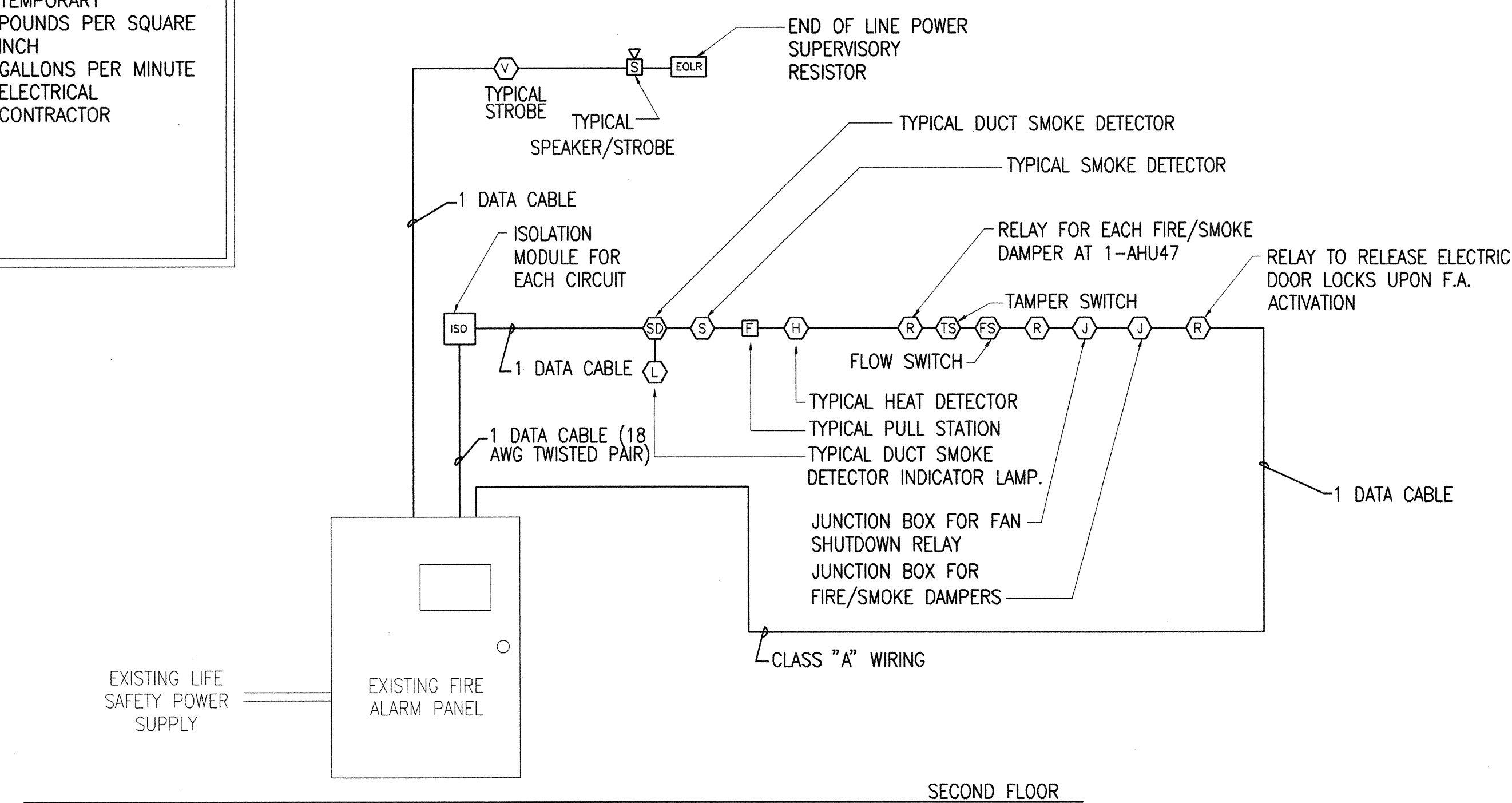


ABBREVIATIONS:							
1PH	SINGLE-PHASE	CU	COPPER		OVERCURRENT PROTECTION	UON	LABORATORY UNLESS OTHERWISE NOTED
2/C	TWO-CONDUCTOR	DB	DECIBEL OR DIRECT	MLO	MAIN LUGS ONLY		
3/C	THREE-CONDUCTOR		BURIAL	MT	MOUNT	UPS	UNINTERRUPTIBLE
3PH	THREE-PHASE	DC	DIRECT CURRENT	MTG	MOUNTING		POWER SUPPLY
4/C	FOUR-CONDUCTOR	DEG C	DEGREES CELSIUS			UTIL	UTILITY
4W	FOUR-WIRE	DEG F	DEGREES FAHRENHEIT	NA	NOT APPLICABLE		
A/C	AIR CONDITIONING UNIT	DEMO	DEMOLITION	NEC	NATIONAL ELECTRICAL CODE	V	VOLT
AC	ALTERNATING CURRENT OR ARMORED CABLE	DISC	DISCONNECT			VA	VOLT AMPERE
AFF	ABOVE FINISHED FLOOR	DN	DOWN	NEMA	NATIONAL ELECTRICAL	VFD	VARIABLE FREQUENCY DRIVE
AHJ	AUTHORITY HAVING JURISDICTION	DPOT	DOUBLE POLE, DOUBLE THROW		MANUFACTURERS ASSOCIATION	VOLT	VOLTAGE
AIC	AMPERE INTERRUPTING CAPACITY	DPST	DOUBLE POLE, SINGLE THROW	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	W	WATT
ALT	ALTERNATE	DRSW	DOOR SWITCH			WH	WATER HEATER
AMB OR	AMBIENT	DWG	DRAWING	NIC	NOT IN CONTRACT	WP	WEATHERPROOF
AMP	AMPERE			NTS	NOT TO SCALE		
ATS	AUTOMATIC TRANSFER SWITCH	EC	EMPTY CONDUIT	OS	OCCUPANCY SENSOR	XFMR	TRANSFORMER
		ELEC	ELECTRIC OR ELECTRICAL				
AUTO AV	AUTOMATIC AUDIO VISUAL	EMT	ELECTRICAL METALLIC TUBING	PA	PUBLIC ADDRESS	EWB	ELECTRIC WATER HEATER
		ETR	EXISTING TO REMAIN	PF	POWER FACTOR	EXIST	EXISTING
BD	BOARD	EWC	ELECTRIC WATER COOLER	PH	PHASE		
BLDG	BUILDING			PNL	PANEL		
