306-B-18 Waldron Way Lot-14 Warehouse Maine Parts & Madrine

2001-0177

CITY OF PORTLAND, MAINE DEVELOPMENT REVIEW APPLICATION PLANNING DEPARTMENT PROCESSING FORM

2001-0177

		Planning Copy	Application I. D. Number
Porgoron Mark		see R S	7/12/01
Bergeron, Mark Applicant		=	Application Date
	10		
470 Riverside St, Portland, ME 0410 Applicant's Mailing Address	Ja	=	Waldron Way- Lot 14 Project Name/Description
Applicant's Maining Address Bergeron, Mark		Waldron Way, Portland, Main	
Consultant/Agent		Address of Proposed Site	0
and the second of the second o	pplicant Fax: (207) 781-4245	306 B018001	
Applicant or Agent Daytime Telephon	* * * * * * * * * * * * * * * * * * * *	Assessor's Reference: Chart-BI	ock-Lot
NAME OF THE PARTY		Building Addition	
	17 12990 H	(70) W- (70)	
Manufacturing Warehouse	Distribution Parking Lot	Other (s	specify)
15,000 SqFt			
Proposed Building square Feet or # o	f Units Acres	age of Site	Zoning
Check Review Required:			
Site Plan	Subdivision	PAD Review	14-403 Streets Review
(major/minor)	# of lots		
			- BED1 10 45 3
Flood Hazard	Shoreland	HistoricPreservation	DEP Local Certification
Zoning Conditional	Zoning Variance		Other
Use (ZBA/PB)	V (1997)		
F	0.1.11.1		2 -3-1
Fees Paid: Site Plan	Subdivision	Engineer Review	Date
Planning Approval Stat	lie:	Reviewer	

Approved	Approved w/Conditions	Denied	
	See Attached		
Approval Date	Approval Expiration	Extension to	Additional Sheets
Approva: Date	Approval Expiration	Extension to	Attached
OK to Issue Building Permit			Allached
	signature	date	
Performance Guarantee	Required*	Not Required	
* No building permit may be issued u	atil a parformance quarantee bac	been submitted as indicated below	S4
No building permit may be issued u	illi a periormance guarantee nas	been submitted as indicated below	
Performance Guarantee Accepted	3		
	date	amount	expiration date
Inspection Fee Paid			
	date	amount	
Building Permit Issue			
	date		
Performance Guarantee Reduced			
	date	remaining balance	signature
Temporary Certificate of Occupar	ncv	Conditions (See Attached)	
remporary definitions of occupar	date	Obligations (dee Attached)	expiration date
Einel Inspection	33.0		o.p.re.io.r. da.io
Final Inspection	date	signature	
	date	signature	
Certificate Of Occupancy	- 4.0		
	date		* *
Performance Guarantee Release	W +		
	date	signature	
Defect Guarantee Submitted			
	submitted date	amount	expiration date
Defect Guarantee Released			
	date	signature	

TO:

Inspections

FROM:

Jay Reynolds, Development Review Coordinator

DATE:

August 23, 2002

RE:

C. of O. for 68 Waldron Way / Maine Parts and Machine

(306-B-018) (2001-0177)

After visiting 68 Waldron Way, I have the following comments:

1. Final Paving/Striping incomplete.

I would estimate that this item can be completed by October 1, 2002. Once this item is completed and re-inspected, then a permanent Certificate of Occupancy can be issued.

At this time, I recommend issuing a temporary Certificate of Occupancy.

Please contact me if you have any questions or comments. Thank You.

Cc:

Sarah Hopkins, Development Review Services Manager

Michael Nugent, Inspection Services Manager

File:

O:\drc\68waldron1.doc

TO:

Inspections

FROM:

Jay Reynolds, Development Review Coordinator

DATE:

October 4, 2002

RE:

C. of O. for 68 Waldron Way/Maine Parts and Machine

(306-B-018) (2001-0177)

After visiting 68 Waldron Way, I have the following comments:

Site work complete.

At this time, I recommend issuing a permanent Certificate of Occupancy.

Please contact me if you have any questions or comments. Thank You.

Cc:

Sarah Hopkins, Development Review Services Manager

Michael Nugent, Inspection Services Manager

File:

O:\drc\68waldron2.doc



CITY OF PORTLAND

August 21, 2001

Mr. Mark Bergeron Pinkham and Greer Consulting Engineers Inc. 170 U.S. Route One Falmouth, ME 04105

RE: Maine Parts and Machine, 68 Waldron Way (ID# 2001-0177, CBL#306-B-18)

Dear Mr. Bergeron:

The Planning Department has received your application for the construction of a 15,000 square foot machine shop at 68 Waldron Way. After review of the submitted plans and materials, the following comments have been generated:

- 1. Please review the need for a loading dock drain or some re-grading since the proposed spot grade calls for the dock to be flat with the adjacent 99' contour to the northwest. This area looks like it might not drain very well.
- 2. Filter fabric should be placed around the crushed stone in the underdrain detail to prevent the migration of fines.
- 3. The plan identifies future parking expansion and future building expansion plans. The future parking expansion will result in the project containing more than 25 spaces, thus requiring the City's water quality standards to be met. The applicant may wish to address this requirement now. If not, future expansion possibilities should not be delineated on the plans.
- 4. A brief drainage summary and rational method computation supporting the drainpipe sizing and adequacy of the catch basins and existing storm drain in Waldron Way is needed.
- 5. A photometric plan and catalog cuts for the proposed fixtures including pole heights is needed.
- An enclosure around the dumpster should be provided.
- 7. Are there any exterior equipment proposed including HVAC? If so, are there any noise considerations?

- 8. Will there be an LP Gas supply and/or underground fuel oil tank? The location of the mechanical room was not clear on the plan. If rooftop mechanical units are proposed then data must be provided for staff review.
- 9. Staff recommends the inclusion of additional street trees to enhance the overall landscape plan.
- 10. Is appropriate signage along Waldron Way indicating the occasional reverse movement of semi-trailers being proposed?

The project is currently undergoing additional review by the Zoning Administrator and the City Arborist. I will forward additional comments directly to you upon receipt. If you have any questions, please do not hesitate to contact me at 756-8083.

Sincerely,

Jonathan Spence

Planner

CC: Sarah Hopkins, Development Review Services Manager



170 U.S. Route One Falmouth, Maine 04105

Tel: 207.781.5242 Fax: 207.781.4245

April 1, 2002 File: 01143

Mr. Jonathan Spence CITY OF PORTLAND PLANNING DEPT. 389 Congress Street Portland, ME 04101

RE: 68 WALDRON WAY SITE PLAN

Dear Jonathan:

On behalf of Maine Parts and Machine, I am enclosing three copies of revised site plans based on minor field changes. Following is a list of the changes made to the plans:

 The plan views were modified to correct the location of the boundary in relation to the monumentation found in the field. The dimensions from the existing monuments to the building footprint were changed accordingly. Building setbacks and clearing limits were not affected.

The building footprint was revised by a few inches to match the latest footprint layout.

Below are requests from the site contractor for minor field changes based on recommendations from the geotechnical engineer, and existing site conditions. I have reviewed these changes and agree to them as noted:

1. Based on S.W. Cole's recommendations for footing designs and foundation drains, the invert of DMH #1 will need to be approximately 2 feet lower than currently designed. This will accommodate the lower footing elevations around the loading dock. Consequently, the outlet pipe and plunge pool will need to be extended approximately 16 feet. I do not see any adverse impacts to this change.

2. The pipe between CB#1 and DMH #1 is specified to be MDOT Type C perforated pipe, to act as a carrying pipe between these two structures, and a foundation drain for the rear wall of the building. Based on S.W. Cole's recommendations for footing designs and foundation drains, the contractor has requested that the pipe be lowered slightly. This change is acceptable to me.

2077568258

COST ESTIMATE OF IMPROVEMENTS TO BE COVERED BY PERFORMANCE GUARANTEE

		Date:	2.18.02
Name of Project: MANE F	PARTS AND MAC	4/48	
	earl way Por		
Developer: KELTON	DF.	diagram	
	194		-
Type of Development: Subdivision		or) MINOR	- Laur
TO BE FILLED OUT BY THE APPLICAN		The second secon	
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	PUBLIC	PRIVA	ATE
Quantity	Unit Cost Subtotal	Quantity Unit C	ost Subtotal
1. STREET/SIDEWALK		1	
Road	of the second se	SEE ATTACHE	D BREAK DOWN
Granite Curbing Sidewalks	- AGEN		
Esplanades	and the state of t		a management
Monuments			
Street Lighting Street Opening Repairs	-		
Other	manufacture of the same	- Training are stated	-
	Charles and the Control of the Contr	-	
Cut STRIPPING TOPSOIL &	Commence (State and State)		or Francisco
Foll	Colorina Internation 201 or School A Lance	2490 cm 6.5	79990, -
	a specification respective to the large and all the sail	10000	6 4220,
SANITARY SEWER			
Manholes Piping 6" Sew 27		NA	NA
Connections SEW ETC		44 y < 35;	\$ 1540 -
Main Line Piping	Propropositive and Statement Commence	NA	N/A
House Sewer Service Piping Pump Stations		NA	NA
Other	argument	NA	NA
1/	The second secon		The state of the s
WATER MAINS -/ Z Dantiste	- man and a super-state of the s	50 LE @ 20	- \$ 1000 -
STORM DRAINAGE			els.
Manholes Catchbasins	Appropriate the second of the	1 34. 225	
Piping 10"\$ STORM	terminal and the Party Control of the Control of th	390 C 30	
Detention Basin		MA	NA
Stormwater Quality Units Other		NA	NA
D MANUEL	MANAGES	_WA	NA
3			
Post-it" Fax Note	7671 Date 2.25 Fa	ges A	
To Instarrage	Some of From Date A	903	

Phone + Phone + Phone +

Fax # 756 - 8258

6.	SITE LIGHTING		- trailing	N. halls and the	SEE	ASTME HED	Britis (GDOMAN)	
7.	EROSION CONTROL						8	
	Silt Fence Check Dams				54	With the same of t	72430, -	
	Pipe Inlet/Outlet Protection	-	***************************************		12		8 500 -	
	Level Lip Spreader			Transcription of the	NO		NA	
	Slope Stabilization		24	The second secon	15		NA	
	Geotextile				M	4	No	
	Hay Bale Barriers				_15			
	Catch Basin Inlet Protection			and a second second	2	e 225	- 9 450 -	
8.	RECREATION AND OPEN SPACE AMENITIES			-	Na	-	NA	
9,	LANDSCAPING (Attach breakdown of plant materials, quantities, and unit costs)	SSE ATTO	ne NOO	SABRA	BRÁME DO	en al	\$3300	
10.	MISCELLANEOUS				See	ATTACHED 1	MEAKDEWN	
	TOTAL							
	GRAND TOTAL:	destructions			1	103632		/
INS	SPECTION PEE (to be filled o	er by the City)			5	x 18	3-2-6	2
į	PUBI.	IC.	PRI	VATE		TOTAL.		
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	or							
B:	Alternative Assessment			la salar and a salar and		- Lander State Control		
	Assessed by: (name)	No	(ner	AR.		JR.		į

MAINE PARTS AND MACHINE

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TEM	PRIVATE	The state of the s	
1.) STREET/	SIDEWALK.	V. National Science of the Control o	N.
CLEARUS	AND CHUBBINE	. 4 ALRES & 10250/ACES	= 449
	FOR ROAD & PARKING	260 4 € 18,00	2 7 468
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	2"+1"	1941 sq e 7.50	\$ 14558.
REMOVE RESET	CURBING		-4450,
	CURR	36 LE C 25 -	= \$900.
	CURB	128 4€ € 32 -	= \$4096
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*			\$ 39849.
6) SITE LIG	HTING	2 5250 20 52 53 020 0	
	SHOWS EXE & BACKEN	192 GE C G. SD	= 124
	E GASET	2 5A CA 550,-	- \$1100
	es		= \$400
			\$ 6340

10.) HISE BLEAD EOUS

LOAM SEBD AND MULCH TRANSFORMER PAD FENCINE & GATES 330 y = 18 -23 UNITS @ 40 -1 54 @ 2500 -

= 5990 -= 920 -= 2500 -

\$ 12360,-

SABRA PROPERTY CARE, INC.

4 Phillips Street . Cumberland, Maine 04021 . Phone: 797-6540 . FAX: 829-4535

February 21, 2002

To: RGB Construction, Inc. RE: Maine Parts & Machinery

We of Sabra Property Care, Inc. subnet the following proposal for landscaping services:

Purnish and install plants as per design Mulch the planting beds Staking the trees

Total charge for plants, mulch, labor and materials. \$3,300

UNIT PRIC		20 1	pricz/unit
4 Juniper 2 Ash 4 Arborvites 7 Dogwood 20 Daylilies	15-18" 2.5" oai 6'		\$38.20 \$881.25 \$199.75 \$51.70 \$11.16

Phoase feel free to call us with any questions about this proposal. The price is good for 30 days from today and axchedes losses, and axed asseting. Thank you very much for the opportunity to hid on this work. Sincerely, Shal Levite, Owner, Sabra Property Care, Inc.



Mr. Jonathan Spence CITY OF PORTLAND April 1, 2002 Page 2

3. The existing sewer line stub into the existing sewer manhole in Waldron Way does not extend onto the applicant's property, or past the existing curb. Consequently, a portion of the existing curb and pavement will need to be opened up to make the proposed connection. A street opening permit will be required for this work.

I trust that you will concur with these minor field changes. If you have any further questions, please do not hesitate to call.

Sincerely,

PINKHAM & GREER

Mark R. Bergeron, P.E.

C: Bill Kelton, Maine Parts and Machine Dick Butterfield, RGB Construction Jay Reynolds, City of Portland

MRB/s



170 U.S. Route One

Falmouth, Maine 04105

Tel: 207.781.5242 Fax: 207.781.4245

September 26, 2001

File: 01143

Mr. Jonathan Spence CITY OF PORTLAND PLANNING DEPT. 389 Congress Street Portland, ME 04101

RE: 68 WALDRON WAY SITE PLAN

Dear Jonathan:

Per the condition of approval in your September 24, 2001, letter, I have revised the lighting on Drawings C2 and C5. Nine copies are enclosed for your records. The other drawings remained unchanged. Wall-mounted and pole-mounted fixtures have been specified that meet the Technical Design Standards. Updated photometrics and catalog cuts are also included for your review.

I trust that these revised plans satisfy the condition of approval. If you have any further questions, please do not hesitate to call.

Sincerely,

PINKHAM & GREER

Mark R. Bergeron, P.E.

Cc: Bill Kelton, Maine Parts and Machine

MRB/s

Data Sheet

LIGHT POLES 68 WALDRON

Citation Series

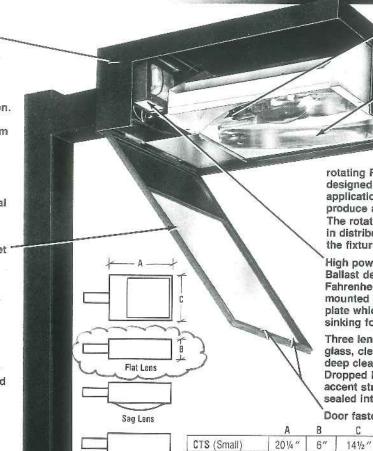
The one-piece aluminum housing is available in three sizes: small, medium and large. Corners are welded and finished to produce a clean, sharp appearance while increasing housing strength and ensuring weather-tight construction. One-piece construction eliminates the worry of moisture entering from poorly sealed top pans and side panels.

The Citation is designed to utilize any of the following lamp types: High Pressure Sodium, Super Metal Halide, Metal Halide or Deluxe Mercury Vapor.

Continuous one-piece EPDM gasket for maximum sealing.

The Citation is available in dark bronze, black, sandstone or white. Other colors are available on request. Paint is applied in a revolutionary superior baked-on powder coating, which gives the fixture an exceptionally attractive appearance. This unique polyester protection lets the fixture withstand extreme weather changes without cracking or peeling. Finish is guaranteed for five full years.

UL listed for wet locations.



Segmented, modular, optical system creates uniformity and consistent photometric results. This standard Type III has a medium distribution for increased pole

for longer life.

Porcelain sockets feature spring-reinforced contacts

spacing. An optional rotating Forward Throw (FT) reflector is designed for perimeter lighting applications to eliminate stray light and produce a sharp backside cutoff. The rotating feature enables flexibility in distribution patterns without moving the fixture.

High power factor. Type CWA Ballast designed for minus 20 degrees Fahrenheit operation. The ballast is mounted to housing reinforcing plate which ensures maximum heatsinking for long life.

Three lens options: Clear flat tempered glass, clear sag tempered glass, or 31/2" deep clear dropped acrylic lens. Dropped lens has a contrasting corner accent strip. All lenses are doublesealed into door frame.

Door fasteners on the medium and

C

1814"

21"

large have one-quarter turn releases. The small Citation has two captive door fasteners.

HOW TO ORDER LUMINAIRES

Select appropriate choice from each column.

Luminaire Prefix	Distribution	Lamp Wattage	Light Source	Lens	Line Voltage	Luminaire Finish	Options
CTS— Small	3—Type III FT—Forward Throw	50 70 100 150 175	HPS—High Pressure Sodium 50, 70, 100, 150 Watt SMH—Super Metal Halide 175 Watt MH—Metal Halide 175 Watt DX—Deluxe Mercury Vapor 100, 175 Watt	F—Clear Flat Tempered Glass	120V 208V 240V 277V 480V MT—Multi Tap	BRZ—Bronze Paint BLK—Black Paint SAN—Sandstone Paint WHT—White Paint SPL—Special	PCR—Photoelectric Contro LL—Less Lamp CL—Coated Lamp FS—Fusing FD—Double Fusing HSS—House Side Shield PLS—Polycarbonate Shield NO—No Options
CTM — Medium	3—Type III FT—Forward Throw	200 250 400	HPS—High Pressure Sodium 200, 250, 400 Watt SMH—Super Metal Halide 250, 400 Watt MH—Metal Halide 250, 400 Watt DX—Deluxe Mercury Vapor 250, 400 Watt	F—Clear Flat Tempered Glass S—Clear Sag Tempered Glass DC—Clear Dropped Acrylic			THE SPINIS
CTL- Large	3—Type III FT—Forward Throw	1000	HPS—High Pressure Sodium 1000 Watt MH—Metal Halide 1000 Watt DX—Deluxe Mercury Vapor 1000 Watt	F—Clear Flat Tempered Glass S—Clear Sag Tempered Glass			

Dropped Lens

CTM (Medium)

CTL (Large)

25"

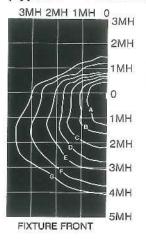
29"

8"

10"

PHOTOMETRIC DATA

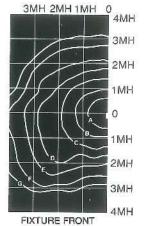
400W High Pressure Sodium (Single) (Type FT — Forward Throw Distribution)



HT.	Α	В	C	D	E	F	G
16'	15.6	7.8	3.1	1.6	.78	.31	.16
18'	12.3	6.2	2.5	1.2	.62	.25	.12
20'	10.0	5.0	2,0	1.0	.50	.20	.10
22'	8.3	4.1	1.7	.8	.41	.17	.08
24"	6.9	3.5	1.4	.7	.35	.14	.07
26'	5.9	3.0	1.2	.6	.30	.12	.06
28'	5.1	2.6	1.0	.5	.26	.10	.05
30'	4.4	2.2	.9	.4	.22	.09	.04

LUMEN RATING 50,000 MH REFERS TO MOUNTING HEIGHT

400W High Pressure Sodium (Single) (Type III Medium Distribution)



MTG. HT.	Α	В	С	D	E	F	G
16'	15.6	7.8	3.1	1.6	.78	.31	.16
18'	12.3	6.2	2.5	1.2	.62	.25	.12
20'	10.0	5.0	2.0	1.0	.50	.20	.10
22'	8.3	4.1	1.7	.80	.41	.17	.08
24'	6.9	3.5	1.4	.70	.35	.14	.07
26'	5.9	3.0	1.2	.60	.30	.12	.06
28'	5.1	2.6	1.0	.50	.26	.10	.05
30'	4.4	2.2	.90	.40	.22	.09	.04

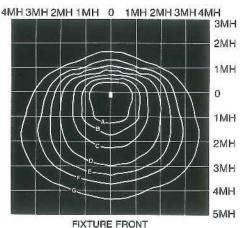
LUMEN RATING 50,000 MH REFERS TO MOUNTING HEIGHT

EASY FIELD-ROTATED FORWARD THROW DISTRIBUTION FOR CTL ONLY

1000W High Pressure Sodium (Single)

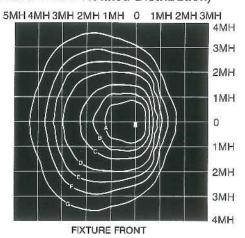
(Type FT — Forward Throw Non-Rotated Distribution)

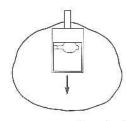
1000W High Pressure Sodium (Single) (Type FT — Forward Throw Rotated Distribution)



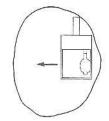
MTG HT.	A	В	С	D	E	F	G
16'	31.25	15.63	7.81	3.13	1.56	.78	.31
18'	24.69	12.35	6.17	2.47	1.23	.62	.25
20′	20.00	10.00	5.00	2.00	1.00	.50	.20
22'	16.53	8.26	4.13	1.65	.83	,41	.17
24'	13.89	6.94	3.47	1.39	.69	.35	.14
26′	11.83	5,92	2.96	1.18	.59	.30	.12
28′	10.20	5.10	2.55	1.02	.51	.26	.10
30'	8.89	4,44	2.22	.89	,44	.22	.09

LUMEN RATING 140,000 MH REFERS TO MOUNTING HEIGHT











Note the flexibility in distribution pattern allowed by the field-rotated reflector.

BOLT CIRCLE C D H Slotted Slotted Slotted Slotted Bolt Circle 8" to 11" 11" 11" 8" to 11" 93/4" to 11" 11" to 121/2" 12" Anchor Bolt Size $\frac{3}{4}'' \times 30''$ 3/4" × 30" 1"×36" 1"×36" 1" × 36" $\frac{3}{4}$ " × 30 3/4" × 30" Anchor Bolt Projection 31/4" 31/4" 31/2" 4" 4" Base Plate Thickness 11/8"

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for base plate templates.



