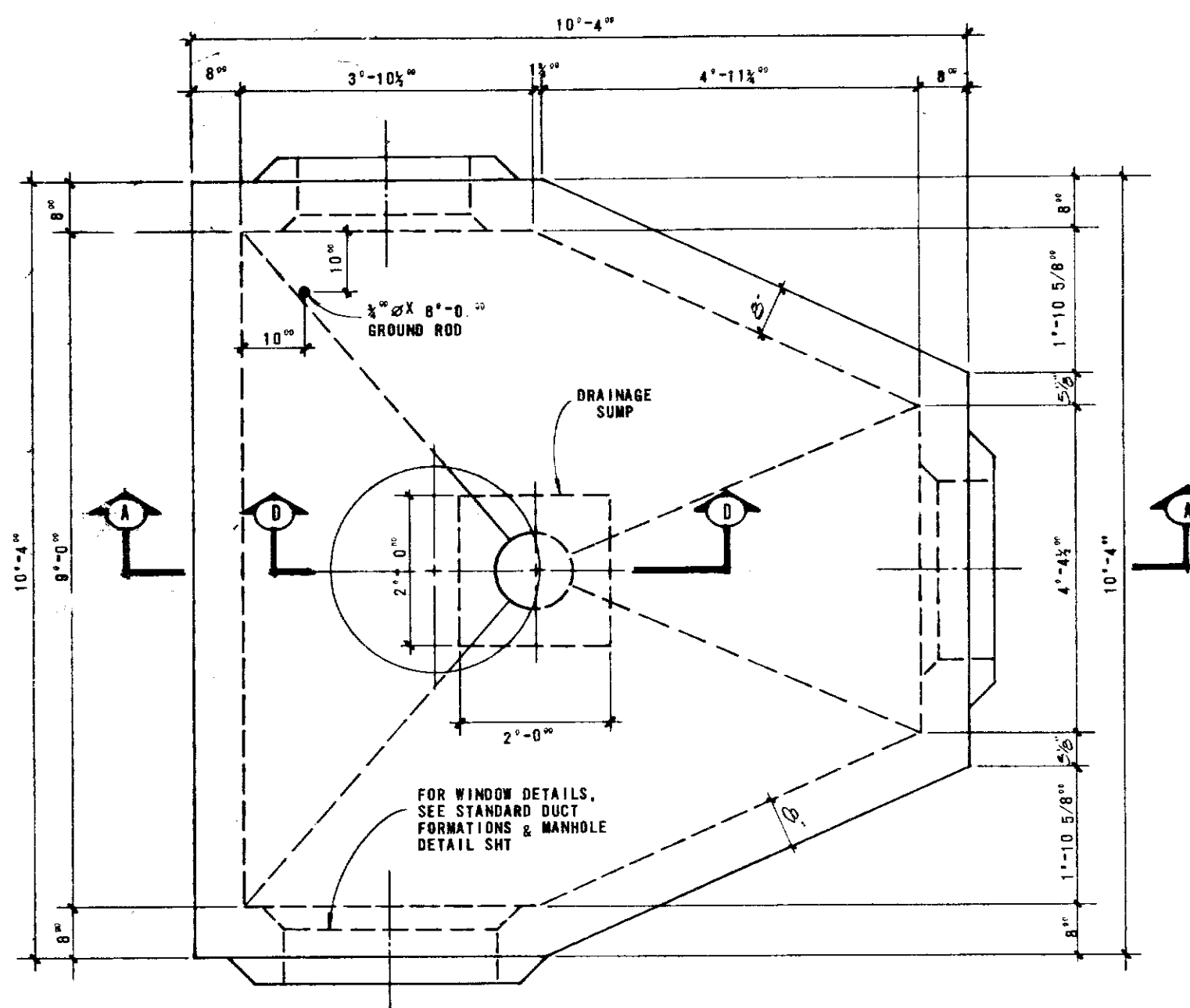
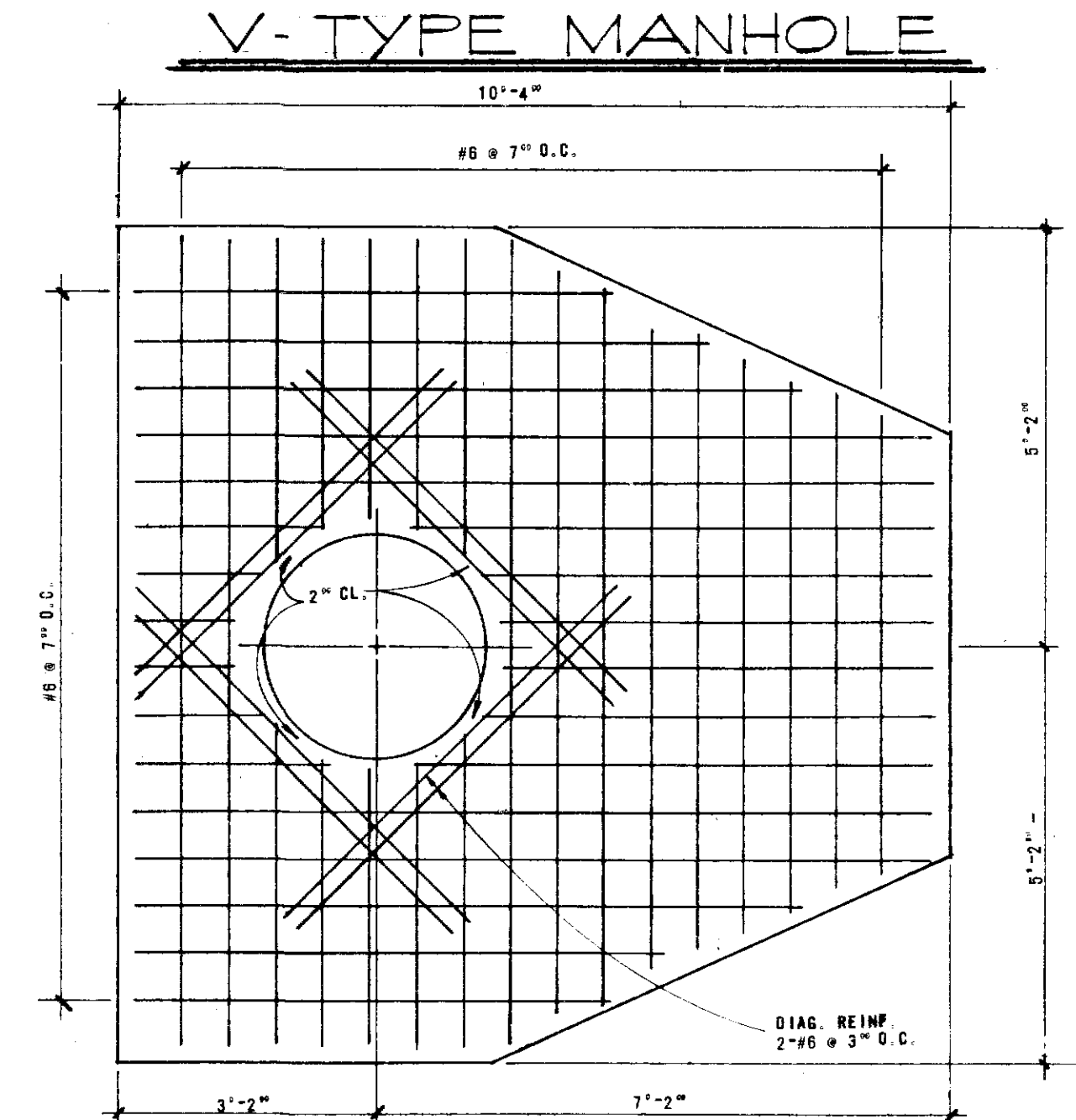
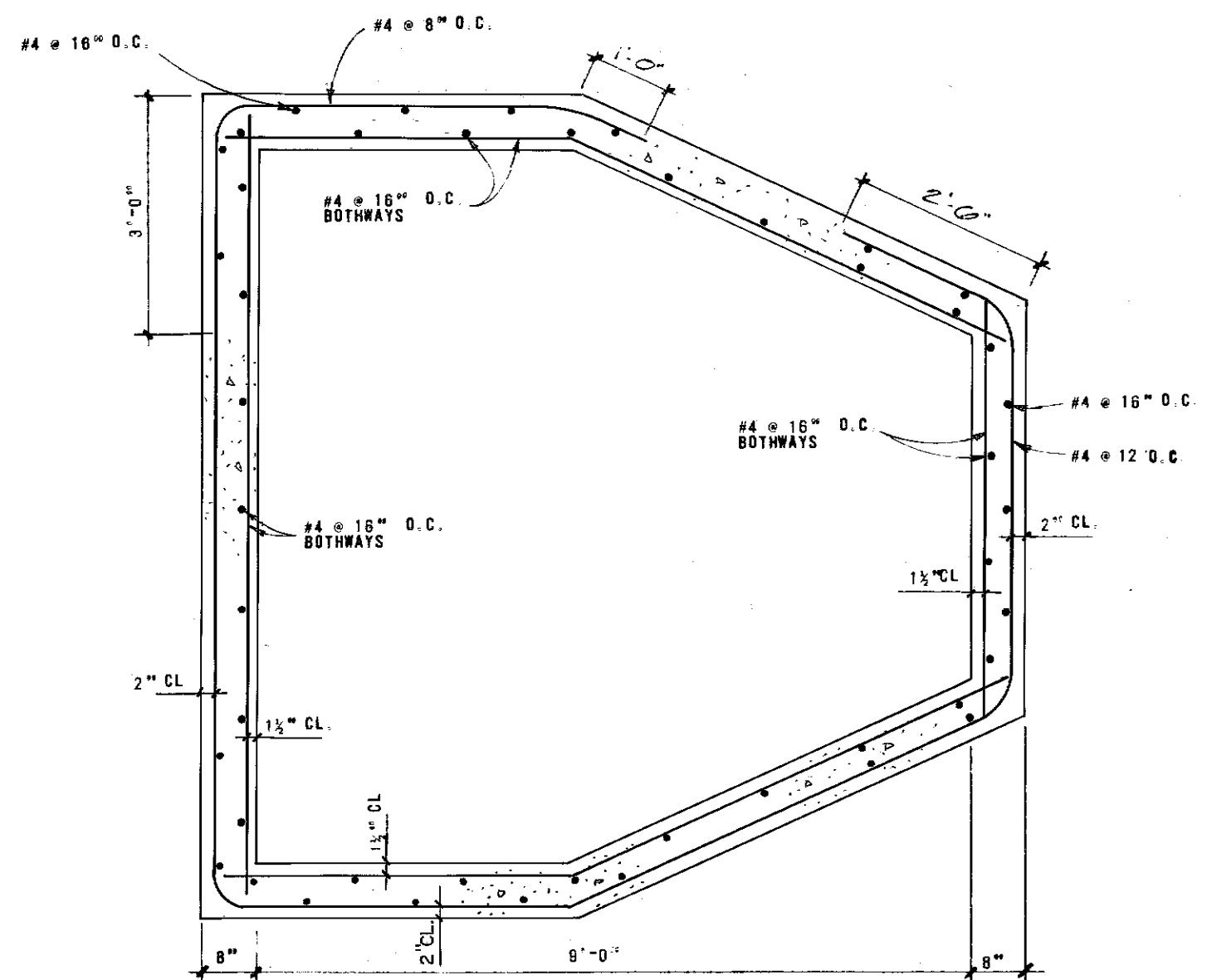




