

DUCTWORK PLAN GENERAL NOTES

1. UOI, DUCTWORK SHALL BE MOUNTED AS HIGH AS POSSIBLE, EXCEPT THAT DUCTWORK HEIGHT SHALL BE ADJUSTED AS NECESSARY FOR THE PROPER INSTALLATION OF EQUIPMENT, PIPING, AND CONDUIT
2. UOI, FLEXIBLE DUCTS ARE ALLOWED ONLY AT CONNECTIONS TO DIFFUSERS AND GRILLES. FLEXIBLE DUCTS SHALL BE MAXIMUM 5'-0" LONG, SHALL BE LOCATED ABOVE ACCESSIBLE CEILINGS ONLY, AND SHALL BE SUSPENDED OFF OF THE CEILING.
3. WHERE BRANCH DUCT SIZES TO DIFFUSERS AND GRILLES ARE NOT INDICATED, SEE THE BRANCH DUCT COLUMN OF THE DIFFUSER AND GRILLE SCHEDULE
4. WHERE VOLUME DAMPERS ARE INACCESSIBLE, PROVIDE WORM GEAR DRIVE AND CABLE ASSEMBLIES SIMILAR TO METROPOLITAN AIR TECHNOLOGIES ROTOTWIST MODEL RT-200/250 SERIES WITH MODEL RT-CCR CEILING CAP. TO THE GREATEST EXTENT POSSIBLE, GROUP CEILING CAPS IN SPACES SUCH AS STORAGE ROOMS, CLOSETS, JANITORS ROOMS, MECHANICAL/ELECTRICAL ROOMS, ETC.
5. DUCTWORK VISIBLE THROUGH THE FACE OF DIFFUSERS, GRILLES, AND LOUVERS SHALL BE PAINTED BLACK
6. EXPOSED ROUND DUCTWORK SHALL BE SPIRAL LOCKSEAM TYPE
7. DUCTWORK DIMENSIONS INDICATED ARE INSIDE CLEAR DIMENSIONS

PIPING PLAN GENERAL NOTES

1. UOI, BRANCH PIPES TO TERMINAL UNITS SHALL BE AS FOLLOWS:

GPM	BRANCH PIPES	GPM	BRANCH PIPES
0.0 TO 3.0	3/4"	19.1 TO 40.0	2"
3.1 TO 7.0	1"	40.1 TO 70.0	2-1/2"
7.1 TO 12.0	1-1/4"	70.1 TO 120.0	3"
12.1 TO 19.0	1-1/2"	120.1 TO 250.0	4"
2. GRAVITY DRAIN COOLING COIL CONDENSATE PIPING SHALL BE PITCHED DOWNWARD TO DRAIN AT MINIMUM 1/4" PER FOOT. COOLING COIL CONDENSATE PIPING WITHIN THE BUILDING SHALL TERMINATE ABOVE AN INDIRECT WASTE RECEIVER, WITH A MINIMUM 2" AIR GAP ABOVE THE FLOOD RIM OF THE RECEIVER. JANITORS SINKS AND LAUNDRY TUBS MAY BE USED AS RECEIVERS. WHERE THERE ARE NO JANITORS SINKS OR LAUNDRY TUBS WITHIN THE VICINITY FOR PROPER GRAVITY DRAINAGE, PROVIDE TRAPPED, VENTED, AND PRIMED INDIRECT WASTE RECEIVERS CONNECTED TO THE BUILDING PLUMBING SYSTEM AS REQUIRED.

