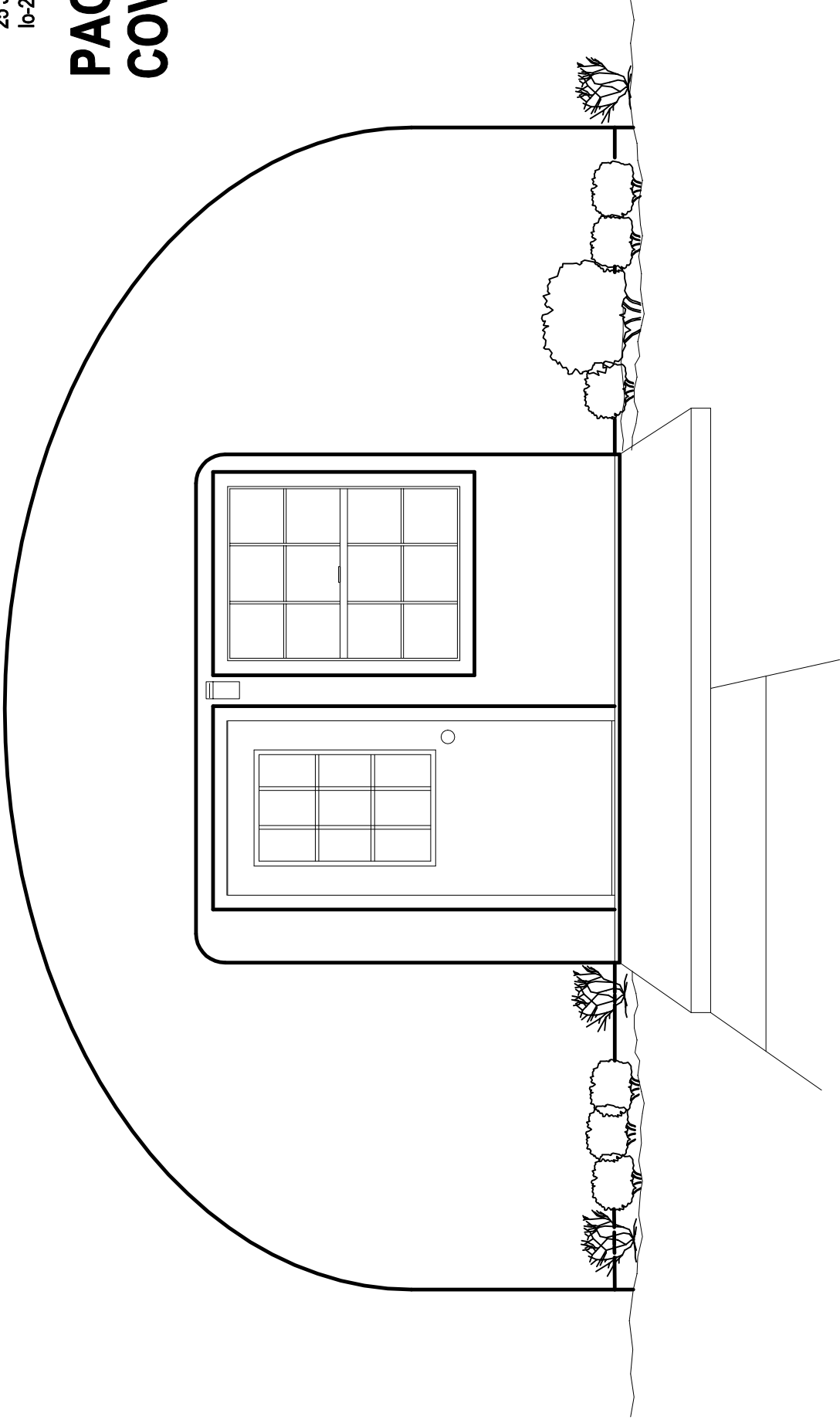


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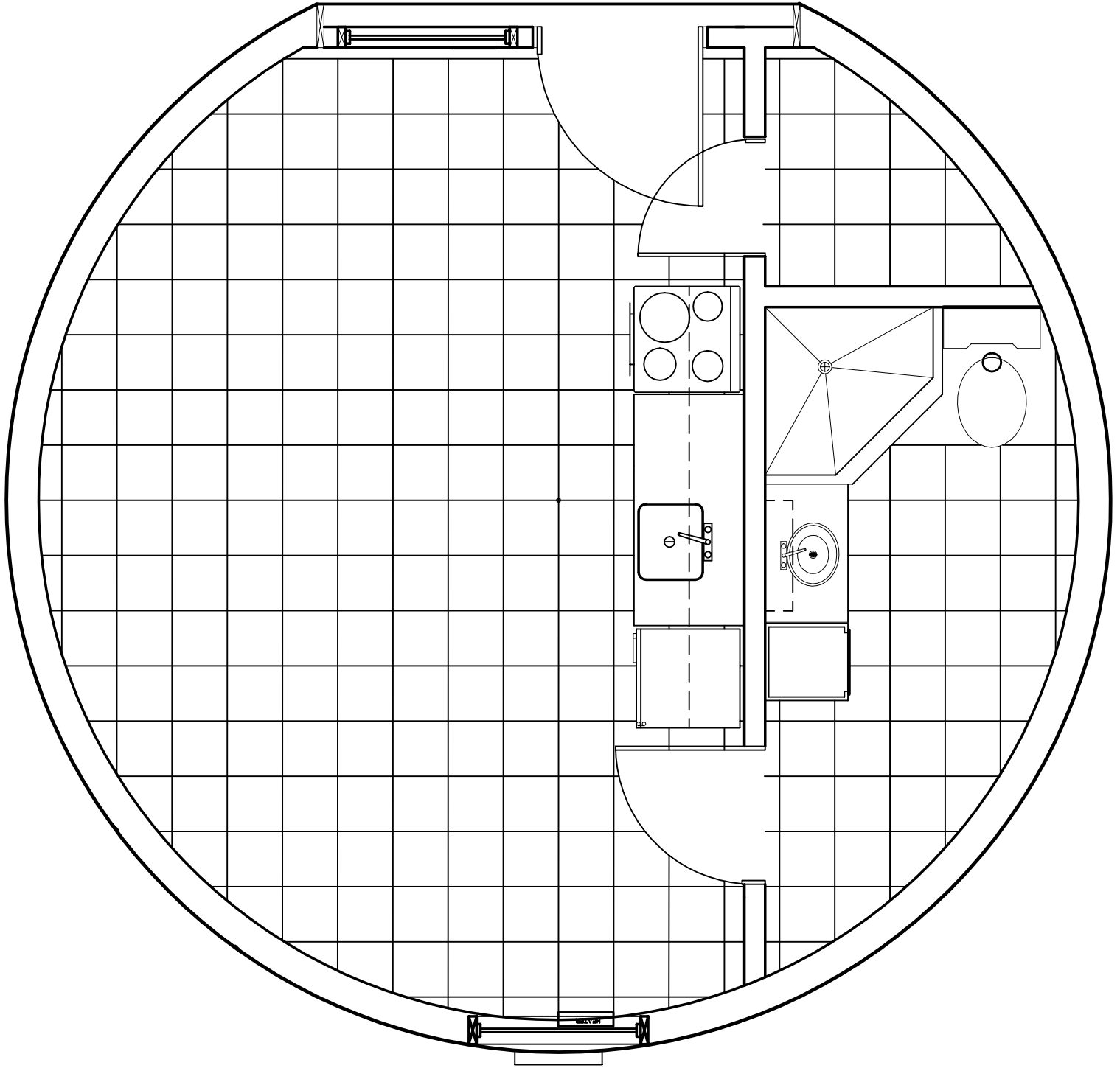
PAGE 1 COVER



