

DIFFUSERS AND GRILLES SCHEDULE					
PLAN IDENT.	SPECIFICATIONS			MANUFACTURE	REMARKS *
	MODEL	LOCATION	SIZE		
S-1	HVS W/ DAMPER	CEILING	24 X 24	HART & COOLEY	T-BAR DROP-IN DIFFUSER 4 WAY AIR FLOW
S-2	RHD45	"	12 X 6	"	45° DEFLECTION FACE BARS WITH OPPOSED BLADE DAMPER
S-3	ARED2C	"	12 X 12	"	2 WAY ALUMINUM CEILING DIFFUSER WITH DAMPER
S-4	ARED	"	24 X 24	"	4 WAY ALUMINUM CEILING DIFFUSER WITH DAMPER
S-5	L8 SERIES	"	24 X 6	"	L8-3-15-0-30X8-SA 1 WAY AIR FLOW
S-6	L8 SERIES	"	36 X 4	"	L8-3-15-0-36X4-SA 1 WAY AIR FLOW
S-7	L8 SERIES	"	48 X 6	"	L8-3-15-0-48X6-SA 1 WAY AIR FLOW
S-8	ARED4	"	12 X 12	"	4 WAY ALUMINUM CEILING DIFFUSER WITH DAMPER
S-9	L8 SERIES	"	36 X 6	"	L8-3-15-0-36X6-SA 2 WAY AIR FLOW
S-10	ARED3	"	12 X 12	"	3 WAY ALUMINUM CEILING DIFFUSER WITH DAMPER
R-1	REBT	CEILING	24 X 24	"	T-BAR DROP-IN GRILLE
R-2	REB	"	24 X 6	"	GYPSUM CEILING RETURN AIR GRILLE
R-3	REB	"	36 X 6	"	GYPSUM CEILING RETURN AIR GRILLE
R-4	REB	"	24 X 24	"	GYPSUM CEILING RETURN AIR GRILLE
UPL-1	I530ZF	EXTERIOR WALL	12 X 12	HART & COOLEY	WEATHER PROOF LOUVER WITH GREENHECK E8-30 BACKDRAFT DAMPER
UPL-2	I530ZF	"	18 X 12	"	WEATHER PROOF LOUVER WITH GREENHECK E8-30 BACKDRAFT DAMPER
UPL-3	I530ZF	"	24 X 12	"	WEATHER PROOF LOUVER WITH GREENHECK E8-30 BACKDRAFT DAMPER
UPL-4	I530ZF	"	30 X 12	"	WEATHER PROOF LOUVER WITH GREENHECK E8-30 BACKDRAFT DAMPER
EG-1	RH45	CEILING	12 X 12	"	EXHAUST GRILL
EG-2	RH45	CEILING	18 X 12	"	EXHAUST GRILL
TG-1	TGF	WALL	12 X 6	"	TRANSFER GRILL

PTAC SCHEDULE											
	MODEL	BTUH	VOLTAGE	CFM	HEAT KW	AMPS	WINDOW SLEEVE	DRAIN KIT	ELECTRIC SUB BASE	THERMOSTAT	MANUFACTURER
PTAC-1	AZ65H0TDAD	7,000	208-1-60	750 - 409	3.5	20	RAB1B	RAD10	RAK204E20	INCOM BY HONEYWELL	GE
PTAC-2	AZ65H0SDAD	9,000	208-1-60	300 - 409	3.6	20	RAB1B	RAD10	RAK204E20		GE

EXHAUST FAN NOTES:

NOTE: 1 1ST-4TH FLOOR GUEST ROOM EXHAUST GRILLS DUCTED TO ROOF TRUSSES AND DUCTED IN THE ROOF TRUSSES TO THE ERI.

NOTE: 2 WITH RADIATION DAMPERS

NOTE: 3 INTERLOCKED WITH POOL DEHUMIDIFICATION SYSTEM WITH MANUAL OVERRIDE.

NOTE: 4 INTERLOCKED WITH FURNACE WITH MANUAL OVERRIDE.

NOTE: 5 THERMOSTATS TO BE SET AT 80° WITH MANUEL OVERRIDE, MOUNT THERMOSTAT AT 1" BELOW CEILING.

NOTE: 6 INTERLOCKED WITH LIGHTS.

NOTE:1 MOTION SENSOR WITH 10 MINUTE DELAY OFF

NOTE: 8 SURFACE MOUNTED WITH EXPOSED DUCTWORK.

FIRE DAMPER REQUIRED FOR EVERY EXHAUST FAN WHERE IT PENETRATES A FIRE RATED ASSEMBLY

ALL EXHAUST FAN DUCTS SHALL BE RUN WITH A MINIMUM 26 GAUGE GALVANIZED METAL AND FIRE CAULKED AT ALL PENETRATIONS THROUGH PRECAST.

CONNECT EXHAUST RUNS TO THE MAIN EXHAUST DUCT AT A 45° ANGLE.

ALL EXHAUST FANS TO HAVE BACK DRAFT DAMPERS

SPECIFICATIONS

FURNISH AND INSTALL, HIGH EFFICIENCY, NATURAL GAS FIRED, VERTICAL UPFLOW, HEATING/COOLING, FURNACE UNITS, AC- CAPACITIES TO BE AS SHOWN ON THE PLAN SCHEDULE. FURNACE FANS SHALL RUN CONTINUOUS. CORRESPONDING ELECTRIC REMOTE OUTDOOR AIR COOLED CONDENSING UNITS PLAN IDENTIFICATION, ACC-1 SCHEDULED AND LOCATED ON THE PLANS. UNITS SHALL HAVE AN ARIE OF 92 AND SHALL BE EQUIPPED WITH EVAPORATOR COILS, RELAYS, AND STATS. INDOOR UNITS SHALL BE VENTED THROUGH WALL. EACH UNIT SHALL HAVE INTAKE AND EXHAUST USING 4" PVC OR AS APPROVED BY THE MANUFACTURER.

