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PLUMBING TAG	FIXTURE	DESCRIPTION	MOUNTING	WATER USAGE (GPM)	MATERIAL	FINISH	ADA COMPLIANT	CW	HW	VENT	WASTE	NOTES
FD-1	FLOOR DRAIN	FLOOR DRAIN WITH 6" DIAMETER TOP, STRAINER, 4" DRAIN OUTLET AND TRAP PRIMER		-	CAST IRON	NICKEL BRONZE	-			2"	4"	7
FD-2	FLOOR DRAIN	FLOOR DRAIN WITH 12"x12" LOCKING GRATE, SECONDARY STRAINER, SEDIMENT BUCKET, 4" DRAIN OUTLET AND TRAP PRIMER		-	GALVANIZED CAST IRON	NICKEL BRONZE	-			2"	4"	7
FD-3	FLOOR DRAIN	FLOOR DRAIN WITH 6" DIAMETER TOP, STRAINER, 2" DRAIN OUTLET AND TRAP PRIMER		-	CAST IRON	NICKEL BRONZE	-			2"	2"	7
FD-4	FLOOR DRAIN	FLOOR DRAIN WITH 7" DIAMETER TOP, STRAINER, 4" DIAMETER FUNNEL, 4" DRAIN OUTLET AND TRAP PRIMER		-	CAST IRON	NICKEL BRONZE	-			2"	4"	7
FS-1	FLOOR SINK	FLOOR SINK WITH SQUARE 3/4" GRATE, 12"x12"x8" WITH SQUARE GRATE WITH BOTTOM DOME STRAINER WITH 4" OUTLET AND NICKEL BRONZE FRAME		-	GALVANIZED CAST IRON	WHITE ACID RESISTANT PORCELAIN ENAMEL	-			2"	4"	7
TP-1	TRAP PRIMER	TYPE 1 - ELECTRONIC TRAP PRIMING MANIFOLD (20 PORTS) WITH ATMOSPHERIC VACUUM BREAKER AND 24 HOUR TIME CLOCK WITH MANUAL OVERRIDE. UNUSED PORTS SHALL BE CAPPED. SWITCH UNIT SHALL BE PROVIDED WITH INTEGRAL 120 VOLT SOLENOID VALVE. UNIT SHALL BE MOUNTED IN 21"x17"x4" SURFACE MOUNTED METAL CABINET	SURFACE	0.125	METAL	-	-	3/4"				
TP-2	TRAP PRIMER	TYPE 2 - PRESSURE ACTING TRAP PRIMER. SHALL OPERATE ON A SYSTEM DIFFERENTIAL PRESSURE OF 10 PSIG. SYSTEM OPERATING PRESSURE IS 20 PSI - 80 PSI. PROVIDE WITH WALL ACCESS PANEL FOR ACCESSIBILITY	RECESSED WALL MOUNT		0	STAINLESS STEEL COVER	-					
TP-3	TRAP PRIMER	TYPE 3 - MINI- ELECTRONIC TRAP PRIMING MANIFOLD (4 PORT) WITH ATMOSPHERIC VACUUM BREAKER AND 24 HOUR TIME CLOCK WITH MANUAL OVERRIDE. UNUSED PORTS SHALL BE CAPPED. SWITCH UNIT SHALL BE PROVIDED WITH INTEGRAL 120 VOLT SOLENOID VALVE. UNIT SHALL BE MOUNTED IN 12"x12"x4" SURFACE MOUNTED METAL CABINET	SURFACE	0.125	METAL	-	-	1/2"				
HB	WALL HYDRANT	NARROW WALL INSTALLATION, REPLACEABLE SEAT WASHER, LOOSE KEY OPERATED CONTROL VALVE, VACUUM BREAKER AND 3/4" HOSE CONNECTION. PROVIDE WITH STAINLESS STEEL COVER MOUNTED AT 18" STAMPED "WATER"		-	ALL BRONZE BODY AND INTERIOR PARTS	STAINLESS STEEL COVER	-	3/4"				7
FPWH	NON-FREEZE WALL HYDRANT	ENCASED, ANTI-SIPHON, AUTOMATIC DRAINING WALL HYDRANT FOR FLUSH INSTALLATION. COMPLETE WITH NON-FREEZE TYPE INTEGRAL BACKFLOW PREVENTER, BRONZE CASING, ALL BRONZE INTERIOR PARTS, NON-TURNING OPERATING ROD WITH FREE-FLOATING COMPRESSION CLOSURE VALVE, REPLACEABLE BRONZE SEAT & SEAT WASHER, & 3/4" FEMALE OR 1" MALE STRAIGHT. PROVIDE WITH STAINLESS STEEL BOX & COVER.		-	ALL BRONZE BODY AND INTERIOR PARTS	STAINLESS STEEL COVER	-	3/4"				7
P-1G	WATER CLOSET	WATER CLOSET WITH MANUAL FLUSH VALVE. PROVIDE WITH ELONGATED SIPHON JET BOWL WITH PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES.	FLOOR	1.28	VITREOUS CHINA	WHITE	NO	1-1/2"		2"	4"	7
P-1H	WATER CLOSET	WATER CLOSET WITH MANUAL FLUSH VALVE. PROVIDE WITH ELONGATED SIPHON JET BOWL WITH PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES.	FLOOR	1.28	VITREOUS CHINA	WHITE	YES	1-1/2"		2"	4"	7
P-1K	WATER CLOSET	WATER CLOSET WITH MANUAL FLUSH VALVE. PROVIDE WITH ELONGATED SIPHON JET BOWL WITH PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES.	FLOOR - BACK OUTLET	1.28	VITREOUS CHINA	WHITE	NO	1-1/2"		2"	4"	7
P-1L	WATER CLOSET	WATER CLOSET WITH MANUAL FLUSH VALVE. PROVIDE WITH ELONGATED SIPHON JET BOWL WITH PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES.	FLOOR-BACK OUTLET	1.28	VITREOUS CHINA	WHITE	YES	1-1/2"		2"	4"	7
P-2D	URINAL	URINAL WITH MANUAL FLUSH VALVE. PROVIDE WITH SIPHON JET BOWL WITH ELONGATED SIDES.	FLOOR MOUNTED WALL CARRIER	0.125	VITREOUS CHINA	WHITE	NO	3/4"		2"	2"	7
P-2E	URINAL	URINAL WITH MANUAL FLUSH VALVE. PROVIDE WITH SIPHON JET BOWL WITH ELONGATED SIDES.	FLOOR MOUNTED WALL CARRIER	0.125	VITREOUS CHINA	WHITE	YES	3/4"		2"	2"	7
P-3A	LAVATORY	LAVATORY (20"x18") WALL HUNG WITH CONCEALED ARMS AND 4" HIGH BACKSPLASH WITH SOLAR POWERED FAUCET WITH BATTERY BACKUP AND INTEGRAL MIXING VALVE, CHROME PLATED 3/8" STOPS, GRID DRAIN, P-TRAP TAILPIECE AND ESCUTCHEON.	WALL HUNG	0.5	VITREOUS CHINA	WHITE	YES	1/2"	1/2"	2"	2"	1, 2, 7
P-3D	LAVATORY	(19"x16") WITH SOLAR POWERED FAUCET WITH BATTERY BACKUP AND INTEGRAL MIXING VALVE, CHROME PLATED 3/8" STOPS, GRID DRAIN, P-TRAP TAILPIECE AND ESCUTCHEON.	UNDERMOUNT COUNTERTOP	0.5	VITREOUS CHINA	WHITE	YES	1/2"	1/2"	2"	2"	1, 2, 7
P-4A	ELECTRIC WATER COOLER	BARRIER FREE ELECTRIC WATER COOLER WITH INTEGRAL COMPRESSOR, BOTTLE FILLER WITH COUNTER, AND INTEGRAL ADA APRON	WALL HUNG		STAINLESS STEEL BOWL	STANDARD MANUFACTURER COLOR	YES	1/2"		2"	2"	7
P-4B	ELECTRIC WATER COOLER	BARRIER FREE BI LEVEL ELECTRIC WATER COOLER WITH INTEGRAL COMPRESSOR, BOTTLE FILLER WITH COUNTER, AND INTEGRAL ADA APRON	WALL HUNG		STAINLESS STEEL BOWL	STANDARD MANUFACTURER COLOR	YES	1/2"		2"	2"	7
P-5	MOP BASIN	24"x24"x10" MOP BASIN. PROVIDE WITH SERVICE FAUCET, HOSE AND HOSE BRACKET, VINYL BUMPGAURD AND CENTER DRAIN.	FLOOR	2.5	MOLDED STONE	WHITE	-	3/4"	3/4"	2"	3"	1, 2, 3
P-6	SINK	INTEGRAL BOWL. PROVIDE WITH 8" RIGID SWIVEL SPOUT GOOSENECK FAUCET WITH 4"WRIST BLADES, STRAINER DRAIN, 3/8" ANGLE SUPPLIES WITH STOPS, P-TRAP, TAILPIECE AND ESCUTCHEONS	COUNTER	1.0	SEE ARCHITECTURAL	SEE ARCHITECTURAL	YES	1/2"	1/2"	2"	2"	4, 7
P-6A	SINK	INTEGRAL BOWL. PROVIDE WITH 8" RIGID SWIVEL SPOUT GOOSENECK FAUCET WITH 4"WRIST BLADES, STRAINER DRAIN, 3/8" ANGLE SUPPLIES WITH STOPS, P-TRAP, TAILPIECE AND ESCUTCHEONS	COUNTER	1.0	SEE ARCHITECTURAL	SEE ARCHITECTURAL	YES	1/2"	1/2"	2"	2"	4, 5, 7
P-6B	SINK	INTEGRAL BOWL. PROVIDE WITH 8" RIGID SWIVEL SPOUT GOOSENECK FAUCET WITH 4"WRIST BLADES, STRAINER DRAIN, 3/8" ANGLE SUPPLIES WITH STOPS, P-TRAP, TAILPIECE AND ESCUTCHEONS	COUNTER	1.0	SEE ARCHITECTURAL	SEE ARCHITECTURAL	YES	1/2"	1/2"	2"	2"	4, 6, 7
P-6C	LAB SINK	INTEGRAL BOWL. FAUCET AND GAS TURRETS PROVIDED WITH CASEWORK. PROVIDE 3/8" ANGLE SUPPLIES WITH STOPS, ACID WASTE P-TRAP, TAILPIECE AND ESCUTCHEONS	COUNTER	1.0	SEE ARCHITECTURAL	SEE ARCHITECTURAL	YES	1/2"	1/2"	2"	2"	4, 7
P-7	DOUBLE COMPARTMENT SINK	UNDERMOUNT 20"x37"x6.5" DEEP OD. PROVIDE WITH 8" RIGID SWIVEL SPOUT GOOSENECK FAUCET WITH 4"WRIST BLADES, STRAINER DRAIN, 3/8" ANGLE SUPPLIES WITH STOPS, PLASTER TRAP, TAILPIECE AND ESCUTCHEONS	UNDERMOUNT COUNTERTOP	1.0	SEE ARCHITECTURAL	SEE ARCHITECTURAL	YES	1/2"	1/2"	2"	2"	4, 7
P-7B	ART SINK	SCULLER TYPE SINK WITH WALL BOARD PROVIDED BY ARCHITECT. FAUCET SHALL BE INTEGRAL WITH THE UNIT. PROVIDE 3/8" ANGLE SUPPLIES WITH STOPS, PLASTER TRAP, TAILPIECE AND ESCUTCHEONS	COUNTER	1.0	SEE ARCHITECTURAL	SEE ARCHITECTURAL	YES	1/2"	1/2"	2"	2"	4, 7
P-7C	ART SINK	SINGLE BOWL LAUNDRY SINK 20"x24"x14" DEEP SINK WITH LEGS. PROVIDE WITH INTEGRAL CHROME SWING FAUCET WITH 4" HANDLES. AERATOR AND HOSE ADAPTOR. PROVIDE 3/8" ANGLE SUPPLIES WITH STOPS, P-TRAP, TAILPIECE AND ESCUTCHEONS	FLOOR	1.0	HEAVY DUTY POLYETHYLENE	WHITE	YES	1/2"	1/2"	2"	2"	4, 7
P-8	SHOWER	TILE SHOWER. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. PROVIDE WITH PRESSURE BALANCING MIXING VALVE WITH ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. PROVIDE WITH WALL HEAD AND HAND WAND WITH ADJUSTABLE BAR.		1.0	SEE ARCHITECTURAL	SEE ARCHITECTURAL	YES	3/4"	3/4"	2"	2"	1
P-8E	SHOWER	36"x30" ONE PIECE ACRYLIC TRANSFER TYPE BARRIER FREE SHOWER. CONFIRM EXACT DIMENSIONS WITH ARCHITECTURAL LAYOUT. SHOWER TO BE PROVIDED WITH INTEGRAL 277 V LED DOME LIGHT, INTEGRAL GRAB BAR, CENTER DRAIN, MOLDED SOAP DISPENSER, AND CURTAIN ROD, SLIP RESISTANT FLOOR, AND FOLD UP SEAT. PROVIDE WITH PRESSURE BALANCING MIXING VALVE WITH ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. PROVIDE WITH WALL HEAD AND HAND WAND WITH ADJUSTABLE BAR.		1.0	ACRYLIC	WHITE	YES	3/4"	3/4"	2"	2"	1
P-9	WASHER WALL BOX	RECESSED WASHER BOX WITH 1/2" HW AND CW BOTTOM HOSE CONNECTIONS WITH STOPS AND 2" DRAIN	WALL	1.0	20 GAUGE GALVANIZED	-	NO	3/4"	3/4"	2"	2"	8
P-9A	WATER BOX	10"x8.5" RECESSED WATER VALVE SUPPLY BOX. PROVIDE WITH VALVE 1/2" WATER SUPPLY INLET AND 1/4" COMPRESSION OUTLET	RECESSED WALL MOUNT	0.125	VINYL	WHITE	-	1/2"				7
P-11A	EYEWASH / SHOWER	EMERGENCY EYEWASH SHOWER PROVIDED BY ARCHITECT. PROVIDE WITH PRESSURE BALANCING EMERGENCY MIXING VALVE TO PROVIDE TEPID WATER. PROVIDE FLOOR DRAIN BELOW EMERGENCY SHOWER	WALL MOUNT	3.7	SEE ARCHITECTURAL	SEE ARCHITECTURAL	YES	3/4"	3/4"	2"	4"	7
	REMARKS											
	1	PROVIDE WITH CHECK VALVES ON THE HOT AND COLD WATER PIPING										
	2	PROVIDE WITH VINYL TRAP WRAP ON CW AND HW PIPING										
	3	PROVIDE WITH 1/2" HW CONNECTION FOR SOAP DISPENSER										
	4	REFER TO ARCHITECTURAL DRAWINGS FOR COUNTERTOP INFORMATION										
	5	PROVIDE WITH UNDERMOUNT PLASTER TRAP. TRAP SHALL BE INSTALLED TO ALLOW FOR FULL REMOVAL OF STRAINER WITHOUT DISCONNECTING ANY PIPING										
	6	PROVIDE WITH ADDITIONAL AUXILIARY SOAP DISPENSOR. CONTRACTOR TO PROVIDE HOLE IN COUNTER TO RECEIVE DISPENSER.										
	7	ALL MOUNTING HEIGHTS INDICATED ON ARCHITECTURAL DRAWINGS										
	8	PROVIDE WITH WATER HAMMER ARRESTOR IN SUPPLY LINES										