10-20 COTTAGE

PAGE 2 FLOOR PLAN

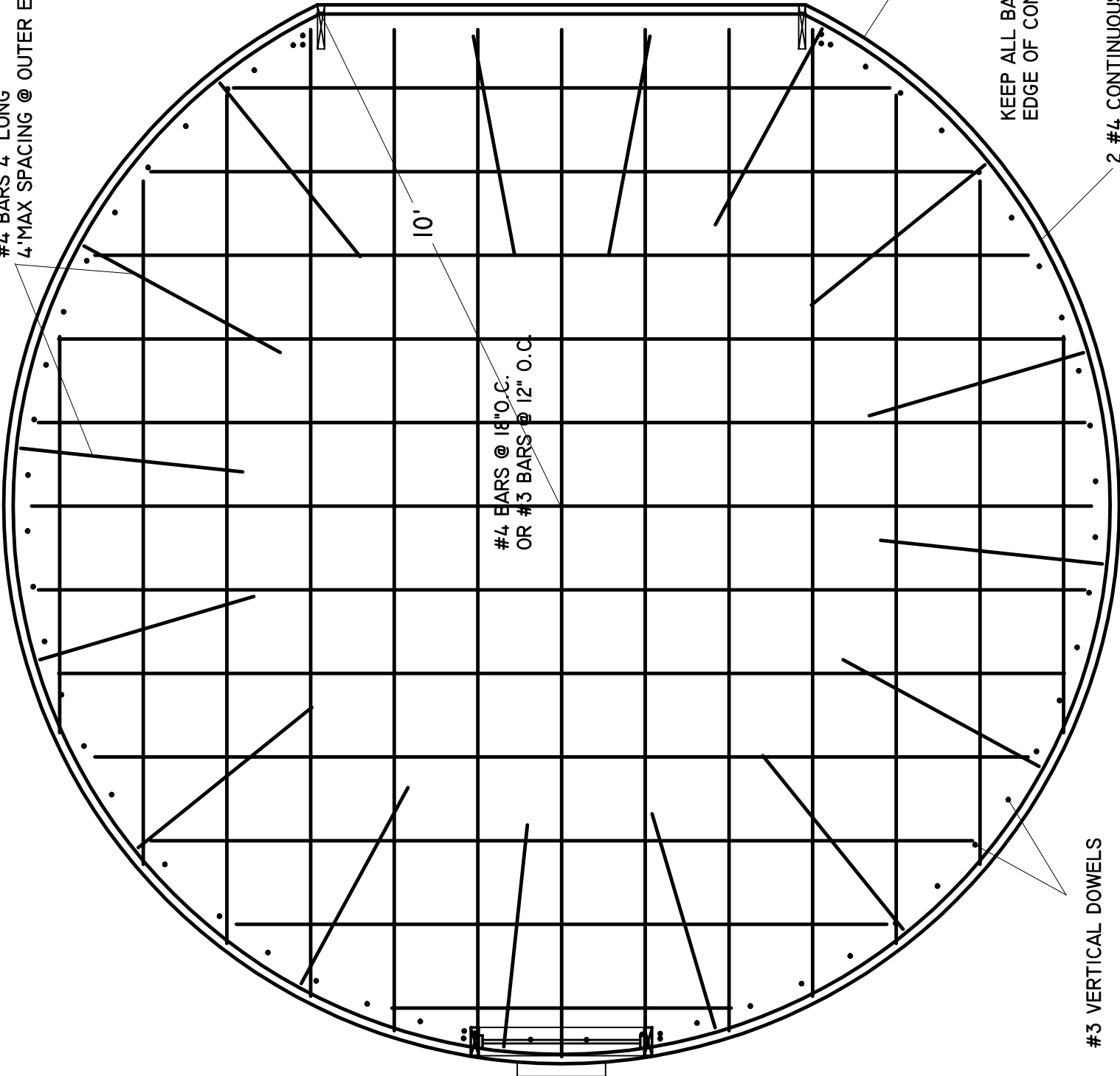
SCALE: 3/8" = 1'-0"



PAGE 3 SLAB ENGINEERING

SCALE: 3/8" = 1'-0"

