

Checking - Commerce Weimer Bearing Site Plan Review

2,220.00

Village of



Germantown

Village of Germantown
Clerk Treasurer
N112W17001 MEQUON ROAD
Germantown, WI 53022
(262)250-4700
Welcome

09/08/2025 02:28PM PRAVINA P
000973-0023
Payment effective date 09/05/2025

MISCELLANEOUS

PLAN COMMISSION REVIEW

FEES (GENPLN)

2025 GENPLN

1 @ \$2220.00

\$2,220.00

\$2,220.00

Subtotal

\$2,220.00

Total

\$2,220.00

CHECK

\$2,220.00

Check Number 31300

Change due

\$0.00

Thank you for your payment

CUSTOMER COPY



September 8, 2025

Village of Germantown
N112 W17001 Mequon Road
P.O. Box 337
Germantown, WI 53022-0337

RE: Statement of Design Intent

Weimer Bearing has grown from a regional supplier in the distribution of power transmission, bearings and electrical-mechanical components, into a multi-location hybrid manufacturer and distributor. They have expanded into metal fabrication and machining, electrical and industrial controls, conveyor belt fabrication and installation, custom rubber products, fastener manufacturing and fluid power supply. They are a premier source for industrial solutions.

Through acquisition and organic growth, they have added multiple divisions that make up their Weimer family of brands. The proposed project is a 45,000 sf addition to their existing 62,637 sf facility and would accommodate their ever-growing storage and manufacturing needs. The existing building is built of load bearing masonry walls and steel girders and joists. Aesthetically the existing building is extremely well detailed with the use of split face and smooth CMU, pilasters, stone sills, cornices, and meaningful cast stone medallions.

The design intent is to continue the aesthetic of the original building and the recent addition. The majority of the existing precast wall panels will be reused in this addition project. Where new panels are needed they will again be insulated precast concrete panels formed with a split-faced block liner. Many of the same decorative elements such as sills below the windows, smooth horizontal reveals, and white medallions will be used. The goal is to match the existing colors as closely as possible. Like the existing building, we will be including the same style windows and 4" pilasters along the main elevation.

The existing site is 9.27 acres of which Weimer Bearing currently only uses about 4.25 acres. The balance of the property is open green space that has the potential for future additions. Sixty new parking stalls are proposed for this project as this addition will move the primary entrance for a majority of the employees to a new entrance adjacent to the new parking area. Site lighting at the parking lot and building will be accomplished by matching new fixtures with the existing LED fixtures, and all existing landscaping will remain. New planting beds will match the existing beds along the South side of the building. These plantings will be a nice addition to the existing tree line the Owner has established along the entire West and South sides of the property.

PROPOSED ADDITION:

Weimer Bearing & Transmission, Inc.

W112N3131 Mequon Road
Village of Germantown, Washington County

AMERICAN
ARCHITECTURAL GROUP, INC.



3350 SOUTH RIVER ROAD
WEST BEND, WI 53095-7884
(262) 334-3811 FAX: (262) 334-4990

AMERICAN
CONSTRUCTION SERVICES, INC.



3350 SOUTH RIVER ROAD
WEST BEND, WI 53095-7884
(262) 334-3811 FAX: (262) 334-4990



LOCATION MAP

BUILDING DATA

CONSTRUCTION CLASSIFICATION:
IB

OCCUPANCY GROUP:
EXISTING: (B) BUSINESS, (S-2) LOW-HAZARD STORAGE, (F-2) LOW-HAZARD FACTORY, (U) UTILITY AND MISCELLANEOUS.
ADDITION: (S-2) LOW-HAZARD STORAGE AND (F-2) LOW-HAZARD FACTORY.

NUMBER OF STORIES:
EXISTING: 2
ADDITION: 1

BUILDING GROSS AREA (SQ. FT.):
EXISTING: 62,637
ADDITION: 45,000
TOTAL: 107,637

FIRE ALARM:
COMPLETE

FIRE SUPPRESSION:
COMPLETE

MONITORING TYPE:
CENTRAL STATION

NFPA STANDARD USED:
NFPA 13

PROJECT TEAM

OWNER CONTACT: FRANK STANGL
WEIMER BEARING & TRANSMISSION, INC.
W113 N3131 MEQUON ROAD
GERMANTOWN, WI 53022
PH: (262) 781-1992
EMAIL: fstanj@weimbearing.com

CIVIL ENGINEER: JACOB ROSBECK, P.E.
PARISH SURVEYING & ENGINEERING, INC.
122 WISCONSIN STREET
WEST BEND, WI 53095
PH: (262) 346-7800
EMAIL: jrosbeck@parishse.com

ARCHITECT: ADAM HERTEL
AMERICAN ARCHITECTURAL GROUP, INC.
3350 SOUTH RIVER ROAD
WEST BEND, WI 53095
PH: (262) 334-3811
EMAIL: adam@teamaag.net

STRUCTURAL: MARY PIONTKOWSKI, PE, SE
HARWOOD ENGINEERING CONSULTANTS
255 NORTH 21st STREET
MILWAUKEE, WI 53233
PH: (262) 475-5554
EMAIL: mary.piontkowski@hecd.com

SHEET INDEX

SHEET	DESCRIPTION	SITE PLAN REVIEW	
GENERAL			
G-101	SHEET INDEX, BUILDING DATA, PROJECT TEAM AND LOCATION MAP	09 / 08 / 2025	
CIVIL			
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C1.02	PROPOSED SITE PLAN	09 / 08 / 2025	
C1.03	EROSION CONTROL PLAN	09 / 08 / 2025	
C1.04	GRADING PLAN	09 / 08 / 2025	
C1.05	UTILITY PLAN	09 / 08 / 2025	
C1.06	LANDSCAPE PLAN	09 / 08 / 2025	
C1.07	LIGHTING PLAN	09 / 08 / 2025	
C2.01	CONSTRUCTION NOTES	09 / 08 / 2025	
C2.02	SITE DETAILS	09 / 08 / 2025	
C2.03	EROSION CONTROL DETAILS	09 / 08 / 2025	
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ARCHITECTURAL			
A-101	FLOOR PLAN	09 / 08 / 2025	
A-201	EXTERIOR ELEVATIONS	09 / 08 / 2025	

Stamp:

Issue Date:
09 / 08 / 2025

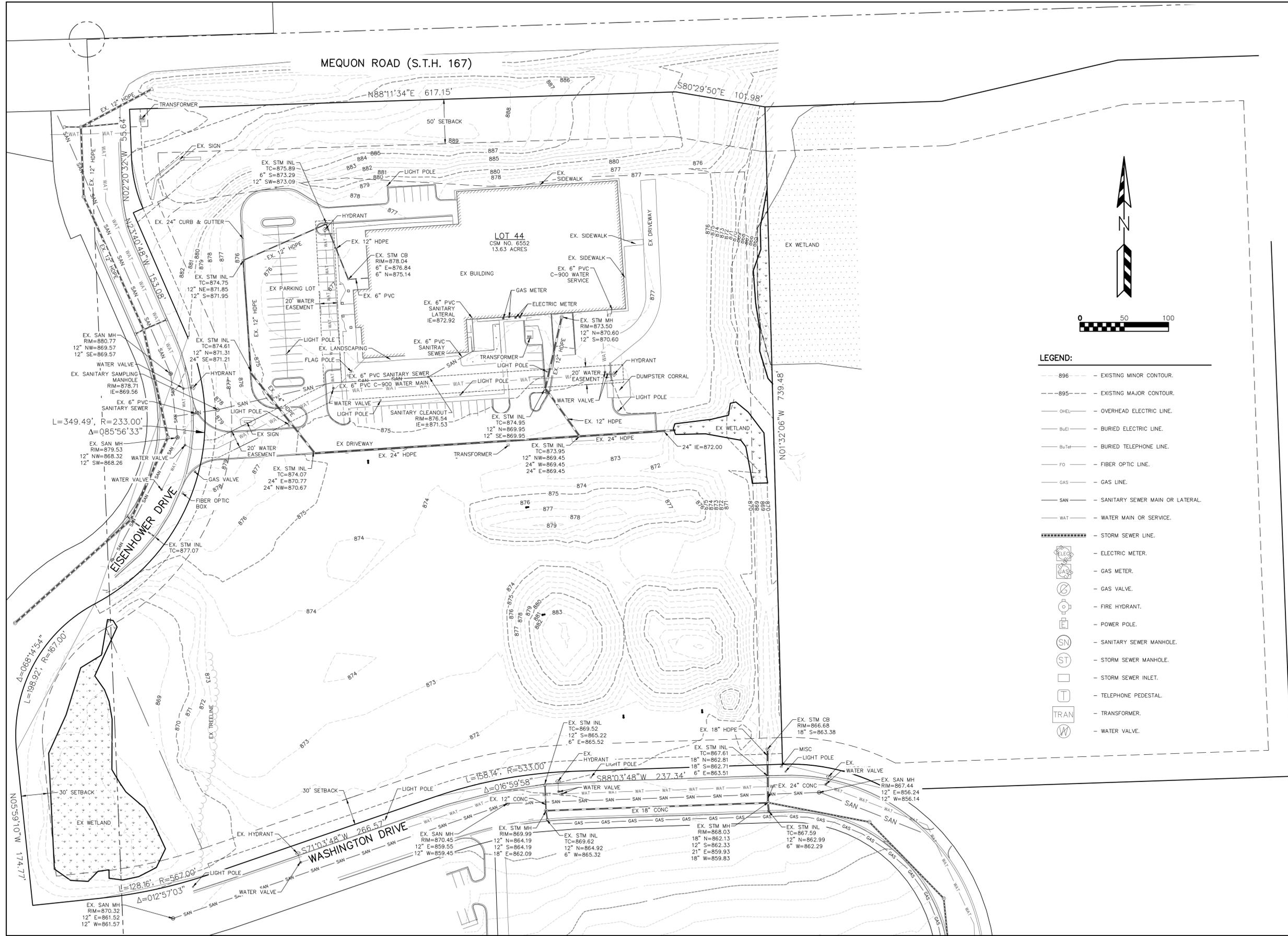
Revision:

Project Number:
25021

Sheet Title:
SHEET INDEX,
BUILDING DATA,
PROJECT TEAM AND
LOCATION MAP

Sheet Number:

G-101



LEGEND:

- 896--- EXISTING MINOR CONTOUR.
- 895--- EXISTING MAJOR CONTOUR.
- OHEL--- OVERHEAD ELECTRIC LINE.
- BUEI--- BURIED ELECTRIC LINE.
- BUTel--- BURIED TELEPHONE LINE.
- FO--- FIBER OPTIC LINE.
- GAS--- GAS LINE.
- SAN--- SANITARY SEWER MAIN OR LATERAL.
- WAT--- WATER MAIN OR SERVICE.
- STORM SEWER LINE.
- ELECTRIC METER.
- GAS METER.
- GAS VALVE.
- FIRE HYDRANT.
- POWER POLE.
- SANITARY SEWER MANHOLE.
- STORM SEWER MANHOLE.
- STORM SEWER INLET.
- TELEPHONE PEDESTAL.
- TRANSFORMER.
- WATER VALVE.

REVISIONS:	
NO.	DESCRIPTION

PSE
 PARISH SURVEY & ENGINEERING
 122 Wisconsin Street, West Bend, WI 53095
 262.346.7800 www.parishse.com