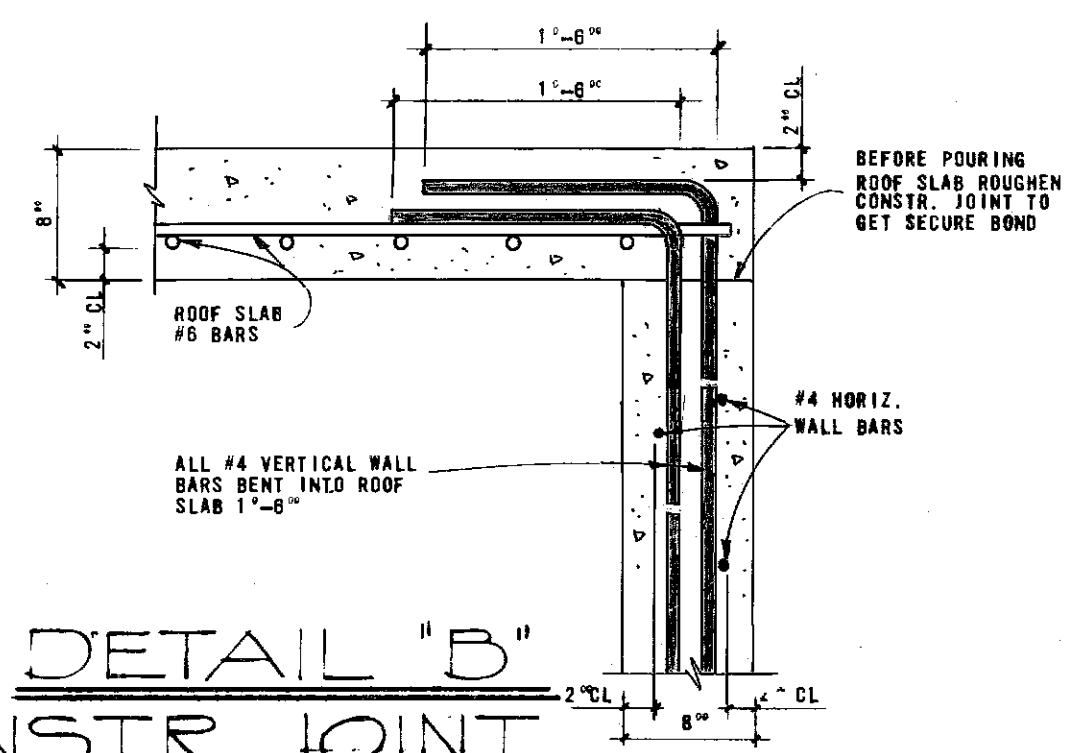
PLAN OF MANHOLE
SCALE: 1/2"=1'-0"



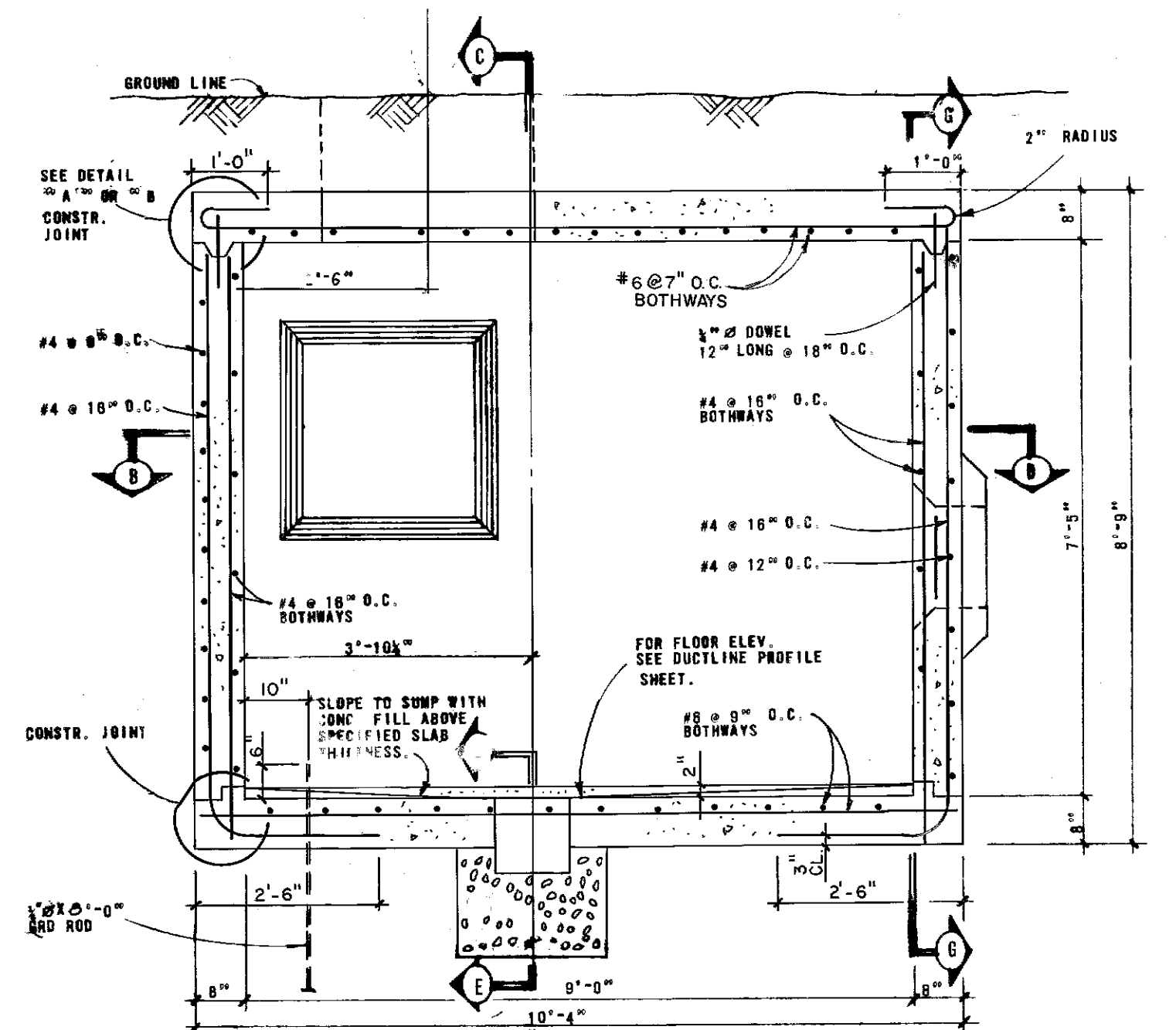
ROOF SLAB REINF. PLAN
SCALE: 1/2"=1'-0"



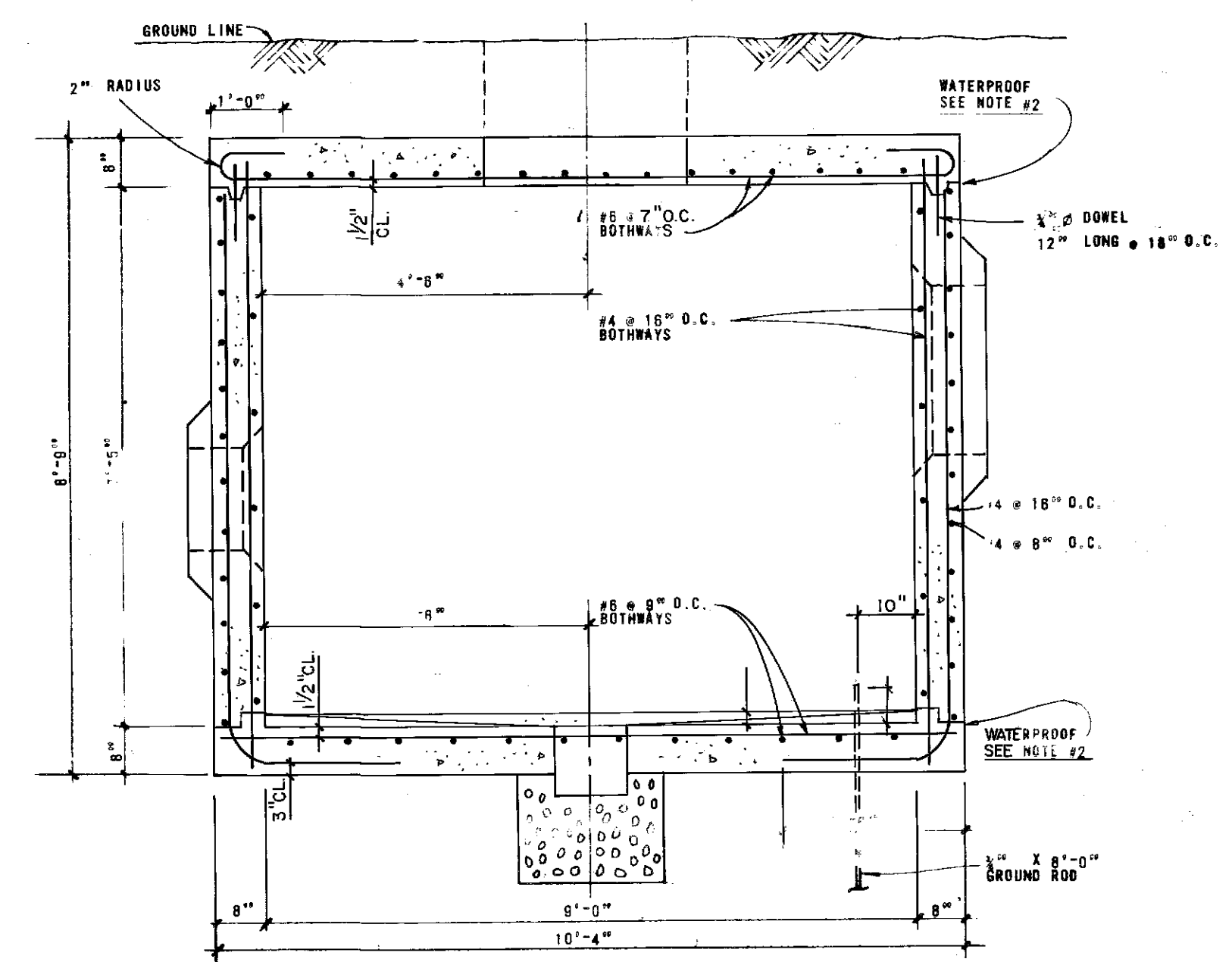
SECTION B-B
SCALE: 1/2"=1'-0"



