NOTES:

- FURNISH ALL NECESSARY LABOR, MATERIAL, EQUIPMENT, AND SUPERVISION REQUIRED FOR THE PROPER COMPLETION OF THE PLUMBING AND RELATED WORK, INCLUDING CONFORMANCE WITH THE FOLLOWING CODES,
- REGULATIONS AND STANDARDS FOR HEALTH CARE FACILITIES: INSULATION AND ADHESIVE USED ON THIS PROJECT SHALL HAVE A FLAME SPREAD CLASSIFICATION OF NO MORE
- THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50. ALL DOMESTIC PIPING SHALL BE INSULATED INCLUDING PIPING IN WALLS.
- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT THE BUILDING SITE BEFORE INSTALLATION OF HIS WORK. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL EQUIPMENT AND FIXTURES.
- RAINWATER CONDUCTORS. DRAINAGE PIPING CLEANOUTS SHALL BE LOCATED IN UNFINISHED ROOMS, STORAGE ROOMS, CLOSETS, AND JANITORS CLOSETS WHERE POSSIBLE. EXTEND FLOOR CLEANOUTS FROM MAIN DRAIN TO THESE ROOMS. CLEAN OUT LOCATIONS IN FINISHED ROOMS ARE TO BE SUBMITTED TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.

PROVIDE ACCESSIBLE CLEANOUTS AT THE BASE OF ALL SANITARY STACKS AND AT THE BASE OF ALL VERTICAL

- ALL CLEAN-OUTS SHALL MATCH THE FLOOR TYPE WHERE INSTALLED. CONNECT ALL VENT STACKS TO BASE OF SOIL STACKS.
- PLUMBING CONTRACTOR SHALL VERIFY LOCATION AND INVERT ELEVATION OF EXISTING DRAINAGE PIPING BEFORE PROCEEDING WITH NEW DRAINAGE PIPING INSTALLATION.
- ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH ANY WORK.
- INSTALLING CONTRACTOR TO PROVIDE 1/8" SCALE SHOP DRAWINGS. COORDINATE ALL PIPING LOCATIONS IN ACCORDANCE WITH ARCHITECTURAL PLANS.
- PRIOR TO THE START OF WORK, CONTRACTOR SHALL SUBMIT TO ENGINEER THE FOLLOWING FOR REVIEW: A) LOCATIONS AND CONCEPTUAL DETAILS OF SUPPORTS, INCLUDING METHODS OF ATTACHMENT TO STRUCTURAL COMPONENTS.
- B) MAGNITUDES AND DIRECTIONS OF LOADS ANTICIPATED, STRUCTURAL ATTACHMENT POINTS UNDER ALL
- OPERATING CONDITIONS OF PIPING SYSTEM. C) ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE CODES LISTED ON ARCHITECTURAL COVER SHEET.
- ALL EXCAVATION SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE REGULATIONS OF [OSHA] THE OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION. PIPING TO BE INSTALLED IN ACCESSIBLE AREAS. IN CASES WHERE THE PIPING WILL BE EXTENDED THROUGH A
- SUPPORTING WALL, PERMANENT CEILING OR FLOOR, SLEEVES MUST BE INSTALLED. PLUMBING PIPING SHALL NOT BE RUN THROUGH ELECTRICAL ROOMS, TELECOMMUNICATION ROOMS, OR
- ELEVATOR MACHINE ROOMS. EXCEPT FOR BRANCH PIPING SERVING EQUIPMENT IN THESE ROOMS.
- UNLESS NOTED OTHERWISE ALL DRAINAGE PIPING SHALL HAVE A 0.01 SLOPE EXCEPT PIPING 3" AND SMALLER WHICH SHALL HAVE A 0.02 SLOPE.
- ALL UNDERGROUND WASTE PIPING SHALL BE 2" MINIMUM.
- ALL FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP PRIMER CONNECTION. PROVIDE A 1/2" COPPER LINE EXTENDED FROM TRAP PRIMER AS SPECIFIED TO THE PRIMER CONNECTION.
- ALL PIPING SYSTEMS SHALL HAVE VALVES AT POINTS SHOWN ON THE DRAWINGS AND/OR AS REQUIRED FOR ISOLATION OF EQUIPMENT AND FIXTURES.
- SHUT-OFF VALVES CAPABLE OF 100 PERCENT DEAD SHUT-OFF SHALL BE PROVIDED ON EACH BRANCH LINE FROM THE MAIN AND BE INSTALLED FOR ALL EQUIPMENT AND PLUMBING FIXTURES TO PERMIT ISOLATION FOR MAINTENANCE AND REPAIR
- PROVIDE ISOLATION VALVES AT ALL CONNECTIONS TO RISERS, BRANCH PIPING AND TO ISOLATE INDIVIDUAL FIXTURES.
- INSTALL VALVES WITH NEAT APPEARANCE AND ACCESSIBILITY.
- CONNECTIONS SHALL BE MADE TO INSURE UNRESTRICTED CIRCULATION WITH NO AIR POCKETS OF TRAPPED