SYD	DESCRIPTION	DATE	APPR



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APPROVED
 FOR COMMANDER NAVFAC
 ACTIVITY

SATISFACTORY TO DATE
 JAC JAC KDM

PRMCM
 BRANCH MANAGER
 CHIEF ENGR ARCH
 FIRE PROTECTION

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 DDOEA
 NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
 MARINE CORPS BASE QUANTICO, VIRGINIA
 QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL
 PLUMBING SCHEDULES

SCALE: 1/2" = 1'-0"
 PROJECT NO.: P-021
 CONSTR. CONTR. NO.: W91236-15-C-0023
 NAVFAC DRAWING NO.: 13091314
 SHEET 560 OF 789
 P601

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WATER HEATER SCHEDULE - GAS							
MARK	SERVICE	RECOVERY (GPH @ 100° F RISE)	NATURAL GAS INPUT (MBH)	ALLOWABLE GAS PRESSURE RANGE	VOLTAGE	PHASE	REMARKS
WH-1	140°	233	399 MBH	3"-13" WC	120 V	1	1,2,3
WH-2	140°	233	399 MBH	3"-13" WC	120 V	1	1,2,3

WATER HEATER SCHEDULE - ELEC							
MARK	SERVICE	UL LISTED	STORAGE (GALLONS)	INPUT	VOLTAGE	PHASE	REMARKS
WH-3	CONCESSION STAND	YES	40	(1) 4.5 KW ELEMENT	280 V	1	1

REMARKS:
1. SET TEMPERATURE OF WATER HEATER AT 120° F.

RECIRCULATING PUMP SCHEDULE								
MARK	TYPE	SERVICE	GPM	HEAD	HP	VOLTAGE	PHASE	REMARKS
RP-1		110 DEG F	10	30	0.167	115 V	1	1, 2, 3, 4
RP-2		140 DEG F	10	30	0.167	115 V	1	1, 2, 3, 4

REMARKS:
1. SINGLE POINT ELECTRICAL CONNECTION.
2. BRONZE PUMP BODY FOR POTABLE WATER APPLICATION.
3. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. PROVIDE WITH AQUASTAT CONTROLLER.

GREASE INTERCEPTOR			
MARK	DIMENSIONS	CAPACITY	REMARKS
GREASE INTERCEPTOR	4'0"X8'0"X8'0"	1,500 GALLON	1

REMARKS:
1. SEE DETAIL ON SHEET P504 FOR ADDITIONAL INFORMATION.

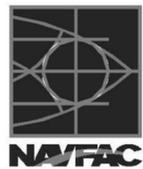
ELEVATOR SUMP PUMP SCHEDULE					
GPM	HEAD (FT)	HP	VOLTAGE	PHASE	REMARKS
10	24	0.333	115	1	1, 2

REMARKS:
1. SINGLE POINT CONNECTION.
2. PROVIDE WITH SUMP PUMP OIL SENSING CONTROL SYSTEM WITH AN AUDIBLE ALARM AND VISUAL INDICATORS FOR WATER AND OIL. INSTALL ALARM INDICATORS AND CONTRLS IN ELEVATOR MACHINE ROOM.

DOMESTIC WATER BOOSTER PUMP SCHEDULE						
SYSTEM CAPACITY: 180 GPM			SYSTEM PRESSURE: 93 PSI		REMARKS	
MIN. SUCTION PRESSURE: 36 PSI			MAX. SUCTION PRESSURE: 55 PSI		1,2,3,4,5,6,7	
PUMP	GPM	HEAD	HP	SPEED	POWER	
DPB-1A	90	132'	7.5	3500	208V / 60 HZ / 3-PHASE	
DPB-1B	90	132'	7.5	3500	208V / 60 HZ / 3-PHASE	

REMARKS:
1. PROVIDE DUPLEX TYPE DOMESTIC WATER BOOSTER PACKAGE
2. PROVIDE ONE VARIABLE SPEED MOTOR CONTROL CENTER.
3. PROVIDE NEMA 4, UL TYPE 1, POWDER COATED ENCLOSURE.
4. PROVIDE MAIN DISCONNECT SWITCH.
5. PROVIDE AN INDIVIDUAL VARIABLE FREQUENCY DRIVES FOR EACH MOTOR ON THE SYSTEM.
6. PROVIDE 23 GALLON ASME BLADDER TANK.
7. REFER TO DOMESTIC WATER BOOSTER PUMP DETAIL ON SHEET P506 FOR MORE INFORMATION.

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ACTIVITY

SATISFACTORY TO DATE

JAC JAC KDM

PM/DM

BRANCH MANAGER

CHIEF ENG/ARCH

FIRE PROTECTION

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON

DDIEA

MARINE CORPS BASE QUANTICO, VIRGINIA

QUANTICO, VA

REPLACE QUANTICO M/H SCHOOL

PLUMBING SCHEDULES

DEPARTMENT OF THE NAVY

MARINE CORPS BASE QUANTICO

SCALE:

PROJECT NO. P-021

CONSTR. CONTR. NO.

W91236-15-C-0023

NAVFAC DRAWING NO.

13091315

SHEET 561 OF 789

P602

DRAWING REVISION

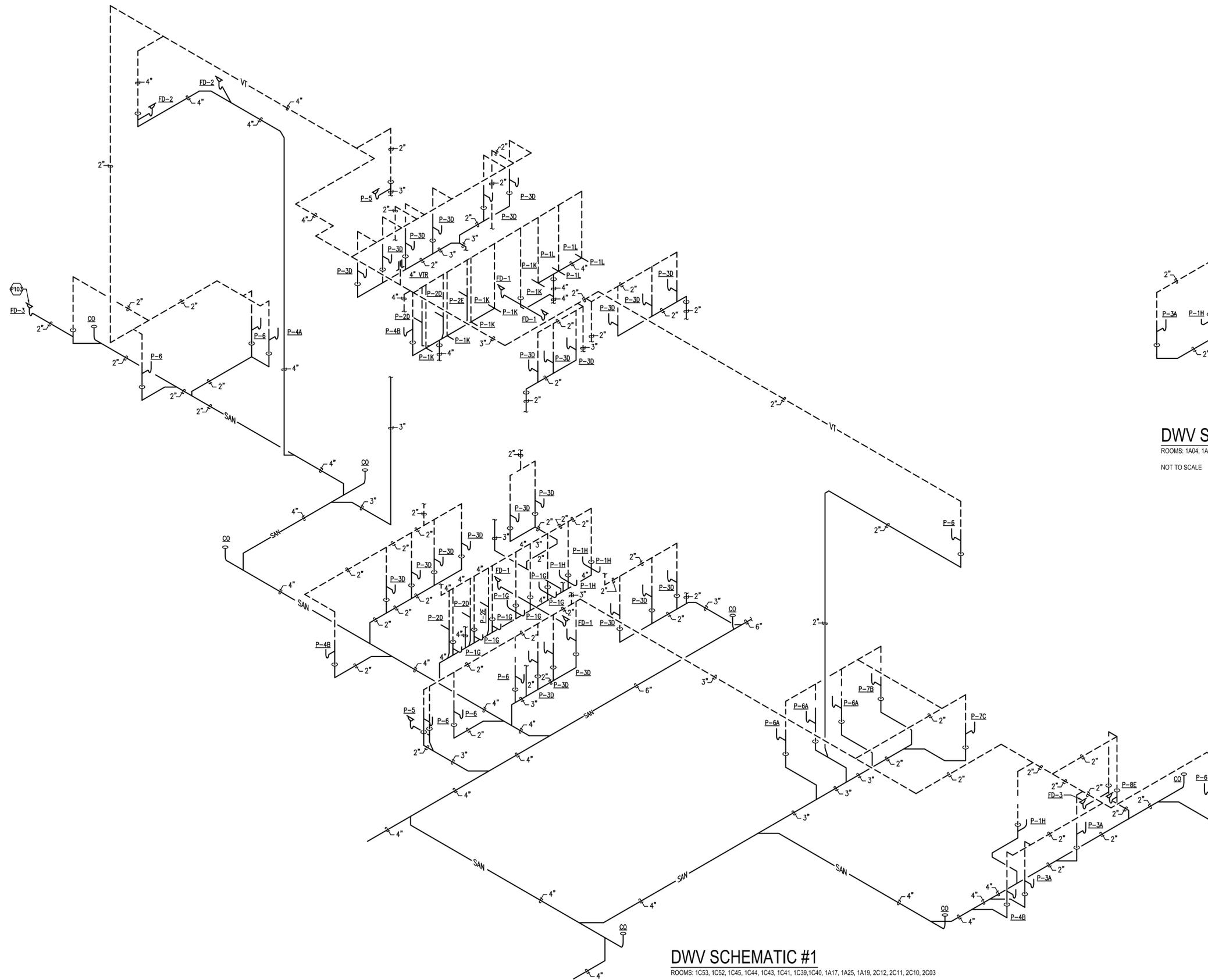
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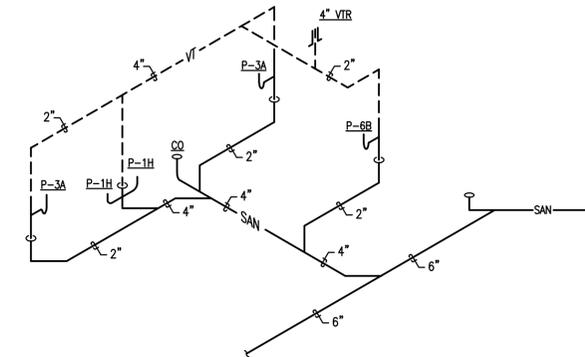


DWV SCHEMATIC #1

ROOMS: 1C53, 1C52, 1C45, 1C44, 1C43, 1C41, 1C39, 1C40, 1A17, 1A25, 1A19, 2C12, 2C11, 2C10, 2C03

NOT TO SCALE

TAGGED NOTES	
P103	FLOOR DRAIN IN BOTTOM OF CONDENSATE SUMP. REFER TO CONDENSATE SUMP PIPING SCHEMATIC ON M603 FOR MORE INFORMATION.



