## **GENERAL NOTES:**

- 1. NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL PLUMBING DRAWINGS
- 2. ALL WORK SHOWN IS TO BE COMPLETED BY THIS TRADE UNLESS SPECIFICALLY INDICATED OTHERWISE.
- 3. ADDRESS QUESTIONS REGARDING DRAWINGS TO ENGINEER IN WRITING BEFORE COM M ENCING WITH WORK. OTHERWISE, ENGINEER'S INTERPRETATION OF MEANING AND INTENT OF DRAWINGS SHALL BE FINAL
- 4. DRAWINGS ARE DIAGRAM MIATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEM S AND WORK INCLUDED IN THE CONTRACT. IT IS INTENDED THAT ALL COMPONENTS AND MATERIALS REQUIRED TO MAKE THE SYSTEMS COMPLETE, TESTED AND OPERATIONAL BE INSTALLED.
- 5. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS BEFORE FABRICATION AND CONSTRUCTION.
- 6. ALL MATERIALS, EQUIPMENT AND METHODS OF INSTALLATION SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAW FUL JURISDICTION.
- 7. COM PLETELY COORDINATE WORK OF THIS TRADE WITH THE OPERATIONS AND THE WORK OF OTHER TRADES.
- 8. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES.
- 9. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN M ANUFACTURER'S EQUIPM ENT CLEARANCES.
- 10. FIRE STOP ALL NEW AND EXISTING SLEEVES THROUGH CONCRETE FLOORS AND FIRE RATED WALLS OR PARTITIONS WITH UL RATED ASSEMBLIES WITH EQUAL FIRE RATING.
- 11. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS SHALL BE SIZED TO ALLOW THE REQUIRED ACCESS, BUT IN NO CASE LESS THAN 12"x12".
- 12. CONTRACTOR IS RESPONSIBLE FOR ALL OWNER COORDINATION AND PROCEDURES RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND STARTING SYSTEMS, ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER AND COORDINATED WITH OTHER CONTRACTORS.

PLUM BING FIXTURE CONNECTION SCHEDULE

HW CW SAN

1" 4"

1" 4"

1/2" | 1/2" | 1 1/2" | 1-1/4"

1/2" 1/2" 1 1/2" 1-1/2"

1/2" | 1/2" | 1-1/2" | 1-1/4"

1/2" 1/2" 1-1/2" 1-1/4"

1/2" | 1 1/4" | 1-1/4"

- 1 1/2" 1-1/2"

FIXTURE TYPE

WATER CLOSET (WALL, ADA)

WATER CLOSET (FLOOR, ADA)

LAVATORY (WALL, ADA)

M OP BASIN

HAND SINK

3-BAY SINK (FLOOR)

DRINKING FOUNTAIN (WALL, ADA)

DISHWASHER

4. WALL - WALL MOUNT (PROVIDE CARRIER BY JOSAM, OR EQUAL)

1. ADA - HANDICAP ACCESSIBLE (ADA) FIXTURE

2. FLOOR - FLOOR MOUNT

3. FV - FLUSH VALVE

**FIXTURE** 

NO.

P-1

P-3

P-4

P-5

P-6

P-7

P-8

**LEGEND** 

<del>-- S</del>

**─**レ

——— TEE RISE

TEE DROP

PIPE RISE

— PIPE DROP

PIPE ABOVE SLAB OR GRADE

----- PIPE BELOW SLAB OR GRADE

PRESSURE GAUGE

THERM OM ETER

TRIPLE DUTY VALVE

BALANCE VALVE

CAP AND CHAIN

SAFETY RELIEF VALVE

TEM PERATURE SENSOR

SWING CHECK VALVE

PUM P

STRAINER W/ BLOWDOWN VALVE

BALL VALVE W/ HOSE CONNECTION,

PRESSURE REDUCING VALVE

→ DIRECTION OF FLOW

UNION

	ADDITETIAL	110110
	ADA	AM ERICAN DISABILITIES ACT
SLOPE DN IN DIRECTION OF ARROW	AFF	ABOVE FINISHED FLOOR
	AHU	AIR HANDLING UNIT
BREAK		
	BTU	BRITISH THERM AL UNIT