ALL MAIN DUCT TO BE RIGID GALVANIZED IRON AS APPROVED BY SHACMA AND UNRAFFED WITH 1" FIBERGLASS INSULATION. ALL BRANCH DUCTS TO BE JACKETED FLEXIBLE FIBERGLASS WITH VOLUME DAMPERS. LENGTH OF BRANCH NOT TO EXCEED 8'-0".

ALL SUPPLY AIR CEILING DIFFUSERS SHALL BE HART & COOLEY SQUARE LOUVER FACED , CFM, SIZE AND PATTERN AS SHOWN AND SCHEDULED ON THE DRAWINGS, ARE DIFFUSERS. ALL RETURN AIR GRILLES SHALL BE HART & COOLEY TYPE HV SERIES.

ALL TOILET EXHAUST FANS TO BE CEILING TYPE AS MANUFACTURED BY PANASONIC, HORIZONTAL DISCHARGE INTO THE AREA SHOWN ON THE DRAWINGS

PROVIDE UV PROTECTIVE COATING COVERING ON ALL ELASTOMERIC PIPE INSULATION WHERE EXPOSED TO SUNLIGHT

GENERAL NOTES:

THE MECHANICAL CONTRACTOR SHALL VERIFY ALL DUCT SIZING AND COORDINATE LAYOUT WITH STRUCTURAL SYSTEM

COORDINATE DUCT LOCATIONS WITH PLUMBING CONTRACTOR

SEE SHEET M-16 TO SIZE DUCT FOR MAKE-UP AIR UNIT LOCATED ON ROOF

ALL GRILLES WITHOUT VOLUME DAMPERS SHALL BE FURNISHED WITH OPPOSED BLADE LOUVERS

FURNISH A FLEXIBLE CONNECTION BETWEEN DUCTWORK AND AIR HANDLER

FURNISH LOW AMBIENT CONTROLS IN EXTERIOR CONDENSERS.

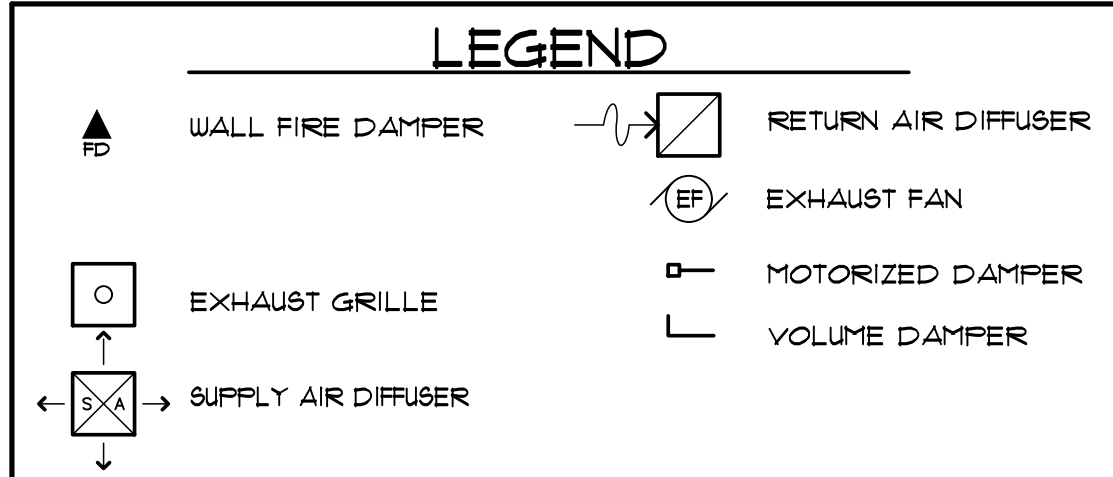
BUILDING VENTS & PIPES SHALL BE PAINTED TO MATCH THE BUILDING COLOR - ALL EXTERIOR PENETRATIONS TO BE COORDINATED TO ABOVE OR BELOW EXTERIOR MOLDINGS

THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDENSER PADS EXCEPT AS SHOWN ON FOUNDATION PLAN.

FURNISH AND INSTALL LOCKABLE COVERS ON ALL THERMOSTATS IN PUBLIC LOCATIONS.

1 DAY PROGRAMABLE THERMOSTATS AS YFR BY HONEYWELL WITH LOCKABLE COVERS IN PUBLIC LOCATIONS

PROVIDE 10 FEET OF ACOUSTICALLY LINED SUPPLY AND RETURN DUCT MAINS FOR EACH AC UNIT (15 FEET RECOMMENDED FOR MEETING ROOMS).



NOTE:
INSTALL PHENOMENAL AIRE NEEDLEPOINT BIO-POLAR IONIZATION (COLD PLASMA) SERIES RS60 IN THE RETURN AIR DUCT 8 FEET FROM THE UNIT OR JUST AFTER THE LAST RETURN BRANCH LINE.

GUESTROOM MANAGEMENT SYSTEM (GRMS)

DIGITAL THERMOSTAT IS THE ROOM CONTROLLER OF THE GUESTROOM MANAGEMENT SYSTEM. IT ALLOWS FOR OCCUPANCY BASED GUESTROOM MANAGEMENT AND CONTROLS HVAC SYSTEM, HUMIDITY, HAS OCCUPANCY BASED MASTER LIGHTING RELAY CONTROL, AND INTEGRATES WITH THE GUESTROOM ENTRY DOOR LOCK. THE SYSTEM IS FULLY NETWORKED AND INTEGRATES WITH BMS AND/OR FMS, HAS HOTEL OPERATORS CONSOLE, AND CAN BE EITHER WIRED OR WIRELESS INTEGRATION.

