



PIPE PENETRATION THROUGH WALLS BELOW GRADE

NTS



DETAIL TITLE / PIPE PENETRATION THROUGH WALLS BELOW GRADE

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD220511-01.DWG

PLUMBING ABBREVIATIONS

ABS: ACRYLONITRILE BUTADIENE STYRENE AC: ALTERNATING CURRENT ACR: AIR CONDITIONING AND

REFRIGERATION

A/E: ARCHITECT/ENGINEER AFF: ABOVE FINISH FLOOR AFG: ABOVE FINISH GRADE

AIR GAP AG: ANALOG INPUT

AISI: AMERICAN IRON AND STEEL

INSTITUTE

AO: ANALOG OUTPUT

ASHRAE: AMERICAN SOCIETY OF HEATING REFRIGERATION, AIR CONDITIONING

ENGINEERS

ASJ: ALL SERVICE JACKET

ASME: AMERICAN SOCIETY OF MECHANICAL

ENGINEERS

ASPE: AMERICAN SOCIETY OF PLUMBING

ENGINEERS

ASR: AUTOMATIC SPRINKLER RISER AWG: AMERICAN WIRE GAUGE

BACNET: BUILDING AUTOMATION AND CONTROL

NETWORK

BAG: SILVER-COPPER-ZINC BRAZING

ALLOY

BAS: BUILDING AUTOMATION SYSTEM BCUP: SILVER-COPPER-PHOSPHORUS

BRAZING ALLOY

BFP: REDUCED PRESSURE BACKFLOW

PREVENTER

BHP: BRAKE HORSEPOWER BTU: BRITISH THERMAL UNIT

BRITISH THERMAL UNIT PER HOUR BTU/H:

BOROSILICATE GLASS PIPE BSG:

CELSIUS C:

CD: COMPACT DISK

CDA: COPPER DEVELOPMENT ASSOCIATION COMPRESSED GAS ASSOCIATION CGA:

CFM: CUBIC FEET PER MINUTE

CO: CLEANOUT

COR: CONTRACTING OFFICER'S

REPRESENTATIVE

CPVC: CHLORINATED POLYVINYL CHLORIDE

CHLOROPRENE CR:

CRS: CORROSION RESISTANT STEEL

CV: CONTROL VALVE

CXA: COMMISSIONING AGENT DB: DECIBELS

DB(A): DECIBELS (A WEIGHTED) DDC: DIRECT DIGITAL CONTROL DFU: DRAINAGE FIXTURE UNITS

DIGITAL INPUT DI: DI: DEIONIZED WATER

DISS: DIAMETER INDEX SAFETY SYSTEM

DN: DIAMETER NOMINAL D0: DIGITAL OUTPUT

DOE: DEPARTMENT OF ENERGY DVD: DIGITAL VIDEO DISC

DISHWASHER DW: DWG: DRAWING

DRAINAGE, WASTE AND VENT DWV:

ECC: ENGINEERING CONTROL CENTER AKA

ELEVATION

EPA: ENVIRONMENTAL PROTECTION

AGENCY

EPACT: ENERGY POLICY ACT

EPDM: ETHYLENE PROPYLENE DIENE

MONOMER

EPT: ETHYLENE PROPYLENE TERPOLYMER

ETO: ETHYLENE OXIDE

EX: **EXISTING**

FAHRENHEIT

FEDERAL ACQUISITION REGULATIONS FAR:

FCO: FLOOR CLEANOUT FD: FLOOR DRAIN

FDC: FIRE DEPARTMENT (HOSE)

CONNECTION

FNPT: FEMALE NATIONAL PIPE THREAD

FOP: FUEL OIL PUMP FOR: FUEL OIL RETURN FOS: FUEL OIL SUPPLY FOV: FUEL OIL VENT

FPM: FLUOROELASTOMER POLYMER

FS: FLOW SWITCH

FSK: FOIL-SCRIM-KRAFT FACING FSS: VA CONSTRUCTION & FACILITIES MANAGEMENT, FACILITY STANDARDS

SERVICE

FU: FIXTURE UNITS



DETAIL TITLE / PLUMBING ABBREVIATIONS

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO .: SD220511-02.DWG

PLUMBING ABBREVIATIONS

GALLON GAL: GCO: GRADE CLEANOUTS GPD: GALLONS PER DAY GALLONS PER HOUR GPH: GPM: GALLONS PER MINUTE GPR: GAS PRESSURE REGULATOR GRS: GAS REGULATOR STATION GREASE TRAP GT: GAS VENT THROUGH ROOF GVTR: H&CW: HOT AND COLD WATER

HB: HOSE BIBB HUB DRAIN HD:

HDPE: HIGH DENSITY POLYETHYLENE HEFP: HEALTHCARE ENVIRONMENT AND FACILITIES PROGRAM (REPLACEMENT

> FOR OCAMES) HEAT EXCHANGER **MERCURY**

HG:

HEX:

HOA: HANDS-OFF-AUTOMATIC HP:

HORSEPOWER

HVE: HIGH VOLUME EVACUATION HWCP: HOT WATER CIRCULATING PUMP

HYDRANT HYD: HZ: HERTZ

ID: INSIDE DIAMETER IE: INVERT ELEVATION

INV: INVERT

IPC: INTERNATIONAL PLUMBING CODE

IPS: IRON PIPE SIZE

KG: KILOGRAM KPA: KILOPASCAL KW: KILOWATT KILOWATT HOUR KWH:

LAV: LAVATORY POUND

LBS/HR: POUNDS PER HOUR LNG: LIQUID NATURAL GAS L/MIN: LITERS PER MINUTE L/S: LITERS PER SECOND

M: METER MEDICAL AIR MA: MEDICAL AIR VENT MAV: MAX: MAXIMUM

1000 BTU PER HOUR MBH:

MECHANICAL EQUIPMENT ROOM MER:

MFG: MANUFACTURER MG: MILLIGRAM

MG/L: MILLIGRAMS PER LITER

ML: MILLILITER MM: MILLIMETER MIN: MINIMUM MEDICAL VACUUM MV:

N2: NITROGEN N20: NITROGEN OXIDE NC: NORMALLY CLOSED NF: OIL FREE DRY (NITROGEN)

NATURAL GAS NG: NIC: NOT IN CONTRACT NO: NORMALLY OPEN

NOM: NOMINAL

NPTF: NATIONAL PIPE THREAD FEMALE

NPS: NOMINAL PIPE SIZE NOMINAL PIPE THREAD NPT:

NOT TO SCALE NTS:

02: OXYGEN OC: ON CENTER

REPLACED BY HEFP OCAMES: OUTSIDE DIAMETER OD: OR: OPERATING ROOM OSD: OPEN SIGHT DRAIN

0S&Y: OUTSIDE STEM AND YOKE

OXY: OXYGEN

PA: PASCAL

PBPU: PREFABRICATED BEDSIDE PATIENT

UNITS

PD: PRESSURE DROP OR DIFFERENCE PDI: PLUMBING AND DRAINAGE INSTITUTE

PG: PRESSURE GAUGE POWER OF HYDROGEN PH: PID: PROPORTIONAL-INTEGRAL-

DIFFERENTIAL

PLC: PROGRAMMABLE LOGIC CONTROLLERS

PP: POLYPROPYLENE PPB: PARTS PER BILLION PPM: PARTS PER MILLION

PRV: PRESSURE REDUCING VALVE PSI: POUNDS PER SQUARE INCH PSIA: POUNDS PER SQUARE INCH

ATMOSPHERE

PSIG: POUNDS PER SQUARE INCH GAUGE

PTFE: POLYTETRAFLUOROETHYLENE POLYVINYL CHLORIDE PVC: PVDF: POLYVINYLIDENE FLUORIDE

PW: POTABLE WATER

RAD: **RADIANS** RD: ROOF DRAIN R0: REVERSE OSMOSIS

RPM: REVOLUTIONS PER MINUTE RTD: RESISTANCE TEMPERATURE

DETECTORS

RTRP: REINFORCED THERMOSETTING RESIN

PIPE



DETAIL TITLE / PLUMBING ABBREVIATIONS

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO .: SD220511-03.DWG

PLUMBING ABBREVIATIONS

SAN: SANITARY SEWER

SCFM: STANDARD CUBIC FEET PER MINUTE

SDI: SILT DENSITY INDEX SDMH: STORM DRAIN MANHOLE

SF: SQUARE FEET

SMACNA: SHEET METAL AND AIR CONDITIONING

CONTRACTORS NATIONAL

ASSOCIATION

SPEC: SPECIFICATION

SPS: STERILE PROCESSING SERVICES

SQFT: SQUARE FEET SS: STAINLESS STEEL

STD: STANDARD

SUS: SAYBOLT UNIVERSAL SECOND

SW: STORM WATER

SWP: STEAM WORKING PRESSURE

TCV: TEMPERATURE CONTROL VALVE

TD: TRENCH DRAIN

TDH: TOTAL DYNAMIC HEAD

TEFC: TOTALLY ENCLOSED FAN-COOLED

TEMP: TEMPERATURE

TFE: TETRAFLUOROETHYLENE

THERM: 100,000 BTU

THHN: THERMOPLASTIC HIGH-HEAT

RESISTANT NYLON COATED WIRE THWN: THERMOPLASTIC HEAT & WATER

RESISTANT NYLON COATED WIRE

TMV: THERMOSTATIC MIXING VALVE T/P: TEMPERATURE AND PRESSURE

TP: TRAP PRIMER
TSTAT: THERMOSTAT
TYP: TYPICAL

USDA: U.S. DEPARTMENT OF AGRICULTURE

V: VOLT

VA: VETERANS ADMINISTRATION
VA CFM: VA CONSTRUCTION & FACILITIES

MANAGEMENT

VA CFM VA CFM CONSULTING SUPPORT

CSS: SERVICE VAC: VACUUM

VAC: VOLTAGE IN ALTERNATING CURRENT VAMC: VETERANS ADMINISTRATION MEDICAL

CENTER

VA TIL: WWW.CFM.VA.GOV/TIL/INDEX.ASP VHA: VETERANS HEALTH ADMINISTRATION

VSD: VARIABLE SPEED DRIVE VTR: VENT THROUGH ROOF

W: WASTE

WAGD: WASTE ANESTHESIA GAS DISPOSAL

WC: WATER CLOSET
WCO: WATER CLEANOUT
WG: WATER GAUGE
WH: WALL HYDRANT
WOG: WATER, OIL, GAS

WPD: WATER PRESSURE DROP

WS: WASTE STACK

WSFU: WATER SUPPLY FIXTURE UNITS

YCO: YARD CLEANOUT YH: YARD HYDRANT



DETAIL TITLE / PLUMBING ABBREVIATIONS

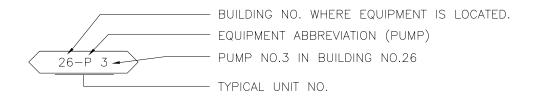
SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD220511-04.DWG

