

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

CONTINUOUS RIDGE VENT



FRONT ELEVATION

SCALE: 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.
2651 ATTIC SQ. FT. / 300 = 8.83

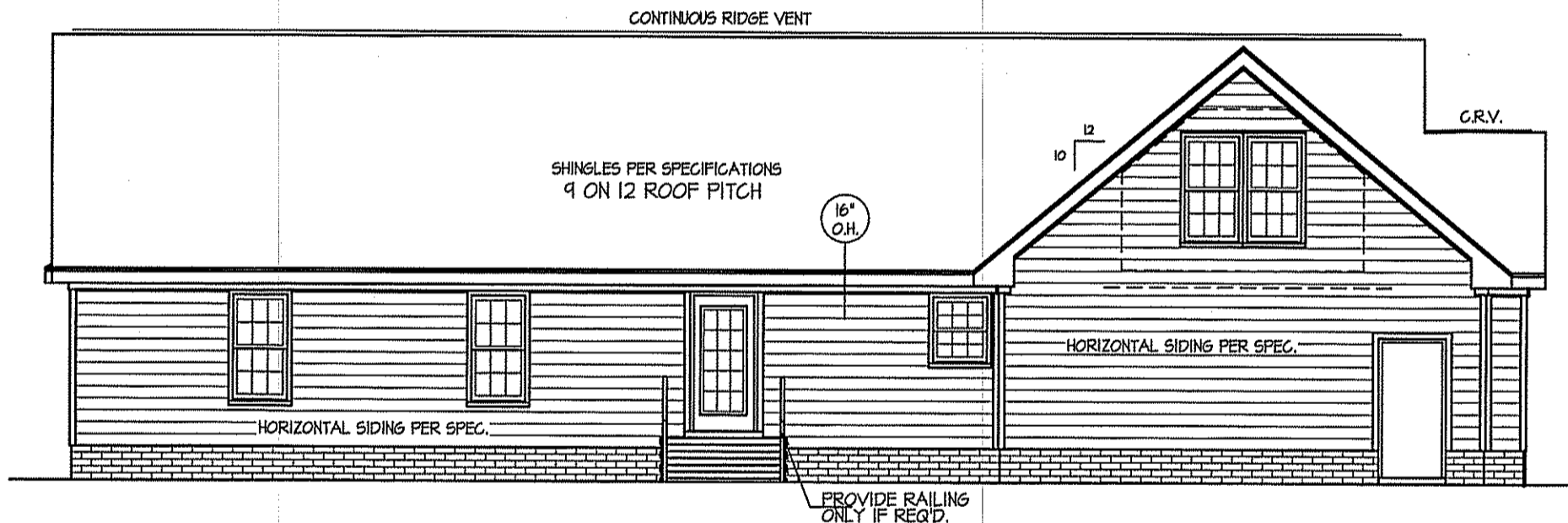
PROVIDED ON PLAN
133 L.F. RIDGE VENT = 24.94
138 L.F. SOFFIT VENT = 8.62
TOTAL = 33.56 S.F. FREE NET AREA

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, 13+2.5	R-15, 13+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