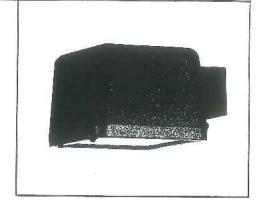
68 WALDRON WAY



Туре	
Catalog No	

RMS Series Mini Roadway Luminaire

35 watts thru 150 watts High Pressure Sodium 100 watts Metal Halide



PRODUCT SPECIFICATIONS

☐ APPLICATIONS

Roadway, parking lot, building and pathway lighting. Any outdoor application where tight light control to prevent glare and light trespass is desired.

□ CONSTRUCTION

Precision die-cast aluminum housing. Onepiece construction eliminates the threat of leaking. Finished in Duraplex II™ architectural bronze polyester powder for superior resistance against the elements. One-piece die-cast aluminum lens frame with integral hinges held fastened with captive stainless steel hardware. Heat and shock resistant tempered glass lens is permanently sealed to lens frame via liquid silicone. Lens frame assembly is sealed to housing via continuous neoprene rubber gasketing. Premium porcelain socket equipped with vibration proof "lamp-grip" shell with reinforced center contact for positive fit,

ORDERING INFORMATION

Catalog No.	Watts	Lamp	Base	Volts★	Ballast	Weight
HIGH PRESSURE	SODIUM			14	7,777	
RMS335NLXL	35	E17	Medium	120 or 277	Reactor (NPF)	10 lbs.
RMS350NLXL	50	E17	Medium	120 or 277	Reactor (NPF)	10 lbs.
RMS370NLXL	70	E17	Medium	120 or 277	Reactor (NPF)	10 lbs.
RMS3100NLXL	100	E/B17	Medium	120 or 277	Reactor (NPF)	11 lbs.
RMS3150NLXL	150	E/B17	Medium	120 or 277	Reactor (NPF)	11 lbs.
METAL HALIDE						
RMS370MAL	70	ED17	Medium	120 or 277	HX-HPF	12 lbs.
RMS3100HMAL	100	ED17	Medium	277	Reactor (HPF)	11 lbs.
RMS3100MAL	100	ED17	Medium	120 or 277	HX-HPF	12 lbs.
MANUALEN SOL W	GVES VI. SW	10 400	W 10	100 100 10000	_94 W xxx=xxx	

LAMPS: All units are supplied with a medium base lamp. To order units without lamp, drop "L" in Cat. No. *Specify voltage.

OPTIONS

To order factory options add appropriate suffix to Cat. No.

Suffix

FUSING: Fusing protects HID circuitry in pole mounted installations. It is suggested that fuses are mounted with pole base for accessibility and ease of maintenance. For 120V and 277V Single fusingFS PHOTOCONTROL: (Button-Type) factory installed in housing backPCB

ACCESSORIES

The following are field installed accessories. Order by Cat. No.

Cat. No.

GLARE SHIELD: Architectural bronze painted aluminum sections may be field installed in patterns of two (at any corner) three side or four side configurations. Four side assemblied provide 15° cut-off, LEXAN VISOR: Clear, vandal-proof polycarbonate shield protects floodlight from rocks, air-gun pellets, or other missiles. Free air-flow between lens and visor prevents destructive or "browning" effect of heat build-up. To mount Glare Shield and Lexan visor on the same fixture, consult factoryRS552 CAST ALUMINUM MOUNTING PLATE: Finished in Duraplex II™ bronze polyester powder. Cast-in template mounts arm to CAST ARM ADAPTER: Attaches to arm for surface mounting on

□ OPTICS

One-piece injection molded for consistent performance. Reflector system precisely designed for IES Type III cutoff,

BALLAST

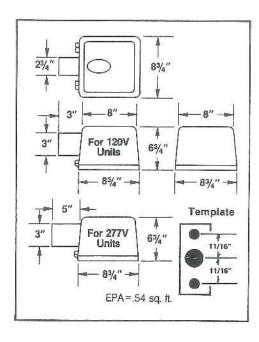
Reactor or HX-HPF ballast mounted to integral heat-sink for maximum heat dissipation to outside ambient.

☐ INSTALLATION

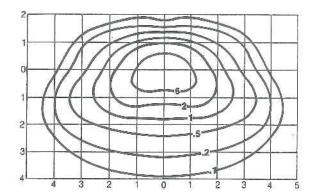
Cast aluminum mounting arm. Standard units surface mount on a minimum 4" square pole:

□ LAMP

Clear medium base as specified.



PHOTOMETRICS



CAT. NO.: RMS3150NLXL LAMP: 150W HPS, clear LUMENS: 16000 MOUNTING HEIGHT: 15 ft, IES Type II distribution,

CONVERSION TABLE for different mounting height

	10'	2.25	20'	.56
-	15'	1.00	25'	.36

Wat	tage	Conv	ersion

	go dorrrordion	
Watts	Multiplier	
35	.14	
50	.25	
70	.34	
100	.60	
150	1.00	
	Watts 35 50 70 100	Watts Multiplier 35 .14 50 .25 70 .34 100 .60

SUGGESTED SPECIFICATIONS

Fixture shall be outdoor weatherproof area lighter sharp cutoff luminaire for HID lamps. Housing and lens frame shall each be one piece corrosion resistant die-cast aluminum with radiused edges for corners with a EPA not exceeding .60. Luminaire shall be finished in Duraplex IIth dark bronze polyester powder. Fixture shall be furnished with an integral reactor ballast, mounted to die-cast housing for heat dissination.

Lens frame shall be one piece corrosion resistant die-cast aluminum with integral hinges and radiused corners held by two captive stainless steel fasteners. Lens frame will provide constant equal pressure on the neoprene gasket sealing the optical chamber from rain, dust and insects. Frame will retain an optically clear, heat and impact resistant tempered glass lens, silicone sealed and held in place with retainer clips. One extruded soft cornered mounting arm with access door to splicing chamber will be included with each luminaire.

The mounting arm construction shall allow for securing luminaire on a square or round pole, all

mounting hardware shall be hidden inside the arm. Mounting arrangements of one, two, three or four way shall be possible.

Reflector shall be injection molded with Solec® finish.

Fixture shall be equipped with deluxe, glazed porcelain lamp socket with nickel plated, vibration-proof "lamp-grip", screw shell and spring-loaded center contact. Sockets in high pressure sodium units shall be pulse-rated for 4 KV.

Specify Stonco RMS Cat. No. (specify).



170 U.S. Route One Falmouth, Maine 04105

Tel: 207.781.5242 Fax: 207.781.4245

September 21, 2001 File: 01143

Mr. Jonathan Spence CITY OF PORTLAND PLANNING DEPT. 389 Congress Street Portland, ME 04101

RE: 68 WALDRON WAY SITE PLAN

Dear Jonathan:

On behalf of Maine Parts and Machine, I am enclosing nine copies of the revised site plans for your review. The plans have been revised according to the comments in your September 17 email to me. I offer the following responses to those comments:

- All references to future building and parking have been removed from the drawings.
- I have revised the light pole detail per your request. Catalog cuts are included for your review. I have also included sample cuts for the wallmounted lights.
- Photometrics were included on the previous drawing, and have been updated for the new fixtures.
- The plant list has been revised per Jeff Tarling's request.
- The previously approved 30-foot preservation area along the back of the property is shown on all the plan views, and drawing C3 shows the limit of clearing line.

A number of other minor changes have been made as a result of the client's request:

- The dumpster enclosure has been revised from a stockade fence to a chain link fence with plastic privacy slats. The orientation of the pad has also been revised to improve access for garbage trucks.
- The number of parking spaces was incorrect on the previous submittal.
 Twenty-three spaces are now correctly shown, and minor adjustments to the grading and clearing limits were made.
- The building footprint was reduced slightly, as a result of ongoing design with the building architect.



Mr. Jonathan Spence CITY OF PORTLAND September 21, 2001 Page 2

I trust that these revised plans sufficiently answer your concerns. If you have any further questions, please do not hesitate to call. Our client is anxious to begin construction on this project as soon as possible, and looks forward to the City's approval.

Sincerely,

PINKHAM & GREER

Mark R. Bergeron, P.E.

Mah R Byeron

Cc: Bill Kelton, Maine Parts and Machine

MRB/s

Data Sheet

Citation Series

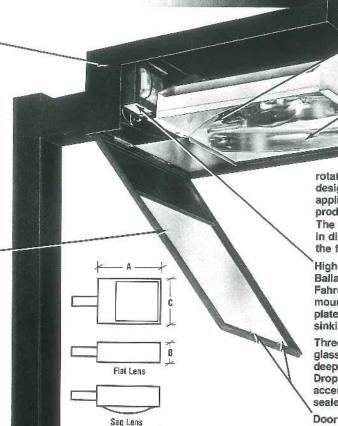
The one-piece aluminum housing is available in three sizes: small, medium and large. Corners are welded and finished to produce a clean, sharp appearance while increasing housing strength and ensuring weather-tight construction. One-piece construction eliminates the worry of moisture entering from poorly sealed top pans and side panels.

The Citation is designed to utilize any of the following lamp types: High Pressure Sodium, Super Metal Halide, Metal Halide or Deluxe Mercury Vapor.

Continuous one-piece EPDM gasket for maximum sealing.

The Citation is available in dark bronze, black, sandstone or white. Other colors are available on request. Paint is applied in a revolutionary superior baked-on powder coating, which gives the fixture an exceptionally attractive appearance. This unique polyester protection lets the fixture withstand extreme weather changes without cracking or peeling. Finish is guaranteed for five full years.

UL listed for wet locations.



CTS (Small)

CTL (Large)

CTM (Medium)

201/4"

25"

29"

6"

8"

10"

141/2"

1814"

21"

Porcelain sockets feature spring-reinforced contacts for longer life.

Segmented, modular, optical system creates uniformity and consistent photometric results. This standard Type III has a medium distribution for increased pole spacing. An optional

rotating Forward Throw (FT) reflector is designed for perimeter lighting applications to eliminate stray light and produce a sharp backside cutoff. The rotating feature enables flexibility in distribution patterns without moving

High power factor. Type CWA
Ballast designed for minus 20 degrees
Fahrenheit operation. The ballast is
mounted to housing reinforcing
plate which ensures maximum heatsinking for long life.

Three lens options: Clear flat tempered glass, clear sag tempered glass, or 31/2" deep clear dropped acrylic lens.

Dropped lens has a contrasting corner accent strip. All lenses are double-sealed into door frame.

Door fasteners on the medium and

large have one-quarter turn releases. The small Citation has two captive door fasteners.

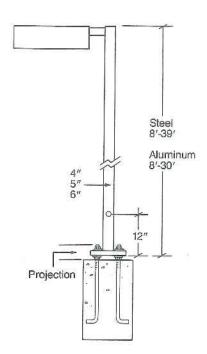
HOW TO ORDER LUMINAIRES

Select appropriate choice from each column.

Luminaire Prefix	Distribution	Lamp Wattage	Light Source	Lens	Line Voltage	Luminaire Finish	Options
CTS— Small	3—Type III FT—Forward Throw	50 70 100 150 175	HPS—High Pressure Sodium 50, 70, 100, 150 Watt SMH—Super Metal Halide 175 Watt MH—Metal Halide 175 Watt DX—Deluxe Mercury Vapor 100, 175 Watt	F—Clear Flat Tempered Glass	120V 208V 240V 277V 480V MT—Multi Tap	BRZ—Bronze Paint BLK—Black Paint SAN—Sandstone Paint WHT—White Paint SPL—Special	PCR—Photoelectric Control LL—Less Lamp CL—Coated Lamp FS—Fusing FD—Double Fusing HSS—House Side Shield PLS—Polycarbonate Shield NO—No Options
NGENERAL DE MINORALE	3—Type III FT—Forward Throw	200 250 400	HPS—High Pressure Sodium 200, 250, 400 Watt SMH—Super Metal Halide 250, 400 Watt MH—Metal Halide 250, 400 Watt DX—Deluxe Mercury Vapor 250, 400 Watt	F—Clear Flat Tempered Glass S—Clear Sag Tempered Glass DC—Clear Dropped Acrylic			no spasne
CTL- Large	3—Type III FT—Forward Throw	1000	HPS—High Pressure Sodium 1000 Watt MH—Metal Halide 1000 Watt DX—Deluxe Mercury Vapor 1000 Watt	F—Clear Flat Tempered Glass S—Clear Sag Tempered Glass	А		

Dropped Lens

Pole and Bracket Specification



POLES (Straight 4", 5" and 6" Sq. Poles)

Steel Specifications

- Pole shaft is electro-welded ASTM-A500 Grade B steel tubing with a minimum yield strength of 46,000 PSI.
- Base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 PSI.
- Standard finish is prime. Bronze, black, sandstone or white finishes are optional.

Aluminum Specifications

- Pole shaft is seamless 6063-T6 alloy extruded aluminum tubing.
- · Base is ALMAG-35 high-strength cast aluminum.
- Finishes available: Natural brushed aluminum, or anodized bronze, black, and clear; or painted bronze, black, sandstone or white.
- Two-piece fabricated aluminum base cover is standard.

Specifications Common to Steel & Aluminum Poles

- Poles are furnished with anchor bolts with zinc plated double nuts and washers. Galvanized anchor bolts are optional. Anchor bolts conform with ASTM-A36 with a minimum yield strength of 36,000 PSI.
- Hand-hole is 12" above pole base. 48" above pole base is optional.
- · Weatherproof duplex receptacle is optional. (GFI not available.)

HOW TO DETERMINE WHAT TO ORDER:

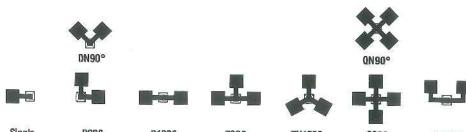
- Select bracket configuration. Example: Double 90° (D90)
- Refer to Fixture EPA Chart to determine EPA value.
 Example: Medium Citation with 12" bracket (4.0)
- Select height of pole and material. Example: 24' steel
- Choose the EPA that is equal to or exceeds the fixture's EPA, as was previously determined. Example: Medium Citation, (4.0) — Steel poles 5x5 and up will meet EPA requirements for 100 MPH.
- Select bracket mounting method. Example: WO Weld-On

TO OBTAIN ORDER CODE:

- Choose pole series. Example: 5SQWCTM (5" square pole for use with Weld-On bracket.)
- Add material. Example: S11G
- Add height. Example: 24'
- Add bracket configuration. Example: D90
- · Add pole finish. Example: SAN
- Add any options. Example: 5BC

► All LSI poles are guaranteed to meet the EPA requirements listed. Please follow the directions on "How To Determine What To Order" closely. This will indicate which poles can satisfy your EPA requirements. LSI is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located. Caution: The LSI guarantee does not apply if the pole/bracket/fixture combination is used to support any other items, such as flags, pennants, or signs, which would add stress to the pole. LSI cannot accept responsibility for harm or damage caused in these situations.

EPA CHART Includes bracket.

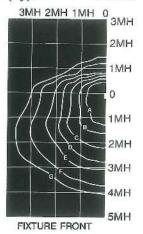


		Single		D90° D180°				T90° TN120°			0	Q90°	Paratlet								
	F	DL	S	F	DL	S	F	DL	S	F	DL	S	F	DL	S	F	DL.	S	F	DL	2
Small Citation (CTS) 12" Bracket	1.7	-	1200	2.6	1	0.55	3.3	_	8	4.2	_	- 1	4.5	_		5.0	_	_	_	Die.	
Medium Citation (CTM) 12" Bracket	2.6	3.5	3.0	4.0	5.7	4.7	5.1	7.0	5.8	6.5	9.1	7.5	7.0	9.8	8.1	-	11.2	9.2	_	_	_
Medium Citation (CTM) 24" Bracket	3.0	3.9	3.4	4.4	6.1	5.1	6.1	8.0	1178-1178-1		10.1	8.5	11111111111	10.8				10.2	_	_	_
Meium Citation (CTM) 36" Bracket	3.5	4.4	3.9	4.9	6.6	5.6	7.0	8.9	7.7		11.0	10.500	0,000,00	11.8		-	13.1	10.00.000	100		
Large Citation (CTL) 12" Bracket	3.4	_	3.9	5.5	_	6.4	6.8	_	7.9	8.9	_	10.3				10.9	2.00	12.7		_	
Large Citation (CTL) 24" Bracket	4.0	_	4.5	6.1		7.0	7.9	-			_	11.4		_		12.0		13.8	_	T	_
Large Citation (CTL) 36" Bracket	4.6	122	5.1	6.7	-	7.6	9.1		10.2		_	12.6				13.2		15.0	_	-	-
Large Citation (CTL) 48" Bracket	5.1	5/2	5.6	7.2		8.2				12.4		13.8			-	14.4	_	16.2	6.4	_	7.3

Note: F-Flat Glass, DL-Drop Lens, S-Sag Glass

PHOTOMETRIC DATA

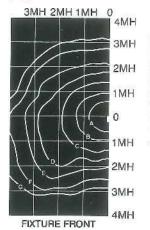
400W High Pressure Sodium (Single) (Type FT — Forward Throw Distribution)



HT.	A	В	C	D	E	E	G
16'	15.6	7.8	3.1	1.6	.78	.31	.16
18'	12.3	6.2	2.5	1.2	.62	.25	.12
20'	10.0	5.0	2.0	1.0	.50	.20	.10
22'	8.3	4.1	1.7	.8	.41	.17	.08
24'	6.9	3.5	1.4	.7	.35	.14	.07
26′	5.9	3.0	1.2	.6	.30	.12	.06
28′	5.1	2.6	1.0	.5	.26	.10	.05
30'	4.4	2.2	.9	.4	.22	.09	.04

LUMEN RATING 50,000 MH REFERS TO MOUNTING HEIGHT

400W High Pressure Sodium (Single) (Type III Medium Distribution)



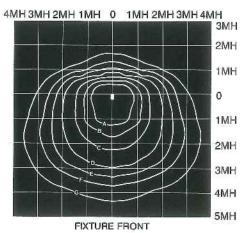
MTG. HT.	А	В	С	D	Ε	F	G
16'	15.6	7.8	3.1	1.6	.78	.31	.16
18'	12.3	6.2	2.5	1.2	.62	.25	.12
20'	10.0	5.0	2.0	1.0	.50	.20	.10
22'	8.3	4.1	1.7	.80	.41	.17	80.
24'	6.9	3.5	1.4	.70	.35	-14	.07
26'	5.9	3.0	1.2	.60	.30	.12	.06
28'	5.1	2.6	1.0	.50	.26	.10	.05
30'	4.4	2.2	.90	.40	.22	.09	.04

LUMEN RATING 50,000 MH REFERS TO MOUNTING HEIGHT

EASY FIELD-ROTATED FORWARD THROW DISTRIBUTION FOR CTL ONLY

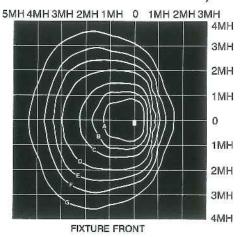
1000W High Pressure Sodium (Single)
(Type FT — Forward Throw Non-Rotated Distribution)

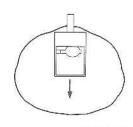
1000W High Pressure Sodium (Single) (Type FT — Forward Throw Rotated Distribution)

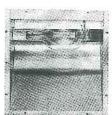


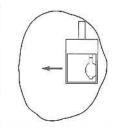
HT.	Α	8	C	D	E	F	G
16'	31.25	15.63	7.81	3.13	1.56	.78	.31
18'	24.69	12.35	6.17	2.47	1.23	.62	.25
20'	20.00	10.00	5.00	2.00	1.00	.50	.20
22'	16.53	8.26	4.13	1.65	.83	.41	.17
24'	13.89	6.94	3.47	1.39	.69	.35	.14
26'	11.83	5.92	2.96	1.18	.59	.30	.12
28'	10.20	5.10	2.55	1.02	.51	.26	.10
30'	8.89	4.44	2.22	.89	.44	.22	.09

LUMEN RATING 140,000 MH REFERS TO MOUNTING HEIGHT











Note the flexibility in distribution pattern allowed by the field-rotated reflector.

BOLT CIRCLE	11" B"	11"	11"	8"	99/4"	121/2"	12"
	B	С	D	F	Ğ	Н	J
Bolt Circle	Slotted 8" to 11"	11"	11"	Slotted 8" to 11"	Slotted 93/4" to 11"	Slotted 11" to 121/2"	12"
Anchor Bolt Size	3/4"×30"	3/4"×30"	1"×36"	3/4" × 30	3/4" × 30"	1"×36"	1"×36"
Anchor Bolt Projection	31/4"	31/4"	31/2"	4"	31/2"	4"	4"
Base Plate Thickness	3/4"	3/4"	1″	1"	1"	1"	11/6"

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for base plate templates.



Perimashield® II Glass — PGS-A Series

Cutoff Luminaire

The Perimashield luminaire is ideal for exterior wall and area lighting applications where sharp cutoff is required. This versatile fixture features adjustable cutoff from 70° to 90° to reduce light trespass and high angle glare.

Lighting Applications

The Perimashield Series is ideally suited for security lighting applications as well as commercial and architectural exterior wall and area lighting for parking lots, office building, stores, shopping centers, fast food restaurants, banks, warehouses, and parking garages.

Front Access Lens/Door Assembly

Full front access is available by hinging front door. Two Hubbell Gard® hex head fasteners provide tight seal to door gasket. Die cast aluminum door frame securely holds 3/8" thick clear borosilicate glass lens. Glass is thermal shock and impact resistant. Designed to provide a rectangular cutoff distribution. Field adjustable medium base socket allows increased cutoff. Lift and shift lens door assembly for removal.

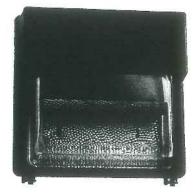
Rear Housing

One piece, heavy duty, die cast for long life and cooler operation. Bronze Lektrocote® finish is standard. Mounts over 3 1/2" or 4" recessed junction box. Includes two 1/2" side entries for surface conduit mounting.

Reflector

Precision formed hammered aluminum for optimum performance.

Class H insulated, -40°F starting (-20°F for MH), 60 Hz HPF. An aluminum ballast compartment cover isolates electrical components from the optical assembly.