#4 BARS 4' LONG
4' MAX SPACING @ OUTER END



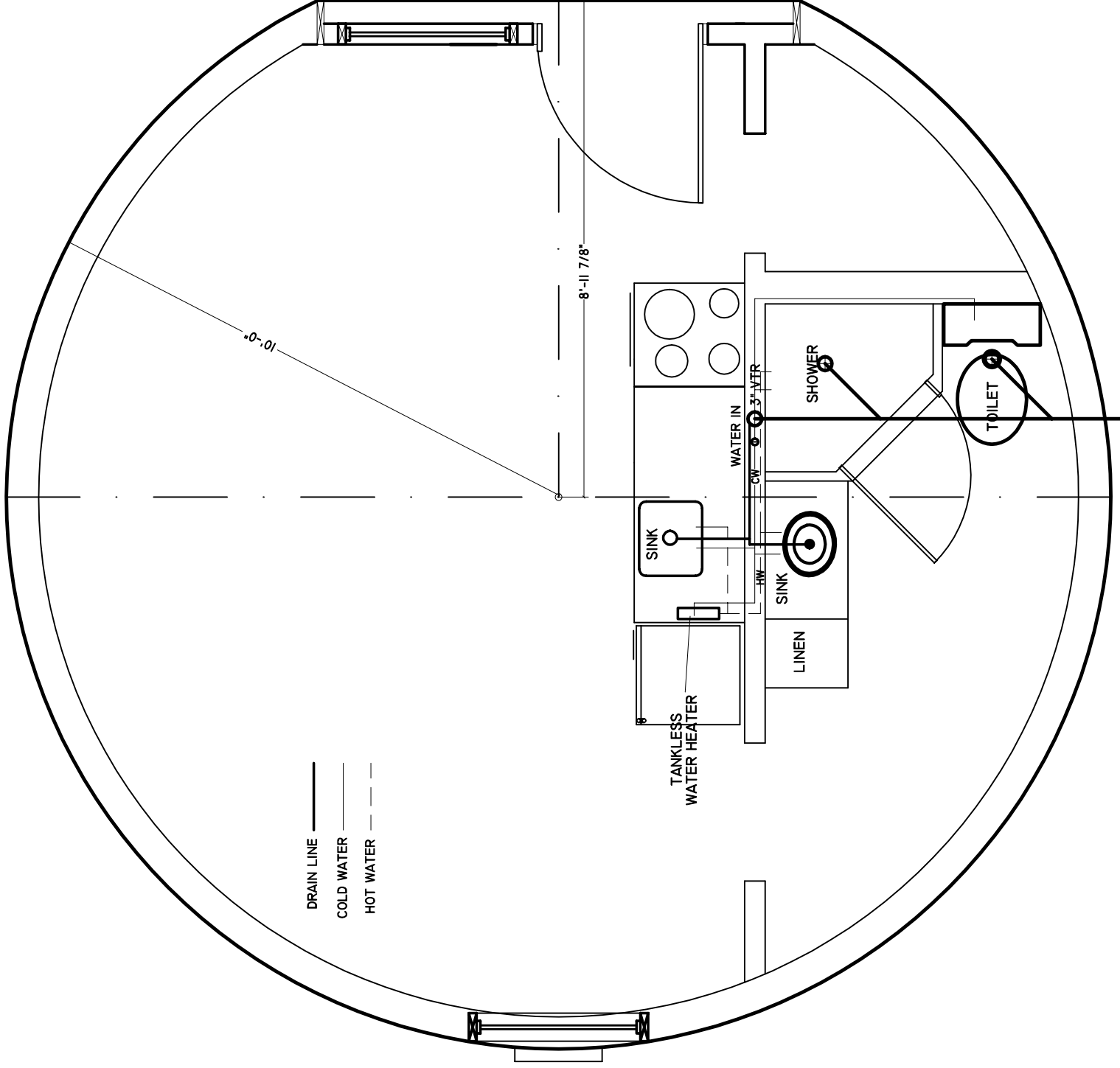
KEEP ALL BARS 2" FROM
EDGE OF CONCRETE

#3 VERTICAL DOWELS

2 #4 CONTINUOUS

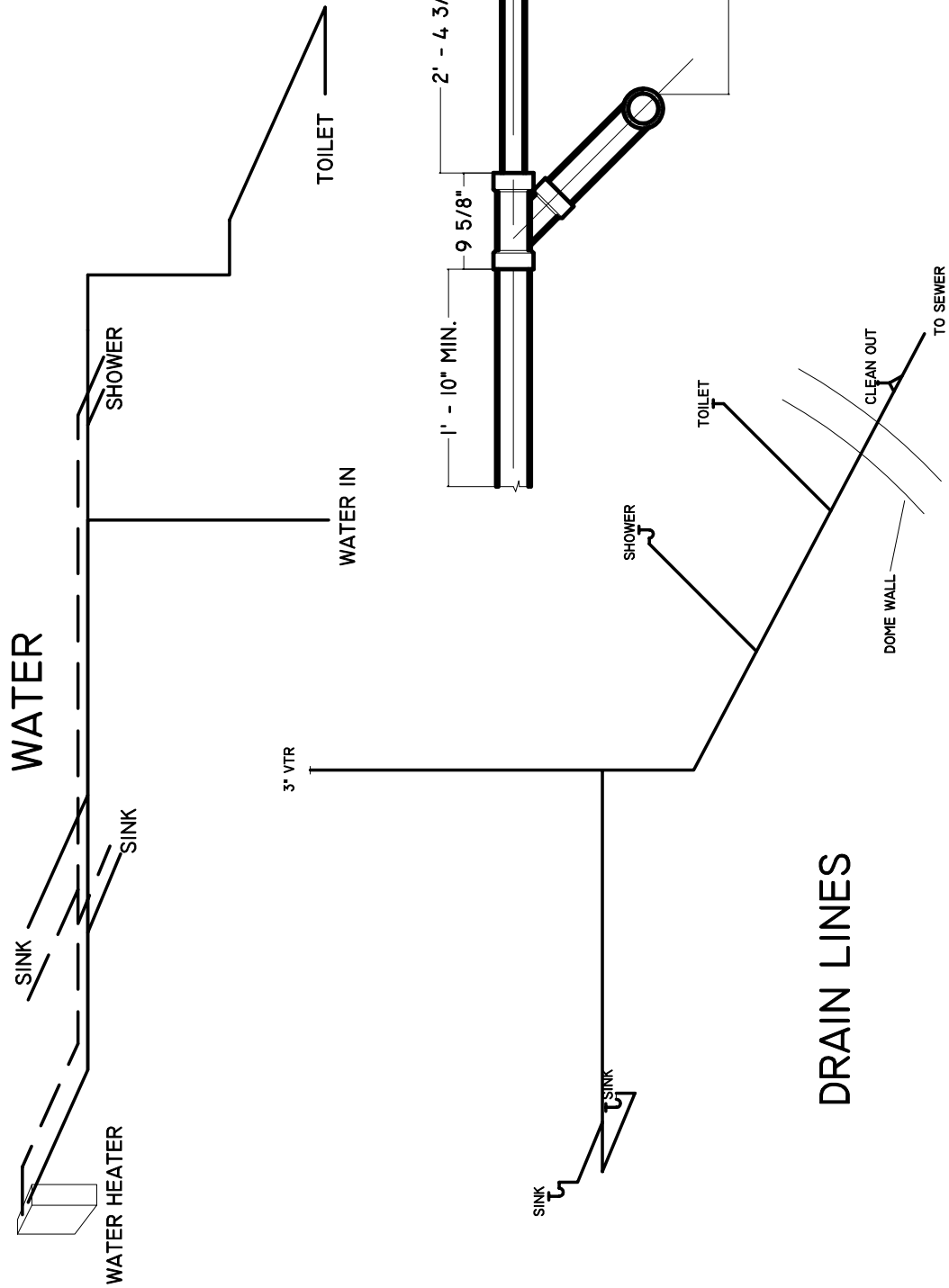
PAGE 4 SLAB AND PLUMBING LAYOUT

SCALE: 3/8" = 1'-0"



