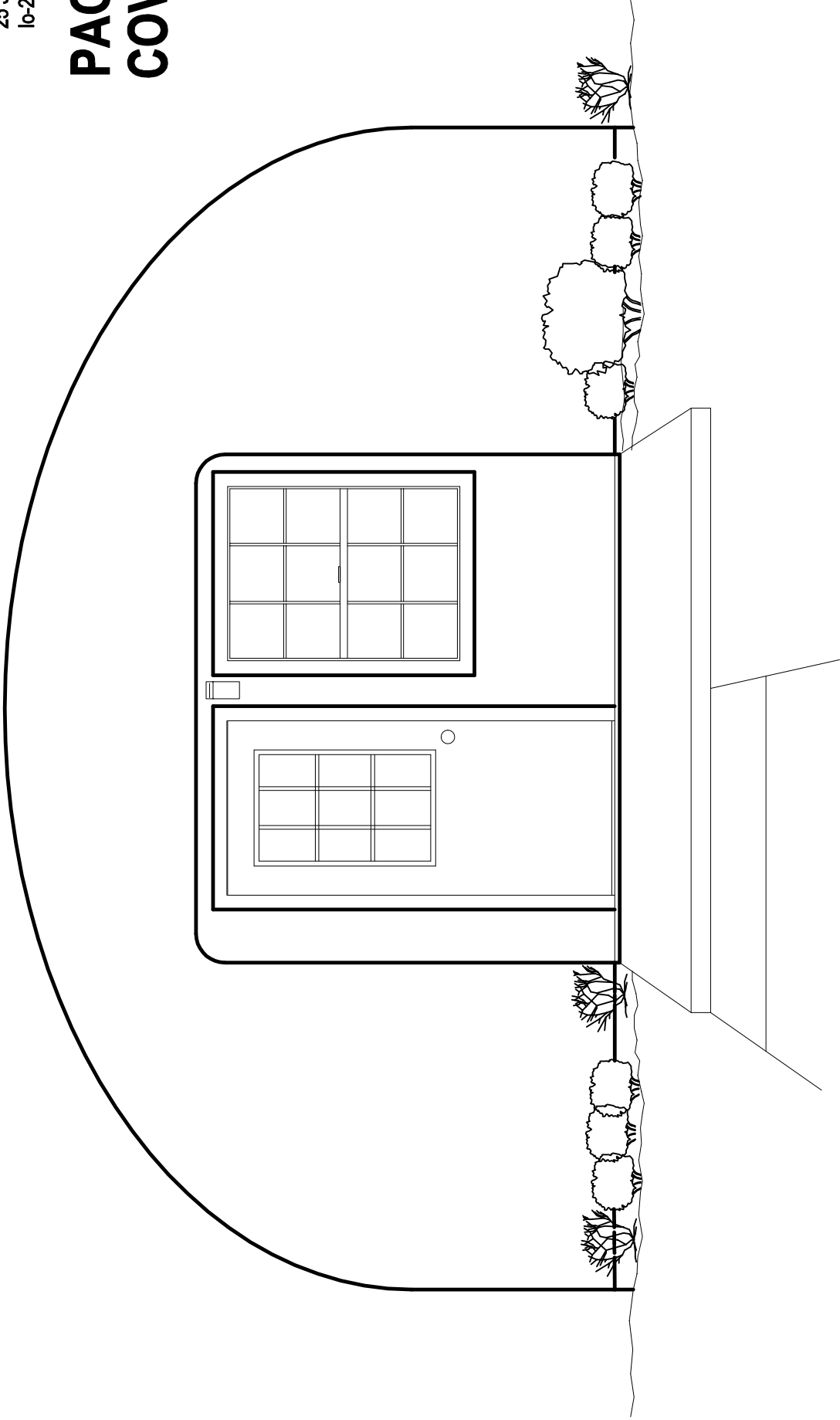


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177 Dome Park Place, Italy, TX 76651
972-483-7423
25 June 2003
10-20 Cottage