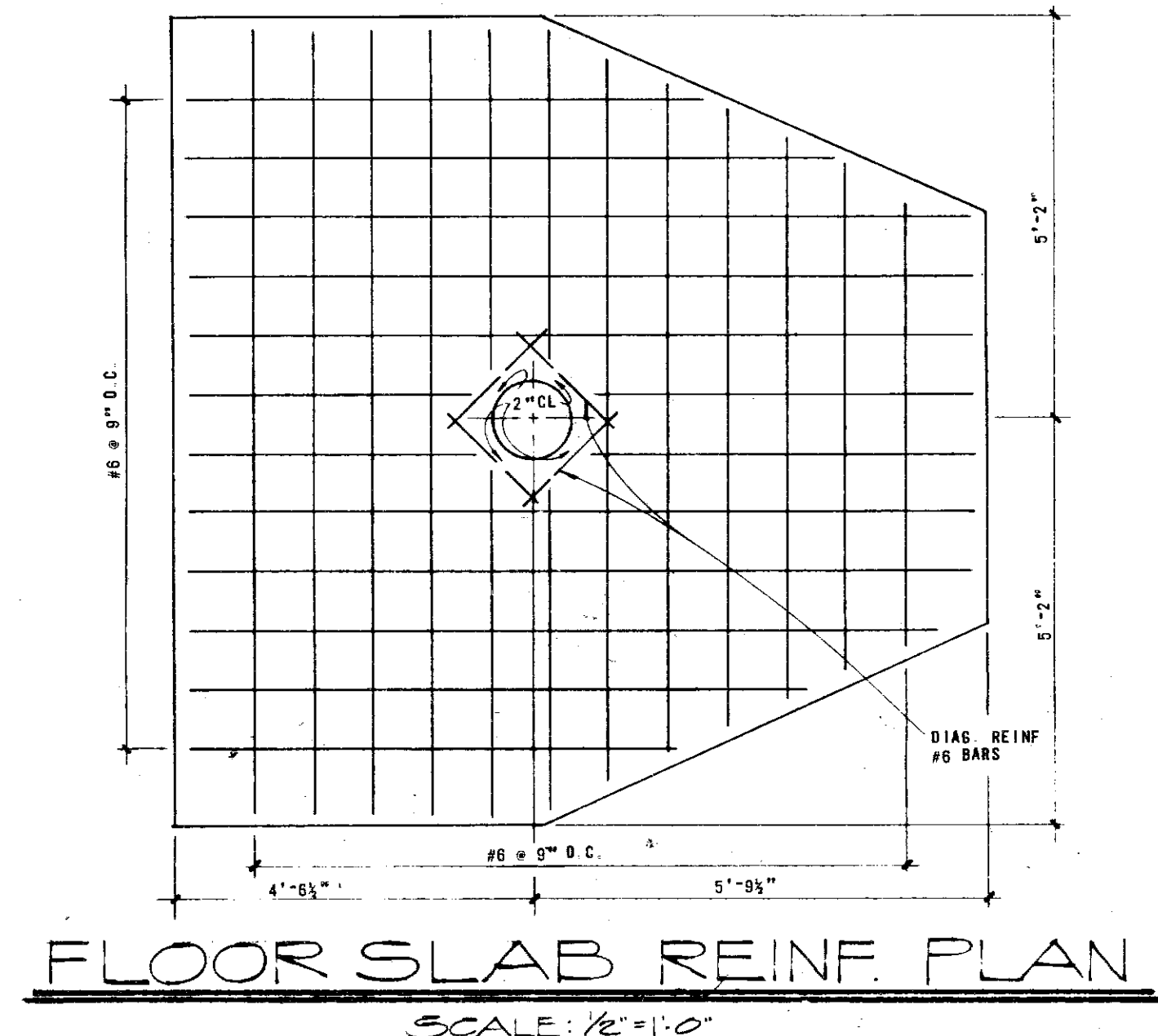
DETAIL "B"
CONSTR. JOINT
SCALE: 1"=1'-0" USE FOR CAST-IN-PLACE CONSTR.



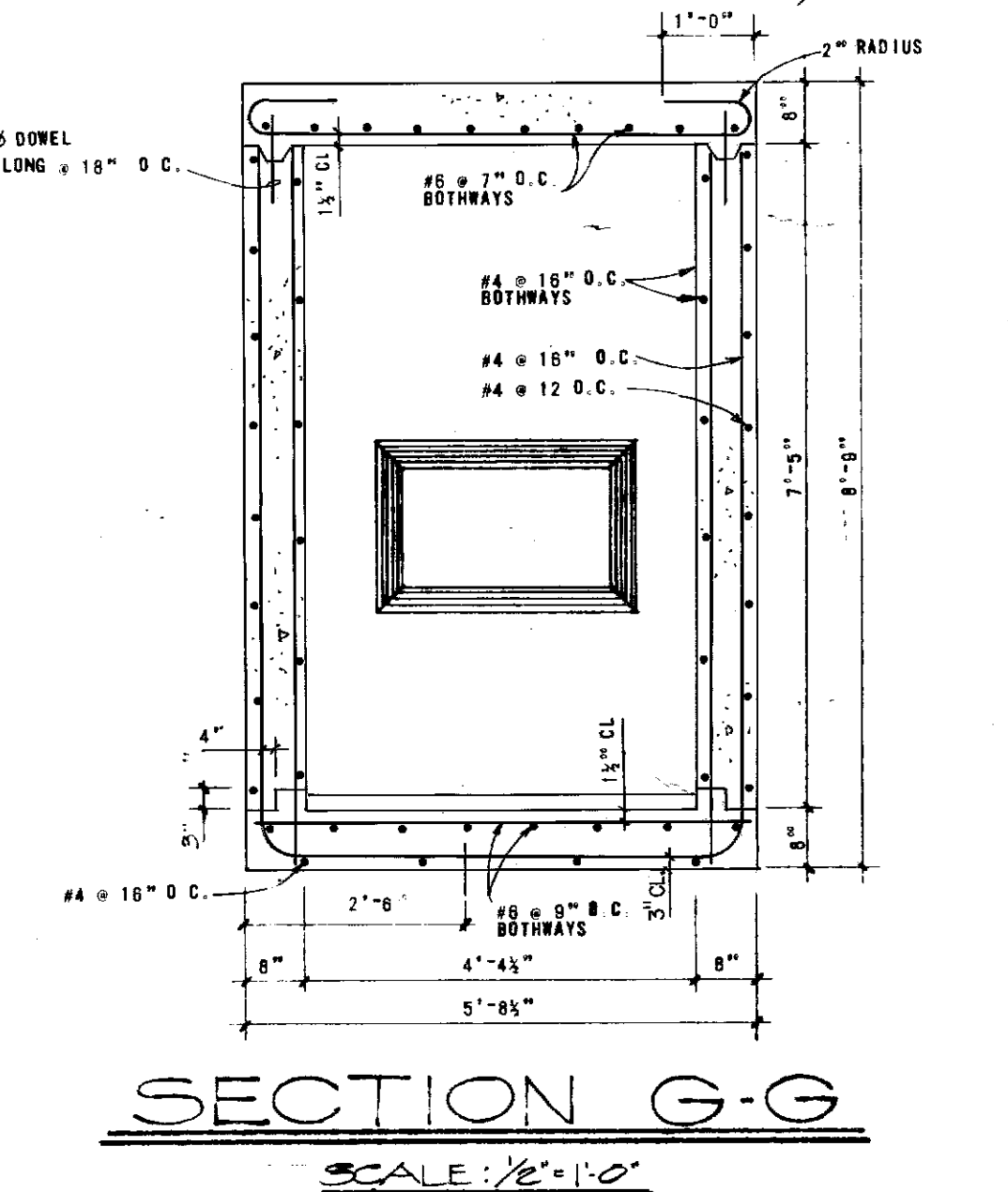
SECTION A-A
SCALE: 1/2"=1'-0"



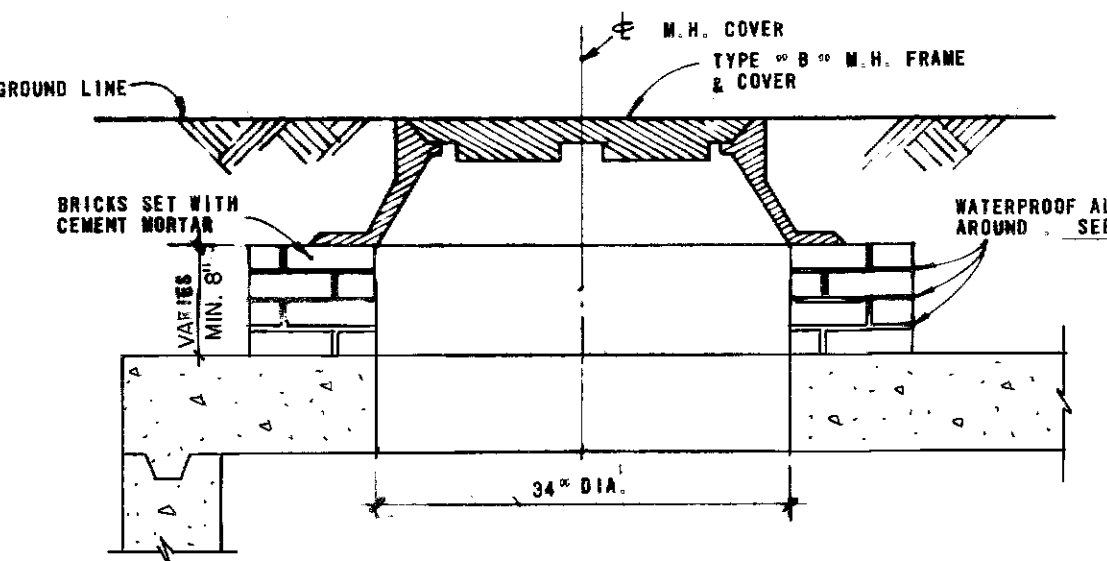
SECTION C-C
SCALE: 1/2"=1'-0"



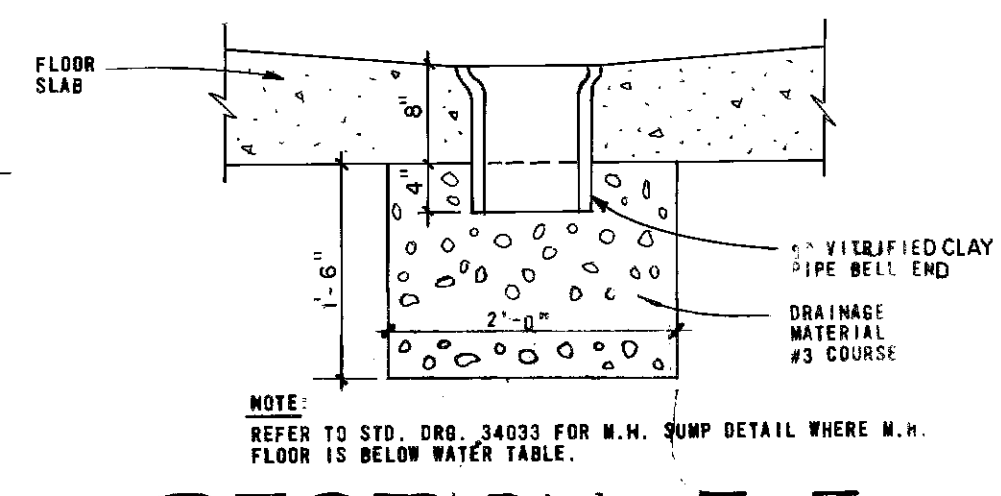
FLOOR SLAB REINF. PLAN
SCALE: 1/2"=1'-0"



