

APPLICATION FOR
URBAN DESIGN COMMISSION
REVIEW AND APPROVAL

AGENDA ITEM # 7
Project # 10-75-06
01758

DATE SUBMITTED: <u>10-11-06</u>	Action Requested
UDC MEETING DATE: <u>10-18-06</u>	<input type="checkbox"/> Informational Presentation
	<input checked="" type="checkbox"/> Initial Approval and/or Recommendation
	<input checked="" type="checkbox"/> Final Approval and/or Recommendation

PROJECT ADDRESS: 1610 Gilson Street

ALDERMANIC DISTRICT: ISADORE Knox

OWNER/DEVELOPER (Partners and/or Principals) ARCHITECT/DESIGNER/OR AGENT:
BESHM Investment Group, LLC Bauril Design Studio
1610 GILSON STREET 6602 Grand Teton Plaza #150
MADISON, WI 53715 Madison, WI 53719 833-3400

CONTACT PERSON: Clarence Brown
Address: 1610 Gilson Street
Phone: 608-250-0099
Fax: _____
E-mail address: banksdevelopment@yahoo.com

TYPE OF PROJECT:

(See Section A for:)

- Planned Unit Development (PUD)
 General Development Plan (GDP)
 Specific Implementation Plan (SIP)
 Planned Community Development (PCD)
 General Development Plan (GDP)
 Specific Implementation Plan (SIP)
 Planned Residential Development (PRD)
 New Construction or Exterior Remodeling in an Urban Design District * (A public hearing is required as well as a fee)
 School, Public Building or Space (Fee may be required)
 New Construction or Addition to or Remodeling of a Retail, Hotel or Motel Building Exceeding 40,000 Sq. Ft.
 Planned Commercial Site

(See Section B for:)

- New Construction or Exterior Remodeling in C4 District (Fee required)

(See Section C for:)

- R.P.S.M. Parking Variance (Fee required)

(See Section D for:)

- Comprehensive Design Review* (Fee required)
 Street Graphics Variance* (Fee required)
 Other _____

*Public Hearing Required (Submission Deadline 3 Weeks in Advance of Meeting Date)

Where fees are required (as noted above) they apply with the first submittal for either initial or final approval of a project.

LEGAL DESCRIPTION:
 PART OF LOTS 9 AND 10 AND ALL OF LOTS 11, 12 AND 13, BLOCK SEVEN WOODLAWN, RECORDED IN VOLUME 2, PAGE 25, DOCUMENT NUMBER 237891A, DANE COUNTY REGISTRY. LOCATED IN THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 07 NORTH, RANGE 09 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN.

ASSUMED NORTH
 BEARINGS ARE BASED UPON
 THE EAST LINE OF LOT 6,
 BLOCK 7 ASSUMED TO BE
 N 41°02'00" E

THE DESIGN REPRESENTED BY THESE DRAWINGS IS THE PROPERTY OF BOURILL DESIGN STUDIO, LLC. THESE DRAWINGS, WHETHER PRINTED OR IN ELECTRONIC FORM, ARE NOT TO BE REPRODUCED IN ANY FORM WITHOUT THE WRITTEN CONSENT OF BOURILL DESIGN STUDIO, LLC OF MADISON, WISCONSIN.

CONCEPT DESIGN
 NOT FOR CONSTRUCTION

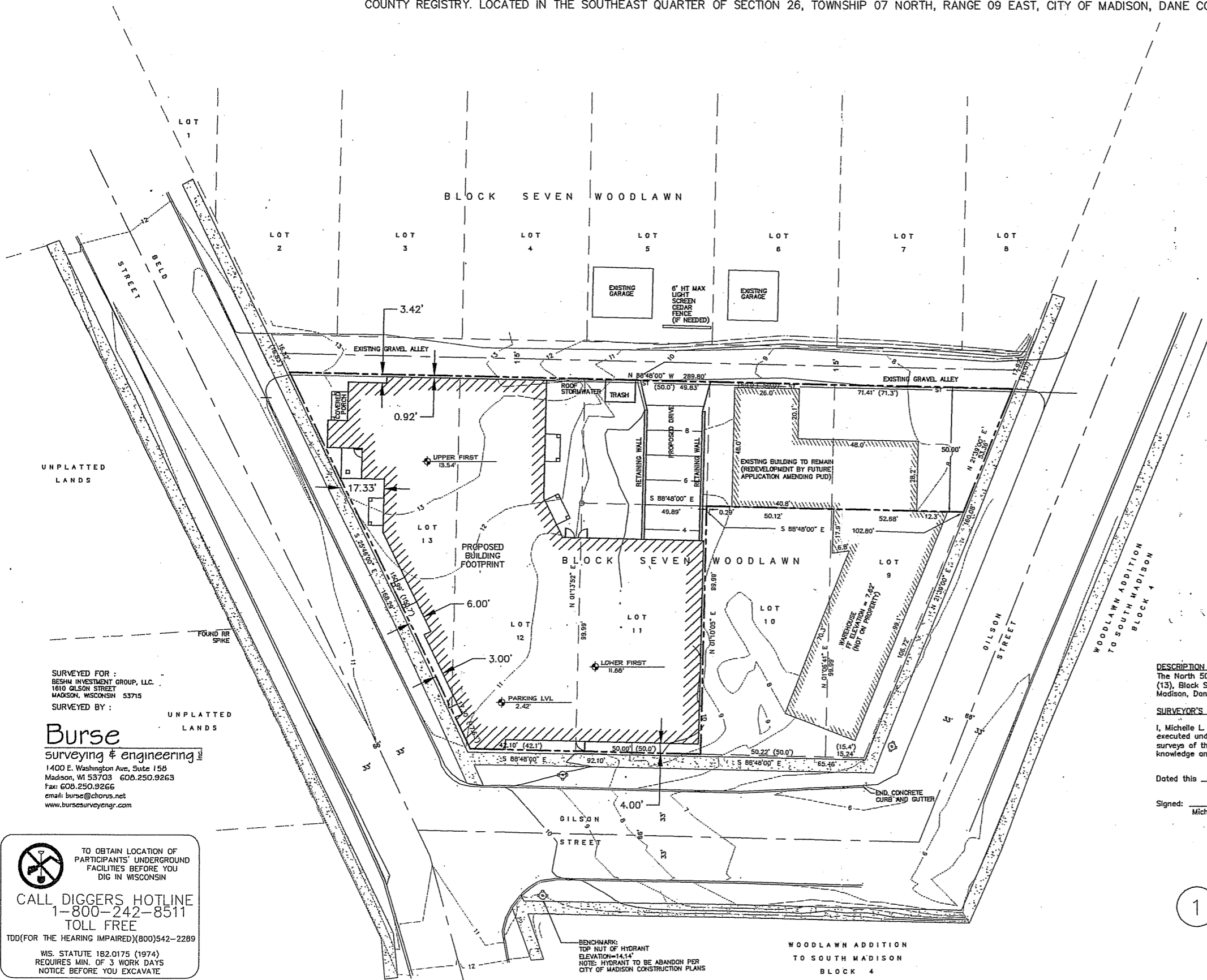
Bourill Design Studio, LLC
 2002 Grand Tower Plaza, #100, Madison, WI 53718-0001
 Phone: (608) 233-3007 Fax: (608) 233-3488
 Email: bourill@bourilldesign.com

GILSON STREET DEVELOPMENT
 BESHM INVESTMENT GROUP, LLC
 1610 GILSON STREET
 MADISON, WISCONSIN, 53715

NOTES:

- 1) Except as specifically stated or shown on this plot, this survey does not purport to reflect any of the following which may be applicable to the subject real estate: easements, other than possible visible easements at the time of this survey; building setback lines; restrictive covenants; subdivision restrictions; zoning or other land use regulations; and any other facts that an accurate and current title search may disclose.
- 2) No attempt has been made as a part of this boundary survey to obtain or show data concerning existence, size, depth, condition, capacity, or location of any utility or municipal/public service facility. For information regarding these utilities or facilities, please contact the appropriate agencies.
- 3) Dates of field work: April 25 & 26, 2006
- 4) Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence, or any other facts that an accurate and current title search may disclose.
- 5) All buildings, and surface and subsurface improvements on and adjacent to the site are not necessarily shown hereon.
- 6) All trees, hedges and ground cover on the site may not necessarily be shown hereon.
- 7) Area is approximately 25,137 square feet or 0.5771 acres.
- 8) The plot of Block Seven Woodlawn (Document Number 237891A) is a replat of Block 7 in the plot of Woodlawn Addition to South Madison (Document Number 223816). Lot numbers refer to the plot of Block Seven Woodlawn (Document Number 237891A).

