

SINGLE HVAC SPLIT SYSTEM SCHEDULE																	
TAG		COOLING TONS	TOTAL COOLING (BTUH)	SEER	REFRIGERANT	TOTAL HEATING	INDOOR UNIT			OUTDOOR UNIT		ELECTRICAL		BASIS OF DESIGN		NOTES	
INDOOR	OUTDR						CFM	HMED/DLW	LOCATION	FILTER	LOCATION	FAN	VOLTS/PHZ	FLA	INDOOR MODEL		OUTDOOR MODEL
AC-1	CU-3	2	25,200	17	134a	—	559/475/390	IT ROOM	WASHABLE	ROOF	PROP.	208/1ø/60	16.9	PANASONIC S-26PK1UE	PANASONIC U-26PS1UE	1,2,3,4,5	

- NOTES:
- 1) LOW AMBIENT CONTROL, MICROPROCESSOR CONTROLS.
 - 2) PROVIDE THERMOSTAT, (WEATHER DUFFY) DISCONNECT SWITCH, REMOTE CONTROLLER.
 - 3) PROVIDE INDOOR WALL SUPPORT, INSTALL PER MANUFACTURER RECOMMENDATION.
 - 4) PROVIDE OUTDOOR, SUPPORT SIMILAR TO THYBAR MODEL TEM-3 12" HIGH.
 - 5) PROVIDE PROPERLY SIZED REFRIGERANT LINE SET, INSTALL PER MANUFACTURER RECOMMENDATION.

KEY HVAC NOTES:

- 1) PROVIDE AND INSTALL NEW ROOF TOP UNIT COMPLETELY WITH ELECTRICAL, CONTROLS, ROOF CURB AND S.A./R.A. DUCTWORK THRU ROOF. EXTEND NEW NG PIPE (BY PLUMBING TRADE) TO SERVE NEW RTU.
- 2) PROVIDE AND INSTALL NEW GAS FIRED UNIT HEATER COMPLETELY WITH ELECTRICAL, CONTROLS, EXTEND NEW 4" FLUE THRU ROOF WITH A MINIMUM OF 3'-0" AWAY FROM PARAPET WALL. TERMINATE 3'-0" ABOVE ROOF WITH RAIN CAP. EXTEND NEW NG PIPE (BY PLUMBING TRADE) TO SERVE NEW SH-1 AND SH-2.
- 3) PROVIDE AND INSTALL NEW GAS FIRED INTRA-RED HEATER COMPLETELY WITH ELECTRICAL, CONTROLS, EXTEND NEW 4" FLUE/COMBUSTION AIR THRU ROOF WITH A MINIMUM OF 3'-0" AWAY FROM PARAPET WALL. TERMINATE 3'-0" ABOVE ROOF WITH RAIN CAP. EXTEND NEW NG PIPE (BY PLUMBING TRADE) TO SERVE NEW SH-1 AND SH-2.

