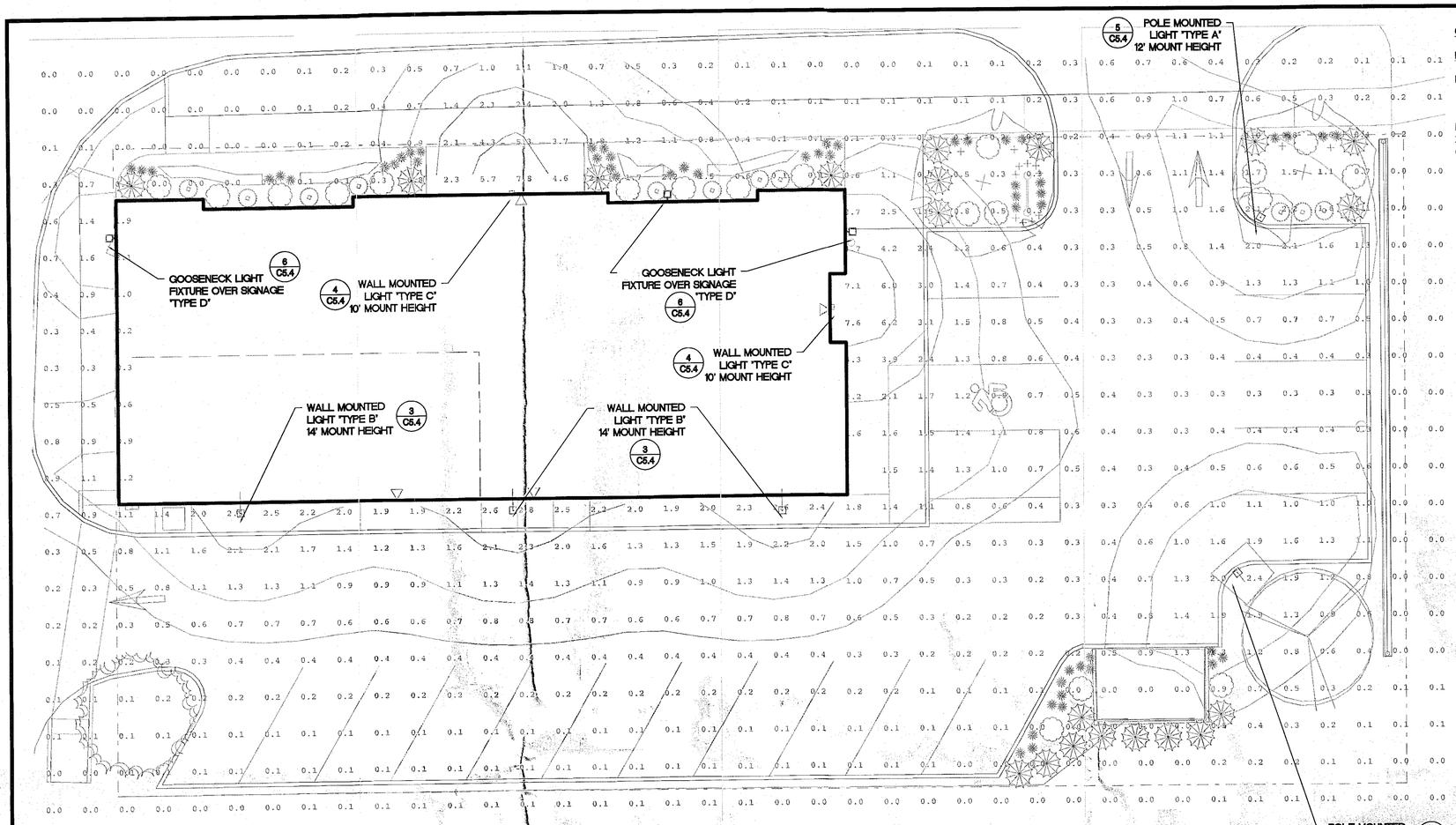



## 1 BUILDING ILLUMINATION PLAN
SCALE: N.T.S.

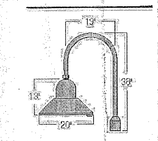
**Calculation Summary**

| Label | Units | Avg. | Max. | Min. | Avg./Min. | Max./Min. |
|---|---|---|---|---|---|---|
| Exterior Areas | Fc | 0.70 | 7.8 | 0.0 | N.A. | N.A. |

Note:
1. Lens Shields to be provided for each light fixture as necessary in order to minimize illumination exposure onto adjacent properties.