WALL- MOUNTED

LIGHT



Nationally recognized testing laboratory listed. Full compliance to both UL and CSA standards. For use in damp or wet locations

Additional Features

- · Field adjustable socket for variable cutoff angle
- · Bronze Lektrocote® finish
- New side photocontrol hub (order field installed PBT Series)
- Accessory mounting bracket for single and double pole mounted Perimaliter luminaires (PVL-PT)
- Medium base socket (lamp included)
- Through branch rated, 90° C wire needed

ORDERING INFORMATION

Catalog Number 1	g Number ¹ Wattage Voltage/Ballast		We	Weight		
	arage	vollagerballast	lbs.	kg		
	HIGH	PRESSURE SODIUM	- 1, Th 10	WHI E		
PGS-A070S-128-1	70	Quad/AL (HPF)	18	8		
PGS-A070S-521-1	70	120/Reactor (NPF)	20	9		
PGS-A100S-128-1	100	Quad/AL (HPF)	18	8		
PGS-A100S-521-1	100	120/Reactor (NPF)	21	9		
PGS-A150S-128-1	150	Quad/AL (HPF)	18	8		
PGS-A150S-521-1	150	120/Reactor (NPF)	22	10		
3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· 2	METAL HALIDE				
PGS-A070H-128-1	70	Quad/PLA (HPF)	22	10		
PGS-A100H-128-1	100	Quad/PLA (HPF)	22	10		
PGS-A175H-128-1	175	Quad/PLA (HPF)	23	10		

Lamp included.

Note: For electrical data, see HID Ballast Data starting on page 610.

Note: For Tri-Tap (120, 277, 347V) change 8 to 6. (For Quad-Tap ballasts 208 & 240V, not CSA.)

Note: Accessories must be ordered separately. See Accessories on page 540.

HUBBELL LIGHTING, INC. 2000 ELECTRIC WAY CHRISTIAN BURG VA 24073-2500 540) 382-6111



CITY OF PORTLAND

September 24, 2001

Mr. Mark Bergeron Pinkham and Greer Consulting Engineers, Inc. 170 U.S. Route One Falmouth, ME 04105

RE:

68 Waldron Way Lot #14

(ID# 2001-0177, CBL#306-B-18)

Dear Mr. Bergeron:

On September 24, 2001 the Portland Planning Authority granted minor site plan approval with the following condition for the construction of a 15,000 square foot machine shop with associated parking, loading docks and landscaping improvements at 68 Waldron Way.

Condition: That the applicant submits catalog cuts for all pole and wall mounted fixtures with accompanying photometrics in compliance with the City of Portland's lighting standards for staff review and approval.

The approval is based on the submitted site plan. If you need to make any modifications to the approved site plan, you must submit a revised site plan for staff review and approval.

Please note the following provisions and requirements for all site plan approvals:

- 1. The site plan approval will be deemed to have expired unless work in the development has commenced within one (1) year of the approval or within a time period agreed upon in writing by the City and the applicant. A one-year extension may be granted by this department if requested by the applicant in writing prior to the expiration date of the site plan.
- 2. A performance guarantee in a form acceptable to the City of Portland and an inspection fee equal to 2.0% of the performance guarantee will have to be posted before beginning any site construction or issuance of a building permit.
- 3. A defect guarantee, consisting of 10% of the performance guarantee, must be posted before the performance guarantee will be released.
- 4. Prior to construction, a pre-construction meeting shall be held at the project site with the contractor, development review coordinator, Public Work's representative and owner to review the construction schedule and critical aspects of the site work. At that time, the site/building contractor shall provide three (3) copies of a detailed construction schedule to the attending City

- representatives. It shall be the contractor's responsibility to arrange a mutually agreeable time for the pre-construction meeting.
- 5. If work will occur within the public right-of-way such as utilities, curb, sidewalk and driveway construction, a street opening permit(s) is required for your site. Please contact Carol Merritt at 874-8300, ext. 8822. (Only excavators licensed by the City of Portland are eligible.)

The Development Review Coordinator must be notified five (5) working days prior to date required for final site inspection. The Development Review Coordinator can be reached at the Planning Department at 874-8632. Please make allowances for completion of site plan requirements determined to be incomplete or defective during the inspection. This essential as all site plan requirements must be completed and approved by the Development Review Coordinator prior to issuance of a Certificate of Occupancy. Please schedule any property closing with these requirements in mind.

If there are any questions, please contact the Planning Staff.

Sincerely,

Alexander Jaegerman

Chief Planner

cc: Jonathan Spence, Planner

Sarah Hopkins, Development Review Services Manager

P. Samuel Hoffses, Chief of Building Inspections

Marge Schmuckal, Zoning Administrator

Tony Lombardo, Project Engineer

Jay Reynolds, Development Review Coordinator

William Bray, Deputy Director/City Traffic Engineer

Nancy Knauber, Associate Engineer

Jeff Tarling, City Arborist

Penny Littell, Associate Corporation Counsel

Lt. Gaylen McDougall, Fire Prevention

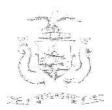
Inspections Department

Lee Urban, Director of Economic Development

Don Hall, Appraiser, Assessor's Office

Susan Doughty, Assessor's Office

Approval Letter File



CITY OF PORTLAND

23 August 2001

Mr. William W. Kelton, Partner, Kelton Real Estate Holdings, LLC, P.O. Box 407, Westbrook, Maine 04101.

> RE: 68 Waldron Way Lot Owners Membership in Association Recent Dykem Submittals

Dear Mr. Kelton:

Thank you for your respective submittals of August 16, 2001 and August 20, 2001 re your intent to join the Waldron Way Lot Owners Association responsible for the maintenance of the pump station, sewer system, and subsurface storm drain system (including the association person to contact) as well as the eleven Dykem Inks set of truly legible, up-to-date, Material Safety Data Sheets!

If I can be of further assistance, please call me at 874-8832.

Sincerely,

CITY OF PORTLAND

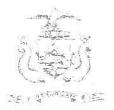
Frank J. Brancely, BA, MA.

Senior Engineering Technician

FJB Cc:

Stephen K. Harris, Assistant Engineer, of the City of Portland

Desk File



CITY OF PORTLAND

23 August 2001

Mr. Mark Bergeron, P.E., Pinkham & Greer, 170 U.S. Route One, Falmouth, Maine 04105

> RE: The Capacity to Handle Wastewater Flows, From #68 Waldron Way, Site of a Proposed Machine Shop.

Dear Mr. Bergeron:

The existing eight-inch diameter polyvinyl chloride (PVC) sanitary sewer pipe located in Waldron Way, has adequate capacity to transport the anticipated wastewater flows of 400 GPD, from a proposed machine shop (Maine Parts & Machine). The Portland Water District sewage treatment facilities, located off Marginal Way, have adequate capacity to treat the anticipated wastewater flows of 400 GPD, from a proposed machine shop (Maine Parts & Machine).

Anticipated Wastewater Flows from the Proposed Machine Shop

Proposed 20 Employees @ 20 GPD/Employee Total Proposed Increase in Wastewater Flows for this Project = 400 GPD

 $=\overline{400}$ GPD

The City combined sewer overflow (C.S.O.) abatement consent agreement, with the U.S.E.P.A. and the Maine D.E.P., requires C.S.O. abatement, as well as Stormwater mitigation, from all projects, in order to offset any increase in sanitary flows.

If I can be of further assistance, please call me at 874-8832.

Sincerely,

CITY OF PORTLAND

Frank J Brancely, B.A., and M.A

Senior Engineering Technician

FJB

cc:

Alexander Q. Jaegerman, Acting Co-Director, Department of Planning, and Urban Development, City of Portland Sarah G. Hopkins, Senior Planner, Department of Planning, & Urban Development, City of Portland Katherine A. Staples, P.E., Engineering Manager, City of Portland

Bradley A. Roland, P.E., Environmental Projects Engineer, City of Portland

Anthony W. Lombardo, P.E., Project Engineer, City of Portland

Stephen K. Harris, Assistant Engineer, City of Portland

Desk file

O:\Engshare\FJB\Capacity Letters C:\Frank's\Capacity Letters



170 U.S. Route One Falmouth, Maine 04105 Tel: 207.781.5242 Fax: 207.781.4245

MEMORANDUM

TO:

Jonathan Spence, City of Portland

FROM:

Mark R. Bergeron, P.E. 4

DATE:

July 26, 2001

RE:

WALDRON WAY SITE PLAN

FILE:

01143

Per your request, I am enclosing a description of how the Waldron Way site plan conforms to the Performance Standards of the I-M zone, per Section 14-252 of the Portland Land Use ordinance:

- (1) Noise: The machine shop is not expected to generate a significant amount of noise perceptible outside of the building. Many of the machines are self-contained and enclosed, reducing noise impacts.
- (2) <u>Electromagnetic Interference</u>: The machinery is not expected to cause any significant electromagnetic interference to surrounding properties.
- (3) <u>Vibrations:</u> No vibrations are expected to be generated as a result of this project.
- (4) Glare, heat: All the machine shop equipment will be operated inside the building, so no glare or heat should be perceptible by adjacent properties.
- (5) <u>Discharge of toxic or noxious matter:</u> Solid waste generated on site include scrap metal, and general office waste. The scrap metal is stored inside the building, and then hauled offsite to a recycle yard. A dumpster will handle the office waste. No other discharge is proposed.
- (6) Odor: No significant odors are expected to be generated by this project.
- (7) Smoke: No smoke should be generated by this project.
- (8) Emissions: No significant emissions should be generated by this project, and any emissions produced will be in accordance with applicable state and federal regulations.
- (9) Radiation: No radiation will be produced or utilized at this site.
- (10) <u>Discharge into sewers:</u> The only discharge into the sewer will be from bathrooms and kitchen facilities in the building. No floor drains are proposed.

- (11) <u>Lighting:</u> Two freestanding light poles will be constructed in the parking area, and will have cut-off fixtures. The lights will not illuminate adjacent properties, and will be further buffered by existing trees along the edge of the property.
- (12) Traffic: The bulk of traffic generated by this facility will be employees entering and leaving the site each day. Some truck traffic will deliver raw materials, pickup finished products, and remove waste. All traffic will utilize Waldron Way to Riverside Street.

I hope that this provides you with the information that you were seeking. Please call me if you need further clarification.



170 U.S. Route One Falmouth, Maine 04105

Tel: 207.781.5242 Fax: 207.781.4245

September 10, 2001 File: 01143

Mr. Jonathan Spence CITY OF PORTLAND PLANNING DEPT. 389 Congress Street Portland, ME 04101

RE: 68 WALDRON WAY SITE PLAN

Dear Jonathan:

Thank you for the comments dated August 21, 2001, for this project. I apologize in getting this package back to you. I have enclosed nine copies of the revised plans for your review. I offer the following responses to your comments:

- I have added some grading details to the loading dock. Our intention is to drain it by sloping the pavement, and not installing a trench drain.
- 2. I have revised the detail to show filter fabric around the crushed stone.
- I have revised the parking lot grading so that it all drains to a new catch basin, then to the current storm drain line around the back of the building. If the future addition and parking gets built, an oil/grit separator, such as a Vortechnics or Downstream Defender unit, can be added to the storm drain line as shown, before the pipe discharges to the stream. This effectively treats a majority of the paved surface on site, including roof runoff. The unit will be sized accordingly in the future based on the parking layout.
- 4. Enclosed you will find a printout of a Hydrocad analysis for the portion of the site that drains to the proposed storm drain system, and the existing catch basins in Waldron Way. I ran the model for the portion of the site that drains to Waldron Way, and to the proposed catch basins. I calculated the runoff rate for the existing and developed conditions by defining the watersheds, accounting for different ground conditions, (i.e., pavement, grass, trees, etc.), slopes, soil types, etc. I ran the model for the 25-year storm, which is 5.40 inches of rain in a 24-hour period. The runoff to the existing catch basins in Waldron Way appears to be principally limited to gutter flow in the road, since the site slopes away from the road. The developed condition sends a small amount of additional drainage from the front part of the landscaped area and parking areas into Waldron Way. The increase



Mr. Jonathan Spence CITY OF PORTLAND September 10, 2001 Page 2

- 5. in flow depth in the existing storm drain lines in Waldron Way is about 0.5 inch, which should not cause an adverse impact to the storm drain system. My analysis shows that the proposed storm drain has the capacity to handle runoff from the 25-year storm. Roof drains will direct runoff into the proposed storm drain system.
- Photometric details and catalog cuts for the proposed fixtures are included for your review.
- A dumpster enclosure detail has been added to the plans.
- 8. No exterior equipment is proposed, except rooftop mechanical units. See the next item for details.
- 9. No LP gas or underground fuel tanks are proposed. I have enclosed catalog cuts for the rooftop mechanical units for your review. You will notice that these are fairly low-profile units, and should not be very visible from adjacent properties. The units are not expected to generate any noise in excess of the ambient noise level of the industrial subdivision.
- 10. I have added some trees along the front of the building to enhance our proposed landscaping. I believe that the proposed landscaping will nicely enhance the building, along with the existing stand of trees near the building entrance.
- 11. This machine shop does not anticipate generating large numbers of truck trips. The occasional semi-trailer to the site may utilize the nearby cul-de-sac, and then back in to the loading dock from the right travel lane. I do not believe that the traffic patterns on the dead-end Waldron Way warrants any additional signage.

I trust that these revised plans, responses, and backup sufficiently answers your concerns. If you have any further questions, please do not hesitate to call. Our client is anxious to begin construction on this project as soon as possible, and looks forward to the City's approval.

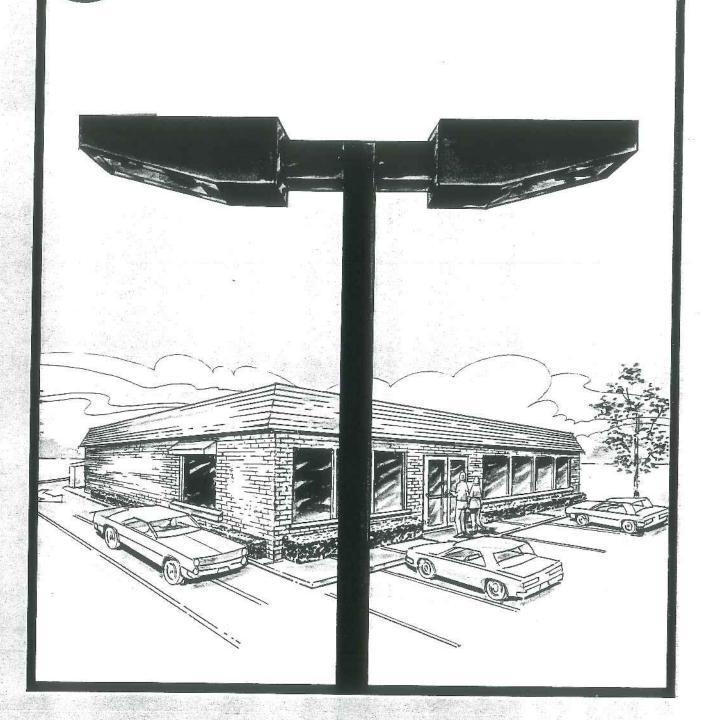
Sincerely,

PINKHAM & GREER

Male R Byeron

Mark R. Bergeron, P.E.

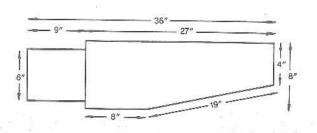
SECURITY LIGHTING SYSTEMS, INC.

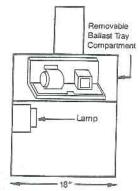


The Wedge series

Its unique styling evolves around a universal optical assembly for both long range and wide beam distribution. Its bold, modern design will meet the challenges of any lighting needs.

Fixture Specifications





Fixture Ordering Information

Cat. # WL	250 HPS	DB — Dark	 MT – Multi-Tap Ballast
	400 HPS	Bronze	(120, 208, 240 & 277)
	1000 HPS 250 MH 400 MH	TB — Textured Black	480V
	1000 MH	W - White	
	250 MV 400 MV	AD — Almond	
	1000 MV	Consult factory fo	or other finishes.

Features:

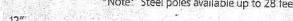
- A completely waterproof onepiece formed aluminum housing.
- Access to lamp and ballast compartments thru hinged door assembly.
- One-piece tempered glass lens oriented at 17° above horizontal for maximum performance with minimal back light.
- Optical system fabricated of polished alzak aluminum.
 Provides for optimum efficiency for long and wide light distribution.
- Luminaire finished in weatherproof powder-coat paint.
- Available with photoelectric control.
- Available with polycarbonate shield.
- Suitable for wall mounting consult factory.
- Suitable for tenon top pole mounting – consult factory.

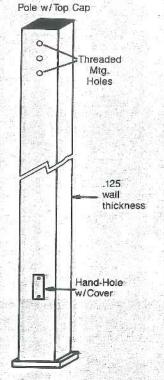
Pole Specifications

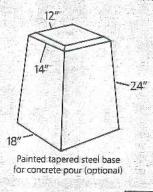
Features:

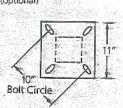
- Square steel pole finished with weatherproof rust preventative paint. (Wrapped for protection.)*
- 2. 4 galvanized anchor bolts, 3/4" × 36" plus 3" hook, with galvanized nuts ar. washers provided. (1-jam nut, 2-hex nuts, 2-flat washers per bolt)
- 3. Furnished with metal template.
- 4. Handhole provided.
- 5. Optional decorative anchor bolt cover.
- 6. Optional painted, tapered steel pole base for concrete pour (pictured below).
- 7. 4" square pole up to 20 feet; 5" square pole from 20 28 feet.

 *Note: Steel poles available up to 28 feet.





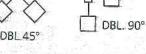




Pole Ordering Information

Cat. #SSP-__ (Specify pole height) -___ (Example: SSP-<u>18-SGL</u>.)

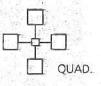












SECURITY LIGHTING SYSTEMS, INC.

Performance Designed Lighting Products

E ONE-PIECE ALUMINUM HOUSING IS AVAILABLE IN TWO SIZES: PORCELAIN DIUM AND LARGE. CORNERS ARE WELDED AND FINISHED PRODUCE A CLEAN, SHARP APPEARANCE PORCELAIN MOGUL-BASE ILE INCREASING HOUSING STRENGTH AND SOCKETS FEATURE JURING WEATHER-TIGHT CONSTRUCTION, SPRING-REINFORCED JE-PIECE CONSTRUCTION CONTACTS FOR LONG JUNATES THE WORRY OF ISTURE ENTERING FROM DRLY SEALED TOP PANS AND ALL CLASSIC FIXTURES ARE E PANELS. AVAILABLE WITH A FORWARD THROW (FT) REPLECTOR SYSTEM TO ELIMINATE STRAY LIGHT AND PRODUCE A 2-1/2" x 6" x 8" ALUMI SHARP BACKSIDE CUTOFF. REFLECTOR ASSEMBLY M BOLT-ON BRACKET AS COMBINES HAMMERTONED AND SPECULAR ALUMINUM TO PRED WITH A MEDIUM MAINTAIN SHAPE OF CONTOUR OPTICS. THIS PROVIDES ASSIC (CLM), A 2-1/2" x HIGH EFFICIENCY AND LOW DISTORTION OF OPTIC x 12" ALUMINUM BOLT-ON CURVE. ALL PHOTOMETRIC DATA IS CERTIFIED BY AN CKET IS SHIPPED WITH A INDEPENDENT TESTING FACILITY. IGE CLASSIC (CLL). AN 8" CKET IS AVAILABLE FOR L IN SINGLE AND D180° HIGH-POWER FACTOR TYPE BALLAST IS DESIGNED FOR NEIGURATIONS, IT MUST BE MINUS 20 DEGREES FAHRENHEIT OPERATION. THE DERED FROM THE OPTIONS BALLAST IS MOUNTED TO HOUSING REINFORCING PLATE JUMN OF THE ORDERING WHICH ENSURES MAXIMUM HEAT-SINKING FOR LONG LIFE. ART. REFER TO POLES! VOKETS SECTION OF NDENSED CATALOG CONTINUOUS ONE-PIECE EPDM GASKET FOR ! OTHER MOUNTING OPTIONS, MAXIMUM SEALING. ICH MUST BE ORDERED ARATELY. A ROUND POLE TE (RPP) IS REQUIRED FOR THE CLASSIC FEATURES AN ALUMINUM DOOR FRANE CLEAR THAT YOU SAFELYE, FRATEREDS GLASS LENS UNTING TO 3" - 5" ROUND PROVIDES A HORIZONTAL SECTION WHICH CONTROLS LES (SEE ACCESSORY BACK SPILL AND ENABLES A SHARP CUTOFF. A DERING INFORMATION). 17-DEGREE ABOVE-HORIZONTAL ANGLED APERTURE Listed for wet locations PRODUCES A HIGH OBLIQUE LIGHT PATTERN. LENS IS SEALED TO LENS FRAME WITH SILICONE SEALANT.

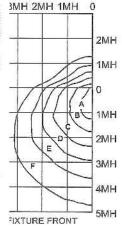
IE CLASSIC SERIES IS DESIGNED TH MOGUL-BASE SOCKETS.

TO OPERATE WITH HIGH PRESSURE SODIUM, SUPER METAL HALIDE, OR METAL HALIDE LAMPS - ALL

andard finish colors are bronze, black, platinum plus, buff, white and green. DuraGrip', LSI's revolutionary baked—on polyester-wder finishing process, gives the fixture an exceptionally attractive appearance. This unique polyester protection let's the fixture thstand extreme weather changes without cracking or peeling. Finish is guaranteed for five full years.

