















ISSUE DATES:

RFI/SI DATE:

This document contains confidential or proprietary information of Iconica. Neither the document nor the information herein is to be reproduced, distributed, used or disclosed, either in whole or in part, except as specifically authorized by Iconica.

PROJECT #: 20160840

SHEET NUMBER

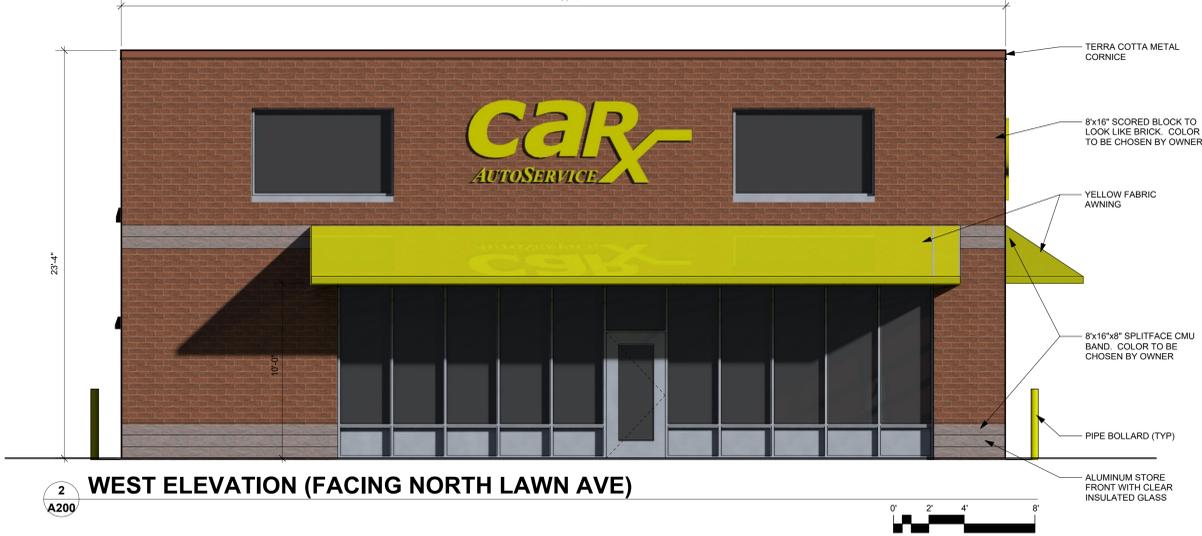
**A200**

© 2016 Iconica, Inc.



