

MECHANICAL LEGEND AND SYMBOLS

PLUMBING & DRAINAGE

DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATION
NPW	NON-POTABLE WATER
TW	TEMPERED HOT WATER
IW	IRRIGATION WATER
BRIN	BRINE WATER
CHEM	CHEMICAL WATER
SW	SOFT WATER
SAN	SANITARY DRAIN - ABOVE GRADE
SAN	SANITARY DRAIN - BELOW GRADE
SAN-P	PUMPED SANITARY DRAIN
STM	STORM DRAIN - ABOVE GRADE
STM	STORM DRAIN - BELOW GRADE
STM-P	PUMPED STORM DRAIN
PW	PROCESS DRAIN - ABOVE GRADE
PW	PROCESS DRAIN - BELOW GRADE
PW-P	PUMPED PROCESS DRAIN
W	WEEPER DRAIN (SUB-DRAIN)
V	VENT
COND	CONDENSATE DRAIN
DRAIN	OVERFLOW DRAIN
FD-A	FLOOR DRAIN (LETTER INDICATES TYPE SEE SPECIFICATION)
FFD-A	FLOOR DRAIN (LETTER INDICATES TYPE SEE SPECIFICATION)
Y	ROOF DRAIN (CONVENTIONAL)
Y	FUNNEL DRAIN - ELEVATION
HB	HOSE BIBB
NFWH	HYDRANT - NON-FREEZE
	SHOWER HEAD
	PITCH-INDICATES DOWN SLOPE
CO	CLEANOUT - ABOVE GRADE
CO	CLEANOUT - ABOVE GRADE
CO	CLEANOUT - BELOW GRADE
CO	CLEANOUT - BELOW GRADE
	RUNNING TRAP
BFP	BACKFLOW PREVENTOR
	BACK WATER VALVE (FOR SEWAGE)
	BACKFLOW PREVENTOR (ANTI-SIPHON DEVICE 25mm & LARGER)
	BACKFLOW PREVENTOR (ANTI-SIPHON DEVICE UNDER 25mm)
	WATER CLOSET (WALL HUNG, FLUSH VALVE)
	WATER CLOSET (FLOOR MOUNTED, FLUSH TANK)
	URINAL (WALL HUNG, FLUSH VALVE)
	LAVATORY (WALL HUNG)
	LAVATORY (COUNTER TOP)
	SERVICE SINK
	GROUP WASHFOUNTAIN
DFC-1	DRINKING FOUNTAIN COOLER (NUMBER INDICATES TYPE - SEE SPECS.)
ESS	SAFETY SHOWER & EYE WASH STATION
EW	EYE WASH STATION
VM	VENDING MACHINE
CB1	600 X 600 X 700 (H) CATCH BASIN
CB2	IN LINE C.B.
TD	TRENCH DRAIN WITH CONTINUOUS SLOPE

FIRE PROTECTION

FP	FIRE STANDPIPE
SP	SPRINKLER PIPE
DFP	DRY FIRE STANDPIPE
DSP	DRY SPRINKLER PIPE
PREACTION	PRE-ACTION PIPE
DELUGE	DELUGE PIPE
CAG	DRY SPRINKLER PIPE
	PENDENT SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD
	CONCEALED SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD
	EXISTING SPRINKLER HEAD TO BE REMOVED
FE	EXPOSED FIRE EXTINGUISHER
FE&CAB	FIRE EXTINGUISHER WITH CABINET

FIRE PROTECTION

	FIRE HOSE CABINET
	FIRE HOSE REEL
	FIRE HOSE HANGER
	FIRE HOSE CABINET (FHC)
	FIRE HOSE CABINET (FHC)
	FIRE HOSE CABINET (FHC)
	WALL HYDRANT
	ROOF HOSE HOUSE
	FIRE HYDRANT
	FIRE DEPARTMENT CONNECTION
	SUPERVISED VALVE
	FLOW SWITCH
	SPRINKLER ALARM CHECK WET VALVE
	SPRINKLER ALARM CHECK DRY VALVE
	PREACTION SPRINKLER ALARM CHECK VALVE
	DELUGE SPRINKLER ALARM CHECK VALVE
	ALARM GONG
	HOSE HEADER 6 x 620 c/w HOSE CAP
	POST INDICATOR VALVE
	O.S. & Y. VALVE
	O.S. & Y. VALVE-IN RISER
	INSPECTORS TEST CONNECTION