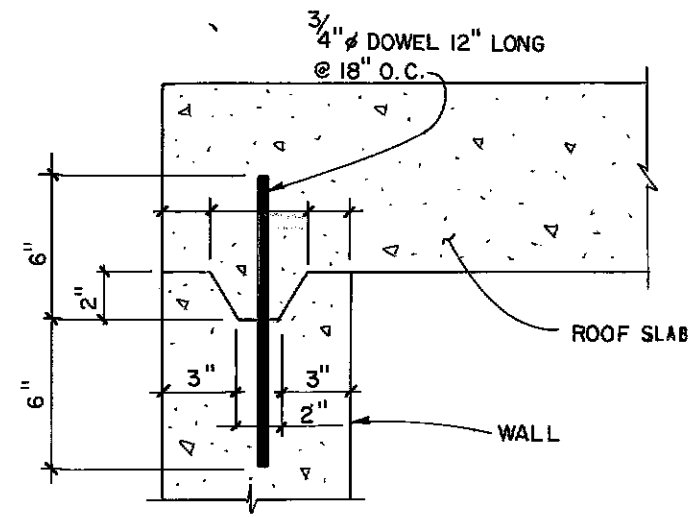
SECTION G-G
SCALE: 1/2"=1'-0"



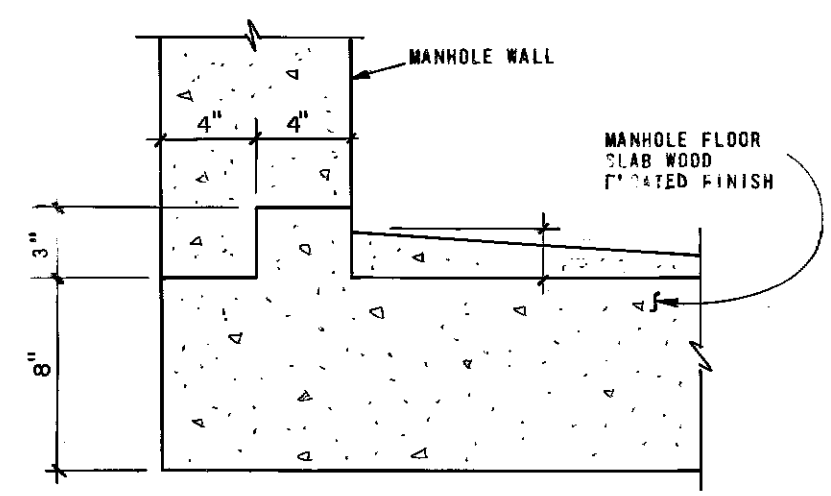
SECTION D-D
MH COVER DETAIL
SCALE: 3/4"=1'-0"



SECTION E-E
SCALE: 3/4"=1'-0"

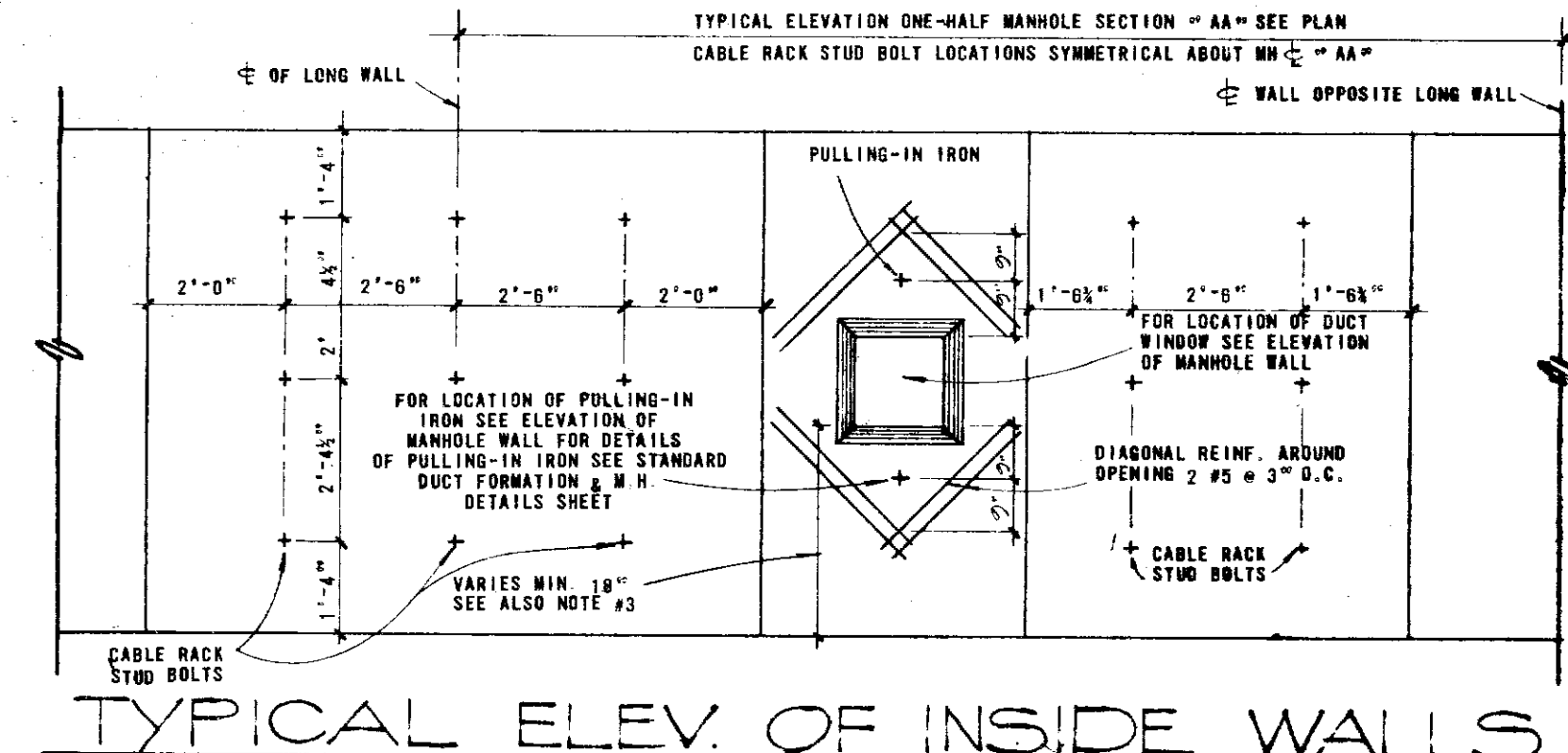


DETAIL "A"
TOP CONSTR. JOINT
SCALE: 1/2"=1'-0"



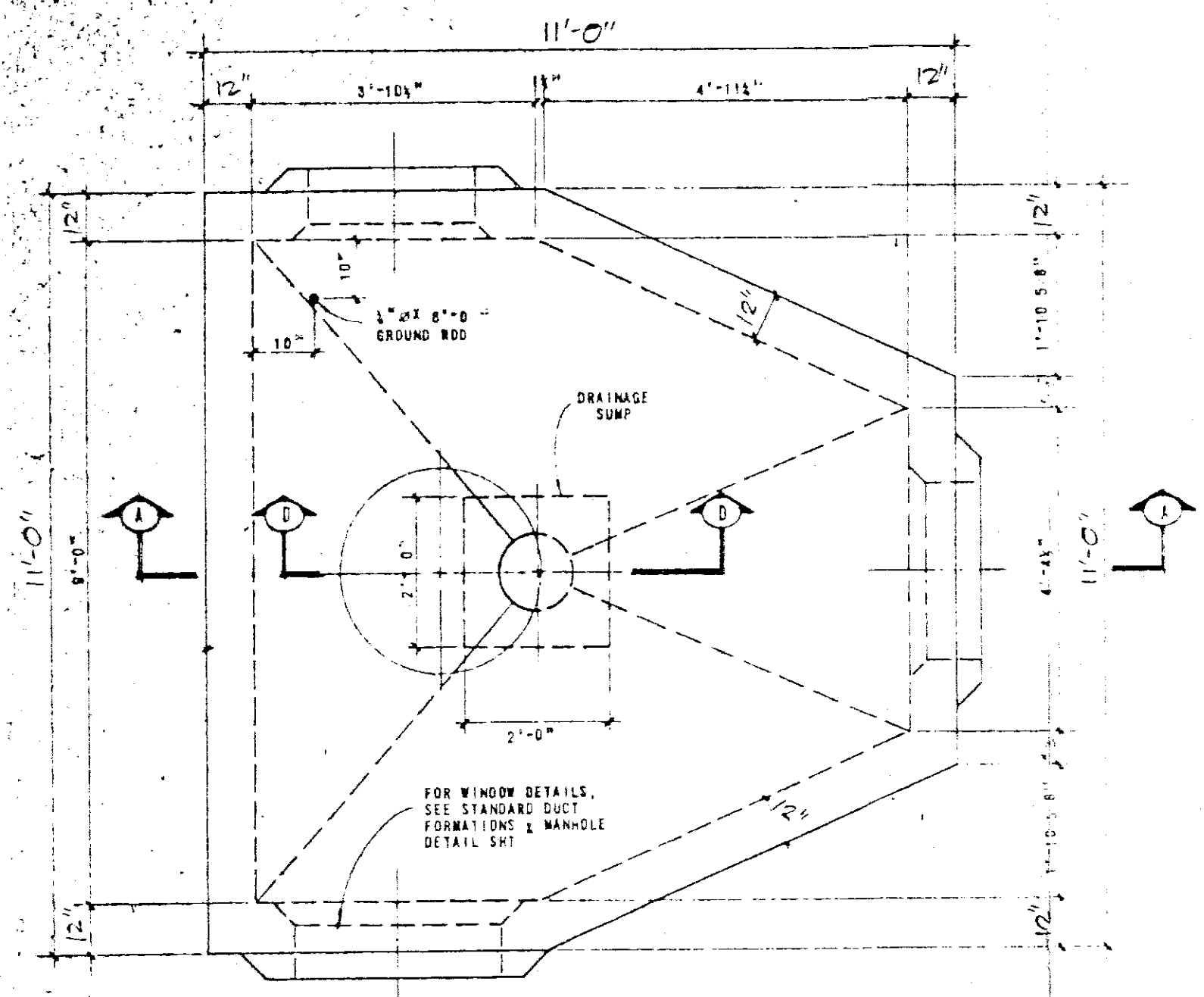
DETAIL "C"
BOTTOM CONSTR. JOINT
SCALE: 1/2"=1'-0"