CAST IRON  $\infty$ CONC CW

CLEANOUT CONCRETE COLD WATER

DOMESTIC COLD WATER DCW DOM ESTIC HOT WATER DHW DIA DIAM ETER

DOWN DPCO DECK PLATE CLEANOUT DRAIN, WASTE AND VENT DWV

ELECTRICAL CONTRACTOR EXTERNAL STATIC PRESSURE

EXPANSION TANK FLOOR DRAIN FLOOR

FEET OF WATER COLUMN FTWC **GAUGE** GALLON GALV GALVANIZED GENERAL CONTRACTOR

GPF GALLONS PER FLUSH GALLONS PER HOUR GPM **GALLONS PER MINUTE HOT WATER** 

HOT WATER RECIRCULATED HWRINCHES OF WATER COLUMN INVERT

LAVATORY M AXIM UM M BH 1,000 BTU/HR

M ECHANICAL CONTRACTOR MIN M INIM UM ROOF LEADER

SANITARY SCHEDULE SS STAINLESS STEEL T&B TOP & BOTTOM TYP TYPICAL

VTR **VENT THRU ROOF** WATER CLOSET

FLOOR DRAIN WALL HYDRANT WPCO WALL PLATE CLEANOUT NON-FREEZE WALL HYDRANT

CLEANOUT DECK PLATE CLEANOUT

LPG REGULATOR

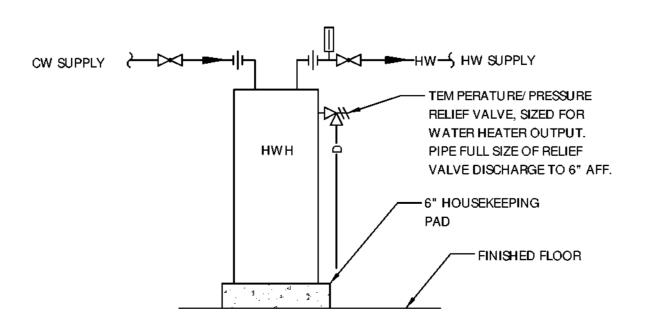
'//////. PIPING/EQUIPM ENT TO BE REMOVED

LIM IT OF REMOVAL

CONNECTION POINT TO EXISTING

	HOT WATER HEATER (HWH) SCHEDULE								
TAG	AREA SERVED	STORAGE (GAL)	INPUT (kW)	TEM P RISE (°F)	RECOVERY (GPH)	SUPPLY TEM P (°F)	ELECTRIC (VOLT/PH/HZ)	BASIS OF DESIGN	NOTES
HWH-1	DHW SYSTEM	80	15	70	88	120	208/3/60	AO SMITH DRE-80-15	1,2,3
NOTES:			•	•					·

- 1. PROVIDE COM PLETE WITH ASME SAFTEY RELIEF VALVE AND DRAIN VALVE.
- 2. INSTALL HOT WATER HEATER IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. 3. FURNISH AND INSTALL UNIT AND ALL CONTROL EQUIPMENT, INCLUDING SENSORS, CONTROL WIRING AND CONDUIT



HOT WATER HEATER DETAIL

SCALE: 1/4" = 1'-0"

P-1 FCU-4 CONDENSATE 115 CENTRIFUGAL 1/30 VCM A-20UL PROVIDE WITH COMBINATION MOTOR STARTER/DISCONNECT AND INTERLOCK OPERATION WITH ASSOCIATED BOILER.

