City of Fitchburg Planning/Zoning Department 5520 Lacy Road Fitchburg, WI 53711 (608-270-4200)	**ARCHITECTURAL & DESIGN REVIEW APPLICATION**

Applicant/Contact Person: Bob Feller

Address: 901 Deming Way **Phone Number of Contact Person:** 608-664-3591

City, State, Zip Code: Madison, WI 53717 **Email of Contact Person:** bob.feller@iconicacreates.com

Project Address: 5400 King James Way **Lot:** _____ **Subdivision:** _____

Project Type: _____ **Multi-Family** ✓ **Commercial** _____ **Industrial** _____ **Other**

_____ **New** _____ **Addition**

Impervious Surface Ratio (ISR): 72% (City Standard: maximum 65% ISR)

All items listed below must be included with the application to be considered complete. If an item is not included with the application, the applicant must provide in writing the basis for not including it. Building and site plans submitted to the Fitchburg Plan Commission for architectural and design review shall contain the following information:

Site Data:

- [X] 1. Lot or property dimensions.
- [X] 2. Orientation (to north).
- [X] 3. Adjacent highways, roads, drive, etc.
- [X] 4. Existing natural features (rivers, ponds, wetlands).
- [X] 5. Existing buildings and/or improvements.
- [X] 6. Existing and proposed site drainage.
- [X] 7. Utility plans, including main/lateral sizes and existing fire hydrants on site or within 300 feet of the site
- [X] 8. ISR shall be indicated on all plans.
- [X] 9. Stormwater management plans and details.
- [X] 10. Lighting plan in footcandles and light fixture cut sheets.

Building:

- [X] 1. Building size, configuration and orientation.
- [X] 2. Distance from lot lines.
- [X] 3. Distance from other buildings, improvements and natural features.
- [X] 4. Location of well, septic tank, drainfield, etc. (if applicable)
- [X] 5. Additional proposed additions or new structures.
- [X] 6. Construction type (wood frame, structural steel, etc.).
- [X] 7. Foundation type (full basement, slab on grade, etc.).
- [X] 8. Number of levels.
- [X] 9. Siding/exterior covering type, color, texture, etc.
- [X] 10. Roof type (gable, hip, shed, flat, etc.) and pitch.
- [X] 11. Roofing material type, color, texture, etc.
- [X] 12. Exterior door and window location, size, type, etc.
- [X] 13. Fire protection sprinklers or fire alarm systems.

Ingress, Egress, Parking:

- [X] 1. Location of highway and road access points.
- [X] 2. Location, size, configuration of drivers and walks.
- [X] 3. Number, size, location of parking spaces.
- [X] 4. Location of handicapped parking and accessible building entrances.
- [X] 5. Bicycle rack(s).

Landscaping:

- [x] 1. Location, species, size of existing trees, shrubs, and plantings.
- [x] 2. Location, species, size of proposed plantings.
- [x] 3. Location and size of all paved, seeded/sodded and gravelled areas.
- [x] 4. Location of all retaining walls, fences, berms and other landscape features.

***It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an ADR application to identify any concerns or issues of surrounding residents.**

The preceding information is considered to be the minimum information for submission, and the City may require additional information for its review. Any interpretations provided by city officials as the result of submitting the attached information are based on the submitted plans, and any plan changes, may affect the interpretations.

It is the responsibility of the owner/applicant to insure compliance with all local and state requirements. The below signed applicant acknowledges the above information and hereby submits the attached information for the City's Architectural and Design Review Process.

Signed: _____ **Date:** 8/18/2015
Applicant or Authorized Agent

***** Application shall be accompanied by one (1) sets of full-size plans, two (2) sets no larger than 11"x17", and one (1) pdf document of the complete submittal to planning@fitchburgwi.gov. Applications are due at least 4 weeks prior to the desired Plan Commission Meeting. The time frame assumes a complete set of plans is provided, and if it is not provided the Plan Commission date will be adjusted.**

FOR CITY USE ONLY

Date Received:_____ **Plan Commission Date:**_____

Comments:

THE CITY OF Fitchburg City of Fitchburg Planning/Zoning Department 5520 Lacy Road Fitchburg, WI 53711 (608) 270-4200	**CONDITIONAL USE PERMIT APPLICATION**

The undersigned owner, or owner's authorized agent, of property herein described hereby applies for a conditional use permit for the following described property:

1. **Location of Property:**
   Street Address: 5400 King James Way

   Legal Description - (Metes & Bounds, or Lot No. And Plat): Lot #2 Plat 05649; CSM 05649 CS26/163&164

   ***Also submit in electronic format (MS WORD or plain text) by email to: **PLANNING@FITCHBURGWI.GOV**

2. **Current Use of Property:** 1 story retail metal building
3. **Proposed Use of Property:** New 3 story, 46 feet tall, office and retail building with surface and underground parking
4. **Proposed Development Schedule:** Construction start in fall of 2015. Completion in late summer of 2016
5. **Zoning District:** B-G
6. **Future Land Use Plan Classification:**

***Pursuant to Section 22-3(b) of the Fitchburg Zoning Ordinance, all Conditional Use Permits shall be consistent with the currently adopted City of Fitchburg Comprehensive Plan.

***Attach three (3) copies of a site plan which shows any proposed land divisions, plus vehicular access points and thel ocation and size of all existing and proposed structures and parking areas. Two (2) of the three (3) copies shall be no larger than 11" x 17". Submit one (1) pdf document of the entire submittal to planning@fitchburgwi.gov.

Additional information may be requested.

Type of Residential Development (If Applicable): N/A

No. of Dwelling Units by Bedroom: **1 BR** ☐ **2 BR** ☐ **3 BR** ☐ **4 or More** ☐

No. Of Parking Stalls: N/A

Type of Non-residential Development (If Applicable): Office and Retail

Proposed Hours of Operation: Normal Business Hours **No. Of Employees:** To Be Determined

Floor Area: 54,240 **No. Of Parking Stalls:** 198

Sewer: Municipal ☑ **Private** ☐ **Water: Municipal** ☑ **Private** ☐

Current Owner of Property: Benjamin Properties

Address: 5396 King James Way, Madison, WI 53719 **Phone No:** (608) 271-7071

Contact Person: Bob Feller

Email: bob.feller@iconicacreates.com

Address: 901 Deming Way, Madison, WI 53717 **Phone No:** (608) 664-3591

Respectfully Submitted By: Bob Feller

Owner's or Authorized Agent's Signature

**** It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an CUP application to identify any concerns or issues of surrounding residents.**

PLEASE NOTE - Applicants shall be responsible for legal or outside consultant costs incurred by the City. Submissions shall be made at least four (4) weeks prior to desired plan commission meeting.

For City Use Only: **Date Received:** 8/20/15 **Publish:**

Ordinance Section No. **Fee Paid:** $445.00

Permit Request No. CU-2078-15

ICONICA
True Design-Build

August 19, 2015

Susan Badtke
Community Planner
City of Fitchburg
5520 Lacy Road
Fitchburg, WI 53711

Via: Hand Deliver

Re: Architectural and Design Review Re-Application

Dear Ms. Badtke:

Please, find attached our revised Architectural and Design Review Application submission for the proposed development at 5400 King James Way. We are resubmitting based revising the building to 3-stories with underground parking.

One item to note in the application is the ISR proposed for the site. Under current design we are exceeding the percentage by approximately 7%. We are requesting consideration for a variance due to the fact that a portion of the existing site is being turned over to the DOT for the road improvements along Hwy 151. Additionally, the improvements to the site will improve the ISR from the current ratio of 86%.

Another item to note is the building height. The ordinance allows 42' tall buildings, but we are proposing a 46' tall main parapet with a few articulated areas for interest and variety. The desire for 14'-0" floor-to-floor elevations, with 10'-0" ceilings, is what is driving the height. Attached is a Conditional Use Permit Application and fee to allow for the proposed building height modification.

Thank you for your consideration of this request and application. We look forward to Staff comments.

Sincerely,

Bob Feller, AIA
Architectural Director

RGF/rgf

cc: File 4-20130230

P:\20130230 - Benjamin - King James Way\Agency\Fitchburg\2015-08-18 Plan Commission submital - 3 story\2015-08-18 ADR Letter.docx

Iconica
901 Deming Way
Madison, WI 53717

608.664.3500 Ph
608.664.3535 Fx
iconicacreates.com

d"series

D-Series Size 2
LED Area Luminaire

Catalog Number

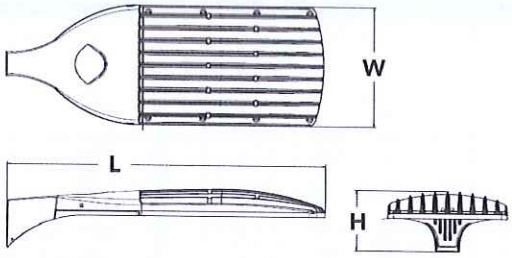
Notes

Type A

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	2.0 ft² (0.19 m²)
Length:	40" (101.6 cm)
Width:	15" (38.1 cm)
Height:	7-1/4" (18.4 cm)
Weight (max):	36 lbs (16.3 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 80% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX2 LED 80C 1000 40K T4M MVOLT SPA DDBXD

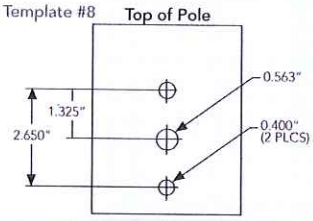
DSX2 LED

Series	LEDs	Drive current	Color temperature	Distribution		Voltage	Mounting
DSX2 LED	**Forward optics** 80C 80 LEDs (four engine) 100C 100 LEDs (four engines) **Rotated optics** [1] 90C 90 LEDs	530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T1S Type I Short T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium T5VS Type V Very Short T5S Type V Short T5M Type V Medium T5W Type V Wide		MVOLT [2] 120 [2] 208 [2] 240 [2] 277 [2] 347 480	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor [3] RPUMBA Round pole universal mounting adaptor [3] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) [4]

Control options				Other options		Finish (required)	
Shipped installed				**Shipped installed**			
PER	NEMA twist-lock receptacle only (no controls) [5]	BL30	Bi-level switched dimming, 30% [10,12]	HS	House-side shield [13]	DDBXD	Dark bronze
PER5	Five-wire receptacle only (no controls) [5,6]	BL50	Bi-level switched dimming, 50% [10,12]	SF	Single fuse (120, 277, 347V) [2]	DBLXD	Black
PER7	Seven-wire receptacle only (no controls) [5,6]	PNMTDD3	Part night, dim till dawn [12]	DF	Double fuse (208, 240, 480V) [2]	DNAXD	Natural aluminum
DMG	0-10V dimming driver (no controls) [7]	PNMT5D3	Part night, dim 5 hrs [12]	L90	Left rotated optics	DWHXD	White
DCR	Dimmable and controllable via ROAM® (no controls) [8]	PNMT6D3	Part night, dim 6 hrs [12]	R90	Right rotated optics	DDBTXD	Textured dark bronze
DS	Dual switching [9,10]	PNMT7D3	Part night, dim 7 hrs [12]			DBLBXD	Textured black
PIRH	Motion sensor, 15-30' mounting height [11]					DNATXD	Textured natural aluminum
						DWHGXD	Textured white

Drilling

Template #8 Top of Pole



DSX2 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.
*Round pole top must be 3.25" O.D. minimum.
**For round pole mounting (RPA) only.

Accessories

Ordered and shipped separately.

Controls & Shields

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [14]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [14]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [14]
SC U	Shorting cap [14]
DSX2HS 80C U	House-side shield for 80 LED unit
DSX2HS 90C U	House-side shield for 90 LED unit
DSX2HS 100C U	House-side shield for 100 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [4]

For more control options, visit DTL and ROAM online.

Tenon Mounting Slipfitter **

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

NOTES
1 Rotated optics option(L90, R90) required for 90C.
2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
3 Available as a separate combination accessory: PUMBA (finish) U. Round pole must have 4" O.D. minimum; 1.5 G vibration load rating per ANCI C136.31.
4 Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" O.D. mast arm (not included).
5 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
6 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
7 347 or 480 voltage option with DMG requires 1000 mA.
8 Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. Not available with PIRH, DS, BL30, BL50, PER5, PER7, or part night options (PNMTxxx).
9 Provides 50/50 luminaire operation via two independent drivers on two separate circuits. Not available with 80C 530, 90C 530, PER, PER5, PER7, DCR, BL30, BL50, or part night options (PNMTxxx).
10 Requires an additional switched line.
11 Specifies the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with BL30, BL50 or DCR.
12 Dimming driver standard. Not available with 347V, 480V, DCR, DS, or PIRH.
13 Also available as a separate accessory; see Accessories information.
14 Requires luminaire to be specified with PER, PER5 or PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

LITHONIA LIGHTING
One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.lithonia.com
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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
80C (80 LEDs)	530 mA	137 W	T1S	14,438	3	0	3	108	15,360	3	0	3	115	15,415	3	0	3	115	10,752	2	0	2	78
			T2S	14,172	3	0	3	106	15,077	3	0	3	113	15,131	3	0	3	113	10,554	2	0	2	77
			T2M	14,196	3	0	3	106	15,102	3	0	3	113	15,156	3	0	3	114	10,571	2	0	2	77
			T3S	14,165	3	0	3	106	15,069	3	0	3	113	15,123	3	0	3	113	10,548	2	0	2	77
			T3M	14,193	3	0	4	106	15,099	3	0	4	113	15,153	3	0	4	114	10,569	2	0	2	77
			T4M	13,736	3	0	4	103	15,067	3	0	4	113	15,121	3	0	4	113	10,547	2	0	2	77
			TFTM	14,424	3	0	4	108	15,345	3	0	4	115	15,400	3	0	4	115	10,741	1	0	2	78
			T5VS	14,980	5	0	1	112	15,936	5	0	1	119	15,993	5	0	1	120	11,155	3	0	0	81
			T5S	14,972	4	0	2	112	15,927	4	0	2	119	15,985	4	0	2	120	11,149	3	0	0	81
			T5M	14,900	5	0	3	112	15,851	5	0	3	119	15,908	5	0	3	119	11,096	3	0	2	81
			T5W	14,713	5	0	3	110	15,652	5	0	3	117	15,709	5	0	3	118	10,957	3	0	2	80
	700 mA	188 W	T1S	17,944	3	0	3	98	19,089	3	0	3	104	19,158	3	0	3	105	13,362	2	0	2	71
			T2S	17,613	3	0	3	96	18,738	3	0	3	102	18,805	3	0	3	103	13,116	2	0	2	70
			T2M	17,643	3	0	3	96	18,769	3	0	3	103	18,836	3	0	3	103	13,138	2	0	2	70
			T3S	17,604	3	0	3	96	18,728	3	0	3	102	18,795	3	0	3	103	13,110	2	0	2	70
			T3M	17,639	3	0	4	96	18,764	3	0	4	103	18,832	3	0	4	103	13,135	2	0	3	70
			T4M	17,071	3	0	4	93	18,725	3	0	4	102	18,792	3	0	4	103	13,108	2	0	2	70
			TFTM	17,926	3	0	4	98	19,071	3	0	4	104	19,139	3	0	4	105	13,349	2	0	2	71
			T5VS	18,617	5	0	1	102	19,805	5	0	1	108	19,876	5	0	1	109	13,864	3	0	1	74
			T5S	18,607	4	0	2	102	19,794	4	0	2	108	19,866	4	0	2	109	13,856	3	0	1	74
			T5M	18,518	5	0	3	101	19,700	5	0	3	108	19,771	5	0	3	108	13,790	3	0	2	73
			T5W	18,286	5	0	3	100	19,453	5	0	3	106	19,523	5	0	3	107	13,617	4	0	2	72
	1000 mA	282 W	T1S	24,339	3	0	3	85	25,892	3	0	3	91	25,985	3	0	3	91	18,125	2	0	2	64
			T2S	23,891	3	0	3	84	25,416	3	0	3	89	25,507	3	0	3	90	17,791	3	0	3	63
			T2M	23,931	3	0	3	84	25,458	3	0	4	89	25,550	3	0	4	90	17,821	3	0	3	63
			T3S	23,879	3	0	3	84	25,403	3	0	3	89	25,494	3	0	3	90	17,782	2	0	2	63
			T3M	23,925	3	0	4	84	25,452	3	0	4	89	25,544	3	0	4	90	17,817	3	0	3	63
			T4M	23,155	3	0	4	81	25,399	3	0	4	89	25,490	3	0	4	90	17,779	2	0	3	63
			TFTM	24,315	3	0	4	85	25,867	3	0	4	91	25,960	3	0	4	91	18,107	2	0	3	64
			T5VS	25,252	5	0	1	89	26,864	5	0	1	94	26,960	5	0	1	95	18,805	3	0	1	67
			T5S	25,238	5	0	2	89	26,849	5	0	2	94	26,946	5	0	2	95	18,794	3	0	1	67
			T5M	25,118	5	0	3	88	26,721	5	0	3	94	26,817	5	0	3	94	18,705	4	0	2	66
			T5W	24,803	5	0	4	87	26,386	5	0	4	93	26,481	5	0	4	93	18,470	4	0	2	65
100C (100 LEDs)	530 mA	175 W	T1S	17,592	3	0	3	103	18,715	3	0	3	110	18,782	3	0	3	110	13,100	2	0	2	75
			T2S	17,268	3	0	3	101	18,370	3	0	3	108	18,436	3	0	3	108	12,859	2	0	2	73
			T2M	17,297	3	0	3	102	18,401	3	0	3	108	18,467	3	0	3	108	12,881	2	0	2	74
			T3S	17,259	3	0	3	101	18,361	3	0	3	108	18,427	3	0	3	108	12,853	2	0	2	73
			T3M	17,293	3	0	4	101	18,397	3	0	4	108	18,463	3	0	4	108	12,878	2	0	3	74
			T4M	16,736	3	0	4	98	18,358	3	0	4	108	18,424	3	0	4	108	12,851	2	0	2	73
			TFTM	17,575	3	0	4	103	18,697	3	0	4	110	18,764	3	0	4	110	13,088	2	0	2	75
			T5VS	18,252	5	0	1	107	19,417	5	0	1	114	19,487	5	0	1	114	13,592	3	0	1	78
			T5S	18,242	4	0	2	107	19,406	4	0	2	114	19,476	4	0	2	114	13,584	3	0	1	78
			T5M	18,155	5	0	3	107	19,314	5	0	3	113	19,383	5	0	3	114	13,520	3	0	2	77
			T5W	17,927	5	0	3	105	19,071	5	0	3	112	19,140	5	0	3	112	13,350	4	0	2	76
	700 mA	232 W	T1S	22,078	3	0	3	97	23,487	3	0	3	103	23,571	3	0	3	104	16,441	2	0	2	71
			T2S	21,671	3	0	3	95	23,055	3	0	3	101	23,137	3	0	3	102	16,138	2	0	2	70
			T2M	21,707	3	0	3	96	23,093	3	0	3	102	23,176	3	0	3	102	16,165	2	0	3	70
			T3S	21,660	3	0	3	95	23,043	3	0	3	101	23,126	3	0	3	102	16,130	2	0	2	70
			T3M	21,702	3	0	4	95	23,088	3	0	4	102	23,171	3	0	4	102	16,161	2	0	3	70
			T4M	21,004	3	0	4	92	23,039	3	0	4	101	23,122	3	0	4	102	16,127	2	0	3	70
			TFTM	22,056	3	0	4	97	23,464	3	0	4	103	23,549	3	0	4	104	16,425	2	0	2	71
			T5VS	22,906	5	0	1	101	24,368	5	0	1	107	24,456	5	0	1	108	17,058	3	0	1	74
			T5S	22,894	4	0	2	101	24,355	4	0	2	107	24,442	4	0	2	108	17,048	3	0	1	73
			T5M	22,784	5	0	3	100	24,239	5	0	3	107	24,326	5	0	3	107	16,967	4	0	2	73
			T5W	22,498	5	0	3	99	23,935	5	0	3	105	24,021	5	0	3	106	16,754	4	0	2	72
	1000 mA	360 W	T1S	28,465	3	0	3	80	31,708	3	0	3	89	32,074	3	0	3	89	22,196	3	0	3	62
			T2S	29,257	3	0	3	82	31,125	3	0	3	88	31,237	3	0	3	87	21,787	3	0	3	61
			T2M	29,306	3	0	3	82	31,177	3	0	3	87	31,289	3	0	3	88	21,824	3	0	3	61
			T3S	29,243	3	0	3	82	31,109	3	0	3	88	31,221	3	0	3	87	21,776	3	0	3	60
			T3M	29,299	3	0	4	82	31,170	3	0	4	87	31,282	3	0	4	88	21,819	3	0	3	61
			T4M	28,356	3	0	4	79	31,104	3	0	4	86	31,216	3	0	4	87	21,773	3	0	3	60
			TFTM	29,777	3	0	4	83	31,678	3	0	4	88	31,792	3	0	4	89	22,175	3	0	3	62
			T5VS	30,924	5	0	1	87	32,898	5	0	1	93	33,017	5	0	1	92	23,029	4	0	1	64
			T5S	30,908	4	0	2	87	32,880	4	0	2	91	32,999	4	0	2	92	23,016	4	0	1	64
			T5M	30,760	5	0	3	86	32,723	5	0	3	92	32,841	5	0	3	92	22,906	4	0	2	64
			T5W	30,374	5	0	3	85	32,313	5	0	3	91	32,429	5	0	3	91	22,619	4	0	2	63