PROJECT TITLE:
WEIMER BEARING & TRANSMISSION, INC
N112 W13131 MEQUON RD
GERMANTOWN, WI 53022

PLAN TITLE:
EXISTING
CONDITIONS
PLAN

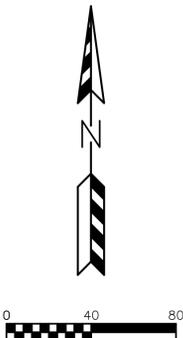
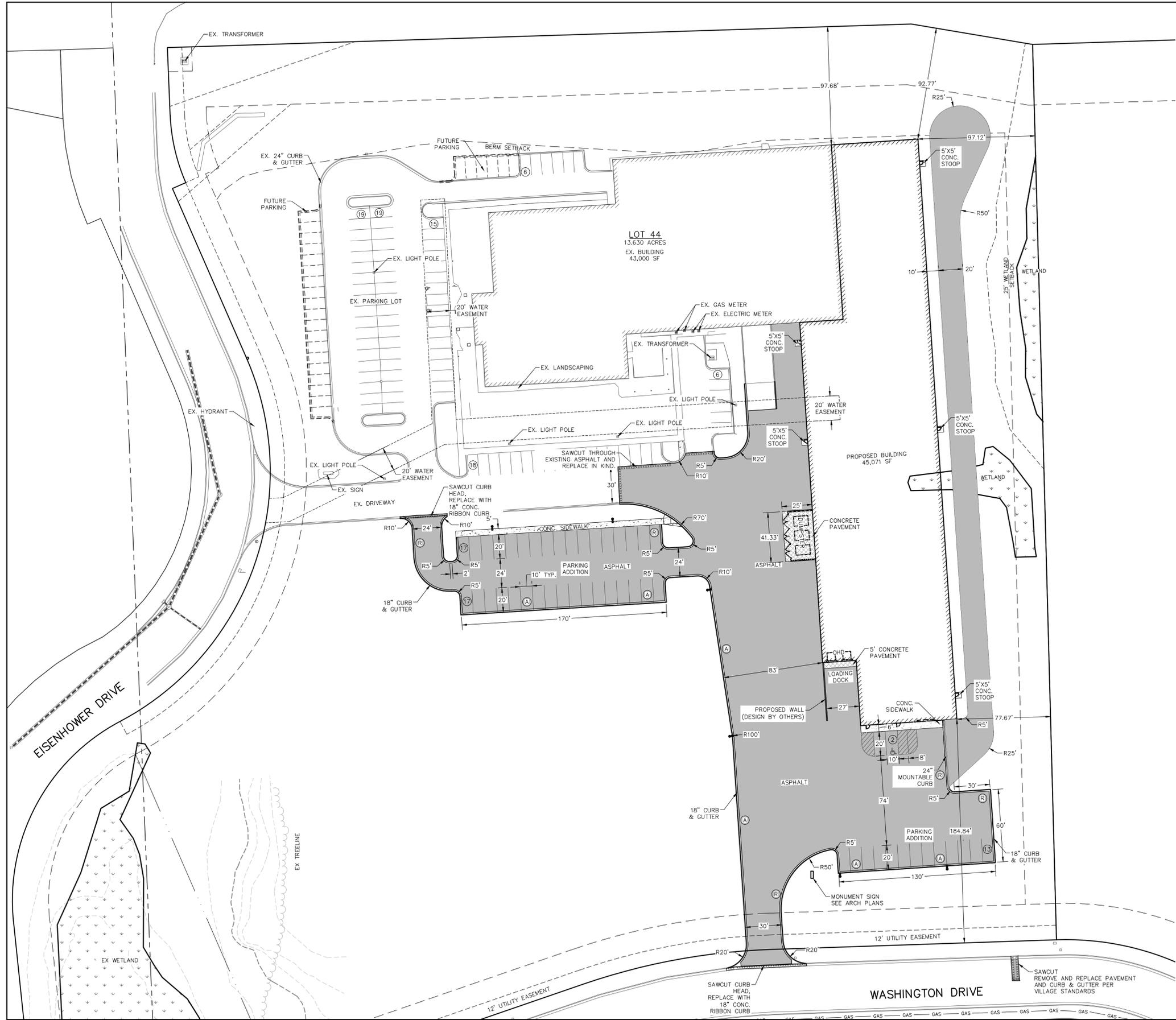
DRAWN BY:
KJP
 DESIGNED BY:
KJP
 CHECKED BY:
KJP

PLAN DATE:
9/8/2025

PROJECT NO:
IAM-25-14

BID SET

SHEET NO:
C1.01



- LEGEND:**
- Ⓟ - PARKING STALLS IN A ROW
 - Ⓡ - REJECT CURB
 - Ⓐ - ACCEPT CURB

SITE INFORMATION BLOCK		
Site Address:	N112 W13131 MEQUON RD	
Legal Description:	Lot 44 of CSM No. 5975	
Site Acreage	13.63 Acres	
Current Zoning:	M-1 Limited Industrial	
Building & Parking Standards		
	Building	
Front	30 feet	
Side	10 feet	
Rear	25 feet	
Max Height	45 feet	
Impervious Ratio	80%	
Proposed Site Areas		
Description	Area (sf)	Percentage
Buildings/Patios	87,923	14.81
Asphalt/Concrete	130,879	22.04
Total Impervious Area	218,802	36.84
Lawn	375,060	63.16
Total	593,862	100.00

- SITE PLAN NOTES:**
- DIMENSIONS ARE TO FACE OF CURB AND FACE OF BUILDING UNLESS OTHERWISE NOTED.
 - WHERE CURB ENDS AT CONNECTIONS SMOOTHLY TRANSITION FROM FULL CURB HEIGHT TO ZERO CURB HEIGHT WITHIN A 3' LENGTH.
 - ALL STRIPING AND SIGNAGE SHALL COMPLY WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

PAVING LEGEND

	ASPHALT PAVEMENT
	8" CRUSHED AGGREGATE BASE COURSE
	2 1/4" ASPHALTIC BINDER 3 LT 58-28 S
	1 3/4" ASPHALTIC SURFACE 4 LT 58-28 S
	CONCRETE SIDEWALK
	6" CRUSHED AGGREGATE BASE COURSE
	4" CONCRETE
	CONCRETE PAVEMENT
	6" CRUSHED AGGREGATE BASE COURSE
	7" 4,000 PSI AIR ENTRAINED CONCRETE

REVISIONS:	
NO.	DESCRIPTION

PSE
 PARISH SURVEY & ENGINEERING
 122 Wisconsin Street, West Bend, WI 53095
 262.346.7800 www.parishse.com

PROJECT TITLE:
WEIMER BEARING & TRANSMISSION, INC
N112 W13131 MEQUON RD
GERMANTOWN, WI 53022

PLAN TITLE:
PROPOSED SITE PLAN

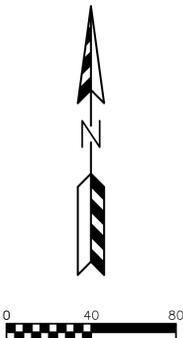
DRAWN BY:
JDR
 DESIGNED BY:
JDR
 CHECKED BY:
KJP

PLAN DATE:
9/8/2025

PROJECT NO:
VAM-25-14

BID SET

SHEET NO:
C1.02



REVISIONS:	
NO.	DESCRIPTION

PSE
 PARISH SURVEY & ENGINEERING
 122 Wisconsin Street, West Bend, WI 53095
 262.346.7800 www.parishse.com

PROJECT TITLE:
WEIMER BEARING & TRANSMISSION, INC
N112 W13131 MEQUON RD
GERMANTOWN, WI 53022

PLAN TITLE:
GRADING PLAN

DRAWN BY:
DLC
 DESIGNED BY:
JDR
 CHECKED BY:
KJP

PLAN DATE:
9/8/2025

PROJECT NO:
VAM-25-14

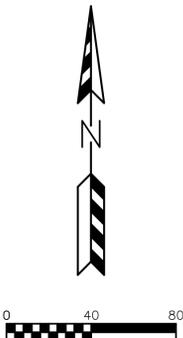
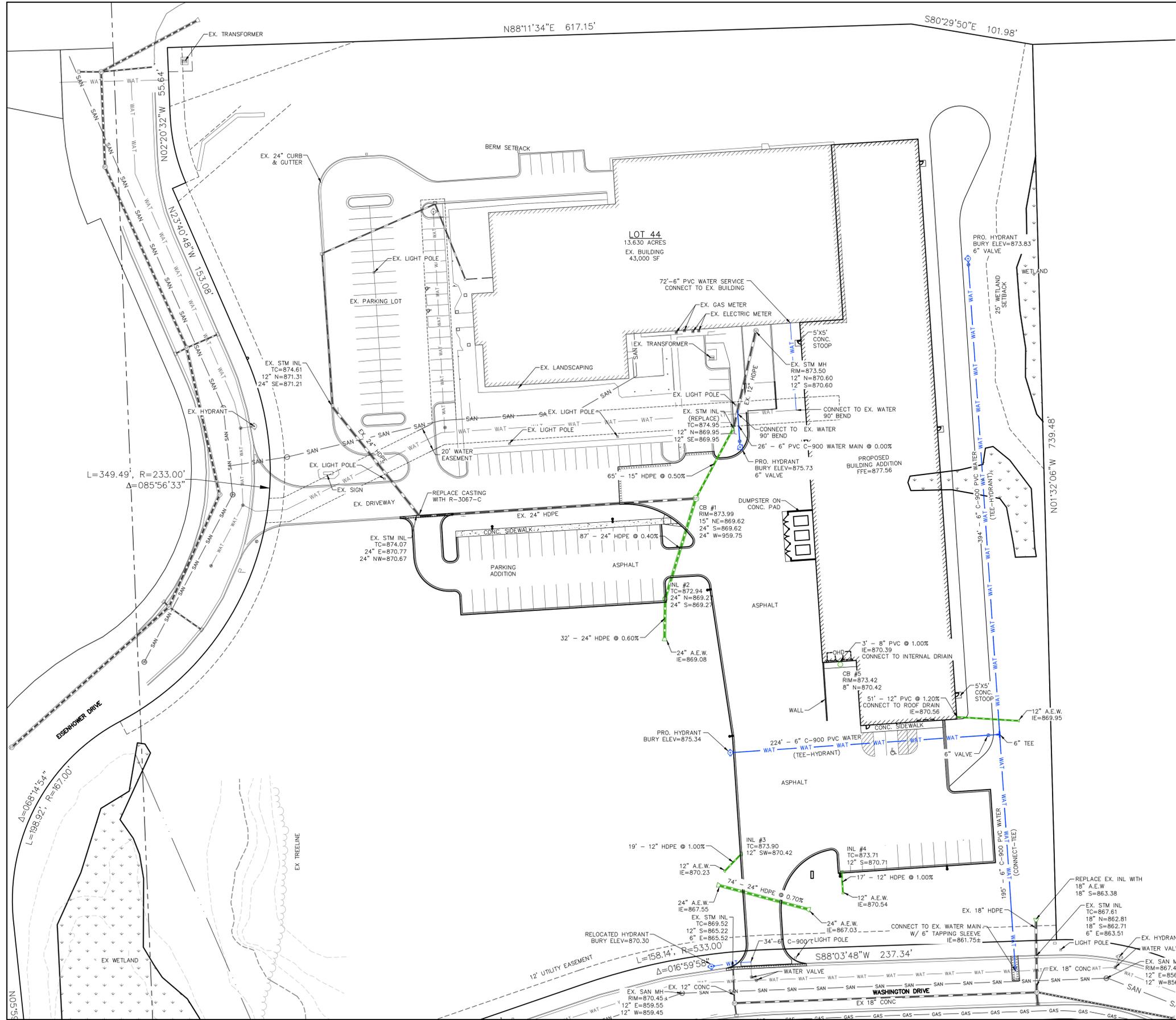
BID SET

SHEET NO:
C1.04

DIGGERSHOTLINE
 Dial 811 or (800)242-8511
 www.DiggersHotline.com

LEGEND:

---	936	EXISTING MINOR CONTOUR.
---	935	EXISTING MAJOR CONTOUR.
---	936	PROPOSED MINOR CONTOUR.
---	935	PROPOSED MAJOR CONTOUR.
-	EX 934.23	EXISTING SPOT ELEVATION.
-	934.23	PROPOSED CURB FLANGE ELEVATION.
-	MATCH 934.23	PROPOSED MATCHING ELEVATION
-	SW 934.23	PROPOSED SIDEWALK ELEVATION.
-	EP 934.23	PROPOSED EDGE OF PAVEMENT ELEVATION.
-	EXP 934.23	PROPOSED BUILDING EXPOSURE ELEVATION.
-	FFE 934.23	PROPOSED BUILDING FIRST FLOOR ELEVATION.
---		PROPOSED STORM SEWER.
---		EXISTING STORM SEWER.



- LEGEND:**
- O—O — OVERHEAD ELECTRIC LINE.
 - B—B — BURIED ELECTRIC LINE.
 - T—T — BURIED TELEPHONE LINE.
 - F—F — FIBER OPTIC LINE.
 - G—G — GAS LINE.
 - S—S — SANITARY SEWER.
 - W—W — WATER MAIN OR SERVICE.
 - S—S — STORM SEWER LINE.
 - (G) — GAS VALVE.
 - (F) — FIRE HYDRANT.
 - (P) — POWER POLE.
 - (SN) — SANITARY SEWER MANHOLE.
 - (ST) — STORM SEWER MANHOLE.
 - (S) — STORM SEWER INLET.
 - (T) — TELEPHONE PEDESTAL.
 - (TRAN) — TRANSFORMER.
 - (W) — WATER VALVE.
 - S—S — PROPOSED SANITARY SEWER.
 - W—W — PROPOSED WATER MAIN.
 - S—S — PROPOSED STORM SEWER.
 - G—G — PROPOSED GAS MAIN.