GRMS INTEGRATORS:

TO ENSURE PROPER COORDINATION BETWEEN ELECTRICAL AND MECHANICAL SECTIONS AND PROPER EXECUTION OF DESIGN A GRMS SYSTEM INTEGRATOR IS REQUIRED. INCLUDE THE FOLLOWING:

- INTEGRATE ALL ASPECTS OF GUESTROOM FUNCTIONALITY INCLUDING GUESTROOM HVAC, RFID LOCK, LIGHTING CONTROL, AND ANY OTHER GUEST AMENITIES AS REQUIRED.
- RESPONSIBILITIES: DESIGN, INSTALLATION, PROJECT MANAGEMENT, PROCUREMENT AND COMMISSIONING OF THE GRMS.
- ENSURE THAT ALL SERVER-TO-SERVER INTERFACES ARE ESTABLISHED AND OPERATIONAL FOR COMPLETE INTER-OPERABILITY BETWEEN GUESTROOM FUNCTIONS AND FMS, BMS AND GRMS.
- OFFER FULL MAINTENANCE AND SERVICE AGREEMENT FOR PROJECTS.
- MARRIOTT PREFERRED INTEGRATOR: SMARTCON SOLUTIONS LLC, TOM MIRANTE (844) 633-2412 OR THOMAS@SMARTCONSOLUTIONS.COM

HEATING & COOLING EQUIPMENT SCHEDULE																		
ZONES	MAJOR AREAS	UNIT IDENT	INDOOR UNITS								OUTDOOR UNITS			INDOOR UNIT	THERMOSTAT	COIL	TWINNING KIT	OUTDOOR UNIT
			CFM	O/A	E&P	HEATING BTUH INPUT	COOLING BTUH	HP	POWER	NOTE	UNIT IDENT	COOLING	POWER					
1	LAUNDRY	AC-1	1,600	180	3	60,000	48,000	1/2	115-1-60		ACC-1	48,000	208-3-60	BRYANT 916SA48060S21	DEBONAIR 33CS8N2-MH	BRYANT CAPVP48T1		BRYANT 123AFA048
2	LOBBY/WORK / REGISTRATION	AC-2	2,000	350	3	100,000	60,000	3/4	115-1-60		ACC-2	60,000	208-3-60	BRYANT 916SA60100S21	DEBONAIR 33CS8N2-MH	BRYANT CAPVP60T1		BRYANT 123AFA060
3	MEETING ROOM	AC-3	1,000	155	3	40,000	30,000	1/3	115-1-60	NOTE: 4	ACC-3	30,000	208-1-60	BRYANT 916SA30040S14	DEBONAIR 33CS8N2-MH	BRYANT CAPVP30T4		BRYANT 123ANA030
4	BREAKFAST / BUFFET	(2)AC-4	3,200	875	3	(2)80,000	(2)48,000	(2)1/2	115-1-60		(2)ACC-4	(2)48,000	208-3-60	(2)BRYANT 916SA48060S21	DEBONAIR 33CS8N2-MH	(2)BRYANT CAPVP48T1	AGATUNTE01A	(2)BRYANT 123AFA048
5	FITNESS	AC-5	1042 - 1483	160		80,000	60,000	3/4	115-1-60	NOTE 1	ACC-5	60,000	208-1-60	BRYANT 916SA60080S21	DEBONAIR 33CS8N2-MH	BRYANT CAPVP60T1		BRYANT 123AFA060
6	PBX	AC-6	320 - 425				12,000		DC 24V	NOTE 1	ACC-6	12,000	208-1-60	MTSUBISHI FKA-A12HA1	AVENDRA HOTELSTAT 5-10505			MTSUBISHI FUJ-A12NKA1
7	WATER ROOM	AC-7	423 - 635	100		19,000	18,000		DC 24V	NOTE 1	ACC-7	18,000	208-1-60	MTSUBISHI FKA-A18HA1	AVENDRA HOTELSTAT 5-10505			MTSUBISHI FUJ-A18NKA1
8	ENGINEERING	AC-8	423 - 635	100		19,000	18,000		DC 24V	NOTE 1	ACC-8	18,000	208-1-60	MTSUBISHI FKA-A18HA1	AVENDRA HOTELSTAT 5-10505			MTSUBISHI FUJ-A18NKA1
9	FOOD PREP	AC-9	705 - 920	200		34,000	30,000		DC 24V	NOTE 1	ACC-9	30,000	208-1-60	MTSUBISHI FKA-A30KA1	AVENDRA HOTELSTAT 5-10505			MTSUBISHI FUJ-A30NKA1
10	ELECTRICAL	AC-10	320 - 425				12,000		DC 24V	NOTE 1	ACC-10	12,000	208-1-60	MTSUBISHI FKA-A12HA1	AVENDRA HOTELSTAT 5-10505			MTSUBISHI FUJ-A12NKA1
11	POOL	AC-11	1750	450	5	2076 KW	431 (MEH)		208-3-60		ACC-11	40,200	208-3-60	NE-004-VF-1-A2NTTIC2AE0		2076 KW DUCT HEATER	SERESCO	NC-B-1V-CUG81-V

- FIELD INSTALL CONDENSATE PUMP IN FAN COILS UNITS
- PROVIDE SCR CONTROL FOR ALL ELECTRIC HEAT ABOVE 5KW AND A TWO-STEP CONTROL FOR ELECTRIC BELOW 5KW
- PROVIDE 10 FEET OF ACOUSTICALLY LINED SUPPLY AND RETURN DUCT MAINS FOR EACH AHU WHERE POSSIBLE

