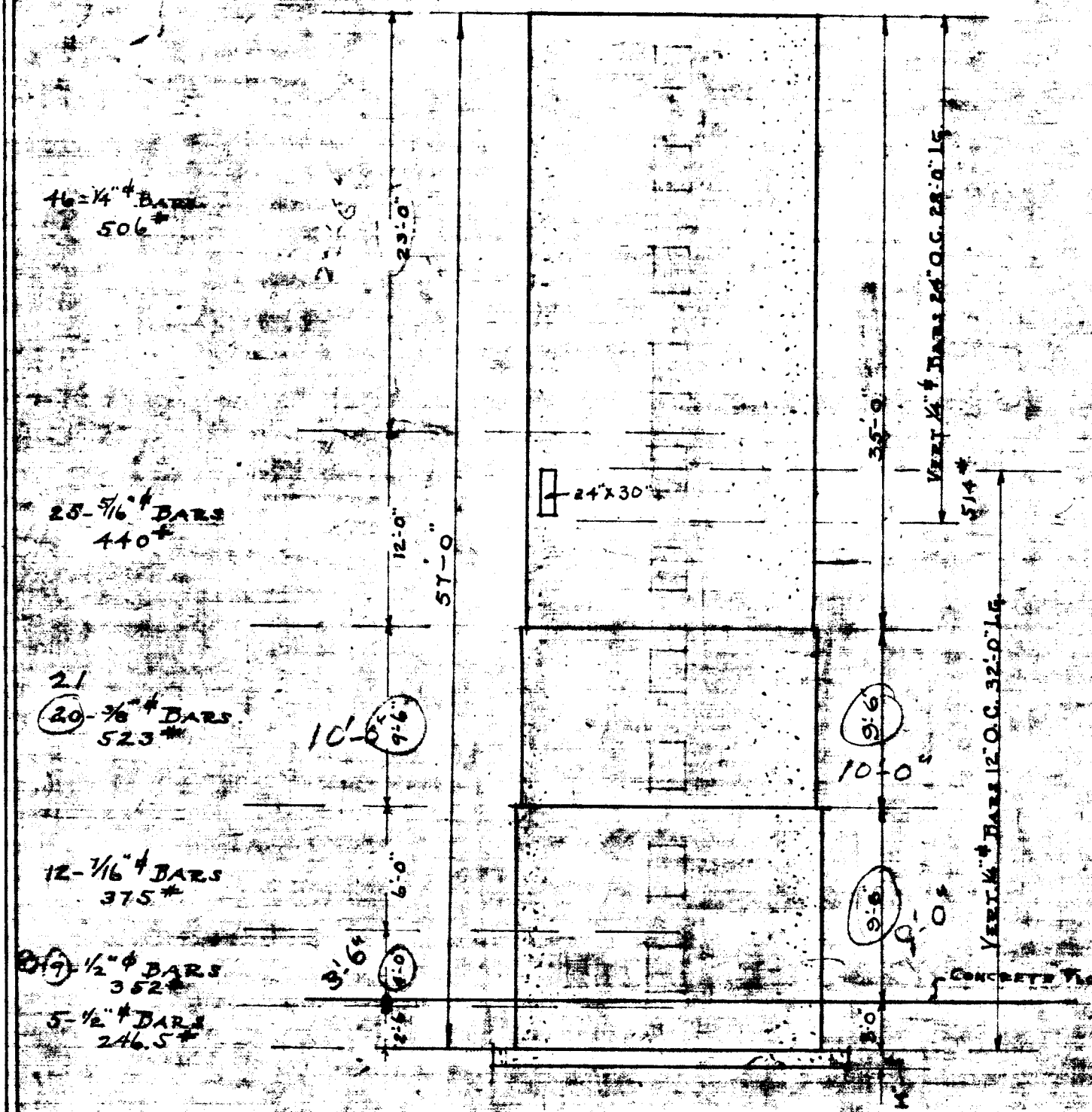


SPECIFICATION.

