

The Commonwealth of Massachusetts
TOWN OF WILLIAMSBURG

Office of the
Planning Board
APPLICATION FOR SITE PLAN REVIEW

Non-residential, non-agricultural structure or structures, which have an aggregate footprint
exceeding five thousand (5000) square feet. (Section 6.0)
And not in excess of ten thousand (10,000) square feet (section 4.3)

To the Town Clerk
Williamsburg, Massachusetts:

Pursuant to the provisions the Protective Bylaw of the Town of Williamsburg, application is hereby
made to the Planning Board for Site Plan Review

On premises located at 16 Walpole Rd. Haverhill Ma. Map 7G,
Street and number assessor's map and parcel number
Owned by Susan Fortgang + David Nehring 34 Harrison Ave Northampton map 11K lot 1
Name address deed recorded Book Page
Applicant [Signature] Deed - 10619 pg 333 Phone 977-5924999
Signature
Applicant Susan Fortgang address 34 Harrison Ave Northampton Ma 01060
Please print name street town zip

Please include the attached check list of application elements as part of the application.

*****ADMINISTRATIVE USE ONLY*****

Completed application received by Town Clerk _____ and _____
(date) (time)

Filing fee \$ _____
(\$250.00)

Signature of Town Clerk _____

Received by Planning Board _____
Signature date

Application No. _____ Date of Joint Public Hearing _____

VALLEY VIEW FARM
Walpole Road

Site Plan Narrative
07.17.2016

Valley View Farm (VVF) is a 120 acre farm at the end of Walpole Hill Road just over a quarter mile from the intersection of South Main Street, the Mill River and Route 9 in the village of Haydenville in Williamsburg, Massachusetts. It is a centuries old farm surrounded by a managed forest with actively farmed fields and gardens.

A newly repurposed significantly historic barn on the edge of the hay fields to the northwest of the end of Walpole Hill Road and a proposed adjacent repurposed antique barn to be used as a pavilion are proposed for an "event venue" to host weddings, family reunions, community gatherings and agricultural events to market farm products. The Event venue has a caterer's kitchen and seating and toilet facilities for up to 200 guests.

This application is for a "recreational business" under section 3.2 of the Zoning By-Law to host up to fifty (50) scheduled events per year. The events will be held year round. Unlike a retail business or restaurant, all events will be pre-scheduled noticed on our web site and posted on the Event Board on site. All food and liquor will be prepared by licensed local caterers and we will not have an employed kitchen staff or a Common Victualer license and food and liquor served at the events will be provided by the contract caterers.

The hours of operation will be limited to the scheduled event and all events will have closing time of 10:00 p.m. The traffic to and from events will be limited to the day of the event unlike a retail business with traffic every business day throughout the day. There is parking for at least 100 cars on site (as shown on the Plan), with overflow parking as indicated on the plan.

Recreational uses are allowed in the Rural Zoning District by Special Permit from the Zoning Board of Appeals (section 5.2).

The proposed use of the Valley View Farm meets the criteria under Section 6.5 of the By-Law, as follows:

The proposed use preserves the existing agricultural use of the Farm both scenically and economically by providing both agricultural use and special event uses that support the economic viability of the Farm. The site preserves the 120 acres of farm, field and forest land as shown on the site plan.

The site is serviced by adequate town water supply and town waste disposal capacity under permits from the town.

There is adequate parking on site, as shown on the Plan and the proposed use as an event space or function facility limits traffic to scheduled times and events at the start and close of those events rather than ongoing traffic at intermittent times. At an occupancy of 200 for events, the expected number of vehicle trips including staff would be 87 arriving and 87 leaving. As the Milone & MacBroom Traffic Study indicates the traffic generated by the largest allowed event at Valley View Farm can be adequately handled by the surrounding roads without any decrease in the level of service on those roads. As noted, Walpole Road is not a through road and Valley View Farm is the terminus for any traffic on the road. There is no "traffic" on the Walpole Road other than Valley View Farm and an occasional vehicle trip by the two neighbors. The event traffic will be scheduled and will be either arriving or leaving – not two-way. No parking is allowed on Walpole Road and the applicant proposes to pay for and install municipal "No Parking" signs where approved by the Highway Department.

The site design and size and topography as shown on the Plan creates no run off affecting any neighboring properties and the gravel, drainage, and catch basins, are designed to direct any run off away from neighboring properties.

The applicant requests a waiver of subsection c requiring underground utilities because the site is entirely self-contained at the terminus of Walpole Road and no aboveground utilities affect any neighboring properties.

The event building and pavilion are sited, as shown on the Plan, at the furthest distance from the only one neighbor and are screened by existing and proposed vegetation and existing buildings. The applicant has provided additional screening as shown on the Plan; and if the neighbors and the board determine that additional screening would mitigate any "objectionable site characteristics", the applicant can install it.

The proposed outdoor parking lot lights and all building fixtures will be designed to be downward directed or directed away from the terminus of Walpole Road and neighbors. A tree screen will be planted to further prevent headlight glare.

Trucks with back up sound alarms will not be allowed on property. No machinery or equipment will be used to create "noise" other than amplified music in the barn which the applicant has proposed to "shut down" at 10:00 p.m. on weekend nights and 9 p.m. on weekday nights – although few or no weekday night events are anticipated. Amplified music Will be restricted to indoors in the barn.

A TC Adio provided a environmental sounds test and concluded amplified audio levels in the banquet hall at an average of 98DB-c scale at an average of 90 8DBC scale should not be high enough to deserve concern of the nearest neighbors or from Village of Haydenville on route nine.

The Site Plan complies with the provisions of the By-Law other than showing final screening which may be added as a condition for a final plan and the burying of utility lines.

The proposed use of the Barn meets the criteria for approval under section 5.5 of the by-law as follows:

The Barn and scheduled events, weddings, reunions, community gatherings, are reasonably compatible with the character of the allowed uses in rural zoning district such as schools, which have scheduled hours and operate 180 days per year, churches with scheduled services on Sunday that have traffic coming to and from the service at scheduled times and days, and are consistent with the accessory use of the property as a farm and consistent with maintaining the rural character of the property and the historical use. Similar venues for weddings and community gatherings are found at Quonquont Farm in Whately, or located in parks such as the Garden House at Look Park or the Barney Mansion in Forest Park, or other historic properties that can be economically preserved and repurposed as wedding venues and facilities for community gatherings and meetings.

The proposed use will not constitute a nuisance by reason of an unacceptable level of air or water pollution or excessive noise. In fact, the whole attraction of the Barn and proposed use is to bring the beauty of Valley View Farm and the fields and forests of Williamsburg to the special events that will be held there. The noise of events is limited both by the location of the Barn, a prosed tree

screen (see drawing) and the limited number of days that events could be held and the proposed condition limiting the closing hours.

There are no separate use regulations under the by-law for the proposed use by Valley View Farm.

The proposed use does not create any significant adverse impact on the quality of surface water or groundwater. The town sewer lines are adequately sized to accommodate the capacities proposed by the conditions on the permit.

The entire property is hooked up to the town sewer system and sized for the capacities proposed for the use, and no unusual waste is generated by the proposed use that is not routinely handled by any commercial waste hauler.

The design of the project minimizes the visibility of any "visually degrading" elements by the use of a traditional "barn" structure and protects the neighboring properties from potentially detrimental or offensive uses by locating the uses distant from neighboring properties and planting sound and light tree screens. The proposed use is located a significant distance from the neighboring properties and has limited hours and days of operation which ameliorate any impacts on neighboring properties.

Valley View Farm
Susan Fortgang

Application elements to be included as part of the application for Site Plan Review		
		The Planning Board may request any additional information it judges to be necessary or convenient, or waive any information requirements it finds unnecessary, for the review of a particular plan.
Admini- strative Use	Included	Application Elements
	✓	A. Fee paid. Town of Williamsburg exempted.
	✓	B. Each application for Site Plan Review shall be submitted to the Planning Board by the current owner of record, accompanied by eleven (11) copies of the site plan.
	✓	C. A registered architect, surveyor, landscape architect, or professional engineer shall prepare all site plans. All site plans shall be on standard 24" x 36" sheets and shall be prepared at a sufficient scale to show:
	✓	D. The location and boundaries of the lot, adjacent streets or ways, and the location and owners names of all adjacent properties.
	✓	E. Existing and proposed topography including two foot contours, the location of wetlands, streams, water bodies, drainage swales, areas subject to flooding, and unique natural land features.
	✓	F. Existing and proposed structures, including dimensions and elevations.
	✓	G. The location of existing and proposed parking and loading areas, driveways, walkways, access and egress points.
	✓	H. The location and description of all existing and proposed septic systems, water supplies, storm drainage systems, utilities, and refuse and other waste disposal methods.
	✓	I. Proposed landscape features including the location and a description of screening, fencing and plantings.
	✓	J. The location, dimensions height, and characteristics of proposed signs and lighting.
	✓	K. The location and a description of proposed open space or recreation areas.

	✓	f. Exposed storage areas, machinery, service areas, truck loading areas, utility buildings and other unsightly structures or uses shall be set back or visually screened to protect the neighbors from objectionable site characteristics.
	✓	g. Outdoor lighting shall be designed to prevent glare or light, which reflects, strays or scatters beyond the subject structure of structures.
	✓	h. Noise generated by machinery or equipment shall not extend beyond the property line.
	✓	i. The site plan shall comply with all other provisions of this Bylaw.
	✓	6.52 Before a finding on a site plan, the Planning Board may request the applicant to make modifications in the proposed design of the project to ensure that the above criteria are met.
	✓	6.53 After a public hearing, the Planning Board may waive, for good cause shown, any or all requirements of site plan review where such action is in the public interest and not inconsistent with the purpose and intent of the Protective Bylaw.

