

SUMP PUMP SCHEDULE

SYMBOL	NAME	GPM	HEAD FT.	ELECTRICAL					RPM	BASIS OF DESIGN	REMARKS	LOCATION
				V	PH	HZ	KW	HP				
SP-1	SUMP PUMP	50	25	115	1	60	-	1/2	3600	ZOELLER 98	SIMPLEX SUBMERSIBLE PUMP IN ELEV. PIT. PUMP TO HAVE ALARM PANEL, FLOAT CONTROLS AND BE TIED TO BMS. PROVIDE OIL SMART SYSTEM KIT	ELEVATOR PIT
SP-2	DUPLEX EJECTOR PUMP	100	50	208	1	60	-	1/2 HP	3500	GRUNFOSS PHI ENVIRO-STATION	DUPLEX PUMPING STATION WITH CONTOL PANEL, FLOATS AND ALARMS. SYSTEM TO BE TIED INTO BMS. PROVIDE INCOMING SERVICE MAIN DISCONNECT. 36"x72" BASIN WITH RAILS.	MECH. ROOM

BASIS OF DESIGN:

MANUFACTURERS, PRODUCT NAMES, AND MODEL NUMBERS PROVIDED ON THIS DRAWING INDICATE THE BASIS OF DESIGN PRODUCTS, AND ARE USED SOLELY TO ESTABLISH STANDARDS OF QUALITY, PERFORMANCE, AND CONSTRUCTION / MATERIALS. COMPARABLE PRODUCTS BY OTHER MANUFACTURERS IDENTIFIED BY THE WEST POINT USMA CAMPUS-WIDE STANDARDS SHALL MEET THE CHARACTERISTICS OF THE BASIS OF DESIGN PRODUCTS. DISCONNECTS, STARTERS OR CONTROLLERS NOT SUPPLIED WITH CONTROL PANEL TO EQUIPMENT SHALL BE PROVIDED BY DIV. 26 TRADE

PLUMBING DRAIN SCHEDULE

SYMBOL	TYPE	B.O.D. MANUF.	B.O.D. MODEL	OUTLET	LOCATION	REMARKS
FD-A	FLOOR DRAIN	JR SMITH	2010	3"	TOILET AREAS	NICKEL BRONZE TOP W/FLANGE W/ TRAP GUARD
FD-B	FLOOR DRAIN	JR SMITH	2233	4"	MECH. RMS.	MEDIUM DUTY, 9" DIA., CAST IRON DRAIN WITH SEDIMENT BUCKET W TRAP GUARD
FD-C	FLOOR SINK	ZURN	Z1926	4"	MECH. RM. B216	SANI-FLOOR RECEPTOR 16"x16"x12" DEEP CAST IRON BODY WITH SEEPAGE FLANGE AND HEAVY DUTY GRATE WITH SLOTTED OPENINGS. ACID RESISTANT EPOXY COATED INTERIOR AND TOP WITH ALUMINUM ANTI-SPLASH INTERIOR BOTTOM DOME STRAINER

NOTES:

1. ALL FLOOR DRAINS INSTALLED IN FLOORS ABOVE GRADE SHALL BE SET ON METAL DECK BEFORE THE CONCRETE IS POURED. DO NOT CORE HOLES IN NEW FLOOR DECKS FOR DRAINS.
2. ALL FLOOR DRAINS INSTALLED IN FLOORS ABOVE GRADE SHALL HAVE MEMBRANE FLASHING CONNECTED TO FLASHING FLANGE AND CLAMP ON DRAIN. FLASHING SHALL BE INSTALLED ABOVE METAL BELOW CONCRETE.
3. ALL FLOOR DRAINS RECEIVING INDIRECT WASTE DISCHARGE SHALL HAVE FINISHED FLOOR SLOPES TO DRAIN A MINIMUM 2 FT. RADIUS BEYOND OUTER EDGE OF DRAIN. FLOOR SLOPE SHALL BE 1/8" FT. IN KITCHENS AND CENTRAL STERILE AREAS, BATHROOMS AND MECHANICAL ROOMS. FLOOR SLOPE SHALL BE 1/16" FT. IN OPEN LAB AREAS.
4. DRAINS TO BE INSTALLED IN EXISTING FLOORS AND SHALL HAVE CORE DRILLED HOLES LARGER THAN DRAINS LARGEST DIMENSION. PROVIDE SUPPLEMENTAL STEEL TO FRAME OPENING. DRAINS SHALL BE SUPPORTED FROM BELOW FLOOR. DRAINS SHALL HAVE A DRAINAGE FLANGE WITH WEEP HOLES. FILL SPACE ON TOP OF DRAIN WITH HIGH STRENGTH CONCRETE. SEE STRUCTURAL DETAILS ON S-504 FOR MORE INFORMATION.

