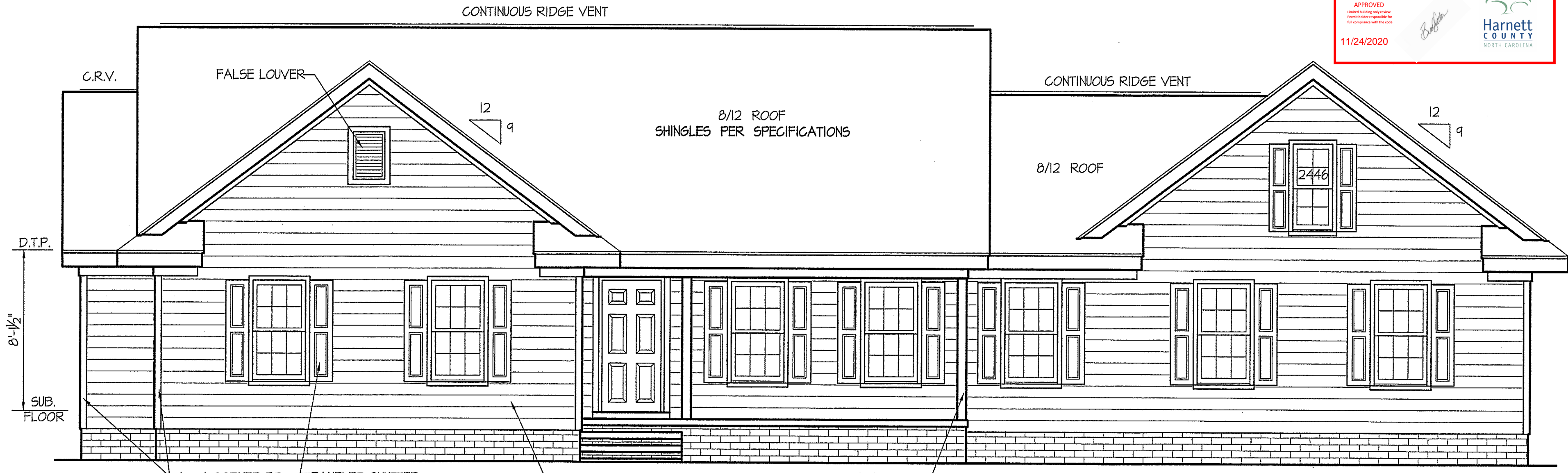


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

NOTICE TO CONTRACTOR
All construction shall comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED
11/24/2020

DATE:
OCTOBER 5, 2020



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

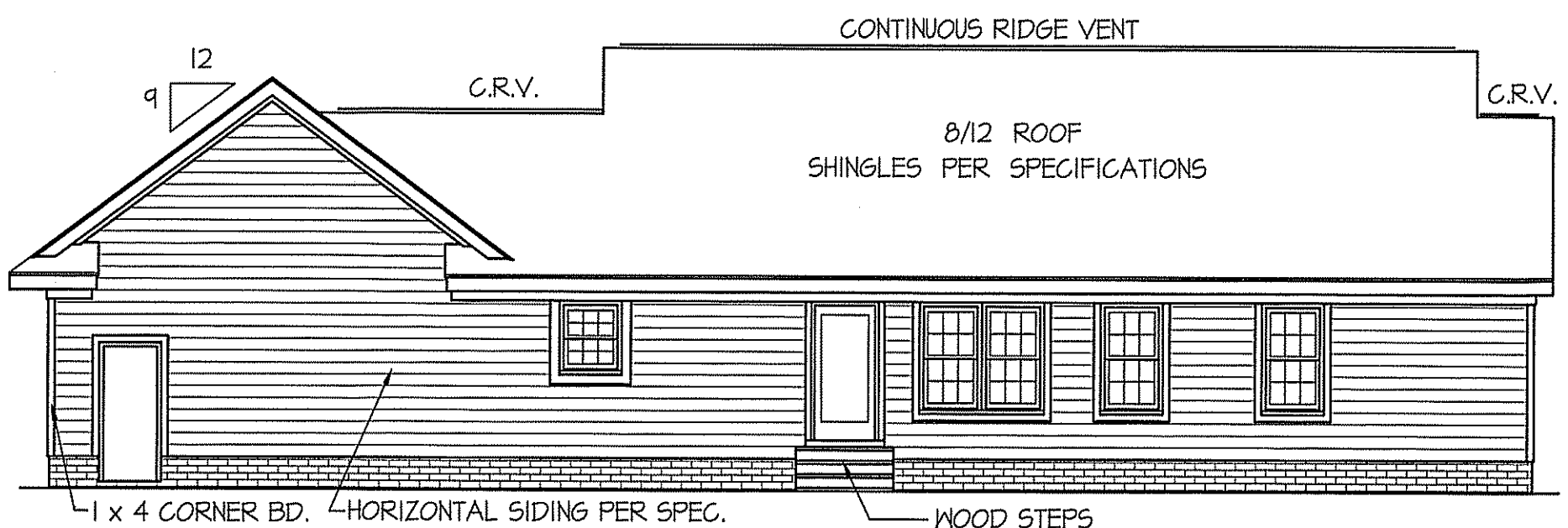
SQUARE FOOTAGE
FRAME HEATED AREA = 1558 S.F.
DOUBLE GARAGE AREA = 521 S.F.
FRONT PORCH = 140 S.F.

