LEGEND

- DENOTES DEMOLITION
- DENOTES NEW WORK
- DENOTES EXISTING WORK
- WASTE
- VENT PIPING
- COLD WATER
- HOT WATER
- PIPE UP
- PIPE DOWN
- ISOLATION VALVE
- BALANCE VALVE
- UNION

- 5 / M2.1 — DETAIL NUMBER / SHEET LOCATED ON
- DIRECTION OF VIEW
- 5 / M2.1 — SECTION NUMBER / SHEET LOCATED ON
- TAG — SHEET NOTES
- X CONNECTION CFM — NECK SIZE / CFM / DIFFUSER OR GRILLE TYPE
- T — THERMOSTAT
- SUPPLY AIR UP AND DOWN
- RETURN AIR UP AND DOWN
- VOLUME DAMPER
- 12/24 — DUCT SIZE (FIRST FIGURE – SIDE SHOWN) (SECOND FIGURE – SIDE NOT SHOWN)
- FLEXIBLE DUCT
- POINT OF CONNECTION

ABBREVIATIONS

ADA	AMERICAN WITH DISABILITIES ACT GUIDELINES
AC–X	AIR CONDITIONER DESIGNATOR
ARCH	ARCHITECTURAL
CFM	CUBIC FEET PER MINUTE
CU–X	CONDENSING UNIT DESIGNATOR
CUH	CABINET UNIT HEATER
CV–X	CONVECTOR DESIGNATOR
CW Ø	COLD WATER
DIA/	DIAMETER
DEG	DEGREE
DN	DOWN
EFF	EFFICIENCY
EXIST/(E)	EXISTING
F	FAHRENHEIT
FT	FEET
FT–X	FINTUBE DESIGNATOR
FW	FORCED WASTE
HP–X	HEAT PUMP DESIGNATOR
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HW	HOT WATER
LS–X	LIFT STATION DESIGNATOR
MIN	MINIMUM
NC	NOISE CRITERIA
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
P–X	PLUMBING FIXTURE DESIGNATOR
PSIG	POUNDS PER SQUARE INCH, GAGE
R/A	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
S/A	SUPPLY AIR
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
V	VENT
VAV–X	VARIABLE AIR VOLUME BOX DESIGNATOR
VTR	VENT THRU ROOF
W/	WITH
W.C.	WATER COLUMN
WHA	WATER HAMMER ARRESTOR
WCO	WALL CLEAN OUT

PLUMBING FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	MODEL	DESCRIPTION	MOUNTING	CW	HW	WASTE	VENT	TRAP	COLOR	TRIM/REMARKS
P–1	ELKAY	HD335692	LAB SINK	UNDERMOUNT	1/2"	1/2"	1–1/2"	1 1/2"	1 1/2"	STAINLESS	20"x15–1/2" UNDERMOUNT SINK, MOUNT FAUCET TO COUNTER, CHICAGO FAUCET 50–ABCP, GRID STRAINER, PROVIDE WITH UNDERCOUNTER MOUNTING HARDWARE, DISHWASHER AIR GAP WHERE REQUIRED
P–2	ELKAY	ELUHAD131655	LAB SINK – ADA	UNDERMOUNT	1/2"	1/2"	1–1/2"	1 1/2"	1 1/2"	STAINLESS	16"x18–1/2" UNDERMOUNT SINK, MOUNT FAUCET TO COUNTER, CHICAGO FAUCET 50–ABCP, GRID STRAINER, PROVIDE WITH UNDERCOUNTER MOUNTING HARDWARE, INSTALL PER ADA ACCESSIBILITY REQUIREMENTS.