STORM SEWER TABLE		
Structure Number	Structure Dimension (Inches)	Neehan Casting or Equivalent
CB #1	36	R-2510
INL #2	24 x 36	R-3067
INL #3	24 x 36	R-3067
INL #4	24 x 36	R-3067
CB #5	24	R-2510

REVISIONS:

NO.	DATE	DESCRIPTION



PROJECT TITLE:
**WEIMER BEARING & TRANSMISSION, INC
N112 W1311 MECQUON RD
GERMANTOWN, WI 53022**

PLAN TITLE:
UTILITY PLAN

DRAWN BY:
JDR

DESIGNED BY:
JDR

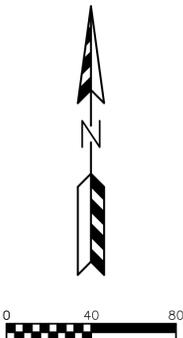
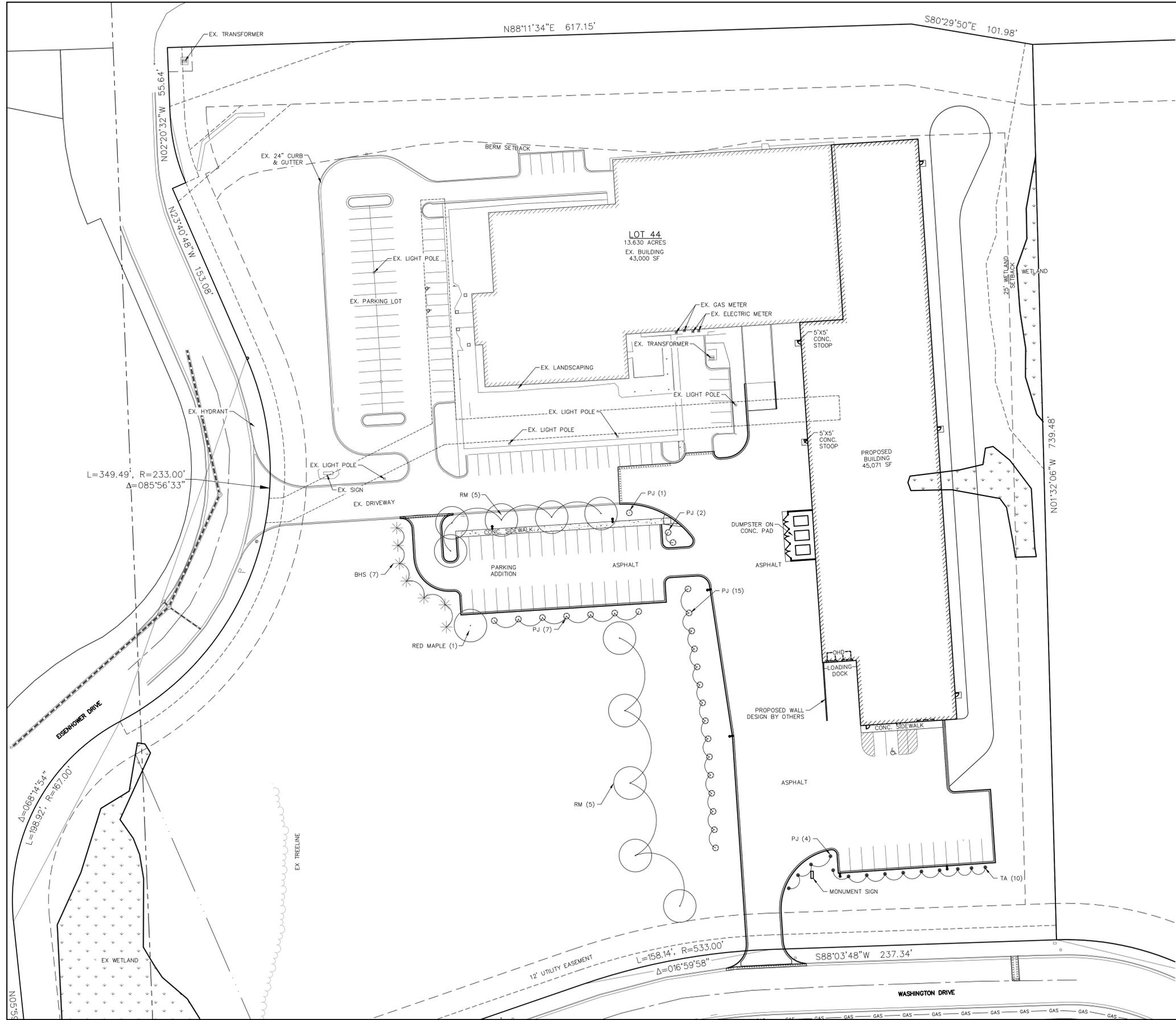
CHECKED BY:
KJP

PLAN DATE:
9/8/2025

PROJECT NO:
VAM-25-14

BID SET

SHEET NO:
C1.05



PLANT LIST

KEY	QTY	SIZE	COMMON NAME	ROOT
RM	(11)	2"	SHADE TREES	BB
			RED MAPLE	
BHS	7	4"	TALL EVERGREEN TREES	BB
			BLACK HILLS SPRUCE	
PJ	(39)	4"	EVERGREEN SHRUBS	BB
			PFITZER JUNIPER	
TA	10	4"	TECHNY ARBORVITAE	BB

NOTES:

- DESIGNATED LAWN AREAS TO RECEIVE A MINIMUM OF 6" OF TOPSOIL, STARTER FERTILIZER, AND LOCALLY GROWN BLUEGRASS SOD.
- PARKING LOT ISLANDS AND DESIGNATED PLANTING BEDS TO BE MULCHED WITH MEDIUM RIVER ROCK MULCH SPREAD TO A DEPTH OF 3" OVER WEED BARRIER FABRIC.
- FOUNDATION PLANTING BEDS AND DESIGNATED PLANTING BEDS TO BE MULCHED WITH SHREDDED HARDWOOD BARK MULCH SPREAD TO A DEPTH OF 3".
- INDIVIDUAL TREES AND SHRUB GROUPINGS IN LAWN AREAS TO RECEIVE SHREDDED HARDWOOD BARK MULCH PLANT RINGS (4" DIAMETER) SPREAD TO A DEPTH OF 3". EXCEPT PLANTINGS WITHIN ANY SWALE AREAS - THESE TREES AND SHRUB GROUPINGS SHALL NOT HAVE ANY MULCH PLACED AROUND THEM.
- DESIGNATED PLANTING BEDS TO BE SEPARATED FROM LAWN AREAS WITH 5" BLACK VINYL EDGING.
- OWNER WILL BE RESPONSIBLE FOR LANDSCAPE MAINTENANCE AFTER COMPLETION AND ACCEPTANCE OF THE PROJECT.

REVISIONS:

NO.	DATE	DESCRIPTION

PSE
 PARISH SURVEY & ENGINEERING
 122 Wisconsin Street, West Bend, WI 53095
 262.346.7800
 www.parishse.com

PROJECT TITLE:
WEIMER BEARING & TRANSMISSION, INC
N112 W13131 MEQUON RD
GERMANTOWN, WI 53022

PLAN TITLE:
LANDSCAPE PLAN

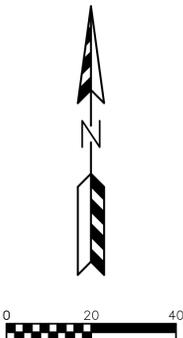
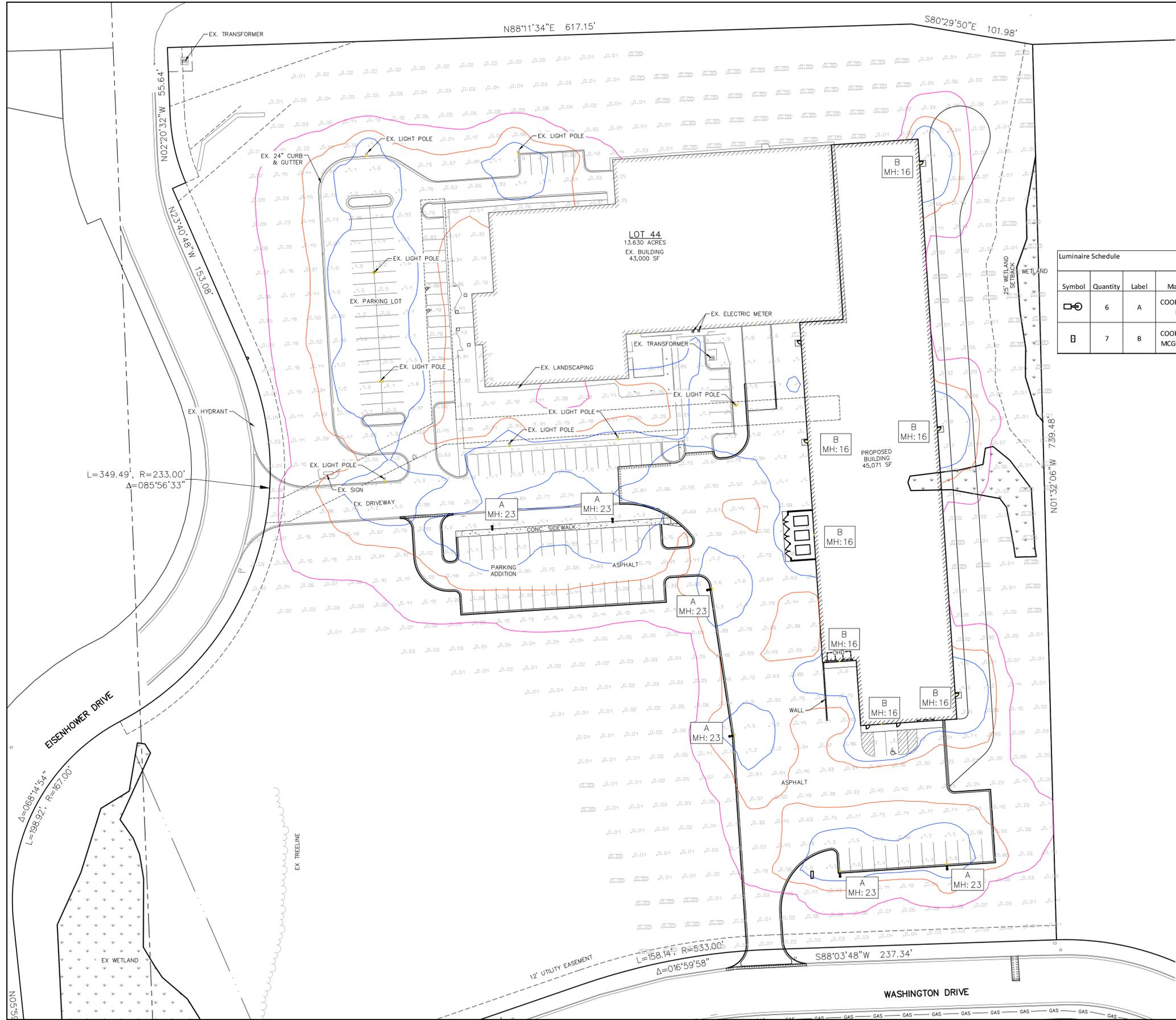
DRAWN BY:
DLC
 DESIGNED BY:
DLC
 CHECKED BY:
JDR

PLAN DATE:
9/8/2025

PROJECT NO:
IAM-25-14

BID SET

SHEET NO:
C1.06



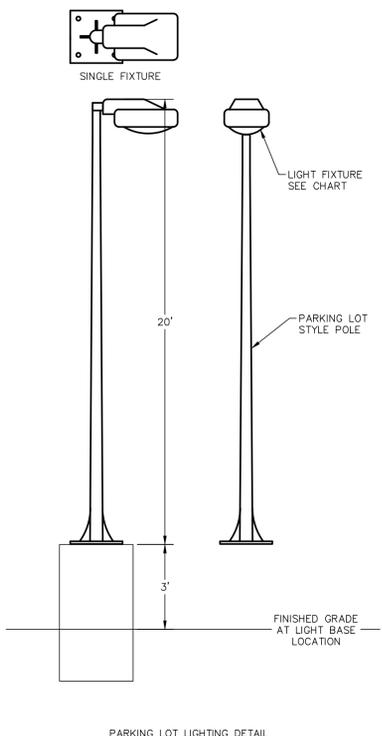
Luminaire Schedule

Symbol	Quantity	Label	Manufacturer	Description	Model Number	Lum Lumens	Lum Watts	LLF
	6	A	COOPER LIGHTING LUMARK	PREVAL DISCRETE LED	PRV-PA18-740-U-T4W	9,738	74	0.9
	7	B	COOPER LIGHTING MCGRAW-EDISON	GEKKO SERIES	GKO-PB2C-730-U-T3	7,786	58	0.9

Calculation Summary

Calc Type	Units	Average	Max	Min	Avg/Min	Max/Min
Illuminance	Fc	0.53	7.17	0	N/A	N/A

- NOTES:
- 1) STANDARD REFLECTANCE OF 80/50/20 UNLESS NOTED OTHERWISE
 - 2) NOT A CONSTRUCTION DOCUMENT, FOR DESIGN PURPOSES ONLY
 - 3) STANDARD INDOOR CALC POINTS @ 30 A.F.F. UNLESS NOTED OTHERWISE
 - 4) STANDARD OUTDOOR CALC POINTS @ GRADE UNLESS NOTED OTHERWISE
 - 5) PSE, LLC ASSUMES NO RESPONSIBILITY FOR INSTALLED LIGHT LEVELS DUE TO FIELD CONDITIONS, ETC.



REVISIONS:

NO.	DATE	DESCRIPTION



PROJECT TITLE:
WEIMER BEARING & TRANSMISSION, INC
N112 W13131 MEQUON RD
GERMANTOWN, WI 53022

PLAN TITLE:
LIGHTING PLAN

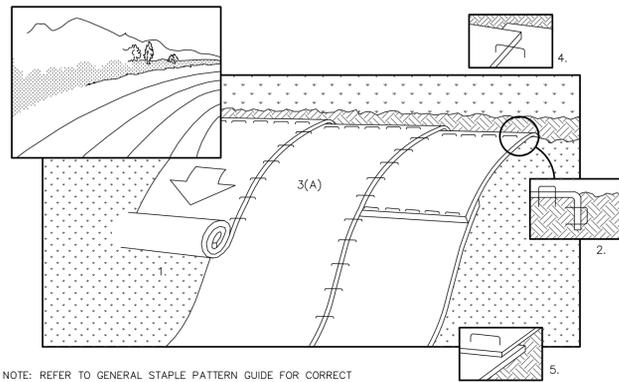
DRAWN BY:
JDR
 DESIGNED BY:
JDR
 CHECKED BY:
KJP

PLAN DATE:
9/8/2025

PROJECT NO:
VAM-25-14

BID SET

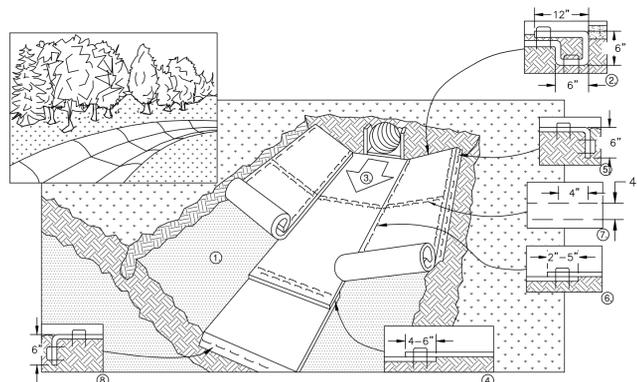
SHEET NO:
C1.07



NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.

