-MOUNT 'B' FIXTURES ON MOUNTING CANOPY — AIM AS DIRECTED IN THE FIELD TO ILLUMINATE VERTICAL COLUMNS AND GUY WIRES

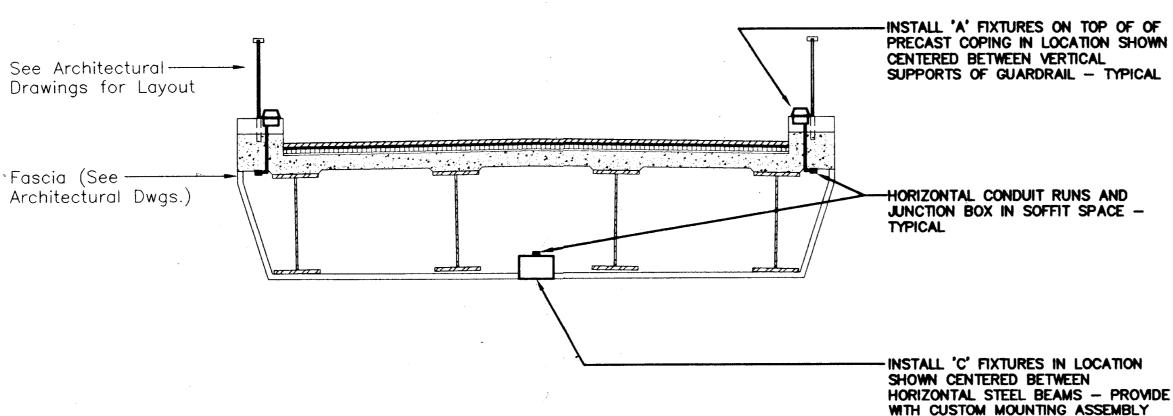
PROVIDE WATERPROOF SEAL AT ALL CONDUIT

PENETRATIONS OF STRUCTURE - TYPICAL

HORIZONTAL CONDUIT RUNS AND

JUNCTION BOX IN SOFFIT SPACE

LIGHTING FIXTURE SCHEDULE								
TYPE	MANUFACTURER	CATALOG NO.	QTY	LAMPS TYPE	VOLTS	MOUNTING	FINISH	REMARKS
A	KIM	3094/50MH120	1	50W MH	120	GROUND	DB	SEE MOUNTING DETAIL THIS SHEET
В	BEGA	8337MH/554	1	175W MH	120	CANOPY	BLACK	SEE MOUNTING DETAIL THIS SHEET - AIM AS DIRECTED IN THE FIELD
С	ESCO	R3727-B	1	250W HPS	120	RECESSED	BLACK	PROVIDE CUSTOM MOUNTING ASSEMBLY FOR INSTALLATION INTO ARCHITECTURAL SOFFIT
.D	DAYBRITE	2F232-PP-120-1/2EB	2	F032T8	120	SURFACE	WHITE	INDUSTRIAL FLUORESCENT WITH 25% UPLIGHT
				,				



## FIXTURE MOUNTING DETAIL TYPES 'A' AND 'C'

#### ELECTRICAL SPECIFICATIONS

GENERAL:
THE ENTIRE ELECTRICAL SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE CONNECTICUT BASIC BUILDING CODE.

BASIC/NATIONAL BUILDING CODE/1990 BASIC/NATIONAL MECHANICAL CODE/1990 BOCA

BASIC/NATIONAL PLUMBING CODE/1990 1992 ACCUMULATIVE SUPPLEMENT TO ABOVE BOCA **BOCA** 

70/1993 NATIONAL ELECTRICAL CODE NFPA THE CONNECTICUT SUPPLEMENT CBBC

THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT AND LABOR TO COMPLETE ELECTRICAL SYSTEMS AS SHOWN ON THE PLANS AND AS SPECIFIED

THE INTENT OF THESE SPECIFICATIONS AND CONTRACT DRAWINGS IS TO PROVIDE COMPLETE INSTALLATION OF THE VARIOUS SYSTEMS DESCRIBED HEREIN AND INDICATED ON THE DRAWINGS. ANY LISTING OR INDICATION OF ITEMS FURNISHED OR WORK TO BE PERFORMED SHALL NOT BE COMPLETE IN ITSELF AND SHALL NOT LIMIT THE GENERAL REQUIREMENTS TO FURNISH AND INSTALL WORK, EQUIPMENT, ACCESSORIES, CONTROLS, ETC., TO COMPLETE THE CONTRACT IN A SUBSTANTIAL MANNER. WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