DRAWING SYMBOLS











DETAIL TITLE / DRAWING SYMBOLS

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD220511-05.DWG

PLUMBING PIPING SYMBOLS

	DOMESTIC COLD WATER, COLD WATER
	DOMESTIC HOT WATER, HOT WATER
	DOMESTIC HOW WATER RETURN, HOT WATER RETURN
MA MA MA	MEDICAL AIR
MV MV	MEDICAL VACUUM
LA LA LA	LABORATORY AIR
— LV —— LV ——	LABORATORY VACUUM
—— OA ——— OA ———	ORAL EVACUATION
IA IA	INDUSTRIAL AIR
— D — D — D —	DRAIN
	VENT (SANITARY)
— ss — ss — ss —	SOIL, WASTE, OR SANITARY SEWER
SAN SAN	SANITARY SEWER, BELOW GRADE
—— SD ——— SD ———	STORM WATER
SD SD	STORM WATER, BELOW GRADE
scwscw	SOFTEN COLD WATER
FCWFCW	FILTERED COLD WATER
——DWS——DWS——	DRINKING WATER SUPPLY
DWRDWR	DRINKING WATER RETURN
—— TWS ——— TWS ———	TEMPERED WATER SUPPLY
TWR TWR	TEMPERED WATER RETURN
	NITROUS OXIDE
0 0 0	OXYGEN
N ₂ N ₂	NITROGEN
—— NG —— NG ——	NATURAL GAS
NG NG	NATURAL GAS, BELOW GRADE
—— FOD ——— FOD ——	FUEL OIL DISCHARGE
—— FOS ——— FOS ———	FUEL OIL SUPPLY
—— FOV ——— FOV ——	FUEL OIL VENT
FORFOR	FUEL OIL RETURN

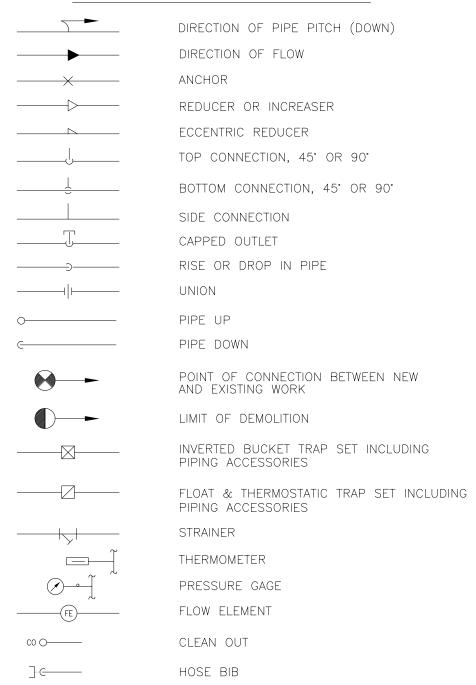


DETAIL TITLE / PLUMBING PIPING SYMBOLS

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD220511-06.DWG

GENERAL PLUMBING SYMBOLS



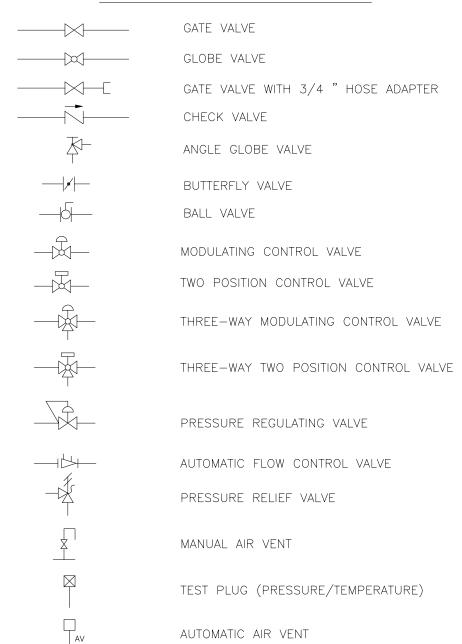


DETAIL TITLE / GENERAL PLUMBING SYMBOLS

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD220511-07.DWG

PLUMBING VALVE SYMBOLS

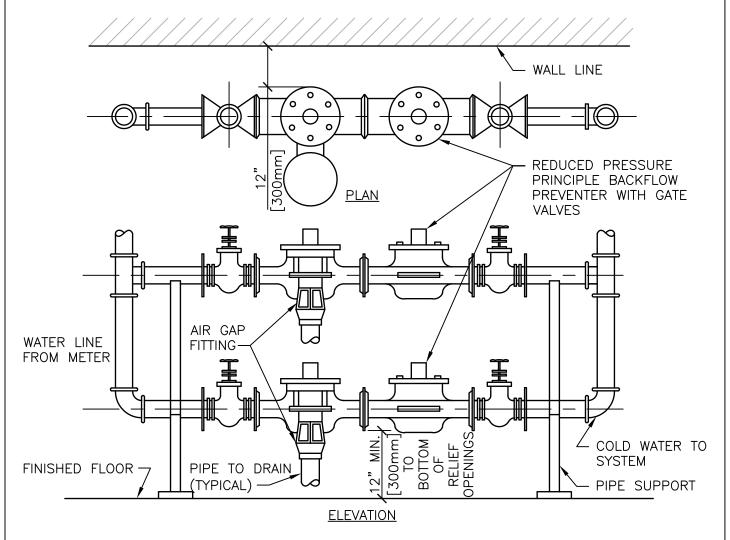




DETAIL TITLE / PLUMBING VALVE SYMBOLS

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD220511-08.DWG





BACKFLOW PREVENTER PIPING DETAIL

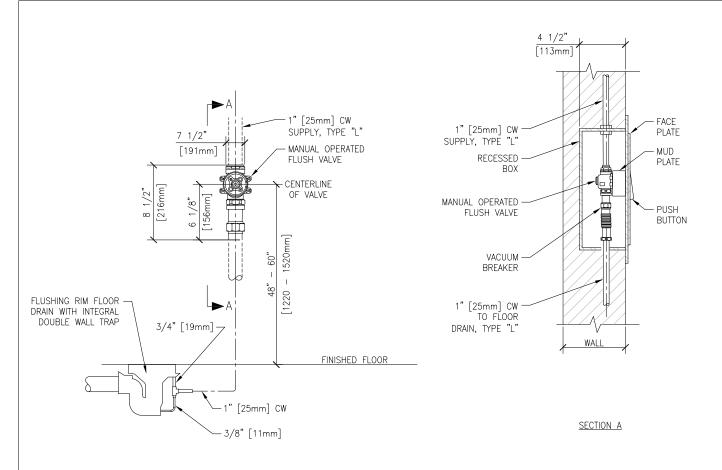
NTS

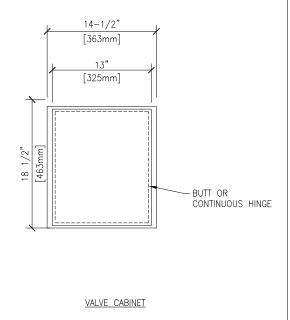


DETAIL TITLE / BACKFLOW PREVENTER PIPING DETAIL

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD221100-01.DWG





ELEVATION



FLUSHING RIM FLOOR DRAIN "L" CYSTOSCOPY ROOM

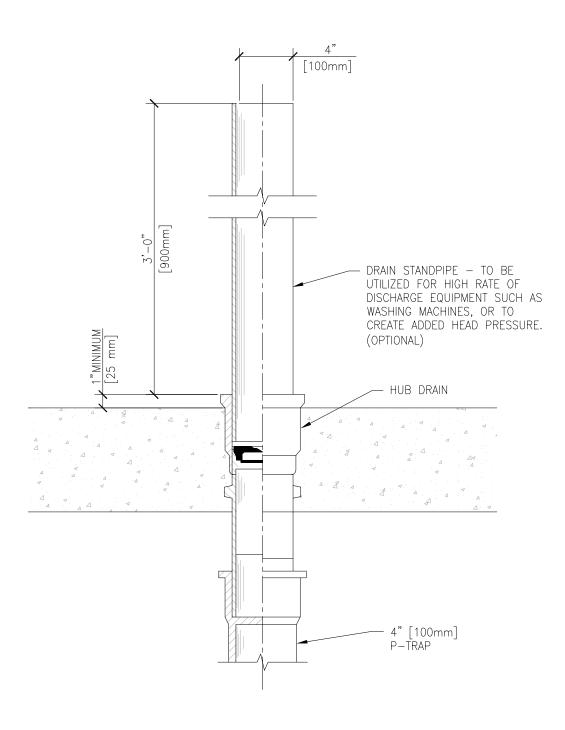
NTS



DETAIL TITLE / FLUSHING RIM FLOOR DRAIN "L" CYSTOSCOPY ROOM

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD221300-01.DWG





TYPE "W" HUB DRAIN WITH STANDPIPE

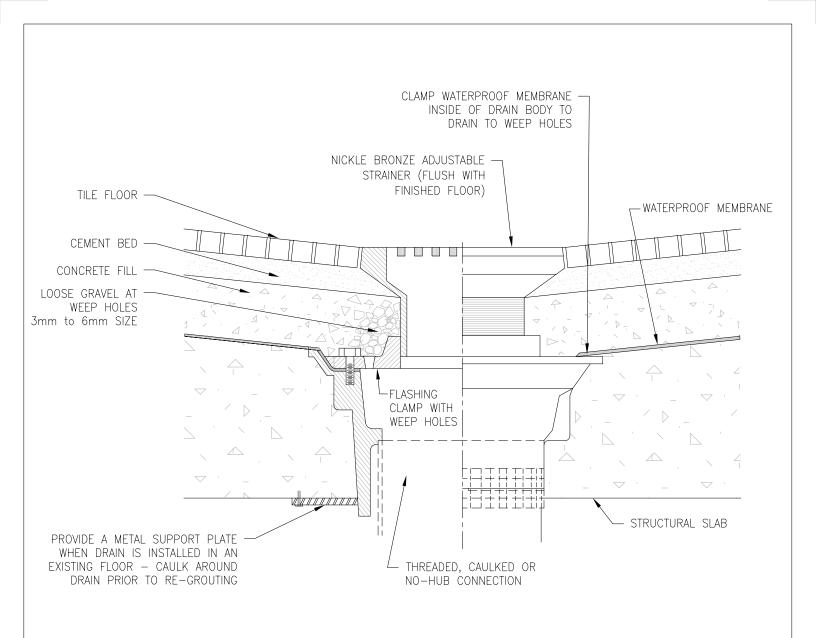
NTS



DETAIL TITLE / TYPE 'W' HUB DRAIN WITH STANDPIPE

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD221300-02.DWG



NOTE: SLOPE MEMBRANE LINER 2% TO DRAIN.