DWV SCHEMATIC #2

ROOMS: 1A04, 1A06, 1A08

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JAC JAC KDM

PM/DM

BRANCH MANAGER

CHIEF ENGR ARCH

FIRE PROTECTION

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON

DODGE MARINE CORPS BASE QUANTICO, VIRGINIA

MARINE CORPS BASE QUANTICO, VA

REPLACE QUANTICO M/H SCHOOL

QUANTICO, VA

PLUMBING DWV SCHEMATICS

PROJECT NO. P-021

CONSTR. CONTR. NO. W91236-15-C-0023

NAVFAC DRAWING NO. 13091316

SHEET 562 OF 789

P700

DRAWING REVISION: 10 MARCH 2016

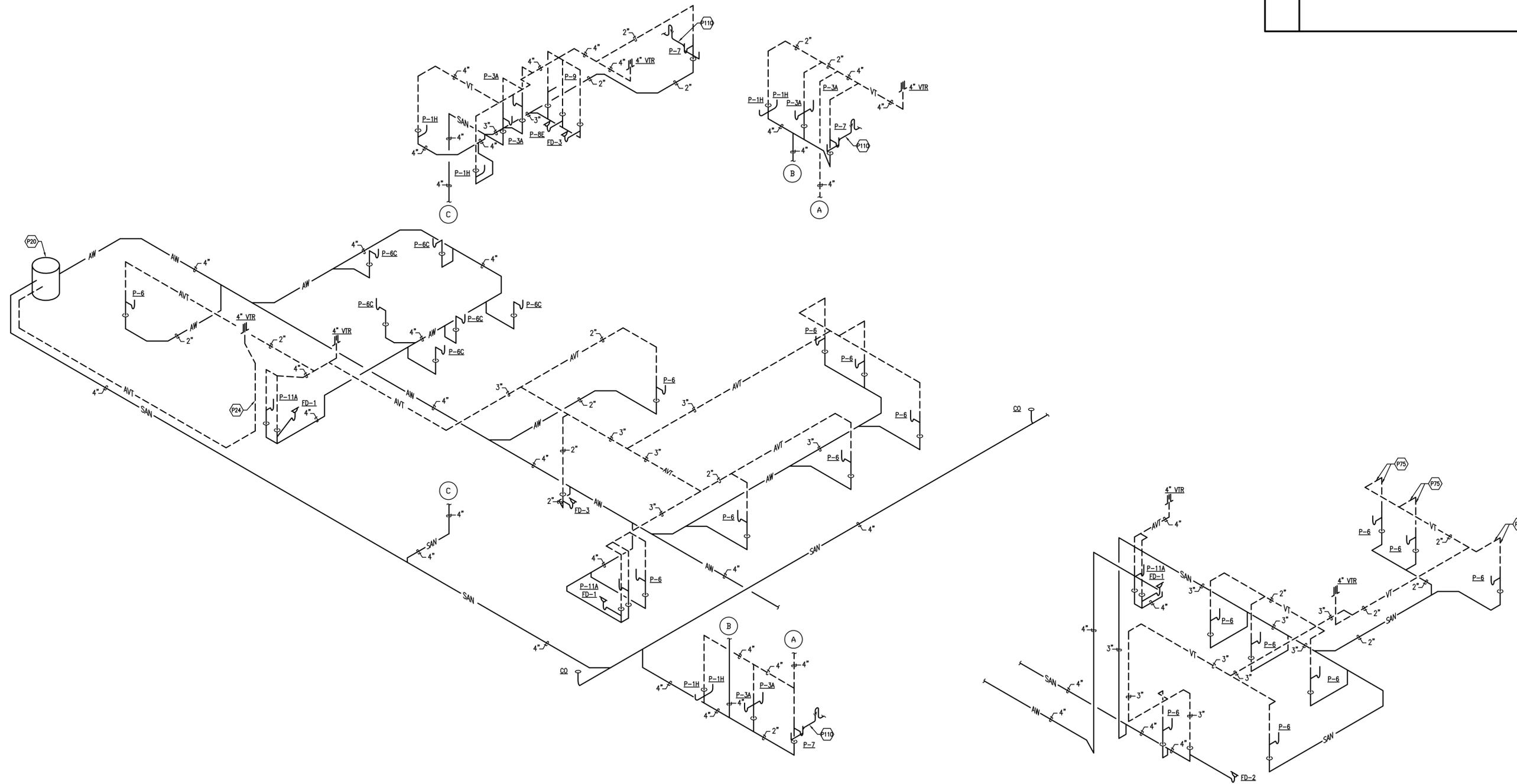
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TAGGED NOTES	
P20	ACID DILUTION PIT.
P24	4" ACID VENT PIPING FROM DILUTION PIT UP IN CHASE.
P75	ROUTE ALL PIPING WITHIN WALLS & CEILING STRUCTURE. NO PIPING SHALL BE EXPOSED IN THE CANYON/ATRIUM AREA.



DWV SCHEMATIC #3
 ROOMS: 1D03, 1D04, 1D05, 1D06, 2D02.1, 2D02.2, 2D02.3, 1E02, 1E03, 1E04, 2E02, 2E03, 2E04
 NOT TO SCALE

DWV SCHEMATIC #4
 ROOMS: 1B02, 1B05, 2B04, 2B06, 2B08
 NOT TO SCALE

SYMBOL	DESCRIPTION
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JAC	JAC
PIACDM	KDM
BRANCH MANAGER	
CHIEF ENGR/ARCH	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON DODEA MARINE CORPS BASE QUANTICO, VIRGINIA QUANTICO, VA REPLACE QUANTICO M/H SCHOOL PLUMBING DWV SCHEMATICS	
SCALE:	P-021
PROJECT NO.:	P-021
CONSTR. CONTR. NO.:	W91236-15-C-0023
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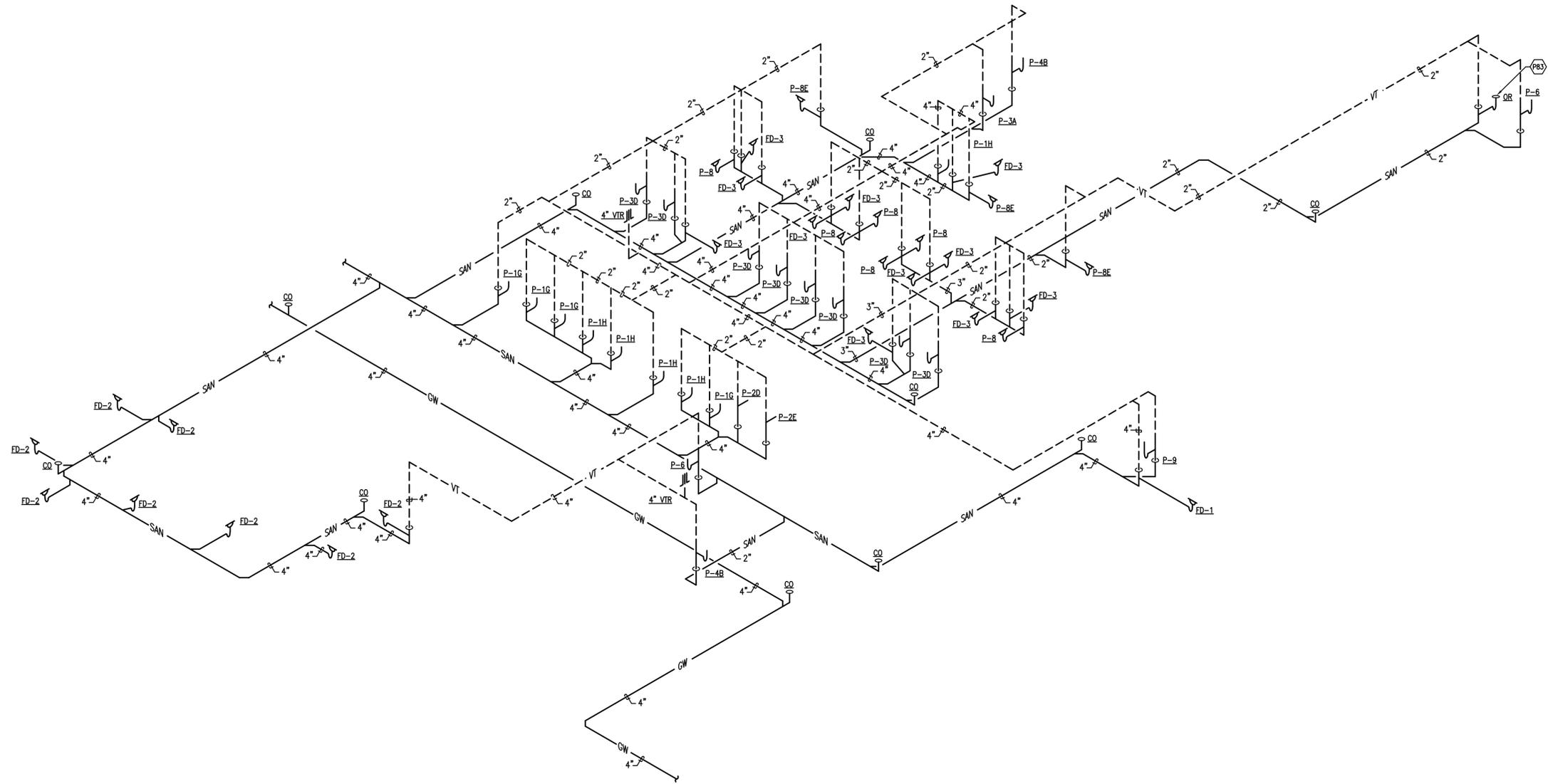


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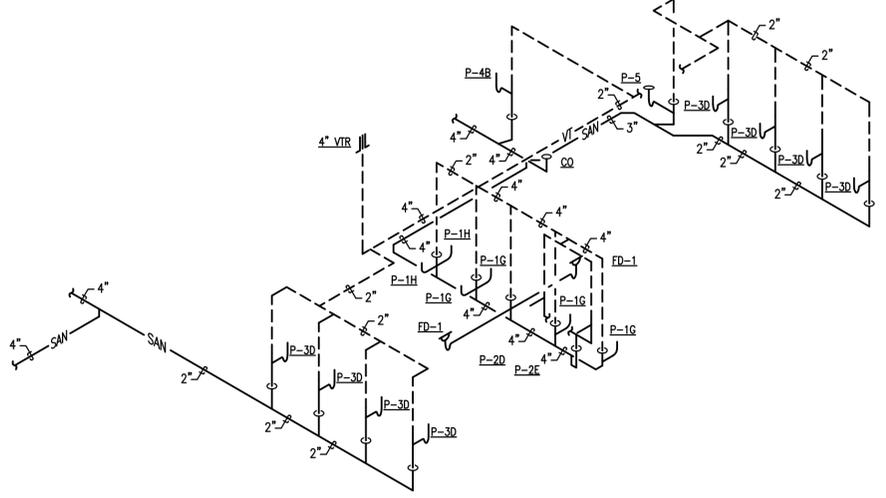
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DWV SCHEMATIC #6
 ROOMS: 1C09, 1C12, 1C20, 1C24, 1C27, 1C28 1C31, 2F264
 NOT TO SCALE

TAGGED NOTES	
P83	PIPE ICE MAKER DRAIN TO OPEN RECEPTACLE.



