

REVISIONS		DRAWING TITLE	
NO.	DATE	DESCRIPTION	PROJECT TITLE
1	9-12-13	DGAR PUBLIC WORKS REVIEW COMMENTS	SITE LAYOUT / UTILITY PLAN SHEET TENANT'S PROPOSED PLANS TSC WESTFIELD, LLC TRACTOR SUPPLY COMPANY WESTFIELD, HAMILTON COUNTY, INDIANA
2	10-3-13	DGAR CITY AND PUBLIC WORKS REVIEW COMMENTS	
3	11-15-13	DGAR REVISED WEST LOT LINE	
4	12-03-13	DGAR PUBLIC WORKS COMMENTS	
5	1-28-14	DGAR REVISED BOUNDARY REVISIONS	
	2-3-14	DGAR SUBMIT FOR PERMIT	

CDS ASSOCIATES, INC.
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11120 Kenwood Road Cincinnati, Ohio 45242-1818
 513.791.1700 513.791.1996

7000 Dixie Highway Florence, Kentucky 41042
 859.525.0544 859.525.0561



SILT FENCE PLACEMENT NOTES

1. THE RIGHT OF THE SILT FENCE SHALL NOT EXCEED THIRTY SIX INCHES.
2. A MINIMUM OF TWO (2) SILT FENCES SHALL BE INSTALLED AT THE POINT OF ENTRY TO THE CONSTRUCTION SITE.
3. STAKES FOR THE SILT FENCES SHALL BE PLACED AT 10' INTERVALS ALONG THE LINE OF THE SILT FENCE.
4. A MINIMUM OF TWO (2) SILT FENCES SHALL BE INSTALLED AT THE POINT OF ENTRY TO THE CONSTRUCTION SITE.
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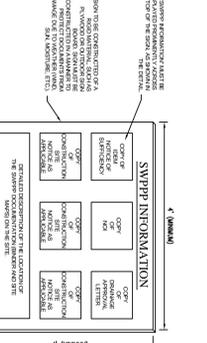
FILTER BARRIER PLACEMENT NOTES

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EROSION CONTROL LEGEND

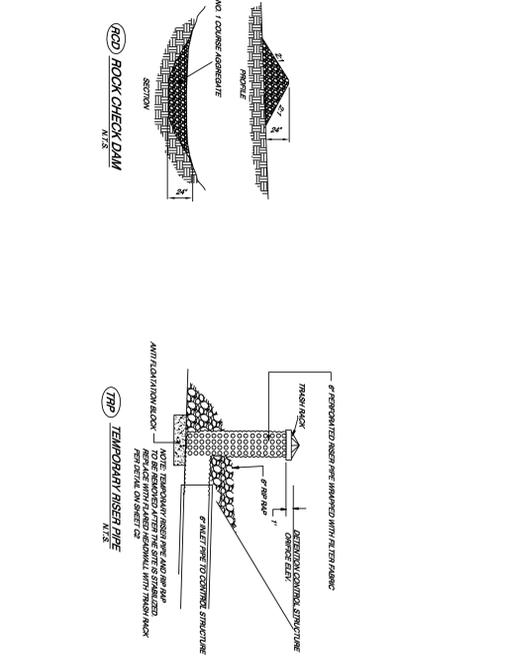
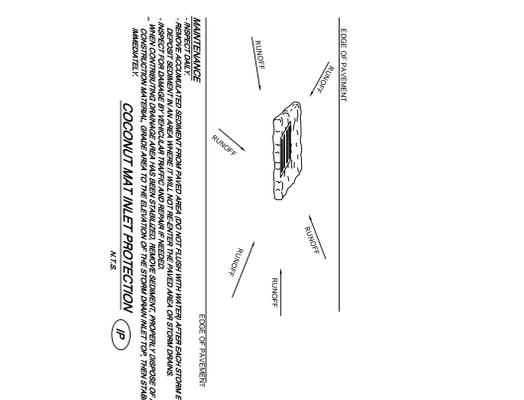
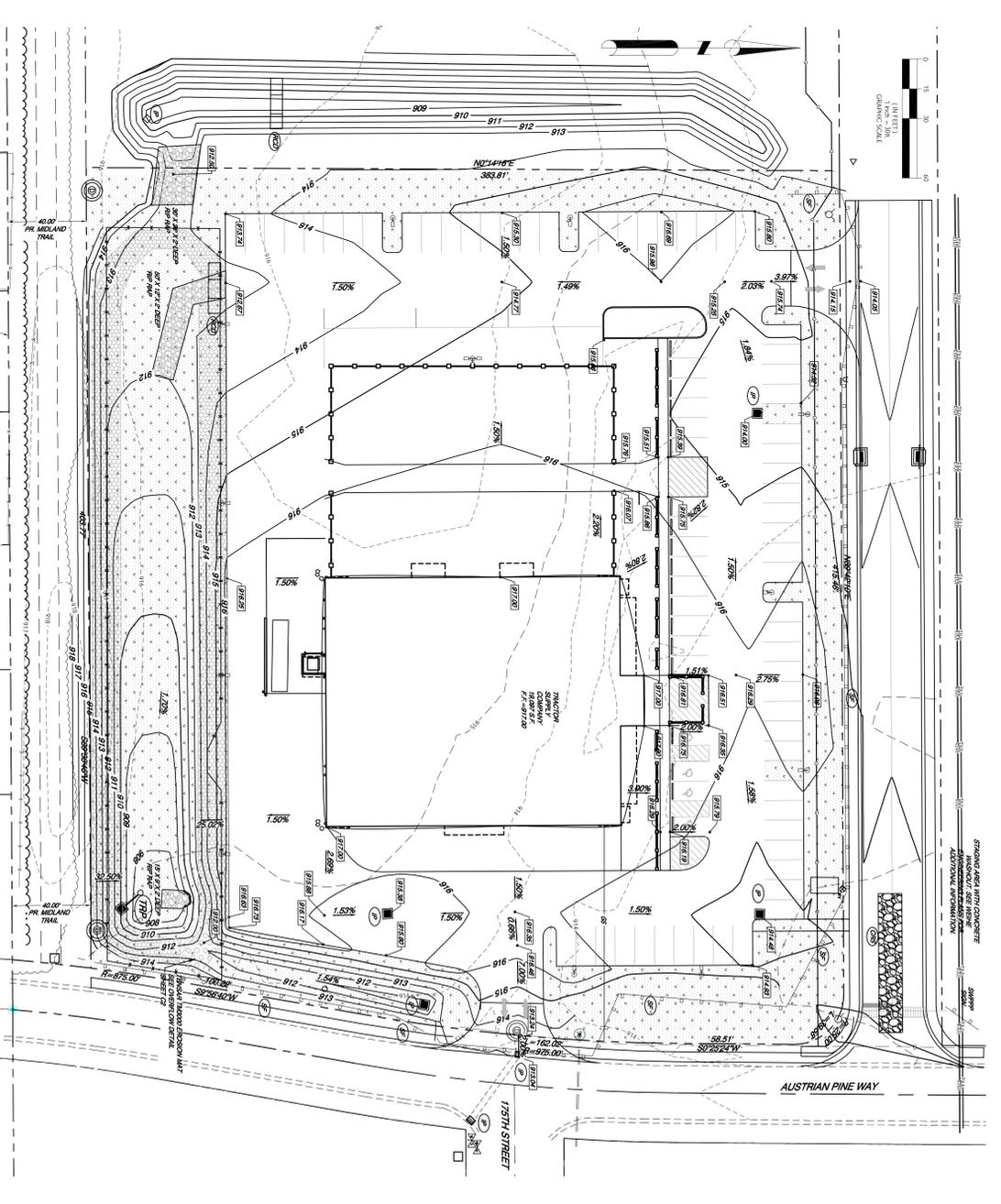
ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE
1	1.00' WIDE SILT FENCE	100	LINEAL FEET	\$4.50
2	2.00' WIDE SILT FENCE	50	LINEAL FEET	\$9.00
3	3.00' WIDE SILT FENCE	20	LINEAL FEET	\$36.00
4	4.00' WIDE SILT FENCE	10	LINEAL FEET	\$72.00
5	5.00' WIDE SILT FENCE	5	LINEAL FEET	\$180.00
6	6.00' WIDE SILT FENCE	2	LINEAL FEET	\$720.00
7	7.00' WIDE SILT FENCE	1	LINEAL FEET	\$1440.00
8	8.00' WIDE SILT FENCE	1	LINEAL FEET	\$2880.00
9	9.00' WIDE SILT FENCE	1	LINEAL FEET	\$5760.00
10	10.00' WIDE SILT FENCE	1	LINEAL FEET	\$11520.00

