

NOTES:
 CONTRACTOR IS RESPONSIBLE FOR INSTALLING CL&P CONDUIT.
 CL&P IS RESPONSIBLE FOR INSTALLING CABLE AND MAKING ALL CONNECTIONS.

FINAL DESIGN FOR REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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.

Plotted Date: 3/11/2016

DESIGNER/DRAFTER:
MWD/NMA

CHECKED BY:
RSG

SCALE IN FEET
 0 40 80
 SCALE 1"=40'


STATE OF CONNECTICUT
 DEPARTMENT OF TRANSPORTATION


VN ENGINEERS INC.
 Traffic • Infrastructure • Planning
116 WASHINGTON AVENUE | NORTH HAVEN, CT 06473 | 203.234.7862

Signature/Block: _____

PROJECT TITLE:
REPLACEMENT OF THE MNR BRIDGE OVER ATLANTIC STREET - PHASE 2E

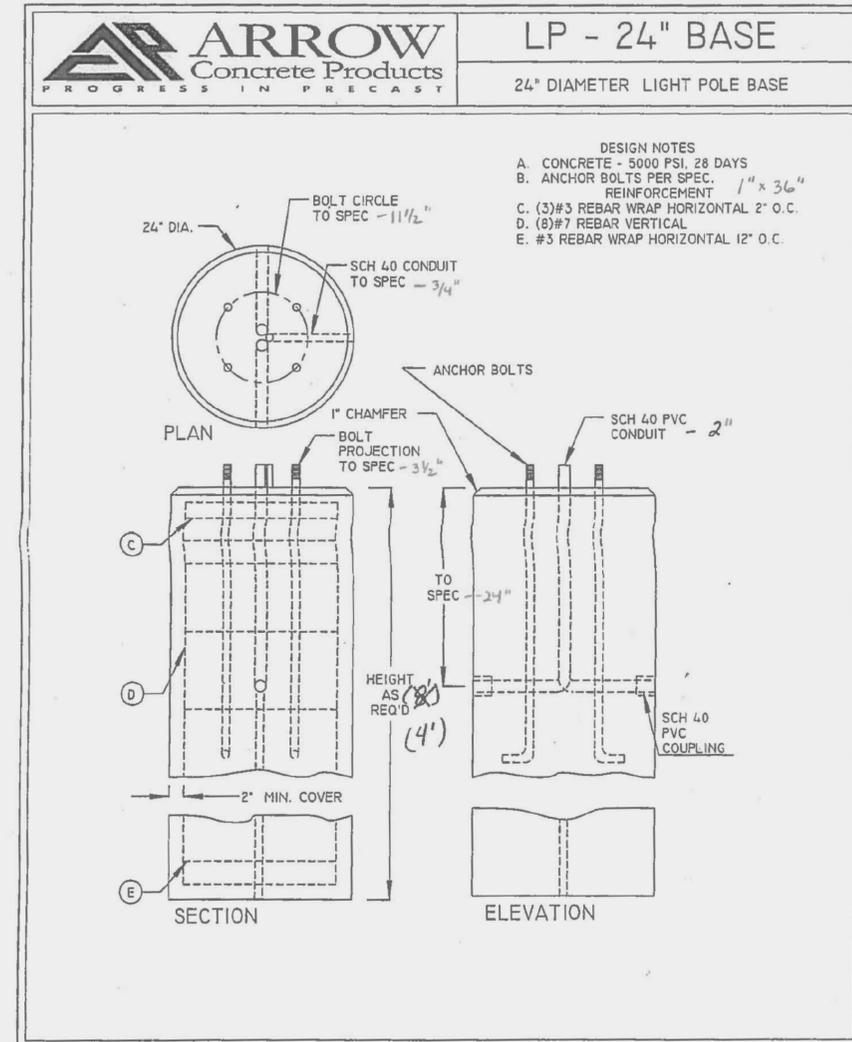
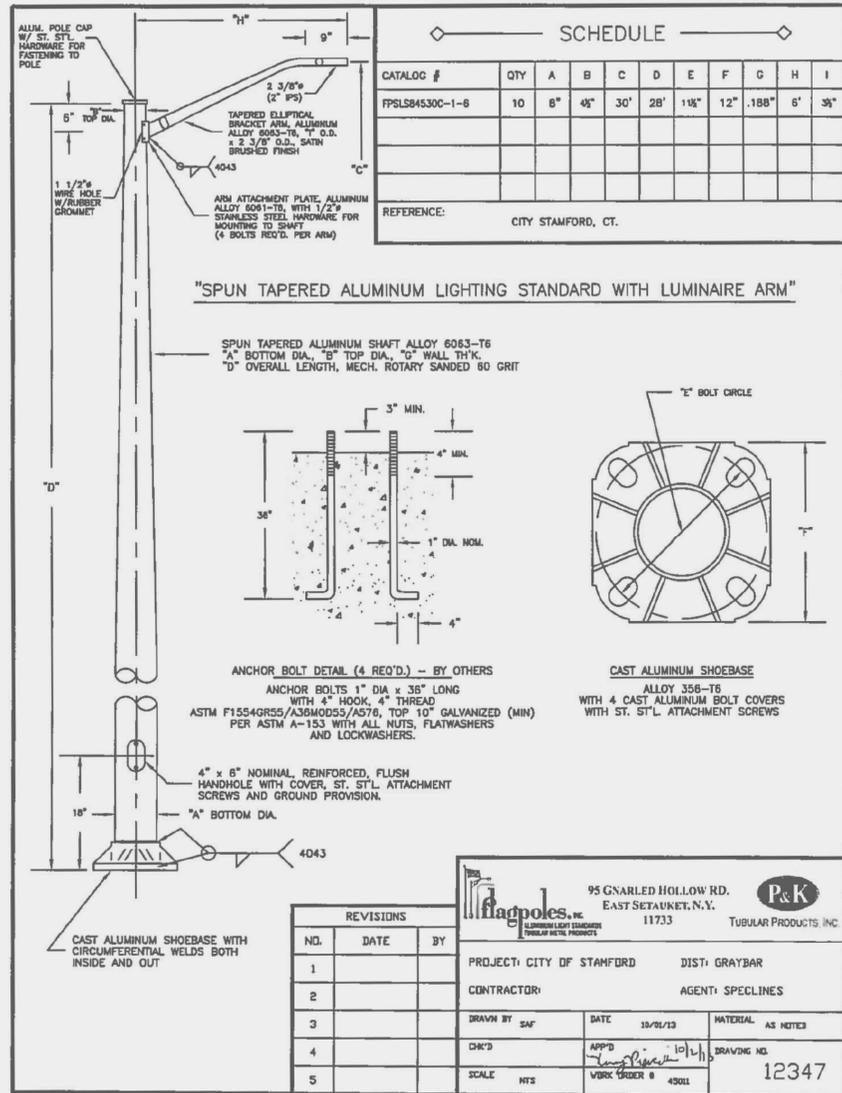
TOWN:
STAMFORD