BPIP	BOILER PLANT INSTRUMENTATION	IMC	INTERMEDIATE METAL CONDUIT	PVC	POLYVINYL CHLORIDE (PLASTIC)	FC	FOOTCANDLE
		INCAND I	INCANDESCENT			FLUOR	FLUORESCENT
		J-BOX	JUNCTION BOX	RCP	REFLECTED CEILING PLAN	FVNR	FULL VOLTAGE NON-REVERSING
BRKR	BREAKER			REC	RECESSED	FVR	FULL VOLTAGE REVERSING
				RGS	RIGID GALVANIZED		
C	CONDUIT	KVA	KILOVOLT AMPERE		STEEL	G OR GND	GROUND OR
CAB	CABINET	KW	KILOWATT	RM	ROOM		GENERATOR
CAP	CAPACITY	LED	LIGHT EMITTING DIODE	RMS	ROOT MEAN SQUARE	GEN	GENERATOR
CATV	COMMUNITY ANTENNA TELEVISION	LP	LIGHT POLE	REQD	REQUIRED		
CCR	CONTROL CONTACTOR	LR	LOCKED ROTOR AMPS			HID	HIGH INTENSITY DISCHARGE
CCTV	CLOSED CIRCUIT TELEVISION	LT	LIGHT	SF	SQUARE FOOT (FEET)	HOA	HAND-OFF-AUTOMATIC
cd	CANDELA	LTV	LIGHTING	SPST	SINGLE POLE, SINGLE THROW	HP	HORSEPOWER
CD	CONSTRUCTION DOCUMENTS	LG	LOW VOLTAGE	SURF	SURFACE	HZ	HERTZ
		MAX	MAXIMUM	SW	SWITCH	FACP	FIRE ALARM CONTROL
CKT	CIRCUIT	MC	METAL-CLAD	SWBD	SWITCHBOARD		PANEL
CKT BRKR	CIRCUIT BREAKER	MCA	MINIMUM CIRCUIT AMPS	SWGR	SWITCHGEAR	ETCETERA	
CLG	CEILING	MCB	MINIMUM CIRCUIT BREAKER			TERM	TERMINAL
COAX	COAX CABLE	MCC	MOTOR CONTROL CENTER	TEL	TIME CLOCK	TEMP	TEMPORARY
COMM	COMMUNICATION			TC	TELEPHONE	PSI	POUNDS PER SQUARE INCH
CONC	CONCRETE	MDP	MAIN DISTRIBUTION	TTB	TELEPHONE TERMINAL		
CONT	CONTINUE		PANEL		BOARD	GM	GALLONS PER MINUTE
CRI	COLOR RENDERING INDEX	MECH	MECHANICAL	TV	TELEVISION	E.C.	ELECTRICAL CONTRACTOR
CT	CURRENT TRANSFORMER	MH	MANHOLE	TYP	TYPICAL		
		MIN	MINIMUM				
		MOP	MAXIMUM	UL	UNDERWRITERS		










