

ELECTRICAL SYMBOL LEGEND

	LED OR COMPACT FLUORESCENT FIXTURE SURFACE, RECESSED, WALL MTD.		FLUORESCENT FIXTURE RECESSED, SURFACE, SUSPENDED, OR WALL MTD.		ATX STATION CONTROLLER (MOUNT IN WATCHROOM RACK)
	CIRCUIT NUMBER OR CONTROL RELAY DESIGNATION.		RR ROOM REMOTE (MOUNT IN 5.5" H. X 13.5" W. WALL CUT OUT. STUB CONDUITS INTO OPENING WITH WIRING.)		BB MESSAGE SIGN (2 GANG BOX WITH SINGLE GANG EXTENSION RING)
	SWITCHING DESIGNATION. MULTIPLE DESIGNATIONS INDICATE SWITCHING WILL OCCUR FROM MULTIPLE DEVICES. CONTROLLED BY DEVICES SHOWN IN ROOM IF NOT INDICATED.		MR MESSAGE REMOTE (MOUNTED ABOVE CEILING TO STRUCTURE)		S SPEAKER FOR ALERTING SYSTEM
	TYPICAL OF EACH FIXTURE LOCATION		S SPEAKER/LIGHT FOR ALERTING SYSTEM		A ALERTING SYSTEM CAT 6 CABLE
	LINEAR FLUORESCENT FIXTURE WALL MOUNTED.		C ALERTING SYSTEM CONDUCTOR, 4 #18		FIRE ALARM HORN/STROBES: 15CD, 75CD, 110CD
	FLUORESCENT STRIP OR INDUSTRIAL		FIRE ALARM STROBES: 15CD, 75CD, 110CD		F FIRE ALARM MANUAL STATION
	WALL MOUNTED SURFACE LIGHT		FV FIRE ALARM ADDRESSABLE MODULE		S FIRE ALARM SMOKE DETECTOR
	EMERGENCY EGRESS LIGHTING;		S FIRE ALARM SMOKE DETECTOR W/DUST		RTS SMOKE DETECTOR REMOTE INDICATOR/TEST
	EMERGENCY BATTERY LIGHT		FS SPRINKLER SYSTEM FLOW SWITCH		S SPRINKLER SYSTEM TAMPER SWITCH
	EXT FIXTURE: SINGLE FACE, DOUBLE FACE, (ARROWS AS INDICATED)		IMC NOTIFICATION POWER EXTENDER PANEL		TELECOM OUTLET:
	SWITCH: 1-POLE, 3-WAY, 4-WAY, PL - PILOT LIGHT D - WALL BOX DIMMER T - TIMER (SENSOR SWITCH PTS-720-LT WITH OPTIONAL OFF ALERT)		NUMBER OF CABLES, FURNISH 2 CABLES UNLESS NOTED OTHERWISE.		TELECOM OUTLET - WALL PHONE
	CEILING OCCUPANCY SENSOR		TELECOM OUTLET - COUNTERTOP HEIGHT		WPA WIRELESS ACCESS POINT, DEVICE INSTALLED BY OWNER, CABLING BY EC.
	WALLBOX OCCUPANCY SENSOR LINE VOLTAGE		ETR EXISTING TO REMAIN		EC ELECTRICAL CONTRACTOR
	DUPLEX GROUNDED RECEPTACLE		M&E MADISON GAS & ELECTRIC CO.		
	DOUBLE DUPLEX RECEPTACLE				
	DUPLEX GROUNDED RECEPTACLE MTD. UP 48" OR ABOVE COUNTER.				
	WEATHER- PROOF				
	DEDICATED CIRCUIT				
	MOTOR OR SPECIAL EQUIP. CONNECTION				
	JUNCTION BOX / EQUIPMENT CONNECTION				
	DISCONNECT SWITCH				
	PANEL BOARD				