HVAC DEMOLITION GENERAL NOTES

1. ALL DEMOLITION WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE NATIONAL, STATE AND LOCAL CODES, LAWS AND ORDINANCES.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND FILING ALL PLANS, SPECIFICATIONS AND OTHER DOCUMENTS, PAY ALL REQUISITE FEES AND SECURE ALL PERMITS, INSPECTIONS AND APPROVALS NECESSARY FOR THE LEGAL INSTALLATION AND OPERATION OF THE SYSTEM AND/OR EQUIPMENT FURNISHED UNDER THIS SECTION OF THE SPECIFICATIONS.
3. INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, APPLIANCES AND SERVICES NECESSARY TO REMOVE AND DISPOSE OF ALL EXISTING HVAC SYSTEM
4. PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL VISIT THE PROJECT SITE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND TO DETERMINE THE EXTENT OF WORK TO REMOVE THE EXISTING HVAC SYSTEM COMPLETELY. IF DISCREPANCIES EXIST BETWEEN DRAWINGS AND/OR SITE CONDITIONS, THE HVAC CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OWNER PRIOR TO SIGNING OF CONTRACT. REQUESTS FOR COMPENSATION FOR EXTRA WORK, WHICH WOULD HAVE BEEN EVIDENT BY COMPLIANCE WITH THE PREVIOUS STATEMENT, WILL NOT BE CONSIDERED.
5. EQUIPMENT AND DUCTWORK LAYOUTS ON THIS DRAWING ARE DIAGRAMMATIC ONLY AND SHALL NOT BE CONSTRUED AS BEING 100% ACCURATE. WHERE ITEMS ARE SHOWN TO BE DEMOLISHED OR ALTERED ON THESE PLANS THAT ARE NOT REPRESENTED ACCURATELY, THE DEMOLITION SUBCONTRACTOR SHALL ISSUE FORMAL RFIS AS REQUIRED PRIOR TO COMPLETING THE REQUIRED WORK.
6. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR DEMOLITION WORK. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION PHASE PRIOR TO REMOVING ANY PIECE OF EQUIPMENT OR PIPING.
7. WHERE VOIDS OR OPENINGS IN THE DUCTWORK ARE FOUND AND ARE NOT SPECIFICALLY SHOWN TO BE CAPPED OR PATCHED, IT SHALL BE THE INTENT OF THIS DEMOLITION PLAN THAT CAPPING AND PATCHING IS COMPLETED TO PROVIDE A CLOSED/SEALED SUPPLY AIR SYSTEM TO ACCOMMODATE THE NEW WORK.
8. DEMOLITION OF ALL OTHER COMPONENTS SHALL INCLUDE PLACEMENT INTO CONTAINER, REMOVAL FROM SITE AND PROPER DISPOSAL OF, WITH PERMITS AND FEES INCLUDED. REFER TO NEW FLOOR PLANS FOR EXISTING SYSTEMS BEING USED UNDER THE NEW CONSTRUCTION. ALL SYSTEMS FOUND TO BE ABANDONED ARE TO BE REMOVED.
9. COORDINATE ALL SHUT-DOWNS, TIE-INS, ETC., WITH THE G.C. ELECTRICAL MAKE-SAFE OF HVAC EQUIPMENT REQUIRING DEMOLITION SHALL BE COMPLETED BY THE ELECTRICAL SUBCONTRACTOR.
10. DEMOLITION SUBCONTRACTOR MUST PROTECT EXISTING SLAB, WALL, FENCING AND BUILDING STRUCTURE DURING DEMOLITION PHASE. DAMAGE TO EXISTING STRUCTURE SHALL BE REPAIRED AT DEMOLITION SUBCONTRACTORS EXPENSE.
11. PRIOR TO START OF DEMOLITION WORK, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE IF ANY EQUIPMENT CALLED TO BE DISPOSED ON THE PLAN SHALL BE RETURNED TO THE OWNER AND STORED PER OWNERS REQUEST.

