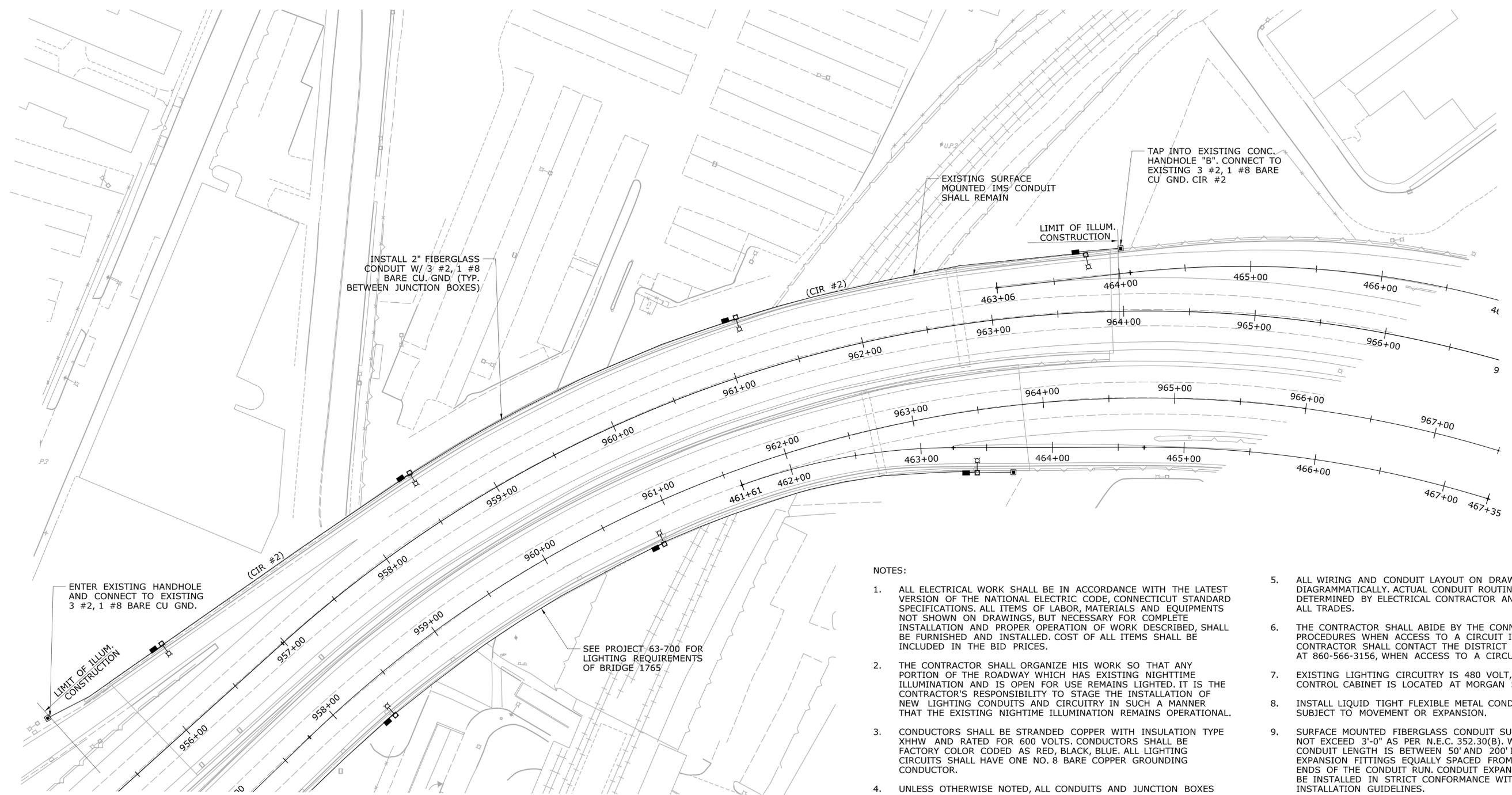


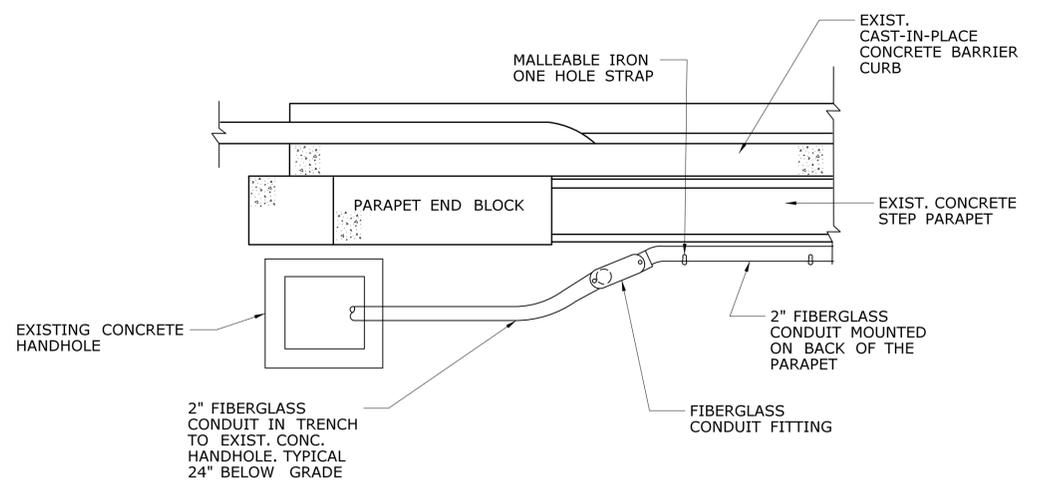


- LEGEND:
- X EXISTING LIGHT POLE TO BE REMOVED AND MOUNTED ON NEW BRACKET
  - 16"X14"X6" FIBERGLASS JUNCTION BOX
  - EXISTING JUNCTION BOX TO REMAIN
  - EXISTING CONCRETE HANDHOLE TO REMAIN
  - 2" FIBERGLASS CONDUIT, 3#2, 1#8 BARE CU GND

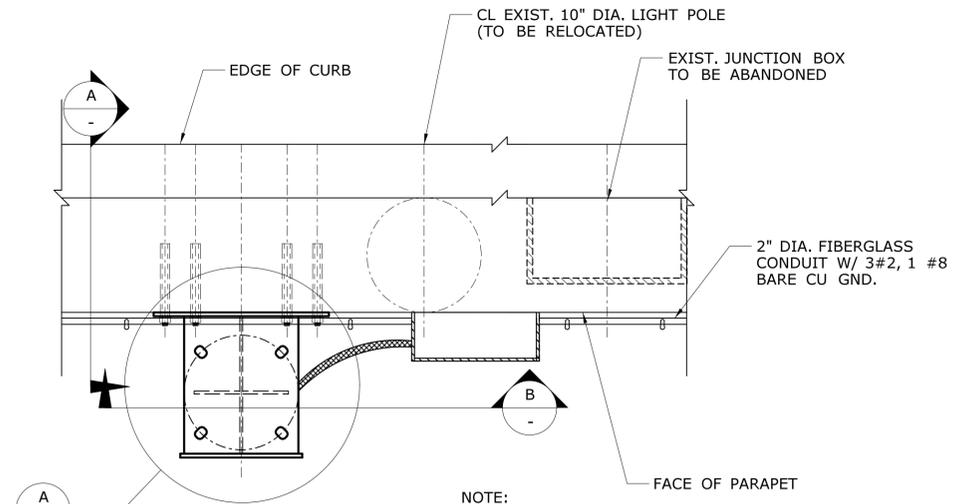


- NOTES:
1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE NATIONAL ELECTRIC CODE, CONNECTICUT STANDARD SPECIFICATIONS. ALL ITEMS OF LABOR, MATERIALS AND EQUIPMENTS NOT SHOWN ON DRAWINGS, BUT NECESSARY FOR COMPLETE INSTALLATION AND PROPER OPERATION OF WORK DESCRIBED, SHALL BE FURNISHED AND INSTALLED. COST OF ALL ITEMS SHALL BE INCLUDED IN THE BID PRICES.
  2. THE CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT ANY PORTION OF THE ROADWAY WHICH HAS EXISTING NIGHTTIME ILLUMINATION AND IS OPEN FOR USE REMAINS LIGHTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STAGE THE INSTALLATION OF NEW LIGHTING CONDUITS AND CIRCUITRY IN SUCH A MANNER THAT THE EXISTING NIGHTTIME ILLUMINATION REMAINS OPERATIONAL.