MECHANICAL PIPING

X-YYY	"X" PIPE SIZE NPS
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
HCS	HEATING / CHILLED WATER SUPPLY
HCR	HEATING / CHILLED WATER RETURN
GLY-HWS	GLYCOL HEATING WATER SUPPLY
GLY-HWR	GLYCOL HEATING WATER RETURN
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
PCHWS	PROCESS CHILLED WATER SUPPLY
PCHWR	PROCESS CHILLED WATER RETURN
CTWS	COOLING WATER SUPPLY
CTWR	COOLING WATER RETURN
HPST	HIGH PRESSURE STEAM
LPST	LOW PRESSURE STEAM
S.COND	STEAM CONDENSATE
S.COND-P	PUMPED STEAM CONDENSATE
RefL	REFRIGERANT LIQUID
RefG	REFRIGERANT GAS
FUEL	FUEL PIPE
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
H	HUMIDIFIER LINE
ENGINE OIL	ENGINE OIL
SOL 'B'	SOLUBLE 'B' OIL
HONE	HONE OIL
GASO	GASOLINE
MCS(LP)	MACHINE COOLANT SUPPLY (LOW PRESSURE)
MCS(HP)	MACHINE COOLANT SUPPLY (HIGH PRESSURE)
MCR	MACHINE COOLANT RETURN
N.GAS	NATURAL GAS
PR	PROPANE
CA	COMPRESSED AIR
VACU	VACUUM PIPE
MDG	MEDICAL GAS PIPE
O2	OXYGEN
NO	NITROUS OXIDE
N	NITROGEN
CO2	CARBON DIOXIDE
CO	CARBON MONOXIDE
He	HELIUM
H2	HYDROGEN
ARGON	ARGON
	DIRECTION OF FLOW
	NEW PIPING / DUCTWORK
	EXISTING PIPING / DUCTWORK TO REMAIN
X X X X	NEW PIPING / DUCTWORK

VALVES, FITTINGS AND SPECIALTIES

	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	PLUG VALVE
	BUTTERFLY VALVE
	BALL VALVE
	DIAPHRAM VALVE
	HOSE END VALVE
	BOILER BLOWDOWN VALVE
	FIRE STOP VALVE
	RUPTURE DISC
	VALVE IN RISER
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE - ELEVATION
	PRESSURE RELIEF VALVE
	PRESSURE RELIEF VALVE - PLAN
	FLOAT ACTIVATED SIGNAL TRANSMITTER
	FLOAT OPERATED VALVE
	BACK PRESSURE VALVE
	DIFFERENTIAL BACK PRESSURE VALVE
	NEEDLE VALVE
	BALANCING VALVE
	FLOW METERING FITTING (UNDER 75mm)
	FLOW METERING FITTING (75mm AND LARGER)
	CONTROL VALVE - ELECTRIC
	CONTROL VALVE - PNEUMATIC
	THREE-WAY CONTROL VALVE - ELECTRIC
	THREE-WAY CONTROL VALVE - PNEUMATIC
	MOTORIZED VALVE
	PUMP CONTROL VALVE
	GLOBE CONTROL VALVE - PNEUMATIC
	BUTTERFLY CONTROL VALVE - PNEUMATIC
	PNEUMATIC ACTUATOR
	ELECTRIC ACTUATOR
	ELECTRIC MOTOR
	ELECTRIC SOLENOID
	ROOM THERMOSTAT
	FLOW SWITCH (HARD WIRED)
	HIGH LIMIT HUMIDITY SENSOR
	DIFFERENTIAL PRESSURE SENSOR
	MEDIA RUN-OUT SWITCH
	ELBOW TURNED TOWARD
	ELBOW TURNED AWAY
	TEE TURNED AWAY
	TEE TURNED TOWARD
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	PIPE CAP THREADED
	PIPE CAP WELDED
	PLUG
	FLEXIBLE CONNECTION UNION
	FLANGE CONNECTION
	BLIND FLANGE
	ORIFICE FLANGES
	QUICK CONNECTION FITTING
	PIPE ANCHOR
	PIPE LINE GUIDE
	PIPE LINE TRAPEZE HANGER
	PIPE LINE EXPANSION JOINT
	EXPANSION LOOP
	Y-TYPE STRAINER
	BASKET TYPE STRAINER
	DUPLEX BASKET TYPE STRAINER
	IN-LINE SIGHT GLASS
	GAUGE GLASS
	DRIP PAN ELBOW
	THERMOMETER-STEM TYPE
	PRESSURE GAUGE
	THERMOSTAT GAUGE