- DISCHARGE LINES FROM ALL RELIEF VALVES SHALL BE PIPED TO WITHIN FOUR INCHES (4") OF FLOOR DRAINS. SAFETY VALVES SHALL BE PIPED TO ATMOSPHERE IN ACCORDANCE WITH GOVERNING CODES, INCLUDING ALL SAFETY MEASURES RELATED TO PROPER OPERATION.
- BACK FLOW PREVENTORS TO BE INSTALLED AS REQUIRED PER CODE OR AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- ALL DOMESTIC HOT WATER RETURN BRANCH CONNECTIONS SHALL BE EQUIPPED WITH A BALL VALVE, CHECK VALVE, AND BALANCING VALVE.
- ALL PIPING SHALL BE SUPPORTED AT 4'-0" ON CENTER BOTH HORIZONTALLY AND VERTICALLY. OWNER SHALL SUPPLY ALL PLUMBING FIXTURES AND ASSOCIATED TRIM. INSTALLING CONTRACTOR SHALL SUPPLY
- ALL CARRIERS, CONNECTIONS, VALVES, PIPING ETC FOR EQUIPMENT FUNCTION.
- PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS BETWEEN DISSIMILAR MATERIALS.
- PROVIDE SHOP DRAWINGS PRIOR TO START OF WORK. PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS PRIOR TO
- START OF PLUMBING SYSTEM INSTALLATION. ALL DRAIN GRATES, CLEANOUT COVERS, AND OTHER FINISH-EXPOSED COMPONENTS SHALL BE PROTECTED FROM
- DAMAGE. DAMAGED COMPONENTS SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO CONTRACT. SCHEDULE ALL SHUTDOWNS THAT AFFECT UTILITIES AND PORTIONS OF THE BUILDING THAT MUST REMAIN IN
- OPERATION WITH THE OWNER. DEMOLITION WORK AT ALL TIMES SHALL BE SUBJECT TO THE DIRECTION AND APPROVAL OF THE OWNER AND BE CARRIED OUT IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE NORMAL OPERATION OF THE BUILDING.
- DISPOSE OF ALL REMOVED MATERIAL IN APPROVED MANNER.
- ISOLATE, DRAIN, AND REFILL EXISTING SYSTEMS AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW
- PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN
- 41. EQUIPMENT AND MATERIALS DESIRED BY THE OWNER SHALL BE STORED AT THE SITE BY THE CONTRACTOR AT A LOCATION DIRECTED BY THE OWNER. EQUIPMENT AND MATERIALS NOT DESIRED BY THE OWNER SHALL BE
- REMOVED FROM THE SITE BY THE CONTRACTOR IMMEDIATELY. REMOVE AND/OR RELOCATE EXISTING EQUIPMENT AS SPECIFIED OR SHOWN ON THE DRAWINGS IN A NEAT AND WORKMANLIKE MANNER. HANGERS, FOUNDATIONS AND/OR STRUCTURAL SUPPORTS FOR SAID EQUIPMENT AND
- MATERIALS SHALL BE REMOVED. 43. NO EXISTING EQUIPMENT OR MATERIAL SHALL BE REUSED WITHOUT SPECIFIC APPROVAL OF THE OWNERS
- REPRESENTATIVE. ALL EQUIPMENT AND MATERIAL TO BE REMOVED THAT IS DESIRED BY THE OWNER SHALL BE RIGGED TO AN
- ONSITE STORAGE LOCATIONS AS DIRECTED BY THE OWNER. ALL WATER HAMMER ARRESTORS SHALL BE LOCATED IN AN ACCESSIBLE LOCATION AS REQUIRED BY CODE.
- PROVIDE ACCESS PANELS AS NEEDED. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PHILADELPHIA PLUMBING CODE AND ALL
- OTHER APPLICABLE CODES.
- CAP ALL UNUSED PIPING BEHIND FINISHED SURFACES AS REQUIRED TO ACCOMMODATE NEW WORK. STERILIZE THE WATER DISTRIBUTION SYSTEM BY THE METHOD APPROVED BY THE AUTHORITY HAVING
- TEST THE SANITARY PIPING THROUGHOUT UPON COMPLETION OF ROUGH-IN TESTING SHALL BE IN COMPLIANCE
- WITH THE CITY OF PHILADELPHIA PLUMBING CODE LATEST EDITION. TEST THE DOMESTIC HOT & COLD WATER PIPING WITH A HYDROSTATIC PRESSURE. TESTING SHALL BE IN
- COMPLIANCE WITH PHILADELPHIA PLUMBING CODE LATEST EDITION. ALL PIPING TO BE LABELED EVERY 15' MAX OR AT ALL CHANGES OF DIRECTION AND WHERE PIPING PASSES
- THROUGH A WALL. CONTRACTOR TO PROVIDE A VALVE TAG CHART.
- 52. ALL DOMESTIC WATER VALVES TO BE LEAD FREE.