Meets	Does Not Meet	For Administrative Response Included for Applicant Information
		6.5 Site Plan Review Criteria
		6.51 The following criteria shall be considered by the Planning Board in the review and evaluation of a site plan, consistent with a reasonable use of the site for the purposes permitted or permissible by the regulations of the district in which it is located:
		a. The development shall be integrated into the existing terrain and surrounding landscape, and shall be designed to protect abutting properties and community amenities. Building sites shall, to the extent feasible: 1) minimize impact on wetlands, steep slopes, flood plains, hilltops; 2) minimize obstruction of scenic views from publicly accessible locations; 3) preserve unique natural or historical features; 4) minimize tree, vegetation and soil removal and grade changes; 5) maximize open space retention; and 6) screen objectionable features from neighboring properties and roadways.
		b. In the absence of town services, the development shall be served with adequate water supply and waste disposal systems provided by the applicant. For structures to be served by an on-site waste disposal system, the applicant shall submit a septic system design prepared by a Certified Engineer and approved by the Board of Health.
		c. The plan shall maximize the convenience and safety of vehicular and pedestrian movement within the site and in relation to adjacent ways. The plan shall describe estimated average daily and peak- hour vehicular traffic to be generated by the site, traffic flow patterns for vehicles and pedestrians showing adequate access to and from the site, and adequate circulation within the site.
		d. The site plan shall show adequate measures to prevent pollution of surface or groundwater, to minimize erosion and sedimentation, to prevent changes in groundwater levels, and to prevent increased run-off and potential for flooding. Drainage shall be designed so that run-off shall not be increased and that neighboring properties will not be adversely affected. A system of groundwater recharge shall be provided that does not degrade groundwater quality. Recharge shall be by storm water infiltration basins or a similar system covered with natural vegetation. Dry wells shall be used only where other methods are not feasible. All basins and wells shall be preceded by oil, grease and sediment traps to facilitate removal of contamination. Any and all recharge areas shall be permanently maintained in full working order by the owner.
		e. Electric, telephone, cable TV, and other such utilities are required to be underground unless proven to be physically and environmentally unfeasible.

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February 11, 2016

The following are abutters located within 300' to the property located at 16 Walpole Rd., Haydenville, Ma; further identified as Map 7G, Lot 65.0, Map 7G, Lot 65.A and Map 11K, Lot 14. This property is owned by Susan Fortgang and David M Nehring with a mailing address of 34 Harrison Ave., Northampton, Ma 01060.

Map -Lot	Owners	Location	Mailing
7G-25	Alden E Bacon	121 South St	121 South St
7G-26	Louise Bacon	121A South St	
7G-27	WMECO	109 South St	PO Box 270
7G-66	Property Tax Dept	40 Walpole Rd	Hartford, Ct 06141
7G-58-3	Francis Rowley, Tr Linda Rowley, Tr	3 Hatfield St	Same
7G-31	Philip C Merritt	67 South St	67 South St
7G-64	Diane C Merritt	30 Walpole Rd	
7G-65.1	Richard Briggs Susan Briggs	15 Walpole Rd	PO Box 221 Haydenville
7G-94	Thomas Beattie Francine Beattie	79R South St	79 South St
11K-8	Poverty Mountain Ptnr, LLP	109 Main St	PO Box 231 Williamsburg
11K-9	Richard Schmith Beverly Schmith	9 Pondview Dr Haydenville	Same
11K-10	Donald Johnson	7 Pondview Dr	Same
11K-11	Janet Nurczyk	5 Pondview Dr	Same
11K-16	Ellen Wittlinger David Pritchard	1 Kingsley Ave	Same
11K-33	Penelope Johnson	5 Hatfield Rd	Same

11K-210	Nooitgedacht a ptnrsp Alicia DeNood Ayer	125 Main St	186 Old Stage Rd Peterborough, NH 03458
11K-211	Nancy Hoar, Tr	123 Main St	PO Box 276, Hydville
11K-213	The Brassworks Assoc Mt Holyoke Mgmt, LLC	132 Main St	667 Main St Holyoke, MA 01040
11K-214	Marken Properties, Inc c/o H Berezin	9 Walpole Rd	667 Main St Holyoke, Ma 01040
11K-215 11K-215.A	Richard T Briggs, Trs Susan P Briggs, Trs of the Briggs Nominee Tr	13 Walpole Rd	PO Box 221 Haydenville
11K-294	Tom Masters Charonne Masters	14 Fort Hill Rd	PO Box 100 Florence, Ma 01062-100
11K-295-1	Michael Moran Lynn Moran	PO Box 278 20R S Main St Haydenville	Same

We certify, to the best of our abilities, that this is a list of all the abutters to the above described property within our municipality.

Peter B. Sherry Jr.
Dennis A. Bonetto
Alan G. Smith

Williamsburg Board of Assessors



Williamsburg Water/Sewer Commission

141 Main Street, P.O. Box 447

Haydenville, Massachusetts 01039-0447

Ph: (413) 268-8430

Fax: (413) 268-8409

May 3, 2016

RE: 16 Walpole Road

To Whom It May Concern,

This is to certify that the Water & Sewer Infrastructure on Walpole Road is sufficient for any planned project at 16 Walpole Road.