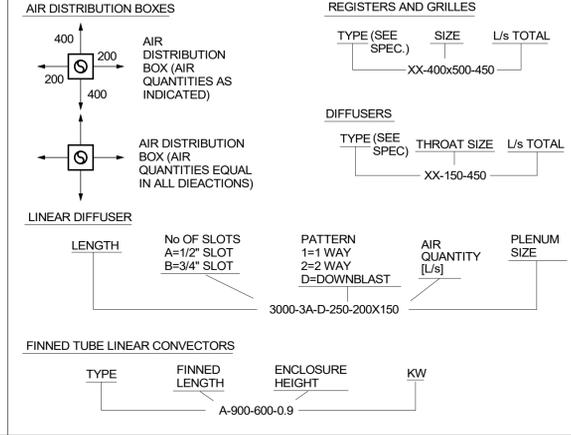
VALVES, FITTINGS AND SPECIALTIES

M	METER
WM	WATER METER
GM	N. GAS METER
CAM	COMPRESSED AIR METER
	PUMP
F&T	STEAM TRAP - FLOAT & THERMOSTATIC
B	STEAM TRAP - INVERTED BUCKET
T	STEAM TRAP - THERMOSTATIC
TH	STEAM TRAP - THERMODYNAMIC
ADT	AUTOMATIC DRAIN TRAP - COMPRESSED AIR
AE	AIR ELIMINATOR
HS	HYDRAULIC SEPERATOR
AAV	AUTOMATIC AIR VENT

HEATING, VENTILATION AND AIR CONDITIONING

	DUCTWORK (RECTANGULAR)		DUCTWORK (ROUND)
	MOTORIZED DAMPER		ACOUSTIC DUCT INSULATION - INTERNAL
	OPPOSED BLADE DAMPER		PARALLEL BLADE DAMPER
	FIRE DAMPER		SMOKE DAMPER
	VOLUME DAMPER		COMBINATION FIRE & SMOKE DAMPER
	VOLUME EXTRACTOR		REDUCER
	TURNING VANES		ELBOW
	TAP-IN FITTING		CONICAL TEE FITTING
	WYE-TEE		SPLITTER DAMPER
	ROUND DUCT TURNING TOWARD		ROUND DUCT TURNING AWAY
	SUPPLY DUCT TURNING TOWARD		RETURN DUCT TURNING TOWARD
	SUPPLY DUCT TURNING AWAY		RETURN DUCT TURNING AWAY
	ACOUSTIC DUCT INSULATION INTERNAL - SINGLE LINE		SILENCER
	FLEXIBLE DUCTWORK		FLEXIBLE CONNECTION
	VAV BOX WITH ATTENUATOR		VAV BOX WITH RHC & ATTENUATOR
	VAV BOX		CONSTANT VOLUME BOX
	SUPPLY AIR DIFFUSER (SEE SPECIFICATION FOR TYPE)		RETURN AIR GRILLE (SEE SPECIFICATION FOR TYPE)
	DOOR GRILLE - FIGURE INDICATES L/S		AIR FLOW MEASURING STATION
	FAN		COOLING COIL
	HUMIDIFIER		PREHEAT COIL
	DEW POINT SENSOR & TRANSMITTER		REHEAT COIL
	THERMOSTAT		PRESSURE SENSOR & TRANSMITTER
	HUMIDISTAT		EF FMN SWITCH
	LEVEL SWITCH		CO SENSOR
	DAMPER ACTUATOR		VOC SENSOR
	TEMPERATURE SENSOR		NO2 SENSOR