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1. SWPPP INFORMATION
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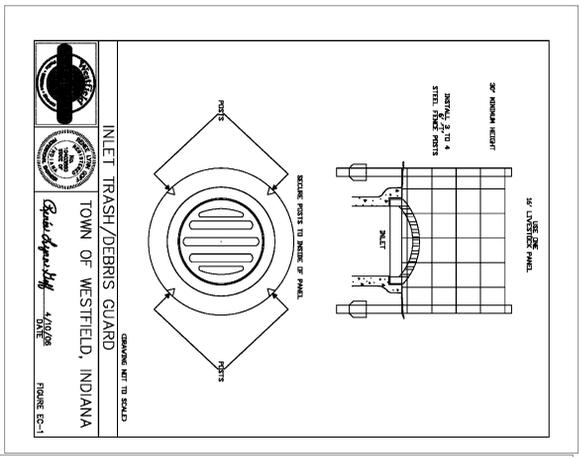
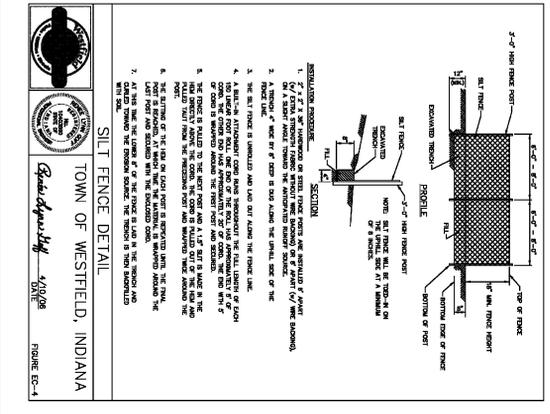
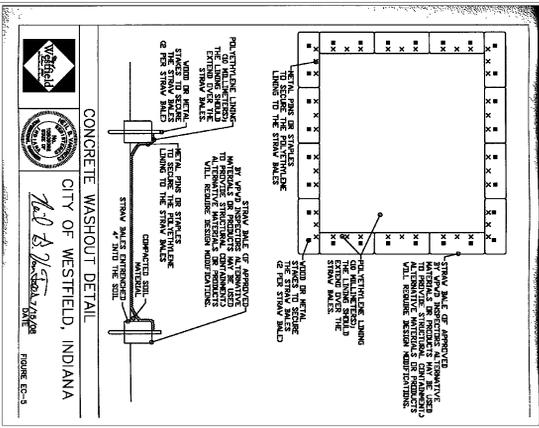
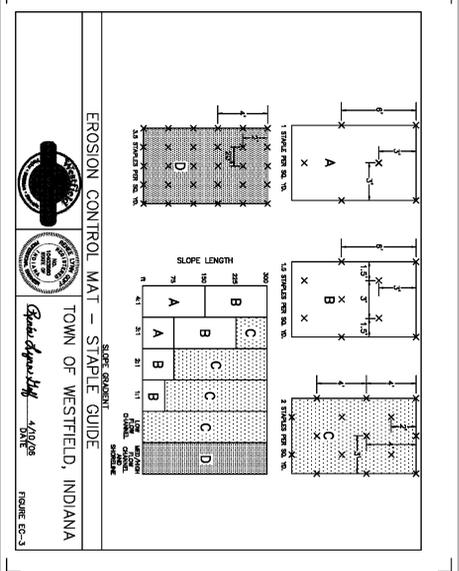
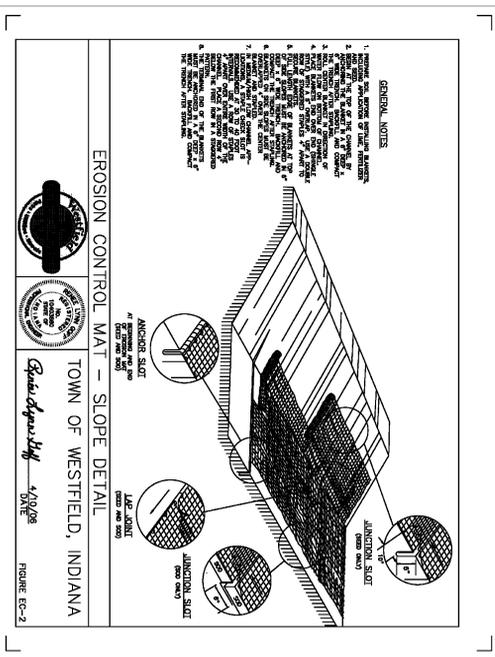
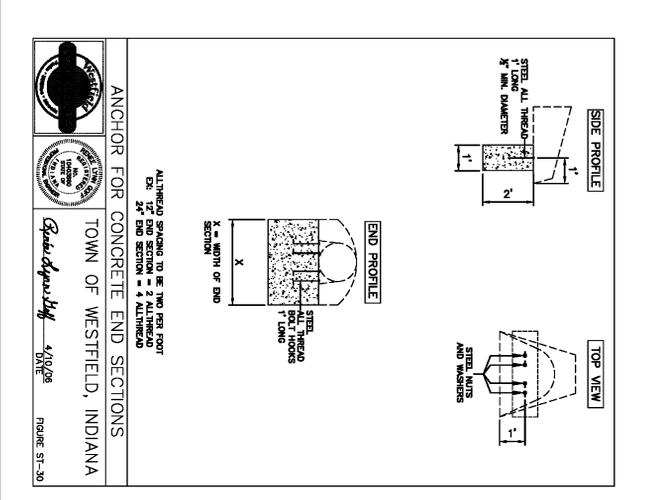
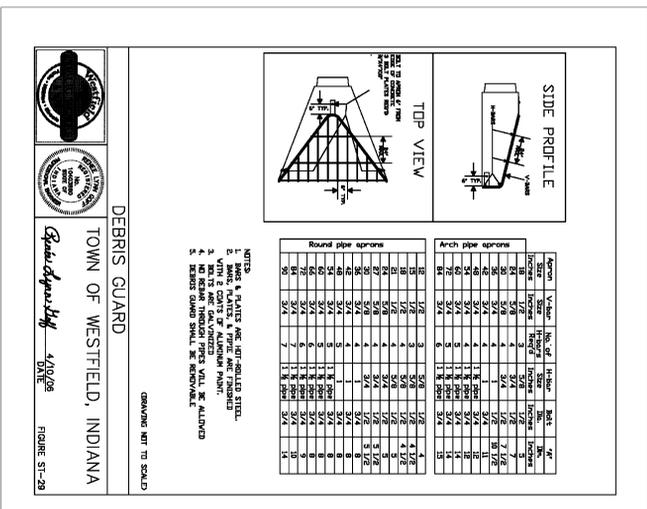
NOTE: SEE THE LOCAL AND COUNTY ENGINEERING DEPARTMENTS FOR THE LATEST EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL EROSION CONTROL MEASURES.