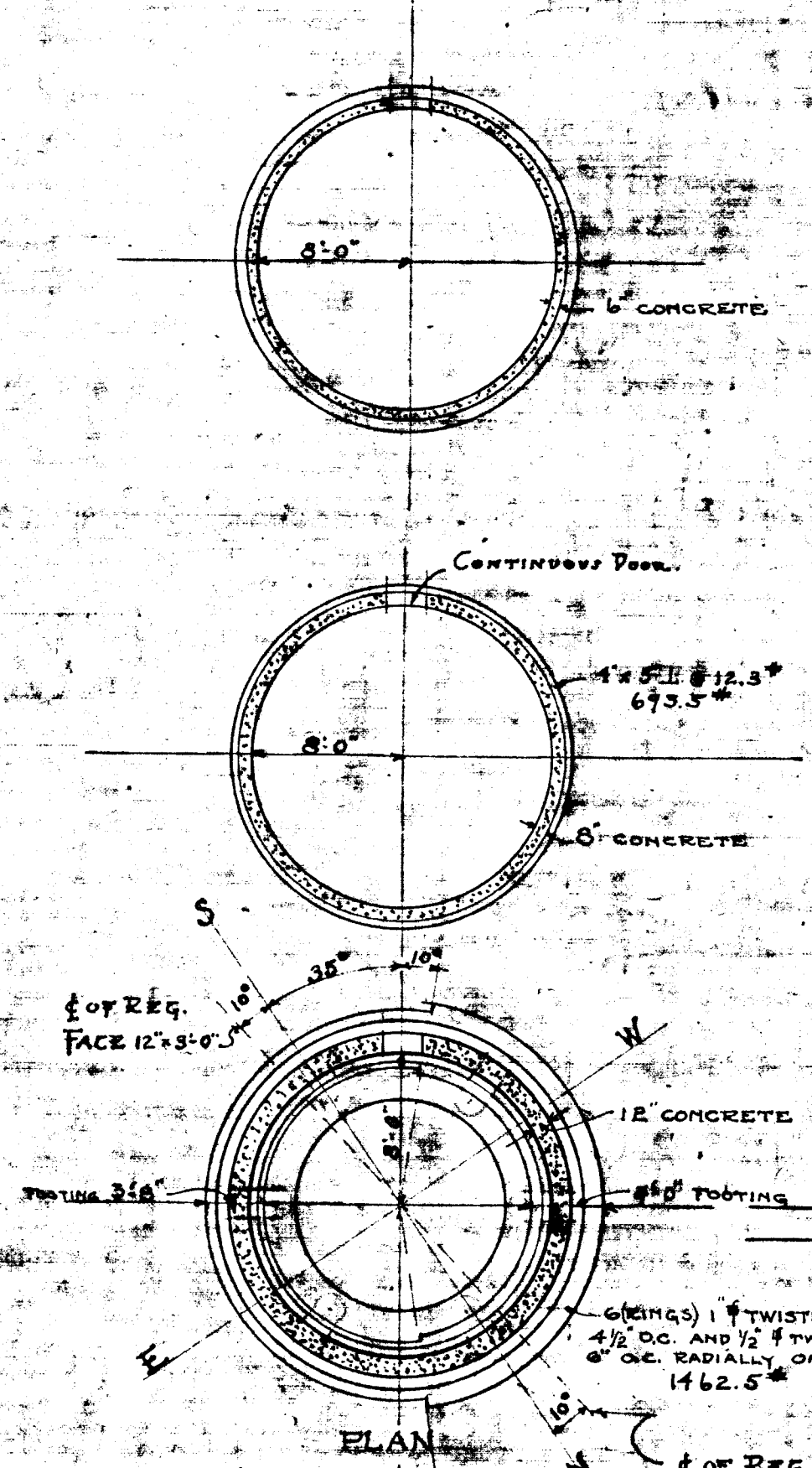
CONCRETE, TO BE 1-2-4 MIX, CLEAN SHARP SAND, 1" CEMENT STONE, ATLAS OR EQUAL CEMENT, TO BE MIXED WET. FIGURE NO TENSION ON CONCRETE.
 STEEL TO BE 60000* ELASTIC LIMIT, OR 16000** SAFE TENSILE STRENGTH. LAP ALL BARS AT LEAST 60 DIAMETERS, AND SECURELY WIRE LAP ALL INTERSECTIONS. ALL STEEL TO BE SQUARE TWISTED OR OTHERWISE PERFORMED TO SUIT THE SUPV. ARCHT. CLINTON ELECTRICALLY WELDED WIRE FABRIC MAY BE SUBSTITUTED, ALLOWABLE TENSILE STRENGTH OF 20000** BUT THIS MUST BE CUT AND RUN THROUGH PIPES SAME AS FOR BARS. VERTICAL STEEL TO BE APPROX. 2 1/2" FROM OUTER FACE IN ALL CAVES AND HORIZONTAL STEEL 2" FROM OUTER FACE.
 SOIL PRESSURE FIGURES AT 2500** FOOT.

NOTE.