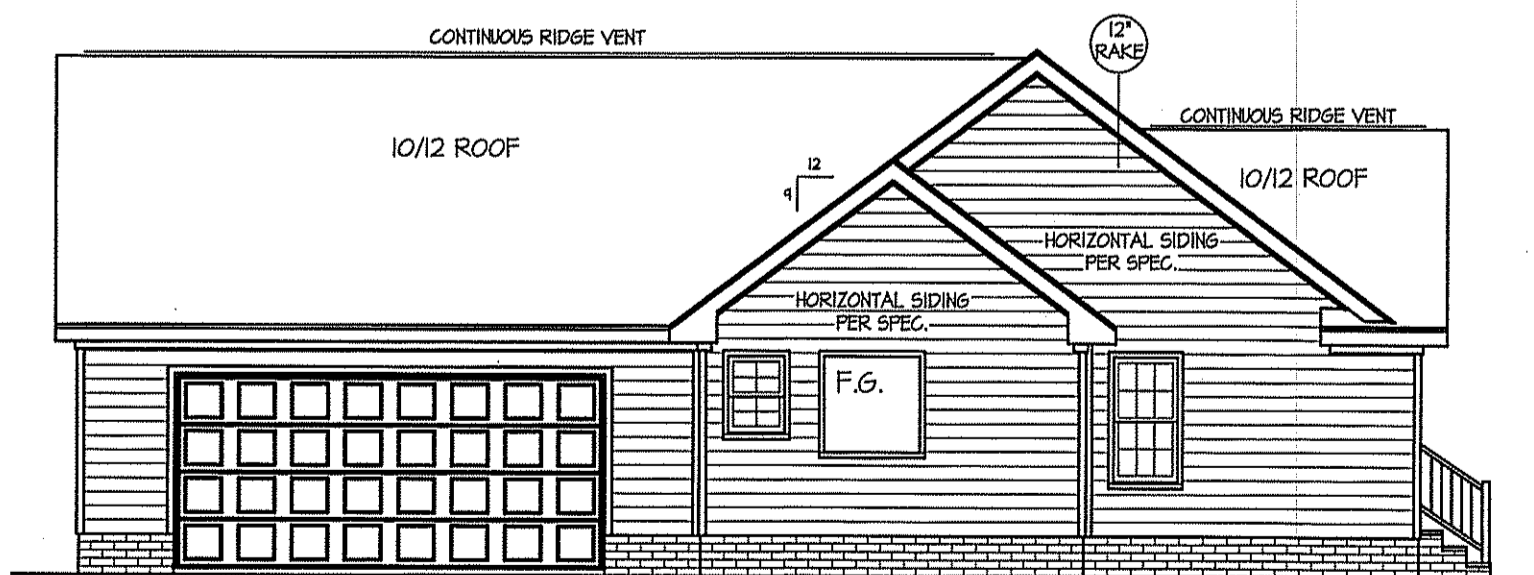
PROVIDE STEPS AS REQUIRED
GRADE MAY VARY - BUILDER TO VERIFY

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



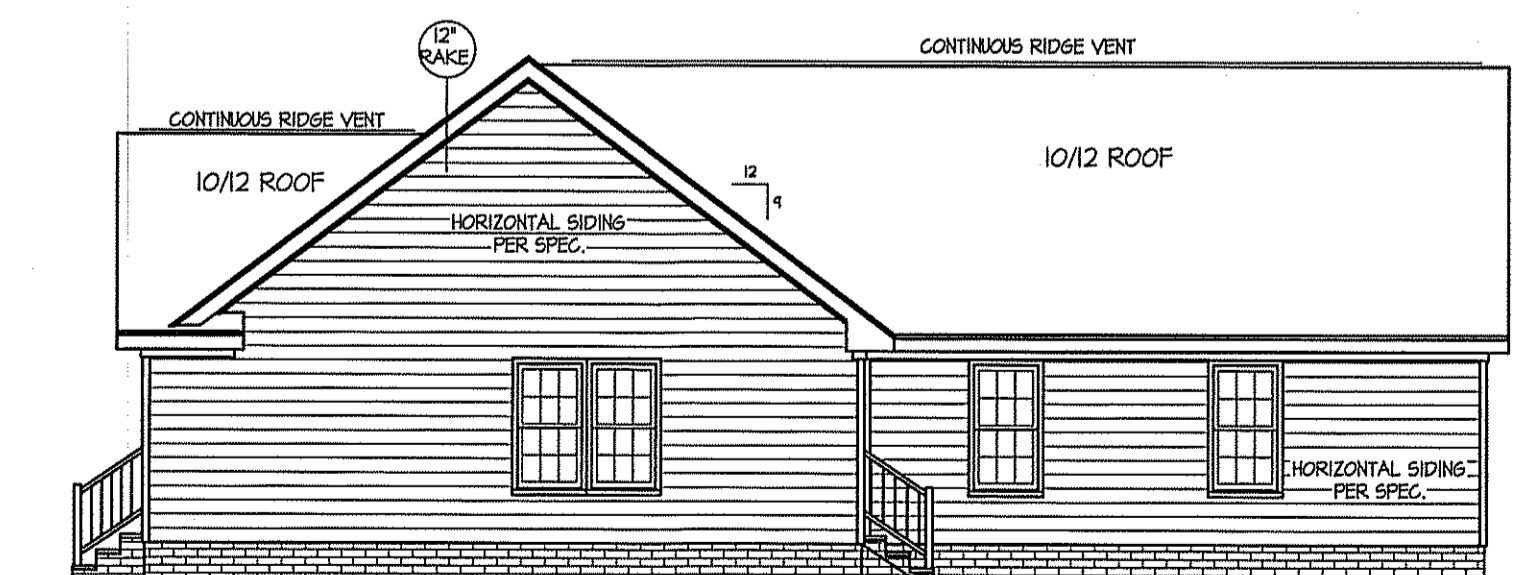
REAR ELEVATION

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



LEFT ELEVATION

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



RIGHT ELEVATION

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

DATE:

DEC. 15, 2021

FREEDOM FAMILY HOMES

P.O. BOX 608
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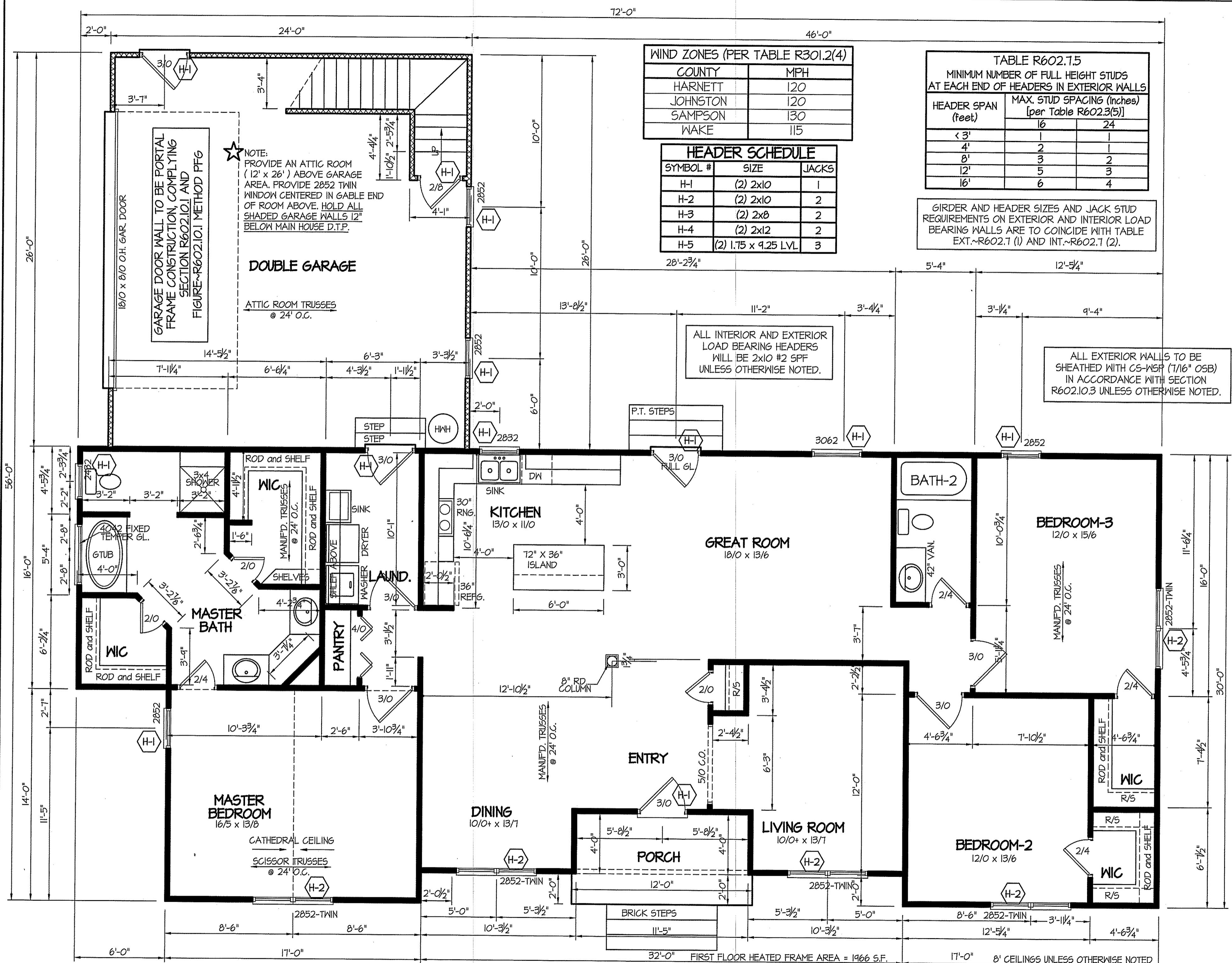