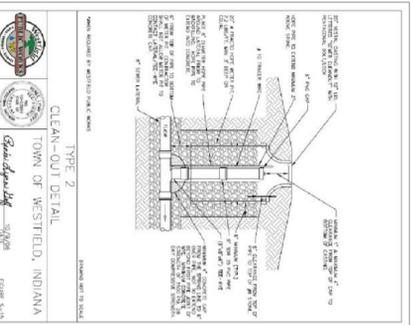
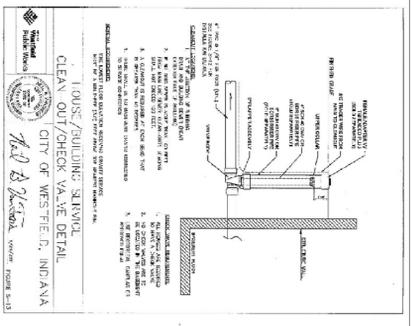
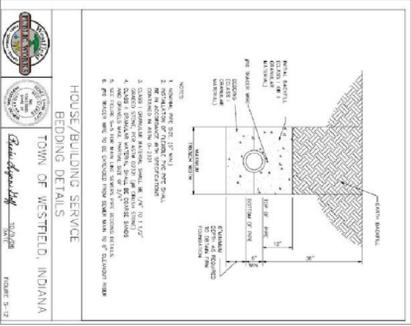
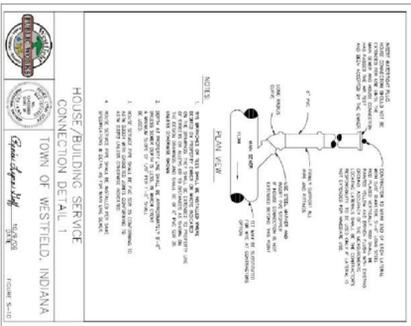
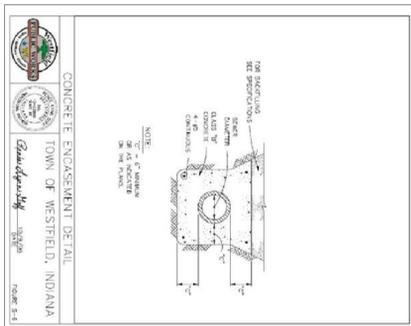


