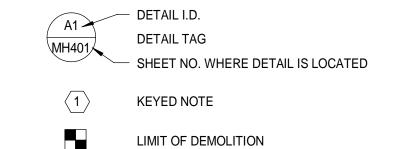


GENERAL SYMBOLS



FIRE PROTECTION SYMBOLS

CONNECTION OF NEW WORK TO EXISTING

· FLOW SWITCH
	FLOW SWITCH
TS TS	VALVE WITH TAMPER SWITCH
	VALVE WITH TAIWPER SWITCH

PIPING SYSTEMS

MA MEDICAL AIR

STRAINER W/ BLOWDOWN

PRESSURE SWITCH

	— AV ——	ACID VENT	M\	/	MEDICAL VACUUM	 —TEMP——	DOMESTIC HOT WATER (TEMP DEG. F)
	— AD ——	ACID DRAIN	N2N	NP	NON-PROCESS NITROGEN	 —TEMP—	RECIRC. DOMESTIC HOT WATER (TEMP DEG. F)
_	—AD— —	ACID DRAIN (BELOW SLAB)	—— N2	2 ——	NITROGEN	 — CW — - —	DOMESTIC COLD WATER
	— BA ———	BREATHING AIR	NG		NATURAL GAS	 — HW ——	DOMESTIC HOT WATER
	—CD——	CONDENSATE DRAIN	——HN	G 	HIGH PRESSURE NATURAL GAS	 —RHW—	RECIRCULATED DOMESTIC HOT WATER
	—CDA——	COMPRESSED DRY AIR	NO)2——	NITROUS OXIDE	S, W or KW——	(S) SANITARY, (W) WASTE & (KW) KITCHEN WASTE
	— DB ———	DISTRIBUTION VALVE BOX	NEG. S	SOLV.—	NEGATIVE SOLVENT DRAIN	 S, W or KW——	(S) SANITARY, (W) WASTE & (KW) KITCHEN WASTE (EXISTING)
	—DIS——	DEIONIZED WATER SUPPLY	NP\	W 	NON POTABLE COLD WATER	 S, W or KW— —	(S) SANITARY, (W) WASTE & (KW) KITCHEN WASTE (BELOW SLAB)
	— DIR — ——	DEIONIZED WATER RETURN	<u> </u>	2 ——	OXYGEN	 ·S, W or KW— —	(S) SANITARY, (W) WASTE & (KW) KITCHEN WASTE (BELOW SLAB-EXIST.)
	EXCD——	EXC DRAIN	OF	A 	OIL FREE COMPRESSED AIR	— SD ———	STORM DRAIN
	-ESEW	EYEWASH	——PD		PUMPED DISCHARGE	 — SD ———	STORM DRAIN (EXISTING)
	—GLY——	GLYCOL	—POS. S	SOLV.—	POSITIVE SOLVENT DRAIN	 — SD — —	STORM DRAIN (BELOW SLAB)
	— GV ——	GAS VENT	——PW	v 	POTABLE WATER	 — SD — —	STORM DRAIN (BELOW SLAB - EXIST.)
	— н ——	HYDROGEN	—— R		RELIEF LINE	 v	SANITARY VENT
	—H2O2 	HYDROGEN PEROXIDE	SLI	D —	MIXED SOLVENT DRAIN	 v	SANITARY VENT (EXISTING)
	—HCV ——	HOUSE CLEAN VACUUM	sv	/	SOLVENT	 — v — —	SANITARY VENT (BELOW SLAB)
	—IAD——	ISOPROPYL ALCOHOL DRAIN	SPI	к	SPRINKLER	 — V — —	SANITARY VENT (BELOW SLAB - EXIST.)
	— LP ——	LIQUID PROPANE GAS	VA	c 	VACUUM		
	HLP	HIGH PRESSURE LIQUID PROPANE GAS	ZE	3——	ZONE VALVE BOX		

ABBREVIATIONS

AAV AUTOMATIC AIR VENT	DWV DRAINAGE, WASTE AND VE
AD ACCESS DOOR	ENC ENCLOSURE
AFF ABOVE FINISHED FLOOR	(E) EXISTING
AHU AIR HANDLING UNIT	EXIST. EXISTING
ATC AUTOMATIC TEMPERATURE CONTROL	FBO FURNISHED BY OWNER
AV AIR VENT	FC FLEXIBLE CONNECTOR
BA BREATHING COMPRESSED AIR	FCO FLOOR CLEANOUT
BFP BACKFLOW PREVENTER	FD-# FLOOR DRAIN TAG
BLDGBUILDING	FG FIBERGLASS
BOD BOTTOM OF DUCT	FRHBFREEZE RESISTANT HOSE I
BOP BOTTOM OF PIPE	FS FLOW SWITCH
BTU BRITISH THERMAL UNIT	GC GENERAL CONTRACTOR

CFF CAPPED FOR FUTURE	GPM GALLONS PER MINUTE
CFH CUBIC FEET PER MINUTE	HHUMIDIFIER
CLG CEILING	HB HOSE BIBB
CO CLEANOUT	HRU HEAT RECOVERY UNIT
CONT CONTINUATION	HTR HEATER

COORD COORDINATION	H & VHEATING AND VENTILATING
CT COOLING TOWER	HVAC HEATING, VENTILATING AND AIR CONDITIONING
CTE CONNECT TO EXISTING	HWHOT WATER

PP POLYPROPYLENE

CU COPPER HX HEAT EXCHANGER

CV CONTROL VALVE IN WG INCHES WATER GAUGE

CWCOLD WATER MAU MAKEUP AIR UNIT

CW-PCITY WATER-PROCESS MAX MAXIMUM

DC DOUBLE CONTAINED MBH 1000 BTU/HR

DCO DANDY CLEANOUT ME MECHANICAL ENGINEER

DDC DIRECT DIGITAL CONTROL MFR MANUFACTURER DIA DIAMETER MIN MINIMUM DIC DOWN IN CHASE MPV MULTI-PURPOSE VALVE DIW DOWN IN WALL MTD MOUNTED DN DOWN MUA MAKE UP AIR DS DOWNSPOUT NPW NON-POTABLE WATER DT DROP AND TRANSITION NTS NOT TO SCALE P-# PLUMBING FIXTURE TAG DWG DRAWING

DWH DOMESTIC WATER HEATER

PPE PREPURCHASED EQUIPMENT

PRS PRESSURE REDUCING STATION

PRV PRESSURE REDUCING VALVE

(R) REMOVE
(REL.) RELOCATE
RD ROOF DRAIN
RHC REHEAT COIL
RM ROOM
RPZ REDUCED PRESSURE ZONE BFP

RV RELIEF VALVE
SCV SELF CONTAINED VALVE

SPK SPRINKLER
SS STAINLESS STEEL

TE TEMPERATURIZED ELEMENT (SENSOR)

TOP TOP OF PIPE

TTS TIGHT TO STEEL

TYP TYPICAL

UICUP IN CHASE

UIW UP IN WALL

UV UNIT VENTILATOR

VB VACUUM BREAKER

VTR VENT THROUGH ROOF

VCFF VALVED AND CAPPED FOR FUTURE

VFD VARIABLE FREQUENCY DRIVE

VOC VOLITILE ORGANIC COMPOUND

W/ WITH

W&T WASTE AND TRAP
WCO WALL CLEANOUT
WHWALL HYDRANT
ZVB ZONE VALVE BOX

GENERAL NOTE:

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

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PLUMBING AND FIRE PROTECTION LEGEND AND ABBREVIATIONS OF: VERTICAL CIRCULATION IMPROVEMENTS

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