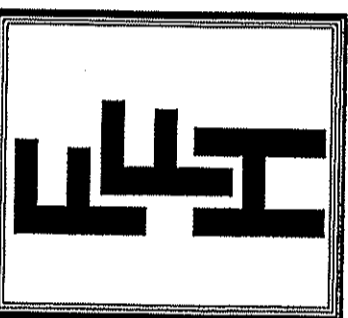


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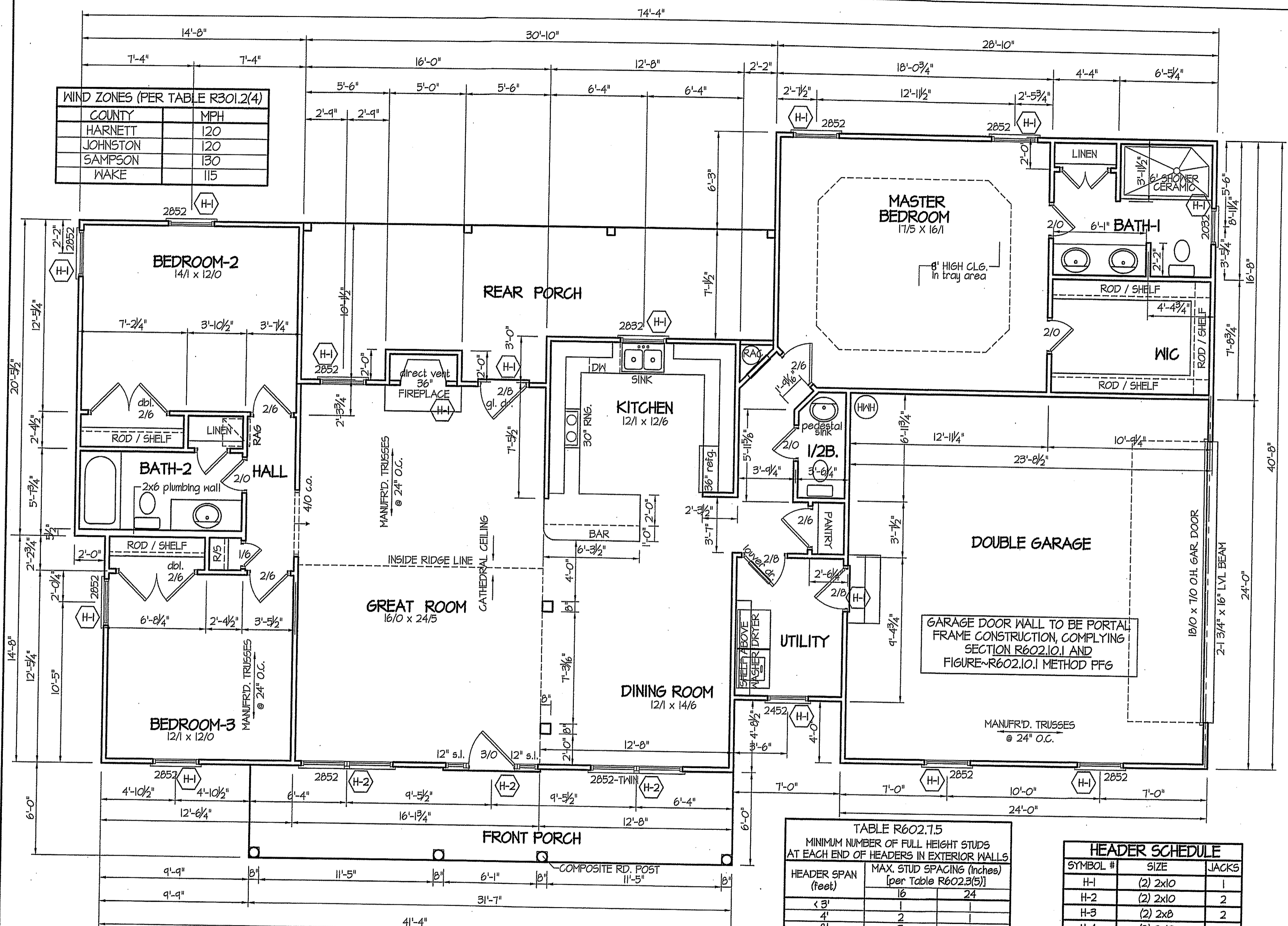


EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
Campbell-Benson

SHEET NO.
2

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

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115



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.

ALL INTERIOR AND EXTERIOR LOAD BEARING HEADERS WILL BE 2X10 #2 SPF UNLESS OTHERWISE NOTED.

TYP. 8' CEILINGS
FLOOR PLAN
SCALE: 1/4" = 1'-0"
1085 S.F. (HEATED-FRAME)
120 S.F. (FRONT PORCH)
250 S.F. (REAR PORCH)

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)]	
< 3'	16	24
4'	1	1
8'	2	2
12'	3	3
16'	5	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).

