

QTY	MARK*	MODEL	SERVICE	OLD VOLUME (CFM)	NEW VOLUME (CFM)	TOTAL EXTERNAL SP (IN OF WG)	FAN RPM	SIZE (HP)	ELECTRICAL	NOTES
1	EF-11	TRANE 24	TOILET ROOF EXHAUST	8,365	8,445	1-1/2	1,222	5	208V 3P 4W	1,2
1	EF-12	TRANE 22	KITCHEN ROOF EXHAUST	6,000	6,000	2-1/2	1,466	5	208V 3P 4W	1
1	EF-13	PENN DOME	PRINCIPAL'S TOILET ROOF EXHAUST	100	100	3/8	1,140	1/12	120V 1P	1
1	EF-15	BROAN QTXE110	NEW BATHROOM EXHAUST	--	80	1/10			120V 0.3A 1P	3

NOTE 1: EXISTING ROOF MOUNTED FANS MAY REQUIRE REBALANCING AND/OR MAINTENANCE TO ENSURE DESIGN INTENT OF AIR FLOW

NOTE 2: REBALANCE EXHAUST FAN TO INCREASE FLOWMENT CFM BY 80 CFM TO ACCOUNT FOR NEW BATHROOM ON 1ST FLOOR

NOTE 3: PROVIDE EXIST FAN MODEL: BROAN AR110KLVVTO NEW 4TH FLOOR BATHROOM AND VENT TO ADJACENT WALL WITH 6" ROUND DUCT THROUGH EXISTING WALL TO WALL

CAP MODEL: BROAN-843BL

QTY	MARK	SERVICE	MODEL	SIZE	MATERIAL	FINISH	NOTES
1	EG-1	EXHAUST	TITUS 350ZL	24"x24"	STEEL	WHITE	1,2,3
1	SD-1	SUPPLY	TITUS TMS	24"x24"	STEEL	WHITE	1,2,3

NOTE 1: PROVIDE APPROPRIATE SIZED NECK TO CONNECT TO NEW OR EXISTING DUCT. SEAL AND MAKE CONNECTIONS AIR TIGHT

NOTE 2: PROVIDE GRILLE OR DIFFUSER TO FIT IN A FULL 24x24 DROP IN CEILING GRID.

NOTE 3: PROVIDE DAMPERS AS NECESSARY TO PROVIDE AIR BALANCING.

TYPE	EQUIPMENT OR SYSTEM SERVED	INSULATION CLASS (a)			JACKETING CLASS (b)			THICKNESS (IN)						DUCTWORK
		INTERIOR CONCEALED	INTERIOR EXPOSED	EXTERIOR	INTERIOR GENERAL	EQUIPMENT ROOMS	EXTERIOR	NOMINAL PIPE SIZE (IN)						
								<1"	1"-<1½"	1½"-<4"	4"-<8"	>8" & UP	(c)	
A	RS, RL	FE	FE	FE	0	0	4	0.5	1.5	1.5	1.5	1.5		
B	DOW, COOLING COIL CONDENSATE	FE	--	--	0	--	--	0.5	0.5	1.0	1.0	1.0		
		--	FE	--	--	4	--	0.5	0.5	1.0	1.0	1.0		
C	HWS, HWR	FG	--	--	1	--	--	1.5	1.5	2	2	2		
		--	FG	--	1	1	--	1.5	1.5	2	2	2		
		--	--	UR	--	--	6	1.5	1.5	2	2	2		
D	DUCTWORK	FG (d)	--	--	2	--	--	--	--	--	--	1.5(g)		
		--	FG (e)	--	2	2	--	--	--	--	--	2 (h)(g)		
		--	--	UR(e)	--	--	3	--	--	--	--	2 (i)		

(a) FG -- FIBROUS GLASS FE -- FLEXIBLE ELASTOMERIC UR -- URETHANE CS -- CALCIUM SILICATE FR -- FIRE RATED	(b) 0 -- NONE 1 -- ALL SERVICE 2 -- ALUMINUM FOIL 3 -- CANVAS 4 -- POLYVINYL CHLORIDE 5 -- STAINLESS STEEL 6 -- ALUMINUM 7 -- EPDM	(c) SUPPLY AIR OUTSIDE AIR MIXED AIR RETURN AIR (d) BLANKET (e) RIGID BOARD	(f) EXCEPT SUPPLY AIR WITHIN CONDITIONED SPACE (g) INSULATE EXHAUST AIR 15"-0" FROM EXTERIOR PENETRATION (i) TWO LAYERS, 3 IN TOTAL
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ALL INSULATION TO COMPLY WITH 2015 NYS ENERGY CONSERVATION CONSTRUCTION CODE