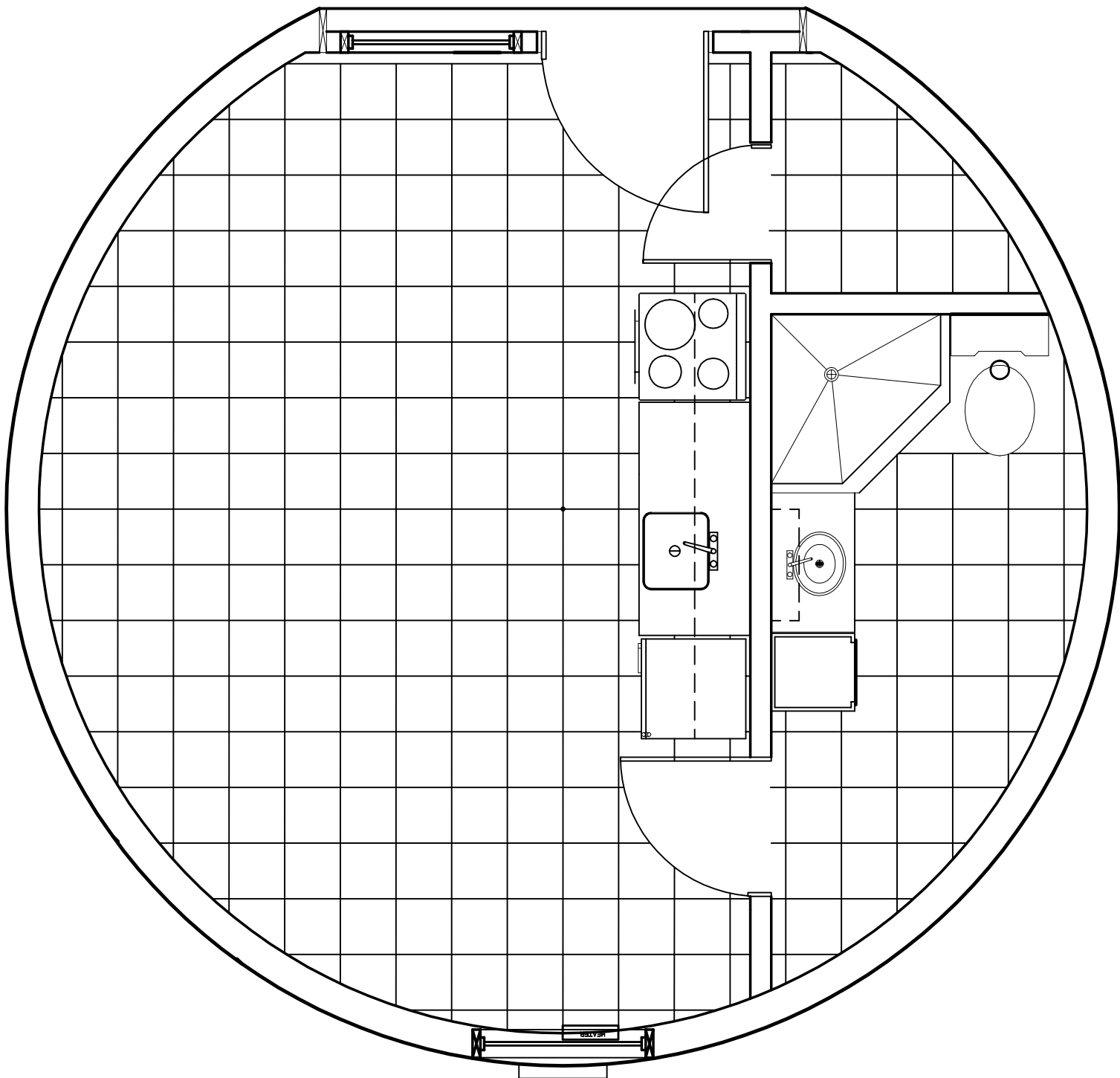
PAGE 1 COVER



10-20 COTTAGE

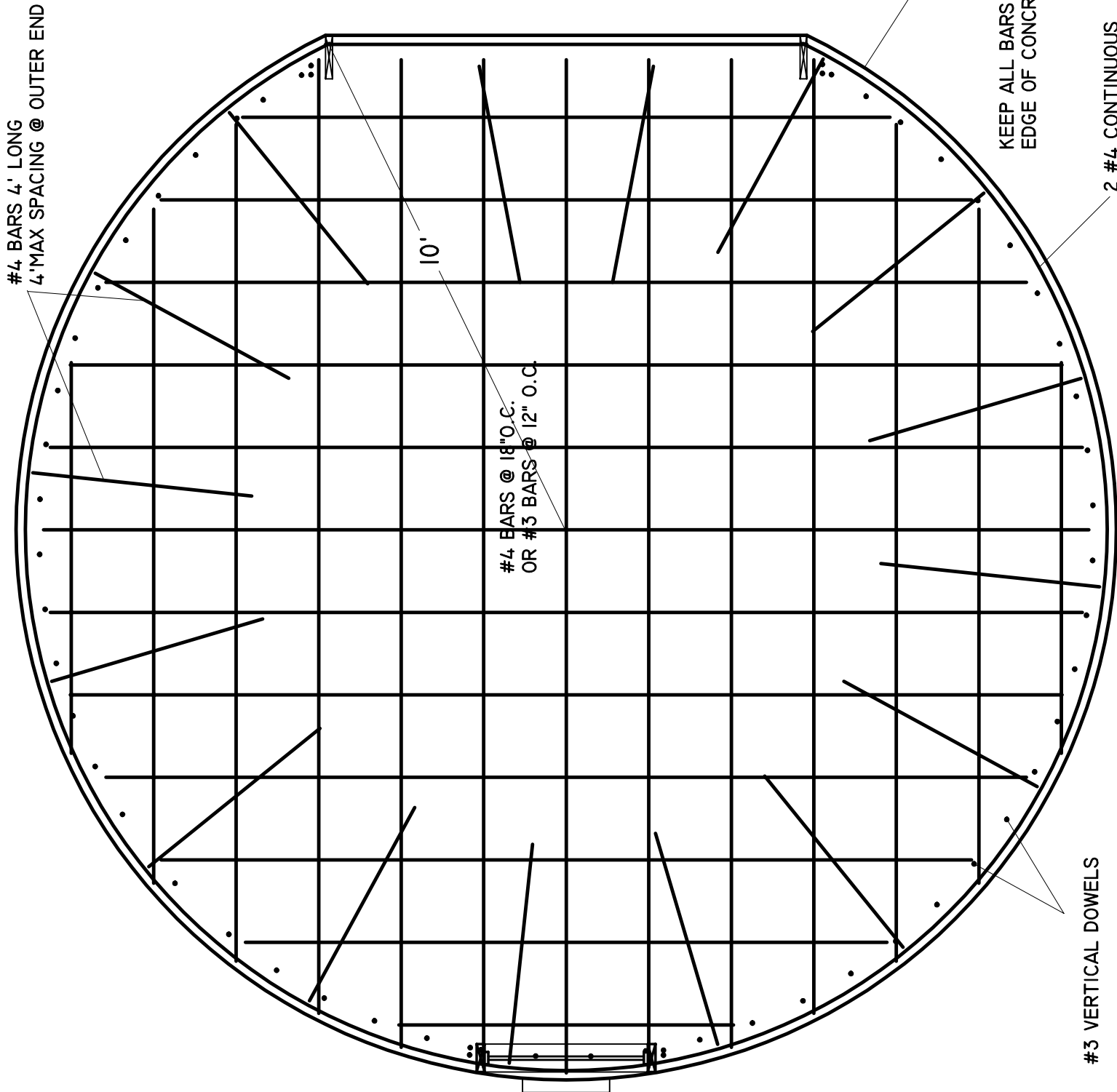
PAGE 2 FLOOR PLAN

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



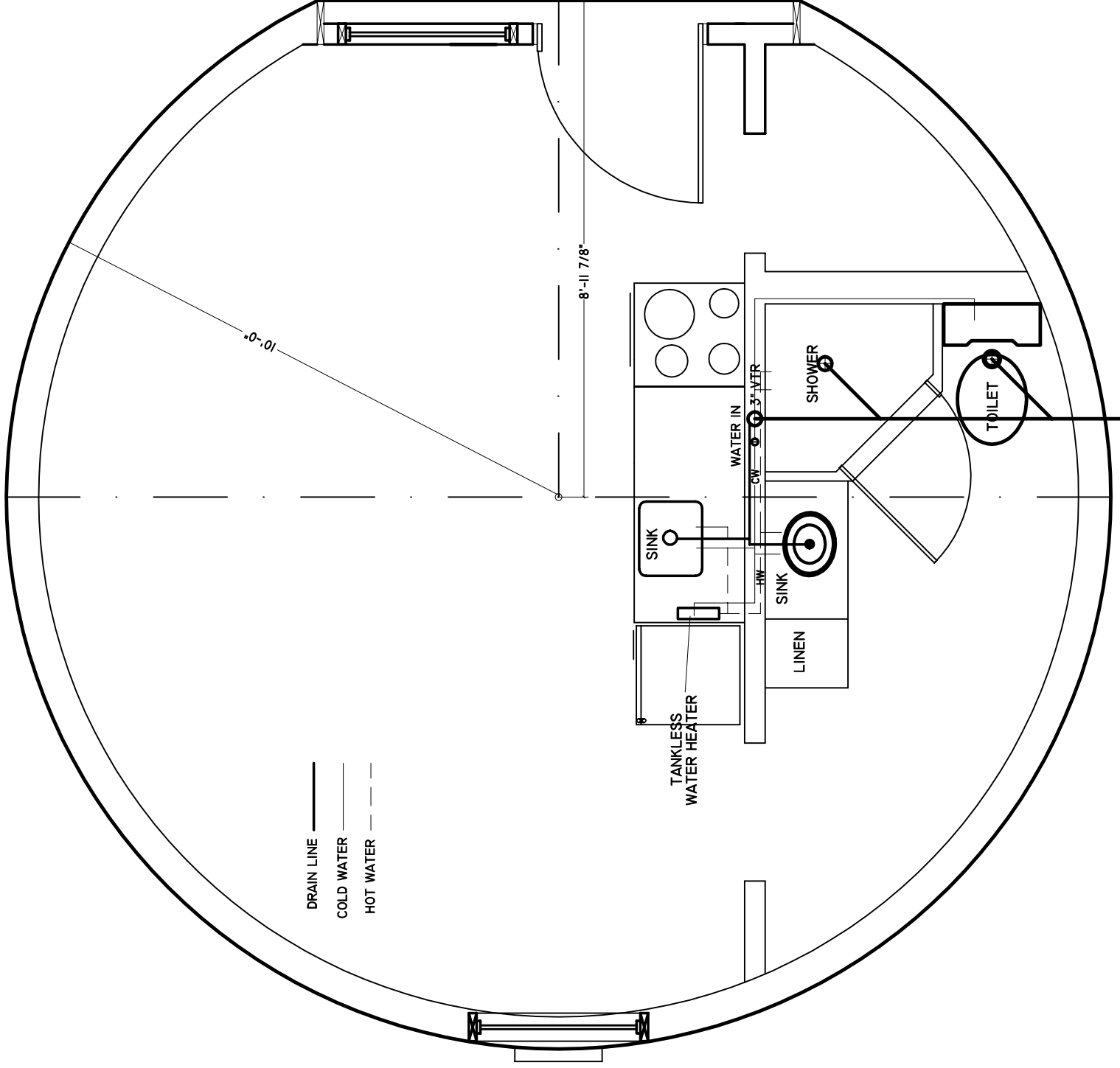
PAGE 3 SLAB ENGINEERING

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



PAGE 4 SLAB AND PLUMBING LAYOUT

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



— DRAIN LINE
- - - COLD WATER
- · - · - HOT WATER

10'-0"

8'-11 7/8"