NOTES:

1. LIGHT FIXTURE TO BE MODEL NUMBER WBRO3/D154-TS20 AS MANUFACTURED BY AMERLUX OR APPROVED EQUAL.
2. FIXTURE COLOR TO BE PREMIUM QUALITY THERMOSET POLYESTER POWDERCOAT IN SATIN BLACK.




PT01/D154-TS20
EPA: 1.23

Description
This contemporary styled **D154-TS20 Series** combines a cast aluminum housing, a spun aluminum shade and segmented reflector to create an efficient luminaire with Type III(HR3) or Type V(HR5) light distribution. Some of the most popular brackets for use with this fixture are shown below, however there are others available in the "Brackets & Wall Luminaires" section of this catalog.

Installation
The luminaire will mount to the bracket as shown on the reverse page. Post top luminaire brackets will mount to a 3" OD post or tenon with (6) 5/16" stainless steel set screws. Wall bracket models have four 3/8" holes for mounting (wall mount hardware is not included).

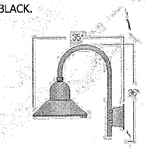
Electrical
- High power factor ballast (HPF), core and coil type, pre-wired and tested
- Easy ballast pod access
- 4KV pulse rated porcelain socket
- Suitable for wet location

Lens
Clear smooth flat tempered glass (GL)

## 2 POST MOUNTED LIGHT FIXTURE TYPE 'A'
SCALE: N.T.S.

NOTES:

1. LIGHT FIXTURE TO BE MODEL NUMBER PT01/D154-TS20 AS MANUFACTURED BY AMERLUX OR APPROVED EQUAL.
2. FIXTURE COLOR TO BE PREMIUM QUALITY THERMOSET POLYESTER POWDERCOAT IN SATIN BLACK.




WBR03/D154-TS20

Description
This contemporary styled **D154-TS20 Series** combines a cast aluminum housing, a spun aluminum shade and segmented reflector to create an efficient luminaire with Type III(HR3) or Type V(HR5) light distribution. Some of the most popular brackets for use with this fixture are shown below, however there are others available in the "Brackets & Wall Luminaires" section of this catalog.

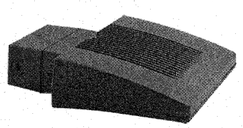
Installation
The luminaire will mount to the bracket as shown on the reverse page. Post top luminaire brackets will mount to a 3" OD post or tenon with (6) 5/16" stainless steel set screws. Wall bracket models have four 3/8" holes for mounting (wall mount hardware is not included).

Electrical
- High power factor ballast (HPF), core and coil type, pre-wired and tested
- Easy ballast pod access
- 4KV pulse rated porcelain socket
- Suitable for wet location

Lens
Clear smooth flat tempered glass (GL)

## 3 BUILDING MOUNTED LIGHT FIXTURE TYPE 'B'
SCALE: N.T.S.

WPLED18



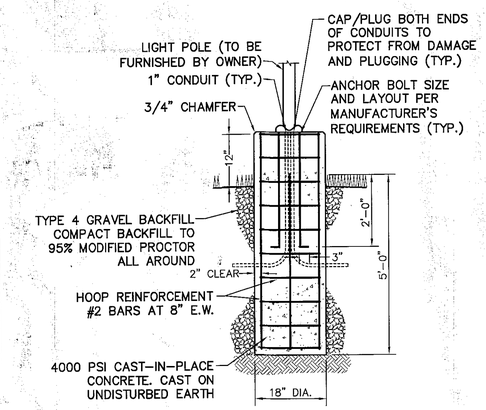
Ultra-high efficiency LED 18 Watt wallpack. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.
Color: Bronze Weight: 7.5 lbs

| Driver Info | | LED Info | |
|---|---|---|---|
| Type: | Constant Current | Watts: | 18W |
| 120V: | 0.17A | Color Temp: | 5000K (Cool) |
| 208V: | 0.11A | Color Accuracy: | 66 CRI |
| 240V: | 0.09A | L70 Lifespan: | 100000 |
| 277V: | 0.08A | Lumens: | 2,044 |
| Input Watts: | 20W | Efficacy: | 103 LPW |
| Efficiency: | 91% | | |