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2	10-3-13	DGAR	CITY AND PUBLIC WORKS REVIEW COMMENTS
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5	1-28-14	DGAR	REVISED BOUNDARY REVISIONS
	2-3-14	DGAR	SUBMIT FOR PERMIT

STORM WATER POLLUTION PLAN
 TENANT'S PROPOSED PLANS
 TSC WESTFIELD, LLC
 TRACTOR SUPPLY COMPANY
 WESTFIELD, HAMILTON COUNTY, INDIANA

CONSULTANTS: CDS ASSOCIATES, INC.
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 7000 Dixie Highway, Florence, Kentucky 41042
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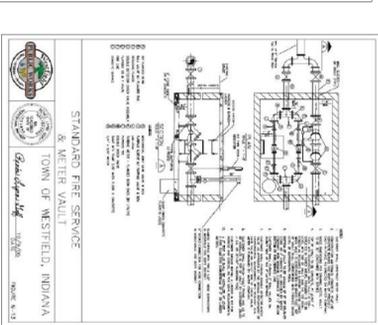
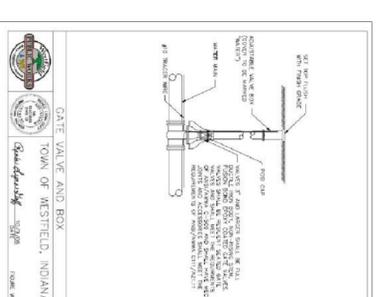
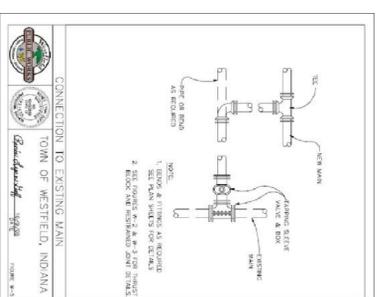
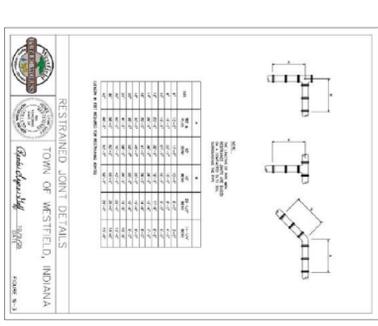
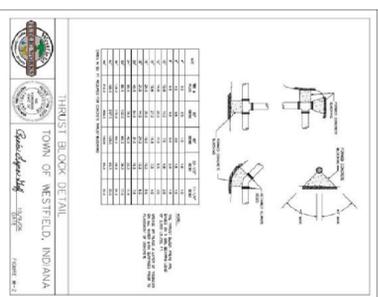
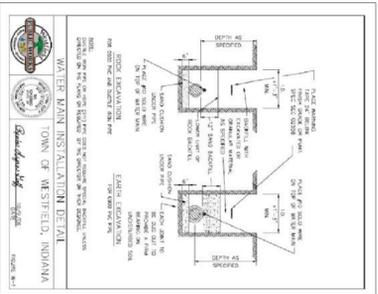
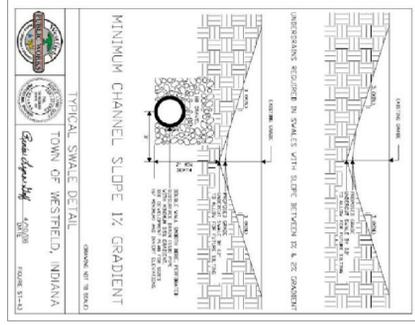
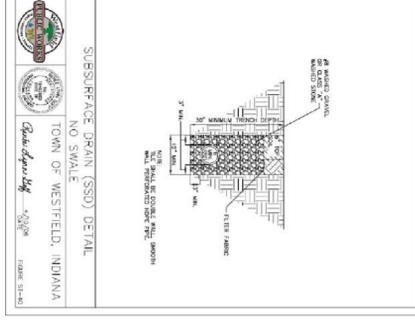
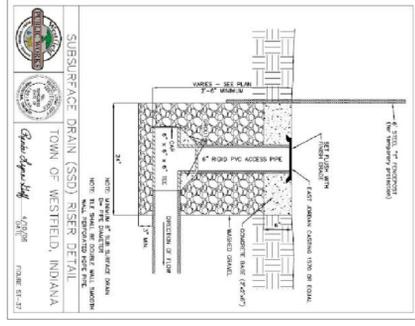