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

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

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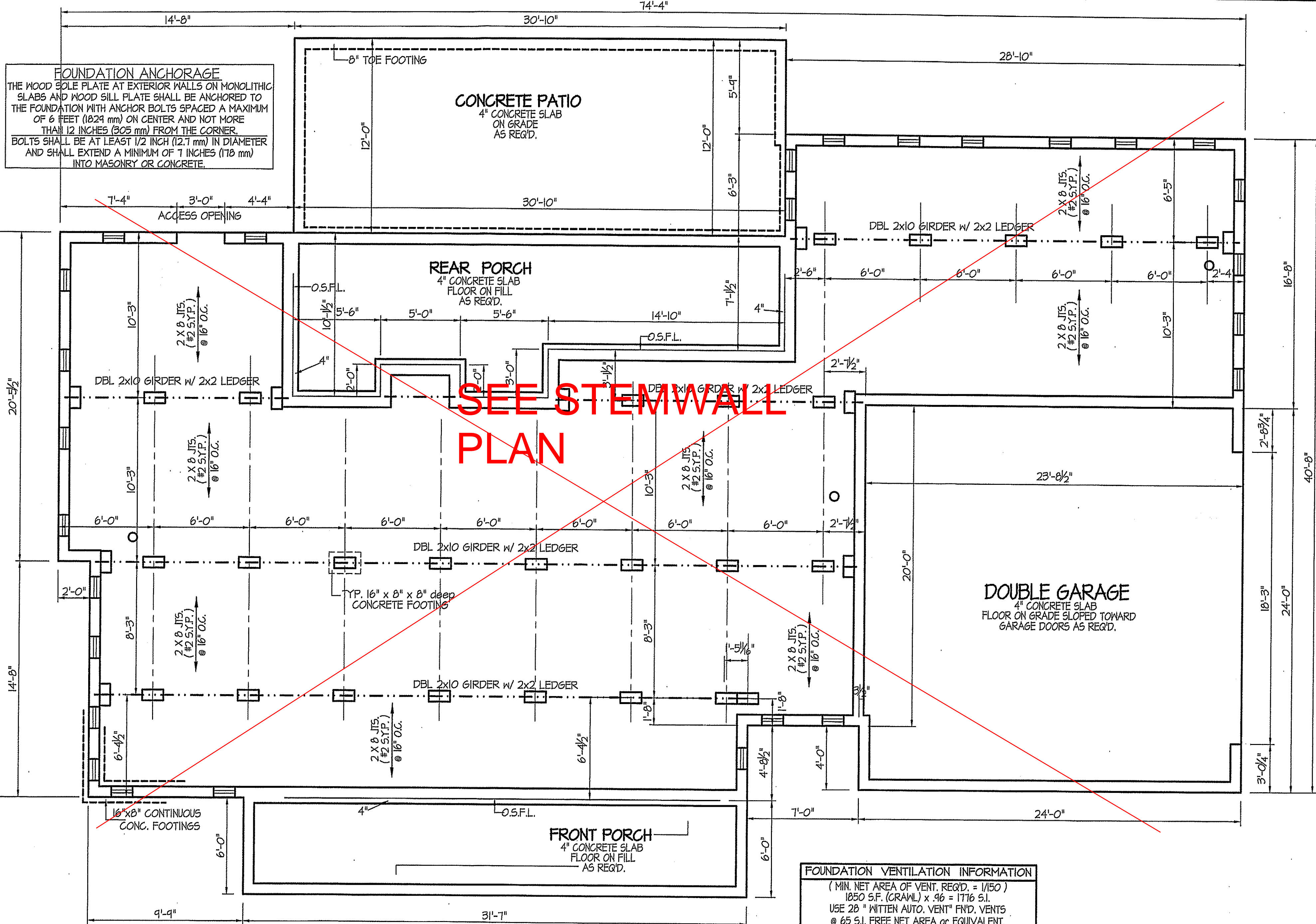
EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES

Campbell-Benson

PLAN:

SHEET NO.

3



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 6 FEET (1829 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.

SEE STEMWALL PLAN

NOTES:
 USE 2 X 8 MUD SILL W/ DBL. 2X10 BANDS ON 8" WALLS
 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")

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 VENTILATION INFORMATION
 (MIN. NET AREA OF VENT. REQ'D. = 1/150)
 1850 S.F. (CRAWL) x .96 = 1776 S.I.
 USE 28" WITTEN AUTO. VENT" FND. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT.
 (MIN. NET AREA CAN BE REDUCED TO 1/1500)
 1850 S.F. (CRAWL) x .096 = 177.6 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.

BOX SILL
FOUNDATION PLAN
 SCALE: 1/4" = 1'-0"