TYPE "C" FLOOR DRAIN DETAIL

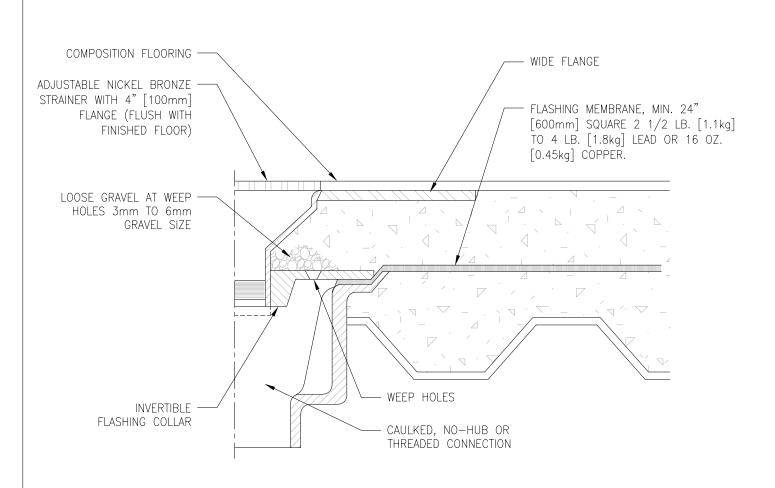
NTS



DETAIL TITLE / TYPE "C" FLOOR DRAIN

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD221300-03.DWG



NOTES:

- 1. SLOPE MEMBRANE LINER 2% TO DRAIN.
- 2. PROVIDE FLASHING MEMBRANE WHEN DRAIN IS INSTALLED IN A NON-MEMBRANE FLOOR



TYPE "D" FLOOR DRAIN DETAIL

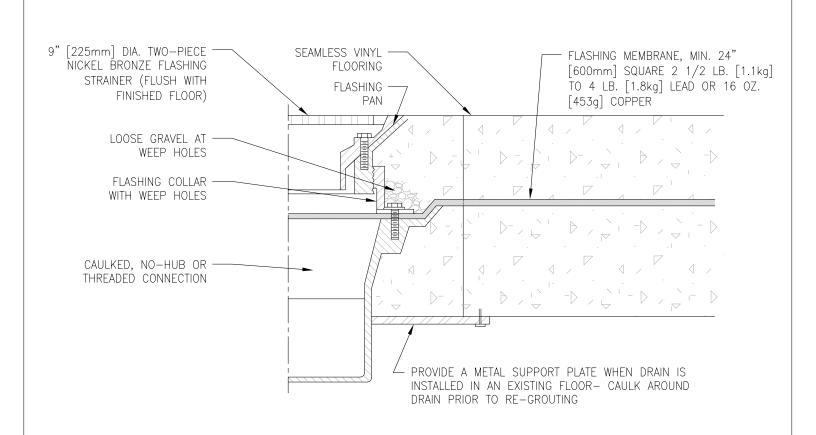
NTS



DETAIL TITLE / TYPE "D" FLOOR DRAIN

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD221300-04.DWG



NOTES:

- 1. SLOPE MEMBRANE LINER 2% TO DRAIN.
- 2. PROVIDE FLASHING MEMBRANE WHEN DRAIN IS INSTALLED IN A NON-MEMBRANE FLOOR



TYPE "F" FLOOR DRAIN DETAIL

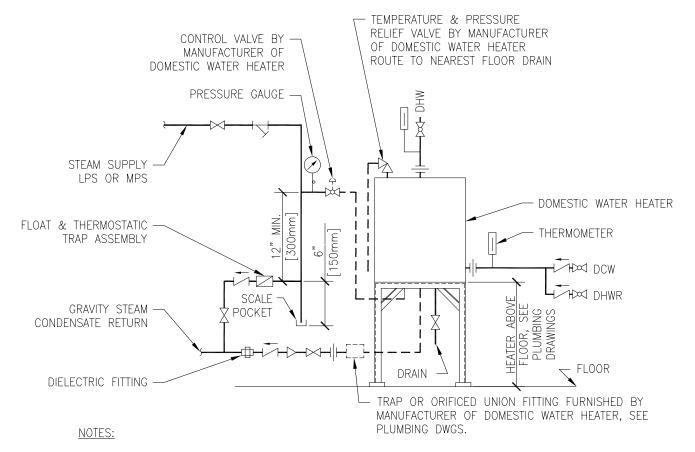
NTS



DETAIL TITLE / TYPE "F" FLOOR DRAIN

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD221300-05.DWG



- 1. VERTICAL COIL TYPE DOMESTIC WATER HEATER IS SHOWN. IF HORIZONTAL TUBE BUNDLE TYPE IS FURNISHED, PIPING SHALL BE SIMILAR.
- 2. SEE PLUMBING DRAWINGS FOR PIPING CONNECTIONS.
- 3. PIPING TO UPPER HEATER HEAD SHOULD BE PROVIDED WITH UNION OR FLANGES, LOCATED OUTSIDE THE OUTER DIAMETER OF HEAD TO FACILITATE REMOVAL OF HEAD AND SHELL.
- 4. PIPING BETWEEN CONTROL VALVE AND HEATER CONNECTION SHOULD BE AS SHORT AS POSSIBLE.
- 5. PROVIDE INTEGRAL OR EXTERNAL HEAT TRAPS.
- 6. PROVIDE HOSE CONNECTION TO DRAIN.

DESIGNER'S NOTES:

ENSURE ENOUGH HEIGHT IS PROVIDED SO CONDENSATE CAN RETURN BY GRAVITY. SIZE END OF MAIN TRAP SET ON FLOOR PLANS. IF STEAM PRESSURE IS 5 PSIG [34 kPa] OR LOWER FURNISH CONTROL AIR FOR CONTROLS. WITH 30 PSIG [206 kPa] STEAM CONTROLS ARE PILOT OPERATED.



CONNECTIONS TO DOMESTIC WATER HEATER

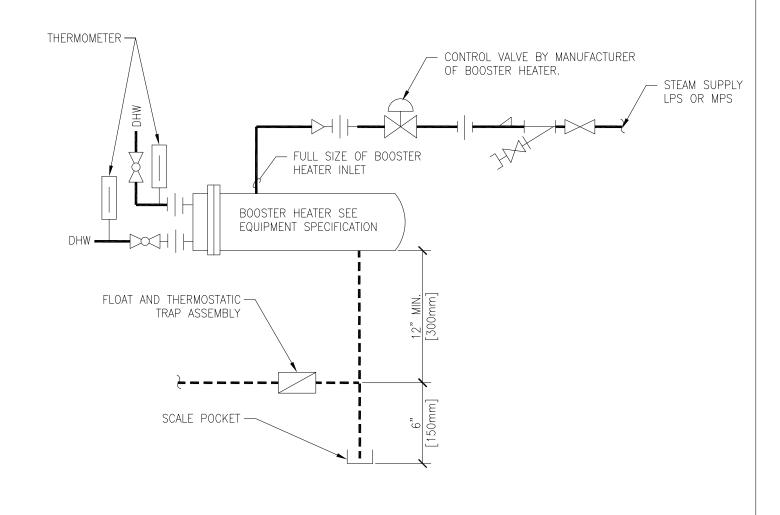
NTS



DETAIL TITLE / CONNECTIONS TO DOMESTIC WATER HEATER

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD223500-01.DWG



NOTES:

- 1. ALL STEAM BOOSTER HEATERS REQUIRED BY EQUIPMENT SPECIFICATION SHALL BE PIPED AS SHOWN ABOVE.
- 2. SEE EQUIPMENT SPECIFICATION AND PLUMBING DRAWINGS FOR PIPING CONNECTIONS.