INSERT AS MFG. BY F & S MANUFACTURING CORP. OR APPROVED EQUAL FIG. N. 80A-3/8" TO 3/4" ROD FIG. N. 80B-7/8" DIA. ROD
WITH INCOMPRESSIBLE INSULATING

HOT WATER HEATER

	PROVED EQUAL F IG. N. 80B-7/8" DIA		WITHOU	IT INCOMPRESSIBI BLOCK AT HANG			
WITH IN	ICOMPRESSIBLE I		PIPE SIZE IN	SHIELD LENGTH IN	SHIELD THICKNESS USSG	PIPE SIZE IN	PIPE RO
PIPE SIZE			UP TO 3	12	18	1/2 - 2	3/8
IN	IN	USSG	4	15	16	2 1/2 - 3	1/2
UP TO 3	6	18	5	18	16	4 - 5	5/8
4 TO 6	8	16	6	21	16	6	3/4
& LARGER	12	16	8 & LARGER	24	14	8 - 12	7/8

PLUMBING SYMBOL LIST AND FIRE PROTECTION ABBREVIATIONS ARE A GENERAL LIST OF SYMBOLS AND ABBREVIATIONS. ALL MAY NOT APPEAR AS PART OF PROJECT DOCUMENTS

LUMI	BING ABBREVIATIONS	PI	LUMBING SYMBOLS
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	◁	REDUCER
CLG	CEILING	—	UNION
DN	DOWN	(E)	EXISTING
UNO	UNLESS NOTED OTHERWISE	0	PIPE UP
VIF	VERIFY IN FIELD	c	PIPE DOWN
(RE)	RELOCATE EXISTING	- ⋈-	GATE VALVE
AFF	ABOVE FINISHED FLOOR	-><\-	GLOBE VALVE
(E)	EXISTING TO REMAIN	-₹\-	CHECK VALVE
MFG	MANUFACTURER	-	BALL VALVE
GPM	GALLONS PER MINUTE	<u> </u>	WATER HAMMER ARRESTER
ENT	ENTERING	\rightarrow	DIRECTION OF FLOW
LVG	LEAVING	→	REDUCTION IN DIRECTION OF FLOW
NO.	NUMBER	\	MIXING VALVE
V-PH-HZ	VOLTAGE-PHASE-HERTZ	<u> </u>	METER
HP	HORSEPOWER		SANITARY PIPING
#	NUMBER		VENT PIPING
HD FT	DYNAMIC HEAD IN FEET OF WATER	_ · _ · _	DOMESTIC COLD WATER
PD	PRESSURE DROP IN INCHES OF WATER		DOMESTIC HOT WATER
PD FT	PRESSURE DROP IN FEET OF WATER	140°	DOMESTIC HOT WATER @140°F
°F	DEGREES FAHRENHEIT		DOMESTIC HOT WATER RETURN
W/	WITH	—FW—	FILTERED WATER
@	AT	—тw—	TEMPERED WATER
FLR	FLOOR	——FP —	FIRE PROTECTION PIPING
TYP	TYPICAL	— st —	STORM SYSTEM PIPING
RD	ROOF DRAIN	— G —	GAS PIPING
INT	INTERNAL TRAP	— c —	CONDENSATE DRAIN PIPING
EWT	ENTERING WATER TEMPERATURE	—	COMPRESSED GAS PIPING
LWT	LEAVING WATER TEMPERATURE	②	CONNECT TO EXISTING VERIFY LOCATION IN FI
XXX	REFER TO EQUIPMENT VENDOR	C.O. C.O.	CLEAN OUT
R	RISER IDENTIFICATION	\$ #	STACK IDENTIFICATION

GENERAL NOTES-REFER TO ARCHITECTURAL PLANS

AND FLOOR RATINGS.

PIPE SUPPORT SCHEDULE - STEEL PIPING SIZE (INCHES) MAXIMUM SPACING (FEET)

1" THRU 1-1/4'

1 CONTRACTOR TO VERIFY ALL ELEVATIONS AND MILLWORK WITH

3 CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR WALL

ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK.

ELEVATIONS, MOUNTING HEIGHTS & SPECIFICATIONS.

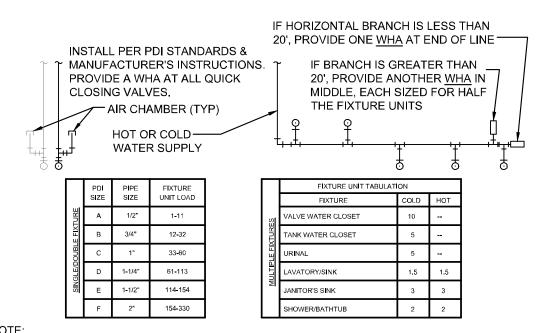
2 CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR

ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH: BUILDING SUBCODE 2015 INTERNATIONAL EXISTING BUILDING CODE MECHANICAL SUBCODE 2015 INTERNATIONAL MECHANICAL CODE PLUMBING SUBCODE 2015 INTERNATIONAL PLUMBING CODE ELECTRICAL SUBCODE 2015 NATIONAL ELECTRICAL CODE (NFPA 70) ENERGY SUBCODE 2015 INTERNATIONAL ENERGY CONSERVATION CODE FUEL GAS SUBCODE 2015 INTERNATIONAL FUEL GAS CODE BARRIER FREE SUBCODE (CHAPTER 11 OF IBC/2012) ICC/ANSI A117.1-2009 FIRE PROTECTION SUBCODE 2015 INTERNATIONAL FIRE CODE, ONLY ADOPTED SECTIONS