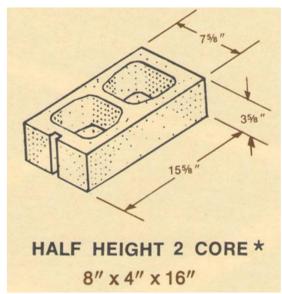
**1 EAST ELEVATION**

A200



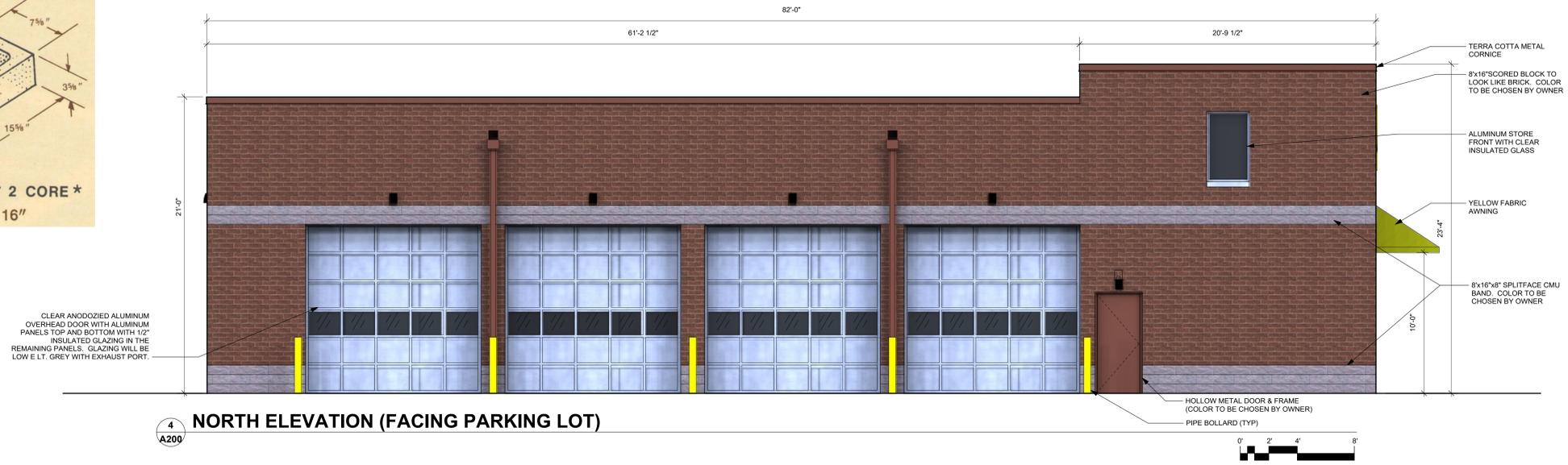
**2 WEST ELEVATION (FACING NORTH LAWN AVE)**

A200



**3 8x16 CONCRETE BLOCK**

A200



**4 NORTH ELEVATION (FACING PARKING LOT)**

A200



**5 SPLIT FACE BLOCK**

A200



**6 SOUTH ELEVATION (FACING E. WASH)**

A200





**UTILITY NOTES:**

THE CONTRACTOR SHALL CONTACT DIGGERS HOTLINE A MINIMUM OF 3 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

STANDARD SPECIFICATIONS: PERFORM ALL WORK IN ACCORDANCE WITH THE PROVISIONS OF:

- CITY OF MADISON STANDARD SPECIFICATIONS, LATEST EDITION.
- "STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN" (SSWC) LATEST EDITION.
- STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (WSDOT) LATEST EDITION.
- CONTRACTOR SHALL OBTAIN A CURRENT COPY OF THE CITY OF MADISON'S STANDARD SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS AND OTHER REVISIONS TO DATE, UNLESS OTHERWISE DIRECTED IN THE SPECIFICATIONS.
- WITHIN THE RIGHT-OF-WAY OR UNDERNEATH PAVEMENTS OR BUILDINGS, GRANULAR TRENCH BACKFILL MUST BE USED TO FILL THE TRENCH. ALL OTHER AREAS MAY UTILIZE EXCAVATED TRENCH SPOIL FOR BACKFILL PROVIDING THAT THE MATERIAL IS FREE OF ORGANIC MATERIAL AND STONES LARGER THAN 6" IN DIAMETER.
- A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORD WITH THE PROVISIONS OF THESE CODE SECTIONS AS PER 182.0715(2R) OF THE STATUTES.

**WATER DISTRIBUTION SYSTEM:**

**MAIN:**

- WATER MAIN SHALL HAVE A MINIMUM BURY DEPTH OF 7 FEET TO THE TOP OF PIPE. IF 7 FEET OF BURY CANNOT BE OBTAINED, CONTRACTOR SHALL PLACE A MINIMUM OF 4 INCHES OF STYROFOAM INSULATION ON TOP AND ON THE SIDES OF THE WATER MAIN TO THE 7 FOOT BURY LINE PER THE SSSWC.
- DUCTILE IRON (D.I.) AWWA C-151 CLASS 52 WITH CABLE BOND CONDUCTORS, FURNISHED AND INSTALLED PER CHAPTER 8.180 (WSWS) OR
- ALL WATER MAIN JOINTS SHALL BE RESTRAINED.