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES

PLANTATION ~ SCHLIEMAN

SHEET NO.

1



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) 2x12	2
H-5	(2) 1.75 x 9.25 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

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 SPF UNLESS OTHERWISE NOTED.

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

GARAGE DOOR WALL TO BE PORTAL FRAME CONSTRUCTION, COMPLYING SECTION R602.10.1 AND FIGURE~R602.10.1 METHOD PFG

NOTE: PROVIDE AN ATTIC ROOM (12' x 26') ABOVE GARAGE AREA. PROVIDE 2852 TWIN WINDOW CENTERED IN GABLE END OF ROOM ABOVE. HOLD ALL SHADED GARAGE WALLS 12" BELOW MAIN HOUSE D.T.P.

DOUBLE GARAGE

ATTIC ROOM TRUSSES @ 24" O.C.

GREAT ROOM 18'0" x 13'6"

KITCHEN 13'0" x 11'0"

MASTER BEDROOM 16'5" x 13'8"

DINING 10'0" x 13'1"

LIVING ROOM 10'0" x 13'1"

BEDROOM-2 12'0" x 13'6"

BEDROOM-3 12'0" x 15'6"

ENTRY

PORCH

BATH-2

MASTER BATH

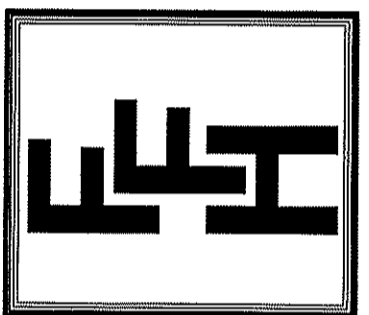
PANTRY

FIRST FLOOR HEATED FRAME AREA = 1966 S.F.
 PORCH AREA = 70 S.F.
 DOUBLE GARAGE AREA = 624 S.F.
 OPTIONAL BONUS ROOM OVER GARAGE = 312 S.F.

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

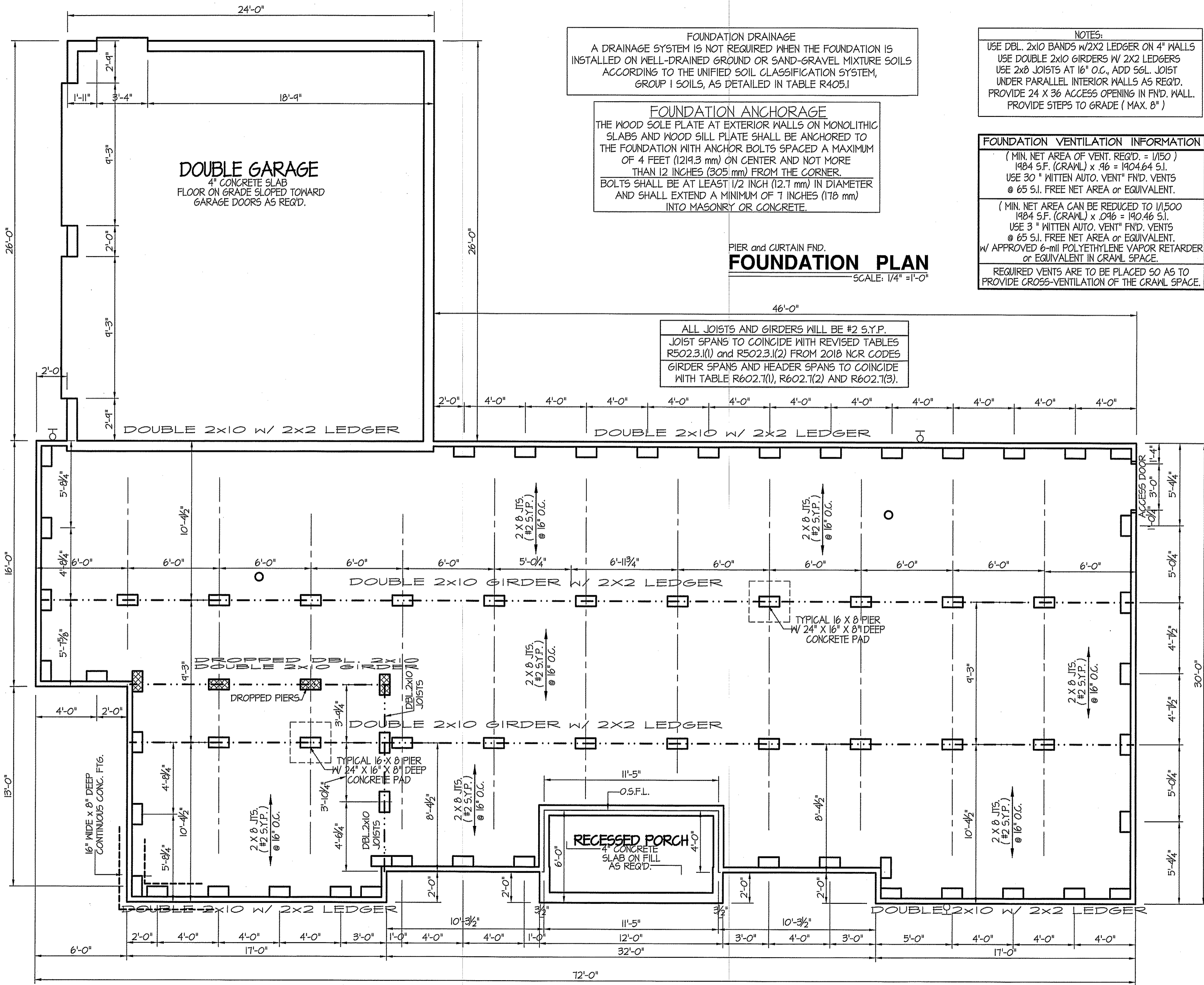
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SHEET NO.
2