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Performance Data

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
90C (90 LEDs)	530 mA	150 W	T1S	15,409	3	0	3	103	16,392	3	0	3	109	16,451	3	0	3	110	11,475	3	0	3	76
			T2S	15,373	3	0	3	102	16,354	3	0	3	109	16,413	3	0	3	109	11,448	3	0	3	76
			T2M	15,399	4	0	4	103	16,381	4	0	4	109	16,440	4	0	4	110	11,467	3	0	3	76
			T3S	15,365	4	0	4	102	16,346	4	0	4	109	16,405	4	0	4	109	11,442	3	0	3	76
			T3M	15,395	4	0	4	103	16,378	4	0	4	109	16,437	4	0	4	110	11,464	4	0	4	76
			T4M	15,363	4	0	4	102	16,343	4	0	4	109	16,402	4	0	4	109	11,440	4	0	4	76
			TFTM	15,646	4	0	4	104	16,645	4	0	4	111	16,705	4	0	4	111	11,651	4	0	4	78
			T5VS	16,502	4	0	1	110	17,555	4	0	1	117	17,618	4	0	1	117	12,289	3	0	1	82
			T5S	16,085	4	0	1	107	17,112	4	0	1	114	17,174	4	0	1	114	11,978	3	0	1	80
			T5M	16,519	4	0	2	110	17,573	4	0	2	117	17,636	4	0	2	118	12,301	4	0	2	82
			T5W	16,260	4	0	2	108	17,298	5	0	3	115	17,360	5	0	3	116	12,109	4	0	2	81
	700 mA	206 W	T1S	19,320	4	0	4	94	20,553	4	0	4	100	20,627	4	0	4	100	14,387	3	0	3	70
			T2S	19,275	4	0	4	94	20,506	4	0	4	100	20,579	4	0	4	100	14,354	3	0	3	70
			T2M	19,307	4	0	4	94	20,540	4	0	4	100	20,614	4	0	4	100	14,378	4	0	4	70
			T3S	19,265	4	0	4	94	20,495	4	0	4	99	20,569	4	0	4	100	14,347	4	0	4	70
			T3M	19,303	4	0	4	94	20,535	4	0	4	100	20,609	4	0	4	100	14,374	4	0	4	70
			T4M	19,262	4	0	4	94	20,492	5	0	5	99	20,566	5	0	5	100	14,344	4	0	4	70
			TFTM	19,618	4	0	4	95	20,870	4	0	4	101	20,945	4	0	4	102	14,609	4	0	4	71
			T5VS	20,691	4	0	1	100	22,011	4	0	1	107	22,090	4	0	1	107	15,408	4	0	1	75
			T5S	20,168	4	0	1	98	21,533	4	0	1	105	21,533	4	0	1	105	15,019	4	0	1	73
			T5M	20,712	4	0	2	101	22,034	5	0	3	107	22,113	5	0	3	107	15,424	4	0	2	75
			T5W	20,388	5	0	3	99	21,689	5	0	3	105	21,767	5	0	3	106	15,182	4	0	2	74
	1000 mA	320 W	T1S	25,901	4	0	4	81	27,554	4	0	4	86	27,653	4	0	4	86	19,288	4	0	4	60
			T2S	25,840	4	0	4	81	27,490	4	0	4	86	27,588	4	0	4	86	19,243	4	0	4	60
			T2M	25,883	4	0	4	81	27,536	5	0	5	86	27,635	5	0	5	86	19,275	4	0	4	60
			T3S	25,827	4	0	4	81	27,476	4	0	4	86	27,574	4	0	4	86	19,233	4	0	4	60
			T3M	25,877	5	0	5	81	27,529	5	0	5	86	27,628	5	0	5	86	19,270	4	0	4	60
			T4M	25,823	5	0	5	81	27,471	5	0	5	86	27,570	5	0	5	86	19,230	4	0	4	60
			TFTM	26,299	5	0	5	82	27,978	5	0	5	87	28,079	5	0	5	88	19,585	4	0	4	61
			T5VS	27,738	5	0	1	87	29,508	5	0	1	92	29,614	5	0	1	93	20,656	4	0	1	65
			T5S	27,038	5	0	2	84	28,764	5	0	2	90	28,867	5	0	2	90	20,135	4	0	1	63
			T5M	27,766	5	0	3	87	29,538	5	0	3	92	29,645	5	0	3	93	20,677	4	0	2	65
			T5W	27,332	5	0	4	85	29,076	5	0	4	91	29,181	5	0	4	91	20,354	5	0	3	64

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
10°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX2 LED 80C 1000			
	1.0	0.95	0.92	0.86
	DSX2 LED 100C 700			
	1.0	0.98	0.97	0.96
	DSX2 LED 100C 1000			
	1.0	0.94	0.90	0.84

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A) 120	208	240	277	347	480
80	530	137W	1.15	0.66	0.53	0.51	0.39	0.28
	700	188W	1.58	0.92	0.81	0.73	0.55	0.41
	1000	282W	2.37	1.35	1.18	1.04	0.83	0.61
100	530	175W	1.47	0.86	0.76	0.68	0.51	0.38
	700	232W	1.95	1.13	0.99	0.88	0.67	0.49
	1000	360W	3.03	1.72	1.49	1.3	1.05	0.77

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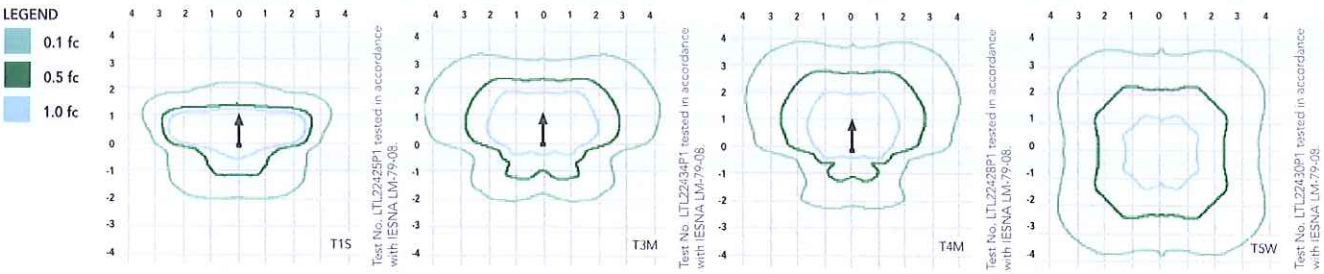
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 2 homepage.

Isofootcandle plots for the DSX2 LED 80C 1000 40K. Distances are in units of mounting height (30').



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (2.0 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. The D-Series Size 2 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of 80, 90 or 100 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 2 to withstand up to a 2.0 G vibration load rating per ANSI C136.31. The D-Series Size 2 utilizes the AERIS™ series pole drilling pattern (Template #8). NEMA photocontrol receptacle is available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D670,857 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	A,B,C -POLE

FEATURES & SPECIFICATIONS

INTENDED USE — Square straight aluminum general purpose pole for up to 35 foot mounting heights.

CONSTRUCTION — Shaft: Made from extruded 6063-T6 or 6061-T6 aluminum alloy, square tube is uniform in cross-section down length of shaft with no taper.

Hand hole: Reinforced rectangular hand hole is located 18" above base, 4" poles have 2" x 4" hand hole; 5" and 6" poles have 2.5" x 4" hand hole). Hand-hole cover plate made from aluminum alloy.

Hardware: Stainless steel

Top cap: Removable top cap provided with drill-mount poles.

Bolt covers: Nut cover discs provided. Optional cast aluminum base cover available.

FINISH — Must specify finish.

GROUNDING — Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

ANCHOR BOLTS — Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Upper portion of anchor bolt is galvanized per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Anchor Base Poles

SSA

SQUARE STRAIGHT ALUMINUM

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

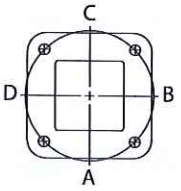
Example: SSA 20 4C DM19 BA

SSA					
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness**	**Mounting[1]**	**Options**	**Finish[10]**
SSA	8 – 35 feet (See back page.) 20	(See back page.) 4G	Tenon mounting PT Open top T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS)[2] T35 4" O.D. (3-1/2" NPS)[2] Drill mounting[3] DM19 1 at 90° DM28 2 at 180° DM28PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/AERIS™/OMERO™ Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° AERIS™ Suspend drill mounting[3,4] DMxxAST_ OMERO™ Suspend drill mounting[3,4] DMxxMRT_	Shipped installed L/AB Less anchor bolts FBC Full base cover VD Vibration damper TP Tamper proof H1-18Axx Horizontal arm bracket (1 fixture)[5,6] FDLxx Festoon outlet less electrical[5] CPL12xx 1/2" coupling[5] CPL34xx 3/4" coupling[5] CPL1xx 1" coupling[5] NPL12xx 1/2" threaded nipple[5] NPL34xx 3/4" threaded nipple[5] NPL1xx 1" threaded nipple[5] EHHxx Extra handhole[5,7] MAEX Match existiing [8] USPOM United States point of manufacture[9]	Standard colors DDB Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum BA Brushed aluminum Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Class 1 architectural anodized ABL Black ADB Dark bronze ANA Natural Architectural colors (powder finish)[10]

NOTES

1. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
2. 3-1/2" and 4" tenons available on 5" and 6" shafts only.
3. The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
5. Specify location and orientation when ordering option. For 1st "x": Specify the height in feet above base of pole. Example: 5ft = 5 and 20ft = 20 For 2nd "x": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram on this page.
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number
9. Use when mill certifications are required.
10. Finish must be specified. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3).

HANDHOLE ORIENTATION



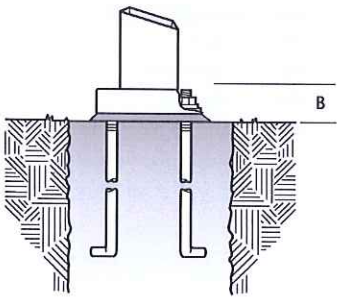
Handhole

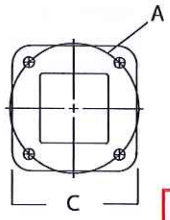
IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

SSA Square Straight Aluminum Poles

TECHNICAL INFORMATION										
				EPA (ft2) with 1.3 gust						
Catalog Number	Nominal mount ht. (ft)	Pole Shaft Size (in x ft)	Wall Thick (in)	80 mph	90 mph	100 mph	Max.	Bolt Circle (in)	Bolt Size (in. x in. x in.)	Approximate ship (lbs.)
SSA 8 4C	8	4.0 x 8.0	0.125	16.5	12.6	9.9	300	8.5-9.625	3/4 x 18 x 3	32
SSA 10 4C	10	4.0 x 10.0	0.125	11.5	8.6	6.5	230	8.5-9.625	3/4 x 18 x 3	37
SSA 12 4C	12	4.0 x 12.0	0.125	12.4	9.2	6.9	160	8.5-9.625	3/4 x 18 x 3	40
SSA 14 4C	14	4.0 x 14.0	0.125	9.3	6.7	4.8	120	8.5-9.625	3/4 x 18 x 3	50
SSA 15 4C	15	4.0 x 15.0	0.125	8	5.6	3.9	100	8.5-9.625	3/4 x 18 x 3	52
SSA 16 4C	16	4.0 x 16.0	0.125	6.9	4.7	3.1	90	8.5-9.625	3/4 x 18 x 3	54
SSA 16 4G	16	4.0 x 16.0	0.188	11.8	8.5	6.2	130	8.5-9.625	3/4 x 30 x 3	74
SSA 16 5G	16	5.0 x 16.0	0.188	15	11.1	7.5	280	10.5-11.5	3/4 x 30 x 3	83
SSA 18 4C	18	4.0 x 18.0	0.125	4.9	3	1.7	70	8.5-9.625	3/4 x 18 x 3	57
SSA 18 4G	18	4.0 x 18.0	0.188	9.2	6.4	4.4	100	8.5-9.625	3/4 x 30 x 3	80
SSA 18 5G	18	5.0 x 18.0	0.188	16.8	12.2	8.9	230	10.5-11.5	3/4 x 30 x 3	91
SSA 20 4C	20	4.0 x 20.0	0.125	3.3	1.7	0.5	40	8.5-9.625	3/4 x 18 x 3	62
SSA 20 4G	20	4.0 x 20.0	0.188	7	4.6	2.9	80	8.5-9.625	3/4 x 30 x 3	85
SSA 20 5G	20	5.0 x 20.0	0.188	13.6	9.5	6.6	180	10.5-11.5	3/4 x 30 x 3	107
SSA 20 6G	20	6.0 x 20.0	0.188	22	15.9	11.6	230	12-13	1 x 36 x 4	155
SSA 20 6J	20	6.0 x 20.0	0.25	30.4	22.6	17	300	12-13	1 x 36 x 4	202
SSA 25 5G	25	5.0 x 25.0	0.188	7.2	4.2	2	110	10.5-11.5	3/4 x 30 x 3	130
SSA 25 6G	25	6.0 x 25.0	0.188	13.2	8.6	5.4	180	12-13	1 x 36 x 4	180
SSA 25 6J	25	6.0 x 25.0	0.25	19.7	13.8	9.5	250	12-13	1 x 36 x 4	224
SSA 30 6G	30	6.0 x 30.0	0.188	7	3.4	0.8	130	12-13	1 x 36 x 4	210
SSA 30 6J	30	6.0 x 30.0	0.25	12.2	7.5	4.1	170	12-13	1 x 36 x 4	258
SSA 32 6J	32	6.0 x 32.0	0.25	9.7	5.4	2.3	160	12-13	1 x 36 x 4	272
SSA 35 6J	35	6.0 x 35.0	0.25	6.4	2.6	--	200	12-13	1 x 36 x 4	294
SSA 35 7J	35	6.75 x 35.0	0.25	7.6	3.1	--	150	14.625	1 x 36 x 4	290





POLE DATA					
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description
4"C	8.5" – 9.625"	3.125"	9.938"	ABTEMPLATE PJ50045	AB18-0
4"G	8.5" – 9.625"	3.125"	9.938"	ABTEMPLATE PJ50045	AB30-0
5"	10.5" – 11.5"	3.25"	11.563"	ABTEMPLATE PJ50046	AB30-0
6"	12"–13"	4"	12.25"	ABTEMPLATE PJ50044	AB36-0
7"	14.625"	4.125"	15"	ABTEMPLATE PJ50130	AB36-0

IMPORTANT:

- These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 770-922-9000 Fax: 770-981-1209 www.lithonia.com

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D-Series Size 0
LED Area Luminaire

Catalog Number

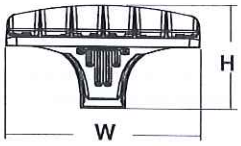
Notes

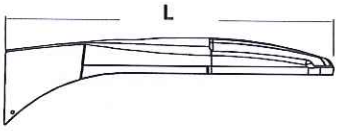
Type B

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	0.8 ft² (.07 m²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)





Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED 40C 1000 40K T3M MVOLT SPA DDBXD

DSX0 LED

Series	LEDs	Drive current	Color temperature	Distribution		Voltage	Mounting
DSX0 LED	**Forward optics** 20C 20 LEDs (one engine) 40C 40 LEDs (two engines) **Rotated optics**[1] 30C 30 LEDs (one engine)	530 530 mA 700 700 mA 1000 1000 mA (1 A)[2]	30K 3000 K 80 CRI min.) 40K 4000 K (70 CRI min.) 50K 5000 K (70 CRI) AMBPC Amber phosphor converted[3]	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide		MVOLT[4] 120[4] 208[4] 240[4] 277[4] 347[5] 480[5]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[6] RPUMBA Round pole universal mounting adaptor[6] **Shipped separately**[7] KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)

Control options				Other options		Finish *(required)*	
Shipped installed				**Shipped installed**		DDBXD	Dark bronze
PER	NEMA twist-lock receptacle only (no controls)[8]	BL30	Bi-level switched dimming, 30%[13,14]	HS	House-side shield[16]	DBLXD	Black
PER5	Five-wire receptacle only (no controls)[8,9]	BL50	Bi-level switched dimming, 50%[13,14]	SF	Single fuse (120, 277, 347V)[17]	DNAXD	Natural aluminum
PER7	Seven-wire receptacle only (no controls)[8,9]	PNMTDD3	Part night, dim till dawn[15]	DF	Double fuse (208, 240, 480V)[17]	DWHXD	White
DMG	0-10V dimming driver (no controls)[10]	PNMT5D3	Part night, dim 5 hrs[15]	L90	Left rotated optics[1]	DDBTXD	Textured dark bronze
DCR	Dimmable and controllable via ROAM® (no controls)[11]	PNMT6D3	Part night, dim 6 hrs[15]	R90	Right rotated optics[1]	DBLBXD	Textured black
PIR	Motion sensor, 8-15' mounting height[12]	PNMT7D3	Part night, dim 7 hrs[15]	DDL	Diffused drop lens[16]	DNATXD	Textured natural aluminum
PIRH	Motion sensor, 15-30' mounting height[12]					DWHGXD	Textured white

Accessories

Ordered and shipped separately.

Controls & Shields

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V)[18]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V)[18]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V)[18]
SC U	Shorting cap[18]
DSX0HS 20C U	House-side shield for 20 LED unit[16]
DSX0HS 30C U	House-side shield for 30 LED unit[16]
DSX0HS 40C U	House-side shield for 40 LED unit[16]
DSX0DDL U	Diffused drop lens (polycarbonate)[16]
PUMBA DDBXD U[6]	Square and round pole universal mounting bracket adaptor (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish)[7]

For more control options, visit DTL and ROAM online.

NOTES

1. 30 LEDs (30C option) and rotated options (L90 or R90) only available together.
2. 1000mA not available with AMBPC.
3. AMBPC only available with 530mA or 700mA.
4. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
5. Not available with single board, 530mA product (20C 530 or 30C 530). Not available with BL30, BL50 or PNMT options.
6. Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
7. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
8. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories.
9. If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
10. DMG option for 347V or 480V requires 1000mA.
11. Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR, PIRH, PER5, PER7, BL30, BL50 or PNMT options.
12. PIR specifies the SensorSwitch SBGR-10-ODP control; PIRH specifies the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7.
13. Requires an additional switched circuit.
14. Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7 or PNMT options.
15. Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7, BL30 or BL50.
16. Also available as a separate accessory; see Accessories information.
17. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
18. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.

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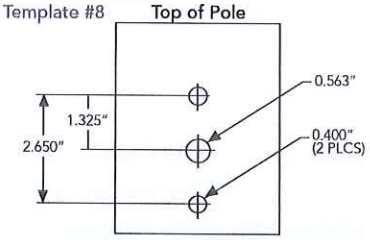
Drilling

Template #8 Top of Pole



DSX0 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	**DM29AS**	2 at 90° *
DM28AS	2 at 180°	**DM39AS**	3 at 90° *
DM49AS	4 at 90° *	**DM32AS**	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**For round pole mounting (RPA) only.

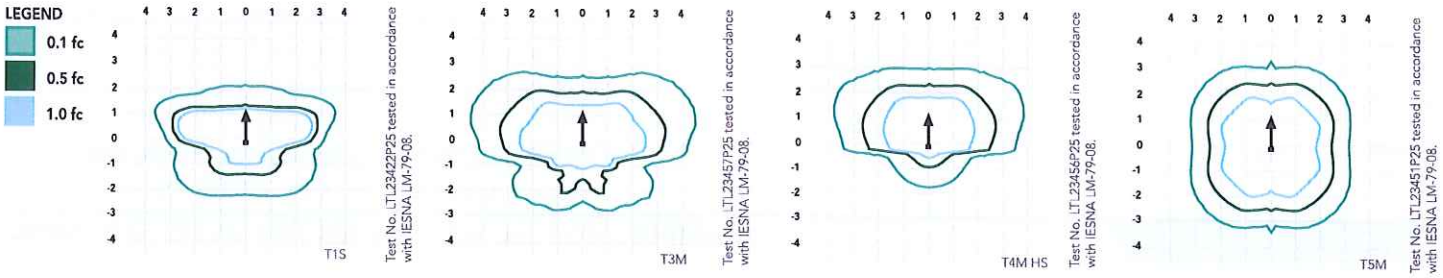
Tenon Mounting Slipfitter**

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area homepage.