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
AH	AIR HANDLER
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
ATC	AUTOMATIC TEMPERATURE CONTROL
AWT	AVERAGE WATER TEMPERATURE
B	BOILER
BHP	BREAK HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU/HOUR
BMS	BUILDING MANAGEMENT SYSTEM
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CNV	CONNECTOR
COP	COEFFICIENT OF PERFORMANCE
CRD	CEILING RADIATION DAMPER
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
dB	DECIBELS
DAH	DUCTLESS AIR HANDLER
DHP	DUCTLESS HEAT PUMP
DN	DOWN
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE (DRY BULB)
EBB	ELECTRIC BASEBOARD
E.C.	ELECTRICAL CONTRACTOR
EDB	ENTERING DRY BULB TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EH	ELECTRIC HEATER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EWB	ENTERING WET BULB TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
F	DEGREES FAHRENHEIT
FD	FIRE DAMPER
FN	FURNACE
FSD	COMBINATION FIRE/SMOKE DAMPER
FT	FEET
FT WG	FEET WATER GAUGE
FLA	FULL LOAD AMPS
PFM	FEET PER MINUTE
G.C.	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HEPA	HIGH EFFICIENCY PARTICULATE ARRESTANCE
HP	HORSEPOWER
HSPF	HEATING SEASON PERFORMANCE FACTOR
HW	HOT WATER
IN	INCHES
IPLV	INTEGRATED PART LOAD VALUE
IN WG	INCHES WATER GAUGE
KW	KILOWATTS
L	LOUVER
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MEH	THOUSANDS OF BTU / HOUR
M.C.	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MOP	MAXIMUM OVERCURRENT PROTECTION
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE (DRY BULB)
ODB	OUTSIDE DRY BULB TEMPERATURE
OWB	OUTSIDE WET BULB TEMPERATURE
P	PUMP
PH	PHASE
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAUGE
QTY	QUANTITY
RE	REMOVE EXISTING
RF	RETURN FAN
RPM	REVOLUTIONS PER MINUTE
RPZB	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
RTU	ROOFTOP UNIT
SD	SMOKE DAMPER
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SUPPLY FAN
SP	STATIC PRESSURE
SPD	STATIC PRESSURE DROP
SST	SATURATED SUCTION PRESSURE
TF	TRANSFER FAN
TSP	TOTAL STATIC PRESSURE
TYH	TYPICAL
UH	UNIT HEATER
UOI	UNLESS OTHERWISE INDICATED
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
WPD	WATER PRESSURE DROP

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	DUCTWORK (DOUBLE LINE)
	DUCTWORK WITH ACOUSTICAL LINING (DOUBLE LINE)
	DUCTWORK (SINGLE LINE)
	DUCTWORK WITH ACOUSTICAL LINING (SINGLE LINE)
	FLEXIBLE DUCTWORK
	DUCTWORK, PIPING AND EQUIPMENT TO BE DEMOLISHED
	RECTANGULAR/ROUND SUPPLY AIR DUCTWORK UP
	RECTANGULAR/ROUND RETURN AIR DUCTWORK UP
	RECTANGULAR/ROUND EXHAUST AIR DUCTWORK UP
	RECTANGULAR/ROUND SUPPLY AIR DUCTWORK DOWN
	RECTANGULAR/ROUND RETURN AIR DUCTWORK DOWN
	RECTANGULAR/ROUND EXHAUST AIR DUCTWORK DOWN
	VOLUME DAMPER
	CONTROL DAMPER
	FIRE DAMPER OR CEILING RADIATION DAMPER
	SMOKE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	GRAVITY BACKDRAFT DAMPER
	HOT WATER SUPPLY PIPING
	HOT WATER RETURN PIPING
	ELBOW UP
	ELBOW DOWN
	TEE DOWN
	TEE UP
	PIPE GUIDE
	PIPE ANCHOR
	FLOW DIRECTION
	PIPE CLEANOUT
	CONNECT TO EXISTING
	AIR ENTERING OPENING
	AIR LEAVING OPENING
	THERMOSTAT OR TEMPERATURE SENSOR
	CONTROL CONNECTION

TAG LEGEND

EQUIPMENT (REQUIRING POWER)		EQUIPMENT DESIGNATION NUMBER
EQUIPMENT (NON-POWERED)		EQUIPMENT DESIGNATION NUMBER
REGISTERS, GRILLES & DIFFUSERS		TYPICAL FOR # DESIGNATION BALANCE TO CFM INDICATED
SECTION CALL-OUT		DESIGNATION DRAWING REFERENCE

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Architecture - Project Management - Interior Design

Project

**RHODE ISLAND
ARMY NATIONAL
GUARD**



**WARWICK LATRINES
MODERNIZATION**

**541 AIRPORT ROAD,
WARWICK, RI 02886**

Drawing Status

**ISSUED FOR
CONSTRUCTION**

Issued On 20 MARCH 2018

Sheet Contents

**MECHANICAL LEGENDS,
ABBREVIATIONS AND
NOTES**

Project Number.