TSB TB

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JULY 13, 2020

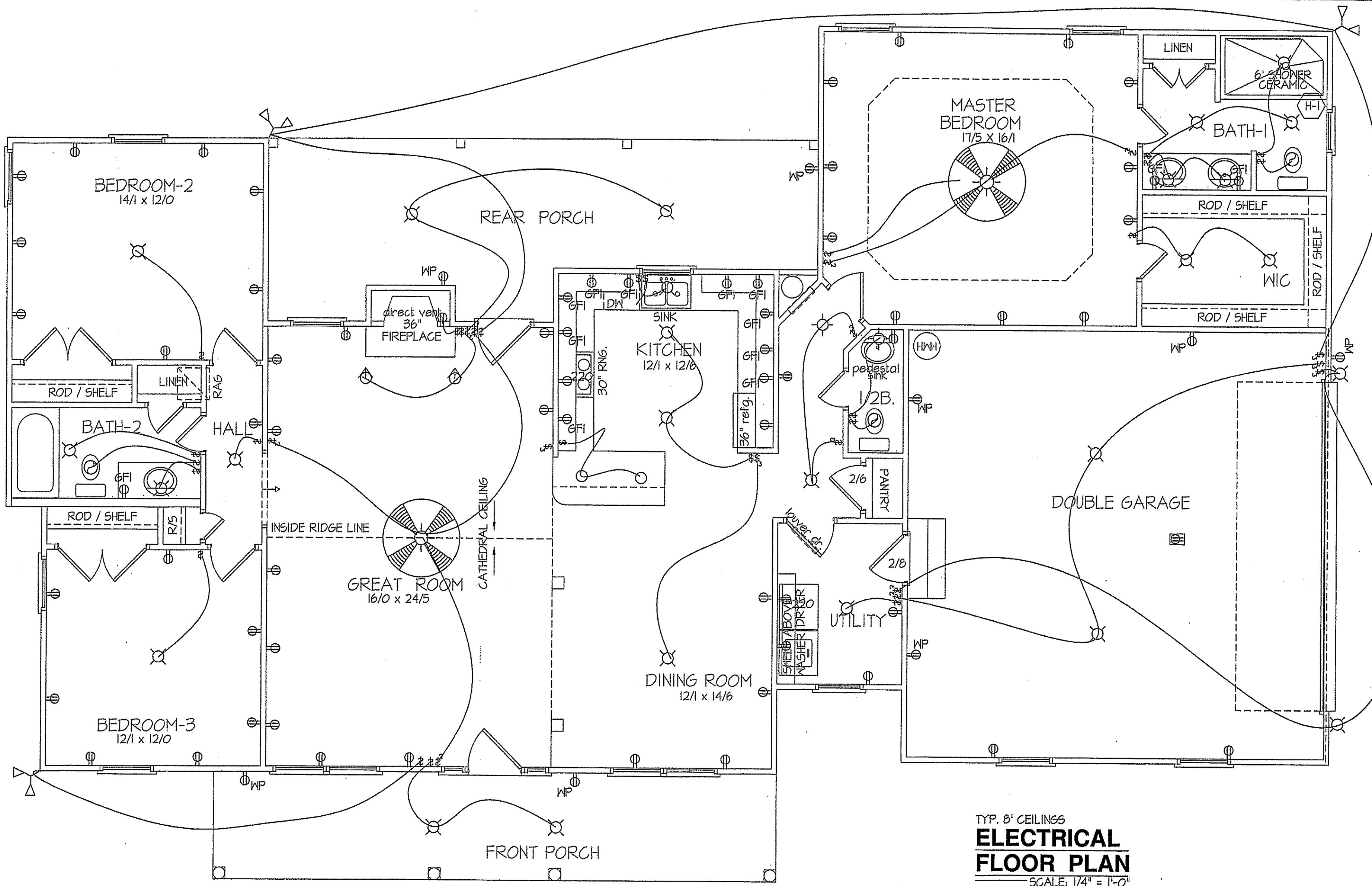
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**EXCLUSIVE PLAN FOR
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Campbell-Benson**

PLAN:

SHEET NO.
4



TYP. 8' CEILINGS
**ELECTRICAL
FLOOR PLAN**
SCALE: 1/4" = 1'-0"

TOTAL HEAT GAIN = 30,160 B.T.U.H.
TOTAL HEAT LOSS = 47,125 B.T.U.H.

1885 S.F. (HEATED-FRAME)
120 S.F. (FRONT PORCH)
258 S.F. (REAR PORCH)

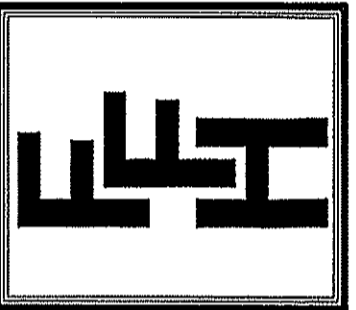
NOTE:
HVAC CONTRACTOR TO PROVIDE OWNERS AND BUILDERS
UNIT INFORMATION, BTUH REQUIREMENTS, AND
DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