STONE STRUCTURE SIZING TABLE

STONE SIZE	MINIMUM WALL THICKNESS	MINIMUM WALL HEIGHT	MINIMUM WALL AREA	MINIMUM WALL PERIMETER
12" x 12" x 12"	12"	4'	144 sq ft	48'
12" x 12" x 18"	12"	4'	216 sq ft	48'
12" x 12" x 24"	12"	4'	288 sq ft	48'
12" x 18" x 24"	12"	4'	432 sq ft	48'
18" x 18" x 24"	12"	4'	648 sq ft	48'
18" x 18" x 36"	12"	4'	972 sq ft	48'
24" x 18" x 36"	12"	4'	1296 sq ft	48'
24" x 18" x 48"	12"	4'	1728 sq ft	48'
24" x 24" x 48"	12"	4'	2304 sq ft	48'
24" x 24" x 60"	12"	4'	2880 sq ft	48'
24" x 24" x 72"	12"	4'	3456 sq ft	48'
24" x 24" x 84"	12"	4'	4032 sq ft	48'
24" x 24" x 96"	12"	4'	4608 sq ft	48'
24" x 24" x 108"	12"	4'	5184 sq ft	48'
24" x 24" x 120"	12"	4'	5760 sq ft	48'
24" x 24" x 132"	12"	4'	6336 sq ft	48'
24" x 24" x 144"	12"	4'	6912 sq ft	48'
24" x 24" x 156"	12"	4'	7488 sq ft	48'
24" x 24" x 168"	12"	4'	8064 sq ft	48'
24" x 24" x 180"	12"	4'	8640 sq ft	48'
24" x 24" x 192"	12"	4'	9216 sq ft	48'
24" x 24" x 204"	12"	4'	9792 sq ft	48'
24" x 24" x 216"	12"	4'	10368 sq ft	48'
24" x 24" x 228"	12"	4'	10944 sq ft	48'
24" x 24" x 240"	12"	4'	11520 sq ft	48'
24" x 24" x 252"	12"	4'	12096 sq ft	48'
24" x 24" x 264"	12"	4'	12672 sq ft	48'
24" x 24" x 276"	12"	4'	13248 sq ft	48'
24" x 24" x 288"	12"	4'	13824 sq ft	48'
24" x 24" x 300"	12"	4'	14400 sq ft	48'
24" x 24" x 312"	12"	4'	14976 sq ft	48'
24" x 24" x 324"	12"	4'	15552 sq ft	48'
24" x 24" x 336"	12"	4'	16128 sq ft	48'
24" x 24" x 348"	12"	4'	16704 sq ft	48'
24" x 24" x 360"	12"	4'	17280 sq ft	48'

