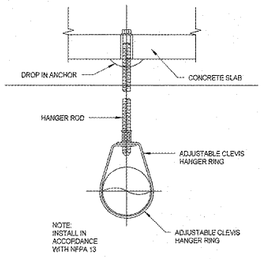
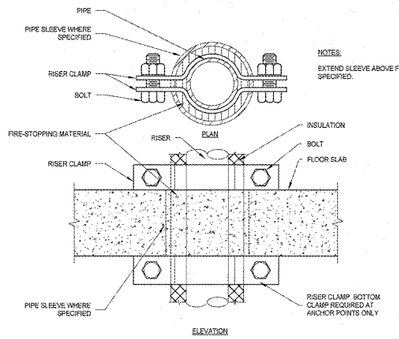
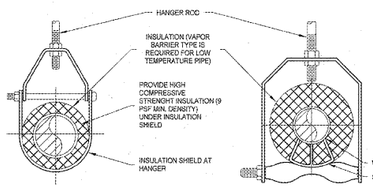


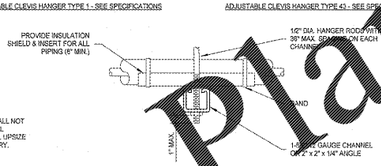
1 PI001 CONCRETE PIPE HANGER DETAIL
N.T.S.



NOTES:
EXTEND SLEEVE ABOVE FLOOR WHERE SPECIFIED.

2 PI001 SUPPORT/ANCHOR FOR PIPE RISERS
N.T.S.



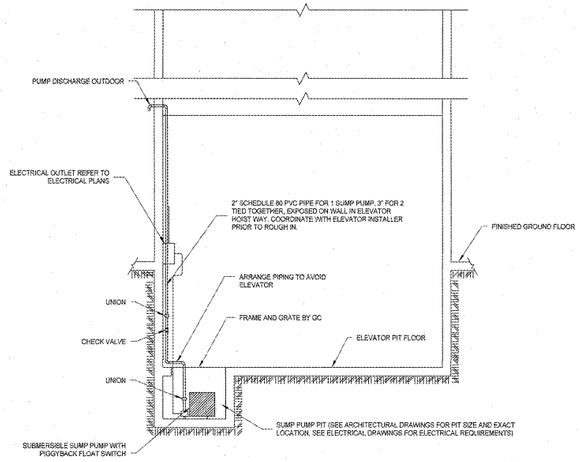


NOTES:
PIPING SUPPORTS SHALL NOT RESTRICT HORIZONTAL MOVEMENT OF PIPING. UPSIZE HANGER AS NECESSARY.

	MAXIMUM PIPE/TUBING SUPPORT SPACING											
NOM.	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8		
PIPE (FT.)	7	7	9	10	11	12	14	16	17	19		
TUBE (FT.)	5 FT.	6	7	8	8	9	10	12	13	14	16	

TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE

3 PI001 PIPE HANGERS
N.T.S.

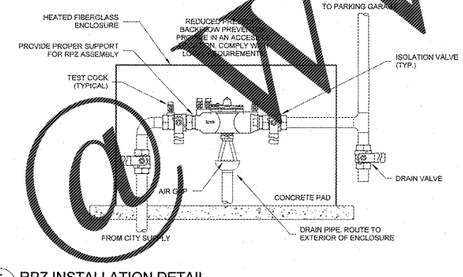


	HARDWARE POINTS				SOFTWARE POINTS						
POINT NAME	AI	AO	BI	BO	AV	BV	LOOP	SCHED	TREND	ALARM	SHOW ON GRAPHIC
PUMP ALARM STATUS			X							X	
TOTALS	0	0	1	0	0	0	0	0	0	1	0
TOTAL HARDWARE (1)					TOTAL SOFTWARE (1)						

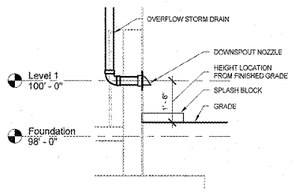
SUMP PUMP CONTROL SEQUENCE:

ON WATER RISE, THE PUMP WILL ACTIVATE WHEN THE FLOAT RISES ABOVE THE "HIGH LIMIT" LEVEL. PUMP WILL REMAIN ON UNTIL THE WATER LEVEL IS BELOW THE "LOW LIMIT". WHEN THE "OFF" FLOAT NO LONGER SENSES WATER IT TURNS THE PUMP OFF.