PAGE 5 PLUMBING ISOMETRIC

NOT TO SCALE

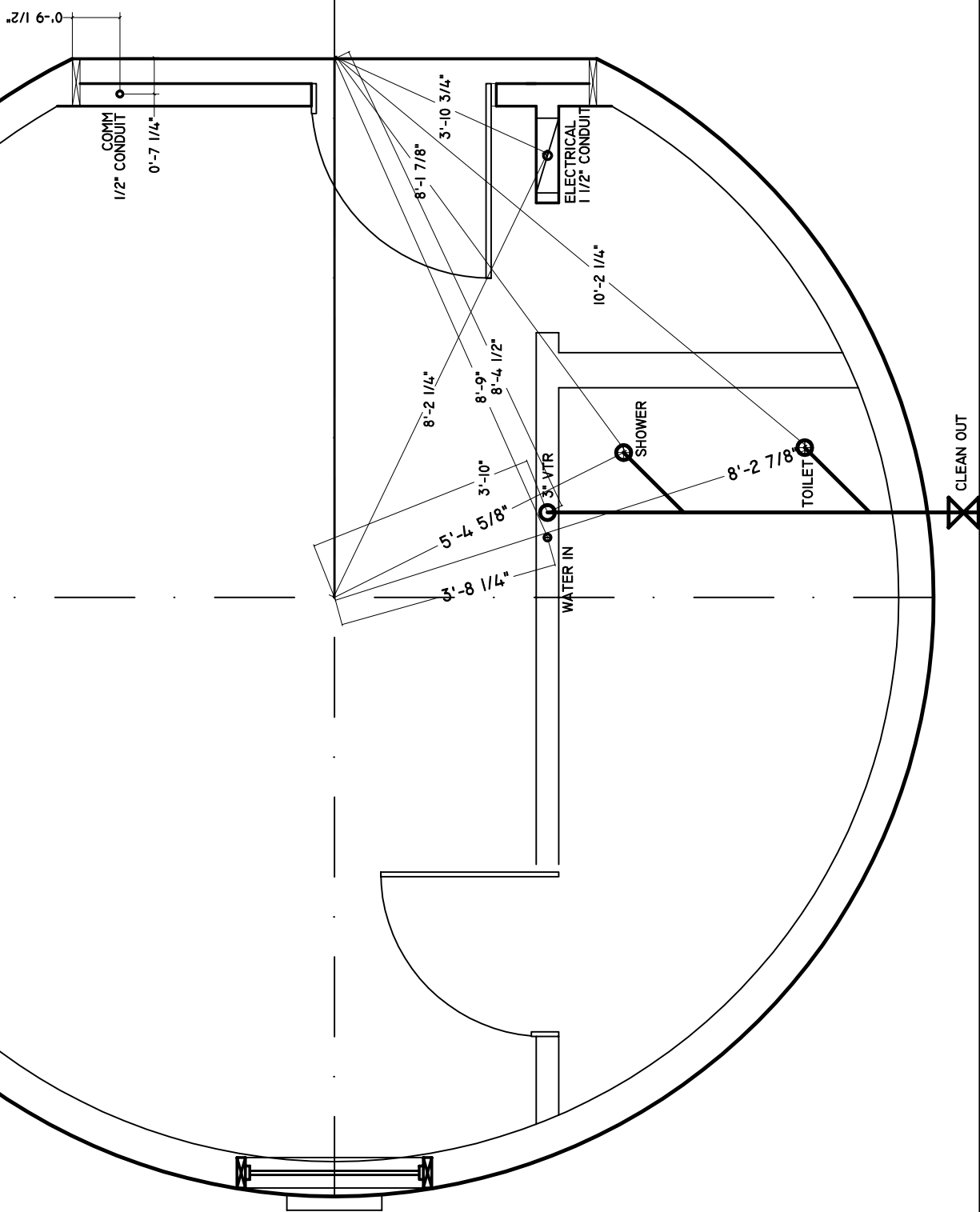


DRAIN LINES

PLUMBING ROUGH IN (SWINGLINE METHOD)

PAGE 6

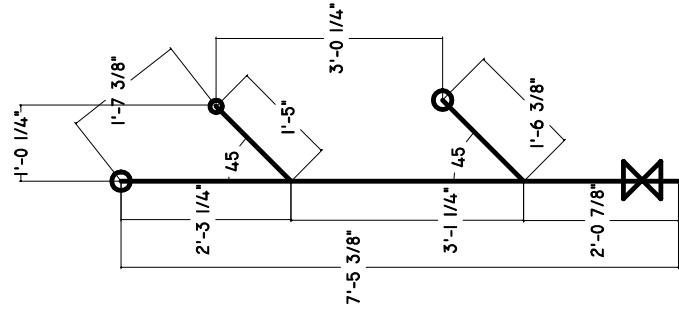
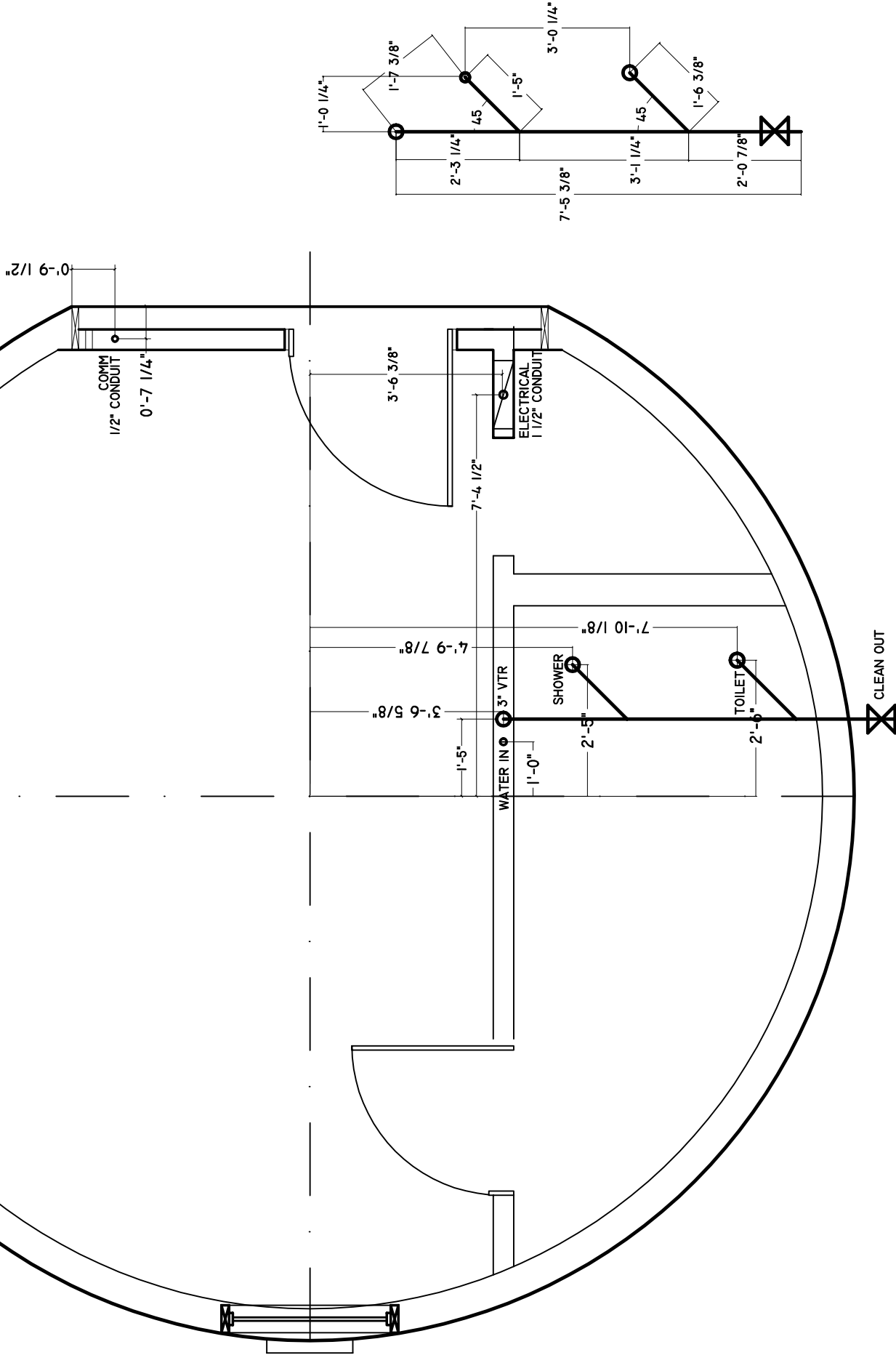
SCALE: 3/8" = 1'-0"