**LATERALS:**

- PVC AWWA, C-900, CL150, SDR 18 OR DUCTILE IRON AWWA C-151, CLASS-52.
- WATER LATERAL AND HYDRANT TEES SHALL BE ANCHORED.

**STORM SEWER:**

**STRUCTURES:**

- CONSTRUCT PER CITY OF MADISON STANDARD SPECIFICATIONS AND STANDARD DETAIL DRAWING 5.7.5.
- INLETS SHALL BE 48-IN DIAMETER PRECAST CONCRETE STRUCTURES UNLESS OTHERWISE NOTED.
- INLET CASTINGS SHALL BE NEEHAH R-1550 CASTINGS WITH TYPE C GRATES.
- ALL INLETS SHALL INCLUDE FLEXSTORM PC+ PERMANENT INLET FILTERS WITH REPLACEABLE FILTER BAGS AND CLEARTEC RUBBERIZER POUCHES, OR APPROVED EQUAL.

**INLET PROTECTION:**

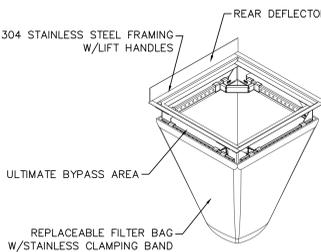
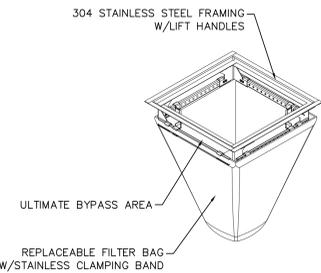
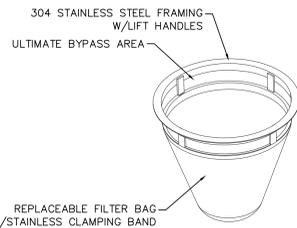
- INSTALL INLET PROTECTION FOR THE DURATION OF CONSTRUCTION IN ALL DESIGNATED INLETS PER CITY OF MADISON STANDARD SPECIFICATION SECTION 210.1(f).

**PIPE:**

- STORM SEWER SPECIFIED AS RCP SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO THE FOLLOWING SPECIFICATIONS UNLESS OTHERWISE NOTED:

- 12" DIA - CLASS V RCP
- 15" DIA - CLASS IV RCP
- 18+" DIA - CLASS III RCP

- STORM SEWER SPECIFIED AS PVC SHALL BE SDR 26.
- STORM SEWER PIPE: REINFORCED CONCRETE PIPE (RCP) CONFORMING TO ASTM C-76. POLYETHYLENE MATERIAL SHALL CONFORM TO ASTM D3350. AN APPROVED RUBBER GASKET JOINT SHALL BE USED FOR EITHER OPTION. JOINTS FOR RCP SHALL CONFORM TO ASTM D-471. JOINTS FOR HDPE SHALL CONFORM TO ASTM F-477.
- ALL PERFORATED DRAIN TILE SHALL BE PLASTIC WITHOUT A FILTER SOCK.