DWV SCHEMATIC #5
 ROOMS: 1C13, 1C14, 1C15
 NOT TO SCALE

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BRANCH MANAGER
 CHIEF ENGR ARCH

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 DODDEA
 MARINE CORPS BASE QUANTICO, VIRGINIA

NAVAL FACILITIES ENGINEERING COMMAND
 WASHINGTON
 MARINE CORPS BASE QUANTICO, VIRGINIA

REPLACE QUANTICO M/H SCHOOL
 QUANTICO, VA

PLUMBING DWV SCHEMATICS

SCALE:	P-021
PROJECT NO.:	W91236-15-C-0023
CONSTR. CONTR. NO.:	13091318
NAVFAC DRAWING NO.:	564 OF 789
SHEET	P702

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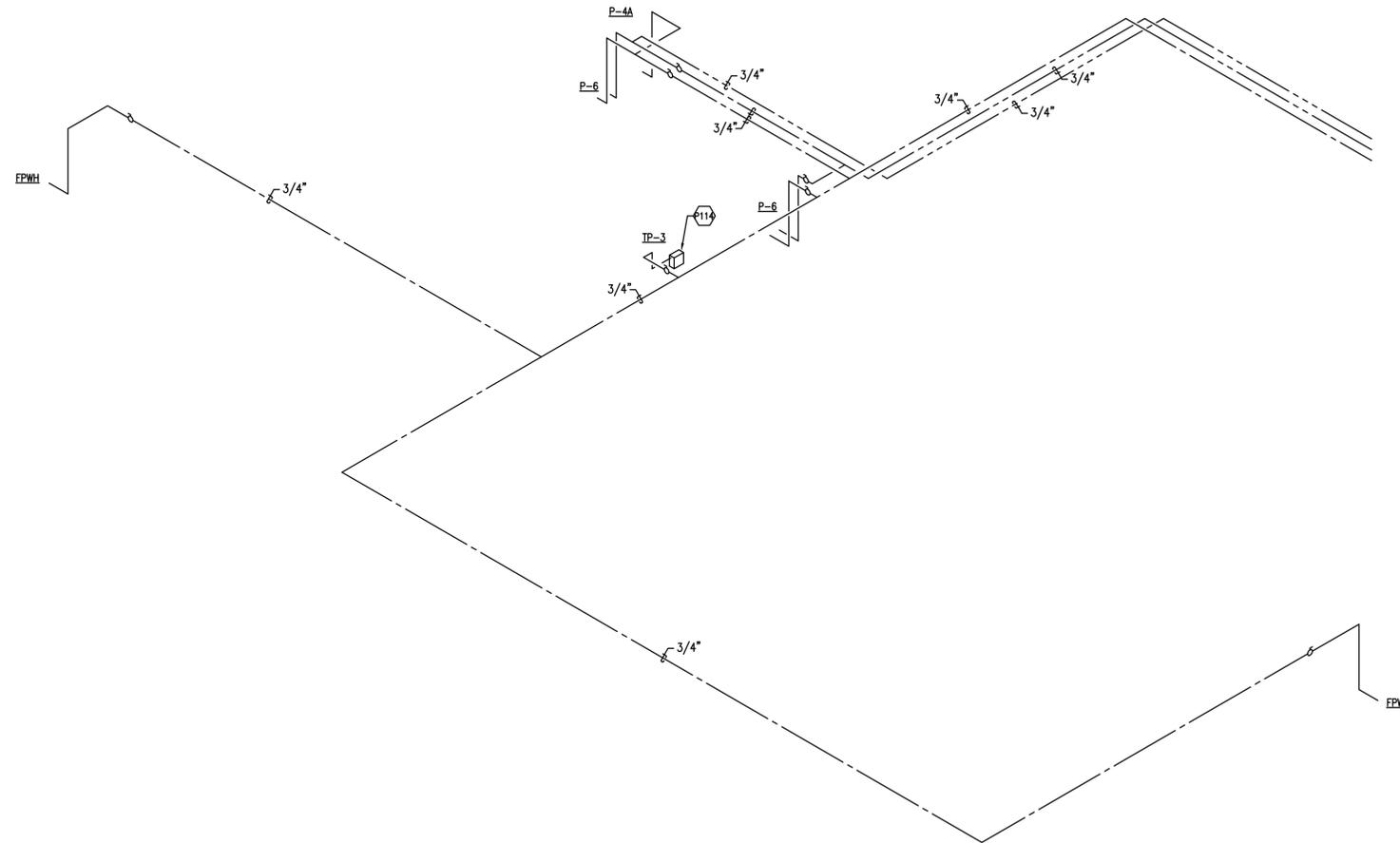
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SUPPLY SCHEMATIC #1

ROOMS: 1C47.1, 1C52, 1C53, 1C57

NOT TO SCALE

TAGGED NOTES	
P114	PROVIDE TRAP PRIMER, TP-3. MOUNT ON WALL. ROUTE COLD WATER PIPING TO FLOOR DRAIN IN CONDENSATE SUMP.

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PM/DM

BRANCH MANAGER

CHIEF ENR/ARCH

FIRE PROTECTION

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
 DOD/EA
 MARINE CORPS BASE QUANTICO, VIRGINIA
 QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL
 PLUMBING SUPPLY SCHEMATICS

SCALE:	
PROJECT NO.:	P-021
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	W91236-15-C-0023
	13091319
SHEET	565 OF 789
	P703

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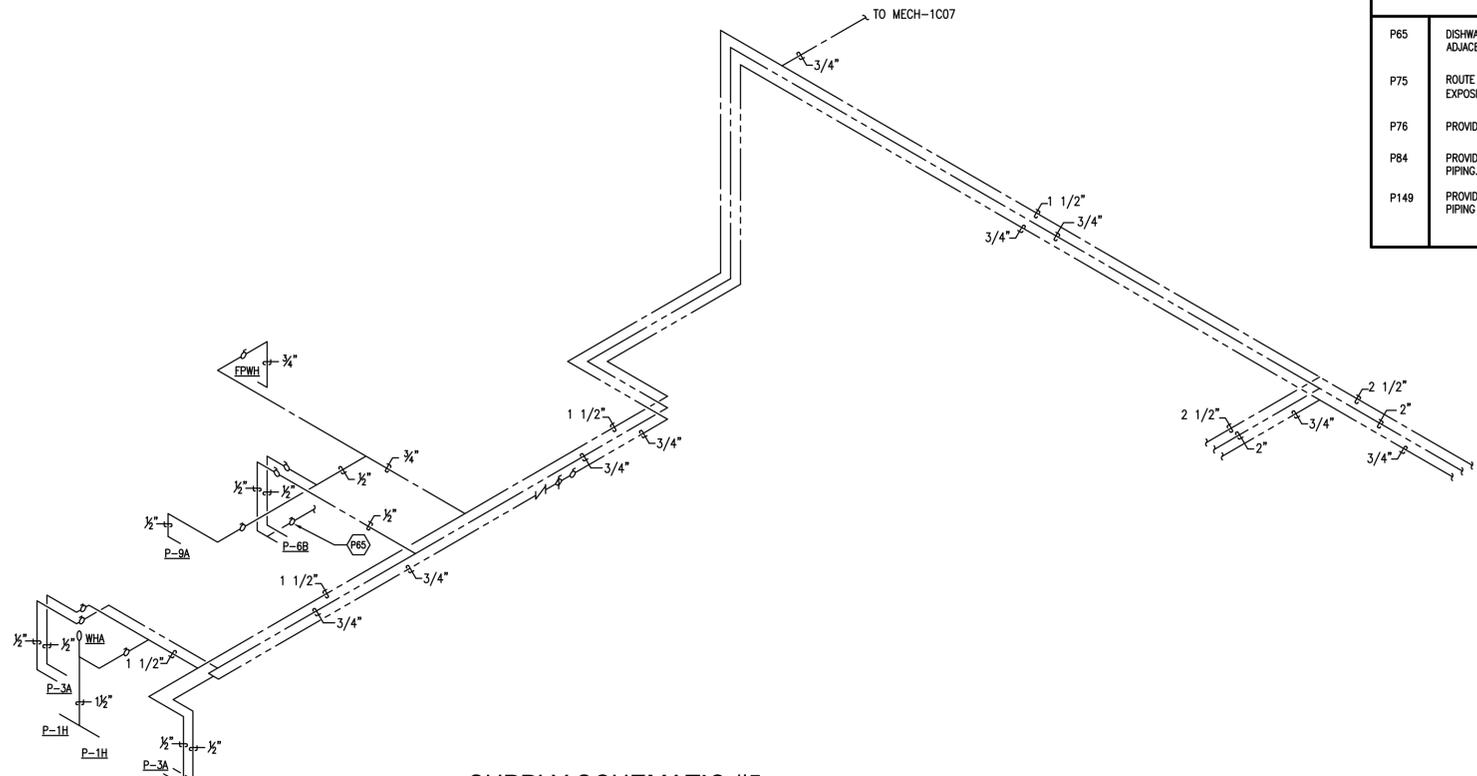
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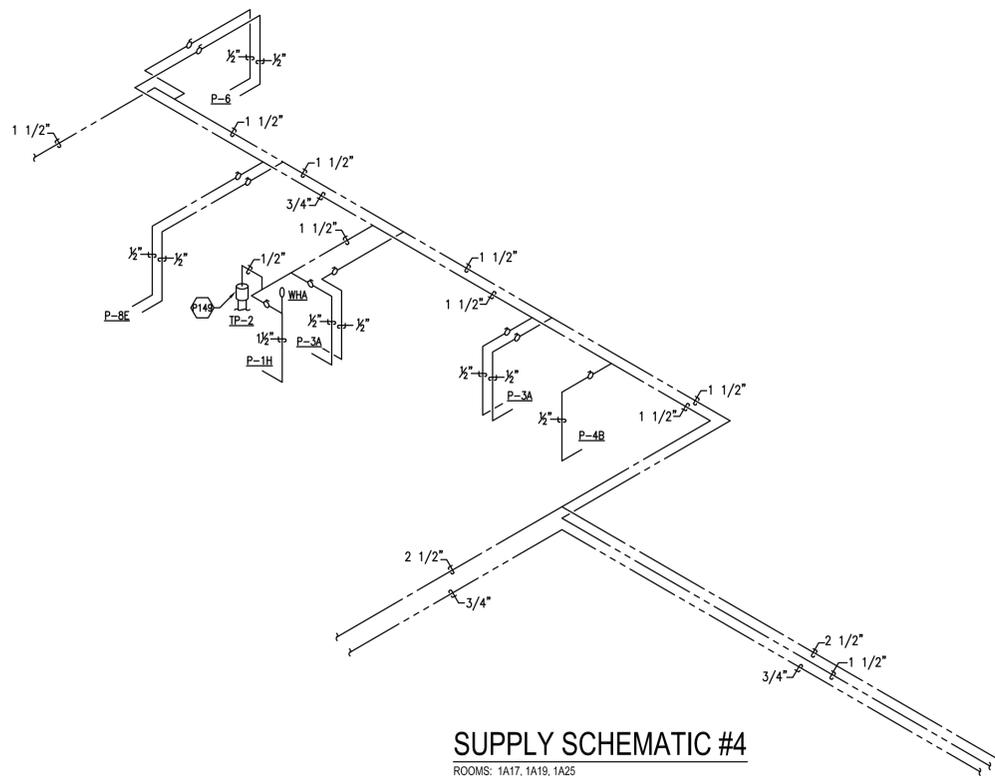
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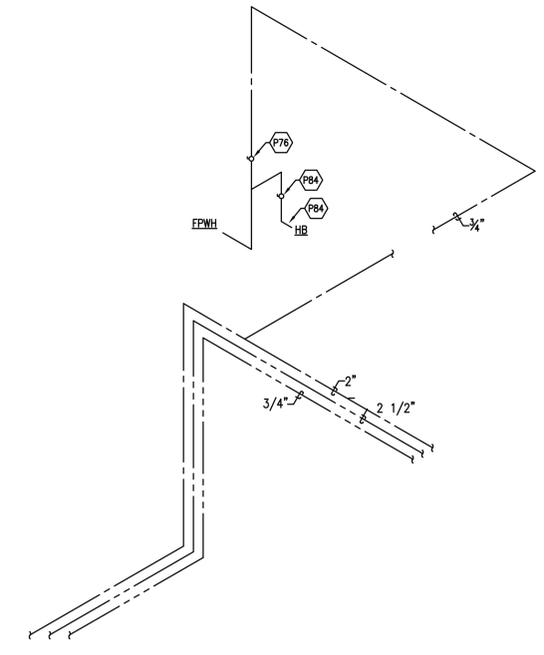
TAGGED NOTES	
P65	DISHWASHER. PROVIDE 1/2" HOT WATER WITH BALL VALVE FROM ADJACENT SINK.
P75	ROUTE ALL PIPING WITHIN CEILING STRUCTURE. NO PIPING SHALL BE EXPOSED IN THE CANYON/TRIUM AREA.
P76	PROVIDE BALL VALVE IN VERTICAL PIPING, APPROXIMATELY 4'-0" AFF.
P84	PROVIDE HOSE BIB 18" AFF IN MECH. ROOM AND ISOLATION VALVE FOR PIPING.
P149	PROVIDE TRAP PRIMER, TP-2, ABOVE CEILING. ROUTE COLD WATER PIPING TO NEARBY FLOOR DRAINS.