PLUMBING ROUGH IN (LINEAR METHOD)

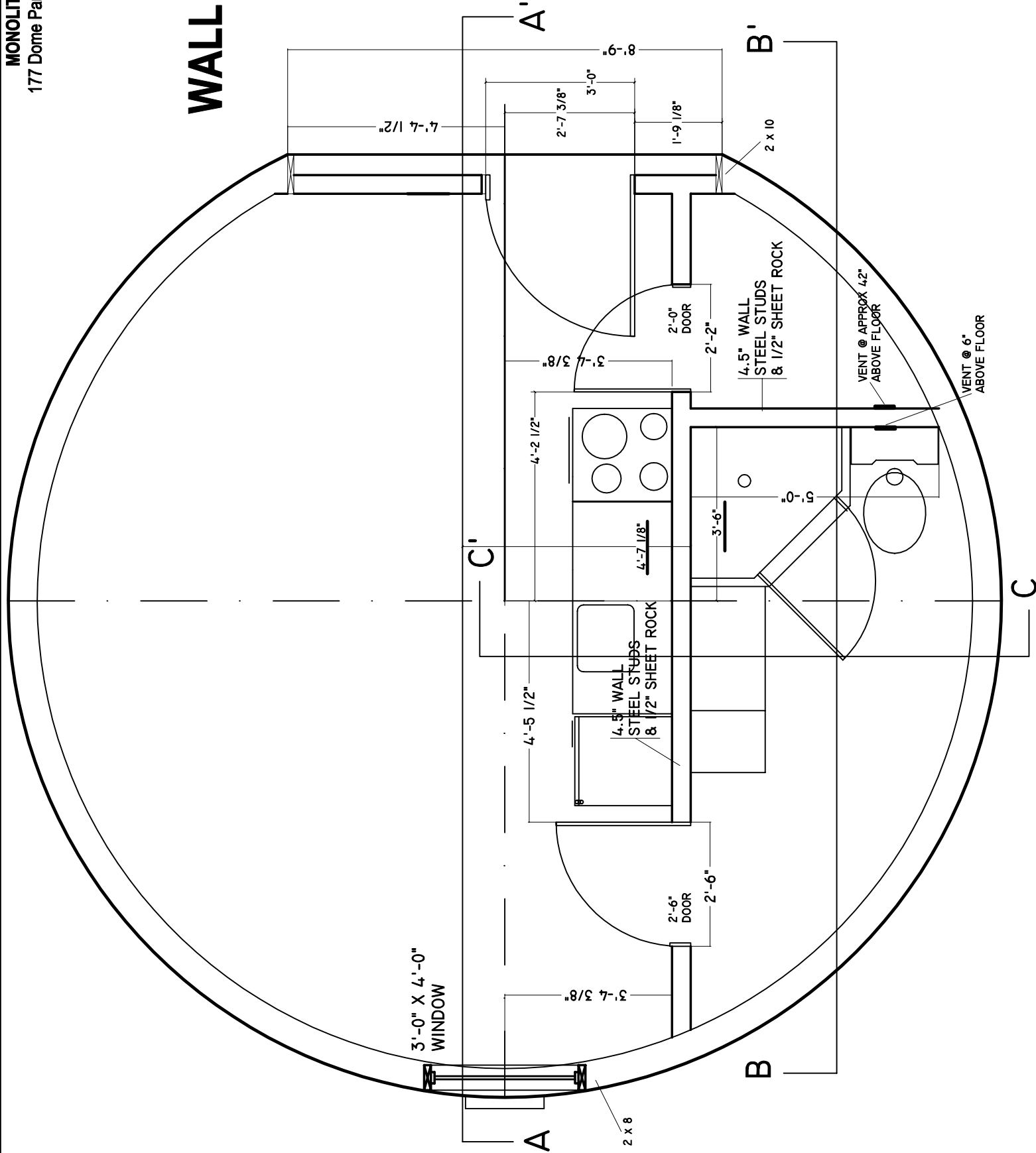
PAGE 7

SCALE: 3/8" = 1'-0"