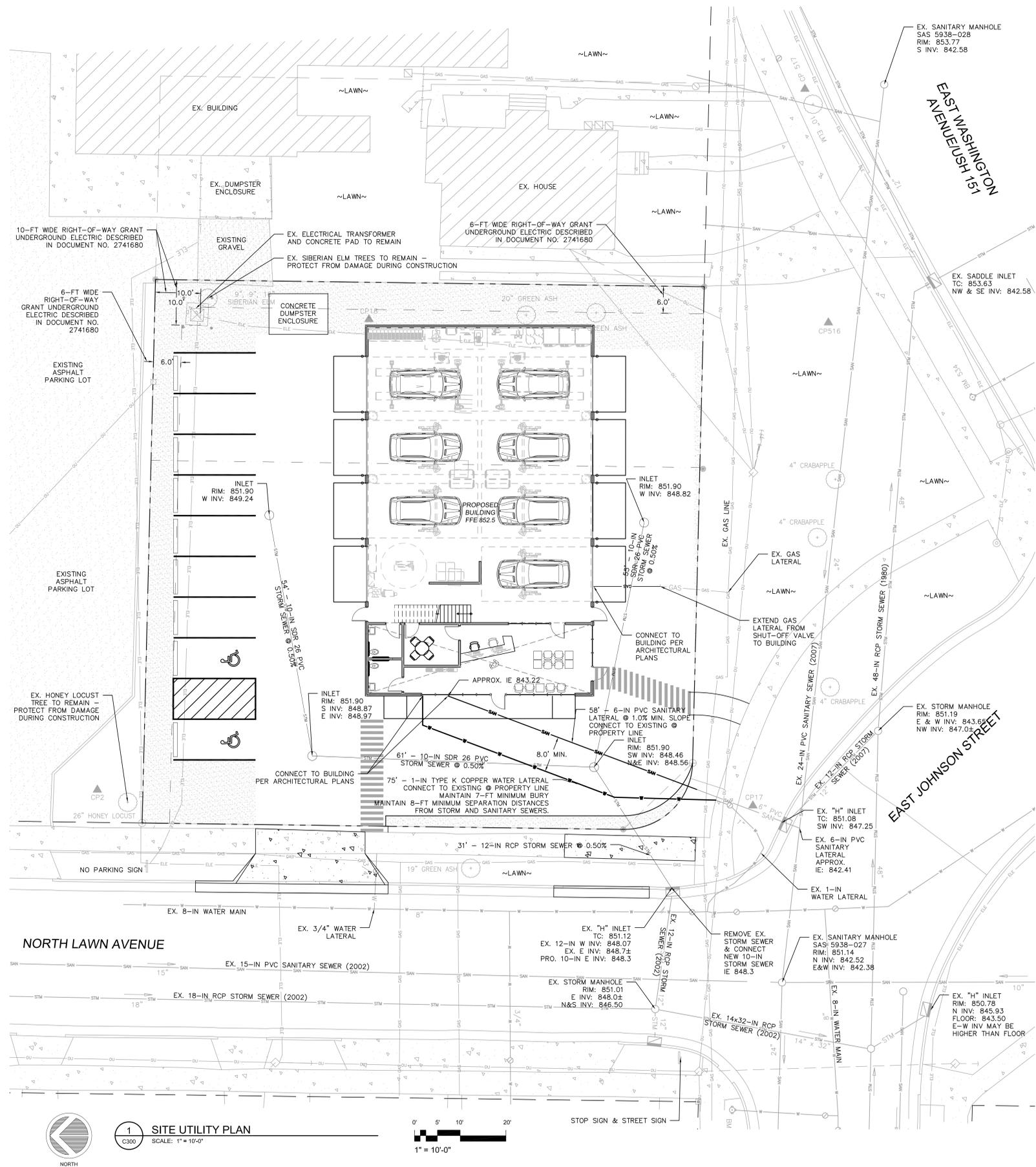
**INSTALLATION:**

1. REMOVE GRATE.
2. DROP INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE.
3. REPLACE GRATE.

**NOTES:**

1. ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR SERVICE LIFE RATING.
2. TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZED DRAINAGE STRUCTURE.
3. ALL INLET FILTERS SHOULD INCLUDE REPLACEABLE CLEARTEC RUBBERIZER POUCHES.