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A) 120	208	240	277	347	480
20C	530	35	0.34	0.22	0.21	0.20	--	--
	700	45	0.47	0.28	0.24	0.22	0.18	0.14
	1000	72	0.76	0.45	0.39	0.36	0.36	0.26
30C	530	52	0.51	0.31	0.28	0.25	--	--
	700	70	0.72	0.43	0.37	0.34	0.25	0.19
	1000	104	1.11	0.64	0.56	0.49	0.47	0.34
40C	530	68	0.71	0.41	0.36	0.33	0.25	0.19
	700	91	0.94	0.55	0.48	0.42	0.33	0.24
	1000	138	1.45	0.84	0.73	0.64	0.69	0.50

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX0 LED 20C 1000			
	1	0.97	0.94	0.90
	DSX0 LED 40C 1000			
	1	0.94	0.90	0.84
	DSX0 LED 40C 700			
	1	0.99	0.98	0.96

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	530 mA	35 W	T1S	3,174	1	0	1	91	3,971	1	0	1	113	4,001	1	0	1	114	2,541	1	0	1	73
			T2S	3,234	1	0	1	92	4,045	1	0	1	116	4,075	1	0	1	116	2,589	1	0	1	74
			T2M	3,171	1	0	1	91	3,967	1	0	1	113	3,997	1	0	1	114	2,539	1	0	1	73
			T3S	3,195	1	0	1	91	3,997	1	0	1	114	4,027	1	0	1	115	2,558	1	0	1	73
			T3M	3,226	1	0	1	92	4,036	1	0	1	115	4,066	1	0	1	116	2,583	1	0	1	74
			T4M	3,210	1	0	1	92	4,015	1	0	1	115	4,045	1	0	1	116	2,570	1	0	1	73
			TFTM	3,173	1	0	1	91	3,969	1	0	2	113	3,999	1	0	2	114	2,540	1	0	1	73
			T5VS	3,310	2	0	0	95	4,140	2	0	0	118	4,172	2	0	0	119	2,650	1	0	0	76
			T5S	3,360	2	0	2	96	4,203	2	0	0	120	4,235	2	0	0	121	2,690	1	0	0	77
			T5M	3,320	2	0	1	95	4,153	3	0	1	119	4,184	3	0	1	120	2,658	2	0	0	76
			T5W	3,327	3	0	1	95	4,161	3	0	1	119	4,193	3	0	1	120	2,663	2	0	1	76
	700 mA	45 W	T1S	3,927	1	0	1	87	4,913	1	0	1	109	4,950	1	0	1	110	3,144	1	0	1	70
			T2S	4,000	1	0	1	89	5,004	1	0	1	111	5,042	1	0	1	112	3,203	1	0	1	71
			T2M	3,924	1	0	1	87	4,908	1	0	1	109	4,945	1	0	1	110	3,141	1	0	1	70
			T3S	3,953	1	0	1	88	4,945	1	0	1	110	4,982	1	0	1	111	3,165	1	0	1	70
			T3M	3,991	1	0	1	89	4,994	1	0	2	111	5,031	1	0	2	112	3,196	1	0	1	71
			T4M	3,971	1	0	1	88	4,967	1	0	2	110	5,005	1	0	2	111	3,179	1	0	1	71
			TFTM	3,925	1	0	2	87	4,910	1	0	2	109	4,947	1	0	2	110	3,143	1	0	1	70
			T5VS	4,095	2	0	0	91	5,122	2	0	0	114	5,161	2	0	0	115	3,278	2	0	0	73
			T5S	4,157	2	0	0	92	5,200	2	0	0	116	5,239	2	0	0	116	3,328	2	0	0	74
			T5M	4,107	3	0	1	91	5,138	3	0	1	114	5,177	3	0	1	115	3,288	2	0	1	73
			T5W	4,116	3	0	1	91	5,148	3	0	1	114	5,187	3	0	1	115	3,295	2	0	1	73
	1000 mA	72 W	T1S	5,387	1	0	1	75	6,739	2	0	2	94	6,790	2	0	2	94					
			T2S	5,488	1	0	1	76	6,865	2	0	2	95	6,917	2	0	2	96					
			T2M	5,382	1	0	2	75	6,733	2	0	2	94	6,784	2	0	2	94					
			T3S	5,423	1	0	1	75	6,784	2	0	2	94	6,835	2	0	2	95					
			T3M	5,475	1	0	2	76	6,850	2	0	2	95	6,901	2	0	2	96					
			T4M	5,447	1	0	2	76	6,814	2	0	2	95	6,866	2	0	2	95					
			TFTM	5,385	1	0	2	75	6,736	1	0	2	94	6,787	1	0	2	94					
			T5VS	5,617	2	0	0	78	7,027	3	0	0	98	7,080	3	0	0	98					
			T5S	5,702	2	0	0	79	7,133	2	0	0	99	7,187	2	0	0	100					
			T5M	5,634	3	0	1	78	7,048	3	0	1	98	7,101	3	0	1	99					
			T5W	5,646	3	0	1	78	7,063	3	0	2	98	7,116	3	0	2	99					
40C (40 LEDs)	530 mA	68 W	T1S	6,093	2	0	2	90	7,622	2	0	2	112	7,679	2	0	2	113	4,878	1	0	1	72
			T2S	6,207	2	0	2	91	7,764	2	0	2	114	7,823	2	0	2	115	4,969	1	0	1	73
			T2M	6,087	2	0	2	90	7,615	2	0	2	112	7,672	2	0	2	113	4,874	1	0	1	72
			T3S	6,133	1	0	2	90	7,672	2	0	2	113	7,730	2	0	2	114	4,910	1	0	1	72
			T3M	6,193	2	0	2	91	7,747	2	0	2	114	7,805	2	0	2	115	4,958	1	0	2	73
			T4M	6,161	1	0	2	91	7,707	2	0	2	113	7,765	2	0	2	114	4,932	1	0	2	73
			TFTM	6,090	1	0	2	90	7,618	2	0	2	112	7,676	2	0	2	113	4,876	1	0	2	72
			T5VS	6,353	2	0	0	93	7,947	3	0	0	117	8,007	3	0	0	118	5,086	2	0	0	75
			T5S	6,449	2	0	0	95	8,068	3	0	1	119	8,128	3	0	1	120	5,163	2	0	0	76
			T5M	6,372	3	0	1	94	7,971	3	0	2	117	8,031	3	0	2	118	5,102	3	0	1	75
			T5W	6,385	3	0	2	94	7,988	3	0	2	117	8,048	3	0	2	118	5,112	3	0	1	75
	700 mA	91 W	T1S	7,752	2	0	2	85	9,697	2	0	2	107	9,770	2	0	2	107	6,206	2	0	2	68
			T2S	7,897	2	0	2	87	9,878	2	0	2	109	9,953	2	0	2	109	6,322	2	0	2	69
			T2M	7,745	2	0	2	85	9,688	2	0	2	106	9,761	2	0	2	107	6,201	2	0	2	68
			T3S	7,803	2	0	2	86	9,761	2	0	2	107	9,834	2	0	2	108	6,247	1	0	2	69
			T3M	7,879	2	0	2	87	9,856	2	0	2	108	9,930	2	0	2	109	6,308	2	0	2	69
			T4M	7,838	2	0	2	86	9,805	2	0	2	108	9,879	2	0	2	109	6,275	1	0	2	69
			TFTM	7,748	2	0	2	85	9,693	2	0	3	107	9,765	2	0	3	107	6,203	1	0	2	68
			T5VS	8,083	3	0	0	89	10,111	3	0	1	111	10,187	3	0	1	112	6,569	2	0	0	72
			T5S	8,205	3	0	1	90	10,264	3	0	1	113	10,341	3	0	1	114	6,569	2	0	0	72
			T5M	8,107	3	0	2	89	10,142	3	0	2	111	10,218	3	0	2	112	6,491	3	0	1	71
			T5W	8,124	3	0	2	89	10,163	4	0	2	112	10,239	4	0	2	113	6,504	3	0	2	71
	1000 mA	138 W	T1S	10,435	2	0	2	76	13,054	3	0	3	95	13,152	3	0	3	95					
			T2S	10,630	2	0	2	77	13,297	3	0	3	96	13,398	3	0	3	97					
			T2M	10,426	2	0	2	76	13,042	3	0	3	95	13,140	3	0	3	95					
			T3S	10,503	2	0	2	76	13,139	2	0	2	95	13,238	2	0	2	96					
			T3M	10,606	2	0	2	77	13,267	3	0	3	96	13,367	3	0	3	97					
			T4M	10,551	2	0	2	76	13,199	3	0	3	96	13,298	3	0	3	96					
			TFTM	10,430	2	0	3	76	13,047	2	0	3	95	13,146	2	0	3	95					
			T5VS	10,881	3	0	1	79	13,611	3	0	1	99	13,714	4	0	1	99					
			T5S	11,045	3	0	1	80	13,817	3	0	1	100	13,921	3	0	1	101					
			T5M	10,914	4	0	2	79	13,652	4	0	2	99	13,755	4	0	2	100					
			T5W	10,936	4	0	2	79	13,680	4	0	2	99	13,783	4	0	2	100					

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Performance Data

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	4,797	2	0	2	92	6,001	2	0	2	115	6,046	2	0	2	116	3,841	2	0	2	74
			T2S	4,887	2	0	2	94	6,113	2	0	2	118	6,159	3	0	3	118	3,912	2	0	2	75
			T2M	4,793	2	0	2	92	5,996	3	0	3	115	6,041	3	0	3	116	3,837	2	0	2	74
			T3S	4,829	2	0	2	93	6,041	3	0	3	116	6,086	3	0	3	117	3,866	2	0	2	74
			T3M	4,876	3	0	3	94	6,099	3	0	3	117	6,145	3	0	3	118	3,904	2	0	2	75
			T4M	4,851	3	0	3	93	6,068	3	0	3	117	6,114	3	0	3	118	3,884	2	0	2	75
			TFTM	4,795	3	0	3	92	5,998	3	0	3	115	6,043	3	0	3	116	3,839	2	0	2	74
			T5VS	5,002	2	0	0	96	6,258	2	0	0	120	6,305	2	0	0	121	4,005	2	0	0	77
			T5S	5,078	2	0	0	98	6,352	2	0	0	122	6,400	2	0	0	123	4,065	2	0	0	78
			T5M	5,017	3	0	1	96	6,276	3	0	1	121	6,324	3	0	1	122	4,017	2	0	1	77
			T5W	5,028	3	0	1	97	6,289	3	0	2	121	6,337	3	0	2	122	4,025	3	0	1	77
	700 mA	70 W	T1S	5,975	2	0	2	85	7,474	3	0	3	107	7,530	3	0	3	108	4,783	2	0	2	68
			T2S	6,086	2	0	2	87	7,614	3	0	3	109	7,671	3	0	3	110	4,873	2	0	2	70
			T2M	5,969	3	0	3	85	7,467	3	0	3	107	7,524	3	0	3	107	4,779	2	0	2	68
			T3S	6,014	3	0	3	86	7,523	3	0	3	107	7,580	3	0	3	108	4,815	2	0	2	69
			T3M	6,072	3	0	3	87	7,596	3	0	3	109	7,654	3	0	3	109	4,862	3	0	3	69
			T4M	6,041	3	0	3	86	7,557	3	0	3	108	7,614	3	0	3	109	4,837	3	0	3	69
			TFTM	5,972	3	0	3	85	7,471	3	0	3	107	7,527	3	0	3	108	4,781	3	0	3	68
			T5VS	6,230	2	0	0	89	7,793	3	0	0	111	7,852	3	0	0	112	4,988	2	0	0	71
			T5S	6,324	2	0	0	90	7,911	3	0	1	113	7,971	3	0	1	114	5,063	2	0	0	72
			T5M	6,249	3	0	1	89	7,817	3	0	2	112	7,876	3	0	2	113	5,003	3	0	1	71
			T5W	6,262	3	0	2	89	7,833	3	0	2	112	7,892	3	0	2	113	5,013	3	0	1	72
	1000 mA	104 W	T1S	7,956	3	0	3	76	9,952	3	0	3	96	10,027	3	0	3	96					
			T2S	8,104	3	0	3	78	10,138	3	0	3	97	10,214	3	0	3	98					
			T2M	7,949	3	0	3	76	9,943	3	0	3	96	10,018	3	0	3	96					
			T3S	8,008	3	0	3	77	10,018	3	0	3	96	10,093	3	0	3	97					
			T3M	8,086	3	0	3	78	10,115	4	0	4	97	10,191	4	0	4	98					
			T4M	8,044	3	0	3	77	10,063	3	0	3	97	10,139	3	0	3	97					
			TFTM	7,952	3	0	3	76	9,948	3	0	3	96	10,022	4	0	4	96					
			T5VS	8,296	3	0	0	80	10,377	3	0	1	100	10,455	3	0	1	101					
			T5S	8,421	3	0	1	81	10,534	3	0	1	101	10,613	3	0	1	102					
			T5M	8,321	3	0	2	80	10,409	4	0	2	100	10,487	4	0	2	101					
			T5W	8,338	4	0	2	80	10,430	4	0	2	100	10,509	4	0	2	101					

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.8 ft²) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (80 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY
Five-year limited warranty. Full warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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d"series

D-Series Size 2
LED Area Luminaire

Catalog Number

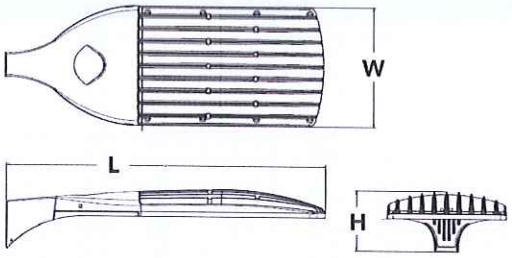
Notes

Type C

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	2.0 ft² (0.19 m²)
Length:	40" (101.6 cm)
Width:	15" (38.1 cm)
Height:	7-1/4" (18.4 cm)
Weight (max):	36 lbs (16.3 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 80% and expected service life of over 100,000 hours.

Ordering Information

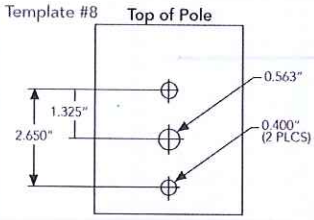
EXAMPLE: DSX2 LED 80C 1000 40K T4M MVOLT SPA DDBXD

DSX2 LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSX2 LED	**Forward optics** 80C 80 LEDs (four engine) 100C 100 LEDs (four engines) **Rotated optics** [1] 90C 90 LEDs	530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T1S Type I Short T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium T5VS Type V Very Short T5S Type V Short T5M Type V Medium T5W Type V Wide	MVOLT [2] 120 [2] 208 [2] 240 [2] 277 [2] 347 480	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor [3] RPUMBA Round pole universal mounting adaptor [3] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) [4]

Control options				Other options		Finish *(required)*	
Shipped installed				**Shipped installed**			
PER	NEMA twist-lock receptacle only (no controls) [5]	BL30	Bi-level switched dimming, 30% [10,12]	HS	House-side shield [13]	DDBXD	Dark bronze
PER5	Five-wire receptacle only (no controls) [5,6]	BL50	Bi-level switched dimming, 50% [10,12]	SF	Single fuse (120, 277, 347V) [2]	DBLXD	Black
PER7	Seven-wire receptacle only (no controls) [5,6]	PNMTDD3	Part night, dim till dawn [12]	DF	Double fuse (208, 240, 480V) [2]	DNAXD	Natural aluminum
DMG	0-10V dimming driver (no controls) [7]	PNMT5D3	Part night, dim 5 hrs [12]	L90	Left rotated optics	DWHXD	White
DCR	Dimmable and controllable via ROAM® (no controls) [8]	PNMT6D3	Part night, dim 6 hrs [12]	R90	Right rotated optics	DDBTXD	Textured dark bronze
DS	Dual switching [9,10]	PNMT7D3	Part night, dim 7 hrs [12]			DBLBXD	Textured black
PIRH	Motion sensor, 15-30' mounting height [11]					DNATXD	Textured natural aluminum
						DWHGXD	Textured white

Drilling



DSX2 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.
**Round pole top must be 3.25" O.D. minimum.*
***For round pole mounting (RPA) only.*

Accessories

Ordered and shipped separately.

Controls & Shields

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [14]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [14]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [14]
SC U	Shorting cap [14]
DSX2HS 80C U	House-side shield for 80 LED unit
DSX2HS 90C U	House-side shield for 90 LED unit
DSX2HS 100C U	House-side shield for 100 LED unit
PUMBA DDBXD U [4]	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [4]

For more control options, visit DTL and ROAM online.

Tenon Mounting Slipfitter **

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

NOTES
1 Rotated optics option(L90, R90) required for 90C.
2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
3 Available as a separate combination accessory: PUMBA (finish) U. Round pole must have 4" O.D. minimum; 1.5 G vibration load rating per ANCI C136.31.
4 Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" O.D. mast arm (not included).
5 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
6 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
7 347 or 480 voltage option with DMG requires 1000 mA.
8 Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. Not available with PIRH, DS, BL30, BL50, PER5, PER7, or part night options (PNMTxxx).
9 Provides 50/50 luminaire operation via two independent drivers on two separate circuits. Not available with 80C 530, 90C 530, PER, PER5, PER7, DCR, BL30, BL50, or part night options (PNMTxxx).
10 Requires an additional switched line.
11 Specifies the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with BL30, BL50 or DCR.
12 Dimming driver standard. Not available with 347V, 480V, DCR, DS, or PIRH.
13 Also available as a separate accessory; see Accessories information.
14 Requires luminaire to be specified with PER, PER5 or PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

LITHONIA LIGHTING
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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
80C (80 LEDs)	530 mA	137 W	T1S	14,438	3	0	3	108	15,360	3	0	3	115	15,415	3	0	3	115	10,752	2	0	2	78
			T2S	14,172	3	0	3	106	15,077	3	0	3	113	15,131	3	0	3	113	10,554	2	0	2	77
			T2M	14,196	3	0	3	106	15,102	3	0	3	113	15,156	3	0	3	114	10,571	2	0	2	77
			T3S	14,165	3	0	3	106	15,069	3	0	3	113	15,123	3	0	3	113	10,548	2	0	2	77
			T3M	14,193	3	0	4	106	15,099	3	0	4	113	15,153	3	0	4	114	10,569	2	0	2	77
			T4M	13,736	3	0	4	103	15,067	3	0	4	113	15,121	3	0	4	113	10,547	2	0	2	77
			TFTM	14,424	3	0	4	108	15,345	3	0	4	115	15,400	3	0	4	115	10,741	1	0	2	78
			T5VS	14,980	5	0	1	112	15,936	5	0	1	119	15,993	5	0	1	120	11,155	3	0	0	81
			T5S	14,972	4	0	2	112	15,927	4	0	2	119	15,985	4	0	2	120	11,149	3	0	0	81
			T5M	14,900	5	0	3	112	15,851	5	0	3	119	15,908	5	0	3	119	11,096	3	0	2	81
			T5W	14,713	5	0	3	110	15,652	5	0	3	117	15,709	5	0	3	118	10,957	3	0	2	80
	700 mA	188 W	T1S	17,944	3	0	3	98	19,089	3	0	3	104	19,158	3	0	3	105	13,362	2	0	2	71
			T2S	17,613	3	0	3	96	18,738	3	0	3	102	18,805	3	0	3	103	13,116	2	0	2	70
			T2M	17,643	3	0	3	96	18,769	3	0	3	103	18,836	3	0	3	103	13,138	2	0	2	70
			T3S	17,604	3	0	3	96	18,728	3	0	3	102	18,795	3	0	3	103	13,110	2	0	2	70
			T3M	17,639	3	0	4	96	18,764	3	0	4	103	18,832	3	0	4	103	13,135	2	0	3	70
			T4M	17,071	3	0	4	93	18,725	3	0	4	102	18,792	3	0	4	103	13,108	2	0	2	70
			TFTM	17,926	3	0	4	98	19,071	3	0	4	104	19,139	3	0	4	105	13,349	2	0	2	71
			T5VS	18,617	5	0	1	102	19,805	5	0	1	108	19,876	5	0	1	109	13,864	3	0	1	74
			T5S	18,607	4	0	2	102	19,794	4	0	2	108	19,866	4	0	2	109	13,856	3	0	1	74
			T5M	18,518	5	0	3	101	19,700	5	0	3	108	19,771	5	0	3	108	13,790	3	0	2	73
			T5W	18,286	5	0	3	100	19,453	5	0	3	106	19,523	5	0	3	107	13,617	4	0	2	72
	1000 mA	282 W	T1S	24,339	3	0	3	85	25,892	3	0	3	91	25,985	3	0	3	91	18,125	2	0	2	64
			T2S	23,891	3	0	3	84	25,416	3	0	3	89	25,507	3	0	3	90	17,791	3	0	3	63
			T2M	23,931	3	0	3	84	25,458	3	0	4	89	25,550	3	0	4	90	17,821	3	0	3	63
			T3S	23,879	3	0	3	84	25,403	3	0	3	89	25,494	3	0	3	90	17,782	2	0	2	63
			T3M	23,925	3	0	4	84	25,452	3	0	4	89	25,544	3	0	4	90	17,817	3	0	3	63
			T4M	23,155	3	0	4	81	25,399	3	0	4	89	25,490	3	0	4	90	17,779	2	0	3	63
			TFTM	24,315	3	0	4	85	25,867	3	0	4	91	25,960	3	0	4	91	18,107	2	0	3	64
			T5VS	25,252	5	0	1	89	26,864	5	0	1	94	26,960	5	0	1	95	18,805	3	0	1	67
			T5S	25,238	5	0	2	89	26,849	5	0	2	94	26,946	5	0	2	95	18,794	3	0	1	67
			T5M	25,118	5	0	3	88	26,721	5	0	3	94	26,817	5	0	3	94	18,705	4	0	2	66
			T5W	24,803	5	0	4	87	26,386	5	0	4	93	26,481	5	0	4	93	18,470	4	0	2	65
100C (100 LEDs)	530 mA	175 W	T1S	17,592	3	0	3	103	18,715	3	0	3	110	18,782	3	0	3	110	13,100	2	0	2	75
			T2S	17,268	3	0	3	101	18,370	3	0	3	108	18,436	3	0	3	108	12,859	2	0	2	73
			T2M	17,297	3	0	3	102	18,401	3	0	3	108	18,467	3	0	3	108	12,881	2	0	2	74
			T3S	17,259	3	0	3	101	18,361	3	0	3	108	18,427	3	0	3	108	12,853	2	0	2	73
			T3M	17,293	3	0	4	101	18,397	3	0	4	108	18,463	3	0	4	108	12,878	2	0	3	74
			T4M	16,736	3	0	4	98	18,358	3	0	4	108	18,424	3	0	4	108	12,851	2	0	2	73
			TFTM	17,575	3	0	4	103	18,697	3	0	4	110	18,764	3	0	4	110	13,088	2	0	2	75
			T5VS	18,252	5	0	1	107	19,417	5	0	1	114	19,487	5	0	1	114	13,592	3	0	1	78
			T5S	18,242	4	0	2	107	19,406	4	0	2	114	19,476	4	0	2	114	13,584	3	0	1	78
			T5M	18,155	5	0	3	107	19,314	5	0	3	113	19,383	5	0	3	114	13,520	3	0	2	77
			T5W	17,927	5	0	3	105	19,071	5	0	3	112	19,140	5	0	3	112	13,350	4	0	2	76
	700 mA	232 W	T1S	22,078	3	0	3	97	23,487	3	0	3	103	23,571	3	0	3	104	16,441	2	0	2	71
			T2S	21,671	3	0	3	95	23,055	3	0	3	101	23,137	3	0	3	102	16,138	2	0	2	70
			T2M	21,707	3	0	3	96	23,093	3	0	3	102	23,176	3	0	3	102	16,165	2	0	3	70
			T3S	21,660	3	0	3	95	23,043	3	0	3	101	23,126	3	0	3	102	16,130	2	0	2	70
			T3M	21,702	3	0	4	95	23,088	3	0	4	102	23,171	3	0	4	102	16,161	2	0	3	70
			T4M	21,004	3	0	4	92	23,039	3	0	4	101	23,122	3	0	4	102	16,127	2	0	3	70
			TFTM	22,056	3	0	4	97	23,464	3	0	4	103	23,549	3	0	4	104	16,425	2	0	2	71
			T5VS	22,906	5	0	1	101	24,368	5	0	1	107	24,456	5	0	1	108	17,058	3	0	1	74
			T5S	22,894	4	0	2	101	24,355	4	0	2	107	24,442	4	0	2	108	17,048	3	0	1	73
			T5M	22,784	5	0	3	100	24,239	5	0	3	107	24,326	5	0	3	107	16,967	4	0	2	73
			T5W	22,498	5	0	3	99	23,935	5	0	3	105	24,021	5	0	3	106	16,754	4	0	2	72
	1000 mA	360 W	T1S	28,465	3	0	3	80	31,708	3	0	3	89	32,074	3	0	3	89	22,196	3	0	3	62
			T2S	29,257	3	0	3	82	31,125	3	0	3	88	31,237	3	0	3	87	21,787	3	0	3	61
			T2M	29,306	3	0	3	82	31,177	3	0	3	87	31,289	3	0	3	88	21,824	3	0	3	61
			T3S	29,243	3	0	3	82	31,109	3	0	3	88	31,221	3	0	3	87	21,776	3	0	3	60
			T3M	29,299	3	0	4	82	31,170	3	0	4	87	31,282	3	0	4	88	21,819	3	0	3	61
			T4M	28,356	3	0	4	79	31,104	3	0	4	86	31,216	3	0	4	87	21,773	3	0	3	60
			TFTM	29,777	3	0	4	83	31,678	3	0	4	88	31,792	3	0	4	89	22,175	3	0	3	62
			T5VS	30,924	5	0	1	87	32,898	5	0	1	93	33,017	5	0	1	92	23,029	4	0	1	64
			T5S	30,908	4	0	2	87	32,880	4	0	2	91	32,999	4	0	2	92	23,016	4	0	1	64
			T5M	30,760	5	0	3	86	32,723	5	0	3	92	32,841	5	0	3	92	22,906	4	0	2	64
			T5W	30,374	5	0	3	85	32,313	5	0	3	91	32,429	5	0	3	91	22,619	4	0	2	63