PHASE

PUM P SCHEDULE

PUM P

RPM

FLOW

(GPM)

HEAD

(FT W C)

BASIS OF DESIGN

	INSTANTANEOUS WATER HEATER (IWH) SCHEDULE								
TAG	AREA SERVED	FLOW RATE (GPM)	TEM P RISE (°F)	POW ER (KW)	RATING (AM PS)	ELECTRICAL (VOLT/PH/HZ)	BASIS OF DESIGN	NOTES	
IWH-1	ROOM 108	0.5	68	5	20	208/1/60	AM 007240T	1,2	
IWH-2	ROOM 109	0.5	68	5	20	208/1/60	AM 007240T	1,2	
IWH-3	ROOM 207	0.5	68	5	20	208/1/60	AM 007240T	1,2	
IWH-4	ROOM 208	0.5	68	5	20	208/1/60	AM 007240T	1,2	

1. UNIT SHALL BE WALL-MOUNTED. PROVIDE OPERATIONS AND MAINTNANCE MAUAL

MOTOR

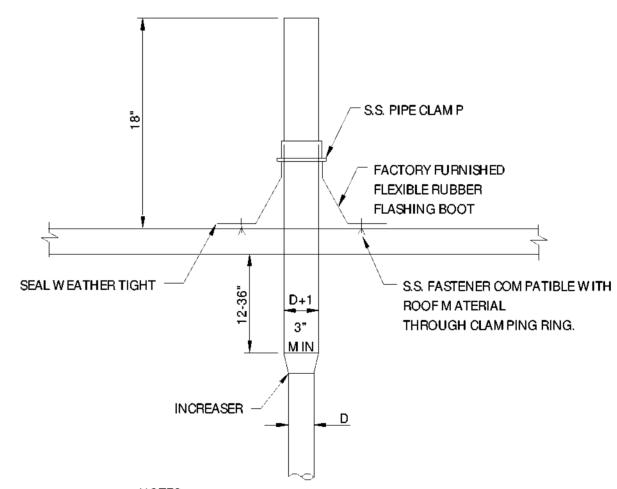
VOLTS

HP

TAG

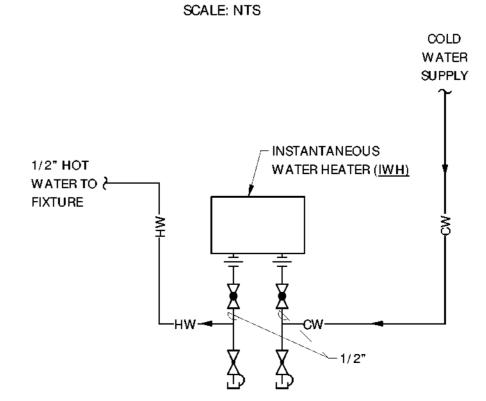
SERVICE

2. TURN ON RATE OF 0.3 GPM. UNIT PROVIDED WITH ONE (1) 0.5 GPM AERATORS.



1. SEE PLANS FOR PIPE DIM ENSIONS 2. SUPPORT PIPE FROM BUILDING STRUCTURE

## VENT THRU ROOF DETAIL



## TYPICAL INSTANTANEOUS WATER HEATER PIPING

SCHEM ATIC NOT TO SCALE

Project Number:

NEW YORK | Parks, Recreation and Historic Preservation

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Architect: Saratoga Associates

**ASSOCIATES** 21 Congress Street, Suite 201 Landscape Architects, Architects Saratoga Springs, NY 12866 Engineers, and Planners, P.C. Engineer: Barton

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Exhibit Designer: **AMAZE DESIGN** PO Box 51905 Boston, MA 02205-9761

& Toguidice

amaze DESIGN

SARATOGA

**NYS OPRHP Taconic Region** 

9 Old Post Rd, PO Box 308 Staatsburg, New York 12580 (845) 889-4100

Regional Director: Linda Cooper District Manager: Garrett Jobson

**Project Title:** 

Philipse Manor Hall State Historic Site Construction of Elevator/Restroom Addition, Interior and Exterior Rehabilitation and Site Enhancements

Project Location:

29 Warburton Ave, Yonkers, NY, 10701

**Key Plan** 

REV	REVISIONS								
Rev No	Description		Date:						
Drawi	 ា By:	Seal and Signature							
R/	1D								
Desig	n By:	OF NEW							

SLW Checked By: DGM Approved By: DGM

5/28/2021 Sheet Title:

SYMBOLS AND **ABBREIVATIONS** 

P001

Drawing Number:

**Bid Documents** 

1299.029.001