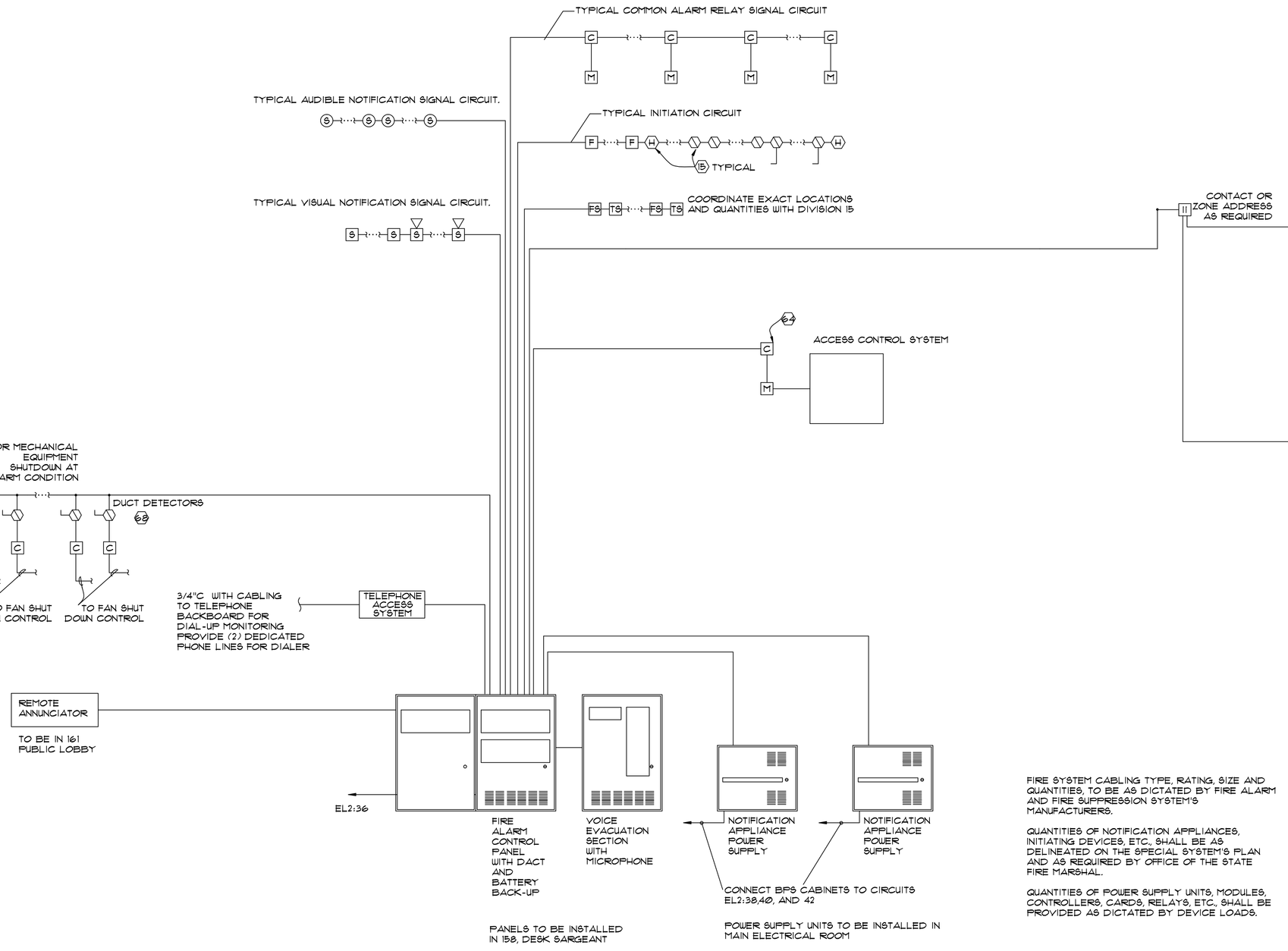

PROVIDE A COMPLETE, CODE COMPLIANT CLEAN AGENT, DRY CHEMICAL FIRE SUPPRESSION SYSTEM TO SERVE THE FOUR ROOMS INDICATED, INCLUDING ALL NECESSARY AND REQUIRED WIRING, CABLING, CONNECTIONS, SOLENOID VALVES, NOTIFICATION CIRCUITS AND APPLIANCES, DAMPER RELAYS AND OUTPUT SIGNALS, DETECTORS, PULLSTATIONS, POWER SHUTDOUN SWITCHES, ETC. PROVIDE MAIN PANEL AND MIMIC SUB-PANELS, WITH INTEGRAL DC SOURCE (BATTERY) BACKUP, ALL INTERFACED AND INTERCONNECTED TO ACCOMMODATE COMMON TANK FARM. ALL CABLES AND/OR CONDUCTORS WILL BE PROVIDED IN RATINGS, SIZES, ETC. AS DICTATED BY CLEAN AGENT FIRE SUPPRESSION SYSTEM VENDOR AND MANUFACTURER RECOMMENDATIONS.

PROVIDE PLACARD SIGNS AS REQUIRED BY CODE FOR DISCHARGE WARNING AND ACTION TO BE TAKEN. PLACARDS AND NOTIFICATION APPLIANCES TO BE PROVIDED WITHIN EACH ROOM AND OUTSIDE OF EACH ROOM ADJACENT TO THE ENTRY DOORS.

COORDINATE WITH DIVISION 15 FOR REQUIREMENTS RELATED TO DAMPER CLOSURE, SOLENOID CONNECTIONS, AND ALL INTERCONNECTION WITH MECHANICAL EQUIPMENT AND CONTROLS. PROVIDE ALL WORK, MATERIAL AND COMPONENTS NEEDED.

