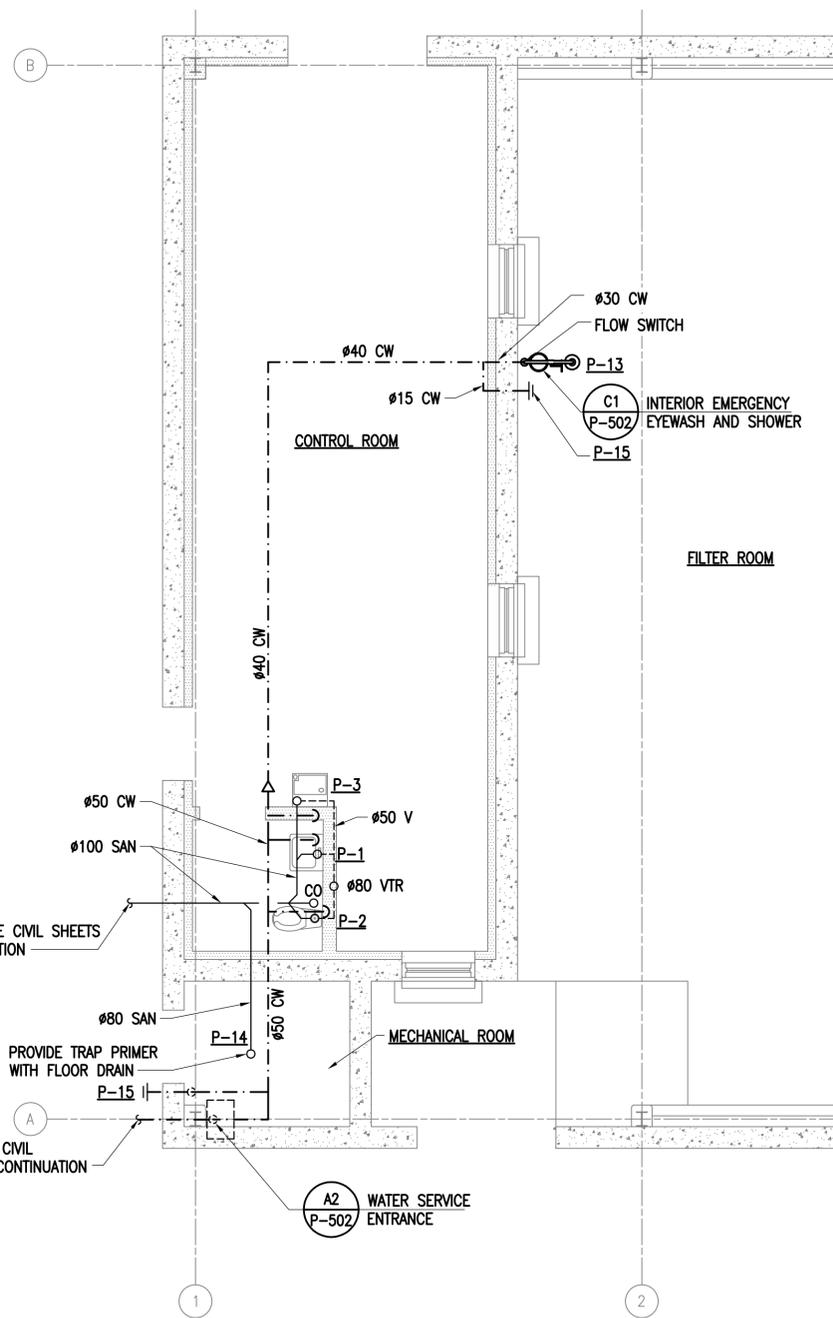


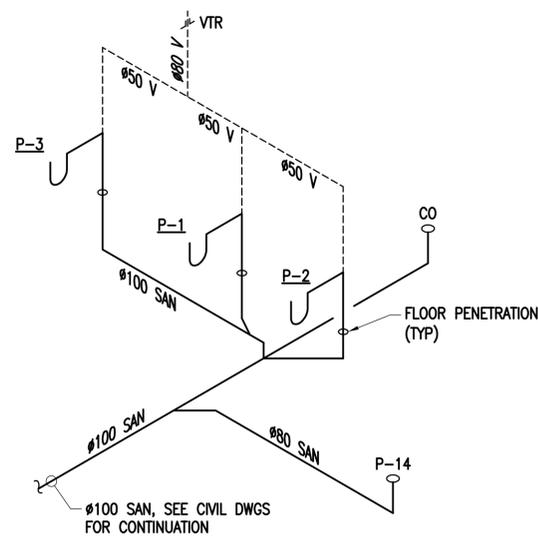
FILE NAME: G:\14 Jobs\14-013 Dhhout - Fuel Storage Facility - NAVFAC LANTCOM AutoCAD\14-013 FILTER BUILDING PLUMBING.dwg LAYOUT NAME: FILTER BUILDING PLUMBING PLOTTED: Thursday, May 05, 2016 - 1:44 pm USER: rhhopkins



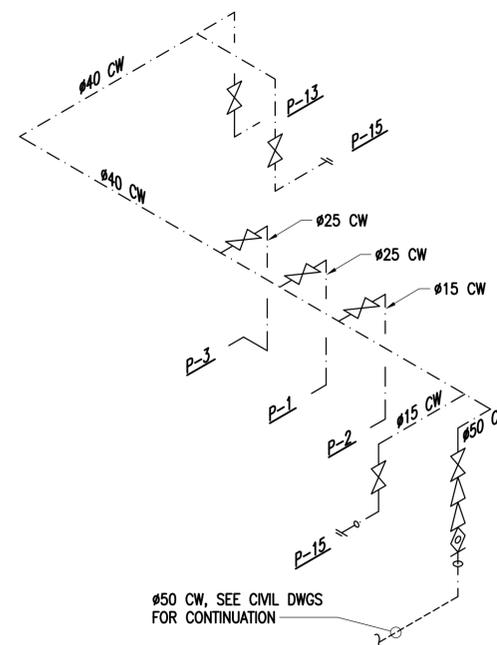
PLAN NORTH
FILTER BUILDING PLUMBING
 SCALE: 1:50

FIXTURE SCHEDULE**				
DESCRIPTION	HW	CW	WASTE	VENT
P-1 LAVATORY	-	15	40	40
P-2 WATER CLOSET	-	25	100	50
P-3 ELECTRIC WATER COOLER	-	20	50	40
P-4 SHOWER *	20	20	80	50
P-5 WATER CLOSET *	-	25	100	50
P-6 EASTERN STYLE WATER CLOSET	-	25	100	50
P-7 URINAL *	-	20	50	50
P-8 LAVATORY *	-	15	40	40
P-9 KITCHEN/LABORATORY SINK *	-	20	50	50
P-10 MOP SERVICE BASIN	-	20	80	50
P-11 ELECTRIC WATER COOLER *	-	20	50	40
P-12 DISHWASHER	-	15	40	-
P-13 EMERGENCY SHOWER	-	30	-	-
P-14 FLOOR DRAIN	-	-	80	-
P-15 WALL HYDRANT	-	15	-	-
P-16 FLOOR DRAIN	-	-	50	-

* ADA COMPLIANT
 ** SEE SHEET M-402 FOR FIXTURES NOT SHOWN ON THIS SHEET.



FILTER BUILDING SANITARY RISER
 SCALE: NONE



FILTER BUILDING WATER RISER DIAGRAM
 SCALE: NONE

PLUMBING NOTES:

