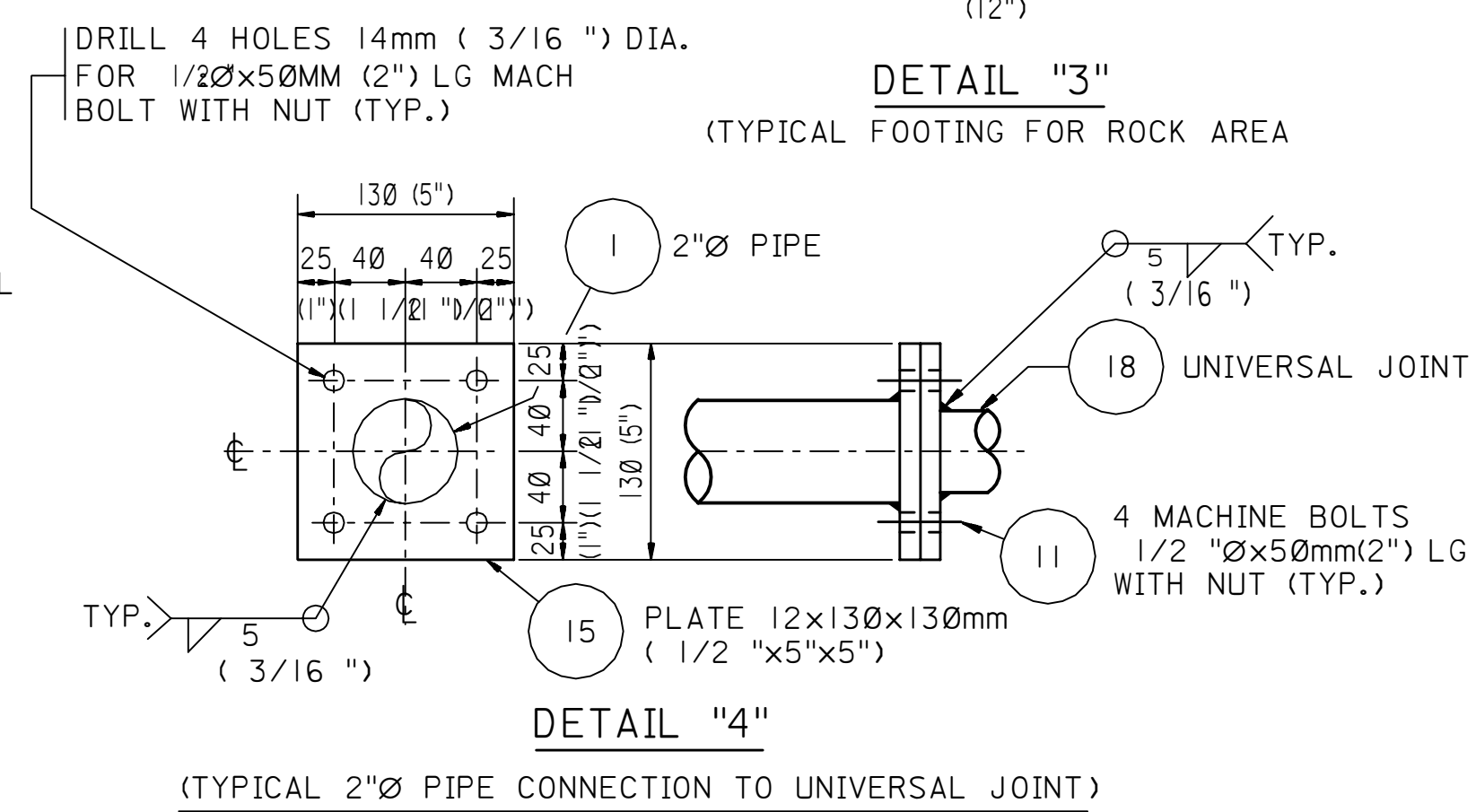
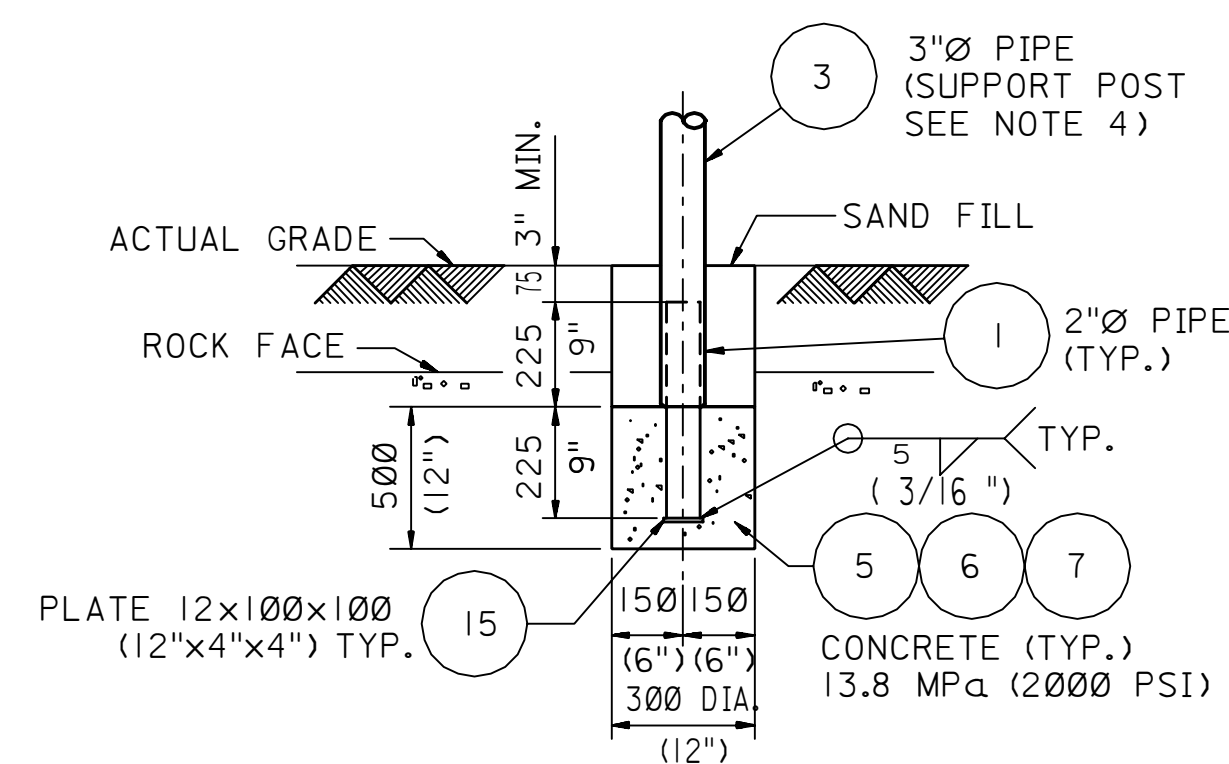
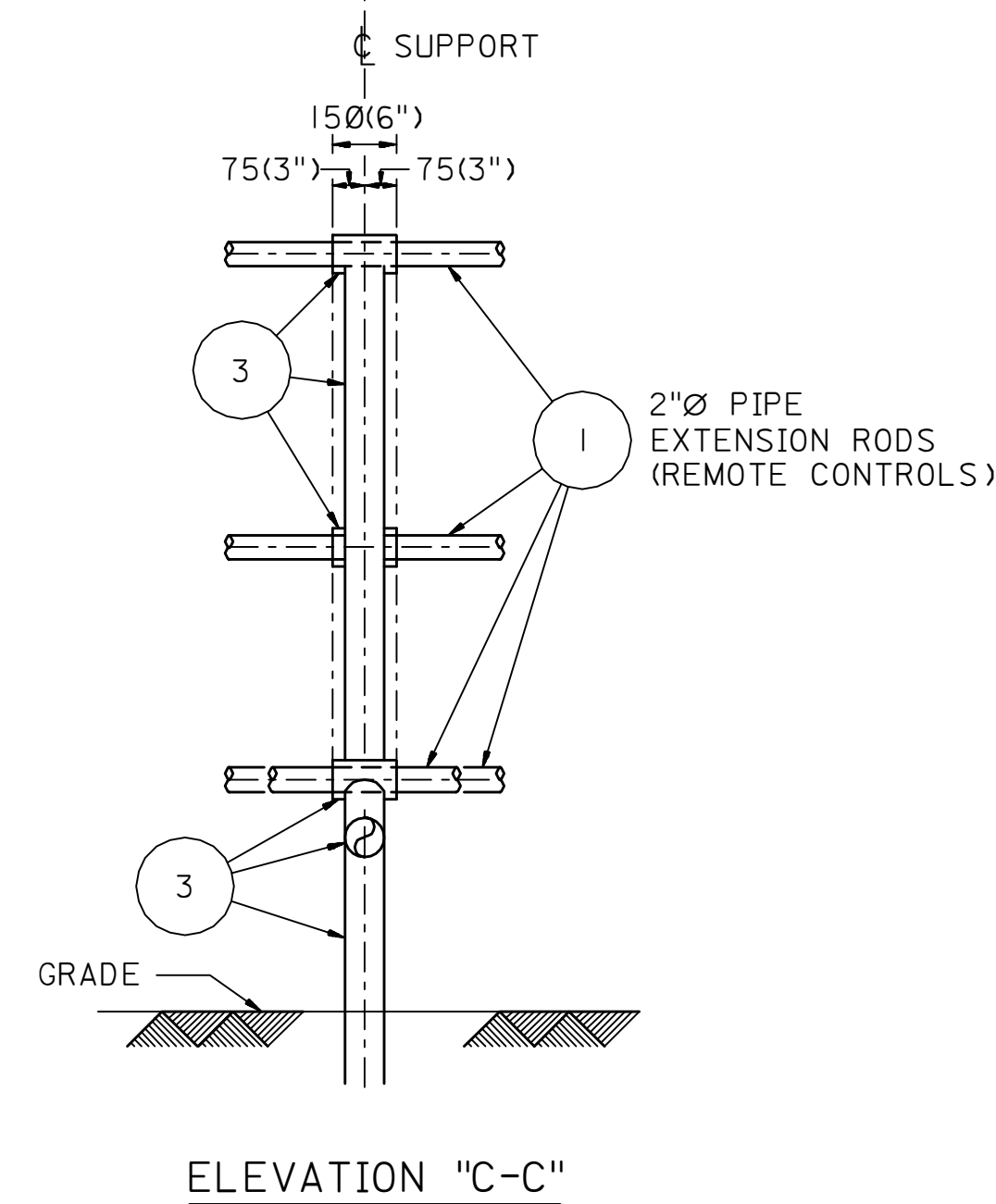
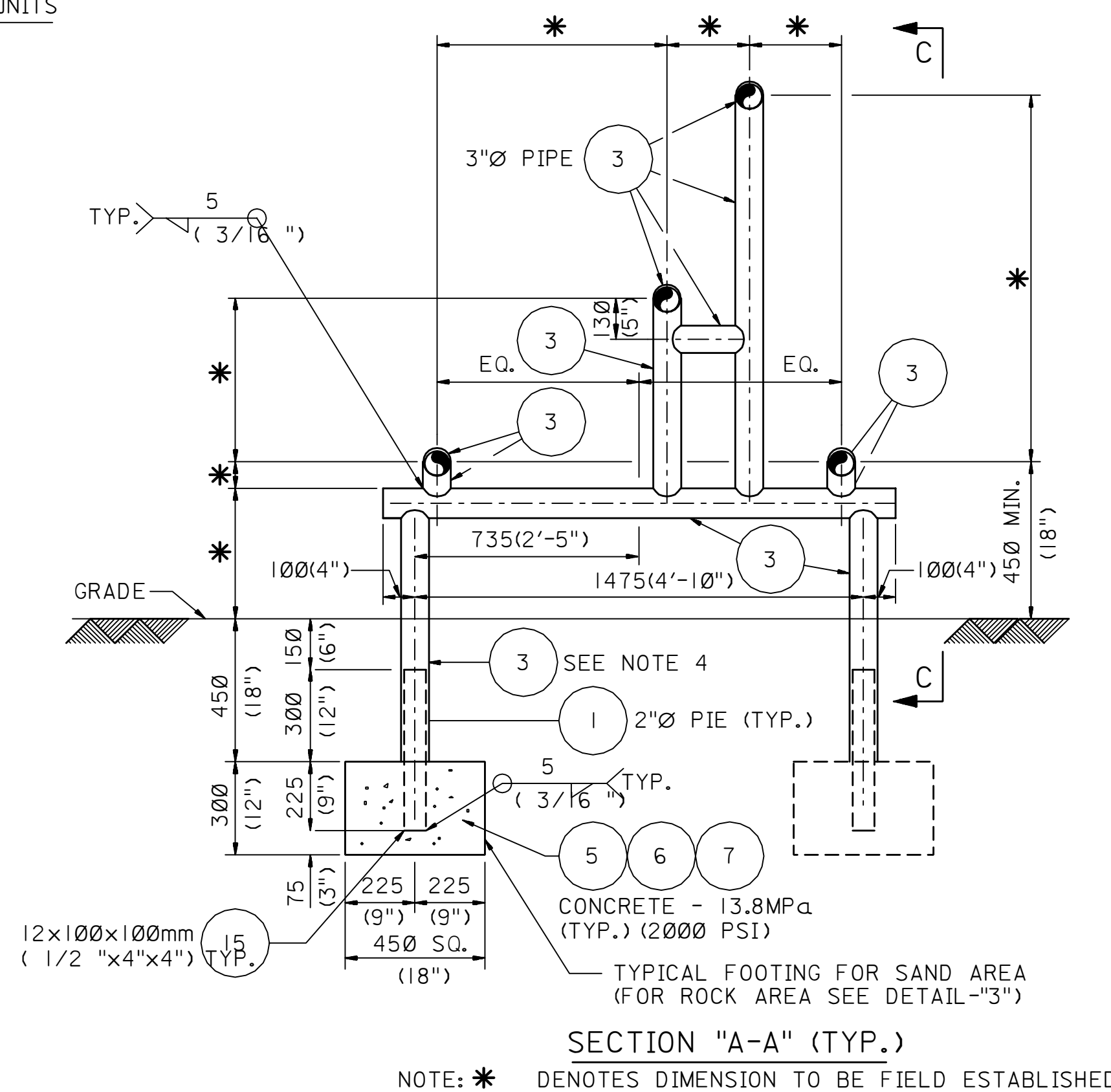