Unit	Fixture	WSFU	DFU					
P-1	Water Closet	Tank Type/ Floor Mounted	1/2"	_	2"	4"		
P-2	Lavatory	Drop in or Under Mount	1/2"	1/2"	1-1/2"	1-1/2"	4	6
P-2A	Lavatory	Wall Mount	1/2"	1/2"	1-1/2"	1-1/2"	,	J
P-3	Tub/Shower	Left or Right Drain	1/2"	1/2"	1-1/2"	1-1/2"		
P-3A	Shower	Left or Right Drain	1/2"	1/2"	1-1/2"	1-1/2"		
P-4	Kitchen Sink	Stainless Steel, Undermount	1/2"	1/2"	1-1/2"	1-1/2"	3	2
P-5	Dish Washer Connection	Per DW manufacturer		1/2"				
P-6	Washing Machine Box	1/4 Turn	1/2"	1/2"	1-1/2"	2"	2	2

MATERIAL:

- 1. ABOVE GROUND VENT AND DRAINAGE PIPING SHALL BE SOLID WALL PVC, PVC SOCKET FITTINGS, AND SOLVENT CEMENTED JOINTS. MECHANICAL JOINT ARE PROHIBITED. PVC PIPING SHALL BE SUPPORTED AT A MAX. 4'-0" IN HORIZONTAL SPACING AND A MAX. 10'-0" IN VERTICAL SPACING.
- 2. UNDER GROUND VENT AND DRAINAGE PIPING SHALL BE SERVICE WEIGHT HUB AND SPIGOT CAST IRON CONFORMING TO ASTM A74, WITH LEAD AND OAKUM CAULKED JOINTS PER THE PHILADELPHIA PLUMBING CODE. MECHANICAL JOINT ARE PROHIBITED FOR UNDERGROUND APPLICATION.
- 3. METALLIC TO PLASTIC PIPE MUST BE MADE AFTER THE FIRE RATED ASSEMBLY, JOINT BETWEEN PLASTIC AND CAST-IRON HUB PIPE SHALL BE MADE BY A CAULKED JOINT OR A MECHANICAL COMPRESSION JOINT, JOINT BETWEEN PLASTIC PIPE AND CAST-IRON HUBLESS PIPE SHALL BE MADE BY MECHANICAL JOINT OF COMPRESSION OR MECHANICAL SEALING TYPE.
- 4. PEX PIPING AS ALLOWED PER LOCAL PLUMBING CODE AND AUTHORITY HAVING JURISDICTION. PEX PIPE SHALL BE SUPPORTED AT A MAX. 32" IN HORIZONTAL SPACING AND A MAX. 10'-0" IN VERTICAL SPACING. A GUIDE SHALL BE INSTALLED MIDWAY BETWEEN VERITCAL SUPPORTS TO PREVENT PIPE MOVEMENT IN A DIRECTION PERPENDICULAR TO THE AXIAL OF THE PIPE.
- 5. PIPING OUTSIDE OF THE INDIVIDUAL DWELL UNITS SHALL BE ASTM B88 TYPE "L" COPPER TUBE WITH WROUGHT OR CAST COPPER FITTING AND LEAD FREE SOLDERED JOINTS. SOLDER JOINTS SHALL BE MADE IN ACCORDANCE WITH THE METHOD OF ASTM B828, COPPER PIPING SHALL BE SUPPORTED AT A MAX. 12'-0" IN HORIZONTAL SPACING AND A MAX. 10'-0" IN VERTICAL SPACING.
- 6. JOINT BETWEEN PLASTIC PIPE AND COPPER SHALL BE MADE BY A MECHANICAL JOINT OF COMPRESSION OR MECHANICAL SEALING TYPE PER LOCAL PLUMBING CODE AND AUTHORITY HAVING JURISDICTION.

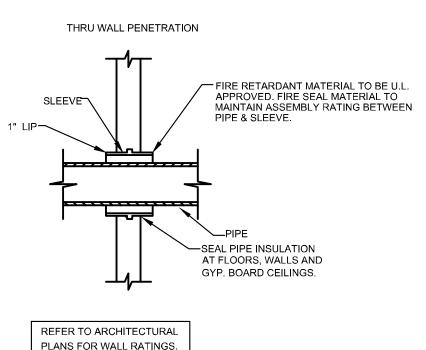


FOR BATTERIES OF FIXTURES, PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON & O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 & ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE. PROVIDE ACCESSIBILITY WHERE REQUIRED BY LOCAL CODE.



THRU FLOOR PENETRATION SEAL PIPE INSULATION AT FLOORS, WALLS AND FIRE RETARDANT MATERIAL TO BE U.L. APPROVED. FIRE SEAL MATERIAL TO MAINTAIN ASSEMBLY RATING BETWEEN PIPE & SLEEVE.

	U.L. NU	JMBER REQ'D	
MATERIAL	GYPSUM WALL	CMU WALL	FLOOR
STEEL PIPE STEEL PIPE W/INSULATION COPPER PIPE COPPER PIPE W/INSULATION	428 444 442 445	594 444 442 335	272 443 429 335



TYPICAL PIPE SLEEVE P0.1 / SCALE: NTS

MAY HAVE BEEN SUBJECTED. 5. HANDLING FROM STORAGE TO WORK SITE 6. THEIR FIELD ASSEMBLY AND INTERNAL CONNECTION AS MAY BE NECESSARY

NOTES TO BIDDERS:

CONSTRUCTION OF ANY AREA.

