PLUMBING ABBREVIATIONS

AD	ACCESS DOOR	PSI	POUNDS PER SQUARE INCH
AFF	ABOVE FINISHED FLOOR	PSIG	POUNDS PER SQUARE INCH GAUGE
CD	CONDENSATE DRAIN	RD	ROOF DRAIN
DIA	DIAMETER	RLD	RELOCATED EXISTING
DN	DOWN	RLX	RELOCATE EXISTING
EX	EXISTING TO REMAIN	RPM	REVOLUTIONS PER MINUTE
FD	FLOOR DRAIN	RPZ	REDUCED PRESSURE ZONE
FPM	FEET PER MINUTE	RX	REMOVE EXISTING
FPS	FEET PER SECOND	SAN	SANITARY
FS	FLOOR SINK	SF	SQUARE FOOT
GPH	GALLONS PER HOUR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	S/S	STAINLESS STEEL
H	HEIGHT	ST	STORM
HB	HOSE BIB	STD	STANDARD
IN	INCHES	TYP	TYPICAL
INV	INVERT ELEVATION	UP	PIPE UP
IN WG	INCHES OF WATER GAUGE	V	VENT
L	LENGTH	VTR	VENT THROUGH ROOF
NC	NORMALLY CLOSED	W	WIDTH
NO	NORMALLY OPEN	WCO	WALL CLEANOUT
NIC	NOT IN CONTRACT	YCO	YARD CLEAN OUT
NTS	NOT TO SCALE		

GENERAL NOTES

BY EXECUTING THE CONSTRUCTION AGREEMENT, THE CONTRACTOR REPRESENTS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, CORRELATED HIS OBSERVATIONS WITH ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND IS AWARE OF THE OWNER'S INTENDED USE OF THE PROJECT AREA. ANY AREAS WHERE ADDITIONAL INFORMATION IS REQUIRED ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER, IN WRITING.

CONTRACTOR:
INSTALL WORK SUBSTANTIALLY AS INDICATED ON THE DRAWINGS. VERIFY EXACT LOCATION AND ELEVATIONS AT THE SITE. DO NOT SCALE THE DRAWINGS. MAKE NECESSARY CHANGES IN ELEVATION, FITTINGS OR OFFSETS TO ACCOMMODATE OBSTACLES OR INTERFERENCES. ALL DIMENSIONS ARE TO BE FIELD VERIFIED BEFORE START OF WORK.

THE CONTRACTOR IS TO PROTECT FURNISHINGS, EQUIPMENT, ETC., AND PROPERLY STORE MATERIAL AS REQUIRED UNTIL COMPLETION OF THE PROJECT.

CONTRACTOR TO VERIFY ALL MEASUREMENTS BEFORE ORDERING MATERIALS OR DOING ANY WORK. NO EXTRA COMPENSATION OR CHANGE ORDERS WILL BE ISSUED DUE TO DIFFERENCES BETWEEN THE ACTUAL MEASUREMENT AND THE DIMENSIONS ON THE DRAWINGS. CONTRACTOR SHALL LAY OUT ALL EQUIPMENT PRIOR TO FABRICATION OR INSTALLATION TO ASSURE PROPER FIT AND AVOIDANCE OF OBSTRUCTIONS, AND SHALL THOROUGHLY COORDINATE WORK WITH ALL TRADES AND DETERMINE EXACT ROUTE AND LOCATION OF EACH ELEMENT AND PIECE OF EQUIPMENT BEFORE FABRICATION AND INSTALLATION.

CONTRACTOR TO BE RESPONSIBLE FOR KEEPING THE GENERAL WORK AREA CLEAN AND FREE FROM DIRT AND CONSTRUCTION MATERIALS, AND FOR CLEANING THE AREA AT THE END OF EACH DAY. ANY AND ALL DAMAGE TO THE EXISTING WALLS, CEILINGS, FLOOR, ETC., THAT OCCURS DURING THE WORK, SHALL BE REPAIRED AND PATCHED. IF THE SPECIFIC METHOD OF REPAIR IS IN QUESTION, THE CONTRACTOR IS TO CONFER WITH THE OWNER'S REPRESENTATIVE BEFORE COMMENCING THE REPAIR.

THE CONTRACTOR SHALL MAINTAIN ON THE SITE FOR THE OWNER A COMPLETE SET OF CONTRACT DOCUMENTS AND ALL COPIES OF APPROVED SHOP DRAWINGS, ALL CHANGE ORDERS, FIELD ORDERS, AND BULLETINS, PROGRESSIVELY FILED AND UPDATED TO REFLECT THE LATEST CHANGES.