Drawing No.

M000

Sheet of

DIFFUSER AND GRILLE SCHEDULE					
GENERAL		PHYSICAL		REMARKS	
TAG	BLOW PATTERN	MANUFACTURER MODEL	TYPE	FEATURES	INSTALL
S2W	2W	PRICE MODEL AMX	①	① ②	① ② ③
S3W	3W	PRICE MODEL AMX	①	① ②	① ② ③
S4W	4W	PRICE MODEL AMX	①	① ②	① ② ③
R-1	RETURN	PRICE MODEL 635	②	①	① ② ③
① LOUVERED HIGH INDUCTION DIRECTIONAL CEILING DIFFUSER, SQUARE/RECTANGULAR NECK & FACE, ALUMINUM CONSTRUCTION, WHITE FINISH. ② RETURN/EXHAUST GRILLE, 45° FIXED BLADES ON 1/2" CENTERS, BLADES PARALLEL TO LONG DIMENSION, ALUMINUM, WHITE ③ CEILING MOUNT, PROVIDE LAY-IN T-BAR PANEL FOR LOUVERED DIFFUSERS, REGISTERS AND GRILLES IN ACT CEILINGS, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR MOUNTING TYPE ④ INSULATED BACK PAN ⑤ REFER TO ARCHITECTURAL DRAWINGS TO CONFIRM MOUNTING TYPE ⑥ PROVIDE A DUCT MOUNTED VOLUME DAMPER EXCEPTIONS: • TRANSFER AIR APPLICATIONS (GRILLE IS NOT CONNECTED BY A DUCTWORK SYSTEM TO A FAN) • EXHAUST AND RETURN GRILLES WHERE ONLY ONE GRILLE SERVES THE FAN/AIR HANDLING SYSTEM ⑦ REFER DETAIL					
PATTERN LEGEND			TAG LEGEND		

FAN SCHEDULE																	
GENERAL			PERFORMANCE					ELECTRICAL				PHYSICAL		REMARKS			
TAG	LOCATION	SERVICE	CFM	ESP (IN WG)	FAN RPM	BHP	SONES	FLA	HP	VOLTAGE	PHASE	WEIGHT (LBS)	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
EF-2	BUILDING 1 ROOF	TOILET EXHAUST	1025	.50	1505	-	8.5	5.8	1/4	115	1	63.0	GREENHECK G-103-A	①	①	① ② ③ ④ ⑤	①
EF-4	BUILDING 3 SIDEWALL	TOILET EXHAUST	975	.75	1591	-	9.6	8.5	1/4	115	1	58.0	GREENHECK CW-101-A	②	①	② ③ ④ ⑤	①
EF-9	BUILDING 1 ROOF	JANITOR CLOSET EXHAUST	75	-.25	1382	-	2.8	-	1/60	115	1	33.0	GREENHECK G-060-D	①	①	① ② ③ ④ ⑤	①
EF-10	BUILDING 1 ROOF	TOILET EXHAUST	250	.25	1478	-	4.1	-	1/30	115	1	34.0	GREENHECK G-070-D	①	①	① ② ③ ④ ⑤	①
① CENTRIFUGAL ROOF EXHAUSTER, DOWNBLAST, DIRECT DRIVE ② CENTRIFUGAL WALL EXHAUSTER, DIRECT DRIVE ③ AIR PERFORMANCE CERTIFIED IN ACCORDANCE TO AMCA 211 ④ SOUND PERFORMANCE CERTIFIED IN ACCORDANCE TO AMCA 311 ⑤ ROOF CURB WITH RUBBER SEAL ⑥ NON-FUSED DISCONNECT SWITCH ⑦ GRAVITY BACKDRAFT DAMPER ⑧ BIRDSCREEN ⑨ UNIT MOUNTED SPEED CONTROLLER ⑩ INSTALL PER MANUFACTURERS INSTRUCTIONS																	

