

GENERAL PLUMBING NOTES

- DETERMINE EXACT LOCATIONS OF EXISTING UTILITY IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
- ALL PLUMBING WORK SHALL COMPLY WITH THE 2020 NEW YORK STATE PLUMBING CODE.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES, INCLUDING (BUT NOT LIMITED TO), ELECTRICAL, HVAC PROCESS PIPING, SPRINKLER, PLUMBING STRUCTURAL AND GENERAL ARCHITECTURE.
- ANY INTERFERENCE SHALL BE BROUGHT TO THE ATTENTION OF THE CAMPUS AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
- NO WORK SHALL BE INSTALLED IN VIOLATION OF ANY GOVERNING CODES. ANY WORK SHOWN ON THE DRAWINGS WHICH IS IN VIOLATION OF SUCH CODES SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND THE CAMPUS AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
- ALL PIPING PENETRATING CEILING AND WALLS SHALL BE INSTALLED WITH CHROME (STAINLESS WHERE NOTED) PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE SEALED WEATHER TIGHT. PIPING PENETRATING RATED PARTITIONS SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY. (SEE DETAILS)
- MANUFACTURER'S MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
- PROVIDE ACCESS PANELS FOR EQUIPMENT THAT REQUIRES PERIODIC SERVICE.
- TOPS OF ALL FLOOR DRAINS SHALL BE SET FLUSH WITH FINISHED FLOOR. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.
- CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN HEREIN.
- PROVIDE SHUTOFF VALVES ON ALL BRANCH PIPING AND ON ALL SUPPLIES TO INDIVIDUAL FIXTURES AND EQUIPMENT. PROVIDE BALL VALVES ON ALL WATER MAIN BRANCHES IN CORRIDORS AND WHERE INDICATED ON DRAWINGS. ALL VALVES SHALL BE ACCESSIBLE.
- ALL SLEEVES THROUGH CONCRETE FLOORS AND ALL CORE DRILLING OF CONCRETE FLOORS AND WALLS SHALL BE BY THE CONTRACTOR.
- CONCRETE PADS AND PLATFORMS FOR WORK OF THIS SECTION WILL BE PROVIDED BY GENERAL CONTRACTOR. PROVIDE INFORMATION AND HARDWARE AS NECESSARY TO COORDINATE WORK.
- SCHEDULE WORK OF THIS SECTION TO AVOID INTERFERENCE WITH FIREPROOFING WORK.
- COORDINATE ROOF PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS.
- RUN PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE, AND CLEAR OF CEILING INSERTS.
- STRUCTURAL WELDING SHALL BE 1/4-INCH FILLET UNLESS REQUIRED OTHERWISE.
- PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
- PROVIDE BALANCING VALVES AT SYSTEM LOOP RETURNS AND AT RETURN RISERS. PROVIDE SHUTOFF VALVES AT SYSTEM LOOP SUPPLIES AND SUPPLY RISERS.
- PROVIDE GAUGE FITTINGS AND THERMOMETER WELLS AT HOT WATER SUPPLY AND RETURN BRANCHES AND PUMP INLETS AND OUTLETS.
- VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.
- PIPING SHALL NOT RUN OVER ELECTRICAL PANELS AND SHALL BE COORDINATED WITH WORK OF OTHER TRADES.
- THE DRAWINGS ARE DIAGRAMMATIC ONLY. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS OF THE BUILDING AND EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES AND TAXES.
- IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR ANY SITE DPW PERMIT AND NOTIFICATION.
- CONTRACTOR SHALL MAKE NO CHANGES WITHOUT THE WRITTEN PERMISSION FROM THE DESIGN ARCHITECT AND DESIGN ENGINEER.
- ALL MATERIAL AND EQUIPMENT INDICATED ON THE PLANS OR DESCRIBED IN THE SPECIFICATIONS OR BOTH SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE IN NEW CONDITION AT ACCEPTANCE OF WORK, EXCEPT AS APPROVED BY THE SUFC CAMPUS AUTHORITY.
- CONTRACTOR ASSUMES RESPONSIBILITY FOR PROPER ARRANGEMENT OF PIPE, FIXTURES, ETC. TO CONNECT APPROVED EQUIPMENT IN A PROPER AND APPROVED MANNER. CONTRACTOR SHALL FOLLOW EQUIPMENT MANUFACTURER'S DETAILED INSTRUCTIONS AND THE CONTRACT DOCUMENTS. NOTIFY THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH ALL WORK. NO EQUIPMENT INSTALLATION OR CONNECTIONS SHALL BE MADE IN A MANNER THAT VOID'S THE MANUFACTURER'S WARRANTY.
- DO NOT CUT STRUCTURAL MEMBERS WITHOUT THE APPROVAL OF THE DESIGN ARCHITECT AND DESIGN STRUCTURAL ENGINEER AND PERFORM CUTTING IN A MANNER AS DIRECTED BY THE DESIGN ARCHITECT AND DESIGN STRUCTURAL ENGINEER.
- PROVIDE SLEEVES FOR ALL FLOOR PENETRATIONS WITH TOP OF SLEEVE 2" ABOVE FINISHED FLOOR.
- FLOOR TO BE SLOPED 1/8" TO FLOOR DRAINS. TOP OF DRAIN FLUSH WITH FINISHED FLOOR.
- MAINTAIN WORK AREA CLEAN AT ALL TIMES DURING CONSTRUCTION. AFTER COMPLETING INSTALLATION OF WORK, CLEAN ALL FIXTURES OF ALL RUBBISH, PLASTER, DIRT AND OTHER DEBRIS.
- TEST ALL SYSTEMS. ALL FIXTURES SHALL OPERATE SATISFACTORILY AS DESIGNED AND INTENDED. REPORT ANY DEFICIENCIES TO THE DESIGN ENGINEER.
- ALL PIPING SYSTEMS SHALL BE TESTED AT DESIGN PRESSURES FOR A PERIOD OF TIME AS PRESCRIBED BY THE LOCAL AUTHORITIES HAVING JURISDICTION.
- ALL SANITARY DRAINAGE PIPING 3" AND LARGER SHALL BE INSTALLED WITH A MINIMUM SLOPE OF 1/8" FALL PER 1'-0" OF RUN.
- ALL SANITARY DRAINAGE PIPING 2" AND LESS SHALL BE INSTALLED WITH A MINIMUM SLOPE OF 1/4" FALL PER 1'-0" OF RUN.
- TO THE BEST OF DESIGNER'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THE PLANS OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE ENERGY CODE.
- ALL FLOOR DRAINS IN FINISHED AREAS SHALL BE LOCATED AS PER THE ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR SHALL VERIFY THE COMPATIBILITY OF THE DRAINS WITH THE APPROVED WATER PROOFING SYSTEMS PRIOR TO SUBMITTING SHOP DRAWINGS.
- THE TOP OF CURVE OF ALL FLOOR DRAINS SHALL BE FLUSH WITH THE ADJACENT FINISHED FLOOR.

PLUMIING REMOVAL NOTES

- WHERE EXISTING PLUMBING FIXTURES ARE INDICATED TO BE REMOVED, REMOVE EXISTING FIXTURE, TRIM, AND ALL ASSOCIATED PIPING AND HARDWARE. REMOVE SERVICE BRANCHES BACK TO NEAREST MAIN AND CAP. DEAD LEGS SHALL NOT EXCEED 2'-0" IN LENGTH.
- REMOVAL SHALL BE PERFORMED IN SUCH A MANNER THAT WILL NOT DAMAGE ADJOINING SURFACES OR EQUIPMENT INDICATED TO REMAIN. WHERE SURFACES MUST BE REMOVED TO COMPLETE REMOVAL, THE CONTRACTOR SHALL REPLACE AND REPAIR THE SURFACES BACK TO THE ORIGINAL CONDITION.
- WHERE REMOVAL WOULD AFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING, THE CONTRACTOR SHALL NOTIFY THE DESIGN ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH REMOVAL.
- ALL REMOVED FIXTURES AND TRIM SHALL REMAIN THE PROPERTY OF THE CAMPUS AND THE CONTRACTOR SHALL STORE ON SITE OR REMOVE FROM SITE SAID FIXTURES AS DIRECTED BY THE CAMPUS.
- THE CONTRACTOR SHALL COORDINATE ALL REMOVAL REQUIRED WITH SYSTEMS THAT MUST REMAIN IN SERVICE DURING CONSTRUCTION. WHERE SYSTEMS MUST REMAIN IN SERVICE DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE MEANS AND METHODS OF ISOLATING THE SYSTEMS TO BE REMOVED WITH THE SYSTEMS TO REMAIN IN SERVICE. MEANS AND METHODS SHALL INCLUDE TEMPORARY CAPS AND ISOLATION VALVES.

CODES / STANDARDS

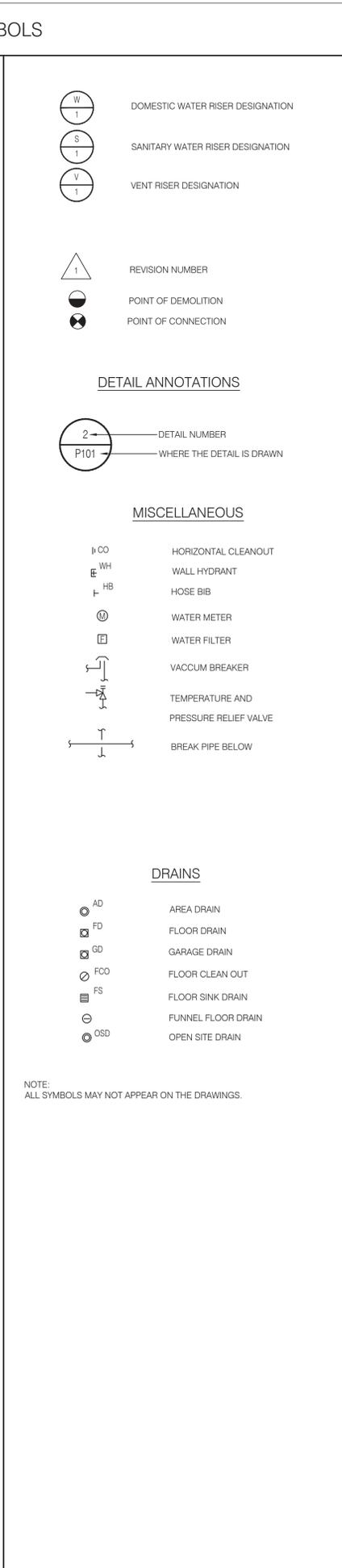
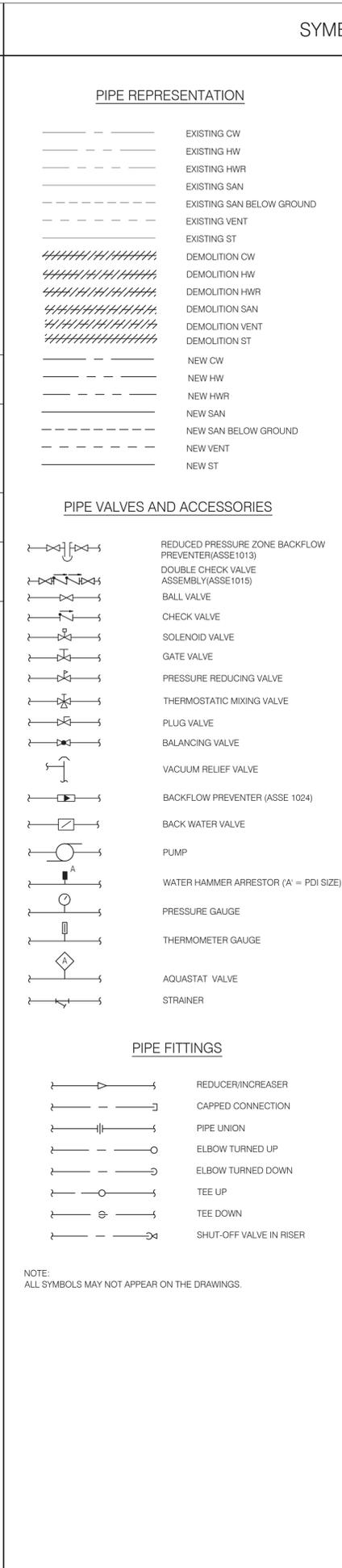
2020 NEW YORK STATE BUILDING CODE

2020 NEW YORK STATE PLUMBING CODE

2020 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE (NYSECC) WITH NEW YORK STRETCH ENERGY CODE

ENERGY CODE COMPLIANCE NOTE

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE (NYSECC) 105.2.2 REQUIREMENTS.