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Performance Data

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
90C (90 LEDs)	530 mA	150 W	T1S	15,409	3	0	3	103	16,392	3	0	3	109	16,451	3	0	3	110	11,475	3	0	3	76
			T2S	15,373	3	0	3	102	16,354	3	0	3	109	16,413	3	0	3	109	11,448	3	0	3	76
			T2M	15,399	4	0	4	103	16,381	4	0	4	109	16,440	4	0	4	110	11,467	3	0	3	76
			T3S	15,365	4	0	4	102	16,346	4	0	4	109	16,405	4	0	4	109	11,442	3	0	3	76
			T3M	15,395	4	0	4	103	16,378	4	0	4	109	16,437	4	0	4	110	11,464	4	0	4	76
			T4M	15,363	4	0	4	102	16,343	4	0	4	109	16,402	4	0	4	109	11,440	4	0	4	76
			TFTM	15,646	4	0	4	104	16,645	4	0	4	111	16,705	4	0	4	111	11,651	4	0	4	78
			T5VS	16,502	4	0	1	110	17,555	4	0	1	117	17,618	4	0	1	117	12,289	3	0	1	82
			T5S	16,085	4	0	1	107	17,112	4	0	1	114	17,174	4	0	1	114	11,978	3	0	1	80
			T5M	16,519	4	0	2	110	17,573	4	0	2	117	17,636	4	0	2	118	12,301	4	0	2	82
			T5W	16,260	4	0	2	108	17,298	5	0	3	115	17,360	5	0	3	116	12,109	4	0	2	81
	700 mA	206 W	T1S	19,320	4	0	4	94	20,553	4	0	4	100	20,627	4	0	4	100	14,387	3	0	3	70
			T2S	19,275	4	0	4	94	20,506	4	0	4	100	20,579	4	0	4	100	14,354	3	0	3	70
			T2M	19,307	4	0	4	94	20,540	4	0	4	100	20,614	4	0	4	100	14,378	4	0	4	70
			T3S	19,265	4	0	4	94	20,495	4	0	4	99	20,569	4	0	4	100	14,347	4	0	4	70
			T3M	19,303	4	0	4	94	20,535	4	0	4	100	20,609	4	0	4	100	14,374	4	0	4	70
			T4M	19,262	4	0	4	94	20,492	5	0	5	99	20,566	5	0	5	100	14,344	4	0	4	70
			TFTM	19,618	4	0	4	95	20,870	4	0	4	101	20,945	4	0	4	102	14,609	4	0	4	71
			T5VS	20,691	4	0	1	100	22,011	4	0	1	107	22,090	4	0	1	107	15,408	4	0	1	75
			T5S	20,168	4	0	1	98	21,533	4	0	1	105	21,533	4	0	1	105	15,019	4	0	1	73
			T5M	20,712	4	0	2	101	22,034	5	0	3	107	22,113	5	0	3	107	15,424	4	0	2	75
			T5W	20,388	5	0	3	99	21,689	5	0	3	105	21,767	5	0	3	106	15,182	4	0	2	74
	1000 mA	320 W	T1S	25,901	4	0	4	81	27,554	4	0	4	86	27,653	4	0	4	86	19,288	4	0	4	60
			T2S	25,840	4	0	4	81	27,490	4	0	4	86	27,588	4	0	4	86	19,243	4	0	4	60
			T2M	25,883	4	0	4	81	27,536	5	0	5	86	27,635	5	0	5	86	19,275	4	0	4	60
			T3S	25,827	4	0	4	81	27,476	4	0	4	86	27,574	4	0	4	86	19,233	4	0	4	60
			T3M	25,877	5	0	5	81	27,529	5	0	5	86	27,628	5	0	5	86	19,270	4	0	4	60
			T4M	25,823	5	0	5	81	27,471	5	0	5	86	27,570	5	0	5	86	19,230	4	0	4	60
			TFTM	26,299	5	0	5	82	27,978	5	0	5	87	28,079	5	0	5	88	19,585	4	0	4	61
			T5VS	27,738	5	0	1	87	29,508	5	0	1	92	29,614	5	0	1	93	20,656	4	0	1	65
			T5S	27,038	5	0	2	84	28,764	5	0	2	90	28,867	5	0	2	90	20,135	4	0	1	63
			T5M	27,766	5	0	3	87	29,538	5	0	3	92	29,645	5	0	3	93	20,677	4	0	2	65
			T5W	27,332	5	0	4	85	29,076	5	0	4	91	29,181	5	0	4	91	20,354	5	0	3	64

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
10°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX2 LED 80C 1000			
	1.0	0.95	0.92	0.86
	DSX2 LED 100C 700			
	1.0	0.98	0.97	0.96
	DSX2 LED 100C 1000			
	1.0	0.94	0.90	0.84

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A) 120	208	240	277	347	480
80	530	137W	1.15	0.66	0.53	0.51	0.39	0.28
	700	188W	1.58	0.92	0.81	0.73	0.55	0.41
	1000	282W	2.37	1.35	1.18	1.04	0.83	0.61
100	530	175W	1.47	0.86	0.76	0.68	0.51	0.38
	700	232W	1.95	1.13	0.99	0.88	0.67	0.49
	1000	360W	3.03	1.72	1.49	1.3	1.05	0.77

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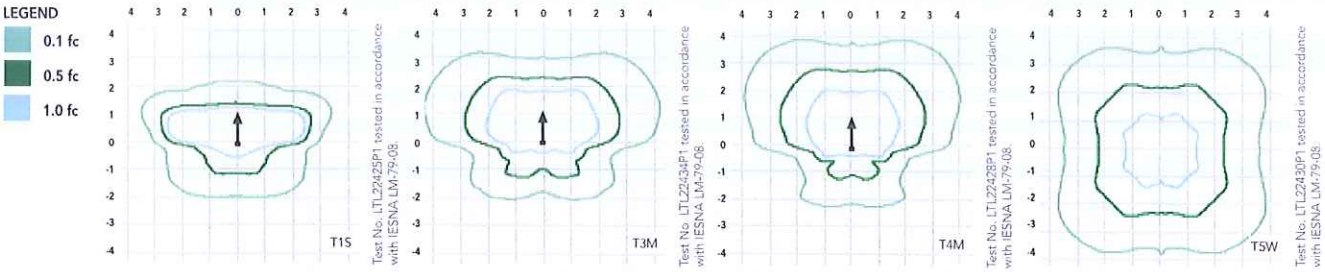
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 2 homepage.

Isofootcandle plots for the DSX2 LED 80C 1000 40K. Distances are in units of mounting height (30').



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (2.0 ft^2) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. The D-Series Size 2 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of 80, 90 or 100 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 2 to withstand up to a 2.0 G vibration load rating per ANSI C136.31. The D-Series Size 2 utilizes the AERIS™ series pole drilling pattern (Template #8). NEMA photocontrol receptacle is available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D670,857 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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SLIM12N

RAB LIGHTING

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:	Type:
BENJAMIN	D
Prepared By:	**Date:**

Driver Info

Type:	Constant Current
120V:	0.12A
208V:	0.08A
240V:	0.07A
277V:	0.06A
Input Watts:	14W
Efficiency:	86%

LED Info

Watts:	12W
Color Temp:	4000K (Neutral)
Color Accuracy:	82 CRI
L70 Lifespan:	100,000
Lumens:	1,372
Efficacy:	99 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.

DLC Listed:

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

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°F/-40°C.

Ambient Temperature:

Suitable for use in 40°C (104°F) 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 8 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, and RoHS compliant.

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., 4KV surge protection, 350mA, 100-240VAC 0.3-0.15 Amps, 277VAC 0.15Amps, Power Factor 99%.

THD:

10.1% at 120V

Other

HID Replacement Range:

The SLIM12 can be used to replace 70W MH based on delivered lumens.

California Title 24:

SLIM12 complies with 2013 California Title 24 building and electrical codes as a residential outdoor fixture. See SLIM12/PC for a model that complies as a commercial outdoor non-pole-mounted fixture‰_≤ ‰_30 Watts.

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Technical Specifications (continued)

Other

Patents:

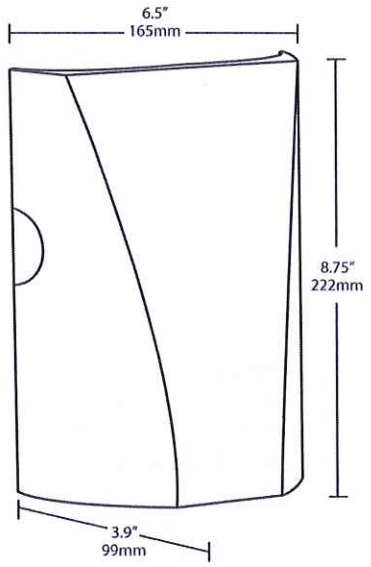
The design of the SLIM™ is protected by patents in U.S. Pat D681,864, and pending patents in Canada, China, Taiwan and Mexico.

Optical

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			Custom Color Natural Aluminum		
	26 = 26W **18** = 18W **12** = 12W	**Blank** = Cool ~~**Y** = Warm~~ **N** = Neutral	~~**Blank** = Bronze~~ **W** = White	**Blank** = No Photocell **/PC** = 120V Button **/PC2** = 277V Button	**Blank** = No Dimming **/D10** = Dimmable

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SIGNAGE
SIGNAGE
SIGNAGE
SIGNAGE
SIGNAGE
SIGNAGE
ICONICA

BENJAMIN
KING JAMES WAY

PLAN COMMISSION: 08-18-15

WEST ELEVATION
SCALE: 1/8" = 1'-0"

EXTERIOR MATERIAL KEY	
HATCH	
	NICHIHA PANEL
	GLAZING WITH CLEAR ANODIZED STOREFRONT FRAMING
	BRICK MASONRY VENEER WITH MASONRY SILLS AND LINTELS

EAST ELEVATION
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'
1/8" = 1'-0"

CONCEPTUAL EXTERIOR ELEVATIONS

ICONICA
True Design-Build

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BENJAMIN
KING JAMES WAY

PLAN COMMISSION: 08-18-15

SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

EXTERIOR MATERIAL KEY	
HATCH	
	NICHIHA PANEL
	GLAZING WITH CLEAR ANODIZED STOREFRONT FRAMING
	BRICK MASONRY VENEER WITH MASONRY SILLS AND LINTELS

NORTH ELEVATION
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'
1/8" = 1'-0"

CONCEPTUAL EXTERIOR ELEVATIONS

ICONICA
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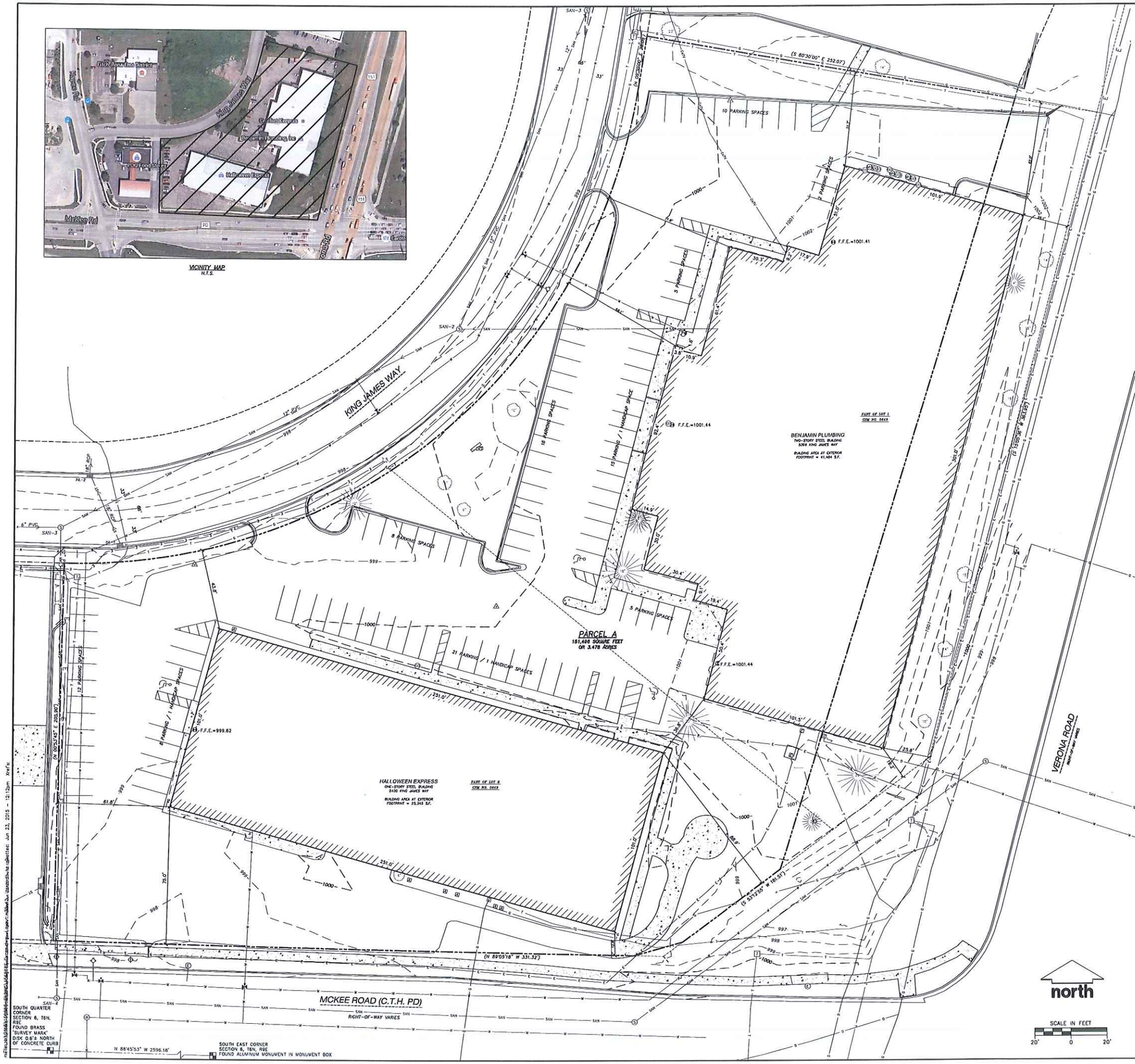
VICINITY MAP
N.T.S.



LEGEND

- GOVERNMENT CORNER
- WITNESS MONUMENT
- CONTROL POINT
- FINISHED FLOOR SHOT LOCATION
- BOLLARD
- SIGN
- SANITARY MANHOLE
- CLEAN OUT
- HYDRANT
- WATER OR GAS VALVE
- SPRINKLER VALVE BOX
- CURB INLET
- GAS REGULATOR/METER
- MANHOLE – UNVERIFIED TYPE
- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRIC TRANSFORMER
- AIR CONDITION UNIT
- LIGHT POLE
- YARD LIGHT
- TELEPHONE PEDESTAL
- CABLE PEDESTAL
- DECIDUOUS TREE
- CONIFEROUS TREE
- HANDICAP PARKING
- CENTERLINE
- RIGHT-OF-WAY LINE
- SECTION LINE
- PARCEL BOUNDARY
- PROPERTY LINE
- EASEMENT LINE
- LANDSCAPE LAMTS
- FENCE LINE
- EDGE OF PAVEMENT
- CONCRETE CURB & GUTTER
- SAN — SANITARY SEWER
- W — WATER LINE
- ST — STORM SEWER
- G — NATURAL GAS
- OE — OVERHEAD ELECTRIC DISTRIBUTION
- T — UNDERGROUND TELEPHONE
- CATV — UNDERGROUND CABLE
- EDGE OF WOODS OR BRUSH
- BUILDING
- WALL LINE
- 875 — INDEX CONTOUR
- 874 — INTERMEDIATE CONTOUR
- BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT
- EDGE OF BITUMINOUS PAVEMENT STRIPING
- DISCONTINUED MAPPED PIPE LINE
- ( ) DENOTES RECORD DATA DEPICTING THE SAME LINE ON THE GROUND AS RETRACED BY THIS SURVEY

LEGAL DESCRIPTION

PART OF LOT 1 AND PART OF LOT 2, CERTIFIED SURVEY MAP NO. 5649, RECORDED IN VOLUME 28 OF DANE COUNTY CERTIFIED SURVEY MAPS ON PAGES 183–184 AS DOCUMENT NUMBER 2108331, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

NOTES

1. FIELD WORK PERFORMED BY JSD PROFESSIONAL SERVICES, INC. FROM JUNE 16, 2015 TO JUNE 18, 2015.
2. BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE SOUTHERLY LINE OF LOT 2, CSM NO. 5649, RECORDED AS N 89°05'18" W.
3. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK IS A BRASS "SURVEY MARK" DISK MARKING THE SOUTH 1/4 CORNER OF SECTION 06, T6N, R9E, ELEVATION = 997.12'
4. CONTOUR INTERVAL IS ONE FOOT.
5. SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURFICIAL FEATURES AND APPURTENANCES, LOCATING DIGGERS HOTLINE FIELD MARKINGS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. DIGGER'S HOTLINE TICKETS NO. 20152417823, 20152417828 AND 20152417831, WITH A CLEAR DATE OF JUNE 16, 2015.
6. BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511.
7. THE ACCURACY OF THE BENCHMARKS SHOWN ON THIS MAP SHALL BE VERIFIED BEFORE BEING UTILIZED. JSD PROFESSIONAL SERVICES, INC. DOES NOT WARRANT THE ACCURACY OF THESE BENCHMARKS.
8. THIS PARCEL IS SUBJECT TO ALL EASEMENTS AND AGREEMENTS, BOTH RECORDED AND UNRECORDED.

SURVEYOR'S CERTIFICATE

I, JOHN KREBS, WISCONSIN REGISTERED LAND SURVEYOR NO. S-1878, HEREBY CERTIFY THAT THIS EXISTING CONDITIONS SURVEY AND MAP IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF IN ACCORDANCE WITH THE INFORMATION PROVIDED.

JOHN KREBS, S-1878
PROFESSIONAL LAND SURVEYOR

DATE

CURVE TABLE

CURVE	RADIUS	CHORD BEARING	CHORD	ARC LENGTH
C-1	(314.97')	(N50°07'56"W)	(410.22')	(128.50')

SANITARY SEWER MANHOLES

STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
SAN-1	999.98	S	995.28	12"	VCP
		N	995.33	12"	VCP
		NE	996.18	6"	CAST
SAN-2	999.01	SW	–	12"	PVC
		E	–	4"	PVC
		N	–	12"	PVC
SAN-3	998.30	S	993.20	12"	PVC
		W	993.60	6"	PVC
		NE	993.25	12"	PVC
SAN-4	997.34	N	992.14	12"	PVC
		E	992.09	12"	PVC
		W	992.12	12"	PVC

STORM SEWER INLETS

INLET ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
INL-1	997.14	N	994.58	18"	RCP
INL-2	997.23	W	993.83	18"	RCP
		S	993.97	18"	RCP

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608.848.5060 PHONE | 608.848.2255 FAX
MADISON | MILWAUKEE
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SERVICES PROVIDED TO:

BENJAMIN PLUMBING, INC.
5396 KING JAMES WAY
MADISON, WI 53719

PROJECT:

BENJAMIN PLUMBING OFFICE BUILDING

PROJECT LOCATION:
FITCHBURG
DANE, WI

JSD PROJECT NO.: 15-6868-S

SEAL/SIGNATURE:

ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY, THE CONTRACTOR AND SUBCONTRACTORS MUST CHECK ALL DETAIL AND DIMENSIONS OF THEIR TRADE AND BE RESPONSIBLE FOR THE SAME.