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

FOUNDATION ANCHORAGE
 THE WOOD SOLE PLATE AT EXTERIOR WALLS ON MONOLITHIC SLABS AND WOOD SILL PLATE SHALL BE ANCHORED TO THE FOUNDATION WITH ANCHOR BOLTS SPACED A MAXIMUM OF 4 FEET (1219.3 mm) ON CENTER AND NOT MORE THAN 12 INCHES (305 mm) FROM THE CORNER. BOLTS SHALL BE AT LEAST 1/2 INCH (12.7 mm) IN DIAMETER AND SHALL EXTEND A MINIMUM OF 7 INCHES (178 mm) INTO MASONRY OR CONCRETE.

NOTES:
 USE DBL. 2X10 BANDS W/2X2 LEDGER ON 4" WALLS
 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")

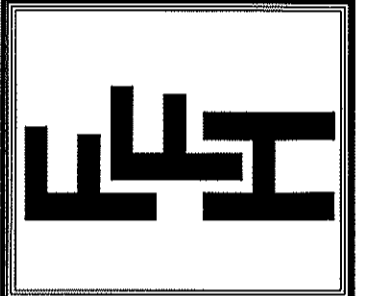
FOUNDATION VENTILATION INFORMATION
 (MIN. NET AREA OF VENT. REQ'D. = 1/150)
 1984 S.F. (CRAWL) x .96 = 1904.64 S.I.
 USE 30" WITTEN AUTO. VENT" FND. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT.
 (MIN. NET AREA CAN BE REDUCED TO 1/1500)
 1984 S.F. (CRAWL) x .096 = 190.46 S.I.
 USE 3" WITTEN AUTO. VENT" 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 FND.
FOUNDATION PLAN
 SCALE: 1/4" = 1'-0"

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).

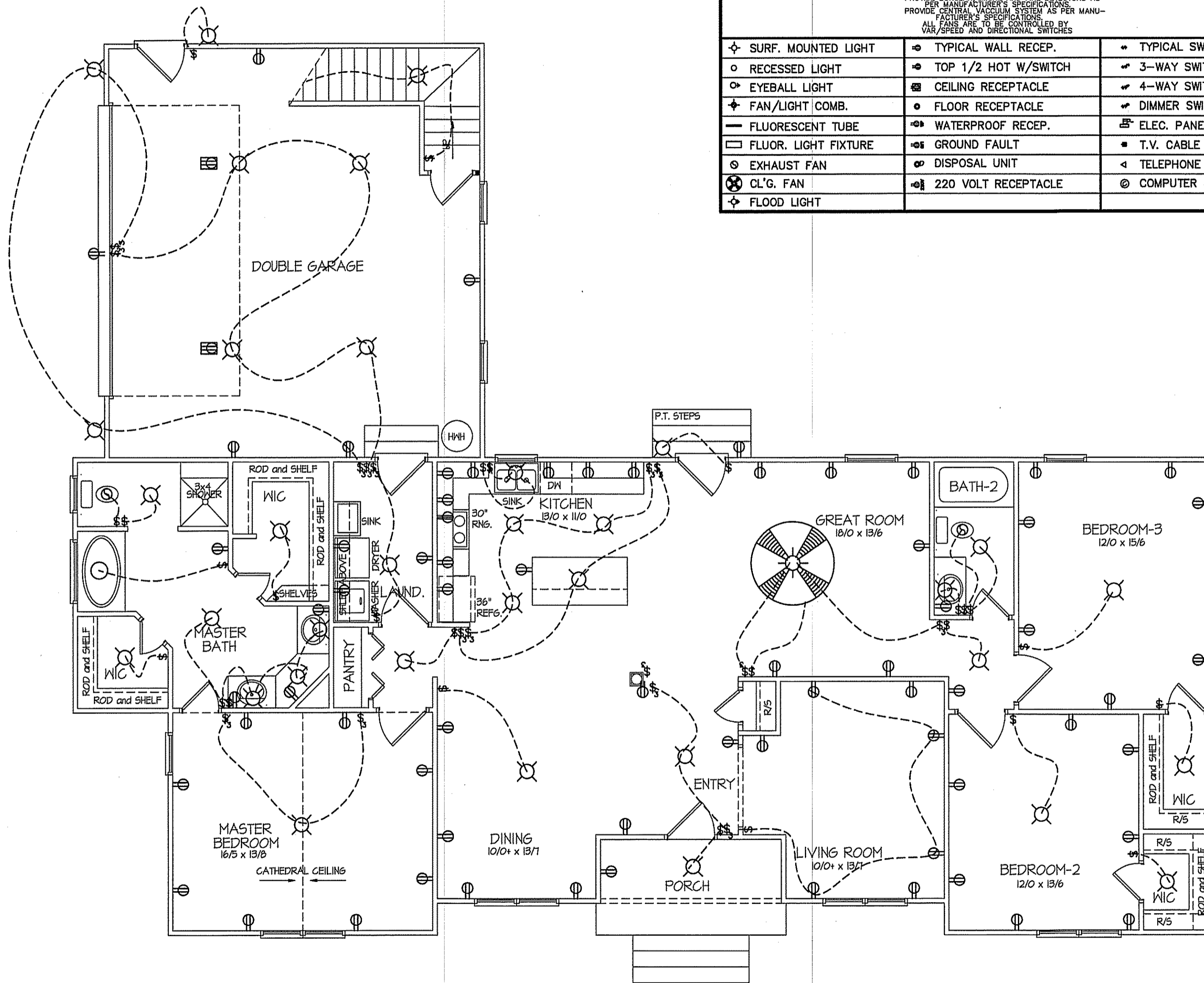
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PLANTATION~SCHLIEMAN