----- EXISTING PROPERTY LINE



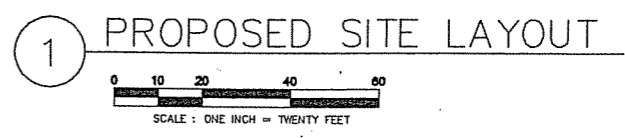
DESCRIPTION FURNISHED:
 The North 50 feet of Lots Nine (9) and Ten (10), and all of Lots Eleven (11) Twelve (12) and Thirteen (13), Block Seven (7), Woodlawn (also known as Woodlawn Addition to South Madison), in the City of Madison, Dane County, Wisconsin.

SURVEYOR'S CERTIFICATE:

I, Michelle L. Burse, Registered Land Surveyor, No. 2020, hereby certify that the foregoing survey was executed under my direction and control, and that said survey meets the minimum standards for property surveys of the Wisconsin Administrative Code (A-E7), and the map hereon is correct to the best of my knowledge and belief.

Dated this _____ day of _____, 200__

Signed: Michelle L. Burse, R.L.S. No. 2020



SURVEYED FOR :
 BESHM INVESTMENT GROUP, LLC.
 1610 GILSON STREET
 MADISON, WISCONSIN 53715
 SURVEYED BY :

Burse
 surveying & engineering llc
 1400 E. Washington Ave, Suite 158
 Madison, WI 53703 608.250.9263
 Fax: 608.250.9266
 email: burse@chorus.net
 www.bursesurveyengr.com

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
 CALL DIGGERS HOTLINE
 1-800-242-8511
 TOLL FREE
 TDD(FOR THE HEARING IMPAIRED)(800)542-2289
 WIS. STATUTE 182.0175 (1974)
 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

BENCHMARK:
 TOP NUT OF HYDRANT
 ELEVATION=14.14'
 NOTE: HYDRANT TO BE ABANDON PER CITY OF MADISON CONSTRUCTION PLANS

WOODLAWN ADDITION
 TO SOUTH MADISON
 BLOCK 4

REVISIONS	
DATE	ISSUE

PROJECT NO
 06-47

DATE
 OCTOBER 10, 2006

DRAWN BY


SW

2

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CONCEPT
DESIGN
NOT FOR CONSTRUCTION

Bourill Design Studio, LLC
 6000 Grand Island Place, #100, Madison, WI 53718-1001
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 Email: bourill@bourilldesign.com