FIRE SUPPRESSION SYSTEM - SEQUENCE OF EVENTS

	EMERGENCY POWER SHUT-DOWN BUTTON ACTIVATION	** FIRE SUPPRESSION BUTTON ACTIVATION (DEPRESSED)	ABORT BUTTON ACTIVATION	SUPPLEMENTAL COOLING UNIT DUCT DETECTOR	ALARM SILENCE SWITCH	OPEN, SHORT OR GROUND FAULT ON FIELD WIRING	PANEL RESET
ACTIVATE CLEAN AGENT FIRE SUPPRESSION CONTROL PANEL ALARM	♦	♦	♦	♦	♦	♦	
ACTIVATE CLEAN AGENT FIRE SUPPRESSION CONTROL PANEL TROUBLE	♦	♦		♦	♦		♦
GRAPHIC ANNUNCIATOR INDIVIDUAL ILLUMINATION	♦	♦		♦	♦		
RELEASE FM200 EXTINGUISHMENT AGENT						♦	
** ABORT RELEASE OF FM200 EXTINGUISHMENT AGENT			♦				
SILENCE ALL CONTROL PANEL NOTIFICATION APPLIANCES							♦
SIGNAL BUILDING'S MAIN FIRE ALARM CONTROL PANEL	♦		♦	♦	♦	♦	♦
ACTIVATE CLEAN AGENT SYSTEM VISUAL APPLIANCES	♦			♦		♦	
ACTIVATE CLEAN AGENT SYS PRE-DISC AUDIBLE APPLIANCES		♦					
ACTIVATE CLEAN AGENT SYS DISCHARGE AUDIBLE APPLIANCES			♦				♦
* START PRE-DISCHARGE TIME-DELAY (Ø - 60 SECONDS)		♦					
CLOSE ALL HVAC DUCT DAMPERS - DATA PROCESSING ROOM		♦	♦				
SHUNT-TRIP SUPPLEMENTAL COOLING UNIT	♦			♦			
SHUNT-TRIP CIRCUIT RELAY RESPECTIVE TO ROOM ALARM ACTIVATED			♦		♦	♦	♦

COORDINATE SEQUENCE-OF-EVENTS WITH DIVISION 15 CLEAN AGENT FIRE SUPPRESSION SYSTEM SPECIFICATIONS.
PLACE A FLACARD UNDERNEATH THE AGENT DISCHARGE HORN STATING : "DO NOT ENTER WHEN HORN ACTIVATES"

NOTE - ALL INITIATING DEVICS AND NOTIFICATION DEVICES SHALL BE LABELED TO DISTINGUISH THE DIFFERENCE BETWEEN THE FM200 FIRE SUPPRESSION SYSTEM INITIATING DEVICES AND NOTIFICATION APPLIANCES AND THE BUILDING'S INITIATING DEVICES AND NOTIFICATION APPLIANCES.

* = ABORT SEQUENCE ENABLED.
** = ABORTED ONLY WHILE PUSH-BUTTON DEPRESSED UNLESS FM200 SYSTEM CONTROL PANEL RESET.
*** = TIME DELAY SEQUENCE COMPLETE.

1. ILLUMINATES "ALARM" LAMP
2. ILLUMINATES "PRE-DISCHARGE" LAMP
3. ILLUMINATES "SYSTEM-FIRED" LAMP

FIRE ALARM SYSTEM SEQUENCE OF EVENTS

	OPEN, SHORT OR GROUND FAULT ON FIELD WIRING	DUCT SMOKE DETECTOR ACTIVATION	*MANUAL PULL STATION ACTIVATION	HEAT DETECTOR ACTIVATION	SMOKE DETECTOR ACTIVATION	ALARM SILENCE SWITCH	TAMPER SWITCH ACTIVATION	FLOW SWITCH ACTIVATION	PANEL RESET	MASS NOTIFICATION
ACTIVATE MAIN BUILDING PANEL ALARM	♦	♦	♦	♦			♦		♦	
SILENCE MAIN BUILDING PANEL ALARM								♦		♦
ACTIVATE STROBE AND STROBE/SPEAKER APPLIANCES	♦	♦	♦	♦					♦	
ACTIVATE VOICE EVACUATION SYSTEM										♦
DACT - TRANSMIT CONDITION TO REMOTE STATION	♦	♦	♦	♦			♦	♦		
ACTIVATE SHUNT-TRIP COILS										
MAIN BUILDING PANEL RETURN TO NORMAL STATUS										♦
ACTIVATE TROUBLE CONDITION								♦		

FIRE ALARM SYSTEM CLASSIFIED AS A REMOTE SUPERVISING STATION. ALARM INITIATION SHALL BE THROUGH SMOKE DETECTION DEVICES, HEAT DETECTION DEVICES AND MANUAL PULL DEVICES. OCCUPANT NOTIFICATION SHALL BE WITH STROBE, SPEAKER AND COMBINATION STROBE/SPEAKER NOTIFICATION APPLIANCES AND SHALL INCLUDE EMERGENCY VOICE EVACUATION NOTIFICATION. ALL NOTIFICATION APPLIANCES SHALL BE ADA COMPLIANT. ALL FIRE ALARM SYSTEM EQUIPMENT AND RELATED FEATURES SHALL BE UL. LISTED FOR ITS INTENTED USE.

OCCUPANCY CLASSIFICATION - MIXED USE: ASSEMBLY/ BUSINESS

1 FIRE SYSTEMS RISER DIAGRAM

NO SCALE

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Project Number: 0687

Date Issued: 05/15/07
Drawn By: EDA
Checked By: EDA

Revisions:

ST. TAMMANY PARISH SHERIFF'S OFFICE

BROWNSWITCH ROAD
SLIDELL, LOUISIANA

CONSTRUCTION DOCUMENTS

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