FOR KALANIANA'OLE HIGHWAY
PROJECT NO. F-072-1(34) ONLY

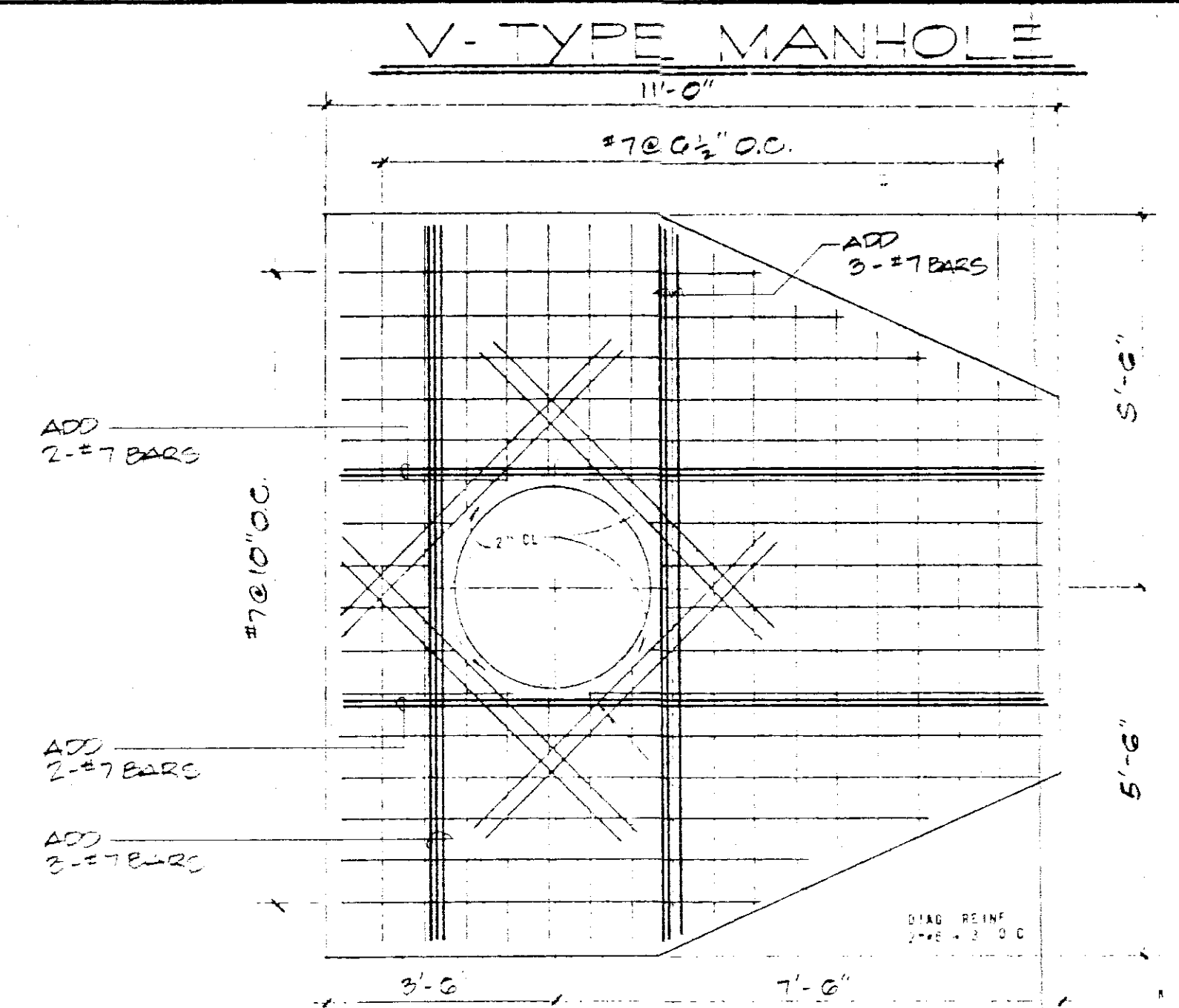


TYPICAL ELEV. OF INSIDE WALLS
SCALE: 3/8"=1'-0"

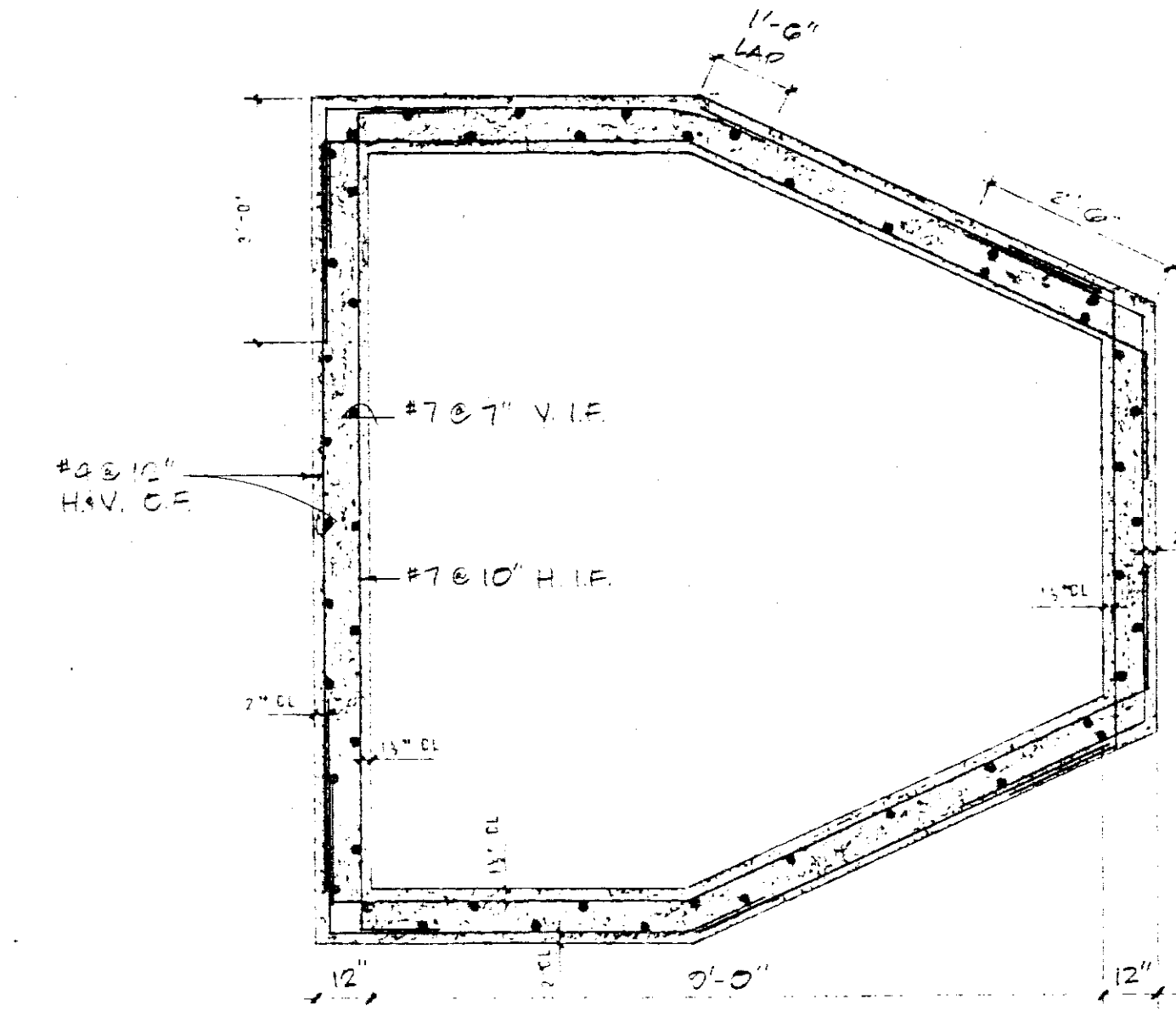
DR. KX	MS	ENG.	DATE 5-8-70
CHK. J. AYRES	JWL		
INDEX	APP'D. R. Man		
HAWAIIAN TELEPHONE COMPANY	HAWAII	SHEET 1 OF 1	34032



PLAN OF MANHOLE
SCALE 1/8"=1'-0"



V-TYPE MANHOLE
SCALE 1/8"=1'-0"



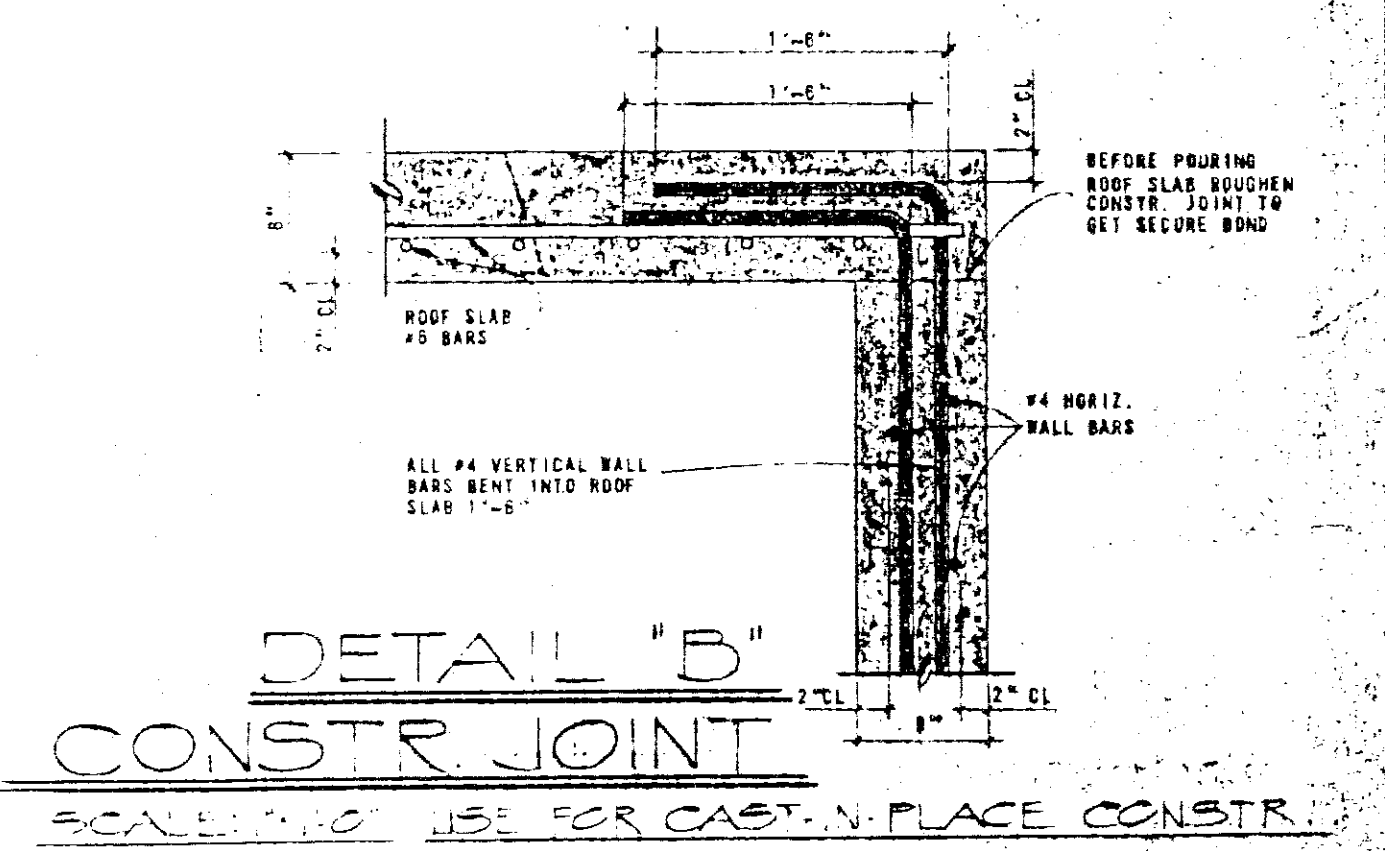
SECTION B-B
SCALE 1/8"=1'-0"