THE CONTRACTOR IS TO PROVIDE AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT.

CONTRACTOR ACKNOWLEDGES HE HAS VERIFIED WITH THE OWNER'S REPRESENTATIVE ALL OF THE DETAILS OF THE WORK TO BE PERFORMED INCLUDING THE ACCURACY OF ALL CONTRACT DRAWINGS AND SPECIFICATIONS. ALL MATERIALS AND EQUIPMENT ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.

ALL DEFECTS IN EQUIPMENT OR MATERIALS, OR ERRORS IN THE DRAWINGS DISCOVERED DURING THE PERFORMANCE OF THE WORK SHALL BE REPORTED PROMPTLY TO THE OWNER'S REPRESENTATIVE. IN NO EVENT SHALL THE WORK PROCEED UNTIL DEFECTS AND/OR ERRORS HAVE BEEN RESOLVED.

CODES AND REGULATIONS:
THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, RULES, REGULATIONS AND ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK, BOTH ON AND OFF SITE. IF ANY OF THE CONTRACT DOCUMENTS ARE AT VARIANCE THEREWITH IN ANY RESPECT, CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING.

CONTRACTOR REPRESENTS AND WARRANTS COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES AND REGULATIONS APPLICABLE TO THIS ORDER, INCLUDING THE NEW YORK STATE BUILDING CODE, AND THE LOCAL GOVERNING BODY.

FINAL COMPLETION:
PERFORM ALL OF THE WORK REQUIRED TO COMPLETE THE PROJECT, INCLUDING THE SATISFACTORY OPERATION OF ALL EQUIPMENT, AND THE CORRECTION OF ALL UNACCEPTABLE OR INCOMPLETE PORTIONS OF THE PROJECT TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. SETTLE ALL CLAIMS AND SECURE THE RELEASE OF ALL MECHANIC'S LIEN OR LIENS OF A LIKE NATURE, AND SECURE THE ISSUANCE BY AN APPROPRIATE GOVERNMENT AUTHORITY OF A CERTIFICATE OF OCCUPANCY. REMOVE ALL RUBBISH, SURPLUS MATERIALS, SCAFFOLDING, AND EQUIPMENT FROM THE SITE WHETHER OR NOT LEFT BY OR BELONGING TO THE CONTRACTOR.

BUILDING CODE

JURISDICTION: TOWN OF HENRIETTA

1. BUILDING CODE OF NEW YORK STATE
2. ENERGY CODE OF NEW YORK STATE
3. PLUMBING CODE OF NEW YORK
4. MECHANICAL CODE OF NEW YORK STATE
5. FIRE CODE OF NEW YORK STATE
6. ENERGY CONSERVATION CODE OF NEW YORK STATE
7. ACCESSIBLE AND USABLE BUILDING AND FACILITIES -CABO/ANSI A117.1 - 1998
8. NATIONAL ELECTRIC CODE 2005
9. NATIONAL FIRE CODE NFPA 13 2007

SEISMIC DESIGN

THIS BUILDING HAS BEEN DETERMINED TO BE:

SEISMIC DESIGN CATERGORY: EXEMPT

PROVIDE RESTRAINTS AS REQUIRED TO COMPLY WITH SECTION 1621 OF THE NYS BUILDING CODE.

ENERGY EFFICIENCY

NOTE:
TO THE BEST OF OUR KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THE MECHANICAL PLANS AND SPECIFICATIONS COMPLY WITH THE LATEST EDITION OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

MECH. ENGINEER

EQUIPMENT DESIGNATIONS

XXX-1H

HANDICAP ACCESSIBLE DESIGNATION (IF APPLICABLE)

EQUIPMENT DESIGNATION

EQUIPMENT NUMBER

CO	CLEANOUT
CV	CONTROL VALVE
DF	DRINKING FOUNTAIN
DWH	DOMESTIC WATER HEATER
EJ	EXPANSION JOINT
EWC	ELECTRIC WATER COOLER
F	FILTER
FCO	FLOOR CLEANOUT
HB	HOSE BIBB
KS	KITCHEN SINK
LAV	LAVATORY
M	GAS METER
MS	MOP SINK
P	PUMP
S	SINK
SA	SHOCK ABSORBER (WATER HAMMER ARRESTOR)
SS	SERVICE SINK
SH	SHOWER
SP	SUMP PUMP
SRV	SAFETY RELIEF VALVE
SWP	SEWAGE PUMP
TK	WATER TANK
UR	URINAL
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WS	WATER SOFTENER

