

VENTILATION SCHEDULE PER 2018 INTERNATIONAL MECHANICAL CODE													
ROOM No.	ROOM NAME	CATEGORY	FLOOR AREA SQ. FT.	ORDINANCE REQUIREMENT				ACTUAL VENT.				REMARKS	
				NUMBER OF OCCUPANTS AND/OR FIXTURES	AREA OUTDOOR AIRFLOW RATE	PEOPLE OUTDOOR AIRFLOW RATE	REQUIRED VENTILATION FOR EXHAUST (CFM)	SUPPLY CFM	OUTSIDE AIR CFM	EXHAUST CFM	EXHAUST FAN NUMBER		SUPPLY UNIT NUMBER
100	CUSTOMER SHOWROOM	RETAIL	730	16	0.12 CFM PER SQUARE FEET	7.5 CFM PER PERSON	207	1600	250	---	---	RTU-1	
101	UNISEX TOILET	TOILET ROOMS	62	1 FIXTURE	70 CFM PER FIXTURE	---	70	75	---	100	EF-2	RTU-1	EF-2 CONTROLLED BY RESTROOM OCCUPANCY SENSOR
102	OFFICE	OFFICE	62	1	0.06 CFM PER SQUARE FEET	5 CFM PER PERSON	9	150	25	---	---	RTU-1	
103	SHOP TOILET	TOILET ROOMS	40	1 FIXTURE	70 CFM PER FIXTURE	---	70	75	---	100	EF-2	RTU-1	EF-2 CONTROLLED BY RESTROOM OCCUPANCY SENSOR
104	BREAK AREA	LOCKER ROOM	102	4	0.25 CFM PER SQUARE FEET	---	26	100	---	50	EF-2	RTU-1	EF-2 CONTROLLED BY RESTROOM OCCUPANCY SENSOR
105	SERVICE BAYS	AUTOMOTIVE SERVICE STATION	3210	---	1.5 CFM PER SQUARE FEET	---	4815	---	5200	5200	EF-1	---	EF-1 CONTROLLED BY CO SENSOR
106	INVENTORY	UNOCCUPIED	1363	---	---	---	---	---	---	---	---	---	
107	UTILITY AREA	UNOCCUPIED	30	---	---	---	---	---	---	---	---	---	
	TOTAL		---				5197	2000	5475	5450			

AIR DISTRIBUTION DEVICE SCHEDULE							
MARK	TYPE	MANUFACTURER	MODEL #	FACE	STYLE	BORDER TYPE	FINISH
S-1	SUPPLY	AES	ADB-1	6x18	DROP BOX	DUCT MOUNT	PAINT PER ARCHITECTURAL PLANS
S-2	SUPPLY	TITUS	300RL	14x8	LOUVERED	DUCT MOUNT	PAINT PER ARCHITECTURAL PLANS
S-3	SUPPLY	TITUS	TMS	12x12	LOUVERED	SURFACE MOUNT (TYPE 1)	PAINT PER ARCHITECTURAL PLANS
T-1	TRANSFER	TITUS	350RL	14x8	LOUVERED	SURFACE MOUNT (TYPE 1)	PAINT PER ARCHITECTURAL PLANS
E-1	EXHAUST	TITUS	350	12x12	LOUVERED	SURFACE MOUNT (TYPE 1)	PAINT PER ARCHITECTURAL PLANS
E-2	EXHAUST	TITUS	350	8x8	LOUVERED	DUCT MOUNT	PAINT PER ARCHITECTURAL PLANS

ACCEPTABLE MANUFACTURERS FOR EQUIVALENT OF SCHEDULE PRODUCT (NO OTHER SUBSTITUTIONS WILL BE ALLOWED):  
 \* KRUEGER \* TUTTLE & BAILEY  
 \* MESTEK \* CARNES

NOTES:  
 - ROUND CONNECTION TO MATCH ROUND DUCT DIMENSION AS SHOWN ON FLOOR PLAN.  
 - SUPPLY AND RETURN AIR DIFFUSERS SHALL BE SELECTED AT A MAX NOISE CRITERIA OF 30.