GILSON STREET DEVELOPMENT
 BESHM INVESTMENT GROUP, LLC
 1610 GILSON STREET
 MADISON, WISCONSIN, 53715

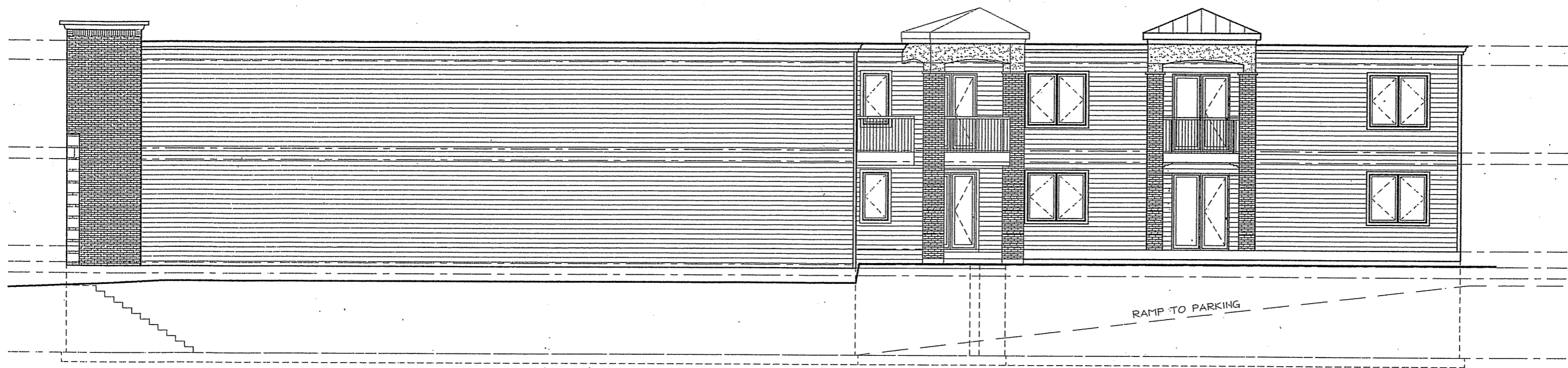
REVISIONS		
NO.	DATE	ISSUE

PROJECT NO
06-47

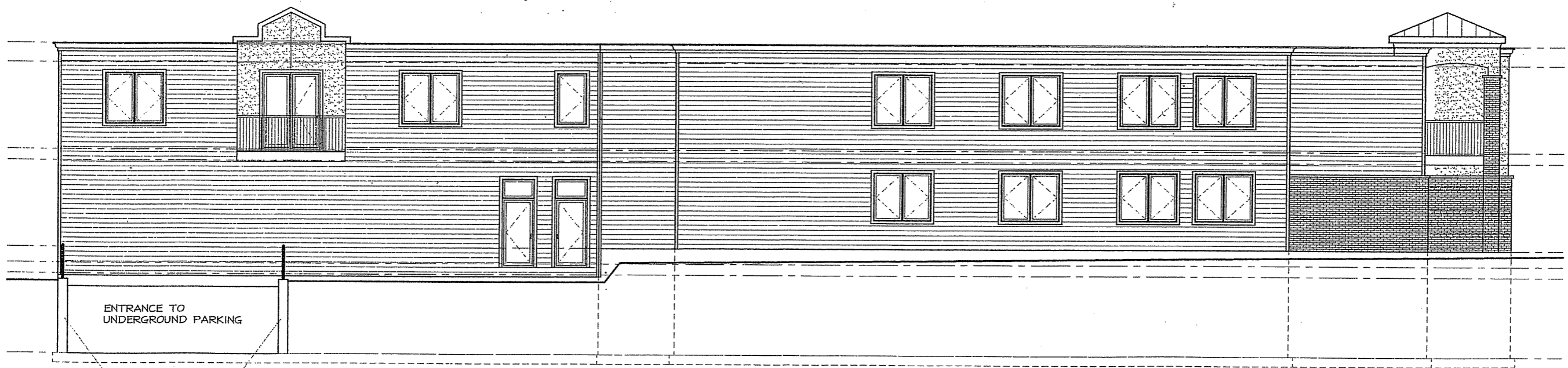
DATE
OCTOBER 10, 2006

DRAWN BY

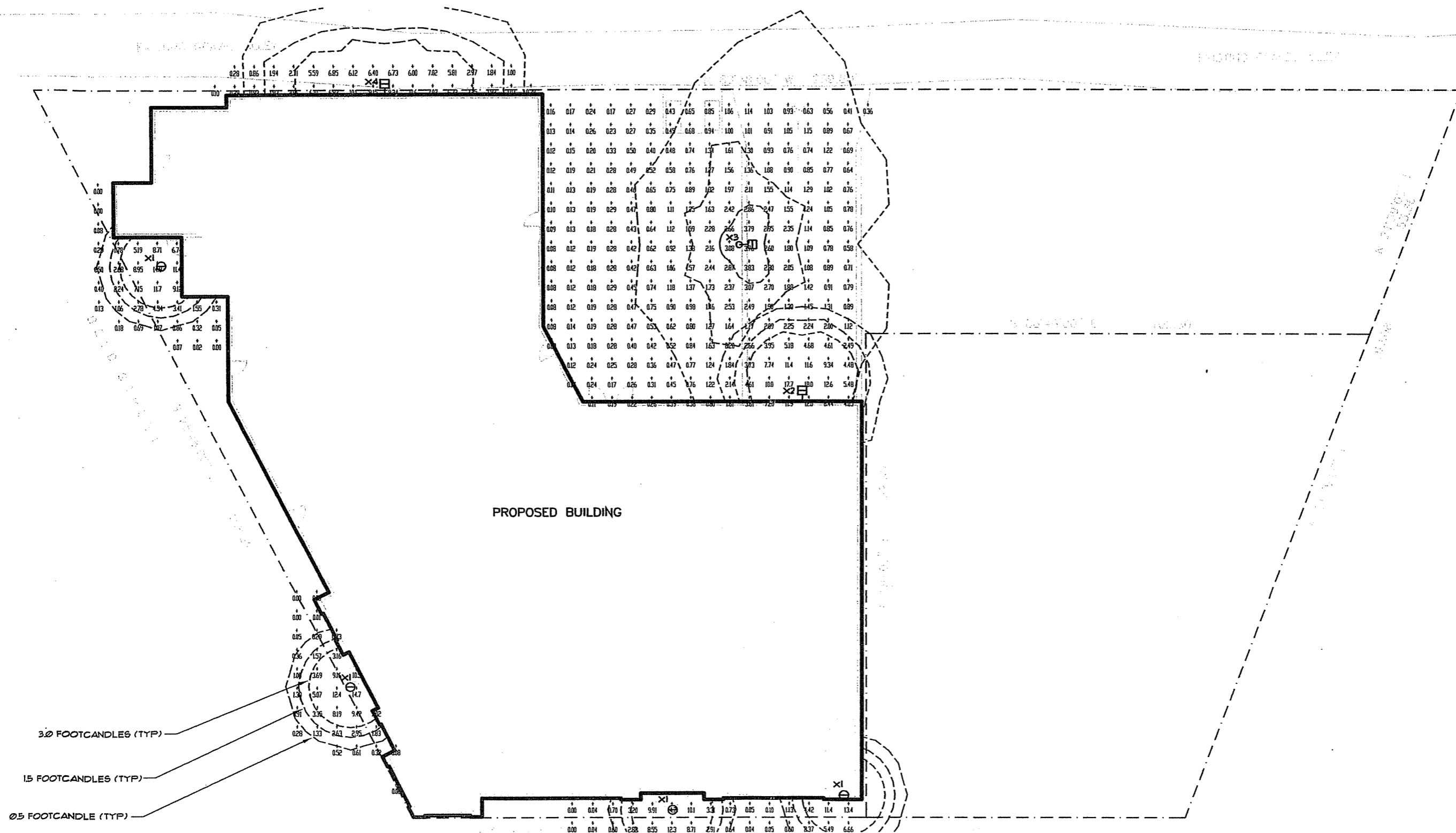
A
6



① EAST ELEVATION
3/16"=1'-0"



② NORTH ELEVATION
3/16"=1'-0"



BOURIL/GILSON ST (H6) LUMINAIRE SCHEDULE							
TYP	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING/BALLAST	LLF	QTY
X1	⊖	GOTHAM 50M RECESS CAN (1) "A" 50M 6AR CAN	(1) MP50/C/U/MED	3500	MTD IN SOFFIT	0.90	4
X2	⊞	LITHONIA LIGHT1 WST 100M MD (1) "B" 100MH MD	(1) MP100/C/U/MED	7900	WALL-MTD @ 10'	0.90	1
X3	⊞	LITHONIA LIGHT1 ASI 100M SR2 (1) "C" ASI 100M SR2	(1) MXR100/U/MED	9000	15' POLE 2" CONC. BASE	0.90	1
X4	⊞	LITHONIA LIGHT1 WST 100M WT (1) "D" 100M WT	(1) MP100/U/MED	8500	WALL-MTD @ 10'	0.90	1

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CALCULATION SUMMARY										
AREA NAME	DIMENSIONS	GRID / TYPE	# PTS	SPAC	GROUP	AVE	MAX	MIN	MAX/MIN	AVE/MIN
Area 1	299.30x183.60ft	ROADWAY / H-H	382	4.00	<+>	2.3	18.0	0.0	N/A	N/A

SITE LIGHTING ILLUMINATION PLAN - ROADWAY

1" = 10' - 0"



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 E-MAIL: hain@heingr.com

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GILSON STREET DEVELOPMENT
 BESHM INVESTMENT GROUP, LLC
 1610 GILSON STREET
 MADISON, WISCONSIN, 53715

PROJECT NO
0541

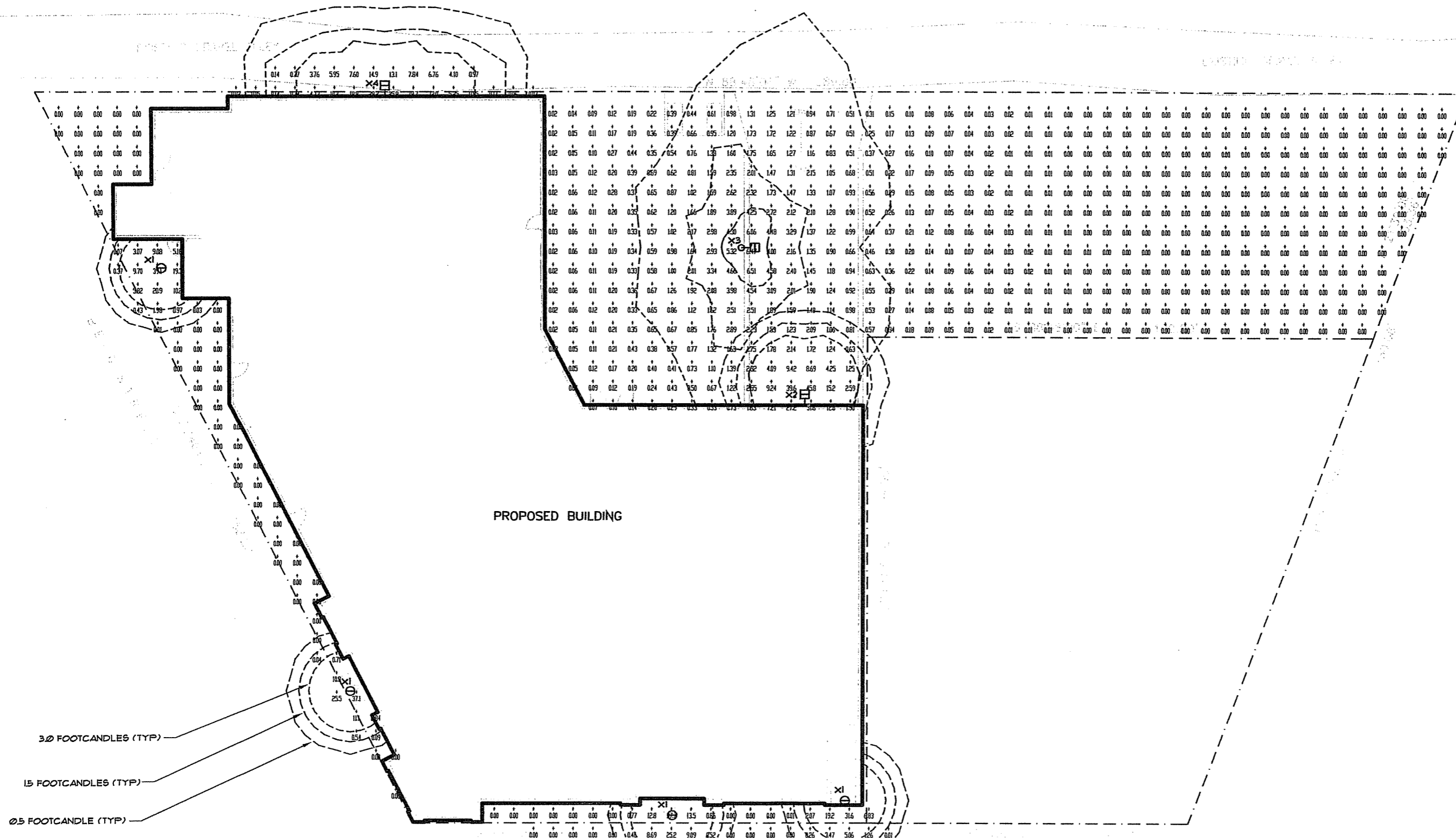
DATE
10-11-06

DRAWN BY
DAB

REVIEWED BY
MH

SL

1



PROPOSED BUILDING

- 3.0 FOOTCANDLES (TYP)
- 1.5 FOOTCANDLES (TYP)
- 0.5 FOOTCANDLE (TYP)

BOURIL/GILSON ST (46) LUMINAIRE SCHEDULE							
TYP	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING/BALLAST	LLF	QTY
X1	⊖	GOTHAM 50M RECESS CAN (1) "A" 50M 6AR CAN	(1) MP50/C/U/MED	3500	MTD IN SOFFIT	0.90	4
X2	⊞	LITHONIA LIGHTI WST 100M MD (1) "B" 100MH MD	(1) MP100/C/U/MED	7900	WALL-MTD @ 10'	0.90	1
X3	⊞	LITHONIA LIGHTI ASI 100M SR2 (1) "C" ASI 100M SR2	(1) MXR100/U/MED	9000	15' POLE 2' CONC. BASE	0.90	1
X4	⊞	LITHONIA LIGHTI WST 100M WT (1) "D" 100M WT	(1) MP100/U/MED	8500	WALL-MTD @ 10'	0.90	1

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CALCULATION SUMMARY										
AREA NAME	DIMENSIONS	GRID / TYPE	# PTS	SPAC	GROUP	AVE	MAX	MIN	MAX/MIN	AVE/MIN
Area 1	299.30x183.60ft	PROPERTY / H-H	742	4.00	<+>	1.5	45.8	0.0	N/A	N/A

SITE LIGHTING ILLUMINATION PLAN - PROPERTY

1" = 10' - 0"



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GILSON STREET DEVELOPMENT
 BESHM INVESTMENT GROUP, LLC
 1610 GILSON STREET
 MADISON, WISCONSIN, 53715

PROJECT NO
 0547

DATE
 10-11-02

DRAWN BY
 DAB

REVIEWED BY
 MH

SL

2

FEATURES

OPTICAL

- Reflector – Self-flanged, specular clear or semi-diffuse reflector. Bounding Ray Optical Principle design provides lamp before lamp image and smooth transition from top of reflector to bottom. Minimum flange matches reflector finish. White painted flange optional.
- Baffle/cone – Specular clear upper reflector. Microgroove baffle with white painted flange or specular black cone with flange that matches cone finish.
- 1/8" tempered clear or prismatic glass lens.