ABBREVIATIONS

ABV	ABOVE	(N)	NEW
AD	AREA DRAIN	NG	NATURAL GAS
ADA	AMERICAN DISABILITY ACT	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	NO.	NUMBER
AP	ACCESS PANEL	NFWH	NON FREEZE WALL HYDRANT
ARCH	ARCHITECTURAL	P	PUMP
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	PH	PHASE (ELECTRICAL)
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	PRV	PRESSURE REDUCING VALVE
ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERS	PSI	POUNDS PER SQUARE INCH
AAV	AIR ADMITTANCE VALVE	(R)	REMOVAL
BLDG	BUILDING	REF	REFRIGERATOR
BLW	BELOW	RD	ROOF DRAIN
BTU	BRITISH THERMAL UNIT	RPM	REVOLUTIONS PER MINUTE
BTUH	BRITISH THERMAL UNIT PER HOUR	SAN	SANITARY/WASTE PIPE
BV	BACKWATER VALVE	SF	SQUARE FEET
CA	COMPRESSED AIR	SFU	SUPPLY FIXTURE UNIT
CFM	CUBIC FEET PER MINUTE	SS	STAINLESS STEEL
CLG	CEILING	ST	STORM WATER
CO	CLEANOUTS	STG	STORM FROM GREEN ROOF
COOP	CLEANOUT DECK PLATE	STRUC	STRUCTURAL
CONT	CONTINUATION	TEMP	TEMPERATURE
COWP	CLEANOUT WALL PLATE	TMV	THERMOSTATIC MIXING VALVE
CW	COLD WATER	TP	TRAP PRIMER TUBE
(D)	DEMOLISH EXISTING	TW	TEMPERED WATER
DFU	DRAINAGE FIXTURE UNIT	TYP	TYPICAL
DIA	DIAMETER	UR	URINAL
DN	DOWN	VTR	VENT THRU ROOF
DWG	DRAWING	W	WATT
DWH	DOMESTIC WATER HEATER	WC	WATER CLOSET
DF	DRINKING FOUNTAIN	WCO	WALL CLEANOUTS
(E)	EXISTING	WH	WALL HYDRANT
EA	EACH	WHA	WATER HAMMER ARRESTOR
EQUIP	EQUIPMENT	WM	WATER METER
EST	EMERGENCY STORM WATER	WTR	WATER
ET	EXPANSION TANK	W/	WITH
ETR	EXISTING TO REMAIN	W/O	WITHOUT
F	WATER FILTER		
FD	FLOOR DRAIN		
FL	FLOOR		
FS	FLOW SWITCH		
FT	FEET		
GAL	GALLON		
GCO	GRADE CLEANOUTS		
GPM	GALLONS PER MINUTE		
HB	HOSE BIB		
HDPE	HIGH DENSITY POLYETHYLENE		
HP	HORSE POWER		
HW	HOT WATER SUPPLY		
HWR	HOT WATER RETURN		
HWSH	HOT WATER STORAGE/HEATER		
IN	INCH		
INV	INVERT		
KW	KILOWATT		
LAV	LAVATORY		
MAX	MAXIMUM		
MBH	THOUSAND BTU PER HOUR		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MIN	MINIMUM		
MS	MOP SINK		
MTD	MOUNTED		

NOTE: ALL ABBREVIATIONS MAY NOT APPEAR ON THE DRAWINGS.

PLUMBING DRAWING LIST

SHEET	DRAWING	TITLE
1	P-001.00	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
2	P-101.00	PHYSICAL EDUCATION - PLUMBING PLANS
3	P-102.00	CAMPUS CENTER NORTH-PLUMBING PLANS
4	P-103.00	CAMPUS CENTER SOUTH - PLUMBING PLANS
5	P-104.00	MAIN DINING HALL - PLUMBING PLANS
6	P-501.00	PHYSICAL EDUCATION - PLUMBING RISER DIAGRAMS
7	P-502.00	CAMPUS CENTER NORTH - PLUMBING RISER DIAGRAMS
8	P-503.00	CAMPUS CENTER SOUTH - PLUMBING RISER DIAGRAMS
9	P-504.00	MAIN DINING HALL - PLUMBING RISER DIAGRAMS
10	P-601.00	PLUMBING SCHEDULES AND DETAILS

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Purchase, NY 10577

PHASE 3:
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Ronnette Riley Architect

494 Eighth Avenue, 15th Floor
New York, NY 10001
T 212 594 4015
F 212 594 2868
www.ronnetteriley.com

MEP Engineer

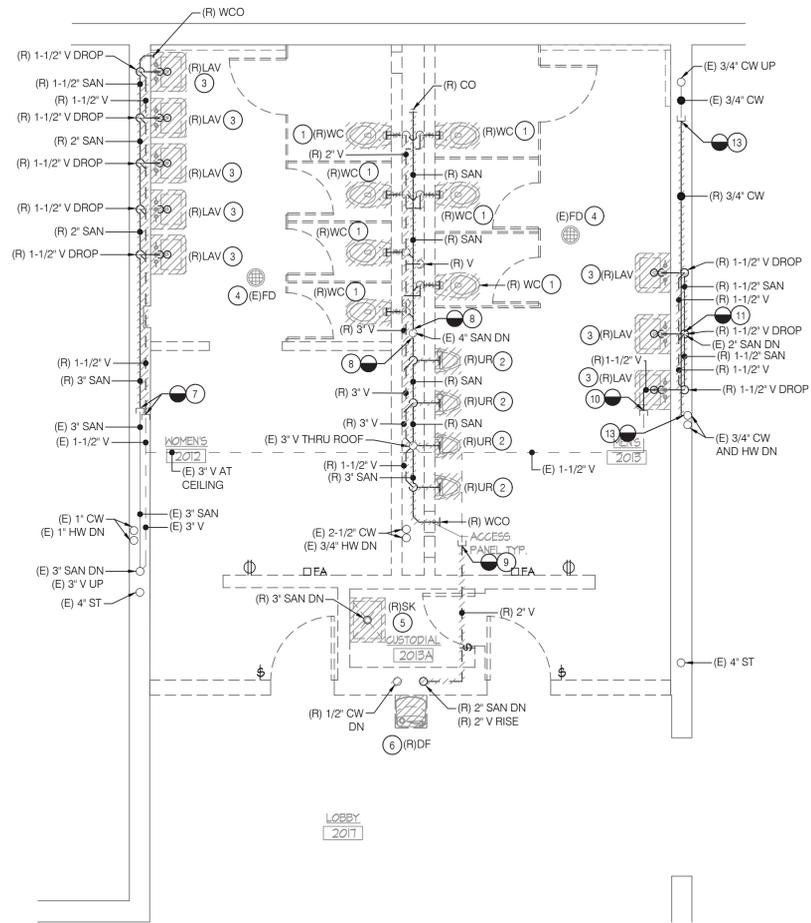
SETTY & Associates, Ltd
149 W 36th Street, 8th floor
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T 646 253 9000
F 646 224 8497

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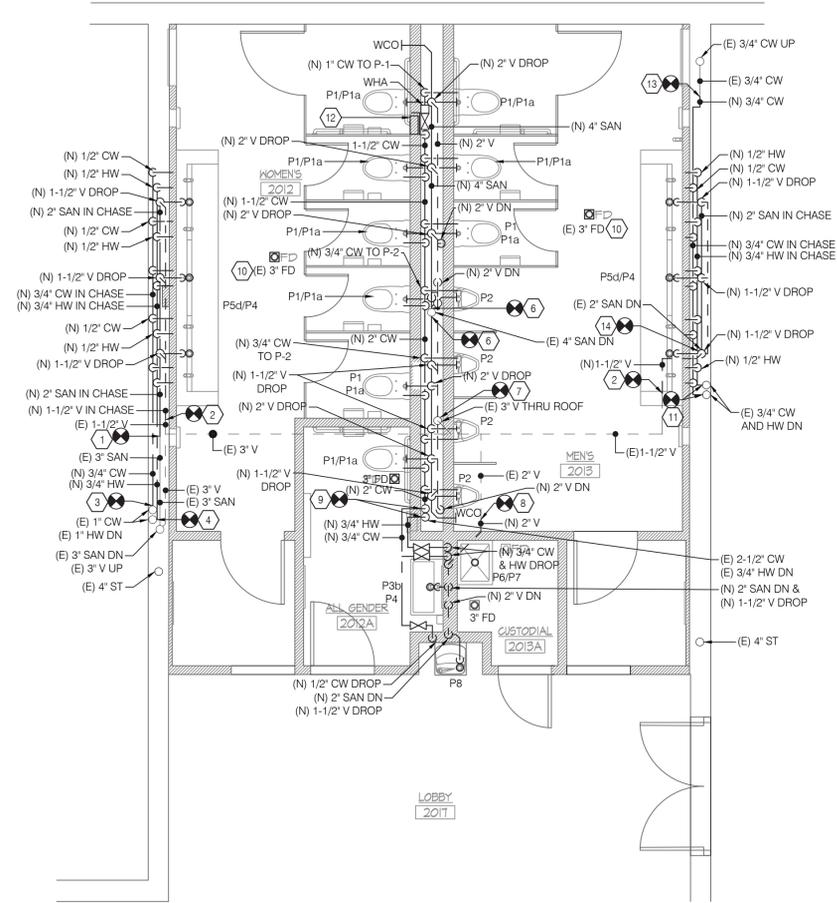
GENERAL NOTES, SYMBOLS & ABBREVIATIONS

Date	02-17-2023
Project No.	1944
Drawing By	CHS
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Scale	AS NOTED
DOB Rev	

P-001.00



1 SECOND FLOOR PLAN - PLUMBING REMOVAL
SCALE: 1/4" = 1'-0"



2 SECOND FLOOR PLAN - PLUMBING NEW WORK
SCALE: 1/4" = 1'-0"

- ### # DEMOLITION KEY NOTES
1. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
 2. REMOVE EXISTING URINAL, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
 3. REMOVE EXISTING LAVATORY, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.
 4. REMOVE EXISTING GRATE FROM EXISTING FLOOR DRAIN.
 5. REMOVE EXISTING SINK, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.
 6. REMOVE EXISTING DRINKING FOUNTAIN AND ALL ASSOCIATED PIPES.
 7. CUT AND CAP EXISTING 3" SAN AND 1-1/2" VENT PIPE AT THIS LOCATION.
 8. CUT AND CAP EXISTING 4" SAN PIPE AT THIS LOCATION.
 9. CUT AND CAP EXISTING 2" VENT PIPE AT THIS LOCATION.
 10. CUT AND CAP EXISTING 1-1/2" VENT PIPE AT THIS LOCATION.
 11. CUT AND CAP EXISTING 2" SAN PIPE AT THIS LOCATION.
 12. CUT AND CAP EXISTING 3/4" CW PIPE AT THIS LOCATION.

