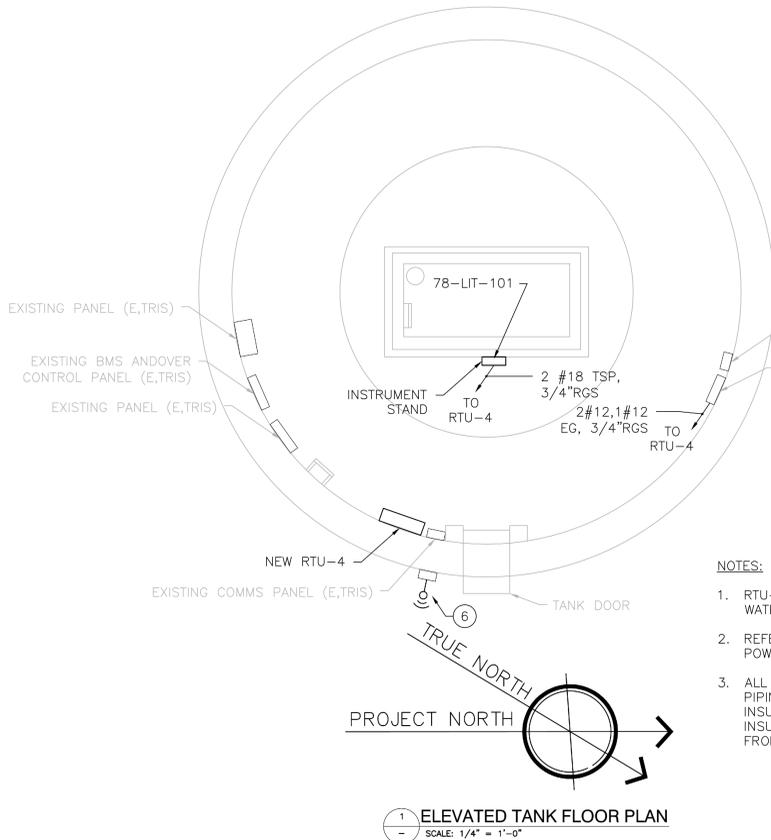
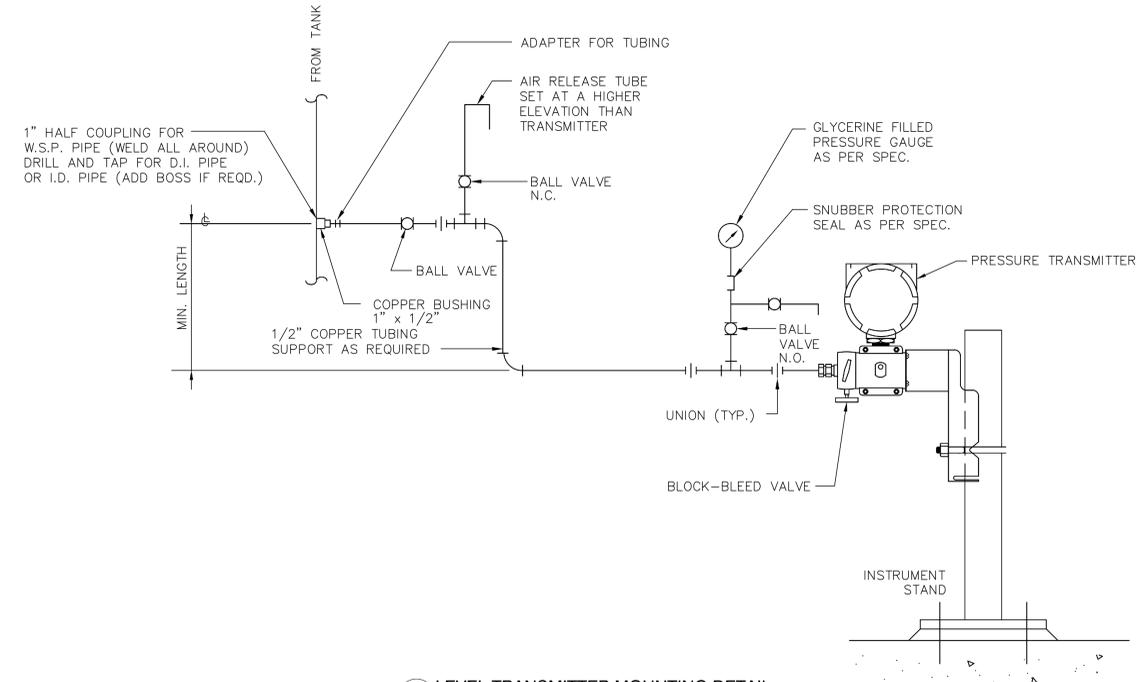


three inches = one foot  
 one and one half inch = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