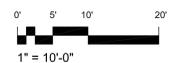
| LEGEND |  |
|--------|--|
|        | PROPOSED WATER LATERAL                 |
|        | PROPOSED SANITARY LATERAL              |
|        | PROPOSED GAS LATERAL                   |
|        | PROPOSED STORM SEWER                   |
|        | PROPOSED ELECTRICAL                    |
|        | SILT SOCK                              |
|        | BOUNDARY OF PROPERTY SURVEYED          |
|        | OTHER LOT OR RIGHT-OF-WAY LINE         |
|        | EASEMENT LINE                          |
|        | TEMPORARY INLET PROTECTION             |
|        | CONCRETE CURB & GUTTER                 |
|        | 6" CONCRETE CURB                       |
|        | CONCRETE WHEEL STOP                    |
|        | FENCE                                  |
|        | EX. MANHOLE - SEE LABEL                |
|        | EX. SANITARY SEWER WITH MANHOLE        |
|        | EX. WATER MAIN WITH MANHOLE            |
|        | EX. WATER VALVE                        |
|        | EX. FIRE HYDRANT                       |
|        | EX. STORM SEWER WITH MANHOLE           |
|        | EX. STORM INLET IN CURB                |
|        | OTHER EX. STORM INLET                  |
|        | EX. UNDERGROUND TELECOMMUNICATION LINE |
|        | EX. UNDERGROUND ELECTRIC LINE          |
|        | EX. UNDERGROUND GAS LINE               |
|        | EX. GAS METER                          |
|        | EX. GAS VALVE                          |
|        | EX. ELECTRIC BOX                       |
|        | EX. OVERHEAD UTILITY                   |
|        | EX. UTILITY POLE                       |
|        | EX. LIGHT POLE                         |
|        | EX. TRAFFIC SIGNAL                     |
|        | EX. SIGN                               |
|        | EX. AIR CONDITIONER                    |
|        | EX. BOLLARD                            |
|        | EX. DECIDUOUS TREE CANOPY NOT TO SCALE |



**2 FLEXSTORM PURE PC+ PERMANENT INLET FILTER DETAIL**  
SCALE: N.T.S.



**1 SITE UTILITY PLAN**  
SCALE: 1" = 10'-0"



**CAR-X**  
2802 EAST JOHNSON STREET  
MADISON, WI 53704  
**CLIENT NAME**  
CLIENT STREET  
CLIENT CITY, STATE, ZIP

**ISSUE DATE:**

**RFI/SI DATE:**

This document contains confidential or proprietary information of Iconica. Neither the document nor the information herein is to be reproduced, distributed, used or disclosed, either in whole or in part, except as specifically authorized by Iconica.

**PROJECT #:** 20160840  
**SHEET NUMBER**

**C300**



JANUARY 17, 2017

# CAR-X SITE LIGHTING LIGHT FIXTURE CUT SHEETS

CAR-X  
MAD PROPERTIES, LLC  
1032 EAST WASHINGTON AVENUE  
MADISON, WI 53703

ICONICA  
901 DEMING WAY  
MADISON, WI 53717



12, 18 and 26 Watt SLIM wallpacks are ultra efficient and deliver impressive light distribution with a compact low-profile design that's super easy to install as a downlight or uplight.

Color: Bronze

Weight: 4.5 lbs

Project:  
**CAR-X**

Type:  
**TYPE A**

Prepared By:

Date:

**Driver Info**

Type: Constant Current  
 120V: 0.27A  
 208V: 0.15A  
 240V: 0.15A  
 277V: 0.13A  
 Input Watts: 30W  
 Efficiency: 88%

**LED Info**

Watts: 26W  
 Color Temp: 4000K  
 Color Accuracy: 82 CRI  
 L70 Lifespan: 100000  
 Lumens: 2,493  
 Efficacy: 85 LPW

**Technical Specifications**

**Listings**

**UL Listing:**

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

**ADA Compliant:**

SLIM™ is ADA Compliant.

**Dark Sky Approved:**

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

**IESNA LM-79 & LM-80 Testing:**

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

**Construction**

**IP Rating:**

Ingress Protection rating of IP66 for dust and water

**Cold Weather Starting:**

The minimum starting temperature is -40°C/-40°F

**Maximum Ambient Temperature:**

Suitable for use in 104°F (40°C) ambient temperatures

**Thermal Management:**

Superior heat sinking with internal Air-Flow fins.

**Housing:**

Precision die-cast aluminum housing.

**Mounting:**

Heavy-duty mounting bracket with hinged housing for easy installation.

**Recommended Mounting Height:**

Up to 22 ft.

**Lens:**

Tempered glass lens.