ROOF VENTILATION REQ'MTS.
2219 ATTIC SQ. FT. / 300 = 7.40

PROVIDED ON PLAN
101 L.F. RIDGE VENT = 18.93
153 L.F. SOFFIT VENT = 9.56
TOTAL = 28.49 S.F. FREE NET AREA

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

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115



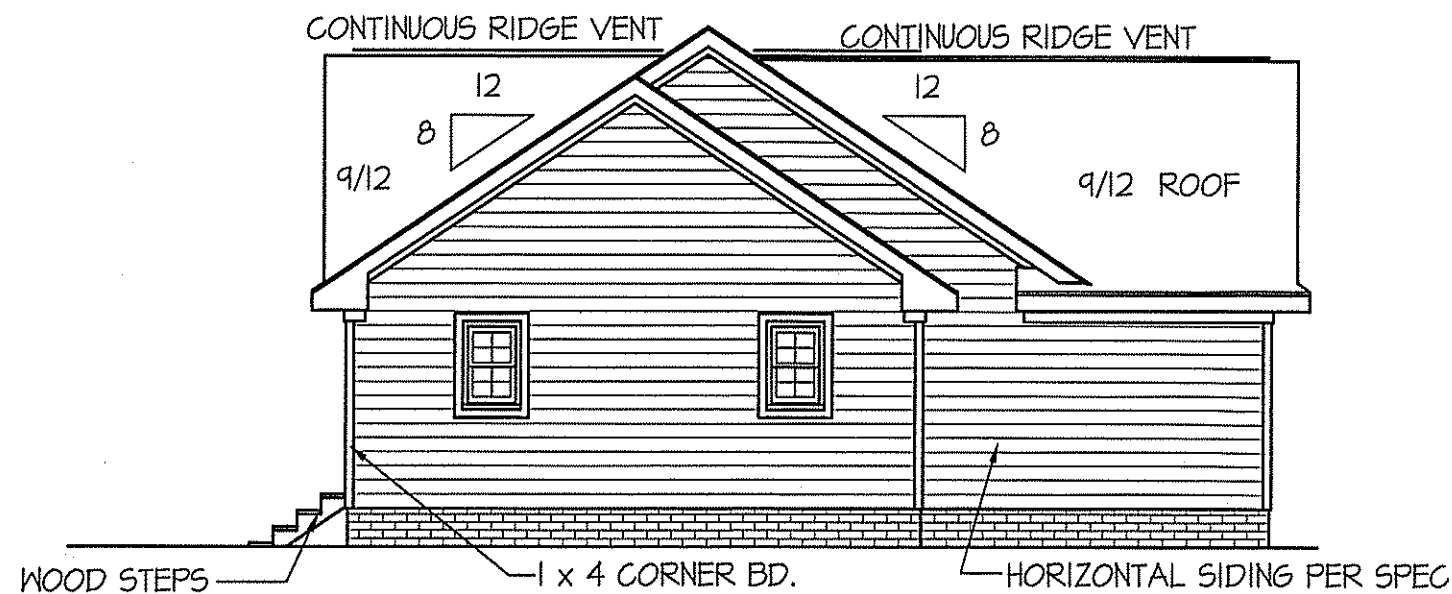
REAR ELEVATION
SCALE: 1/8" = 1'-0"

INSULATION and FENESTRATION REQUIREMENTS

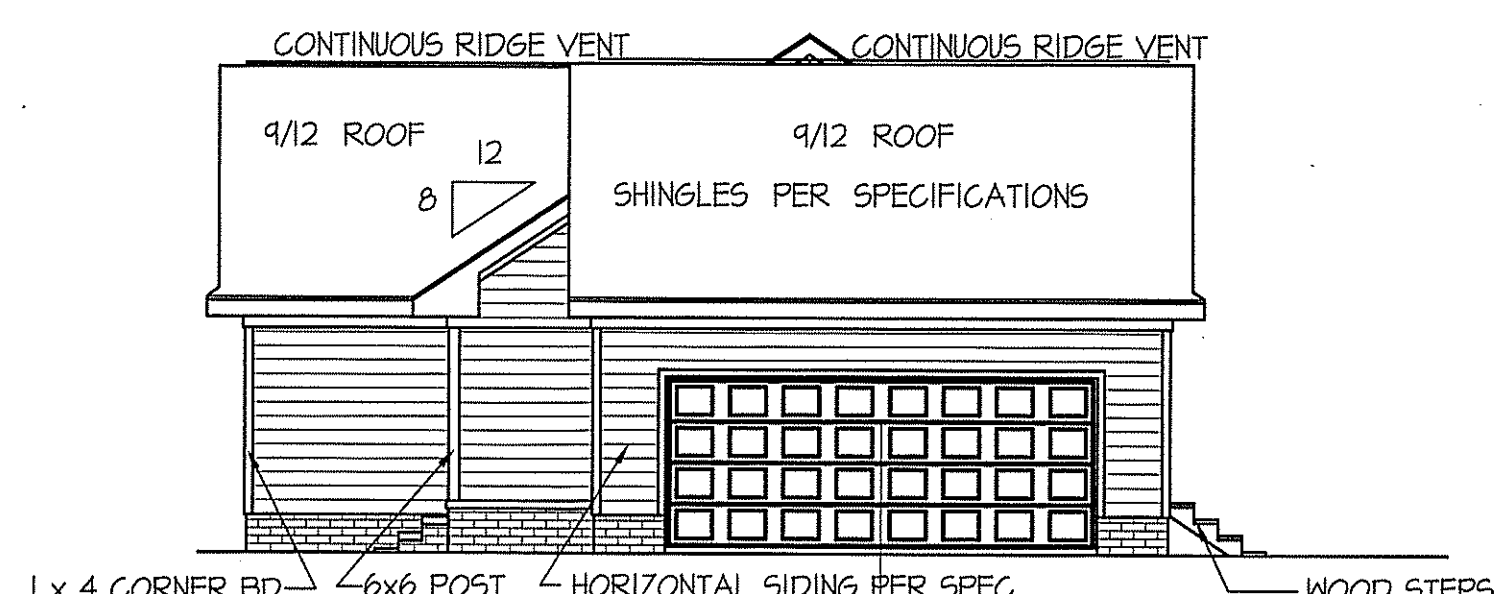
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, I3+2.5	R-15, I3+2.5
MINIMUM FLOOR R-VALUE	R-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/13	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY

ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-WSP (7/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

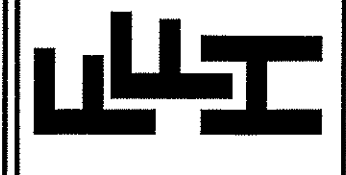


LEFT ELEVATION
SCALE: 1/8" = 1'-0"



RIGHT ELEVATION
SCALE: 1/8" = 1'-0"