William Turner, Acting Chairman

Williamsburg Water & Sewer Commission

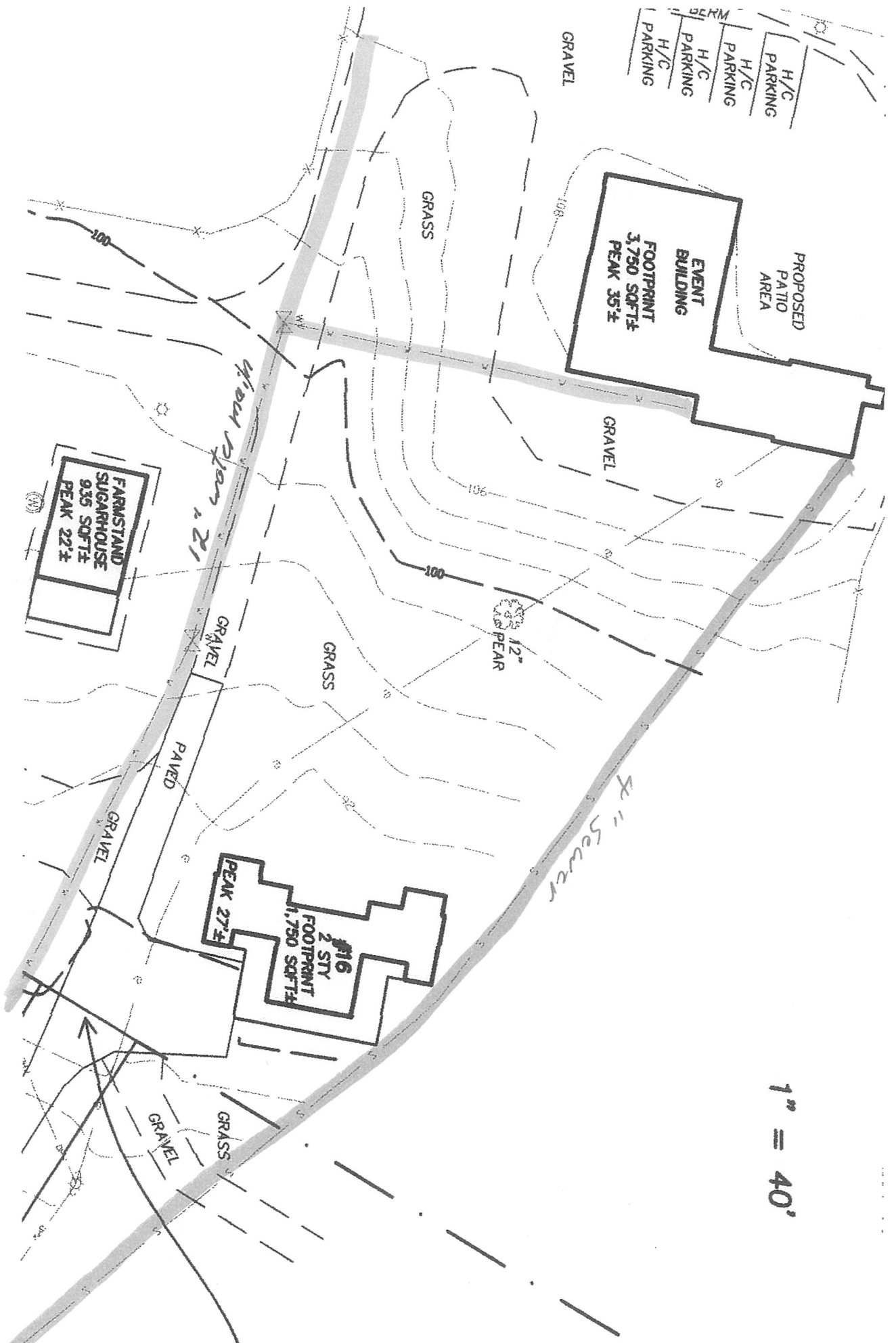
William Turner

James Hyslip

Jerry Roberge

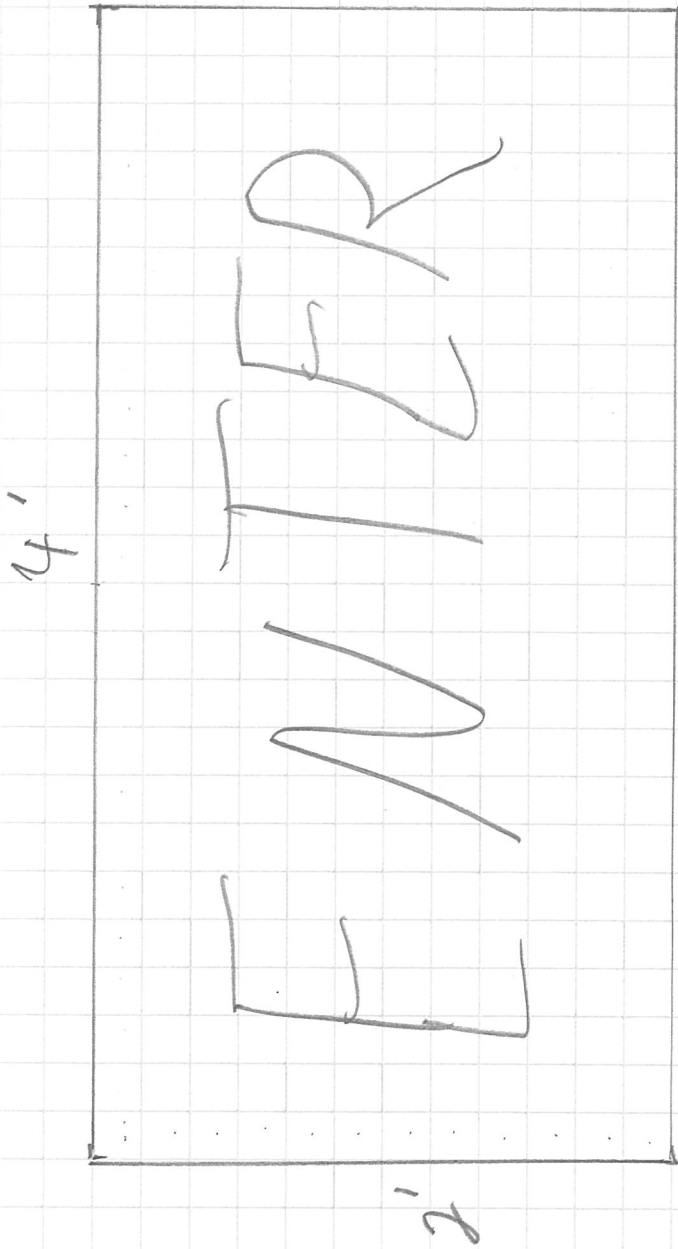
Eric Cerreta

Donald Hultman

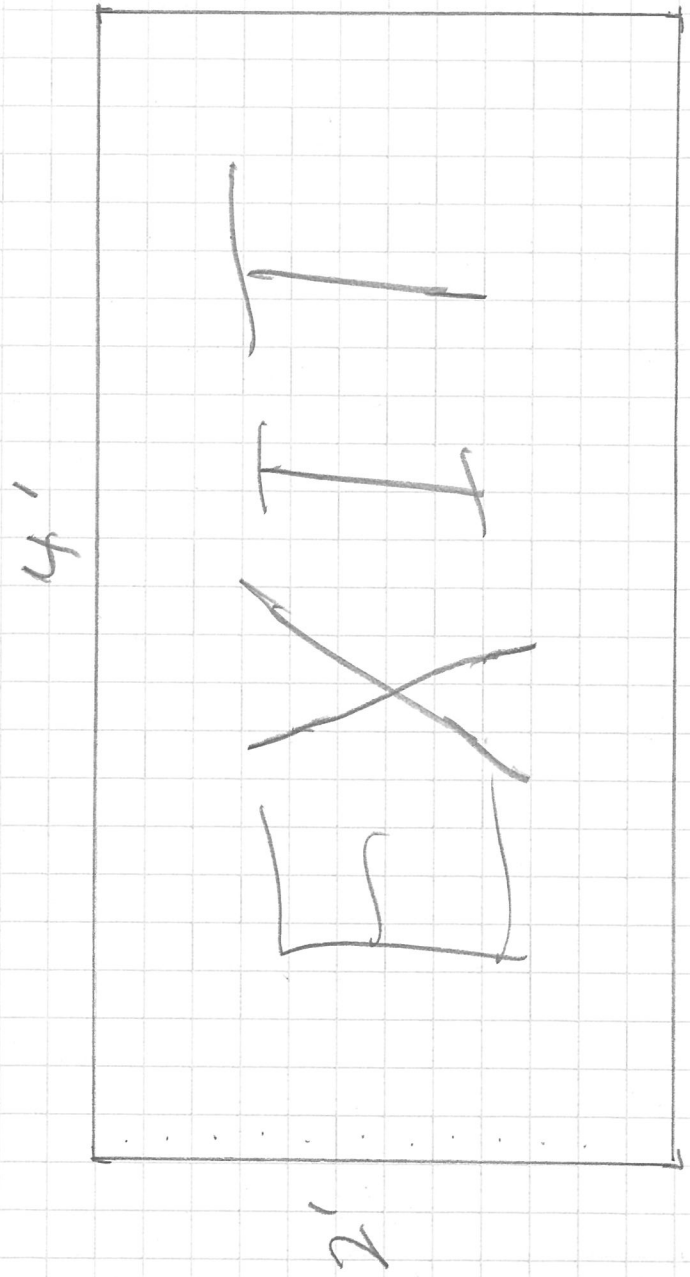


1" = 40'

Proposed Traffic Signage



$\frac{1}{4}'' = 2''$



518

Reflector: 518 - 18" Standard Dome

Application: Indoor/Outdoor Use, for Commercial, Retail, Restaurant, Residential. Gooseneck or Pendant Mounting

Material: Reflector is a precision spun aluminum. Turned in bottom bead adds strength and prevents the collection of dirt and water. Die-cast flanged mounting hub and hex nut.

Dimensions: Diameter: 18" Height: 11 5/8"

Max Wattage: 300W Open fixture. Optional enclosures may reduce max wattage.

Manufactured: Made in USA

Coating: Finished in thermally cured high quality polyester powder coat paint. Reflector is available in a variety of different color options. Comes standard in white powder coated inside, which has at least 85% reflectance.

Color: G15 - Rust

LampType - MED5 - E26 Medium Base Socket

Certification: Underwriter's Laboratories Inc. @ Listed "Suitable for Wet Locations", cULus listed for Canadian use.

GN23A - 23" Style A Gooseneck

Color: G15 - Rust

SCDC - SCDC Canopy

Decorative Canopy, Covers SC Plate

Comes Slip Ring

Color: G15 - Rust

E41 - 41 Clear

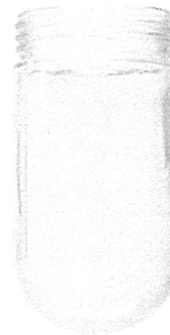
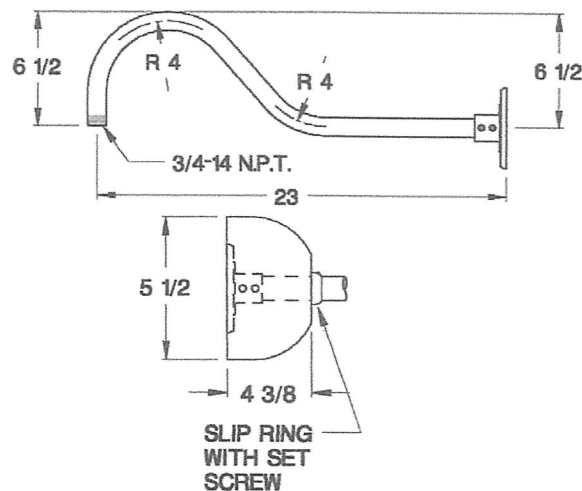
41 Clear



Project:
Company:
Prepared By:



SCONCE MT.



Product Code: 518-G15 / MED5 / GN23A-G15 / SCDC-G15 / E41

BockLighting

2476 Edison Blvd. Twinsburg, OH 44087

P: (216) 912-7050 F: (216) 912-7051

w: <http://www.BockLighting.com>

518

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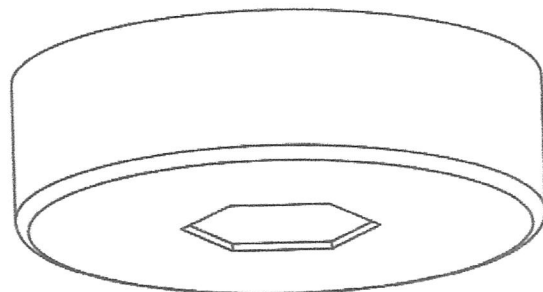
Color: G15 - Rust

LampType - MED5 - E26 Medium Base Socket

Certification: Underwriter's Laboratories Inc. @ Listed "Suitable for Wet Locations", cULus listed for Canadian use.

DCMH - Direct Canopy Mount with Hex

Color: G15 - Rust



10" FLUSH

Color: -



DIRECT MT.

* W/ E41 CLEAR GLASS

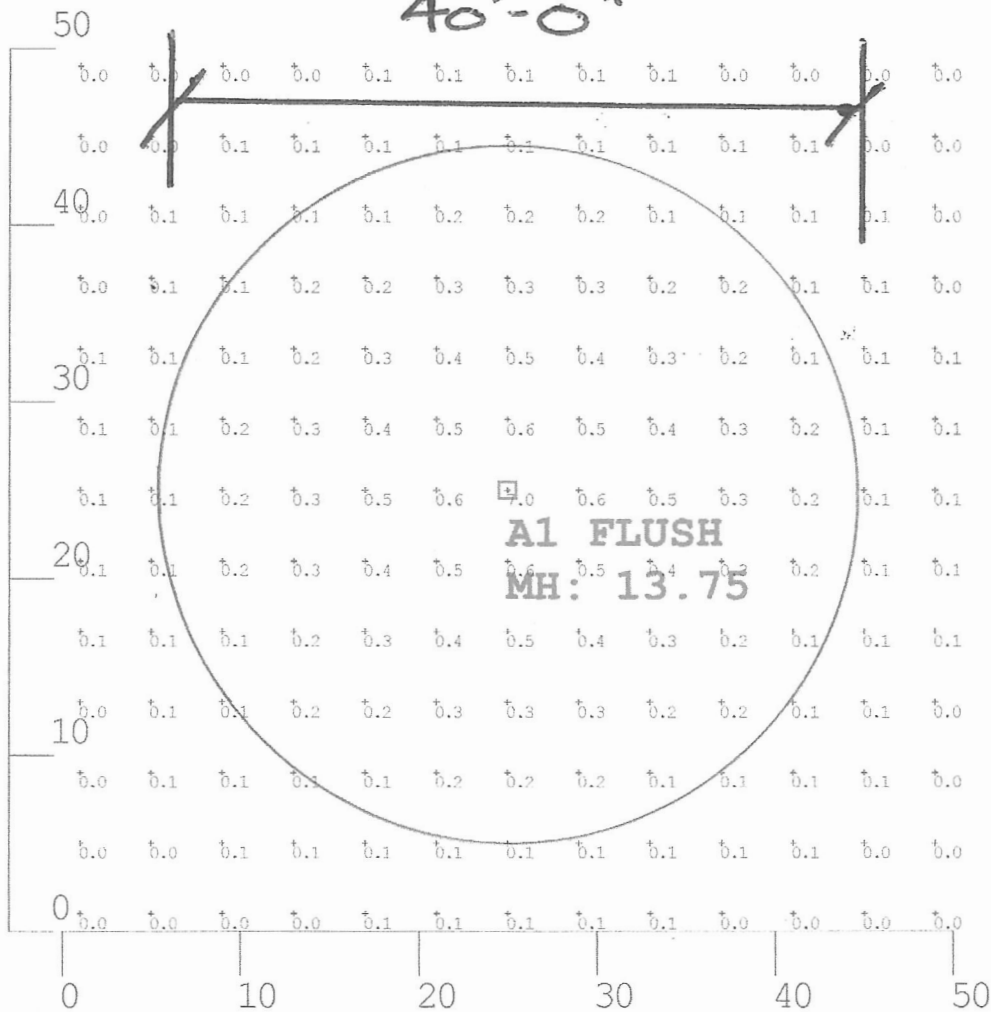
BockLighting

2476 Edison Blvd. Twinsburg, OH 44087

P: (216) 912-7050 F: (216) 912-7051

w- <http://www.BockLighting.com>

40'-0"



LANGLAIS
GROUP INC

17 Sun Place Road
South Windsor, CT 06074
860-648-2372

Disclaimer:

1. This report is for design purposes only. It is not a contract and should not be used for any other purpose.
2. This report is based on information provided by the client. The engineer is not responsible for the accuracy of the information provided.
3. The engineer is not responsible for the construction of the project.
4. The engineer is not responsible for the safety of the project.
5. All existing conditions and hazards are to be determined by the client.