LEGEND

EXISTING TO REMAIN

NEW



FIRE ALARM SYMBOL LEGEND

	FIRE ALARM SYSTEM MANUAL PULL STATION IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX 44" A.F.F. UNLESS OTHERWISE INDICATED.
	FIRE ALARM SYSTEM CEILING MOUNTED COMBINATION FIXED TEMPERATURE 135 DEGREE AND RATE OF RISE HEAT INDICATOR.
	FIRE ALARM SYSTEM VISUAL ONLY SIGNAL DEVICE. MOUNT FLUSH IN (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT DEVICE SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" AFF. MINIMUM OF 75 CANDELA. SUBSCRIPT "C" DENOTES CEILING MOUNTED.
	FIRE ALARM SYSTEM COMBINATION AUDIOVISUAL DEVICE CEILING MOUNT OUTLET BOX. MINIMUM OF 75 CANDELA. (S=SPEAKER/STROBE)
	FIRE ALARM SYSTEM RELAY, CONTROL OR MONITORING TYPE AS REQUIRED.
	FIRE ALARM SYSTEM CEILING MOUNTED SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL.
	FIRE ALARM CONNECTION TO SPRINKLER SYSTEM WATER FLOW SWITCH. SWITCH PROVIDED AND INSTALLED BY SPRINKLER CONTRACTOR, CONNECTED TO FIRE ALARM SYSTEM WITH MONITORING MODULE BY FIRE PROTECTION CONTRACTOR UNLESS OTHERWISE INDICATED.
	FIRE ALARM CONNECTION TO SPRINKLER SYSTEM VALVE TAMPER SWITCH. SWITCH PROVIDED AND INSTALLED BY SPRINKLER CONTRACTOR, CONNECTED TO FIRE ALARM SYSTEM BY E.C. UNLESS OTHERWISE INDICATED, SUBSCRIPT, WHEN SHOWN INDICATES ZONE.
ISO	ISOLATION MODULE
EOLR	END OF LINE POWER SUPERVISORY RESISTOR
	FIRE ALARM SYSTEM DUCT DETECTOR WITH SAMPLING TUBES, FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR TO LOCAL FACP, INSTALLED BY MECHANICAL CONTRACTOR UNLESS OTHERWISE INDICATED.
	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR INDICATOR ALARM LAMP. CEILING OR WALL MOUNTED.

OUTPUTS

INPUT DEVICE

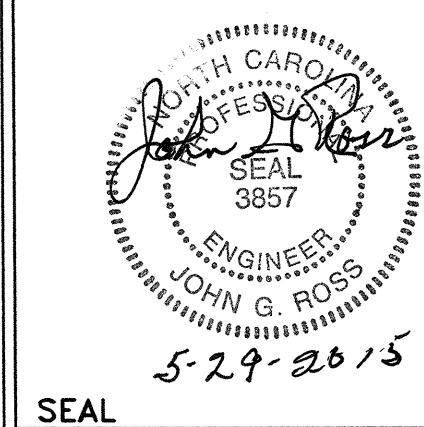
[illegible]

F8 FIRE ALARM INPUT/OUTPUT MATRIX
SCALE: NONE

SCALE: NONE

[illegible]

Department of Veterans Affairs
Ralph H Johnson VA Medical
Center
109 Bee Street
Charleston, SC 29401



Architect/Engineer Address



• DESIGN GROUP, P.C. •
formerly HARRELL, SALTRICK & HOPPER, PC

8016 TOWER POINT DRIVE P 704.814.1321
CHARLOTTE, NC 28227 F 704.321.0833

WWW.HARRELLDG.COM

COPYRIGHT © 2014 HARRELL DESIGN GROUP, PC
HDG PROJECT # 13026

Recommended Approvals:

1. CHIEF, ENGINEERING SERVICE	
2. PROJECT MANAGER	

Drawing Title	FIRE ALARM MATRIX, RISER, LEGEND AND NOTES
---------------	--

BUILDING IS FULLY
SPRINKLERED

CONSTRUCTION DOCUMENTS

Project Title	EXPAND/REPAIR INTENSIVE CARE UNIT, STEP DOWN UNIT, AND PULMONARY
---------------	--

Drawn DBW	Building Number 1
--------------	----------------------

Checked	Reviewed
---------	----------

Date

Project Number
534-325

DRAWING No. **ED 00**

11-001