STRUCTURE DATA TABLE

NO.	DESCRIPTION	DATE	BY	REVISIONS
1	AS NOTED	05.31.13	JSH	
2	REVISIONS			
3	REVISIONS			
4	REVISIONS			
5	REVISIONS			



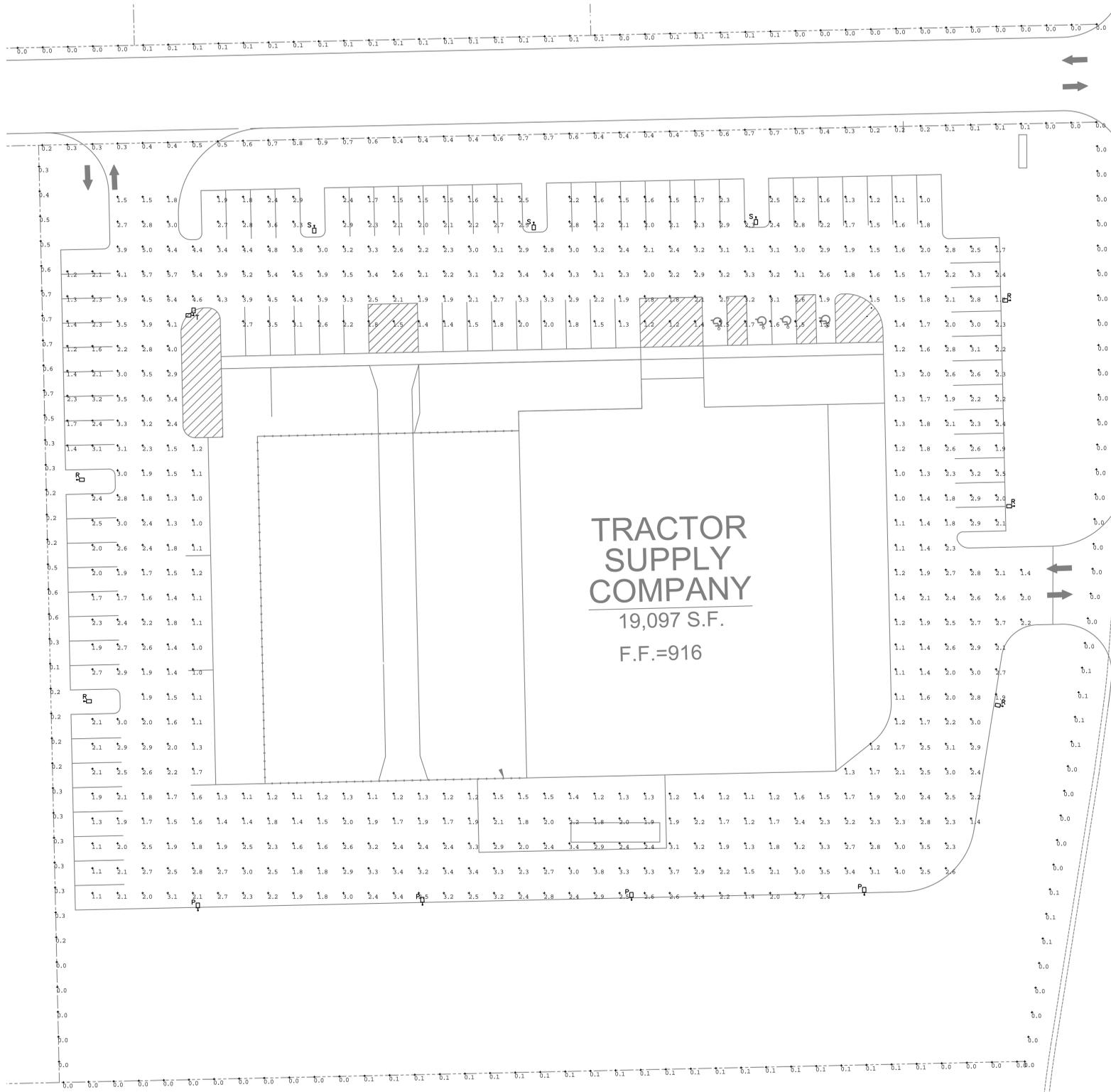
SHEET 9 OF 9 C9	AS NOTED 05.31.13 DRAWN BY EODS PROJECT NO. JSHU PROJECTION DATEFILE 2017205 KY	REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>9-12-13</td> <td>DGAR PUBLIC WORKS REVIEW COMMENTS</td> </tr> <tr> <td>2</td> <td>10-3-13</td> <td>DGAR CITY AND PUBLIC WORKS REVIEW COMMENTS</td> </tr> <tr> <td>3</td> <td>11-15-13</td> <td>DGAR REVISED WEST LOT LINE</td> </tr> <tr> <td>4</td> <td>12-03-13</td> <td>DGAR PUBLIC WORKS COMMENTS</td> </tr> <tr> <td>5</td> <td>1-28-14</td> <td>DGAR REVISED BOUNDARY REVISIONS</td> </tr> <tr> <td>6</td> <td>2-3-14</td> <td>DGAR SUBMIT FOR PERMIT</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	9-12-13	DGAR PUBLIC WORKS REVIEW COMMENTS	2	10-3-13	DGAR CITY AND PUBLIC WORKS REVIEW COMMENTS	3	11-15-13	DGAR REVISED WEST LOT LINE	4	12-03-13	DGAR PUBLIC WORKS COMMENTS	5	1-28-14	DGAR REVISED BOUNDARY REVISIONS	6	2-3-14	DGAR SUBMIT FOR PERMIT	DRAWING TITLE DETAILS PROJECT TITLE TENANT'S PROPOSED PLANS TSC WESTFIELD, LLC TRACTOR SUPPLY COMPANY WESTFIELD, HAMILTON COUNTY, INDIANA	SEAL CONSULTANTS	©2014 CDS ASSOCIATES, INC. CDS ASSOCIATES, INC. Knowledge • Expertise • Innovation www.cds-assoc.com 1120 Kenwood Road Cincinnati, Ohio 45242-1818 7000 Dixie Highway Florence, Kentucky 41042 (513) 791.1700 (513) 791.1996 (513) 791.0544 (513) 791.0561
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Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description
□	3	P	SINGLE	18743	0.920	BetaLED STR-LWY-4M-XX-10-E-UL-700-40K (700mA)
□	6	R	SINGLE	11731	0.920	BetaLED STR-LWY-4MB-XX-10-D-UL-700-43K (700mA)
□	3	S	SINGLE	17769	0.920	BetaLED STR-LWY-3M-XX-10-E-UL-700-40K (700mA)
□	1	T	2 @ 90 DEGREES	11731	0.920	BetaLED STR-LWY-4MB-XX-10-D-UL-700-43K (700mA)

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Non-Residential RW	Illuminance	Fc	0.21	0.9	0.0	N.A.	N.A.
Overall Lot	Illuminance	Fc	2.30	6.4	1.0	2.30	6.40
Residential RW	Illuminance	Fc	0.04	0.1	0.0	N.A.	N.A.

PHOTOMETRIC PLAN GENERAL NOTES

- THIS PHOTOMETRIC REPORT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA (IES FILES). THIS LABORATORY DATA IS TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRES MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS.
- THE ILLUMINATION LEVELS, MEASURED IN FOOTCANDLES, SHOWN ARE BASED ON THE SPECIFIED CRITERIA. ANY SUBSTITUTIONS/DEVIATIONS IN LUMINAIRES OR ALTERATIONS TO THE LAYOUT WILL AFFECT ILLUMINATION LEVELS SHOWN AND WILL NOT BE THE RESPONSIBILITY OF KLH ENGINEERS, PSC.
- FINAL ADJUSTMENTS TO AIMING ANGLE(S) OF LUMINAIRES MAY BE REQUIRED TO ELIMINATE LIGHT TRESPASS OR GLARE ONTO ADJACENT PROPERTIES OR ROADWAYS.
- FOOTCANDLE LEVELS SHOWN ARE CONSIDERED MAINTAINED.
- REFER TO THE LUMINAIRE SCHEDULE FOR ALL LUMINAIRE AND POLE INFORMATION.
- CONTRIBUTIONS FROM ADJACENT STREET LIGHTING, ADJACENT PROPERTIES AND BUILDING OR POLE MOUNTED LUMINAIRES, NOT WITHIN THIS PROJECT, ARE NOT REFLECTED IN THIS PHOTOMETRIC REPORT.
- THIS PHOTOMETRIC REPORT DOES NOT ACCOUNT FOR TOPOGRAPHY CHANGES UNLESS OTHERWISE INDICATED.