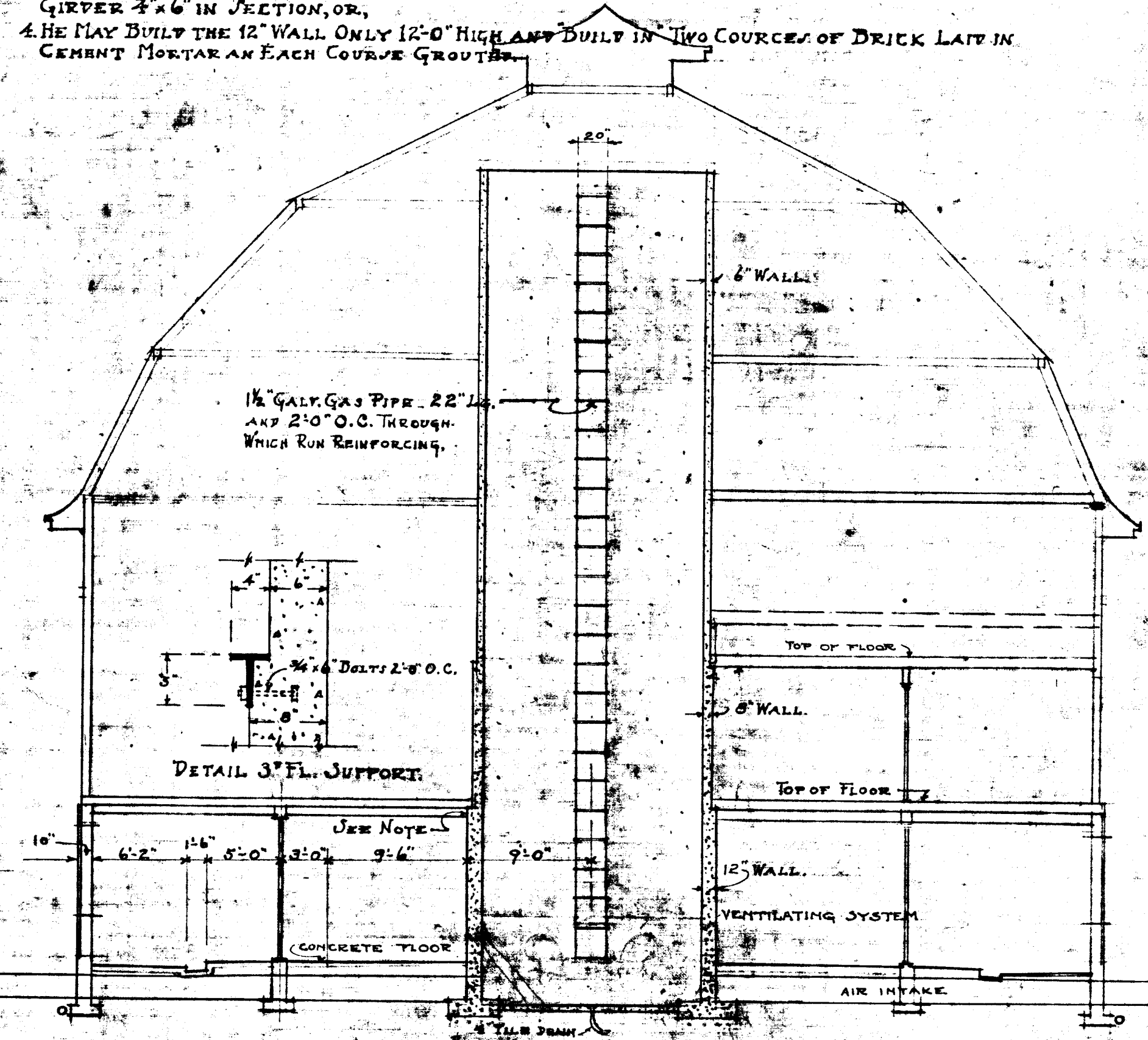
AS A SUGGESTION, IF THE CONTRACTOR CAN NOT DEVISE A MEANS OF MAKING HIS FORMS WORK TO A 12'-6" HEIGHT HE MAY CONSULT WITH THE SUPV. ARCHT. OR MAY USE A METHOD AS FOLLOWS:-
 1. HE MAY BENT A 1/2" x 8" DRESSED BOARD AROUND OUTSIDE OF FORM AT TOP, OR,
 2. HE MAY BENT A PIECE OF SHEET IRON AROUND INSIDE OF FORM AT TOP, OR,
 3. HE MAY BUILD THE 12" WALL ONLY 12'-0" HIGH AND BUILD IN PLACE A CIRCULAR WOODEN GIRDER 3" x 6" IN SECTION, OR,
 4. HE MAY BUILD THE 12" WALL ONLY 12'-0" HIGH AND BUILD IN TWO COURSES OF BRICK LAY IN CEMENT MORTAR AN EACH COURSE GROUTED.



ELEVATION
 HORIZONTAL BARS 6" O.C.
 TOTAL STEEL = 5112.5*



PLAN



SECTION

DRAWINGS SHOWING SILO IN ROUND BARN

UNIVERSITY OF ILLINOIS
 J. B. WHITE
 ARCHT.
 Made by Kell
 Checked by J. B. White
 Approved by J. B. White
 Date 7/2/12.