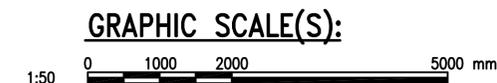
- ALL PLUMBING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (IPC) 2012.
- FOR THE CONTROL ROOM, ALL ABOVEGROUND PIPING SHALL BE CONCEALED FROM VIEW AND ROUTED BETWEEN THE DROP CEILING AND THE CONTROL ROOM CONCRETE ROOF AND IN THE WALLS UNLESS OTHERWISE NOTED.
- FOR THE OPERATIONS BUILDING, ALL ABOVEGROUND PIPING SHALL BE ROUTED IN THE SPACE BETWEEN THE CEILING AND THE JOISTS OR CONCEALED IN THE WALLS, UNLESS OTHERWISE NOTED.
- SHUT-OFF VALVES SHALL BE PROVIDED AT LOCATIONS SHOWN AND AT ALL FIXTURES.
- THE PIPING LAYOUT IS SCHEMATIC IN NATURE AND SHOWS A GENERAL LAYOUT. CONTRACTOR SHALL FIELD ROUTE ALL PIPING INCLUDING, BUT NOT LIMITED TO, DOMESTIC COLD WATER, DOMESTIC HOT WATER, WASTE, DRAIN, AND VENT PIPING AS REQUIRED.
- PROVIDE ACCESS PANELS IN THE WALLS AS NEEDED TO ACCESS SHUT-OFF VALVES.
- SEE ARCHITECTURAL SHEETS FOR HANDICAP ACCESSIBLE FIXTURE INSTALLATION DETAILS.
- MINIMUM SLOPE ON DRAIN/WASTE LINES SHALL BE 2%.
- INSULATE ALL ABOVEGROUND HOT AND COLD WATER LINES.
- DOMESTIC HOT WATER SHALL BE STORED AT 60°C (MINIMUM) AND DISTRIBUTED AT 46° (MINIMUM).