MECHANICAL

- 16-gauge galvanized steel mounting/plaster frame with friction support springs to retain optical system. Accommodates up to 7/8" thick ceiling standard. See Accessories for increased ceiling thickness capability.
- Mounting bars are 16-gauge galvanized steel with continuous 4" vertical adjustment, held in place with tool-less, cam-action locking system. Post installation adjustment possible without the use of tools from above or below the ceiling. Shipped pre-installed.
- Galvanized steel junction box with bottom-hinged access covers and spring latches. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.

ELECTRICAL SYSTEM

- Die-cast aluminum lampholder housing. Designed for effective heat dissipation and positive light center positioning.
- Medium-base porcelain socket with nickel-plated screw shell. Extended porcelain socket for "open fixture" rated metal halide lamps.
- Prewired, encased-and-potted, 120/277V or 120/347V ballast tray module. Module can be attached before or after mounting of mounting/plaster frame.
- Thermally-activated insulation detector.

LISTING

- Fixtures are UL Listed for thru-branch wiring, recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards (see Options).

ENERGY

LER.DOL	Annual Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
35	\$6.90	(1) 100W MHC	8700	1.00	125

Calculated in accordance with NEMA standard LE-5.

ORDERING INFORMATION

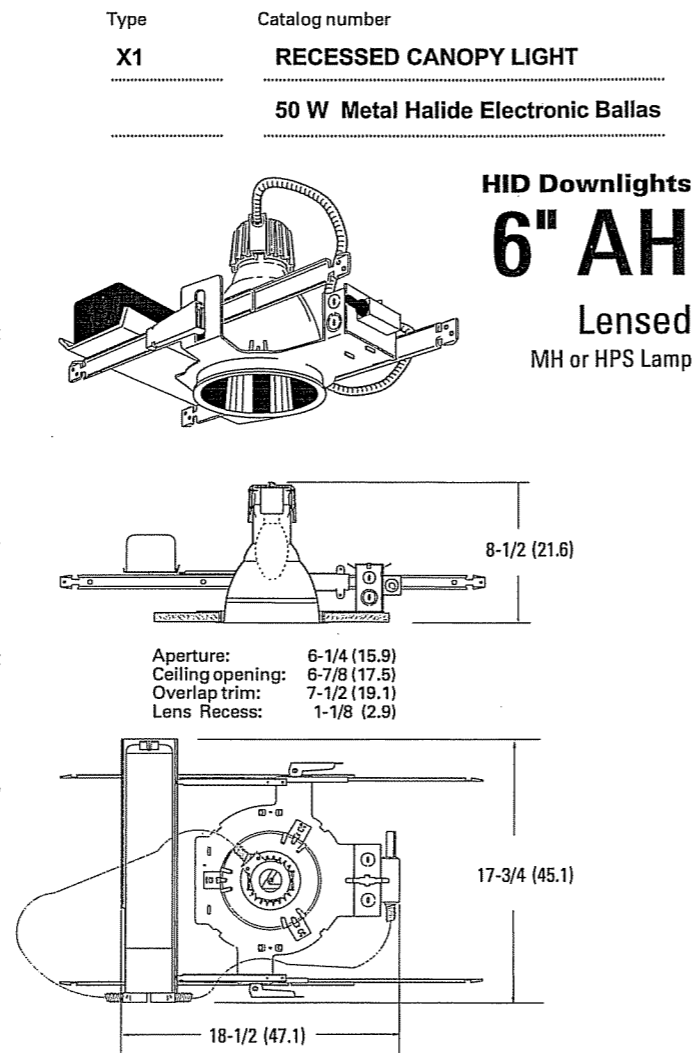
Example: AH100M6BC CGL120

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

Series	AH	50M	6AR	Finish	T73	120	SF - HEB
	Reflector Type	Finish	Lens Type ³	Voltage	Options		
AH	6AR Clear	(blank)	Specular	CGL Safety Glass	120	WLP	With lamp (shipped separately).
Wattage/Lamp	6PR Pewter		low	T73 Tempered	277	TRW	White painted flange. (Standard with 6MB.)
Metal Halide	6WTR Wheat	LD	iridescent	Prismatic Lens	347	LRC ⁴	Provides compatibility with Lithonia RelocSystem.
50M MP50/C/U/MED	6UBR Umber		Semi-diffuse			QRS ⁵	Quartz restrike system (uses maximum 100W DC base quartz lamp by others).
70M MP70/C/U/MED	6CR Champagne		low			QRSTD ⁶	Quartz restrike system with time delay. Operates like QRS, except quartz lamp remains on for two minutes after HID lamp restrikes.
100M MP100/C/U/MED	6GR Gold		iridescent			EC ⁷	Emergency circuit (DC socket with leads for connection to external emergency power source; maximum 100W lamp).
Color Corrected Metal Halide ¹	6MB ² Black Baffle					SF	Single fuse.
50MHC MPC50/C/MED	6BC ² Black Cone					CSA	Listed and labeled to comply with Canadian Standards.
70MHC MPC70/C/MED						HEB	Electronic ballast.
100MHC MPC100/C/MED							
High Pressure Sodium							
50S LU50/D/MED							
70S LU70/D/MED							
100S LU100/D/MED							

NOTES

- 1 Ceramic arc tube consistent-color lamp. Philips MasterColor or GE ConstantColor.
- 2 Not available with finishes.
- 3 Provided with lampholder for enclosed metal halide lamp.
- 4 For compatible Reloc systems, refer to options and accessories tab.
- 5 Not available with EC or QRSTD.
- 6 Not available with QRS or EC.
- 7 Not available with QRS or QRSTD.



All dimensions are inches (centimeters).

6" AH Lensed

Distribution curve Distribution data Output data Coefficient of utilization Illuminance Data at 30" Above Floor for a Single Luminaire

AH 70M 6AR CGL, (1) MP70/C/U/MED lamp, 4800 rated lumens, 1.1 s/mh, test no. LTL8007

From 0°	cp.	Lumens	Zone	Lumens	%lamp	pf	20%					50%		10%				
							pc	pw	50%	30%	50%	30%	50%	30%	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
0°	2122	0	0°-30°	1523	31.7	1	67	65	66	64	63	62	8'	70.1	6.0'	35.1	11.4'	7.0
5°	2111	199	0°-40°	2267	47.2	2	61	59	60	58	58	56	10'	37.7	8.1'	18.9	15.6'	3.8
15°	1934	547	0°-60°	2925	60.9	3	56	53	55	52	54	51	12'	23.5	10.3'	11.8	19.7'	2.4
25°	1701	777	0°-90°	2928	61.0	4	52	48	51	47	50	47	14'	16.0	12.5'	8.0	23.8'	1.6
35°	1195	744	90°-180°	0	0.0	5	48	44	47	43	46	43	16'	11.6	14.6'	5.8	28.0'	1.2
45°	684	518	0°-180°	2928	61.0*	6	44	40	43	40	43	39						
55°	121	140				7	41	37	40	36	39	36						
65°	2	3				8	38	34	37	33	37	33						
75°	0	0				9	35	31	35	31	34	31						
85°	0	0				10	33	29	33	29	32	29						
90°	0	0																

AH 70MHC 6AR CGL, (1) MPC70/C/U/MED lamp, 5800 rated lumens, 1.3 s/mh, test no. LTL8009