**Reflector:**

Specular thermoplastic.

**Gaskets:**

High-temperature silicone

**Finish:**

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

**Green Technology:**

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

**LED Characteristics**

**LED:**

Multi-chip, long-life LED.

**Lifespan:**

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

**Color Consistency:**

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

**Color Stability:**

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

**Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines for the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

**Electrical**

**Driver:**

Constant Current, Class 2, 100-277V, 50/60 Hz., 6KV surge protection, 720mA, 100-277VAC 0.4 Amps, Power Factor 99%.

**THD:**

14.5% at 120V

**Other**

**HID Replacement Range:**

The SLIM26 can be used to replace 175W MH based on delivered lumens.

**California Title 24:**

See SLIM26/D10 for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

**Patents:**

The design of the SLIM™ is protected by patents in U.S. Pat D681,864, and pending patents in Canada, China, Taiwan and Mexico.

## Technical Specifications (continued)

**Optical**

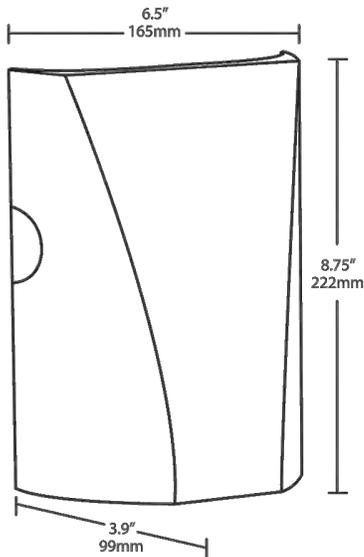
**BUG Rating:**

B1 U0 G0

**BUG Rating:**

B1 U0 G0

### Dimensions



### Features

- Full cutoff, fully shielded LED wallpack
- Can be used as a downlight or uplight
- Contractor friendly features for easy installation
- 100,000-hour LED Life
- 5-Year Warranty

### Ordering Matrix

| Family | Watts   | Color Temp   | Finish                                 | Photocell   | Dimming  |
|--------|---|--|--|---|--|
| SLIM   | <p>26 = 26W</p> <p>18 = 18W</p> <p>12 = 12W</p> | <p>Blank = 5000K (Cool)</p> <p>Y = 3000K (Warm)</p> <p>N = 4000K (Neutral)</p> | <p>Blank = Bronze</p> <p>W = White</p> | <p>Blank = No Photocell</p> <p>/PC = 120V Button</p> <p>/PC2 = 277V Button</p> <p>/PCT = 120-277V Twistlock</p> | <p>Blank = No Dimming</p> <p>/D10 = Dimmable</p> |



37, 57 and 62 Watt SLIM Wallpacks are designed to cover the footprint of most traditional wallpacks. They are suitable for mounting heights from 20' to 30', and replace HID Wattages from 200W MH to 320W MH. These ultra-high efficiency fixtures are available in cutoff or full cutoff models.

Color: Bronze

Weight: 7.5 lbs

**Project:**  
CAR-X

**Type:**  
**TYPE B**

**Prepared By:**

**Date:**

#### Driver Info

|              |                  |
|--------------|------------------|
| Type:        | Constant Current |
| 120V:        | 0.31A            |
| 208V:        | 0.19A            |
| 240V:        | 0.16A            |
| 277V:        | 0.14A            |
| Input Watts: | 38W              |
| Efficiency:  | 98%              |

#### LED Info

|                 |        |
|-----------------|--------|
| Watts:          | 37W    |
| Color Temp:     | 4000K  |
| Color Accuracy: | 82 CRI |
| L70 Lifespan:   | 100000 |
| Lumens:         | 2,587  |
| Efficacy:       | 69 LPW |

## Technical Specifications

### Listings

#### UL Listing:

Suitable for wet locations. Wall Mount only.

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

#### DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.  
DLC Product Code: P00001722

### Construction

#### Footprint:

Designed to replace RAB HID WP1 wallpacks, both in size and footprint template, so upgrading to LED is easy and seamless.