HYDRONIC FIN TUBE SCHEDULE																	
GENERAL		PERF.	PHYSICAL								REMARKS						
TAG	LOCATION	BTUH PER FOOT	ENCLOSURE		MOUNTING HEIGHT (IN)	TIERS		ELEMENT			MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL		
				WIDTH (IN)	HEIGHT (IN)	NUMBER	CENTERS (IN)	TUBE SIZE (IN)	FIN WIDTH (IN)	FIN HEIGHT (IN)	FINS PER FT						
FTR-1	FAMILY RR-148	630	3-1/8"	10-11/16"	-	1.0	-	3/4"	2-3/4"	2-1/2"	60	STERLING LB2	①	①	①	① ②	
① LIGHT COMMERCIAL SLOPE TOP ② 170°F AVERAGE WATER TEMPERATURE ③ COPPER TUBE, 0.010" THICK ALUMINUM FINS ④ 16 GAUGE STEEL ENCLOSURE WITH FULL BACK PLATE ⑤ BAKED ENAMEL FINISH, COLOR SELECTABLE BY ARCHITECT ⑥ SEE DETAIL ON THIS DRAWING ⑦ INSTALL PER MANUFACTURERS INSTRUCTIONS SYMBOL DESCRIPTION: 																	

CABINET UNIT HEATER SCHEDULE																
GENERAL		PERFORMANCE					ELECTRICAL				PHYSICAL		REMARKS			
TAG	LOCATION	MBH	GPM	WPD (FT WG)	LAT (°F)	CFM	FAN SPEED	WATTS	HP	VOLTAGE	PHASE	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL
CUH-1	WOMAN'S LATRINE 147	11.8	.50	.02	119.0	185	LOW	-	1/15	115	1	STERLING RC-1200-02	①	①	① ② ③	① ②
CUH-2	WOMAN'S LATRINE 147	11.8	.50	.02	119.0	185	LOW	-	1/15	115	1	STERLING RC-1200-02	①	①	① ② ③	① ②
CUH-3	CORRIDOR	16.2	1.50	.15	125.0	230	LOW	-	1/15	115	1	STERLING F-1000-02	②	①	① ② ③	① ②
CUH-4	MEN'S LATRINE 146	11.8	.50	.02	119.0	185	LOW	-	1/15	115	1	STERLING RC-1200-02	①	①	① ② ③	① ②
CUH-5	MEN'S LATRINE 146	11.8	.50	.02	119.0	185	LOW	-	1/15	115	1	STERLING RC-1200-02	①	①	① ② ③	① ②
① RECESSED CEILING, BOTTOM INLET GRILLE, BOTTOM DISCHARGE GRILLE ② FLOOR MODEL, BOTTOM INLET GRILLE, TOP DISCHARGE GRILLE ③ 180° EWT, 160° LWT, 60° EAT ④ EXTRUDED ALUMINUM GRILLE INLET & OUTLET ⑤ BAKED ENAMEL FINISH, COLOR SELECTABLE BY ARCHITECT ⑥ DPST DISCONNECT SWITCH ⑦ SEE DETAIL ON THIS DRAWING ⑧ INSTALL PER MANUFACTURERS INSTRUCTIONS																