Valley View Farm
Northampton MA

CALCULATION NOTES

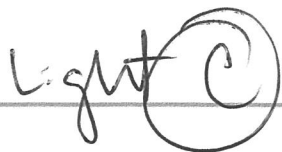
Calculation Grid Height:
@ Floor

SCALE: Not To Scale
DATE: 06.30.2016

P100

* 75 WATT





COOPER LIGHTING - ALL-PRO™

DESCRIPTION

The ALL-PRO™ LED Outdoor Security series is designed to provide superior security with the sustainability of LED Technology. Designed for performance with a refined look, the durable die-cast aluminum construction and innovative LED design come in a full range of styles and lumen outputs to match all outdoor security needs. The patent pending products can be wall or eave mounted for entry ways, garage and corners. ALL-PRO™ LED outdoor security lighting provides the safety of super bright lighting, energy savings up to 90%, and the convenience of one-time installation without re-lamping.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

- Durable die-cast aluminum housing suitable for wet locations
- Powder coated bronze or white finish
- High reflectance polycarbonate reflector for maximum LED light output
- Tool-less head adjustment
- Tempered glass lens
- Suitable for wall or eave mounting using recessed junction box
- Adapter plate included for easy recessed junction box mounting

Electrical

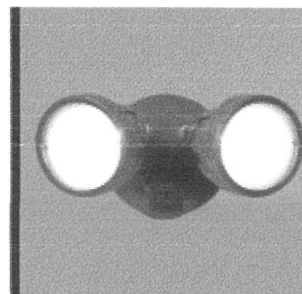
- 120VAC, 60Hz
- Maintenance-free LEDs with 35,000 hours of life
- Fixture operating temperature range from -30°C to 40°C
- UL and CUL listed for wet locations
- External supply wiring 75°C minimum
- Dusk to Dawn option available with non-replaceable photocell

Optics

- Precision optics for maximum efficiency
- 4000K color temperature perfect for security applications
- 1700 Lumen package

Warranty

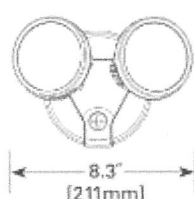
- 2 year limited warranty



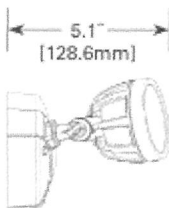
LED ROUND FLOOD SERIES

LED Twin Round Flood

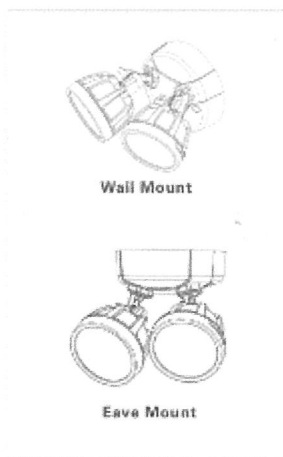
DIMENSIONS



Front View



Side View



Wall Mount

Eave Mount

ORDERING INFORMATION

Sample Number: FTR1740LPCW

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Application F = Floodlight	Head Design T = Twin	Series R1740L = Round Flood 1700 lumens 4000K CCT	Application Options Blank = No photocell PC = Photocell 120V	Housing Color Blank = Bronze W = White

Innovation you can rely on™

SustainableLEDesign

CERTIFICATION DATA

UL/CUL Wet Location Listed
Lighting Facts² Approved

TECHNICAL DATA

120V only
-30°C to 40°C Temperature Rating
External Supply Wiring 75° Minimum
Wall and Eave Mount

This compact, yet durable die-cast aluminum floodlight provides a flood of light from a single LED diode. Lighting Facts approved to provide 650 lumens and 50,000 hours of life using less than 9 watts. It is an ideal replacement for a 50W halogen. Die cast swivel are 1/2" NPS makes mounting simple to a standard junction box. Integrated heat fins, white reflector and tempered glass lens ensures optimum performance and suitable for wet location. Available in bronze or white finishes. Ideal applications for security, building facades, display signs and other residential outdoor flood or landscape lighting.



FEATURES AND CHARACTERISTICS

- Sturdy aluminum die cast housing and face grame
- Durable polyester powder coat finish
- Tempered glass lens
- Integrated heat fins for optimized heat dissipation
- White Reflector
- 1/2" NPS die casting swivel arm
- LED: Citizen CLL022-1202 with LM80 or Equivalent
- System Power Consumption: 8.4W
- Delivered Lumens: 650 Lumens, Lighting Facts Approved
- Input Voltage: 120-277Vac 50/60 HZ
- Minimum starting temperature -22 Degrees F
- No Dimmable
- UL/CUL listed for Wet Locations
- Package 1 Piece per box, 12 Pieces Master Carton
- 5 Year Limited Warranty



ORDERING INFORMATION

Item No.	Description	Size
LFS4L8W650LMV40KBZ	LED FLOOD 8W 650L MV 40K BZ	4.0"Dia x 5.8"Ext
LFS4L8W650LMV40KWH	LED FLOOD 8W 650L MV 40K WH	4.0"Dia x 5.8"Ext

LANGLAIS
GROUP INC.

11 Sea Pave Road
South Windsor, CT 06074
860-648-2372

Photometric Notes:

1. Verify age and all dimming compatibility with Electrical Contractor prior to ordering.
2. Verify final voltage with Electrical Contractor prior to installing.
3. Photometry is based on manufacturer's CCT, CRI, and beam angle data. All values are approximate and subject to change without notice.
4. All point luminance and angles to be verified by client.
5. All mounting details and hardware to be determined by client.

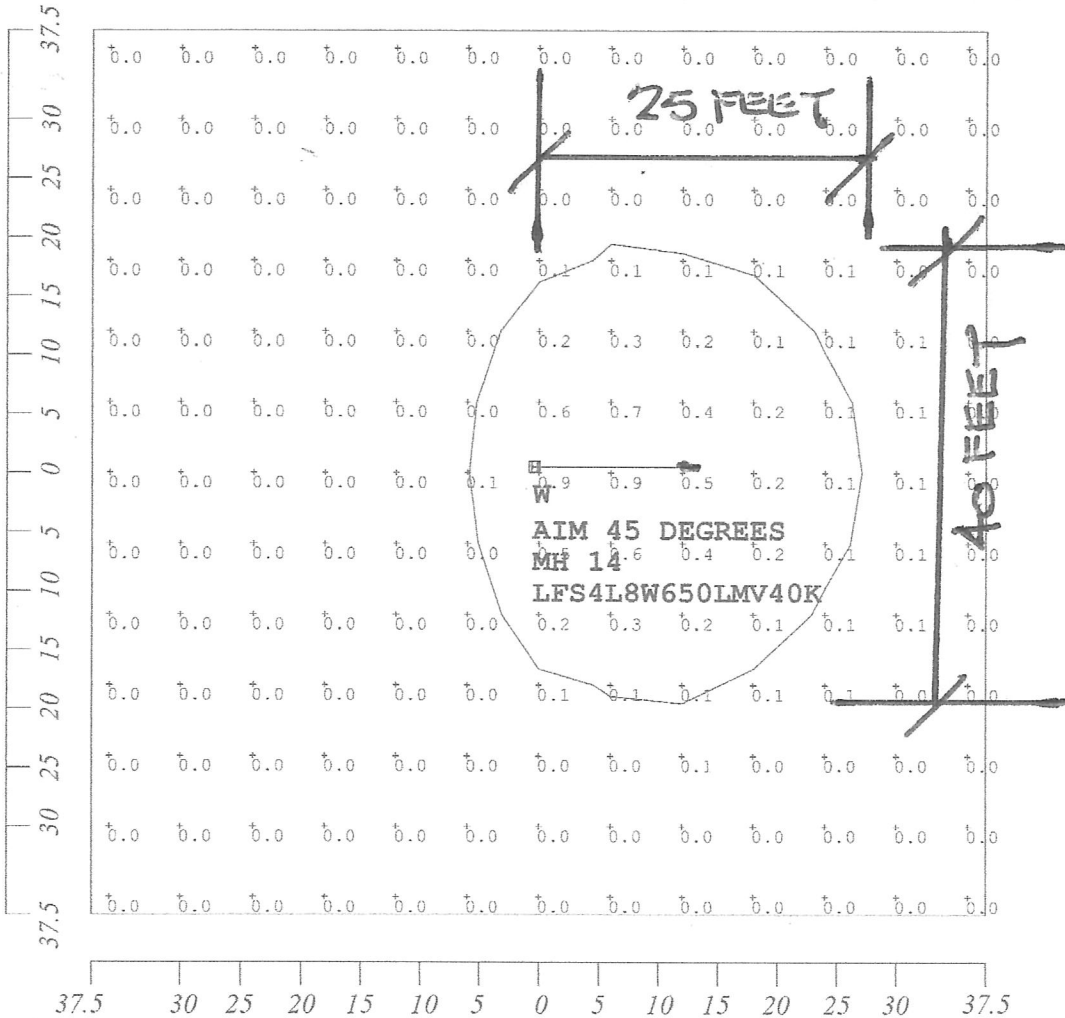
Valley View Farm
Northampton MA

CALCULATION NOTES

Calculation Grid Height:
@ Floor

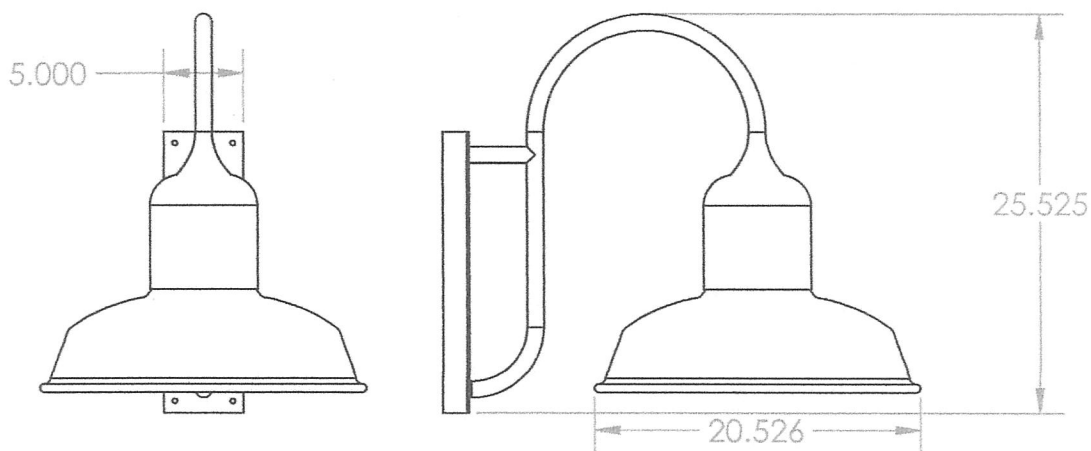
SCALE: Not To Scale
DATE: 07.06.2016

P100



POST MOUNT

Parking



520B with Special Flared Fitter / MED5
WB-GN1 with Back Box WB-GX
Globe: 41 Glass Globe
Lamp Type: Medium Base, 100W or LVE01 LED 1800lm
Certification: cULus