34032

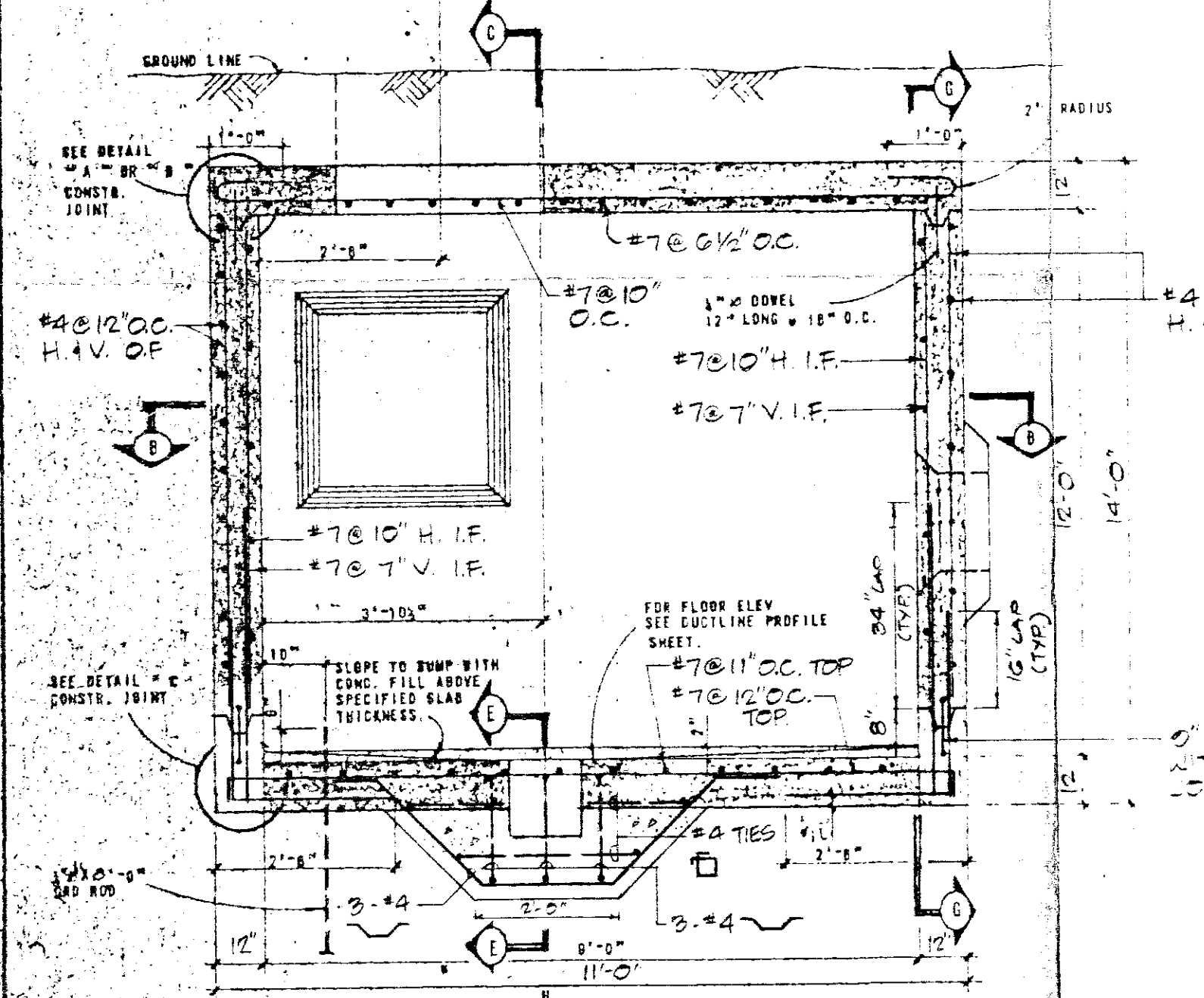
REDRAWN
ADDED DETAIL "B"
SEC. "B"

GENERAL NOTES:

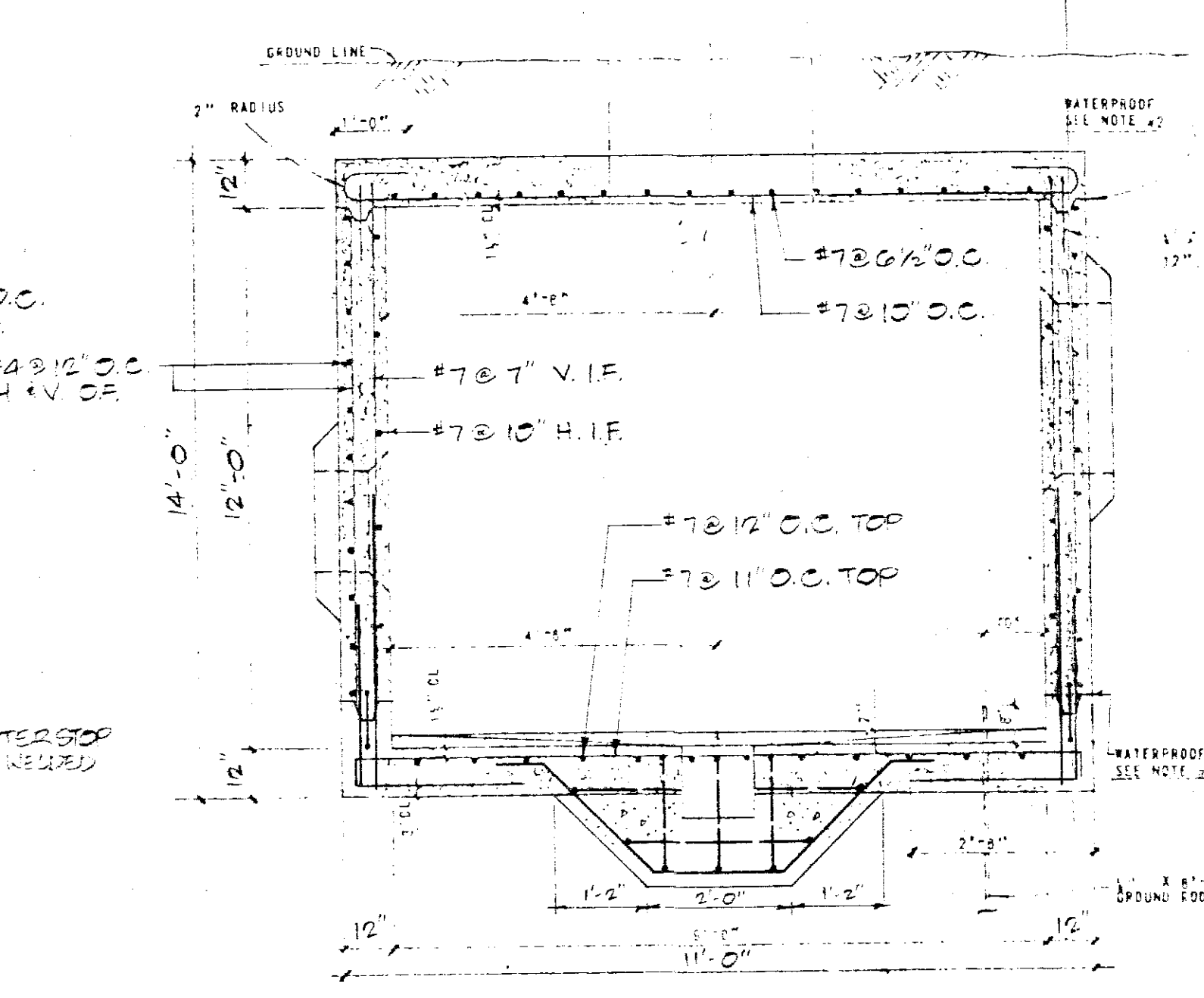
- DESIGN DATA
1. $f_c = 20,000$ PSI
2. $f_s = 30,000$ PSI
3. $f_t = 1,200$ PSI
4. $n = 10$
5. $W =$ EQUIV. FLUID PRESSURE 30 #/FT²
- MINIMUM OVERLAP FOR A LAPPED SPICE SHALL BE 34 BAR DIA. BUT NOT LESS THAN 12". LAP OF ADJACENT BARS SHALL NOT BE IN SAME LOCATION. UNLESS OTHERWISE INDICATED, FOR VERTICAL LOCATION OF DUCT WINDOWS SEE PROFILE SHEET.
- MANHOLE WALLS SHALL BE DOUBLED FORMED.
- ALL CONCRETE SHALL BE CURED BY AN IMPERVIOUS LIQUID MEMBRANE COMPOUND. CONCRETE SHALL NOT BE LOADED, EXCEPT BY ITS OWN WEIGHT, UNTIL 28 DAYS HAVE PASSED SINCE PLACEMENT.
- ALL CONSTRUCTION JOINTS SHALL BE WATERPROOFED WITH TWO APPLICATIONS OF THORO-SEAL OR EQUAL.
- PLUS ALL DUCTS, STUBOUTS.
- CONCRETE SHALL BE CLASS A-1 & SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI IN 98 DAYS WITH A SLUMP OF 3".
- CONCRETE ADMIXTURE SHALL BE 25 LBS. "TRICOSOL" NORMAL " PER CUBIC YARD.
- APPLY DAMPROOFING TO THE SURFACES OF REINFORCED CONCRETE THAT ARE IN CONTACT WITH THE EARTH EXCLUDING THE UNDERSIDE OF THE FLOOR SLAB. MATERIAL AND APPLICATION SHALL BE ACCORDING TO THE 1981 EDITION OF THE "STATE - HIGHWAY DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."