CONNECTIONS TO DOMESTIC WATER BOOSTER HEATER

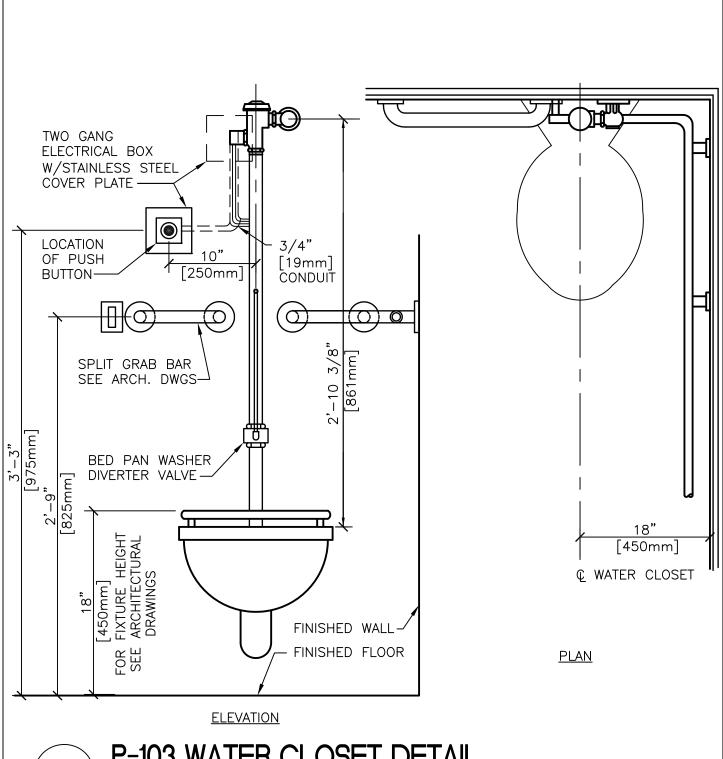
NTS



DETAIL TITLE / CONNECTIONS TO DOMESTIC WATER BOOSTER HEATER

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD223500-02.DWG





P-103 WATER CLOSET DETAIL

NTS

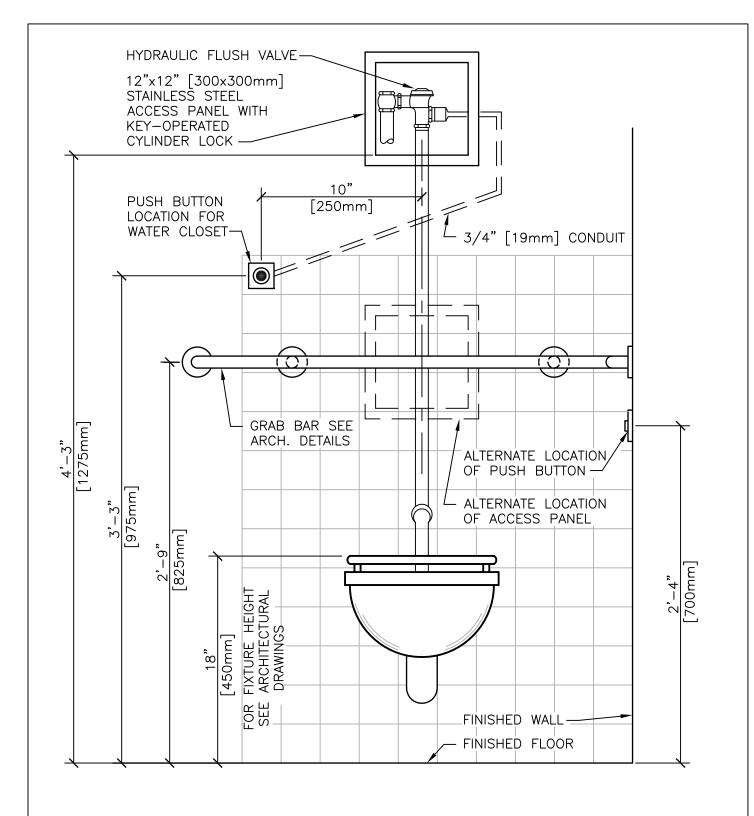
Department of Veterans Affairs DETAIL TITLE / P-103 WATER CLOSET DETAIL

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015

CAD DETAIL NO .:

SD224000-01.DWG





P-111 WATER CLOSET

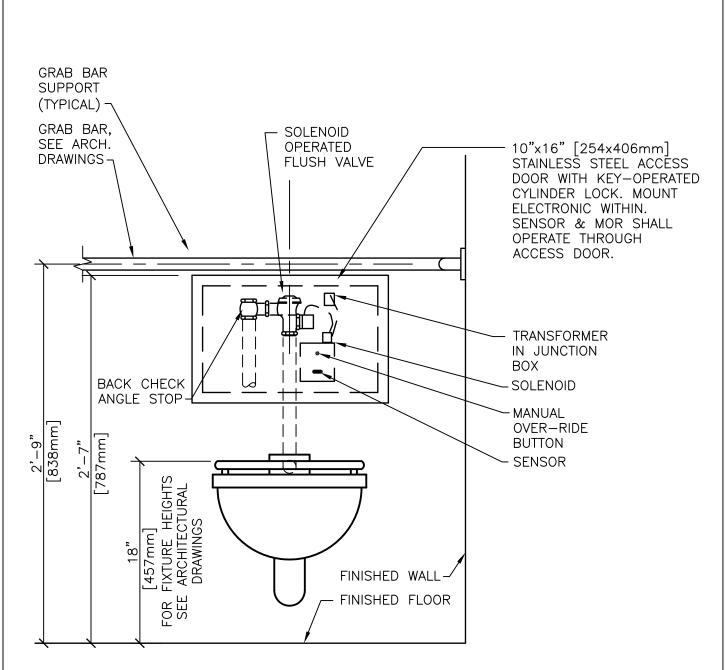
NTS



DETAIL TITLE / P-111 WATER CLOSET

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-03.DWG





P-112 WATER CLOSET DETAIL - SENSOR OPERATED

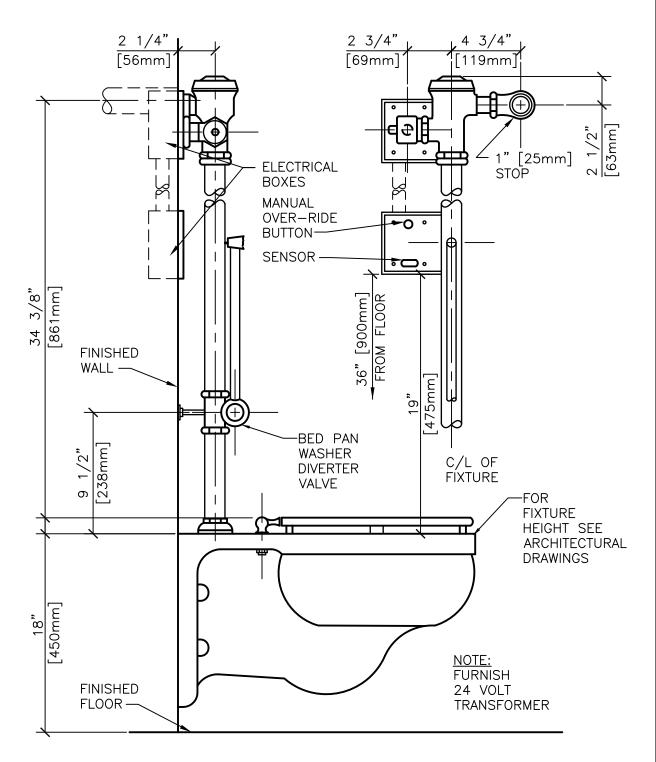
NTS

Department of Veterans Affairs

DETAIL TITLE / P-112 WATER CLOSET DETAIL - SENSOR OPERATED

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-04.DWG





P-113 WATER CLOSET DETAIL - SENSOR OPERATED

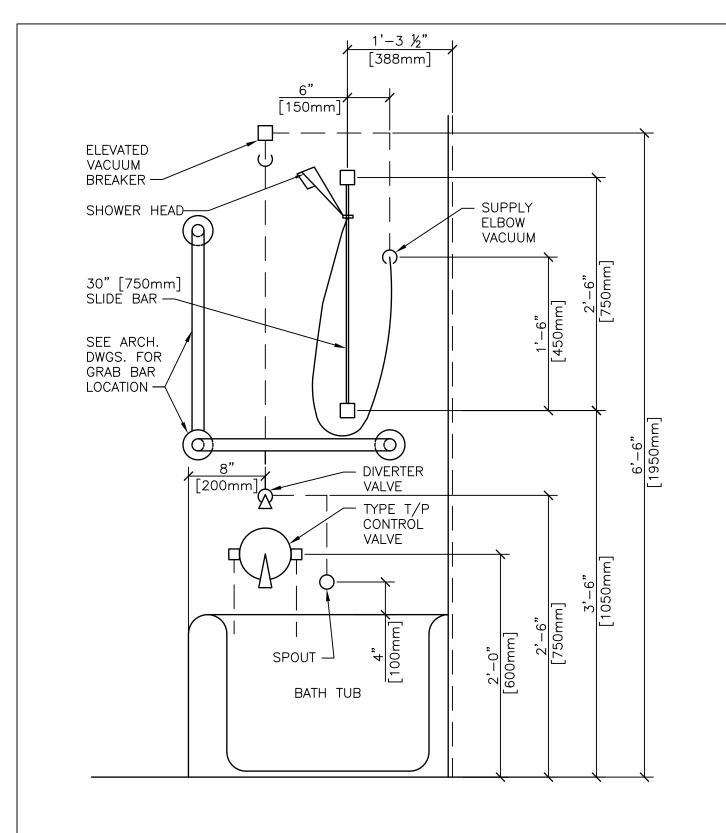
NTS



DETAIL TITLE / P-113 WATER CLOSET DETAIL - SENSOR OPERATED

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-05.DWG





P-302 PATIENT BATHTUB ROUGH-IN

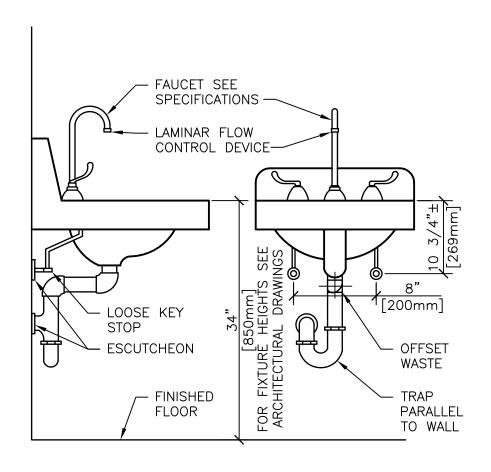
NTS



DETAIL TITLE / P-302 PATIENT BATHTUB ROUGH-IN

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-06.DWG





TYPICAL WHEELCHAIR LAVATORY DETAIL

NTS

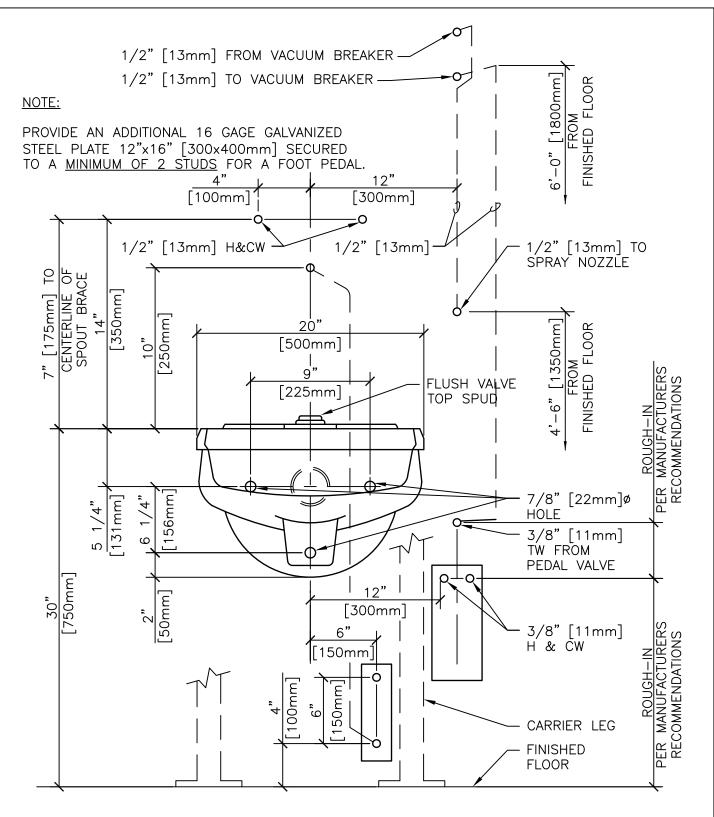
NOTE:
PROVIDE COVER
FOR EXPOSED
PIPING

Department of Veterans Affairs

DETAIL TITLE / TYPICAL WHEELCHAIR LAVATORY DETAIL

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-08.DWG





P-505 CLINIC SERVICE SINK ROUGH-IN DETAIL

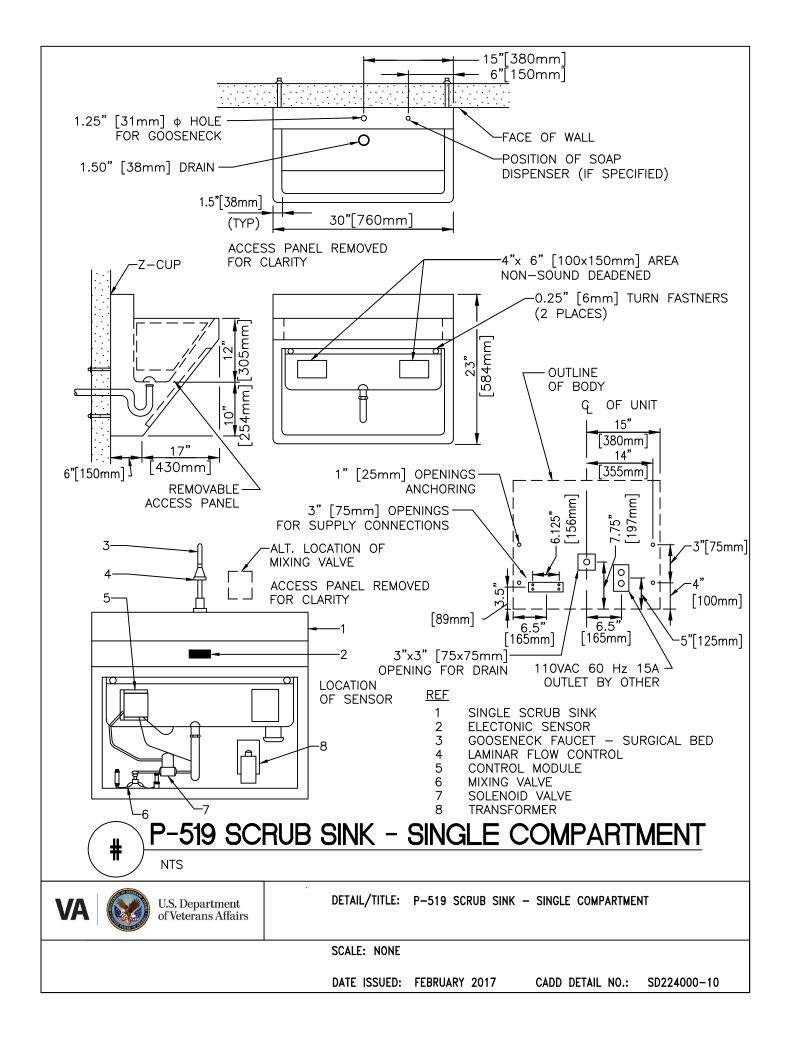
NTS

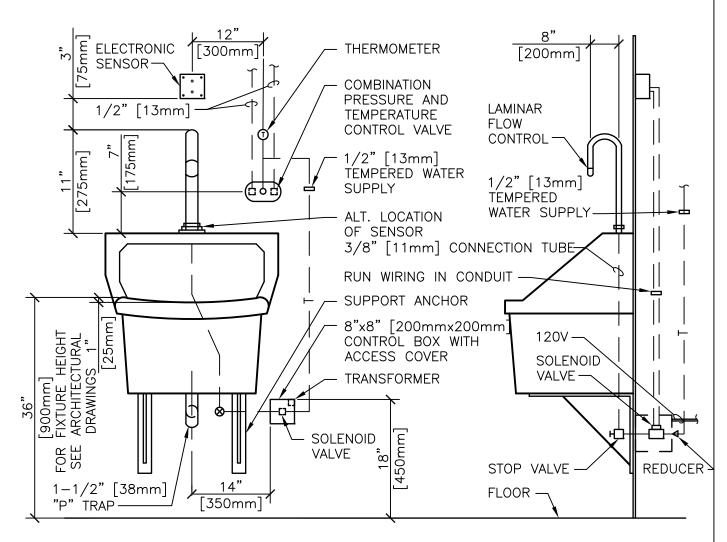


DETAIL TITLE / P-505 CLINIC SERVICE SINK ROUGH-IN DETAIL

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-09.DWG







P-520 SURGEONS SCRUB SINK DETAIL

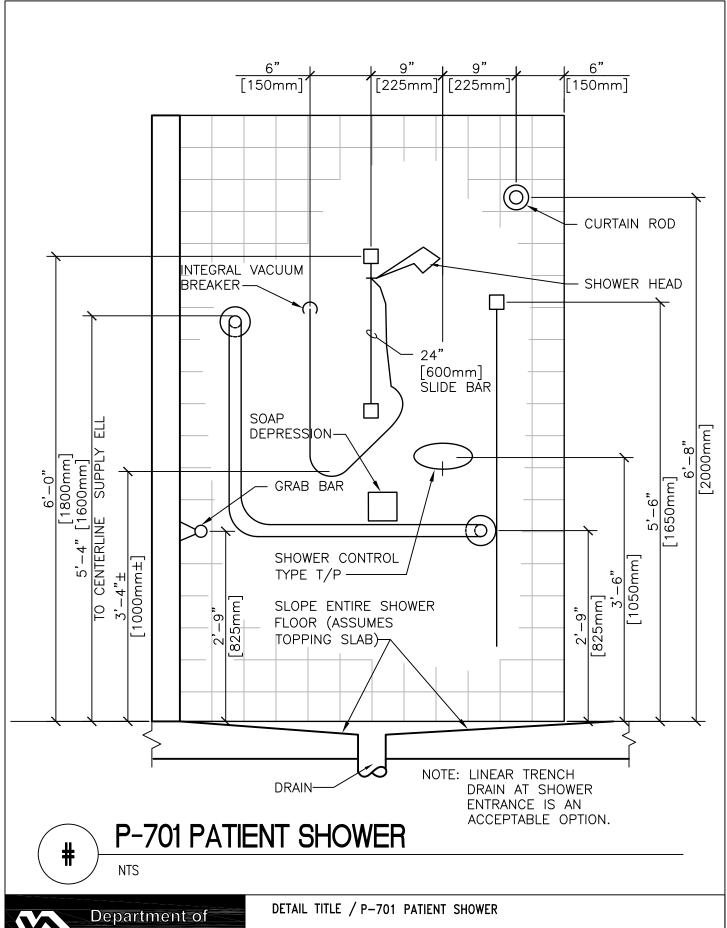
NTS

Department of Veterans Affairs

DETAIL TITLE / P-520 SURGEONS SCRUB SINK DETAIL

SCALE: NONE

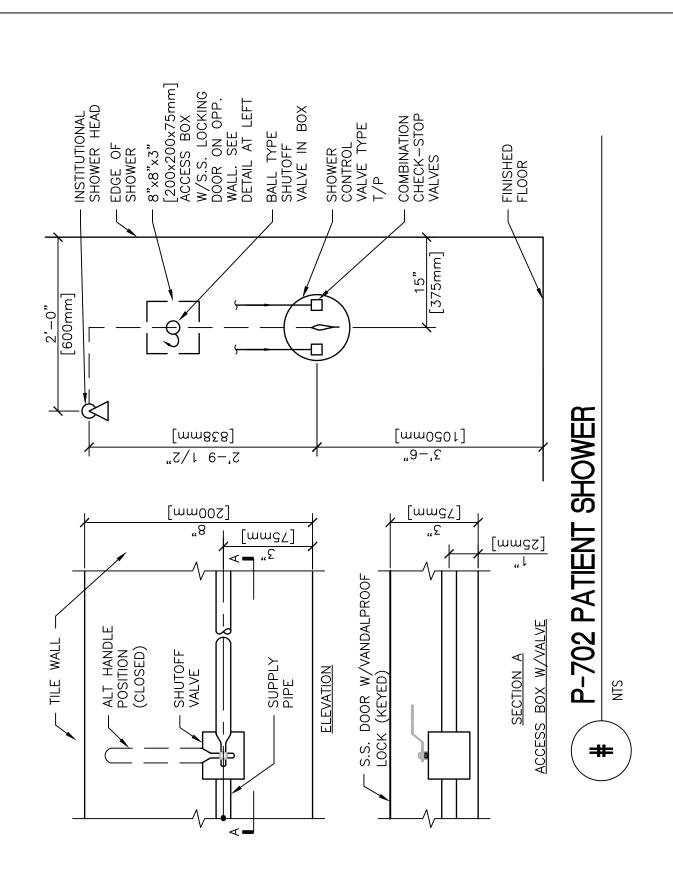
DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-11.DWG



Veterans Affairs

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CADD DETAIL NO. : SD224000-13.DWG