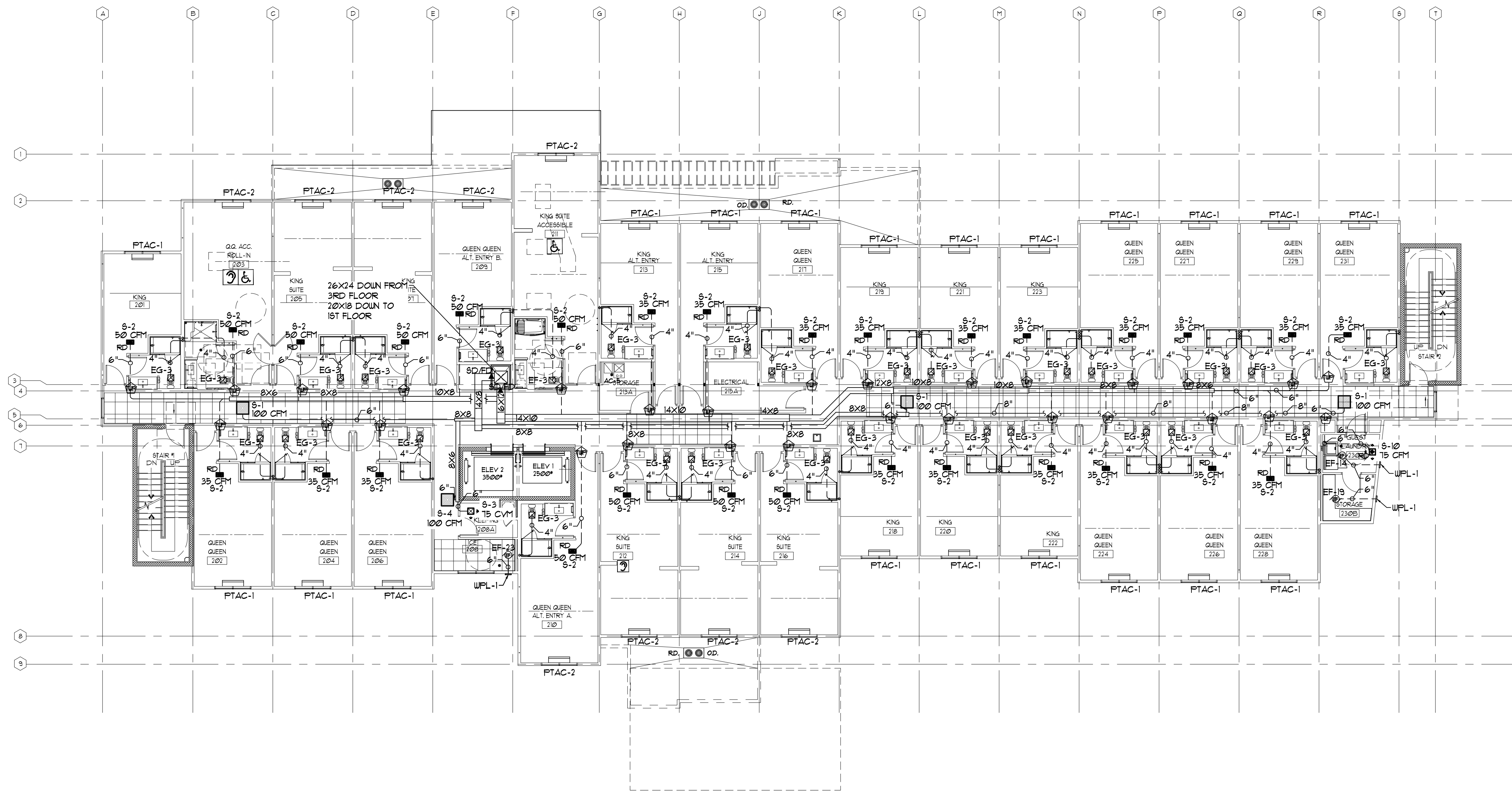
FURNACES ARE SEALED COMBUSTION (DIRECT-VENT) SYSTEM

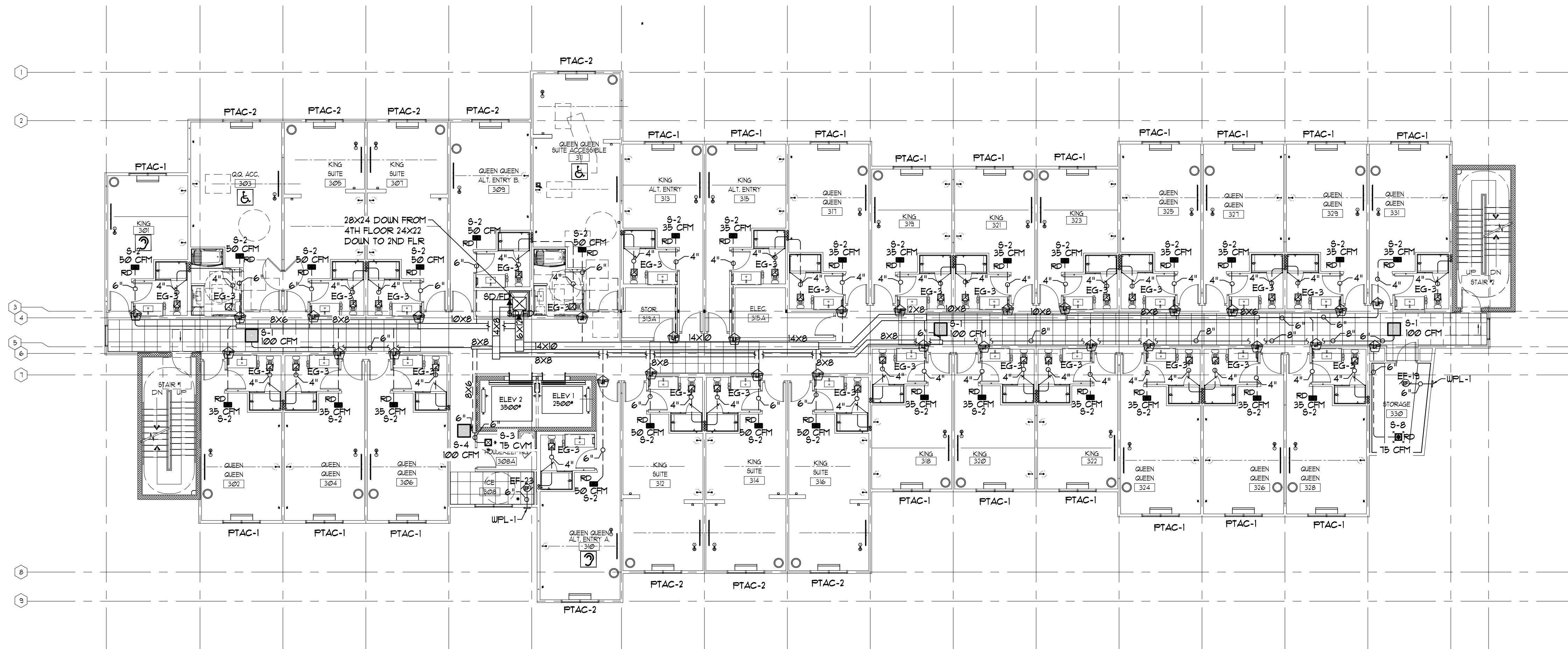
FOR LINE SETS OVER 50' TO BE UPSIZED

VENTILATION COMPLIANCE SUMMARY 23116 (03-13-24)															
ZONE	ROOM NAME		OCCUPANCY CLASSIFICATION	AREA (NET)	OCCUPANT DENSITY	PEOPLE	OUTDOOR AIRFLOW			TOTAL PROVIDED CFM	EXHAUST AIRFLOW			REMARKS	
				SQFT	#/1000 SQFT	#	RATE PER PERSON CFM	RATE PER AREA CFM/SQFT	TOTAL REQUIRED CFM		RATE CFM/SQFT	TOTAL REQUIRED CFM	TOTAL PROVIDED CFM		
				Az		Pz	Rp	Ra	Vbz						
1	LAUNDRY		DRY CLEANERS, LAUNDRIES: COMMERCIAL LAUNDRY	632	10	6	25	0	150	187.8	190	0.00	0	200	NEGATIVE PRESSURE
	BREAK ROOM		GENERAL: BREAK ROOM (PER ASHRAE 62.1 2016)	214	25	5	5	0.06	37.84		0	0			
2	LOBBY & LOUNGE		HOTELS: LOBBIES/PREFUNCTION	1145	30	34	7.5	0.06	323.7	345.4	350	0	0	300	
	REGISTRATION		OFFICES: RECEPTION AREAS		30	0	5	0.06	0		0	0			
	WORK ROOM AND OFFICES		OFFICES: OFFICE SPACES	278	5	1	5	0.06	21.68		0	0	0		
3	MEETING ROOM 120A		HOTELS: CONFERENCE/MEETING	512	50	25	5	0.06	155.72		155	0	0	130	
4	BREAKFAST		FOOD AND BEVERAGE SERVICE: DINING ROOMS	1174	70	82	7.5	0.18	826.32	850	0	0	880		
	BUFFET		FOOD AND BEVERAGE SERVICE: DINING ROOMS												
5	FITNESS		SPORTS AND AMUSEMENT: HEALTH CLUB/WEIGHT ROOM	607	10	6	20	0.06	156.42		160	0	0	190	NEGATIVE PRESSURE
6	PBX		NO REQUIREMENT	66	0	0	0	0	0		0	0	0	66	
7	WATER ROOM		NO REQUIREMENT	318.7							100	0	0	150	
8	ENGINEERING		OFFICES: OFFICE SPACES	0	5	0	5	0.06	0		100	0	0	66	
9	FOOD PREP		FOOD AND BEVERAGE SERVICE: KITCHENS (COOKING)	334	0	0	0	0	0		100	0.7	233.8	250	NEGATIVE PRESSURE
10	ELECTRICAL		NO REQUIREMENT	108	0	0	0	0	0		0	0	0	90	NEGATIVE PRESSURE
11	POOL	C	SPORTS & AMUSEMENT: SWIMMING POOLS (POOL & DECK AREA) WET DECK	1001		0	0	0.5	500.5		460	0	0	580	STAND ALONE DEHUMIDIFICATION SYSTEM WET DECK 710 * .5 = 355 CFM REQUIRED
	POOL EQUIPMENT		NO REQUIREMENT	144		0					100	0	0	114	
MAU ONLY	FIRST FLOOR CORRIDOR		PUBLIC SPACES: CORRIDOR	1539	0	0	0	0.06	92.34		400	0	0	90	2 AIR CHANGES PER HOUR
	MENS AND WOMENS		PUBLIC SPACES: TOILETS PUBLIC	120	0	0	0	0	0		150	50CFM/WC	100	160	50CFM PER WATERCLOSET/URINAL REQUIRED, NEGATIVE PRESSURE
	STORAGE		NO REQUIREMENT								150	0	0	66	
	SECOND FLOOR CORRIDOR		PUBLIC SPACES: CORRIDOR	1539		0		0.06	92.34		400	0	0	90	2 AIR CHANGES PER HOUR