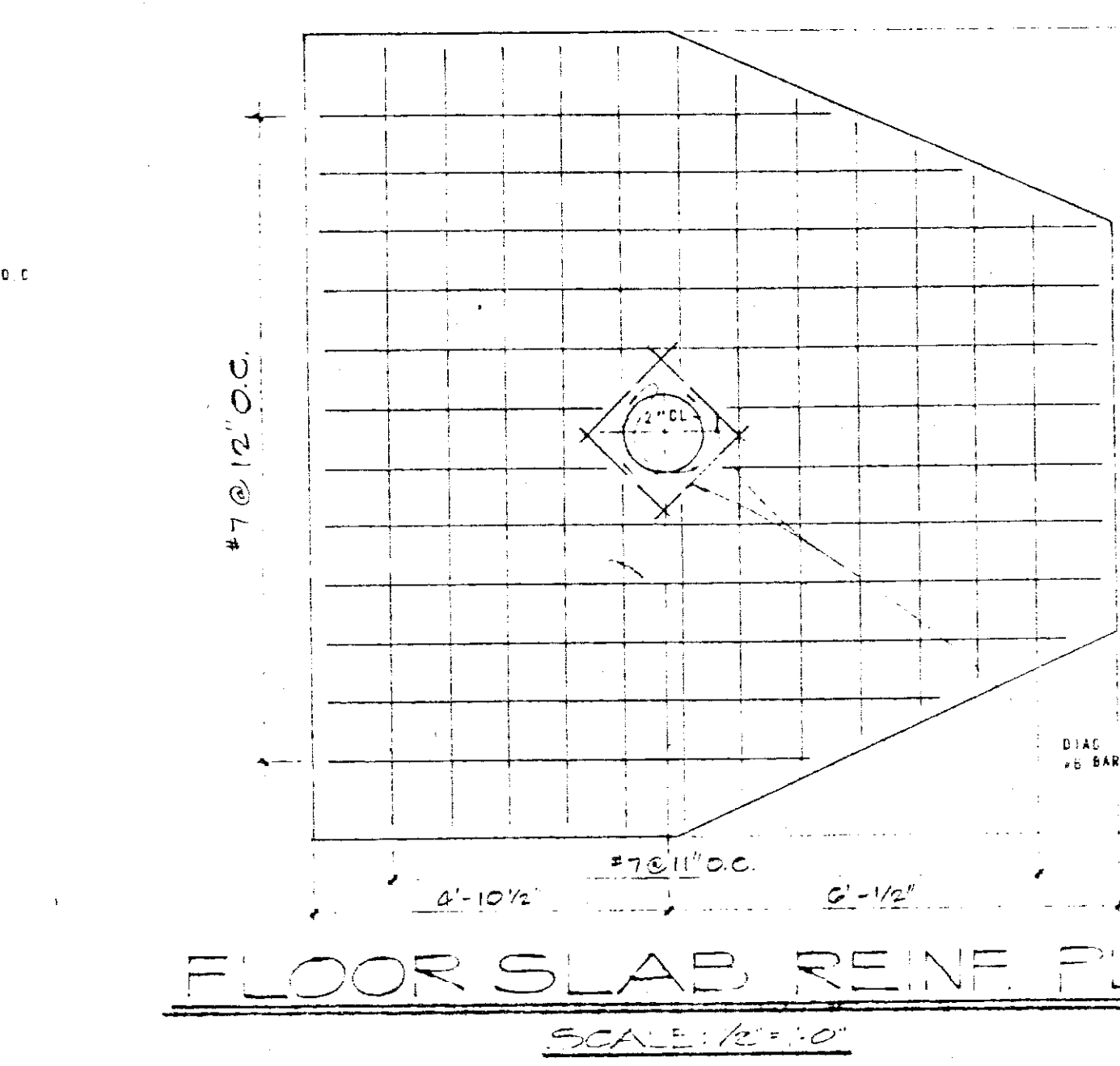
DETAIL "B"
CONSTR. JOINT
SCALE 1/8"=1'-0" USE FOR CAST-IN-PLACE CONSTR.



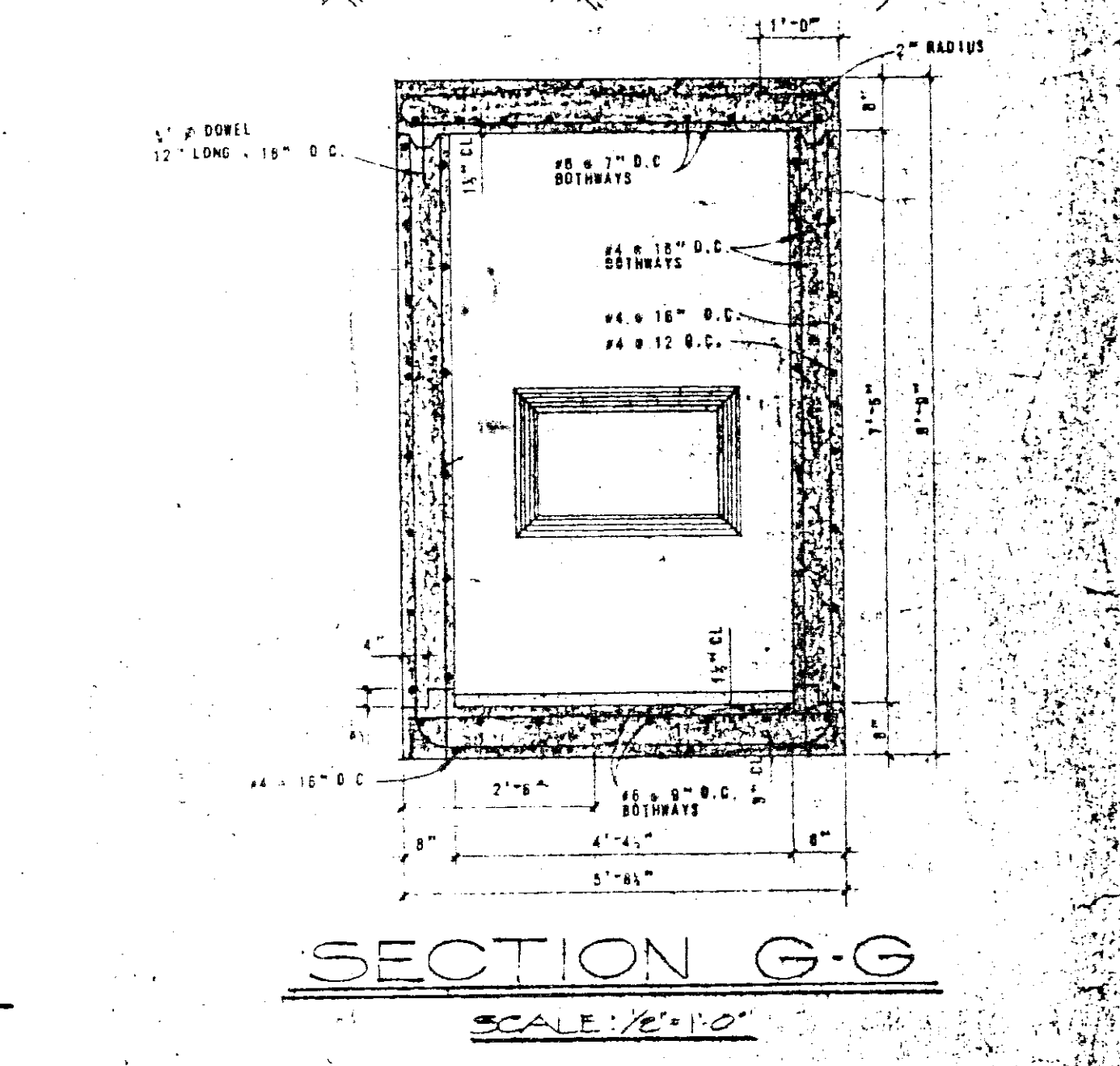
SECTION A-A
SCALE 1/8"=1'-0"



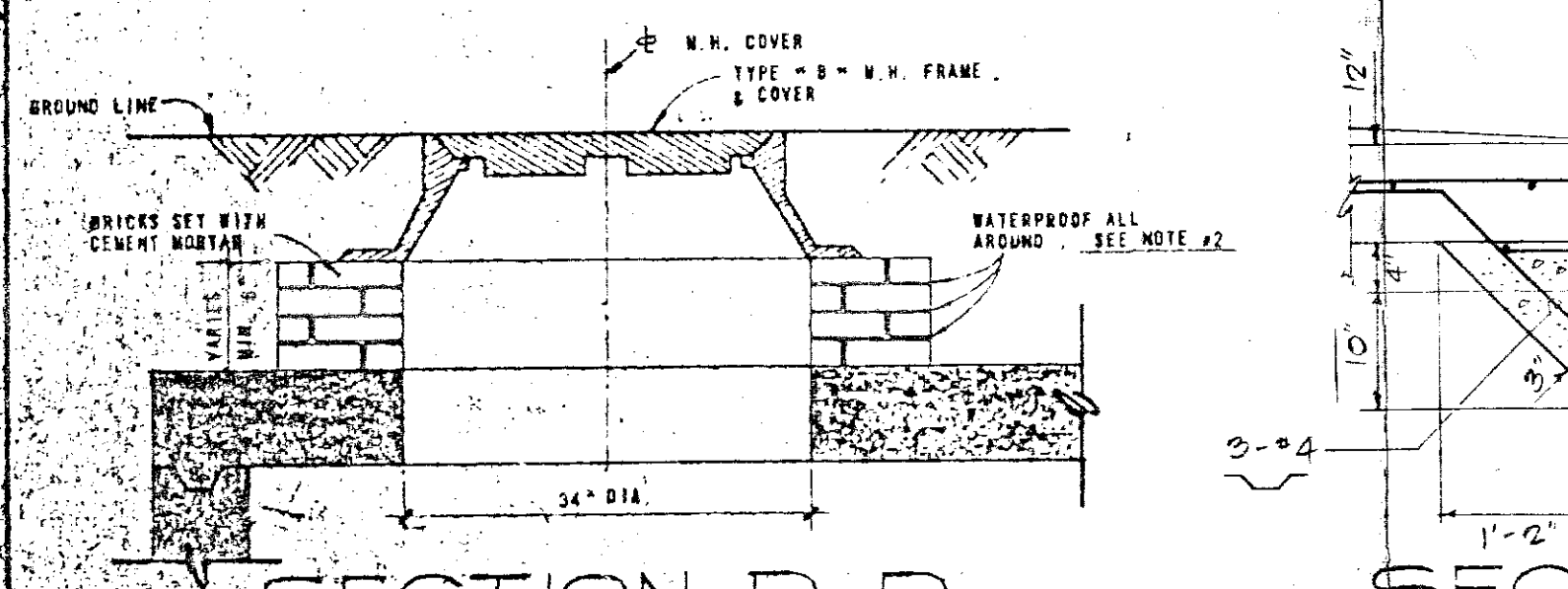
SECTION C-C
SCALE 1/8"=1'-0"