SHEET NO.
3



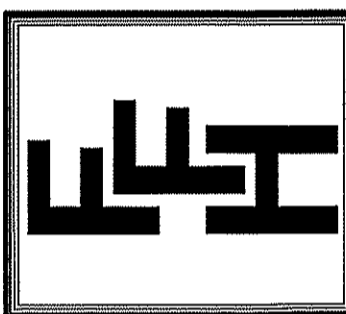
ELECTRICAL LEGEND		
<small>PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS. PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS. ALL FANS ARE TO BE CONTROLLED BY VAR/SPEED AND DIRECTIONAL SWITCHES</small>		
⊕ SURF. MOUNTED LIGHT	⊕ TYPICAL WALL RECEPT.	⊕ TYPICAL 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 RECEPT.	⊕ ELEC. PANEL BOX
⊕ FLUOR. LIGHT FIXTURE	⊕ GROUND FAULT	⊕ T.V. CABLE RECEPT.
⊕ EXHAUST FAN	⊕ DISPOSAL UNIT	⊕ TELEPHONE JACK
⊕ CL'G. FAN	⊕ 220 VOLT RECEPTACLE	⊕ COMPUTER JACK
⊕ FLOOD LIGHT		

8' CLG. UNLESS OTHERWISE NOTE
ELECTRICAL FLOOR PLAN
 SCALE: 3/16" = 1'-0"

FIRST FLOOR HEATED FRAME AREA = 1466 S.F.
 PORCH PORCH AREA = 70 S.F.
 DOUBLE GARAGE AREA = 624 S.F.
 OPTIONAL BONUS ROOM OVER GARAGE = 312 S.F.

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PLAN:
**EXCLUSIVE PLAN FOR
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PLANTATION~SCHLIEFMAN

SHEET NO.
4

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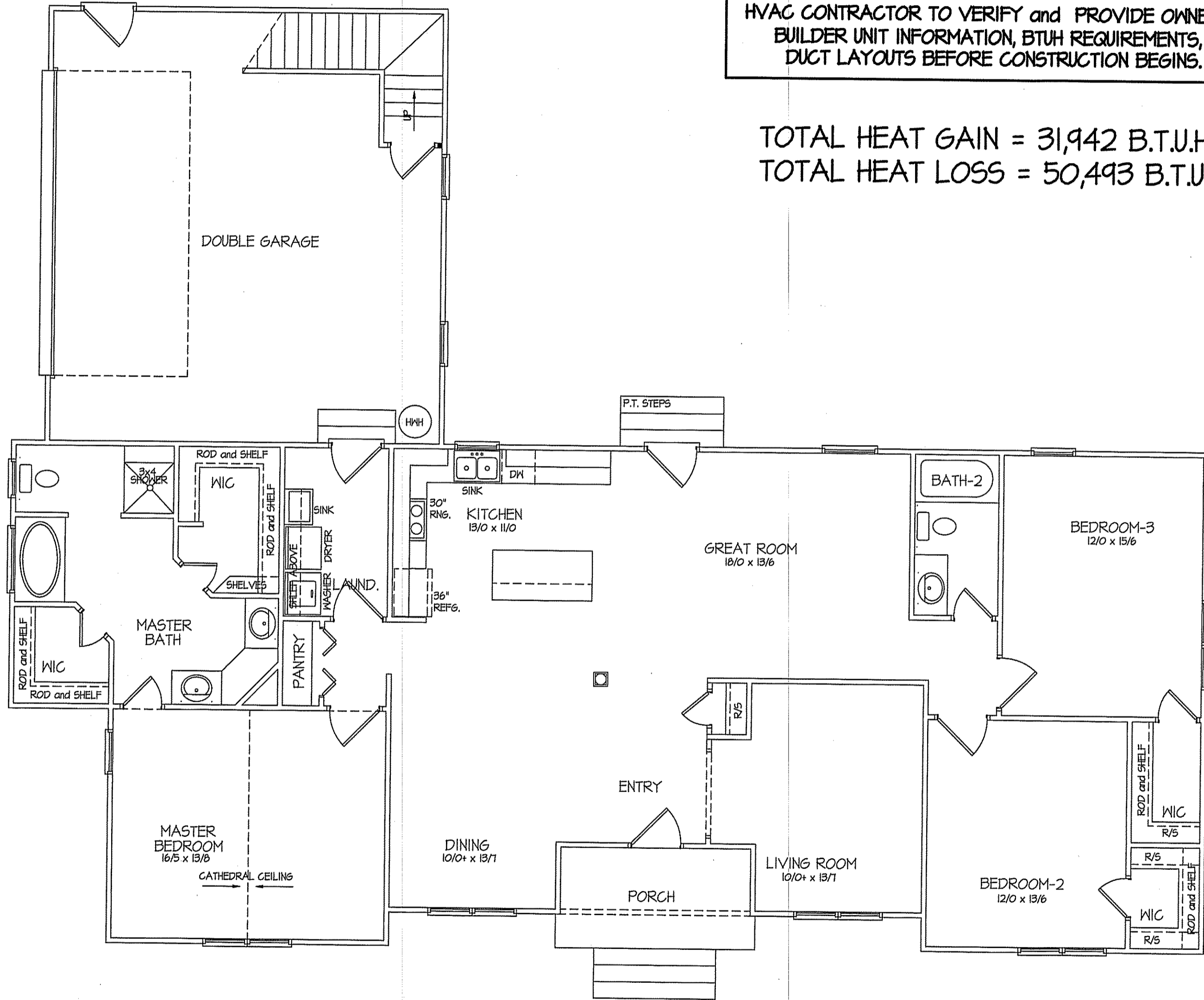