- ### # NEW WORK KEY NOTES
1. CONNECT NEW 2" SAN TO EXISTING 3" SAN PIPE.
 2. CONNECT NEW 1-1/2" V TO EXISTING 1-1/2" V PIPE.
 3. CONNECT NEW 3/4" CW TO EXISTING 1" HW PIPE.
 4. CONNECT NEW 3/4" HW TO EXISTING 1" HW PIPE.
 5. CONNECT NEW 3" SAN TO EXISTING 4" SAN PIPE.
 6. CONNECT NEW 4" SAN TO EXISTING 4" SAN PIPE.
 7. CONNECT NEW 2" V TO EXISTING 2" V PIPE.
 8. CONNECT NEW 3/4" CW AND 3/4" HW TO EXISTING 2-1/2" CW AND 3/4" HW PIPES.
 9. PROVIDE NEW GRATE FOR EXISTING FLOOR DRAIN.
 10. CONNECT NEW 3/4" CW AND HW TO EXISTING 3/4" CW AND HW PIPES.
 11. ACCESS PANEL TO ACCESS BALL VALVE AND WATER HAMMER ARRESTOR.
 12. CONNECT NEW 3/4" CW TO EXISTING 3/4" CW PIPE.
 13. CONNECT NEW 2" SAN TO EXISTING 2" SAN.

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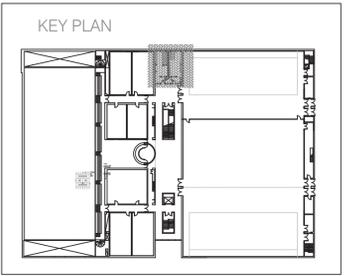
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PHASE 3: CAMPUS CENTER NORTH BUILDING CAMPUS CENTER SOUTH BUILDING PHYSICAL EDUCATION BUILDING MAIN DINING HALL

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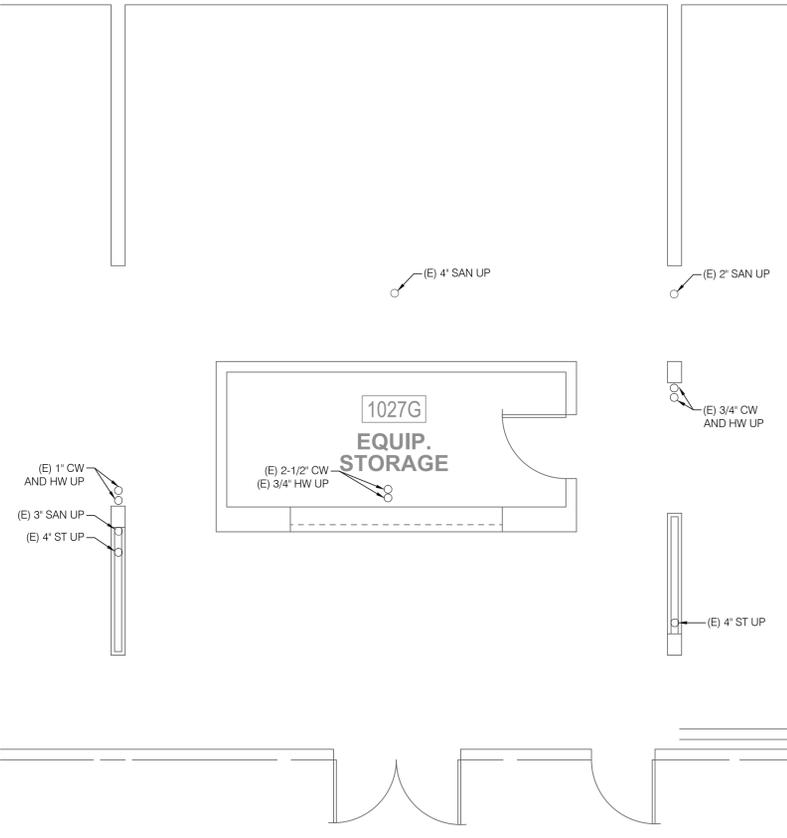
Ronnette Riley Architect
494 Eighth Avenue, 15th Floor
New York, NY 10001
T 212 594 4015
F 212 594 2868
www.ronnetteriley.com
MEP Engineer
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142 W 36th Street, 8th floor
New York, NY 10018
T 646 253 9000
F 646 224 8497

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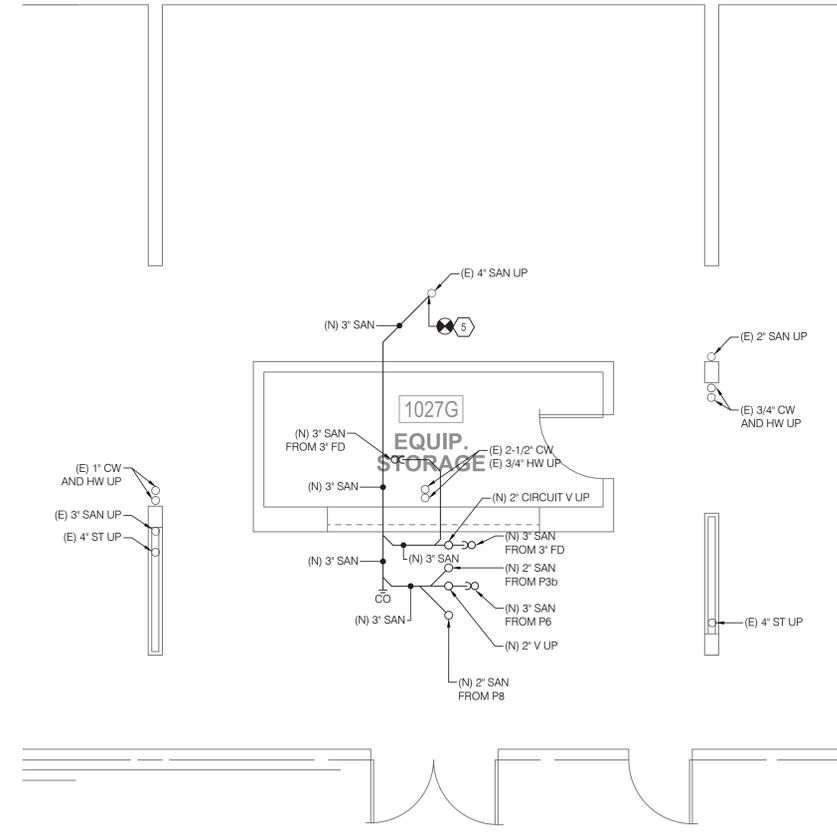


PHYSICAL EDUCATION - PLUMBING PLANS

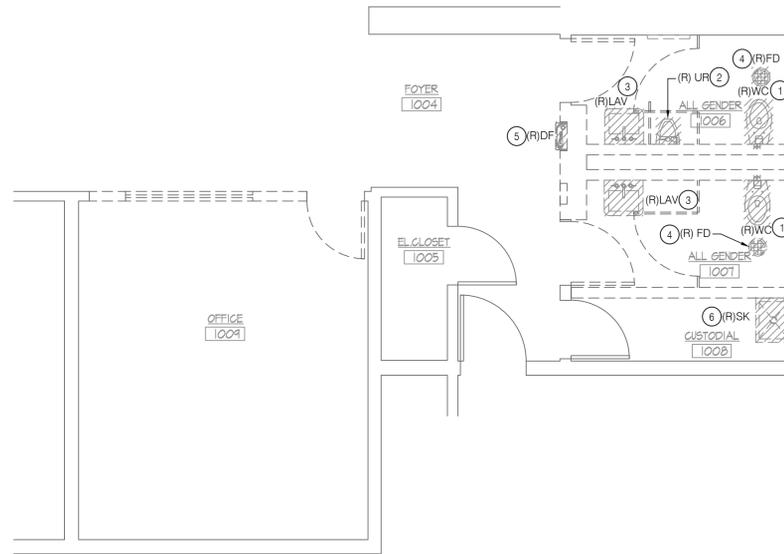
Title	Date
PHYSICAL EDUCATION - PLUMBING PLANS	02-17-2023
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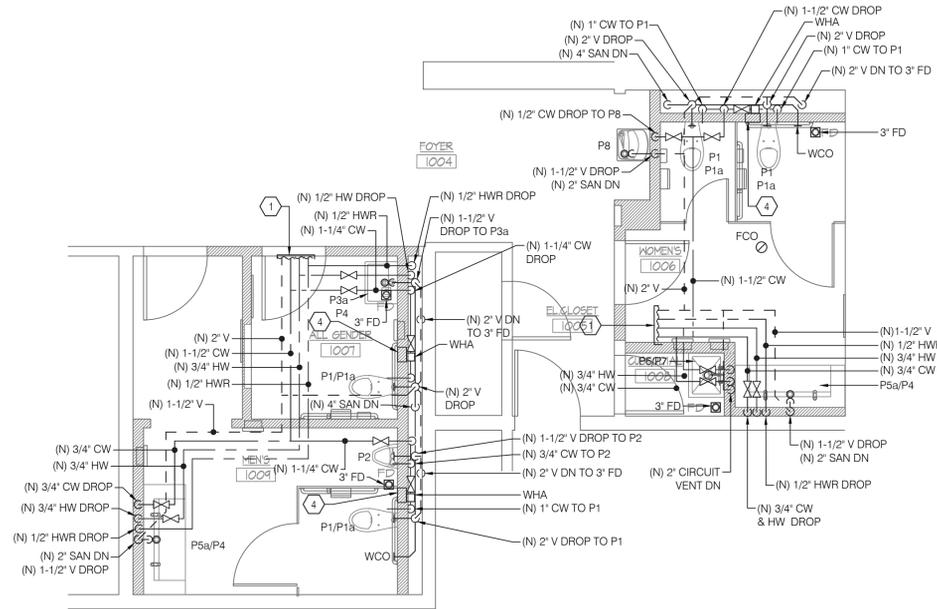
3 FIRST FLOOR PLAN - PLUMBING REMOVAL
SCALE: 1/4" = 1'-0"



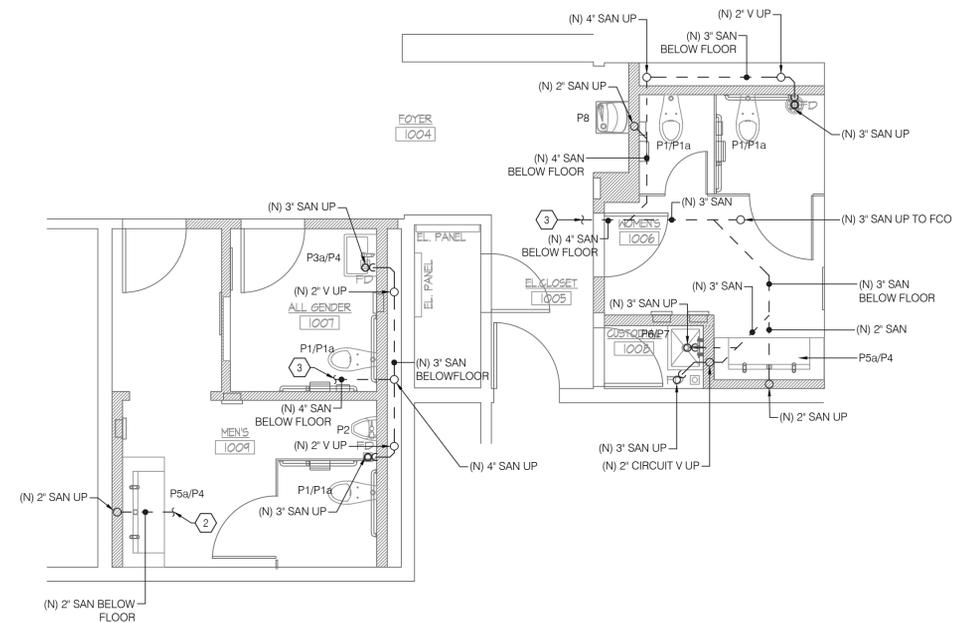
4 FIRST FLOOR PLAN - PLUMBING NEW WORK
SCALE: 1/4" = 1'-0"



1 FIRST FLOOR PLAN - PLUMBING REMOVALS
 P-105.00 SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PLAN - PLUMBING NEW WORK
 P-102.00 SCALE: 1/4" = 1'-0"



3 FIRST FLOOR PLAN - PLUMBING NEW WORK (BELOW FLOOR PLAN)
 P-102.00 SCALE: 1/4" = 1'-0"

DEMOLITION KEY NOTES

1. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
2. REMOVE EXISTING URINAL, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
3. REMOVE EXISTING LAVATORY, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.
4. REMOVE EXISTING FLOOR DRAIN AND ALL ASSOCIATED PIPES.
5. REMOVE EXISTING DRINKING FOUNTAIN AND ALL ASSOCIATED PIPES.
6. REMOVE EXISTING SINK, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.