TANKLESS
WATER HEATER

SINK

LINEN

SINK

WATER IN

CW

HW

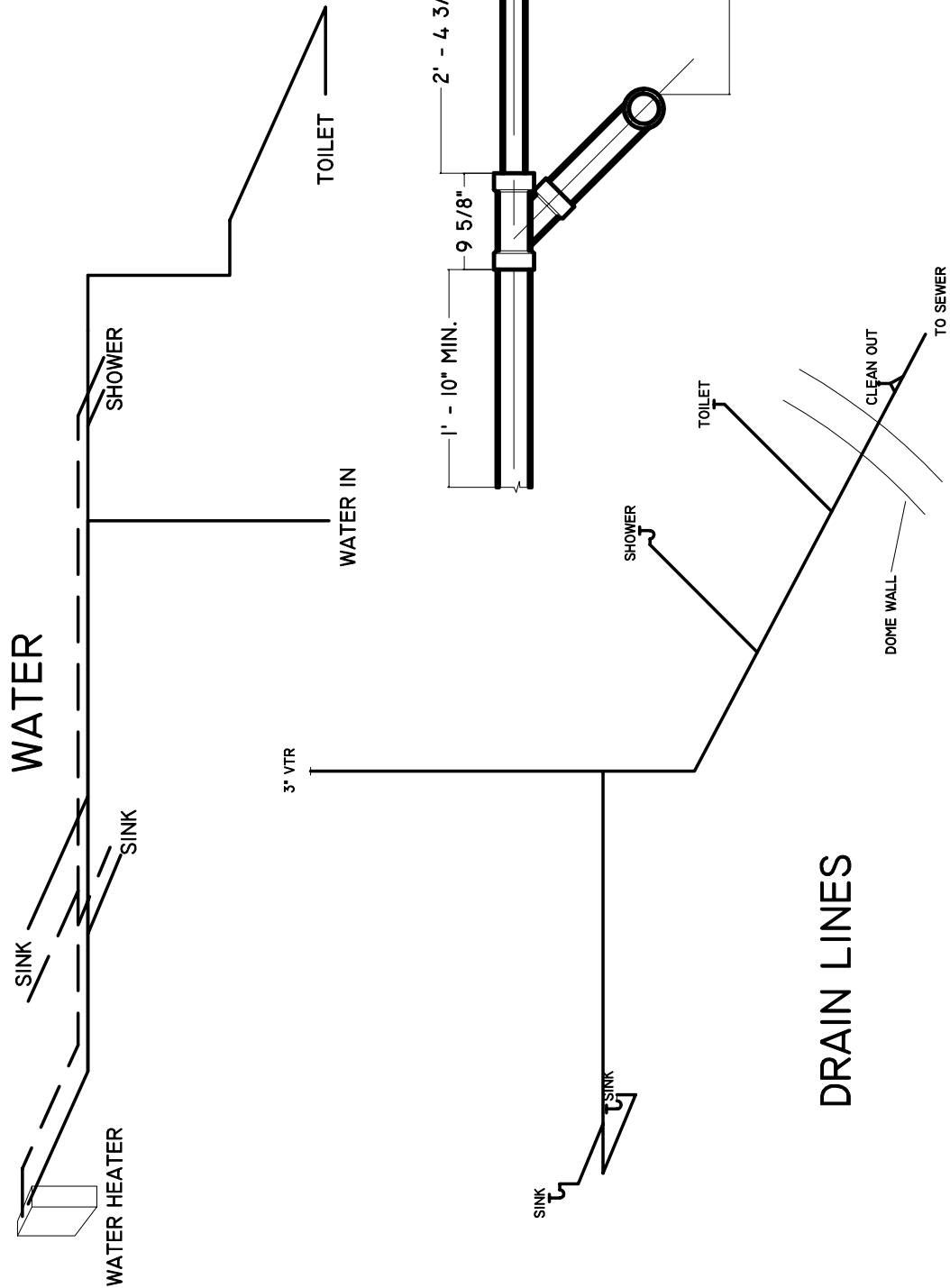
3" VTR

SHOWER

TOILET

PAGE 5 PLUMBING ISOMETRIC

NOT TO SCALE

