

PACKAGED DX ROOFTOP UNIT WITH GAS HEAT SCHEDULE

UNIT ID	SERVICE	ARRANGEMENT	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	SUPPLY FAN				DX COOLING SECTION				MODULATING HOT GAS REHEAT COIL		GAS HEATING SECTION			UNIT DIMENSIONS			FILTER		ELECTRICAL				MODEL NO.	WEIGHT		
					MOTOR HP	MOTOR QTY.	ESP (IN WG)	TYPE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EER/IEER	COMP QTY	COMP TYPE	CAPACITY (MBH)	AIR		INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	AIR		LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	TYPE (PRE/FINAL)	VOLTS	PHASE			MCA	MROPD
															EDB 'F	LDB 'F			EDB 'F	MAX LDB 'F										
RTU-1	OUTSIDE AIR	DOWNFLOW	1450	1450	1	1	1.0	BI	100.2	42.7	10.4/19.5	1	INVERTER	38.0	55	80	150	120	0	75.2	10'-10"	5'-4"	5'-6"	2" MERV-8	208	3	36.5	60	62XB08	2010

- NOTES:
- BASIS OF DESIGN: DAIKIN
  - FACTORY NON-FUSED DISCONNECT
  - 2" MERV 8 & 4" MERV 13 IN DRAW THROUGH POSITION
  - 2" INSULATED DOUBLE WALL CONSTRUCTION
  - 12:1 GAS HEATER TURNDOWN, 3/4 CONN.
  - VFD ON SUPPLY AND EXHAUST FANS
  - STAINLESS STEEL DRAIN PAN
  - FIELD POWERED GFI
  - THRU THE BASE SINGLE POINT ELECTRICAL CONNECTION (EXCEPT CONVENIENCE OUTLET)
  - 0-100% COMPARATIVE ENTHALPY ECONOMIZER.
  - 10 YEAR HEAT EXCHANGER WARRANTY
  - HOT GAS REHEAT
  - FLOAT SWITCH IN DRAIN PAN TO DE-ENERGIZE UNIT
  - ACOUSTICALLY LINED, FULLY INSULATED, SOLID BOTTOM ROOF CURB AT LEAST 14" ABOVE ROOF
  - INSULATION, ACOUSTICAL CURB LINING SHALL CONSIST OF MINIMUM TWO LAYERS OF 2" THICK ACOUSTICAL INSULATION AND FOUR LAYERS OF 0.5" THICK GREEN GYP. BOARD WITH SEALED 18 GA GLAV. STEEL COVER OVER ALL CONFINED AREAS.
  15. PREMIUM EFFICIENCY INVERTER DUTY MOTORS
  16. R-410A

LOUVER SCHEDULE

UNIT ID	CFM	MAX FREE AREA VELOCITY (FPM)	MAX PD (IN. W.G.)	FACE SIZE (IN)	MIN. SQ. FT. FREE AREA	MOUNTING	MATERIAL	TYPE	MODEL NO.	SERVES
EL-1	150	--	-	14x12	0.36	SIDEWALL	ALUMINUM	DRAINABLE	ESD-435	FIRE PUMP ROOM VENTILATION
EL-2	225	750	.06	14x12	0.36	SIDEWALL	ALUMINUM	DRAINABLE	ESD-435	PANTRY EXHAUST
EL-3	225	750	.06	14x12	0.36	SIDEWALL	ALUMINUM	DRAINABLE	ESD-435	GENERAL (ADMIN) EXHAUST
EL-5	-	-	-	14x12	-	SIDEWALL	ALUMINUM	DRAINABLE	ESD-435	GENERAL RESTROOM EXHAUST
EL-6	700	-	-	24x24	-	SIDEWALL	ALUMINUM	DRAINABLE	ESD-435	POOL ROOM EXHAUST
EL-7	225	750	.06	14x12	0.36	SIDEWALL	ALUMINUM	DRAINABLE	ESD-435	1ST FLR RESIDENTIAL EXHAUST
IL-1	-	-	-	36x24	3.42	SIDEWALL	ALUMINUM	DRAINABLE	ESD-435	DRYER MAKE-UP
IL-2	60 OA	650 COND	BY PTAC MFG	BY PTAC MFG	26x32	BY PTAC MFG	ALUMINUM	STATIONARY	FRIEDRICH VPSC2	VTAC