	GUEST LAUNDRY		DRY CLEANERS, LAUNDRIES: COIN-OPERATED LAUNDRIES	54	20	1	7.5	0.06	10.74		75	0	0	90	NEGATIVE PRESSURE
	HOUSEKEEPING		NO REQUIREMENT	43							225	0	0	66	
	THIRD FLOOR CORRIDOR		PUBLIC SPACES: CORRIDOR	1539		0		0.06	92.34		400	0	0	90	2 AIR CHANGES PER HOUR
	HOUSEKEEPING AND STORAGE		NO REQUIREMENT	43							75	0	0	66	
	FOURTH FLOOR CORRIDOR		PUBLIC SPACES: CORRIDOR	1539		0		0.06	92.34		400	0	0	90	2 AIR CHANGES PER HOUR
	HOUSEKEEPING AND STORAGE		NO REQUIREMENT	43							75	0	0	66	
	KING	28	HOTELS: BEDROOM/LIVING RM	210	10	2	5	0.06	22.6		30	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY
	KING ALT ENTRY	6	HOTELS: BEDROOM/LIVING RM	260	10	2	5	0.06	25.6		30	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY
	KING ACC	1	HOTELS: BEDROOM/LIVING RM	418	10	4	5	0.06	45.08		45	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY
	KING SUITE	16	HOTELS: BEDROOM/LIVING RM	386	10	3	5	0.06	38.16		40	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY
	KING SUITE LONG	16	HOTELS: BEDROOM/LIVING RM	260	10	2	5	0.06	25.6		30	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY
	ACC. KING SUITE	1	HOTELS: BEDROOM/LIVING RM	495	10	4	5	0.06	49.7		50	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY
	QUEEN QUEEN SHOWER	32	HOTELS: BEDROOM/LIVING RM	329	10	3	5	0.06	34.74		35	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY
ALT ENTRY A QUEEN QUEEN	3	HOTELS: BEDROOM/LIVING RM	363	10	3	5	0.06	36.78		40	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY	
ALT ENTRY B QUEEN QUEEN	3	HOTELS: BEDROOM/LIVING RM	352	10	3	5	0.06	36.12		40	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY	
ACC. QUEEN QUEEN ROLL-IN	1	HOTELS: BEDROOM/LIVING RM	467	10	4	5	0.06	48.02		50	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY	
ACC QUEEN QUEEN	1	HOTELS: BEDROOM/LIVING RM	467	10	4	5	0.06	48.02		50	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY	
QUEEN QUEEN SUITE	1	HOTELS: BEDROOM/LIVING RM	484	10	4	5	0.06	49.04		50	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY	
QUEEN QUEEN SUITE ACC	1	HOTELS: BEDROOM/LIVING RM	494	10	4	5	0.06	49.64		50	50CFM/RM	50	50	EXHAUST FAN OPERATES INTERMITTENTLY	
										8150				1.25%	
															POSITIVE PRESSURE IN ENTIRE BUILDING

