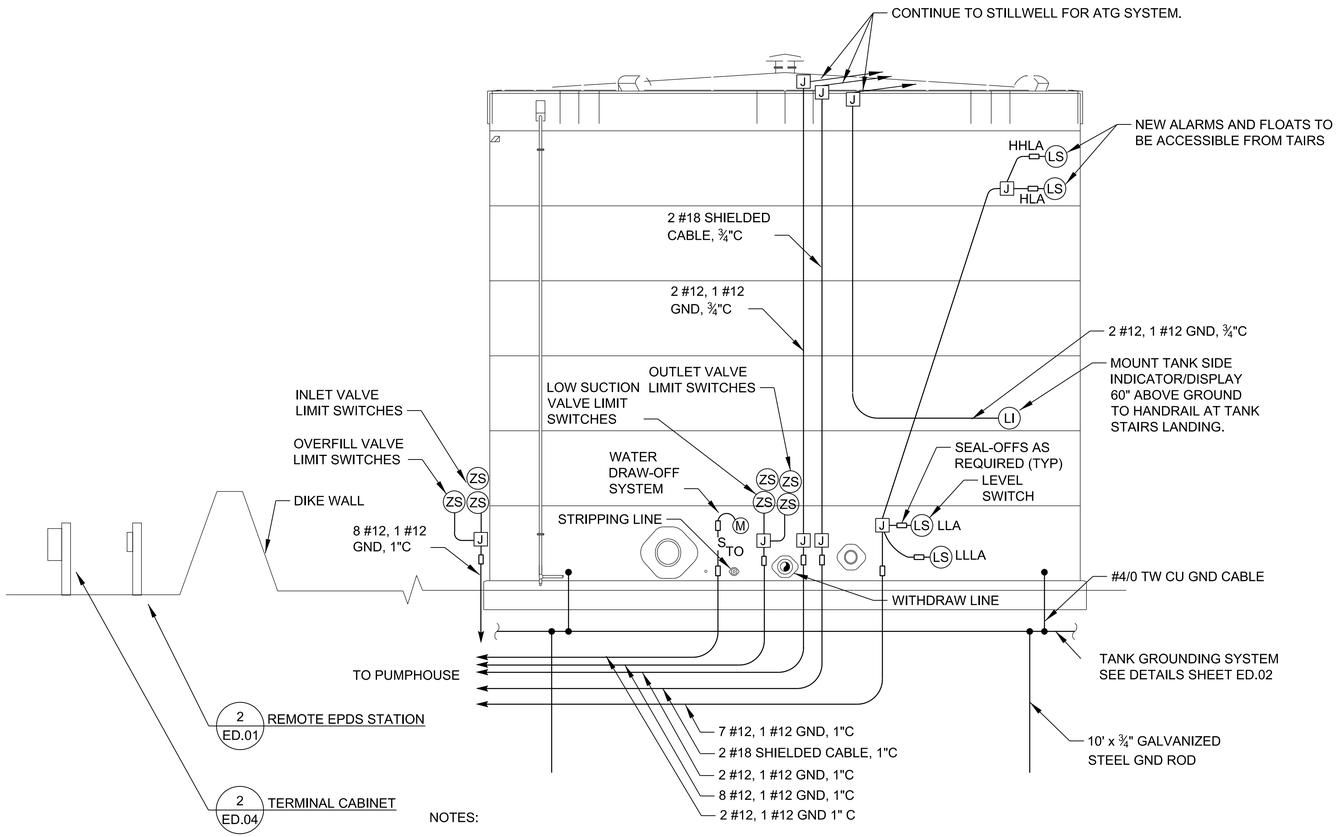


NOTES:

1. SEE TANK DRAWINGS FOR EXACT LOCATION OF LEVEL SWITCHES AND PRODUCT RETURN PUMP.

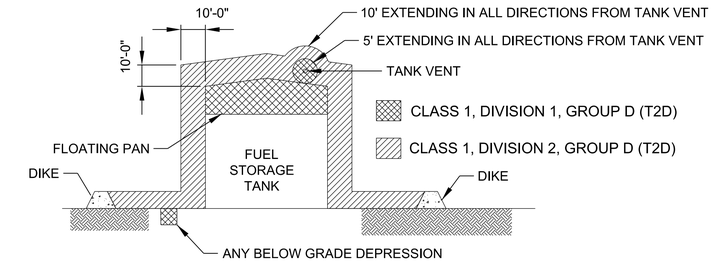
2. WELD CONDUIT SUPPORT STRUCTURES (UNISTRUT OR EQUAL) TO TANK WALL. DO NOT WELD UNISTRUT DIRECTLY TO TANK SHELL. USE THREADED ARC STUDS OR EQUIVALENT TO INCLUDE THREADED COUPLERS OF THE SAME MATERIAL AS THE CARBON STEEL MATERIAL OF THE TANK SHELL.

3. REMOTE EPDS STATION TO BE PLACED IMMEDIATELY OUTSIDE OF CONTAINMENT AREA. SEE THIS SHEET FOR DETAILS.

4. CATHODIC PROTECTION TERMINAL CABINET TO BE PLACED OUTSIDE OF CONTAINMENT AND HAZARDOUS LOCATIONS. IT MAY BE PLACED IMMEDIATELY OUTSIDE OF CONTAINMENT AREA OR NEAR RECTIFIER. SEE SHEET ED.04 FOR DETAILS.