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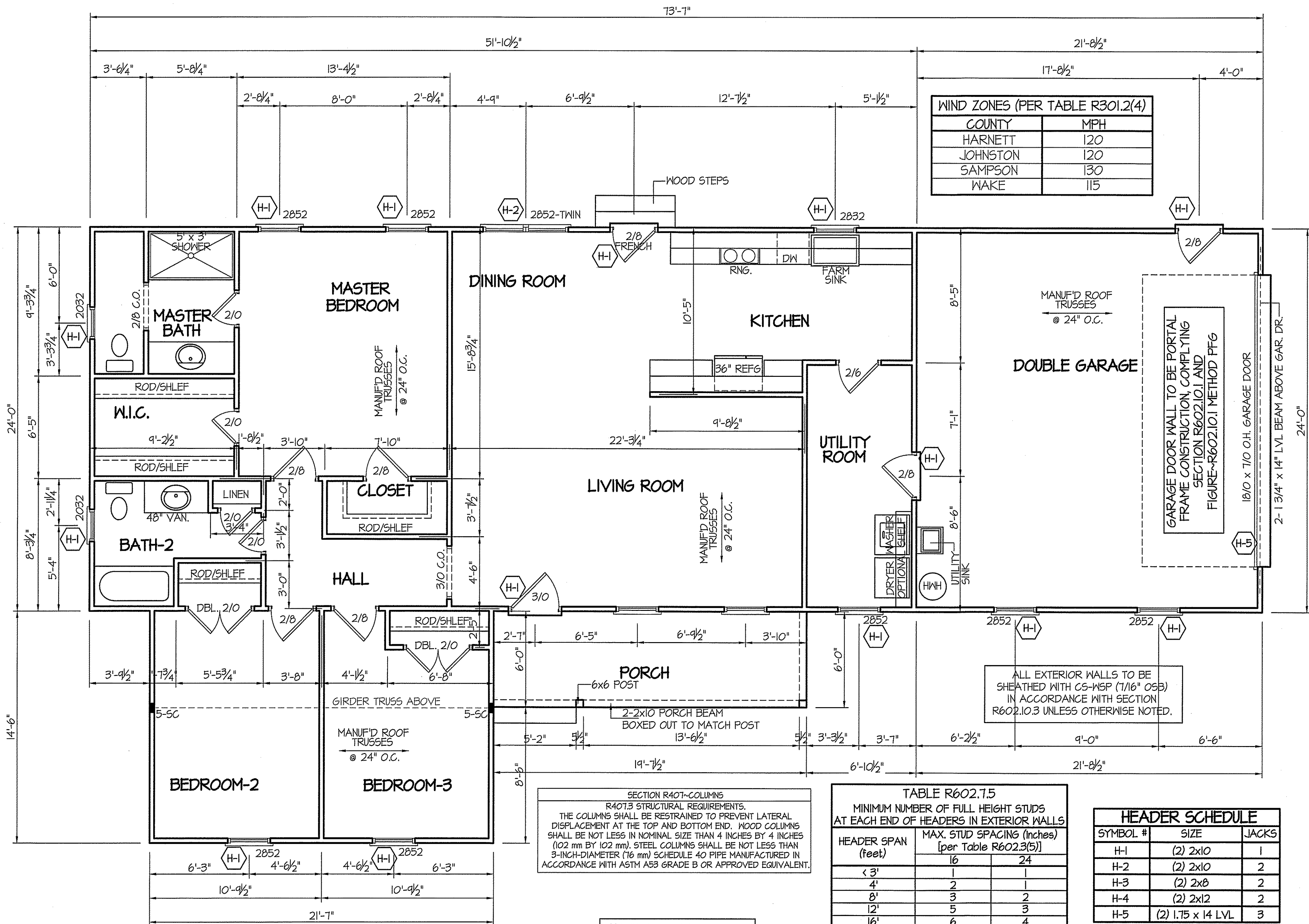


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
ADAMS~JOHNSON

SHEET NO.
1

C.F.-JOHNSON-ADAMS PLAN - OCTOBER 5, 2020

JA KAK

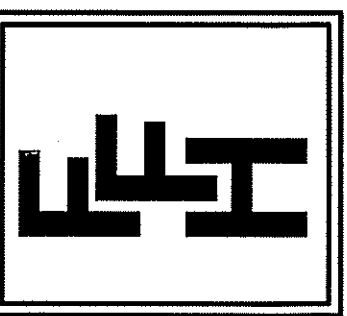


WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

DATE:
OCTOBER 5, 2020

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SHEET NO.
2

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).

ALL INTERIOR AND EXTERIOR LOAD BEARING HEADERS WILL BE 2x10 #2 5PF UNLESS OTHERWISE NOTED.

SECTION R407-COLUMNS
R407.3 STRUCTURAL REQUIREMENTS.
THE COLUMNS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE TOP AND BOTTOM END. WOOD 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.

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

HEADER SCHEDULE

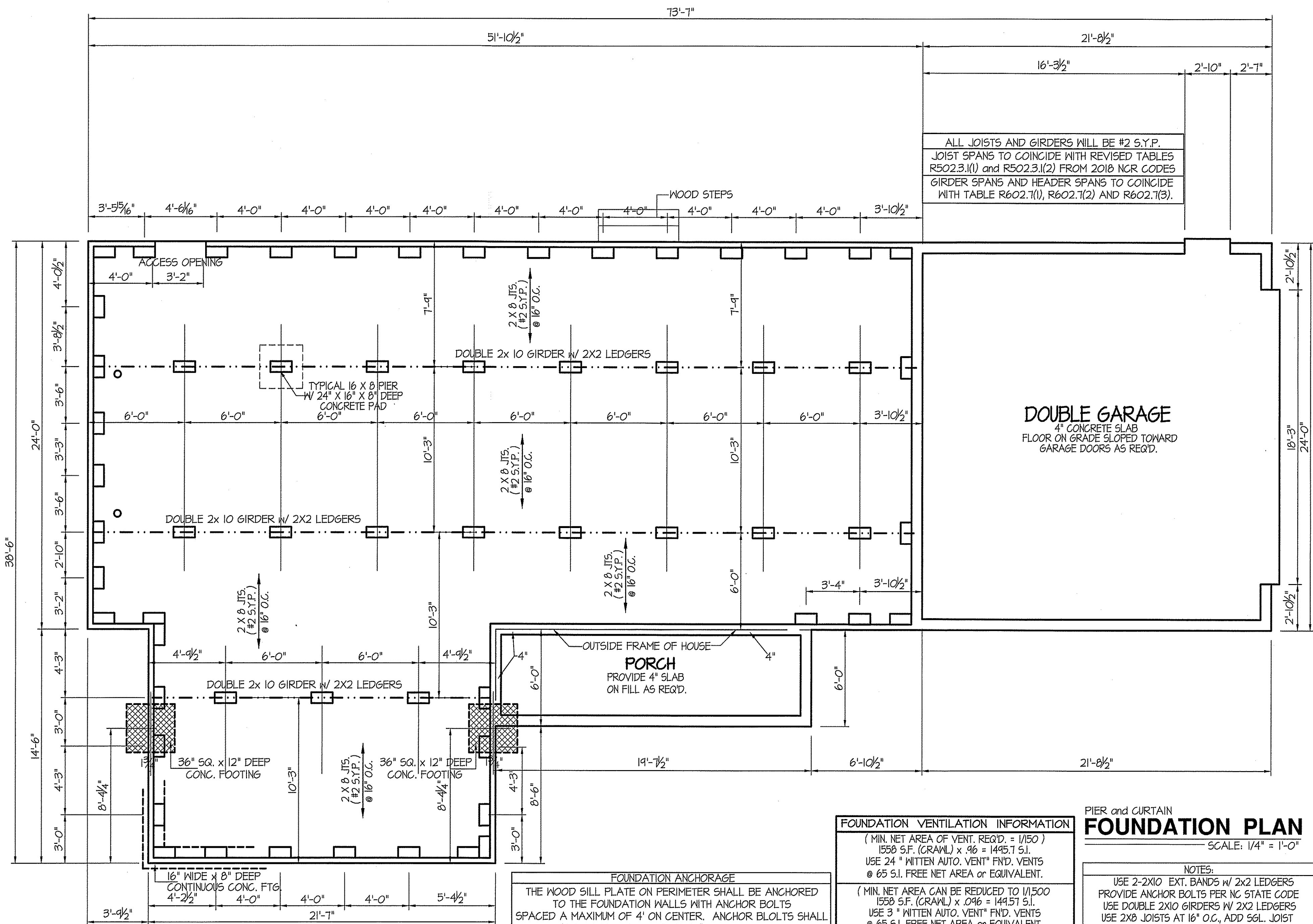
SYMBOL #	SIZE	JACKS
H-1	(2) 2x10	1
H-2	(2) 2x10	2
H-3	(2) 2x8	2
H-4	(2) 2x12	2
H-5	(2) 1.75 x 14 LVL	3