PLUMBING GRAPHIC SYMBOL INDEX

- AV — ACID VENT
- AW — ACID WASTE
- CW — DOMESTIC COLD WATER
- CA(#) — COMPRESSED AIR (PSIG)
- DI — DISTILLED WATER
- FOR — FUEL OIL RETURN
- FOS — FUEL OIL SUPPLY
- GSAN — GREASE DRAIN (SAN)
- RHW — RECIRC HOT WATER, DOMESTIC
- HW(XXX) — DOMESTIC HOT WATER SUPPLY (TEMP. OPTIONAL, °F)
- IA — INSTRUMENT AIR
- IND — INDIRECT DRAIN
- NG(#) — NATURAL GAS (PSIG)
- SAN — SANITARY DRAIN
- SAN — SANITARY DRAIN BELOW GRADE
- ST — STORM DRAIN
- ST — STORM DRAIN BELOW GRADE
- T — TEMPERED WATER
- VC — VACUUM
- VENT
- EXISTING WORK, EQUIPMENT
- NEW WORK, EQUIPMENT
- WORK, EQUIPMENT TO BE REMOVED
- BALL VALVE
- BUTTERFLY VALVE
- XXX — CALIBRATED BALANCING VALVE (GPM)
- CHECK VALVE
- CONTROL VALVE (TWO WAY)
- CONTROL VALVE (THREE WAY)
- GATE VALVE
- FLANGED CONNECTION
- GENERIC VALVE
- GLOBE VALVE
- MOTORIZED VALVE
- PRESSURE GAUGE
- PLUG VALVE
- PRESSURE REDUCING VALVE FLANGED
- PRESSURE REDUCING VALVE THREADED
- PRESSURE/TEMPERATURE PORT
- SAFETY RELIEF VALVE
- OS & Y VALVE
- $ — SOLENOID VALVE
- SIPHON
- TEMPERATURE GAUGE / THERMOMETER
- UNION
- GAUGE COCK OR NEEDLE VALVE
- WCO — WALL CLEANOUT
- FLOOR CLEANOUT
- HOSE BIB
- NF — NON-FREEZING HOSE BIB
- AQUASTAT
- PS — PRESSURE SENSOR
- TS — TEMPERATURE SENSOR
- FS — FLOW SWITCH
- FLOW METER
- DP — DIFFERENTIAL PRESSURE SENSOR
- VACUUM BREAKER
- M — MANUAL AIR VENT
- A — AUTOMATIC AIR VENT
- STRAINER
- CONCENTRIC REDUCER
- FOT OR FOB — ECCENTRIC REDUCER (FLAT ON TOP / FLAT ON BOTTOM)
- T — TEMPERATURE SENSOR
- PUMP (FLOW DIAGRAM)
- FLOOR DRAIN
- ROOF DRAIN
- FLOOR SINK
- P TRAP
- TOP CONNECTION
- BOTTOM CONNECTION
- PIPE UP
- PIPE DOWN
- POINT OF CONNECTION BETWEEN EXISTING WORK AND NEW WORK
- POINT OF DISCONNECTION BETWEEN EXISTING WORK AND WORK TO BE DISMANTLED
- SA — SHOCK ABSORBER (WATER HAMMER ARRESTOR)
- GAS SHUTOFF VALVE
- A — PIPE ANCHOR
- PIPE FLEX
- G — PIPE GUIDE
- EXPANSION JOINT
- RPZ — REDUCED PRESSURE ZONE BACKFLOW PREVENTER
- RPDA — REDUCED PRESSURE DETECTOR ASSEMBLY BACKFLOW PREVENTER
- DCDA — DUAL CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER
- TS — TAMPER SWITCH (FIRE PROTECTION)
- FS — FLOW SWITCH (FIRE PROTECTION)
- PS — PRESSURE SWITCH (FIRE PROTECTION)
- ACTIVE CHILLED BEAM
- RADIANT CEILING PANEL

NOTE:
NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT DESIGNATIONS ARE USED ON THIS JOB.

Department of Human Resources Office Renovation

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PLUMBING LEGEND SHEET

Note:
Unauthorized alteration or addition to this drawing is a violation of the New York State Education Law Article 145, Section 7209.

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