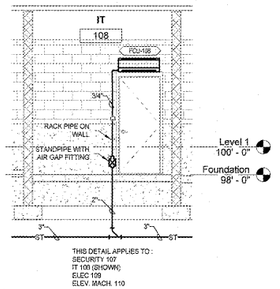
4 PI001 SUMP PUMP DETAIL
N.T.S.



PI001 RPZ INSTALLATION DETAIL
N.T.S.



7 PI001 DOWNSPOUT NOZZLE DETAIL
N.T.S.



8 PI001 CONDENSATE DRAIN DETAIL
1/4" = 1'-0"

PLUMBING GENERAL NOTES

1. THE ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH ALL PROJECT SPECIFICATIONS AND ALL VA STANDARDS. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE TO MANUFACTURER'S WRITTEN RECOMMENDATIONS.
2. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ALL NECESSARY OFFSETS, REROUTING, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
3. THESE PLANS ARE DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS, TEES, ELBOWS, ETC FOR A COMPLETE WORKING PLUMBING SYSTEM.
4. THE PLUMBING CONTRACTOR SHALL COMPLY WITH ALL VA PERMIT AND INSPECTION PROCEDURES REQUIRED FOR THIS WORK.
5. CONTRACTOR SHALL COORDINATE ANY PLUMBING SYSTEM REQUIRING SHUTDOWN WITH THE OWNER IN ADVANCE. SEE SPECIFICATION SECTION 01 00 00 FOR SPECIFIC TIME PERIOD REQUIREMENTS.
6. ALL DOMESTIC PIPING SHOWN IS LOCATED OVERHEAD OR MOUNTED ON THE WALLS UNLESS NOTED OTHERWISE.
7. ALL PIPING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY ALL VA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
8. ALL PIPING PENETRATIONS THRU NEW OR EXISTING WALLS OR FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE NEW OR EXISTING WALL OR FLOOR.
9. ALL PLUMBING SYSTEMS SHALL BE TESTED AS REQUIRED.
10. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL PLUMBING PIPING WITH ALL STRUCTURAL SYSTEMS.
11. THE ENTIRE DOMESTIC WATER SYSTEM SHALL BE DISINFECTED AS REQUIRED.
12. MANUFACTURER'S TRADE NAMES AND NUMBERS USED HEREIN ARE ONLY TO IDENTIFY COLORS, FINISHES, TEXTURES AND PATTERNS AS THE BASIS OF DESIGN. PRODUCTS OF AUTHORIZED EQUAL MANUFACTURER'S EQUIVALENT TO COLORS, FINISHES, TEXTURES AND PATTERNS OF MANUFACTURERS LISTED TO MEET REQUIREMENTS OF TECHNICAL SPECIFICATIONS IN EVERY RESPECT MAY BE ACCEPTABLE WITH SUBMITTAL OF A COMPLIANCE SUBSTITUTION REQUEST CONTAINING ALL PRODUCT DATA, TESTING AND ACTUAL SAMPLES AND UPON APPROVAL IN WRITTING BY CONTRACTING OFFICER.