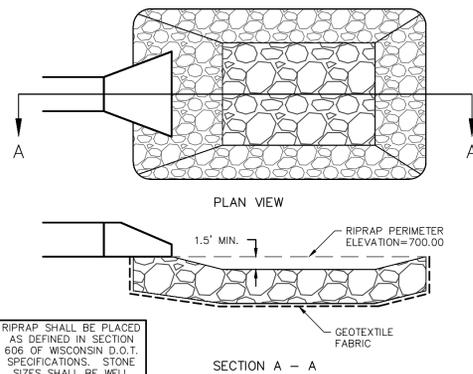
EROSION CONTROL MAT – SLOPE INSTALLATION



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.
4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPE MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 4" AND STAPLED.
7. A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

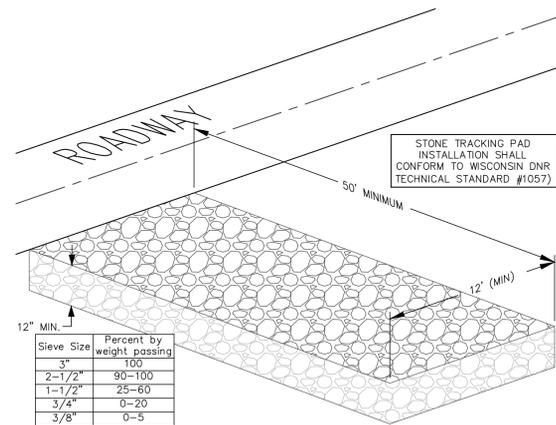
NOTE: ALL STAPLES MUST BE 6" OR GREATER IN LENGTH

EROSION CONTROL MAT – CHANNEL INSTALLATION



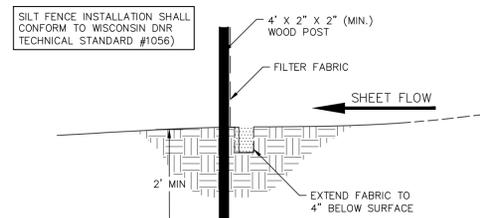
RIPRAP SHALL BE PLACED AS DEFINED IN SECTION 606 OF WISCONSIN D.O.T. SPECIFICATIONS. STONE SIZES SHALL BE WELL GRADED WITH A MINIMUM OF 6 INCH DIAMETER.

RIPRAP/STILLING BASIN DETAIL

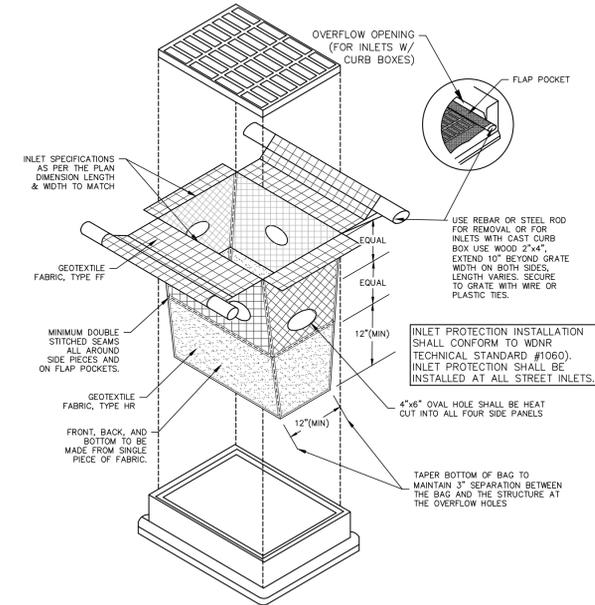


Sieve Size	Percent by weight passing
3"	100
2-1/2"	90-100
1-1/2"	25-60
3/4"	0-20
3/8"	0-5

STONE TRACKING PAD DETAIL

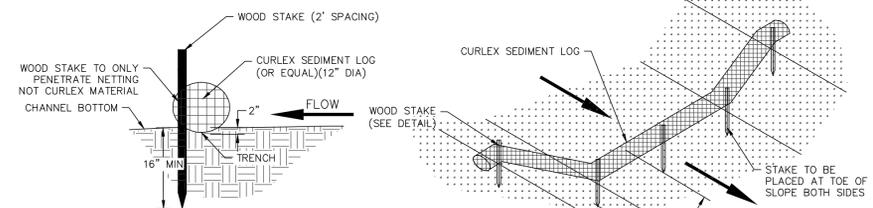


SILT FENCE CONSTRUCTION (SHEET FLOW)



TYPE D-HR INLET PROTECTION DETAIL

SLOPE AREA DRAINS TO SEDIMENT BASIN OR SEDIMENT TRAP?	MAXIMUM PERIOD OF BARE SOIL FOR SLOPES > 20%	
	MAXIMUM PERIOD OF BARE SOIL EXPOSURE (CALENDAR DAYS) LAND DISTURBANCE BETWEEN SEPTEMBER 16TH AND MAY 1ST	LAND DISTURBANCE BETWEEN MAY 2ND AND SEPTEMBER 15TH
YES	90	90
NO	60	30



SPACING BETWEEN CURLEX SEDIMENT LOGS				
CHANNEL GRADIENT %	6"	9"	12"	20"
0.5	91.7	136.7	183.3	250.0
1.0	45.8	68.3	91.7	125.0
1.5	30.6	45.8	61.1	83.3
2	22.9	34.2	45.8	62.5

SEDIMENT LOG DETAIL

NO.	DATE	DESCRIPTION

PSE
PARISH SURVEY & ENGINEERING
122 Wisconsin Street, West Bend, WI 53095
262.346.7800
www.parishse.com

PROJECT TITLE:
WEIMER BEARING & TRANSMISSION, INC
N112 W1311 MEQUON RD
GERMANTOWN, WI 53022

PLAN TITLE:
EROSION CONTROL DETAILS

DRAWN BY:
JDR
DESIGNED BY:
JDR
CHECKED BY:
KJP

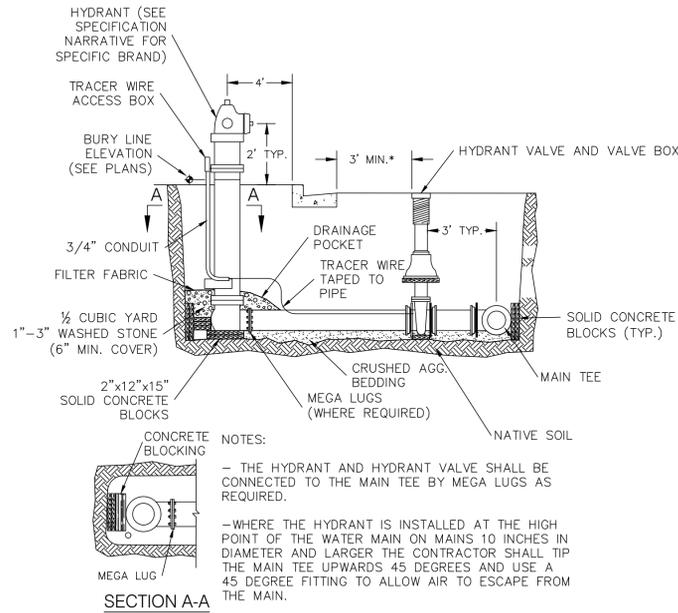
PLAN DATE:
9/8/2025

PROJECT NO:
IAM-25-141

BID SET

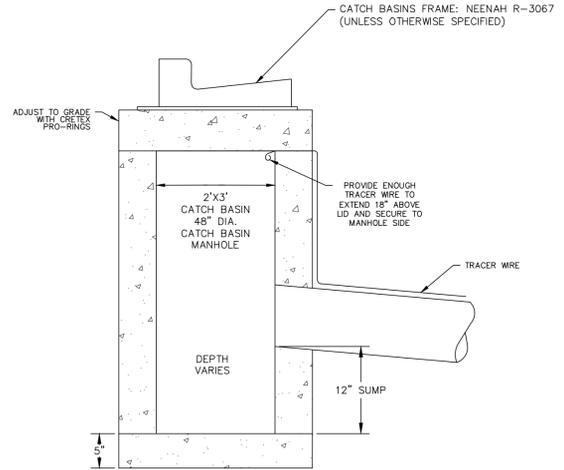
SHEET NO:

C2.03

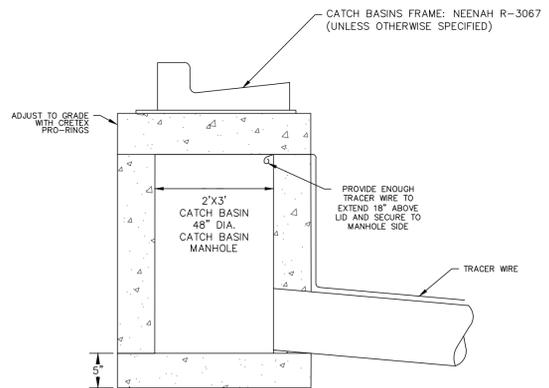


HYDRANT SETTING DETAIL

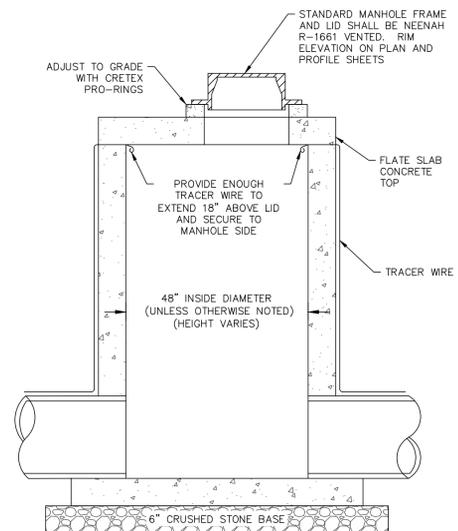
NOTES:
 - THE HYDRANT AND HYDRANT VALVE SHALL BE CONNECTED TO THE MAIN TEE BY MEGA LUGS AS REQUIRED.
 - WHERE THE HYDRANT IS INSTALLED AT THE HIGH POINT OF THE WATER MAIN ON MAINS 10 INCHES IN DIAMETER AND LARGER THE CONTRACTOR SHALL TIP THE MAIN TEE UPWARDS 45 DEGREES AND USE A 45 DEGREE FITTING TO ALLOW AIR TO ESCAPE FROM THE MAIN.
 * IF 3' DISTANCE CANNOT BE ACHIEVED, LOCATE VALVE AND VALVE BOX IN THE TERRACE.



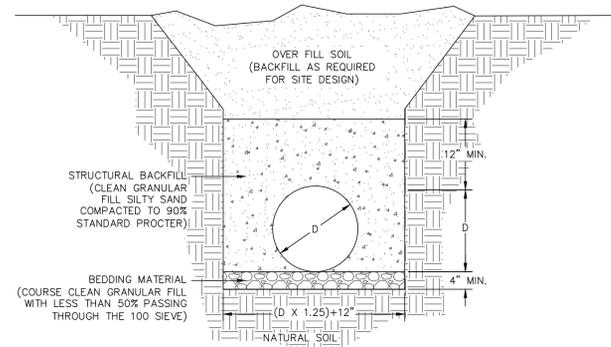
INLET/CATCH BASIN DETAIL



INLET/CATCH BASIN DETAIL



STORM MANHOLE DETAIL



HDPE PIPE BEDDING DETAIL

NO.	DATE	DESCRIPTION

PSE
 PARISH SURVEY & ENGINEERING
 122 Wisconsin Street, West Bend, WI 53095
 262.346.7800 www.parishse.com

PROJECT TITLE:
WEIMER BEARING & TRANSMISSION, INC
N112 W13131 MEQUON RD
GERMANTOWN, WI 53022

PLAN TITLE:
UTILITY DETAILS

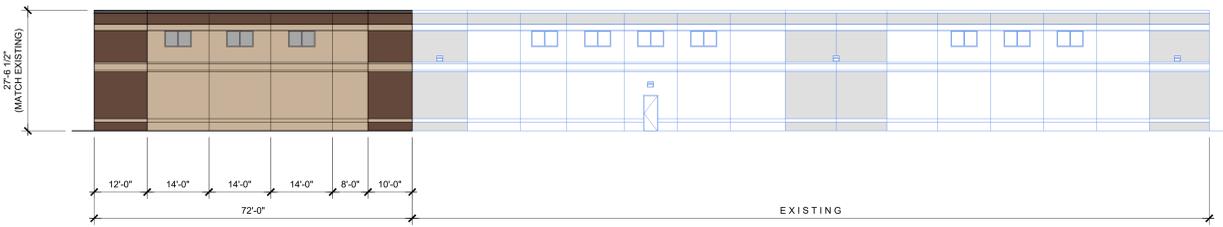
DRAWN BY:
JDR
 DESIGNED BY:
JDR
 CHECKED BY:
KJP

