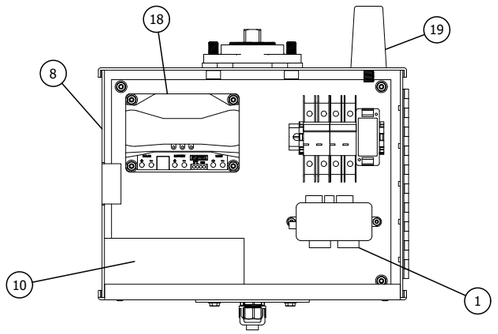
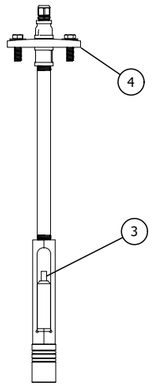
#9200i PRESSURE MONITORING: PERMANENT PRESSURE MONITORING STATION - INSTALL GUIDE

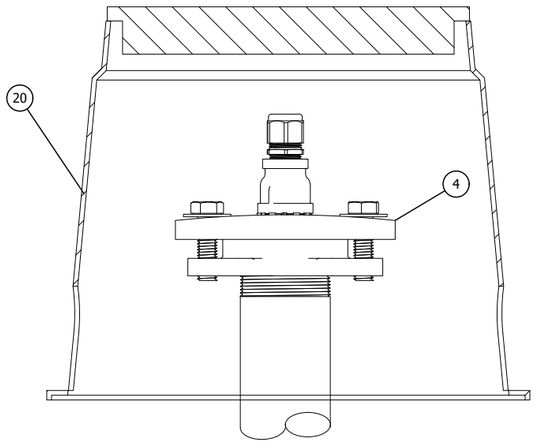
GENERAL HYDRANT SPECIFICATIONS	
MAXIMUM OPERATING PRESSURE:	220 PSI
NSF/ANSI:	NSF 372
REGULATORY COMPLIANCE:	



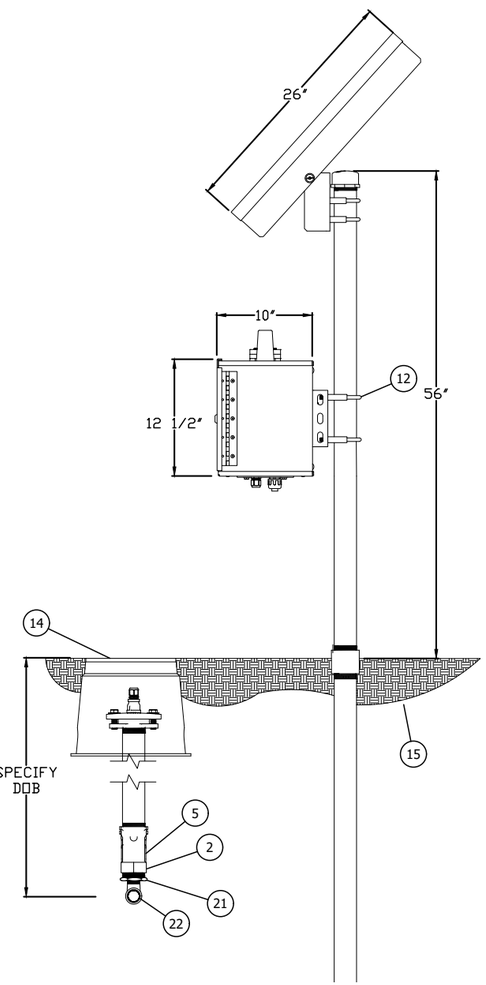
A DETAIL VIEW - CONTROL ENCLOSURE
Scale: 1 1/2"=1'-0"



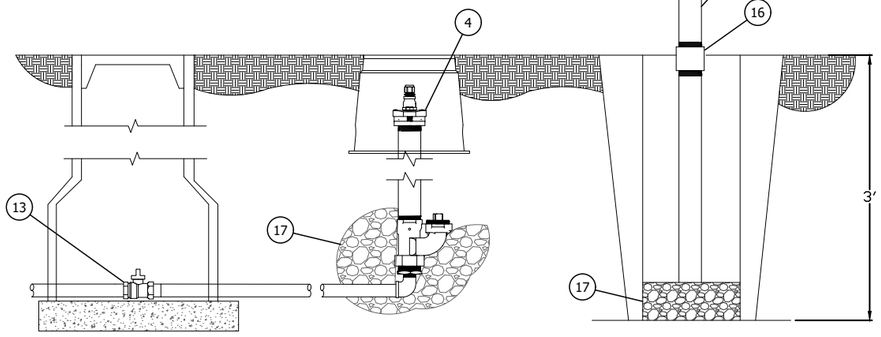
B DETAIL VIEW - REMOVEABLE SENSOR
Scale: 1"=1'-0"



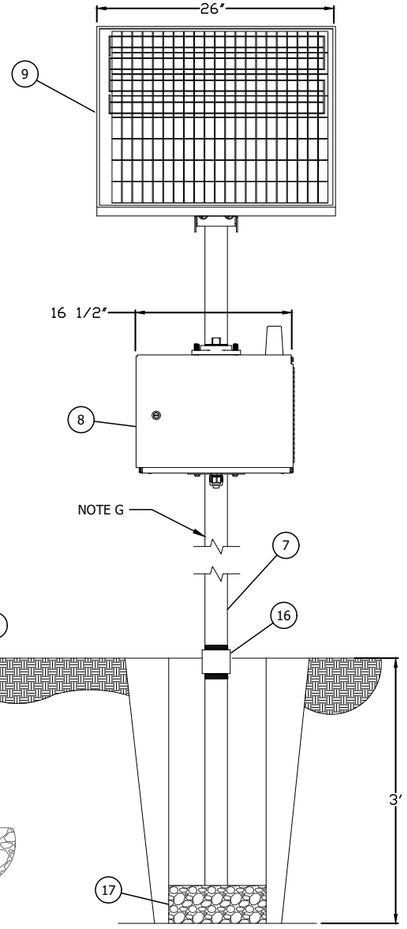
C DETAIL VIEW - REMOVEABLE TOP CAP
Scale: 3"=1'-0"