SQUARE FOOTAGE
FRAME HEATED AREA = 1558 S.F.
DOUBLE GARAGE AREA = 521 S.F.
FRONT PORCH = 140 S.F.

8' CEILINGS UNLESS OTHERWISE NOTED
FLOOR PLAN
SCALE: 1/4" = 1'-0"

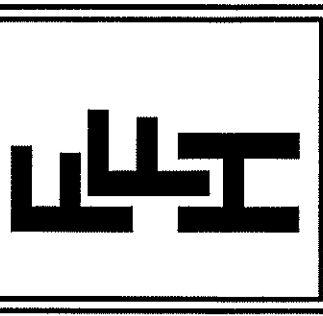
DA VPA

C.F.-JOHNSON-ADAMS PLAN - OCTOBER 5, 2020



DATE:
OCTOBER 5, 2020

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ADAMS~JOHNSON**

SHEET NO.
3

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 R602.7(1), R602.7(2) AND R602.7(3).

FOUNDATION DRAINAGE EXCEPTION
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 I SOILS, AS DETAILED IN TABLE R405.1

FOUNDATION ANCHORAGE
THE WOOD SILL PLATE ON PERIMETER SHALL BE ANCHORED
TO THE FOUNDATION WALLS WITH ANCHOR BOLTS
SPACED A MAXIMUM OF 4' ON CENTER. ANCHOR BOLTS SHALL
ALSO BE LOCATED WITHIN 12" FROM THE ENDS
OF EACH PLATE SECTION. BOLTS SHALL BE AT LEAST
1/2" IN DIAMETER AND SHALL EXTEND A MINIMUM
OF 15" INTO MASONRY OR CONCRETE.
BOLTS CAN BE SUBSTITUTED WITH
SIMPSON-MA5 STRAPS @ 4' O.C.

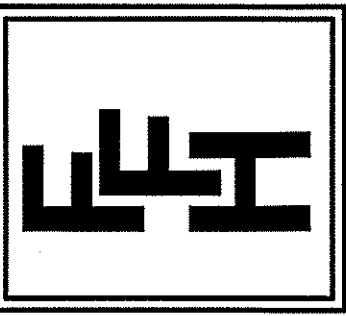
FOUNDATION VENTILATION INFORMATION
(MIN. NET AREA OF VENT. REQ'D. = 1/150)
1558 S.F. (CRAWL) x .096 = 1495.7 S.I.
USE 24" WITTEN AUTO. VENT" FND. VENTS
@ 65 S.I. FREE NET AREA or EQUIVALENT.
(MIN. NET AREA CAN BE REDUCED TO 1/1500
1558 S.F. (CRAWL) x .096 = 1495.7 S.I.
USE 3" WITTEN AUTO. VENT" FND. 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.

PIER and CURTAIN
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"
NOTES:
USE 2-2X10 EXT. BANDS w/ 2x2 LEDGERS
PROVIDE ANCHOR BOLTS PER NC STATE CODE
USE DOUBLE 2X10 GIRDERS W/ 2X2 LEDGERS
USE 2X8 JOISTS AT 16" O.C., ADD SGL. JOIST
UNDER PARALLEL INTERIOR WALLS AS REQ'D.
PROVIDE 24 X 36 ACCESS OPENING IN FND. WALL.
PROVIDE STEPS TO GRADE (MAX. 8")