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
PLANTATION~SCHLIEMAN

SHEET NO.
5

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

TOTAL HEAT GAIN = 31,942 B.T.U.H.
TOTAL HEAT LOSS = 50,493 B.T.U.H.



8' CLG. UNLESS OTHERWISE NOTE
**HVAC
FLOOR PLAN**
SCALE: 3/16" = 1'-0"

FIRST FLOOR HEATED FRAME AREA = 1966 S.F.
PORCH PORCH AREA = 70 S.F.
DOUBLE GARAGE AREA = 624 S.F.
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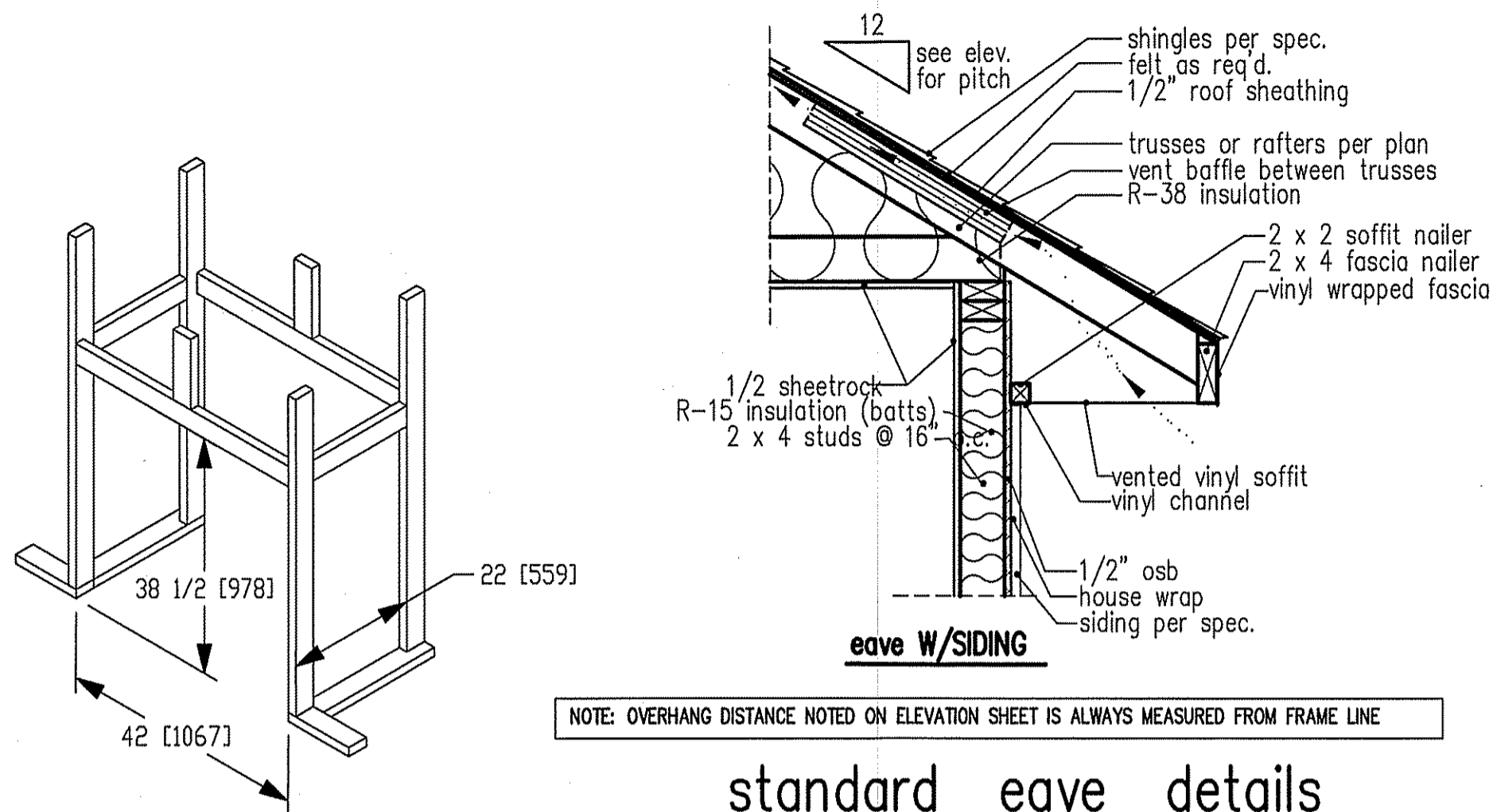