PLAN DATE:
9/8/2025

PROJECT NO:
VAM-25-14

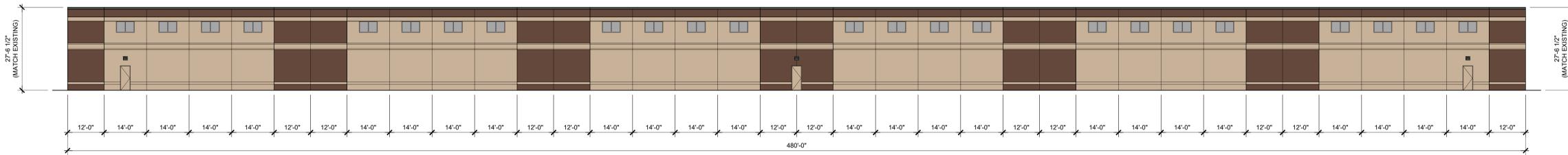
BID SET

SHEET NO:
C2.04



NORTH ELEVATION

1/16" = 1'-0"



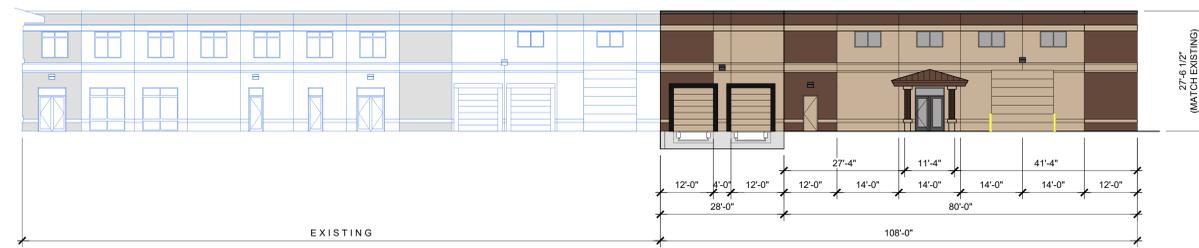
EAST ELEVATION

1/16" = 1'-0"

EXTERIOR MATERIAL FINISH SCHEDULE:

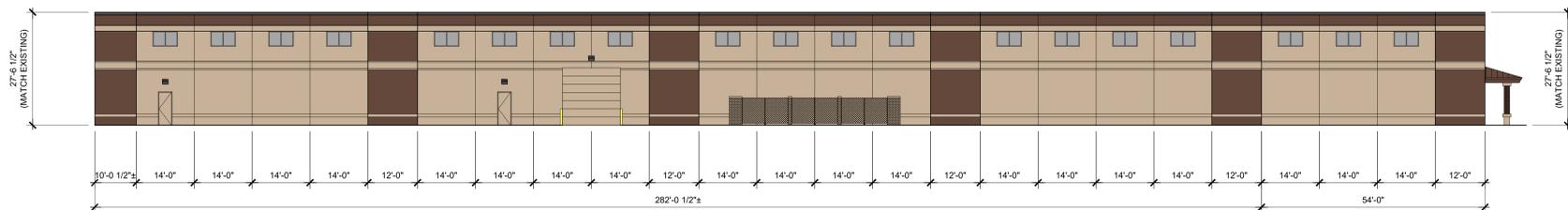
- METROBRICK BLEND OF 70% #350 MAIN STREET FLASHED AND 30% #320 SCHOOLHOUSE RED (NON-FLASHED). MODULAR SIZE - RUNNING BOND. (MATCH EXISTING)
- PT-1: SW2856 / FAIRFAX BROWN (MATCH EXISTING)
- PT-2: SW6107 / NOMADIC DESERT (MATCH EXISTING)
- UNA-CLAD STANDING SEAM ROOF. MEDIUM BRONZE FINISH WITH UC-3 PROFILE. (MATCH EXISTING)
- EXTERIOR ALUMINUM WINDOW / DOOR FINISH: LIGHT BRONZE ANODIZED ALUMINUM - THERMALLY BRATEN GLAZING SYSTEM w/ 1" INSULATED LOW-E BRONZE ANEALD TINTED GLASS. (MATCH EXISTING)
- GLASS: 1" INSULATED BRONZE ANEALD TINTED LOW-E GLASS. (MATCH EXISTING)

NOTES: ALL EXTERIOR JOINTS BETWEEN ARCHITECTURAL PRECAST PANELS SHALL BE GROUTED SOLID AND SEALED AT INTERIOR AND EXTERIOR FACE WITH APPROVED BACKER ROD AND SEALANT. COLOR TBD BY ARCHITECT.



SOUTH ELEVATION

1/16" = 1'-0"



WEST ELEVATION

1/16" = 1'-0"

PROPOSED ADDITION
Weimer Bearing & Transmission, Inc.
 N112W3131 Mequon Road
 Village of Germantown, Washington County

Issue Date:
09 / 08 / 2025

Revision:

Project Number:
25021

Sheet Title:
ELEVATIONS

Sheet Number:

A-201

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

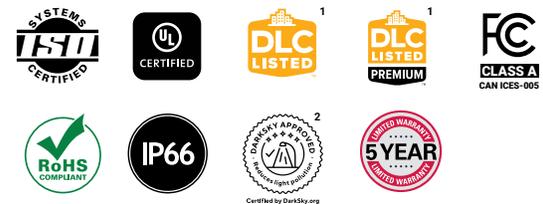
Prevail Discrete LED

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3, 4](#)
- Optical Configurations [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 8](#)

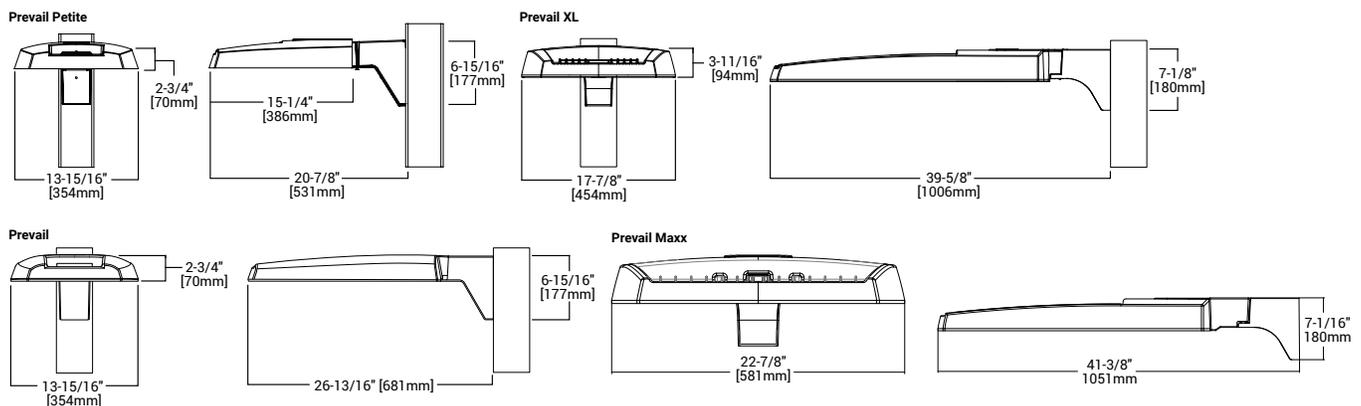
Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details



NOTES:
 1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
 2. IDA Certified for 3000K CCT and warmer only.

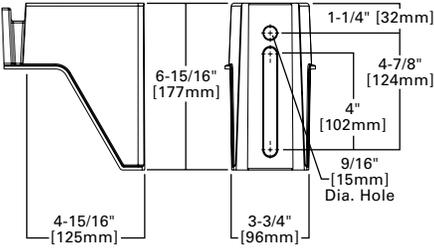
Ordering Information

SAMPLE NUMBER: PRV-XL-PA4B-740-U-T4W-BZ

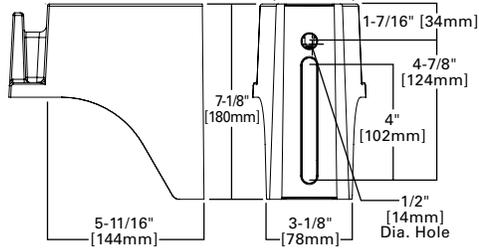
Product Family ^{1,2}	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current ⁴					
PRV-P =Prevail Petite BAA-PRV-P =Prevail Petite BAA Buy American Act Compliant ³ TAA-PRV-P =Prevail Petite TAA Trade Agreements Act Compliant ³ BABA-PRV-P =Prevail Petite BABA Build America Buy America Act Compliant ³¹	PA1 =1 Panel, 24 LED Rectangle	A =400mA Nominal B =700mA Nominal C =950mA Nominal D =1200mA Nominal	740 =70CRI, 4000K 730 =70CRI, 3000K 750 =70CRI, 5000K 8540 =85CRI, 4000K	U =Universal, 120-277V H =High Voltage, 347-480V 1=120V 2=208V 3=240V 4=277V 8=480V ⁵ 9=347V DV =DuraVolt, 277-480V ^{5,6}	T2R =Type II Roadway T2U =Type II Urban T3 =Type III T4W =Type IV Wide 5WQ =Type V Square Wide	SA =QM Standard Versatile Arm MA =QM Mast Arm FMA =Fixed Mast Arm ²⁵ WM =QM Wall Mount Arm ADJA-WM = Adjustable Arm - Wall Mount ²⁸ ADJA =Adjustable Arm - Pole Mount ²⁸ ADJS =Adjustable Arm - Slipfitter, 3" vertical tenon ²⁸ SP2 =Adjustable Arm - Slipfitter, 2 3/8" vertical tenon ^{28, 29}	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
PRV =Prevail BAA-PRV =Prevail BAA Buy American Act Compliant ³ TAA-PRV =Prevail TAA Trade Agreements Act Compliant ³ BABA-PRV =Prevail BABA Build America Buy America Act Compliant ³¹	PA1 =1 Panel, 24 LED Rectangle PA2 =2 Panels, 48 LED Rectangles	A =700mA Nominal B =950mA Nominal					
PRV-XL =PRV XL BAA-PRV-XL =Prevail XL BAA Buy American Act Compliant ³ TAA-PRV-XL =Prevail XL TAA Trade Agreements Act Compliant ³ BABA-PRV-XL =Prevail XL BABA Build America Buy America Act Compliant ³¹	PA3 =3 Panels, 72 LED Rectangles PA4 =4 Panels, 96 LED Rectangles	A =750mA Nominal B =950mA Nominal					
PRV-M =Prevail Maxx BAA-PRV-M =Prevail Maxx BAA Buy American Act Compliant ³ TAA-PRV-M =Prevail Maxx TAA Trade Agreements Act Compliant ³ BABA-PRV-M =Prevail Maxx BABA Build America Buy America Act Compliant ³⁰	PA6 = 6 Panels, 144 LED Rectangles	A =600mA Nominal B =800mA Nominal C =1000mA Nominal D =1200mA Nominal					
Options (Add as Suffix)				Accessories (Order Separately) ^{20,21}			
10K =10kV UL 1449 Fused Surge Protective Device 20MSP =20kV MOV Surge Protective Device 20K =20kV UL 1449 Fused Surge Protective Device F =Single Fuse (Used with Voltages 120, 277 or 347V) FF =Double Fuse (Used with Voltages 208, 240 or 480V) FADC =Field Adjustable Dimming Controller ²⁹ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right CC =Coastal Construction finish ⁹ HSS =House Side Shield (Factory Installed) ⁷ HA =50°C High Ambient Temperature ⁸ PR =NEMA 3-PIN Twistlock Photocontrol Receptacle ¹⁰ PR7 =NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁰ MS/DIM-L08 =Motion Sensor for Dimming Operation, Up to 8' Mounting Height ^{11,12,13} MS/DIM-L20 =Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{11,12,13} MS/DIM-L40 =Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{11,12,13} SPB1 =Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height ^{11,14} SPB2 =Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height ^{11,14,26,27} SPB4 =Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height ^{11,14,27}	WPS2XX =Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height ^{11,12,15,16} WPS4XX =Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height ^{11,12,15,16} WLS2XX =WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting Height ^{11,12,15,16} WLS4XX =WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting Height ^{11,12,15,16}	PRVSA-XX =Standard Arm Mounting Kit ²¹ PRVMA-XX =Mast Arm Mounting Kit ²¹ PRVWM-XX =Wall Mount Kit ²¹ PRV-ADJA-XX =Adjustable Arm - Pole Mount Kit ²¹ PRV-ADJS-XX =Adjustable Arm - Slipfitter Kit ²¹ PRV-ADJA-WM-XX =Adjustable Arm - Wall Mount Kit ²¹ PRVXLSA-XX =Standard Arm Mounting Kit ²⁷ PRVXLMA-XX =Mast Arm Mounting Kit ²⁷ PRVXLWM-XX =Wall Mount Kit ²⁷ PRV-XL-ADJA-XX =Adjustable Arm - Pole Mount Kit ²⁷ PRV-XL-ADJA-WM-XX = Adjustable Arm - Wall Mount Kit ²⁷ PRV-XL-ADJS-XX = Adjustable Arm - Slipfitter Kit ²⁷ PRV-M-ADJS-XX =Adjustable Arm - Pole Mount Kit ²⁶ PRV-M-ADJA-XX =Adjustable Arm - Pole Mount Kit ²⁶ PRV-M-ADJS-XX =Adjustable Arm - Slipfitter Kit ²⁶ PRV-M-ADJA-WM-XX =Adjustable Arm - Wall Mount Kit ²⁵ MA1010-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1011-XX-2@180° =Tenon Adapter for 3-1/2" O.D. Tenon	MA1017-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1018-XX-2@180° = Tenon Adapter for 2-3/8" O.D. Tenon SRA238 =Tenon Adapter from 3" to 2-3/8" PRV/DIS-FDV =Full Drop Visor ²² PRVXL/DIS-FDV =Full Drop Visor ¹⁷ HSS-VP =House Side Shield Kit, Vertical Panel ^{7,23} HSS-HP =House Side Shield Kit, Horizontal Panel ^{7,23} VGS-ARCH = Panel Drop Shield, Short VGL-ARCH = Panel Drop Shield, Long OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =NEMA Photocontrol - 120V OA/RA1016 =NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1027 =NEMA Photocontrol - 480V FSIR-100 =Wireless Configuration Tool for Occupancy Sensor ²⁴ WOLC-7P-10A =WaveLinx Outdoor Control Module (7-PIN) ²⁵				
NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WPS13001EN for additional support information. 3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables. 5. 480V not to be used with ungrounded or impedance grounded systems. 6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information. 7. House Side Shield not for use with 5WQ distribution. 8. Not available with PA1D light engine in Petite housing (PRV-P). 9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used. 11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB). 12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage. 13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately. 14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details. 15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F). 16. Replace XX with sensor color (WH, BZ or BK). 17. Only available in PRV-XL configurations. 18. Not available with High Voltage (H, DV, 8 or 9) or HA options. 19. Replace XX with paint color. 20. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 21. Not for use with PRV-XL or PRV-M configurations. 22. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P. 23. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details. 24. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information. 25. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V. 26. Only available for PRV-M configurations. 27. Only for use with PRV-XL. 28. Fixed for PRV-M. 29. Cannot be used with PR7 or other motion response control options. 30. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.							

