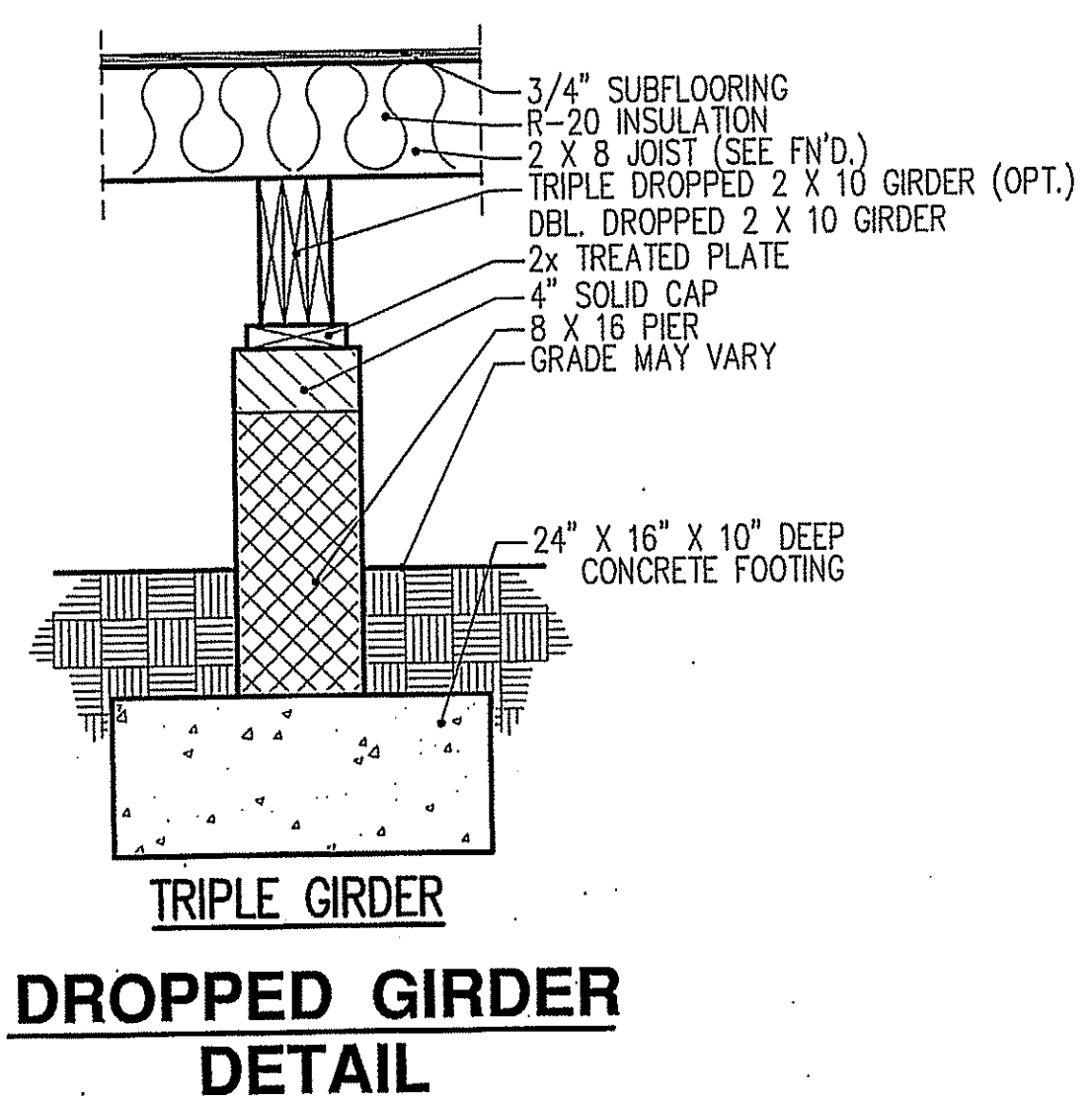


**intermediate wall details**

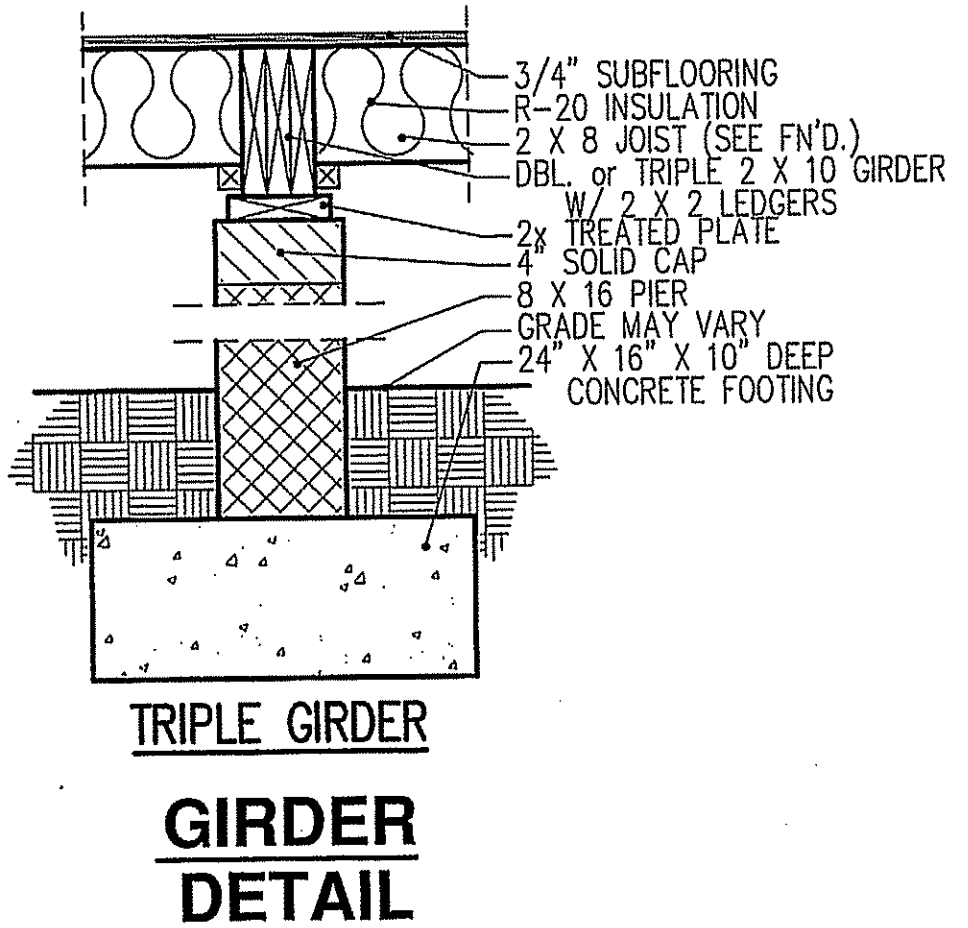
HEADER SPANS FOR EXTERIOR LOAD CONDITIONS

SOUTHERN PINE	BUILDING WIDTH (FT.)			PARTIAL TABLE R502.5(1) NORTH CAROLINA STATE BUILDING CODE RESIDENTIAL CODE 2012 EDITION	SPRUCE-PINE-FIR		
	20	28	36		20	28	36
2-2 x 4	3-4	3-5	3-2	3-7	3-3	3-0	
2-2 x 6	5-11	5-3	4-8	5-8	5-0	4-5	
2-2 x 8	7-8	6-8	5-11	7-3	6-3	5-1	
2-2 x 10	9-4	8-1	7-3	8-10	7-8	6-10	
2-2 x 12	10-10	9-5	8-5	10-3	8-11	8-0	