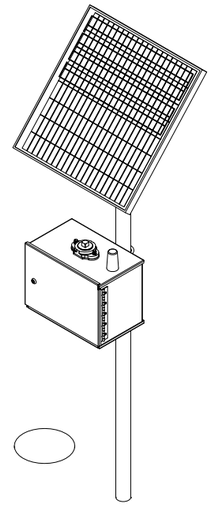


1 SIDE VIEW - INSTALL
Scale: 3/4"=1'-0"



2 FRONT VIEW - INSTALL
Scale: 3/4"=1'-0"





3 ISO VIEW - ABOVE GRADE
Scale: 1/2"=1'-0"

DIRECTIONS	
STEP 1:	INSTALL PRESSURE MONITORING STATION INTO GROUND AND ATTACH WATER LINE.
STEP 2:	INSTALL 2" PIPE FOR MOUNTING OF ENCLOSURE. USE A COUPLING AT GRADE TO ALLOW FOR REMOVAL OF PIPE (IF DESIRED)
STEP 3:	USE U-BOLTS TO ATTACH CONTROL ENCLOSURE TO PIPE.
STEP 4:	USE U-BOLTS TO ATTACH SOLAR PANEL TO PIPE.
STEP 5:	ENSURE CIRCUIT BREAKERS ARE TURNED OFF.
STEP 6:	CONNECT THE WATERPROOF CONNECTOR FROM THE CONDUIT TO THE CONNECTOR ON THE SENSOR. EXTRA WIRE SHALL BE LOOSELY COILED IN THE VALVE BOX TO ALLOW FOR EASE OF ASSEMBLY/DISSASEMBLY.
STEP 7:	RUN THE OTHER END OF THE CONDUIT UP THE POLE, CONNECTING THROUGH THE CORD GRIP ON THE BOTTOM OF THE ENCLOSURE. STRIP THE WIRE AND ATTACH TO THE SEALEVEL DEVICE.
STEP 8:	CONNECT THE SOLAR PANEL WIRES TO THE ENCLOSURE VIA THE CORD GRIP. THE PLUG THE PINS INTO THE SUPPLIED RECEPTACLE, LOCATION #1 IS WIRE LABELED "S.PANEL +" . PLUG THE CONNECTOR INTO THE CORRESPONDING RECEPTACLE LABELED "SP".
STEP 9:	CONNECT THE BATTERY VIA THE REPEPTACLE LABELED "BAT"
STEP 10:	VERIFY ALL ELECTRICAL CONNECTIONS

OTHER SPECIFICATIONS AVAILABLE UPON REQUEST

ITEM	DESCRIPTION
1	SEALEVEL TRANSMITTER
2	2" FIP INLET
3	PRESSURE SENSOR
4	REMOVEABLE TOP CAP
5	VALVE BODY FOR REMOVEABLE SENSOR
6	CONCRETE PAD
7	2" PIPE FOR ELECTRICAL MOUNT
8	ELECTRICAL ENCLOSURE
9	SOLAR PANEL
10	BATTERY
11	ELECTRICAL CONDUIT
12	U-BOLTS
13	HYDRANT SHUT-OFF VALVE
14	VALVE BOX
15	EARTH
16	COUPLING
17	CRUSHED ROCK
18	SOLAR CONTROLLER
19	ANTENNA
20	VALVE BOX
21	2" X 1" SS REDUCER BUSHING
22	1" SS STREET ELBOW

Pressure Monitoring Station shall be installed in the following location(s): _

Pressure Monitoring Station shall be installed onto the water main, where water pressure shall be monitored. A submersible pressure sensor shall be installed into the monitoring station which shall be servicable from above ground.
The Control enclosure shall be mounted on a customer supplied 2" pipe, on a concrete pad within 10' feet of the Pressure Sensor. A coupling shall be installed at grade to allow the 2" pipe to be removed if the pressure monitoring station is to be moved to a different location. The solar panel shall be mounted on the 2" pipe, above the electrical enclosure, at the direction and angle from the solar panel manual.

Concrete pad shall bear the weight of the the control enclosure and solar panel. Concrete pad shall also bear the force of any reasonable force applied to the highest point of the unit. A flexible conduit shall encase the pressure sensor wire, to protect the wire from damage.

Unit model # shall be 9200i-*-* with *'s specified in accordance with the product ordering guide on the specification sheet as manufactured by Kupferle Foundry Company, St. Louis MO, or approved equal.

NOTES	
A	NOT ALL WIRES AND PIPING SHOWN FOR CLARITY PURPOSES.
C	SOLAR PANEL SHALL BE PROPERLY MAINTAINED TO ALLOW FOR MAXIMUM SOLAR CHARGING HOURS.
F	CUSTOMER SHALL GROUND THE SOLAR PANEL TO PROTECT THE USER AND THE UNIT FROM POTENTIAL ELECTRICAL SHOCK AND/OR LIGHTNING DAMAGE.
G	ITEM TO BE PROVIDED BY OTHERS.

DATE	STATUS / REVISION
05/25/22	UPDATED TO NEW STYLE
03/22/21	NEW RELEASE

	INITIALS	DATE
DRAWN	KJW	03/22/21
APPROVED	KJW	05/25/22
MODIFIED	ADC	04/03/26

#9200i INSTALLATION NOTES

SHEET SIZE B (11x17) | SCALE VARIES

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