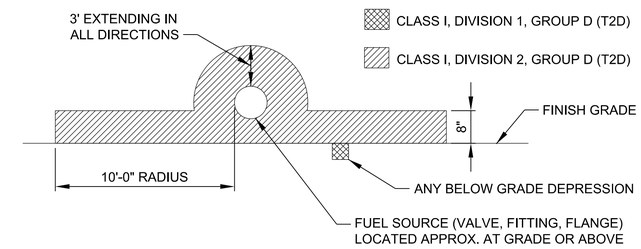
STORAGE TANK ELECTRICAL ELEVATION

SCALE: NONE



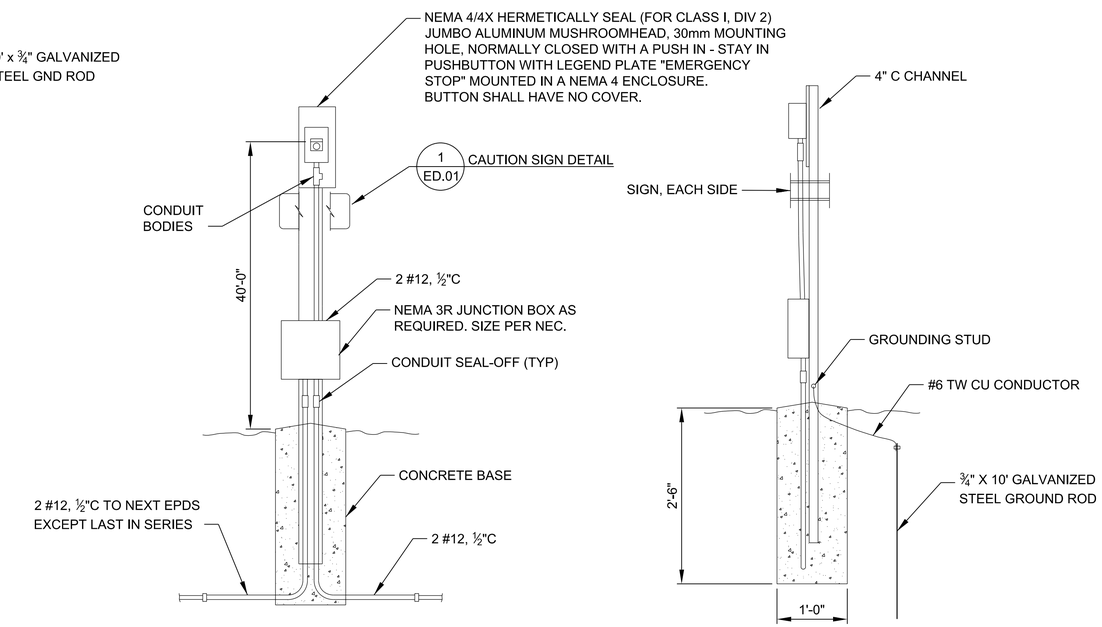
FUEL STORAGE TANK HAZARDOUS AREA DETAIL

SCALE: NONE



EXTERIOR FUEL PIPING HAZARDOUS AREA DETAIL

SCALE: NONE



FRONT VIEW

SIDE VIEW

REMOTE EPDS STATION

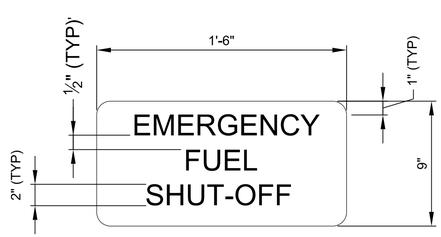
2 ED.01 | ED.01

SCALE: NONE

DESIGNER NOTE:

1. IF ELECTRONIC TYPE LEVEL ALARMS ARE TO BE USED INSTEAD OF THE MECHANICAL FLOAT TYPE INDICATED ON THE STORAGE TANK ELECTRICAL ELEVATION DETAIL, THEN MODIFY THE DETAIL WITH REQUIREMENTS APPROPRIATE TO THE ELECTRONIC LEVEL ALARMS.

2. IF AN ATG SYSTEM OTHER THAN THE ENRAF 854 TYPE DEPICTED HERE IS TO BE USED, THE STORAGE TANK ELECTRICAL ELEVATION DETAIL SHALL BE MODIFIED TO SHOW APPROPRIATE CONDUITS AND CONDUCTORS FOR THAT TYPE OF ATG SYSTEM.



RED LETTERS, WHITE FIELD

CAUTION SIGN DETAIL

1 ED.01 | ED.01

SCALE: NONE

SYM	DESCRIPTION	DATE	APPR

US ARMY CORPS OF ENGINEERS OMAHA DISTRICT

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO

DES MSO | DRW MHK | CHK WVB

SUBMITTED BY:

DATE: APRIL 2015

NAVAL FACILITIES ENGINEERING COMMAND – ALANTIC

DOD STANDARD DESIGN AW78-24-27

FUEL TANKS WITH FIXED ROOFS ABOVEGROUND VERTICAL STEEL

TYPICAL ELECTRICAL ELEVATION

SCALE: AS NOTED

EPROJECT NO.: XXXXX

CONSTR. CONTR. NO. XXXXX

NAVFAC DRAWING NO. XXXXX

SHEET 24 OF 57

ED.01

DRAWFORM REVISION: 10 MAY 2014