From 0°	cp.	Lumens	Zone	Lumens	%lamp	pf	20%					50%		10%				
							pc	pw	50%	30%	50%	30%	50%	30%	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
0°	2121	0	0°-30°	1778	30.6	1	69	67	67	66	65	64	8'	70.1	6.8'	35.1	12.3'	7.0
5°	2194	213	0°-40°	2732	47.1	2	63	60	62	59	60	57	10'	37.7	9.3'	18.9	16.8'	3.8
15°	2219	627	0°-60°	3639	62.7	3	58	54	57	53	55	52	12'	23.5	11.8'	11.8	21.3'	2.4
25°	2057	937	0°-90°	3645	62.8	4	53	49	52	48	51	47	14'	16.0	14.3'	8.0	25.8'	1.6
35°	1536	955	90°-180°	0	0.0	5	48	44	48	44	47	43	16'	11.6	16.8'	5.8	30.3'	1.2
45°	922	700	0°-180°	3645	62.8*	6	45	40	44	40	43	39						
55°	188	207				7	41	37	41	36	40	36						
65°	4	5				8	38	34	38	33	37	33						
75°	1	1				9	35	31	35	31	34	31						
85°	1	0				10	33	29	33	29	32	28						
90°	0	0																

AH 100MHC 6AR CGL, (1) MPC100/C/U/MED lamp, 8700 rated lumens, 1.2 s/mh, test no. LTL8008

From 0°	cp.	Lumens	Zone	Lumens	%lamp	pf	20%					50%		10%				
							pc	pw	50%	30%	50%	30%	50%	30%	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
0°	3433	0	0°-30°	2674	30.7	1	68	66	66	65	64	62	8'	113.5	6.5'	56.7	11.9'	11.3
5°	3483	333	0°-40°	4065	46.7	2	62	59	61	58	59	57	10'	61.0	8.8'	30.5	16.3'	6.1
15°	3376	953	0°-60°	5355	61.5	3	57	53	56	52	54	51	12'	38.0	11.1'	19.0	20.6'	3.8
25°	3036	1388	0°-90°	5365	61.7	4	52	48	51	47	50	47	14'	26.0	13.5'	13.0	24.9'	2.6
35°	2241	1391	90°-180°	0	0.0	5	48	43	47	43	46	42	16'	18.8	15.8'	9.4	29.2'	1.9
45°	1307	995	0°-180°	5365	61.7*	6	44	40	43	39	42	39						
55°	274	295				7	41	36	40	36	39	36						
65°	6	8				8	38	33	37	33	36	33						
75°	2	2				9	35	31	35	31	34	30						
85°	0	0				10	33	28	32	28	32	28						
90°	0	0																

AH 70MHC 6MB CGL, (1) MPC70/C/U/MED lamp, 5800 rated lumens, 1.5 s/mh, test no. LTL8040

From 0°	cp.	Lumens	Zone	Lumens	%lamp	pf	20%					50%		10%				
							pc	pw	50%	30%	50%	30%	50%	30%	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
0°	1202	0	0°-30°	1329	22.9	1	54	53	53	52	51	50	8'	39.7	8.2'	19.9	12.9'	4.0
5°	1250	122	0°-40°	2128	36.7	2	50	47	49	46	47	45	10'	21.4	11.2'	10.7	17.7'	2.1
15°	1471	427	0°-60°	2867	49.4	3	45	42	44	42	43	41	12'	13.3	14.2'	6.7	22.4'	1.3
25°	1734	781	0°-90°	2888	49.8	4	41	38	41	37	39	37	14'	9.1	17.2'	4.5	27.1'	0.9
35°	1290	799	90°-180°	0	0.0	5	38	34	37	34	36	33	16'	6.6	20.2'	3.3	31.8'	0.7
45°	696	536	0°-180°	2888	49.8*	6	34	31	34	31	33	30						
55°	216	202				7	32	28	31	28	31	28						
65°	11	21				8	29	26	29	25	28	25						
75°	0	0				9	27	23	27	23	26	23						
85°	0	0				10	25	22	25	22	24	21						
90°	0	0																

AH 70MHC 6BC CGL, (1) MPC70/C/U/MED lamp, 5800 rated lumens, 1.5 s/mh, test no. LTL8041

From 0°	cp.	Lumens	Zone	Lumens	%lamp	pf	20%					50%		10%				
							pc	pw	50%	30%	50%	30%	50%	30%	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
0°	1218	0	0°-30°	1339	23.1	1	55	54	54	53	52	51	8'	40.3	8.2'	20.1	12.9'	4.0
5°	1269	123	0°-40°	2145	37.0	2	50	48	49	47	48	46	10'	21.7	11.2'	10.8	17.7'	2.2
15°	1478	429	0°-60°	2898	50.0	3	46	43	45	42	44	41	12'	13.5	14.2'	6.7	22.4'	1.3
25°	1748	787	0°-90°	2946	50.8	4	42	38	41	38	40	37	14'	9.2	17.2'	4.6	27.1'	0.9
35°	1301	806	90°-180°	0	0.0	5	38	35	38	34	37	34	16'	6.7	20.2'	3.3	31.8'	0.7
45°	702	541	0°-180°	2946	50.8*	6	35	31	35	31	34	31						
55°	224	212				7	32	28	32	28	31	28						
65°	30	40				8	30	26	29	25	29	25						
75°	8	8				9	27	24	27	24	27	23						
85°	0	0				10	25	22	25	22	25	22						
90°	0	0																

NOTES:
 1. For electrical characteristics consult technical data tab.
 2. Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.





FEATURES & SPECIFICATIONS

INTENDED USE— For building- and wall-mounted applications.

CONSTRUCTION — Rugged, die-cast, single-piece aluminum housing. Die-cast door frame has a 1/8" thick tempered glass lens. Door frame is fully gasketed with one-piece solid silicone.

FINISH — Standard finish is new textured dark bronze (DDBT) corrosion-resistant polyester powder finish, with other architectural colors available.

OPTICAL SYSTEM — Segmented reflectors for superior uniformity and control. Reflectors are interchangeable. Three full cutoff distributions available: FT (forward throw), MD (medium throw) and WT (wide throw).

ELECTRICAL SYSTEM — 50W-150W utilizes a high reactance, high power factor ballast. 35S utilizes a reactance high power factor ballast. 175W utilizes a constant-wattage autotransformer ballast. Quick disconnect plug easily disconnects reflector from ballast. Ballasts are copper-wound and 100% factory-tested. Porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact. UL listed 660W, 600V 4KV pulse rated.

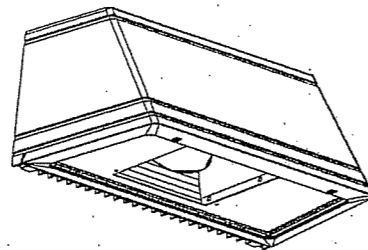
INSTALLATION — Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with each installation.

LISTING — UL Listed (standard). CSA Certified (see Options). Suitable for wet locations (damp location listed in lens-up orientation). WLU option offers wet location listing in up orientation (see Options). IP65 rated.

Catalog Number		WALL MOUNTED AREA LIGHT	
Notes	100 WATT METAL HALIDE		Type
			X2

Decorative Wall-Mounted Lighting

WST



METAL HALIDE
50W-175W
HIGH PRESSURE SODIUM
35W-150W

Specifications

Length: 16.25 (41.2)
Depth: 9.13 (23.2)
Overall Height: 7.25 (18.4)
Max. Weight: 30 lbs (13.6 kg)

All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.