SUPPLY SCHEMATIC #5
 ROOMS: 1A04, 1A06, 1A08
 NOT TO SCALE



SUPPLY SCHEMATIC #4
 ROOMS: 1A17, 1A19, 1A25
 NOT TO SCALE



SUPPLY SCHEMATIC #6
 ROOMS: 1C07
 NOT TO SCALE

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SATISFACTORY TO	DATE
JAC	JAC
PIA/DM	KDM
BRANCH MANAGER	
CHIEF ENGR ARCH	

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON DODEA
 MARINE CORPS BASE QUANTICO, VIRGINIA
 QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL
 PLUMBING SUPPLY SCHEMATICS

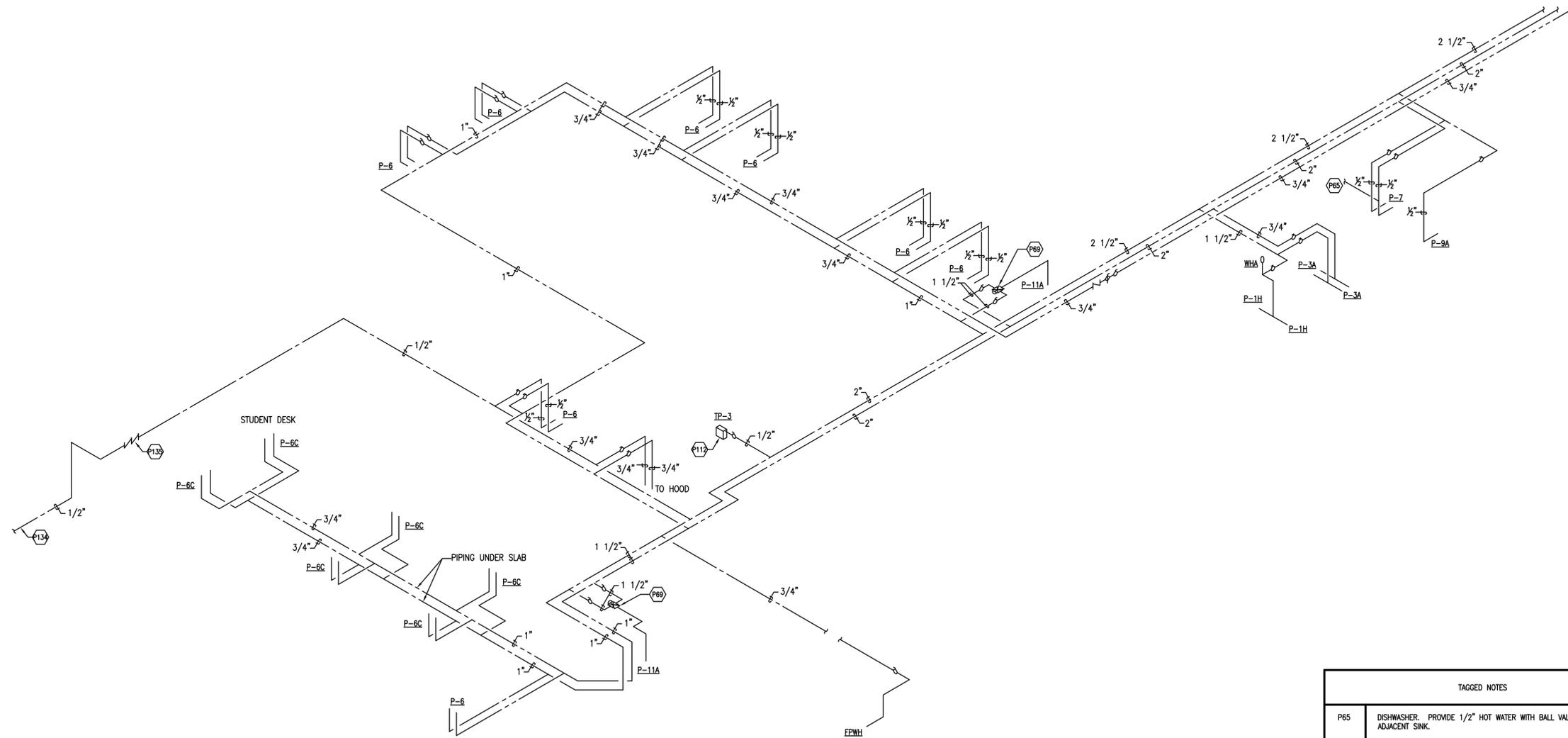
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PROJECT NO.:	P-021
CONSTR. CONTR. NO.:	W91236-15-C-0023
NAVFAC DRAWING NO.:	13091322
SHEET	568 OF 789
	P706

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SUPPLY SCHEMATIC #7

ROOMS: 1D03, 1D04, 1D06, 1E02, 1E03, 1E04

NOT TO SCALE

TAGGED NOTES	
P65	DISHWASHER. PROVIDE 1/2" HOT WATER WITH BALL VALVE FROM ADJACENT SINK.
P69	EMERGENCY SHOWER THERMOSTATIC MIXING VALVE MOUNTED ABOVE CEILING.
P112	PROVIDE TRAP PRIMER, TP-3. MOUNT ON WALL ABOVE CEILING. ROUTE COLD WATER PIPING TO NEARBY FLOOR DRAINS.
P134	1/2" UNDERGROUND COLD WATER PIPING TO DRINKING FOUNTAIN. SEE LANDSCAPE PLANS FOR CONTINUATION. MINIMUM BURY 40 INCHES.
P135	PROVIDE 1/2" DOUBLE CHECK VALVE ASSEMBLY WITH BALL VALVES MOUNTED ABOVE CEILING.

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SATISFACTORY TO	DATE
JAC	JAC
PIADM	KDM
BRANCH MANAGER	
CHIEF ENGR/ARCH	

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
 DODDEA
 MARINE CORPS BASE QUANTICO, VIRGINIA
 QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL
 PLUMBING SUPPLY SCHEMATICS

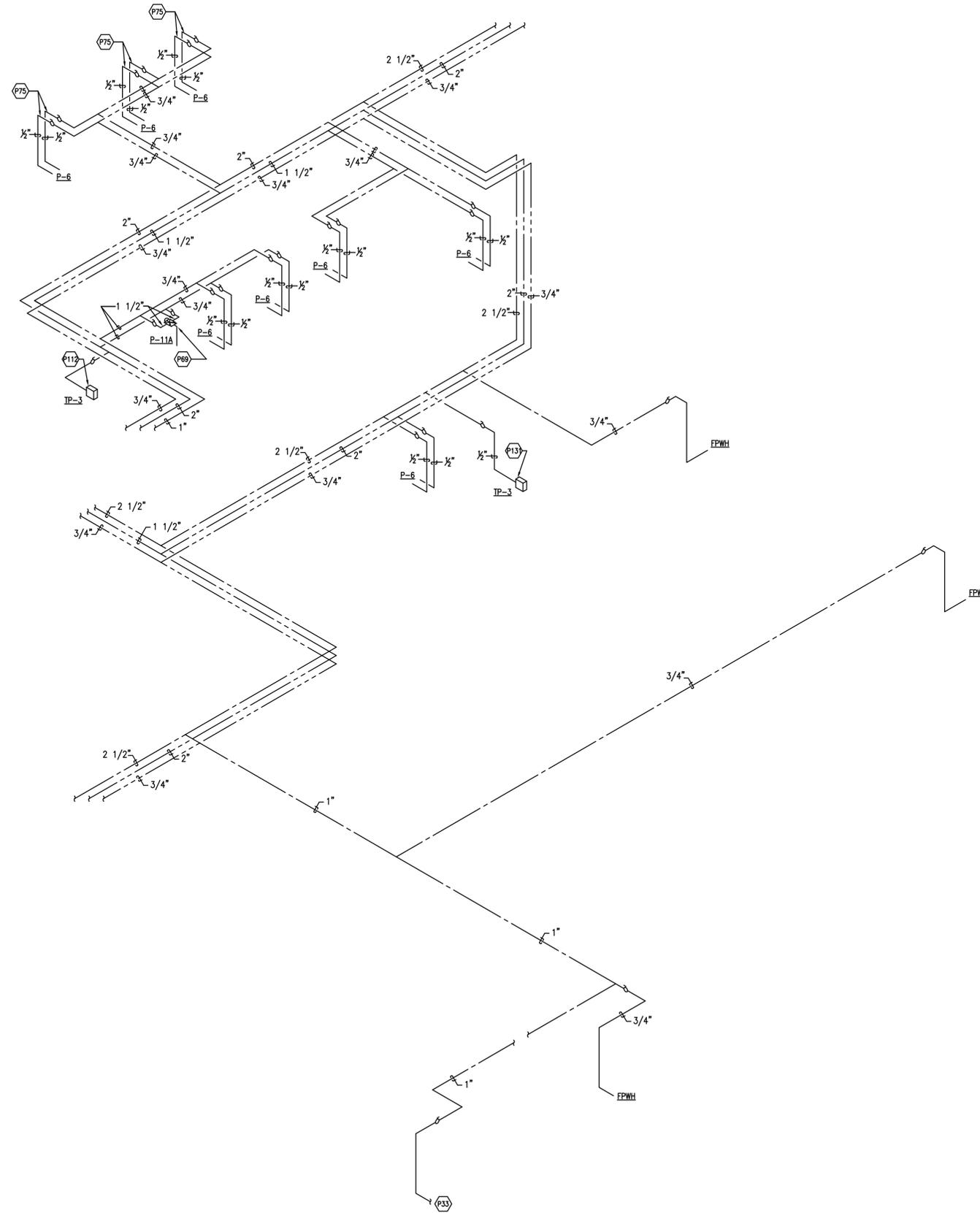
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CONSTR. CONTR. NO.:	W91236-15-C-0023
NAVFAC DRAWING NO.:	13091323
SHEET	569 OF 789
	P707

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SUPPLY SCHEMATIC #9
 ROOMS: 1B02, 2B04, 2B06
 NOT TO SCALE

TAGGED NOTES	
P33	1" UNDERGROUND COLD WATER PIPING TO GREENHOUSE. TERMINATE IN VALVE BOX NEAR PROPOSED GREENHOUSE LOCATION. SEE CIVIL PLANS FOR CONTINUATION. MINIMUM BURY 40 INCHES.
P72	PROVIDE 3/4" HOT & COLD WATER PIPING DOWN IN WALL TO MOP SINK/CAN WASH. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P73	PROVIDE 1/2" HOT & COLD WATER PIPING DOWN IN WALL TO HOSE REEL. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P74	1 1/2" COLD WATER & 1" HOT WATER PIPING DOWN IN CHASE KITCHEN EQUIPMENT. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P75	ROUTE ALL PIPING WITHIN WALLS & CEILING STRUCTURE. NO PIPING SHALL BE EXPOSED IN THE CANYON/ATRIUM AREA.