- 4) PROVIDE AND INSTALL NEW ELECTRIC CABINET UNIT HEATER COMPLETELY WITH ELECTRICAL, CONTROLS.
- 5) PROVIDE AND INSTALL NEW SHP VFD FOR EXISTING MAU-3. INTERLOCK WITH EXISTING EF-4 AND NEW CO/NO2 CONTROL PANEL.
- 6) PROVIDE AND INSTALL NEW EXHAUST FAN (EF-1 AND EF-1A) COMPLETELY WITH ELECTRICAL, CONTROLS, EXTEND NEW E.A. DUCTWORK AND TERMINATE WITH E.A. GRILLES, BALANCE AS INDICATED. INTERLOCK EF-1 AND EF-1A WITH CO/NO2 SENSORS AND OUTSIDE AIR LOUVER/MOTORIZED DAMPER. LOCATE EF-1 AND EF-1A ON PLATFORM (BY ARCHITECTURAL TRADE).
- 7) PROVIDE AND INSTALL NEW OUTSIDE AIR LOUVER (L-1) COMPLETELY WITH MOTORIZED DAMPER, LOCATE AT 18" ABOVE GROUND. INTERLOCK WITH EF-1.
- 8) PROVIDE AND INSTALL NEW EXHAUST AIR LOUVER (L-1) AT 5' A.F.F.
- 9) PROVIDE AND INSTALL NEW SPLIT SYSTEM FURNACE-CONDENSER UNIT COMPLETELY WITH ELECTRICAL, CONTROLS, FLUE PIPE THRU ROOF, EXTEND NEW CONDENSATE LINE FROM FURNACE AND TERMINATE ABOVE FLOOR DRAIN (BY PLUMBING TRADE).
- 10) PROVIDE AND INSTALL NEW 4" DRYER EXHAUST, EXTEND UP THRU ROOF AND TERMINATE WITH ROOF CAP.
- 11) EXTEND NEW S.A./R.A. DUCTWORK FROM EXISTING RTU-1 AND MAU-1,2,3. TERMINATE WITH OUTLETS AND GRILLES, BALANCE AS INDICATED.
- 12) PROVIDE AND INSTALL NEW 15 HP VARIABLE FREQUENCY DRIVE (VFD) FOR EXISTING MAU-2/3 FAN. INTERLOCK MAU-2/3 VFD AND EXISTING EXHAUST FANS EF-1/EF-2 AND WITH CO/NO2 SENSORS.
- 13) VERIFY CONDITION OF EXISTING RTU-3, MAU-1,2,3. CLEAN COILS, CHANGE FILTERS, TIGHTEN FAN'S BELTS, ETC.
- 14) PROVIDE AND INSTALL NEW TLT ROOM EXHAUST FAN COMPLETELY WITH ELECTRICAL, CONTROLS, E.A. DUCTWORK THRU WALL. TERMINATE WITH WALL CAP.
- 15) PROVIDE AND INSTALL STORAGE BUILDING NEW CO/NO2 EXHAUST SYSTEM COMPLETELY WITH EF-5, E.A. DUCTWORK WITH HIGH/LOW E.A. GRILLES, CO/NO2 SENSORS AND CONTROL PANEL.
- 16) PROVIDE AND INSTALL NEW ROOFED ROOF CAP (MODEL GREENWICK ROC-7 OR EQUAL), EXTEND NEW 6" O.D. DUCT TO SERVE NEW FURNACE, BALANCE AS INDICATED.
- 17) PROVIDE AND INSTALL NEW SHIP SHOP EXHAUST FAN COMPLETELY WITH ELECTRICAL, CONTROLS, EXTEND NEW 10" E.A. DUCT UP THRU ROOF AND TERMINATE WITH ROOF CAP.
- 18) PROVIDE AND INSTALL NEW DUST COLLECTOR (MODEL CYCLONE 3624 OR EQUAL) COMPLETELY WITH ELECTRICAL, CONTROLS.
- 19) PROVIDE AND INSTALL NEW CAR WASH EXHAUST FAN (EF-4) WITH VFD COMPLETELY WITH 30" ROOF CURB, ELECTRICAL, CONTROLS, ALUMINUM DUCT THRU ROOF. TERMINATE DUCT WITH E.A. GRILLES, BALANCE AS INDICATED. INTERLOCK EF-4 WITH CO/NO2 SENSORS WITH MANUAL SWITCH/FAN OVERRIDE.
- 20) PROVIDE AND INSTALL NEW CAR WASH INTERLOCK DAMPER WITH EF-4, LOCATE AT 18" BELOW ROOF.
- 21) VERIFY CONDITION OF EXISTING EF-1, EF-2, EF-3, EF-4, EF-5, EF-6, TIGHTEN BELTS, ADJUST SHAFTS AND PULLEYS AS NECESSARY. INTERLOCK EF-4 WITH CO/NO2 SENSORS WITH MANUAL SWITCH/FAN OVERRIDE.
- 22) EXTEND NEW EXHAUST AIR DUCTWORK FROM EXISTING EF-4, TERMINATE WITH HIGH/LOW E.A. GRILLES, BALANCE AS INDICATED.
- 23) PROVIDE AND INSTALL NEW ELECTRIC UNIT HEATER COMPLETELY WITH ELECTRICAL, CONTROLS.
- 24) DISCONNECT AND REMOVE EXISTING SPLIT SYSTEM CONDENSER MAU-AC UNIT COMPLETELY WITH ELECTRICAL, CONTROLS, RETURN UNITS TO THE OWNER.
- 25) PROVIDE AND INSTALL NEW SPLIT SYSTEM CONDENSER (CU-3) ON ROOF AND AC UNIT (AC-1) IN IT ROOM COMPLETELY WITH ELECTRICAL, CONTROLS.
- 26) EXTEND NEW REFRIGERANT PIPING BETWEEN NEW CU-3 AND AC-1. EXTEND NEW CONDENSATE PIPING FROM AC-1 TO NEAREST FLOOR DRAIN OR MOP SINK (BY PLUMBING TRADE).



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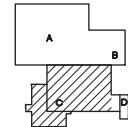
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6-21-2017	DESIGN DEVELOPMENT
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KEY PLAN

Drawn:	MS	Designed:	MS
Checked:		Approved:	
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FIRST FLOOR PLAN - AREA C

Sheet Number: M-103

Director/Library

Director/Restrooms

Cubicle Area

Fleet Manager

Huddle/Restrooms

Conference Room 1

Lunch Room

Water/Sewage

Field Operation



FIRST FLOOR HVAC PLAN - AREA "C"

SCALE: 1/8" = 1'-0"