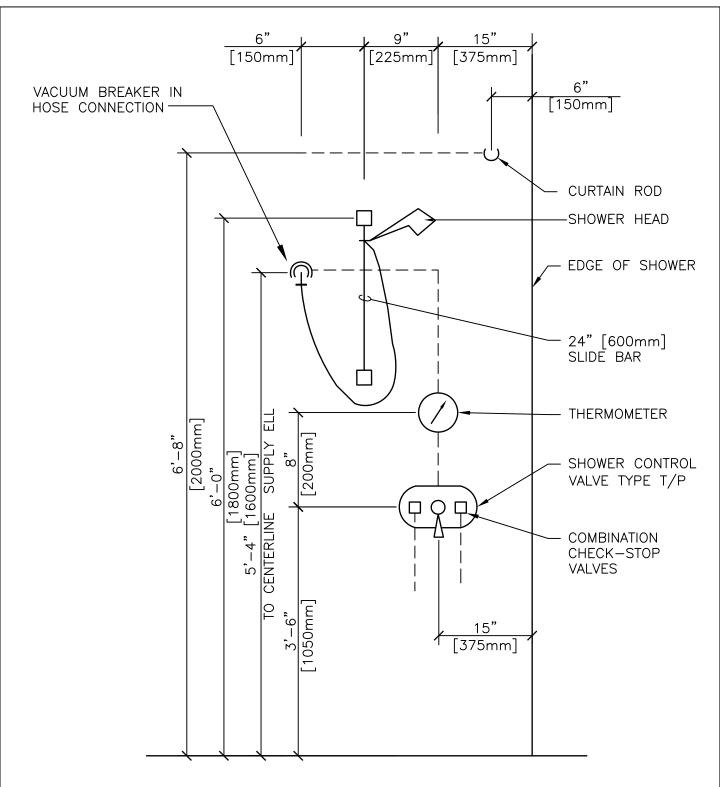




DETAIL TITLE / P-702 PATIENT SHOWER

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-14.DWG





P-711 SHOWER (SPINAL CORD)

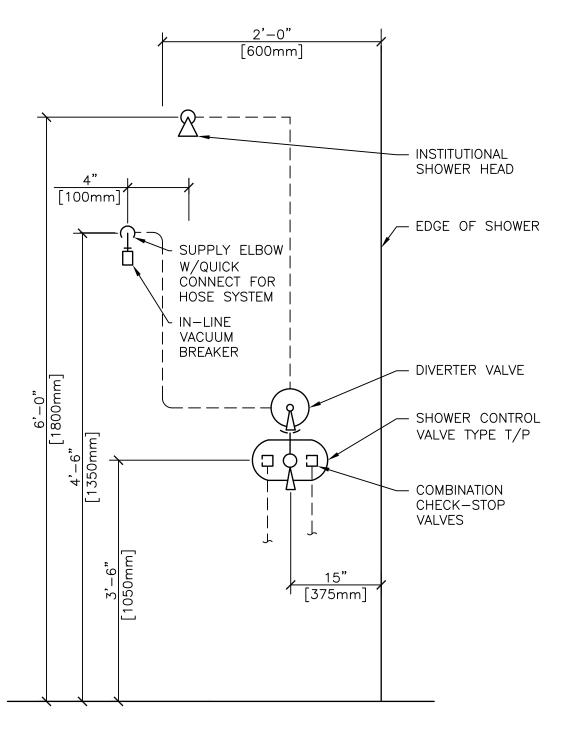
NTS (HAND HELD)



DETAIL TITLE / P-711 SHOWER (SPINAL CORD)

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-15.DWG





P-703 SHOWER (SPINAL CORD)

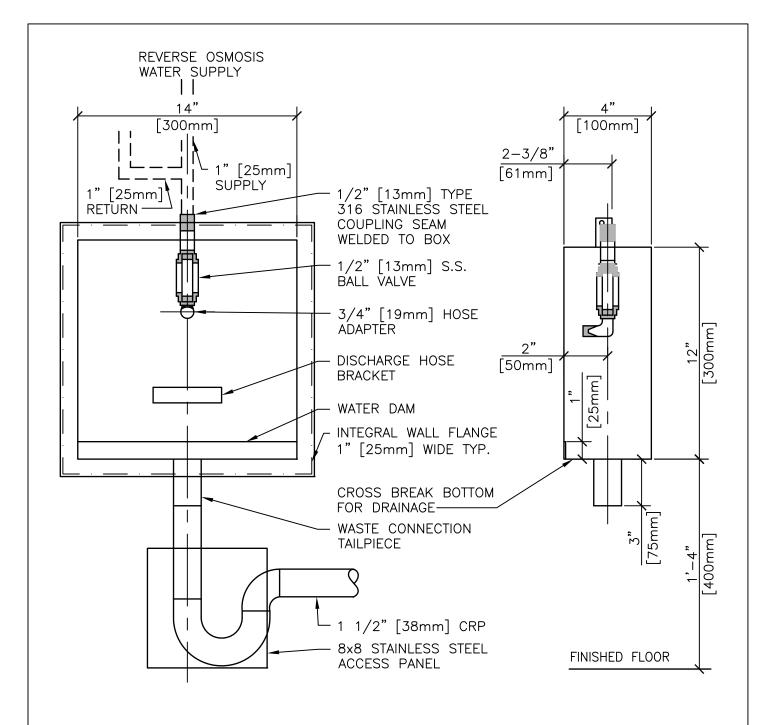
NTS



DETAIL TITLE / P-703 SHOWER (SPINAL CORD)

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-16.DWG





(P-809) DIALYSIS BOX DETAIL

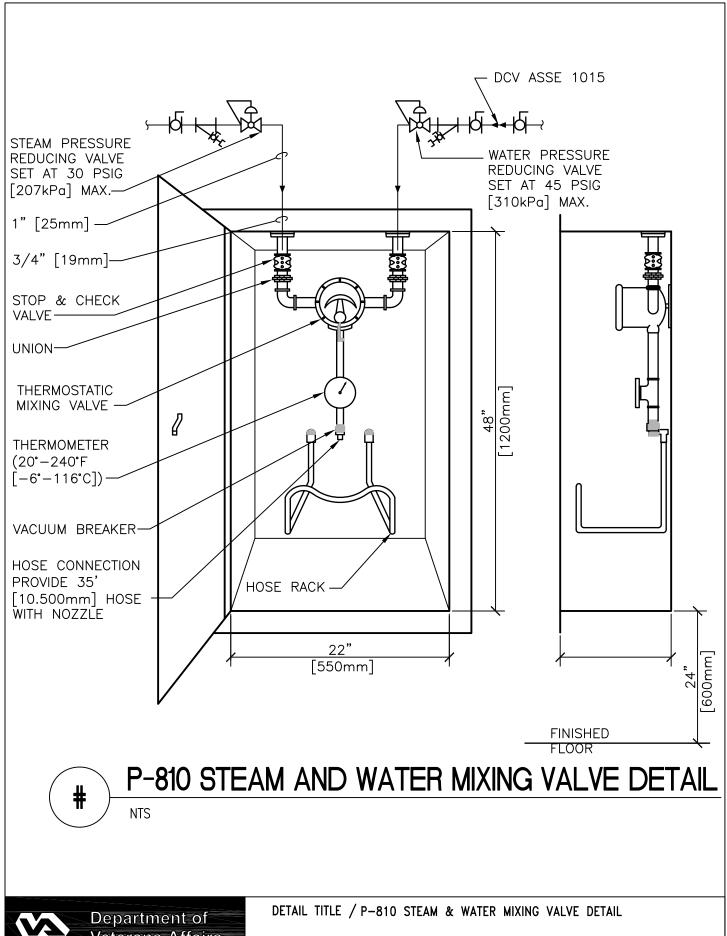
NTS



DETAIL TITLE / (P-809) DIALYSIS BOX DETAIL

SCALE: NONE

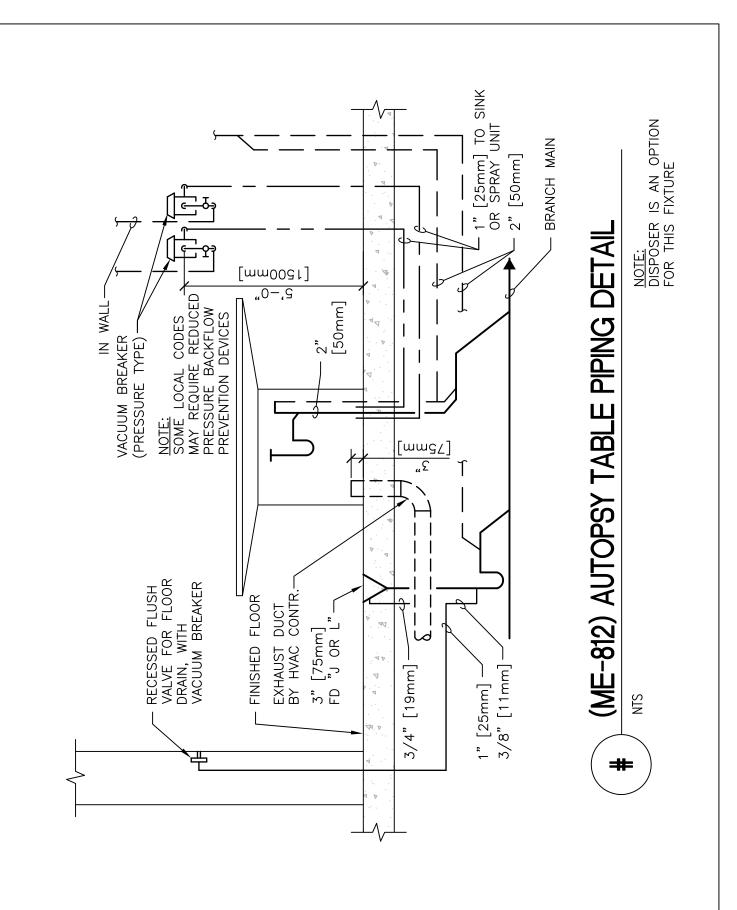
DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-17.DWG