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JAC	JAC
KDM	KDM

PIACDM
 BRANCH MANAGER
 CHIEF ENGR ARCH

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
 DOD/EA
 MARINE CORPS BASE QUANTICO, VIRGINIA
 QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL
 PLUMBING SUPPLY SCHEMATICS

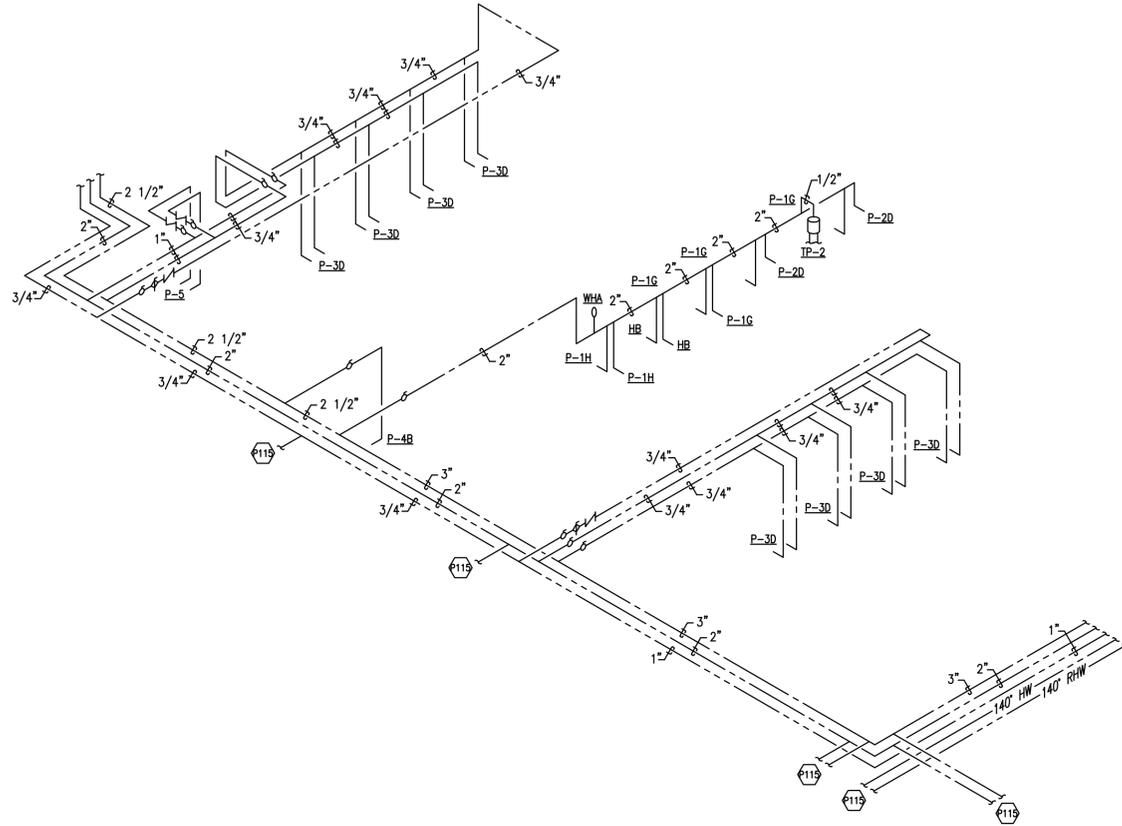
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CONSTR. CONTR. NO.:	W91236-15-C-0023
NAVFAC DRAWING NO.:	13091325
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	P709

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SUPPLY SCHEMATIC #10

ROOMS: 1C13, 1C14, 1C15

NOT TO SCALE

TAGGED NOTES	
P115	SEE KITCHEN SUPPLY SCHEMATIC FOR CONTINUATION.

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JAC	JAC
PMDCM	
BRANCH MANAGER	
CHIEF ENR/ARCH	

NAVAL FACILITIES ENGINEERING COMMAND
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 MARINE CORPS BASE QUANTICO, VIRGINIA
 QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL
 PLUMBING SUPPLY SCHEMATICS

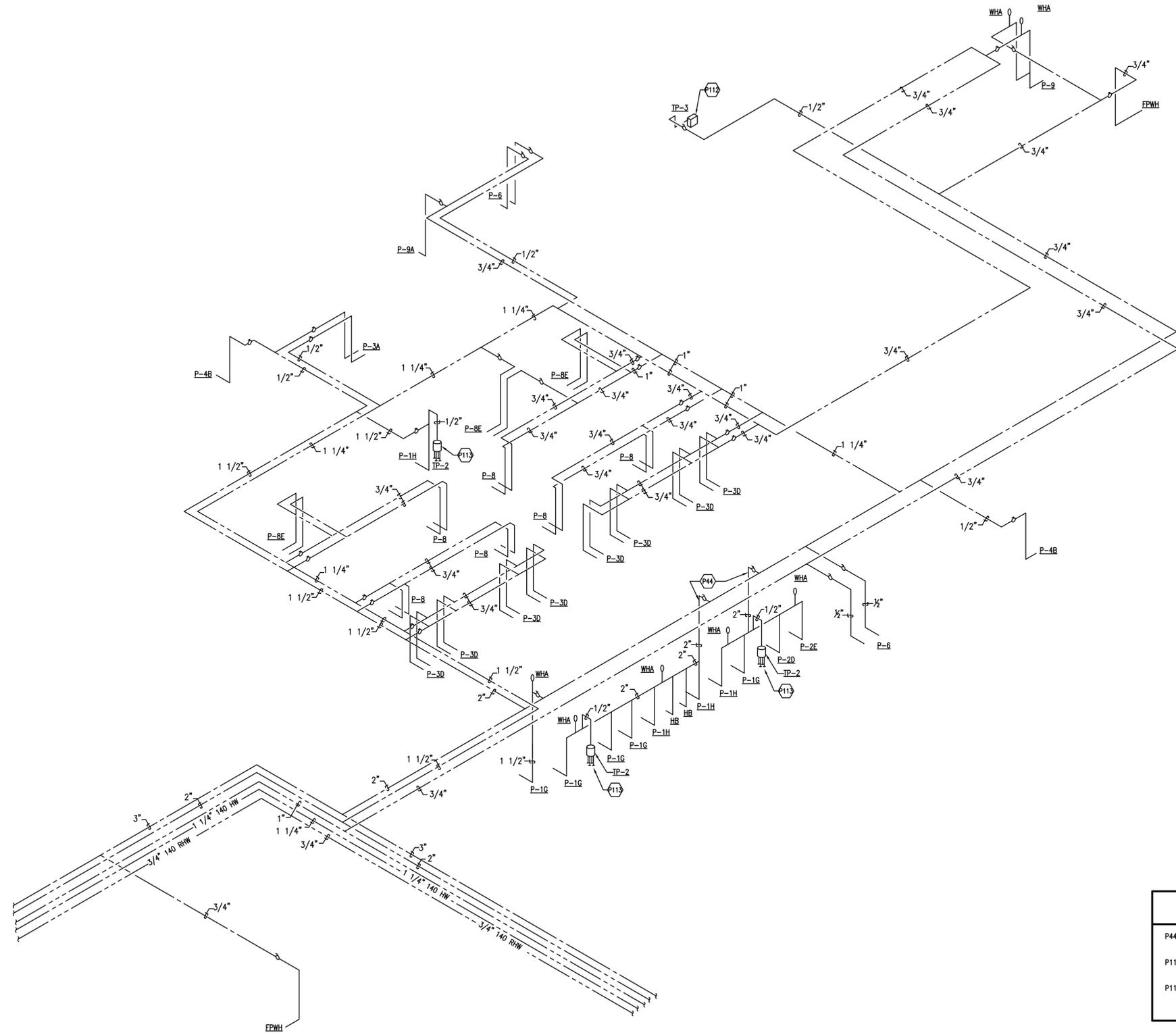
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 CONSTR. CONTR. NO.
 W91236-15-C-0023
 NAVFAC DRAWING NO.
 13091326
 SHEET 572 OF 789
 P710

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SUPPLY SCHEMATIC #11

ROOMS: 1C09, 1C12, 1C20, 1C24, 1C28, 1C31

NOT TO SCALE

TAGGED NOTES	
P44	2" COLD WATER PIPING DOWN IN CHASE TO FIXTURES BELOW. ROUTE 2" HEADER PIPE HORIZONTALLY & FULL SIZE ENTIRE LENGTH OF CHASE.
P112	PROVIDE TRAP PRIMER, TP-3. MOUNT ON WALL ABOVE CEILING. ROUTE COLD WATER PIPING TO NEARBY OPEN RECEPTACLE.
P113	PROVIDE TRAP PRIMER, TP-2, IN PLUMBING CHASE. ROUTE COLD WATER PIPING TO NEARBY FLOOR DRAINS.

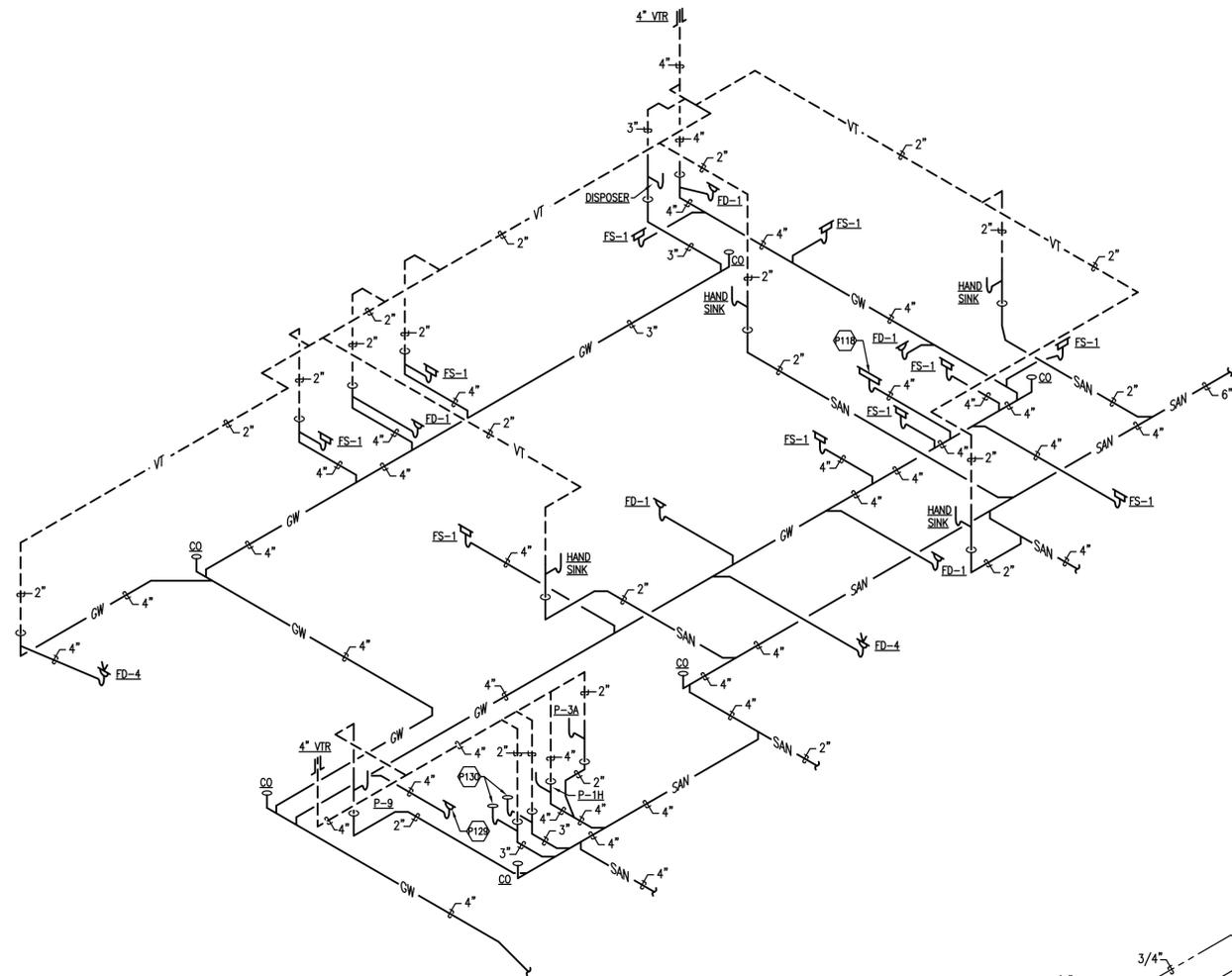
SYMBOL	DESCRIPTION	DATE	APPROVED
			
			
			
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AE INFO			
APPROVED			
FOR COMMANDER NAVFAC ACTIVITY			
SATISFACTORY TO	DATE		
JAC	JAC	KDM	
PMDCM			
BRANCH MANAGER			
CHIEF ENGR ARCH			
FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON DODGE MARINE CORPS BASE QUANTICO, VIRGINIA QUANTICO, VA REPLACE QUANTICO M/H SCHOOL PLUMBING SUPPLY SCHEMATICS			
SCALE: P-021			
CONSTR. CONTR. NO. W91236-15-C-0023			
NAVFAC DRAWING NO. 13091327			
SHEET 573 OF 789			
P711			