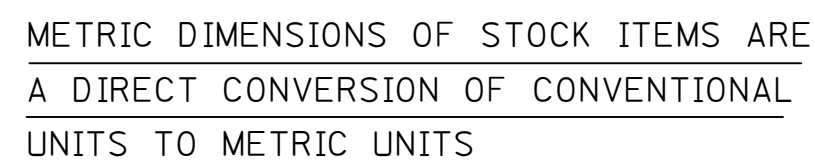
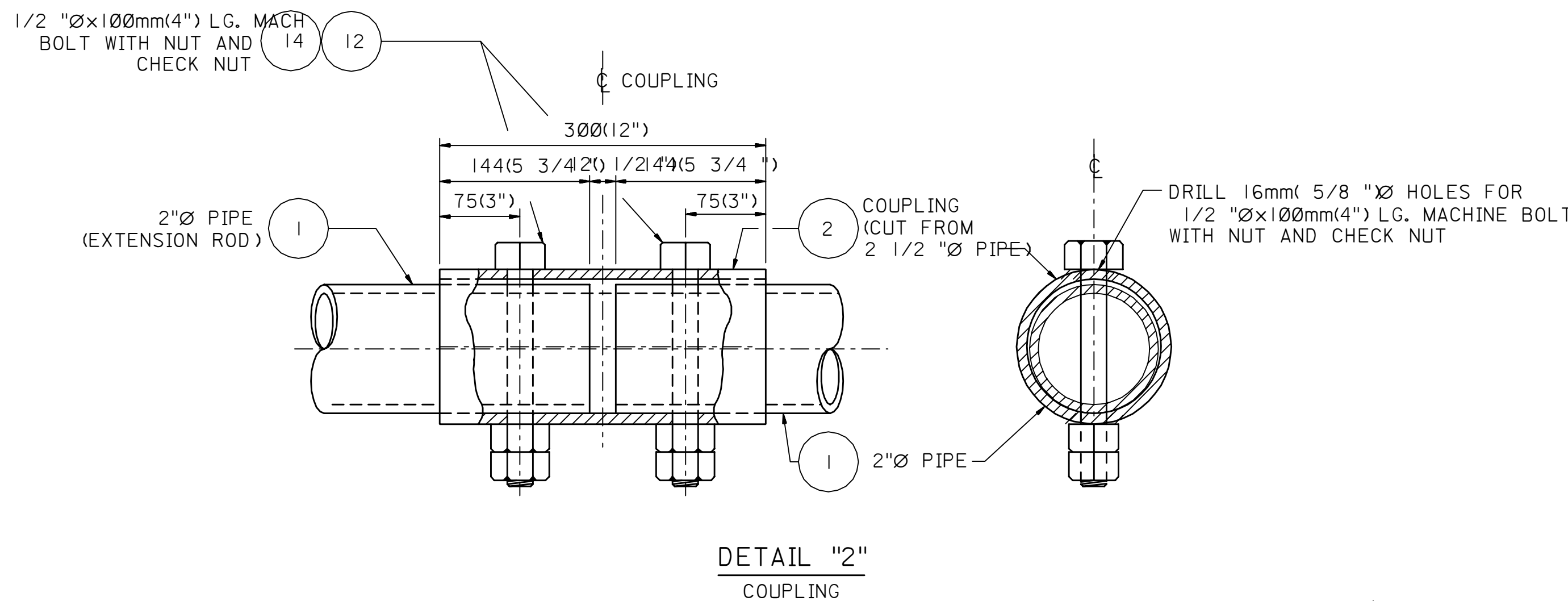
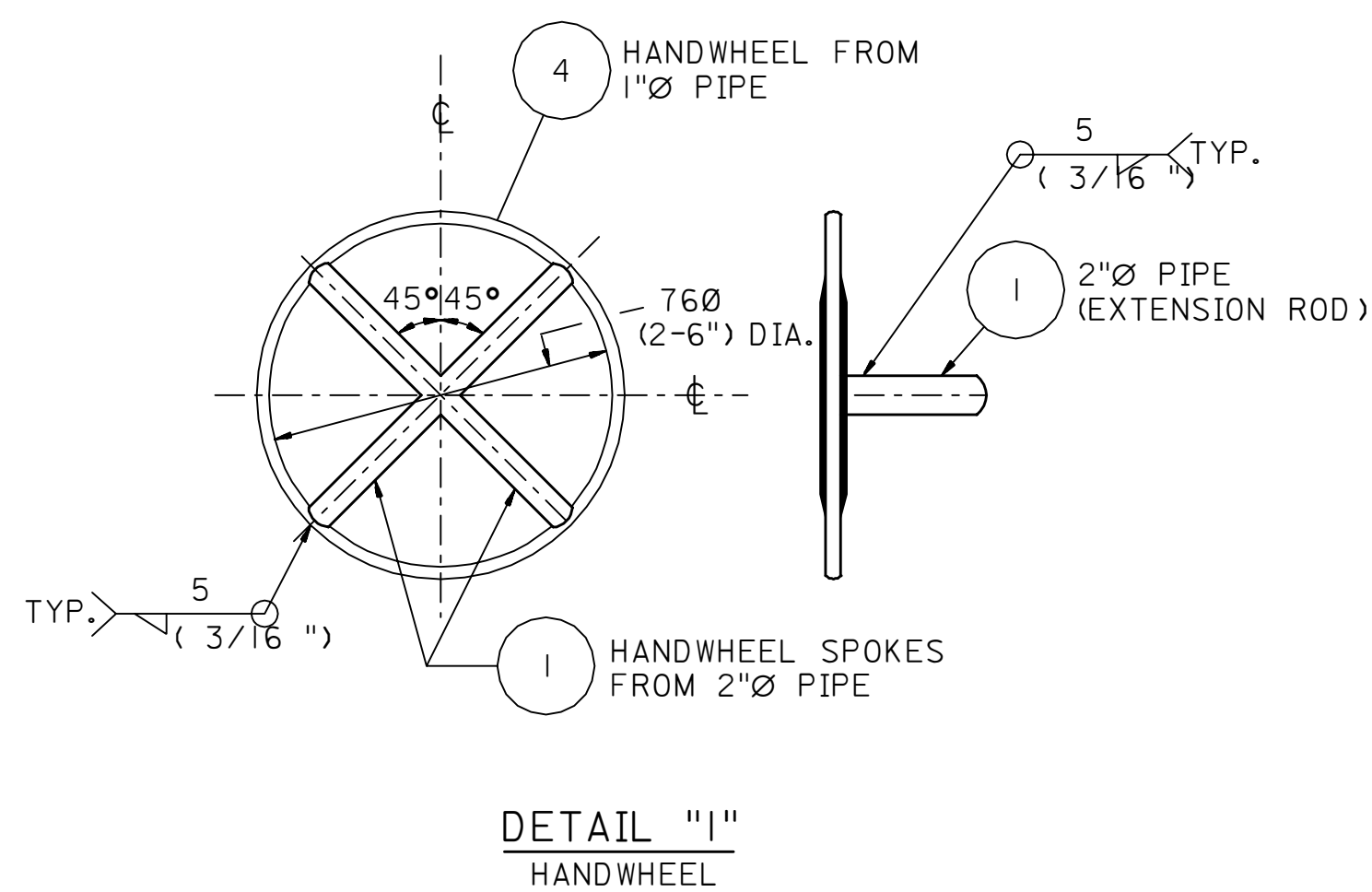