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		

TSB

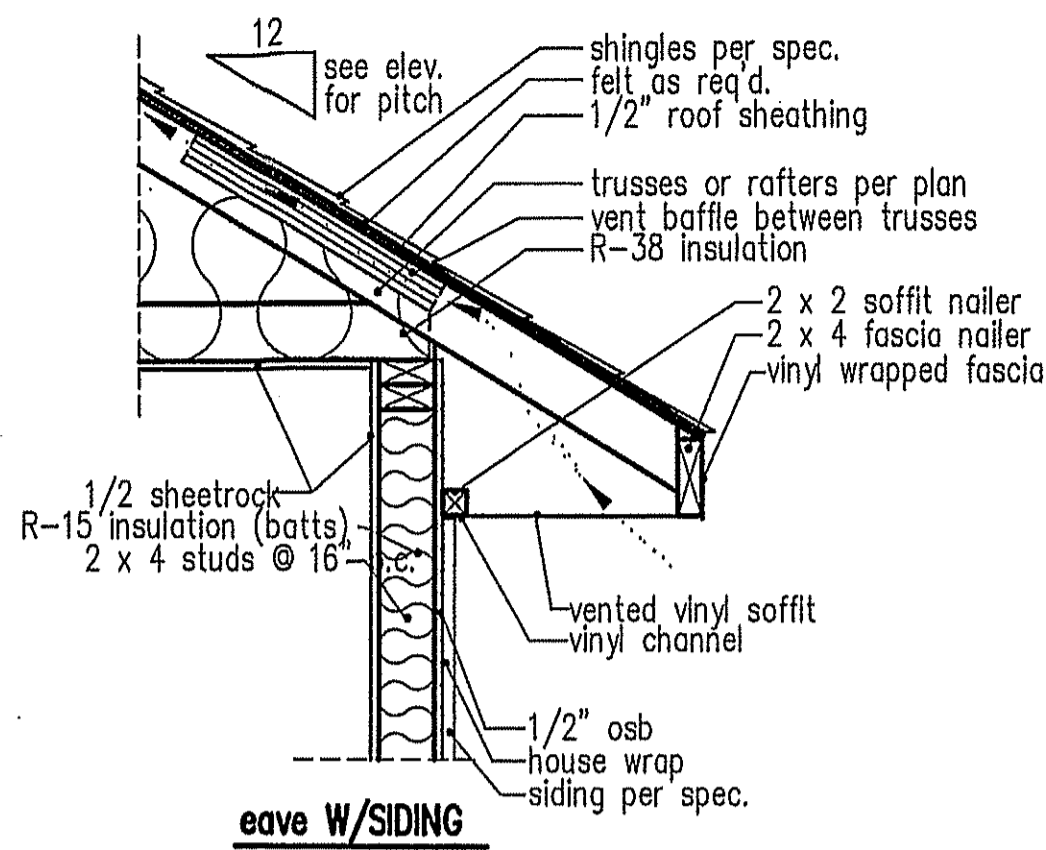
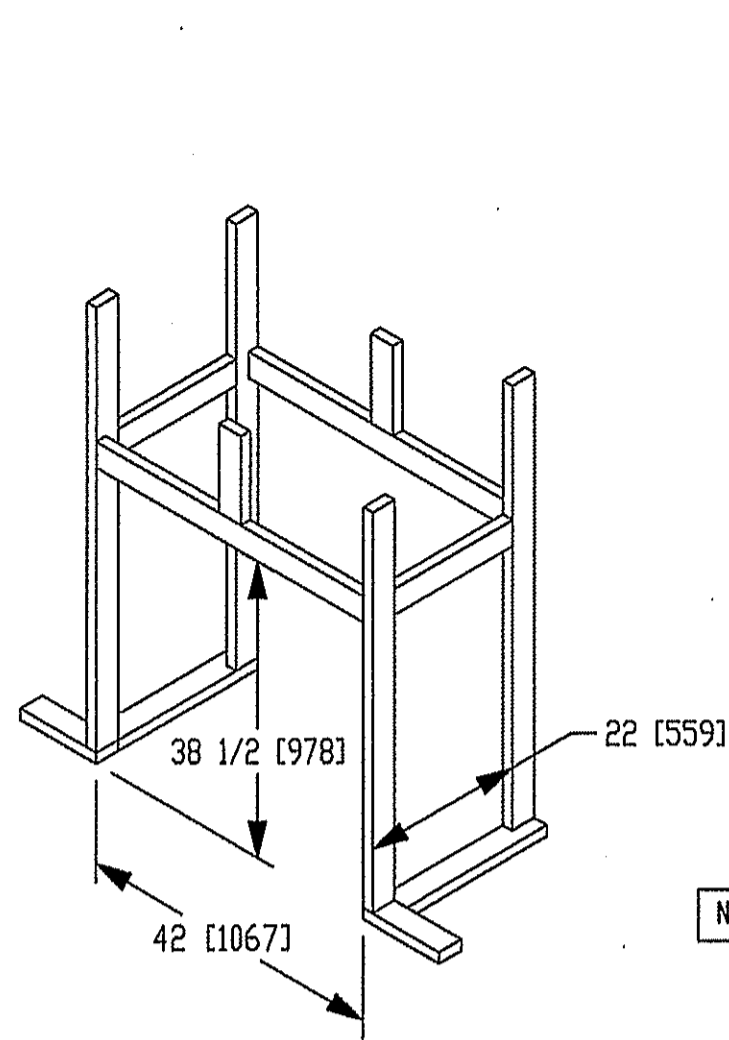
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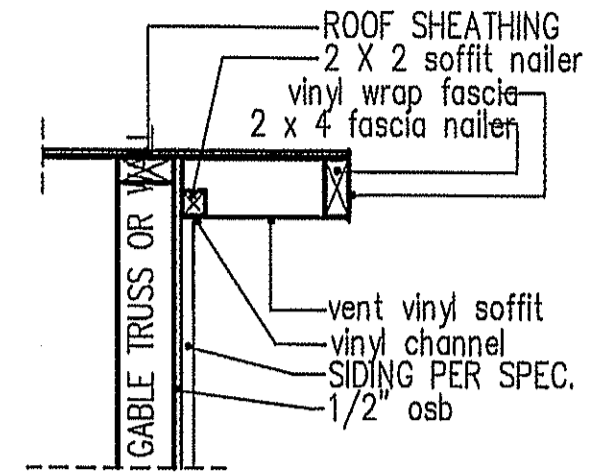
EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
Campbell-Benson

PLAN:
SHEET NO.
5



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

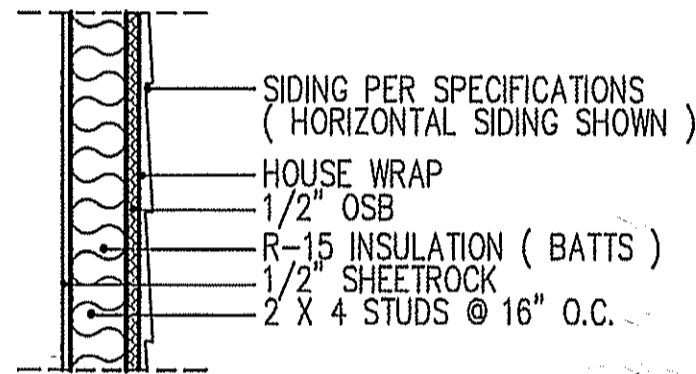
GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.7 (1) AND INT.~R602.7 (2).