Mounting Details

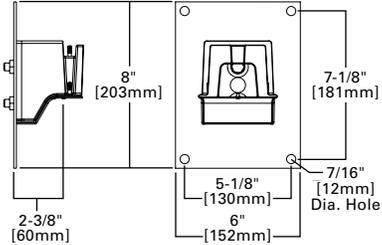
SA=QM Pole Mount Arm (PRV & PRV-P)



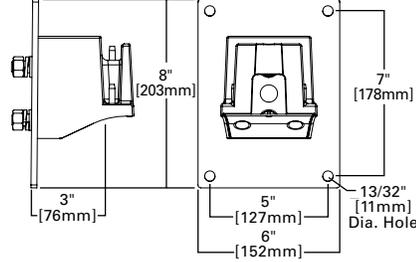
SA=QM Pole Mount Arm (PRV-XL)



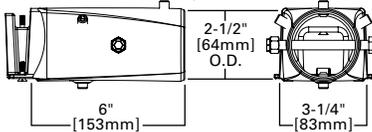
WM=QM Wall Mount Arm (PRV & PRV-P)



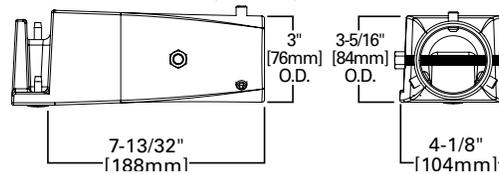
WM=QM Wall Mount Arm (PRV-XL)



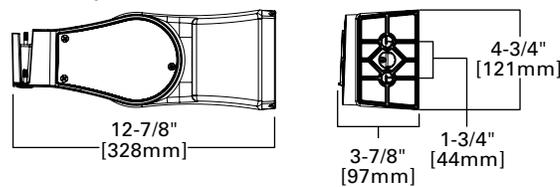
MA=QM Mast Arm (PRV & PRV-P)



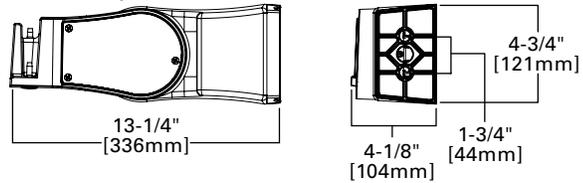
MA=QM Mast Arm (PRV-XL)



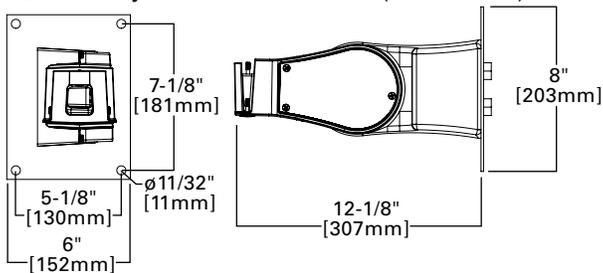
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



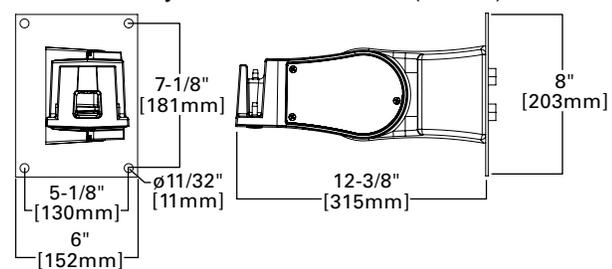
ADJA=Adjustable Arm Pole Mount (PRV-XL)



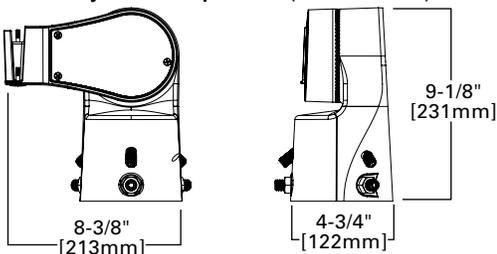
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



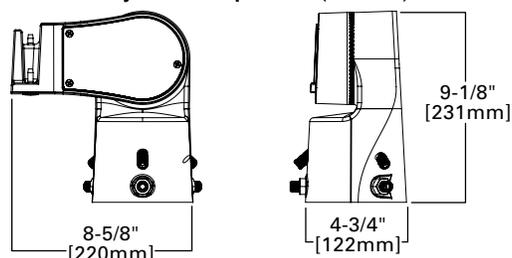
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



ADJS=Adjustable Slipfitter 3 (PRV & PRV-P)

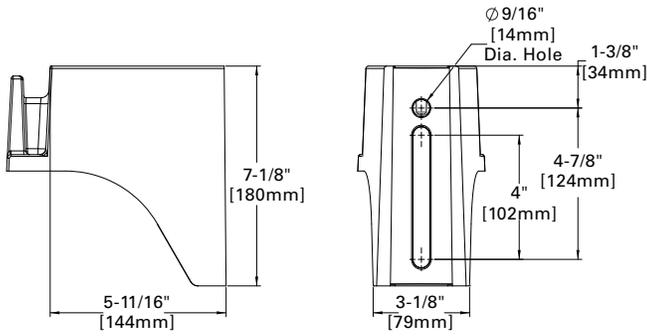


ADJS=Adjustable Slipfitter 3 (PRV-XL)

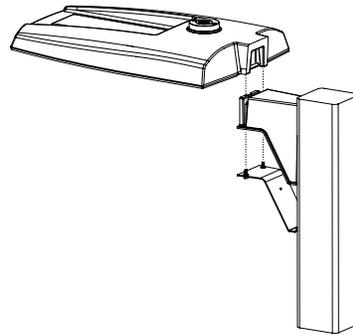


Mounting Details

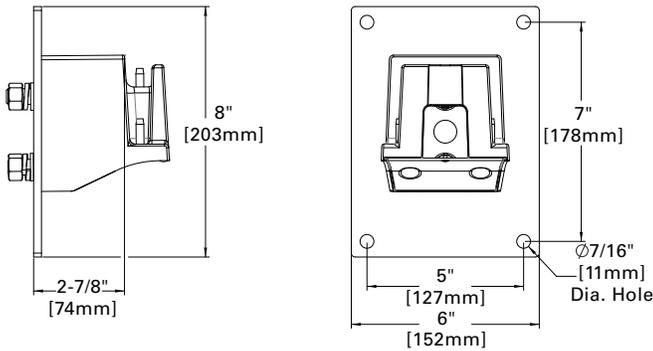
SA=QM Pole Mount Arm (PRV-M)



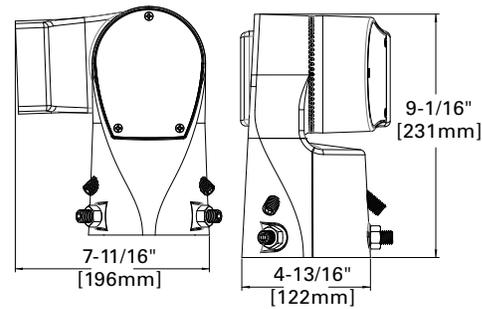
Versatile Mount System



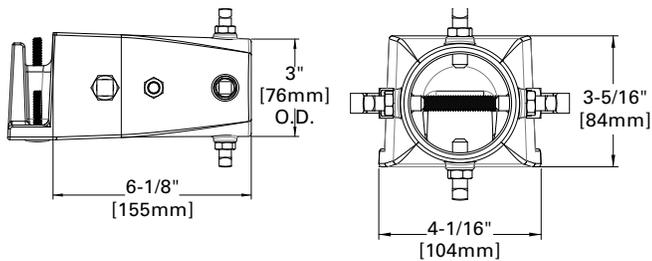
WM=QM Wall Mount Arm (PRV-M)



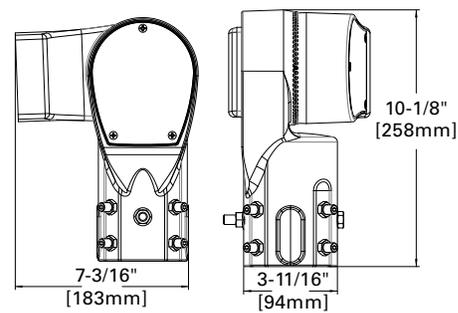
ADJS=Adjustable Slipfitter (PRV-M)



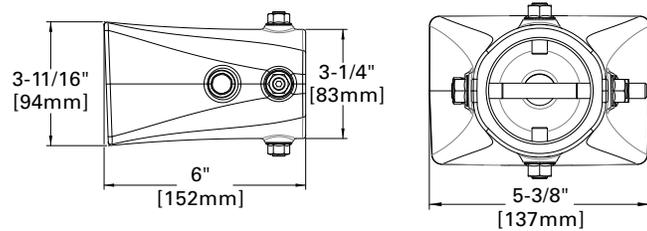
MA=QM Mast Arm (PRV-M)



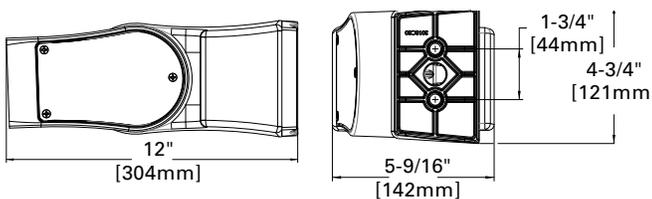
SP2=Adjustable Slipfitter 2-3/8" (PRV-M)



FMA=Fixed Mast Arm (PRV-M)



ADJA=Adjustable Pole Mount Arm (PRV-M)



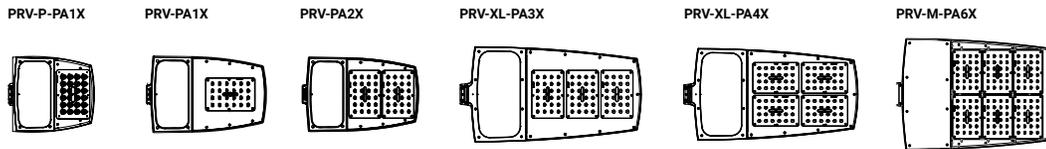
Mounting Details

Mounting Configurations and EPAs

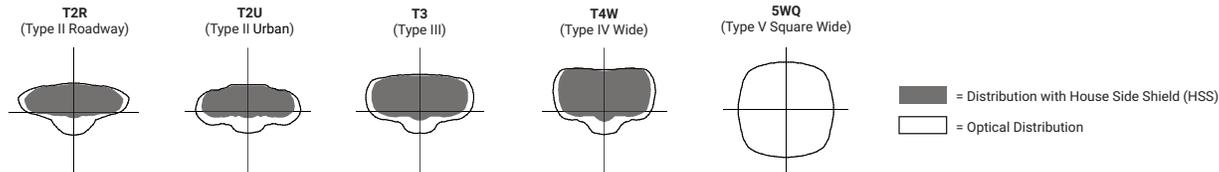
Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49
Prevail Maxx	0°	1.28	2.56	1.7	2.69	2.69
	60°	5.09	5.52	6.34	7.49	7.81

NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications

Optical Configurations



Optical Distributions



Product Specifications

Optics

- Precision molded polycarbonate optics

Electrical

- 40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge

Physical Characteristics

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door
- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)
- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only

Controls

- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels; Comes pre-set to the highest position at the lumen output selected

Compliance

- DarkSky approved for 3000K CCT and warmer, with mounting options less than 10° of tilt.
- DLC and DLC Premium listed – visit designlights.org to confirm listed variations
- Prevail and Prevail Petite: 3G vibration rated (all arms)
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated
- Adjustable Arms: 1.5G vibration rated
- BAA domestic preference option meets BAA requirements. See DOMESTIC.PREFERENCES website or consult the CLS Domestic Preferences team for more information
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Please refer to the DOMESTIC.PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Typical Applications

- Parking lots
- Walkways
- Roadways
- Building Areas

Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)
- Prevail Maxx: 49 lbs. (22.23 kgs.)