DRAWING TITLE:
ILLUMINATION PLAN

PROJECT NO.
135-301

DRAWING NO.
ILL-02

SHEET NO.



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DESIGNER/DRAFTER: **MWD/NMA**
 CHECKED BY: **RSR**
 NO SCALE



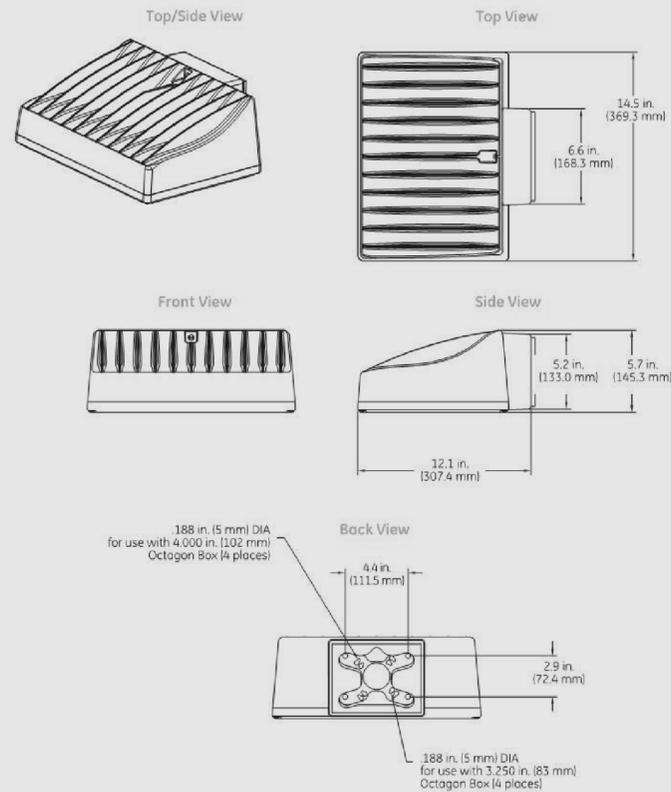
SIGNATURE/BLOCK:
VN ENGINEERS INC.
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PROJECT TITLE:
REPLACEMENT OF THE MNRR BRIDGE OVER ATLANTIC STREET - PHASE 2E

TOWN:
STAMFORD
 DRAWING TITLE:
CITY OF STAMFORD DETAILS

PROJECT NO.: **135-301**
 DRAWING NO.: **ILL-03**
 SHEET NO.:

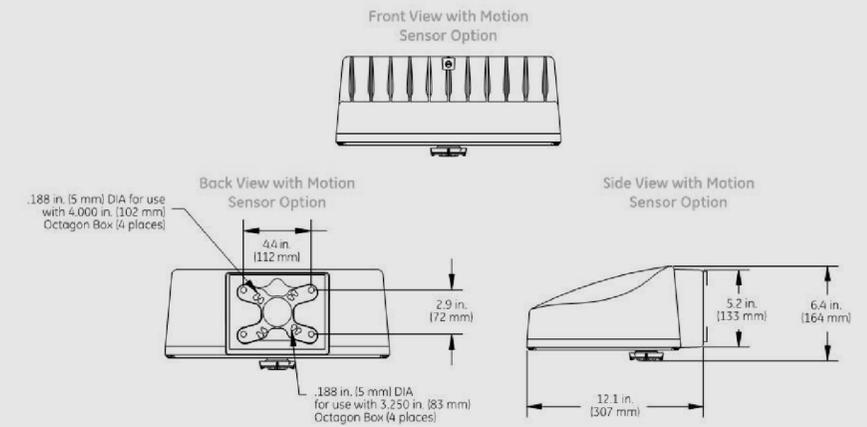
Product Dimensions



DATA

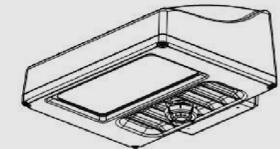
- Approximate Net Weight: 21 lbs (9.53 kgs)

Product Dimensions



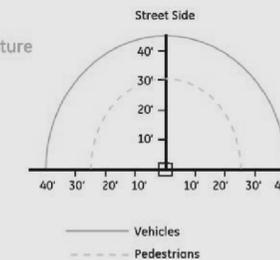
H-Motion Sensing Option:

- Intended for 8-25ft mounting heights.
- Provides a coverage area radius for walking motion of 25-30ft.
- Provides 180° of coverage (~180° is blocked by the wall).
- Factory preset to 50% dimming with no occupancy.
- May be reprogrammed using additional remote programmer.
Remote Programmer part number: WS FSIR-100 PROGRAMMER (197634)
- Photoelectric control is integrated through the motion sensor, and is offered as standard.



Sensor Pattern:

Sensing Pattern Wall Pack Fixture Up to 25ft.



NOTES:

GE EVOLVE LED AREA LIGHT SCALABLE WALL PACK EWS2-0-40-BLCK OR APPROVED EQUAL.

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 3/11/2016			

INSULATED SINGLE CONDUCTORS
18" (460) MIN. ABOVE TOP OF HANDHOLE,
LIGHT STANDARD BASE, OR JUNCTION
BOX ENTRY

TERMINATE POLYETHYLENE
DUCT 1/2" (13) ABOVE BUSHING

INSULATED BONDING BUSHING
(R.M.C. ONLY)

R.M.C. OR P.V.C.

POLYETHYLENE DUCT

BARE COPPER GROUNDING
CONDUCTOR SIZE #8 OR
AS OTHERWISE SPECIFIED

**CABLE IN DUCT TERMINATION AT
LIGHT STANDARD BASE, HANDHOLE
AND CAST IRON JUNCTION BOX**

18"x12"x8" (450x300x200) C.I.J.B. (EXIST.)
BRANCH CIRCUIT CONNECTIONS TO BE
MADE IN C.I.J.B.

R.M.C. IN STRUCTURE (EXIST.)
INSTALL 2 #2, 1 #8 GND.

2" (50) FLEXIBLE METAL CONDUIT
WITH SUFFICIENT SLACK
(SEE NOTE 1)

2" (50) RMC 2 #2, 1 #8 GND.

18"x12"x8" (450x300x200) C.I.J.B. SURFACE
MOUNTED TO ABUTMENT - INSTALL
FUSES FOR UNDERBRIDGE LUMINAIRES
(SEE NOTE 2)

3/4" (20) R.M.C. W/BACK SPACER
AND CLAMP (TYPICAL) SPACING
AS PER N.E.C. - 3 #10 COND.

ATTACH 3/4" (20) R.M.C. W/BACK SPACER
AND CLAMP TO CONCRETE INSERTS

BEARING PAD
(TYP.)