PLUMBING SPECIALTIES SCHEDULE

NO.	ITEM	LOCATION	TECH. DATA	BASIS OF DESIGN	REMARKS
HB-1	HOSE BIBB	MECHANICAL ROOMS	3/4" CW	CHICAGO MODEL 952	WALL-MOUNTED WITH VACUUM BREAKER
WHA	WATER HAMMER ARRESTER	SEE PLANS	-	J.R. SMITH SERIES 500	OR APPROVED EQUAL

PLUMBING FIXTURE CONNECTION SCHEDULE

NO.	DESCRIPTION	WATER SUPPLY FIXTURE UNIT			PIPE DIAMETER				BASIS OF DESIGN			REMARKS
		COLD	HOT	DRAIN	CW	HW	DRAIN	VENT	FIXTURE	FAUCET/FLUSH VALVE	ACCESSORIES	
WC-A	WATER CLOSET (STANDARD HEIGHT)	10	-	4	1"	-	4"	2"	AMERICAN STANDARD 2257.001	SLOAN ROYAL 111-1.28	SEAT: CHURCH 9400C/383SS	WALL-HUNG, VITREOUS CHINA HIGH EFFICIENCY MODEL WITH MANUAL, 1.28 GPF FLUSHOMETER PROVIDE CHAIR CARRIER TO SUIT.
WC-B	WATER CLOSET (ADA HEIGHT)	10	-	4	1"	-	4"	2"	AMERICAN STANDARD 2257.001	SLOAN ROYAL 111-1.28	SEAT: CHURCH 9400C/383SS	WALL-HUNG, VITREOUS CHINA HIGH EFFICIENCY MODEL WITH MANUAL, 1.28 GPF FLUSHOMETER PROVIDE CHAIR CARRIER TO SUIT.
UR-A	URINAL (STANDARD HEIGHT)	5	-	2	3/4"	-	2"	1-1/2"	AMERICAN STANDARD 6590.001	SLOAN ROYAL 186-0.125	-	WALL-HUNG, VITREOUS CHINA HIGH EFFICIENCY MODEL WITH MANUAL 0.125 GPF FLUSHOMETER PROVIDE CHAIR CARRIER TO SUIT.
UR-B	URINAL (ADA HEIGHT)	5	-	2	3/4"	-	2"	1-1/2"	AMERICAN STANDARD 6590.001	SLOAN ROYAL 186-0.125	-	WALL-HUNG, VITREOUS CHINA HIGH EFFICIENCY MODEL WITH MANUAL 0.125 GPF FLUSHOMETER PROVIDE CHAIR CARRIER TO SUIT.
LAV-A	LAVATORY (TOILET ROOMS)	1.5	1.5	1	1/2"	1/2"	1-1/4"	1-1/4"	SOLID SURFACE COUNTERTOP WITH INTEGRAL BOWL BY OTHERS	AMERICAN STANDARD MONTERREY 6114.115.002	TRUEBRO MODEL 102 INSULATION KIT	SINGLE LEVER MANUAL FAUCET WITH 0.5 GPM FLOW RESTRICTOR
LAV-B	LAVATORY (TOILET ROOMS)	1.5	1.5	1	1/2"	1/2"	1-1/4"	1-1/4"	AMERICAN STANDARD 0356.015	AMERICAN STANDARD MONTERREY 6114.115.002	TRUEBRO MODEL 102 INSULATION KIT	WALL-MOUNTED, 20.5"x18.25" VITREOUS CHINA WITH SINGLE LEVER MANUAL FAUCET WITH 0.5 GPM FLOW RESTRICTOR PROVIDE CHAIR CARRIER TO SUIT
CTS-A	COUNTERTOP SINK	1.5	1.5	2	1/2"	1/2"	1-1/2"	1-1/2"	ELKAY ELUH2115PD	AMERICAN STANDARD MONTERREY 6540.270.	PROVIDE ELKAY PUSH LEVER GLASS FILLER MODEL LK1110	COUNTERTOP UNDERMOUNT STAINLESS STEEL 21 x 18.25" x 7.5 BOWL, RIGID GOOSENECK FAUCET WITH 1.5 GPM AERATOR AND 4" WRIST BLADE HANDLES.
MR-A	MOP RECEPTOR	1.5	1.5	2	1/2"	1/2"	3"	1-1/2"	FIAT TSB-3000 (24" x 24")	CHICAGO 897	FIAT 889 CC, 1453 BB, MSG 2424, 833 AA, E77-AA	24" x 24" TERRAZZO RECEPTOR WITH DROP FRONT
EWC-A	WATER COOLER (BI-LEVEL)	25	-	.5	1/2"	-	1-1/4"	1-1/4"	HALSEY TAYLOR HTHBWF-OVLSER-I	-	-	WALL-MOUNTED BI-LEVEL COOLER WITH OVAL BOWLS ONE AT ADA HEIGHT, BOTTLE FILLING STATION AND FILTER.

WATER HEATER SCHEDULE

SYMBOL	LOCATION	ELECTRIC INPUT KW	CAPACITY		REMARKS
			STORAGE	RECOVERY @ 100°F RISE	
EWH-1	TOILET ROOMS	277V, 8KW	-	55	POINT OF USE WATER HEATER FOR MULTI LAVS
EWH-2	JAN. CLOSET	277V, 6KW	6	41	6 GALLON WATER HEATER. PROVIDE CEILING OR WALL SUPPORT BRACKET WITH DRAIN PAN AND ALL APURTANCES NEEDED FOR COMPLETE INSTALL



**US Army Corps
of Engineers ®**

[illegible]

JACOBS / EWING COLE A Joint Venture
 US ARMY CORPS OF ENGINEERS
 DESIGNED BY: _____
 DRAWN BY: _____
 EC _____
 CHECKED BY: _____
 BF _____
 SUBMITTED BY: _____
 PROJECT NO: 2019454
 ISSUE DATE: _____
 SOLICITATION NO: W912DS-19-R-0014
 CONTRACT NO: W912DS-19-C0031

WEST POINT, NY
USMA BUILDING 605 CULLUM HALL RENOVATION

PLUMBING SCHEDULES

SHEET ID

P-601