DESIGN:
DRAWN: CJO
APPROVED: TJB

PLAN MODIFICATIONS:

DIGGERS HOTLINE
Call 811 or (800) 242-8511
Milwaukee Area (262) 432-7910
Hearing Impaired 1(30) (800) 542-2289
www.Diggers-Hotline.com

SHEET TITLE:

EXISTING CONDITIONS SURVEY

MAP NO: E-*

SHEET NUMBER:

1 OF 1

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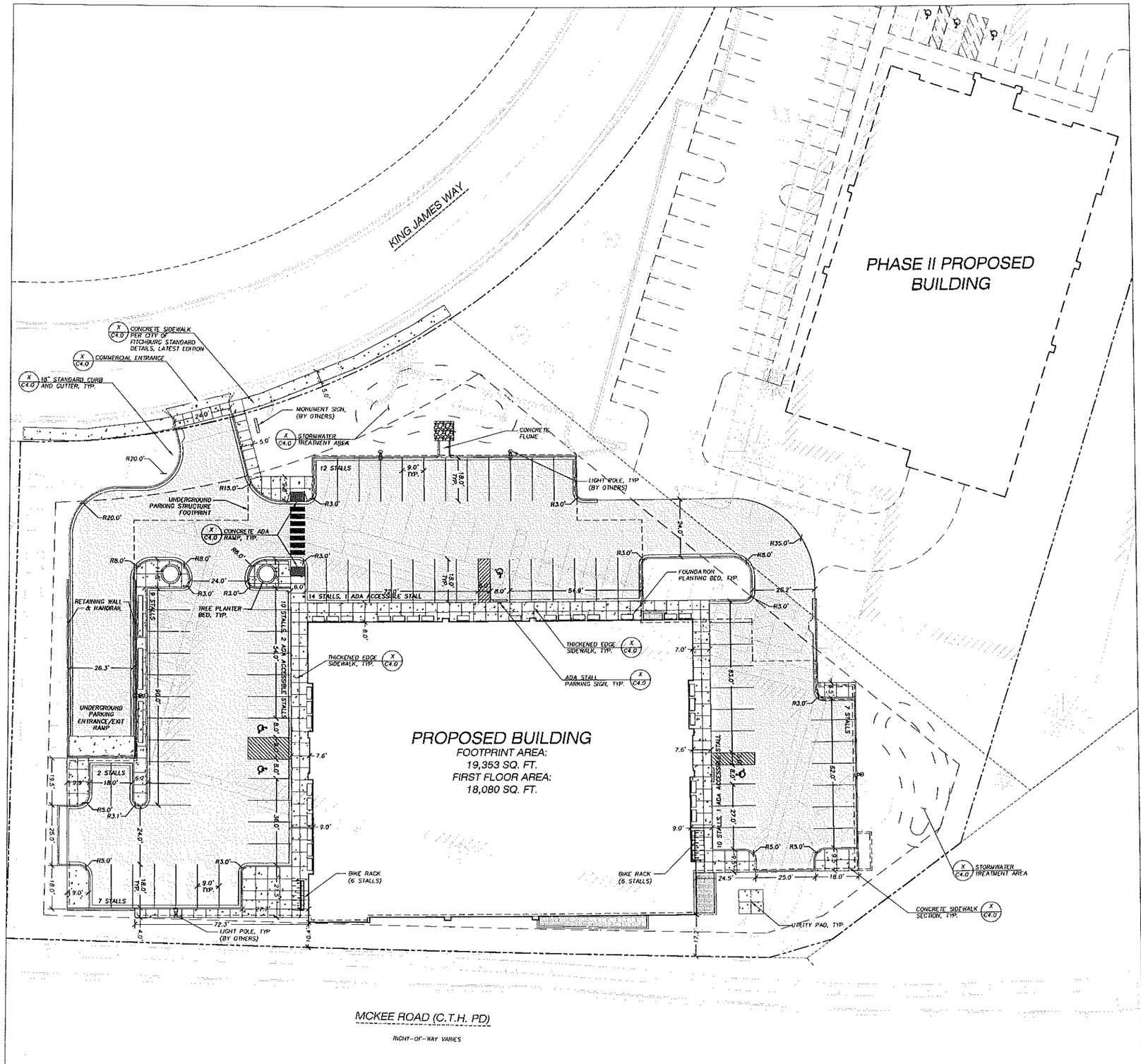

north

SCALE IN FEET

20' 0 20'

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- PROPOSED BUILDING ADDITION
- PROPOSED UNDERGROUND PARKING FOOTPRINT
- EDGE OF PAVEMENT
- 18" STANDARD CURB AND GUTTER
- PROPOSED CONCRETE
- PROPOSED CONCRETE PAVEMENT

GENERAL NOTES

1. REFER TO THE BOUNDARY, TOPOGRAPHIC, & UTILITY SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
2. ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF FITCHBURG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE PERFORMED BY A LICENSED CONTRACTOR.
3. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
4. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES UNLESS OTHERWISE SHOWN.
5. DRAWING FOR REVIEW – NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.

SITE PLAN NOTES

1. ALL DIMENSIONS TO FACE OF CURB AND/OR EDGING OF CONCRETE UNLESS OTHERWISE NOTED.
2. ALL RADII TO FACE OF CURB AND/OR EDGING OF CONCRETE UNLESS OTHERWISE NOTED.
3. ALL PRIVATE CURB AND GUTTER SHALL BE 18" STANDARD CURB AND GUTTER. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET THE REQUIREMENTS OF THE TOWN OF FITCHBURG.
4. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER
5. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER
6. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
7. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
8. USE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT FOR STALL LINES.
9. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.
10. 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.

SITE INFORMATION BLOCK	
Site Address 5400 King James Way, Fitchburg, WI	
Site Acreage (total)	1.765
Existing Building Square Footage	25,345 SF
Existing Impervious Surface Area	38,702 SF
Existing Open Space Area	12,828 SF
Proposed Surface Parking Stalls	
Large Stall	71
Accessible	4
Total Surface Parking Stalls	75
Proposed Underground Parking Stalls	
Large Stall (@3/1000 sq. ft.)	119
Total Site Parking Stall Count	194
Proposed Number of Building Stories (above grade)	3
Total Proposed Building Footprint	19,353 SF
Proposed Open Space Surface Area	55,200 S.F.
Proposed Impervious Surface Area*	21,675 S.F.
Proposed Impervious Surface Area Ratio	0.718
Proposed Open Space Surface Area Ratio	0.282
*Note: Impervious Surface Area includes Building Footprint Area.	

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ISSUE DATES:
PLAN COMMISSION: 08-18-15

RFI/SI DATE:

Schematic Design Phase:

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PROJECT #:

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C-1.0

SITE PLAN

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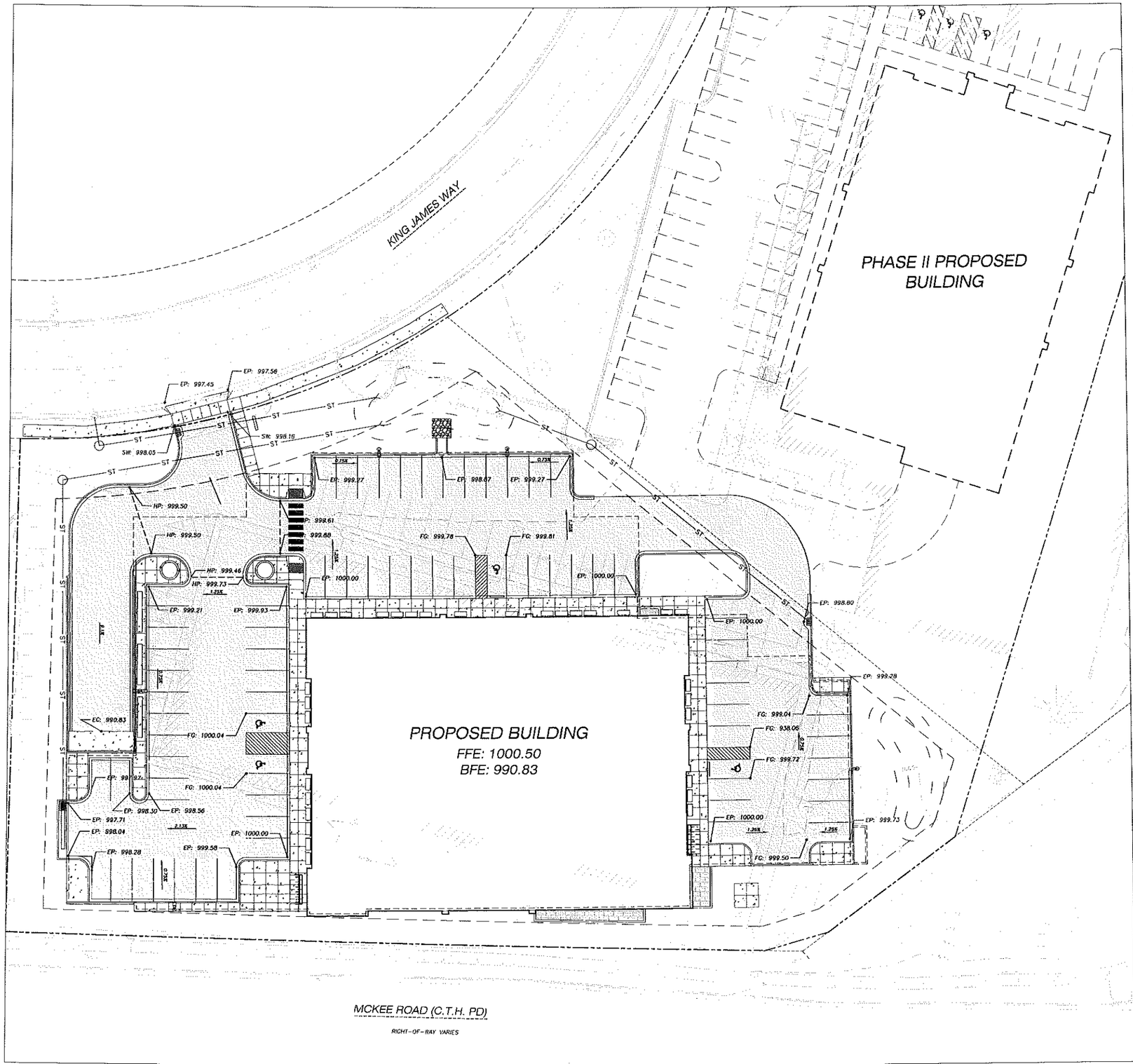

north

SCALE IN FEET

20' 0 20'

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- PROPOSED BUILDING ADDITION
- PROPOSED UNDERGROUND PARKING FOOTPRINT
- EDGE OF PAVEMENT
- 18" STANDARD CURB AND GUTTER
- 868 PROPOSED MINOR CONTOUR
- 870 PROPOSED MAJOR CONTOUR
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE PAVEMENT
- SILT FENCE
- INLET PROTECTION
- DRAINAGE DIRECTION
- SW: 938.06 SPOT ELEVATION
  - EP – EDGE OF PAVEMENT
  - FG – FINAL GRADE
  - HP – HIGH POINT
  - SW – SIDEWALK
  - TS – TOP OF STEP
  - TS – BOTTOM OF STEP
  - RE – RIM ELEVATION

GENERAL NOTES

1. REFER TO THE BOUNDARY, TOPOGRAPHIC, & UTILITY SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
2. ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF FITCHBURG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE PERFORMED BY A LICENSED CONTRACTOR.
3. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
4. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES UNLESS OTHERWISE SHOWN.
5. DRAWING FOR REVIEW – NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.

CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DESIGNED AND IMPLEMENTED IN ACCORDANCE WITH THE CURRENT DEPARTMENT OF NATURAL RESOURCES EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS WHICH ARE AVAILABLE AT: http://www.dnr.state.wi.us/runoff/stormwater/techstds.htm
2. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIALS AS SHOWN ON PLAN. MODIFICATIONS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNFORESEEN FIELD CONDITIONS IF MODIFICATIONS CONFORM TO WDNR TECHNICAL STANDARDS.
3. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY. ONLINE REPORTING OF INSPECTIONS AND MAINTENANCE IS REQUIRED TO BE SUBMITTED TO THE CITY OF FITCHBURG.
4. INSPECT EROSION CONTROL MEASURES AFTER EACH 1/2" OR GREATER RAINFALL. REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION.
5. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.
6. INSTALL A TRACKING PAD, 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. TRACKING PADS ARE TO BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO THE ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED BY THE CITY OF FITCHBURG.
7. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES AND PROVIDE TEMPORARY SEEDING ON STOCKPILES WHICH ARE TO REMAIN IN PLACE FOR MORE THAN 7 DAYS.
8. INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AND IN FRONT OF SILT FENCING IN ANY LOW AREA ALL IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS.
9. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
   A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
   B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
   C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
10. INSTALL TYPE D INLET PROTECTION AROUND ALL STORM SEWER INLETS AND CATCH BASINS THAT MAY RECEIVE RUNOFF FROM AREAS UNDER CONSTRUCTION. REFER TO WSDOT FDM FOR RESPECTIVE DETAILS.
11. APPLY ANIONIC POLYMER TO DISTURBED AREAS IF EROSION BECOMES PROBLEMATIC.
12. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, AND/OR ENGINEER SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
13. ALL SLOPES EXCEEDING 3:1 (20%) SHALL BE STABILIZED WITH A CLASS II, TYPE B EROSION MATTING AND DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING OR APPLICATION OF A WDOT APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED. CONTRACTOR SHALL PROVIDE PRODUCT SPECIFICATIONS TO PROJECT ENGINEER FOR APPROVAL.
14. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON VEGETATIVE STABILIZATION AND/OR PROPERTY SALE IN ACCORDANCE WITH WDNR REQUIREMENTS.
15. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068.
16. CONTRACTOR TO PROVIDE SEALED OR SOLID LID, OR FILTER BAGS ON ALL OPEN MANHOLES DURING CONSTRUCTION TO MINIMIZE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.
17. BUILDING AND WASTE MATERIAL SHALL BE HANDLED TO PREVENT RUNOFF OF MATERIAL INTO WATERS OF THE STATE.
18. NO SOLID MATERIAL IS DISCHARGED IN VIOLATION OF WISCONSIN STATUTES CHAPTERS 30 OR 31, OR USC 1344 PERMITS.
19. SHOULD GRANULAR SOIL SEAMS BE ENCOUNTERED BELOW PLANNED WATER LEVELS DURING EXCAVATION OF THE POND, THESE SOILS SHALL BE OVER EXCAVATED A MINIMUM OF 2 FEET AND REPLACED WITH COMPACTED CLAY MATERIALS TO SERVE AS A PLUG.
20.

GRADING AND SEEDING NOTES

1. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
2. CONTRACTOR SHALL STABILIZE ANY EXPOSED SOIL SURFACES ON THE SITE WITH MULCH PRIOR TO WINTER.
3. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES WITH SILT FENCING FOR EROSION CONTROL UNTIL CONSTRUCTION IS COMPLETED AND NOTICE OF TERMINATION FILED.
5. CONTRACTOR SHALL WATER ALL NEWLY SEEDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
6. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SEEDING AND MULCHING. THIS MUST BE VERIFIED BY THE ENGINEER AS PART OF THE AS-BUILT CERTIFICATION.
7. THE CONTRACTOR SHALL NOTIFY THE CITY OF FITCHBURG A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.

GRADING AND EROSION CONTROL PLAN

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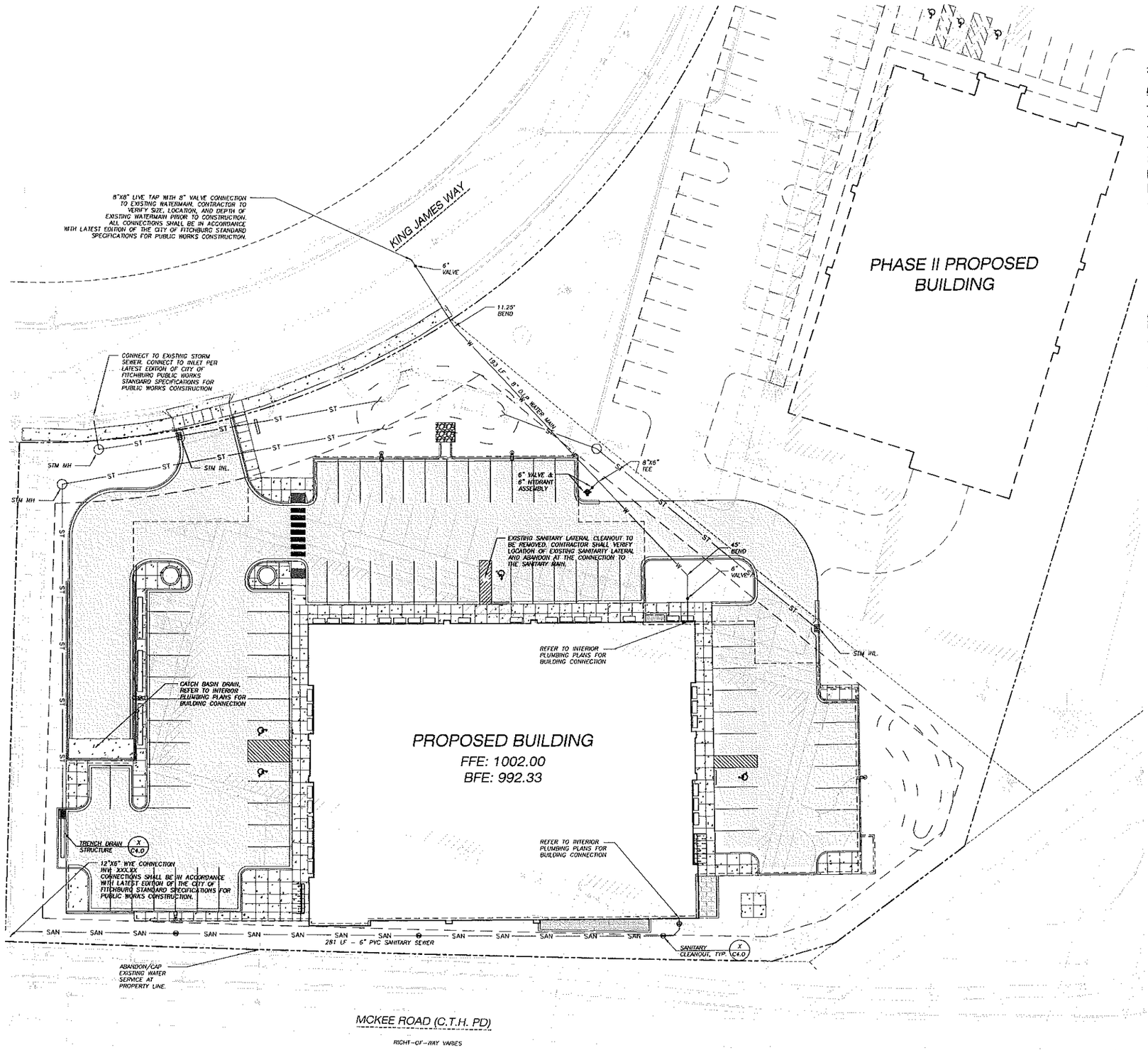

north

SCALE IN FEET

20' 0 20'

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- PROPOSED BUILDING ADDITION
- PROPOSED UNDERGROUND PARKING FOOTPRINT
- EDGE OF PAVEMENT
- 18" STANDARD CURB AND GUTTER
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE PAVEMENT
- ST — STORM SEWER
- SAN — SAN — SANITARY SEWER
- W — WATER MAIN

GENERAL NOTES

1. REFER TO THE BOUNDARY, TOPOGRAPHIC, & UTILITY SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
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3. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
4. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES UNLESS OTHERWISE SHOWN.
5. DRAWING FOR REVIEW – NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.

UTILITY NOTES

1. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
2. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
3. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
4. ALL CONSTRUCTION SIGNING TO BE IN ACCORDANCE WITH THE CITY OF FITCHBURG AND WISCONSIN DEPARTMENT OF TRANSPORTATION REQUIREMENTS.
5. THE CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED.
6. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH ENGINEERING PLANS DESIGNED TO MEET ORDINANCES AND REQUIREMENTS OF THE MUNICIPALITY AND WISDOT, WDSPS, AND WDNR.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
   - EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
   - OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY IN INCLUDING BUT NOT LIMITED TO EXISTING SERVICE ABANDONMENT.
   - VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
   - NOTIFYING ALL UTILITIES PRIOR TO THE INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
   - NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
8. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.
9. THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
10. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
11. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
12. ALL PRIVATE STORM BUILDING PIPE AND TUBING SHALL CONFORM TO SPS 384.30, TABLE 384.30-6.
13. WATER SERVICE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO FIELD VERIFY LOCATION AND SIZE. REPORT DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
14. ALL PRIVATE SANITARY SEWER BUILDING PIPE AND TUBING SHALL CONFORM TO SPS 384.30, TABLE 384.30-6.
15. COORDINATE AND OBTAIN ALL PERMITS FOR EXISTING PRIVATE SERVICES TO BE ABANDONED WITH THE CITY OF FITCHBURG.
16. DEWATERING SHALL BE CONDUCTED PER WDNR STORM WATER MANAGEMENT TECHNICAL STANDARD 1061. CONTRACTOR SHALL COORDINATE WITH THE DEPARTMENT OF PUBLIC WORKS TO PROTECT STREAM BANKS DURING CONSTRUCTION DEWATERING.
17. CONTRACTOR SHALL COMPLY WITH WISDOT AND CITY OF FITCHBURG PERMITS FOR WORK IN ROW.
18. ALL EXISTING WATER SERVICES SHALL BE ABANDONED AT THE EXISTING CURB STOP LOCATION.
19. CONTRACTOR SHALL COORDINATE WITH UTILITY FOR TRANSFORMER PAD REQUIREMENTS AND SPECIFICATIONS.

UTILITY PLAN

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C-3.0

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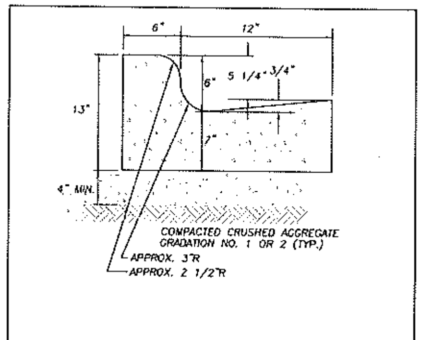
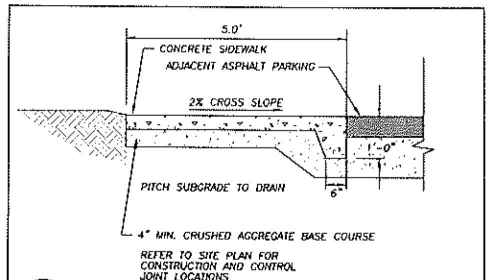


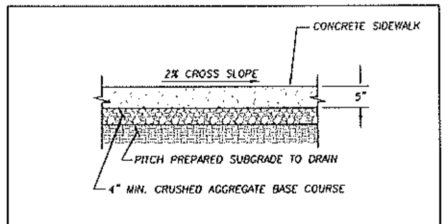
1 / C-4.0 **18" STANDARD CURB AND GUTTER**

N.T.S.



X / C-4.0 **THICKENED EDGE FLUSH SIDEWALK SECTION**

N.T.S.