BockLighting

2476 Edison Blvd
Twinsburg, OH 44087

P: (216) 912-7050
F: (216) 912-7051

Project:
Item: HQ00092 / Rev:
Mat:
Date: 6/3/2016

w: www.bocklighting.com
e: sales@bocklighting.com

Notes:

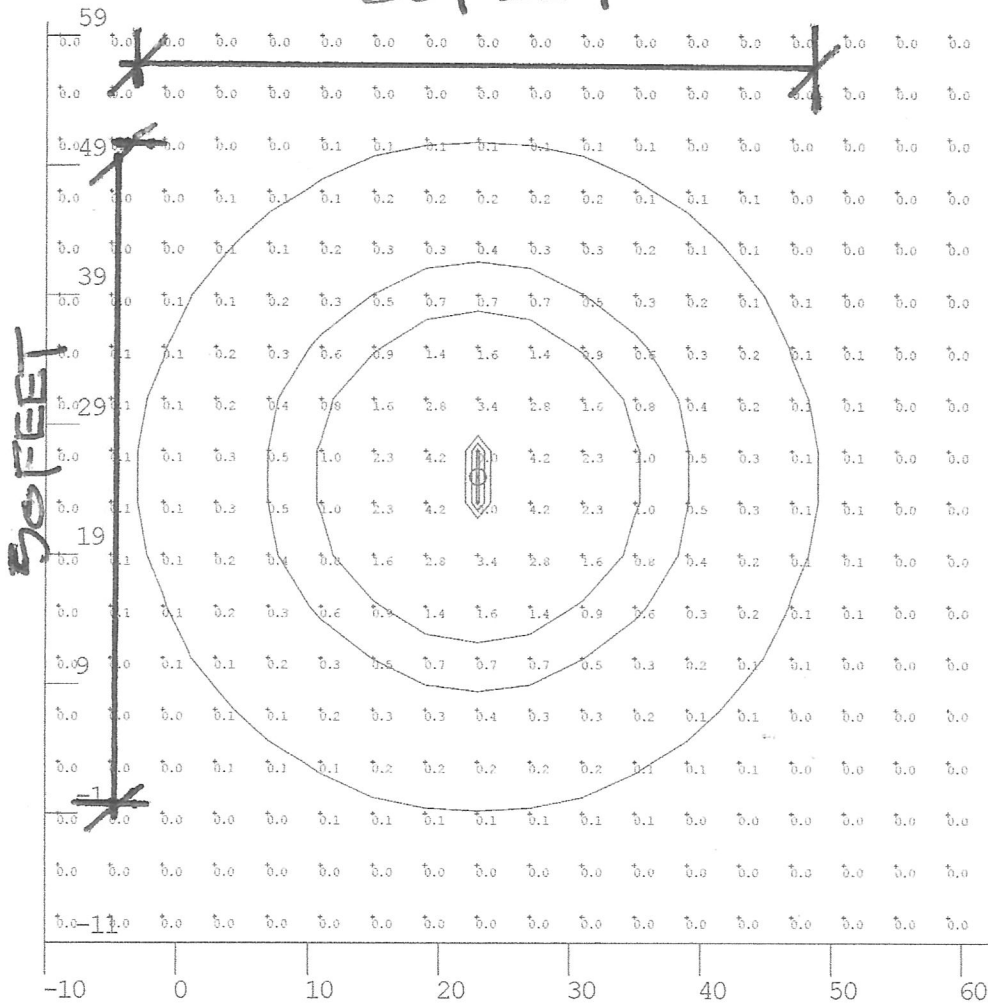
PROPRIETARY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BOCK COMPANY, LLC.
ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BOCK COMPANY, LLC IS PROHIBITED.

SIZE Scale UOM
A SCALE:1:12

SHEET 1 OF 1

parking
SINGLE
HEAD
POST MT.
100 WATT

50 FEET



LANGLAIS
GROUP INC.

11 Sea Pave Road
South Windsor, Ct 06074
860-648-2372

Photometric Notes:

1. Verify any and all mounting computations with fixture dimensions prior to wiring.
2. Field footcandle values with Electrical Contractor prior to wiring.
3. Footcandle is based on mounting height of 10' Etc. Also, while they may vary slightly and numerical variations are not the responsibility of the Lighting Group.
4. Any pole location and height to be verified by Owner.
5. All mounting details and hardware to be determined by Owner.

Back

CALCULATION NOTES

Reflectance Levels:
Ceiling: 80%
Walls: 50%
Floor: 20%

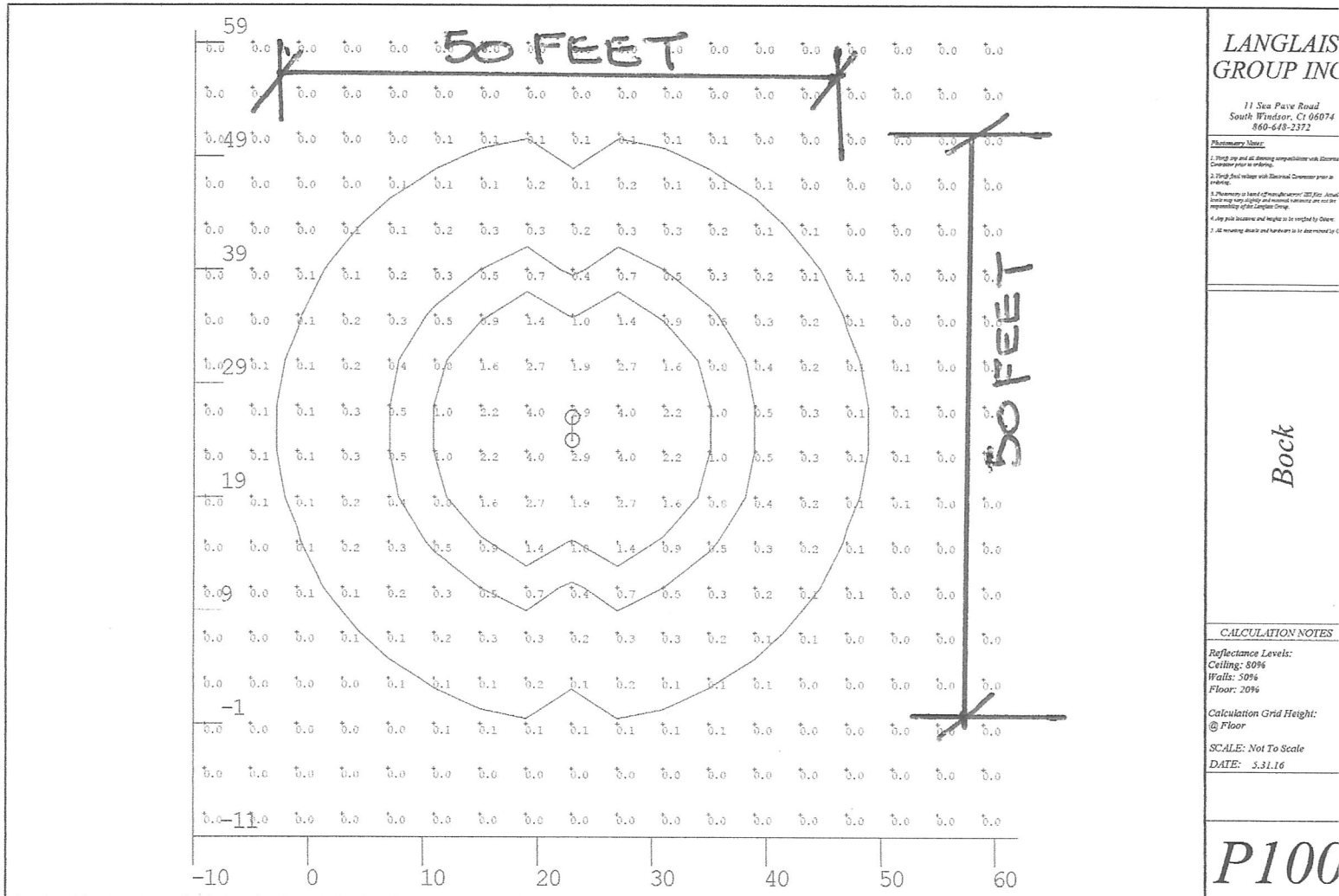
Calculation Grid Height:
@ Floor

SCALE: Not To Scale
DATE: 5.31.16

P100

MTG HT 10'-0"

parking
TWIN
HEAD
POST MT
GO WATT



LANGLAIS
GROUP INC

11 Sea Pave Road
South Windsor, Ct 06074
860-648-2372

Particulars:

1. Find any and all existing obstructions with Electrician prior to starting.
2. Find and replace with Electrical Contractor prior to starting.
3. Photometry is based on Photometrics 2000. All Actual values may vary slightly and measured values are not for reproduction of this drawing.
4. All pole locations and heights to be verified by Owner.
5. All mounting details and hardware to be determined by Owner.