1 ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"
0 8' 16' 24'



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Channahon, IL 61118
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KLH ENGINEERS, PSC
MECHANICAL/ELECTRICAL ENGINEERS
www.klh-engineers.com

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859-442-8080
104 BROWN STREET
DAYTON, OHIO 45402
937-228-8700
937-220-9702 FAX
TWO MIRANOVA PLACE, ST. 280
COLUMBUS, OHIO 43215
614-228-2180
614-228-2183 FAX

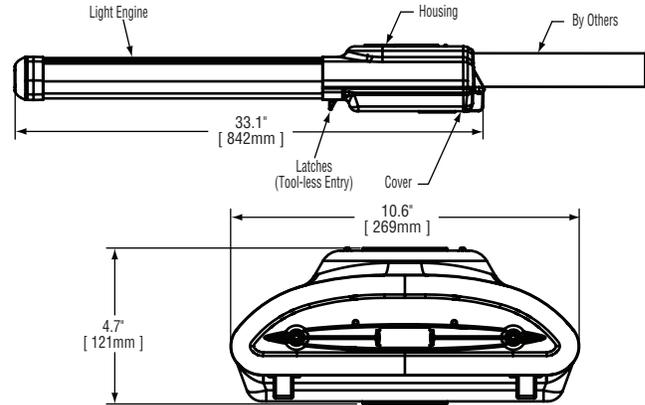
CONSULTANTS
SEAL

DRAWING TITLE
ELECTRICAL SITE PHOTOMETRICS PLAN
PROJECT TITLE
TENANT'S PROPOSED PLANS
TSC WESTFIELD, LLC
TRACTOR SUPPLY COMPANY
WESTFIELD, HAMILTON COUNTY, INDIANA

NO.	DATE	BY	DESCRIPTION

SCALE	DATE
AS NOTED	05.31.13
DRAWN BY	PROJECT MGR
MST/MV/MAS	MST
PROJECT NO.	FLAT FILE
2012705	

DRAWING No.
ES-1
SHEET ____ OF ____



Notes:

Product	Family	Optic	Mounting	# of LEDs (x 10)	LED Series	Voltage	Color Options	Drive Current	Factory-Installed Options
STR	LWY	4MB¹	HT²	10 11 12	D	UL Universal 120–277V UH Universal 347–480V	SV Silver ³ BK Black ³ BZ Bronze ³ PB Platinum Bronze ³ WH White ³	700 700mA (Standard) 525 525mA 350 350mA	43K 4300K Color Temperature ⁴ DIM 0–10V Dimming ^{5,6,7} F Fuse ^{8,9} HL Hi/Low (175/350/525, dual circuit input) ^{10,11} N No Quick Disconnect Harness or Leveling Bubble ¹² PD Power Door ¹³ R NEMA Photocell Receptacle ^{8,14} SC Door Safety Tether ¹⁵ UTL Utility ¹⁶

Footnotes

- IESNA Type IV Medium distribution with backlight control
- Horizontal tenon mount
- Light engine portion of extrusion is not painted and will remain natural aluminum regardless of color selection
- Color temperature per fixture; 6000K standard; minimum 70 CRI
- Control by others
- Refer to dimming spec sheet for availability and additional information
- Can't exceed specified drive current. Consult factory if exceeding drive current is necessary.
- Not available with all multi-level options. Refer to multi-level spec sheet for availability and additional information
- When code dictates fusing use time delay fuse
- Refer to multi level spec sheet for availability and additional information
- Sensor not included
- Standard product features unless N option is specified
- All connections between door and fixture are shipped unconnected from the factory; door release spring included to open door automatically when the latches are released
- Photocell by others
- Stainless steel aircraft cable
- Includes exterior wattage label that reflects watts for the drive current selected. The ability to exceed the selected drive current will be disabled.

LED PERFORMANCE SPECS

# of LEDs	Initial Delivered Lumens – Type IV Medium w/ Backlight Control @ 6000K	Rating**			Initial Delivered Lumens – Type IV Medium w/ Backlight Control @ 4300K	Rating**			System Watts 120–480V	Total Current @ 120V	Total Current @ 240V	Total Current @ 277V	Total Current @ 347V	Total Current @ 480V	L ₇₀ Hours* @ 25° C (77° F)	50K Hours Lumen Maintenance Factor* @ 15° C (59° F)
		B	U	G		B	U	G								
350mA Fixture Operating at 25° C (77° F)																
100	7,273 (10)	1	2	2	6,703 (10)	1	2	2	111	0.97	0.52	0.46	0.34	0.26	> 150,000	94%
110	7,953 (11)	1	2	2	7,330 (11)	1	2	2	122	1.08	0.58	0.51	0.37	0.28	> 150,000	
120	8,614 (12)	1	3	2	7,939 (12)	1	2	2	133	1.17	0.62	0.55	0.39	0.30	> 150,000	
525mA Fixture Operating at 25° C (77° F)																
100	10,183 (10)	1	3	2	9,385 (10)	1	3	2	163	1.42	0.74	0.65	0.50	0.37	139,000	93%
110	11,135 (11)	1	3	2	10,262 (11)	1	3	2	178	1.58	0.83	0.71	0.54	0.40	137,000	
120	12,060 (12)	1	3	2	11,115 (12)	1	3	2	195	1.70	0.89	0.76	0.58	0.43	133,000	
700mA (Standard) Fixture Operating at 25° C (77° F)																
100	12,728 (10)	1	3	2	11,731 (10)	1	3	2	228	1.96	1.02	0.86	0.67	0.49	116,000	91%
110	13,918 (11)	1	3	2	12,828 (11)	1	3	2	250	2.16	1.12	0.94	0.73	0.54	113,000	
120	15,075 (12)	1	3	3	13,894 (12)	1	3	2	272	2.31	1.26	1.01	0.79	0.58	108,000	