PHOTOMETRICS

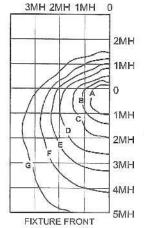
JW Super Metal Halide 'pe FT – Forward Throw Distribution)



MTG. HT.	А	В	С	D	E	F
12"	27.8	13.9	5.6	2.8	1.4	.56
14'	20.4	10.2	4.0	2.0	1.0	.41
16'	15.6	7.8	3.1	1.6	.78	.31
18'	12.4	6.2	2.5	1.2	.62	.25
20'	10.0	5.0	2.0	1.0	.50	.20
22'	8.3	4.1	1.7	.83	.41	.17
24'	6.9	3.5	1.4	.69	.35	.14
26'	5.9	3.0	1.2	.59	.30	.12
28'	5.1	2.6	1.0	.51	.26	.10
30'	4.4	2.2	.89	.44	.22	.09

LUMEN RATING 40,000 MH REFERS TO MOUNTING HEIGHT LEVELS SHOWN ARE IN FOOTCANDLES

1000W Metal Halide (Type FT – Forward Throw Distribution)

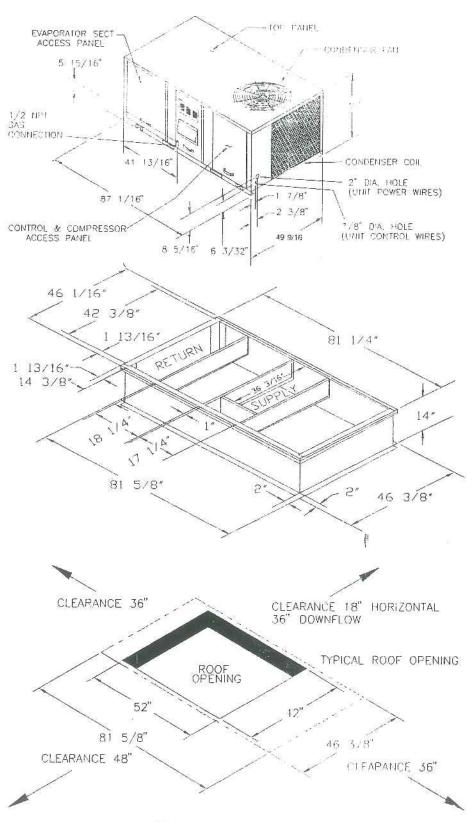


MTG. HT.	Α	В	С	D	Ε	F	G
16'	31.3	15.6	7.8	3.1	1.6	.78	.31
18'	24.7	12.3	6.2	2.5	1.2	.62	.25
20'	20.0	10.0	5.0	2.0	1.0	.50	.20
22'	16.5	8.3	4.1	1.7	.83	.41	.17
24'	13.9	6.9	3.5	1.4	.69	.35	.14
26'	11.8	5.9	3.0	1.2	.59	.30	.12
28'	10.2	5.1	2.6	1.0	.51	.26	.10
30'	8.9	4.4	2:2	.89	.44	.22	.09
35'	6.5	3.3	1.6	.65	.33	,16	.07
391	5.3	2.6	1.3	.53	.26	.13	.05

LUMEN RATING 107,800 MH REFERS TO MOUNTING HEIGHT LEVELS SHOWN ARE IN FOOTCANDLES

Dimensional 61/4,71/2 Ton Standard Efficiency Data 5,6,7,71/2 Ton High Efficiency

All dimensions are in inches.

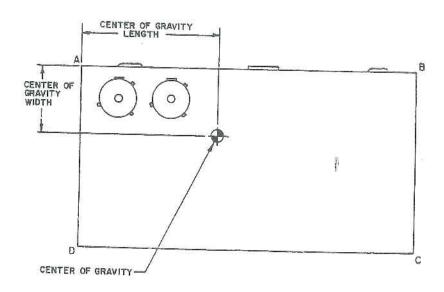


Weights

Table 88-1 Maximum Unit And Corner Weights (Lbs) And Center Of Gravity Dimensions (In.)

Tons	Unit Model Na.	Maximum Weights (Lbs) ²		Corner Weights (Lhs) 1				Center of Gravity (In.)	
		Shipping	Net	A	В	С	D	Length	Width
3	YCD036C/YCD037C	792/811	621/651	209/217	158/159	116/101	138/151	37/36	025.01
4	YC+048C,/YC+049C	811/845	639/672	216/221	159/168	123/131	142/153	37/37	19/20
5	YC#060C,/YC#061C	831/901	659/713	219/230	163/176	126/137	152/170		19/20
6.614	YC*075C/YC*074C	938/956	750/767	238/240	192/199	144/151	176/177	36,38 39/40	20/21
7,7½	YC*090C/YC*086C Single Compressor	982/965	793/777	262/246	203/199	151/151	177/180	39/39	21/21
	YC#090D/YC#091D Dual Compressor	1044/1057	855/869	297/298	208/214	151/140	199/200	; t = ', ? T	20/20
81/2	YC#102C/YC#103C	1169/1532	962/1233	329/395	244/326	165/231	223/280	28/13	20/26
10	YC*120P a torc	27.4% (199) 1891	12 (7)28 (1522	125/33a 516	371/202 1 9 8	2012 + (21)	276/227 251	11/22	25/20
1239 -	YO#150C/YO#1 TC	1599/1916	1300/1547	430/523	347/383		++ -+	+ 72 17 272	
15	YOR BREAKENING	1900/2176	1538/2017	535/693	387/507	231.2.1	294/370	45515	26/30
1716	YG#2100/YG#9*1G	1987/2547	1619/2088	553/593		259/345	357/472	45/52	29/35
20	YC*240B/YC*241C	2415/2645	1995/2186	656/751	415/538	279/369	372/480	46/53	29/35
25	YC#300B/YC#301C	2525/2650	2105/2191	701/755	503/568	352/373	459/494	53/53	35/34
NOTE:			£100/£101	(0.1/130)	537/569	376/373	491/495	53/53	35/34

NOTE:
1. Corner weights are given for information only, 81%-25 ten units must be supported continuously by a curb or equivalent frame support.
2. Weights are approximate. Horizontal and Downflow unit and corner weights may vary slightly.



General Data

F. G'a. T/2 Ton CENTRAL A SOUTH ENGINE

able 10-1 Ganeral Data					-110		714 Ton D	awnflow a	nd Horizoni	al
		on Downtlov	v and Ho	erizontal 3, C4. CW	6% Ton and Ho YC*075C3		Single Compre YC#090C3, C4	SSCI	Dual Com YC#090D3	pressor
	AC*06	0001 10	J#00000	3, 01. 01.					90.0	100
ooling Performance! Gross Cooling Capacity EER/SEER? Nominal CFM / ARI Rated CFM	64,000 —/9,85 2,000/2,000 61,500		62,500 /10.00 2,000/2,000 60,000		76,000 9.00/ 2,500/2,188 72,000		92,000 9,007— 3,000/2,62 88,000 ^a	5	9.00° 3,000/ 86,0 9.	°/.— 2,625 100°
ARI Net Cooling Capacity Integrated Part Load Value ³ System Power (KW)	6.5	3	6.		8.	00	9.78ª		9,5	
leating Performance* Heating Models	Law 90.000	High 135,000	Low 90,000	High 135,000	Lew 120,000	High 205,000	120,000 205	igh 5,000 5,000	Low 120,000	High 205,000 150,000
Heating Input (Bluin) 1st Stage (2 Stage Only) Heating Output (Bluin)	70,000	105,000	73,000	109.000	97,000	150,000 166,000 122,000	97,000 160 12	5,000 2,000	97,000 81	166,000 122,000 81
tst Stage (2 Stage Only) AFUE% ⁵ Steady State Efficiency (%)	78 80.0	78 80.0	81 81.0	81 81.0	81 81.0	81 61.0		81 31.0	81.0	81.0 1 2
No Stages		1 1 ~ 1/2		1 1 1/2	1	1/2	1/2			1/2
Gas Connection Pipe Size (In.)		····			UO	imatuff	I/Trane	н /	2/01	imatuff
Compressor No./Type	L'Oli	natuff®		limatuif		imatuff	8.6		1	8.8
Sound Platting (BELS)6		9.6		8.6		8.8	High-Perlon	nance	High-Pe	normance
Outdoor Coil - Type Tube Size (m.) OD	_	erformance 375 1.32	-22	erformanice 375 9.76	509000	erformance 375 1.32	.375 12.09		1	375 4.00 2/16
Face Area (sq ft)		1.32 2/16		2/16		2/16	2/16	mance		erlormance
Indoor Coll - Type	High-P	erformance .375		erformance .375		erformance .375 7.00	High-Perfor .375 7.88			.375 7.88
Tube Size (in.) Face Area (sq ft) Roys/FPI Refrigerant Control	She	6.33 2/15 rt Ordice	Sin	6.33 2/15 ht Orifice 3/4 PVO	Sho	2/15 2/15 art Orifice 3/4 FVC	3/15 Short Of 1/ 3/4 F	ifice	Sho 1/3	2/15 rt Orifice 3/4 PVC
Drain Connection No /Size (Inc.)	×	3/4 PVC opeller		ropeller	F	ropeller 1/24	Prope 1/2			opeller 1/24
Outdoor Fan - Type Ng. Used/Diameter (in.) Drive Type/Ng. Speeds CFM		1/24 birect/1 4,900 1/,50	1	1/24 Direct/1 4,270 1/.40	Ī	0irect/1 4,870 1/.50	Direc 5.45 1/.5 1.07	0		0irect/1 5,620 1/.50 1,075
No. Motors/HP Motor BPM		975		1,075	FO	1,075 Centrifugal	FC Cent	rifugal		Centrifugal 1/12 X 9
Indoor Fan - Type No. Used/Diameter (in.) Drive Type/No. Speeds	7773	Centrifugal i/12 X 9 Direct/2		Centrifugal 1/12 X 9 Direct/2 1		1/12 X 9 Belt/1 1	1/12 Bel	/1		Belt/1 1 1.0/2.0 ¹⁰
No. Motors Motor HP (Standard/Oversized) Motor RPM (Standard/Oversized)	Ε	1 .60/.75 950/1040	1	,60/ 75 850/1040	1	1.0/2.0 725/1725	1.0/2 1725/	1725		725/1725 56/53
Motor Frame Size (Standard/Oversized)		48/48		48/48		56/56	56/ Throv		T	hrowaway
Filters - Type Furnished ?- Downflow - Horizontal		Yes Yes		throwaway Yes Yes 20 X 25 X 1		hrowaway Yes Yes 16 X 25 X I	Y	39		Yes Yes 16 X 25 X 1
(No.) Size Recommended	(2)	20 X 25 X 1	(2)	7.9	,0,	9.1	10).6	(5.3/Circuit

- NOTES:
 Cooling Performance is rated at 95 F ambient, 80 F entering dry bulb, 67 F entering wet bulb. Gross capacity does not include the effect of fan motor heat. Units are suitable for operation to ±20% of nominal cfm. Rated in accordance with ARI Standard 210/240 and 360. includes the effect of fan motor heat. Units are suitable for operation to ±20% of nominal cfm. Rated in accordance with ARI Standard 210/240 and 360.
 EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures.
 Integrated Part Load Value is based on ARI Standard 210/240 or 360. Units are rated at 80° F embient, 80° F entering dry bulb, and 67° F entering wet bulb at ARI rated cfm.
 Heating Performance limit settings and rating data were established and approved under laboratory test conditions using American National Standards.
 Heating Performance limit settings and rating data were established and approved under laboratory test conditions using American National Standards.
 AFUE is rated in accordance with DOE test procedures.
 AFUE is rated in accordance with ARI Standard 270 or 370.
 Sound Rating is rated in accordance with ARI Standard 270 or 370.
 Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
 YCH090C, high heat has 85,000 Blub ARI Net Capacity, 9.55 system KW, 8.9 EER and 9.1 IPLV.
 YCH090D, high heat has 85,000 Blub ARI Net Capacity, 9.55 system KW, 8.9 EER and 9.1 IPLV.
 YCH High heat models 2.0 HP standard motor

Electrical Data

Table 59-1 Electrical Characteristics — Combustion Blower Motor

Unit		Heating					Amps	
Model No.	Heat	Stages	HP	RPM	Volts	Phase	FLA	LBA
YC#036-091, 102C, 120C	Low	1	1/20	3350	208-230	1	0.4	1.00
YC+036-060	High	1	1/20	3350	208-230	1	0.4	1.00
YC#061-091, 102C	High	2	1/20	3500/28001	208-230	1	0.4	1.40
YC#120C	Med	2	1/20	3500/28001	208-230	3	0.4	1.40
YC*103, 121, 150, 151	Low	2	1/20	3500/28001	208-230	1	0.5	0.78
YC*180, 181, 210, 211, 240-300	Low	2	1/10	3500/28001	208-230	1	0.8	2.00
YC*103-YC*301	Hìgh	2	1/10	3500/28001	208-230	1	0.8	2.00

^{1.} High/Low Speed.

Table 59-2 Unit Wiring - Standard Efficiency

				i Indoor Fan Motor		ndoor Fan Motor
Tons	Unit Model No.	Unit Operating Voltage Range	Minimum Circuit Ampacity ²	Maximum Fuse Size Or Maximum Circuit Breaker	Affinimum Circuit Ampacity ^a	Maximum Fuse Size Or Maximum Circuit Breaker
EOHa	110000000000000000000000000000000000000		52,000,000,000,000		10000000000000000000000000000000000000	
9	YCD036C1	187-253	27.1	40	28.3	45
3	YCD036C3 YCD036C4	187-253	18.6	25	19.8	30
	1/07/2000/2000	414-506	9.4	15	9.7	15
	YC¢048C1	187-253	36.3	60	38.7	60
4	YC#048C3	187-253	24.8	35	27.2	×4O.
	YC¢048C4	414-506	11.9	15	13.0	20
	YC#048CW	517-633	9.5	15	10.3	15
	YC+060C1	187-253	46.5	60	47.8	60
	YC≑060C3	187-253	31.3	45	32.6	50
5	YC#060C4	414-506	16.3	25	16.9	25
	YC*060CW	517-633	12.0	15	N/A	N/A
120 1270	YC#075C3	187-253	36.6	50	39.5	60
614	YC#075C4	414-506	17.7	25	18.9	25
	YC#075CW	517-633	14.2	20	14.7	20
	YC*090C3/D3	187-253	43.1/41.73	60/50³	46.0/44.63	60/503
7 <i>V</i> 2	YC+090C4/D4	414-506	20.9/20.83	30/25 ^a	22.1/22.03	30/253
	YC#090CW/DW		16.7/16.03	25/20°	17.2/16.5 ³	25/20³
	YC*102C3	187-253	49	60	53	60
81/2	YC+102C4	414-506	29	35	31	40
072	YC#102CW	517-633	19	20	20	25
	YC#120B3	187-253	56	70	59	70
	YC≠120B4	414-506	29	35	31	40
10	YC≠120BW	517-633	21	25	22	25
10	YC#120C3	187-253	55	60	59	70
	YC#120C4	414-506	31	40	34	40
	YC≄120CW	517-633	22	25	24	30
	YC≄150C3	187-253	71	80	77	90
12½	YC#150C4	414-506	32	40	35	45
	YC#150CW	517-633	25	30	27	35
	YC#180B3	187-253	82	90	Bit .	100
15	+C≄180B4	111 506	37	46	40	50
	30.5×180BW	517-633	હાલ	35	52	40
	40.4410633	187-253	17.00	1 (1)	IU/	125
171:	YC#210C4	414-506	47	60	50	60
	1C¢210CW	517-633	37	45	40	50
	7C#240B3	187-253	123	150	130	150
20	YC#240B4	414-506	53	60	57	70
	YC#240BW	517-633	42	50	45	50
	YC#300B3	187-253	132	150	N/A	N/A
25	YC4300B4	414-506	57	70	N/A	N/A
	YC#300BW	517-633	45	50	N/A	N/A

NOTES.

1. That the tribular per NEC.

2. NCA Corner to not include Power Exhaust accessory. See Table 61-1 for this information.

3. Overview finiter is standard in YCH090C,D, high heat models.

MANUFACTURING AREA HEATING UNIT



08/16/01



Page: 1

Cambridge direct gas-fired industrial heater, AGA certified to meet ANSI Z83.18a

160.°F Temp Rise: Series: S400 Quantity: 157 °F Discharge: CFM: 1844 Input MBH: 400 Outdoor Design: -3 °F Total Static Press: 0.13 " Output MBH: 368 62 Elevation: Regulator: HPRI PSI 2.0 Gas Supply: Natural Pressure:

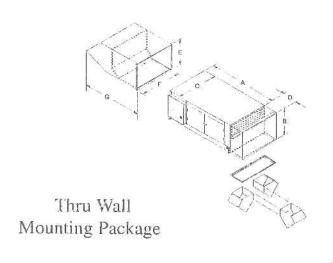
Estimated Shipping Weight per unit:

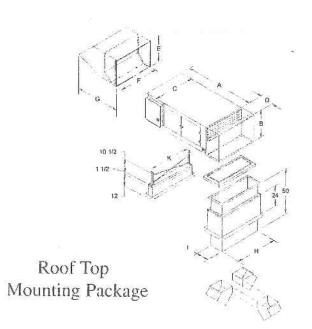
610 lbs.

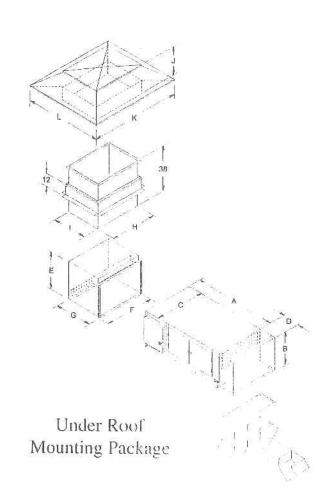
The unit is designed for outdoor horizontal roof-top installation and includes the following:

- One i HP motor with V-Belt drive, motor starter with thermal overloads for 460 volt, 3 phase, 60 HZ electrical service with non-fused disconnect.
- Stainless Steel burner with MD gas train and controls. Five year burner warranty.
- · Rainhood with Inlet Screen.
- 24" Mounting curb with counterflashing.
- 24" Adjustable Mounting Stand/Mounting Rail Combination
- Two position Motorized Discharge Damper.
- Insulated Downturn
- 50 Inch Discharge Duct.
- Directional Elbows Quantity 2
- Temperature Setback System (TSS) with seven day programmable time clock and override timer.
- Entering Air Thermostat.
- Service Convenience Switches
- Full 2-year Parts Warranty.

Unit Weights and Dimensions







	Mounting	Weight					Dir	nensions	in Inche	es				
Series	Packages	ths.	4	n	C	D	E	I ⁱ	G	T II	1	1	K	I.
S400	Thru Wall	550	ĠΩ	251/2	251/2	13	24	231/2	573/4					建 群江
&	Roof Top	600	60	251/2	251/2	13	_24	231/2	363/4	221/4	- 11	11.2	251/2	y-Karagan y
S800	Under Roof	750	60	251/2	251/2	13	271/2	231/2	261/4	231/4	231/4	24	60	60
S1200	Thru Wall	800	72	28	42	15	27	401/4	60					THE REAL PROPERTY.
R	Roof Top	900	72	28	42	15	27	401/4	39	431/4	13	4.44		· ·
S1600	Under Roof	1150	72	28	42	15	32	391/2	311/4	43	28	24	761/4	65
S2200	Thru Wall	1500	80	371/2	47	243/4	36 ³ /4	45 ¹ /4	72				400 Mg/S	4
&	Roof Top	1650	80	371/2	47	243/4	363/4	451/4	51	443/4	221/4	100		
S3200	Under Roof	1900	80	371/2	47	243/4	40	451/4	381/2	45	351/2	32	90	801/2

SCANDANG DECRETATIONS IN THE PROPERTY OF All numbers reference descriptions on page 7

Thru Wall (TW) Mounting Package

Stanoard Components:

Remote Control Station - Security (RCS-S)

2 Motorized Discharge Damper (MDD)

3 Gas Train (MD or ED)

4 Rain Hood - Thru Wall (RH-TW)

Downturn (DT) 6

7 Directional Elbows (DE)

8 Mounting Brackets

9 Low Temperature Cutout with Alarm (LTC)

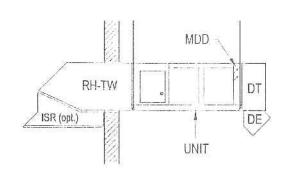
16 Entering Air Thermostat (EAT)

11 Service Switches (SS)

12 Non-Fused Disconnect

Optional Component

Inlet Skirt - Rain Hood (ISR) 18



Roof Top (RT) Mounting Package

Standard Components:

Remote Control Station - Security (RCS-S)

2 Motorized Discharge Damper (MDD)

3 Gas Train (MD or ED) 5

Rain Hood - Roof Top (RH-RT)

6 Downturn (DT)

7 Directional Elbows (DE)

Low Temperature Cutout with Alarm (LTC)

10 Entering Air Thermostat (EAT)

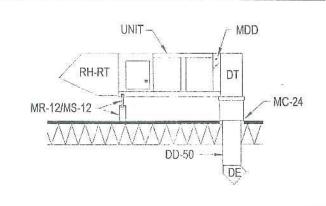
11 Service Switches (SS)

12 Non-Fused Disconnect

13 Mounting Rail/Mounting Stand (MR-12 / MS-12)

14 Mounting Curb (MC-24)

16 Discharge Duct (DD 50)



Under Roof Mounting Package

Standard Components:

1 Remote Control Station - Security (RCS-S)

2 Motorized Discharge Damper (MDD)

3 Gas Train (MD or ED)

6 Downturn (DT)

7 Directional Elbows (DE)

8 Mounting Brackets 0

Low Temperature Cutout with Alarm (LTC)

10 Entering Air Thermostat (EAT)

11 Service Switches (SS)

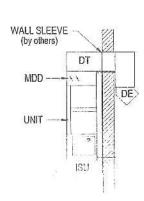
12 Non-Fused Disconnect

16 Inlet Plenum Package (IPP)

17 Inlet Elbow (IE)

INLET DUCT MDD UNIT

Outdoor Vertical Mounting Package



Standard Components Remote Control Station - Security (RCS-S)

Motorized Discharge Damper (MDD)

Gas Train (MD or ED)

3 Rain Hood - Thru Wall (RH-TW) (for Indoor only) 4

6 Downturn (DT)

7 Directional Elbows (DE)

8 Mounting Brackets

9 Low Temperature Cutout with Alarm (LTC)

10 Entering Air Thermostat (EAT)

Service Switches (SS)

11 12 Non-Fused Disconnect

17 Inlet Elbow (IE)

Inlet Skirt - Unit (ISU) (Outdoor only)

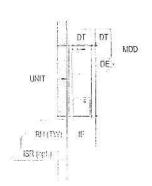
Optional Component:

19

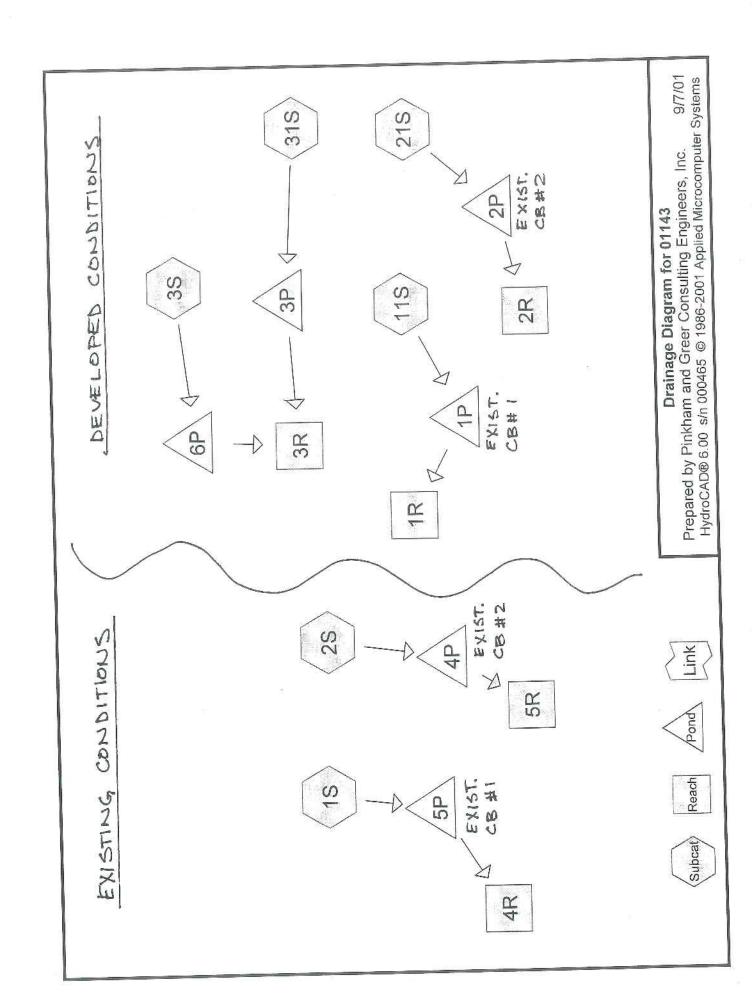
Inlet Skirt - Rain Hood (ISR) (Indoor only)

Note: Car-Train is field mount d external to the heater.