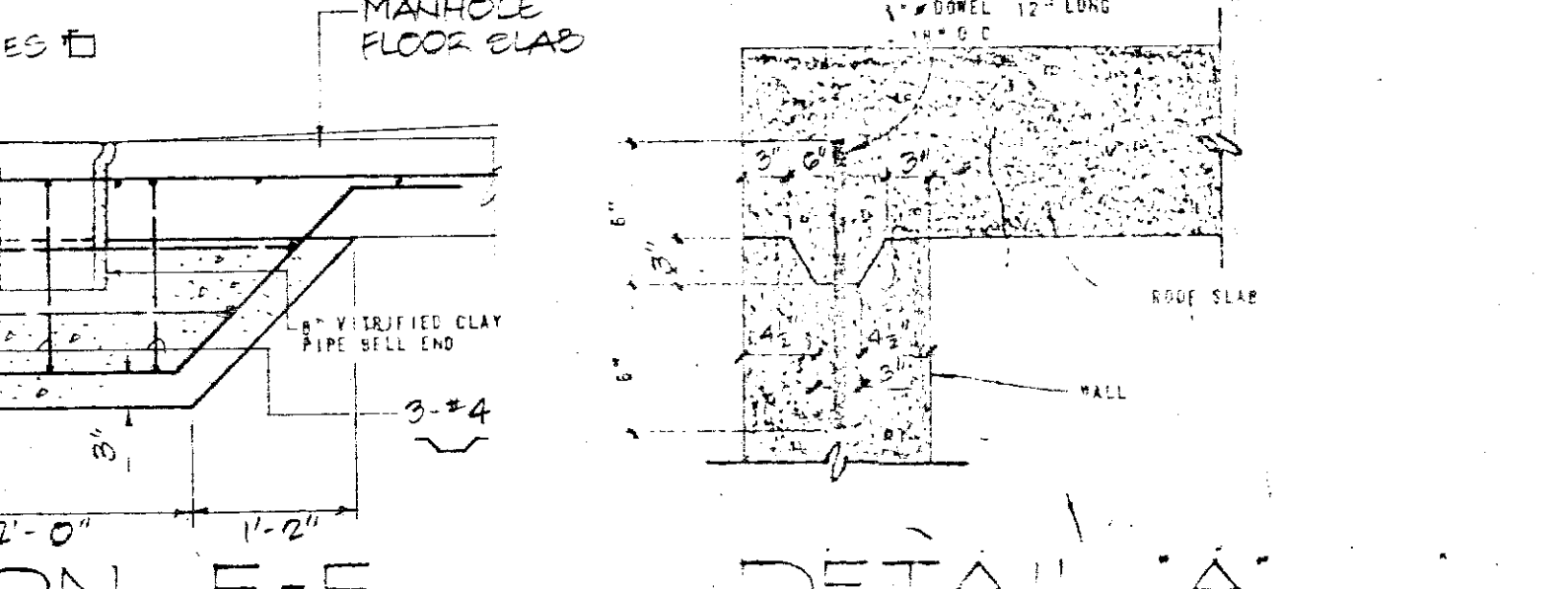
FLOOR SLAB REIN. PLAN
SCALE 1/8"=1'-0"



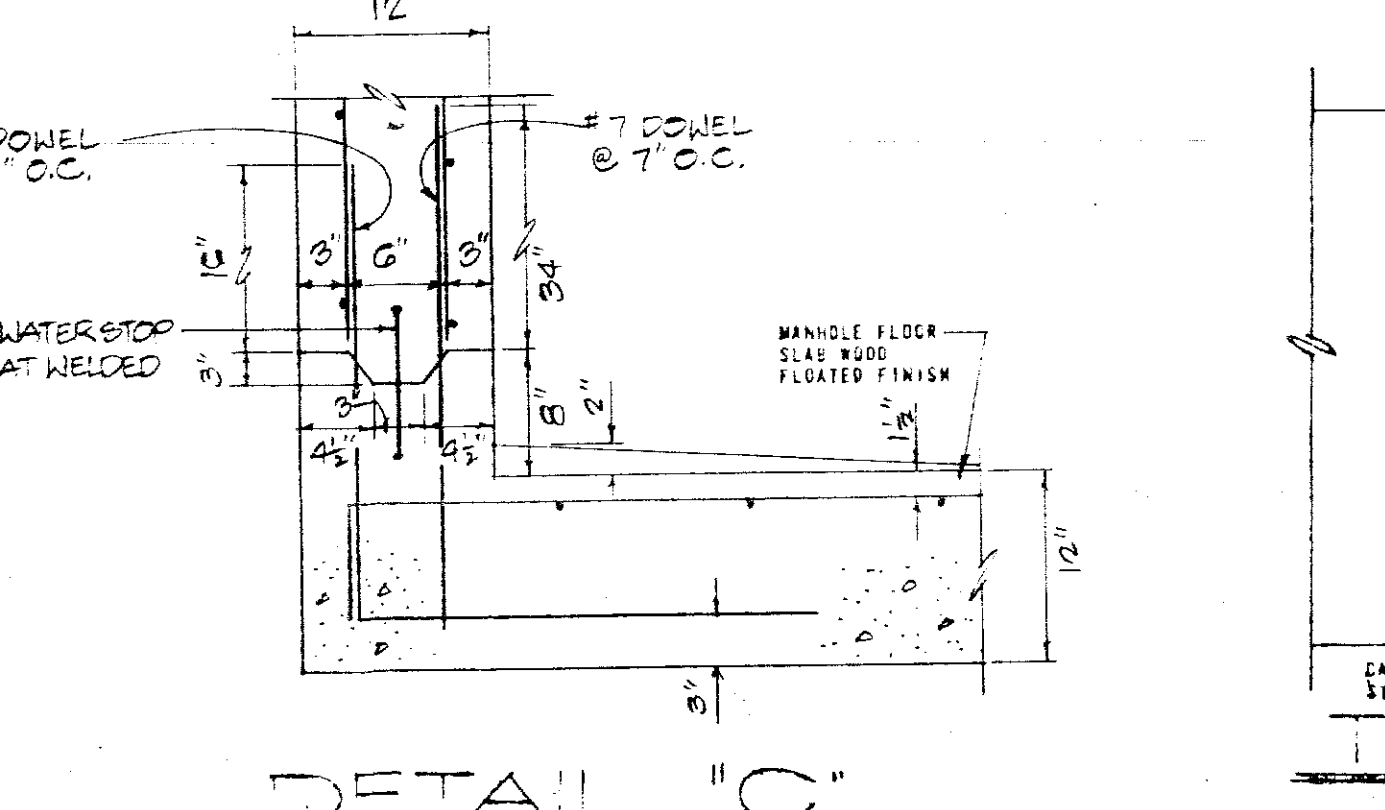
SECTION G-G
SCALE 1/8"=1'-0"



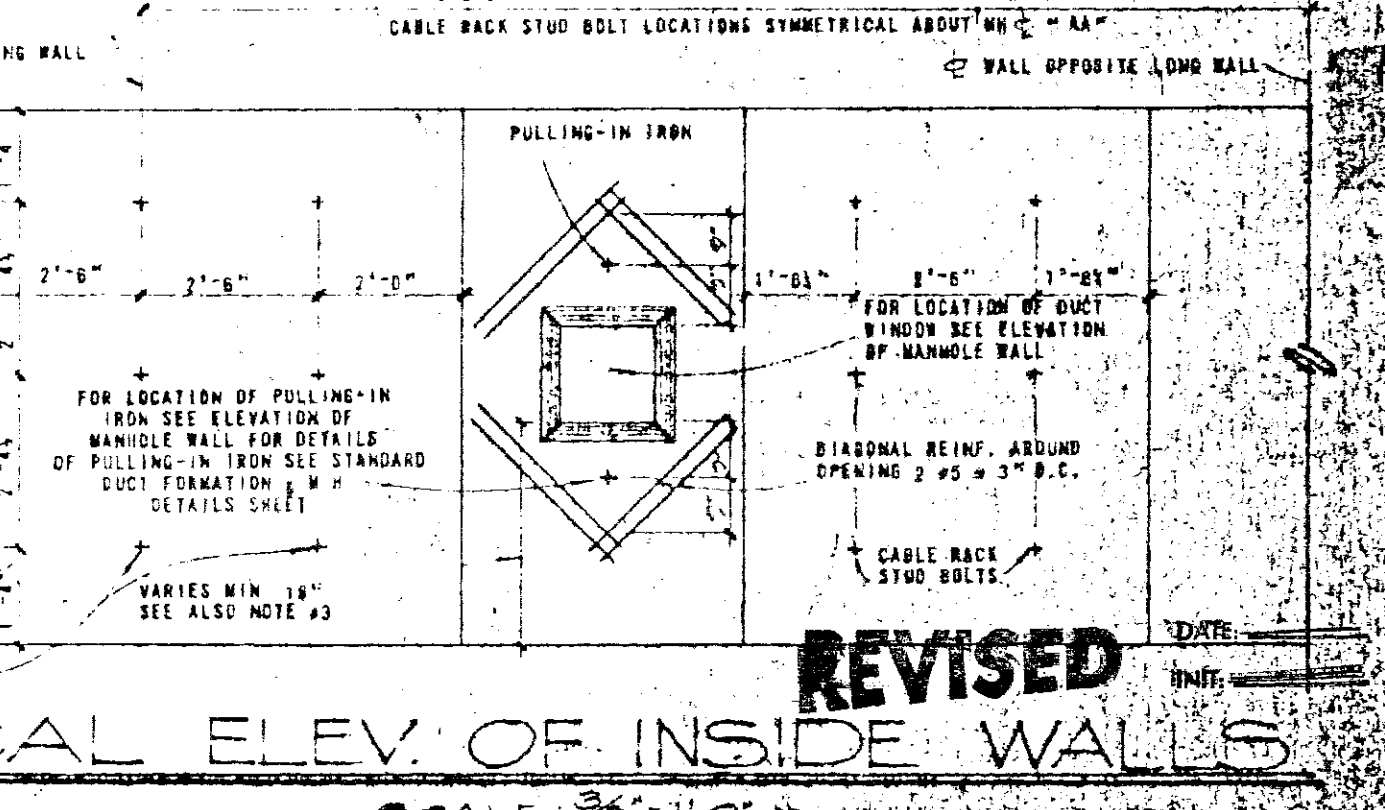
SECTION D-D
MH COVER DETAIL
SCALE 1/8"=1'-0"



SECTION E-E
SCALE 3/8"=1'-0"



DETAIL "C"
BOTTOM CONSTR. JOINT
SCALE 1/8"=1'-0"



TYPICAL ELEV. OF INSIDE WALLS
SCALE 3/8"=1'-0"

DETAIL "A"
TOP CONSTR. JOINT
SCALE 1"=1'-0"