Example: **WST 175M FT 120 SF LPI DNAT**

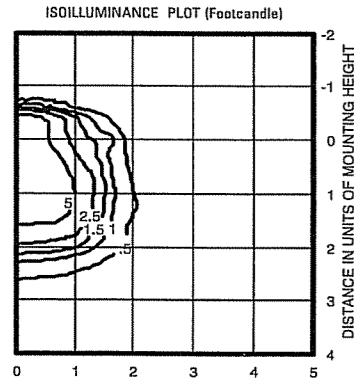
WST	100M	MD	120	SF
Series	Wattage/source	Distribution	Voltage	Options
WST	<u>High pressure sodium</u>	FT Forward throw	120	<u>Shipped installed in fixture</u>
	35S ¹	MD Medium throw	208 ²	SF Single fuse (120, 277, 347V, n/a TB)
	50S	(coated lamp std.)	240 ²	DF Double fuse (208, 240V, n/a TB or TBV)
	70S	WT Wide throw	277	EC Emergency circuit (25W max 120V, incandescent lamp included) ⁵
	100S		347	DC12 Emergency circuit 12 volt (35W lamp included std.) ⁶
	150S		TB ³	2DC12 Emergency circuit 12 volt (2, 35W lamps included) ⁶
			TBV ⁴	DC2012 Emergency circuit 12 volt (20W lamp included) ⁶
	<u>Metal halide</u>			2DC2012 Emergency circuit 12 volt (2, 20W lamps included) ⁶
	50M			QRS Quartz restrike system (100W max 120V, quartz lamp not included) ⁷
	70M			CR Enhanced corrosion resistance
	100M			CRT Non-stick protective coating (black only)
	150M			PE Photoelectric cell-button type (n/a TB/TBV) ⁸
	175M			WLU Wet location door for up orientation
				IBS Internal backlight shield ⁹
				DFL Diffusing lens
				LPI Lamp included (std)
				L/LP Less lamp
				CSA CSA Certified
				<u>Shipped separately</u>
				WSBBW Surface-mounted back box
				UT5 Uptilt 5 degrees
				WSTWG Wire guard ⁸
				WSTVG Vandal guard ⁹
				<u>Architectural colors¹⁰</u>
				<u>Standard textured colors</u>
				DDBT Dark bronze (std.)
				DSST Sandstone
				DNAT Natural aluminum
				DWHG White
				DBLB Black
				<u>Optional textured colors</u>
				DBNH Bronze
				DSPD Dark gray
				DSPJ Light gray
				DSPE Green
				DSPG Dark red
				DSPF Rust
				DSPH Red
				<u>Striping</u>
				SDDB Dark bronze
				SDWH White
				SDBL Black
				SDNA Natural aluminum
				SDTG Tennis green
				SDBR Bright red
				SDBUA Dark blue
				SDGYM Gray
				SDYLB Yellow

NOTES:

- 120V only.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V in Canada).
- Optional penta-tap ballast (120, 208, 240, 277, 480V; not available in Canada). 175W metal halide only.
- Not available with QRS.
- Not available with SF, DF or QRS.
- Not available with EC.
- Must be ordered with fixture; cannot be field installed.
- Not available with medium throw (MD) distribution.
- Additional architectural colors available; see www.lithonia.com for more information.

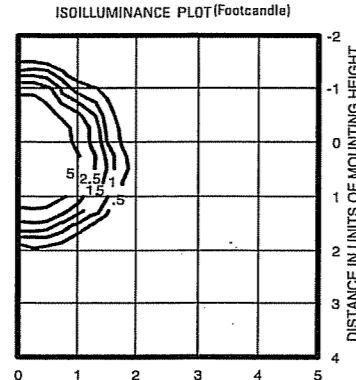
WST Metal Halide, High Pressure Sodium Building Mounted

WST 175M FT TEST NO: LTL11069



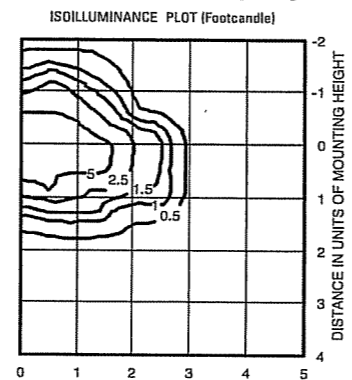
175W metal halide lamp, horizontal lamp orientation
Footcandle values based on 12'
mounting height, 12800 rated lumens.
Luminaire Efficiency: 52.9%

WST 175M MD TEST NO: LTL11068



175W metal halide lamp, horizontal lamp orientation
Footcandle values based on 12'
mounting height, 11080 rated lumens.
Luminaire Efficiency: 60.2%

WST 175M WT TEST NO: LTL11070



175W metal halide lamp, horizontal lamp orientation
Footcandle values based on 12'
mounting height, 12800 rated lumens.
Luminaire Efficiency: 62.4%

Lamp	Initial Lumens	Mounting Height			
		10'	12'	14'	16'
Metal Halide					
50W MH	3,900	0.43	0.30	0.22	0.17
70W MH	5,500	0.62	0.43	0.31	0.24
100W MH	8,500	0.95	0.66	0.48	0.37
150W MH	12,500	1.41	0.98	0.72	0.55
175W MH	12,800	1.44	1.0	0.73	0.56
High Pressure Sodium					
35W HPS	2,250	0.26	0.18	0.13	0.10
50W HPS	4,000	0.45	0.31	0.23	0.17
70W HPS	6,400	0.72	0.50	0.37	0.28
100W HPS	9,500	1.07	0.74	0.54	0.41
150W HPS	16,000	1.80	1.25	0.91	0.70

Architectural Arm-Mounted Full Cutoff

Intended Use

For streets, walkways, parking lots and surrounding areas.

Features

Housing – Die-cast single-piece aluminum with nominal 1/8" wall thickness. Integral arm provides easy installation to pole or wall. Housing completely sealed against moisture or environmental contaminants.

Door Assembly – Die-cast door frame, impact-resistant, tempered, glass lens, 3/16" thick, fully sealed with one-piece tubular silicone gasket. Tool-less entry and closure via spring-loaded die-cast latches.

Optics – Anodized segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fasteners and are rotatable and interchangeable.

Electrical – 150W and below utilize a high reactance, high power factor. 175W and above use a constant-wattage autotransformer ballast. Com-

pact fluorescent uses an electronic high frequency ballast. Ballasts mounted on removable power tray with tool-less latch and have positive locking disconnect plugs. Ballasts are copper wound and 100% factory tested.

Finish – Standard finish is dark bronze (DDB) corrosion-resistant polyester powder finish. Other architectural colors available.

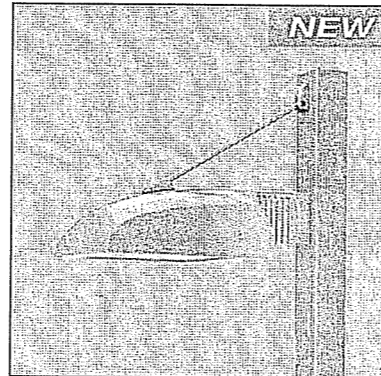
Socket – Porcelain, medium-base socket for AST1, mogul-base socket for AST2, with copper alloy nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching thermoplastic. UL Listed.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations in lens-down orientation (damp location listed in lens-up orientation). Meets IESNA full cutoff criteria. U.S. patent no. D447, 590. Canadian patent no. 94324.

AST

Suspend
Aeris™



Example: AST1 150S SR2 120 SPA SF LPI

Ordering Information

Designation	Distribution	Voltage	Mounting ^{11,12}	Options/accessories
High pressure sodium	SR2 Segmented Type II roadway	120	Included	Installed
AST1 355 ¹	SR3 Segmented Type III	208 ⁷	SPA Square pole mounting block	LPI Lamp included
AST1 505 ²	asymmetric	240 ⁷	RPA Round pole mounting block	L/LP Less lamp
AST1 705	SR4SC Segmented Type IV forward throw, sharp cutoff	277	WBA Wall bracket (up or down)	SF Single fuse, 120V, 277V, 347V (n/a TB and MVOLT) ¹³
AST1 100S	SR4W Segmented Type IV wide, forward throw (size 2 only)	347		DF Double fuse, 208V, 240V, 480V (n/a TB and MVOLT) ¹³
AST1 150S		480 ⁷		PER NEMA twist-lock receptacle only (no photocontrol)
AST2 200S	SR5S Segmented Type V square	TB ⁸		QRS Quartz restrike system (100W max. AS1, 250W max. AS2, lamp not included) ¹³
AST2 250S		MVOLT ^{9,10}		CR Enhanced corrosion resistance
AST2 400S				HS House-side shield (n/a SR4SC or SR5S)
Metal halide				EC Emergency circuit ¹⁴
AST1 50M ³				TP Tamperproof
AST1 70M ³				SCWA Super CWA pulse start ballast (n/a HPS, DTT, TRT, 50M, 70M or 100M)
AST1 100M				CSA CSA Certified
AST1 150M ⁴				NOM NOM Certified ¹⁴
AST1 175M				For optional architectural colors, see page 543.
AST2 200M ⁵				Shipped separately
AST2 250M ⁴				PE1 NEMA twist-lock PE (120V, 208V, 240V)
AST2 320M ⁵				PE3 NEMA twist-lock PE (347V)
AST2 350M ⁵				PE4 NEMA twist-lock PE (480V)
AST2 400M ⁴				PE7 NEMA twist-lock PE (277V)
Compact fluorescent				SC Shorting cap
AST1 2/32TRT ⁶				AS1VG Vandal guard
AST1 42TRT				AS2VG Vandal guard
AST1 2/42TRT ⁶				
AST1 57TRT				
AST1 70TRT				

NOTES:

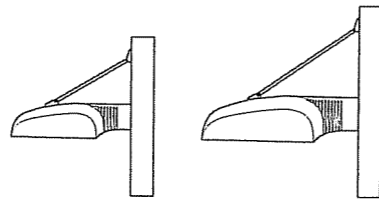
- 120V only.
- 120V and 277V only.
- Not available with 480V.
- May be ordered with SCWA.
- Must be ordered with SCWA.
- Available in SR3 only.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Compact fluorescent only, 120V-277V.
- Multi-volt electronic ballast (for TRI and DTT lamps) capable of operating on any line voltage between 120V and 277V.
- Mounting block standard.
- AST mounts 9.64" lower than specified pole height. AST2 mounts 13.89" lower than specified height.
- SF, DF or QRS options cannot be ordered together.
- Consult factory for availability.