Indoor Vertical Mounting Package







Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points Runoff by SCS TR-20 method, UH=SCS, Type III 24-hr Rainfall=5.40" Reach routing by Stor-Ind method - Pond routing by Stor-Ind method

Subcatchment 19	S: Exist -	East half	of	Waldron	Way
-----------------	------------	-----------	----	---------	-----

Tc=2.2 min CN=94 Area=7,715 sf Runoff= 0.98 cfs 0.065 af

Subcatchment 2S: Area to exist, catch basin in Waldron Way

Tc=1.3 min CN=90 Area=2,316 sf Runoff= 0.28 cfs 0.018 af

Subcatchment 3S: Roof runoff

Tc=3.5 min CN=98 Area=15,470 sf Runoff= 2.01 cfs 0.142 af

Subcatchment 11S: Front lawn, East half of Waldron Way

Tc=8.2 min CN=89 Area=14,781 sf Runoff= 1.46 cfs 0.111 af

Subcatchment 21S: New runoff to ex. catch basin

Tc=1.0 min CN=89 Area=3,942 sf Runoff= 0.47 cfs 0.030 af

Subcatchment 31S: Flow to proposed catch basin

Tc=1.9 min CN=89 Area=22,200 sf Runoff= 2.61 cfs 0.167 af

Inflow= 1.46 cfs 0.110 af

Reach 1R: Pipe flow

Length= 20.0' Max Vel= 6.0 fps Capacity= 5.67 cfs Outflow= 1.46 cfs 0.110 af

Reach 2R: Pipe flow

Inflow= 0.47 cfs 0.029 af Length= 20.0' Max Vel= 3.8 fps Capacity= 4.63 cfs Outflow= 0.47 cfs 0.029 af

Reach 3R: Pipe flow

Inflow= 2.81 cfs 0.292 af Length= 90.0' Max Vel= 5.6 fps Capacity= 4.08 cfs Outflow= 2.77 cfs 0.292 af

Reach 4R: Pipe flow

Inflow= 0.98 cfs 0.065 af Length= 20.0' Max Vel= 5.4 fps Capacity= 5.67 cfs Outflow= 0.98 cfs 0.065 af

Reach 5R: Pipe flow

Inflow= 0.28 cfs 0.017 af

Length= 20.0' Max Vel= 3.2 fps Capacity= 4.63 cfs Outflow= 0.28 cfs 0.017 af

Pond 1P: Ex. catch basin in Waldron Way

Peak Storage= 35 cf Inflow= 1.46 cfs 0.111 af

Primary= 1.46 cfs 0.110 af Outflow= 1.46 cfs 0.110 af

Pond 2P: Ex. catch basin in Waldron Way

Peak Storage= 31 cf Inflow= 0.47 cfs 0.030 af Primary= 0.47 cfs 0.029 af Outflow= 0.47 cfs 0.029 af

Pond 3P: Proposed catch basin

Peak Storage= 55 cf Inflow= 2.61 cfs 0.167 af

Primary= 2.55 cfs 0.166 af Outflow= 2.55 cfs 0.166 af

Peak Storage= 30 cf Inflow= 0.28 cfs 0.018 af

Pond 4P: Ex. catch basin in Waldron Way

Primary= 0.28 cfs 0.017 af Outflow= 0.28 cfs 0.017 af

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Pond 5P: Ex. catch basin in Waldron Way

Peak Storage= 33 cf Inflow= 0.98 cfs 0.065 af Primary= 0.98 cfs 0.065 af Outflow= 0.98 cfs 0.065 af

Pond 6P: roof drain

Peak Storage= 2,909 cf Inflow= 2.01 cfs 0.142 af Primary= 0.41 cfs 0.126 af Outflow= 0.41 cfs 0.126 af

Runoff Area = 1.525 ac Volume = 0.532 af Average Depth = 4.19"

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Subcatchment 1S: Exist - East half of Waldron Way

Runoff

-

0.98 cfs @ 12.04 hrs, Volume=

0.065 af

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr Rainfall=5.40"

A	rea (sf)	CN	Description		
	5,803 1,912		Paved road		ood, HSG D
	7,715		Weighted A		300,1100 0
Tc (min)	Length (feet)	Slope (ft/ft		Capacity (cfs)	Description
1.7	100	0.0100	1.0		Sheet Flow, SHEET FLOW
0.5	240	0.0200	8.2	- 3.94	Smooth surfaces n= 0.011 P2= 3.00" Trap/Vee/Rect Channel Flow, GUTTER FLOW Bot.W=1.00' D=0.40' Z= 0.0 & 1.0 '/' n= 0.010
2.2	340	Total			

Subcatchment 2S: Area to exist, catch basin in Waldron Way

Runoff

0.28 cfs @ 12.02 hrs, Volume=

0.018 af

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr Rainfall=5.40"

Α	rea (sf)	CN	Description				
	1,297	98	Paved road				
	1,019	80	>75% Gras	s cover, Go	ood, HSG D		
	2,316	90	Weighted A	verage			
Tc (min)	Length (feet)	Slope (ft/ft)		Capacity (cfs)	Description		
1.3	75	0.0100	1.0		Sheet Flow, Sheet	P2= 3.00"	

Subcatchment 3S: Roof runoff

Runoff

-

2.01 cfs @ 12.05 hrs, Volume=

0.142 af

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr Rainfall=5.40"

Area (sf)	CN	Description	
15,470	98	Paved parking & roofs	 _

in		- 4	.29	400
n	41	-11	//	3
14.3		- 8	440	4.3

Type III 24-hr Rainfall=5.40" Page 4

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.5	180	0.0050	0.9		Sheet Flow, Sheet flow

Subcatchment 11S: Front lawn, East half of Waldron Way

Runoff =

1.46 cfs @ 12.11 hrs, Volume=

0.111 af

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr Rainfall=5.40"

A	rea (sf)	CN	Description		
	7,714	98	Paved road		
	7,067	80	>75% Gras	s cover, Go	ood, HSG D
	14,781	89	Weighted A	verage	
Tc (min)	Length (feet)	Slope (ft/ft		Capacity (cfs)	Description
7.6	70	0.020	0.2		Sheet Flow, SHEET FLOW Grass: Short n= 0.150 P2= 3.00"
0.6	320	0.0200	8.2	3.94	Trap/Vee/Rect Channel Flow, GUTTER FLOW Bot.W=1.00' D=0.40' Z= 0.0 & 1.0 '/' n= 0.010
8.2	390	Total			

Subcatchment 21S: New runoff to ex. catch basin

Runoff

= 0.47 c

0.47 cfs @ 12.01 hrs, Volume=

0.030 af

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr Rainfall=5.40"

Α	rea (sf)	CN	Description			
	2,060	98	Paved road			
	1,882	80	>75% Gras	s cover, Go	ood, HSG D	
	3,942	89	Weighted A	verage		
Tc (min)	Length (feet)	Slope (ft/ft		Capacity (cfs)	Description	
1.0	55	0.0100	0.9		Sheet Flow, SHEET FLOW Smooth surfaces n= 0.011	P2= 3.00"

Subcatchment 31S: Flow to proposed catch basin

Runoff

=

2.61 cfs @ 12.03 hrs, Volume=

0.167 af

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs Type III 24-hr Rainfall=5.40"

0	1	1	43
w	- 1	- 1	mile (C)

Type III 24-hr Rainfall=5.40"

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A	rea (sf)	CN	D	escription			
	11,360	98	P	aved road			
	9,440	80	>	75% Gras	s cover, Go	ood, HSG D	
	1,400	77			od, HSG D		
	22,200	89	V	Veighted A	verage		
Tc (min)	Length (feet)	Slop (ft/		Velocity (ft/sec)	Capacity (cfs)	Description	
1.9	120	0.010	00	1.0		Sheet Flow, SHEET FLOW Smooth surfaces n= 0.011	P2= 3 00"

Reach 1R: Pipe flow

Inflow

1.46 cfs @ 12.11 hrs, Volume=

0.110 af

Outflow

1.46 cfs @ 12.11 hrs, Volume=

0.110 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span=.5.00-20.00 hrs, dt= 0.05 hrs / 2 Max. Velocity= 6.0 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 2.4 fps, Avg. Travel Time= 0.1 min

Peak Depth= 0.35'

Capacity at bank full= 5.67 cfs

Inlet Invert= 59.89', Outlet Invert= 59.59'

12.0" Diameter Pipe n= 0.010 Length= 20.0' Slope= 0.0150 '/'

Reach 2R: Pipe flow

Inflow

0.47 cfs @ 12.01 hrs, Volume=

0.029 af

Outflow

0.47 cfs @ 12.01 hrs, Volume=

0.029 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2

Max. Velocity= 3.8 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 1.4 fps, Avg. Travel Time= 0.2 min

Peak Depth= 0.22'

Capacity at bank full= 4.63 cfs

Inlet Invert= 62.27', Outlet Invert= 62.07'

12.0" Diameter Pipe n= 0.010 Length= 20.0' Slope= 0.0100 '/'

Reach 3R: Pipe flow

Inflow

2.81 cfs @ 12.04 hrs, Volume=

0.292 af

Outflow

2.77 cfs @ 12.04 hrs, Volume=

0.292 af, Atten= 1%, Lag= 0.1 min

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2

Max. Velocity= 5.6 fps, Min. Travel Time= 0.3 min

Avg. Velocity = 2.4 fps, Avg. Travel Time= 0.6 min

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Peak Depth= 0.60' Capacity at bank full= 4.08 cfs Inlet Invert= 95.20', Outlet Invert= 94.50' 12.0" Diameter Pipe n= 0.010 Length= 90.0' Slope= 0.0078 '/'

Reach 4R: Pipe flow

Inflow

0.98 cfs @ 12.04 hrs, Volume=

Outflow

0.98 cfs @ 12.04 hrs, Volume=

0.065 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2 Max. Velocity= 5.4 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 2.0 fps, Avg. Travel Time= 0.2 min

Peak Depth= 0.28'

Capacity at bank full= 5.67 cfs

Inlet Invert= 59.89', Outlet Invert= 59.59'

12.0" Diameter Pipe n= 0.010 Length= 20.0' Slope= 0.0150 '/'

Reach 5R: Pipe flow

Inflow

0.28 cfs @ 12.02 hrs, Volume=

0.017 af

Outflow

0.28 cfs @ 12.02 hrs, Volume=

0.017 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2

Max. Velocity= 3.2 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 1.3 fps, Avg. Travel Time= 0.3 min

Peak Depth= 0.17

Capacity at bank full= 4.63 cfs

Inlet Invert= 62.27', Outlet Invert= 62.07'

12.0" Diameter Pipe n= 0.010 Length= 20.0' Slope= 0.0100 '/'

Pond 1P: Ex. catch basin in Waldron Way

Inflow

1010

1.46 cfs @ 12.11 hrs. Volume=

0.111 af

Outflow

1.46 cfs @ 12.11 hrs, Volume=

0.110 af, Atten= 0%, Lag= 0.0 min

Primary

1.46 cfs @ 12.11 hrs, Volume=

0.110 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2

Peak Elev= 60.77' Storage= 35 cf

Plug-Flow detention time= 4.6 min calculated for 0.110 af (99% of inflow)

Storage and wetted areas determined by Prismatic sections

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
58.11	13	0	0
64.16	13	79	79
64.26	100	6	84

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Primary OutFlow (Free Discharge) 1=culvert

#	Routing	Invert	Outlet Devices
1	Primary	60.11	12.0" x 15.0' long culvert RCP, square edge headwall, Ke= 0.500
			Outlet Invert= 59.89' S= 0.0147 '/' n= 0.010 Cc= 0.900

Pond 2P: Ex. catch basin in Waldron Way

Inflow	-	0.47 cfs @	12.01 hrs, Volume=	0.030 af
Outflow	=	0.47 cfs @	12.01 hrs, Volume=	0.029 af, Atten= 1%, Lag= 0.0 min
Primary	=	0.47 cfs @	12.01 hrs, Volume=	0.029 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2

Peak Elev= 62.73' Storage= 31 cf

Plug-Flow detention time= 15.4 min calculated for 0.029 af (98% of inflow)

Storage and wetted areas determined by Prismatic sections

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
60.35	13	0	0
68.70	13	109	109
68.80	100	6	114

Primary OutFlow (Free Discharge)

1=Culvert

#	Routing	Invert	Outlet Devices
1	Primary	62.35'	12.0" x 8.0' long Culvert RCP, square edge headwall, Ke= 0.500
	(57		Outlet Inverte 62 27' S= 0.0100 '/' n= 0.010 Cc= 0.900

Pond 3P: Proposed catch basin

Inflow	=	2.61 cfs @	12.03 hrs,	Volume=	0.167 af	
Outflow	=	2.55 cfs @	12.04 hrs,	Volume=	0.166 af, Atten= 2	%, Lag= 0.3 min
Primary	=	2.55 cfs @	12.04 hrs,	Volume=	0.166 af	0 000

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2

Peak Elev= 99.13' Storage= 55 cf

Plug-Flow detention time= 2.8 min calculated for 0.166 af (100% of inflow) Storage and wetted areas determined by Prismatic sections

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
94.90	13	0	0
100.90	13	78	78
101.00	100	6	84
101.70	5,000	1,785	1,869

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Primary OutFlow (Fixed Tailwater Elevation= 95.30')

-1=Culvert -2=Orifice/Grate

#	Routing	Invert	Outlet Devices
	Primary	96.90'	10.0" x 300.0' long Culvert RCP, square edge headwall, Ke= 0.500
			Outlet Invert= 95.40' S= 0.0050 '/' n= 0.010 Cc= 0.900
2	Primary	101.00'	0.20' x 0.25' Horiz. Orifice/Grate X 35.00 Limited to weir flow C= 0.600

Pond 4P: Ex. catch basin in Waldron Way

Inflow	=	0.28 cfs @	12.02 hrs,	Volume=	0.018 af
Outflow	=	0.28 cfs @	12.02 hrs,	Volume=	0.017 af, Atten= 1%, Lag= 0.0 min
Primary	=	0.28 cfs @	12.02 hrs,	Volume=	0.017 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2

Peak Elev= 62.63' Storage= 30 cf

Plug-Flow detention time= 24.2 min calculated for 0.017 af (96% of inflow)

Storage and wetted areas determined by Prismatic sections

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
60.35	13	0	0
68.70	13	109	109
68.80	100	6	114

Primary OutFlow (Free Discharge) 1=Culvert

#	Routing	Invert	Outlet Devices	
1	Primary	62.35'	12.0" x 8.0' long Culvert RCP, square edge headwall, Ke= 0.500 Outlet Invert= 62.27' S= 0.0100 '/' n= 0.010 Cc= 0.900	

Pond 5P: Ex. catch basin in Waldron Way

Inflow	=	0.98 cfs @	12.04 hrs,	Volume=	0.065 af
Outflow	=	0.98 cfs @	12.04 hrs,	Volume=	0.065 af, Atten= 0%, Lag= 0.0 min
Primary		0.98 cfs @	12.04 hrs,	Volume=	0.065 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2

Peak Elev= 60.63' Storage= 33 cf

Plug-Flow detention time= 8.1 min calculated for 0.065 af (99% of inflow)

Storage and wetted areas determined by Prismatic sections

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Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
58.11	13	0	0
64.16	13	79	79
64.26	100	6	84

Primary OutFlow (Free Discharge)

1=culvert

#	Routing	Invert	Outlet Devices
1	Primary	60.11	12.0" x 15.0' long culvert RCP, square edge headwall, Ke= 0.500
			Outlet Invert= 59.89' S= 0.0147 '/' n= 0.010 Cc= 0.900

Pond 6P: roof drain

Inflow	=	2.01 cfs @	12.05 hrs,	Volume=	0.142 af		
Outflow	=	0.41 cfs @	12.45 hrs,	Volume=	0.126 af,	Atten= 80%,	Lag= 23.8 min
Primary	=	0.41 cfs @	12.45 hrs,	Volume=	0.126 af		

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Peak Elev= 123.19' Storage= 2,909 cf Plug-Flow detention time= 142.0 min calculated for 0.126 af (89% of inflow) Storage and wetted areas determined by Prismatic sections

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
123.00	15,400	0	0
123.30	15,470	4,630	4,630

Primary OutFlow (Free Discharge) —1=Orifice/Grate

#	Routing	Invert	Outlet Devices	
1	Primary	123.00	6.0" Horiz. Orifice/Grate Limited to weir flow C= 0.600	



CITY OF PORTLAND

August 21, 2001

Mr. Mark Bergeron Pinkham and Greer Consulting Engineers Inc. 170 U.S. Route One Falmouth, ME 04105

RE: Maine Parts and Machine, 68 Waldron Way (ID# 2001-0177, CBL#306-B-18)

Dear Mr. Bergeron:

The Planning Department has received your application for the construction of a 15,000 square foot machine shop at 68 Waldron Way. After review of the submitted plans and materials, the following comments have been generated:

- 1. Please review the need for a loading dock drain or some re-grading since the proposed spot grade calls for the dock to be flat with the adjacent 99' contour to the northwest. This area looks like it might not drain very well.
- 2. Filter fabric should be placed around the crushed stone in the underdrain detail to prevent the migration of fines.
- 3. The plan identifies future parking expansion and future building expansion plans. The future parking expansion will result in the project containing more than 25 spaces, thus requiring the City's water quality standards to be met. The applicant may wish to address this requirement now. If not, future expansion possibilities should not be delineated on the plans.
- 4. A brief drainage summary and rational method computation supporting the drainpipe sizing and adequacy of the catch basins and existing storm drain in Waldron Way is needed.
- A photometric plan and catalog cuts for the proposed fixtures including pole heights is needed.
- 6. An enclosure around the dumpster should be provided.
- 7. Are there any exterior equipment proposed including HVAC? If so, are there any noise considerations?

- 8. Will there be an LP Gas supply and/or underground fuel oil tank? The location of the mechanical room was not clear on the plan. If rooftop mechanical units are proposed then data must be provided for staff review.
- 9. Staff recommends the inclusion of additional street trees to enhance the overall landscape plan.
- 10. Is appropriate signage along Waldron Way indicating the occasional reverse movement of semi-trailers being proposed?

The project is currently undergoing additional review by the Zoning Administrator and the City Arborist. I will forward additional comments directly to you upon receipt. If you have any questions, please do not hesitate to contact me at 756-8083.

Sincerely,

Jonathan Spence

Planner

CC: Sarah Hopkins, Development Review Services Manager



170 U.S. Route One Falmouth, Maine 04105 Tel: 207.781.5242

Fax: 207.781.4245

July 12, 2001 File: 01143

Ms. Sarah Hopkins PORTLAND PLANNING DEPARTMENT 389 Congress Street Portland, ME 04101

RE: 68 WALDRON WAY SITE PLAN MODIFICATION

Dear Sarah:

We are pleased to submit a site plan modification for a machine shop at 68 Waldron Way. Maine Parts and Machine, 470 Riverside Street, Portland, ME, 04103, has a purchase and sales agreement on this parcel. We have enclosed nine copies for your review and approval. Per Section 14-525(c) of the Portland Land Use ordinance, we are enclosing a written statement for this project.

(1) Maine Parts and Machine (MPM) proposes to relocate from their existing building on Riverside Street to a larger facility. They propose to build a 15,000 square foot machine shop on this lot, with associated parking, loading docks, and landscaping improvements. The subject parcel is part of the four-lot Sawyer Industrial Park subdivision that was approved in 1988. In April 2000, this parcel (Lot 3) was approved for a 19,960 square foot printing facility. The site was cleared of trees, and two stabilized construction entrances were installed. No other work was performed. MPM proposes a site plan modification to that original site plan. No residential units are planned.

(2) The total land area of the parcel is 2.45 acres. MPM is working on the floor plan layout with an architect, and they anticipate the total floor area to be approximately 15,000 square feet. The manufacturing floor area is approximately 10,000 square feet, with the remainder being office space. The ground coverage of the building will be 15,000 square feet. A future building expansion of approximately 3,500 square feet is also shown.

(3) There is an existing 75-foot wide drainage easement along the north property line. A 30-foot wide preservation area along the east side of the parcel preserves trees as a buffer for the Riverton Park Apartments. A 50-foot by 50-foot pump station easement is reserved in the northwest corner of the parcel. Waldron Way is currently a private way, and pending



Ms. Sarah Hopkins PORTLAND PLANNING DEPT. July 12, 2001 Page 2 of 3

correction of some sewer line problems, the street will be offered for acceptance by the City.

(4) The types of solid waste to be generated are general paper waste and scrap metal. All scrap metal generated is stored inside, and then hauled offsite to a recycle yard. No other solid wastes are generated.