DIMENSIONS IN () ARE MM

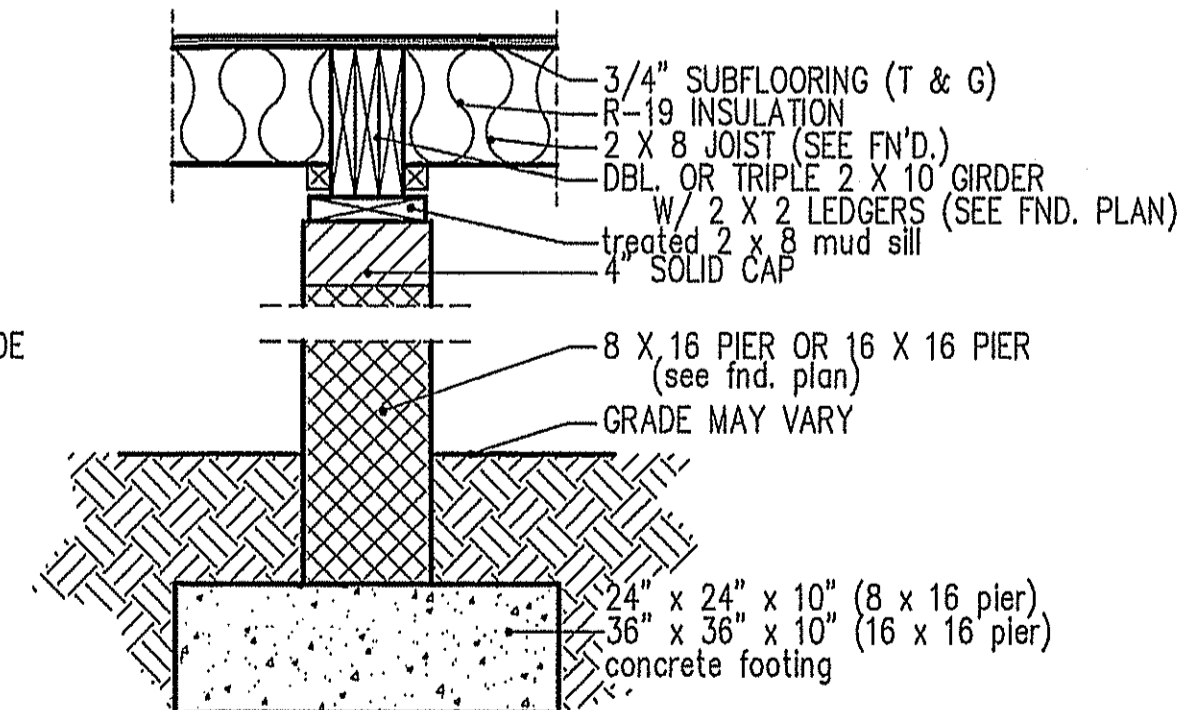