- NOTES:
- EXHAUST LOUVERS: AMCA LEAKAGE CERTIFIED BACKDRAFT DAMPER.
  - IL-1: LOW LEAK MOTOR OPERATED DAMPER WITH END SWITCH.
  - 1/2" ALUMINUM BIRD SCREEN.
  - COLOR TO MATCH BUILDING. FACTORY KYNAR FINISH BY ARCHITECT. SUBMIT WITH COLOR SAMPLE FOR ARCHITECTURAL REVIEW.
  - REFER TO ARCHITECTURAL PLANS FOR MOUNTING REQUIREMENTS.
  - PROVIDE MISC. MOUNTING HARDWARE

THERMOSTATIC MIXING VALVE SCHEDULE

UNIT ID	SYSTEM SERVED	MIN. FLOW (GPM)	MAX. FLOW (GPM)	PRESS. DROP AT MAX. FLOW (PSIG)	REQ. FLOW (GPM)	MANUFACTURER/ MODEL NO.	REMARKS
TMV-1	DOM. HOT WATER	1	85	20	68	POWERS / LFSH1434	

NOTES:

BOOSTER PUMP SCHEDULE

UNIT ID	SERVICE	TYPE	NUMBER OF PUMPS	FLOW PER PUMP (GPM)	SUCTION PRESSURE	HEAD (FT)	SUCTION & DISCHARGE SIZE	MIN % EFF	ELECTRICAL				DISCONNECT	CONTROLLER			MANUFACTURER/ MODEL NO.	REMARKS			
									HP	RPM	VOLTS	PHASE		FURN. BY	INST. BY	TYPE			FURN. BY	INST. BY	
BP-1	DOMESTIC WATER	DUPLX	2	133.7	30	123	4"	73	2x7.5	3450	208/240	3	20.0	41	26	26	VDF	23	23	GRUNDFOS HYDRO MPC-E 2CRE 32- - 3X20	

DOMESTIC WATER HEATER SCHEDULE (TANKLESS GAS)

UNIT ID	LOCATION/ AREA SERVED	CAPACITY		FUEL TYPE	GAS PRESS MIN - MAX (IN WG)	INPUT (MBH)	THERMAL EFFICIENCY	HEAT EXCHANGER MATERIAL	VENTING			ELECTRICAL			DISCONNECT			WEIGHT (LBS)	MANUFACTURER/ MODEL NO.	REMARKS	
		FLOW (GPM)	TEMP RISE (°F)						SIZE (IN)	MATERIAL	MAX. LENGTH (FT)	MOCP	FLA	VOLTS	PH	FURN. BY	INST. BY				TYPE
DWH-1	MECHANICAL ROOM	34.3	100	GAS	4.0 - 14	1060	96%	STAINLESS STEEL	6	PER LOCAL CODE	100	20	11	120	1	26	26	TOG	1190	AERCO / INN 1060	
DWH-2	MECHANICAL ROOM		100	GAS	4.0 - 14	1060	96%	STAINLESS STEEL	6	PER LOCAL CODE	100	20	11	121	1	26	26	TOG	1190	AERCO / INN 1060	

NOTES:

- HYDRO-PNEUMATIC TANK.

OUTDOOR POOL DEHUMIDIFICATION UNIT SCHEDULE

UNIT ID	SUPPLY				DX COOLING COIL				CONDENSER		HOT GAS REHEAT SECTION		NAT. GAS PREHEAT		ELECTRICAL				MODEL	WEIGHT	REMARKS							
	CFM	OA	BLOWE R TYPE	ESP	HP	FLA	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	LATENT CAPACITY	COMP. TYPE	COMP. QTY	RLA/LRA	QTY	HP	FLA	CAP (MBH)	CONTROL	INPUT (MBH)				OUT (MBH)	TURNDOWN	V	PH	FLA	MCA	MOCP
PDU-1	1200	650	BI PLENUM	1.25	2	7.5	58.5	38.0	20.5	MODULATING	1	/16.1	1	1/3	2.8	14	MODULATING	100	81	8:3:1	208	3	26	30	45	RQ-004	972	

NOTES:

- BASIS OF DESIGN: AAO. ROOM CONDITIONS 84F DB/55% RH. 90F WATER TEMP.
- TWO INCH DOUBLE WALLED CABINET.
- R-410A.
- UNIT MTD. NON-FUSED DISCONNECT.
- OUTDOOR AIR OPERATED DAMPER AND FILTER.
- MODULATING GAS HEAT.
- PACKAGED INTEGRAL AIR-COOLED AIR CONDITIONING.
- ROOF CURB