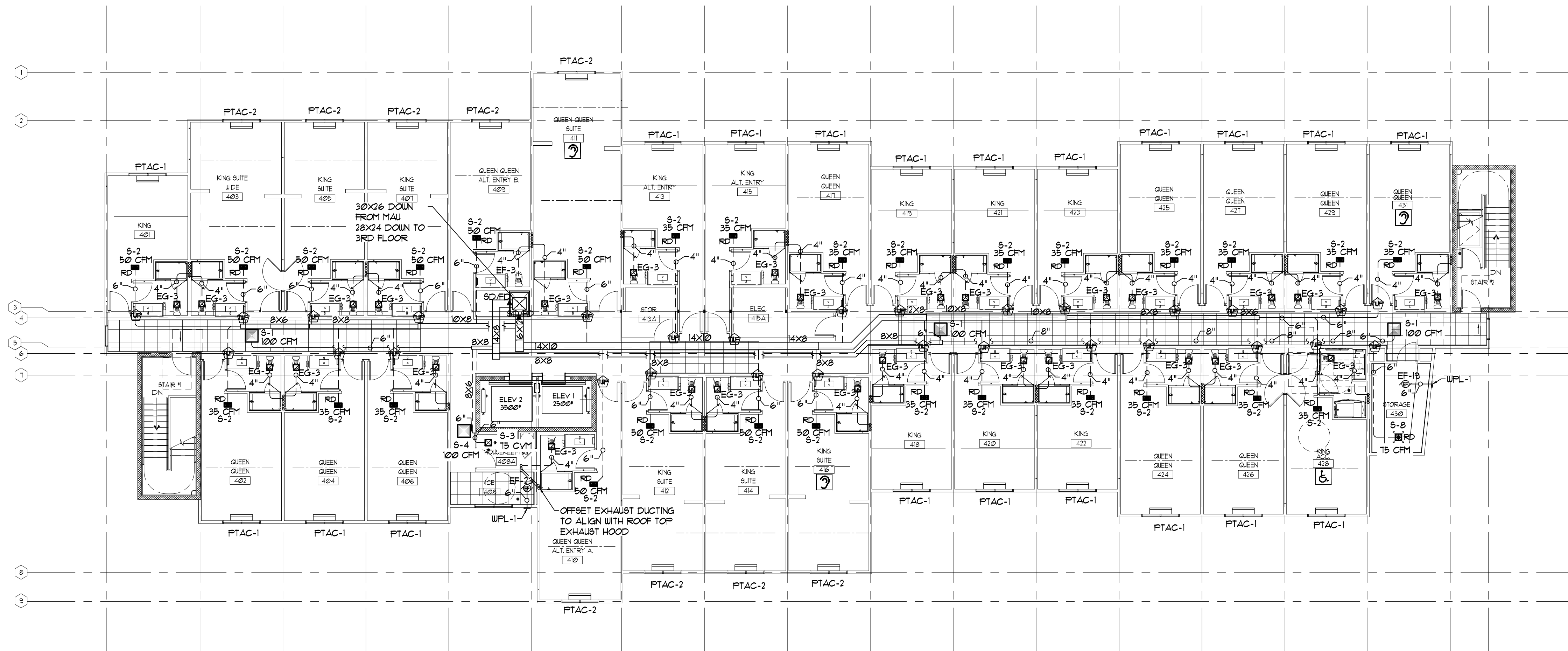


M1.1
FIRST FLOOR
PLAN





1 THIRD FLOOR PLAN
SCALE: 3/32" = 1'-0"



1 FOURTH FLOOR PLAN
SCALE: 3/32" = 1'-0"

ARCHITECTURAL GROUP III

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Fairfield
BY MARRIOTT