UVC CIRCUIT #	AIR HANDLING UNIT (AHU) #	LOCATION	AIR FLOW IN CUBIC FEET/ METER (CFM)	MAIN DUCT/ PLENUM WIDTH (INCHES)	MAIN DUCT/ PLENUM HEIGHT (INCHES)	SUGGESTED PRODUCT SKUS	QTY	APPLICATIONS	LOCATION OF CIRCUIT DISCONNECT SWITCH	NOTES
UV-C-1-1	AHU-1-1	1ST FLOOR FAN ROOM	22,000	52	30	UV-DUCT-FL 2/95HP-NX	3	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9
UV-C-1-2	AHU-1-2	1ST FLOOR LOFT	8,500	42	20	UV-DUCT-FL 2/95HP-NX	3	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9
UV-C-2-1	AHU-2-1	1ST FLOOR FAN ROOM	28,000	68	34	UV-DUCT-FL 2/95HP-NX	3	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9
UV-C-3-1	AHU-3-1	3RD FLOOR FAN ROOM	27,000	80	28	UV-DUCT-FL 2/95HP-NX	3	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9
UV-C-4-1	AHU-4-1	PENTHOUSE	8,000	40	20	UV-DUCT-FL 2/95HP-NX	1	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9
						UV-STYLO-X-60H-B	2			
UV-C-4-2	AHU-4-2	PENTHOUSE	18,000	48	28	UV-DUCT-FL 2/95HP-NX	2	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9
UV-C-4-3	AHU-4-3	PENTHOUSE	11,000	56	22	UV-DUCT-FL 2/95HP-NX	2	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9
UV-C-4-4	AHU-4-4	PENTHOUSE	7,400	40	20	UV-DUCT-FL 2/95HP-NX	1	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9
						UV-STYLO-X-60H-B	2			
UV-C-5	HV-5	GYM PENTHOUSE	14,000	30	38	UV-DUCT-FL 2/95HP-NX	2	IN-DUCT	48" AFF	1,2,3,4,5,6,7,9

NOTE 1: PROVIDE UV-C LIGHTS AND ALL APPURTENANCES BY LIGHT PROGRESS USA BRAND OR APPROVED EQUAL.

NOTE 2: PROVIDE UV-C LIGHTS AS SHOWN ON M-106 AND M-107 AND ALL APPURTENANCES AS PART OF ALTERNATE H1 ONLY.

NOTE 3: MECHANICAL CONTRACTOR TO PROVIDE AND COORDINATE CUTTING, PATCHING AND SEALING. PROVIDE POWER TO LIGHTS USING 2#12 -W#12 GND WIRING, 3/4"CONDUIT, DISCONNECTING SWITCH AND SUPPORTS. PROVIDE 1" MIN. AIR SPACE WITHIN RECESSED AREA TO ALLOW FOR CLEANING, MAINTENANCE, AND ACCESS FOR REPLACEMENT OF BULB(S).

NOTE 5: EACH UV-C LIGHTING CIRCUIT MUST INCLUDE AN INDIVIDUAL DISCONNECT SWITCH WITH INDICATING LED WITHIN SIGHT OF THE UV-C LIGHT(S) ON THE CIRCUIT.

NOTE 6: LABEL EACH UV-C LIGHT AND DISCONNECTING SWITCH WITH THE CORRESPONDING UV-C CIRCUIT NUMBER, ELECTRICAL PANEL NAME, AND BREAKER NUMBER.

NOTE 7: MOUNT DISCONNECT SWITCH AT 48" AFF (U.O.N) AND PROVIDE PLASTIC LOCKABLE ENCLOSURE.

NOTE 8: MOUNT DISCONNECT SWITCH AT OR NEAR THE UV-C LIGHT INSTALLATION (U.O.N.).

NOTE 9: DISCONNECT SWITCH'S FACE PLATE MUST INDICATE ON AND OFF DIRECTIONS AND THE "ON" CONDITION SHALL ILLUMINATE THE LED INDICATOR.



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S.E.D.# 66-23-00-01-0-102-008

E&R PROJECT NO.	Y19RN01
YPS NO.	10874

BID SET	01.15.2021
REVISION	DATE
DATE	01.15.2021
DRAWN BY	
CHECKED BY	
SHEET SIZE	
SCALE	AS SHOWN

SCHEDULES AND DETAILS

SHEET NO.

M-500