Veterans Affairs

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO .: SD224000-18.DWG





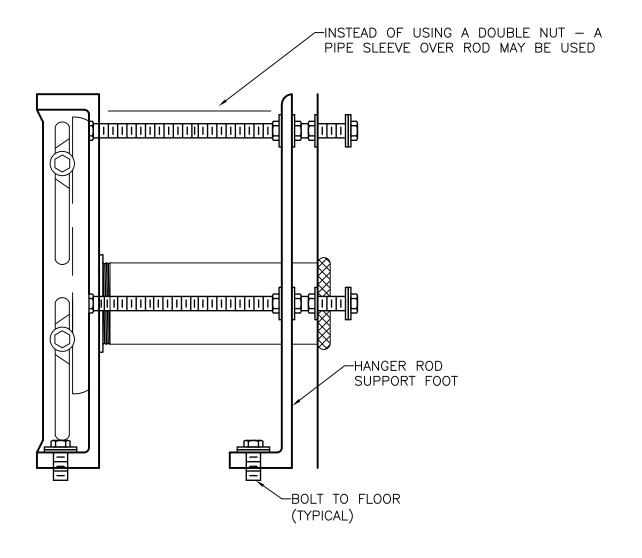
DETAIL TITLE / (ME-812) AUTOPSY TABLE PIPING DETAIL

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015

CAD DETAIL NO .:

SD224000-19.DWG



INSTALLATION OF HANGER SUPPORT FOOT



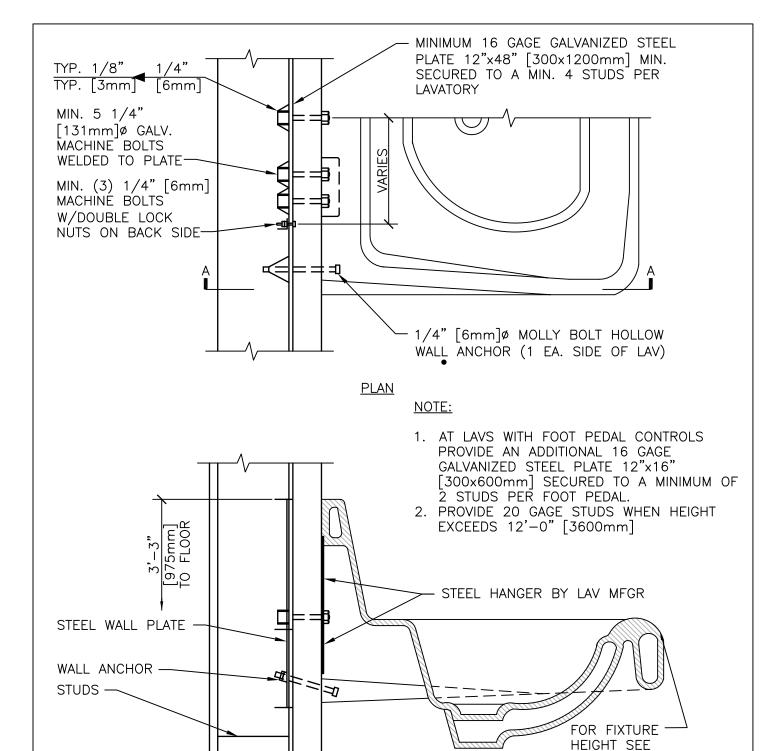
NTS



DETAIL TITLE / INSTALLATION OF HANGER SUPPORT FOOT

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CADD DETAIL NO. : SD224000-20.DWG





LAVATORY MOUNTING DETAIL

NTS



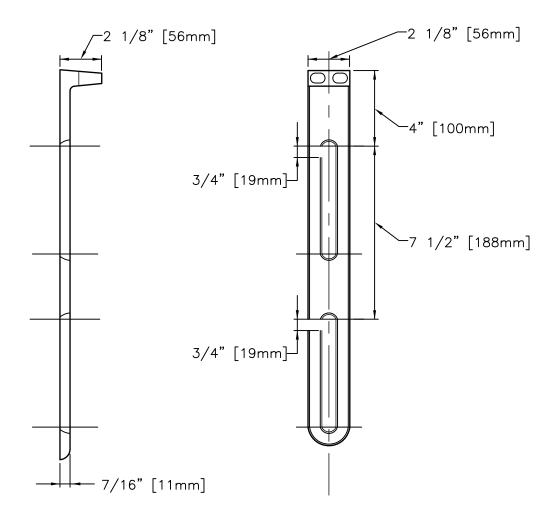
DETAIL TITLE / LAVATORY MOUNTING DETAIL

SECTION A

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD224000-21.DWG

ARCHITECTURAL DRAWINGS





HANGER ROD SUPPORT FOOT

NTS

Department of Veterans Affairs

DETAIL TITLE / HANGER ROD SUPPORT FOOT

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CADD DETAIL NO. : SD224000-22.DWG

DENTAL AIR (DA) ALARM PANEL SCHEDULE				
LOCATION	TYPE OF PANEL	GAGES	SERVICE INDICATOR LIGHTS	
BOILER PLANT CONTROL OFFICE -OR- ENGINEERING CONTROL CENTER (ECC) -OR- OTHER LOCATION WITH ENGINEERING PERSONNEL SUPERVISION -AND- DENTAL RECEPTION AREA	MASTER (SYSTEM) ALARM PANEL	NO	DENTAL AIR (DA) DEW POINT HIGH DA FILTER PRESS DROP HIGH DA HIGH TEMP SHUTDOWN DA LOW LUBRICANT DA CARBON MONOXIDE LEVEL HIGH DA LINE PRESSURE LOW DA LINE PRESSURE HIGH DESICCANT DRYER MALFUNCTION TEST BUTTON	

NOTES TO DESIGNER:

- 1. LOCATE MASTER ALARM PANELS IN CONFORMANCE WITH INDIVIDUAL MEDICAL CENTER'S OPERATING PRACTICES FOR CRITICAL ALARM LOCATIONS.
- 2. INDICATE ROOM NUMBERS WHERE PANELS ARE TO BE LOCATED.



DENTAL AIR ALARM PANEL SCHEDULE

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DETAIL TITLE / DENTAL AIR ALARM PANEL SCHEDULE

SCALE: NONE

DATE ISSUED: SEPTEMBER 1, 2020 CAD DETAIL NO.: SD226119_74-01.DWG

MEDICAL GAS ALARM PANEL SCHEDULE

LOCATION	TYPE OF PANEL	GAGES	SERVICE INDICATOR LIGHTS
BOILER PLANT CONTROL OFFICE -OR- ENGINEERING CONTROL CENTER (ECC) -OR- OTHER LOCATION WITH ENGINEERING PERSONNEL SUPERVISION -AND- INTENSIVE CARE NURSING -OR- FIRE STATION -OR- PHONE SWITCHBOARD -OR- SECURITY OFFICE		NO	LIQUID OXYGEN LEVEL LOW OXYGEN RESERVE SWITCHOVER OXYGEN RESERVE IN USE OXYGEN RESERVE LOW LIQUID LEVEL OXYGEN RESERVE PRESSURE LOW OXYGEN MAIN LINE PRESSURE LOW OXYGEN MAIN LINE PRESSURE HIGH NITROUS OXIDE CHANGE OVER TO SECONDARY NITROUS OXIDE RESERVE IN USE NITROUS OXIDE MAIN LINE PRESSURE LOW NITROUS OXIDE MAIN LINE PRESSURE HIGH NITROGEN CHANGE OVER TO SECONDARY NITROGEN RESERVE IN USE NITROGEN MAIN LINE PRESSURE LOW NITROGEN MAIN LINE PRESSURE HIGH MEDICAL AIR DEWPOINT HIGH MA COMPRESSOR MALFUNCTION MEDICAL AIR MAIN LINE PRESSURE LOW MEDICAL AIR MAIN LINE PRESSURE HIGH MA SYSTEM CARBON MONOXIDE HIGH DESICCANT DRYER MALFUNCTION DESICCANT DRYER MALFUNCTION DESICCANT DRYER MALFUNCTION DESICCANT DRYER POST FILTER DIRTY MAIN LINE FILTER BANK DIRTY MA REFRIGERATED DRYER POST FILTER DIRTY AFTER COOLER HIGH AIR TEMPERATURE MEDICAL VACUUM LINE VACUUM LOW MEDICAL VACUUM FILTER BACK PRESSURE TEST BUTTON
SURGERY CONTROL ROOM	AREA ALARM PANEL	YES	OXYGEN LINE PRESSURE ABNORMAL NITROUS OXIDE LINE PRESSURE ABNORMAL NITROGEN LINE PRESSURE ABNORMAL MEDICAL AIR LINE PRESSURE ABNORMAL MEDICAL VACUUM LINE VACUUM LOW TEST BUTTON
RECOVERY ROOMS CRITICAL CARE AREAS EMERGENCY AREAS PATIENT AREAS	AREA (ZONE) ALARM PANEL	YES	OXYGEN LINE PRESSURE ABNORMAL NITROUS OXIDE LINE PRESSURE ABNORMAL NITROGEN LINE PRESSURE ABNORMAL MEDICAL AIR LINE PRESSURE ABNORMAL MEDICAL VACUUM LINE VACUUM LOW TEST BUTTON

DESIGNER'S NOTES:

- 1. LOCATE MASTER ALARM PANELS IN CONFORMANCE WITH INDIVIDUAL MEDICAL CENTER OPERATING PRACTICES FOR CRITICAL ALARM LOCATIONS.
- 2. INDICATE ROOM NUMBERS WHERE PANELS ARE TO BE LOCATED.
- 3. ADD ADDITIONAL MIXED GAS ALARMS AS REQUIRED TO THE MASTER AND AREA ALARM PANELS.