GAS FIRED UNIT HEATER SCHEDULE										
TAG	AREA SERVING	MFR.	MODEL	MBH INPUT	MBH OUTPUT	AFLUE	CFM	WEIGHT	FLA	MOTOR
UH-1	INVENTORY	REZNOR	UDAS30	30	26.4	82	458	55	1.9	1/2 5

ACCEPTABLE MANUFACTURERS FOR EQUIVALENT OF SCHEDULE PRODUCT (NO OTHER SUBSTITUTIONS WILL BE ALLOWED):  
 \* STERLING \* LENNOX  
 \* MOORE

NOTES:  
 1. UNIT SHALL BE COMPLETE WITH CONTROL TRANSFORMER RELAY PACKAGE 24V REVERSE ACTING THERMOSTAT WITH NIGHT SETBACK.  
 2. PROVIDE SHUTOFF COCK AT EACH BURNER.  
 3. UNIT TO HAVE VERTICAL VENT TERMINAL AND CONCENTRIC ADAPTER.  
 4. VIBRATION ISOLATION HANGER RODS OR APPROVED EQUAL.

GAS FIRED U-TUBE RADIANT HEATER SCHEDULE										
TAG	MANUFACTURER	MODEL	INSET HGT	GAS CONNECTION	ELECTRICAL DATA		START DRAW	RUN DRAW	TUBE TYPE	TUBE LENGTH
RH-1,2,3,4	SPRAY	CS 30	50	1/2" Ø	120	1Ø	3 AMP	2.6 AMP	U-SHAPE	15 FT
RAD	FACE RAY	CS 30	30	1/2" Ø	120	1Ø	3 AMP	2.6 AMP	U-SHAPE	15 FT

ACCEPTABLE MANUFACTURERS FOR EQUIVALENT OF SCHEDULE PRODUCT (NO OTHER SUBSTITUTIONS WILL BE ALLOWED):  
 \* DETROIT RADIANT PRODUCTS / RE-VERBER-RAY  
 \* ROBERTS / GORDON, INC.

NOTES:  
 1. HEATERS SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.  
 2. EACH HEATER SHALL BE CONTROLLED BY A MANUFACTURER SUPPLIED LOW VOLTAGE NIGHT SETBACK DIGITAL THERMOSTATS, MOUNTED 4'-0" ABOVE THE FINISHED FLOOR. SEE MECHANICAL PLAN FOR LOCATIONS.  
 3. HEATERS SHALL BE "PULL (NEGATIVE PRESSURE OR VACUUM) THROUGH" SYSTEMS WITH CAST IRON BURNERS AND CALORIZED EMITTER TUBES (ALC OPTION). THE EMITTER TUBES SHALL BE CALORIZED FOR LONGEVITY, CORROSION RESISTANCE AND HIGH RADIANT EFFICIENCY. HOT ROLLED EMITTER TUBES ARE NOT ALLOWED.  
 4. HEATERS SHALL OPERATE UNDER A NEGATIVE PRESSURE AT ALL TIMES TO PRECLUDE THE ESCAPE OF COMBUSTION GASSES INSIDE OF THE BUILDING.  
 5. HEATERS SHALL BE FURNISHED WITH END REFLECTORS (2 - PAIRS).

GAS FIRED ROOFTOP UNIT SCHEDULE																	
TAG	MFR.	MODEL	NOMINAL TON	ENTERING AIR CONDITIONS	ARI SEER	SUPPLY CFM	RETURN CFM	O.A. CFM	TOTAL S.F.	PAN MOTOR HP	GAS MBH INPUT	GAS MBH OUTPUT	ELECTRICAL DATA			WT.	
RTU-1	LENNOX	KGB060	5	79.5°F DB 62.7°F WB @ 105°F AMBIENT	14.0	2000	1725	275	0.8	3/4	108	85	208	3Ø	20.8	35	1000

ACCEPTABLE MANUFACTURERS FOR EQUIVALENT OF SCHEDULE PRODUCT (NO OTHER SUBSTITUTIONS WILL BE ALLOWED):  
 \* CARRIER \* YORK  
 \* TRANE

NOTES:  
 1. MECHANICAL UNIT SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.  
 2. PROVIDE UNIT WITH UNPOWERED CFM3 CONVENIENCE OUTLET.  
 3. PROVIDE NEW FILTERS IN UNIT AFTER ALL DUCTWORK HAS BEEN COMPLETED AND PRIOR TO TEST AND BALANCING OF UNIT.  
 4. PROVIDE WITH DIFFERENTIAL ENTHALPY TYPE ECONOMIZER WITH BAROMETRIC RELIEF DAMPER.  
 5. PROVIDE UNIT WITH 14" HIGH ROOF CURB WITH SECURITY BARS.  
 6. PROVIDE UNIT WITH FACTORY INSTALLED HINGED ACCESS PANELS.  
 7. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.  
 8. PROVIDE WITH FACTORY MOUNTED SUPPLY AND RETURN AIR SMOKE DETECTORS.  
 9. PROVIDE UNIT WITH WATER SENSING SWITCH IN CONDENSATE PAN. HIGHER THAN PRIMARY DRAIN LINE CONNECTION AND BELOW THE OVERFLOW RIM. UNIT SHALL SHUT DOWN UPON ALARM FROM SWITCH.