3/4" (20) FLEXIBLE METAL CONDUIT
WITH SUFFICIENT SLACK (SEE NOTE 1)

3/4" (20) R.M.C. TO PENDANT LUMINAIRE
3 #10 CONDUCTORS

3/4" (20) "T" FITTING

WALL MOUNTED LUMINAIRE
MOUNTING HEIGHT AS INDICATED
ON PLANS

TOP OF ABUTMENT

CONDUIT AND CONDUCTORS
TO ADDITIONAL LUMINAIRES
AS REQUIRED

NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO DETERMINE THE MAXIMUM AMOUNT OF MOVEMENT BETWEEN THE BRIDGE SUPERSTRUCTURE AND THE ABUTMENT/PIER. AN APPROPRIATE LENGTH OF FLEXIBLE CONDUIT SHALL BE INSTALLED TO ACCOMMODATE THIS MOVEMENT.
2. SURFACE MOUNTED C.I.J.B. SHALL BE PAID FOR UNDER A SEPARATE ITEM AND NOT AS PART OF THE UNDERBRIDGE LIGHT ITEM. 2" (50) RMC (SURFACE), 2" (50) FLEXIBLE CONDUIT, NO. 2 CONDUCTORS, AND NO. 8 GROUNDING CONDUCTOR TO BE INCLUDED AS PART OF UNDERBRIDGE LIGHT ITEM.

TYPICAL LAYOUT AND FEED FOR UNDERBRIDGE LUMINAIRE, WALL OR PENDANT MOUNTED

NO. 2 AWG LIGHTING CIRCUIT
CONDUCTOR (TYP.)

WATERTIGHT CAP (TYP.)

SCREW CONNECTOR PORT (TYP.)
QUANTITY AS REQUIRED

INTERNAL "BALL BOTTOM" HEX HEAD
SCREW CONNECTOR (TYP.)

INSULATED ALUMINUM BAR CONNECTOR
WATERTIGHT, 600 VOLT, 90°C, U.L. LISTED

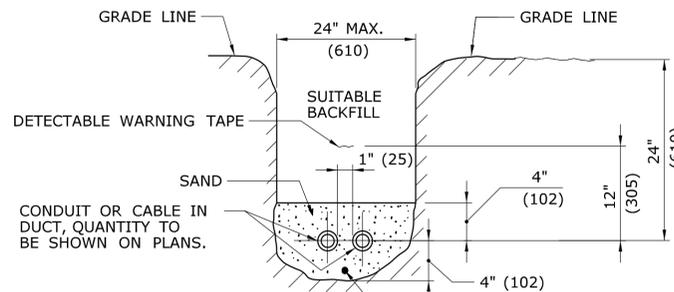
HIGH STRENGTH DIELECTRIC
MOLDED EDPM RUBBER
INSULATION, ABRASION AND
CHEMICAL RESISTANT

INTERNAL 6061-T6 ALUMINUM
CONNECTOR BAR

CABLE CONNECTION PORT (TYP.)
WITH WATERTIGHT FIT TO CABLE.
QUANTITY AS REQUIRED

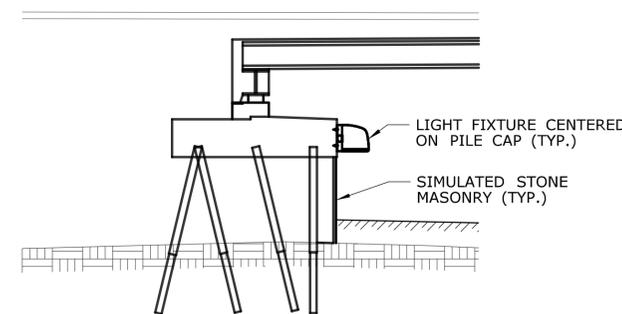
WATERTIGHT CONNECTOR

TO BE USED IN HANDHOLES AND JUNCTION BOXES

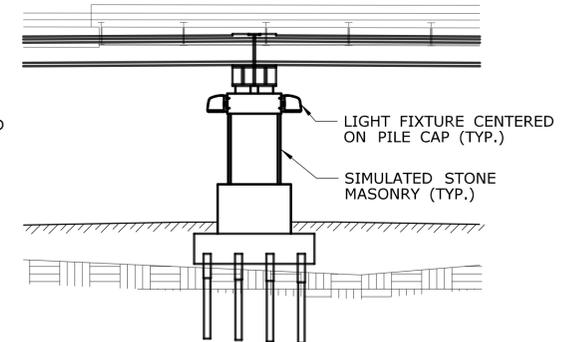


BURIED CONDUIT OR CABLE IN DUCT

8 BARE COPPER GROUNDING
CONDUCTOR TO BE CONTAINED
WITHIN R.M.C. OR OUTSIDE
CABLE IN DUCT.



**ABUTMENT MOUNTED
LIGHT FIXTURE DETAIL**



**PIER MOUNTED
LIGHT FIXTURE DETAIL**

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OVER ATLANTIC STREET - PHASE 2E**

TOWN:
STAMFORD
DRAWING TITLE:
DETAILS

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135-301
DRAWING NO.
ILL-05
SHEET NO.

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