## GENERAL PLUMBING SYMBOLS

- DIRECTION OF PIPE PITCH (DOWN)
- DIRECTION OF FLOW
- ANCHOR
- REDUCER OR INCREASER
- ECCENTRIC REDUCER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE
- UNION
- PIPE UP
- PIPE DOWN
- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- STRAINER
- THERMOMETER
- PRESSURE GAGE
- FLOW ELEMENT
- CLEAN OUT
- HOSE BIB

## PLUMBING ABBREVIATIONS

| | |
|---|---|
| A/E | ARCHITECT / ENGINEER |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| BFP | REDUCED PRESSURE BACKFLOW PREVENTER |
| BHP | BREAK HORSEPOWER |
| DCW | DOMESTIC COLD WATER |
| EX | EXISTING |
| GPM | GALLONS PER MINUTE |
| HB | HOSE BIBB |
| HP | HORSEPOWER |
| KW | KILOWATT |
| L/S | LITER PER SECOND |
| LAV | LAVATORY |
| MM | MILLIMETER |
| NC | NORMALLY CLOSED |
| NO | NORMALLY OPEN |
| OFD | OVERFLOW DRAIN |
| PA | PASCAL |
| PSI | POUNDS PER SQUARE INCH |
| SAN | SANITARY SEWER |
| SP | SUMP PUMP |
| TYP | TYPICAL |
| V | VENT |
| VTR | VENT THROUGH ROOF |
| WH | WALL HYDRANT |

## DRAWING SYMBOLS

- 2 / PL105 — DETAIL NUMBER; DRAWING NUMBER WHERE DRAWN
- 26-P 3 — BUILDING NO. WHERE EQUIPMENT IS LOCATED.; EQUIPMENT ABBREVIATION (PUMP); PUMP NO.3 IN BUILDING NO.26; TYPICAL UNIT NO.

## PLUMBING VALVE SYMBOLS

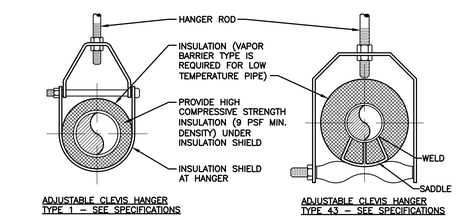
- GATE VALVE
- GATE VALVE WITH 3/4 " HOSE ADAPTER
- CHECK VALVE
- BUTTERFLY VALVE
- BALL VALVE

## PLUMBING PIPING SYMBOLS

- DOMESTIC COLD WATER, COLD WATER
- D — DRAIN
- SAN — SANITARY SEWER

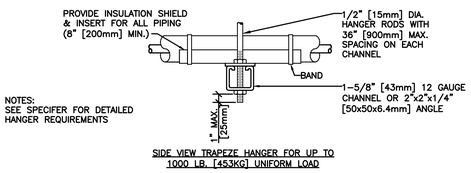
## GENERAL NOTES

1. FOR TYPICAL WATER PIPING CONNECTIONS TO EQUIPMENT, SEE STANDARD EQUIPMENT DETAILS.
2. SEISMIC PROVISIONS // REQUIRED – SEE SPECS // NOT REQUIRED //




ADJUSTABLE CLEVIS HANGER TYPE 1 – SEE SPECIFICATIONS

ADJUSTABLE CLEVIS HANGER TYPE 43 – SEE SPECIFICATIONS




NOTES:
SEE SPECIFER FOR DETAILED HANGER REQUIREMENTS

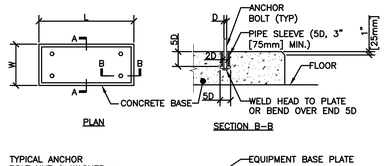
SIDE VIEW TRAPEZE HANGER FOR UP TO 1000 LB. [453KG] UNIFORM LOAD

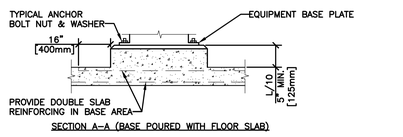
MAXIMUM PIPE/TUBING SUPPORT SPACING

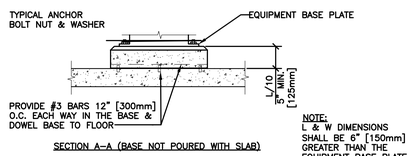
| NOM. SIZE | IN. [mm] | THRU 3/4 THRU [20] | 1 [25] | 1 1/4 [32] | 1 1/2 [40] | 2 [50] | 2 1/2 [65] | 3 [75] | 4 [100] | 5 [125] | 6 [150] | 8 [200] | 10 [250] | 12 [300] | 14 [350] | 16 [400] | 18 [450] | 20 [500] | 24 [600] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PIPE | FT. [mm] | 7 [2100] | 7 [2100] | 7 [2100] | 9 [2700] | 10 [3000] | 11 [3400] | 12 [3700] | 14 [4100] | 16 [4900] | 17 [5200] | 19 [5800] | 22 [6700] | 23 [7000] | 25 [7600] | 27 [8200] | 28 [8500] | 30 [9100] | 32 [9600] |
| TUBING | FT. [mm] | 5 FT [1500] | 6 [1800] | 7 [2100] | 8 [2400] | 8 [2400] | 9 [2700] | 10 [3000] | 12 [3700] | 13 [4000] | 14 [4100] | 16 [4900] | – | – | – | – | – | – | – |

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.

### 1 PIPE HANGERS
NTS

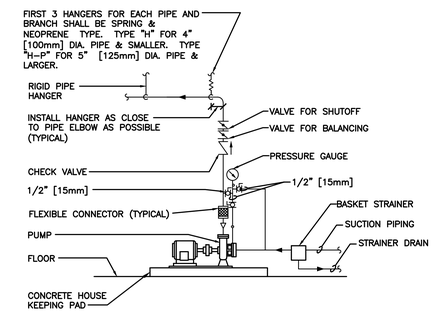



NOTE:
L & W DIMENSIONS SHALL BE 6" [150mm] GREATER THAN THE EQUIPMENT BASE PLATE.

### 2 CONCRETE EQUIPMENT BASES
NTS




### 3 SINGLE SUCTION FLOOR-MOUNTED PUMPS - CONNECTIONS WITH FLEXIBLE CONNECTORS
NTS

100% CONSTRUCTION DOCUMENTS

| Revisions: | Date |
|---|---|
| | |

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| PROJECT No. | DRAWN BY: | DESIGNED BY: | CHECKED BY: |
|---|---|---|---|
| 2011129.00 | RGG | JRA | DJB |

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| | |
|---|---|
| Drawing Title | SYMBOLS, ABBREVIATIONS, AND DETAILS<br>BUILDING 419 |
| Approved: Project Director | |
| Project Title | RECREATIONAL POOL FACILITY RENOVATIONS<br>FILTER BUILDING |
| Location | VAMC, MARTINSBURG, WV |
| Date | 05-04-12 |
| Checked | – |
| Drawn | – |
| Project Number | 613-11-140 |
| Building Number | 419 |
| Drawing Number | 419-PD001<br>Dwg. of– |

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

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