Back

CALCULATION NOTES

Reflectance Levels:
Ceiling: 80%
Walls: 50%
Floor: 20%

Calculation Grid Height:
@ Floor

SCALE: Not To Scale
DATE: 5.31.16

MTG HT 10'-0"

h EAVy d u Ty

Rh 12 , Rh 14 , Rh 16 , Rh 18 , Rh 20

Aluminum Shade w/ Glass and Guard Options

1/2" IP and 3/4" IP Arm, Stem and Pendant Options

UL Wet Location Listed

UL Damp Location Listed Pendants



Pavillion



Fixture

- Aluminum Shade
- Incandescent, Fluorescent, and LED Options

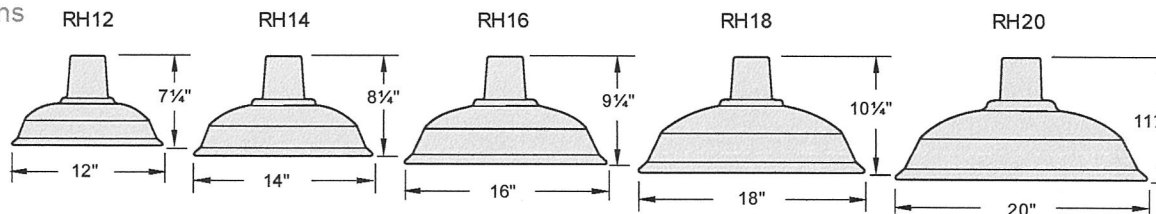
Finishes

- Shade, Arm and Stem Finish Options
- See Reverse Side of Sheet for Finish Options

Mounting

- 1/2" IP and 3/4" IP Arms Available
- Stem and Pendant Options

ORDERING EXAMPLE
(fixture and mounting shown)



pipE	cAT no.	Lamp	finish	pipE	mounting	finish
3	Rh 18	LED18	pn A	3	SL23	pn A

3/4" IP, Heavy Duty 18", 18W LED, Painted Natural Aluminum Shade

3/4" IP, Small Loop 23", Painted Natural Aluminum

pipE	cAT no.	Lamp / BALLAST	shade / mount finish	Accessories
2 1/2" IP	RH12	M	Incandescent Med Base 100W max	CG Clear Glass
3 3/4" IP	RH14	GU2413 ¹	13W GU24 Base, 2700K, 120V	FG Frosted Glass
	RH16	GU2418 ¹	18W GU24 Base, 2700K, 120V	OG Opal Glass
	RH18	GU2426 ¹	26W GU24 Base, 2700K, 120V	CGG Clear Glass w/ Cast Guard
	RH20	GU2432 ^{1,6}	32W GU24 Base, 2700K, 120V	FGG Frosted Glass w/ Cast Guard
		GU2442 ^{1,6}	42W GU24 Base, 2700K, 120V	OGG Opal Glass w/ Cast Guard
		LED12 ^{1,11}	12W COB LED, 2700°K 90 CRI, 120V, 840 Lumens	CGWC Clear Glass w/ Wire Cage
		LED18 ^{1,11}	18W COB LED, 2700°K 90 CRI, 120V, 1260 Lumens	FGWC Frosted Glass w/ Wire Cage
				OGWC Opal Glass w/ Wire Cage
				WG Wire Guard

¹ LAMPS/LEDS INCLUDED

⁶ NOT FOR USE IN GLASS/CASTGUARD/WIRE CAGE ENCLOSURES

¹¹ FROSTED GLASS (FG) INCLUDED

pipE	cAT no.	Lamp/BALLAST	shade finish	Accessory
3	RH18	LED18	PNA	

mount pipE	mount	mount finish
3	SL23	PNA

Project _____

Fixture Type _____

Location _____

Contact _____

Phone _____



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14508 Nelson Avenue City of Industry, CA 91744
www.TroyRLM.com T: 626.336.4511 F: 626.330.4266

ARMS CANNOT BE USED WITH STRUCTURE RLM.

ORDERING EXAMPLE 2 LC18 BK

½" IP Curve Arm – 18", Gloss Black Arm Finish

PIPE	CAT NO.	ARM TYPE	ARM FINISH ²
2 ½" IP	SL23	Small Loop – 23"	All Standard and Specialty Finishes
3 ¾" IP	SL30	Small Loop – 30"	
	LL23	Large Loop – 23"	
	LL30	Large Loop – 30"	
	LC18	Curve Arm – 18"	
	LC24	Curve Arm – 24"	
	LC30	Curve Arm – 30"	
	LM18	Miter Arm – 18"	
	LM24	Miter Arm – 24"	
	LM30	Miter Arm – 30"	
	SA18	Sign Arm – 18"	
	SA23	Sign Arm – 23"	
	LSA23	Large Loop Sign Arm – 23"	
	LSA30	Large Loop Sign Arm – 30"	
	A6	Straight Arm – 6"	
	A12	Straight Arm – 12"	
	A18	Straight Arm – 18"	
	A24	Straight Arm – 24"	
	A30	Straight Arm – 30"	
	MA18	Modern Arm – 18"	
	MA24	Modern Arm – 24"	
	MA30	Modern Arm – 30"	

Mid Century Arms – page 1. Fresh and Paradigm Mounts – pages 2-3. Modern and Classic Mounts – page 8. LS Series Mounts – pages 18-19.

² SEE FINISHES ON PAGE 38

POSTS & MOUNTS CANNOT BE USED WITH STRUCTURE RLM.

ORDERING EXAMPLE P8683TBZ-96

Cast Aluminum Base w/Aluminum Post, 96", Textured Bronze Post Finish

HEIGHT	CAT NO.	POST TYPE	POST FINISH ²
68¾"	PM4946	Cast Aluminum Post	All Standard Finishes
96"	P8683-96	Cast Aluminum Base	
120"	P8683-120	w/ Aluminum Post	
96"	P8684-96	Straight Aluminum Post	
120"	P8684-120	Straight Aluminum Post	
4½"	PM8685	Cast Aluminum Pier Mount w/ Cover	

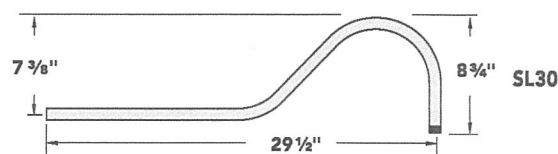
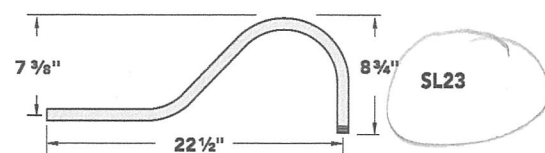
ORDERING EXAMPLE 2 W1 SGW

½" IP Traditional Wall Mount, Semi Gloss White Mount Finish

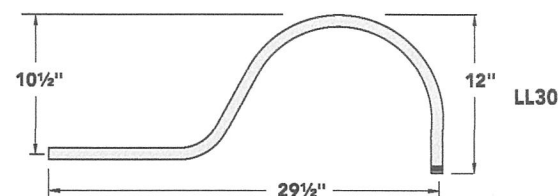
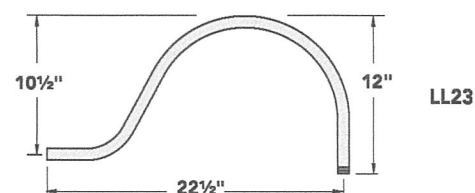
PIPE	CAT NO.	MOUNT TYPE	MOUNT FINISH ²
2 ½" IP	P1	Single Post Mount	All Standard and Specialty Finishes
	P2	Double Post Mount	
	W1	Traditional Wall Mount	

² SEE FINISHES ON PAGE 38

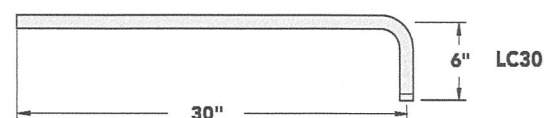
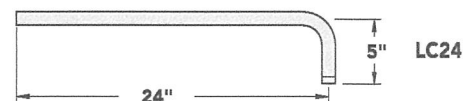
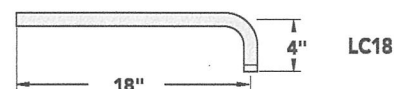
SMALL LOOP ARM



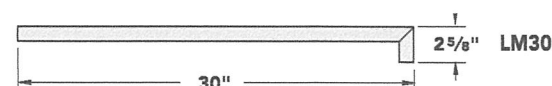
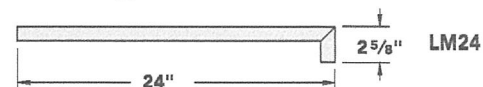
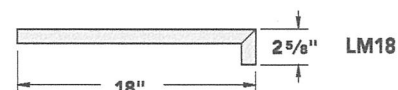
LARGE LOOP ARM



CURVE ARM

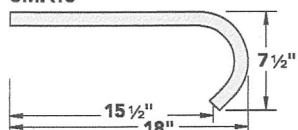


MITER ARM

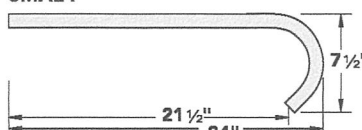


MODERN ARM

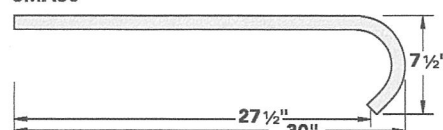
3MA18



3MA24



3MA30



h EAVy d u Ty

Rh 12 , Rh 14 , Rh 16 , Rh 18 , Rh 20

Aluminum Shade w/ Glass and Guard Options

1/2" IP and 3/4" IP Arm, Stem and Pendant Options


UL Wet Location Listed

UL Damp Location Listed Pendants



I A m p s / b A l l A s T s

i n c A n d E s c E n T I A m p s


	w A T T s	L u m E n s	v o L T s	A p p L i c A T i o n	B A s E
 M Medium	100W max	1400	120V	w/o Glass	Med (E26)
	100W max	1400	120V	w/ Glass	Med (E26)
	100W max	1400	120V	Pendant	Med (E26)

I E d s (i n c l u d e d)

c A T . n o .	w A T T s	L u m E n s	v o L T s	c o L o R T E m p ±100°	c R i	D i m m i n g
LED12	12W	840	120V	2700°K	90	Incandescent
LED18	18W	1260	120V	2700°K	90	Incandescent