Drilling patterns:

- (see pole ordering, pg. 552)
- DM19AST1 1at90°
 - DM19AST2 1at90°
 - DM28AST1 2at180°
 - DM28AST2 2at180°
 - DM29AST1 2at90°
 - DM29AST2 2at90°
 - DM39AST1 3at90°
 - DM39AST2 3at90°
 - DM49AST1 4at90°
 - DM49AST2 4at90°
 - DM32AST1 3at120° (round poles only)
 - DM32AST2 3at120° (round poles only)

Dimensions are shown in inches (centimeters) unless otherwise noted.

	AST1	AST2
EPA:	.7ft ¹	1.2ft ¹
Length:	21.38(54.5)	28(71.0)
Width:	12.5(31.7)	16.25(41.9)
Height:	6.28(15.9)	8.25(21.0)
Weight:	22lbs(10kg)	45lbs(20.4kg)



Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction
May not meet with HS option.

www.lithonia.com, keyword: AST

LITHONIA LIGHTING

AREA LIGHTING

LITHONIA OUTDOOR



FEATURES & SPECIFICATIONS

INTENDED USE

Streets, walkways, parking lots and surrounding areas.

CONSTRUCTION

Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8". Die-cast door frame has impact-resistant, tempered, glass lens (3/16" thick). Door frame is fully gasketed with one-piece tubular silicone and has tool-less entry and resealing.

FINISH

Standard finish is dark bronze (DDB) polyester powder finish, with other architectural colors available.

OPTICAL SYSTEM

Anodized segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fasteners and are rotatable and interchangeable. Four full cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw) and Type V (symmetric square).

ELECTRICAL SYSTEM

150W and below utilizes a high reactance, high power factor ballast. 175W utilizes a constant-wattage autotransformer ballast. Ballasts are mounted on a removable power tray with tool-less latch and have positive locking disconnect plugs. Ballasts are copper-wound and 100% factory-tested. Optional Super CWA Pulse Start ballast (available with 150W only). Porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact.

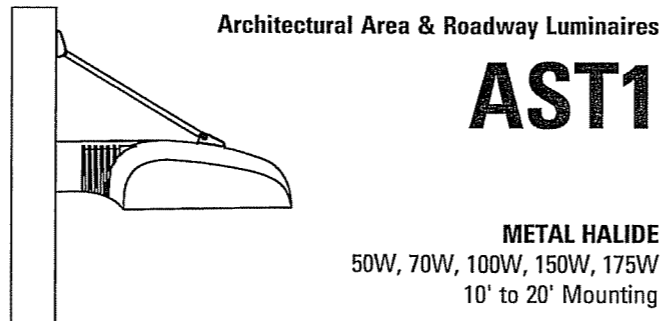
INSTALLATION

Integral arm for pole or wall mounting. Optional mountings available. Additional backing plate and receiver used to mount tension rod.

LISTING

UL Listed (standard). UL listed suitable for wet locations. CSA Certified (see options below).

Catalog Number	
POLE-MOUNTED AREA LIGHT - 15 FT SQ. POLE	
Notes	Type
100 WATT METAL HALIDE	X3

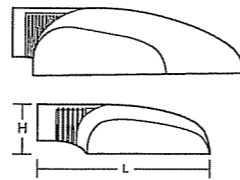


Architectural Area & Roadway Luminaires

AST1

METAL HALIDE
50W, 70W, 100W, 150W, 175W
10' to 20' Mounting

AERIS™



Specifications

EPA: 0.7 ft²
Length: 21.5 (54.5 cm)
Width: 12.5 (31.7 cm)
Depth: 6.3 (15.9 cm)
Weight: 22 lbs (10 kg)

All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number.

Example: **AST1 175M SR4SC 120 SPA SF DNA LPI**

AST1 100M	S2	120	SPA	SF
Series	Voltage	Mounting	Options	
AST1 50M ¹	120	SPA Square pole mounting (std)	<u>Shipped installed</u>	<u>Architectural colors⁶</u>
AST1 70M ¹	208 ²	RPA Round pole mounting	SF Single fuse (120, 277, 347, n/a TB) ⁴	<u>Standard colors</u>
AST1 100M	240 ²	WBA Wall bracket	DF Double fuse (208, 240, 480V, n/a TB) ⁴	DDB Dark bronze (standard)
AST1 150M	277		PER NEMA twist-lock receptacle only (no photocontrol)	DWH White
AST1 175M	347		CR Enhanced corrosion resistance	DBL Black
	480 ²		QRS Quartz restrike system (100W maximum, lamp not included) ⁴	DNA Natural aluminum
	TB ³		HS Houseside shield (SR2, SR3)	DSS Sandstone
			EC Emergency circuit	<u>Textured colors</u>
			TP Tamperproof	DSPD Dark gray
			SCWA Super CWA pulse start ballast (available with 150W only)	DSPJ Light gray
			LPI Lamp included as standard	DBLB Black
			L/LP Less lamp	DWHG White
			CSA CSA Certified	DBNH Dark bronze
			<u>Shipped separately⁵</u>	DSPE Green
			PE1 NEMA twist-lock PE (120, 208, 240V)	DSPG Dark red
			PE3 NEMA twist-lock PE (347V)	DSPH Red
			PE4 NEMA twist-lock PE (480V)	DSPF Rust
			PE7 NEMA twist-lock PE (277V)	DDBT Dark bronze
			AS1VG Vandal guard	DNAT Natural aluminum
			SC Shorting cap for PER option	DSST Sandstone

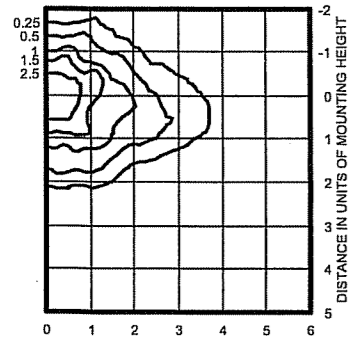
Note: Aeris Suspend has a unique drilling template that requires an Aeris Suspend drilling pattern to be specified when ordering poles. See example below.
Example: SSA204CDM19AST1 DDB
Aeris Drilling Pattern
DM19AST1 1 at 90 degrees
DM28AST1 2 at 180 degrees
DM29AST1 2 at 90 degrees
DM39AST1 3 at 90 degrees
DM49AST1 4 at 90 degrees
DM32AST1 3 at 120 degrees (round poles only)

NOTES:
1 Not available with 480V.
2 Consult factory for availability in Canada.
3 Optional multi-tap ballast (120, 208, 240, 277V) (120, 277, 347V in Canada).
4 SF, DF, or QRS options cannot be ordered together.
5 May be ordered as an accessory.
6 Additional architectural colors available; see www.lithonia.com for more information.

AST1 Metal Halide Area Lighting

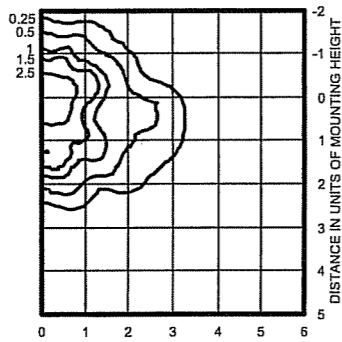
Coefficient of Utilization Initial Footcandles

AST1 175M SR2 TEST NO: LTL10086



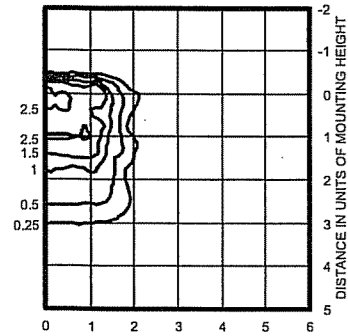
175W lamp, rated 12800 lumens. Footcandle values based on 20' mounting height.
Classification: Type II, Medium, Full Cutoff

AST1 175M SR3 TEST NO: LTL10087



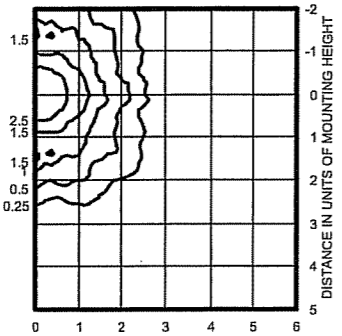
175W lamp, rated 12800 lumens. Footcandle values based on 20' mounting height.
Classification: Type III, Medium, Full Cutoff

AST1 175M SR4SC TEST NO: LTL10088



175W lamp, rated 12800 lumens. Footcandle values based on 20' mounting height.
Classification: Type IV, Short, Full Cutoff

AST1 175M SR5S TEST NO: LTL10089



175W lamp, rated 12800 lumens. Footcandle values based on 20' mounting height.
Classification: Unclassified (Type V), Full Cutoff

NOTES:

- 1 Photometric data for other distributions can be accessed from the Lithonia Lighting web site (www.lithonia.com).
- 2 For electrical characteristics consult technical data tab.
- 3 Tested to current IESNA and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current data and are subject to change.