OCCUPANCY SENSOR SCHEDULE			
SENSOR TAG	DESCRIPTION	APPROVED MANUFACTURERS (LIST IS NOT EXCLUSIVE, MANUFACTURERS LISTED ARE BASIS FOR DESIGN.)	NOTES
NONE	CEILING MOUNTED DUAL TECHNOLOGY 360° COVERAGE FURNISH WITH REQUIRED POWER PACK(S)	SENSOR SWITCH CM-POT-9-R ALTERNATES MUST BE SIMILAR IN PERFORMANCE & APPEARANCE	ALL SENSORS ARE THIS TYPE UNLESS TAGGED OTHERWISE.
TYPE.1	CEILING MOUNTED PIR DETECTION HIGH BAY 360° VIEW LENGTH LINE VOLTAGE DEVS	SENSOR SWITCH CMRBE-LT ALTERNATES MUST BE SIMILAR IN PERFORMANCE & APPEARANCE	ALL SENSORS SUITABLE FOR LOW TEMP/HIGH HUMIDITY ENVIRONMENT, 20" RANGE AT 45' HEIGHT.

GENERAL NOTES:
1. SEE SHEET E401 FOR ADDITIONAL OCCUPANCY SENSOR DETAILS.

LIGHT FIXTURE SCHEDULE

1. MANUFACTURERS SHOWN ARE BASIS OF DESIGN. ALTERNATE PRODUCTS SIMILAR IN APPEARANCE AND PERFORMANCE ARE PERMITTED WITH PRIOR APPROVAL FROM A/E.

CIRCUIT INDICATED

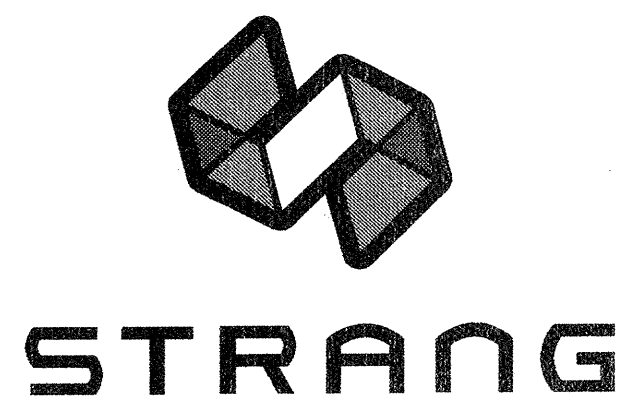
2. SEE SPECIFICATION SECTION 26 51 00 FOR APPROVED BALLAST. COORDINATE WITH MANUFACTURER AS REQUIRED TO MEET SPECIFICATION.