NEW WORK KEY NOTES

1. CONNECT NEW 2" VENT, 1-1/2" CW 3/4" HW AND 1/2" HWR PIPES TO NEAREST EXISTING RESPECTIVE PIPES AT CEILING.
2. CONNECT NEW 2" SANITARY PIPE TO NEAREST EXISTING SANITARY PIPE AT FLOOR BELOW.
3. CONNECT NEW 4" SANITARY PIPE TO NEAREST EXISTING SANITARY PIPE AT FLOOR BELOW.
4. ACCESS PANEL TO ACCESS BALL VALVE AND WATER HAMMER ARRESTOR.

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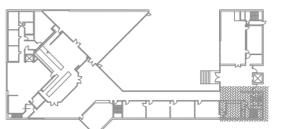
494 Eighth Avenue, 15th Floor
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 T 212 594 4015
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 149 W 36th Street, 8th floor
 New York, NY 10018
 T 646 253 9000
 F 646 224 8497

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KEY PLAN

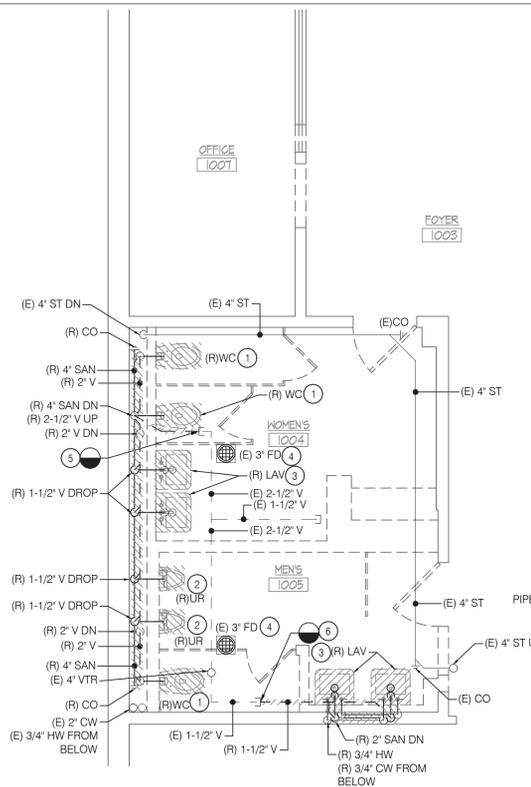


CAMPUS CENTER
 NORTH-PLUMBING PLANS

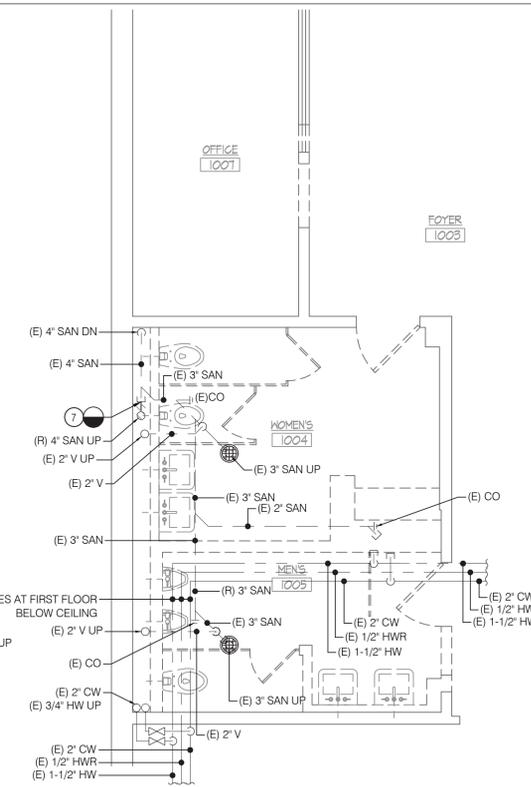
Date	02-17-2023
Project No.	1944
Drawing By	CHS
CHK By	EB
Scale	AS NOTED

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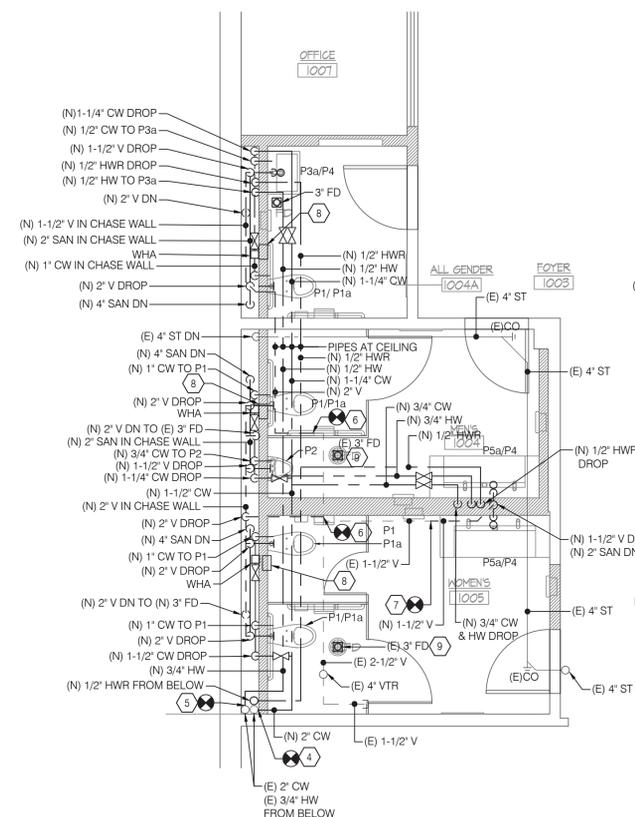




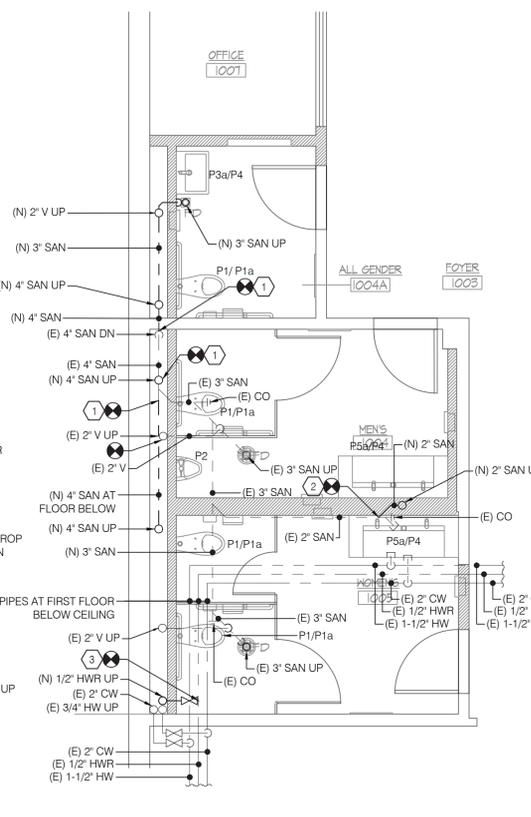
1 FIRST FLOOR PLAN - PLUMBING REMOVALS
P-106.00 SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PLAN - PLUMBING REMOVALS (BELOW FLOOR)
P-106.00 SCALE: 1/4" = 1'-0"



3 FIRST FLOOR PLAN - PLUMBING NEW WORK
P-103.00 SCALE: 1/4" = 1'-0"



4 FIRST FLOOR PLAN - PLUMBING NEW WORK (BELOW FLOOR PIPING)
P-103.00 SCALE: 1/4" = 1'-0"

- ### # DEMOLITION KEY NOTES
- REMOVE EXISTING WATER CLOSET, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
 - REMOVE EXISTING URINAL, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
 - REMOVE EXISTING LAVATORY, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.
 - REMOVE EXISTING GRATE FROM EXISTING FLOOR DRAIN.
 - CUT AND CAP EXISTING 2-1/2" VENT PIPE AT THIS LOCATION.
 - CUT AND CAP EXISTING 1-1/2" VENT PIPE AT THIS LOCATION.
 - CUT AND CAP EXISTING 4" SAN PIPE AT THIS LOCATION.
 - CUT AND CAP EXISTING 3" SAN PIPE AT THIS LOCATION.

- ### # NEW WORK KEY NOTES
- CONNECT NEW 4" SAN TO EXISTING 4" SAN PIPE.
 - CONNECT NEW 2" SAN TO EXISTING 2" SAN PIPE.
 - CONNECT NEW 1/2" HWR TO EXISTING 1/2" HWR PIPE.
 - CONNECT NEW 2" CW TO EXISTING 2" CW PIPE.
 - CONNECT NEW 3/4" HW TO EXISTING 3/4" HW PIPE.
 - CONNECT NEW 2" V TO EXISTING 2-1/2" V PIPE.
 - CONNECT NEW 1-1/2" V TO EXISTING 1-1/2" V PIPE.
 - ACCESS PANEL TO ACCESS BALL VALVE AND WATER HAMMER ARRESTOR.
 - PROVIDE NEW GRATE FOR EXISTING FLOOR DRAIN.

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PHYSICAL EDUCATION BUILDING
MAIN DINING HALL

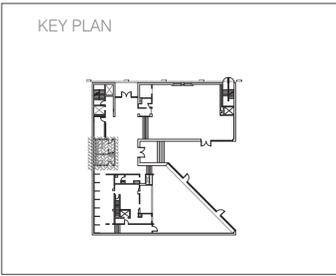
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Ronnette Riley Architect

494 Eighth Avenue, 15th Floor
New York, NY 10001
T 212 594 4015
F 212 594 2868
www.ronnetteriley.com

MEP Engineer
SETTY & Associates, Ltd
149 W 36th Street, 8th floor
New York, NY 10018
T 646 253 9000
F 646 224 8497