DUCTLESS SPLIT AIR CONDITIONING SYSTEM AIR HANDLER SCHEDULE																		
GENERAL			PERFORMANCE					ELECTRICAL				PHYSICAL		REMARKS				
TAG	LOCATION	MATCHED COND. UNIT	NOMINAL TONS	TOTAL COOLING MBH	TOTAL HEATING MBH	FAN		SOUND PRESSURE DBA	MCA	MOP	VOLTAGE	PHASE	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL	
						CFM	ESP (IN WG)	SPEED										
AH-1	IT SERVER ROOM	CU-1	1.0	12,000	11,800	380	-	HIGH	42	0.2	15.0	208	1	CARRIER 40MAQB12-3	①	①	① ② ③	① ② ③
AH-2	MEN'S LATRINE 318	CU-2	6.0	76,800	85,200	2,048	-	HIGH	45	3.80	15.0	208	1	TRANE 4TVA0076B100N	②	①	① ② ③	① ② ③
AH-3	WOMAN'S LATRINE 321	CU-3	6.0	76,800	85,200	2,048	-	HIGH	45	3.80	15.0	208	1	TRANE 4TVA0076B100N	②	①	① ② ③	① ② ③
① HIGH WALL MOUNTED UNIT ② CONCEALED DUCTED UNIT ③ RATED PER AHRI ④ HARD WIRED WALL MOUNTED PROGRAMMABLE THERMOSTAT ⑤ BUILT-IN CONDENSATE PUMP ⑥ HARD WIRED CONTROLLER ⑦ REFRIGERANT PIPING, CONDENSATE PIPING, CONTROL WIRING AND CONDUIT, POWER WIRING AND CONDUIT, RELAYS AND OTHER DEVICES SHALL BE CONCEALED. LOCATE DEVICES REQUIRING ACCESS IN ACCESSIBLE LOCATIONS. COORDINATE LOCATIONS WITH ARCHITECT AND PROVIDE ACCESSPANELS WHERE REQUIRED. ⑧ AH-1, 2, & 3. THE DEDICATED THERMOSTAT SHALL BE SET TO MAINTAIN SPACE TEMPERATURE DETERMINED BY THE OWNER. ⑨ INDOOR UNIT POWERED BY OUTDOOR UNIT.																		

DUCTLESS SPLIT AIR CONDITIONING SYSTEM CONDENSING UNIT SCHEDULE																
GENERAL			PERFORMANCE		ELECTRICAL				PHYSICAL		REMARKS					
TAG	LOCATION	MATCHED AIR HANDLER	NOMINAL TONS	EER	MCA	MOP	VOLTAGE	PHASE	WEIGHT (LBS)	MANUFACTURER MODEL	TYPE	RATINGS	FEATURES	INSTALL		
CU-1	ROOF	SEE PLAN	1.0	12.5	9.0	15.0	208	1	91.50	CARRIER 38MAQB12R-3	①	①	① ②	①		
CU-2	ROOF	SEE PLAN	12.0	10.8	52.6	70.0	208	3	646.0	TRANE 4TVH0144	②	①	① ②	①		
① SINGLE INDOOR UNIT HEAT PUMP SYSTEM (R-410A) ② MULT-HEAD HEAT PUMP SYSTEM ③ WIND BAFFLE (LOW AMBIENT COOLING DOWN TO 0 DEGREES) ④ DISCONNECT SWITCH ⑤ PROVIDE SPLIT SYSTEM REFRIGERANT PIPING BETWEEN AIR HANDLER AND MATCHED CONDENSING UNIT, SIZED AND CONFIGURED PER THE MANUFACTURER'S RECOMMENDATIONS, ROUTE PIPING CONCEALED TO THE GREATEST EXTENT POSSIBLE. SEAL ROOF PIPING PENETRATIONS WATERTIGHT. ⑥ COOLING OPERATION BASED ON AHRI CONDITIONS: 95°F ODB AND INDOOR: 80°F EDB, 67°F EWB																

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Architecture - Project Management - Interior Design

Project

RHODE ISLAND ARMY NATIONAL GUARD



WARWICK LATRINES MODERNIZATION

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Drawing Status

ISSUED FOR CONSTRUCTION

Issued On 20 MARCH 2018

Sheet Contents

MECHANICAL SCHEDULES

Project Number.

Drawing No.

M001

Sheet of