  3. CONDUCTORS SHALL BE STRANDED COPPER WITH INSULATION TYPE XHHW AND RATED FOR 600 VOLTS. CONDUCTORS SHALL BE FACTORY COLOR CODED AS RED, BLACK, BLUE. ALL LIGHTING CIRCUITS SHALL HAVE ONE NO. 8 BARE COPPER GROUNDING CONDUCTOR.
  4. UNLESS OTHERWISE NOTED, ALL CONDUITS AND JUNCTION BOXES SHALL BE FIBERGLASS.
  5. ALL WIRING AND CONDUIT LAYOUT ON DRAWINGS IS SHOWN DIAGRAMMATICALLY. ACTUAL CONDUIT ROUTING TO FIXTURE TO BE DETERMINED BY ELECTRICAL CONTRACTOR AND COORDINATED WITH ALL TRADES.
  6. THE CONTRACTOR SHALL ABIDE BY THE CONNDOT LOCKOUT/TAGOUT PROCEDURES WHEN ACCESS TO A CIRCUIT IS REQUIRED. THE CONTRACTOR SHALL CONTACT THE DISTRICT ELECTRICAL SUPERVISOR AT 860-566-3156, WHEN ACCESS TO A CIRCUIT IS REQUIRED.
  7. EXISTING LIGHTING CIRCUITRY IS 480 VOLT, 3 PHASE. LIGHTING CONTROL CABINET IS LOCATED AT MORGAN STREET IN HARTFORD.
  8. INSTALL LIQUID TIGHT FLEXIBLE METAL CONDUIT AT ALL LOCATIONS SUBJECT TO MOVEMENT OR EXPANSION.
  9. SURFACE MOUNTED FIBERGLASS CONDUIT SUPPORT SPACING SHALL NOT EXCEED 3'-0" AS PER N.E.C. 352.30(B). WHEN THE FIBERGLASS CONDUIT LENGTH IS BETWEEN 50' AND 200' INSTALL TWO CONDUIT EXPANSION FITTINGS EQUALLY SPACED FROM EACH OTHER AND THE ENDS OF THE CONDUIT RUN. CONDUIT EXPANSION FITTINGS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURERS INSTALLATION GUIDELINES.