EXHAUST FAN SCHEDULE									
TAG	DESCRIPTION	MFR.	MODEL	CFM	ESH	HP	PHASE	VOLTS	NOTES
EF-1	SERVICE AREA EXHAUST FAN	COOK	ACE-2	100	1.0	2.0	3	208	1,2,4,5,6
EF-2	TOILET EXHAUST FAN	COOK	ACE-2	250	.5	0.25	1	115	1,3,5,6

ACCEPTABLE MANUFACTURERS FOR EQUIVALENT OF SCHEDULE PRODUCT (NO OTHER SUBSTITUTIONS WILL BE ALLOWED):  
 \* GREENHECK \* FAN

NOTES:  
 1. PROVIDE WITH 14" ROOF CURB, BACKDRAFT DAMPER AND BIRD SCREEN.  
 2. ALL THREE PHASE EXHAUST FANS ARE TO BE COMPLETE WITH COMBINATION MAGNETIC MOTOR STARTER, PROVIDED BY ELECTRICAL CONTRACTOR. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.  
 3. INTERLOCKED WITH TOILET ROOM LIGHTING. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.  
 4. ACTIVATED BY TOXALERT C.O. SENSOR.  
 5. ALL DISCONNECTS PROVIDED BY ELECTRICAL CONTRACTOR.  
 6. ALL SWITCHES, INTERLOCKS, RELAYS, TRANSFORMERS, TIMECLOCKS, ETC., SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE ELECTRICAL PLANS.

ROOF HOOD SCHEDULE										
TAG	DESCRIPTION	MFR.	MODEL	CFM	NECK SIZE (IN)	DAMPER			NOTES	
RH-1	TOX ALERT INTAKE ROOF HOOD	COOK	24x36G1	5200	24 x 36	FRAC	1	115	---	1,2,3,4,5

ACCEPTABLE MANUFACTURERS FOR EQUIVALENT OF SCHEDULE PRODUCT (NO OTHER SUBSTITUTIONS WILL BE ALLOWED):  
 \* GREENHECK

NOTES:  
 1. PROVIDE WITH BIRD / INSECT SCREEN.  
 2. PROVIDE WITH 120 VOLT MOTORIZED DAMPER INTERLOCKED WITH EF-1.  
 3. ALL MOTORIZED DAMPERS SHALL BE WIRED TO BE OPEN WHEN CORRESPONDING EQUIPMENT IS ENERGIZED.  
 4. ALL DAMPERS SHALL DEFAULT TO SPRING SHUT WHEN POWER LOSS OCCURS OR WHEN NOT IN USE.  
 5. PROVIDE WITH MANUFACTURER'S 14" ROOF CURB.

ELECTRIC UNIT HEATER SCHEDULE										
TAG	AREA SERVING	MFR.	MODEL	BTUH	MOUNTING	ELECTRICAL DATA				NOTES
EUH-1	FIRE/SPRINKLER	QMARK	AWH4404	10,235	WALL MOUNT	3	208	1	14.4	1,2,3

NOTES:  
 1. PROVIDE FACTORY INSTALLED DISCONNECT SWITCH.  
 2. UNIT TO BE CONTROLLED BY THERMOSTAT IN FIRE RISER ROOM.  
 3. PROVIDE WITH RECESS MOUNTING ENCLOSURE.

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NEW FCAC STORE  
 2020 I  
 285 DAWSONVILLE HIGHWAY SW  
 GAINESVILLE, GA 30501



ISSUE BLOCK	
10/20/20	REV #1
10/02/20	REV #2
10/16/20	REV #4
11/13/20	#FC

PROPERTY NO.: 180109  
 6 DIGIT NO.: 908074  
 4 DIGIT NO.: 78H3  
 AOR PROJECT NUMBER: 1955855  
 TO PERMIT DATE: 04/08/20  
 TO BID DATE: ##-##-##

SHEET TITLE:  
**MECHANICAL EQUIPMENT SCHEDULES**  
 SHEET NUMBER:  
**M3**