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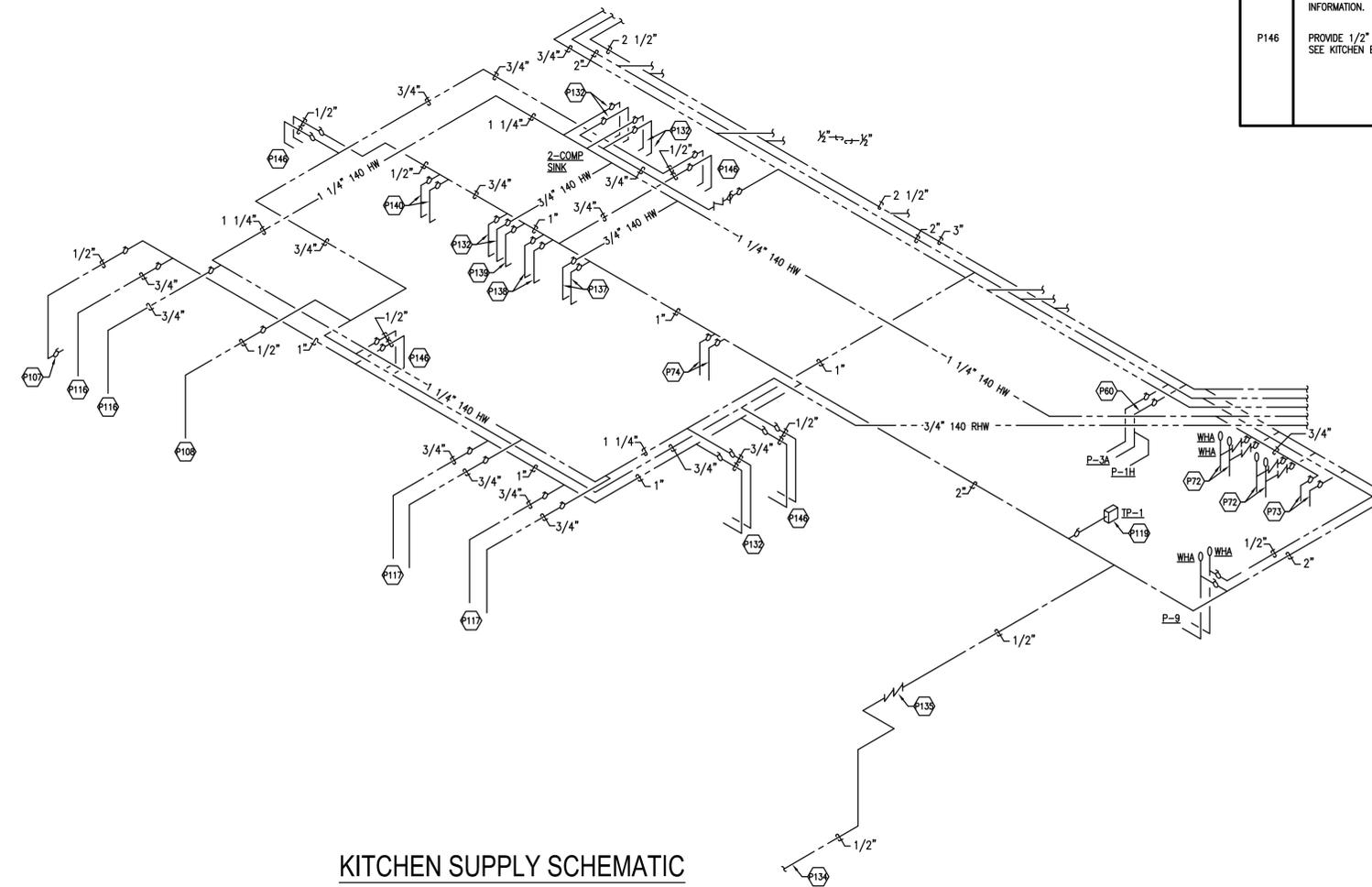
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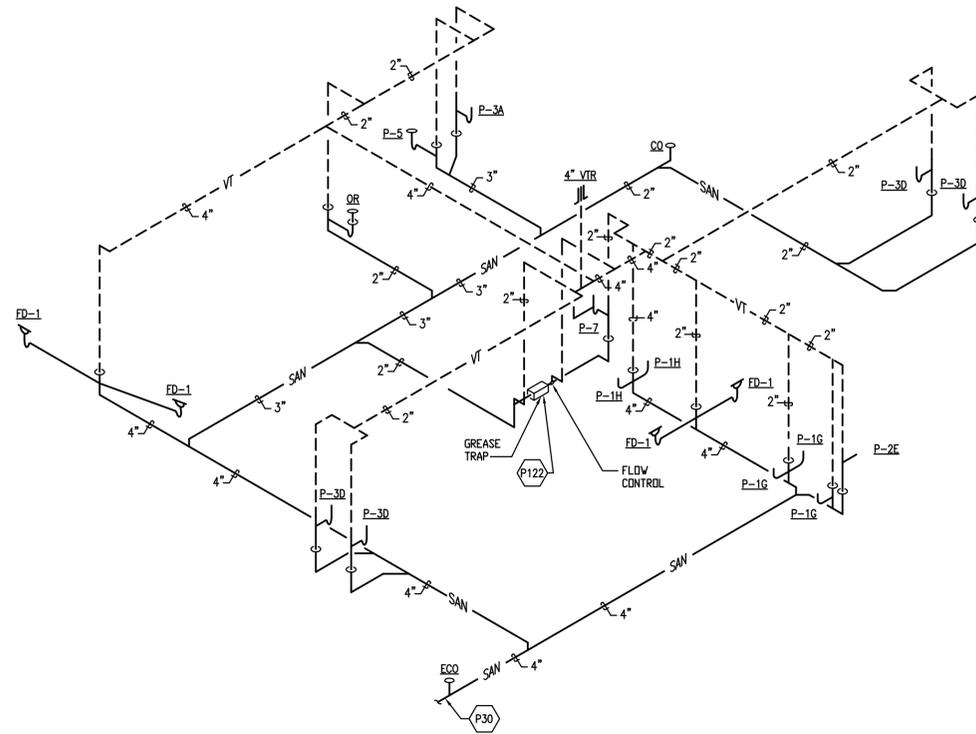
KITCHEN DWV SCHEMATIC
NOT TO SCALE



KITCHEN SUPPLY SCHEMATIC
NOT TO SCALE

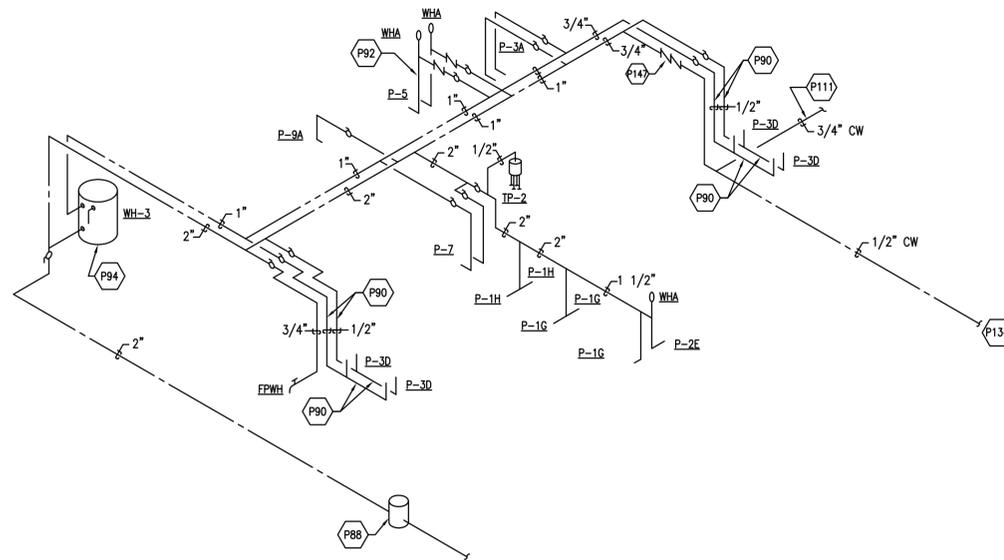
TAGGED NOTES	
P72	PROVIDE 3/4" HOT & COLD WATER PIPING DOWN IN WALL TO MOP SINK/CAN WASH. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P73	PROVIDE 1/2" HOT & COLD WATER PIPING DOWN IN WALL TO HOSE REEL. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P107	PROVIDE BALL VALVE UNDER COUNTER PRIOR TO DISPOSER CONTROL CENTER. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P108	REFER TO DISHWASHER CONNECTION DETAIL ON SHEET P503 & KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P116	PRE-RINSE FAUCET. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P117	3-COMPARTMENT POWERSOAK SINK. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P118	FLOOR TROUGH. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P119	PROVIDE TRAP PRIMER, TP-1. MOUNT ON WALL AT 5'-0" AFF. ROUTE COLD WATER PIPING TO ALL FLOOR DRAINS, FLOOR SINKS, TRENCH/TROUGH DRAINS IN KITCHEN & KITCHEN ANGLIARY SPACES.
P129	FLOOR DRAIN. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P130	MOP SINK/CAN WASH. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P132	3/4" 140 DEG HOT WATER & 3/4" COLD WATER PIPING DOWN IN WALL TO SINK. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P134	1/2" UNDERGROUND COLD WATER PIPING TO DRINKING FOUNTAIN. SEE LANDSCAPE PLANS FOR CONTINUATION. MINIMUM BURY 40 INCHES.
P135	PROVIDE 1/2" DOUBLE CHECK VALVE ASSEMBLY WITH BALL VALVES MOUNTED ABOVE CEILING.
P137	PROVIDE 3/4" 140 DEG HOT WATER & 3/4" COLD WATER PIPING DOWN IN WALL TO TABLE TOP KETTLE. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P138	PROVIDE TWO (2) 3/4" COLD WATER PIPING DOWN IN WALL TO BOILERLESS STEAMER. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P139	PROVIDE 3/4" COLD WATER PIPING DOWN IN WALL TO BRAISING PAN. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P140	PROVIDE TWO (2) 3/4" COLD WATER PIPING DOWN IN WALL TO COMBI OVEN. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
P146	PROVIDE 1/2" HOT & COLD WATER PIPING DOWN IN WALL TO HAND SINK. SEE KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.

APPR	
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AE INFO	
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FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
JAC	JAC
KDM	
PIADM	
BRANCH MANAGER	
CHIEF ENR/ARCH	
FIRE PROTECTION	
NAVAL FACILITIES ENGINEERING COMMAND	QUANTICO, VA
NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON	QUANTICO, VA
DODDA	
MARINE CORPS BASE QUANTICO	
REPLACE QUANTICO M/H SCHOOL	
	KITCHEN PLUMBING DWV & SUPPLY SCHEMATICS
SCALE:	
PROJECT NO.:	P-021
CONSTR. CONTR. NO.	
	W91236-15-C-0023
NAVFAC DRAWING NO.	13091328
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	P712



CONCESSION STAND DWV SCHEMATIC

NOT TO SCALE



CONCESSION STAND SUPPLY SCHEMATIC

NOT TO SCALE

TAGGED NOTES	
P30	REFER TO CIVIL PLANS FOR CONTINUATION.
P88	DOMESTIC WATER DRAINAGE PIT. REFER TO DETAIL ON SHEET P506.
P90	1/2" COLD & HOT WATER PIPING DOWN IN WALL. ROUTE PIPING UNDER COUNTER TO LAVATORIES.
P92	REFER TO MOP SINK DETAIL ON SHEET P502 FOR MORE INFORMATION.
P94	REFER TO CONCESSION BUILDING WATER HEATER DETAIL ON SHEET P506 FOR MORE INFORMATION.
P111	UNDER GROUND COLD WATER PIPING TO YARD HYDRANT. SEE CIVIL PLANS FOR CONTINUATION.
P122	PROVIDE FLOOR MOUNTED GREASE TRAP - ACID RESISTANT COATED INTERIOR & EXTERIOR FABRICATED STEEL, PDI RATED AT 4 GPM AND 8 LBS. GREASE CAPACITY, WITH INTERNAL AIR RELIEF BY-PASS, BRONZE CLEANOUT PLUG, REMOVABLE PRESSURE EQUALIZING/FLOW DIFFUSING INLET BAFFLE, FIXED BOTTOM OUTLET BAFFLE & VISIBLE DOUBLE WALL TRAP SEAL, GASKETED NON-SKID SECURED COVER COMPLETE WITH FLOW CONTROLS FITTING.