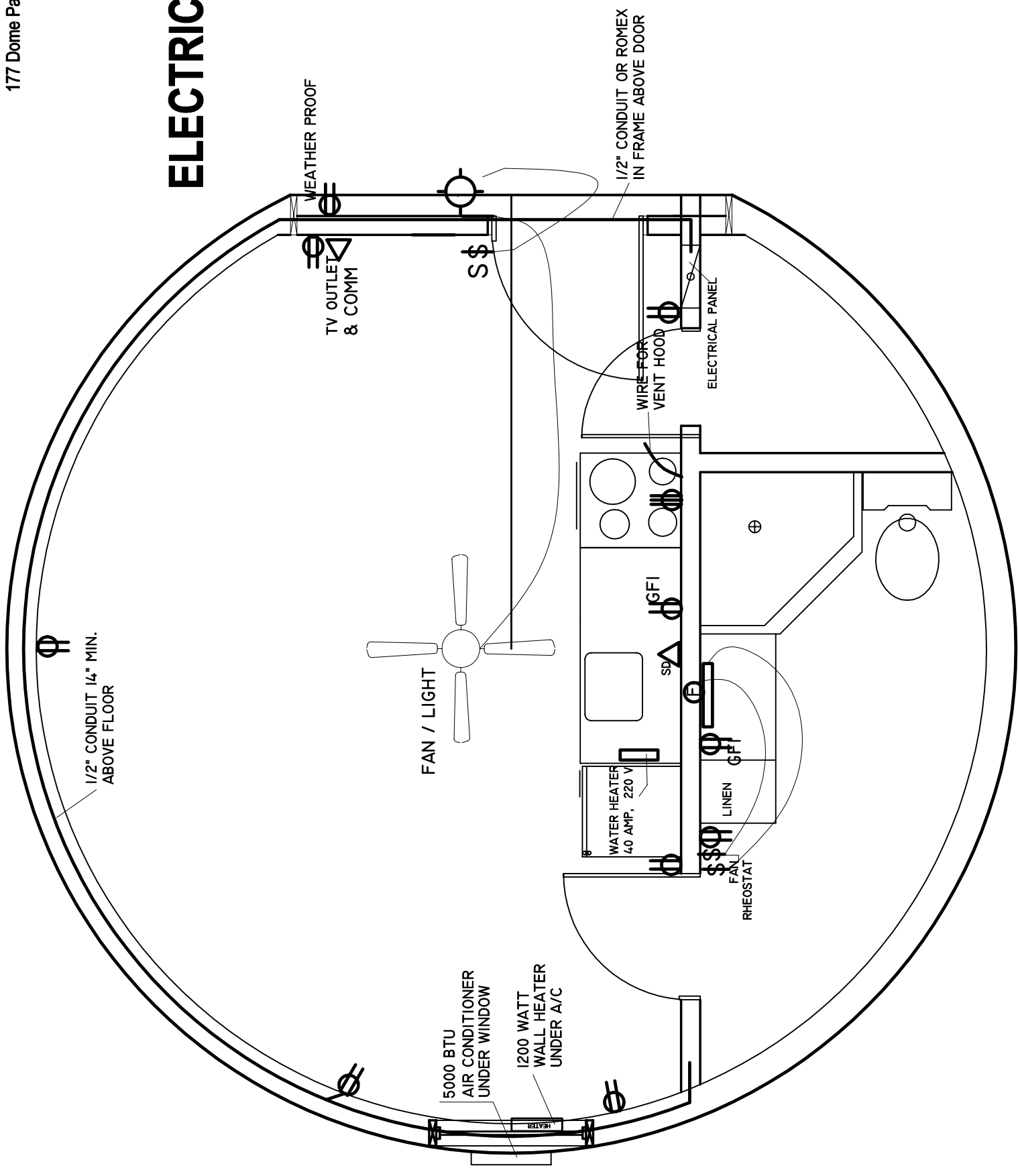
PAGE 8 WALL LAYOUT

SCALE: 3/8"=1'-0"



PAGE 9 ELECTRICAL PLAN

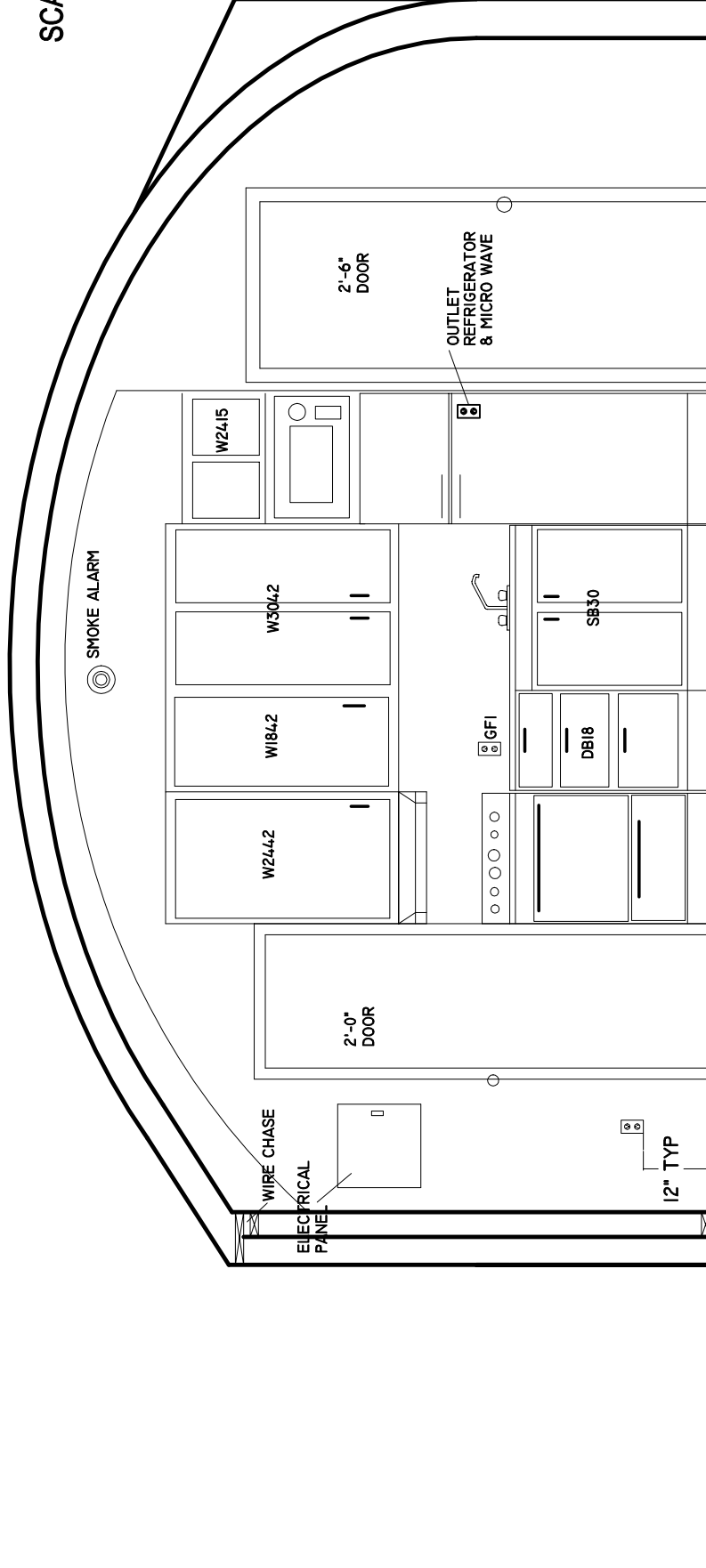
SCALE: 3/8"=1'-0"