- A. SAFETY SWITCHES HEAVY DUTY FUSIBLE
- FUSES TIME DELAY BUSSMAN LPN-RK (250V)
- FAST ACTING BUSSMAN KTN-R (250V) METER SOCKETS, C.T. ENCLOSURES AND TEST SWITCHES TO CL & P CO.
- STANDARDS, THE GREEN BOOK 1993 EDITION PANELBOARDS - 3 PHASE, 4 WIRE, 120/208 VOLT - SQUARE D "NQOD"
- CIRCUIT BREAKER TYPE 22,000 AMPS INTERRUPTING CAPACITY.
- PROVISION OF ALL LIGHTING FIXTURES COMPLETE WITH LAMPS, HANGERS
- BRANCH LIGHTING AND RECEPTACLE WIRING AND CONDUIT, COMPLETE WITH ALL CONNECTIONS
- PROVISION OF ALL OUTLET BOXES, WIRING DEVICES, PLATES, CABINETS, CONDUIT, CONDUIT FITTINGS, HANGERS, SUPPORTS, FUSES AND SUCH OTHER ITEMS REQUIRED AND INCIDENTAL FOR A COMPLETE
- INSTALLATION PROVISION OF ALL DISCONNECT SWITCHES, MANUAL AND MAGNETIC MOTOR STARTERS, AS REQUIRED FOR ALL HVAC AND OTHER ELECTRICAL
- PROVISION OF ALL SNOW MELTING EQUIPMENT, CONTACTORS CONTROLS AND SENSORS AS REQUIRED TO PROVIDE COMPLETE SNOW MELTING OF THE NEW ACCESS RAMP.

#### PERMITS AND FEES

OBTAIN AND PAY FOR ALL NECESSARY PERMITS REQUIRED BY LAW AND LOCAL INSPECTION AUTHORITIES TO PERFORM THE ELECTRICAL WORK SPECIFIED HEREIN.

WIRING AND CONDUIT

A. WIRE - COPPER CONDUCTORS - MINIMUM SIZE #14 AWG THWN INSULATION,

#12 SOLID, #10 AND LARGER STRANDED. B. ALL CONDUIT SHALL BE RIGID GALVANIZED STEEL (RGS) — MINIMUM SIZE 3/4" I.D.

GROUNDING

A. PROVIDE ALL ELECTRICAL GROUNDING TO CONFORM TO ARTICLE 250 OF

SWITCHES AND RECEPTACLES

A. LIGHT SWITCHES - 20 AMP, 120 V - ARROW HART #2101-1

B. DUPLEX RECEPTACLES - 20 AMP, 120V - ARROW HART #5762-1

C. PLATES - A.H. #9300 SERIES.

LIGHTING FIXTURES

A. PROVIDE FIXTURES AND LAMPS SHOWN AND SPECIFIED ON THE

- DRAWINGS. ALL FLOURESCENT LAMPS SHALL BE G.E. F032T8 ELECTRONIC WARM WHITE
- LAMPS UNLESS SPECIFIED OTHERWISE.
  ALL BALLASTS SHALL BE CBM CERTIFIED HIGH POWER FACTOR ENERGY EFFICIENT FULL LIGHT OUTPUT TYPES.

EXAMINATION OF SITE

A. BEFORE SUBMITTING HIS BID, THE CONTRACTOR SHALL VISIT THE SITE WITH PLANS AND SPECIFICATION IN HAND AND SHALL BECOME THOROUGHLY

FAMILIAR WITH ALL CONDITIONS UNDER WHICH HIS WORK WILL BE PERFORMED. THE SUBMISSION OF A BID SHALL BE TAKEN AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE, AND DIFFICULTIES, IF ANY, NOTED AND REPORTED TO THE ENGINEER. LATTER CLAIMS FOR EXTRA COST OF LABOR. MATERIALS AND EQUIPMENT REQUIRED FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN, SHALL NOT BE RECOGNIZED.

FINAL INSPECTION & TEST

PRIOR TO TEST, FEEDERS AND BRANCHES SHALL BE CONTINUOUS FROM SERVICE CONTACT POINT TO EACH OUTLET. ALL PANELS, FEEDERS AND DEVICES CONNECTED AND CIRCUIT BREAKERS IN PLACE. TEST SYSTEM FREE FROM SHORT CIRCUITS AND GROUND WITH INSULATION RESISTANCE NOT LESS THAN OUTLINED IN THE 1993 NATIONAL ELECTRICAL CODE. PROVIDE TESTING EQUIPMENT NECESSARY AND CONDUCT TEST IN PRESENCE OF OWNER'S AUTHORIZED REPRESENTATIVE.

NO. DATE **DESCRIPTION REVISIONS** 

### Legnos and Cramer, Inc. Consulting Engineers Mechanical & Electrical

74 Forest Street Hartford, Ct. 06105-3598 Tel.(860)246-8875,Fax(860)525-2544 E-MAIL legnos@ct1.nai.net

# CITY OF HARTFORD

ACCESS RAMP

CONSTITUTION PLAZA

SCHEDULE AND DETAILS

ENGINEER: MACCHI ENGINEERS, LLC **DESIGNER:** BJZ DRAFTER: WGS CHECKER: BJZ APPROVED: Lolut & DATE: 9/14/99

STRUCTURE NO.

BRIDGE LOG NO. STRUCTURE SHEET NO. 28B OF 28B

630/34

630134

FIXTURE MOUNTING DETAIL TYPE 'B'