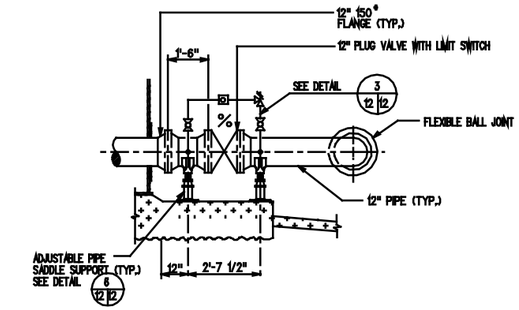
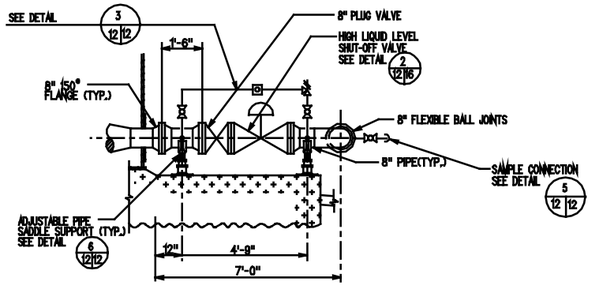


OPERATING TANK PRODUCT WITHDRAWAL PIPING DETAIL (1 | 2|12)

(TYPICAL FOR BOTH TANKS) SCALE: 1/2"=1'-0"

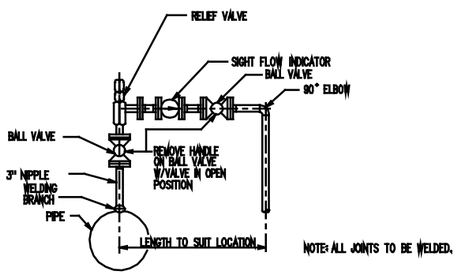
NOTE: RELIEF VALVE, SIGHTGLASS AND ISOLATION VALVE ASSEMBLY SHALL BE LOCATED PERPENDICULAR TO OPERATOR



OPERATING TANK PRODUCT FILL PIPING DETAIL (2 | 2|12)

(TYPICAL FOR BOTH TANKS) SCALE: 1/2"=1'-0"

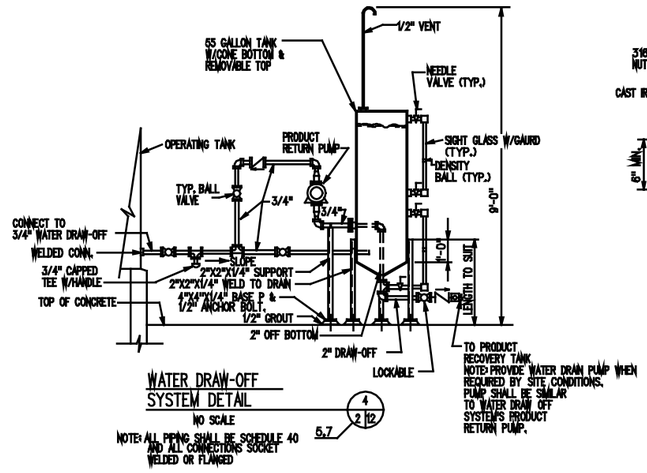
NOTE: RELIEF VALVE, SIGHTGLASS AND ISOLATION VALVE ASSEMBLY SHALL BE LOCATED PERPENDICULAR TO OPERATOR



RELIEF VALVE PIPING DETAIL (3 | 5|12)

NO SCALE 7,12,13,14,15

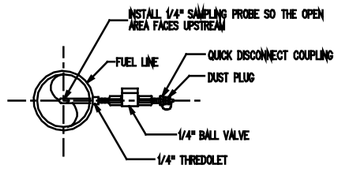
NOTE: ON FILTER SEPARATORS DELETE BALL VALVES



WATER DRAW-OFF SYSTEM DETAIL (4 | 2|12)

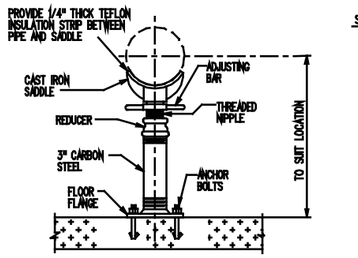
NO SCALE 5,7

NOTE: ALL PIPING SHALL BE SCHEDULE 40 AND ALL CONNECTIONS SOCKET WELDED OR FLANGED



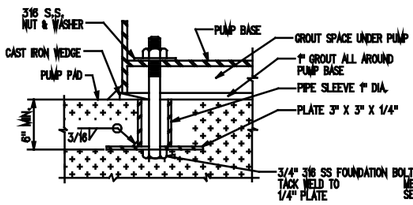
DETAIL-SAMPLE CONNECTION (5 | 5|12)