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)
10 ft. = 4
15 ft. = 1.78
30 ft. = 0.44

$$\frac{\text{Existing Mounting Height}^2}{\text{New Mounting Height}^2} = \text{Correction Factor}$$



FEATURES & SPECIFICATIONS

INTENDED USE— For building- and wall-mounted applications.

CONSTRUCTION — Rugged, die-cast, single-piece aluminum housing. Die-cast door frame has a 1/8" thick tempered glass lens. Door frame is fully gasketed with one-piece solid silicone.

FINISH — Standard finish is new textured dark bronze (DDBT) corrosion-resistant polyester powder finish, with other architectural colors available.

OPTICAL SYSTEM — Segmented reflectors for superior uniformity and control. Reflectors are interchangeable. Three full cutoff distributions available: FT (forward throw), MD (medium throw) and WT (wide throw).

ELECTRICAL SYSTEM — 50W-150W utilizes a high reactance, high power factor ballast. 35S utilizes a reactance high power factor ballast. 175W utilizes a constant-wattage autotransformer ballast. Quick disconnect plug easily disconnects reflector from ballast. Ballasts are copper-wound and 100% factory-tested. Porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact. UL listed 660V, 600V 4KV pulse rated.

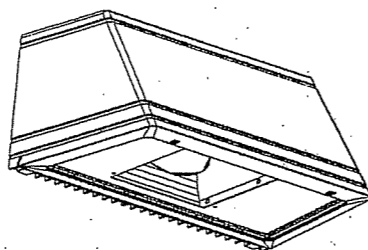
INSTALLATION — Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with each installation.

LISTING — UL Listed (standard). CSA Certified (see Options). Suitable for wet locations (damp location listed in lens-up orientation). WLU option offers wet location listing in up orientation (see Options). IP65 rated.

Catalog Number		WALL MOUNTED AREA LIGHT	
Notes	Type		
100 WATT METAL HALIDE	X4		

Decorative Wall-Mounted Lighting

WST



METAL HALIDE
50W-175W
HIGH PRESSURE SODIUM
35W-150W

Specifications

Length: 16.25 (41.2)
Depth: 9.13 (23.2)
Overall Height: 7.25 (18.4)
Max. Weight: 30 lbs (13.6 kg)

All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.

Example: **WST 175M FT 120 SF LPI DNAT**

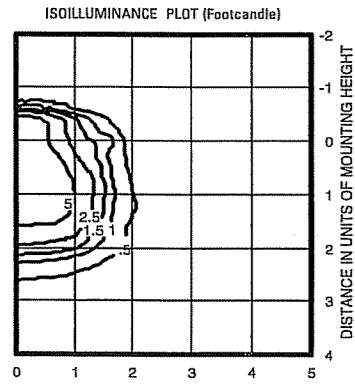
WST	100M	WT	120	SF	
Series	Wattage/source	Distribution	Voltage	Options	
WST	<u>High pressure sodium</u>	FT Forward throw	120	<u>Shipped installed in fixture</u>	<u>Shipped separately</u>
	35S¹	MD Medium throw	208²	SF Single fuse (120, 277, 347V, n/a TB)	WSBBW Surface-mounted back box
	50S	(coated lamp std.)	240²	DF Double fuse (208, 240V, n/a TB or TBV)	UT5 Uptilt 5 degrees
	70S	WT Wide throw	277	EC Emergency circuit (25W max 120V, incandescent lamp included) ⁵	WSTWG Wire guard ⁹
	100S		347	DC12 Emergency circuit 12 volt (35W lamp included std.) ⁶	WSTVG Vandal guard ⁹
	150S		TB³	2DC12 Emergency circuit 12 volt (2, 35W lamps included) ⁶	<u>Architectural colors¹⁰</u>
			TBV⁴	DC2012 Emergency circuit 12 volt (20W lamp included) ⁶	<u>Standard textured colors</u>
	<u>Metal halide</u>			2DC2012 Emergency circuit 12 volt (2, 20W lamps included) ⁶	DDBT Dark bronze (std.)
	50M			QRS Quartz restrike system (100W max 120V, quartz lamp not included) ⁷	DSST Sandstone
	70M			CR Enhanced corrosion resistance	DNAT Natural aluminum
	100M			CRT Non-stick protective coating (black only)	DWHG White
	150M			PE Photoelectric cell-button type (n/a TB/TBV) ⁸	DBLB Black
	175M			WLU Wet location door for up orientation	<u>Optional textured colors</u>
				IBS Internal backlight shield ⁹	DBNH Bronze
				DFL Diffusing lens	DSPD Dark gray
				LPI Lamp included (std)	DSPJ Light gray
				L/LP Less lamp	DSPG Green
				CSA CSA Certified	DSPR Dark red
					DSPF Rust
					DSPH Red
					<u>Striping</u>
					SDBB Dark bronze
					SDWH White
					SDBL Black
					SDNA Natural aluminum
					SDTG Tennis green
					SDBR Bright red
					SDBUA Dark blue
					SDGYM Gray
					SDYLB Yellow

NOTES:

- 120V only.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V in Canada).
- Optional penta-tap ballast (120, 208, 240, 277, 480V; not available in Canada). 175W metal halide only.
- Not available with QRS.
- Not available with SF, DF or QRS.
- Not available with EC.
- Must be ordered with fixture; cannot be field installed.
- Not available with medium throw (MD) distribution.
- Additional architectural colors available; see www.lithonia.com for more information.

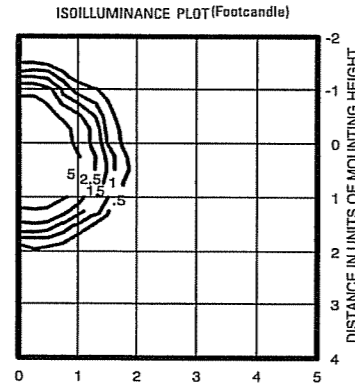
WST Metal Halide, High Pressure Sodium Building Mounted

WST 175M FT TEST NO: LTL11069



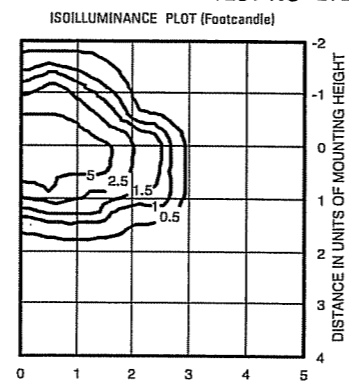
175W metal halide lamp, horizontal lamp orientation
Footcandle values based on 12'
mounting height, 12800 rated lumens.
Luminaire Efficiency: 52.9%

WST 175M MD TEST NO: LTL11068



175W metal halide lamp, horizontal lamp orientation
Footcandle values based on 12'
mounting height, 11080 rated lumens.
Luminaire Efficiency: 60.2%

WST 175M WT TEST NO: LTL11070



175W metal halide lamp, horizontal lamp orientation
Footcandle values based on 12'
mounting height, 12800 rated lumens.
Luminaire Efficiency: 62.4%

Lamp	Initial Lumens	Mounting Height			
		10'	12'	14'	16'
Metal Halide					
50W MH	3,900	0.43	0.30	0.22	0.17
70W MH	5,500	0.62	0.43	0.31	0.24
100W MH	8,500	0.95	0.66	0.48	0.37
150W MH	12,500	1.41	0.98	0.72	0.55
175W MH	12,800	1.44	1.0	0.73	0.56
High Pressure Sodium					
35W HPS	2,250	0.26	0.18	0.13	0.10
50W HPS	4,000	0.45	0.31	0.23	0.17
70W HPS	6,400	0.72	0.50	0.37	0.28
100W HPS	9,500	1.07	0.74	0.54	0.41
150W HPS	16,000	1.80	1.25	0.91	0.70