DA KLA

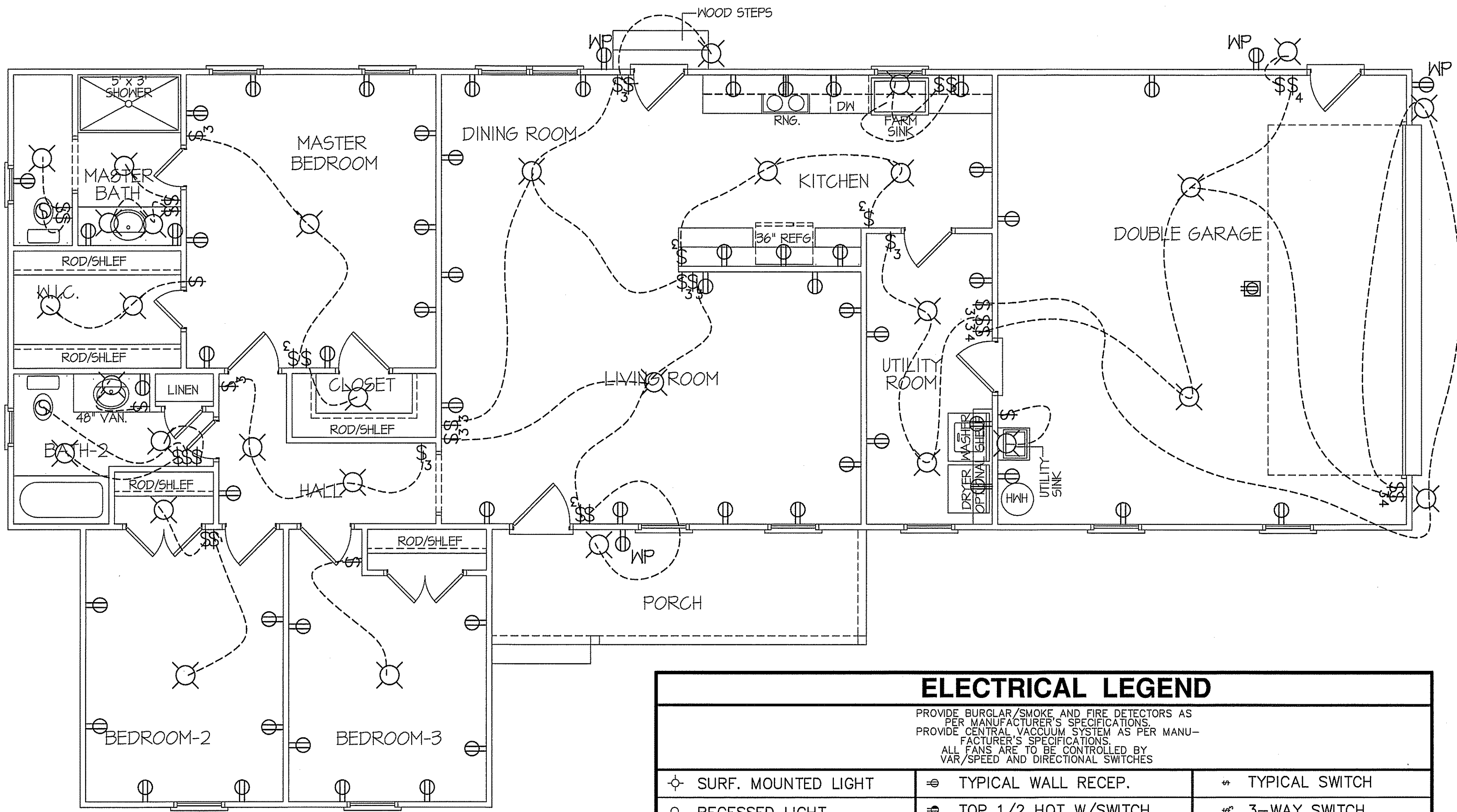
DATE:
OCTOBER 5, 2020

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SHEET NO.
4



SQUARE FOOTAGE
FRAME HEATED AREA = 1558 S.F.
DOUBLE GARAGE AREA = 521 S.F.
FRONT PORCH = 140 S.F.

8' CEILINGS UNLESS OTHERWISE NOTED
ELECTRICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

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

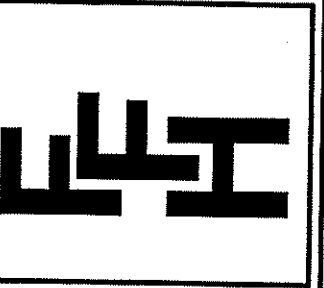
C.F.-JOHNSON-ADAMS PLAN - OCTOBER 5, 2020

DA V/A

DATE:
OCTOBER 5, 2020

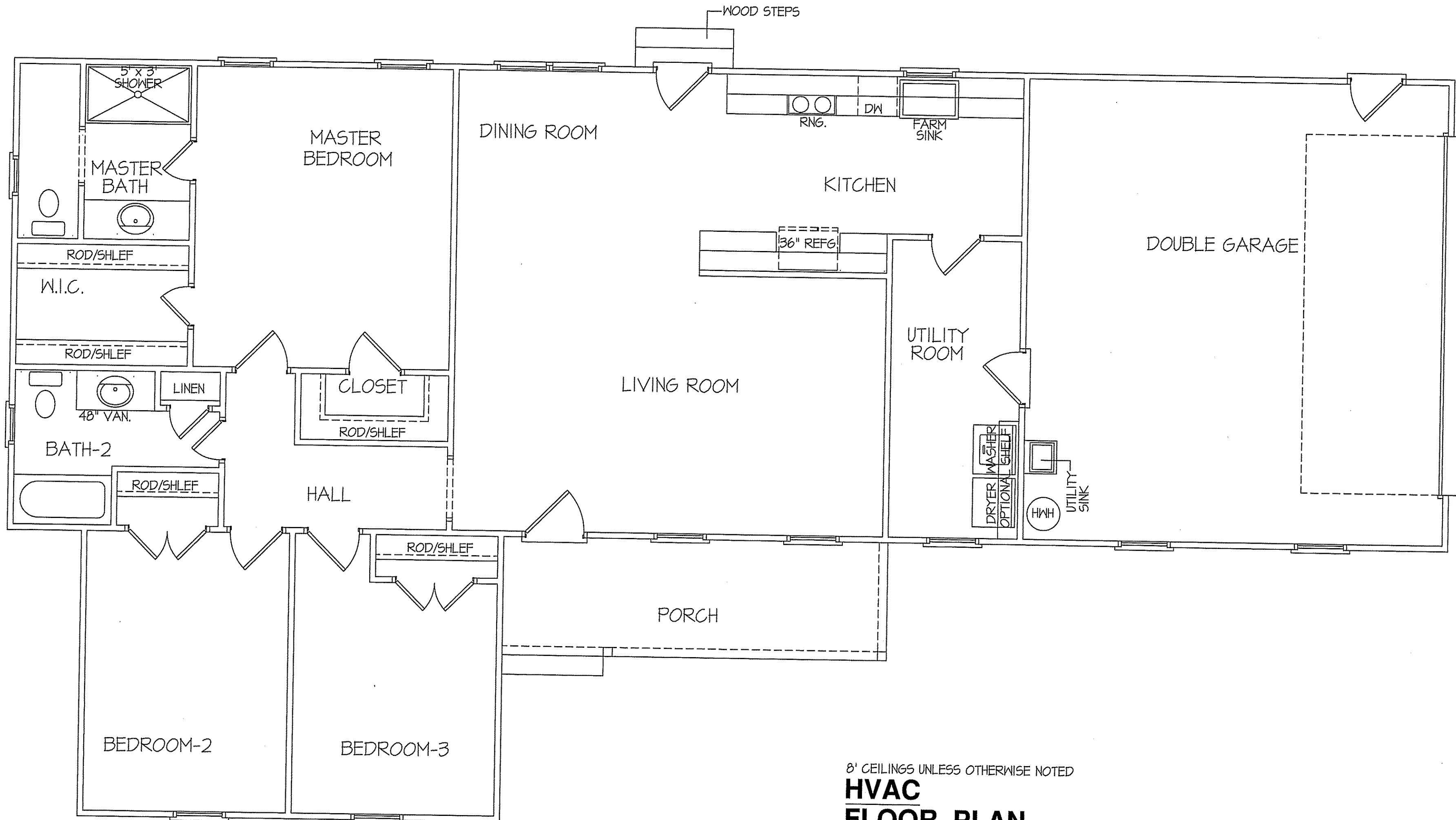
NOTE:
HVAC CONTRACTOR TO VERIFY and PROVIDE OWNERS and
BUILDER UNIT INFORMATION, BTUH REQUIREMENTS, and
DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

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EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
ADAMS~JOHNSON

SHEET NO.
5



TOTAL HEAT GAIN = 25,089 B.T.U.H.
TOTAL HEAT LOSS = 39,651 B.T.U.H.