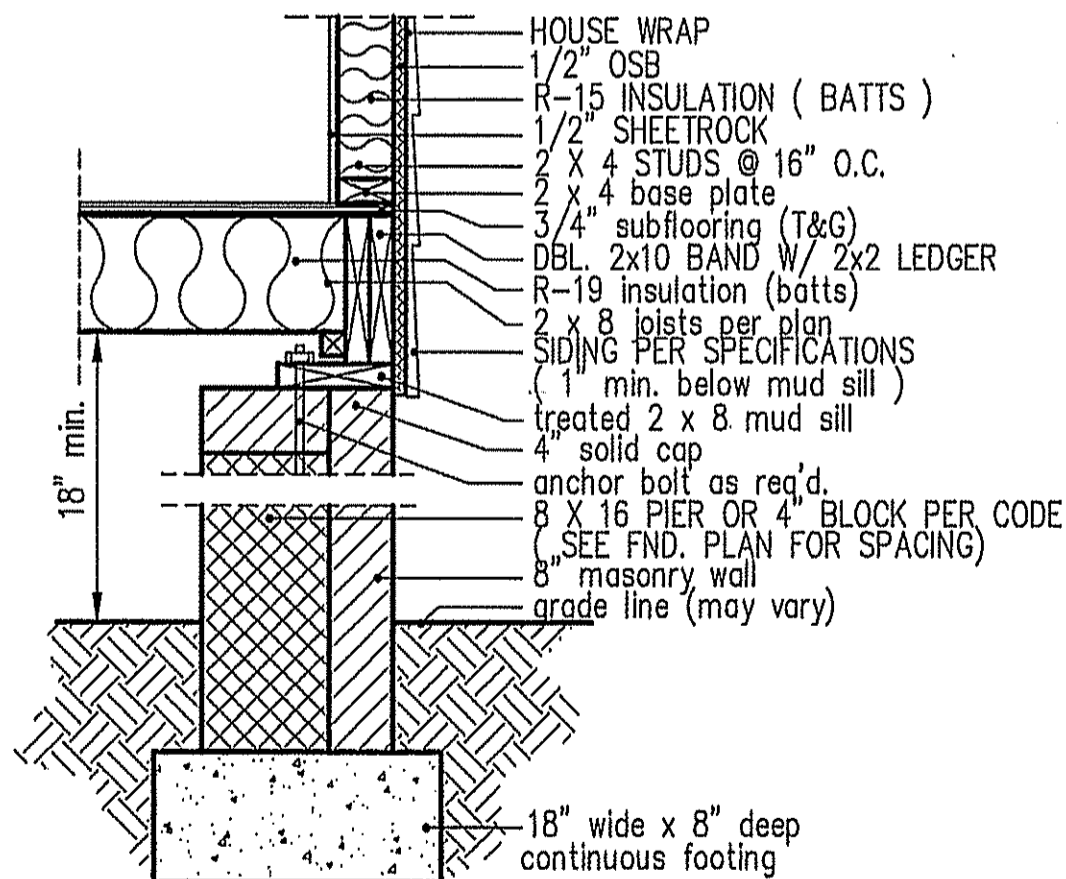
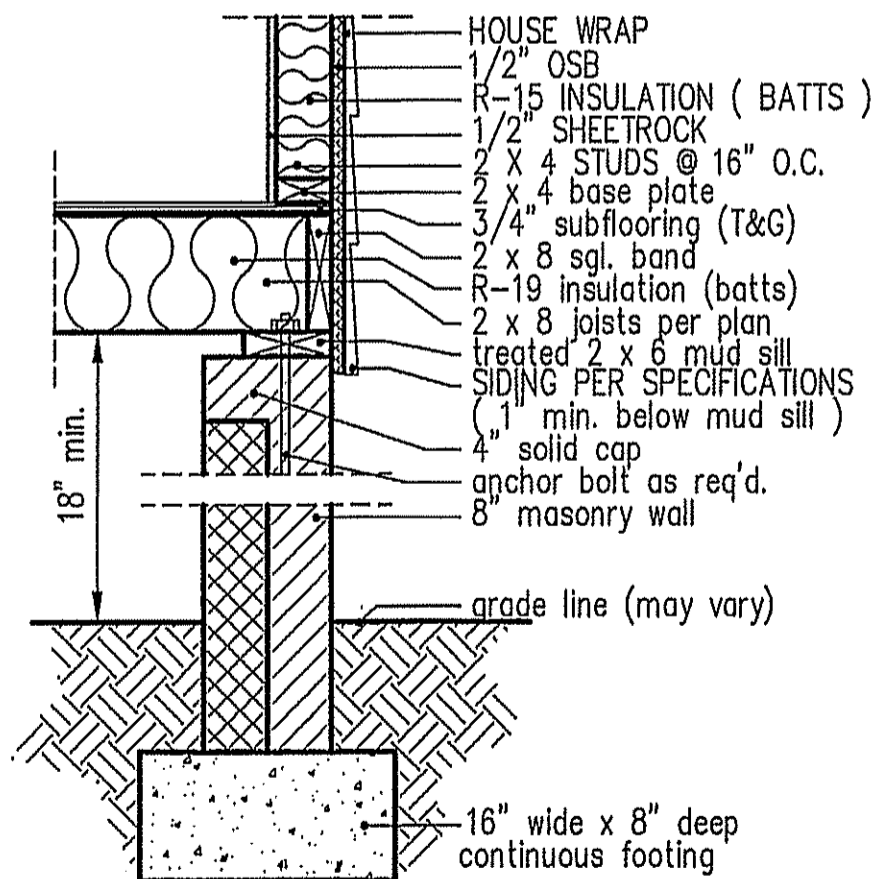
SPECIFICATIONS