		DESIGNER/DRAFTER: <b>MD</b> CHECKED BY: <b>SDH</b> SCALE IN FEET  SCALE 1"=40'	 <b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> Filename: ...LTG-02_1766.dgn	SIGNATURE/ BLOCK:  Hardesty & Hanover, LLC 59 Elm Street New Haven, CT 06510 	PROJECT TITLE: <b>REHABILITATION OF BRIDGE          NO. 01766 I-84 WESTBOUND          OVER AMTRAK AND LOCAL ROADS</b>	TOWN: <b>HARTFORD</b> DRAWING TITLE: <b>LIGHTING          PLAN - 1</b>	PROJECT NO. <b>063-701</b> DRAWING NO. <b>LTG-02</b> SHEET NO. <b>03.06.02</b>	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/5/2016	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.			

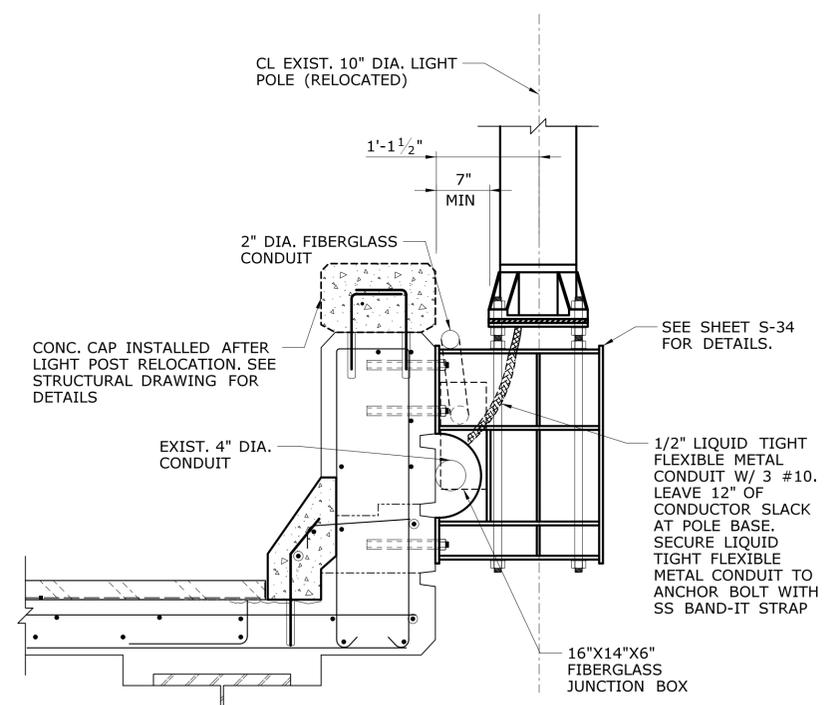


**TYPICAL CONDUIT TREATMENT AT EXISTING CONCRETE HANDHOLE (TOP VIEW)**

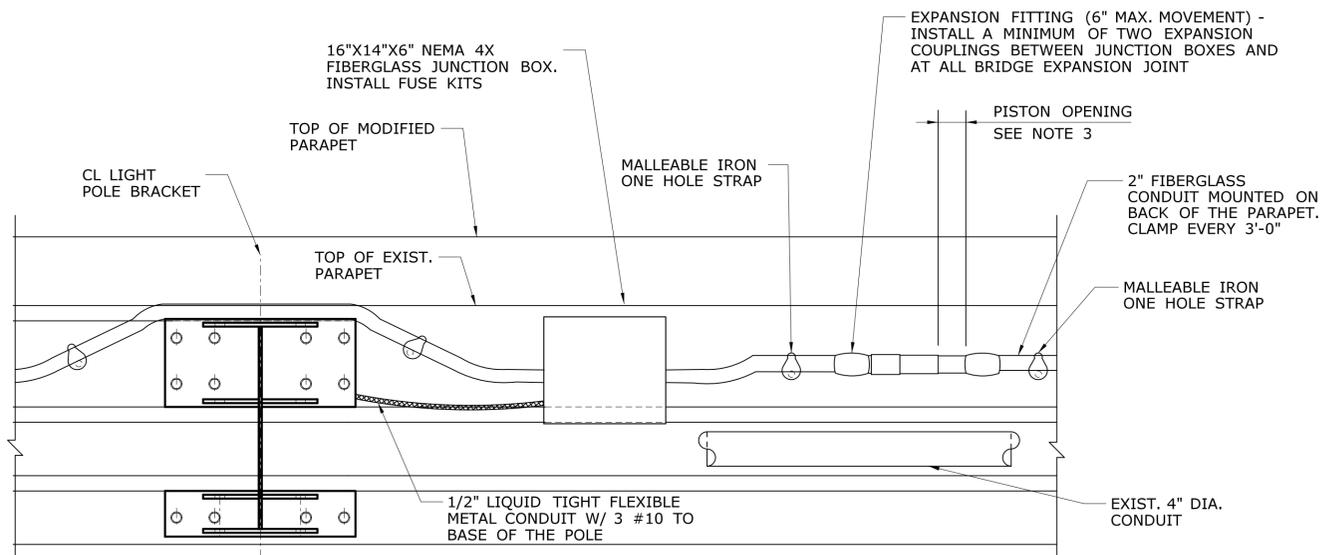


**PARAPET PLAN**  
SCALE: NTS

NOTE:  
SEE STRUCTURAL DRAWINGS FOR STRUCTURAL DETAIL.



**SECTION A**  
SCALE: 1" = 1'-0"



**SECTION B**  
SCALE: NTS

**CONDUIT ATTACHMENT NOTES:**

1. SURFACE MOUNTED FIBERGLASS CONDUIT SUPPORT SPACING SHALL NOT EXCEED 3'-0" AS PER N.E.C. 352.30(B). WHEN THE FIBERGLASS CONDUIT LENGTH IS BETWEEN 50' AND 200' INSTALL TWO CONDUIT EXPANSION FITTINGS EQUALLY SPACED FROM EACH OTHER AND THE ENDS OF THE CONDUIT RUN. CONDUIT EXPANSION FITTINGS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURERS INSTALLATION GUIDELINES.