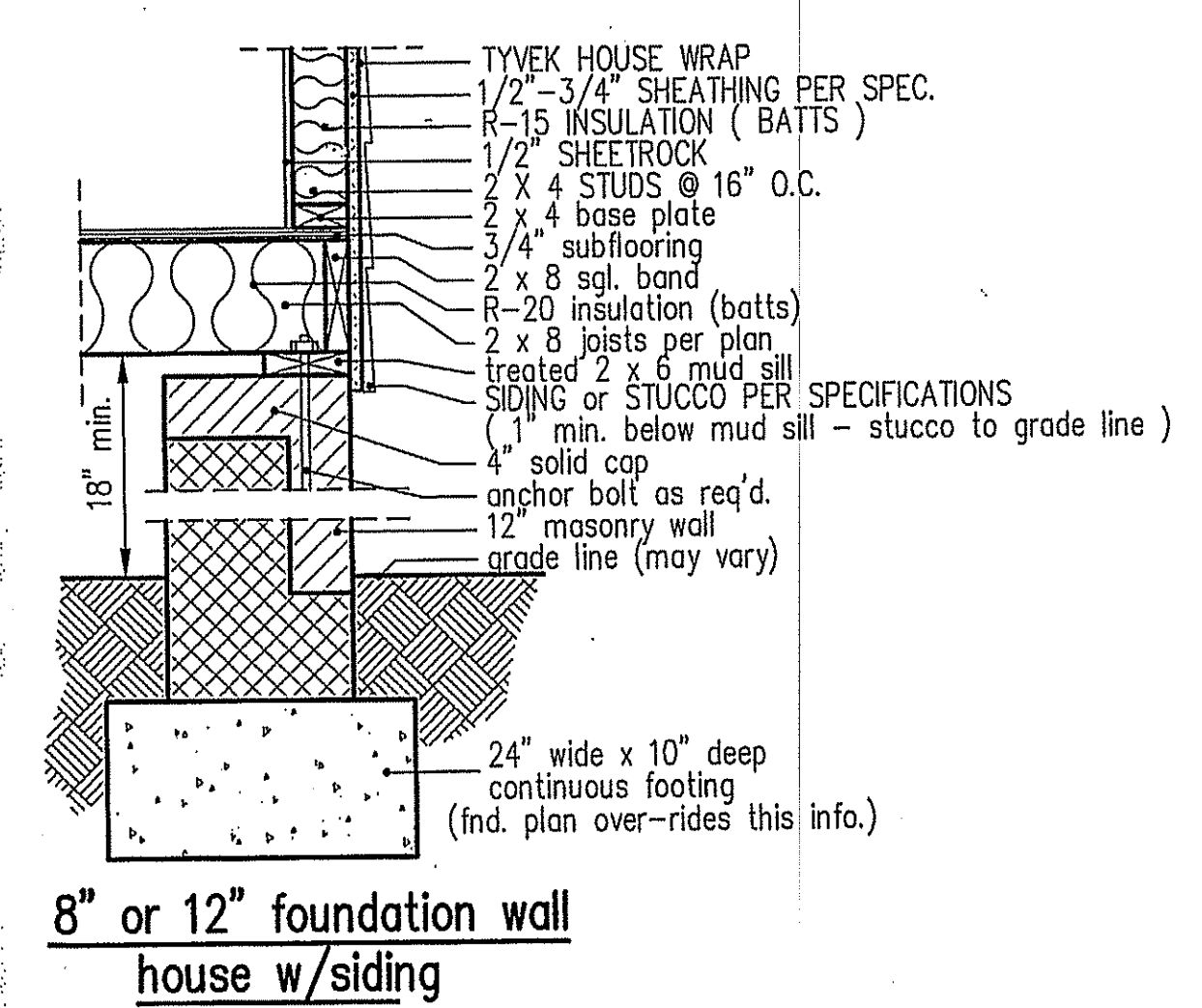
LOADS ABOVE APPLY TO UNIFORM DISTRIBUTION OF LOADING ON EXTERIOR WALLS. WHEN A CONCENTRATED LOAD IS APPLIED SUCH AS A GIRDER TRUSSES, BEAMS AND UNUSUAL LOADING IS APPLIED, THE BUILDER IS TO MODIFY THE SIZE OF HEADERS TO ACCOMMODATE THE ADDITIONAL POINT LOAD.