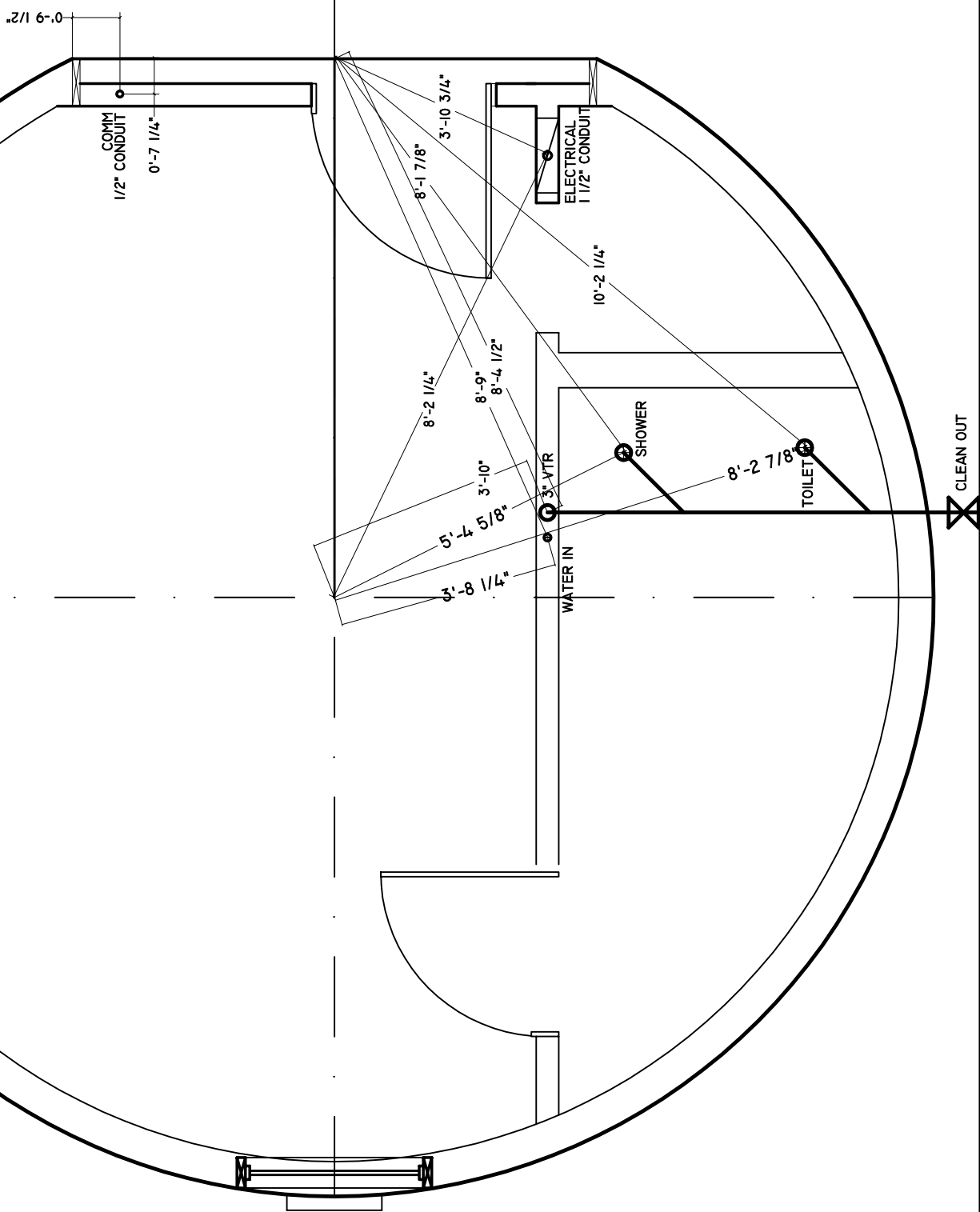


DRAIN LINES

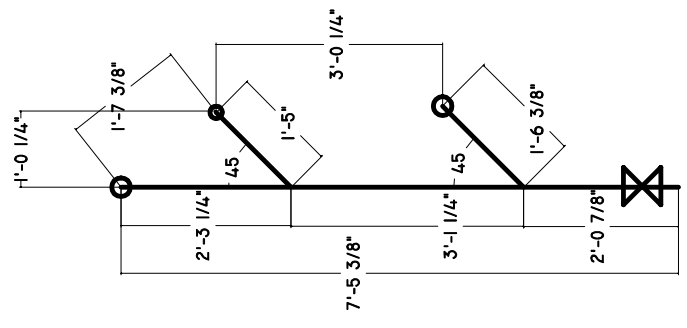
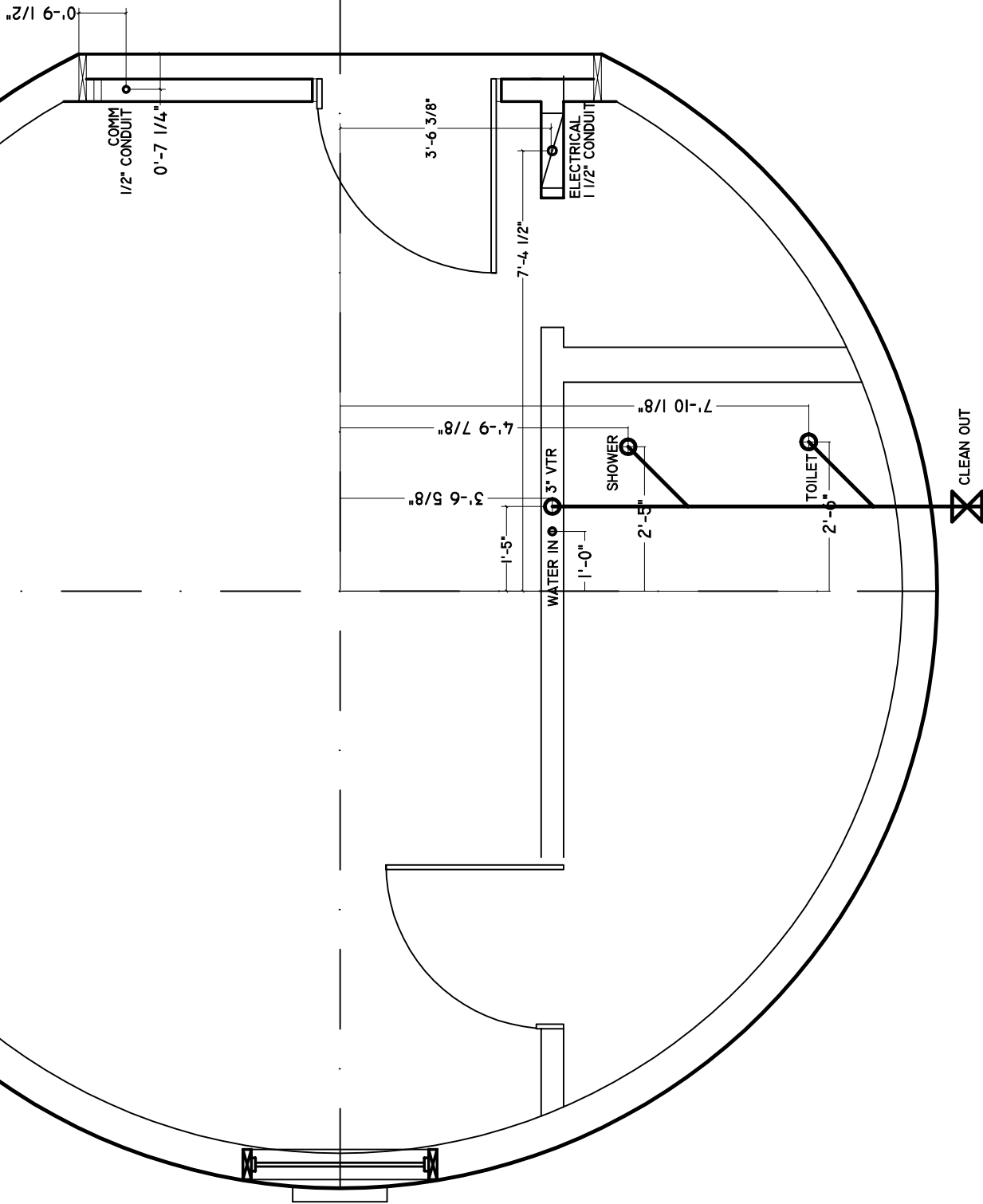
PLUMBING ROUGH IN (SWINGLINE METHOD)