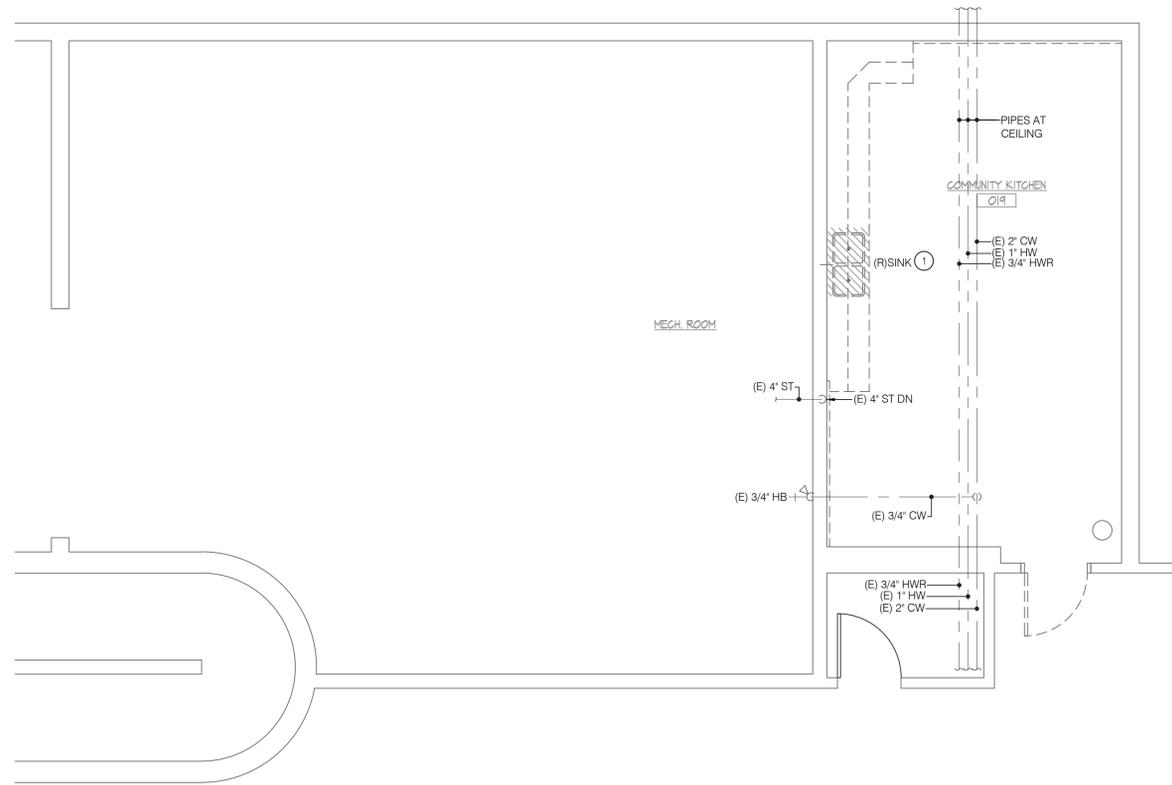
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	27 Feb 2023	Issue for Bid



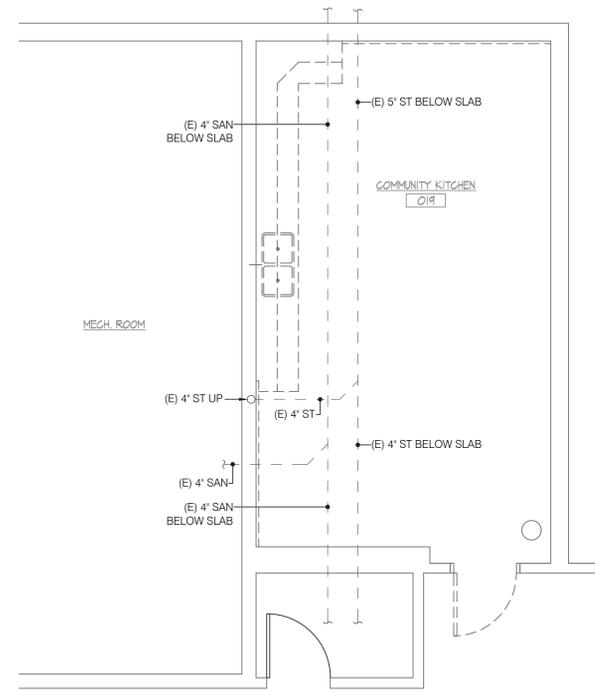
Title CAMPUS CENTER SOUTH - PLUMBING PLANS

Date	02-17-2023
Project No.	1944
Drawing By	CHS
CHK By	EB
Scale	AS NOTED
	DOB/REV
P-103.00	

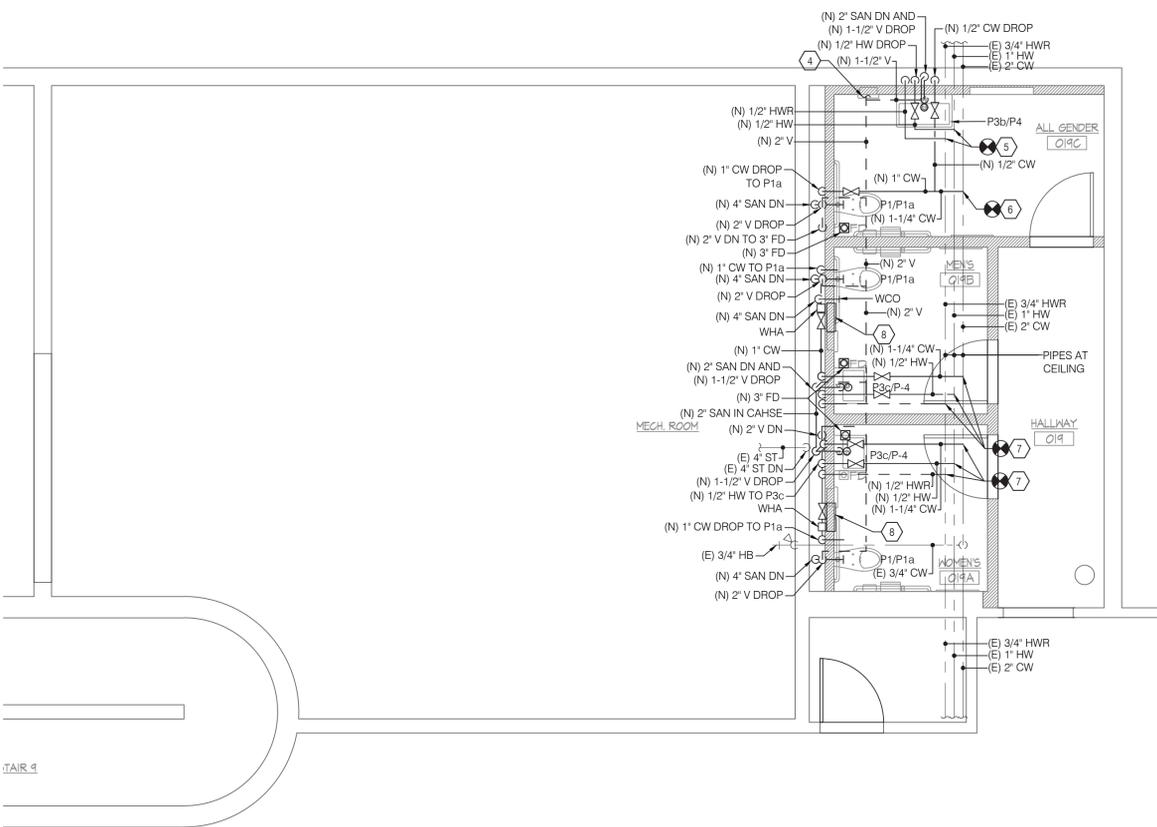




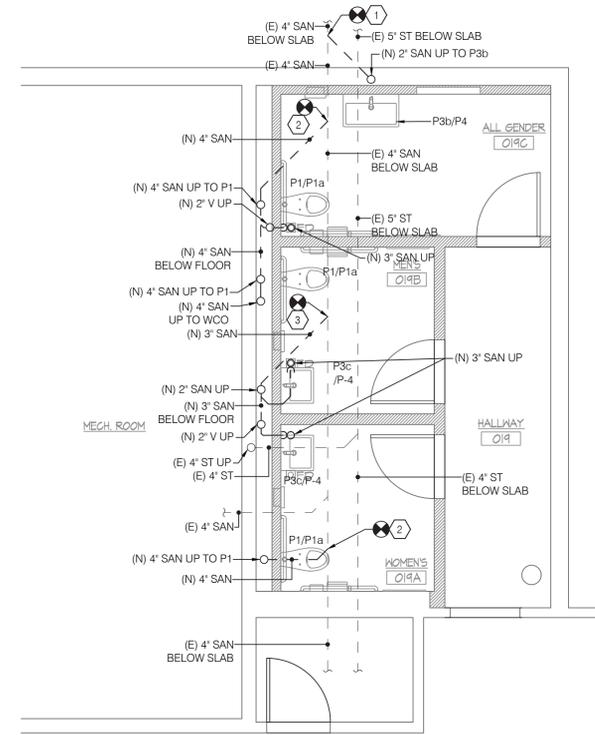
1 FIRST FLOOR PLAN - PLUMBING REMOVALS
P-104.00 SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PLAN - PLUMBING REMOVAL (BELOW FLOOR PIPING)
P-104.00 SCALE: 1/4" = 1'-0"



3 FIRST FLOOR PLAN - PLUMBING NEW WORK
P-104.00 SCALE: 1/4" = 1'-0"



4 FIRST FLOOR PLAN - PLUMBING NEW WORK (BELOW FLOOR PIPING)
P-104.00 SCALE: 1/4" = 1'-0"

- # DEMOLITION KEY NOTES
- REMOVE EXISTING SINK, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.

- # NEW WORK KEY NOTES
- CONNECT NEW 2" SANITARY PIPE TO EXISTING 4" SANITARY PIPE.
 - CONNECT NEW 4" SANITARY PIPE TO EXISTING 4" SANITARY PIPE.
 - CONNECT NEW 3" SANITARY PIPE TO EXISTING 4" SANITARY PIPE.
 - CONNECT NEW 2" VENT PIPE TO NEAREST EXISTING VENT PIPE AT CEILING.
 - CONNECT NEW 1/2" HW AND 1/2" HWR PIPES TO EXISTING 1" HW AND 3/4" HWR PIPES.
 - CONNECT NEW 1-1/4" CW PIPE TO EXISTING 2" CW PIPE.
 - CONNECT NEW 1-1/4" CW, 1/2" HW AND 1/2" HWR PIPES TO EXISTING 2" CW, 1" HW AND 3/4" HWR PIPES.
 - PROVIDE ACCESS PANEL TO ACCESS BALL WALL AND WATER HAMMER ARRESTOR.

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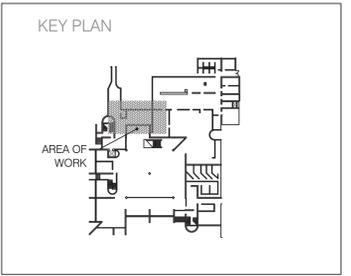
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Ronnette Riley Architect

494 Eighth Avenue, 15th Floor
New York, NY 10001
T 212 594 4015
F 212 594 2868
www.ronnetteriley.com

MEP Engineer
SETTY & Associates, Ltd
149 W 36th Street, 8th floor
New York, NY 10018
T 646 253 9000
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Title
**MAIN DINING HALL -
PLUMBING PLANS**

Date	02-17-2023
Project No.	1944
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SHEET KEY NOTES

- PROVIDE NEW GRATE FOR EXISTING FLOOR DRAIN.