PUMP SCHEDULE

UNIT ID	SYSTEM SERVED	TYPE	FLOW (GPM)	HEAD (FT)	DISCONNECT			STARTER			MANUFACTURER/ MODEL NO.	REMARKS		
					HP	VOLTS	PHASE	FURN. BY	INST. BY	TYPE			FURN. BY	INST. BY
P-1	DOMESTIC HOT WATER RETURN	INLINE	28	50	1 1/2	208	3	E	E	HOA	M	E	B&G	LEAD FREE

NOTES:

- PERFORMANCE BASED ON WATER, UNLESS OTHERWISE INDICATED.

SUMP PUMP SCHEDULE

UNIT ID	SYSTEM SERVED	TYPE	NUMBER OF PUMPS	FLOW PER PUMP (GPM)	HEAD (FT)	SUMP BASIN		ELECTRICAL			DISCONNECT			CONTROL			MANUFACTURER/ MODEL NO.	REMARKS
						SIZE (IN)	DEPTH (IN)	HP	VOLTS	PHASE	FURN. BY	INST. BY	TYPE	TYPE	FURN. BY	INST. BY		
SP-1	ELEVATOR	SUBMERSIBLE	1	50	20	18x18	30	.5	120	1	E	E	SWITCH	NOTE 1	M	E	B&G: 1EC0511	

NOTES:

- SIMPLEX PUMP CONTROL PANEL WITH AUDIBLE/VISUAL ALARM AND TWO FLOATS (ON/OFF AND HIGH WATER).

PLUMBING FIXTURE SCHEDULE

TAG	BARRIER FREE	ITEM	PIPE CONNECTION SIZES				MANUFACTURER & MODEL NO.	ACCESSORIES
			WASTE	VENT	CW	HW		
EW-1	Y	BI-LEVEL ELECTRIC WATER COOLER	2"	1 1/2"	1 1/2"	-	EKAY: EZWS-ERPBM28K	
EW-2	Y	ELECTRIC WATER COOLER AND BOTTLE FILLING STATION	2"	1 1/2"	1 1/2"	-	EKAY: EZWSGRN8PK	
FD-1	-	FLOOR DRAIN	3"	1 1/2"	-	-	ZURN: Z-415-B	
FD-2	-	FLOOR DRAIN	3"	1 1/2"	-	-	ZURN: Z-415-PW	TYPE "E" STRAINER AND 4" FUNNEL
FS-1	-	FLOOR SINK	3"	1 1/2"	-	-	ZURN: Z-1902-K-P	
TD-1	-	TRENCH DRAIN WITH LINT TRAP	3"	-	-	-	JAY. R SMITH: SQ-TD-0203-66	
LAV-1	Y	UNDERMOUNT LAVATORY (HOTEL ROOM)	1 1/2"	1 1/2"	1/2"	1/2"	KOHLER: ARCHER K-2355	FAUCET: KOHLER 99491-CP /DRAIN 7129-A-CP W/GRID STRAINER DRAIN AND CHROME PLATED P-TRAP
LAV-2	Y	UNDERMOUNT LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	KOHLER: ARCHER K-2355	FAUCET: KOHLER 99491-CP /DRAIN 7129-A-CP W/GRID STRAINER DRAIN AND CHROME PLATED P-TRAP
LAV-3	Y	WALL MOUNTED LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	KOHLER: SOHO K-2084-0	FAUCET: KOHLER 99491-CP /DRAIN 7129-A-CP W/GRID STRAINER DRAIN AND CHROME PLATED P-TRAP
BT-1	Y	BATHTUB/SHOWER (HOTEL ROOM)	2"	1-1/2"	1/2"	1/2"	STERLING: 7112 ENSEMBLE WITH DELTA 52003 WITH T13420 SHOWER TRIM AND R10000-UNWS VALVE	60"x32" ADA COMPLIANT TUB/SHOWER UNIT, WITH 1.5 GPM SHOWER HEAD, ARM AND FLANGE, DIVERTER FOR DUAL SHOWERS, AND HANDHELD WAND WITH STAINLESS STEEL HOSE AND 36" SLIDE/GRAB BAR. PRESSURE BALANCED MIXING VALVE SHALL MEET ASSE 1016 AND HAVE UNIVERSAL INLETS/OUTLETS AND SUPPLY STOPS.
SS-1	-	SERVICE SINK	3"	1 1/2"	3/4"	3/4"	FIAT: MSB-2424	FAUCET: FIAT # 830-AA W/AQUUM BREAKER, STAINLESS STEEL GRID STRAINER, PAUL HOOK AND HOSE THREAD, HOSE AND MOP HANGERS.
UR-1	Y	WALL MOUNTED URINAL	2"	1 1/2"	3/4"	-	KOHLER: BARDON SUPERIOR K-4960-ET	FLUSH VA: CARRIER:
WC-1	Y	WATER CLOSET - FLUSH TANK, FLOOR MOUNTED	3"	1-1/2"	3/4"	-	KOHLER: K-25077-SSRA	ADA, VITREOUS CHINA, FLOOR MOUNTED, FLUSH TANK, 12" ROUGH IN, ANTIMICROBIAL FINISH; PROVIDE WITH OPEN FRONT SEAT; 1.28 GPF
WM-1	-	WASHING MACHINE OUTLET BOX	3"	1 1/2"	1/2"	1/2"	IPS: GUY GRAY T SERIES	