**EXCLUSIVE PLAN FOR
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PLANTATION~SCHLIEMAN

PLAN:

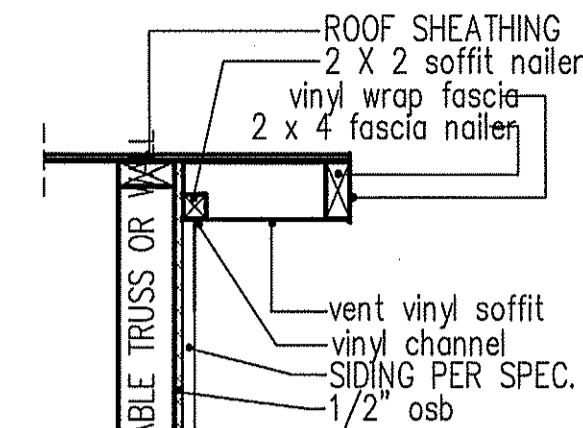
SHEET NO.

6



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

standard eave details



RAKE w/SIDING

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
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16'	6	4

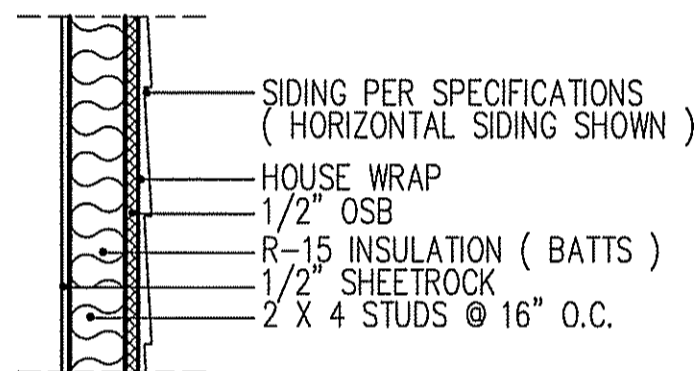
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.7 (1) AND INT.~R602.7 (2).

DIMENSIONS IN [] ARE MM

SPECIFICATIONS

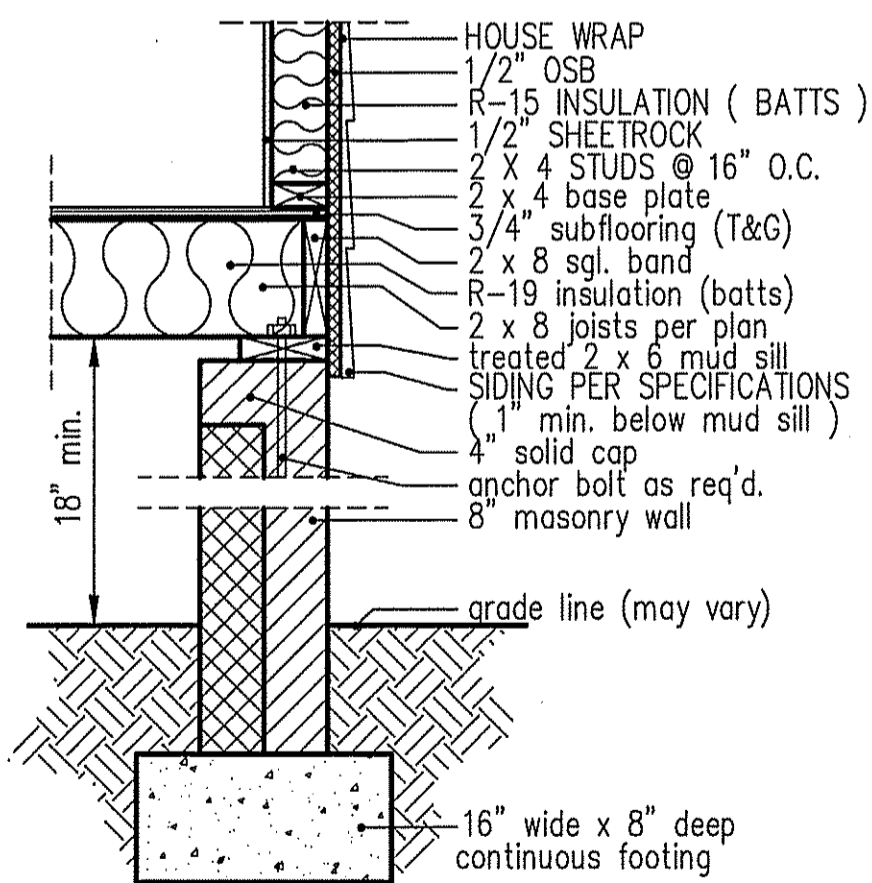
Model 6000-TR	Height		Front Width		Back Width		Depth		Glass Size	BTU Input
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing		
Inches	38	38-1/2	41	42	28-1/2	42	21-1/2	22		