CONTRACTOR'S FAILURE TO VISIT JOB SITE.

MAJOR EQUIPMENT OWNER FURNISHED (OFCI)

1. THE COORDINATION OF THEIR DELIVERY.

PLACEMENT IN THE PROJECT.

ON THE PROPERTY LINE AT GRADE LEVEL.

- FOR THEIR OPERATION.
- 7. THEIR MOUNTING IN PLACE INCLUDING THE PURCHASE AND INSTALLATION OF ALL DUNNAGE SUPPORTING MEMBERS AND FASTENINGS NECESSARY TO ADAPT THEM TO ARCHITECTURAL AND STRUCTURAL CONDITIONS.
- 8. THEIR CONNECTIONS TO BUILDING SYSTEMS INCLUDING THE PURCHASE AND INSTALLATION OF ALL TERMINATING FITTINGS NECESSARY TO ADAPT AND CONNECT THEM TO THE BUILDING SYSTEMS.

WHERE THIS TRADE CONTRACTOR IS REQUIRED TO INSTALL ITEMS WHICH IT

2. THEIR UNLOADING FROM DELIVERY TRUCKS DRIVEN TO ANY DESIGNATED POINT

4. THE CORRECTION OF ANY DAMAGE, DEFACEMENT OR CORROSION TO WHICH THEY

3. THEIR SAFE HANDLING AND FIELD STORAGE UP TO THE TIME OF PERMANENT

. ALL PARTIES USING THESE DOCUMENTS SHALL VERIFY AND BE RESPONSIBLE

2. PRIOR TO SUBMISSION TO BID. CONTRACTOR SHALL VISIT PROJECT SITE AND CAREFULLY EXAMINE EXISTING CONDITIONS AND COMPARE THEM WITH ISSUED

3. SUBMITTAL OF BID SHALL INDICATE THAT CONTRACTOR HAS EXAMINED THE

FOR ALL FIELD DIMENSIONS AND CONDITIONS PRIOR TO PREPARATION OF

PLANS. CONTRACTOR TO ADVISE ARCHITECT AND ENGINEERING OF ANY

SPACE PLANNING OR CONSTRUCTION DOCUMENTATION, OR ACTUAL

SITE, AND HAS INCLUDED ALL REQUIRED ALLOWANCES IN BID. NO ALLOWANCES SHALL BE MADE FOR ANY ERROR RESULTING FROM

DOES NOT PURCHASE, IT SHALL INCLUDE FOR SUCH ITEMS:

	–	PPORT SCHEDULE PPER PIPING -		
	SIZE (INCHES) MAXIMUM			
	3/8" THRU 1-1/4"	4		
	1-1/2" THRU 2"	8		
	2-1/2" THRU 4"	10		

UNIT NO.	UNIT DIMENSIONS	GAL	ОИТРИТ	MFG/MODEL (NOTE 1)	ACCESSORIES
HWH-1	28" DIA	100	80,000	BRADFORD WHITE LG2PV50H653N	T AND P RELIEF VALVE TO DRAIN PAN. SYSTEM EXPANSION TANK WATTS PLT-20. PROVIDE DRAIN PAN FOR HOT WATER HEATER. COORDINATE ELECTRICAL CONNECTIONS.

NOTE 1: CONTRACTOR TO CONFIRM WITH OWNER PRIOR TO ORDER.

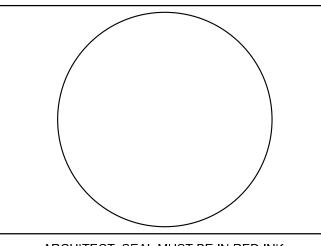
PIPING LEGEND									
SYMBOL	SERVICE SIZE		MATERIAL	JOINTS	INSULATION	REMARKS			
— cw —	DOMESTIC COLD WATER	ALL	PEX	-	-				
— нw —	DOMESTIC HOT WATER	ALL	PEX	-	-				
— s —	SANITARY	LESS THAN OR EQUAL 2-1/2"	SCHEDULE 40 SOLID CORE PVC	SOLVENT-CEMENT	-				
— s —	SANITARY	GREATER THAN 2-1/2"	SCHEDULE 40 SOLID CORE PVC	SOLVENT-CEMENT	-				
— v —	VENT	LESS THAN OR EQUAL 2-1/2"	SCHEDULE 40 SOLID CORE PVC	SOLVENT-CEMENT	-				
— v —	VENT	GREATER THAN 2-1/2"	SCHEDULE 40 SOLID CORE PVC	SOLVENT-CEMENT	-				
— с —	CONDENSATE	ALL	SCHEDULE 40 SOLID CORE PVC	SOLVENT-CEMENT	1/2" FIBERGLASS				

DRAFT

PLATO MARINAKOS, JR. ARCHITECT, LLC

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107 S 2nd Street 4th Floor Philadephia, PA 19106 267-866-0930 OFFICE 267-866-0931 DIRECT plato@plato-studio.com



