

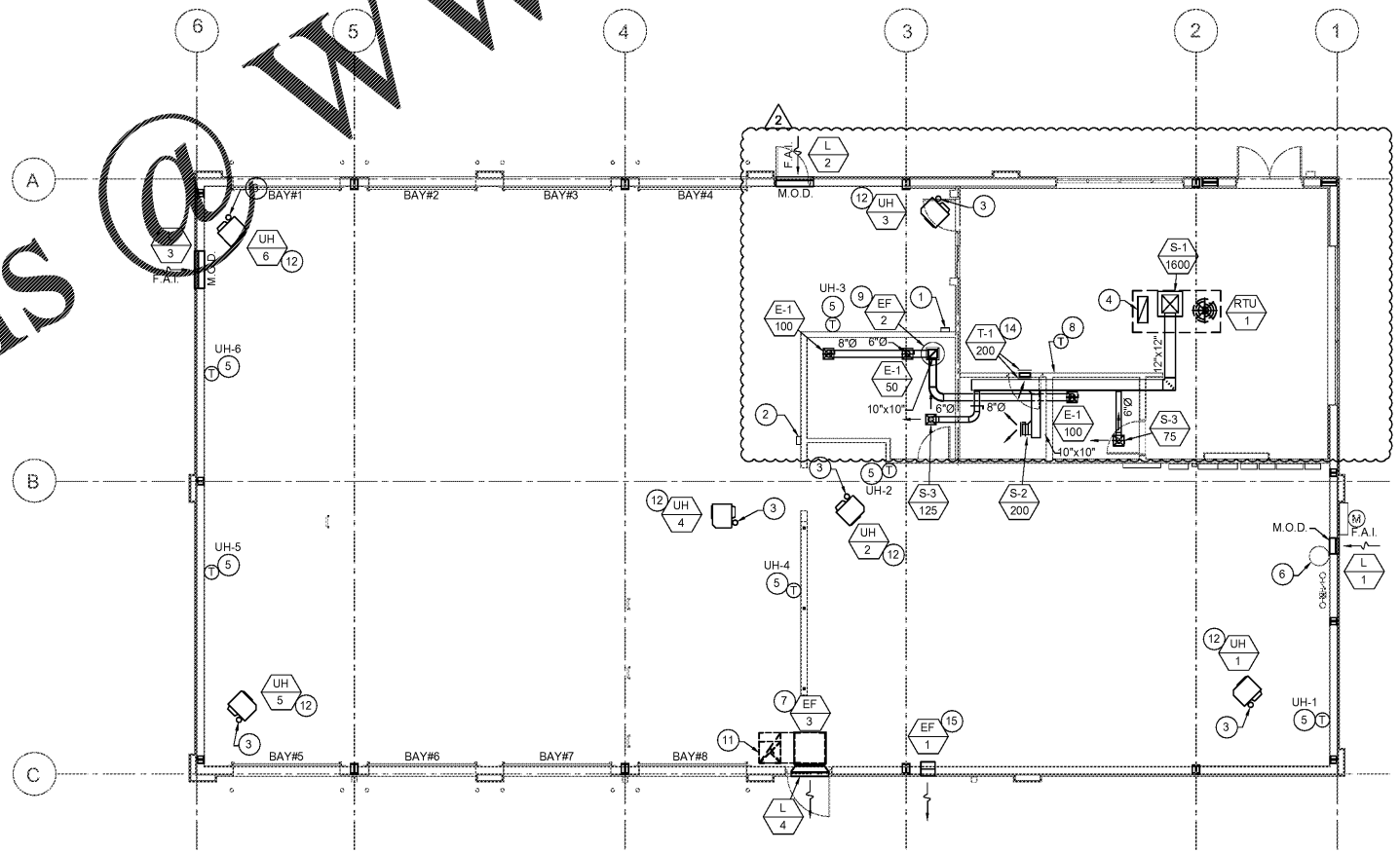
Order Plans

MECHANICAL SYMBOLS LIST			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY DUCTWORK		MANUAL VOLUME DAMPER
	RETURN DUCTWORK		FIRE DAMPER
	EXHAUST DUCTWORK		MOTOR OPERATED DAMPER
	SUPPLY DIFFUSER		FRESH AIR INTAKE
	RETURN GRILLE		TURNING VANES IN ELBOW
	EXHAUST GRILLE		SMOKE DETECTOR
	THERMOSTAT		DIFFUSER TYPE
	RISE IN DUCTWORK		DIFFUSER AIR QUANTITY
	DROP IN DUCTWORK		EQUIPMENT TYPE
			EQUIPMENT TAG

- ### MECHANICAL GENERAL NOTES
- PROVIDE TOXALERT, INC. VENTILATION CONTROL SYSTEM COMPLETE WITH (1) CONTROL UNIT, MODEL (GVU-1) AND (1) CO SENSOR, MODEL (GVU-CO), (RANGE 0 TO 250 PPM). PROVIDE OPTIONAL AUDIBLE ALARM WITH SILENCE SWITCH FOR SECOND STAGE ALARM LEVELS. MANUAL OVERRIDE "PURGE" SWITCH OPTION, AND LABELED LED INDICATORS ON FACE OF CONTROLLER (POWER ON, FAN ON AND POWER TO SENSOR). REMOTE SENSOR SHALL BE TEMPERATURE AND HUMIDITY COMPENSATED AND COMPLETE WITH LED'S INDICATING: NORMAL OPERATION, HIGH CO AND MALFUNCTION.
 - VERIFY DIMENSIONS OF UNIT HEATER. LOCATION WITH MANUFACTURER BEFORE INSTALLATION AND COORDINATE WITH LIFT INSTALLER.
 - NO GOOSE NECK OR DOWNTURNS ON LOUVERS OR VENT COVERS TO BE USED.