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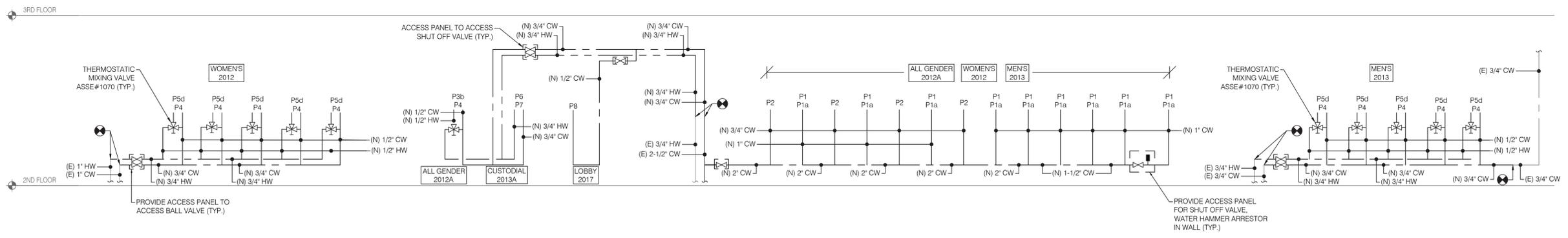
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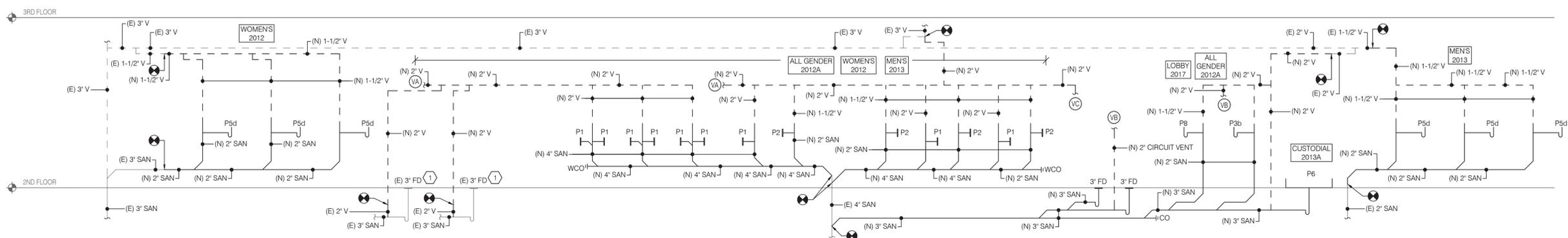
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New York, NY 10001
T 212 594 4015
F 212 594 2868
www.ronnetteriley.com

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1 PARTIAL WATER RISER DIAGRAM (PHYSICAL EDUCATION BUILDING)
SCALE: NOT TO SCALE

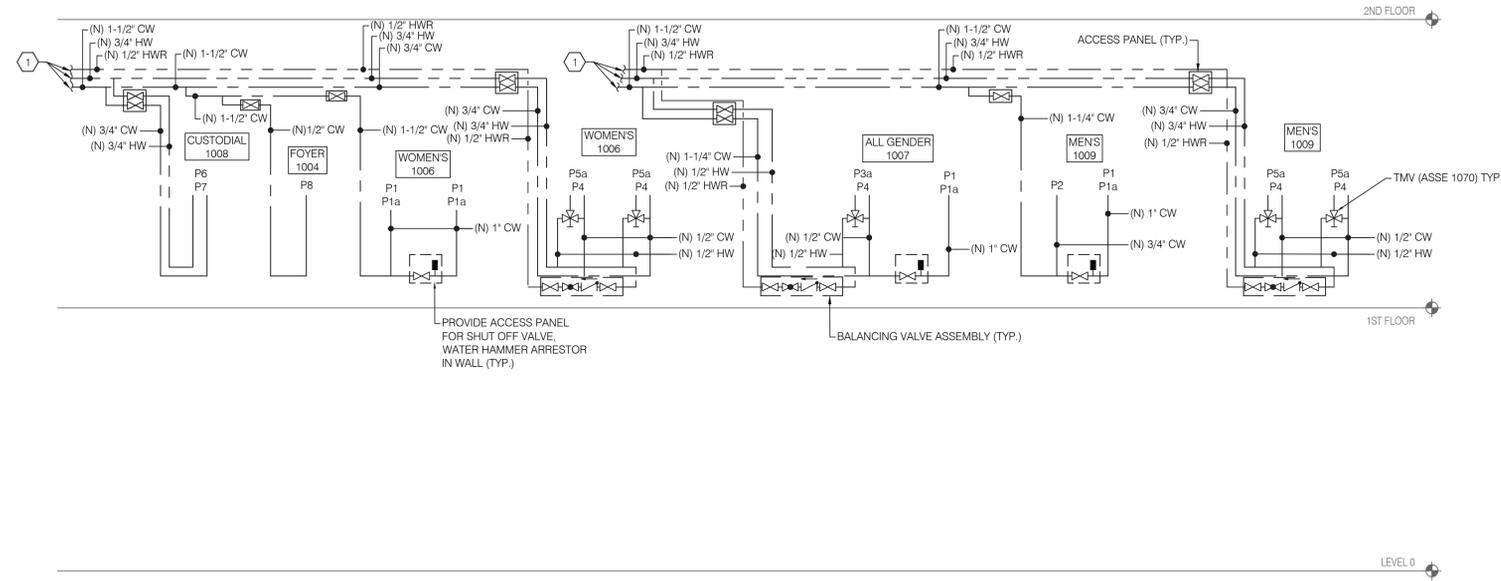


2 PARTIAL SANITARY RISER DIAGRAM (PHYSICAL EDUCATION BUILDING)
SCALE: NOT TO SCALE

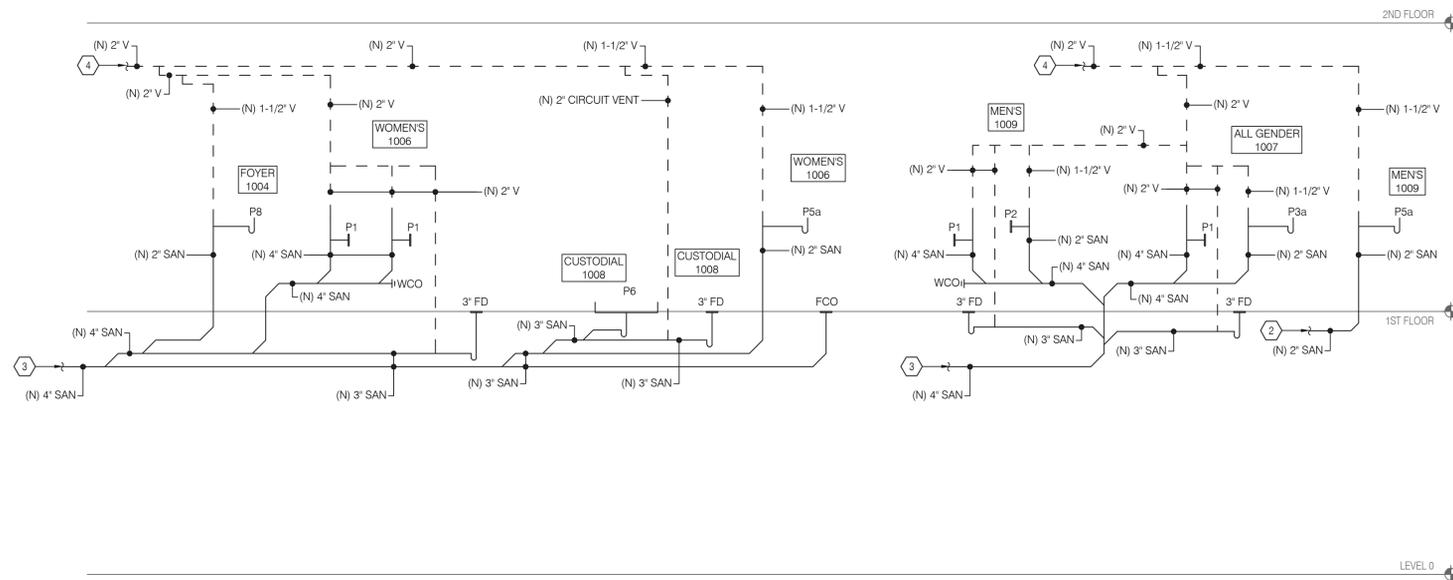
**PHYSICAL EDUCATION -
PLUMBING RISER
DIAGRAMS**

Date	02-17-2023
Project No.	1944
Drawing By	CHS
CHK By	EB
Scale	AS NOTED

P-501.00



1 PARTIAL WATER RISER DIAGRAM (CAMPUS CENTRE NORTH)
 P-505.00 SCALE: NOT TO SCALE



2 PARTIAL SANITARY RISER DIAGRAM (CAMPUS CENTRE NORTH)
 P-505.00 SCALE: NOT TO SCALE

- SHEET KEY NOTES**
- CONNECT NEW 1-1/2" CW, 3/4" HW AND 1/2" HWR PIPES TO NEAREST EXISTING RESPECTIVE PIPES AT CEILING.
 - CONNECT NEW 2" SANITARY PIPE TO NEAREST EXISTING SANITARY PIPE AT FLOOR BELOW.
 - CONNECT NEW 4" SANITARY PIPE TO NEAREST EXISTING SANITARY PIPE AT FLOOR BELOW.
 - CONNECT NEW 2" VENT PIPE TO NEAREST EXISTING RESPECTIVE PIPE AT CEILING.

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 MAIN DINING HALL

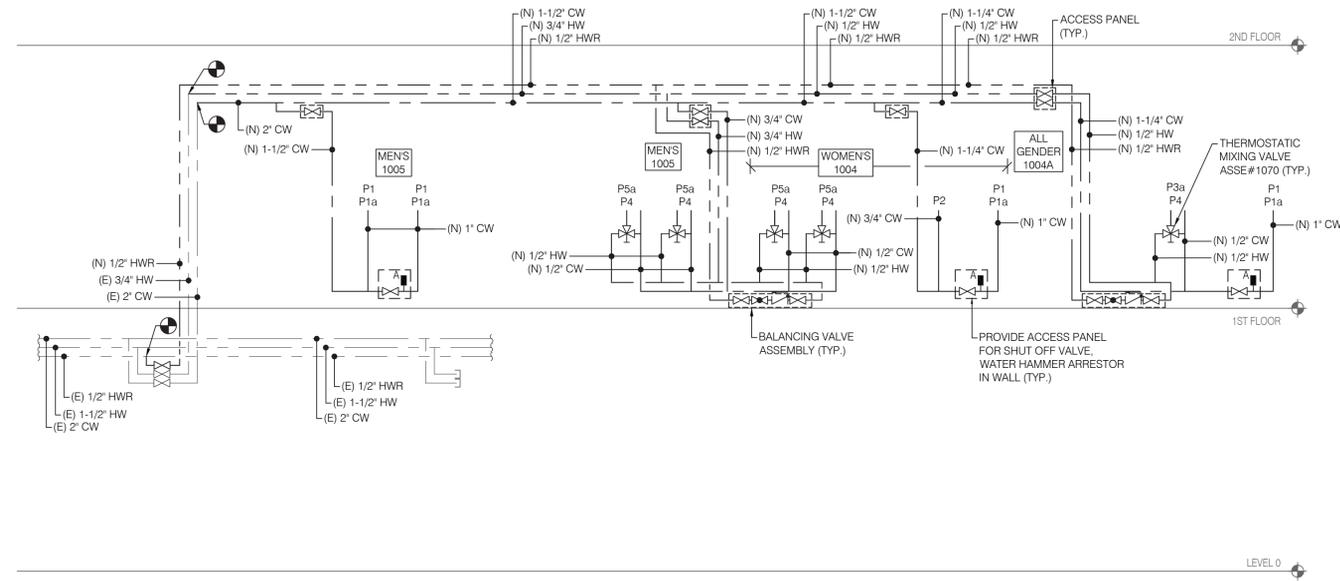
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Ronnette Riley Architect
 494 Eighth Avenue, 15th Floor
 New York, NY 10001
 T: 212 594 4015
 F: 212 594 2868
 www.ronnetteriley.com
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 New York, NY 10018
 T: 646 253 9000
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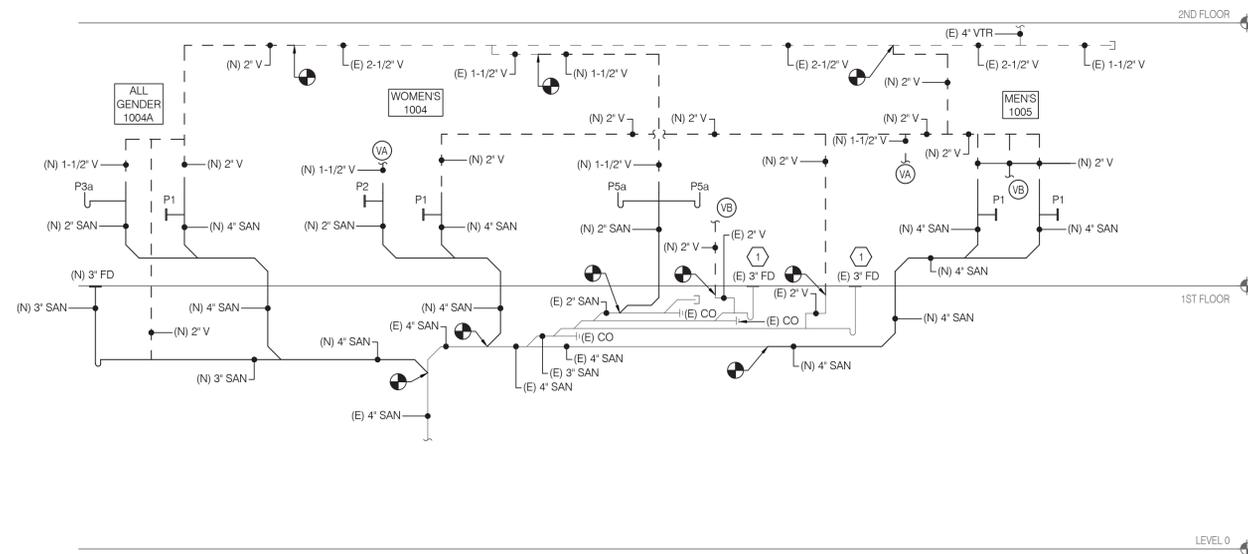
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**CAMPUS CENTER NORTH -
 PLUMBING RISER
 DIAGRAMS**

Date	02-17-2023
Project No.	1944
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CHK By	EB
Scale	AS NOTED
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P-502.00	



1 PARTIAL WATER RISER DIAGRAM (CAMPUS CENTRE SOUTH)
 SCALE: NOT TO SCALE



2 PARTIAL SANITARY RISER DIAGRAM (CAMPUS CENTRE SOUTH)
 SCALE: NOT TO SCALE

SHEET KEY NOTES

- PROVIDE NEW GRATE FOR EXISTING FLOOR DRAIN.