ARCHITECT SEAL MUST BE IN RED INK OWNER

ISSUED BY: PLATO A. MARINAKOS JR ARCHITECT, LLC

FOR "APPROVAL" BY OUR CLIENT AND CUSTOMER APPROVED AS IS CLIENT IS REQUIRED TO APPROVED AS NOTED CHECK (X) ONE BOX

CLIENT SIGNATURE

NAME (PLEASE PRINT)

KINDLY RETURN ALL DRAWINGS FOR THE COMPLETE BUILDING, SIGNED AND DATED TO OUR OFFICE

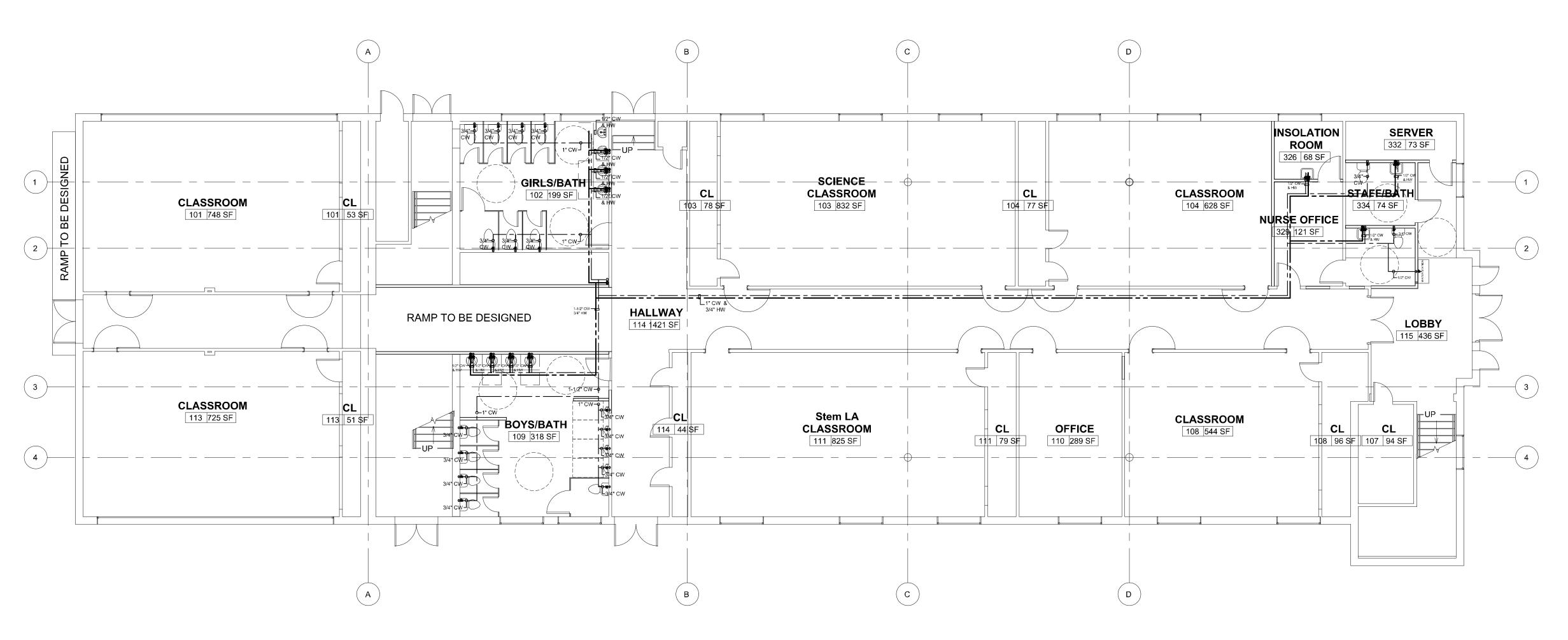
716 EMERSON AVE -**SCHOOL**

PLUMBING COVER SHEET

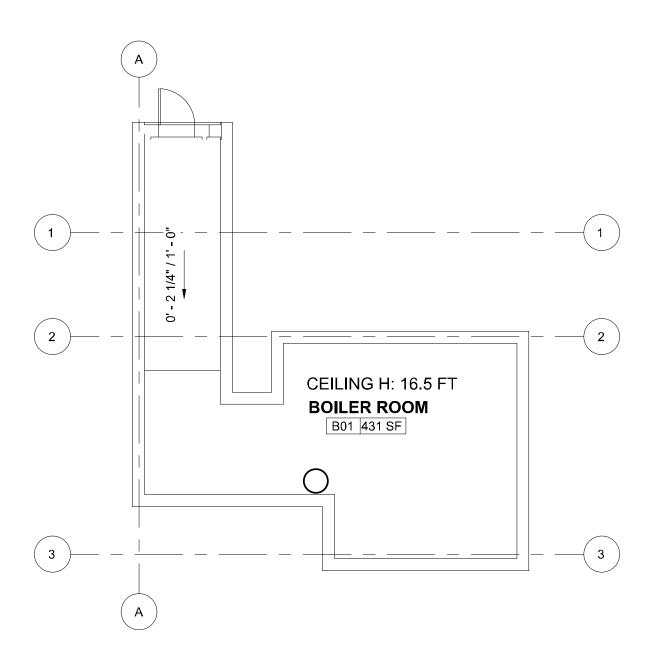
Project number 05/01/2021 Date Drawn by Author Checker Checked by