70% lumen maintenance @ 50,000 hours

c o m p A c T f l u o R E s c E n T I A m p s (g u 2 4 c f l)

	w A T T s	L u m E n s	120v	c o L o R T E m p	B A s E	L A m p T y p E
 GU24 Self Ballasted	13	900	GU2413	2700°K	GU24	bi-pin twist & lock spiral lamp (included)
	18	1200	GU2418	2700°K	GU24	bi-pin twist & lock spiral lamp (included)
	26	1450	GU2426	2700°K	GU24	bi-pin twist & lock spiral lamp (included)
	32	2200	GU2432	2700°K	GU24	bi-pin twist & lock spiral lamp (included)
	42	2800	GU2442	2700°K	GU24	bi-pin twist & lock spiral lamp (included)

f i n i s h E s

COASTAL FINISH OPTION

- The Coastal Finish is a coating available to protect finishes on fixtures installed in coastal environments.
- To specify, add "-C" to end of order number

FIXTURES/SHADES

- Specialty Finishes can be specified for all Fixtures/Shades, unless otherwise noted.
- The insides of all Shades are painted Gloss White (WT) unless otherwise specified.
- Fixtures/Shades in Galvanized (GA) finish are not painted white inside. Shades will be Galvanized (GA) finish inside.
- Mounting Canopy finish to match Shade finish

MOUNTS

- Arms, Stems and Wall Mounts can be specified in all Standard and Specialty Finishes.
- Post Mounts can be specified only in Standard Finishes.

s T A n d A R d f i n i s h E s

ABL Aegean Blue	PNC Painted Natural Copper
BB Burnished Bronze	RD Red
BK Gloss Black	SGW Semi Gloss White
BLU Blue	SS Satin Silver
BZP Bronze Patina	TBZ Textured Bronze
DVG Dove Gray	TGP Textured Graphite
FLG Flannel Gray	TNG Tangerine
HG Hunter Green	TTL Tahitian Teal
LG Lime Green	WT Gloss White
MB Matte Black	
PNA Painted Natural Aluminum	

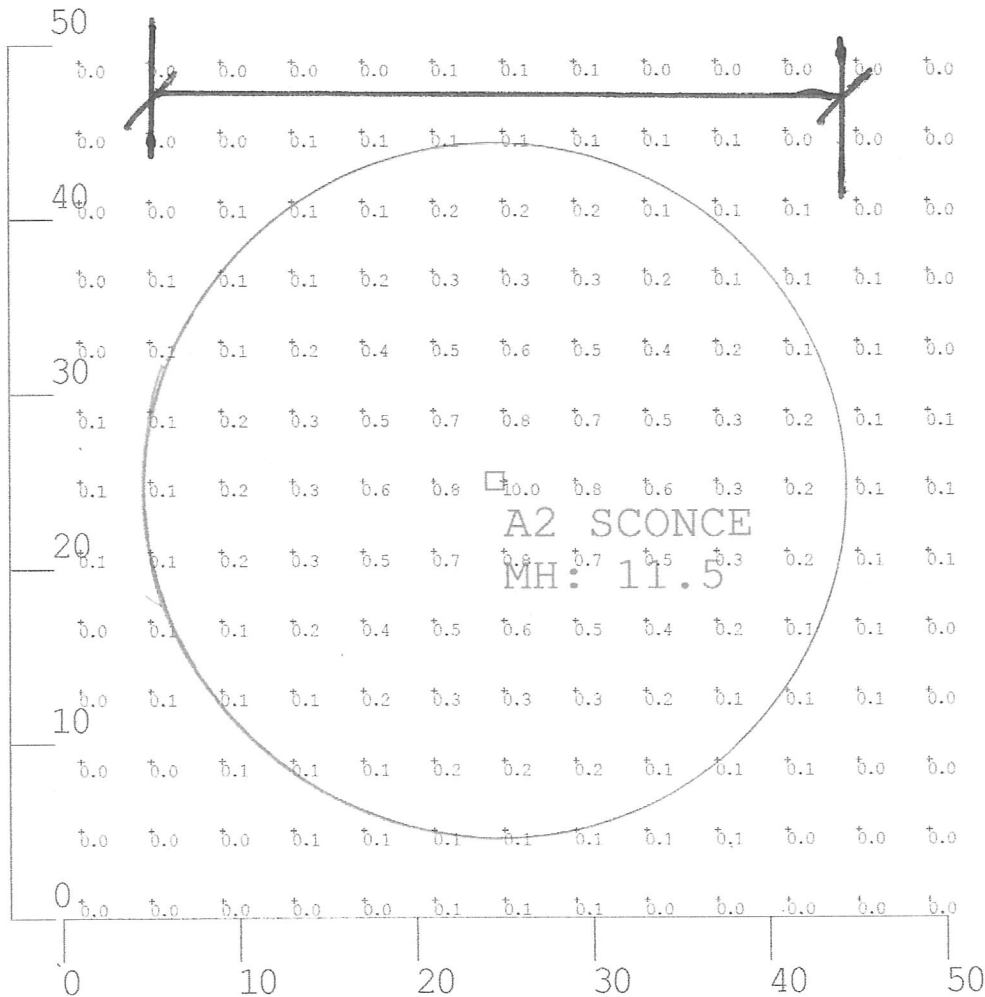
s p E c i A l i T y f i n i s h E s

GA Galvanized	SA Satin Aluminum
---------------	-------------------



pavilion

40' FEET



LANGLAIS
GROUP INC.

11 See Pave Road
South Windsor, Ct 06074
860-648-2372

Photometry Notes:
1. Check eye and all drawing content with Electrical
Consultant prior to printing.
2. Check final layout with Electrical Consultant prior to
printing.
3. Photometry is based on 1/2" = 1' and 1/4" = 1' scale. Actual light
levels may vary slightly and numerical values are not the
responsibility of the Langlais Group.
4. Any final numbers and layout to be verified by Client.
5. All mounting details and hardware to be determined by Client.

Valley View Farm
Northampton MA

CALCULATION NOTES

Calculation Grid Height:
@ Floor

SCALE: Not To Scale
DATE: 06.30.2016

P100

* 75 WATT

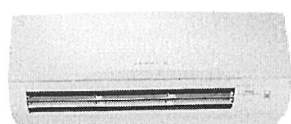
SUBMITTAL DATA: MSZ-D36NA-8 & MUZ-D36NA-1

36,000 BTU/H WALL-MOUNTED HEAT-PUMP SYSTEM

Job Name:

System Reference:

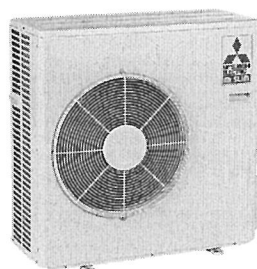
Date:



Indoor Unit: MSZ-D36NA-8



Wireless Remote Controller



Outdoor Unit: MUZ-D36NA-1

GENERAL FEATURES

- Catechin and anti-allergy enzyme filters for high air-purification capabilities
- Updated sleek, compact indoor unit design
- Remote-controlled wide airflow enables ideal horizontal air distribution
- Self-check function—onboard diagnostics
- Advanced microprocessor control
- Auto restart following a power outage
- Hand-held Wireless Remote Controller
- Anti-allergy Enzyme Filter
- Limited warranty: five years parts and seven years compressors

ACCESSORIES

Outdoor Unit

- ☐ Drain Socket Assembly (MAC-811DS)

Indoor Unit

- ☐ Condensate Pump (230V; SI3100-230)

Controller Options

- ☐ Wireless Wall-mounted Remote Controller Kit (MHK1)*
- ☐ Portable Central Controller (MCCH1)*
- ☐ Outdoor Air Sensor (MOS1)*
- ☐ Wired Wall-mounted Controller (PAR-31MAA requires MAC-333IF)*
- ☐ Simple MA Remote Controller (PAC-YT53CRAU requires MAC-333IF)*

*See Submittal for information on each option.

- ☐ System Control Interface (MAC-333IF)



2-SERIES AT PUMP



Wall-mounted models

Horizontal ducted models

Ceiling-suspended models

Model Name	Indoor Unit		PKA-A30KA6		PKA-A36KA6		PEAD-A30AA5		PEAD-A36AA5		PEAD-A42AA5		PCA-A36KA6			
	Outdoor Unit		PUZ-HA30NHA4		PUZ-HA36NHA4		PUZ-HA30NHA4		PUZ-HA36NHA4		PUZ-HA42NKA		PUZ-HA36NHA4			
Cooling *1	Rated Capacity	Btu/h	30,000		33,500		30,000		34,000		42,000		30,000			
	Capacity Range	Btu/h	18,000-30,000		18,000-33,500		18,000-30,000		18,000-36,000		19,000-42,000		18,000-30,000			
	Total Input	W	2,500		2,790		2,480		2,800		4,200		2,480			
	Energy Efficiency	SEER	16.5		16.2		16.5		16.8		14.3		16.1			
	Moisture Removal	Pints/h	8.1		8.7		8.9		7.3		9.0		8.3			
	Sensible Heat Factor		0.70		0.71		0.67		0.76				0.69			
Heating at 47° F *2	Rated Capacity	Btu/h	32,000		38,000		32,000		38,000		48,000		32,000			
	Capacity Range	Btu/h	18,000-34,000		18,000-40,000		18,000-34,000		18,000-40,000		2,100 - 54,000		18,000-34,000			
	Total Input	W	2,930		3,410		2,750		3,150		3,800		2,990			
	HSPF (IV)	Btu/h/W	9.5		10		9.5		10.4		10.8		9.3			
Heating at 17° F *3	Rated Capacity	Btu/h	19,000		25,000		19,000		27,000		43,000		19,000			
	Maximum Capacity	Btu/h	32,000		38,000		32,000		38,000		48,000		32,000			
	Total Input	W	2,930		3,410		2,750		3,150		3,800		5,170			
Heating at 5° F *4	Maximum Capacity	Btu/h	32,000		38,000		32,000		38,000		48,000		32,000			
	Total Input	W	5,770		6,760		5,420		6,100		7,030		5,830			
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208/230V *5													
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V													
	Indoor - Outdoor S2 - S3		DC ±24V													
Indoor Unit	MCA	A	1		2.73		3.30		1							
	Blower Motor (ECM)	F.L.A.	0.36		0.57		2.18		2.64		0.54					
	Blower Motor Output	W	56		121		244		95							
	Airflow (Lo-Mid-Hi or Lo-Mid1-Mid2-Hi)	DRY (CFM)	635-705-775		705-810-920		618-742-883		847-1,024-1,201		565-600-635-705					
		WET (CFM)	570-635-700		635-730-830		565-671-812		777-953-1,130		530-565-600-670					
	External Static Pressure *6	In. WG	0(direct blow)				0.14 - 0.20 - 0.28 - 0.40 - 0.60				0(direct blow)					
	Sound Pressure Level (Lo-Mid-Hi or Lo-Mid1-Mid2-Hi)	dB(A)	39-42-45		43-46-49		30-34-39		33-38-42		35-37-39-41					
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2				Galvanized				White Munsell 6.4Y 8.9/0.4					
	Dimension Unit	W: In.	46-1/16				43-5/16				55-1/8		50-3/8			
		D: In.	11-5/8				28-7/8				26-3/4					
		H: In.	14-3/8				9-7/8				9-1/16					
	Weight Unit	Lbs.	46		33		41		41		71					
	Drain Lift Mechanism (Included)	H: In.	N/A				33-7/16				27-9/16		N/A			
	Field Drainpipe Size	In.	I.D. 5/8				O.D. 1-1/4		I.D. 5/8				O.D. 1-1/32			
	Outdoor Unit	MCA	A	28		28		37		28						
Recommended Fuse/Breaker		A	40		30		40		44		30					
MOC		A	40		40		44		40							
Fan Motor (ECM)		F.L.A.	0.4 + 0.4				0.4 + 0.4				0.4 + 0.4					
Fan Motor Output		W	60 + 60				86 + 86				60 + 60					
Compressor		Model (Type)	INVERTER				INVERTER				INVERTER					
		R.L.A.	18				19				18					
		L.R.A.	27.5				28				27.5					
Airflow		CFM	3,530				3,320				3,530					
Refrigerant Control		Electronic Expansion Valve														
Defrost Method		Reverse Cycle														
Sound Pressure Level at Cooling *1		dB(A)	52				49				52					
Sound Pressure Level at Heating *2		dB(A)	53				51				53					
External Finish Color		Munsell No. 3Y 7.8 / 1.1														
Dimensions		W: In.	37-3/8				41-6/16				37-3/8					
		D: In.	13 + 1-3/16				52-11/16				53-1/8					
		H: In.	53-1/8				287				265					
Weight		Lbs.	265				287				265					
Refrigerant	Type	R410A														
	Charge	Lbs.	12				13.4				12					
	Oil	Type (fl. oz.)	FV50S (45)				FVC68D (57)				FV50S (45)					
Refrigerant Pipe	Gas Side O.D.	In.	5/8				3/8				5/8					
	Liquid Side O.D.	In.	3/8				3/8				3/8					
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100				100				100					
	Length (Max.)	Ft.	245				245				245					
Connection Method	Indoor/Outdoor		Flared/Flared													
Operating Temperature Range	Cooling		0° F D.B. to 115° F D.B. with Wind Baffle Accessory Installed													
	Heating		-13° F W.B. to +70° F D.B.													