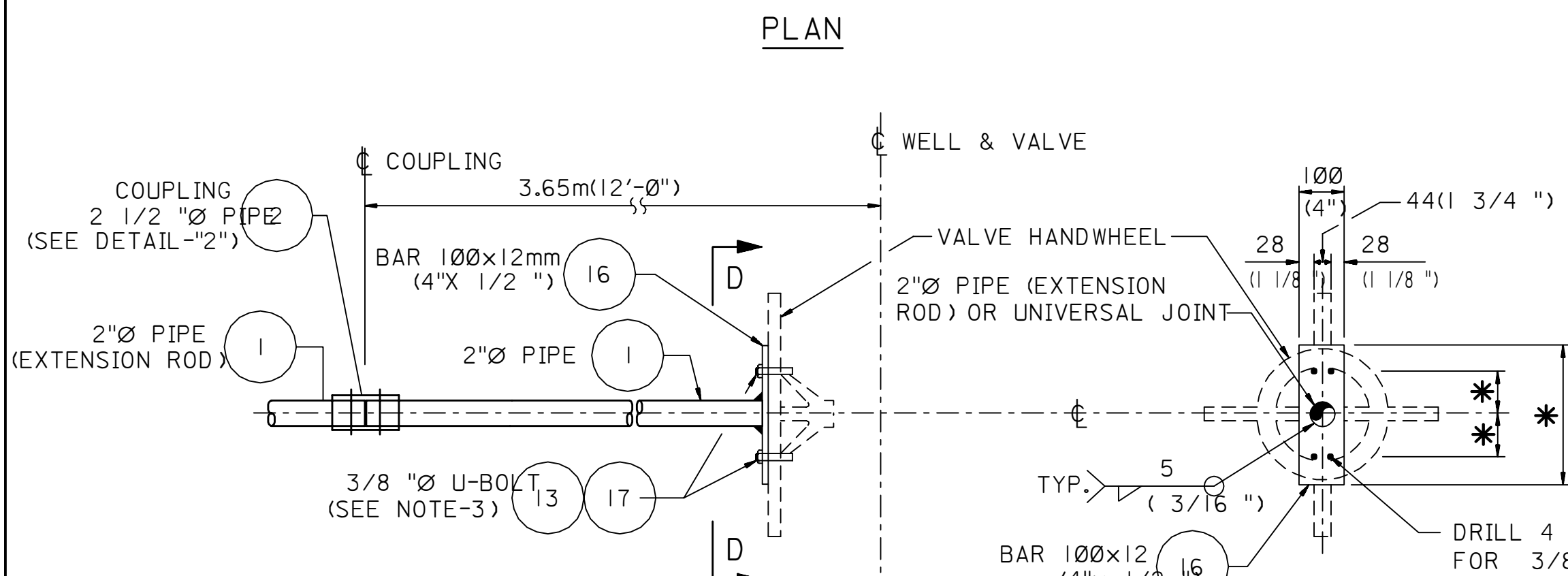
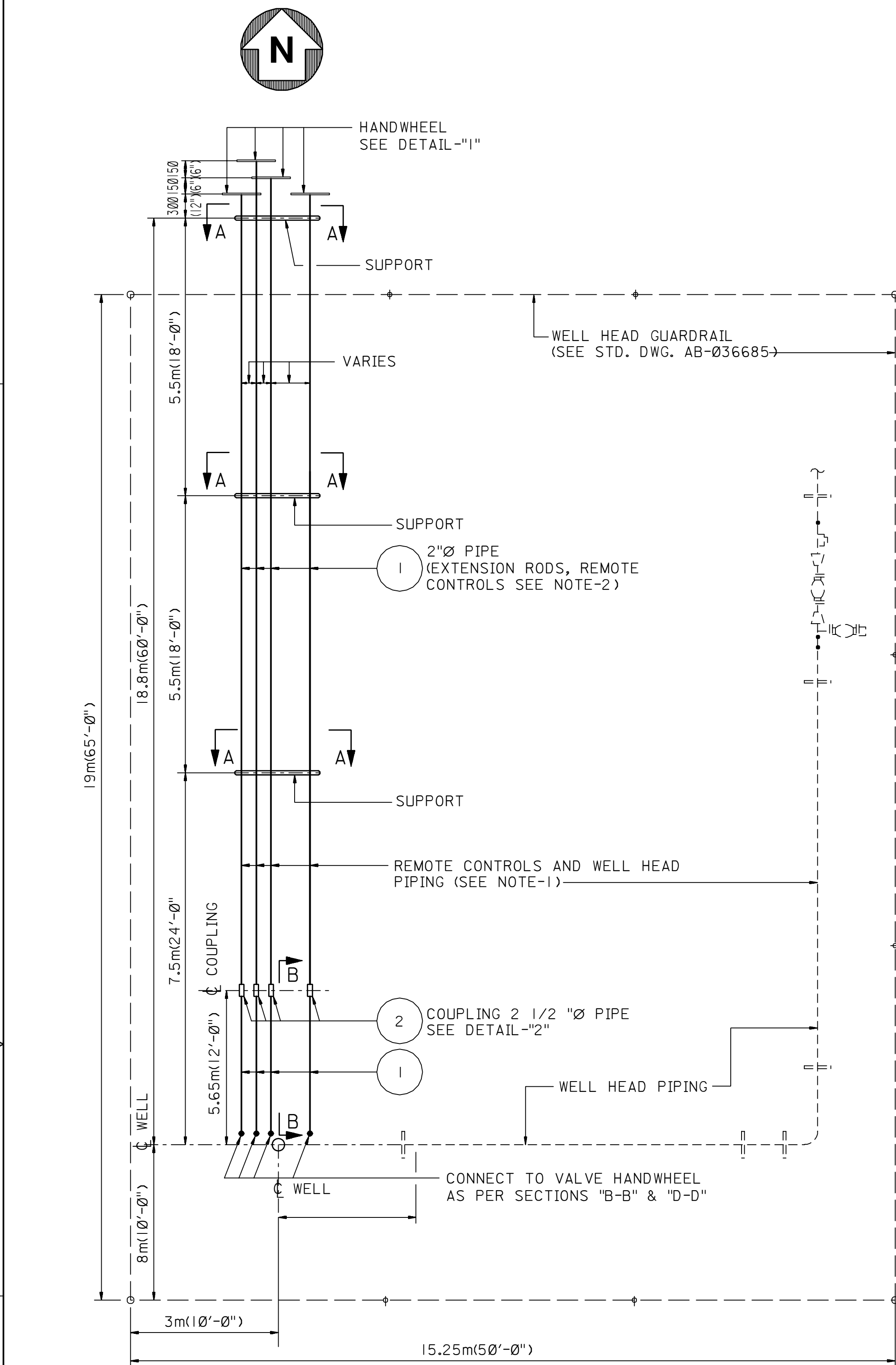
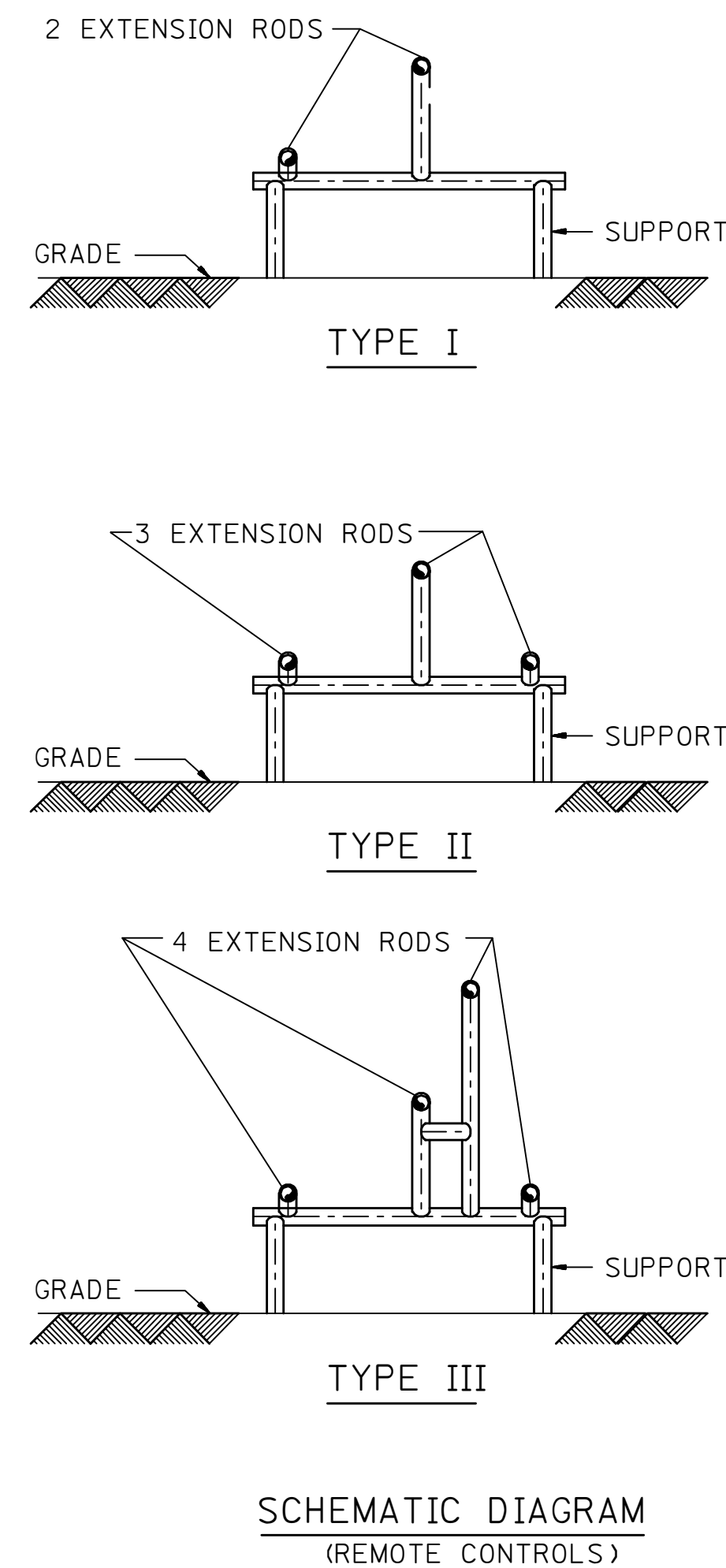




LIST OF MATERIAL (FOR THIS DRAWING ONLY)						
DWG. CODE	STOCK NO.	QUANTITY			UNIT	DESCRIPTION
		TYPE-I	TYPE-II	TYPE-III		
1	01-167-145	150	220	290	FT	PIPE: STL, API 5-L, BLK, 2" SCH. 80
2	01-167-200	3	4	5	FT	PIPE: STL, API 5-L, BLK, 2 1/2 " SCH. 40
3	01-167-260	50	55	75	FT	PIPE: STL, API 5-L, BLK, 3" SCH. 40
4	01-165-056	18	27	36	FT	PIPE: STL, API 5-L, BLK, 1" SCH. 80
5	CONTRACTOR SUPPLY	0.55	0.55	0.55	CY	AGGREGATE: CRUSHED STONE, 20mm (3/4 ")
6		3	3	3	SK	CEMENT: PORTLAND, GRAY, 50kg. (112LBS.) SACK
7		0.44	0.44	0.44	CY	SAND: CONCRETE & MORTAR, BULK
8		16	18	20	LB	ELECTRODE: WELDING, E-6010, 5mm (3/16 ") DIA.