NO SCALE 7,11,12,13,14



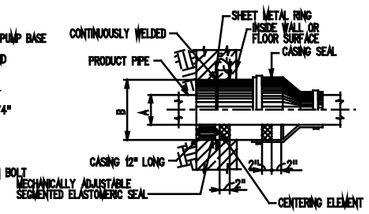
ADJUSTABLE PIPE SADDLE SUPPORT FOR 2,4,6,8,10,&12" PIPE DETAIL (6 | 12|12)

NO SCALE 13,14,15



TYPICAL PUMP BASE MOUNTING DETAIL (7 | 10|12)

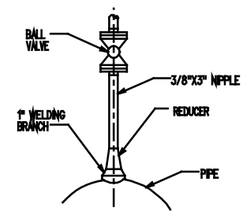
NO SCALE



PRODUCT PIPE	A	B
12"	12 3/4"ø	18"ø
8"	8 5/8"ø	12 3/4"ø
6"	6 5/8"ø	10 3/4"ø
4"	4 1/2"ø	8 5/8"ø
2"	2 3/8"ø	3 1/2"ø

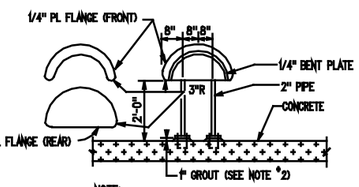
PIPE PENETRATION DETAIL (10 | 4|12)

NO SCALE 16



PRESSURE GAGE PIPE CONNECTION DETAIL (8 | 5|12)

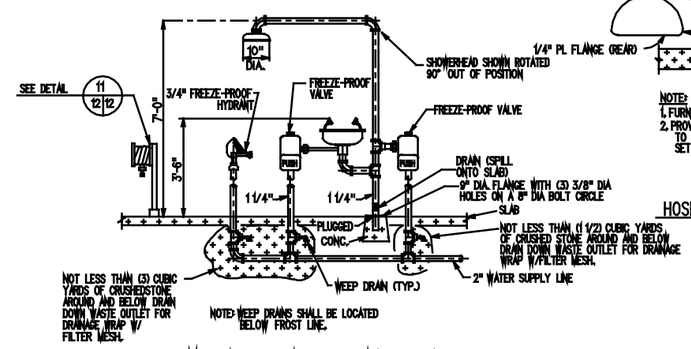
NO SCALE 7,13,14



NOTE:
1. FURNISH W/100' OF 3/4" HOSE
2. PROVIDE 1" NOMINAL DRY PACK GROUT TO BE INSTALLED AFTER EQUIPMENT IS SET TO REQUIRED GRADE

HOSERACK DETAIL (11 | 12|12)

N.T.S



NOTE: WEEP DRAINS SHALL BE LOCATED BELOW FROST LINE.

EMERGENCY SHOWER / EYEWASH DETAIL (9 | 9|12)

NO SCALE

GRAPHIC SCALE

1/2"=1'-0" 12" 6" 0 1" 2" 3" 4" 5"

REVISION	DESCRIPTION	DATE	APPROVED

SUPERSEDES PREVIOUS EDITIONS OF THIS DRAWING

Robert and Company
Architects-Engineers-Planners
60 Peachtree Street, N.E. Atlanta, Georgia 30303

DSGNR: HEALY CHK: BURTZ
DR: PARR
SUPV: HEALY CH. ENGR.
SUBMITTED BY: DATE: 12-7-90

EIC.
BR.HD.
FPE.
APPROVED: DATE: 1/8/91
EFD FOR COMMANDER NAVFAC

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS HOME SERVICE AIR FORCE
MANAGEMENT ENGINEERING AGENCY

ACCEPTED: DATE: 1-22-91
USAF FUEL FACILITIES ENGINEER

APPROVED FOR CHIEF OF STAFF, U.S. AIR FORCE

CHIEF, ENGINEERING DIVISION
DATE: 1-22-91

AIR FORCE STANDARDS
AIRCRAFT DIRECT FUELING SYSTEM
TYPE IV

UNVERIFIED DRAFT
MECHANICAL DETAILS

SCALE: AS NOTED
SPEC. NO. 78-24-29-00-AF
SHEET 12
DRAWING NO. AF 78-24-29