PUMP SCHEDULE

SYMBOL	MANUFACTURER/MODEL	FUNCTION	PUMPED MEDIUM	GPM	HEAD FT.	MOTOR DATA HP/VOLTS/PH	REMARKS
LS–1	ZOELLER / MODEL 105	SINK LIFT STATION	WATER	19	15	1/3HP/120/1	ZOELLER DRAIN PUMP SERIES MODEL 105, CONTAINMENT BASIN, 1–1/2" DISCHARGE W/ CHECK VALVE, 2" VENT, 9' UL LISTED 3 WIRE CORD AND PLUG, PROVIDE W/ TWO 1–1/2" COMPRESSION SLIP FIT FOR TOP AND SIDE INTAKE

UNITARY AIR CONDITIONER UNIT SCHEDULE

SYMBOL	MFGR/MODEL	LOCATION	COOLING NET CAPACITY	REFR. TYPE	FAN MOTOR & COMPRESSOR MCA	MAX FUSE	POWER	REMARKS
AC–1	MOVINCOOL/CM–12	AV ROOM	10,500 BTU	R410A	11.9	15 A	120/60/1	INTEGRAL CONDENSATE PUMP, EXHAUST AIR FLANGE, PROVIDE WITH 4 WIRE AUTO CHANGE OVER HEATING/COOLING THERMOSTAT.

FINTUBE RADIATION SCHEDULE

SYMBOL	MANUFACTURER	MODEL	# ROWS	ELEMENT	FPF	ENCLOSURE	GPM	MEDIUM	EWT DEG F	LWT DEG F	EAT DEG F	BTU/LF	REMARKS
FT–1	RITTLING	FS5	1	4–1/4"x4–1/4" FINS, 3/4" COPPER PIPE	48	14"	PER PLANS	WATER	180	160	65	1290	DARK GRAY SLOPED ENCLOSURE, MOUNT ENCLOSURE 4" ABOVE FINISHED FLOOR.

CONVECTOR SCHEDULE

SYMBOL	MANUFACTURER/MODEL	CAPACITY MBH	GPM	MEDIUM	EWT DEG F	LWT DEG F	WPD FT HD	REMARKS
CV–1	RITTLING/ SF	4.3	0.5	WATER	180	160	0.1	FLOOR MOUNTED, SLOPE TOP, 28" LENGTH, 20" HEIGHT, 4" DEPTH

VAV BOX SCHEDULE

			MIN	MAX		APD	HOT WATER HEATING COIL								
SYMBOL	MANUFACTURER/MODEL	INLET SIZE	CFM	CFM	MEDIUM	IN WC	CFM	WPD (FT)	EAT (F°)	LAT (°F)	FLOW (GPM)	EWT (°F)	LWT (°F)	ROWS	REMARKS
VAV–1	TITUS/DESV	10"	240	800	WATER	<0.5	240	<3	65	100	0.5	180	150	1	PRESSURE INDEPENDENT VAV BOX W/CONTROL ENCLOSURE, MANUFACTURER INSTALLED CONTROLS, FIELD FABRICATED SOUND LINED MULTI–OUTLET PLENUM.
VAV–2	TITUS/DESV	14"	330	1100	WATER	<0.5	330	<3	65	100	1.0	180	150	1	PRESSURE INDEPENDENT VAV BOX W/CONTROL ENCLOSURE, MANUFACTURER INSTALLED CONTROLS, FIELD FABRICATED SOUND LINED MULTI–OUTLET PLENUM.
VAV–3	TITUS/DESV	14"	300	1000	WATER	<0.5	300	<3	65	100	1.0	180	150	1	PRESSURE INDEPENDENT VAV BOX W/CONTROL ENCLOSURE, MANUFACTURER INSTALLED CONTROLS, FIELD FABRICATED SOUND LINED MULTI–OUTLET PLENUM.
VAV–4	TITUS/DESV	10"	195	650	WATER	<0.5	195	<3	65	100	0.5	180	150	1	PRESSURE INDEPENDENT VAV BOX W/CONTROL ENCLOSURE, MANUFACTURER INSTALLED CONTROLS, FIELD FABRICATED SOUND LINED MULTI–OUTLET PLENUM.

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