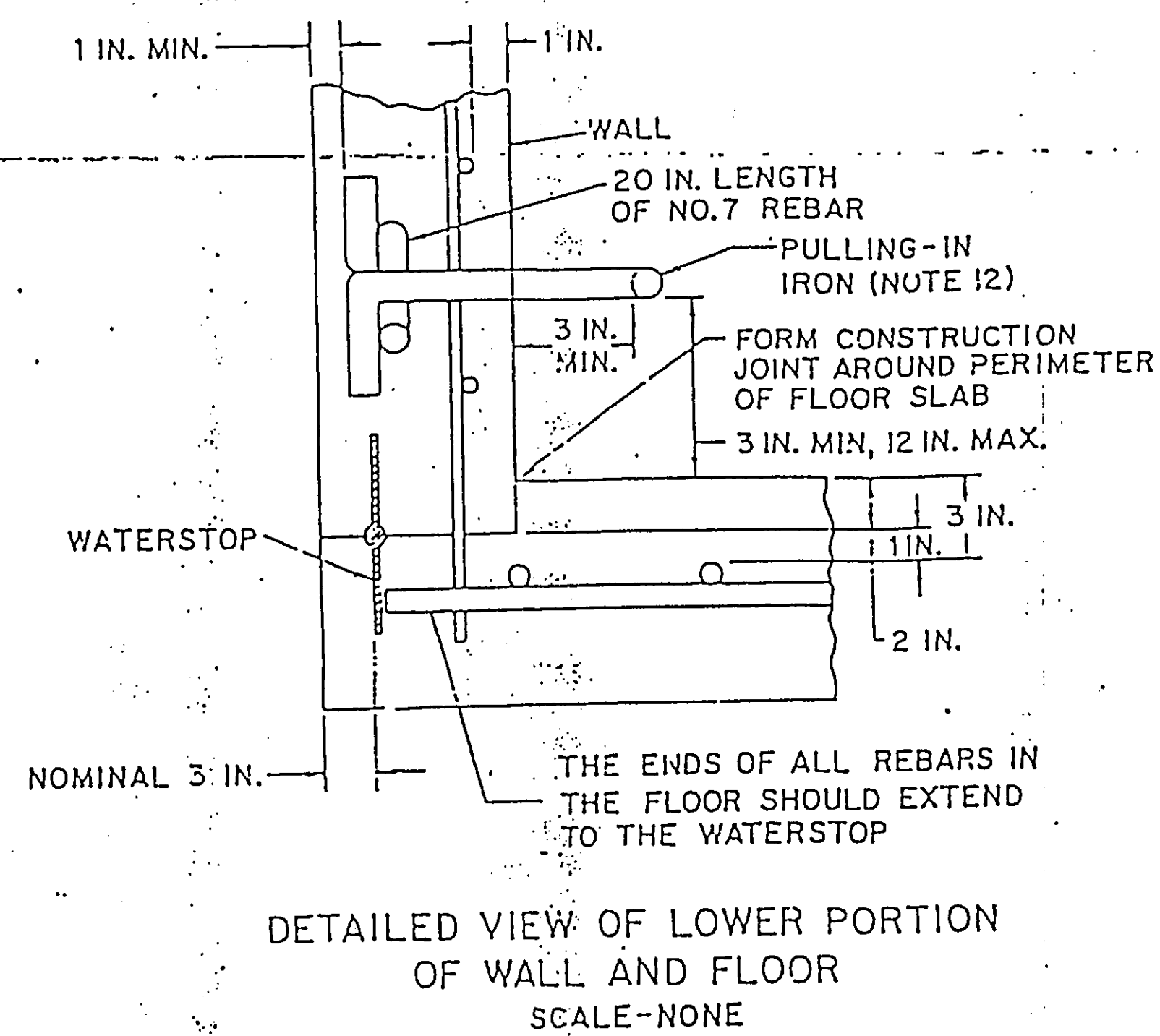


(From Sections 622-505-210, 622-520-100, and 622-020-020)
Also Reference B.S.P. 919-240-300 "underground conduit MHT"

1. Maximum cover - 5 feet.
2. Minimum rebar spacing 4 inches = excluding diagonal and beaming pattern. Rebar requirements shown for each part.
3. "T" (inside) reinforcement must be located nearest the inside surface of the slab - 1 inch minimum form the inside surface of roof and walls - 3 inches for floors.
4. Place #5 rods at roof - wall junctions, floor - wall junctions, and end walls - side wall junctions. These are shown on end wall, roof, and floor details.
5. Walls and roof to be poured in a continuous operation, and all walls to be of the same thickness (be greater of the required thickness).
6. Concrete shall have 4000 PSI compressive strength, 3/4 inch maximum aggregate size, 2-4 inch slump, and type I Portland Cement (type III Portland Cement to be used if pouring temperature is below 40 F).
7. Tie rebar with #14 annealed steel wire - Do Not Weld.
8. Inserts to be placed plus or minus 1/16th of an inch of specified locations. Rebars may be slightly shifted to facilitate exact placement.
10. For loading manholes, contractor to place 1/2 inch concrete inserts to roof supports. These to be located 18 to 21 inches from end walls at each end of the manhole, and spaced so that a span between adjacent tie roof supports never exceeds 6 feet. (Allow for minimum 7 foot head room).
11. All main conduit entrances must be recessed a minimum of 3/4 inch from the outside wall to provide a means of keying duct encasement to manhole wall. Brick up all unused portions of duct opening.
12. The ends of all rods (except those in the floor cannot extend to the watertop) must extend to within 1 to 2 inches of an outside surface of the structure.
13. Short lengths of reinforcing rod required to support rump flush with floor during pouring of concrete.

PROPOSED MANHOLE EXPANTION
NUNEX MH #4
7' HEADROOM

PROJECT # 75203
SHEET # 1A