 - VENTS, LOUVERS ETC. NOT TO CONFLICT WITH SIGN LOCATIONS. COORDINATE ALL PENETRATIONS WITH ARCHITECTURAL ELEVATIONS, SIGNAGE DRAWINGS AND GENERAL CONTRACTOR PRIOR TO ROUGH IN.
 - COORDINATE ALL VENT AND EXHAUST FAN PENETRATIONS THRU THE ROOF, WALLS AND FLOORS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
 - REFER TO FIXTURE PLAN SHEET FOR FINAL LOCATIONS AND QUANTITIES OF ALL OPERATIONS EQUIPMENT.
 - ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED STEEL SHEET METAL AND SHALL BE FABRICATED ACCORDING TO THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARD OF METAL AND FLEXIBLE DUCTWORK. UNDER NO CIRCUMSTANCE SHALL DUCT BOARD BE ALLOWED.
 - ALL DUCTWORK DIMENSIONS SHOWN ON PLANS ARE CLEAR DIMENSIONS. WHERE INTERNAL DUCT LINER REQUIRED BY SPECIFICATIONS, CONTRACTOR SHALL ADJUST DUCTWORK SIZES ACCORDINGLY.
 - ALL INSULATION, JOINING MATERIALS, SEALER, ETC. SHALL HAVE A U.L. FLAME SPREAD CLASSIFICATION OF NO MORE THAN 25 AND A SMOKE DEVELOPMENT RATING NOT MORE THAN 50.
 - ALL EXPOSED DUCTWORK SHALL BE INTERNALLY LINED. REFER TO SPECIFICATIONS FOR DUCT LINER SPECIFIC REQUIREMENTS.
 - ALL SERVICE BAYS SHALL HAVE OWNER-PROVIDED CRUSHED ROOF TUBING CO. EXHAUST SOURCE CAPTURE SYSTEM. SYSTEM SHALL BE OUT-OF-DOOR WITH ALL REQUIRED FITTINGS AND ADAPTORS.