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SATISFACTORY TO	DATE
JAC	JAC
KDM	KDM

PIACDM

BRANCH MANAGER

CHIEF ENGR ARCH

FIRE PROTECTION

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON

DODDIA

MARINE CORPS BASE QUANTICO, VIRGINIA

QUANTICO, VA

MARINE CORPS BASE QUANTICO

REPLACE QUANTICO M/H SCHOOL

CONCESSION STAND PLUMBING DWV & SUPPLY SCHEMATICS

SCALE:

PROJECT NO.: P-021

CONSTR. CONTR. NO.

W91236-15-C-0023

NAVFAC DRAWING NO.

13091329

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P713

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CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

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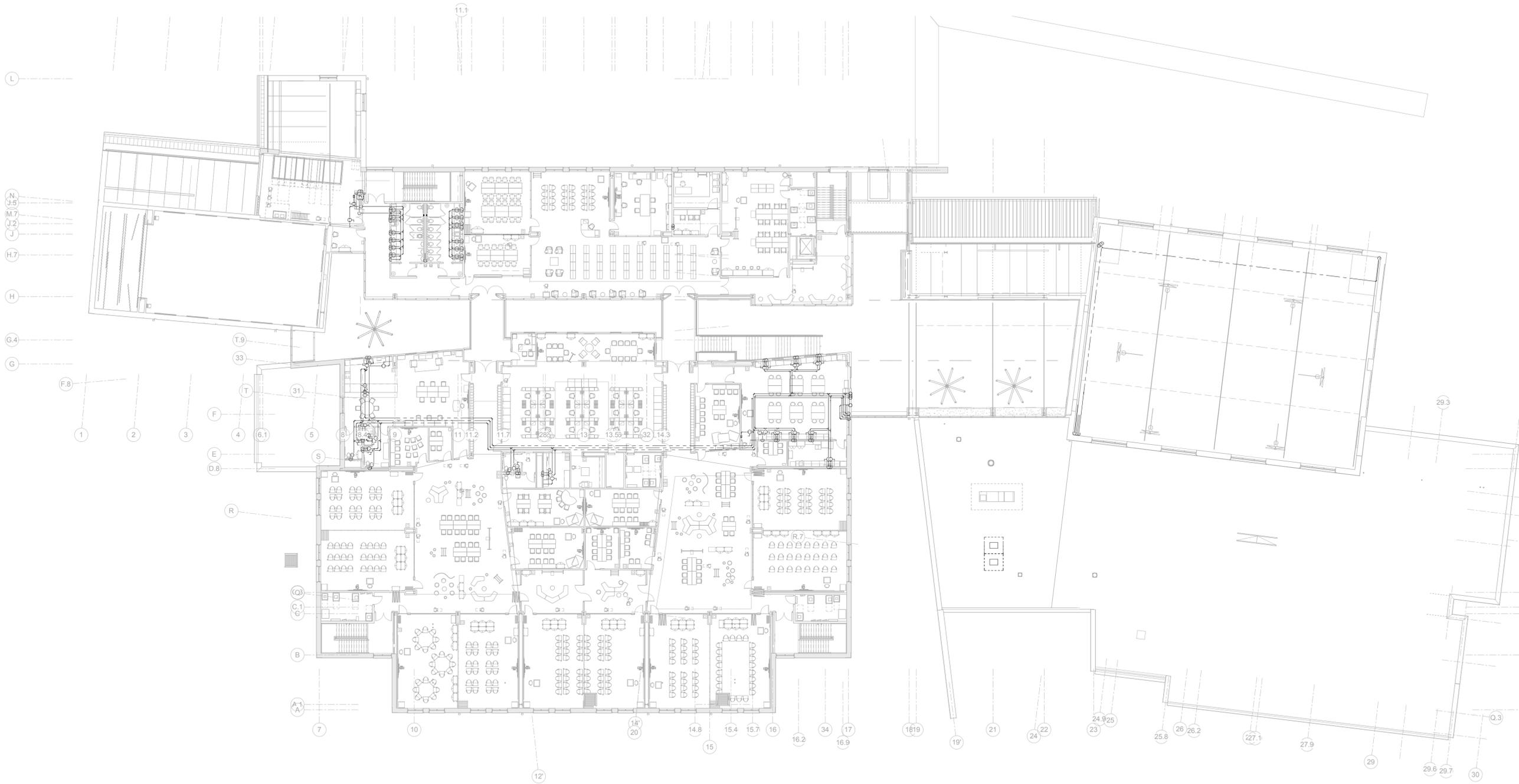
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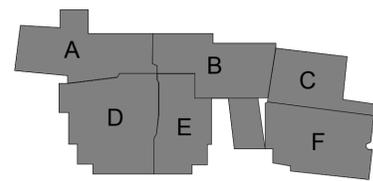
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SECOND FLOOR PLUMBING SUPPLY REFERENCE PLAN



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SYMBOL	DESCRIPTION	DATE	APPROVED
			
			
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AE INFO			
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JAC	JAC	KDM	
PRMCM			
BRANCH MANAGER			
CHIEF ENGR ARCH			
FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON DOD/EA MARINE CORPS BASE QUANTICO, VIRGINIA QUANTICO, VA			
REPLACE QUANTICO M/H SCHOOL SECOND FLOOR PLUMBING SUPPLY REFERENCE PLAN			
SCALE: 1" = 20'-0"			
PROJECT NO.: P-021			
CONSTR. CONTR. NO. W91236-15-C-0023			
NAVFAC DRAWING NO. 13091332			
SHEET 578 OF 789			
PL104			
DRAWING REVISION: 10 MARCH 2009			

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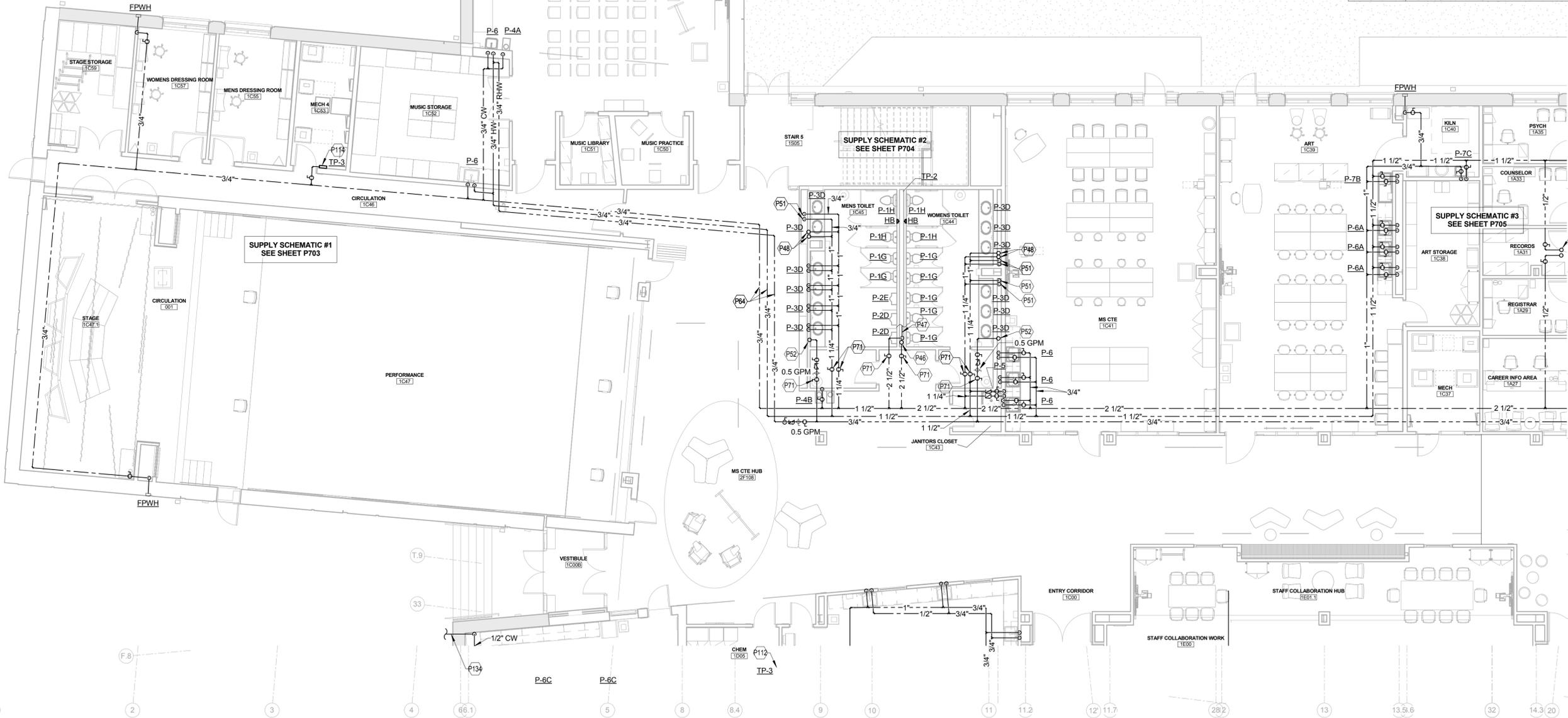
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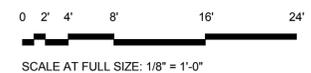
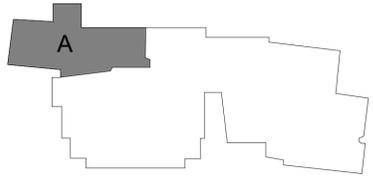
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TAGGED NOTES	
P46	2 1/2" COLD WATER PIPING UP TO PLUMBING CHASE ON SECOND FLOOR.
P47	ROUTE 2 1/2" COLD WATER HEADER PIPE TO EACH PLUMBING FIXTURE. ROUTE HORIZONTALLY & FULL SIZE ENTIRE LENGTH OF CHASE
P48	1" HOT WATER & COLD WATER PIPING UP TO LAVATORIES ON SECOND FLOOR.
P51	3/4" HOT WATER & COLD WATER PIPING DOWN IN CHASE TO LAVATORIES.
P52	3/4" RECIRCULATED HOT WATER UP TO SECOND FLOOR.
P55	1/2" HOT WATER & COLD WATER PIPING UP TO SINK ON SECOND FLOOR.
P64	PIPING ABOVE FIRST FLOOR CEILING.
P71	PROVIDE 24"X24" ACCESS DOOR IN CEILING. COORDINATE VALVES & ACCESS DOOR WITH REFLECTIVE CEILING PLAN, ALL TRADES, ETC.
P112	PROVIDE TRAP PRIMER, TP-3. MOUNT ON WALL ABOVE CEILING. ROUTE COLD WATER PIPING TO NEARBY FLOOR DRAINS/OPEN RECEPTACLES, ETC.
P114	PROVIDE TRAP PRIMER, TP-3. MOUNT ON WALL. ROUTE COLD WATER PIPING TO FLOOR DRAIN IN CONDENSATE SUMP.
P134	1/2" UNDERGROUND COLD WATER PIPING TO DRINKING FOUNTAIN. SEE LANDSCAPE PLANS FOR CONTINUATION. MINIMUM BURY 40 INCHES.
P135	PROVIDE 1/2" DOUBLE CHECK VALVE ASSEMBLY WITH BALL VALVES MOUNTED ABOVE CEILING.



FIRST FLOOR AREA A - PLUMBING SUPPLY PLAN



SYN	DESCRIPTION	DATE	APPR



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SATISFACTORY TO	DATE
JAC	JAC
PRMCM	KDM
BRANCH MANAGER	
CHIEF ENGR ARCH	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
 DDOEA
 MARINE CORPS BASE QUANTICO, VIRGINIA
 QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL
 FIRST FLOOR - AREA 'A' - PLUMBING SUPPLY PLAN

SCALE:	1/8" = 1'-0"
PROJECT NO.:	P-021
CONSTR. CONTR. NO.:	W91236-15-C-0023
NAVFAC DRAWING NO.:	13091333
SHEET	579 OF 789
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