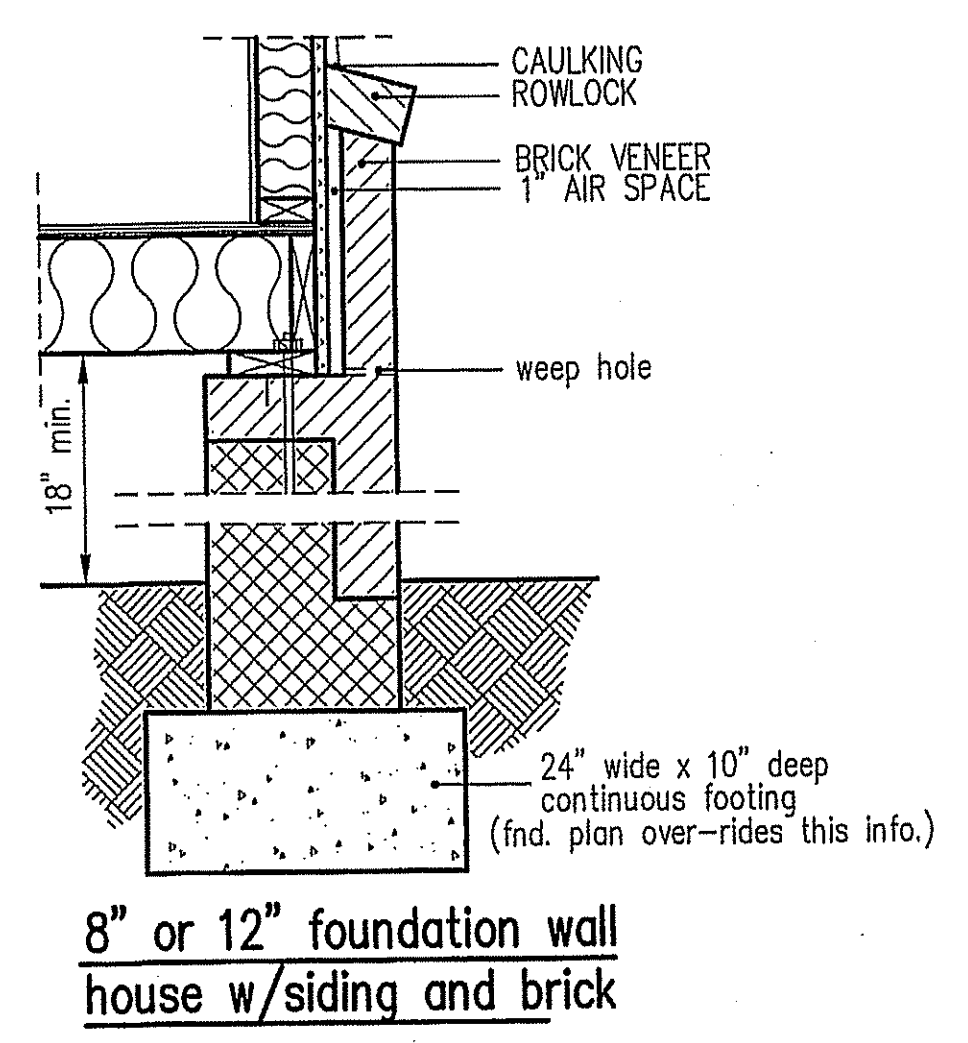
**DROPPED GIRDER DETAIL**



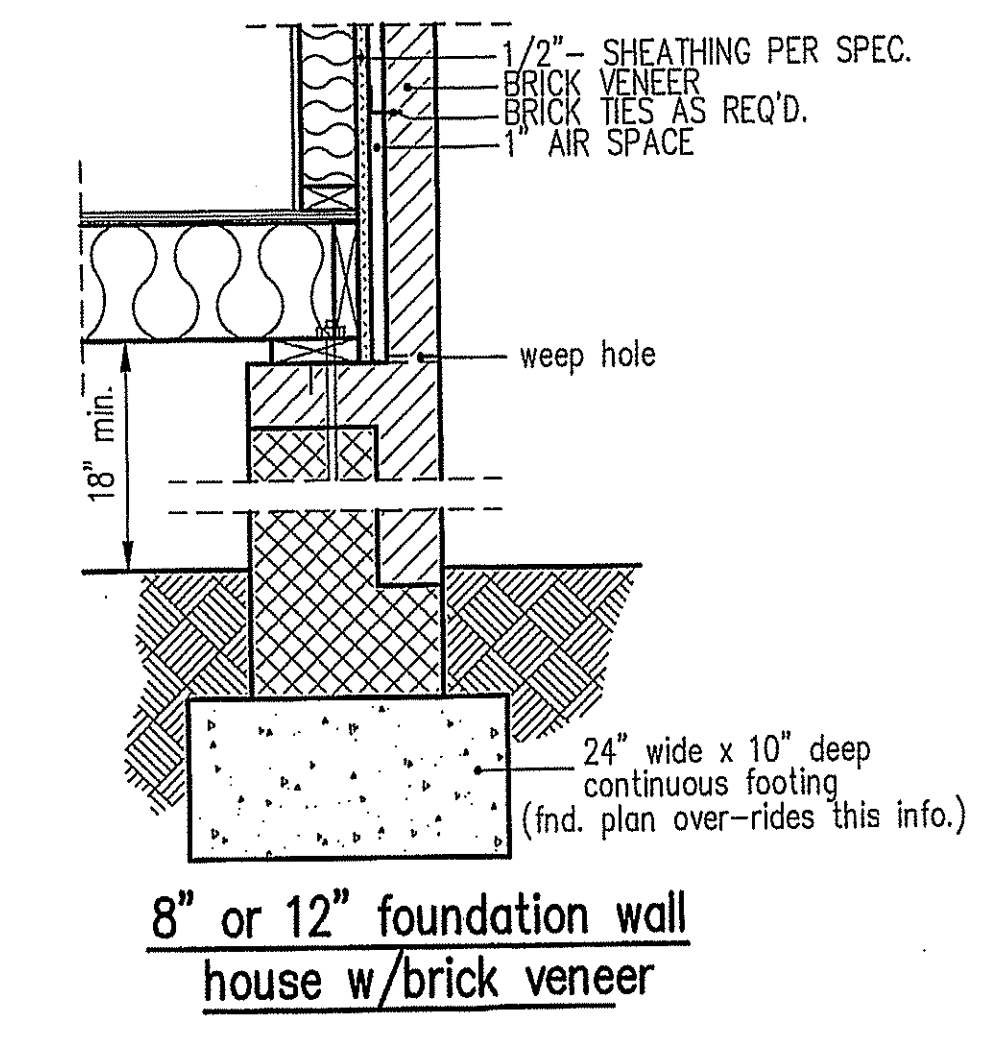
**TRIPLE GIRDER GIRDER DETAIL**



**8" or 12" foundation wall house w/siding**



**8" or 12" foundation wall house w/siding and brick box sill foundation details**



**8" or 12" foundation wall house w/brick veneer**

**TYPICAL DETAIL SHEET**