Specifications are subject to change without notice

Notes: *1. Rating conditions (cooling)-Indoor: D.B. 26.7° C (80° F), W.B. 19.4° C (67° F); Outdoor: D.B. 35° C (95° F), W.B. 23.9° C (75° F).

*2. Rating conditions (heating)-In door: D.B. 21.1° C (70° F), W.B. 15.6° C (60° F); Outdoor: D.B. 8.3° C (47° F), W.B. 6.1° C (43° F).

*3. Rating conditions (heating)-Indoor: D.B. 21.1° C (70° F), W.B. 15.6° C (60° F); Outdoor: D.B. -8.3° C (17° F), W.B. -9.4° C (15° F).

*4. Rating conditions (heating)-Indoor: D.B. 21.1° C (70° F), W.B. 15.6° C (60° F); Outdoor: D.B. -15° C (5° F), W.B. -15° C (5° F).

*5. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

*6. External static pressure is factory set to 0.20" WG.

LIMITED WARRANTY Seven-year warranty on compressor. Five-year warranty on parts.

SPECIFICATIONS: MSZ-D36NA-8 & MUZ-D36NA-1

Cooling*

Rated Capacity33,200 Btu/h
Minimum Capacity9,800 Btu/h
SEER14.5 Btu/h/W
Total Input4,360 W

Heating at 47° F*

Rated Capacity35,200 Btu/h
Minimum Capacity8,700 Btu/h
HSPF8.2 Btu/h/W
Total Input3,840 W

Heating at 17° F*

Rated Capacity21,800 Btu/h
Maximum Capacity22,800 Btu/h
Maximum Total Input3,000 W

* Rating Conditions per AHRI Standard

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) WB
Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47° F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB
Heating at 17° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

ELECTRICAL REQUIREMENTS

Power Supply208 / 230V, 1-Phase, 60 Hz
Breaker Size25 A

Voltage

Indoor - Outdoor S1-S2AC 208 / 230V
Indoor - Outdoor S2-S3DC ±24V
Indoor - Remote ControllerMHK1 DC 3V
PAR-31MAA DC 12V
PAC-YT53CRAU DC 12V

OPERATING RANGE

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	90° F (32° C) DB 73° F (23° C) WB	115° F (46° C) DB
	Minimum	67° F (19° C) DB 57° F (14° C) WB	14° F (-10° C) DB
Heating	Maximum	80° F (27° C) DB 67° F (19° C) WB	75° F (24° C) DB 65° F (18° C) WB
	Minimum	70° F (21° C) DB 60° F (16° C) WB	14° F (-10° C) DB 13° F (-11° C) WB

Indoor Unit

MCA1 A
Blower Motor (ECM)0.76 F.L.A.
Airflow
Cooling (Lo - Med - Hi - Powerful) 389 - 639 - 848 - 887 Dry CFM
350 - 576 - 763 - 798 Wet CFM
Heating (Lo - Med - Hi - Powerful) .445 - 639 - 848 - 887 Dry CFM

Sound Pressure Level

Cooling (Lo - Med - Hi - Powerful)32 - 42 - 49 - 51 dB(A)
Heating (Lo - Med - Hi - Powerful)34 - 42 - 49 - 50 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	46-1/16 / 1,170
D	11-5/8 / 295
H	14-3/8 / 365

Weight40 lbs. / 18 kg
External FinishMunsell No. 1.0Y 9.2 / 0.2
Field Drainpipe Size O.D.5/8" / 15.88 mm
Remote ControllerWireless

Outdoor Unit

CompressorDC Inverter-driven Rotary
MCA21 A
Fan Motor (ECM)0.93 F.L.A.
Sound Pressure Level
Cooling56 dB(A)
Heating57 dB(A)

DIMENSIONS	INCHES / MM
W	33-1/16 / 840
D	13 / 330
H	33-7/16 / 849

Weight141 lbs. / 64 kg
External FinishMunsell No. 3Y 7.8 / 1.1
Refrigerant TypeR410A
Refrigerant Pipe Size O.D.
Gas Side5/8" / 15.88 mm
Liquid Side3/8" / 9.53 mm
Max. Refrigerant Pipe Length.100' / 30 m
Max. Refrigerant Pipe Height Difference50' / 15 m
Connection MethodFlared

Notes:

A21 17W DIM. TITANIUM LED SERIES 4.0



PRO



- ⦿ Omnidirectional: 330° beam angle
- ⦿ Exceptional efficacy 97 LPW in Warm White
- ⦿ Suitable for use in totally enclosed fixtures
- ⦿ 40% more energy savings than CFL
- ⦿ Comfortable warm diffused light
- ⦿ Natural A-lamp shape fits all applications



lighting
facts
LED Product Partner

LM 79

LM 80

TM 21



17W REPLACES

100W
Inc.

80% Energy Savings

\$220 Savings
per lamp*



25,000 H



DIMMABLE



97
LPW
EFFICACY



WARRANTY



CRI (Ra)

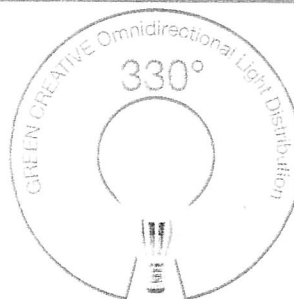


ENCLOSED**

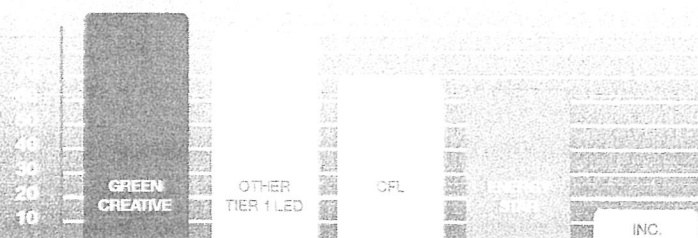
A21 PRODUCT FEATURES

Omnidirectional Lighting

This A21 meets the new ENERGY STAR V1.1 requirements for omnidirectional bulbs by providing 330° of evenly distributed light intensity. In the 135° to 180° zone, this lamp emits 65% more lumens than what is required by ENERGY STAR, providing a fuller light than other LED A-lamps.



Exceptional Efficacy



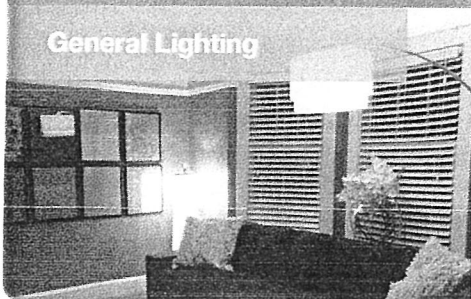
ENERGY STAR requires a minimum efficacy of 80%. This energy saving performance makes this lamp a smart retrofit choice for incandescent and CFL bulbs.

A21 17W DIM. TITANIUM LED SERIES 4.0



APPLICATIONS

General Lighting



Downlighting



Upfiling



SPECIFICATIONS

Model	17W TITANIUM 2700K	17W TITANIUM 3000K	17W TITANIUM 4000K
Type	A21	A21	A21
Base	E26	E26	E26
Power (W)	17	17	17
Voltage - Frequency	120V 60Hz	120V 60Hz	120V 60Hz
Color Temp. (ANSI)	Warm White 2700K	Warm White 3000K	Natural White 4000K
CRI (Ra) (typ.)	80	80	80
Typical lumens (lm)	1600	1650	1700
Efficacy (LPW)	94	97	100
Beam Angle	330°	330°	330°
Dimmable	Yes***	Yes***	Yes***
Power Factor	0.9	0.9	0.9
Rated Lifetime - L70 (hrs.)	25,000	25,000	25,000
Dia. x MOL	2.6"x4.96" (65x126mm)	2.6"x4.96" (65x126mm)	2.6"x4.96" (65x126mm)
Weight (lb. / g)	0.44lb. / 199g	0.44lb. / 199g	0.44lb. / 199g

***Dimmable with compatible dimmer switch. Not for use where directly exposed to weather or water.