- ### KEYED PLAN NOTES - THIS SHEET
- TOXALERT CONTROLLER. SEE MECHANICAL GENERAL NOTES FOR FURTHER INFORMATION.
 - TOXALERT CO SENSOR. MOUNT AT 6'-0" A.F.F. SET SENSOR AT 50 ppm. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
 - CONCENTRIC FLUE UP THRU ROOF. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL ON SHEET M2 FOR FURTHER INFORMATION.
 - ROUTE FULL SIZE RETURN DUCT 6" BELOW DECK. END OPEN AND COVER WITH 1/2"x1/2" GALVANIZED HARDWARE CLOTH.
 - LOW VOLTAGE THERMOSTAT SUPPLIED BY MANUFACTURER WITH EACH PIECE OF EQUIPMENT. THERMOSTAT TO BE INSTALLED ON AN INSULATED SUBBASE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND MOUNTED SO THAT THE HIGHEST OPERABLE CONTROL IS NOT MORE THAN 48" AFF. COORDINATE MOUNTING LOCATION SO THERMOSTAT IS NOT LOCATED BEHIND SERVICE EQUIPMENT.
 - ROUTE WATER HEATER FLUE AND INTAKE TIGHT TO WALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PROVIDE REQUIRED CLEARANCES FROM WALL AND FLOOR.
 - SERVICE BAY EXHAUST FAN SHALL BE MOUNTED TO ELBOW OF DUCTWORK WITH THE FAN HAVING A BOTTOM INLET AND SIDE EXHAUST. COORDINATE MOUNTING HEIGHT AND LOCATION WITH LOUVER LOCATION SHEET. ELEVATIONS, FAN SHALL BE MOUNTED AS HIGH AS POSSIBLE. COORDINATE WITH ALL DISCIPLINES PRIOR TO INSTALLATION.
 - THE CONTRACTOR SHALL FURNISH HIS OWN T7300 THERMOSTAT (OR EQUAL) WITH INSULATED SUBBASE. THERMOSTAT TO BE 7 DAY PROGRAMMABLE WITH 4 SETBACK PERIODS PER DAY. THERMOSTAT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. MOUNT THERMOSTAT SO THAT THE HIGHEST OPERABLE CONTROL IS NOT MORE THAN 48" AFF.
 - MOUNT RESTROOM EXHAUST FAN ON ROOF PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. TRANSITION EXHAUST DUCT AS REQUIRED TO MAKE CONNECTION TO EXHAUST SYSTEM.
 - NOT USED.
 - DROP 24"x24" EXHAUST DUCT DOWN IN LOCATION SHOWN. MOUNT DUCTWORK TO WALL AND TRANSITION AS REQUIRED TO FAN. TERMINATE AT 3' A.F.F. REFER TO DETAIL ON SHEET M2 FOR FURTHER INFORMATION.
 - MOUNT GAS FIRED UNIT HEATER TO STRUCTURE AS HIGH AS POSSIBLE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO DETAIL ON SHEET M2 FOR ADDITIONAL INFORMATION.
 - NOT USED.
 - MOUNT BOTTOM OF TRANSFER GRILLE AT 12'-0" AFF MINIMUM.
 - MOUNT EXHAUST FAN ABOVE INVENTORY TIRE RACKING. COORDINATE WITH ARCHITECT AND ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION.

NOTE:
 CONTRACTOR SHALL REFER TO SHEET A3 - ROOF PLAN FOR ACCEPTABLE APPROXIMATE LOCATIONS OF ROOF PENETRATIONS.



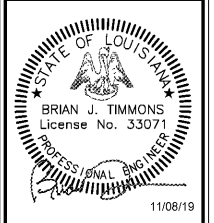
1 MECHANICAL PLAN
 M1 SCALE: 1/8" = 1'-0"

BID SET
 11.18.19
 TRCI



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



ISSUE BLOCK	
Δ	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 PLAN
 AND NOTES

SHEET NUMBER:
M1