PLUMBING ABBREVIATIONS

- ADA AMERICANS WITH DISABILITIES ACT
- CO CLEANOUT
- CW COLD WATER
- DWGS DRAWINGS
- FD FLOOR DRAIN
- L LITERS
- L/M LITERS/MINUTE
- HW HOT WATER
- SAN SANITARY
- TYP TYPICAL
- V VENT
- VTR VENT THROUGH ROOF
- W WATER OR WASTE
- WH WATER HEATER OR WALL HYDRANT
- CW GREYWATER

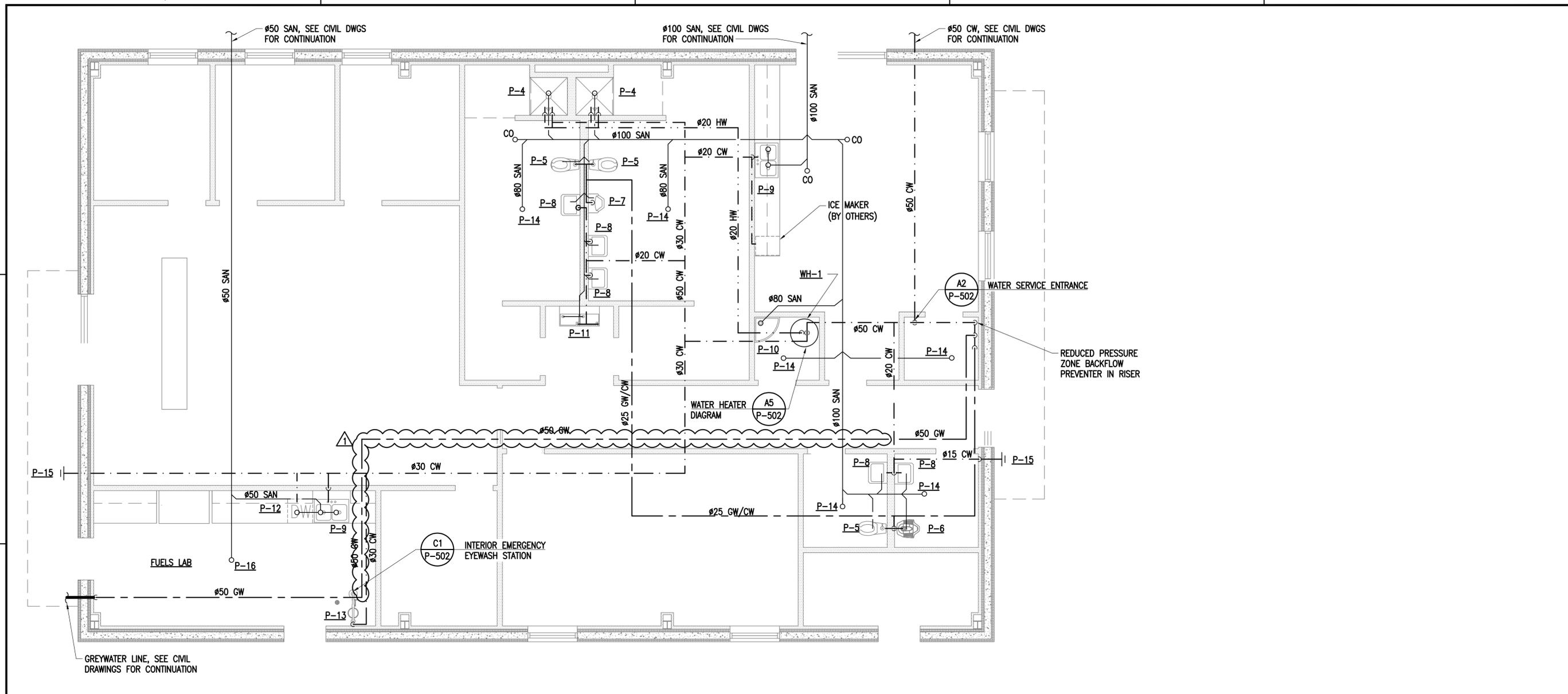
PLUMBING LEGEND

- GREY WATER
- SANITARY
- COLD WATER
- HOT WATER
- VENT
- WALL HYDRANT
- EMERGENCY EYEWASH AND SHOWER
- CONVENTIONAL ELECTRIC WATER HEATER
- △ REDUCER



APPROVED	DATE
FOR COMMANDER NAVFAC	DESCRIPTION
ACTIVITY	SYN
APPROVED BY ANDREA LEMON VIA EMAIL	DATE
SATISFACTORY TO DATE 4/4/16	DATE
DES WRH DRW WMC CHK WVB	DATE
PM/CM LET/RES	DATE
BRANCH MANAGER	DATE
DESIGN DIRECTOR R.B. FITCH, III P.E.	DATE
FIRE PROTECTION	DATE
NAVAL FACILITIES ENGINEERING COMMAND	DATE
NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC	DATE
LANT CAPITAL IMPROVEMENTS	DATE
CAMP LEMONNIER	DATE
DUBOULT AFRICA	DATE
DESC 1701/P-1701	DATE
CONSTRUCT FUEL STORAGE FACILITIES	DATE
FILTER BUILDING PLUMBING	DATE
SCALE: AS NOTED	DATE
EPROJCT NO.: 1344008	DATE
CONSTR. CONTR. NO.	DATE
N62470-16-R-6004	DATE
NAVFAC DRAWING NO.	DATE
14047077	DATE
SHEET 113 OF 186	DATE
P-401	DATE
DRAWFORM REVISION: 10 MARCH 2009	DATE