PAGE 6

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

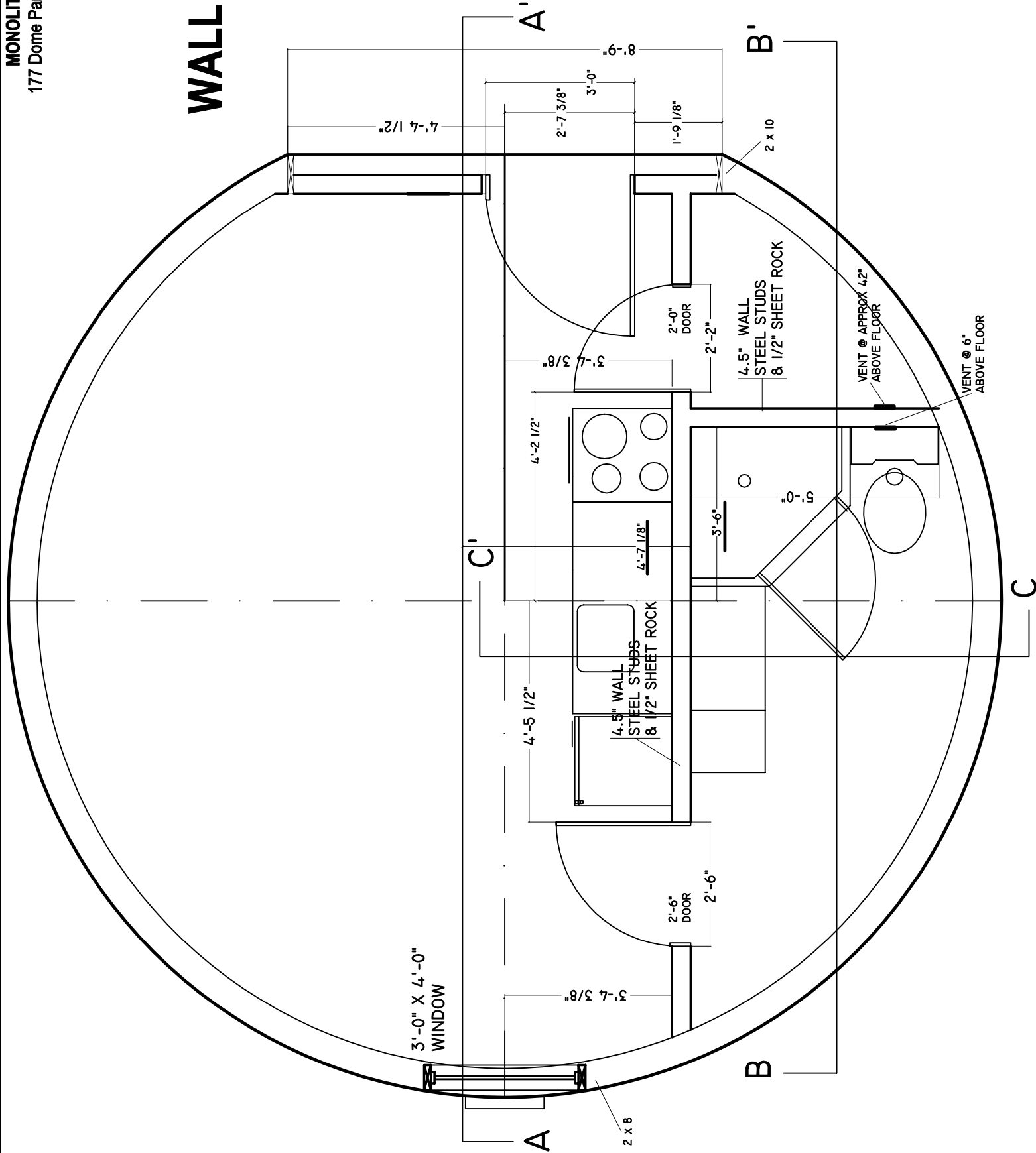


**PLUMBING ROUGH IN
 (LINEAR METHOD)**



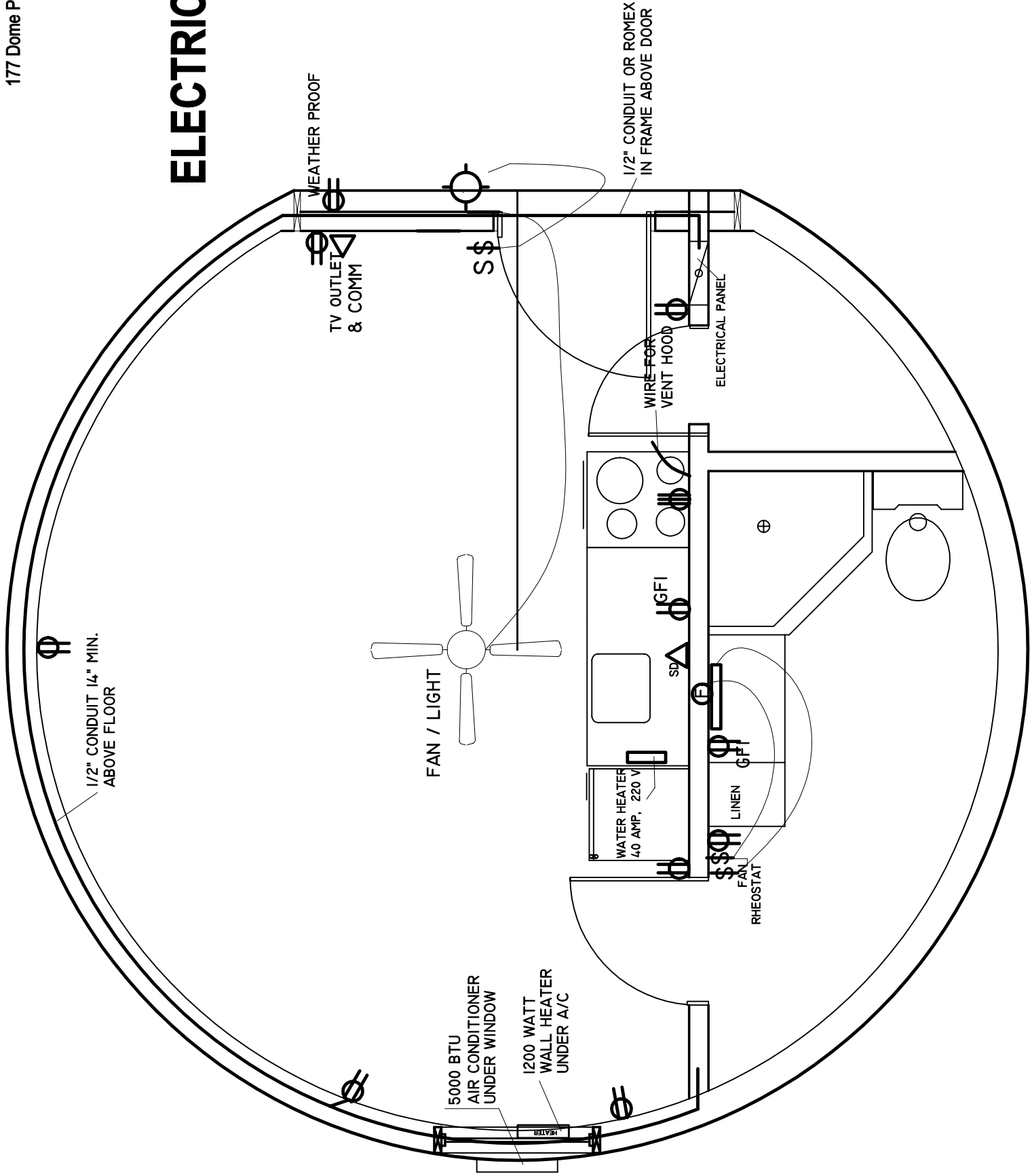
PAGE 8 WALL LAYOUT

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