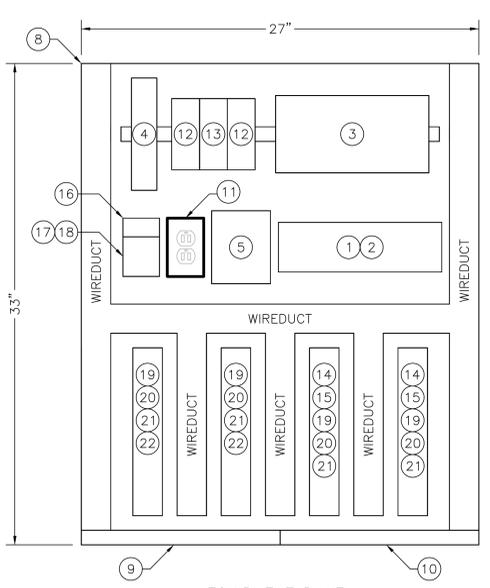
1 ELEVATED TANK FLOOR PLAN  
 SCALE: 1/4" = 1'-0"

- NOTES:
1. RTU-4 SHALL BE POWERED FROM THE EXISTING WATER TOWER PANEL.
  2. REFER TO TIER 1 DRAWING DI-027 FOR RTU POWER DISTRIBUTION AND TYPICAL WIRING DETAILS.
  3. ALL LEVEL INSTRUMENT 1/2"Ø COPPER WATER PIPING SHALL BE INSULATED AND HEAT TRACED. INSULATION SHALL BE A MINIMUM 1" FIBERGLASS INSULATION. HEAT TRACING SHALL BE POWERED FROM THE EXISTING WATER TOWER PANEL.

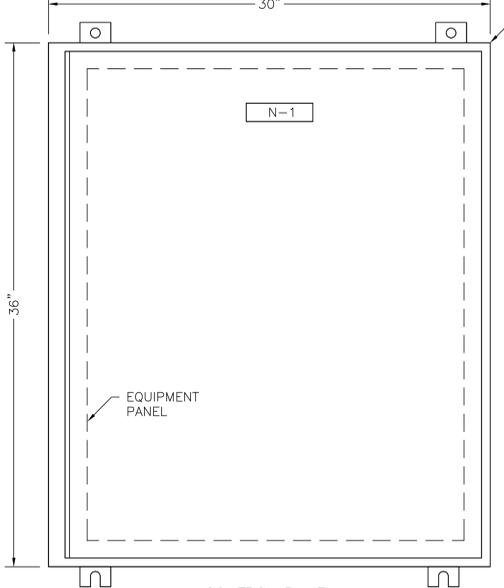


2 LEVEL TRANSMITTER MOUNTING DETAIL  
 SCALE: N.T.S.

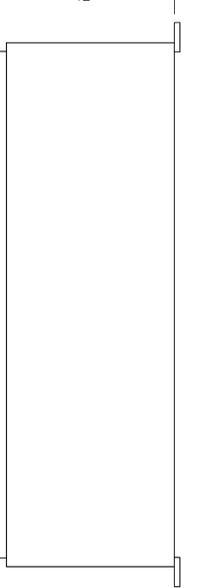
PROFESSIONAL CERTIFICATION  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
 LICENSE NO. 21333, EXPIRATION DATE: 09/05/16



EQUIPMENT PANEL  
 N.T.S.

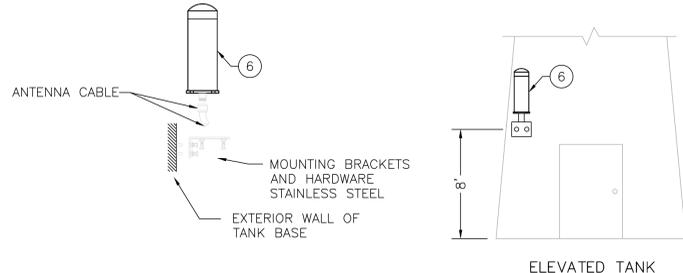


CONTROL PANEL  
 FRONT VIEW



RIGHT SIDE VIEW

CONSTRUCTION: NEMA 4X  
 MATERIAL: STAINLESS STEEL  
 3 RTU-4 LAYOUT  
 SCALE: N.T.S.