CONCRETE PAVEMENT SECTION OVER DISTURBED AREA

X / C-4.0 **CONCRETE SIDEWALK SECTION**

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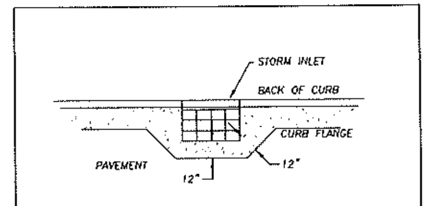
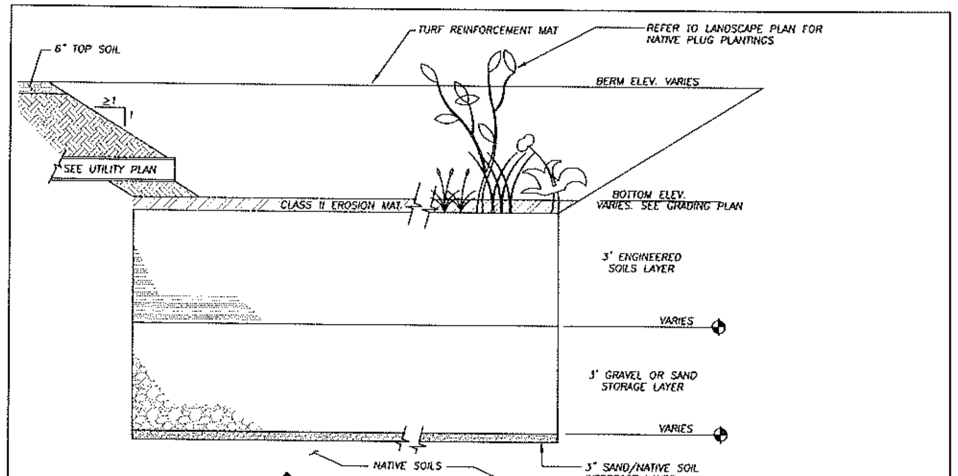


X / C-4.0 **CONCRETE INLET COLLAR**



A **SECTION**

N.T.S.

GENERAL NOTES:

1. ALL CONSTRUCTION PRACTICES SHALL MEET THE SPECIFICATIONS OF THE WDNR TECHNICAL STANDARD 1004 – BIORETENTION FOR INFILTRATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THIS STANDARD AND CONSTRUCT THE BIORETENTION DEVICE IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED THEREIN.
2. CONTRACTOR SHALL INSTALL 36" OF ENGINEERED SOIL CONSISTING OF: 70% ASTM C33 SAND, 30% CERTIFIED COMPOST (SEE GENERAL NOTE 3).
3. CERTIFIED COMPOST SHALL CONSIST OF: >40% ORGANIC MATTER, <60% ASH CONTENT, pH OF 6–8, AND MOISTURE CONTENT OF 35–50% BY WEIGHT.
4. SAND/NATIVE SOIL INFILTRATION LAYER SHALL BE FORMED BY A LAYER OF SAND 3 INCHES DEEP, WHICH IS VERTICALLY MIXED WITH THE NATIVE SOIL TO A DEPTH OF 2–4 INCHES.
5. ANNUAL RYE GRASS SHALL BE SEEDED AT 40 LB/ACRE WITH THE SEED MIX IN THE AREAS SURROUNDING THE BASIN, ON SIDE SLOPES, AND OVER ANY LAND THAT DISCHARGES INTO THE BASIN FOR EROSION CONTROL WHEN BASIN IS BROUGHT ON-LINE. ROOTSTOP AND PLUGS ARE REQUIRED TO ESTABLISH VEGETATION AT THE INVERT OF THE BASIN.
6. RUNOFF MUST INFILTRATE WITHIN 48-HOURS. BASINS UNABLE TO MAINTAIN THESE RATES MUST BE DEEP TILLED, REGRADED, AND IF NECESSARY REPLANTED TO RESTORE ORIGINAL INFILTRATION RATES.
7. ALL WORK TO BE CONDUCTED IN CONFORMANCE WITH APPLICABLE LOCAL, REGIONAL, AND STATE STORMWATER STANDARDS FOR THE PROJECT SITE AS APPROVED BY THE REGULATORY ENGINEER.
8. OWNER OR CONTRACTOR MUST CONSULT LANDSCAPE ARCHITECT OR ECOLOGICAL PLANTING AGENCY FOR APPROPRIATE PLANTS AND PLANTING CONFIGURATIONS.

INFILTRATION DEVICES ARE DESIGNED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR), COUNTY, MUNICIPALITY, AND ENGINEERING STANDARD OF CARE. ALL DESIGNATED INFILTRATION AREAS (e.g. RAIN GARDENS, INFILTRATION BASINS, BIORETENTION DEVICES) SHALL BE FENCED PRIOR TO CONSTRUCTION AND REMAIN UNDISTURBED AND PROTECTED DURING THE CONSTRUCTION OF PROPOSED SITE IMPROVEMENTS. PROPOSED BIORETENTION DEVICES SHALL NOT BE CONSTRUCTED UNTIL THE DEVICE'S CONTRIBUTING WATERSHED AREA MEETS ESTABLISHED VEGETATION REQUIREMENTS SET FORTH WITHIN THE RESPECTIVE WDNR TECHNICAL STANDARDS. IF THE LOCATION OF THE INFILTRATION AREA CONFLICTS WITH CONSTRUCTION STAGING AND/OR CONSTRUCTION TRAFFIC AND IS DISTURBED, COMPACTION MITIGATION WILL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR IS REQUIRED TO PROVIDE QUALIFIED STAFF FOR INSPECTION AND OBSERVATION OF THE CONSTRUCTION ACTIVITIES RELATING TO ALL JOB SITE REGULATORY COMPLIANCE INCLUDING THE PROTECTION AND CONSTRUCTION OF ALL STORMWATER MANAGEMENT FEATURES. ANY OBSERVATION OF PLAN OR SITE DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

X / C-4.0 **BIORETENTION BASIN**

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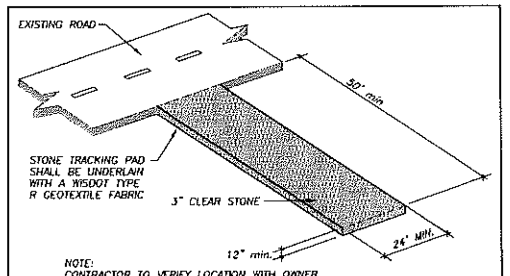

NOTE: CONTRACTOR TO VERIFY LOCATION WITH OWNER

7 / C-4.0 **CONSTRUCTION ENTRANCE**

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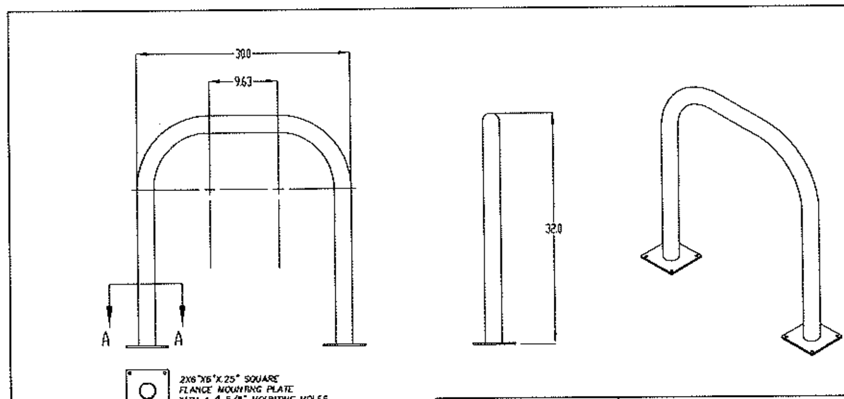

NOTE:
1. DO NOT SCALE DRAWING
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

X / C-4.0 **INVERTED U BIKE RACK**

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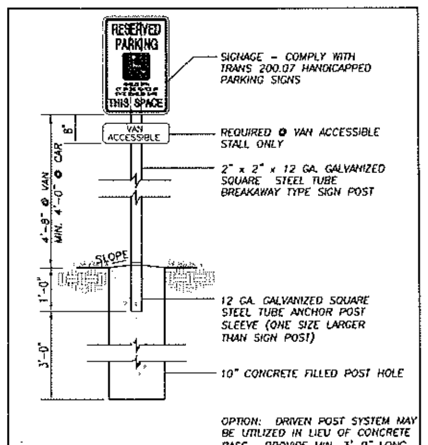
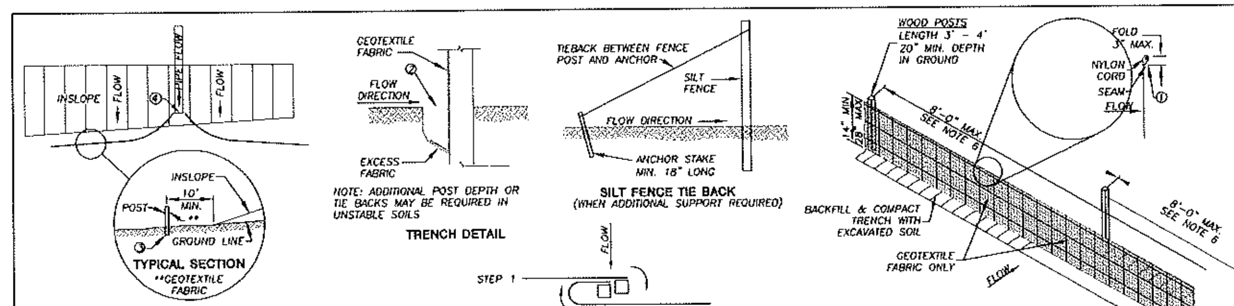


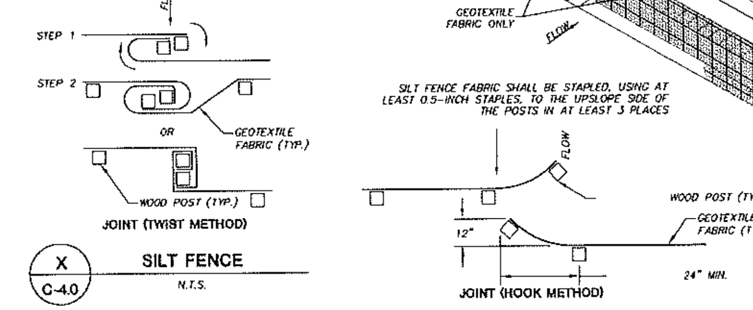
X / C-4.0 **ADA PARKING STALL SIGN**

N.T.S.



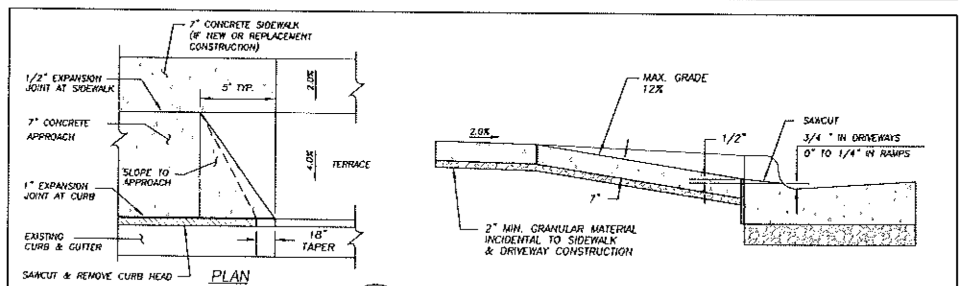
SILT FENCE ALONG SLOPES & OUTFALLS

1. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF FABRIC IN A 4" WIDE AND 6" DEEP TRENCH OR 6 INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
2. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" x 1 1/8" OF DRIED OAK OR HICKORY.
4. SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE.
5. SILT FENCE CONSTRUCTION AND GEOTEXTILE FABRIC SHALL CONFORM TO WDNR TECHNICAL STANDARD 1056.
6. POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8'-0" FOR WOVEN & 3'-0" FOR NON-WOVEN)



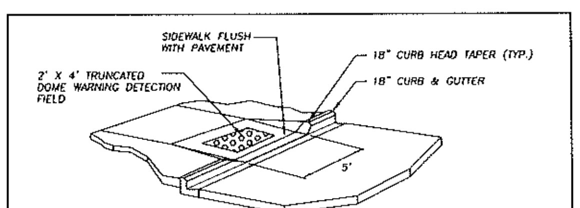
X / C-4.0 **SILT FENCE**

N.T.S.



X / C-4.0 **COMMERCIAL ENTRANCE**

N.T.S.



X / C-4.0 ***CONCRETE ADA RAMP***

N.T.S.

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ISSUE DATES:
PLAN COMMISSION: 08-18-15

RFI/SI DATE:

Schematic Design Phase:

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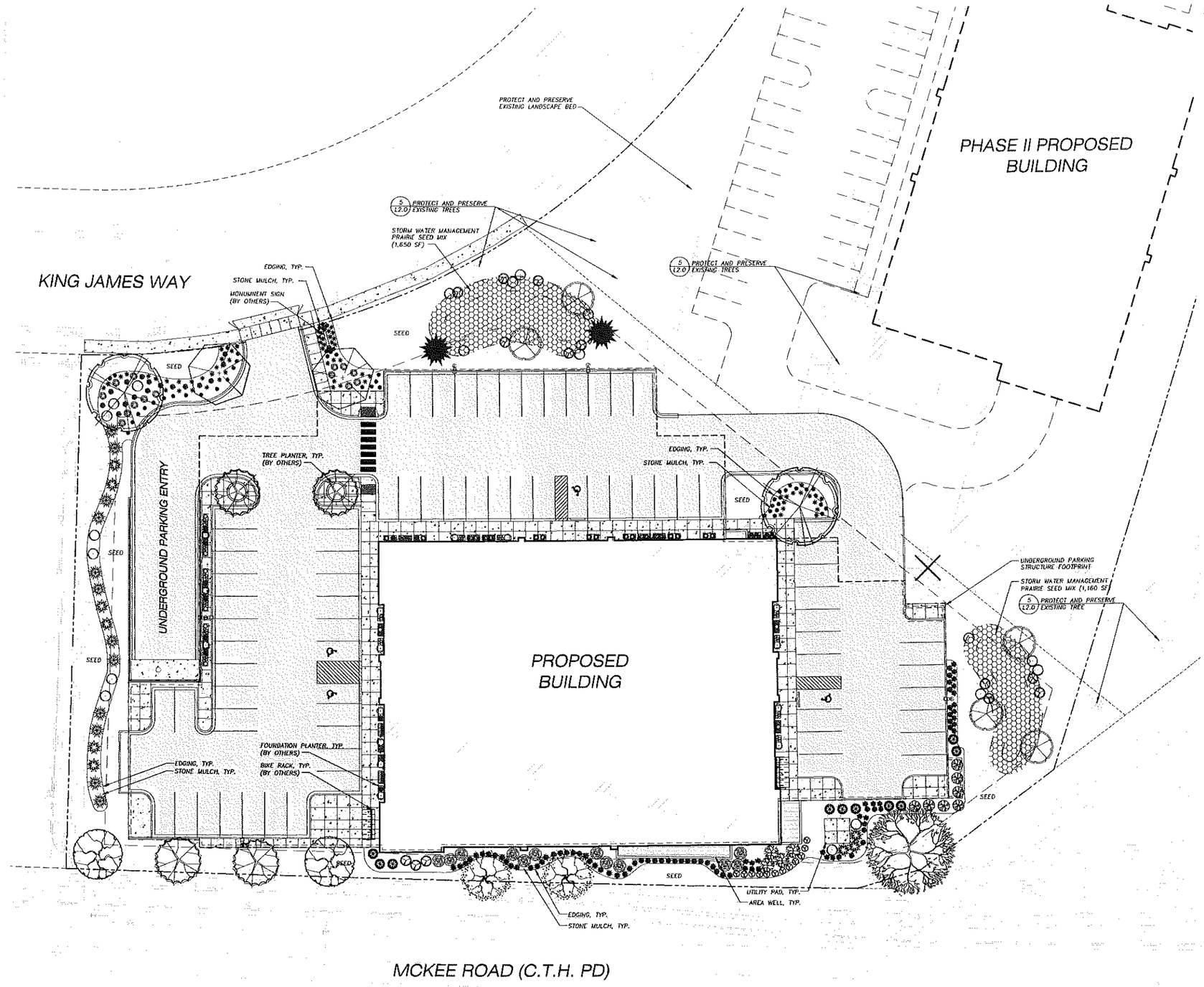
C-4.0

DETAILS

Layout: C-4.0 User: mnoose Plotted: Aug 19, 2015 - 10:56am Xref's:



GENERAL NOTES:

1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
2. ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE CITY OF FITCHBURG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES
4. DRAWING FOR REVIEW – NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
5. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- PROPOSED CONCRETE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED PRAIRIE SEED MIX (SEE NOTES ON SHEET L-2.0)
- POLYETHYLENE EDGING
- TREE REMOVAL
- LIGHT POST (BY OTHERS)

LEGEND (PROPOSED)

OVERSTORY DECIDUOUS TREES

- Prairie Pride Common Hackberry
- Swamp White Oak
- Crimson King Maple
- Sienna Glen Maple

TALL EVERGREEN TREES

- Black Hills Spruce

MEDIUM DECIDUOUS TREES

- Thornless Cockspur Hawthorn
- Chanticleer Callery Pear

LOW DECIDUOUS TREES

- Fox Valley Dwarf River Birch

UPRIGHT EVERGREEN SHRUBS

- Iowa Juniper
- Techny Arborvitae
- Emerald Arborvitae

TALL DECIDUOUS SHRUBS

- Pink Delight Butterfly Bush
- Redosier Dogwood

MEDIUM DECIDUOUS SHRUBS

- Spring Red Compact Cranberrybush Viburnum
- Annabelle Hydrangea
- Isanti Dogwood
- Variegated Red Twig Dogwood

MEDIUM EVERGREEN SHRUBS

- Taunton Yew
- Green Mountain Japanese Boxwood

LOW DECIDUOUS SHRUBS

- Goldmound Spirea
- Gold Star Potentilla

LOW EVERGREEN SHRUBS

- Blue Star Juniper

PERENNIALS AND ORNAMENTAL GRASSES

- Korean Feather Reed Grass
- Bridal Veil Astilbe
- Pardon Me Daylily
- Prairie Dropseed
- Flame Grass
- Solomon's Seal
- Coral Bells Palace Purple
- Golden Creeping Jenny
- Golden Sword Yucca
- Cheddar Pink
- Pennsylvania Sedge

north

SCALE IN FEET
20' 0 20'

OVERALL LANDSCAPE PLAN

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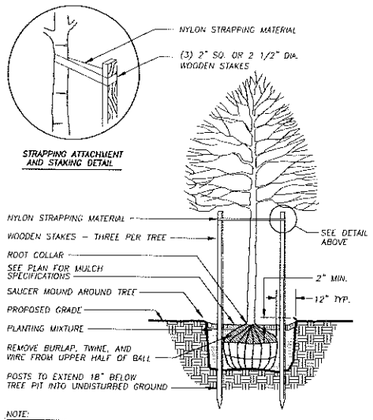
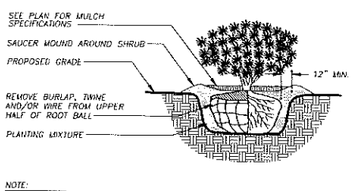
L-1.0



NOTE:
ROOT COLLAR TO BE AT GRADE.
DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO COLLAR.

1 / L2.0 **DECIDUOUS TREE PLANTING DETAIL**

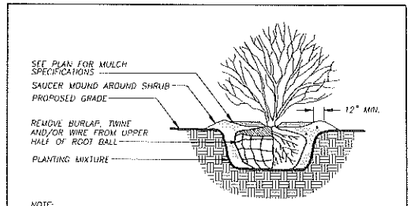
N.T.S.



NOTE:
ROOT COLLAR TO BE AT GRADE.
DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO COLLAR.

3 / L2.0 **EVERGREEN SHRUB PLANTING DETAIL**

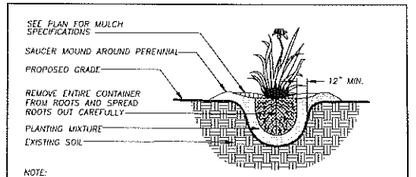
N.T.S.



NOTE:
ROOT COLLAR TO BE AT GRADE.
DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO COLLAR.

2 / L2.0 **DECIDUOUS SHRUB PLANTING DETAIL**

N.T.S.



NOTE:
ROOT COLLAR TO BE AT GRADE.
DIG HOLE NO DEEPER THAN BASE OF ROOT CONTAINER OR BAREROOT TO COLLAR.
BARK MULCH IS TO BE PULLED AWAY FROM THE TRUNK/BASE OF EACH PERENNIAL

4 / L2.0 **ORNAMENTAL GRASS/ PERENNIAL PLANTING DETAIL**

N.T.S.

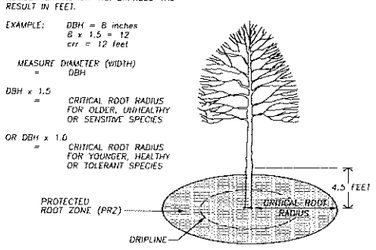
APPROXIMATE A TREE'S PROTECTED ROOT ZONE BY CALCULATING THE CRITICAL ROOT RADIUS (crr). FIRST, MEASURE THE TREE DIAMETER IN INCHES AT BREAST HEIGHT (DBH). THEN MULTIPLY THAT NUMBER BY 1.5 OR 1.0. EXPRESS THE RESULT IN FEET.

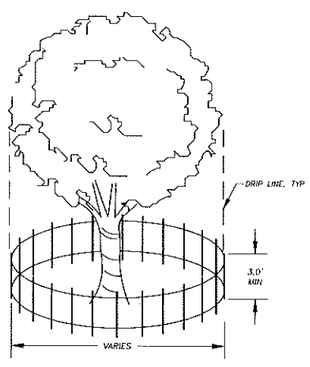
EXAMPLE: DBH = 8 inches
8 x 1.5 = 12
crr = 12 feet

MEASURE DIAMETER (WIDTH) = DBH

DBH x 1.5 = CRITICAL ROOT RADIUS FOR OLDER, UNHEALTHY OR SENSITIVE SPECIES

OR DBH x 1.0 = CRITICAL ROOT RADIUS FOR YOUNGER, HEALTHY OR TOLERANT SPECIES





TREE NOTES:

1. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA SURROUNDING THE TREE WITHIN THE CRITICAL ROOT RADIUS
2. NO EXCAVATION IS PERMITTED WITHIN THE CRITICAL ROOT RADIUS
3. IF EXCAVATION WITHIN THE CRITICAL ROOT RADIUS OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTER PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM.

5 / L2.0 **TREE PROTECTION DETAIL**

N.T.S.