(5) A letter has been received by the Portland Water District stating their capacity to service the project. Coordination is ongoing with Portland Public Works for sewer discharge permits, and Central Maine Power for electrical connections.

- (6)The existing site was cleared in May 2000. The majority of the site is very flat, with an existing gully along the north property line. The building and parking are designed to minimize the amount of earthwork required. A perforated storm drain line along the east wall of the building will drain the rear portion of the lot, and act as a foundation drain. The roof drain will be directed to the existing gully. No interior floor drains are proposed. The loading dock area will sheet flow across the pavement in to the wooded buffer. The front portion of employee parking and drop-off are graded to sheet flow into the existing catch basins in Waldron Way. The rear part of the employee parking will sheet flow in to the lawn area, and the new catch basin. The outlets to the storm drain and roof drain lines are stabilized with ripap. The original subdivision plan received a waiver stating no on site detention was needed. We do not anticipate any significant stormwater runoff impacts to the surrounding properties as a result of this project.
- (7) See the enclosed plans for a sequence of construction activities.
- (8) Less than one acre of impervious surface is being added to this site, so a stormwater permit is not required from DEP.
- (9) A letter of financial capacity is attached.
- (10) A copy of the applicant's purchase and sales agreement for the property is attached.
- (11) This site is located in a developed area of Portland, with three adjacent industrial buildings located on Waldron Way. The Riverton Park Apartments are located behind the parcel. No unusual natural areas, wildlife and fisheries habitat, or archaeological sites are anticipated to be located on or near the project site.
- (12) CADD files can be forwarded to the City upon request.
- (13) See Item (4) above.



Ms. Sarah Hopkins PORTLAND PLANNING DEPT. July 12, 2001 Page 3 of 3

We trust that this submission contains all the information you require for approval. If you have any further questions, please do not hesitate to call me.

Sincerely,

PINKHAM & GREER

Mark R. Bergeron, P.E.

MRB/s







Date: May 8, 2001

CONTRACT FOR THE SALE OF REAL ESTATE



One Canal Plaza, Portland, ME 04101 (207) 772-1333

	RECEIVED OF: Maine Part	& Machine and/or Assigns	whos	e mailing address is 470	Riverside Sireet
-	Portiana, ME 04103	, hereinafter called	the Purchaser(s), the sum of	Fifteen Thousand and	00/100
	Dollars (\$15,1900.00) as carnest money depo	osit and in part payment of th	ne nurchase price of the f	following described
	real estate, situated in the mur	icipality of Parthand	. County of Cumberiand	A State of Maine and lo	cated at 3 Waldran
	YIMY being all th	a property owned by the Sella	er(s) at the above address, and	d described at said Coun	ty's Registry of Deeds
1	000k, t'ogé and	further described as: \$ 2,43 ± 1	ecre lot of land	U700	n the terms and
	conditions indicated below:				
	I. PERSONAL PROPERTY	The following items of person	anal property are included in	this sale (if applicable):	All plans, studies,
	approvals, etc.		SIXTY-SE	YEN IL MINK	
	PURCHASE PRICE: The	TOTAL purchase price being	One Hundred Eller Thous	and and 00/100	Dollars
000	(C134-Hall M) to be paid	as follows: The earnest mon	ey deposited within one (1)	business day of accept	ance and the belance
	in cash or certified check	at closing	a same en anno		
- 1/	3. EARNEST MONEY/ACC	EPTANCE: The Boulos Con	ngany shall hold said t	carnest money in a non-i	nterest bearing
WX	account and act as Excrow	Agent until closing; this offer	shall be valid until May 11.	. 2001 or 5:00 PM;	and, in the event of
errer	TITLE: The a dead warm	this curnest money shall be	returned promptly to the Pun	chaser(s).	
	4. TITLE: That a deed, conve	rchaser(s) and this transaction	title in accordance with stance	dards adopted by the Ma	ine Uar Association
	execute all necessary nane	s on or before September 11	THE STATE COUNTY OF THE TOTAL	chaser(x) shall pay the bo	lignee due and
	provisions of this pameron	h, then the Seller(s) shall have	e a rensonable time second a	nable to convey in accord	iance with the
	Seller(s) receives written n	office of the defect, unless other	erwise agreed to be both and	ties to remedy the side	ays, man me ame are
	such defect is not corrected	so that there is merchantable	title the Purchaser(s) may	within filmen (15) drue	the which time, if
	Purchaser's option, withdre	w said carnest money and ne	ither party shall have any fur	ther obligation bereunde	r. If the Purchaser(s)
	does not withdraw the curr	ext money and declare the co-	ntract void within the period	set forth above the Purc	hoser(s) shall have
	waived the right to object t	o live. The Seller(x) hereby a	igrees to make a good-faith e	effort to cure any title del	ect during such ,
	period. * OR WITHIN	1 15 days of recei	pr of all approach	s referenced in	pingrayof =3,
2	. DELED. THRE INC DILIDERLY	Knall de curveveu dy a woffa	MIV nrvi shall be ise	ar and clear of all encum	brances except a
	pullating and Zoning resirie	tions of record, resunctive con	venunts and conditions of rec	end and usual public util	ities servicing the 💢
-	Inchesta and stitut of subje	et to appricable land use and t	DUINGING IAWS AND REQUIRISONS	S	4
	5. POSSESSION /OCCUPAL	NC 1: PONSESSION OCCUPANCY O	of premises shall be given to	Purchaser(s) immediatel	y at closing, subject
	7. LEASES/TENANT SECU	wike agreed by both parties in	writing.	- D - (- , () - 1(O - 1) - (VI - 1 - 1 - 1
	current leases to the proper	Ty and all security deposits he	eld by Seller(e) purposes to se	i d'archeser(s) ell Sellen:	s) rights under the
	B. RISK OF LOSS: Until the	transfer of title, the risk of lov	is or domine to said premise	sky icascs. s hv fire or otherwise is	nerumae) by the
	Scilet(e) nuicze otherwise :	igroud in writing. Said premi	ses shall then be in substantis	ally the same condition :	s at precent
	excepting reasonable use a	nd wear.		-11,7 1110 011111111111111111111111111111	
	PRORATIONS: The follo	wing items shall be prorated t	as of the date of closing:		25
	n. Real Estate Taxes based	on the municipality's tax yea	r. Seller is responsible for an	ny unpaid taxes for prior	yearx.
	o. 1.nci				
	d. Rents				
				teamer sorra nadorate documento	
	f. Purchaser(s) and Sellar	s water and sewer, shall be po	ito by Seller(s) unlough the d	ate of closing.	
	IO. INSPECTIONS: The Pure	s) shall each pay its transfer to	ix as required by the Sinte of	Maine.	
	10.INSPECTIONS: The Pure Purchaser(s) acknowledges	receipt of disclosure form uti	inched beauty The face of	nais regarding any specif	ic issue of concern.
	INCLUMENT 02º OF ATTING OF IT	ic actions for in hermanni are	norty. This Contract is subject	act to the following income	aing the condition.
	results being satisfactory to	the Purchaser(s):	party. The Combact is subject	Set to the tombering make	will the
				11	
1	Page I of 3		S		111111K
	tav. 11/00		Seen and agreed	in: //	2000
				(Solients)	rufchaser(c)



TYPE OF INSPECTION	YES	NO	RESULTS REPORTED	TYPE OF INSPECTION	28 Y	NO	RESULTS REPORTED
a. General Building b. Sewage Disposal c. Water Quality d. Radon Air Quality c. Radon Water Quality I. Asbestos Air Quality g. Lead Paint		MAMMOOM	Within days Within 30 days Within 30 days Within days Within days Within days Within days Within days	h. Pests i. ADA j. Wetlands k. Environmental Scan l. Year 2000 Compliance m. Other:		MADOMA	Within days Within days Within 30 days Within 30 doys Within 40ys Within days Within days

The use of days is intended to mean from the effective date of this Contract. All inspections will be done by inspectors chosen and puid for by the Purchaser(s). If the result of any inspection or other condition specified herein is unsatisfactory to the Purchaser(s), Purchaser(s) may declare the Contract null and void by notifying Soller(s) in writing within the specified number of days, and any carnest money shall be returned to the Purchaser(s). If the Purchaser(s) does not notify the Seller(s) that an inspection is unsatisfactory within the time period set forth above, this comingency is waived by the Purchaser(s). In the absence of inspection(s) mentioned above, the Purchaser(s) is relying completely upon Purchaser's own opinion as to the condition of the 11. FINANCING: This contract is subject to an approved first mortgage of eighty (80) % of the purchase price, at an interest rate % per annum and amortized over a period of not less than (wenty (20)) years. a. If Soller, or Sellers agent, is not notified to the contrary in writing within thirty (30) days of the effective date of this contract, then this financing condition shall be deemed to have been waived by Purchaser(s). b. The Purchaser(s) is under a good-faith obligation to seek and accept financing on the above-described terms. The Purchaser(s) acknowledges that a breach of this good-faith obligation to seek and accept financing on the above-described terms will be a breach of this Contract. 12. AGENCY DISCLOSURE: The Purchaser(x) and Seller(s) acknowledge that they have been informed that the Selling Licensee is acting as a Soller's agent in this transaction and is representing the Seller(s) and that the Listing Licensee is acting as a agent in this transaction and is representing the Seller(s) 13. DEPAULT: If the Purchaser(s) fails to consummate this transaction, Seller(s) shall have the option of either retaining the earnest money as full and complete liquidated damages or supleying all available logal and equitable remailies. Should Seller(s) elect to retain the earnest money, this Contract shall terminate and neither party shall be under any further obligation hereunder. In the event of default by either party, the Escrow Agent will not return the earnest money to Purchaser(s) or turn over the deposit to the Seller(s) without written releases from both parties. * 14. MEDIATION: Any dispute or claim arising out of or relating to this Contract or the premises addressed in this Contract shall be submitted to mediation in accordance with the Maine Residential Real Estate Mediation Rules of the American Arbitration Association. This clause shall survive the closing of this transaction. 15. PRIOR STATEMENTS: Any verbal presentations, statements and agreements are not valid unless contained herein. This Contract completely expresses the obligations of the parties. This is a Maine contract and shall be construct according to the laws 16. HEIRS/ASSIGNS: This Contract is assignable 🛭 Yes 🔲 No. This Contract shall extend to and be obligatory upon heirs, personal representatives, successors, and assigns (if assignment is allowed by the terms of this Contract), of the respective parties. 17. COUNTERPARTS: This Contract may be signed on any number of identical counterparts, including telefacsimilie copies, with the same binding effect as if the signatures were on one instrument. Original or telefactimilied signatures are binding. 18. BINDING CONTRACT: This Contract is a binding contract when signed by both Seller(s) and Purchaser(s) and when that fact has been communicated to all parties or to their agents. The Effective Date of the Contract is noted below. Time is of the essence of this Contract. 19. REVIEW OF EEASES AND INCOME AND EXPENSE INFORMATION: The Saller(s) shall provide the Parchagasts) with effective date of this Contract. Purchaser(s) shall have _____; Idays feest such delivery to review leases and income & expense information regarding the property. If the result of the reverse is unsutisfactory to the Purchaser(s), Purchaser(s) may declare the Contract null and void by notifying the Seller(s) in writing within the specified number of days set forth above, and any earnest money shall be returned to the Purchaser(s). If the Purchaser(s) does not notify the Seller(s) that the review is was restaurant within the time period set forth above, this contingency is waited by the Purchaser(s) 20. Seller(x) and Purchaser(x) acknowledge receipt of the Maine Real Listate Commission Disclosure of Agency Relationship Form (Form #2), if the property is, or has a component of, one to four residential dwelling units. 21. ADDENDA: This Contract has addends containing additional terms and conditions: YES NO [In the event that the Seller shall default upon this Contract, then Purchaser shall

Page 2 of 3 Kev. 11/00

Seen and agreed to: UNUK
Seller(s) Purchaser(s)

have available all equitable and legal remedies.



A COPY OF THIS CONTRACT IS TO BE RECEIVED BY ALL PARTIES AND, BY SIGNATURE, RECEIPT OF A COPY IS HEREBY ACKNOWLEDGED. IF NOT FULLY UNDERSTOOD CONSULT AN ATTORNEY.

Solier(s) actnowledges that the laws of the diate of Maine provide that every buyer of real property located in Maine must withhold a withholding the equal to 2 1/2% of the consideration unless the Solier(s) furnished to the Ruyer(s) a certificate by the Solier(s) stating, under penalty of perjury, risal Solier(s) isfare a resident of Meins or the transfer is otherwise exempt from withholding.

Maine Parts & Machine and/or Assigns Purchaser DAGE - ON OV	Date Of District 1
William Ketron, President Tythum The Full	Soc. Sec. # or Tax I.D. #
Namerille	Soc. Sec. # or Ittl 1.D. #
Purchaser	Date
NameTitle	Soc. Sec. W or Tax I.D. W
Listing Agreement the sum of: The obligations action. Seller agrees that Broker may apply any deposition of the sum of the Agreement. If the between the Broker and the Seller(s), provided, however, the between the Broker and the Seller(s), provided, however, the sum of the Seller(s) and the Seller(s) are sufficiently as the sum of the Seller(s).	or services herein according to the Listing Agreement or if there is no tion to pay said commission or sum shall survive the closing of this sit(s) received in connection with the sale of the Property toward a carnest money is forfeited by Purchaser(s), it shall be evenly distributed that Broker's printed and not exceed the full amount of the commission
specified. In the event the Seller(s) defaults on its obligation including reasonable attorneys' fees. Seller(s) and Purchaser(all liability regarding Year 2000 non-compliance.	ons hereunder, The Boulos Company shall be entitled to ensist of collection (s) hereby agree to indemnify and hold harmless The Boulos Company from any an
specified. In the event the Seller(s) defaults on its obligation including reasonable attorneys' fees. Seller(s) and Purchaser(all liability regarding Year 2000 non-compliance.	ons hereunder, The Routos Company shall be entitled to costs of collection
specified. In the event the Seller(s) defaults on its obligation including reasonable attorneys' fees. Seller(s) and Purchaser(all liability regarding Year 2000 non-compliance. Signed this	ons hereunder, The Boulos Company shall be entitled to ensit of collection (s) hereby agree to indemnify and hold harmless The Boulos Company from any and Effective date of Contract: Boulos Company (Company).
specified. In the event the Seller(s) defaults on its obligation including reasonable attorneys' fees. Seller(s) and Purchaser(all liability regarding Year 2000 non-compliance. Signed this day of	Si hereby agree to indemnify and hold harmless. The Boulos Company from any and Boulos Company from any and Boulos Company from any and Boulos Company. Boulos Company (Company).
specified. In the event the Seller(s) defaults on its obligation including reasonable attorneys' fees. Seller(s) and Purchaser(all liability regarding Year 2000 non-compliance. Signed this day of	ens hereunder, The Boulos Company shall be entitled to ensits of collection (s) hereby agree to indemnify and hold harmless. The Boulos Company from any and Boulos Company from any and Boulos Company (Company). Boulos Company (Company).
specified. In the event the Seller(s) defaults on its obligation including reasonable attorneys' fees. Seller(s) and Purchaser(all liability regarding Year 2000 non-compliance. Signed this day of	Si hereby agree to indemnify and hold harmless. The Boulos Company from any and Boulos Company from any and Boulos Company from any and Boulos Company. Boulos Company (Company).
specified. In the event the Seller(s) defaults on its obligation including reasonable attorneys' fees. Seller(s) and Purchaser(all liability regarding Year 2000 non-compliance. Signed this day of of The Listing Licensee is Dan Greenstein of The Selling Licensee is Tony McDonald of The Selling Licensee is Tony McDonald of The Seller John LeFevre	Effective date of Contract: Boulos Company (Company) Company (Company) Company)
specified. In the event the Seller(s) defaults on its obligation including reasonable attorneys' fees. Seller(s) and Purchaser(all liability regarding Year 2000 non-compliance. Signed this	Soc. Sec. # or Tax I.D. #

Page J of 3 Rev. 11/09

1200 797 F0S1

ADDENDUM A TO A CONTRACT FOR SALE OF REAL ESTATE BETWEEN

MAINE PARTS & MACHINE AND/OR ASSIGNS, Purchaser

AND

JOHN LEFEVRE, Seller

FOR

PROPERTY IDENTIFIED AS 3 WALDRON WAY

PORTLAND, ME

DATED: MAY 8, 2001

22. This Contract is subject to the Purchaser's satisfaction, at its sole discretion, that a building meeting the Purchaser's requirements can be constructed on the site at a cost that does not exceed Purchaser's budget. Purchaser shall pursue these cost estimates vigorously with qualified local contractors. Unless otherwise reported to the Seller in writing within sixty (69) days of the date of full execution of this Contract, this condition FORTY FIVE (45) IL WWK shall be deemed waived.

This Contract is conditioned upon the Purchaser obtaining approvals from the city of 23. Portland for the construction of its proposed building on the site within one hundred twenty (120) days of the date of full execution of this Contract. This condition can be waived by the Purchaser at any time by Purchaser providing written notice of its intent to do so. Purchaser agrees to vigorously pursue these approvals. Purchaser agrees to make application to the City of Portland for said approvals within 30 days of SEEN AND AGREED TO: The Offective date of this contract.

Maine Parts & Machine and/or Assigns, Purchaser

John LeFevre, Selier

- d



CITY OF PORTLAND

	Post-It™ brand fax transm	nittal memo 7671 # of pages ▶ Z
April 14, 2000		son From B; 77 Kelton
John Lefevre	100	Green Co. MyM
Form Systems	Dept.	Phone # 494-0024
72 Auburn St Portland, ME04103	Fex# 781-424	5 Fax# 794-0021

re: 68 (lot #3) Waldron Way New Construction

Dear Mr. Lefevre:

On April 13, 2000 the Planning Authority approved your site plan application for the construction of a 19,960 sq. ft. industrial building at #68 Waldron Way.

Please note the following provisions and requirements for all site plan approvals:

- A performance guarantee covering the site improvements as well as an inspection fee payment of 1.7% of the guarantee amount and 7 final sets of plans must be submitted to and approved by the Planning Division and Public Works prior to the release of the building permit. If you need to make any modifications to the approved site plan, you must submit a revised site plan for staff review and approval.
- 2. The site plan approval will be deemed to have expired unless work in the development has commenced within one (1) year of the approval or within a time period agreed upon in writing by the City and the applicant. Requests to extend approvals must be received before the expiration date.
- A defect guarantee, consisting of 10% of the performance guarantee, must be posted before the performance guarantee will be released.
- 4. Prior to construction, a preconstruction meeting shall be held at the project site with the contractor, development review coordinator, Public Work's representative and owner to review the construction schedule and critical aspects of the site work. At that time, the site/building contractor shall provide three (3) copies of a detailed construction schedule to the attending City representatives. It shall be the contractor's responsibility to arrange a mutually agreeable time for the preconstruction meeting.

O:\PLAN\CORRESP\SECRETAR\FORMS\SITEPLAN.WPD

5. If work will occur within the public right-of-way such as utilities, curb, sidewalk and driveway construction, a street opening permit(s) is required for your site. Please contact Carol Merritt at 874-8300, ext. 8828. (Only excavators licensed by the City of Portland are eligible.)

The Development Review Coordinator (who is located at DeLuca Hoffman at 775-1121) must be notified five (5) working days prior to date required for final site inspection. <u>Please</u> make allowances for completion of site plan requirements determined to be incomplete or defective during the inspection. This is essential as all site plan requirements must be completed and approved by the Development Review Coordinator prior to issuance of a Certificate of Occupancy. <u>Please</u> schedule any property closing with these requirements in mind.

If there are any questions, please contact the Planning Staff.

Sincerely

Íoseph E. Gray, Jr

Director of Planning and Urban Development

Alexander Jaegerman, Chief Planner

Sarah Hopkins, Senior Planner

P. Samuel Hoffses, Building Inspector

Marge Schmuckal, Zoning Administrator

Tony Lombardo, Project Engineer

Development Review Coordinator

William Bray, Director of Public Works

Nancy Knauber, Associate Engineer

Jeff Tarling, City Arborist

Penny Littell, Associate Corporation Counsel

Lt. Gaylen McDougall, Fire Prevention

Inspection Department

Lee Urban, Director of Economic Development

Don Hall, Appraiser, Assessor's Office

Susan Doughty, Assessor's Office

Approval Letter File

Robert M. Davis Vice President Business Banking



KeyCorp 1 Canal Plaza 4th Floor Portland, ME 04101

Tel: 207-874-7284 Fax: 207-874-7750

Mark Bergeron Pinkham & Greer Consulting Engineers, Inc 170 U. S Route One Falmouth, Maine 04105

Re: Maine Parts & Machine, Inc. / William Kelton

Dear Mark:

Please be advised that the above referenced client of Key Bank has been approved for financing, subject to several terms and conditions, for the construction/permanent financing of real estate located at 3 Waldron Way Portland, Maine. The approved amount is \$1,262,700.00. If you have any questions, or need any additional information, please feel free to call me at 874-7284.

Sincerely,

Robert M Davis



225 Douglass St. • P.O. Box 3553 • Portland, ME 04104-3553

(207) 774-5961 FAX (207) 761-8307 www.pwd.org

June 15, 2001

Mark R. Bergeron, P.E. Pinkham & Greer 170 U. S. Route One Falmouth, Me. 04105

Re: 68 Waldron Way- Portland

Dear Mark:

This letter is to confirm there should be an adequate supply of clean and healthful water to serve the needs of the proposed building at 68 Waldron Way in Portland. Checking District records, I find there is an 12" water main on the short side of the street in Waldron Way.

Included is a sketch on the acceptable way to split a 8" service into fire and domestic services as well as a map of the District's water main in the street.

The current data from the nearest hydrant indicates there should be adequate capacity of water to serve the needs of your proposed project.

Hydrant Location: Waldron Way 640' SE of Riverside St.