PAGE 10

SECTION A-A'

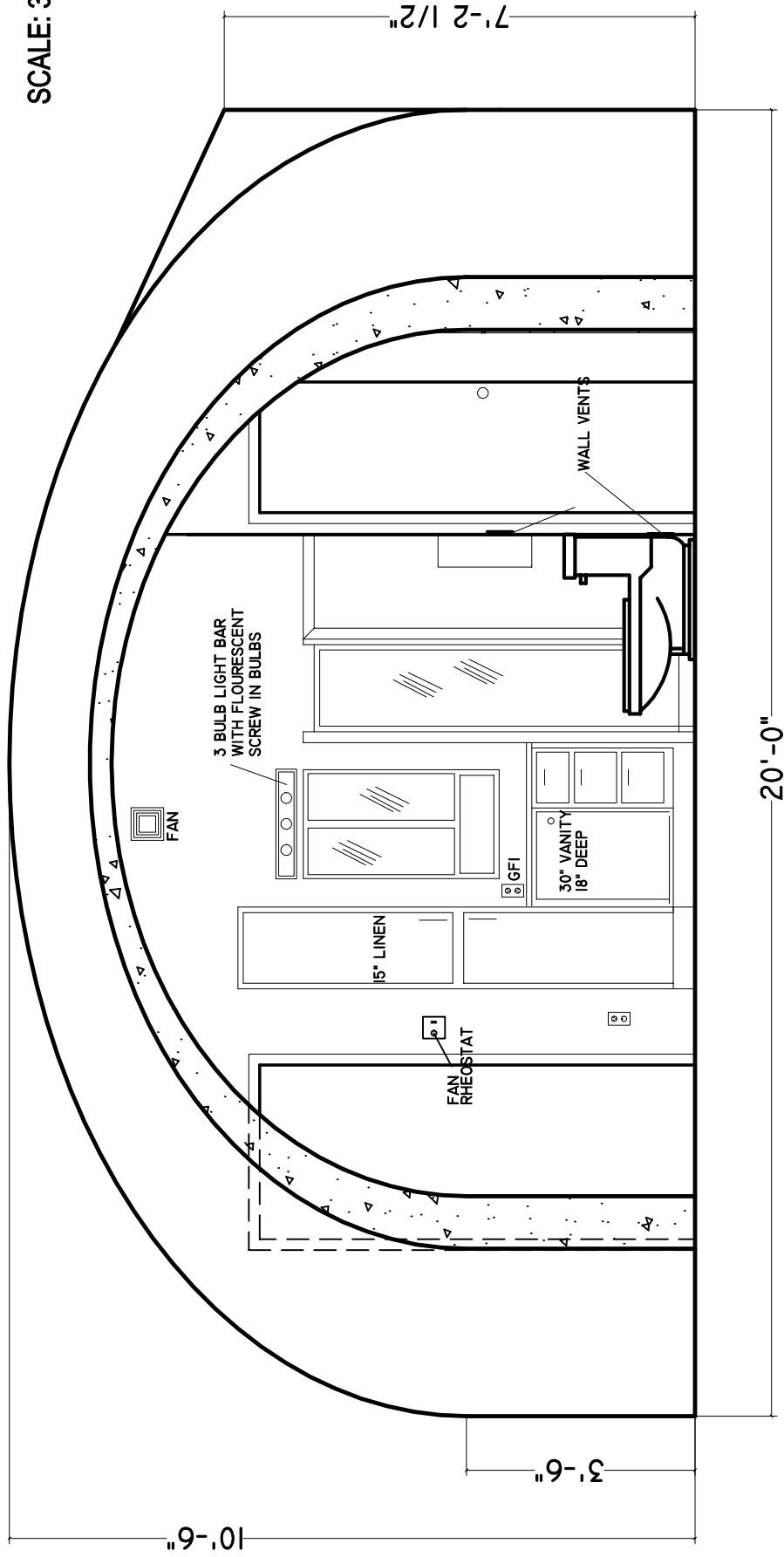
SCALE: 3/8"=1'-0"



PAGE 11

SECTION B-B'

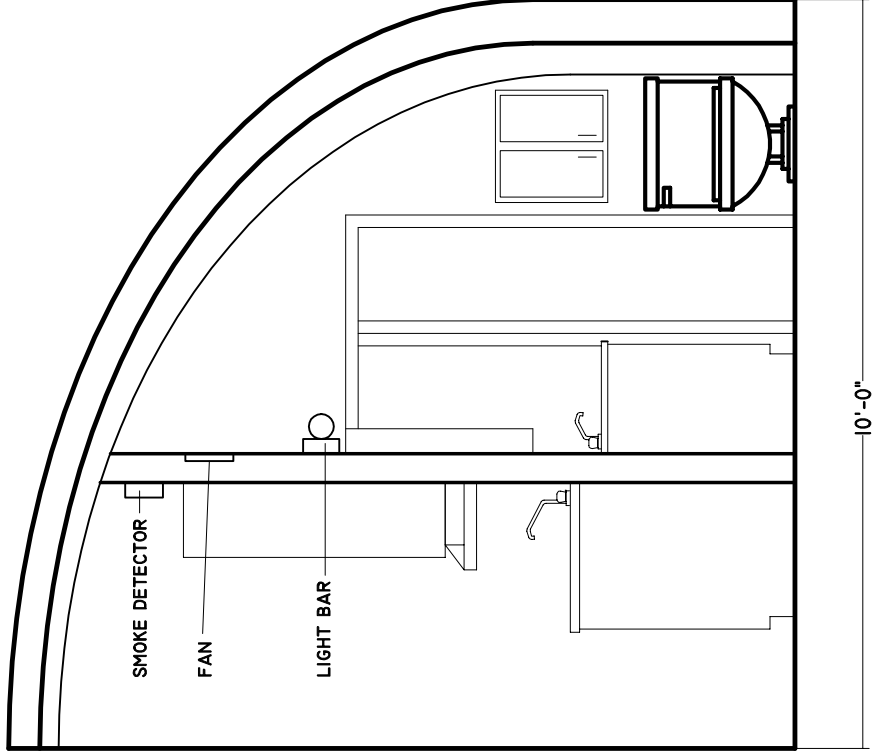
SCALE: 3/8"=1'-0"