8' CEILINGS UNLESS OTHERWISE NOTED

**HVAC
FLOOR PLAN**

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

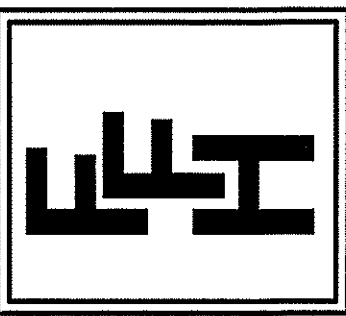
SQUARE FOOTAGE
FRAME HEATED AREA = 1550 S.F.
DOUBLE GARAGE AREA = 521 S.F.
FRONT PORCH = 140 S.F.

C.F.-JOHNSON-ADAMS PLAN - OCTOBER 5, 2020

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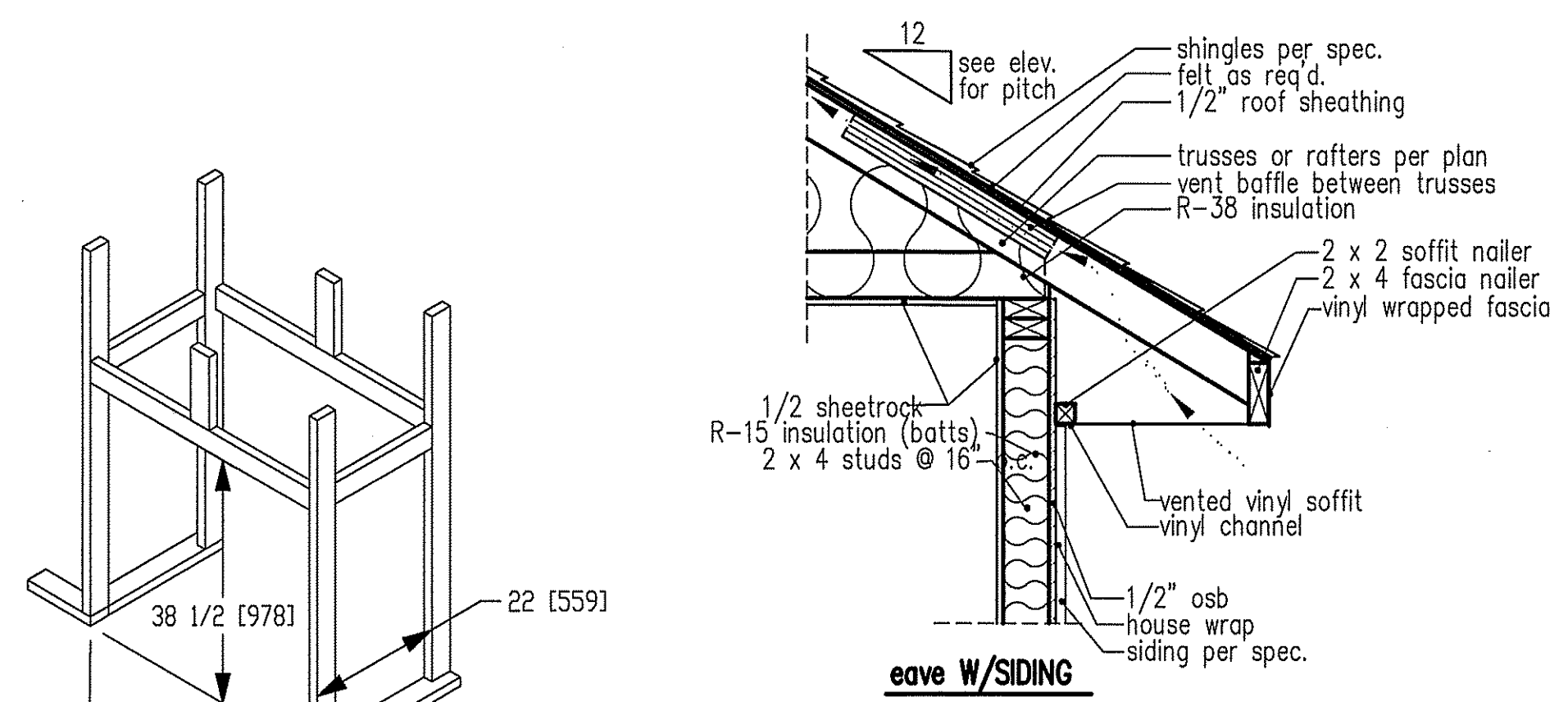
DATE:
OCTOBER 5, 2020

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EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
ADAMS-JOHNSON

PLAN:
SHEET NO.
6



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

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

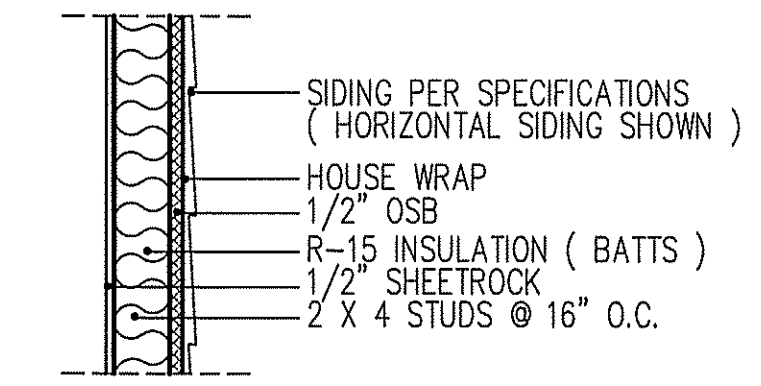
HEADER SPAN (feet)	MAX. STUD SPACING (inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

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).