Scale

1/8" = 1'-0"



FIRST FLOOR PLAN M100 SCALE: 1/8" = 1'-0"



BOILER ROOM PLAN

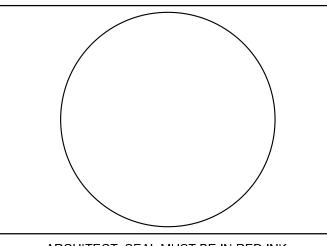
SCALE: 1/8" = 1'-0"

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DOMESTIC WATER FLOOR PLANS

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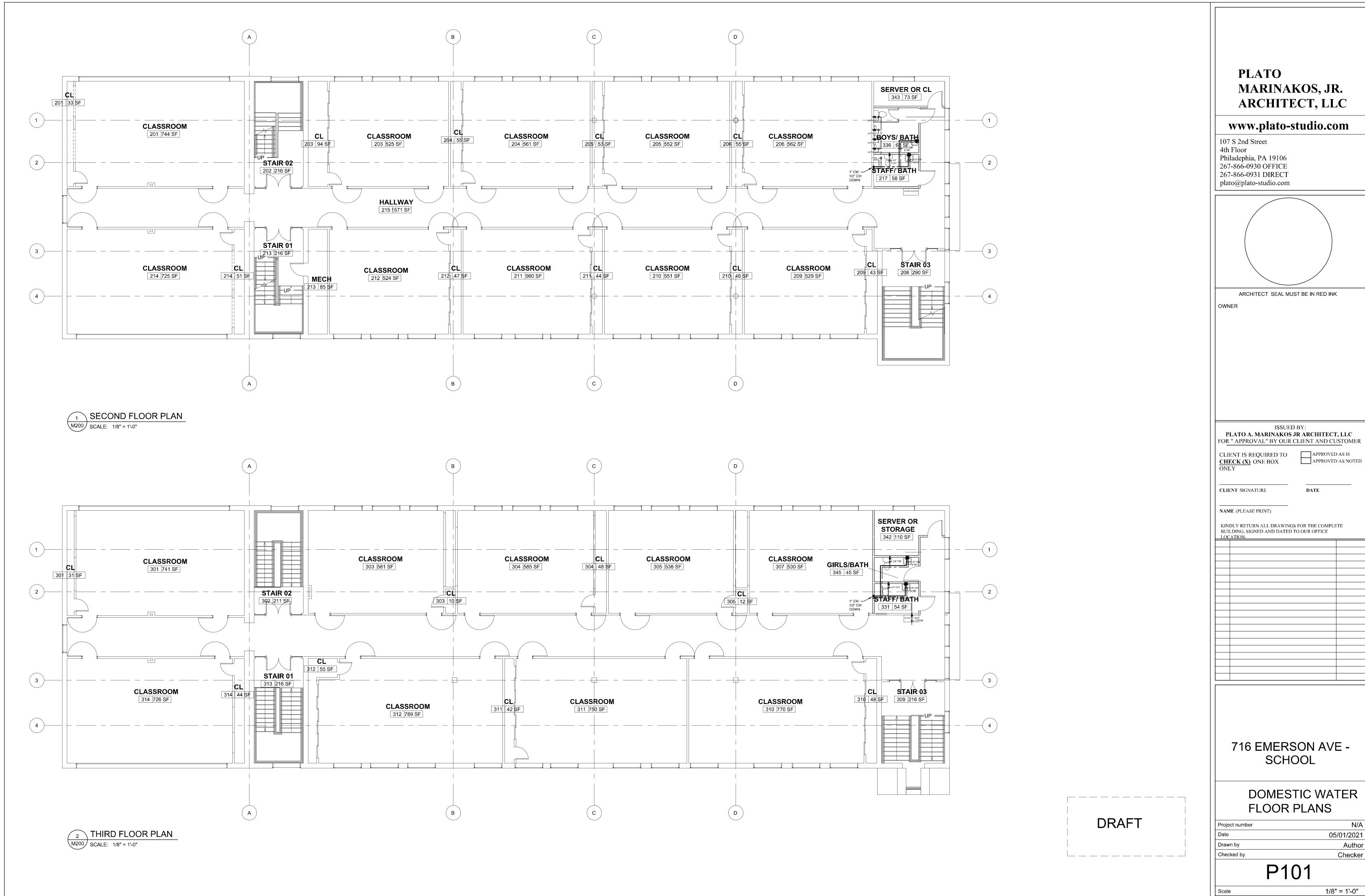
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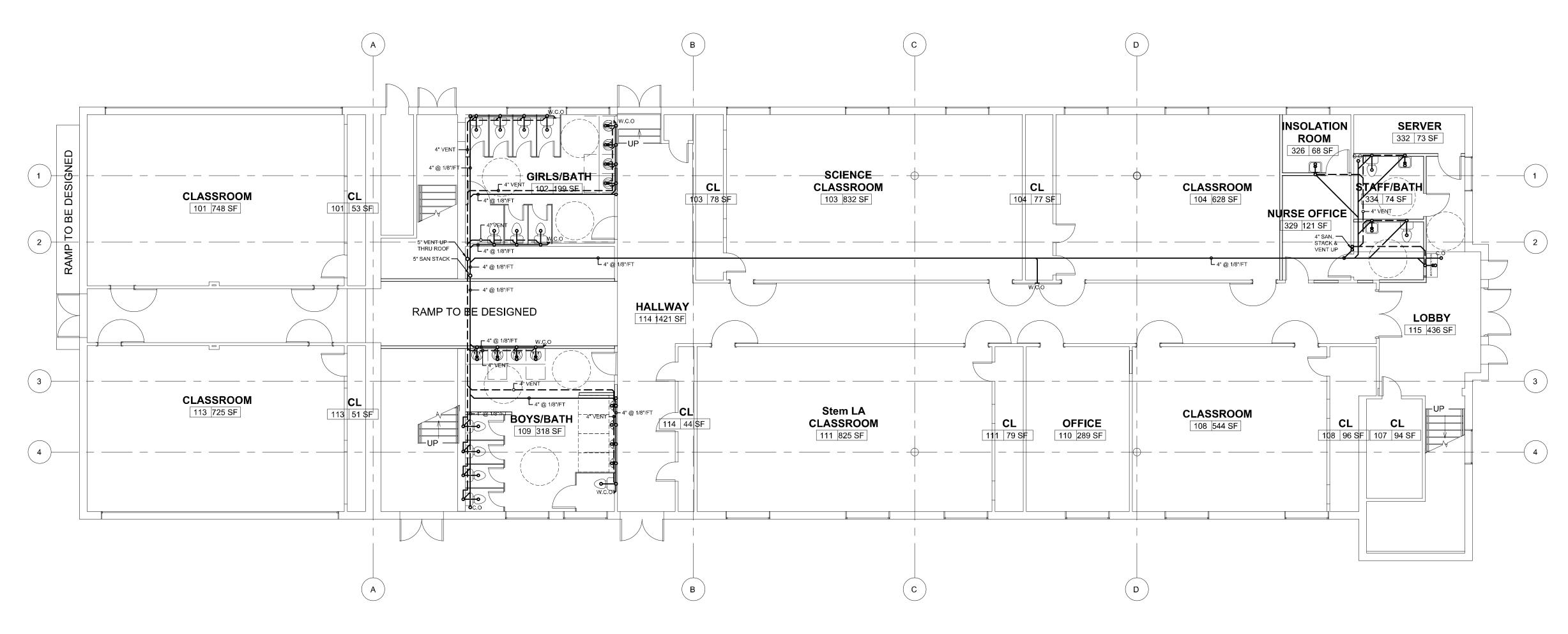
P100

