

VENTILATION SCHEDULE PER 2015 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 OR 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	
102	OFFICE	OFFICE	62	1	0.06 CFM PER SQUARE FEET	5 CFM PER PERSON	9	200	25	---	---	RTU-1	
103	UNISEX TOILET ROOM	TOILET ROOMS	62	1 FIXTURE	70 CFM PER FIXTURE	---	70	75	---	100	EF-2	RTU-1	EF-2 CONTROLLED BY RESTROOM OCCUPANCY SENSOR
104	LOCKER ROOM	LOCKER ROOM	102	4	0.25 CFM PER SQUARE FEET	---	26	125	---	50	EF-2	RTU-1	EF-2 CONTROLLED BY RESTROOM OCCUPANCY SENSOR
105	SHOP TOILET	TOILET ROOMS	40	1 FIXTURE	70 CFM PER FIXTURE	---	70	---	---	100	EF-2	RTU-1	EF-2 CONTROLLED BY RESTROOM OCCUPANCY SENSOR
108	SERVICE AREA	AUTOMOTIVE SERVICE STATION	3210	----	1.5 CFM PER SQUARE FEET	---	4815	---	5000	5000	EF-3	---	EF-3 CONTROLLED BY CO SENSOR
109	INVENTORY	WAREHOUSE	1393	----	0.06 CFM PER SQUARE FEET	---	84	---	300	300	EF-1	---	EF-1 CONTROLLED BY OCCUPANCY SENSOR
	TOTAL		---				6342	2000	5575	5550			

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

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	AFUE	CFM	WEIGHT	FLA	ODCP	PHASE	VOLTS
UH-2	INVENTORY	REZNOR	UDAS30	30	26.4	82	456	55	1.9	15	1	115
UH-3	SERVICE BAYS	REZNOR	UDAS30	30	26.4	82	456	55	1.9	15	1	115
UH-4	SERVICE BAYS	REZNOR	UDAS30	30	26.4	82	456	55	1.9	15	1	115
UH-5	SERVICE BAYS	REZNOR	UDAS30	30	26.4	82	456	55	1.9	15	1	115
UH-6	SERVICE BAYS	REZNOR	UDAS30	30	26.4	82	456	55	1.9	15	1	115

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

NOTES:
 1. UNIT SHALL BE COMPLETE WITH CONTROL TRANSFORMER BATTERY 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 ROOFTOP UNIT SCHEDULE																	
TAG	MFR	MODEL	NOMINAL TON	ENTERING AIR CONDITIONS	ARI SEER	SUPPLY CFM	RETURN CFM	O.A. CFM	TOTAL S.P.	FAN MOTOR HP	GAS MBH		ELECTRICAL DATA			WT.	
											INPUT	OUTPUT	VOLTS	PHASE	FLA	MCCP	
RTU-1	LENNOX	KGB060	5	94.6°F DB 77.6°F WB @ 100°F AMBIENT	14.0	2000	1725	275	0.8	3/4	108	86	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 GFCI CONVENIENCE OUTLET.
 3. INSTALL 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.

EXHAUST FAN SCHEDULE									
TAG	DESCRIPTION	MFR.	MODEL	CFM	HP	MOTOR		NOTES	
					HP / WATTS	PHASE	VOLTS		
EF-1	INVENTORY PROPELLER FAN	COOK	10XP240	300	.15	20	1	115	1, 6, 8, 9
EF-2	TOILET EXHAUST FAN	COOK	70A	20	.5	1/6	1	115	3, 5, 6
EF-3	SERVICE AREA EXHAUST FAN	COOK	2400N-B	5000	1.0	2.0	3	208	2, 4, 6, 7

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

NOTES:
 1. ALL PROPELLER FANS TO BE COMPLETE WITH WALL COLLAR, SIDE GUARD, BACK DRAFT DAMPER AND SPEED CONTROLLER.
 2. ALL PHASE EXHAUST FANS ARE TO BE COMPLETE WITH COMBINATION MAGNETIC MOTOR STARTER. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 3. CONTROLLED BY RESTROOM OCCUPANCY SENSORS. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
 4. ACTIVATED BY C.O. SENSOR. MOUNT FAN AS HIGH AS POSSIBLE.
 5. PROVIDE WITH 14" ROOF CURB WITH BURGLAR BARS AND BACKDRAFT DAMPER FOR CURB SUPPLIED BY MANUFACTURER.
 6. ALL DISCONNECTS PROVIDED BY ELECTRICAL CONTRACTOR.
 7. SERVICE BAY INLINE FAN TO BE COMPLETE WITH VIBRATION ISOLATION, SUSPENSION RODS, FLANGE DUCT CONNECTION, SIDE DISCHARGE PACKAGE AND BELT GUARD.
 8. EXHAUST FAN ASSEMBLY SHALL BE SHIPPED "PRIMED" FOR FIELD PAINTING. COORDINATE COLOR WITH GENERAL CONTRACTOR.
 9. INTERLOCK WITH ROOM OCCUPANCY SENSORS. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.

LOUVER SCHEDULE												
TAG	DESCRIPTION	MFR.	MODEL	CFM	SIZE		FREE AREA	DAMPER				NOTES
					W	H		HP	PHASE	VOLTS	MODEL	
L-1	INVENTORY INTAKE LOUVER	RUSKIN	ELC445D	300	18 x 18	0.64	FRAC.	1	115	---	---	2,3,5,6,7
L-2	SERVICE AREA INTAKE LOUVER	RUSKIN	ELC445D	2500	36 x 36	3.39	FRAC.	1	115	---	---	2,4,5,6,7
L-3	SERVICE AREA EXHAUST LOUVER	RUSKIN	ELC445D	2500	36 x 36	3.39	FRAC.	1	115	---	---	2,4,5,6,7
L-4	SERVICE AREA INTAKE LOUVER	RUSKIN	ELBD375E	5000	42 x 42	5.57	---	---	---	---	---	1,2,5

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

NOTES:
 1. DRAINABLE COMBINATION LOUVER PROVIDED WITH A GRAVITY BACKDRAFT DAMPER.
 2. LOUVERS TO BE PRIMED FOR FIELD PAINTING AND PROVIDED WITH BIRD / INSECT SCREEN.
 3. DRAINABLE COMBINATION LOUVER WITH 120 VOLT MOTORIZED DAMPER INTERLOCKED WITH EF-1.
 4. DRAINABLE COMBINATION LOUVER WITH 120 VOLT MOTORIZED DAMPER INTERLOCKED WITH EF-3.
 5. COORDINATE MOUNTING LOCATION WITH ARCHITECTURAL ELEVATIONS AND GENERAL CONTRACTOR.
 6. ALL MOTORIZED DAMPERS SHALL BE WIRED TO BE OPEN WHEN CORRESPONDING EQUIPMENT IS ENERGIZED.
 7. ALL DAMPERS SHALL DEFAULT TO SPRING SHUT WHEN POWER LOSS OCCURS OR WHEN NOT IN USE.

Order Plans @



NEW FCAC STORE
 2019 - JANUARY - SMALL I
 233 S AIRLINE HWY
 GONZALES, LA

BID SET
 11.18.19
 TRCI

ISSUE BLOCK
 11/11/19 CB #1

PROPERTY NO.: 160013
 6 DIGIT NO.: 902556
 4 DIGIT NO.: 014W

AOR PROJECT NUMBER: 1955827
 TO PERMIT DATE: 7-30-2019
 TO BID DATE: ##-##-##

SHEET TITLE:
 MECHANICAL EQUIPMENT SCHEDULES

SHEET NUMBER:
M3