DIMENSIONS IN [] ARE MM

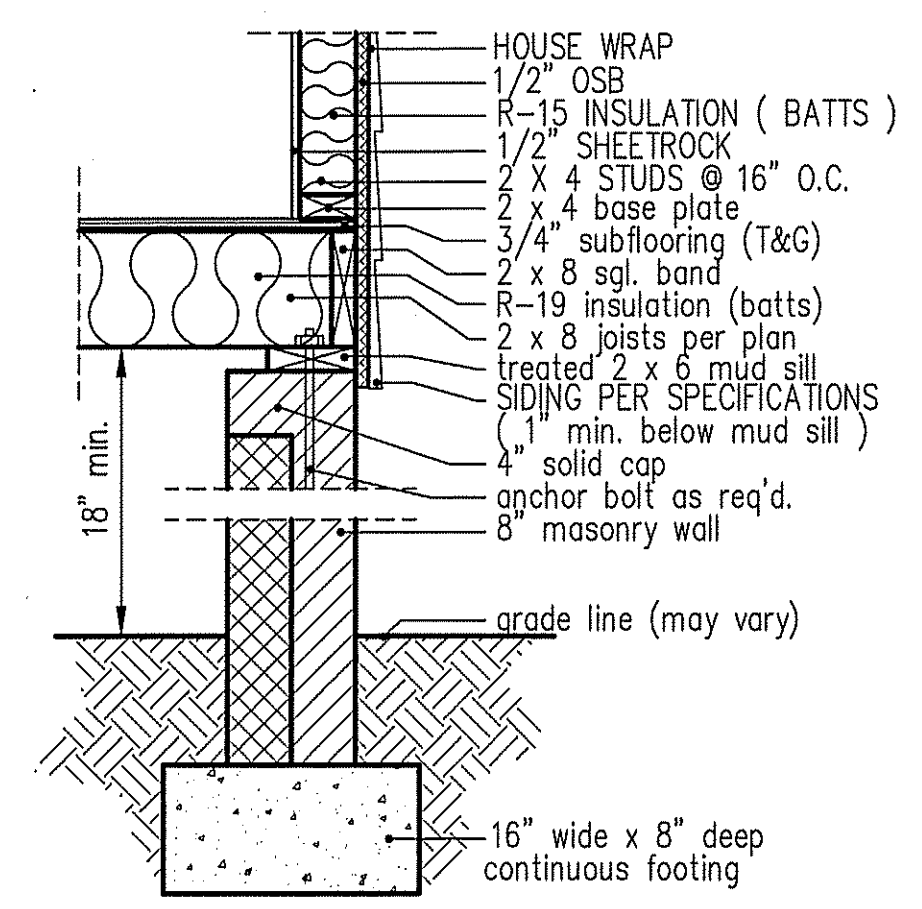
Model 6000-TR	Height		Front Width		Back Width		Depth		Glass Size	BTU Input
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing		
Inches	38	38-1/2	41	42	28-1/2	42	21-1/2	22		

Reference dimensions only. We recommend measuring individual units at installation.