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		

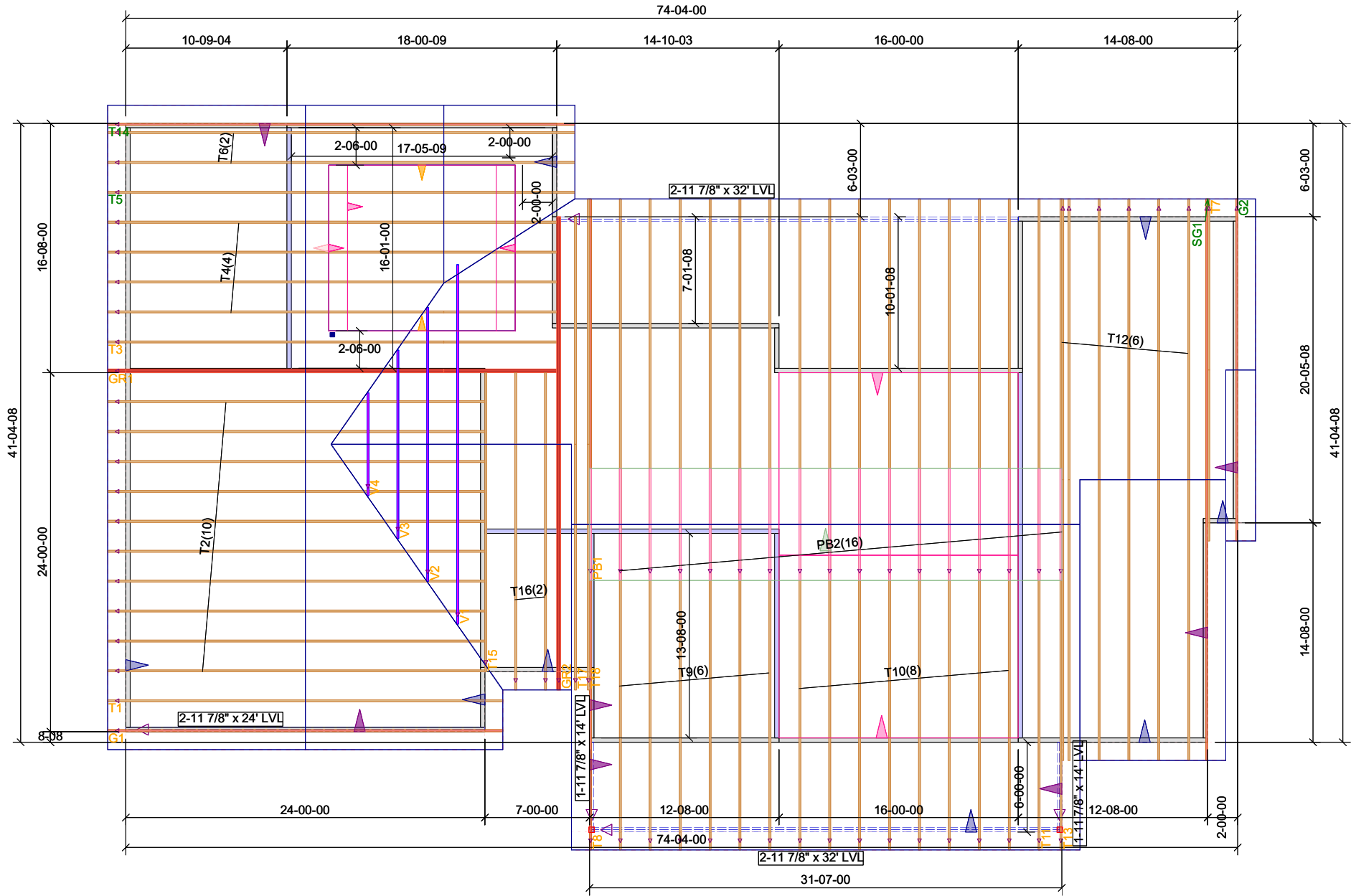
Reference dimensions only. We recommend measuring individual units at installation.



intermediate wall details

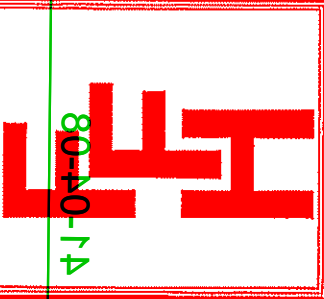


TSD
TB



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EXCLUSIVE PLAN FOR
FREEDOM FAMILY HOMES
Campbell-Benson

SHEET NO.
3

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 6 FEET (1829 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.

CONCRETE PATIO
4" CONCRETE SLAB ON GRADE AS REQ'D.

REAR PORCH
4" CONCRETE SLAB FLOOR ON FILL AS REQ'D.

DOUBLE GARAGE
4" CONCRETE SLAB FLOOR ON GRADE SLOPED TOWARD GARAGE DOORS AS REQ'D.

FRONT PORCH
4" CONCRETE SLAB FLOOR ON FILL AS REQ'D.