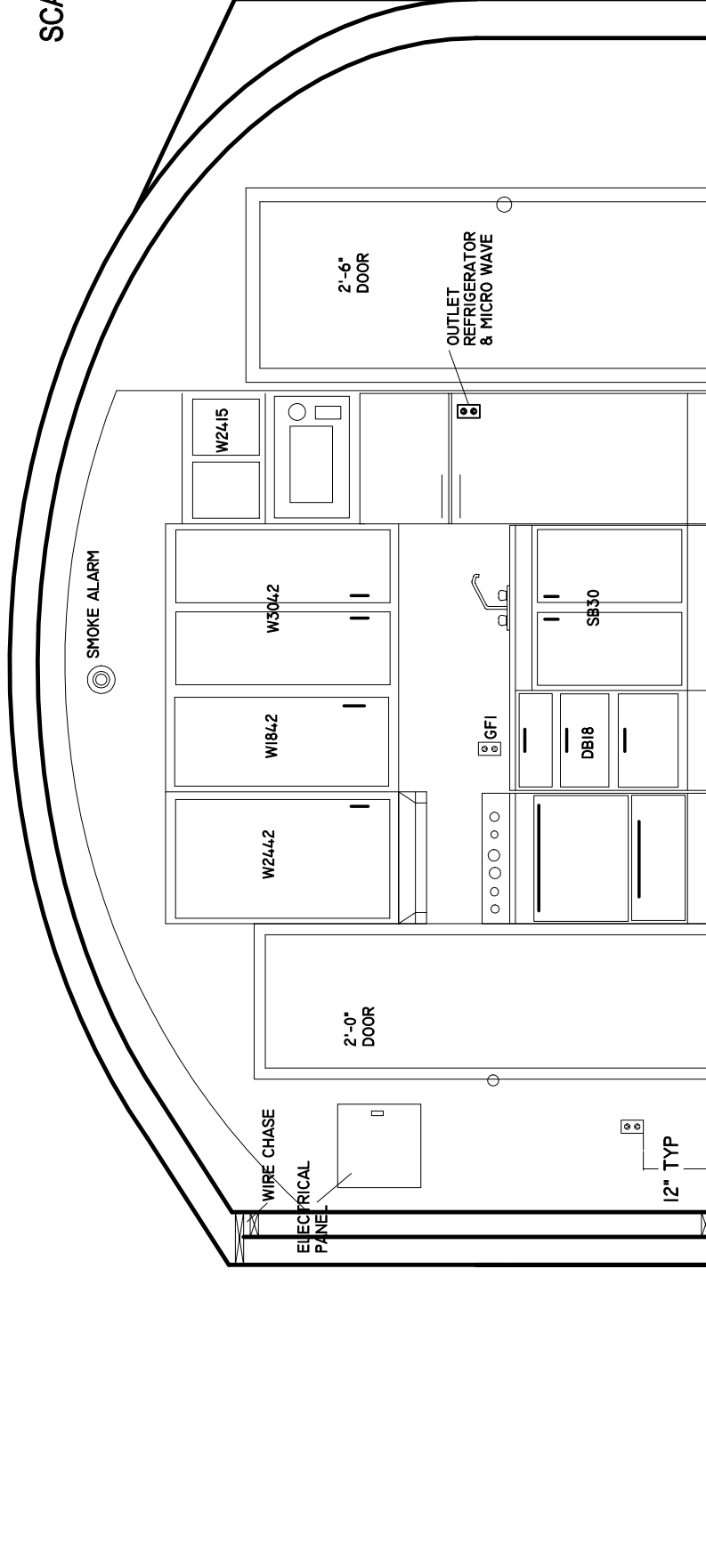
PAGE 9 ELECTRICAL PLAN

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



PAGE 10 SECTION A-A'

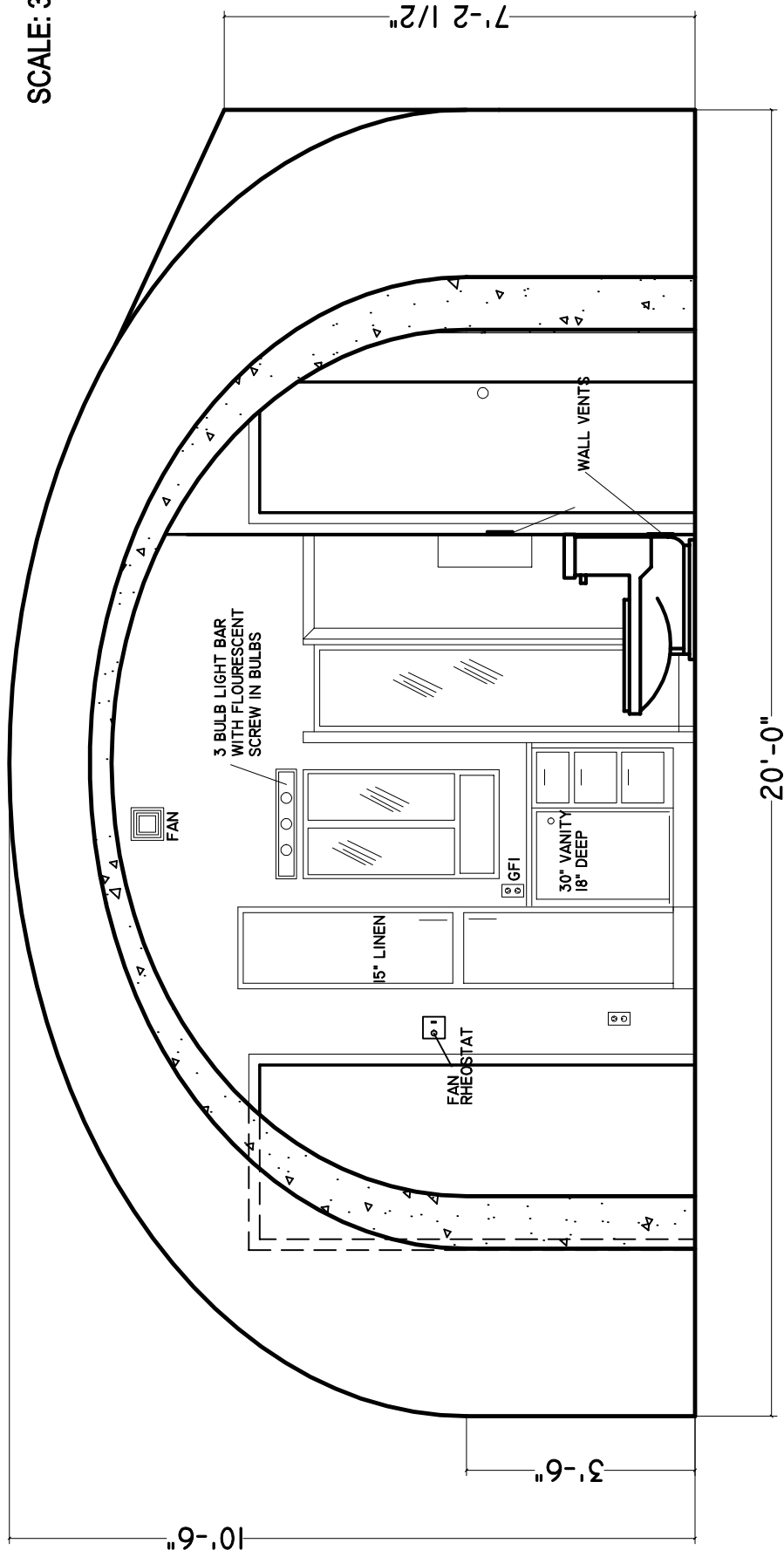
SCALE: 3/8"=1'-0"



PAGE 11

SECTION B-B'