1/8" = 1'-0"

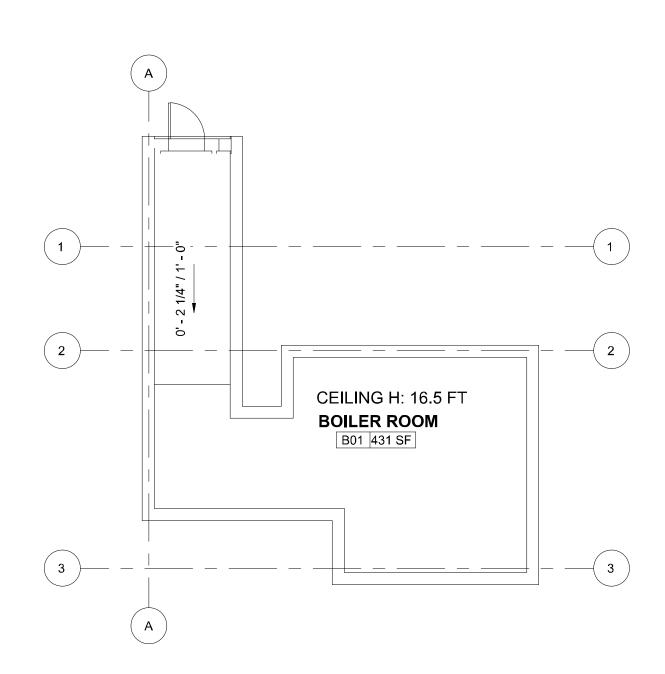
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FIRST FLOOR PLAN M100 SCALE: 1/8" = 1'-0"



BOILER ROOM PLAN

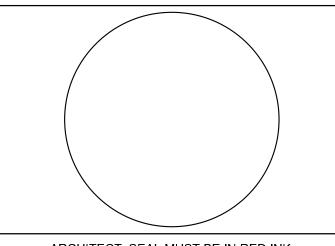
SCALE: 1/8" = 1'-0"

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DATE

NAME (PLEASE PRINT)

CLIENT SIGNATURE

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716 EMERSON AVE -SCHOOL

SANITARY FLOOR PLANS

Project number Drawn by

Checked by

Scale

P200

1/8" = 1'-0"

Author

05/01/2021

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