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

#### Cold Weather Starting:

The minimum starting temperature is -40°C/-40°F

#### Maximum Ambient Temperature:

Suitable for use in 104°F (40°C) ambient temperatures

#### Thermal Management:

Superior thermal management with internal Air-Flow fins.

#### Housing:

Precision die-cast aluminum housing and door frame.

#### Mounting:

Die-cast back box with four (4) conduit entry points and knockout pattern for junction box or direct wall mounting. Hinged housing and bubble level for easy installation.

#### Cutoff:

Cutoff (7.5°)

#### Recommended Mounting Height:

Up to 20 ft.

#### Lens:

Microprismatic diffusion glass lens reduces glare and has smooth and even light distribution.

#### Reflector:

Specular thermoplastic.

#### Gaskets:

The unique design of the tight-lock gasket ensures no water or environmental elements will ever get inside the SLIM.

#### Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

#### Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

### LED Characteristics

#### LED:

Long-life, high-efficiency, micro-power, surface mount LEDs; binned and mixed for uniform light output and color.

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

#### Correlated Color Temp. (Nominal CCT):

4000K

#### Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

#### Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

### Electrical

#### Driver:

Constant Current, 100-277V. 50/60Hz, 100-277VAC 0.6A, 4kV Surge Protection, 700mA, Power Factor 99.4%.

#### THD:

7.5% at 120V, 7.6% at 277V

### Other

#### HID Replacement Range:

The SLIM37 can be used to replace 200W MH based on delivered lumens.

#### Accessories:

Available accessories include polyclear and wire guard. Click to see all accessories.

## Technical Specifications (continued)

### Other

#### California Title 24:

See SLIM37/BL for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

#### Patents:

The design of the SLIM™ is protected by patents pending in US, Canada, China, Taiwan and Mexico.

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

#### Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

#### Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

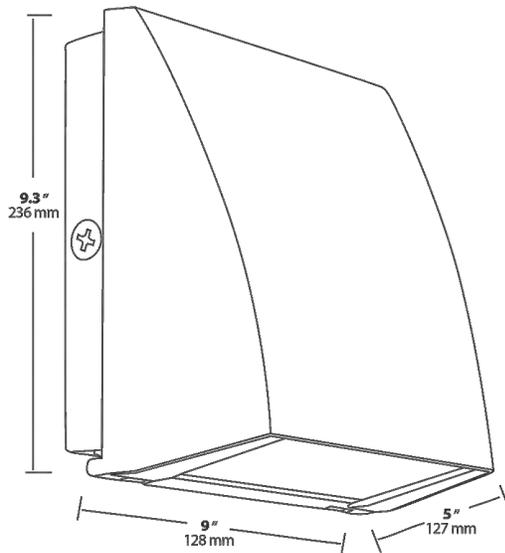
Suitable in accordance with FAR Subpart 25.4.

#### Optical

#### BUG Rating:

B1 U1 G1

## Dimensions



## Features

- Covers footprint of most traditional wallpacks
- Easy installation with hinged access, bubble level and multiple conduit entries
- Tight-lock gasket keeps elements out
- 100,000-hour LED lifespan
- 5-Year warranty

## Ordering Matrix

| Family | Cutoff   | Watts                            | Color Temp  | Finish                      | Photocell  | Bi-Level  |
|--------|--|----------------------------------|---|-----------------------------|--|---|
| SLIM   | Blank = Standard<br>C = Cutoff<br>FC = Full Cutoff | 62 = 62W<br>57 = 57W<br>37 = 37W | Blank = 5000K (Cool)<br>Y = 3000K (Warm)<br>N = 4000K (Neutral) | Blank = Bronze<br>W = White | Blank = No Photocell<br>/PC = 120V Button<br>/PC2 = 277V Button<br>/PCS = 120V Swivel<br>/PCS2 = 277V Swivel | Blank = No Bi-Level<br>/BL = Bi-Level (57W & 62W) |