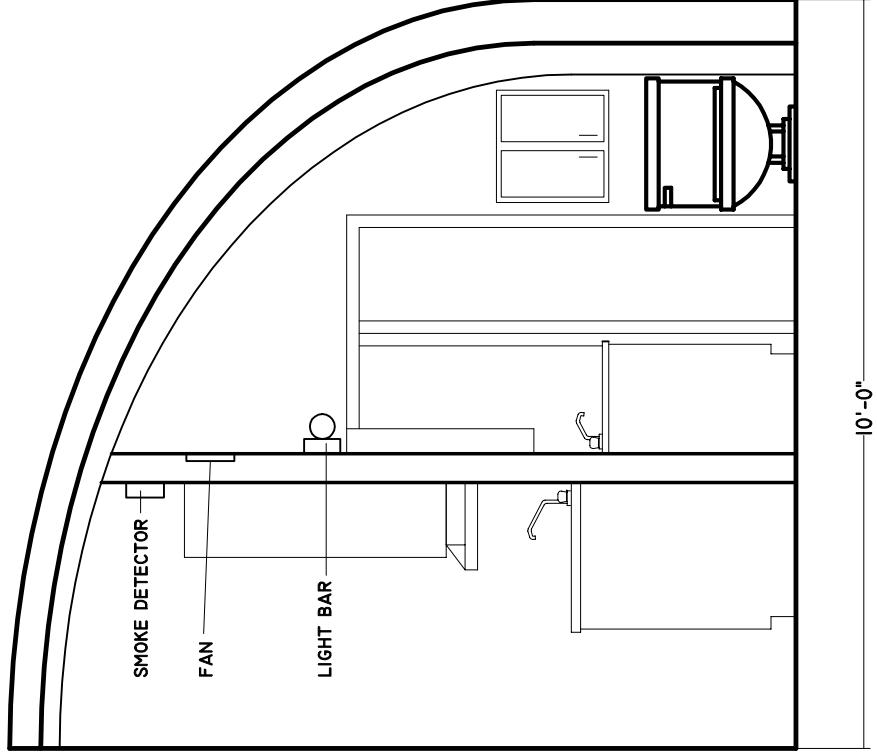
SCALE: 3/8"=1'-0"



PAGE 12

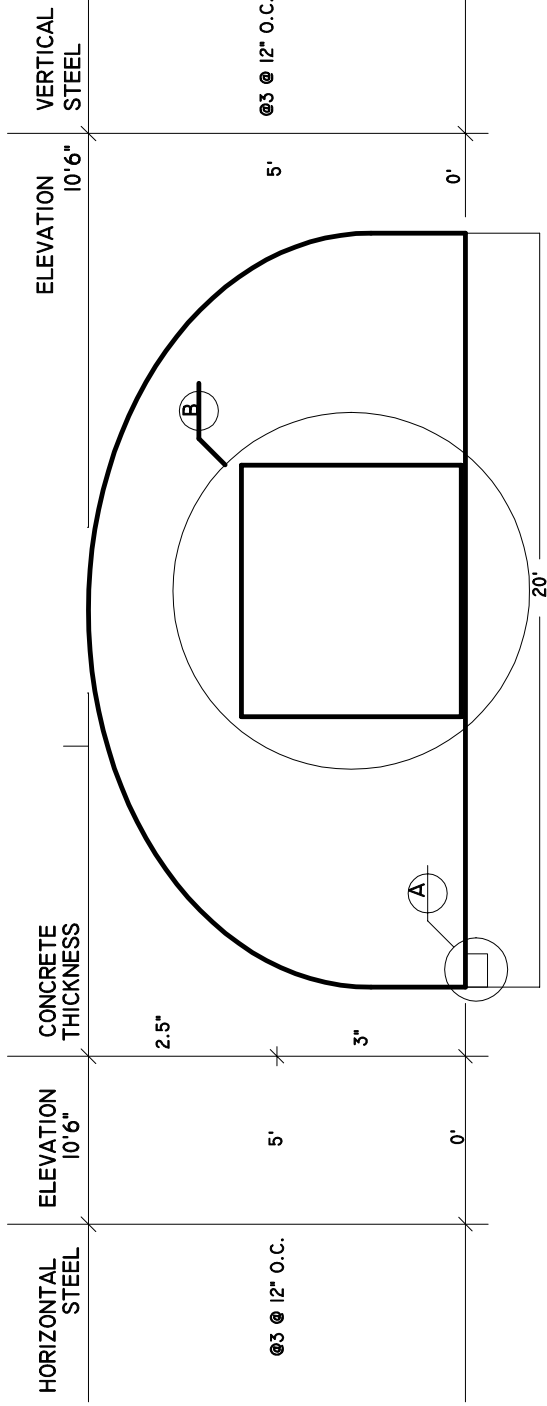
SECTION B-B'

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

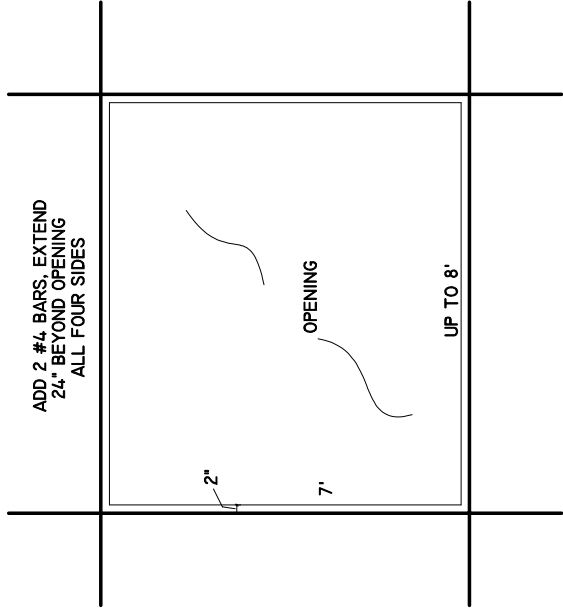


PAGE 13 ENGINEERING

NOT TO SCALE



STEEL SCHEDULE - 20' x 10'6" DOME
NOT TO SCALE



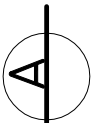
STEEL SCHEDULE - SMALL OPENING
NOT TO SCALE

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 SPLICE 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 SPLICE 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".
- II. STRUCTURE MEETS OR EXCEEDS REQUIREMENTS FOR SIESMIC ZONE 2A

DETAIL - FOOTING

NOT TO SCALE



PAGE 14
FOOTING DETAIL

NOT TO SCALE