Hydrant # 1794

Static pressure = 76 PSI

Flow = 1311 GPM

Last Tested = 7/13/90

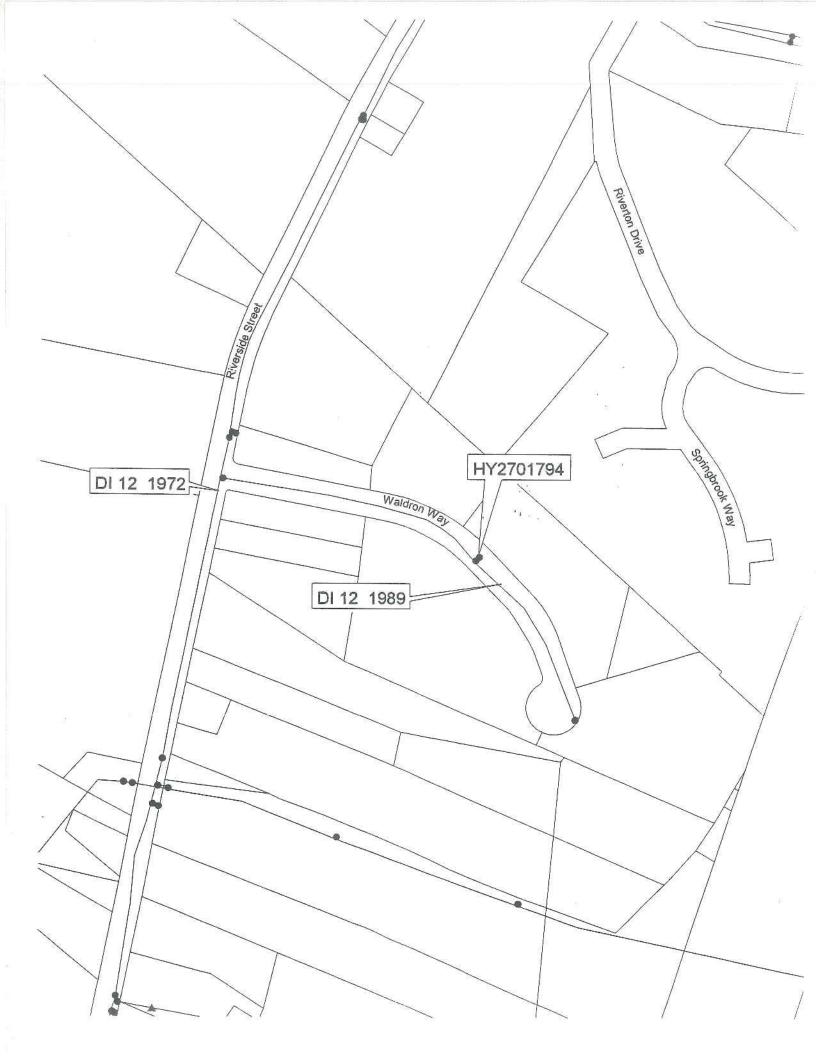
If the district can be of further assistance in this matter, please let us know.

Sincerely,

Portland Water District

Jim Pandiscio

Means Coordinator



Domestic Tapped between Town VALVES 1202 Fine Election New Domestic) Shut Off @ Property Line - ADDITION VALUE @ PROPOSTY LINE FOR FIRE SARVICE - FIRE Service PROBLETY LINE

CITY OF PORTLAND



DEPARTMENT OF PUBLIC WORKS INDUSTRIAL DISCHARGE QUESTIONNAIRE

. Company Name: Maine Parts & Machine, I	nc	
Mailing Address: P.O Box 407		
Westbrook, ME	Zip Cod	le: <u>04098</u>
3. Facility Premise Address: 3 Waldron Way		
Portland, ME 04	4103	
4. Person to contact in an emergency: Bill Kelt	on	
Title: President	Phone: 846-	6926
Individual Process Description:	SIC Code	Average Production
Production Machining	3599_	100% of sales
*		
6. Wastewater Generating Operation:		
We mix water with water soluable coolan	t. When this has r	eached the end of its useful life
we then pump it into a storage tank that	we will be placing	within the building. When the
storage tank is full United Industrial Serv	vices comes with a	tanker truck to haul it away as
non-hazardous waste.		
non-hazaruous waste.		
7. Seasonal Variations:		
None.		

8. Wastewater Flow	vs (gallons/day):			
SIC Process	Process Discharge Avg Max	Cooling Water Avg Max	Sanitary Avg Max	Total Plant Avg Max
V				 .
- April 1			-	
		-		
9. Water Source:				_ ***
[] Private Well	[√] Public (met	ered) [] Other		
Nature and conc Please attach you industrial wastes	entration of pollutants: (cour most recent discharge mater. N/A.	oncentration in milligra nonitoring report showi	ams per liter, mg/l) ing laboratory analys	is data for the proposed
11. Are any of the fo	ollowing materials used or	stored on the premises	?	
 Acid, Pestic DDT, Oil, g Metal Pheno Large 	mable or explosive material alkaline, or corrosive materials such the control of	erials. h as Aldrin, Dieldrin, l Toxaphene, etc.	Benzidine, Cadmium	, Cyanide, DDD, DDE,
[] NO [√] YES (I the method of disposa	f yes, give description, an Il for each. Also, submit M	d the approximate qua Material Safety Data Sh	ntities used and/or sto neets for each.)	ored on the premises, and
Dvkem Marking I	nks and Remover / Thin	ner (less than 2 gallon	15)	
Waylube, Hydrau	lic Oils, Synthetic Grease	and WD-40	Total Contract Contra	
Safety-Cool 984 w	vater soluble coolant			
Orange Plus biode	gradable citrus cleaner a	and degreaser		
Various Metals an	d Plastics in solid bar an	d sheet form		
Propane, 1 to 2 tar	nks stored outside in an C	OSHA cabinet and 1 o	on the fork truck	

	Page 2		
12.	Do you wish permission to discharge any of the following?	YES	N
	A. More than 50,000 gallons per day	-	_3
	B. A "slug" (more than 5 times the normal flow or strength for longer than 15 minutes)		
	C. A concentration of BOD in excess of 250 mg/l or suspended solids in excess of		
	300 mg/l		7
	D. Wastes containing fats, wax, grease or oil, whether emulsified or not, in excess of 100 mg/l E. pH higher than 8.3 (less than 5.0 is prohibited)		
	F. Metals, metal pickling wastes or plating solutions		
	G. Storm water, cooling water, etc., which is polluted or otherwise unacceptable for	-	
	discharge into storm drains or natural outlets		. 20
	H. Wastewater with a temperature over 150 degrees Fahrenheit (65 C)		
	I. Garbage		
	J. Radioactive wastes		
	K. Materials which cause unusual amounts of inert suspended solids (e.g. solids),		-
	dissolved solids, (e.g. sodium chloride), discoloration (e.g. dyes)		V
	L. Discharges regulated by the EPA (ie: discharge classified as Categorical)	A STANKS	V
			W 3
			-
	IF ANY ARE MARKED "YES", GIVE DETAILS OF EACH IN "REMARKS" BELOW		
	OR ATTACH SHEET		
()			
13.	Remarks:		
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Page 3

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Describe all othe	r environmenta	ıl control perm	its held by this	200	lentify permi	· · · · · · · · · · · · · · · · · · ·
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Describe all otherpplicable:				s facility and id	lentify permi	· · · · · · · · · · · · · · · · · · ·

SITE PLAN OF PREMISES

See attached site plan.

*******	******************	************	
SUB NOR SEW	CHARGES OF SUBSTANCES INTO THE PUBL JECT TO CIVIL PENALTIES. IF YOU ANTICII UMAL DOMESTIC SEWAGE, YOU ARE ADVIS PER USE ORDINANCE.	PATE DISCHARGING ANYTHING OTHER SED TO READ THE CITY OF PORTLAND'S	THAN
	D WASTES(BRIEF DESCRIPTION, See Sewer		
PUB:	Unpolluted storm or other waters. Flammable or explosive liquids, solids, or gases. Toxic or poisonous liquids, solids, or gases. Solid or viscous substances capable of causi interference with the proper operation or mass. Any slug of wastes. Materials prohibited by the EPA. WER USE PERMIT PERTAINS ONLY TO THE LIC SEWERAGE SYSTEM. CONNECTION TO TALLATION OR MODIFICATION OF ON-SITE.	ng an obstruction to the flow in meters, or oth intenance of the sewerage system. DISCHARGE OF WASTEWATER INTO THE PUBLIC SEWER, AND THE	HE
	FION: Existing pretreatment standards, if any, for consistent basis. Additional operation and maint follows: Additional pretreatment required to meet standards.	enance (O & M) required to insure complianc	e is as
	Use next sheet to describe the implementation sold I have personally examined and am familiar with attachments. Based on my inquiry of those indivisinformation reported herein, I believe that the subsam aware that there are significant penalties for stoof fine or imprisonment. Signature of Authorized Representative	the information submitted in this document ar iduals immediately responsible for obtaining to imitted information is true, accurate and comp	he lete. I
	William W. Kelton	President	
	Name (type or print)	Title	

Industrial Discharge Questionnaire November 3, 1999

313 000 FEET

(Joins sheet 81)

WORK

SOIL LEGEND

The first capital letter is the initial one of the soil name. A second capital letter, A, B, C, D, or E, shows the slope. Most symbols without a slope letter are those of nearly level saits, but some are for land types that have a considerable range of slope. A final number, Q, in the symbol shows that the sail is eroded.

SYMBOL	NAME	SYMBOL	NAME
Au	Au Gres loamy sand	L5	Limerick-Saco silt loams
		LyB	Lyman fine sandy loam, 3 to 8 percent slopes
5gB	Belgrade very fine sandy loam, 0 to 6 percent	LyC	Lyman fine sandy loam, 8 to 15 percent slopes
BgC2	slopes Belgrade very fine sondy loam, 8 to 15 percent	Lz8	Lyman very rocky fine sandy loam, 3 to 8 percent slopes
1 57 403	slopes, eroded	LzC	Lyman very racky fine sandy loam, 8 to 20 percent slopes
Be	Biddeford silt loom	LzE	Lyman very rocky fine sandy loam, 20 to 45
→>Bu8 BuC2	Buxton silt loam, 3 to 8 percent slopes Buxton silt loam, 8 to 15 percent slopes, eroded	L2L	percent slopes
0.0	Canaan sandy loam, 3 to 8 percent slopes	Md	Made land
C ₀ B	Candan sandy loam, 8 to 15 percent slopes	MeC	Metrose fine sandy loam, 8 to 15 percent slopes
CaC CaB		Mk8	Merrimac fine sandy loam, 3 to 8 percent slopes
	Cancon very rocky sandy loam, 3 to 8 percent slopes	MkC	Merrimac fine sondy loam, 8 to 15 percent slopes
CeC	Concan very rocky sandy loam, 8 to 20 percent slopes	Oπ	Ondawa fine sandy loam
CeE	Canaan very rocky sanoy loam, 20 to 60 percent		_ 0 6 9 _ 0
	slopes	P5B	Paxton fine sandy loam, 3 to 8 percent slopes
Ck	Coastal beaches	PbC	Paxton fine sandy loam, 8 to 15 percent slopes
Cu	Cut and fill and	PьD	Paxton fine sandy loom, 15 to 25 percent slopes
		PfB	Paxton very stony fine sandy loam, 3 to 8
DeA	Deerfield loamy sand, 3 to 3 percent slopes	2.2	percent slopes
De5 Du	Deerfield loamy sand, 3 to 8 percent slopes Dune land	PfC	Paxton very stony fine sandy loam, 8 to 15 percent slopes
		PfC	Paxton very stony fine sondy loam, 15 to 25 percent slopes
EmB	Elmwood fine sandy loam, Cita 8 percent shopes	PkB	Peru fine sandy loam, 0 to 8 percent slopes
1240000	45+47000 ACRO & REPUBLIA	PkC	Peru fine sandy loam, 8 to 15 percent slopes
So	Grave pits	PIB	Peru very stony fine sandy loam, 0 to 8 percent
HfB	Hartland very fine sandy loam, 3 to 8 percent slopes	PIC	slopes Peru very stany fine sondy loam, 8 to 15 percent
HfC2	Hartland very fine sandy loam, 8 to 15 percent	Pý	slopes Podunk fine sandy loam
HfD2	slopes, eroded Harrland very fine sandy roam, 15 to 25 percent	45%	1 34410 100- 34041 (340)
HIDZ	slopes, eroded	RbA	Ridgebury fine sandy loam, 0 to 3 percent slopes
HgB	Hermon sandy loam, 3 to 8 percent slapes	RgA	Ridgebury very stany fine sandy loam, 0 to 3
Hg€	Hermon sandy loam, 8 to 15 percent slopes		percent slopes
Hg⊅	Hermon sondy loam, 15 to 25 percent slapes	Ro	Rock land
HHB.	Hermon very stony sandy loam, 3 to 8 percent slapes	Ru	Rumney fine sandy loam
HHC	Hermon very stony sandy loam, 8 to 15 percent	Sd	Saugatuck loamy sand
	slopes		Scantic silt loom
HbC	Hermon very stony sancy loom, 15 to 30 percent	50	Scarboro sandy loam
	slopes	Sp	Sebaga mucky peat
HkC	Hermon extremely stony sandy loam, 8 to 20	SuC2	Suffield silt loam, 8 to 15 percent slopes, eroded
	percent slopes	SuD2	Suffield silt loam, 15 to 25 percent slopes, eroded
HkĒ	Hermon extremely stony sandy loam, 20 to 60 percent slopes	SoE2 Sz	Suffield silt loam, 25 to 45 percent slopes, eroded Swanton fine sandy loam
HIB	Hinckley gravelly sandy loam, 3 to 8 percent	Τm	Tidal marsh
HIC	slopes Hinckley gravelly sandy loam, 8 to 15 percent	Wa	Walpole fine sandy loam
	slopes	Wg	Whately fine sandy loam
CIH	Hinckley grovelly sandy loam, 15 to 25 percent slopes	Wh	Whitman fine sandy loam
HnB	Hinckley-Suffield complex, 3 to 8 percent slopes	WmB	Windsor loamy sand, 0 to 8 percent slopes
HnC	Hinckley-Suffield complex, 8 to 15 percent slopes	WmC	Windsor loamy sand, 8 to 15 percent slopes
HnO	Hinckiev-Suffield complex, 15 to 25 percent slopes	WmD	Windsor loamy sand, 15 to 30 percent slopes
HrB	Hollis fine sandy loam, 3 to 8 percent slopes	WrB	Woodbridge fine sandy loam, 0 to 8 percent slapes
HrC	Hollis fine sandy loam, 8 to 15 percent slopes	WrC	Woodbridge fine sandy loam, 8 to 15 percent slopes
HrD	Hollis fine sandy loam, 15 to 25 percent slopes	WsB	Woodbridge very stony fine sandy loam, 0 to 8
HsB	Hollis very rocky fine sonov loam, 3 to 8	yu.co.	percent slopes
Normal No. 83	percent slopes	WsC	Woodbridge very stany fine sandy loam, 8 to 15 percent slapes
HsC	Hallis very racky fine sandy loam, 8 to 20 percent slopes		
HsE	Hallis very racky fine sandy loam, 20 to 35. percent alopes		
	parameter due parameter de		

Highways and roads Divided Good motor Poor motor --Trail Highway markers National Interstate U. S. State or county Railroads Single track Multiple track Abandoned Bridges and crossings Roac Trail ... Railroad Grade R. R. over R. R. under Buildings School Church Mine and quarry Gravel pit Power line ... Breakwater, Jetty Airway beacon Cemetery Dams Tanks ... Lighthouse Forest fire or lookout Fort

Located object

Hydrologic Groups, Permissible Velocity and Subsurface Inflow Rates for Soils in Western and Southern Maine¹.

Permissible	e Velocity second	Inflow Rate cfs/1000 ft.
Bare	Vegetated	
2.5	3.5	1.00
		1.00
	4.5	1.00
	4.0	1.00
	3.5	. 20
200		
		1.00
1.0		-15
2.5		.50
2.5		.50
2.5		. 20
1.5		.10
1.5		1.00
2.5		.07
1.5		.50
		. 15
		. 20
		. 15
		.10
		.50
		1.00
2.5		
		. 10
2.5		. 05
1.5		.08
2.5		.28
2.5		.05
1.5		.06
		. 15
		. 07
		. 06
		. 07
		.05
		. 05
		.15
		. Ø8
	4.0	_10
	4.0	- 19
	4-0	.15
	4.0	.15
2.5	4.0	*.T
1.5	3.0	.0
2.5		.0
1.5		-1
2.5		.0
2.0	3.5 3.0	.0
	Permissible Feet per Bare 2.5 3.05 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5	2.5 2.5 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0

		ible Velocity	Inflow Rate
Soil Name	Feet p	er second	cfs/1000 ft.
	Bare	Vegetated	
Hydrologic Group C (cont.)	Dare	vegetated	
Hydrologic Group C (conc.)			
Telos	1.5	3,0	. 15
Tunbridge	2.0	3.5	-
Westbury	2.5	4.0	.08
1.7 No. 10. 10. 10. 10. 10. 10.			
Hydrologic Group D			
Abram	2.0	3.5	
Biddeford	1.5	3.0	. 05
Borohemists (Peat/Muck)	1.5	10.0140	. 15
Borosaprists (Ponded Peat/Muck)	1.5		. 15
Hemist	1.5	(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	.15
Chocorua	1.5	-	
Gouldsbaro	1.5		
Lamoine	1.5	3.0	. Ø5
Medomak (Saco)	1.5	3.0	.04
Monarda	2.0	3.0	.07
Peacham (Whitman)	2.0	3.5	. 09
Rifle	1.5	40-100 van	. 15
Saprists	1.5	277-172)	. 15
Scantic	1.5	3.0	.05
Schoodic	2.0	3.5	
Searsport (Scarboro)	2.5	4.0	. 15
Sebago	1.5	and the same of	. 15
Sulfihemists (Tidal Marsh)	1.5	The second of	. 15
Sulfaquents (Tidal Marsh)	1.5		
Togus	1.5		. 15
Vasselboro	1.5		.15
Waskish	1.5		. 15
Whately	2.0	3.5	. Ø5
Wonsqueak	1.5	1	. 15
Hydrologic Group C/D			
Lyman (Hollis, Cannan)	2.0	3.5	
Swanton	1.5	3.0	.05
Thorndike	2.5	4.0	-

Soils recognized by the Soil Conservation Service in Oxford, Franklin, Kennebec, Androscoggin, Sagadahoc, Knox, Lincoln, Cumberland and York Counties. (order 2 surveys only)

Mesic soil name in Parenthesis.

Miscellaneous land types are not assigned to a hydrologic group because of the variability of the soil material.

Sources:

Hydrologic Groups: Interpretation Record Sheets (SCS-SOI-5) SCS.

Permissible Velocities and Inflow rates: Water Management Guide - Part 1 - Drainage (SCS 1976). Values for soils added since 1976 were developed by comparing new soils to those in the guide with similar properties.

From:

"Steve Bushey" <SBushey@DelucaHoffman.com>

To:

"Jonathan Spence (E-mail)" <JSpence@ci.portland.me...

Date:

Fri, Aug 17, 2001 12:31 PM

Subject:

68 Waldron Way

Jonathan,

I have reviewed the site plans dated 08-10-01 prepared by Pinkham and Greer and offer the following comments:

- 1. The applicant should review the need for a loading dock drain or some regrading since the proposed spot grade calls for the dock to be flat with the adjacent 99' contour to the northwest. This area looks like it might not drain very well.
- 2. The engineer should consider filter fabric in the underdrain detail. It should be placed around the crushed stone to prevent the migration of fines.
- 3. The plan identifies possibly 6 future parking spaces. If this spaces are constructed the project would have more than 25 spaces thus requiring support that the City's water quality treatment standards are met. Should the applicant address this now or when the spaces are actually built?
- 4. Should some signage indicating the occasional reverse movements of semi-trailers into the loading dock be placed on Waldron Way?
- 5. The applicant should provide a brief drainage summary and rational method computations supporting the drain pipe sizing and adequacy of the catch basins and existing storm drain in Waldron Way.
- 6. Should some supplemental plantings at the rear of the property be provided to offset the loss of buffer area to the Riverton Apts.?
- 7. The applicant should provide the lighting data and pole heights.
- 8. Should an enclosure around the dumpster be provided?
- 9. The applicant should comment on the locations of any outside equipment including HVAC, operations etc. Are there any outside noise considerations since the proposed use appears to be manufacturing in nature.
- 10. Will there be an LP GAS supply and/or an underground fuel oil tank? The location of the buildings mechanical room was not clear on the plan. If rooftop mechanical units are proposed then data should be provided for staff review.

If you have any questions please call.

Steve Bushey Technical Reviewer DeLuca-Hoffman Associates, Inc. From:

Anthony Lombardo

To:

Jonathan Spence

Date:

Thu, Sep 13, 2001 8:11 AM

Subject:

Re: DEVREV follow up

I looked at 68 Waldron Way and this proposal creates no Public Works issues.

>>> Jonathan Spence 09/13 8:09 AM >>> I am sorry to add a few more to the list:

68 Waldron Way: Steve, can you e-mail re: stormwater, Tony-any issues as this street may be accepted in the near future.

276 Canco Road- Steve, would you have a chance to take a look re stormwater. I will drop a plan in your box or please see me.

Thanks

>>> Sarah Hopkins 09/12 4:28 PM >>>

We need some follow up comments from those who were unable to attend today's review meeting.

Copley Woods: Mack, can you call Jay?

Deering Pavilion: Steve, can you call Bill re stormwater? Tony, any row issues?

Liberty Way: Steve, can you call Jay?

Warren Ave: Tony and Steve, can you call Kandi with comments?

Thank you. -Sarah

From:

Jeff Tarling

To:

Jonathan Spence

Date:

Wed, Sep 12, 2001 2:00 PM

Subject:

68 Walden Way

Jonathan,

In review of the proposed landscape plan for 68 Walden Way I would recommend the following:

- 1) Changes to the proposed plant list: the 3 Mt. Ash to 'Summit' Ash, ('Summit' Ash are a larger shade tree vs. a smaller ornamental tree; change the 7 Arborvitae to 7 White Pine with the same height, (the White Pine should provide better screening.)
- 2) Preservation areas The existing vegetation / tree preservation areas that are present from the prior site plan approval for this site should be maintained.