LANDSCAPE NOTES AND SPECIFICATIONS

1. GENERAL: ALL WORK IN THE R-O-W AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF FITCHBURG REQUIREMENTS. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES. LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 1-800-382-5544 FOR UTILITY LOCATIONS AT LEAST THREE DAYS PRIOR TO DIGGING. HAND DIG AND INSTALL ALL PLANTS THAT ARE NEAR EXISTING UTILITIES. PROTECT PREVIOUSLY INSTALLED WORK OF OTHER TRADES. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
2. DELIVERY AND HANDLING: DO NOT DELIVER MORE PLANT MATERIALS THAN CAN BE PLANTED IN ONE DAY. DELIVER PLANTS WITH LEGIBLE IDENTIFICATION LABELS. PROTECT PLANTS DURING DELIVERY AND DO NOT PRUNE PRIOR TO DELIVERY. ALL TREES AND SHRUBS SHALL BE PLANTED ON THE DAY OF DELIVERY; IF THIS IS NOT POSSIBLE, PROTECT THAT STOCK NOT PLANTED BY STORING STOCK IN A SHADED AREA PROTECTING THE ROOT MASS WITH WET SOIL, MOSS OR OTHER SUITABLE MEDIA AND KEEPING WELL WATERED. DO NOT REMOVE CONTAINER GROWN STOCK FROM CONTAINERS BEFORE TIME OF PLANTING. DO NOT PICK UP CONTAINER OR BALLED PLANTS BY STEM OR ROOTS. ALL PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE BALL. PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED PRACTICES.
3. GUARANTEE: THE CONTRACTOR SHALL GUARANTEE ALL PLANTS THROUGH ONE (1) YEAR AFTER ACCEPTANCE BY OWNER. PLANTS SHALL BE ALIVE AND IN GOOD HEALTHY AND FLOURISHING CONDITION AT THE END OF THE GUARANTEE PERIOD. THE CONTRACTOR SHALL REPLACE WITHOUT COST TO THE OWNER ANY PLANTS THAT ARE DEAD OR NOT IN A VIGOROUS THRIVING CONDITION. REPLACEMENT PLANTS SHALL BE OF THE SAME KIND AND SIZE AS ORIGINALLY SPECIFIED UNLESS OTHERWISE DIRECTED BY OWNER. RESTORE BEDS AS NECESSARY FOLLOWING PLANT REPLACEMENT, INCLUDING BUT NOT LIMITED TO BEDDING, EDGING, MULCH, ETC. REPAIR DAMAGE TO OTHER PLANTS OR PLANTING AREAS DURING PLANT REPLACEMENT AT NO COST TO OWNER. CONTRACTOR SHALL PROVIDE A TWO (2)-YEAR STRAIGHTENING GUARANTEE FOR ALL TREES.
4. MATERIALS – PLANTS: ALL PLANTS SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1–2004. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST 2 YEARS. PLANTS SHALL BE FRESHLY DUG (DURING THE MOST RECENT FAVORABLE HARVEST SEASON). PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY SUPERIOR IN FORM, COMPACTNESS, AND SYMMETRY. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, AND FREE OF DISEASE AND INSECTS (ADULT EGGS, PUPAE OR LARVAE). THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS AND SHALL BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT THRIVING GROWTH. PLANTS SHALL BE OF THE HIGHEST QUALITY, HAVE TYPICAL GROWTH HABITS FOR THEIR SPECIES, BE SOUND, HEALTHY, VIGOROUS AND FREE OF INJURY. PARKWAY TREES AND PARKING LOT TREES SHALL HAVE A MINIMUM BRANCHING HEIGHT OF SIX (6) FEET ABOVE THE GROUND TO ALLOW ADEQUATE VISUAL AND PHYSICAL CLEARANCE.
5. MATERIALS – SOIL: PLANTING SOIL SHALL MEET THESE REQUIREMENTS:
   A. PLANTING AREAS = 24"
   B. TREE PITS = SEE DETAILS
6. PLANTING SOIL TO BE A MINIMUM 24" DEPTH, UNLESS OTHERWISE SPECIFIED AS ABOVE OR ON DETAILS. TOPSOIL TO BE CLEAN, FRIABLE LOAM FROM LOCAL SOURCE, FREE FROM STONES OR DEBRIS OVER 1/4" IN DIAMETER, AND FREE FROM TOXINS. TOPSOIL SHALL HAVE A pH VALUE BETWEEN 6 AND 7. TOPSOIL AND PLANTING SOIL SHALL BE TESTED TO CONFORM TO THESE SPECIFICATIONS AND SHALL BE AMENDED TO MEET THESE SPECIFICATIONS. DO NOT PLACE FROZEN OR MUDDY TOPSOIL. APPLY SOIL AMENDMENTS TO ALL LANDSCAPE BEDS PER SOIL TEST.
7. MATERIALS – FERTILIZER AND MULCH: ALL FOUNDATION AND PARKING INTERIOR PLANTING BED AREAS SHALL RECEIVE 1 1 INCH DECORATIVE WASHED STONE SPREAD TO A DEPTH OF THREE INCHES. OWNER SHALL APPROVE COLOR, TEXTURE AND SIZE EXAMPLE PRIOR TO INSTALLATION. AN APPROVED PROFESSIONAL GRADE WOVEN FABRIC WEED BARRIER SHALL BE INSTALLED PRIOR TO MULCH INSTALLATION. NO PLASTIC (IMPERVIOUS BARRIERS ACCEPTED) EX. BLACK WISQUEEN. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE OF WISCONSIN REQUIREMENTS.
8. MATERIALS – TREE & SHRUB RINGS: ALL TREES AND/OR SHRUBS PLANTED IN SEEDED LAWN AREAS TO BE INSTALLED WITH A MINIMUM 5' DIAMETER SHREDDED HARDWOOD MULCH TREE RING SPREAD TO A CONSISTENT DEPTH OF 4 INCHES. ALL TREE RINGS SHOULD BE INSTALLED WITH A 5" DEPTH SHOVEL CUT EDGE, ANGLED 45 DEGREES INTO SOIL AT A 5' DIAMETER ABOUT THE CENTER OF THE TREE PLANTING. A PRE-EMERGENT GRANULE WEED-PREVENTER SHOULD BE MIXED WITH MULCH USED TO INSTALL TREE RING AS WELL AS TOPICALLY APPLIED TO FINISHED INSTALLATION OF TREE RING.
9. MATERIALS – WEED BARRIER FABRIC: ALL PLANTING BEDS SHALL BE INSTALLED WITH WOVEN WEED BARRIER FABRIC. NO PLASTIC/IMPERVIOUS BARRIERS WILL BE PERMITTED. EXAMPLE: BLACK WISQUEEN.
10. MATERIALS – EDGING: EDGING SHALL BE 5" DEEP, POLYETHYLENE EDGING. OWNER SHALL APPROVE PRODUCT SPECIFICATION PROVIDED BY LANDSCAPE CONTRACTOR
11. MATERIALS – PRAIRIE SEED MIX: AREAS SPECIFIED ON PLAN TO BE HAND SEEDED WITH "DIVERSE PRAIRIE FOR MEDIUM SOILS" SEED MIX, AS PROVIDED BY PRAIRIE NURSERY, P.O. BOX 306, WESTFIELD, WISCONSIN, 53964, TEL. 608-296-3679 (OR APPROVED EQUIVALENT). INSTALL SEED WITH SUPPLEMENTAL MATERIALS AND AMENDMENTS AS RECOMMENDED BY SEED SUPPLIER AND AT RATES AND OPTIMUM TIMES OF THE YEAR AS RECOMMENDED BY THE SEED SUPPLIER TO ENSURE SUCCESSFUL GERMINATION AND SEED/ROOT ZONE GROWTH DEVELOPMENT. REFER TO PRODUCT SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION.
12. MATERIALS– SEED: DISTURBED LAWN AREAS LABELED ON PLAN SHALL BE HAND SEEDED WITH EARTH CARPET'S 'MADISON PARKS' (OR APPROVED EQUIVALENT) AS APPROVED BY THE OWNER'S REPRESENTATIVE, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. IN ADDITION TO LAWN SEED, ANNUAL RYE SHALL BE APPLIED TO ALL DISTURBED AREAS AT A RATE OF 1 1/2 LBS PER 1000 SQUARE FEET. FERTILIZE AND MULCH PER MANUFACTURER'S RECOMMENDATIONS.
13. PRUNING: THE CONTRACTOR SHALL PRUNE ALL TREES AND REPAIR ANY INJURIES THAT OCCURRED DURING THE PLANTING PROCESS. DOUBLE LEADERS, DEAD BRANCHES, AND LIMBS DAMAGED OR BROKEN DURING THE PLANTING PROCESS SHALL BE PRUNED. THIS SHALL BE THE ONLY PRUNING ALLOWED AT PLANTING. PRUNING SHALL CONFORM TO AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. PRUNE TREES IN ACCORDANCE WITH NAA GUIDELINES. DO NOT TOP TREES. PRUNE SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES. ON CUTS OVER 3/4" IN DIAMETER AND BRUISES OR SCARS ON BARK, TRACE THE INJURED CAMBIUM LAYER BACK TO LIVING TISSUE AND REMOVE. SMOOTH AND SHAPE WOUNDS SO AS NOT TO RETAIN WATER AND COAT THE TREATED AREA WITH AN APPROVED ANTISEPTIC TREE PAINT.
14. CLEANUP: DISPOSED OF EXCESS SOIL. REMOVE ALL CUTTINGS AND WASTE MATERIALS. SOIL, BRANCHES, BINDING AND WRAPPING MATERIALS, REJECTED PLANTS, OR OTHER DEBRIS RESULTING FROM ANY PLANTING SHALL BE PROMPTLY CLEANED UP AND REMOVED. THE WORK AREA SHALL BE KEPT SAFE AND NEAT AT ALL TIMES UNTIL THE CLEANUP OPERATION IS COMPLETED. UNDER NO CONDITION SHALL THE ACCUMULATION OF SOIL, BRANCHES OR OTHER DEBRIS BE ALLOWED UPON A PUBLIC PROPERTY IN SUCH A MANNER AS TO RESULT IN A PUBLIC HAZARD. LIKEWISE, UNDER NO CIRCUMSTANCES SHALL ANY DEBRIS OR INCIDENTAL MATERIALS BE ALLOWED UPON ADJACENT PRIVATE PROPERTY.
15. MAINTENANCE: (CONTRACTOR) FOR ALL PLANTINGS, SEEDED AREAS AND SODDED LAWN AREAS. THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS AND LAWN AREAS FOR AT LEAST A PERIOD OF 60 DAYS, OR UNTIL FINAL ACCEPTANCE FROM THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY WATERING PLANTS AND LAWN/TURFGRASS DURING THIS 60 DAY ESTABLISHMENT PERIOD. CONTRACTOR IS RESPONSIBLE FOR THE ESTABLISHMENT OF HEALTHY VIGOROUS PLANT MATERIALS AND LAWN/TURFGRASS GROWTH. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRUNING OF PLANT MATERIALS, AND SHAPING AND/OR REPLACEMENT OF DEFICIENT BARK MULCH DURING THIS PERIOD. LONG TERM PLANT MATERIALS AND LAWN/TURFGRASS MAINTENANCE AND ANY PROGRAM FOR SUCH IS THE RESPONSIBILITY OF THE OWNER. ALL PLANTINGS AND LAWN/TURFGRASS AREAS SHALL BE MAINTAINED IN A MANICURED CONDITION.
16. MAINTENANCE: (OWNER) THE OWNER IS RESPONSIBLE FOR THE CONTINUED MAINTENANCE, REPAIR AND REPLACEMENT OF ALL LANDSCAPING MATERIALS AND WEED BARRIER FABRIC AS NECESSARY FOLLOWING THE ONE (1) YEAR CONTRACTOR GUARANTEE PERIOD.

LANDSCAPE PLANT LIST

QTY.	COMMON NAME	BOTANICAL NAME	SIZE	ROOT
OVERSTORY DECIDUOUS TREES				
2	Prairie Pride Common Hackberry	CELTIS occidentalis 'Prairie Pride'	2" Cal	B&B
2	Crimson King Maple	ACER platanoides 'Crimson King'	2" Cal.	B&B
1	Swamp White Oak	QUERCUS bicolor	2" Cal.	B&B
2	Sienna Glen Maple	ACER x freemanii 'Sienna' (PP11322)	2" Cal	B&B
TALL EVERGREEN TREES				
2	Black Hills Spruce	PICEA glauca var. densata	3-4' Ht	B&B
MEDIUM DECIDUOUS TREES				
4	Thornless Cockspur Hawthorn	CRATAEGUS crus-galli var. inermis	1 1/2" Cal.	B&B
2	Chanticleer Callery Pear	PYRUS Calleryana 'Chanticleer'	1 1/2" Cal.	B&B
LOW DECIDUOUS TREES				
5	Fox Valley Dwarf River Birch	BETULA nigra 'Little King'	4' Min. Ht	B&B
UPRIGHT EVERGREEN SHRUBS				
9	Iowa Juniper	JUNIPERUS chinensis 'Iowa'	3-4' Ht.	B&B
12	Techny Arborvitae	THUJA occidentalis 'Techny'	3-4' Ht.	B&B
8	Emerald Arborvitae	THUJA occidentalis 'Smaragd'	1-2' Ht.	B&B
TALL DECIDUOUS SHRUBS				
12	Pink Delight Butterfly Bush	BUDDLEJA davidii 'Pink Delight'	18 - 24" Min. Ht.	# 3 Cont
3	Redosier Dogwood	CORNUS sericea	18 - 24" Min. Ht.	# 3 Cont
MEDIUM DECIDUOUS SHRUBS				
13	Spring Red Compact Cranberrybush Vib.	VIBURNUM trilobum 'Spring Red'	15-18" Min. Ht.	# 3 Cont
7	Annabelle Hydrangea	HYDRANGEA arborescens 'Annabelle'	15-18" Min. Ht.	# 3 Cont
19	Isanti Dogwood	CORNUS sericea 'Isanti'	15-18" Min. Ht.	# 3 Cont
7	Variegated Red Twig Dogwood	CORNUS alba 'Elegantissima'	10 - 12" Min. Ht.	# 2 Cont
MEDIUM EVERGREEN SHRUBS				
10	Taunton Yew	TAXUS x media 'Taunton'	15-18" Min. Ht	# 3 Cont
12	Green Mountain Japanese Boxwood	BUXUS microphylla 'Green Mountain'	15-18" Min. Ht.	# 2 Cont
LOW DECIDUOUS SHRUBS				
14	Goldmound Spirea	SPIREA japonica 'Goldmound'	15-18" Min. Ht.	# 3 Cont
11	Gold Star Potentilla	POTENTILLA fruticosa 'Gold Star'	15-18" Min. Ht.	# 3 Cont
LOW EVERGREEN SHRUBS				
35	Blue Star Juniper	JUNIPERUS squamata 'Blue Star'	15" Min. Ht	# 3 Cont
PERENNIALS AND ORNAMENTAL GRASSES				
56	Korean Feather Reed Grass	CALAMAGROSTIS brachytricha	10 - 12" Ht.	# 1 Cont
6	Bridal Veil Astilbe	ASTILBE x arensii 'Bridal Veil'	10 - 12" Ht.	# 1 Cont
65	Pardon Me Daylily	HEMEROCALLIS 'Pardon Me'	10 - 12" Ht.	# 1 Cont
56	Prairie Dropseed	SPOROBOLOUS heterolepis	10 - 12" Ht	# 1 Cont
22	Flame Grass	MISCANTHUS purpurascens	10 - 12" Ht	# 1 Cont
39	Coral Bells Palace Purple	HEUCHERA micrantha var. diversifolia 'Palace Purple'	10 - 12" Ht.	# 1 Cont
6	Golden Creeping Jenny	LYSIMACHIA nummularia 'Aurea'	1 - 2" Ht.	# 1 Cont
9	Golden Sword Yucca	YUCCA filamentosa 'Golden Sword'	10 - 12" Ht	# 1 Cont
31	Pennsylvania Sedge	CAREX pensylvanica	32-cell flat	PLUG
28	Solomon's Seal	POLYGONATUM biflorum	10 - 12" Ht.	# 1 Cont
46	Cheddar Pink	DIANTHUS gratianopolitanus 'Feuerhexe'	10 - 12" Ht.	# 1 Cont

LANDSCAPE DETAILS, NOTES AND SPECIFICATIONS

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PROJECT #:

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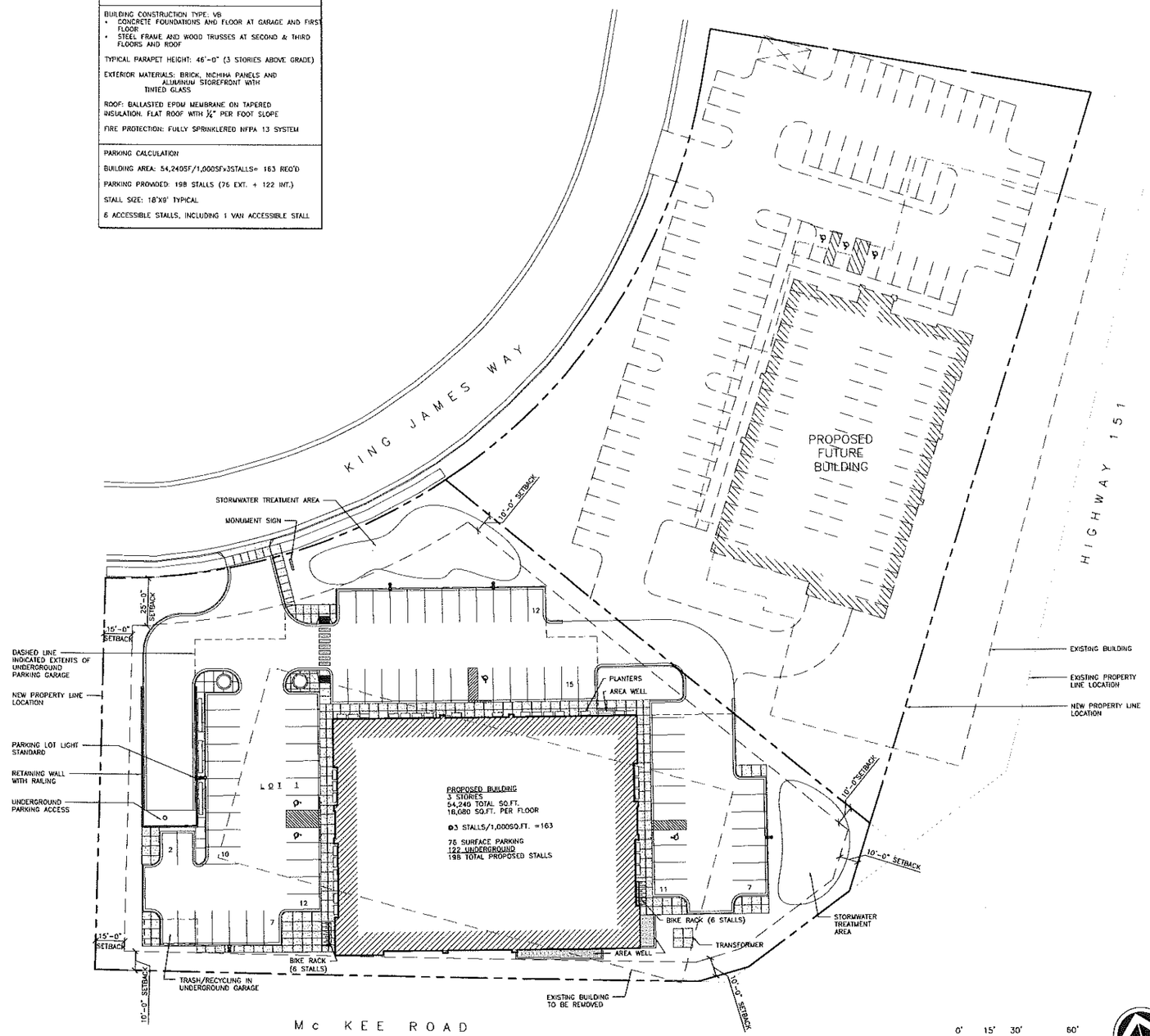
L-2.0

LOT 1 DATA
ZONED: B-G
LOT AREA: 1.765 ACRES
BUILDING FOOTPRINT: 18,080sq.ft.
IMPERVIOUS AREA: 21,675sq.ft.
OPEN SPACE: 55,200 sq.ft
ISR: .718 *REQUESTING VARIANCE
BUILDING CONSTRUCTION TYPE: VB • CONCRETE FOUNDATIONS AND FLOOR AT GARAGE AND FIRST FLOOR • STEEL FRAME AND WOOD TRUSSES AT SECOND & THIRD FLOORS AND ROOF
TYPICAL PARAPET HEIGHT: 46'-0" (3 STORIES ABOVE GRADE)
EXTERIOR MATERIALS: BRICK, NICHIHA PANELS AND ALUMINUM STOREFRONT WITH TINTED GLASS
ROOF: BALLASTED EPDM MEMBRANE ON TAPERED INSULATION. FLAT ROOF WITH ¼" PER FOOT SLOPE
FIRE PROTECTION: FULLY SPRINKLERED NFPA 13 SYSTEM
PARKING CALCULATION
BUILDING AREA: 54,240SF/1,000SF x 3STALLS= 163 REQ'D
PARKING PROVIDED: 198 STALLS (76 EXT. + 122 INT.)
STALL SIZE: 18'X9' TYPICAL
6 ACCESSIBLE STALLS, INCLUDING 1 VAN ACCESSIBLE STALL



1 A100 SITE PLAN
SCALE: 1" = 30'-0"

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ISSUE DATES:
PLAN COMMISSION: 08-18-15

RFI/SI DATE:

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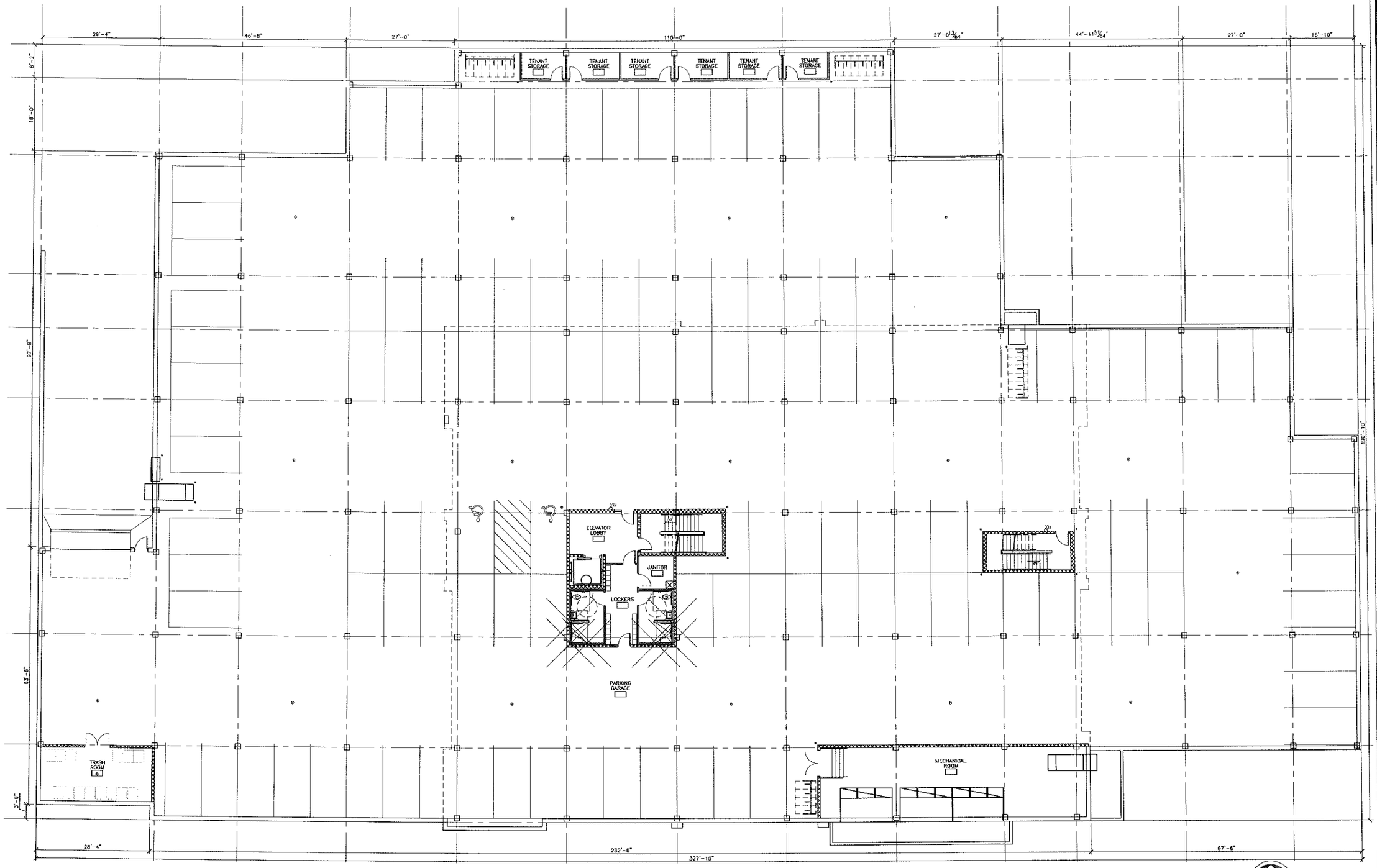

1 A200 BASEMENT FLOOR PLAN
SCALE: 3/32" = 1'-0"

NORTH

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Schematic Design Phase:

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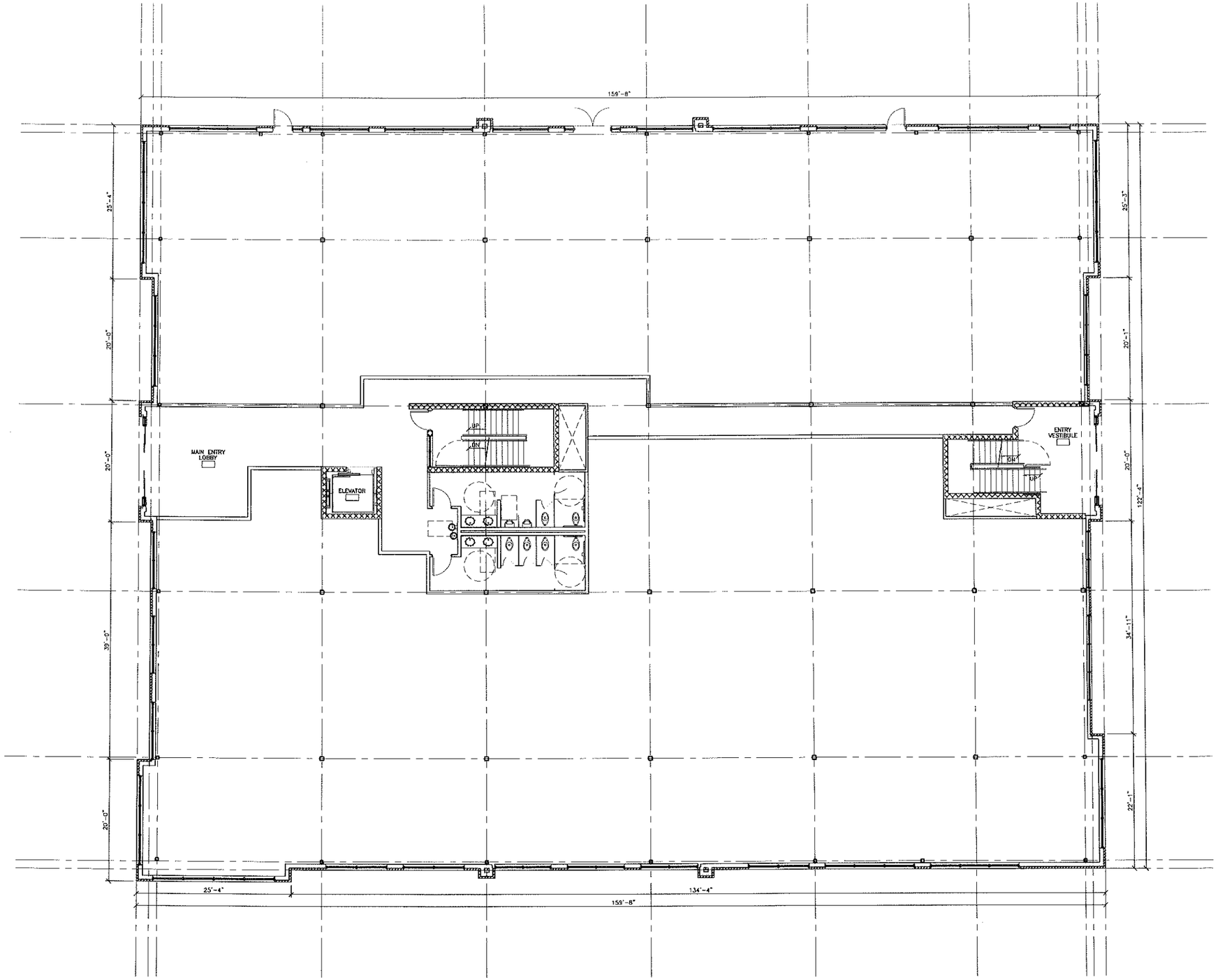

1 A201 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'
1/8" = 1'-0"

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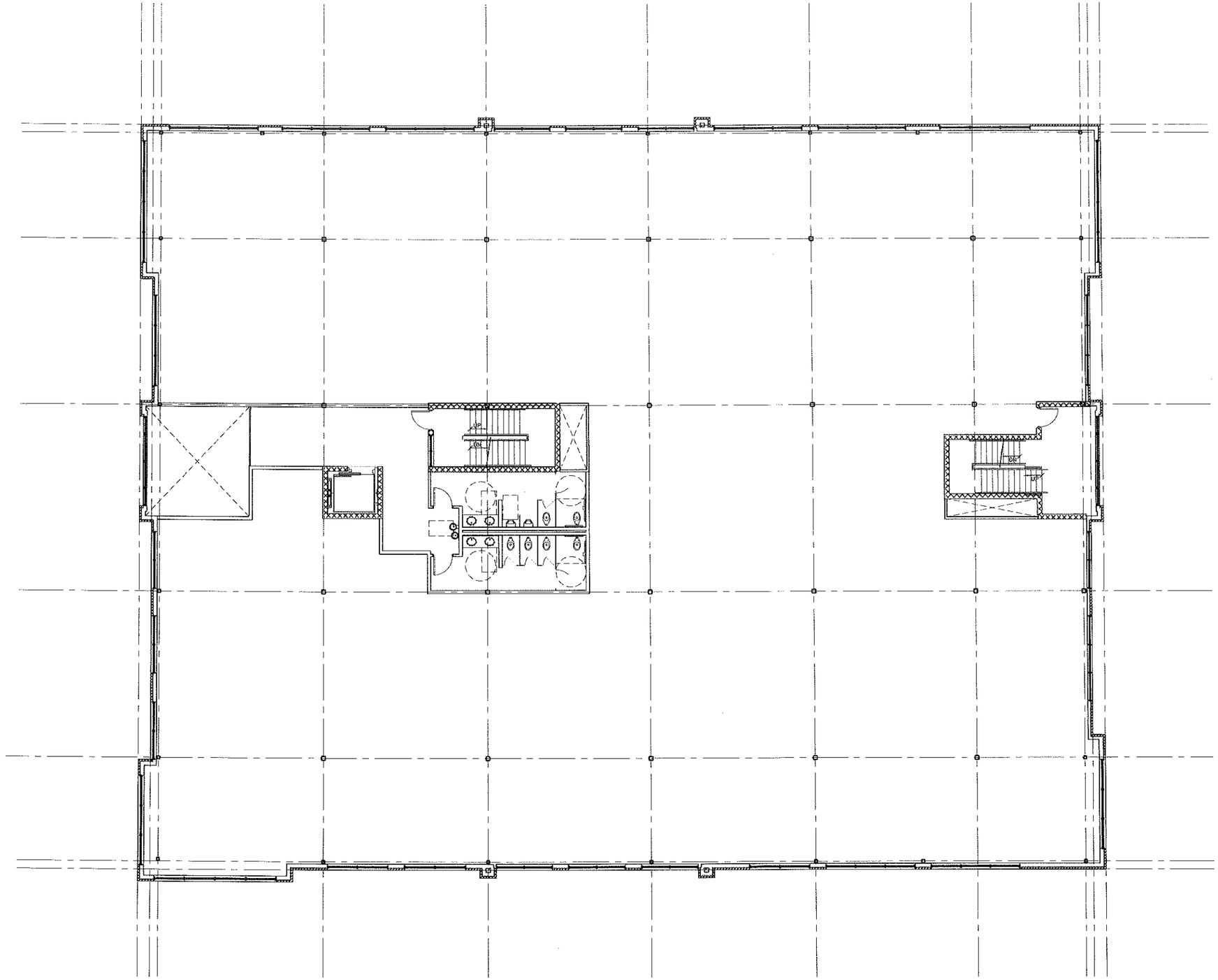

1 A202 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'
1/8" = 1'-0"

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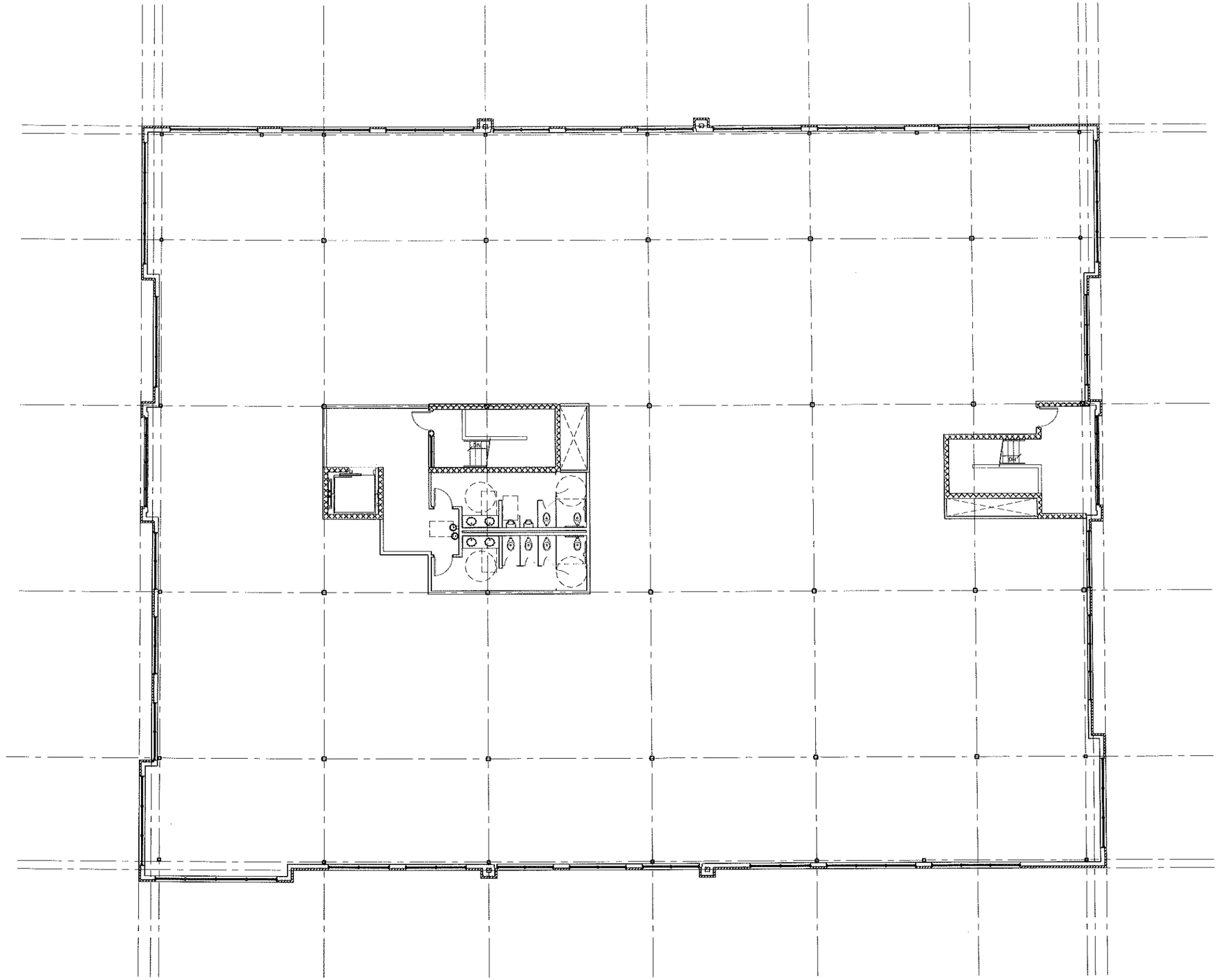

1 A203 THIRD FLOOR PLAN
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'
1/8" = 1'-0"

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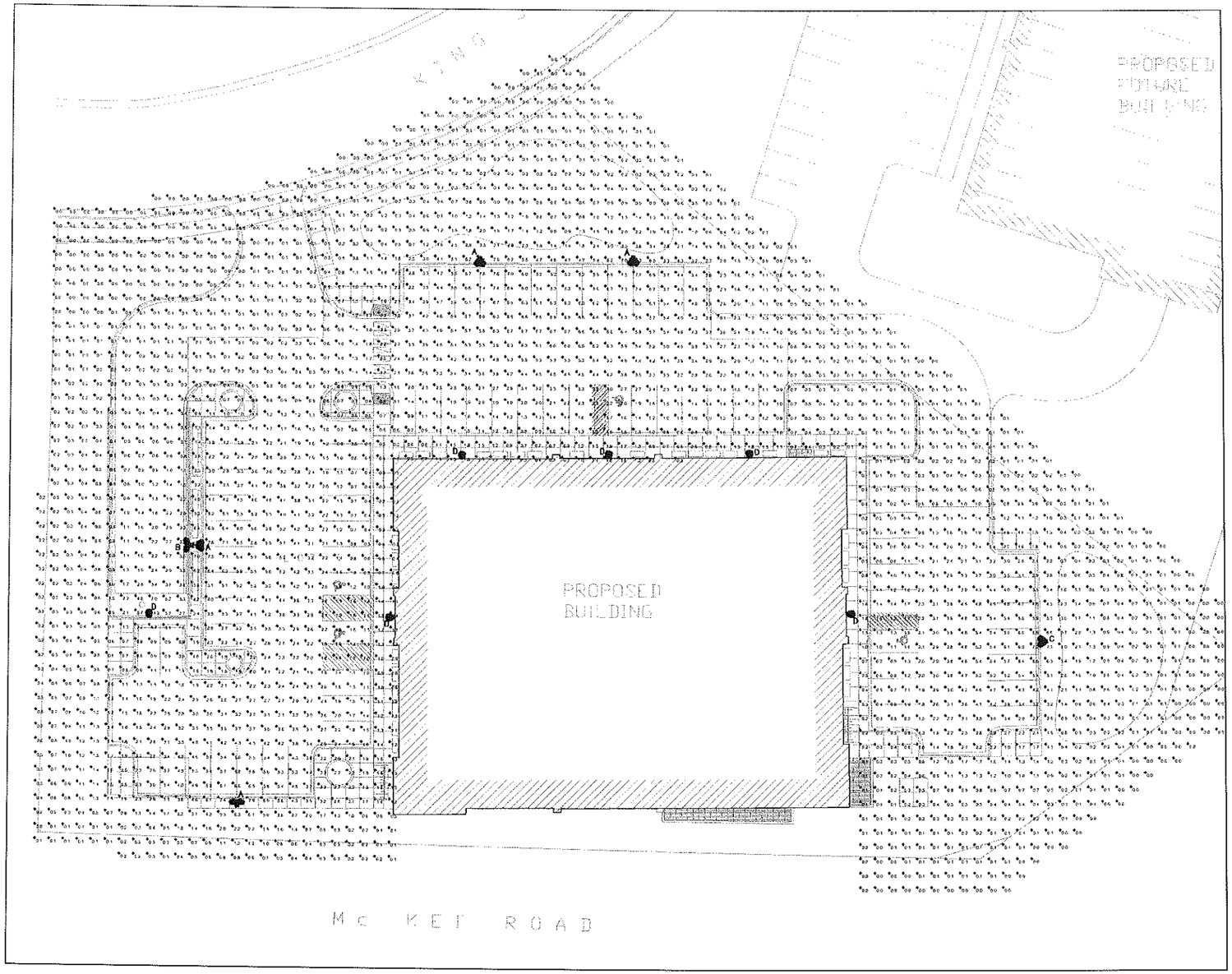
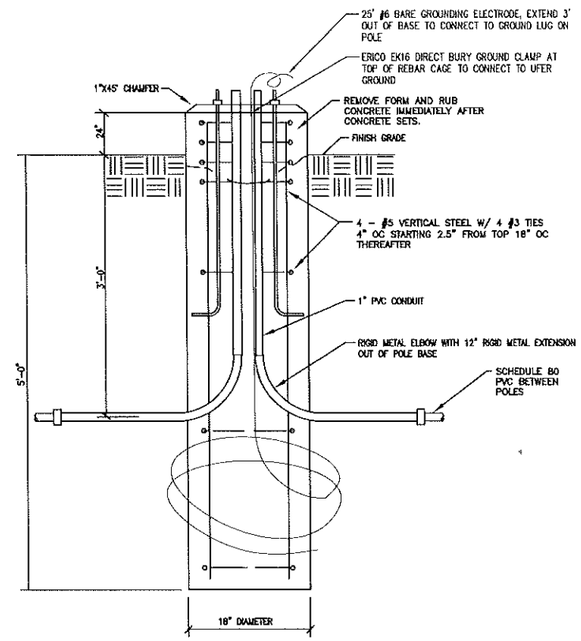


1 E100 SITE LIGHTING PHOTOMETRICS
SCALE: 1" = 20'-0"

NORTH



2 E100 POLE BASE DETAIL
SCALE: NOT TO SCALE

EXTERIOR LIGHTING POWER CALCULATION

BUILDING TYPE: OFFICE ZONE: 3

Description	Code		Area (SF) Length (LF)	Allowable (W)	Light Fixtures							
					ID	# Fixtures	Watts /Fixture	Total Watts	ID	# Fixtures	Watts /Fixture	Total Watts
PARKING LOT & DRIVES	0.1000	W/SF	35,828	3583	A	4	227	908	B	1	35	35
MAIN ENTRY	6	W/LF	6	36	C	1	227	227	D	5	12	60
OTHER DOORS	12	W/LF	45	540	–	0	0	0	–	0	0	0
SIDEWALK	0.8	W/LF	568	454								
PLAZA	0.16	W/SF	385	62								
TOTALS	LIGHTING ALLOWANCE			4675	DESIGN TOTAL			1230				
	4675	>	1230	EXTERIOR COMPLIES WITH THE ENERGY CODE								

LIGHT FIXTURE SCHEDULE

ID	Description	Size	Manufacturer	Model #	Voltage	Lamps	Mounting	Remarks
A	LED POST MOUNTED AREA LIGHT ON CONCRETE BASE	40"x15"	LITHONIA	DSX2 LED 80C 700 40K TFTM MVOLT SPA HS DNAXD	120	LED, 4000K, 227W, 19,071L,	20' SQUARE ALUMINUM POLE, LITHONIA SSA 20-6C DNTBAS FBC DNA	FIXTURE & POLE COLOR: NATURAL ALUMINUM
B	LED POST MOUNTED AREA LIGHT ON CONCRETE BASE	40"x15"	LITHONIA	DSX0 LED 20C 530 40K T3S MVOLT DNAXD	120	LED, 4000K, 35W, 8,604L,	20' SQUARE ALUMINUM POLE, LITHONIA SSA 20-6C DNTBAS FBC DNA	FIXTURE & POLE COLOR: NATURAL ALUMINUM
C	LED POST MOUNTED AREA LIGHT ON CONCRETE BASE	40"x15"	LITHONIA	DSX2 LED 100C 700 40K T3M MVOLT HS DNAXD	120	LED, 4000K, 227W, 23088L,	20' SQUARE ALUMINUM POLE, LITHONIA SSA 20-6C DNTBAS FBC DNA	FIXTURE & POLE COLOR: NATURAL ALUMINUM
D	LED WALL MOUNTED AREA LIGHT	3.9"x8.5"x8.75"	RAB	SLIM12	120	LED, 4000K, 12W, 1,372L	WALL, SEE BUILDING ELEVATIONS	CUSTOM COLOR: NATURAL ALUMINUM

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