4 CELLULAR ANTENNA MOUNTING DETAIL  
 SCALE: N.T.S.

RTU NAMEPLATE ENGRAVING PLATE				
N-#	LINE 1	LINE 2	LINE 3	SIZE
N-1	ELEVATED TANK	CONTROL PANEL	RTU-004	1" X 4"

EQUIPMENT IDENTIFICATION LIST

ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL NUMBER
1		PLC PROCESSOR, COMPACT-LOGIX	ALLEN-BRADLEY	1769-*
2		PLC POWER SUPPLY - COMPACT-LOGIX	ALLEN-BRADLEY	1769-*
3		UNINTERRUPTIBLE POWER SUPPLY - 500VA	SOLA-HEVI/DUTY	SDU-850
4		SECURITY APPLIANCE WITH INTELLIGENT FIREWALL/ROUTER	CISCO	C819HG
5		INDUSTRIAL WIRELESS CELLULAR MODEM, (4G XLTE VERIZON)	SIERRA WIRELESS	AIRLINK GX-450
6		CELLULAR MODEM ANTENNA	CELLMATE	CM288
7		ELECTRICAL ENCLOSURE, 36" H x 30" W x 12" D, 316L S.S.	HOFFMAN	A36H3012SS6LP3PT
8		EQUIPMENT PANEL, 33" H x 27" W, PAINTED STEEL	HOFFMAN	A36P30
9		EQUIPMENT GROUND BUS, 1" X 1/4" COPPER, 16" LONG	ALLEN-BRADLEY	
10		ISOLATED GROUND BUS, 1" X 1/4" COPPER, 16" LONG	ALLEN-BRADLEY	
11		UTILITY RECEPTACLE, GFCI, DUPLEX, 15 AMP	ALLEN-BRADLEY	
12		24 VDC POWER SUPPLY, 10 AMP, DIN RAIL MOUNT	SOLA-HEVI/DUTY	*
13		24 VDC REDUNDANCY MODULE	SOLA-HEVI/DUTY	*
14		CONTROL RELAY, GENERAL PURPOSE, 120 VAC COIL	ALLEN-BRADLEY	700HA
15		CONTROL RELAY, GENERAL PURPOSE, 24 VDC COIL	ALLEN-BRADLEY	700HA
16		POWER DISTRIBUTION LUG	ALLEN-BRADLEY	1492-PDL3141
17		CIRCUIT BREAKER, 15 AMP	ALLEN-BRADLEY	
18		CIRCUIT BREAKER, 10 AMP	ALLEN-BRADLEY	
19		FUSIBLE SWITCH BLOCK WITH BLOWN FUSE IND	ALLEN-BRADLEY	1492-H4
20		FUSE, GLASS, 5 X 20 MM, 1/10 AMP	ALLEN-BRADLEY	
21		FUSE, GLASS, 5 X 20 MM, 1 AMP	ALLEN-BRADLEY	
22		TERMINAL BLOCKS, SINGLE CIRCUIT	ALLEN-BRADLEY	1492-W4
23		7" COLOR TOUCHSCREEN	ALLEN-BRADLEY	PANELVIEW PLUS 700

100% Bid Documents September 1, 2015

Additions:	Date:
Revisions:	Date:

**DCS Infrastructure, LLC**  
 3249 route 112, building 4 suite 1B  
 Medford, N.Y. 11763 631-320-1706

Approved: \_\_\_\_\_  
 Approved: Chief, Facilities and Engineering:  
 Approved: Associate Chief for Maintenance And Operations, Perry Point:  
 Approved: Engineering Projects Supervisor  
 Approved: Infection Control Officer

Approved: \_\_\_\_\_  
 Approved: \_\_\_\_\_  
 Approved: \_\_\_\_\_  
 Approved: \_\_\_\_\_

Drawing Title:  
**ELEVATED TANK AND RTU LAYOUT**

Approved: Associate Director for Operations:  
 Approved: Director, Medical Center:

Project Title:  
**POTABLE WATER SYSTEM IMPROVEMENTS - TIER 4**  
 PERRY POINT MD VAMC

Scale: AS NOTED  
 Building No: N/A  
 Checked: DRH  
 Drawn: RRU

Location:  
 VAMC PERRY POINT, MD 21902

Date:  
 9/1/2015

Project No:  
 512A5-13-329

DRAWING NO:  
**DI-001**

2 OF 2