FILE NAME: G:\14 Jobs\14-013 Djibouti - Fuel Storage Facility - NAVFAC LANT\CAD AutoCAD\VP-402 OPERATIONS BUILDING PLUMBING.dwg LAYOUT NAME: OPERATIONS BUILDING PLUMBING PLOTTED: Thursday, May 05, 2016 - 1:14 pm USER: rhopkins



PLAN NORTH
OPERATIONS BUILDING PLUMBING PLAN
 SCALE: 1:50

NOTE:
 SEE SHEET P-401 FOR SCHEDULES, NOTES, ABBREVIATIONS, AND LEGEND NOT SHOWN ON THIS SHEET.

WATER HEATER SCHEDULE				
UNIT	STORAGE (L)	DEMAND (L/M)	VOLT/PHASE/HZ	REMARKS
WH-1	189	2.7	380/3/50	68 LITER PER HOUR RECOVERY AT 56°C RISE; (2) 4.5 kW ELEMENTS*

* NON-SIMULTANEOUS WIRING



APPR	4/29/16	DATE
SYN	REROUTED PIPING	DESCRIPTION
APPROVED	A/E INFO	
FOR COMMANDER NAVFAC		
ACTIVITY		
APPROVED BY ANDREA LEMON VIA EMAIL		
SATISFACTORY TO	DATE	4/4/16
DES	WRH	DRW WMC
PM/CM	LET/RES	CHK WVB
BRANCH MANAGER		
DESIGN DIRECTOR R.B. FITCH, III P.E.		
FIRE PROTECTION		
NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC NORFOLK, VIRGINIA DIBOUTI, AFRICA CAMP LEMONNIER DESC 1701/P-1701 CONSTRUCT FUEL STORAGE FACILITIES OPERATIONS BUILDING PLUMBING		
SCALE: AS NOTED		
PROJECT NO.: 1344008		
CONSTR. CONTR. NO. N62470-16-R-6004		
NAVFAC DRAWING NO. 14047078		
SHEET 114 OF 186		
P-402		
DRAWFORM REVISION: 10 MARCH 2009		