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New York, NY 10001
T 212 594 4015
F 212 594 2868
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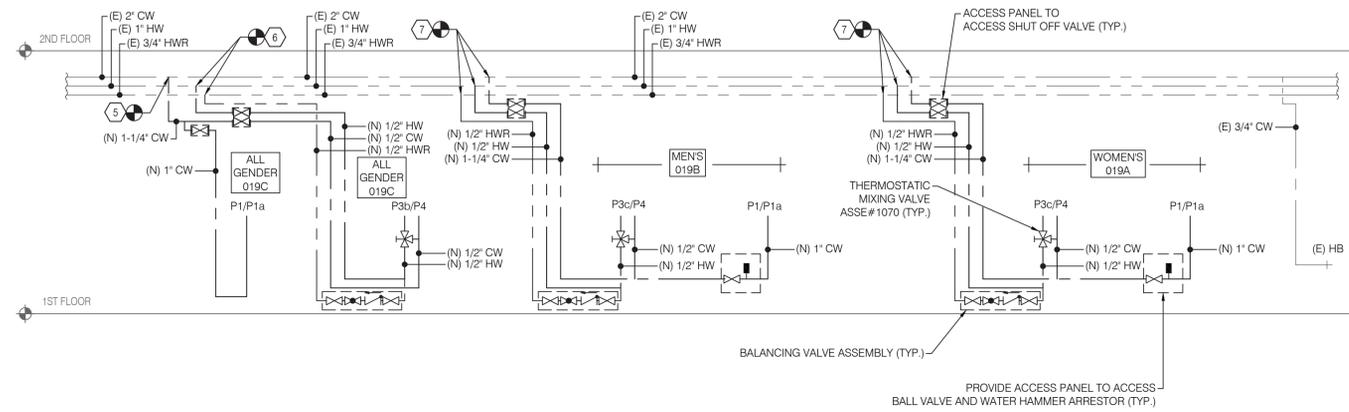
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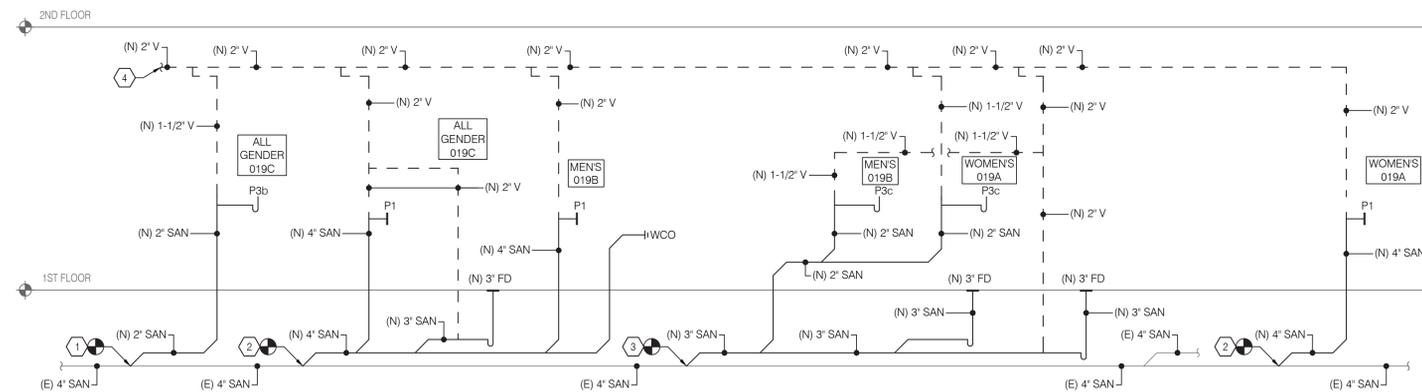
**CAMPUS CENTER SOUTH -
PLUMBING RISER
DIAGRAMS**

Date	02-17-2023
Project No.	1944
Drawing By	CHS
CHK By	EB
Scale	AS NOTED

P-503.00



1 PARTIAL WATER RISER DIAGRAM (MAIN DINING HALL)
P-507.00 SCALE: NOT TO SCALE



2 PARTIAL SANITARY RISER DIAGRAM (MAIN DINING HALL)
P-507.00 SCALE: NOT TO SCALE

- # SHEET KEY NOTES
- CONNECT NEW 2" SANITARY PIPE TO EXISTING 4" SANITARY PIPE.
 - CONNECT NEW 4" SANITARY PIPE TO EXISTING 4" SANITARY PIPE.
 - CONNECT NEW 3" SANITARY PIPE TO EXISTING 4" SANITARY PIPE.
 - CONNECT NEW 2" VENT PIPE TO NEAREST EXISTING VENT PIPE AT CEILING.
 - CONNECT NEW 1/2" HW AND 1/2" HWR PIPES TO EXISTING 1" HW AND 3/4" HWR PIPES.
 - CONNECT NEW 1-1/4" CW PIPE TO EXISTING 2" CW PIPE.
 - CONNECT NEW 1-1/4" CW, 1/2" HW AND 1/2" HWR PIPES TO EXISTING 2" CW, 1" HW AND 3/4" HWR PIPES.

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Ronnette Riley Architect

494 Eighth Avenue, 15th Floor
New York, NY 10001
T 212 594 4015
F 212 594 2868
www.ronnetteriley.com

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SETTY & Associates, Ltd
149 W 36th Street, 8th floor
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T 646 253 9000
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Title
**MAIN DINING HALL -
PLUMBING RISER
DIAGRAMS**

Date	02-17-2023
Project No.	1944
Drawing By	CHS
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Scale	AS NOTED
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P-504.00	

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	ADA	MANUFACTURER	MODEL	DESCRIPTION	MOUNTING	REMARKS	PLUMBING FIXTURE ROUGH-IN			
								CW	HW	WASTE	VENT
P1	WALL MOUNTED TOILET	YES	SLOAN	ST-2459	WHITE VITREOUS CHINA, ELONGATED BOWL, WALL MOUNTED, WALL OUTLET, SIPHON JET FLUSHING ACTION ACHIEVES 1000g MAP SCORE WHEN USED WITH ANY SLOAN FLUSHOMETER, 1 1/2" I.P.S. TOP SPUD INLET, STATIC LOAD RATING OF 750 LBS. WATER SPOT AREA 10 1/8" X 9 3/8" (26 CM X24 CM).	WALL MOUNT	1.28 GPF, FLUSHOMETER TOILET, FOR ADA SEAT HEIGHT SET AT 17" TO 19" FROM FINISHED FLOOR	-	-	4"	2"
P1a	SOLAR POWERED DUAL FLUSH	-	SLOAN	8111-1.6/1.1	EXPOSED, SOLAR POWERED, SENSOR ACTIVATED SLOAN SOLIS DUAL FLUSH MODEL WATER CLOSET FLUSHOMETER FOR WALL HUNG TOP SPUD BOWLS. FULL FLUSH (LARGE BUTTON) 1.6 GPF/6.0 LPF. REDUCED FLUSH (SMALL BUTTON) 1.1 GPF/4.2 LPF.	-	-	1"	-	-	-
P2	URINAL/FLUSH VALVE COMBO	YES	SLOAN	WESU-7000.1201	WHITE VITREOUS CHINA, WASHDOWN FLUSHING ACTION, INTEGRAL FLUSHING RIM, 3/4" I.P.S. TOP SPUD INLET, 2" NPT OUTLET FLANGE, VANDAL RESISTANT STRAINER ASSEMBLY INCLUDED, 100% FACTORY FLUSH TESTED, FLUSH VOLUME 0.125 GPF, SU-7009 URINAL AND SOLIS 8186 FLUSHOMETER COMBO.	WALL MOUNT	0.125 GPF EXPOSED SENSOR URINAL FLUSHOMETER	3/4"	-	2"	1-1/2"
P3a	WALL MOUNTED SINK	YES	DURAVIT	VERO	SINK DIMENSION 23 5/8" X 18 1/4" X 5 3/8", WHITE VITREOUS CHINA WITH OVER FLOW, ORDER NO 045460.27	WALL MOUNT	-	-	-	2"	1-1/2"
P3b	WALL MOUNTED SINK	YES	DURAVIT	VERO	SINK DIMENSION 31 1/2" X 18 1/4" X 5 3/8", WHITE VITREOUS CHINA WITH OVER FLOW, ORDER NO 045480.25	WALL MOUNT	-	-	-	2"	1-1/2"
P4	WALL MOUNTED SINK FAUCET	-	SLOAN	OPTIMA SOLIS EAF-275-ISM	SOLAR POWERED, SENSOR ACTIVATED, ELECTRONIC, CHROME PLATED CONSTRUCTED METAL, HAND WASHING FAUCET, MAGNETIC SOLENOID VALVE, AUTOMATIC SELF ADAPTING SENSOR TECHNOLOGY, 6 VDC LITHIUM BATTERY BACK-UP POWER.	-	0.5 GPM FLOW RATE, PROVIDE ASSE #1070 THERMOSTATIC MIXING VALVE	1/2"	1/2"	-	-
P5b	VANITY SINK	YES	SOPHSTONE	SOPH-ST70	SINK DIMENSION 70" X 23 5/8" X 4-3/4" ADA COMPLIANT, SOPHSTONE COMPOSITE STONE WITH HONED FINISH, METICULOUSLY HAND CRAFTED, SMOOTH, EASY TO CLEAN SURFACE WITH STAIN RESISTANT QUALITIES, ECO- SENSITIVE WITH HIGH RECYCLED MATERIAL CONTEN	WALL MOUNT	FOR SOPHSTONE VANITY COLORS REFER TO ARCHITECTURAL DRAWINGS	-	-	2"	1-1/2"
P5c	VANITY SINK	YES	SOPHSTONE	SOPH-ST94	SINK DIMENSION 94" X 23 5/8" X 4-3/4" ADA COMPLIANT, SOPHSTONE COMPOSITE STONE WITH HONED FINISH, METICULOUSLY HAND CRAFTED, SMOOTH, EASY TO CLEAN SURFACE WITH STAIN RESISTANT QUALITIES, ECO- SENSITIVE WITH HIGH RECYCLED MATERIAL CONTEN	WALL MOUNT	FOR SOPHSTONE VANITY COLORS REFER TO ARCHITECTURAL DRAWINGS	-	-	2"	1-1/2"
P5d	VANITY SINK	YES	SOPHSTONE	SOPH-ST144	SINK DIMENSION 114" X 23 5/8" X 4-3/4" ADA COMPLIANT, SOPHSTONE COMPOSITE STONE WITH HONED FINISH, METICULOUSLY HAND CRAFTED, SMOOTH, EASY TO CLEAN SURFACE WITH STAIN RESISTANT QUALITIES, ECO- SENSITIVE WITH HIGH RECYCLED MATERIAL CONTEN	WALL MOUNT	FOR SOPHSTONE VANITY COLORS REFER TO ARCHITECTURAL DRAWINGS	-	-	2"	1-1/2"
P6	MOP SINK	-	ADVANCE TABCO	9-OP-20	16 GAUGE TYPE 304 SERIES STAINLESS STEEL SINK BOWL WITH FLOOR MOUNTED, SINK DIMENSION 21" X 25" X 10". FREE FLOW DRAIN.	FLOOR MOUNT	-	-	-	3"	2"
P7	MOP SINK WALL MOUNTED FAUCET	-	ADVANCE TABCO	K-240	BRASS CHROME PLATED BODY AND SPOUT, CHROME PLATED HANDLES, 8" O.C WATER SUPPLY, QUARTER TURN WEDGE STYLE HANDLES WITH COLORED HOT AND COLD INDEXES, VACUUM BREAKER, BUILT-IN STOPS	-	-	3/4"	3/4"	-	-
P8	DRINKING FOUNTAIN	YES	ELKAY	LZS8W5LP	ELKAY ENHANCED EZH20 BOTTLE FILLING STATION & SINGLE ADA COOLER, FILTERED 8 GPH FINISH WITH LIGHT GREY GRANITE, 115V/60HZ, FULL LOAD 5 AMPS WITH CHILLING CAPACITY OF 8.0 GPH (GALLONS PER HOUR) OF 50° F DRINKING WATER, HANDS FREE, AUTOMATIC FILTER STATUS RESET, ENERGY SAVINGS, GREEN TICKER, LAMINAR FLOW, ANTIMICROBIAL, REAL DRAIN	WALL MOUNT	-	1/2"	-	2"	1-1/2"
3' FD	FLOOR DRAIN	-	PROSET	T35630-F-P	THE TRAP GUARD DEVICE IS AN INTEGRAL PART OF THE PROSET FLOOR DRAIN AND COMES AS A COMPLETE UNIT. THE DRAIN COMES WITH A PROTECTIVE PLASTIC STRAINER COVER AND A HEAVY PLUG UNDERNEATH THE STRAINER TOP.	FLOOR MOUNT	-	-	-	3"	2"