NOTES:

1. LIGHT POST TO BE MODEL NUMBER WPLED2T78Y/480 AS MANUFACTURED BY RAB LIGHTING OR APPROVED EQUAL.

## 4 BUILDING MOUNTED LIGHT FIXTURE TYPE 'C'
SCALE: N.T.S.



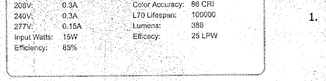

NOTE: PROVIDE 3/4"x 8' LONG COPPER COATED STEEL GROUND ROD ON SIDE OF EACH LIGHT POLE. CABLE SIZE TO FIXTURE SIZED PER NEC CODE, SECTION 250 WITH STRANDED BARE COPPER. COMPLY WITH LIGHT POLE MANUFACTURER'S RECOMMENDATIONS AND NEC.

D37

NOTES:

1. LIGHT POST TO BE HAMILTON SERIES MODEL NUMBER D37-12 AS MANUFACTURED BY AMERLUX OR APPROVED EQUAL.
2. LIGHT POST COLOR TO BE PREMIUM QUALITY THERMOSET POLYESTER POWDERCOAT IN SATIN BLACK.

## 5 LIGHT POLE BASE & FIXTURE DETAIL
SCALE: N.T.S.



13 & 26 Watt Angled Cone Shade LED Gooseneck Luminaire designed to match the architecture of Main Street storefronts and building perimeters. LED Gooseneck Cone Shade with 35" Goose Arm Style 2.
Color: Black Weight: 14.0 lbs

| Driver Info | | LED Info | |
|---|---|---|---|
| Type: | Constant Current | Watts: | 13W |
| 120V: | 0.3A | Color Temp: | 4000K (Neutral) |
| 208V: | 0.3A | Color Accuracy: | 86 CRI |
| 240V: | 0.3A | L70 Lifespan: | 100000 |
| 277V: | 0.15A | Lumens: | 380 |
| Input Watts: | 15W | Efficacy: | 25 LPW |
| Efficiency: | 65% | | |

NOTES:

1. LIGHT POST TO BE MODEL NUMBER GN2LED13NAC11B AS MANUFACTURED BY RAB LIGHTING OR APPROVED EQUAL.

## 6 BUILDING MOUNTED LIGHT FIXTURE TYPE 'D'
SCALE: N.T.S.

PLANNING BOARD APPROVAL

TOWN OF BETHLEHEM, NEW YORK
DEPARTMENT OF PUBLIC WORKS
- OFFICE COPY -
0 1 INCHES 2

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
By direction of the Chairman.
These drawings are hereby approved.
See sheet(s) 4 & 10
for date and signature

COPYRIGHT 2016 WESTON & SAMPSON

Weston&Sampson®
WESTON & SAMPSON, PE, LS, LA, PC
22 High Street, Rensselaer, N.Y. 12144
Tel: (518)463-4400 Fax: (518)432-6741
(800) SAMPSON
www.westonandsampson.com

| No. | Date | Dr.By | Ck.By | App.By | Description |
|---|---|---|---|---|---|
| A | | P | P | R | O V E D |

MARCH 29, 2016
DATE

REGISTERED PROFESSIONAL

REGISTERED LANDSCAPE ARCHITECT ☆ STATE OF NEW YORK ☆ DANIEL P. BIGGS 2443-1

308 DELAWARE AVENUE, DELMAR, NEW YORK 12054
SITE PLAN DOCUMENTS

# CONSTRUCTION DETAILS

| CONTRACT: | JOB NO. | DR.BY | DSN.BY | CHK.BY | APP.BY |
|---|---|---|---|---|---|
| ---- | N21400047 | JWG | DPB | DPB | JFB |

| SCALE: | CADD NO. | FILE NO. |
|---|---|---|
| AS NOTED | C5.4 | ---- |

C5.4

SHEET 6 OF 10

Z:\NY-Rensselaer-Projects\Delmar, NY\308 Delaware Ave\CADD\PLAN\C5.4 CONSTRUCTION DETAILS.dwg