JOB TITLE

FAIRFIELD BY MARRIOTT

MARRIOTT #70960

PENDLETON, IN

A NEW 97 ROOM HOTEL

JOB NO.
24126

DATE
05/30/25

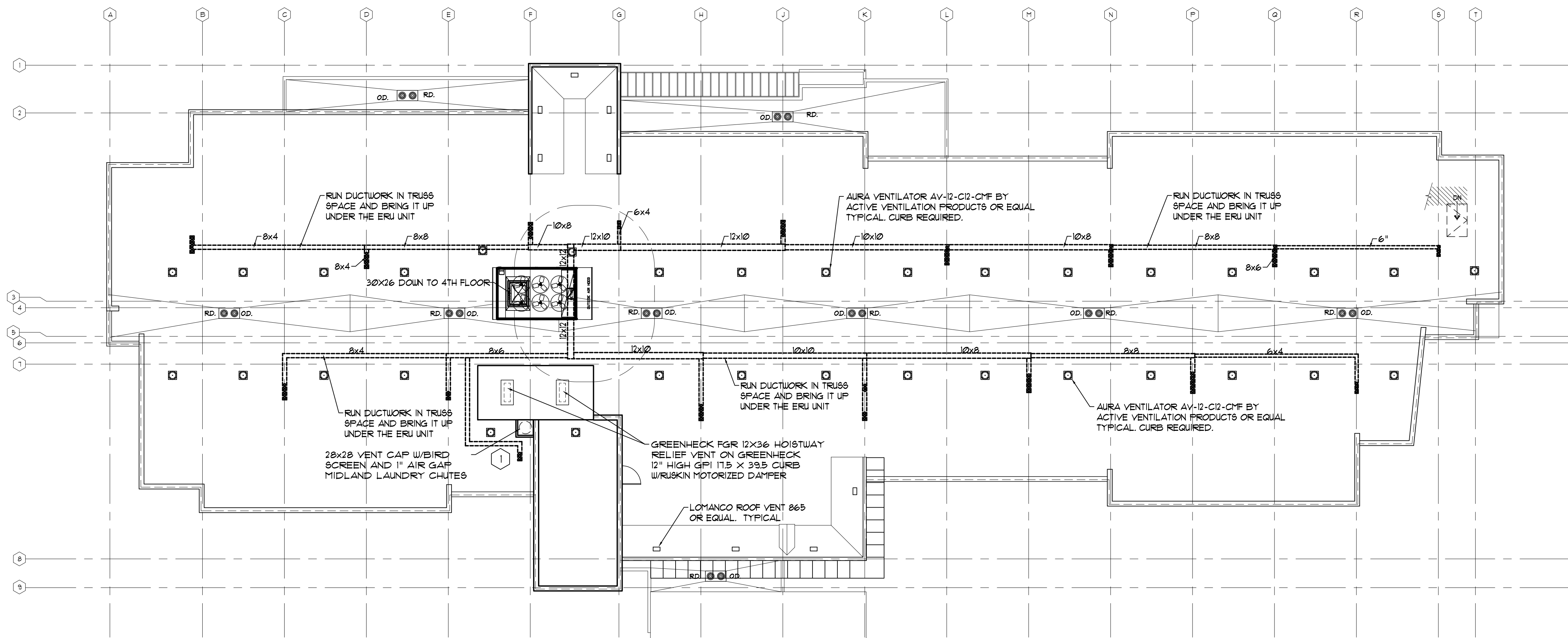
REVISIONS

PRELIMINARY NOT
FOR CONSTRUCTION

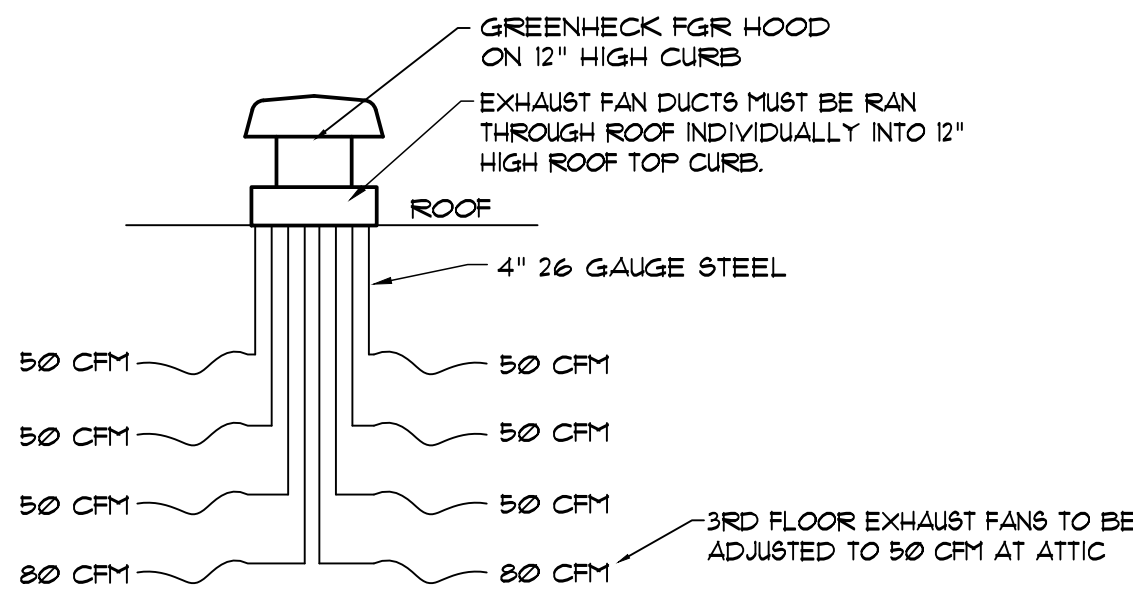
SHEET NO.