* For recommended lumen maintenance factor data see TD-13

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf

NOTE: All data subject to change without notice.

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Meets Buy American requirements within the ARRA.



General Description

Fixture housing is all aluminum construction. Standard fixture utilizes terminal block for power input suitable for #2-#14 AWG wire and operates at 700mA. Drive current is field switchable. Fixture is designed to mount on 1.25" (32mm) IP (1.66" [42mm] O.D.) and/or 2" (51mm) IP (2.375" [60mm] O.D.) horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° to allow for fixture leveling (includes two axis T-level to aid in this process). Fixture carries a limited five year warranty.

Electrical

Modular design accommodates varied lighting output from high power, white, 6000K (+/- 500K per full fixture), minimum 70 CRI, long life LED sources. Optional 4300K (+/- 300K per full fixture) also available. 120-277V 50/60 Hz, Class 1 LED drivers are standard. 347-480V 50/60 Hz option is available. LED drivers have power factor >90% and THD <20% at full load. Quick disconnect harness suitable for mate and break under load provided on power feed to driver for ease of maintenance. Units provided with integral 10kV surge suppression protection standard. Surge protection tested in accordance with IEEE/ANSI C62.41.2.

Finish

Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable silver powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Bronze, black, white and platinum bronze powder topcoats are also available. The finish is covered by our 10 year limited warranty.

Fixture and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117.

Testing & Compliance

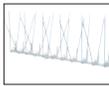
UL listed in the U.S. and Canada for wet locations. Consult factory for CE Certified products. Meets CALTrans 611 Vibration Testing and GR-63-CORE Section 4.4.1/5.4.2 Earthquake Zone 4. Certified ANSI C136.31-2001 bridge and overpass vibration standards. Dark Sky Friendly. IDA Approved. RoHS Compliant.



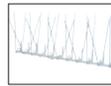
Patents

U.S. and international patents granted and pending. BetaLED is a division of Ruud Lighting, Inc. For a listing of Ruud Lighting, Inc. patents, visit www.uspto.gov.

Field-Installed Accessories

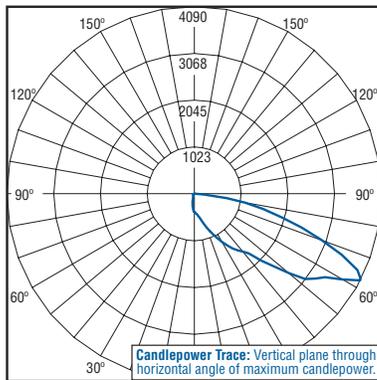


Bird Spikes for Light Engine
XA-BRDSPK120



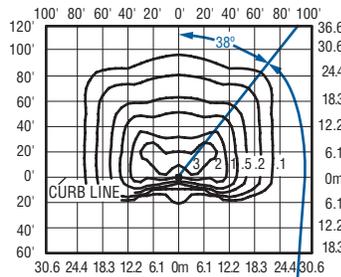
Bird Spikes Kit for Housing
XA-BRDSPKHSG

Photometrics



Candlepower Trace: Vertical plane through horizontal angle of maximum candlepower.

Independent Testing Laboratories certified test. Report No. ITL66639. Candlepower trace of 4300K, 40 LED LEDway Streetlight luminaire with IESNA Type IV Medium distribution w/ backlight control. Luminaire with 4,926 initial delivered lumens operating at 700mA. All published luminaire photometric testing performed to IESNA LM-79-08 standards.



Position of vertical plane of maximum candlepower.

Isofootcandle plot of 6000K, 120 LED LEDway Streetlight luminaire with IESNA Type IV Medium distribution w/ backlight control mounted at 25' A.F.G. Luminaire with 15,075 initial delivered lumens operating at 700mA. Initial FC at grade.

LEDway® EPA & Weight Calculations

Approximate Weight 120-480V¹	
100-120 LED fixture	24.0 lbs. (10.9kg)
EPA	
Horizontal Tenon Mount	
1 fixture	0.820
EPA	
Round External Mount / Square Internal Mount Horizontal Tenons with Fixture(s)	
PT-1H/PD-1H4	Single 1.040
PT-2H(90)/PD-2H4(90)	90° Twin 1.379
PT-2H(180)/PD-2H4(180)	180° Twin 1.860
PT-3H(90)/PD-3H4(90)	90° Triple 2.044
PT-3H(120)	120° Triple 1.824
PT-4H(90)/PD-4H4(90)	90° Quad 2.448
1. Add 5 lbs. (2.3kg) for transformer in 347-480V fixtures when multi-level options are selected.	

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