HEATING, VENTILATION AND AIR CONDITIONING



EQUIPMENT IDENTIFICATION

AC	AIR CONDITIONING UNIT	ACCU	AIR COOLED CONDENSING UNIT
BS	BOILER (STEAM)	BW	BOILER (HOT WATER)
C	AIR COMPRESSOR	CAC	COMPUTER ROOM A/C UNIT
CC	COOLING COIL	CT	COOLING TOWER
D	COMPRESSED AIR DRYER	DH	DOOR HEATER
E	EVAPORATOR REFRIGERATION	EAO	EXHAUST AIR OUTLET
EC	EVAPORATOR CONDENSER	EF	EXHAUST FAN
FAI	FRESH AIR INTAKE	EH	ELECTRIC HEATER
FLC	FINNED-TUBE LINEAR CONVECTOR	FC	FAN COIL
H	HUMIDIFIER	GV	GRAVITY VENTILATOR (ROOF VENTILATOR)
DWH	DOMESTIC WATER HEATER	HC	HEATING COIL
AHU	AIR HANDLING UNIT	DWH-H	DOMESTIC WATER HEATER INSTANTANEOUSLY
M	METER	HX	HEAT EXCHANGER
MAU	MAKE-UP AIR UNIT	MAH	MAKE-UP AIR HEATER
MZ	MULTI-ZONE UNIT	MS	MOISTURE SEPARATOR
GI	GEASE INTERCEPTOR	OI	OIL INTERCEPTOR
PHC	PRE-HEAT COIL	P	PUMP
RC	REFRIGERATION COMPRESSOR OR CHILLER	PRV	PRESSURE REDUCING VALVE
RF	RETURN AIR FAN	RV	RELIEF VALVE
RP	RADIANT PANELS	RHC	REHEAT COIL
SF	SUPPLY FAN	RTU	ROOFTOP UNIT
T	TANK (WITHOUT BUILT-IN HEATER)	SL	SILENCER
TUF	TERMINAL UNIT - FAN	SP	SUBMERSIBLE PUMP
WF	WALL FIN RADIATION	TU	TERMINAL UNIT
SM	SNOW MELTING MANIFOLD	UH	UNIT HEATER
FAC	CABINET FORCE FLOW HEATER	RFH	RADIANT FLOOR HEATING MANIFOLD

ABBREVIATION

A.F.F.	ABOVE FINISHED FLOOR	INV. EL.	INVERT ELEVATION
B.O.D.EL.	BOTTOM OF DUCT ELEVATION	N.C.	NORMALLY CLOSED
B.O.P.EL.	BOTTOM OF PIPE ELEVATION	NFRH	NON-FREEZE ROOF HYDRANT
C.EL.	CENTER LINE OF PIPE ELEVATION	N.I.C.	NOT IN CONTRACT
C.C.	COOLING COIL	N.O.	NORMALLY OPENED
CO	CLEANOUT	O.A.	OUTSIDE AIR
CTE	CONNECT TO EXISTING	O.B.B.	OPPOSED BLADE BALANCING
CW	COLD WATER (DOMESTIC)	O.E.D.	OPEN ENDED DUCT
DWH	DOMESTIC WATER HEATER (STORAGE TANK)	PHC	PREHEAT COIL
DWH-I	DOMESTIC WATER (INSTANTANEOUS)	R.A.	RETURN AIR
E.A.	EXHAUST AIR	RHC	REHEAT COIL
F.F.L.	FINISHED FLOOR LEVEL	RWL	RAINWATER LEADER
F.M.S.	FLOW MEASURING STATION	S.A.	SUPPLY AIR
F.U.	FUXTURE UNITS	T.O.D.	TOP OF DUCT
HW	HOT WATER (DOMESTIC)	T.O.P.	TOP OF PIPE
HWR	HOT WATER RETURN	U.C.	UNDER CUT
		U.S.	UNDER SIDE

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CITY OF TORONTO
Corporate Real Estate Management
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PROJECT TITLE
**CITY OF TORONTO
ACCESSIBILITY UPGRADES**

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9119- 19- 0162 / IBI 122260

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SHEET TITLE
**MECHANICAL LEGEND
SHEET 1 OF 2**

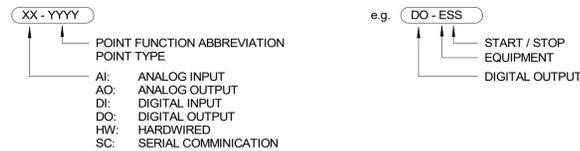
SHEET NUMBER
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ISSUE
D

CONTROLS POINT FUNCTION ABBREVIATION

FIRST LETTER	SECOND LETTER	THIRD LETTER	FOURTH LETTER
A	AIR	A	H-O-A STATUS
C	COMPRESSED GAD	C	CLOSE
D	DAMPER	E	VOLTAGE
E	EQUIPMENT	F	FIRE (ALARM) SMOKE
G	NATURAL GAS	FL	FLOW
L	LIQUID	H	HUMIDITY
S	STEAM	I	CURRENT
V	VALVE	L	LEVEL
M	MISCELLANEOUS	O	OPEN
		OL	OVERLOAD
		OR	OVERRIDE
		P	PRESSURE
		SS	START / STOP
		ST	STATUS
		T	TEMPERATURE
		V	VELOCITY / SPEED
		WT	WINDING TEMPERATURE
		X	POSITION
		Y	SERIAL COMMS

BMS POINT
NOTE: IF AN INSTRUMENT IS NOT DESIGNATED AS A TRANSMITTER "X" OR AN INDICATING TRANSMITTER "Z", IT IS A SENSOR OR SWITCH, DEPENDING ON POINT TYPE.



