

**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 SUCF 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.

**PLUMING REMOVAL NOTES**

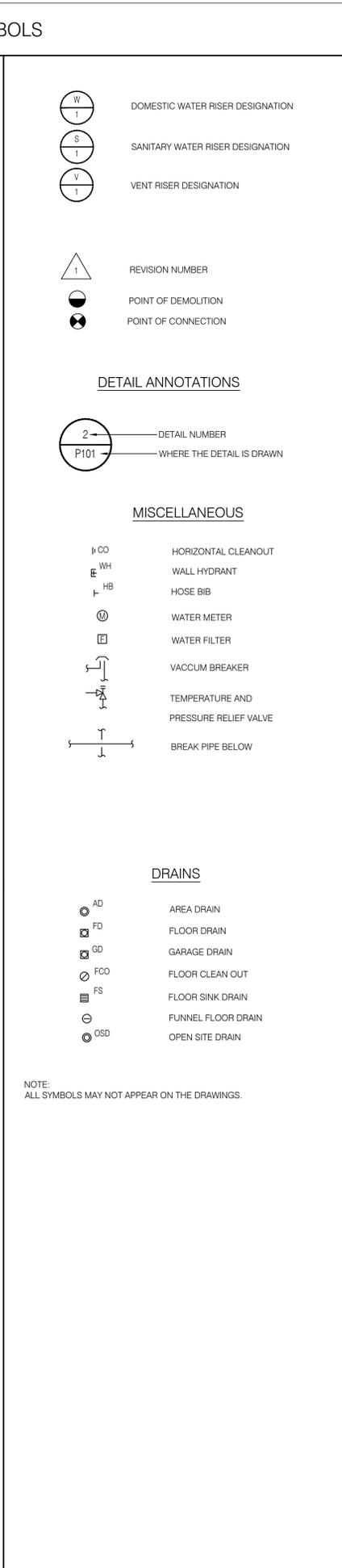
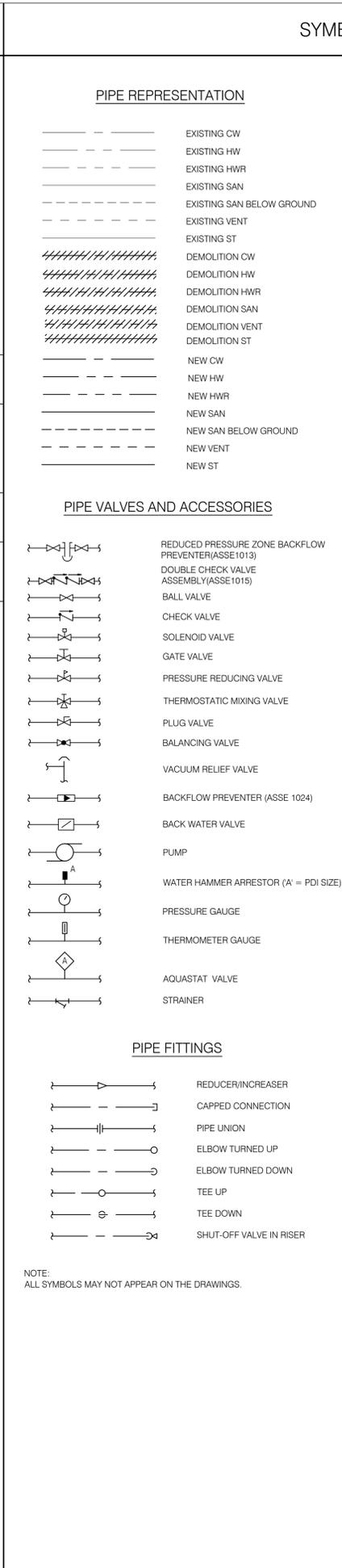
- WHERE EXISTING PLUMBING FIXTURES ARE INDICATED TO BE REMOVED, REMOVE EXISTING FIXTURE, TRIM, AND ALL ASSOCIATED PIPING AND HARDWARE. REMOVE SERVICE BRANCHES BACK TO NEAREST MAIN AND CAP. DEAD LEGS SHALL NOT EXCEED 2'-0" IN LENGTH.
- REMOVAL SHALL BE PERFORMED IN SUCH A MANNER THAT WILL NOT DAMAGE ADJOINING 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
AF	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
COIT	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		
HDPPE	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	MUSICAL BUILDING - PLUMBING PLANS
3	P-102.00	DANCE BUILDING - PLUMBING PLANS
4	P-103.00	PHYSICAL EDUCATION - PLUMBING PLANS
5	P-104.00	LIBRARY BUILDING - PLUMBING PLANS
6	P-501.00	MUSICAL BUILDING - PLUMBING RISER DIAGRAMS
7	P-502.00	DANCE BUILDING - PLUMBING RISER DIAGRAMS
8	P-503.00	PHYSICAL EDUCATION - PLUMBING RISER DIAGRAMS
9	P-504.00	LIBRARY BUILDING - PLUMBING RISER DIAGRAMS
10	P-601.00	PLUMBING SCHEDULES AND DETAILS

**RESTROOM RENOVATION**  
**PURCHASE COLLEGE**  
 STATE UNIVERSITY OF NEW YORK

735 Anderson Hill Rd.  
 Purchase, NY 10577

**PHASE 2:**  
 MUSIC BUILDING  
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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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**GENERAL NOTES, SYMBOLS & ABBREVIATIONS**

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