2. CONDUIT EXPANSION FITTINGS (6" MOVEMENT) SHALL BE INSTALLED AT ALL BRIDGE EXPANSION JOINTS. A MINIMUM OF TWO CONDUIT EXPANSION FITTINGS SHALL BE INSTALLED BETWEEN EACH JUNCTION BOX AS INDICATED IN THE DETAILS. MAXIMUM SPACING BETWEEN ADJACENT EXPANSION FITTINGS SHALL NOT EXCEED 125'. BARREL END OF EXPANSION FITTING SHALL BE SECURELY CLAMPED TO THE PARAPET TO PROHIBIT MOVEMENT OF BARREL.
3. EXPANSION FITTING PISTON OPENING AT THE TIME OF INSTALLATION SHALL BE DETERMINED BASED ON THE FOLLOWING FORMULA  

$$= \frac{100 F^{\circ} - \text{AMBIENT TEMP.}}{100 F^{\circ}} \times 6"$$
4. ALL CONDUIT FITTINGS, COUPLINGS, CLAMPS, ATTACHMENT HARDWARE, DRILLING AND ANCHORING SHALL BE INCLUDED IN THE PRICE OF THE CONDUIT.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/5/2016	DESIGNER/DRAFTER: <b>MD</b>	 <b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK:  Hardesty & Hanover, LLC 59 Elm Street New Haven, CT 06510	PROJECT TITLE: <b>REHABILITATION OF BRIDGE NO. 01766 I-84 WESTBOUND OVER AMTRAK AND LOCAL ROADS</b>	TOWN: <b>HARTFORD</b>	PROJECT NO. <b>63-701</b>
				CHECKED BY: <b>SDH</b>	DRAWING TITLE: <b>LIGHTING DETAIL - 1</b>				DRAWING NO. <b>LTG-03</b>	
				SCALE AS NOTED	Filename: ...LTG-03.1766.dgn				SHEET NO. <b>03.06.03</b>	