MOUNTING: (MTG)		LAMP TYPE:		LENS/COVER:		BALLAST TYPE:		BALLAST FACTOR:		
RE - RECESSED		FL - FLUORESCENT		A - ACRYLIC		EM - EMERGENCY BATTERY		LBF - LOW, BF < 0.85		
SP - SUSPENDED		CF - COMPACT FLUORESCENT		B - BLACK BATTLE		DM - DIMMING BALLAST		NBF - NORMAL, BF 0.85-1.0		
CL - CEILING SURFACE		IN - INCANDESCENT		C - CLEAR ALUMINUM		SDM - STEP DIMMING BALLAST		HBF - HIGH, BF > 1.01		
W - WALL		LED - LIGHT EMITTING DIODE		D - PARABOLIC		ADM - DIGITAL ADDRESSABLE BALLAST				
UC - UNDER CABINET		LEK - LED KRYPTON		L - LOW INCANDESCENT SEMI-SPECULAR ALUMINUM		IS - INSTANT START				
CV - COVE		HPS - HIGH PRESSURE SODIUM		N - NONE		PS - PROGRAMMED START				
PL - POLE		HLG - HALOGEN		S - SPECULAR CLEAR		RS - RAPID START				
S - SURFACE		MH - METAL HALIDE		O - OTHER (SEE DESCRIPTION)		SDWA - SUPER CONSTANT WATTAGE				
U - UNIVERSAL		PSMH - PULSE START METAL HALIDE				eHD - ELECTRONIC HID				
O - OTHER (SEE DESCRIPTION)		CMH - CERAMIC METAL HALIDE				LED - LED ELECTRONIC DRIVER				
		O - OTHER (SEE DESCRIPTION)								
FIXTURE NUMBER	DESCRIPTION	MTG	LAMPS		VOLTAGE	LENS/COVER	APPROVED MANUFACTURERS (LIST IS NOT EXCLUSIVE. MANUFACTURERS LISTED ARE BASIS FOR DESIGN.)	BALLAST		NOTES
			TYPE	QUANTITY AND SIZE				TYPE	BALLAST FACTOR	
F1	RECESSED 2X4	RE	FL	(2)F28W15 4100K	UNV	A	LITHONIA 2RT5 2RT5-2RT5-GE890-L841XP	SDM	NBF	
F2	48" WALL BRACKET	W	FL	(1)F32W18 4100K	UNV	A	LAMAR LIGHTING WC-1-32-E8-U-RW	PS	NBF	
F2-2	24" WALL BRACKET	W	FL	(1)F17W18 4100K	UNV	A	LAMAR LIGHTING WC-1-17-E8-U-RW	PS	NBF	24" LONG VERSION
F4	48" INDUSTRIAL	SP/CL	FL	(2)F32W18 4100K	UNV	A	LITHONIA L-2-32-MVOLT	PS	NBF	
F5	LED SHOWER DOWNLIGHT	RE	LED	600LU	UNV	A	LITHONIA L7X-REA6-D6W-ESL	-	-	
	LED DOWNLIGHT	RE	LED	700LU	UNV	A	LITHONIA L7X-REA6-D6W-ESL	-	-	PROVIDE EDISON BASIC LED LAMPS FOR THIS FIXTURE.
F7	1' x 4' RECESSED	RE	FL	(2)F28W15 4100K	UNV	A	LITHONIA RT5B-1-28T5-MVOLT-GE810PS	PS	NBF	
F8	96" APPARATUS ROOM FIXTURE	SP	FL	(4)F32W18 4100K	UNV	A	LITHONIA TLA-4-32-MVOLT-GE810PS	PS	NBF	
F9	LED POST LIGHT HEAD	PL	LED	14,000LU	UNV	A	LITHONIA ALX-LED-30A350/51K-SR3-MVOLT-RPA19/MR2	-	-	MOUNT NEW LUMINAIRE ON EXISTING POLE INCLUDE ROUND POLE ADAPTER AND COVER PLATE FOR TOP OF POLE
F10	LED EXTERIOR WALL BRACKET	W	LED	2795LU	UNV	O	COOPER-LUMARK WP-L-4A-ED-E8LED-CD	-	-	
F11	LED STEP LIGHT	RE/W	LED	5W	UNV	A	PHILIPS/LIGHTOLIER D5501WLSA	-	-	
F12	UNDERCABINET LIGHT	UC	LED	80LU/LED	-	A	ALCO TECHNOLOGY AG10 SERIES	-	-	USE 2' AND 4' LENGTHS IN KITCHEN UNDERCABINETS.
F13	7" LED DOWNLIGHT IN CANOPY	RE	LED	2450LU/LED 36W LED	-	A	KIRLIN LIGHTING LRR-07304 SERIES	-	-	
F14	ARCHITECTURAL FLOOD LIGHT FOR FLAG POLE	O	MH	70PMH	120V	-	KIM LIGHTING ATL15 70PMH120 DB A30 SMT	-	-	(2) FIXTURES TO BE MOUNTED ON EACH SIDE OF FLAG POLE
F15	LED COMPACT FLOODLIGHT FOR FIRE STATION SIGN	O	LED	1800LU	120V	-	KIM LIGHTING CFL1/45LED120/BL	-	-	
EXIT	EXIT/EGRESS COMBO LIGHT	U	LED	(2) 5.4W	UNV	A	LITHONIA LHOM SERIES	-	-	
EM	EMERGENCY LIGHT	W	LED	(2) 1.5W	120V					

[illegible]

GENERAL NOTES:

1. PROVIDE A NON-FUSED DISCONNECT.



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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FILE NAME 2011009-E001.DWG

REVISIONS

DRAWN _____ KK

CHECKED AS

DATE 03-09-12

PROJECT NO. 2011009

PROJECT TITLE

CITY OF MADISON

FIRE STATION #2

ADDITION AND

REMODELING

421 GRAND CANYON DRIVE
MADISON, WISCONSIN

SHEET TITLE

ELECTRICAL SYMBOLS AND FIXTURE SCHEDULE

SHEET NO.
E001