PLUMBING LEGEND

ST	STORM DRAIN (ST)
OST	OVERFLOW STORM DRAIN (OST)
SAN	SANITARY
DCW	DOMESTIC COLD WATER PIPING (DCW)
	PIPE TURNS UP
	PIPE TURNS DOWN
	CONTINUATION

PLUMBING ABREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
FFE	FINISHED FLOOR ELEVATION
AFF	ABOVE FINISHED FLOOR
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
DCW	DOMESTIC COLD WATER
FCO	FLOOR CLEANOUT (FLOOR OR SLAB)
FD	FLOOR DRAIN
GCO	GRADE CLEANOUT
GW	GREASE WASTE
HB	HOSE BIBB
HD	HUB DRAIN
IW	INDIRECT WASTE
DHW	DOMESTIC HOT WATER
P-#	PLUMBING FIXTURE - NUMBER
P.C.	PLUMBING CONTRACTOR
V	VENT
V.T.R.	VENT THROUGH ROOF
W	WASTE
WCO	WALL CLEANOUT
GD	GARAGE DRAIN
RD	ROOF DRAIN
ORD	OVERFLOW ROOF DRAIN

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTON	WASTE PIPE	COLD WATER	WATER FIXTURE UNITS	REMARKS
FCO	FLOOR CLEANOUT				GREY IRON HOUSING WITH CLAMPING DEVICE
GD-1	PARKING DECK DRAIN FOR SLABS	6"			
GD-2	PARKING DECK DRAIN FOR SLABS	3"			
GD-3	PARKING DECK DRAIN FOR SLABS	8"			
GD-4	PARKING DECK DRAIN FOR SLABS	4"			SEE SPECIFICATION SECTION 22 14 00
ORD-1	ROOF DRAIN, DOME TYPE	3"			
P-HB4	WALL CLIMATE WALL HYDRANT		3/4"		HOSE COUPLING THREADS ON SPOUT, INTEGRAL STOPS AND VACUUM BREAKER, WITH LOOSE KEY, LESS HANDLE
RD-1	ROOF DRAIN, DOME TYPE	3"			
RPZ-1	REDUCED PRESSURE PRINCIPLE ASSEMBLY		1"		PROVIDE AIR GAP FITTING AND INDIRECT WASTE TO OUTSIDE OF ENCLOSURE

SUMP PUMP SCHEDULE

MARK	LOCATION	AREA SERVED	TYPE	FLUID	FLOW	HEAD	TEMP.	MIN % EFF	HP	PHASE	VOLT	SPEED CONTROL	REMARKS
SP-1	ELEV. 102	ELEV. 102	SIMPLEX	WATER	50 GPM	15 fthO2	50 °F	NA	1/2	1	115	NO	WITH HIGH WATER LIMIT ALARM. INTEGRATE ALARM WITH BUILDING AUTOMATION SYSTEM
SP-1	ELEV. 102	ELEV. 102	SIMPLEX	WATER	50 GPM	15 fthO2	50 °F	NA	1/2	1	115	NO	WITH HIGH WATER LIMIT ALARM. INTEGRATE ALARM WITH BUILDING AUTOMATION SYSTEM

REMARKS:
1. WITH OIL/WATER DISCRIMINATING FEATURE, HIGH OIL AND HIGH WATER LIMIT ALARM
2. NON AUTOMATIC SUBMERSIBLE GRINDER PUMP WITH CONTROL PANEL
3. CONTROL PANEL: 3 PHASE SIMPLEX PUMP CONTROL PANEL, 480 V, MOTOR CONTACTOR, NEMA 4X ENCLOSURE, ALARM LIGHT/HORN, PUMP RUN INDICATOR LIGHT, HOA SWITCH, DRY AUXILIARY CONTACT (ALARM STATUS), INTEGRATE DRY AUXILIARY CONTACT WITH BUILDING AUTOMATION SYSTEM

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Revisions:	Date

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BID SET

Drawing Title: PLUMBING NOTES, LEGEND, AND DETAILS	Project Title: CONSTRUCT PARKING GARAGE ON WEST LOT	Project Number: 15.1067 / Building Number:	OFFICE OF FACILITIES MANAGEMENT
Approved for Design Concept: FACILITY MANAGEMENT DIVISION MANAGER	Location: MEMPHIS, TN	Drawing Number: PI001	VA Project Number: 614-319
	Date: 11/14/2016 / Checked By: DJR / Drawn By: ORD		VA U.S. Department of Veterans Affairs

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