9		09-630-794	1	1	2	CN
10	09-708-133	2	2	3	CN	PRIMER: ZINC CHROMATE, 3.8 L(1 GAL.) CAN
11	10-206-472	—	—	—	EA	BOLT: MACHINE, STL, WITH NUT, 1/2 " DIA. 50mm (2") LG.
12	10-206-495	4	6	8	EA	BOLT: MACHINE, STL, WITH NUT, 1/2 " DIA. 100mm (4") LG.
13	10-576-133	8	12	16	EA	NUT: HEX, STL, 3/8 "
14	10-576-141	4	6	8	EA	NUT: HEX, STL, 1/2 "
15	12-061-059	0.0125	0.0125	0.0125	PC	PLATE: STL, FIREBOX, 12mm (1/2 ") THK., 2.44m (96") WD., 6m (
16	12-335-515	4	6	8	FT	BAR: STL, CARBON, FLAT, 12x100 (1/2 "x4")
17	12-337-323	4	6	8	FT	BAR: STL, CARBON, ROUND, 3/8 " DIA.
18	13-926-022	—	—	—	EA	JOINT: UNIVERSAL, 29mm (1 3/8 ") DIA. HOLE BOTH ENDS



- ## GENERAL NOTES
1. REMOTE CONTROLS TYPE (I, II OR III) REQUIREMENT DEPENDS ON WELL HEAD COMPLETION.
 - a. REMOTE CONTROL TYPE-I (2 EXTENSION RODS)
 - b. REMOTE CONTROL TYPE-II (3 EXTENSION RODS)
 - c. REMOTE CONTROL TYPE-III (4 EXTENSION RODS)
 FOR ORIENTATION AND TYPE OF WELL HEAD COMPLETION SEE WELL HEAD PIPING DRAWING FOR INDIVIDUAL WELLS.
 2. EXTENSION RODS TO BE CONSTRUCTED FROM PIPE SECTIONS BUTT WELDED TOGETHER, TO PERMIT REMOVAL OF RODS THROUGH 3" DIA. PIPE SLEEVES AT SUPPORT.
 3. FABRICATE 3/8" DIA. U-BOLT AS PER STD. DWG AE-036311 FROM 3/8" DIA. BAR STL. ROUND (STOCK NO. 12-337-323) AND WITH 2 NUTS (3) (STOCK NO. 10-576-133) PER BOLT TO SUI HANDWHEEL.
 4. PIPE FOR SUPPORT POST BELOW GRADE TO BE COATED WITH ASPHALT.
 5. PAINT REMOTE OPERATORS AND THEIR SUPPORTS ABOVE GRADE WITH TWO COATS OF PRIMER LGZINC CHROMATE AND ONE COAT OF ENAMEL EXTERIOR HIGH GLOSS YELLOW.
 6. WHEN VALVE HANDWHEEL IS TOO LOW NEAR GRADE OR BELOW GRADE LEVEL, INSTALL TWO UNIVERSAL JOINTS (8) AS SHOWN IN SECTION "B-B", AND ADD MATERIALS (1), (5) AND (8) AS REQUIRED.
 7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

REFERENCE DRAWINGS	
STD. GUARDRAIL AT WELL HEAD FOR ON-SHORE WELL	AB-Ø36685

THIS DRAWING SUPERSEDES DRAWING BA-002097

03	MAY92	ESSD GMD		DRAWING DIGITIZED INTO CADD DATABASE WITHOUT CHANGES			
REV.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.

SAUDI ARABIAN OIL COMPANY

DRAWN BY H.J. FERNANDEZ CHECKED BY NAK SCALE: NONE

DATE STARTED _____ DATE COMPLETED 10-07-73

OPR'G. DEPT. _____ ENG. DEPT. _____ ORIGINAL SIGNED _____

APP'D. FOR CONST. _____

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED	CERTIFIED BY _____ DATE _____
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REMOTE CONTROLS

FOR ON-SHORE WELLS

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STD. DWG.

PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
0000	1	11-000000	001	01