M1.4

FOURTH
FLOOR PLAN



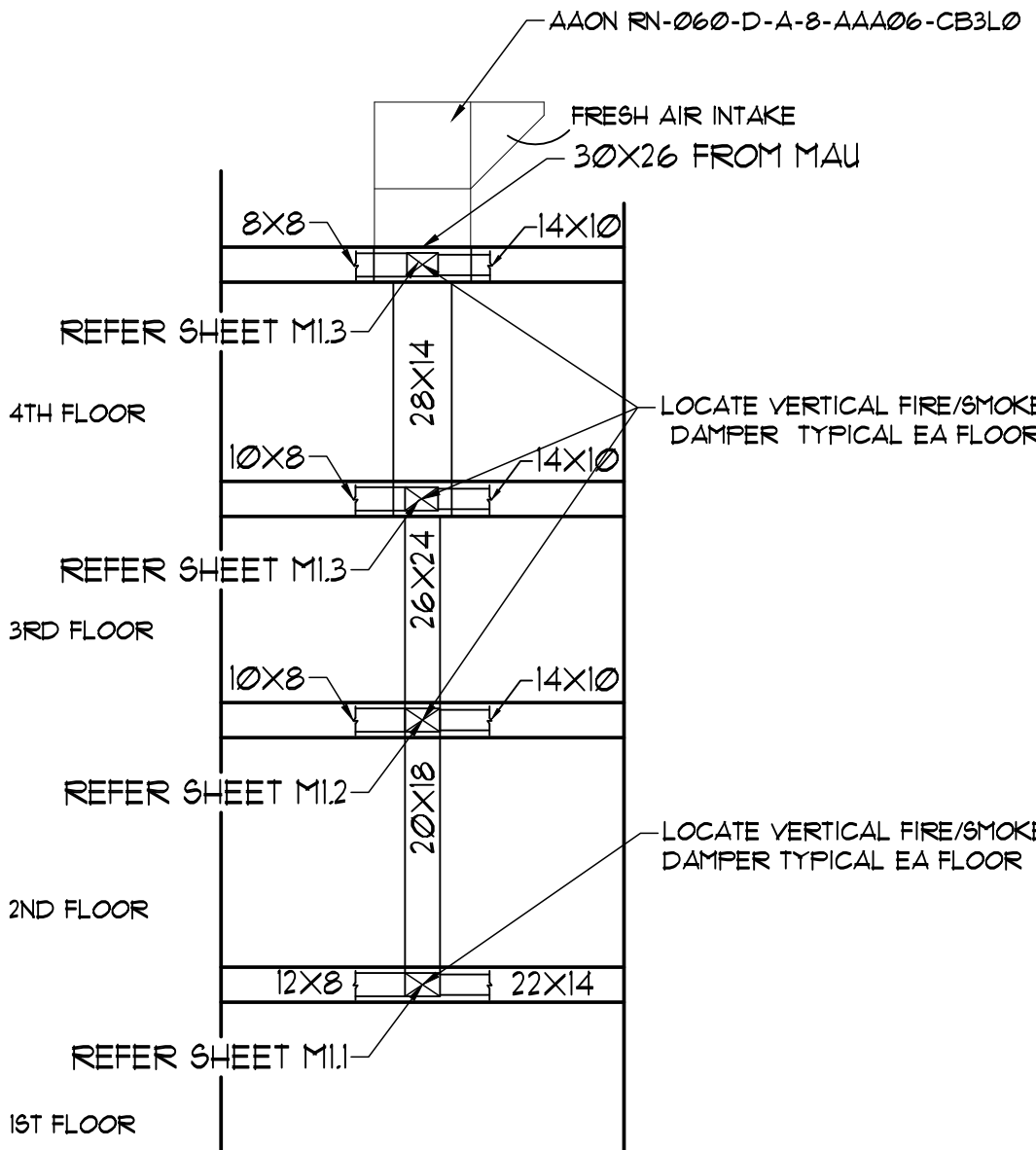
1 ROOF MECHANICAL PLAN
SCALE: 3/32" = 1'-0"



2 TYPICAL ATTIC INSTALLATION
SCALE: NOT TO SCALE

- 1 GREENHECK FGR 18X12 RELIEF HOOD ON GREENHECK 12" HIGH CURB
- 2 GREENHECK FGR 24X12 RELIEF HOOD ON GREENHECK 12" HIGH CURB
- 3 GREENHECK FGR 30X12 RELIEF HOOD ON GREENHECK 12" HIGH CURB
- 4 GREENHECK FGR 36X12 RELIEF HOOD ON GREENHECK 12" HIGH CURB
- 5 GREENHECK FGR 42X12 RELIEF HOOD ON GREENHECK 12" HIGH CURB

LOREN COOK GI/GR HOODS MAY BE SUBSTITUTED



3 MAU-2 SHAFT ELEVATION
SCALE: N.T.S.

Tag	Supply CFM	Outside CFM	Exhaust CFM	ESP (in wg)	Total Cap (MBH)	Sen Cap (MBH)	OADB	OAWB	HW Total Cap (MBH)	Coil EADB	Coil EAWB	Unit LADB	Unit LAWB	% RH	SA Fan HP	EA Fan HP	Heat Type	Heat EADB	Heat LADB	Heat Input (MBH)	Heat Output (MBH)	Voltage	Unit FLA	MCA	MOP	Op Weight	Model String
ERU-1	7715	7715	3000	1.5	550.3	282.8	90.7	79.9	182.5	84.9	74.8	75	60.9	44.6	10	2	Nat. Gas	27	86.5	600	486	208/340	213	221	250	7000	AAON RNA-040-D-A-8
Remarks:																											
1 Per Marriott Standards, only acceptable substitutions are Trane and Greenheck.																											
2 Space Conditions during cooling must be maintained at 75 degrees and 50% RH (MAX)																											
3 Refrigerant 454b																											
4 Units to have modulating hot gas re-heat for dehumidification (on/off not acceptable)																											
5 Units to have total energy recovery wheels with bypass dampers and defrost control																											
6 Units to have multi-stage compressors with hot gas bypass on ALL circuits																											
7 Units to have high turndown modulating gas heat furnaces with Stainless Steel HX carrying 25 year non-pro-rated warranty																											
8 Cabinet construction is 2" double wall with foam injected panels with R-13 insulation value																											
9 Outside air metal mesh pre-filter; 2" pleated filters - MERV 8																											
10 2500 Salt Spray Tested exterior paint																											
11 ECM Condenser fan motors for condenser head pressure control (VFD Condenser Fans acceptable)																											
12 Direct Drive Plenum Supply Fan with unit mounted VFD (belt driven fans not acceptable)																											
13 Remote safety shutdown contacts factory installed; Dust smoke detector provided by electrical and installed by mechanical																											
14 Fully welded insulated plenum curb with kinetics KIP-RT fiberglass pads (final curb height TBD at time of order)																											
15 Units shall include factory start-up and two (2) year parts and labor warranty for the entire unit, including refrigerant. Compressor warranty will extend an additional three (3) years - parts only.																											
16 Call Tom Whiteley with Hobbs & Associates - 443-534-7716 or email twwhiteley@hobbsassociates.com																											