GENERAL NOTES

- FOR ROOF OPENING AND ROOF CURB DETAILS SEE ARCHITECTURAL DRAWINGS.
- ALL FRESH AIR OR EXHAUST AIR LOUVRES IN BUILDING WALLS BY GENERAL TRADES UNLESS OTHERWISE NOTED. FOR DETAILS SEE ARCHITECTURAL DRAWINGS.
- ALL STORM COLLAR FLASHINGS BY MECHANICAL FOR DETAILS OF FLASHINGS SEE ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND MEASUREMENTS AT THE SITE AND REPORT TO THE OWNER'S REPRESENTATIVE ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THE WORK.
- DIMENSIONS SHOWN ARE FOR PREFERRED LOCATION AND GENERAL ARRANGEMENT OF MECHANICAL SYSTEMS. IT SHALL REMAIN THE CONTRACTORS RESPONSIBILITY TO ENSURE OVERALL COORDINATION OF HIS WORK WITH OTHER TRADES. SHOULD DEVIATION FROM LOCATIONS SHOWN ON DRAWINGS BECOME NECESSARY DUE TO CONFLICTS WITH OTHER TRADES OR LOCAL PROBLEMS THEY MUST BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PROCEEDING WITH WORK. THIS IS THE STANDARD SHEET FORM NOT ALL ITEMS ARE ASSOCIATED WITH THIS PROJECT.
- ALL EXISTING SERVICES TO REMAIN UNLESS NOTED OTHERWISE.
- ALL SYSTEMS TO REMAIN FUNCTIONAL UNLESS PERMISSION FOR SHUTDOWN IS GRANTED BY THE OWNER.

GENERAL NOTES: PLUMBING & DRAINAGE

- ALL SANITARY DRAINS NPS 4 SIZE & LARGER SHALL SLOPE AT 1.0%. ALL SANITARY DRAINS NPS 3 & SMALLER SHALL SLOPE AT 2%.
- ALL PLUMBING, DRAINAGE & VENTING SHALL BE IN CONFORMANCE WITH PART 7 OF THE O.B.C. AND IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
- ALL VENTING AND TRAP SEAL PRIMER NOT SHOWN BUT REQUIRED, SHALL BE BY PLUMBING CONTRACTOR.
- ALL DOMESTIC COLD AND HOT WATER PIPING SHALL BE THERMALLY INSULATED.
- ALL ABOVE GROUND HORIZONTAL RAIN WATER LEADER AND STORM DRAIN SHALL BE THERMALLY INSULATED.