NOTES:

- SUPPLY ALL FIXTURES WITH LOOSE KEY STOPS.
- PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
- PROVIDE CARRIERS FOR ALL FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
- WHERE REQUIRED AND WHERE DESIGNATED, FIXTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE TO THE LATEST EDITION OF "THE BARRIER" FREE DESIGN REQUIREMENTS OF THE STATES CONSTRUCTION CODE.
- ALL FIXTURES SHALL MEET MICHIGAN DEPT. OF PUBLIC HEALTH REQUIREMENTS, AND SHALL BE SUITABLE FOR FOOD PREPARATION AREAS.
- REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION/MOUNTING HEIGHT OF ALL FIXTURES.

SINGLE ZONE COOLING ONLY DX SPLIT SYSTEM SCHEDULE

INSIDE MARK	AREA SERVED	SUP PLY CFM	OA CFM	ESP	RATED CLG CAP MBH	FAN COIL ELECTRICAL				FCU MODEL NO.	OUTSIDE TAG	NOM. TONS	MINIM LIM SEER	CONDENSING UNIT ELECTRICAL				CU MODEL NO.		
						MCA	FAN FLA	MTR W	V					PH	MCA	MOCP	FUSE		V	PH
IDU-1	ELEVATOR EQUIPMENT	530	NOT REQ.	N/A	12	1.0	0.33	30	208	1	PKA-A1 2HA6	ODU-1	1.0	15.2	13	15	15	208	1	PUY-A12NHA6
IDU-2	PBX	530	NOT REQ.	N/A	12	1.0	0.33	30	208	1	PKA-A1 2HA6	ODU-2	1.0	15.2	13	15	15	208	1	PUY-A12NHA6

NOTES:

- BASIS OF DESIGN: MITSUBISHI.
- INVERTER DRIVEN COMPRESSOR
- INTEGRAL UNIT POWERED CONDENSATE PUMP: 27" LIFT.
- INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD SUPPLIED INTERCONNECTED COPPER WIRING BY DIV. 26.
- WIRED LOW VOLTAGE WALL MTD THERMOSTAT.
- UNIT/SYSTEM EFFICIENCIES MUST EXCEED ASHRAE 90.1-2007.
- DISCONNECTS (INDOOR AND OUTDOOR) BY DIV. 26
- PROVIDE INDOOR AND OUTDOOR COMPONENTS FULLY CHARGED WITH R410A REFRIGERANT AND INTERCONNECTING REFRIGERANT PIPING FOR FIELD INSTALLATION.
- PROVIDE INTERCONNECTING CONTROL WIRING IN CONDUIT.
- AIR FILTER IN INDOOR UNIT
- LIMITED WARRANTY: FIVE YEAR PARTS AND SEVEN YEARS COMPRESSOR



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Project :  
HOLIDAY INN EXPRESS  
THRUWAY PLAZA OF  
ROCKLAND ASSOCIATES  
CLARKSTOWN (NANUET)  
ROCKLAND COUNTY, NY  
10954

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LOCATION: 19180  
INN CODE: NYCNT  
PROJECT: 32435  
HOTEL: HOLIDAY INN EXPRESS & SUITES NANUET

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