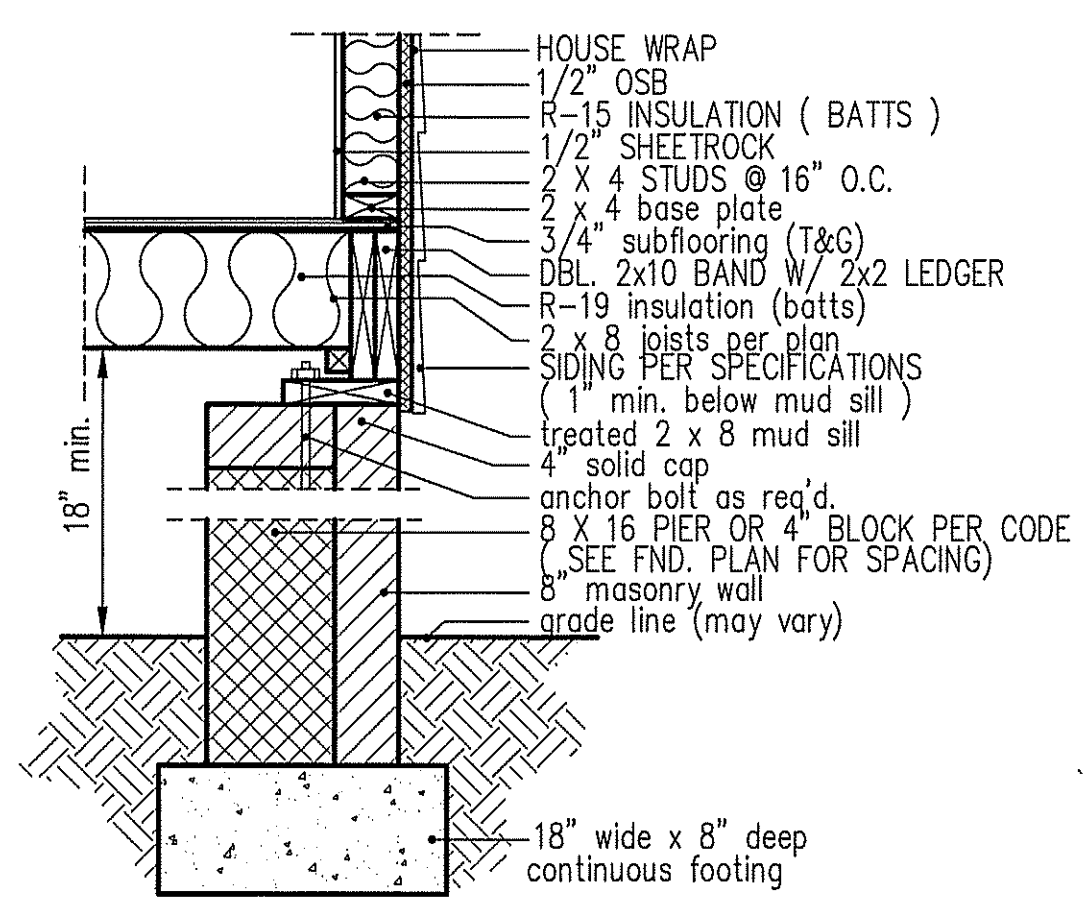


WALL W/siding

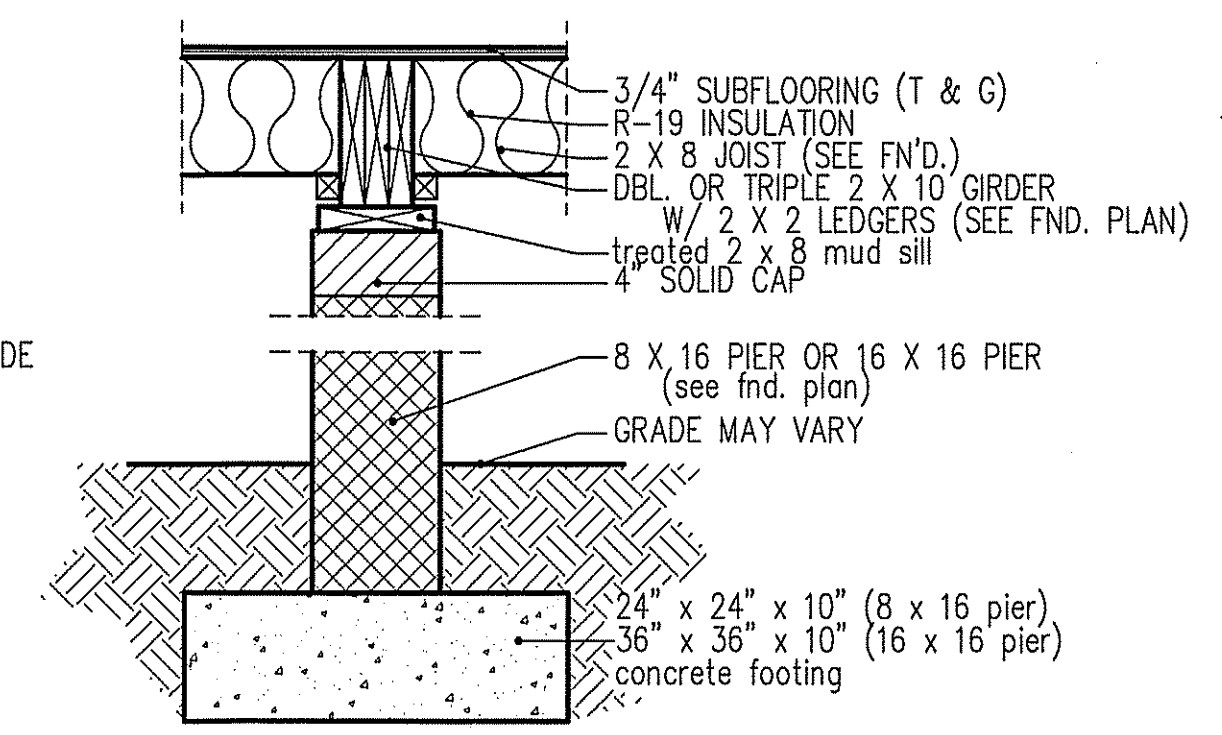
intermediate wall details



8" BOX SILL FOUNDATION WALL



PIER and CURTAIN FOUNDATION WALL



PIER and GIRDER DETAIL

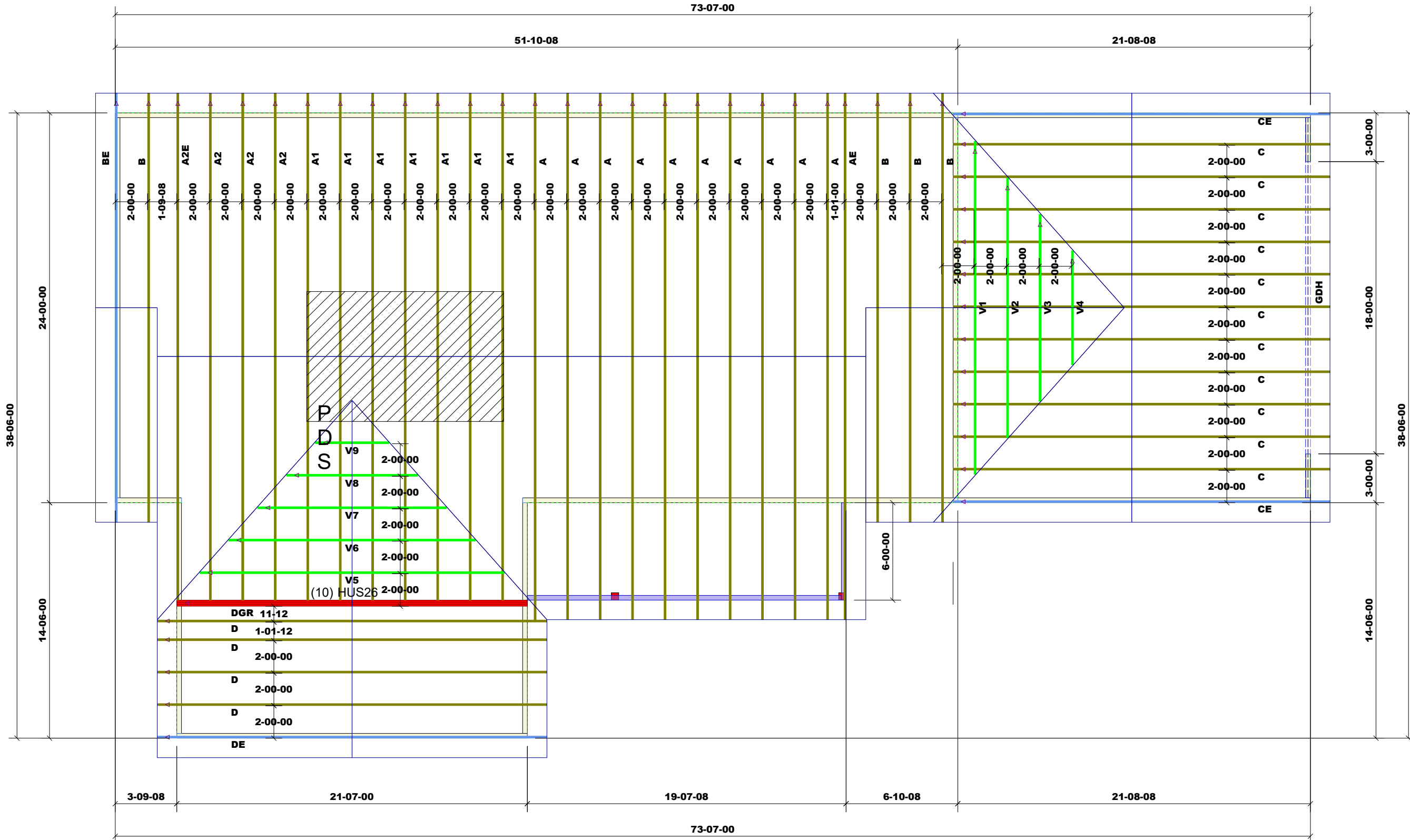
C.F.-JOHNSON-ADAMS PLAN - OCTOBER 5, 2020

OH KFA

THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



DEDICATED TO QUALITY AND EXCELLENCE
200 EMMETT ROAD
DUNN, NORTH CAROLINA 28334
PHONE: 910-892-8400



Roof Area: 3013.89

Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
GDH	24-00-00	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	2	2	MFD

1st Level Roof Area	2nd Level Roof Area
0	0

PROJECT:	ADAMS JOHNSON JOB		
CUSTOMER:	FREEDOM CONSTRUCTION		
MODEL:	Adams Johnson		
QUOTE #:	2001007	PRINT DATE:	11/18/2020
DRAWN BY:	Rodney Evans	SCALE:	N.T.S

TOP LIVE LOAD:	20.0 lb/ft²
TOP DEAD LOAD:	10.0 lb/ft²
BOTTOM DEAD LOAD:	10.0 lb/ft²
WIND SPEED:	130 mph

GENERAL NOTES:
 - DO NOT CUT OR MODIFY TRUSSES
 - TRUSSES ARE SPACED 24" ON CENTER UNLESS OTHERWISE NOTED
 - REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.
 - PER ANS I TP1 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS PLAN RECOMMENDS TRUSS TO BEARING CONNECTIONS AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.