GENERAL NOTES: FIRE PROTECTION

- ALL MATERIAL SHALL BE UNDERWRITER'S LABORATORIES OF CANADA (ULC) LISTED AND SHALL COMPLY WITH THE OWNER'S INSURER'S STANDARDS AND REQUIREMENTS AND LOCAL AUTHORITIES HAVING JURISDICTION.
- FIRE PROTECTION CONTRACTOR TO COORDINATE ON SITE WITH OTHER TRADES BEFORE ANY WORK IS DONE. ANY SERVICE RELOCATION DUE TO INSUFFICIENT COORDINATION TO BE DONE AT NO EXTRA COST TO THE OWNER. BEFORE PROCEEDING WITH WORK, DUCTWORK, PIPING AND ELECTRICAL DRAWINGS TO BE STUDIED BY FIRE PROTECTION CONTRACTOR. SHOP DRAWINGS TO REFLECT COORDINATED ELEVATIONS.
- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF DUCTWORK, PIPING, AND LIGHTING FIXTURES, ETC.
- DETAILED FIRE PROTECTION DESIGN SHOP DRAWINGS TO BE STAMPED BY PROFESSIONAL ENGINEER LICENSED IN ONTARIO AND TO BE SUBMITTED TO CONSULTANT AND AUTHORITY HAVING JURISDICTION FOR REVIEW.
- PROVIDE TYPE ABC FIRE EXTINGUISHERS AS PER ONTARIO FIRE CODE. FINAL LOCATION TO BE COORDINATED ON FIELD.
- FIRE PROTECTION CONTRACTOR TO PROVIDE PIPE HANGERS AS PER NFPA 13.
- FIRE PROTECTION SYSTEM SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13.
- CONTRACTOR TO CONDUCT FLOW TEST AND USE THE RESULTS FOR HYDRAULIC CALCULATIONS.
- HYDRAULIC CALCULATION SHALL START AT FIRE MAIN BUILDING CONNECTION. MAXIMUM SYSTEM PRESSURE TO BE 35KPA (5 PSI) LESS THAN THE PRESSURE TEST RESULT AT REQUIRED FLOW RATE. TO ACCOUNT FOR FUTURE FLUCTUATION IN WATER SUPPLY PRESSURE.
- PIPE DIMENSIONS TO BE DETERMINED BY THE RESULTS OF HYDRAULIC CALCULATION.
- SPRINKLER SYSTEMS TO BE HYDRAULICALLY DESIGNED TO DELIVER THE DENSITIES OVER THE MOST REMOTE AREA AS LISTED IN THE SCHEDULE.
- SPRINKLER COVERAGES INDICATED ARE TO BE CONFIRMED BY FIRE PROTECTION CONTRACTOR.
- PROVIDE SPRINKLER PROTECTION UNDER ALL PLATFORMS INCLUDING BUT NOT LIMITED TO CONVEYORS, STAIRS, CATWALKS, SHELVING PLATFORMS, OVERHEAD DOORS, MEZZANINES, DUCTS OR ANY OBSTRUCTIONS WIDER THAN 1200MM.
- SPRINKLER SHOWN ARE FOR COORDINATION PURPOSE ONLY. FINAL LOCATION OF THE SPRINKLERS TO BE DETERMINED BY FIRE PROTECTION CONTRACTOR BASED ON HYDRAULIC CALCULATIONS.
- USE UPRIGHT SPRINKLER IN SPACE WITHOUT CEILING.
- LOCATE SPRINKLER HEADS IN THE CENTRE OF CEILING TILES.
- SPRINKLER HEAD LOCATION TO BE COORDINATED WITH ARCHITECT PRIOR TO SHOP DRAWING PRODUCTION.
- PIPING AND SPRINKLER HEADS MARKED FOR DEMOLITION TO BE REMOVED AND DISPOSED OF FROM SITE UNLESS OTHERWISE NOTED.
- REFER TO EXISTING SHOP DRAWINGS.
- ALL EXISTING SPRINKLERS TO BE ADJUSTED TO SUIT NEW BUILDING LAYOUT IN ACCORDANCE WITH NFPA 13.
- PROVIDE FIRE WATCH DURING SHUT DOWN.

GENERAL NOTES: HVAC

- ALL DUCTWORK TO BE INSTALLED TO LOW-PRESSURE DUCTWORK TO S.M.A.C.N.A. STANDARDS.
- DUCTWORK: FABRICATED OF PRIME QUALITY GALVANIZED STEEL SHEETS WITH Z275 (G90) DESIGNATION ZINC COATING TO ASTM A653/A653M
- ALL DUCTWORK C/W SEAL CLASS 'A' AS PER S.M.A.C.N.A. STANDARDS.
- ALL EXHAUST DUCTWORK SHALL BE THERMALLY INSULATED FOR 1500mm BEFORE EXITING THE BUILDING ENVELOPE.
- ALL FLEXIBLE DUCT TO BE MAXIMUM 3000MM LONG AND INSULATED.
- ALL SUPPLY AIR DUCTWORK INSIDE CEILING SPACE SHALL BE THERMALLY INSULATED.
- ALL REFRIGERANT LINES SHALL BE THERMALLY INSULATED.
- ALL CONDENSATE DRAIN SHALL BE THERMALLY INSULATED.
- ALL CONTROL WIRING SHALL BE FT-6 RATED.

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CONSULTANTS

SEAL

PRIME CONSULTANT



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ACCESSIBILITY UPGRADES**

PROJECT ADDRESS

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9119- 19- 0162 / IBI 122260

DRAWN BY: K.DURUKAN	CHECKED BY: B.LIAO
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PROJECT MGR: F.BOLOURIAN	APPROVED BY: S. LIU
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SHEET TITLE
**MECHANICAL LEGEND
SHEET 2 OF 2**

SHEET NUMBER G28-GAL-G3002	ISSUE D
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