PAGE 12

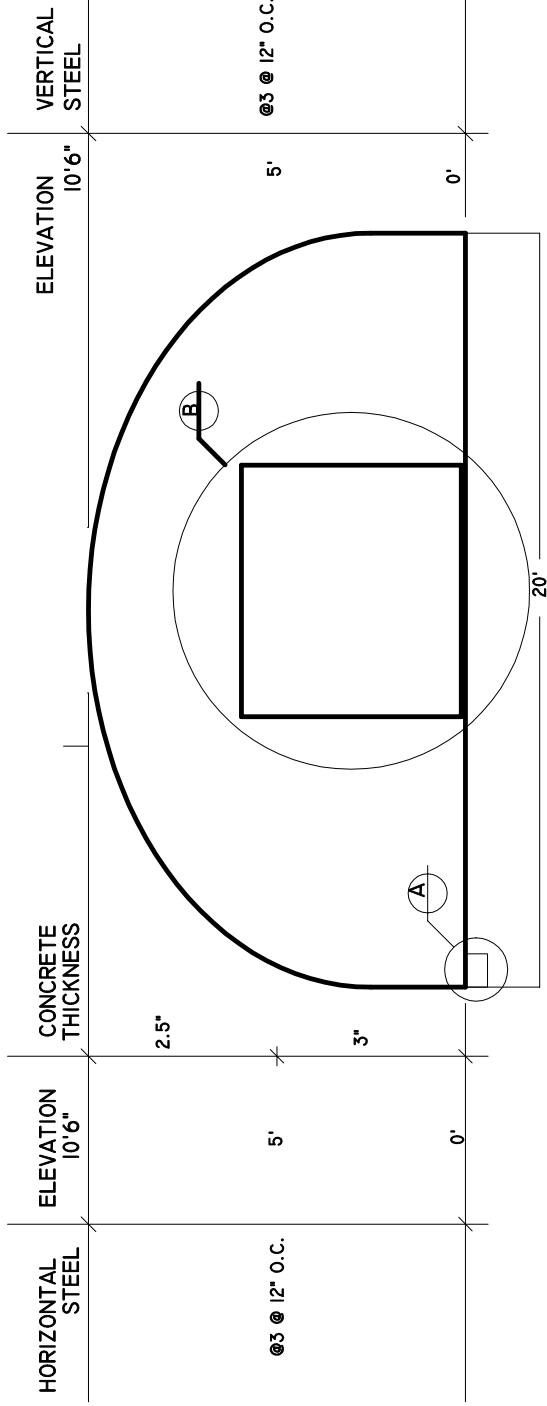
SECTION B-B'

SCALE: 3/8"=1'-0"



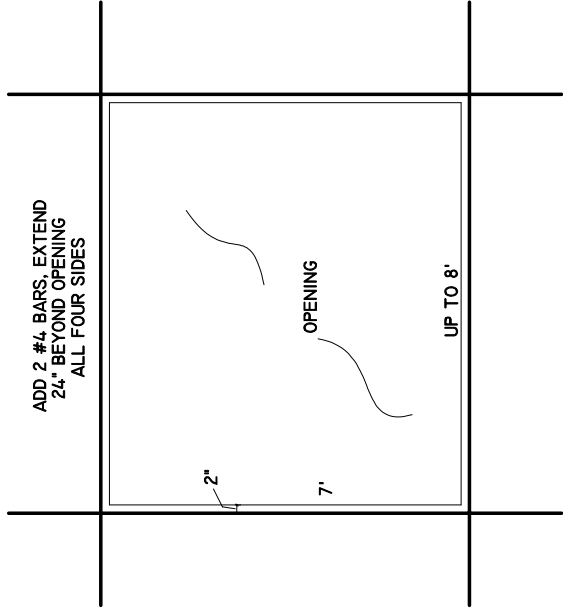
PAGE 13 ENGINEERING

NOT TO SCALE



STEEL SCHEDULE - 20' x 10'6" DOME

NOT TO SCALE



STEEL SCHEDULE - SMALL OPENING

NOT TO SCALE

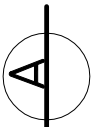
NOTES:

1. SHELL CONCRETE: F'c = 4KSI, AIR ENTRAINED 5 TO 7 PERCENT.
2. FOOTING CONCRETE: F'c = 3KSI.
3. STEEL: REINFORCING OF GRADE 60. FY= 60KSI.
4. ADD 2 #4 REBAR AROUND 4' DIA. OR SMALLER SKYLIGHTS OR OPENINGS.
5. DESIGN LOADS: DEAD LOAD OF SHELL PLUS 10PSF CEILING & ROOFING. PLUS LIVE LOAD OF 40PSF. WIND LOAD = 400PSF.(OR 300 MPH)
6. LAP REBAR FOR TENSION SPICE IN SHELL. CLASS B ACI 318-85 #8...47', #6...28", #5...23", #4 & #3...18". IF MORE THAN 50% OF SPLICES OCCUR WITHIN THE LAP SPICE LENGTH THEN INCREASE LAP BY 1.7 TIMES.
7. LAP REBAR FOR TENSION SPICE IN FOOTINGS. CLASS B ACI 318-85. #8...36", #6...24", #5...18", #4 & #3...12". IF MORE THAN 50% OF SPLICES OCCUR WITHIN THE LAP SPICE LENGTH THEN INCREASE LAP BY 1.7 TIMES.
8. PROVIDE TAPERED 2"x4" NOMINAL KEYWAY BETWEEN SHELL & FOOTING. MAY BE DONE BY MANUALLY REMOVING SOME MATERIAL & TAMPING A KEYWAY KEYWAY MAY BE INSIDE OF VERTICAL REBAR.
9. LOCATE REBAR IN CENTER OF SHELL CONCRETE THICKNESS
10. SPACING OF REBAR: CLEAR DISTANCE BETWEEN PARALLEL BARS IN ONE LAYER SHALL BE NOT LESS THAN 10' NOR 1".
11. STRUCTURE MEETS OR EXCEEDS REQUIREMENTS FOR SIESMIC ZONE 2A



DETAIL - FOOTING

NOT TO SCALE



PAGE 14
FOOTING DETAIL

NOT TO SCALE