DETAIL TITLE / MEDICAL GAS ALARM PANEL SCHEDULE

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD226200-01.DWG

MEDICAL GAS ALARM PANEL SCHEDULE, CONTINUED

LOCATION	TYPE OF PANEL	GAGES	SERVICE INDICATOR LIGHTS
BOILER PLANT CONTROL OFFICE -OR- ENGINEERING CONTROL CENTER (ECC) -OR- OTHER LOCATION WITH ENGINEERING PERSONNEL SUPERVISION -AND- INTENSIVE CARE NURSING -OR- FIRE STATION -OR- PHONE SWITCHBOARD -OR- SECURITY OFFICE		NO	CARBON DIOXIDE MAIN LINE PRESSURE HIGH CARBON DIOXIDE MAIN LINE PRESSURE LOW CARBON DIOXIDE CHANGEOVER TO SECONDARY SUPPLY CARBON DIOXIDE MAIN SUPPLY LESS THAN 1 DAY (LOW CONTENTS) CARBON DIOXIDE RESERVE IN USE CARBON DIOXIDE RESERVE SUPPLY LESS THAN 1 DAY (LOW CONTENTS) CARBON DIOXIDE RESERVE PRESSURE LOW (NOT FUNCTIONAL) MEDICAL AIR PRODUCTION STOP MEDICAL AIR CHANGEOVER TO SECONDARY SUPPLY OXYGEN CHANGE OVER TO SECONDARY SUPPLY OXYGEN MAIN SUPPLY LESS THAN 1 DAY (LOW CONTENTS) OXYGEN RESERVE SUPPLY LESS THAN 1 DAY (LOW CONTENTS) NITROUS OXIDE MAIN SUPPLY LESS THAN 1 DAY (LOW CONTENTS) NITROUS OXIDE RESERVE SUPPLY LESS THAN 1 DAY (LOW CONTENTS) NITROUS OXIDE RESERVE SUPPLY LESS THAN 1 DAY (LOW CONTENTS) NITROUS OXIDE RESERVE PRESSURE LOW (NOT FUNCTIONAL) MEDICAL—SURGICAL MAIN LINE VACUUM LOW WAGD MAIN LINE VACUUM LOW INSTRUMENT AIR CYLINDER RESERVE IN USE INSTRUMENT AIR CYLINDER RESERVE LESS THAN 1 DAY (LOW CONTENTS) NITROGEN MAIN SUPPLY LESS THAN 1 DAY (LOW CONTENTS) NITROGEN MAIN SUPPLY LESS THAN 1 DAY (LOW CONTENTS) NITROGEN RESERVE SUPPLY LESS THAN 1 DAY (LOW CONTENTS) NITROGEN RESERVE SUPPLY LESS THAN 1 DAY (LOW CONTENTS) NITROGEN RESERVE SUPPLY LESS THAN 1 DAY (LOW CONTENTS)

DESIGNER'S NOTES:

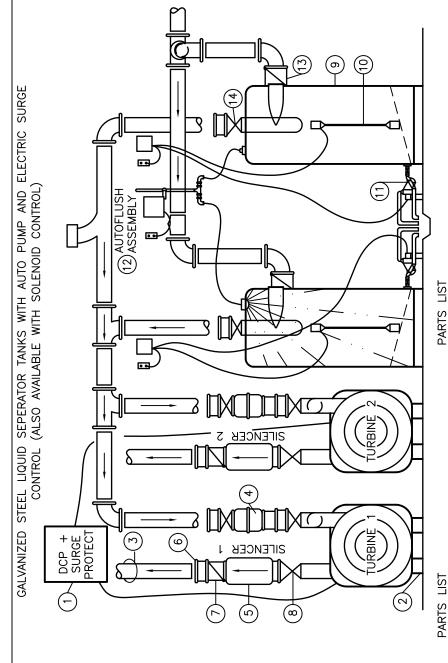
- 1. LOCATE MASTER ALARM PANELS IN CONFORMANCE WITH INDIVIDUAL MEDICAL CENTER OPERATING PRACTICES FOR CRITICAL ALARM LOCATIONS.
- 2. INDICATE ROOM NUMBERS WHERE PANELS ARE TO BE LOCATED.
- 3. ADD ADDITIONAL MIXED GAS ALARMS AS REQUIRED TO THE MAIN AND AREA ALARM PANELS.



DETAIL TITLE / MEDICAL GAS ALARM PANEL SCHEDULE, CONTINUED

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD226200-02.DWG



DESCRIPTION	THROTTLING VALVE	SLG CYCLONIC LIQUID SEPARATOR	ELECTRONIC LIQUID LEVEL SENSOR (OPT)	11 SV-300 SOLENOID VALVE ELECTRONIC LIQUID LEVEL	12 AF-300 SOLID STATE AUTO-FLUSH ASSEMBLY
PART NO.	ABV	SLG	FSA	SV-300	AF-300
ITEM NO.	80	6	10	11	12
DESCRIPTION	DUPLEX ELEC. MOTOR MOTOR CONTROL PANEL	ISOLATOR PAD	TURBO EXHAUSTER	MECHANICAL ANTI-SURGE VALVE	AIR DISCHARGE SILENCER

DIRECTIONAL FLOW VALVE

CHECK VALVE

YC< AC\

14 13

DIRECTIONAL FLOW CHECK VALVE FLEXIBLE PLUMBING ISOLATOR

Y S S

AEX

S 9

RPL

ASV

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ORAL EVACUATION SYSTEM PIPING DETA

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Department of Veterans Affairs

DETAIL TITLE / ORAL EVACUATION SYSTEM PIPING DETAIL

PART NO.

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SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD226219_74-01.DWG

LABORATORY GAS ALARM PANEL SCHEDULE				
LOCATION	TYPE OF PANEL	GAGES	SERVICE INDICATOR LIGHTS	
BOILER PLANT CONTROL OFFICE -OR- ENGINEERING CONTROL CENTER (ECC) -OR- OTHER LOCATION WITH ENGINEERING PERSONNEL SUPERVISION -AND- FIRE STATION -OR- TELEPHONE SWITCHBOARD -OR- SECURITY OFFICE	MASTER (SYSTEM)	NO	LA AIR DEW POINT HIGH LA AIR CARBON MONOXIDE HIGH LA AIR DESICCANT DRYER MALFUNCTION LA AIR DESICCANT DRYER POST FILTER DIRTY LA REFRIGERATED DRYER POST FILTER DIRTY LA AIR COMPRESSOR MALFUNCTION LA AFTERCOOLER HIGH TEMP LA DESICCANT DRYER INLET FILTER DIRTY LA MAIN LINE FILTER BANK DIRTY LA PRESSURE HIGH LA PRESSURE LOW LA VACUUM FILTER BACKPRESSURE LA VACUUM LINE VACUUM LOW (SPECIAL GAS) LINE PRESSURE HIGH	
			TEST BUTTON	

NOTES TO DESIGNER:

- 1. LOCATE MASTER ALARM PANELS IN CONFORMANCE WITH INDIVIDUAL MEDICAL CENTER'S OPERATING PRACTICES FOR CRITICAL ALARM LOCATIONS.
- 2. INDICATE ROOM NUMBERS WHERE PANELS ARE TO BE LOCATED.



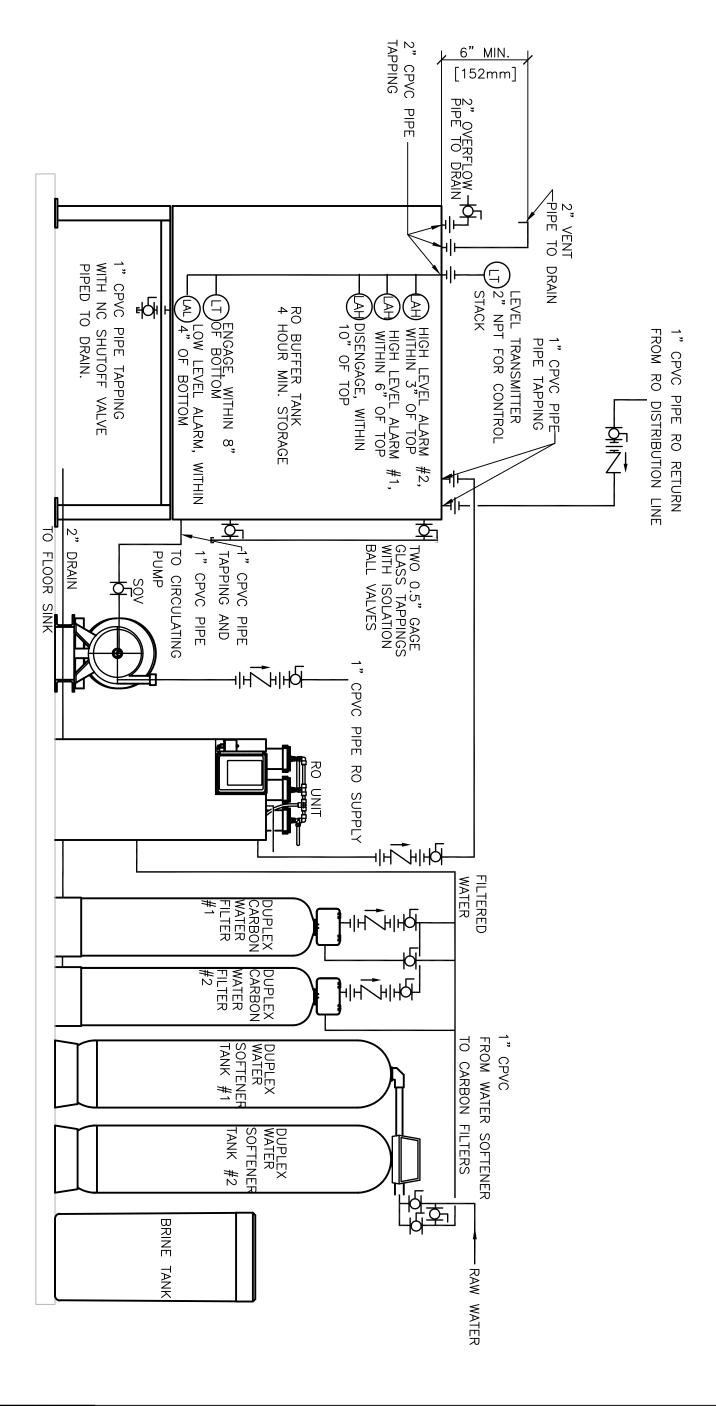
DETAIL TITLE / LABORATORY GAS ALARM PANEL SCHEDULE

SCALE: NONE

DATE ISSUED: DECEMBER 1, 2015 CAD DETAIL NO.: SD226300-01.DWG

REVERSE OSMOSIS PACKAGE DETAIL

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DETAIL TITLE / REVERSE OSMOSIS PACKAGE DETAIL