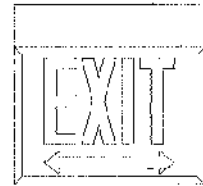


CHICAGO FLUORESCENT EXITS

ECXP



SERIES FEATURES

120 VAC Operation Standard
Maximum Input Rating: (120 VAC) 25 Watts Standard
Energy Saving Compact Fluorescent
(2) 120 VAC, 7 Watt Lamps
Open Face Glass Panel
Silk Screen Letters
Ceiling, End or Back Mount
Canopy
Fluorolight
White Powder-coat Finish
1/8 GA Stainless Steel Housing [SS]
Flame Retardant [DMP]
Silicone Gasketing [SG]
UL924 Listed
Chicago Code Approved

ADDITIONAL EMERGENCY UNIT FEATURES

Integrated Solid State System
Multi-Phase, Controlled, Automatic Charger
No Manual Battery Recycling
Brownout Sensitivity
Low Voltage Battery Cutoff
Lock Out (Automatic Battery Connect)
Single Voltage Transformer for 120 VAC Operation
Maximum Input Rating (120 or 277 VAC) 25 Watts
(2) 6 VDC, 8 Watt Long Life, non-flicker Lamp
Sealed Lead Calcium Battery
3 Volt Operation
Maintenance Free
Test Switch
Red (Power On) LCD Indicator

2ECXP2RWW-SS-DMP-SG

BIG BEAM Emergency Systems Inc.
299 E. Prairie Street
PO Box 412
Crystal Lake, IL 60132-0512 USA
Sales: (815) 499-3143 / Fax: (815) 499-3128
www.kigbeam.com



LOAD CALCULATION FOR BUILDING SERVICE (NORMAL SERVICE)

Prepared By:	AAA ENGINEERING 5940 W. TOUHY AVE. SUITE 210 NILES, ILLINOIS 60714			
Building Description:	CTA ELEVATED STATION AT 430 S PEORIA STREET			
Available Fault Current:	65KIC @ 208V			
Type of Electrical Service:	208V, 3 PHASE, 3 WIRE UNGROUNDED			
Size of Service Entrance Conductors:	SEE DRAWINGS			
Size of Grounding Electrode:	SEE DRAWINGS			
Size of O.C.P.:	400A/3P			
GENERAL LIGHTING LOAD CALCULATION:	Sq-Ft/Unit	Units	VA/SF	Sub Totals
General Lighting Load:				
Lighting Load	3000	1	4	12,000.00 VA
				VA
			Total VA	12,000.00 VA
SECTION 1				
GENERAL LIGHTING LOAD DEMAND FACTOR:				
ALL AT 100%			Total VA	12,000.00 VA
SECTION 2				
STATION LOAD:				
	Units/Quantity	VA	Demand Fact	Sub Totals
ELEVATOR	1	15000	0.95	14,250.00 VA
H-1	1	3000	1	3,000.00 VA
H-2	1	5000	1	5,000.00 VA
H-3	1	3000	1	3,000.00 VA
H-4	1	5000	1	5,000.00 VA
H-1 (PLATF)	3	3200	1	9,600.00 VA
H-2 (STATION)	6	3200	1	19,200.00 VA
EXHAUST FANS & LOUVERS	1	8000	1	8,000.00 VA
HEAT TRACING	8	1800	1	14,400.00 VA
REVENUE EQUIPMENT	1	5000	1	5,000.00 VA
COMMUNICATION EQUIP	1	5000	1	5,000.00 VA
WATER HEATER (WH)	1	8300	1	8,300.00 VA
SUMP PUMPS	1	1200	1	1,200.00 VA
Since Heating overall building is larger load we do not take into account Cooling loads			Total VA	100,950.00 VA
SECTION 3				
25% Continuous Load (Lighting)		12,000.00	0.25	3,000.00 VA
25% of Largest Motor (Elevator)		15000	0.25	3,750.00 VA
			Total VA	6,750.00 VA
			Total From Section 1	12,000.00 VA
			Total From Section 2	100,950.00 VA
			Total From Section 3	6,750.00 VA
			TOTAL VA	119,700.00
On a 120/208V, 3 phase, 4 Wire System			TOTAL AMPS	332.26



5940 West Touhy Avenue, Suite 210, Niles, IL 60714
Phone: 847-647-9999 • Fax: 847-647-4719



USER NAME = habib	DESIGNED -	REVISED
	CHECKED -	REVISED
PLOT SCALE = 0x2 1/4 in / in.	DRAWN -	REVISED
PLOT DATE = 10/28/2013	CHECKED -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEORIA STREET STATION
CITY LOAD CALCS AND EXIT LTG CATALOG CUT

PRELIMINARY NOT FOR CONSTRUCTION

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2090	2013-011R	COOK	356	291
CONTRACT NO.			60W29	
ILLINOIS FED. AID PROJECT				

SHEET NO. 100 OF 117 SHEETS

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