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Power and Lumens

[View PRV-P IES files](#)

[View PRV IES files](#)

[View PRV-XL IES files](#)

Product Family	Prevail Petite				Prevail				Prevail XL				Prevail Maxx				
Light Engine	PA1A	PA1B	PA1C	PA1D	PA1A	PA1B	PA2A	PA2B	PA3A	PA3B	PA4A	PA4B	PA6A	PA6B	PA6C	PA6D	
Power (Watts)	31	53	72	93	54	74	113	151	172	234	245	303	274	366	457	544	
Drive Current (mA)	375	670	930	1200	670	930	720	970	750	980	785	970	600	800	1000	1200	
Input Current @ 120V (A)	0.26	0.44	0.60	0.78	0.45	0.62	0.93	1.26	1.44	1.95	2.04	2.53	2.30	3.05	3.83	4.54	
Input Current @ 277V (A)	0.12	0.20	0.28	0.35	0.21	0.28	0.41	0.55	0.62	0.85	0.93	1.12	0.99	1.30	1.62	1.94	
Input Current @ 347V (A)	0.10	0.17	0.23	0.29	0.17	0.23	0.33	0.45	0.52	0.70	0.74	0.90	0.78	1.05	1.32	1.60	
Input Current @ 480V (A)	0.07	0.13	0.17	0.22	0.12	0.17	0.24	0.33	0.39	0.52	0.53	0.65	0.58	0.76	0.95	1.14	
Distribution																	
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300	7,605	9,896	15,811	19,745	24,718	30,648	34,067	39,689	41,611	52,596	61,921	67,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	147	139	132	121	141	134	141	131	144	131	139	131	152	144	135	125
	3000K Lumens ¹	4,103	6,705	8,647	10,291	6,926	9,012	14,399	17,982	22,511	27,912	31,025	36,145	37,896	47,900	56,392	61,837
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349	6,006	7,815	12,487	15,594	19,521	24,204	26,094	31,334	32,874	41,553	48,919	53,642
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5
	Lumens per Watt	121	115	109	100	111	106	111	103	113	103	107	103	120	114	107	99
	3000K Lumens ¹	3,394	5,547	7,154	8,514	5,470	7,117	11,372	14,201	17,778	22,043	24,502	28,545	29,939	37,843	44,552	48,853
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277	7,597	9,886	15,795	19,724	24,692	30,616	34,031	39,647	41,372	52,294	61,565	67,509
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	141	134	141	131	144	131	139	131	151	143	135	124
	3000K Lumens ¹	4,095	6,691	8,630	10,271	6,919	9,003	14,384	17,963	22,488	27,882	30,992	36,107	37,678	47,625	56,068	61,481
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160	5,297	6,893	11,013	13,753	17,217	21,347	23,728	27,644	28,951	36,594	43,082	47,241
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	106	101	95	87	98	93	97	91	100	91	97	91	106	100	94	87
	3000K Lumens ¹	2,963	4,841	6,244	7,431	4,824	6,277	10,029	12,525	15,680	19,441	21,609	25,176	26,366	33,327	39,235	43,023
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145	7,575	9,857	15,749	19,667	24,621	30,527	33,932	39,532	41,155	52,020	61,242	67,155
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	145	138	130	119	140	133	141	130	143	130	138	130	150	142	134	123
	3000K Lumens ¹	4,046	6,612	8,528	10,150	6,899	8,977	14,343	17,911	22,423	27,802	30,903	36,002	37,480	47,375	55,774	61,159
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543	5,592	7,277	11,626	14,519	18,176	22,536	25,049	29,183	30,159	38,121	44,879	49,212
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	111	105	100	91	104	98	103	96	106	96	102	96	110	104	98	90
	3000K Lumens ¹	3,102	5,069	6,538	7,781	5,093	6,627	10,588	13,222	16,553	20,524	22,813	26,578	27,466	34,717	40,872	44,818
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906	7,484	9,738	15,560	19,431	24,325	30,161	33,525	39,057	41,207	52,086	61,320	67,240
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	142	135	127	117	139	132	139	129	141	129	137	129	151	142	134	124
	3000K Lumens ¹	3,960	6,471	8,346	9,932	6,816	8,869	14,170	17,696	22,153	27,468	30,531	35,570	37,528	47,435	55,845	61,236
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323	5,420	7,053	11,268	14,072	17,617	24,843	24,279	28,286	30,005	37,926	44,650	48,961
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	103	97	89	100	95	100	93	102	106	99	93	110	104	98	90
	3000K Lumens ¹	3,022	4,938	6,369	7,580	4,936	6,423	10,262	12,816	16,044	19,892	22,111	25,760	27,326	34,540	40,664	44,589
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280	7,831	10,190	16,281	20,332	25,453	31,559	35,079	40,868	42,947	54,285	63,909	70,079
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	145	138	145	135	148	135	143	135	157	143	136	129
	3000K Lumens ¹	4,095	6,693	8,632	10,273	7,132	9,280	14,827	18,517	23,180	28,741	31,947	37,219	39,112	49,438	58,203	63,822

NOTES:

1. For 3000K or HSS BUG Ratings, refer to published IES files

Energy and Performance Data

House Side Shield Reference Table

Product Family		Prevail	Prevail		Prevail XL		Prevail Maxx
Light Engine		PA1	PA1	PA2	PA3	PA4	PA6
Rotated Optics	Standard	HSS-HP (Qty 1)	HSS-VP (Qty 1)	HSS-HP (Qty 2)	HSS-HP (Qty 3)	HSS-VP (Qty 4)	HSS-HP (qty 6)
	L90 or R90 option	HSS-VP (Qty 1)	HSS-HP (Qty 1)	HSS-VP (Qty 2)	HSS-VP (Qty 3)	HSS-HP (Qty 4)	HSS-VP (qty 6)

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Postion	Percent of Typical Lumen Output
1	25%
2	48%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Lumen Maintenance

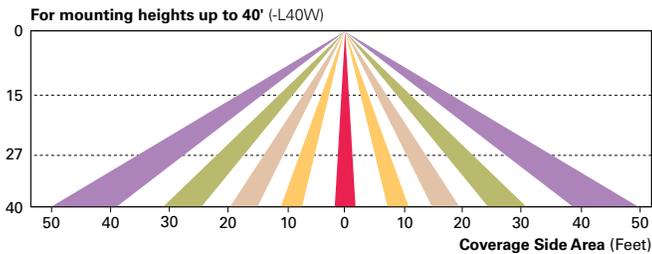
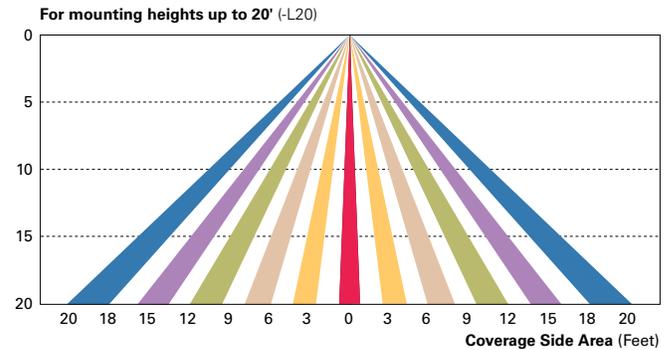
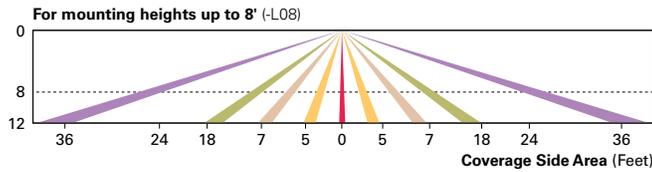
Ambient Temperature	TM-21 Lumen Maintenance (78,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 896,000

Control Options

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

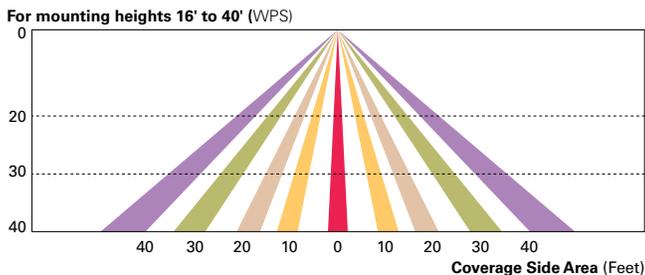
Dimming Occupancy Sensor (SPB, MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.



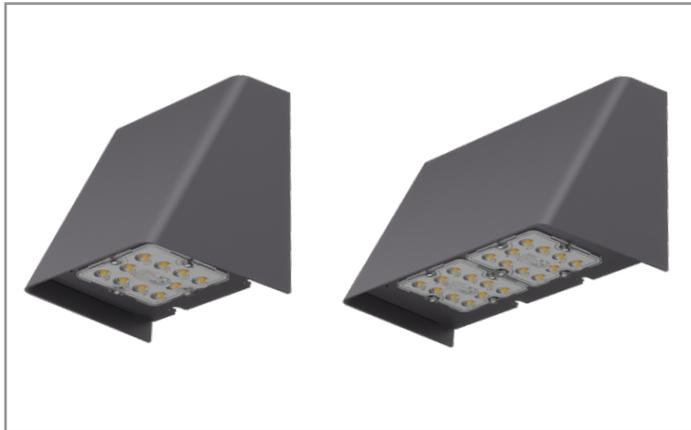
WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomical or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx PRO Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.



Project		Catalog #		Type	
Prepared by		Notes		Date	



McGraw-Edison

GKO Gekko

Wall Mount Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Product Specifications [page 2](#)
- Optical Configurations [page 3](#)
- Energy and Performance Data [page 4](#)
- Control Options [page 6](#)

Quick Facts

- Available in small and medium housing sizes
- Choice of 5 optical distributions
- 11 lumen packages from 750 up to 13,500
- Efficacies up to 169 lumens per watt

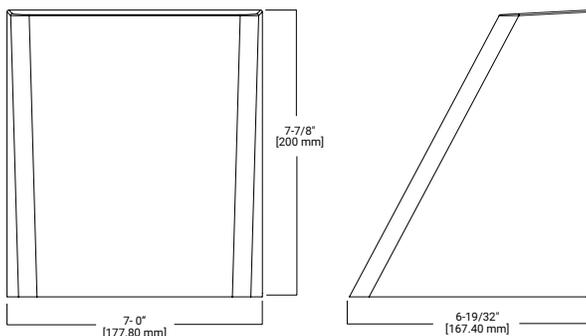
Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details

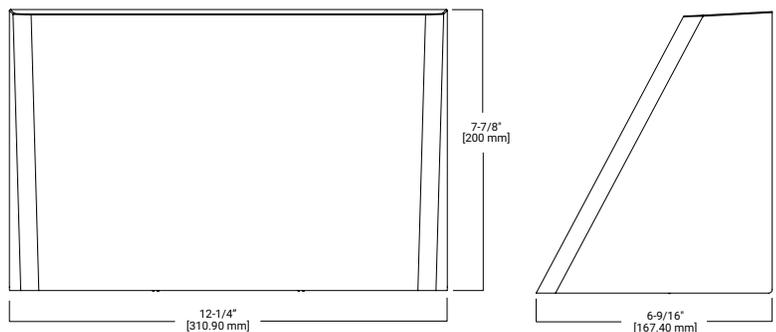
PB1

Net Weight: 6.0 lbs (2.7 kg)



PB2

Net Weight: 10.6 lbs (4.8 kg)



NOTES:

1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: GKO-PB2A-740-U-T3-BK

Product Family	Light Engine Configuration		Lumen Output	Color Temperature	Voltage	Distribution	Finish
	Light Engine	Size					
GKO=Gekko Wall Luminaire BAA-GKO=Gekko Buy American Act Compliant ¹³ TAA-GKO=Gekko Trade Agreements Act Compliant ¹³ BABA-GKO=Gekko Build America Buy America Act Compliant ¹⁴	PB=Mini 10-LED Light Square	1=Small, 1 Square 2=Medium, 2 Squares	A=Output Level 1 B=Output Level 2 C=Output Level 3 D=Output Level 4 E=Output Level 5 F=Output Level 6 ¹	722=70 CRI, 2200K CCT 727=70 CRI, 2700K CCT 730=70 CRI, 3000K CCT 740=70 CRI, 4000K CCT 750=70 CRI, 5000K CCT AMB=Amber 590nm ²	U=120-277V 1=120V 2=208V 3=240V 4=277V 8=480V ¹⁵ 9=347V	T1=Type I T2R=Type II Round T2U=Type II Urban T3=Type III T4W=Type IV Wide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic NW=New White
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)		Accessories (Order Separately)		
F=Single Fused (120, 277 or 347, Specify Voltage) FF=Double Fused (208, 240 or 480, Specify Voltage) 20MSP=Parallel 20kV MOV Surge Protective Device 20K=Series 20kV UL1449 Fused Surge Protective Device 2L=Two Circuits ³ CBP=Battery Pack, Cold Weather Rated ^{4,10} CBP-CEC=Battery Pack, Cold Weather Rated, CEC Compliant ^{4,10} HSS=Factory Installed House Side Shield HA=50C ⁹ High Ambient ¹⁰ CC=Coastal Construction ⁵			BPC=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) FADC=Field Adjustable Dimming Controller ⁸ SPB1=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting ^{6,7,8,11} SPB2=Dimming Occupancy Sensor with Bluetooth Interface, 8' - 20' Mounting ^{6,7,8,11} MS/DIM-L08=Motion Sensor for Dimming Operation, <8' Mounting ^{7,8,11,12} MS/DIM-L20=Motion Sensor for Dimming Operation, 8'-20' Mounting ^{7,8,11,12} WPS2XX=WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7'-15' Mounting ^{7,8,11,16,17} WPS4XX=WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15'-40' Mounting ^{7,8,11,16,17} WLS2XX=WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7'-15' Mounting ^{7,8,11,17} WLS4XX=WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15'-40' Mounting ^{7,8,11,17}		PBHSS=House Side Shield (Single) ⁹ PBPF=Perimeter Fence Shield Kit (4 Pieces) FSIR-100= Wireless Configuration Tool for MS/DIM ¹² MA1252=10kV Surge Module Replacement		
NOTES: 1. Output Level 6 not available with PB2 2. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Output Level 1; supplied at 300mA for PB1, 600mA for PB2. Not available with HA option. Exact luminaire wattage available in IES files. 3. Not available with PB1. Not available with FF option, or controls options at 347V or 480V. 4. Operates at -20°C to +40°C. Not available with HA option. 5. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 6. Smart device with mobile application required to change system defaults. See controls section for details. 7. Includes integral photosensor. 8. Not available with PB1 at Output Level 1 or 2. Not available with other motion activated control options. 9. One required per PB light square. 10. Not available with PB2 at Output Levels 4 or 5. 11. When motion controls are selected, PB1 uses surface mount sensor in PB2 housing, PB2 uses side-mount motion sensor in PB2 housing. 12. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 13. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 14. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 15. 480V not to be used with ungrounded or impedance grounded systems. 16. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. 17. Replace XX with sensor color (WH, BZ, or BK).							

Product Specifications

Construction

- Available in small (1 square) and medium (2 square) sizes
- Die-cast aluminum housing
- IP66 rated housing
- IK10 impact rated

Optics

- 10-LED square light engine
- 5 optical distributions
- IDA Certified (3000K CCT and warmer only)
- 2 versions of field-installable shielding for superior spill light control
 - Single-piece snap-on square shields (HSS)
 - Multiple-piece configurable vertical perimeter shielding (PFS)

Electrical

- Standard with 0-10V dimming
- Standard with 10kV surge device
- 10kV or 20kV surge protective options with series or parallel configurations
- -40°C to 40°C ambient temperature operating range with optional high ambient (HA) 50°C

Controls

- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Default setting is the highest position at the lumen output selected

Finish

- Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- 3,000-hours per ASTM B117, with a scribe rating of 7 per ASTM D1654 for standard color finish
- Coastal Construction (CC) option available

Typical Applications

- Exterior wall, walkway

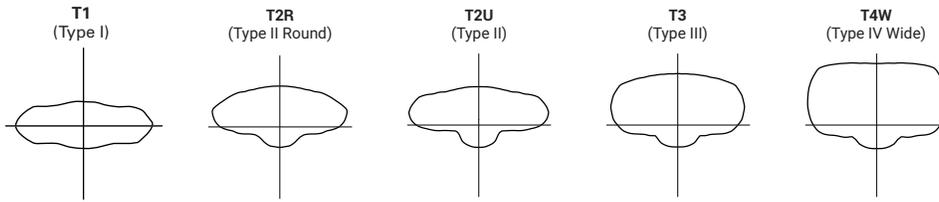
Compliance

- BAA domestic preference option meets BAA requirements. See [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Please refer to the [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Optical Distributions



Energy and Performance Data

Lumen Maintenance

Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours*	L70*
25°C	98.1%	96.3%	95.6%	92.8%	>102,000
40°C	98.0%	96.1%	95.3%	92.3%	>102,000
50°C	97.8%	95.6%	94.8%	91.4%	>102,000

Note: * Calculations provided in accordance with IES TM-21-11 using the configuration resulting in highest LED temperature.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-5% typical value

LED Color Multipliers

CRI	CCT				
	2200	2700	3000	4000	5000
70	Lumen Multiplier*				
	0.83	0.92	0.95	1.00	1.00

Note: * Estimates, refer to IES files for accuracy.

Energy and Performance Data

[View GKO Gekko IES files](#)

Number of Light Squares		1 Square (PB1)						2 Squares (PB2)						
Output Level		A	B	C	D	E	F	A	B	C	D	E		
Drive Current		180mA	300mA	520mA	740mA	1100mA	1500mA	800mA	1250mA	1700mA	1130mA	1500mA		
Nominal Power (Watts)		6	9	17	25	38	54	26	41	57	78	107		
Input Current @ 120V (A)		0.040	0.079	0.145	0.218	0.328	0.465	0.224	0.353	0.494	0.640	0.875		
Input Current @ 208V (A)		0.025	0.048	0.085	0.127	0.189	0.264	0.131	0.203	0.280	0.367	0.498		
Input Current @ 240V (A)		0.023	0.044	0.075	0.112	0.165	0.230	0.115	0.176	0.243	0.320	0.432		
Input Current @ 277V (A)		0.021	0.041	0.067	0.099	0.144	0.200	0.102	0.154	0.212	0.280	0.375		
Input Current @ 347V (A)		n/a	n/a	0.056	0.076	0.112	0.156	0.079	0.121	0.166	0.219	0.300		
Input Current @ 480V (A)		n/a	n/a	0.045	0.058	0.083	0.114	0.060	0.089	0.121	0.160	0.217		
CCT/ CRI	Optics	PB1A	PB1B	PB1C	PB1D	PB1E	PB1F	PB2A	PB2B	PB2C	PB2D	PB2E		
70 CRI 2200K CCT	T1	Lumens	671	1,307	2,244	3,184	4,504	5,814	3,658	5,547	7,241	9,059	11,179	
		Lumens per Watt	140	141	132	124	116	107	138	133	124	119	107	
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	
	T2R	Lumens	647	1,259	2,161	3,067	4,338	5,600	3,523	5,342	6,974	8,726	10,767	
		Lumens per Watt	135	135	127	120	112	103	133	128	120	115	103	
		BUG Rating	B0-U0-G0	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	
	T2U	Lumens	640	1,246	2,138	3,034	4,292	5,541	3,486	5,286	6,901	8,634	10,653	
		Lumens per Watt	133	134	126	119	111	102	132	126	119	113	102	
		BUG Rating	B0-U0-G0	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	
	T3	Lumens	637	1,241	2,130	3,023	4,276	5,520	3,473	5,266	6,875	8,601	10,613	
		Lumens per Watt	133	133	125	118	110	101	131	126	118	113	101	
		BUG Rating	B0-U0-G0	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	
	T4W	Lumens	618	1,203	2,066	2,932	4,147	5,353	3,368	5,107	6,667	8,341	10,293	
		Lumens per Watt	129	129	122	115	107	98	127	122	115	109	98	
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	
	70 CRI 2700K CCT	T1	Lumens	744	1,449	2,487	3,529	4,992	6,445	4,055	6,148	8,026	10,042	12,391
			Lumens per Watt	155	156	146	138	129	118	153	147	138	132	118
			BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
T2R		Lumens	717	1,395	2,395	3,399	4,808	6,207	3,905	5,921	7,731	9,672	11,934	
		Lumens per Watt	149	150	141	133	124	114	147	142	133	127	114	
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	
T2U		Lumens	709	1,381	2,370	3,363	4,757	6,142	3,864	5,859	7,649	9,570	11,808	
		Lumens per Watt	148	148	139	131	123	113	146	140	131	126	113	
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	
T3		Lumens	707	1,375	2,361	3,350	4,739	6,118	3,849	5,837	7,620	9,533	11,763	
		Lumens per Watt	147	148	139	131	122	112	145	140	131	125	112	
		BUG Rating	B0-U0-G0	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	
T4W		Lumens	685	1,334	2,290	3,249	4,596	5,934	3,733	5,661	7,390	9,246	11,409	
		Lumens per Watt	143	143	135	127	119	109	141	135	127	121	109	
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	

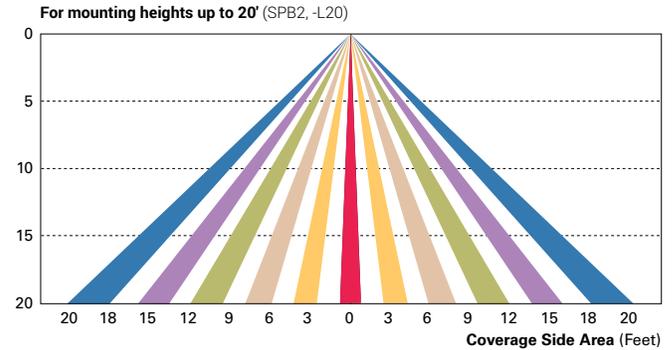
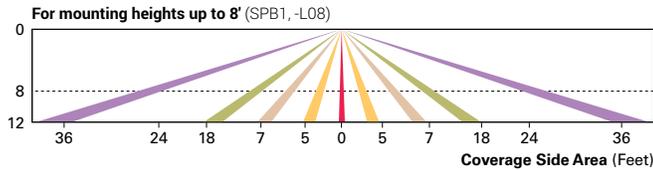
Number of Light Squares		1 Square (PB1)						2 Squares (PB2)						
Output Level		A	B	C	D	E	F	A	B	C	D	E		
Drive Current		180mA	300mA	520mA	740mA	1100mA	1500mA	800mA	1250mA	1700mA	1130mA	1500mA		
Nominal Power (Watts)		6	9	17	25	38	54	26	41	57	78	107		
Input Current @ 120V (A)		0.040	0.079	0.145	0.218	0.328	0.465	0.224	0.353	0.494	0.640	0.875		
Input Current @ 208V (A)		0.025	0.048	0.085	0.127	0.189	0.264	0.131	0.203	0.280	0.367	0.498		
Input Current @ 240V (A)		0.023	0.044	0.075	0.112	0.165	0.230	0.115	0.176	0.243	0.320	0.432		
Input Current @ 277V (A)		0.021	0.041	0.067	0.099	0.144	0.200	0.102	0.154	0.212	0.280	0.375		
Input Current @ 347V (A)		n/a	n/a	0.056	0.076	0.112	0.156	0.079	0.121	0.166	0.219	0.300		
Input Current @ 480V (A)		n/a	n/a	0.045	0.058	0.083	0.114	0.060	0.089	0.121	0.160	0.217		
CCT/ CRI	Optics	PB1A	PB1B	PB1C	PB1D	PB1E	PB1F	PB2A	PB2B	PB2C	PB2D	PB2E		
70 CRI 3000K CCT	T1	Lumens	760	1,480	2,541	3,606	5,100	6,585	4,143	6,282	8,201	10,260	12,660	
		Lumens per Watt	158	159	149	141	132	121	156	150	141	135	121	
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	
	T2R	Lumens	732	1,426	2,447	3,473	4,912	6,342	3,990	6,050	7,899	9,882	12,194	
		Lumens per Watt	153	153	144	136	127	116	151	145	136	130	116	
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	
	T2U	Lumens	725	1,411	2,422	3,436	4,861	6,275	3,948	5,986	7,815	9,778	12,065	
		Lumens per Watt	151	152	142	134	126	115	149	143	134	128	115	
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	
	T3	Lumens	722	1,405	2,412	3,423	4,842	6,251	3,933	5,964	7,786	9,741	12,019	
		Lumens per Watt	150	151	142	134	125	115	148	143	134	128	115	
		BUG Rating	B0-U0-G0	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
	T4W	Lumens	700	1,363	2,340	3,320	4,696	6,063	3,814	5,784	7,551	9,447	11,657	
		Lumens per Watt	146	147	138	130	121	111	144	138	130	124	111	
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2
	70 CRI 4000K 5000K CCT	T1	Lumens	809	1,575	2,703	3,836	5,426	7,005	4,407	6,683	8,724	10,915	13,468
			Lumens per Watt	169	169	159	150	140	129	166	160	150	143	129
			BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
T2R		Lumens	779	1,517	2,604	3,695	5,226	6,747	4,245	6,436	8,403	10,513	12,972	
		Lumens per Watt	162	163	153	144	135	124	160	154	144	138	124	
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	
T2U		Lumens	771	1,501	2,576	3,656	5,171	6,676	4,200	6,368	8,314	10,402	12,835	
		Lumens per Watt	161	161	152	143	134	122	158	152	143	137	123	
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	
T3		Lumens	768	1,495	2,566	3,642	5,151	6,650	4,184	6,344	8,283	10,362	12,786	
		Lumens per Watt	160	161	151	142	133	122	158	152	142	136	122	
		BUG Rating	B0-U0-G0	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2
T4W		Lumens	745	1,450	2,489	3,532	4,996	6,450	4,058	6,153	8,033	10,050	12,401	
		Lumens per Watt	155	156	146	138	129	118	153	147	138	132	118	
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2

Control Options

0-10V This fixture is offered standard with 0-10V dimming driver(s). Standard with 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC) Optional button-type photocontrol (BPC) provides a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.



WaveLinx Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinx Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Lite mobile application for set-up and configuration. WAC not required. The out-of-box functionality is ON at dusk and OFF at dawn.