NOTE: *REFER TO ARCHITECTURAL PLANS FOR EXACT FIXTURE LOCATIONS, QUANTITIES AND ADA REQUIREMENTS. *PLUMBING FIXTURE SCHEDULE INDICATING THE SPECIFIED PRODUCT ARE BASIS OF DESIGN.

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Ronnette Riley Architect

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New York, NY 10001
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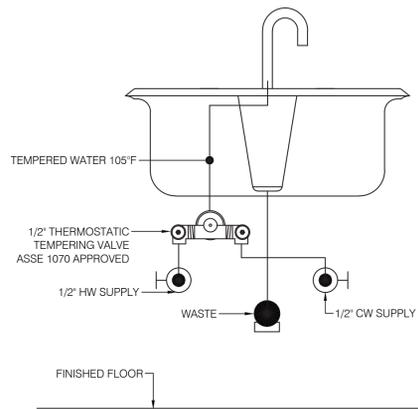
Rev Date Issue
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Title
PLUMBING SCHEDULES AND
DETAILS

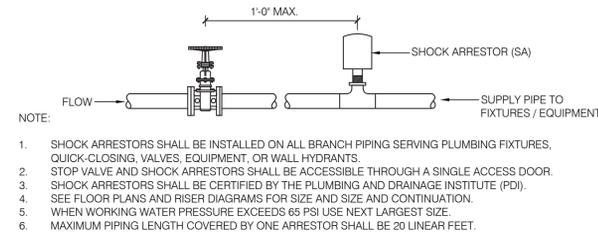
Date 02-17-2023
Project No. 1944
Drawing By CHS
CHK By EB
Scale AS NOTED

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DOB Rev

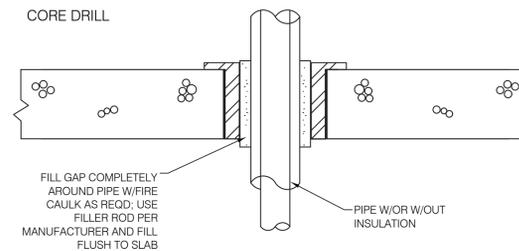


4 POINT OF USE MIXING VALVE DETAIL
SCALE: NOT TO SCALE



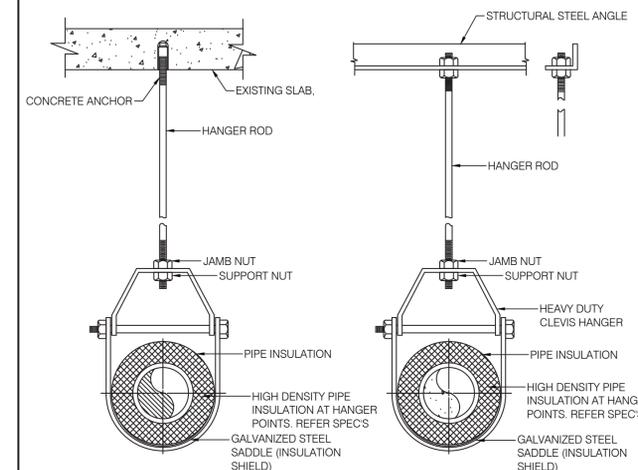
SIZE OF PIPE	FIXTURE UNITS	HAMMER ARRESTOR SIZE (PDI REFERENCE)
1/2"	1-11	A
3/4"	12-32	B
1"	33-60	C
1 1/4"	61-113	D
1 1/2"	114-154	E
2"	155-330	F

3 SHOCK ARRESTOR DETAIL
SCALE: NOT TO SCALE

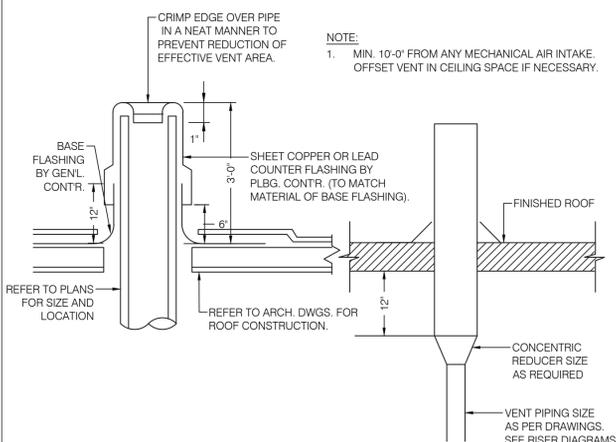


NOTE: ALL PIPING SLEEVES WILL BE SCHEDULE 40 STEEL PIPE

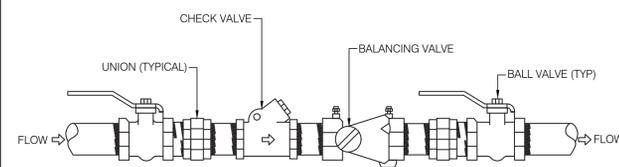
2 PIPE PENETRATION THROUGH CONCRETE
SCALE: NOT TO SCALE



1 PIPE SUPPORT DETAIL
SCALE: NOT TO SCALE

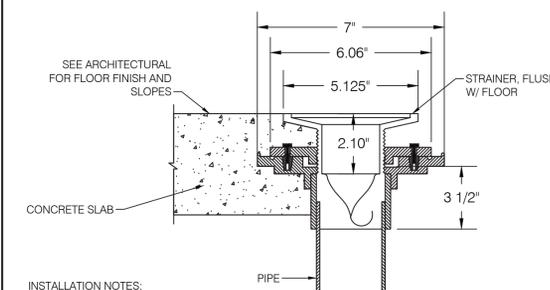


8 PLUMBING VENT THROUGH ROOF DETAIL
SCALE: NOT TO SCALE



NOTES:
1. ALL THREADED PIPING BETWEEN UNIONS SHALL BE BRASS.
2. INSTALL DIE-ELECTRIC UNIONS FOR PIPING CONNECTIONS OF DISSIMILAR METALS.
3. CONTRACTOR SHALL BALANCE THE HWR SYSTEM TO ACHIEVE SUFFICIENT FLOW THROUGH THE SYSTEM TO MAINTAIN DESIRED TEMPERATURE OF 120° F AT REMOTE FIXTURE.

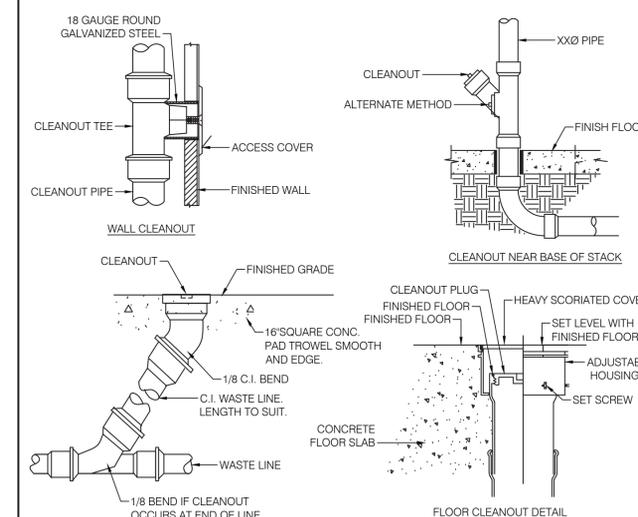
7 DOMESTIC HOT WATER RETURN BALANCING ASSEMBLY
SCALE: NOT TO SCALE



INSTALLATION NOTES:
1. THE TRAP GUARD DEVICE IS AN INTEGRAL PART OF THE PRESET FLOOR DRAIN AND COMES AS A COMPLETE UNIT.
2. THE INSTALLATION IS IDENTICAL TO ANY TYPICAL FLOOR DRAIN ASSEMBLY CONNECTING TO PLASTIC OR C.L. PIPE.
3. THE DRAIN COMES WITH A PROTECTIVE PLASTIC STRAINER COVER AND A HEAVY PLUG UNDERNEATH THE STRAINER TOP.
4. AFTER THE CONCRETE POUR, THE PLASTIC STRAINER COVER SHOULD BE REMOVED. A FACTORY INSTALLED ELASTOMERIC PLUG PROTECTS THE TRAP GUARD DEVICE DURING CONSTRUCTION AND CAN BE USED AS A TEST PLUG AND MUST BE REMOVED BEFORE NORMAL DRAIN USAGE. IF THE TRAP GUARD DEVICE SHOULD GET DAMAGED OR IMPAIRED IN ANY WAY, THE DEVICE CAN BE EASILY REMOVED. A PULLER TOOL ATTACHES TO THE TWO BUILT-IN LUGS INSIDE OF THE TRAP GUARD FOR EASY REMOVAL & REPLACEMENT. NOT TO BE USED ON WAXED OR GREASE-LANDEN FLOORS.

NOTE: CARE SHOULD BE TAKEN NOT TO TOUCH THE FLEXIBLE MATERIAL WITH PRIMER OR SOLVENT CEMENT.

6 TRAP GUARD FLOOR DRAIN DETAIL
SCALE: NOT TO SCALE



5 CLEANOUT DETAILS
SCALE: NOT TO SCALE