Jeff Tarling

CC:

Sarah Hopkins

Fex #

207 773 5364

Ø 005 P.01

CITY OF PORTLAND
Department of Planning and Urban Development SUBDIVISION/SITE DEVELOPMENT

2077568258 P-01/02

COST ESTIMATE OF IMPROVEMENTS TO BE COVERED BY PERFORMANCE GUARANTEE

		Date: _ 2.18.02
Name of Project: MANIE PART	AND MACHINE	
Address/Location; 68 Warpen	UN PORTING	MS
Developer: KELTON REA	eny	
Form of Performance Guarantee:	,	
Type of Development: Subdivision	Site Plan (Major/Minor)	Nog
TO BE FILLED OUT BY THE APPLICANT		
PUE	LIC	PRIVATE
Item Quencity Unit	Cost Subtotal Qua	ntity Unit Com Subtotal
1. STREET/SIDEWALK		
Granite Curbing		ATTIMHED BREAK DOWN
Esplanades		
Monuments Street Lighting		
Street Opening Repairs Other		
2. EARTH WORK		
Cut STREPPING, TOPSOIL & COMMO		904 c 6.5 14940, -
3. SANITARY SEWER	7.	6.0 \$4550 -
Manholes		IA NA
Piping 6" SEW ZR. Connections		4 = 35 - \$1540 -
Main Line Piping House Sower Service Piping		NA NA
Pump Stations Other	No.	2 NA
4. WATER MAINS - //E Downgrie		LE @20 = \$ 1000 -
5. STORM DRAINAGE		*
Manholee Catchbasine	<u> </u>	EA: 2250- 2250-
Piping 10" 9 STORM	39	
Stormwater Quality Units Other	NA MA	NA
<u> </u>		
Post-It Fax Note 7871	Dale 3-4-02 pages 4	
Co/Dool KEY BANK	Co. RGB CONST	9
Phone #	Phone #	-

Fax #

6.	SITE LIGHTING		CITY OF P	JRTLAND		207 773	2077568258	P.02/02 P.02/02
7.		OL						Malauming and Land
	Silt Fence Check Dams Pips inlot/Outlet Pro- Level Lip Spreader	tection			=	540 100 129	-	2430 - 300 - 540 -
	Slope Stabilization Geotextile Hay Balo Barriers Catch Basin Inlet Pro	Nection	=	\equiv		NO NA NA ISE		NA NA NA B 75 -
8.	RECREATION AND)		- Jirin		2 NA	<u> </u>	2 450
		MILLES			# ====================================	, — — — —		7077
9.	LANDSCAPING (Attach breakdown of materials, quantities, a costs)	f plant and unit	SEE A	TACHED	SABRA	BRANDOW	J	300 -
10.	MISCELLANEOUS					SEE A	THE BRE	HEDOWN
	TOTAL:		,			A STATE OF THE PARTY OF THE PAR	,	
	GRAND TOTAL:					A	103632, -	-7/1
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NEW CIBLULA CURB	128 15 637 -	4096 9
+' TIP Downs	2 Eq. e 1/5-	= 230 =
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6) SITE LIGHTING		
6) SITE LIGHTING	File and the second of the file and a production of the second and the second and the second and the second as	
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SITE LIGHTING EXC. & BACK PIN. LIGHT POLE BASES	192 GE C G SO	- \$1100 -
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SITE LIGHTING EXC. & BACK PIN LIGHT POLE BASES	1924 CGS 2 B4 C 555-	- \$1100 -
6) \$ 1TE LIGHTING SITE LIGHTING EXC. & BACK PILL LIGHT POLES LIGHT POLES O.) HISCRUANERS	1924£ 665 254 £550- 254 £ 2000 :	= \$4000 - \$6348.
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C.) SITE LIGHTING SITE LIGHTING EXC. SERVEDING LIGHT POLES LIGHT POLES LIGHT POLES LOAM S SERD AND BRUCH TRANSFORMER PARS FENCINA S GATES	1924 C655- 2 B	= \$940. = \$940. = \$940. = \$2500. = 3000.
C.) SITE LIGHTING SITE LIGHTING EXC. & BACK PIN LIGHT POLE BASES LIGHT POLES LIGHT POLES LOAM S SERD AND BULGH TRANSFORMER [M2]	1924 C655- 2 B	= \$990 = \$990 = 2500

207 773 5364

2008 P- 94

SABRA PROPERTY CARE

207 6294535

P. 81

SABRA PROPERTY CARE, INC.

4 Phillips Street * Cumberland, Mains 04021 * Phone: 797-6540 * FAX: 829-4535

To: RCM Construction, Inc. BE: Maine Parte & Machinery

We of Sisbra Property Care, Inc. submit the following proposal for landscaping services:

Fundith and install places as per design Multip the planting beds Building the trees

Total charge for plants, traich, labor and materials.

UNIT PRICES

Plant pates

* KMMCO			1. 1. 4	. TOURNOUS/	ATIE
	i (g.		3.		. 33
4 Jumpe	r 15	-18"	×1,0	\$38.20	١٠.,
2 Ash	2.	So cal	1. 1	\$981.2	
4 Arbori	ritec 6	* _ [· ·]		\$199.7	
2 Dogwi	oxoidi 8		64 . ·	\$51.7	
20 Dayli	Hee 1.	galloui.	· · · · ·	311.1	

Please feet from to call us with any quantions about this proposal. The price is good for 30 days from today and machalles loans, and and tooding. Thenk you very much for the opportunity to bid on this work. Sinctrely, Shai Levise, Owner, Sabra Property Care, Inc.



170 U.S. Route One Falmouth, Maine 04105

Tel: 207.781.5242 Fax: 207.781.4245

September 26, 2001 File: 01143

Mr. Jonathan Spence CITY OF PORTLAND PLANNING DEPT. 389 Congress Street Portland, ME 04101

RE: 68 WALDRON WAY SITE PLAN

Dear Jonathan:

Per the condition of approval in your September 24, 2001, letter, I have revised the lighting on Drawings C2 and C5. Nine copies are enclosed for your records. The other drawings remained unchanged. Wall-mounted and pole-mounted fixtures have been specified that meet the Technical Design Standards. Updated photometrics and catalog cuts are also included for your review.

I trust that these revised plans satisfy the condition of approval. If you have any further questions, please do not hesitate to call.

Sincerely,

PINKHAM & GREER

Mark R. Bergeron, P.E.

Cc: Bill Kelton, Maine Parts and Machine

MRB/s

Data Sheet

LIGHT POLES 68 WALDRON

Citation Series

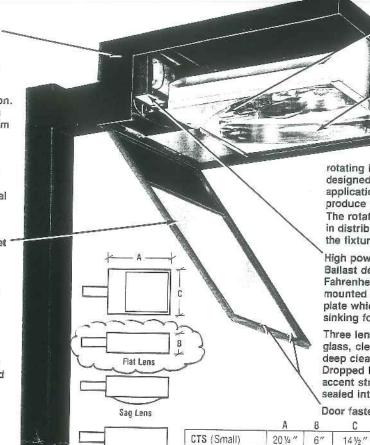
The one-piece aluminum housing is available in three sizes: small, medium and large. Corners are welded and finished to produce a clean, sharp appearance while increasing housing strength and ensuring weather-tight construction. One-piece construction eliminates the worry of moisture entering from poorly sealed top pans and side paneis.

The Citation is designed to utilize any of the following lamp types: High Pressure Sodium, Super Metal Halide, Metal Halide or Deluxe Mercury Vapor.

Continuous one-piece EPDM gasket * for maximum sealing.

The Citation is available in dark bronze, black, sandstone or white, Other colors are available on request. Paint is applied in a revolutionary superior baked-on powder coating, which gives the fixture an exceptionally attractive appearance. This unique polyester protection lets the fixture withstand extreme weather changes without cracking or peeling. Finish is guaranteed for five full years.

UL listed for wet locations.



CTM (Medium)

CTL (Large)

25"

29"

8"

10"

Porcelain sockets feature spring-reinforced contacts for longer life.

> Segmented, modular, optical system creates uniformity and consistent photometric results. This standard Type III has a medium distribution for increased pole spacing. An optional

rotating Forward Throw (FT) reflector is designed for perimeter lighting applications to eliminate stray light and produce a sharp backside cutoff. The rotating feature enables flexibility in distribution patterns without moving the fixture.

High power factor. Type CWA Ballast designed for minus 20 degrees Fahrenheit operation. The ballast is mounted to housing reinforcing plate which ensures maximum heatsinking for long life.

Three lens options: Clear flat tempered glass, clear sag tempered glass, or 31/2" deep clear dropped acrylic lens. Dropped lens has a contrasting corner accent strip. All lenses are doublesealed into door frame.

Door fasteners on the medium and

C

1814"

21"

large have one-quarter turn releases. The small Citation has two captive door fasteners.

HOW TO ORDER LUMINAIRES

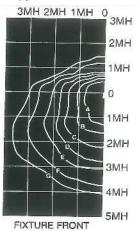
Select appropriate choice from each column.

Luminaire Prefix	Distribution	Lamp Wattage	Light Source	Lens	Line Voltage	Luminaire Finish	Options
CTS— Small	3—Type III FT—Forward Throw	50 70 100 150 175	HPS—High Pressure Sodium 50, 70, 100, 150 Watt SMH—Super Metal Halide 175 Watt MH—Metal Halide 175 Watt DX—Deluxe Mercury Vapor 100, 175 Watt	F—Clear Flat Tempered Glass	120V 208V 240V 277V 480V MT—Multi Tap	BRZ—Bronze Paint BLK—Black Paint SAN—Sandstone Paint WHT—White Paint SPL—Special	PCR—Photoelectric Control LL—Less Lamp CL—Coated Lamp FS—Fusing FD—Double Fusing HSS—House Side Shield PLS—Polycarbonate Shield NO—No Options
	3—Type III FT—Forward Throw	200 250 4 0 0	HPS—High Pressure Sodium 200, 250, 400 Watt SMH—Super Metal Halide 250, 400 Watt MH—Metal Halide 250, 400 Watt DX—Deluxe Mercury Vapor 250, 400 Watt	F—Clear Flat Tempered Glass S—Clear Sag Tempered Glass DC—Clear Dropped Acrylic			NO-NO OPTIONS
	3—Type III FT—Forward Throw	ype III	MH — Metal Halide 1000 Watt DX — Deluxe Mercury Vapor	F—Clear Flat Tempered Glass S—Clear Sag Tempered Glass			

Dropped Lens

PHOTOMETRIC DATA

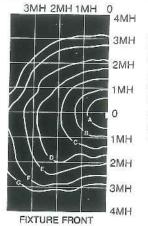
400W High Pressure Sodium (Single) (Type FT — Forward Throw Distribution)



MTG. HT.	A	В	C	D	E	F	G
16'	15.6	7.8	3.1	1.6	.78	.31	.16
18'	12.3	6.2	2.5	1.2	.62	.25	.12
20'	10.0	5.0	2.0	1.0	.50	.20	.10
22'	8.3	4.1	1.7	.8	.41	.17	.08
24'	6.9	3.5	1.4	.7	.35	.14	.07
26'	5.9	3.0	1.2	.6	.30	.12	.06
28'	5.1	2.6	1.0	.5	.26	.10	.05
30'	4.4	2.2	.9	.4	.22	.09	.04

LUMEN RATING 50,000 MH REFERS TO MOUNTING HEIGHT

400W High Pressure Sodium (Single) (Type III Medium Distribution)



MTG. HT.	A	В	С	D	E	F	G
16'	15.6	7.8	3.1	1.6	.78	.31	.16
18'	12.3	6.2	2.5	1.2	.62	.25	.12
20'	10.0	5,0	2.0	1.0	.50	-20	.10
22'	8.3	4.1	1.7	.80	.41	.17	.08
24'	6.9	3.5	1.4	.70	.35	-14	.07
26'	5.9	3.0	1.2	.60	.30	.12	.06
28'	5.1	2.6	1.0	.50	.26	.10	.05
30'	4.4	2.2	.90	.40	.22	.09	.04

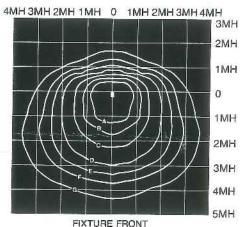
LUMEN RATING 50,000 MH REFERS TO MOUNTING HEIGHT

EASY FIELD-ROTATED FORWARD THROW DISTRIBUTION FOR CTL ONLY

1000W High Pressure Sodium (Single)

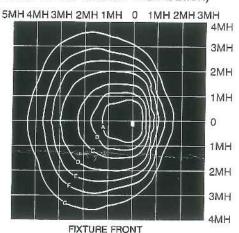
(Type FT — Forward Throw Non-Rotated Distribution)

1000W High Pressure Sodium (Single) (Type FT — Forward Throw Rotated Distribution)

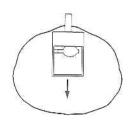


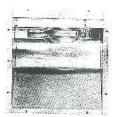
HT.	A	В	C	D	Ε	F	G
16'	31.25	15.63	7.81	3.13	1.56	.78	.31
18'	24.69	12.35	6.17	2.47	1.23	.62	.25
20'	20.00	10.00	5.00	2.00	1.00	.50	.20
22'	16.53	8.26	4.13	1.65	.83	.41	.17
24'	13.89	6.94	3.47	1.39	.69	.35	.14
26'	11.83	5.92	2.96	1.18	.59	.30	.12
28'	10.20	5.10	2.55	1.02	.51	.26	.10
30'	8.89	4.44	2.22	.89	.44	.22	.09

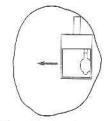
LUMEN RATING 140,000 MH REFERS TO MOUNTING HEIGHT



11/8"









Note the flexibility in distribution pattern allowed by the field-rotated reflector.

BOLT CIRCLE B C D Slotted Slotted Slotted Slotted **Bolt Circle** 8" to 11" 11" 8" to 11" 93/4" to 11" 11" to 121/2" 12" Anchor Bolt Size 3/4" × 30" $\frac{3}{4}'' \times 30''$ 1" × 36" $\frac{3}{4}'' \times 30$ 3/4" × 30" 1" × 36" 1" × 36" Anchor Bolt Projection 31/4" 31/4" 31/5" 4" 4" Base Plate Thickness 3/4" 1"

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for base plate templates.



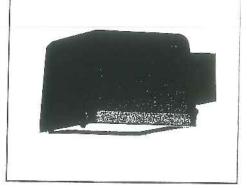
68 WALDRON WAY



Туре			
Catalog	No.		

RMS Series Mini Roadway Luminaire

35 watts thru 150 watts High Pressure Sodium 100 watts Metal Halide



PRODUCT SPECIFICATIONS

☐ APPLICATIONS

Roadway, parking lot, building and pathway lighting. Any outdoor application where tight light control to prevent glare and light trespass is desired.

□ CONSTRUCTION

Precision die-cast aluminum housing, Onepiece construction eliminates the threat of leaking. Finished in Duraplex II™ architectural bronze polyester powder for superior resistance

against the elements. One-piece die-cast aluminum lens frame with integral hinges held fastened with captive stainless steel hardware. Heat and shock resistant tempered glass lens is permanently sealed to lens frame via liquid silicone. Lens frame assembly is sealed to housing via continuous neoprene rubber gasketing. Premium porcelain socket equipped with vibration proof "lamp-grip" shell with reinforced center contact for positive fit.

ORDERING INFORMATION

Catalog No.	Watts	Lamp	Base	Volts ★	Ballast	Weight
HIGH PRESSURE	SODIUM			(39)		
RMS335NLXL	35	E17	Medium	120 or 277	Reactor (NPF)	10 lbs.
RMS350NLXL	50	E17	Medium	120 or 277	Reactor (NPF)	10 lbs.
RMS370NLXL	70	E17	Medium	120 or 277	Reactor (NPF)	10 lbs.
RMS3100NLXL	100	E/B17	Medium	120 or 277	Reactor (NPF)	11 lbs.
RMS3150NLXL	150	E/B17	Medium	120 or 277	Reactor (NPF)	11 lbs.
METAL HALIDE						
RMS370MAL	70	ED17	Medium	120 or 277	HX-HPF	12 lbs.
RMS3100HMAL	100	ED17	Medium	277	Reactor (HPF)	11 lbs.
RMS3100MAL	100	ED17	Medium	120 or 277	HX-HPF	12 lbs.

LAMPS: All units are supplied with a medium base lamp. To order units without lamp, drop "L" in Cat. No. *Specify voltage.

OPTIONS

To order factory options add appropriate suffix to Cat. No.

Suffix FUSING: Fusing protects HID circuitry in pole mounted installations. It is suggested that fuses are mounted with pole base for accessibility and ease of maintenance. For 120V and 277V Single fusing FS PHOTOCONTROL: (Button-Type) factory installed in housing backPCB

ACCESSORIES

The following are field installed accessories. Order by Cat. No.

GLARE SHIELD: Architectural bronze painted aluminum sections may be field installed in patterns of two (at any corner) three side or four side configurations. Four side assemblied provide 15° cut-off, 4 piece assembly RS550 LEXAN VISOR: Clear, vandal-proof polycarbonate shield protects floodlight from rocks, air-gun pellets, or other missiles. Free air-flow between lens and visor prevents destructive or "browning" effect of heat build-up. To mount Glare Shield and Lexan visor on the same CAST ALUMINUM MOUNTING PLATE: Finished in Duraplex II™ bronze polyester

Cat. No.

powder. Cast-in template mounts arm to CAST ARM ADAPTER: Attaches to arm for surface mounting on

□ OPTICS

One-piece injection molded for consistent performance. Reflector system precisely designed for IES Type III cutoff.

□ BALLAST

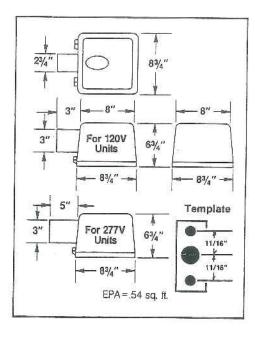
Reactor or HX-HPF ballast mounted to integral heat-sink for maximum heat dissipation to outside ambient.

☐ INSTALLATION

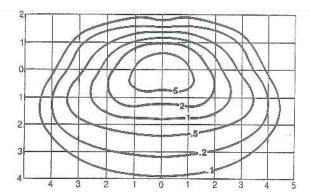
Cast aluminum mounting arm. Standard units surface mount on a minimum 4" square pole.

□ LAMP

Clear medium base as specified.



PHOTOMETRICS



CAT. NO.: RMS3150NLXL LAMP: 150W HPS, clear LUMENS: 16000 MOUNTING HEIGHT: 15 ft. IES Type II distribution.

CONVERSION TABLE for different mounting height

	10'	2.25	50,	.56
-	15'	1.00	25'	.36

Wattage Conversion

_	Trailage Conversion		
	Watts	Multiplier	
	35	.14	
	50	25	
j.	70	.34	
Γ	100	.60	
	150	1.00	

SUGGESTED SPECIFICATIONS

Fixture shall be outdoor weatherproof area lighter sharp cutoff luminaire for HID lamps. Housing and lens frame shall each be one piece corrosion resistant die-cast atuminum with radiused edges for corners with a EPA not exceeding .60. Luminaire shall be finished in Duraplex II™ dark bronze polyester powder. Fixture shall be furnished with an integral reactor ballast, mounted to die-cast housing for heat dissipation.

Lens frame shall be one piece corrosion resistant die-cast aluminum with integral hinges and radiused

corners held by two captive stainless steel fasteners. Lens frame will provide constant equal pressure on the neoprene gasket sealing the optical chamber from rain, dust and insects. Frame will retain an optically clear, heat and impact resistant tempered glass lens, silicone sealed and held in place with retainer clips. One extruded soft cornered mounting arm with access door to splicing chamber will be included with each luminaire.

The mounting arm construction shall allow for securing luminaire on a square or round pole, all mounting hardware shall be hidden inside the arm. Mounting arrangements of one, two, three or four way shall be possible.

Reflector shall be injection molded with Solec® finish.

Fixture shall be equipped with deluxe, glazed porcelain lamp socket with nickel plated, vibrationproof "lamp-grip", screw shell and spring-loaded center contact. Sockets in high pressure sodium units shall be pulse-rated for 4 KV.

Specify Stonco RMS Cat. No. (specify).



DeLUCA-HOFFMAN ASSOCIATES, INC. CONSULTING ENGINEERS

778 MAIN STREET SUITE 8 SOUTH PORTLAND, MAINE 04106 TEL. 207 775 1121 FAX 207 879 0896 ROADWAY DESIGN
 ENVIRONMENTAL ENGINEERING
 TRAFFIC STUDIES AND MANAGEMENT
 PERMITTING
 AIRPORT ENGINEERING
 SITE PLANNING
 CONSTRUCTION ADMINISTRATION

MEMORANDUM

TO: Sam Hoffses – Code Enforcement

FROM: Chris Earle, Construction Representative

Reviewed by Steve Bushey, P.E., Acting Development Review Coordinator

DATE: January 3, 2001

RE: Status of 36 Waldron Way (Atlantic Sportswear)

Recently a site inspection was made to this site to assess the status of the project. My comments are as follows:

- 1. Sloped granite curbing is not installed at the small island in the parking area.
- 2. Sloped granite curbing is not installed at the parking area adjacent to Waldron Way.

These are two of the four deficiencies cited in a memo from this office to Planning/Codes dated 8/19/99. I spoke briefly with Kandi Talbot regarding the bonding status of this project. She will find out if it has been released.

We assume that a <u>temporary Certificate of Occupancy</u> is in effect and that <u>no permanent</u> <u>Certificate of Occupancy</u> will be issued until the deficiencies have been addressed.

AIRPORT ENGINEERING SETE PLANNING CONSTRUCTION ADMINISTRATION

MEMORANDUM

TO:

Code Enforcement

Kandi Talbet, Planner

FROM:

Jim Wendel, PE, Development Review Coordinator

Eric Barnes, DeLuca-Hoffman Associates, Inc.

DATE:

August 19, 1999

RE:

Certificate of Occupancy

Atlantic Sportswear (36 Waldron Way)

On August 19, 1999, the site was reviewed for compliance with the conditions of approval dated January 1999. This was a follow up visit to one made to the site on June 4, 1999. My comments

- 1. The vertical granite curb has not been installed around the radius of the southerly driveway. This was a requirement put forth by Public Works.
- 2. The landscaping work has not been completed. The site has been loamed and seeded, but the final tree and shrub planting has not been completed. This work was to have been completed by June 18, 1999.
- 3. The small island shown below the proposed expansion has not been installed. The island calls for sloped granite curb and some landscaping, but currently is only an excavated hole. This work was to have been completed by June 18, 1999.
- There is no curbing along the parking area adjacent to Waldron Way. The approved site plan calls for sloped granite curb in this vicinity.

Items #1 - #3 are the same incomplete items noted in the previous memo, dated June 7, 1999. It is my opinion that no Certificate of Occupancy should be issued until the above addressed items are completed.

alled FATCO 432-3102-cell No An Gregi Patterson 324-5574 Called Iffmesse, Memos-19-Atlantic

JN1359.42/Memo8-19-Atlauric