FOUNDATION VENTILATION INFORMATION
(MIN. NET AREA OF VENT. REQ'D. = 1/150)
1850 S.F. (CRAWL) x .96 = 1776 S.I.
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(MIN. NET AREA CAN BE REDUCED TO 1/1500)
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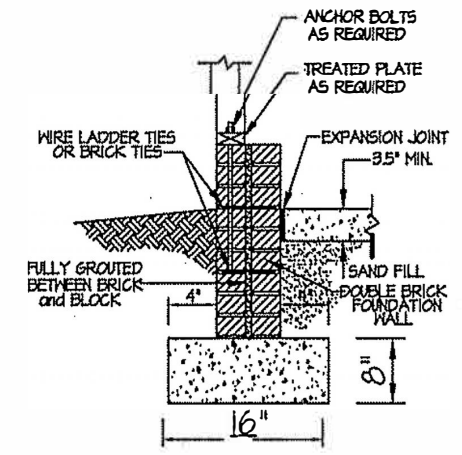
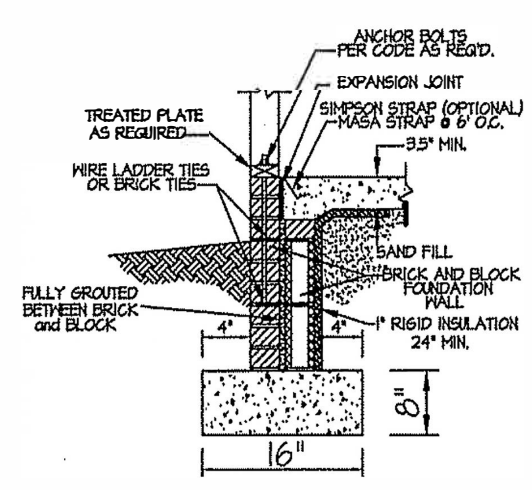
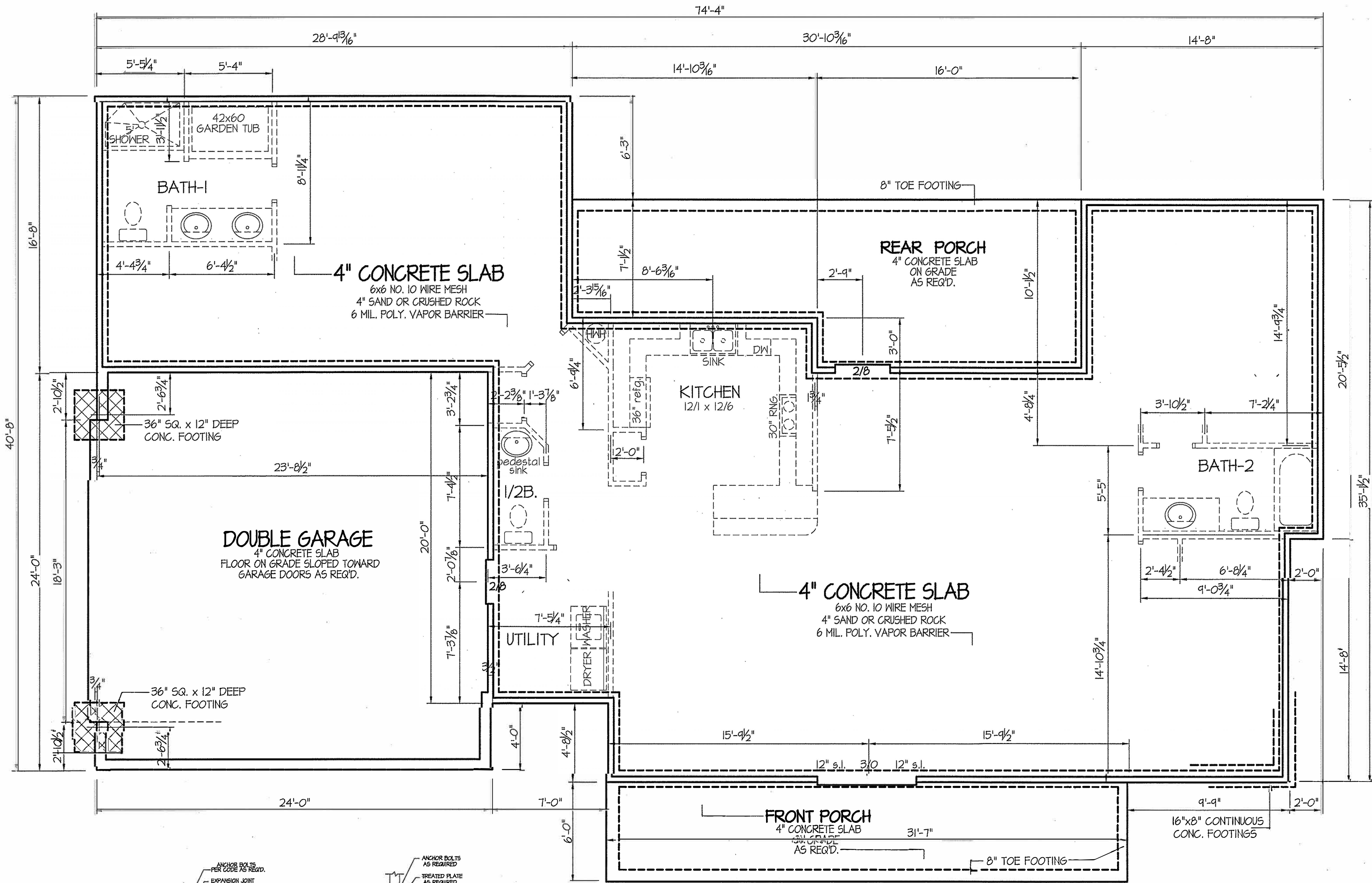
NOTES:
USE 2 X 8 MUD SILL W/ DBL. 2X10 BANDS ON 8" WALLS
PROVIDE ANCHOR BOLTS PER NC STATE CODE
USE DOUBLE 2X10 GIRDERS W/ 2X2 LEDGERS
USE 2X8 JOISTS AT 16" O.C., ADD SGL. JOIST UNDER PARALLEL INTERIOR WALLS AS REQ'D.
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PROVIDE STEPS TO GRADE (MAX. 8")

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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).

BOX SILL
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

TSP AB

COMPUTER FILE: Campbell MARCH 2020



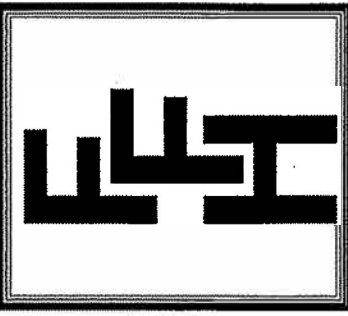
SLAB NOTES:
USE 4" CONCRETE SLAB ON FILL AS REQ'D.
PROVIDE ANCHOR BOLTS AROUND PERIMETER OF HOUSE (1/2" BOLTS @ 4' o.c. [Within 12" from corners]-HOOK END EMBEDDED 15" IN CONCRETE)
TREAT SOIL FOR TERMITES AS REQ'D. BY LOCAL/STATE CODES
HOLD PORCH AND GARAGE SLAB 4" MIN. BELOW HOUSE SLAB
PROVIDE STEPS AS REQ'D.

N.C. SPECIFIC
COMcheck or ASHRAE 90.1
2013 COMcheck SHALL BE PERMITTED TO DEMONSTRATE COMPLIANCE WITH THE N.C. 2018 ENERGY CONSERVATION CODES. (SECTION C401.2 (3))

STEM WALL SLAB
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

DATE:
NOV. 13, 2020

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EXCLUSIVE PLAN FOR
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SHEET NO.
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