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

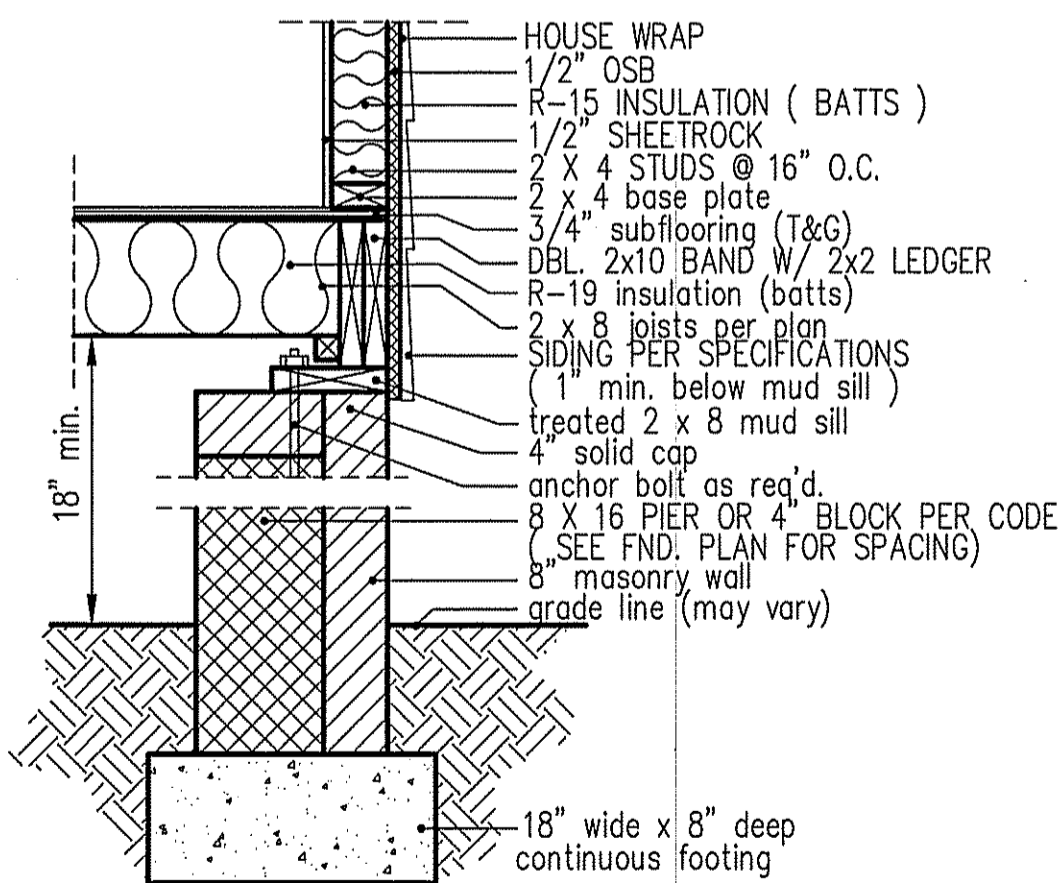


WALL W/siding

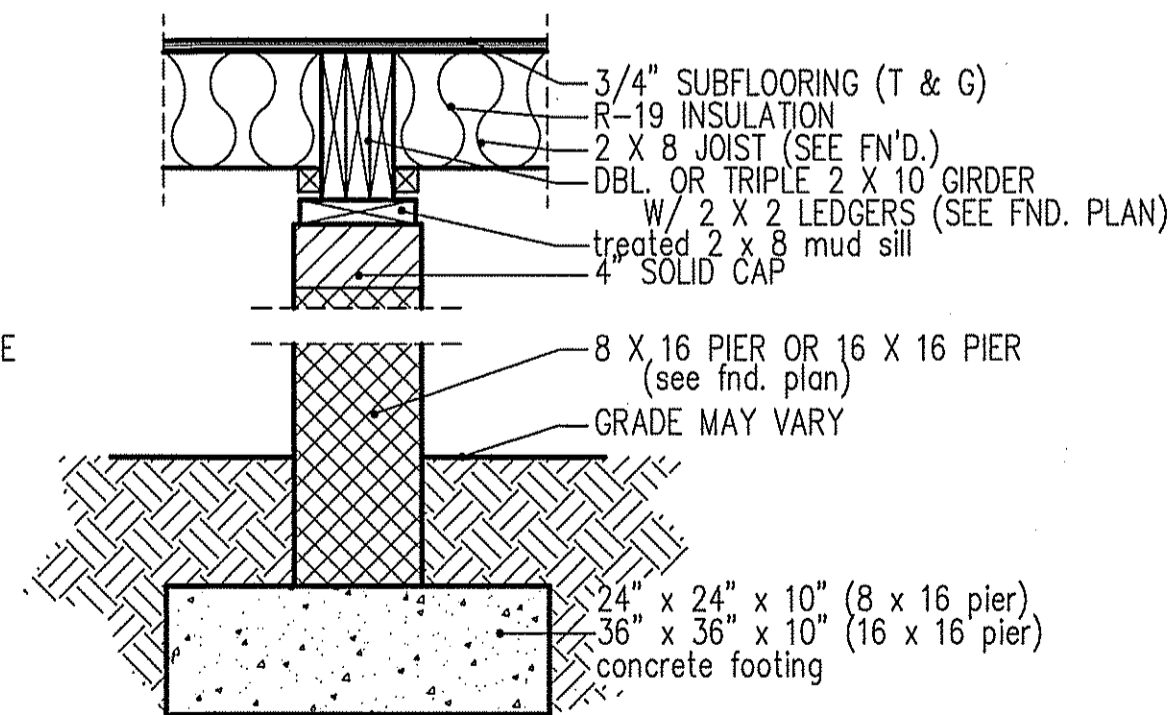
intermediate wall details



**8" BOX SILL
FOUNDATION WALL**



**PIER and CURTAIN
FOUNDATION WALL**



**PIER and GIRDER
DETAIL**