

Village of



Germantown

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

08/14/2024 11:19AM Teesa
000685-0002
Payment Effective Date 08/14/2024

MISCELLANEOUS

PLAN COMMISSION REVIEW	
FEEES (GENPLN)	
2024 Item: GENPLN	
1 @ \$825.0000	
PLAN COMMISSION	
REVIEW FEEES (GENPLN)	\$825.00

	\$825.00
Subtotal	\$825.00
Total	\$825.00
CHECK	\$825.00
Check Number 035014	

Change due	\$0.00

Thank you for your payment

Village of Germantown COPY
DUPLICATE RECEIPT

August 8, 2024

CrossWay Church
Building Addition & Renovations

Narrative of Design Intent:

CrossWay Church is a faith community that has been in Germantown since 1987. They also have locations in Sussex and Milwaukee's North Shore. The church is proposing an addition to better connect the east and west wings of their building where the children's ministry occurs. This addition will provide a new entry, a larger check-in area, an additional classroom for toddlers, an elevator to make traversing to the lower level easier and some storage space. This is not a change in use. It is an expansion of existing space within the existing building footprint.

The new addition will not increase pedestrian or parking traffic to the building as the use already exists in the building. By creating a separate entry for children's ministry, the flow of traffic will be improved.

Interior renovations will also occur in phases. The church is working with Building Service, Inc (BSI) to update the lower level and first floor children's classroom space, and their administrative offices. These renovations are mostly cosmetic in nature but do include some reconfiguration of spaces.

The hours of operation for the church office are Monday-Thursday 8:30am-4:30pm. There are Wednesday evening activities for the middle and high school students from 6:00pm-8:00pm. Services are Saturdays at 4:30pm and Sunday at 9:00am and 10:45am. The number of employees is currently 41. This is a mix of full-time and part-time employees at all campuses.

209 south water street milwaukee, wisconsin 53204 414 359 3060
2310 crossroads drive suite 2000 madison, wisconsin 53718 608 240 9900
1970 main street suite 201 sarasota, florida 34236 941 444 8845
311 canyon wren drive buda, texas 78610 512 649 5627

addressing tomorrow, today | www.prarch.com

Partners: Kevin Broich, Michael Brush, Gregg Golden, Jedd Heap, John Holz, Devin Kack,
Nicholas Kent, Steven Kieckhafer, Scott Kramer, Jason Puestow, Larry Schneider, Michael Sobczak



To: Village of Germantown Plan Commission
From: Brian Kehrli, P.E.
Subject: CrossWay Church Building Improvements
Date: August 12, 2024

Village Officials and Plan Commission Members,

Crossway Church, located at W156N10041 Pilgrim Road in Germantown, WI is planning to complete a small addition and building remodel project to their original 1986 building. The work includes building and site demolition, building addition and remodeling and replacing existing sidewalk to the existing parking lot. This is a separate submittal from the parking lot addition and driveway work that was submitted in June 2024.

Building Work:

Portions of the 1986 original building will be removed and minor additions will be completed. The breezeway/connection between the 1986 building and 1996 addition will be removed and replaced with a few rooms. The original entrance to the 1986 addition and sidewalk will be removed. The existing sidewalk connecting to the parking lot will be removed and replaced. and roadway connection to the north to Sante Fe Drive, and a reconstruction of the existing entrances along Pilgrim Drive. These improvements will require changes to the existing storm water system by expanding the north pond so that the improvements meet performance standards.

A total of 3,250 sf of building and existing sidewalk will be removed and replaced with 3,250 sf of building and sidewalk, so essentially no increase in impervious area. The approximate disturbed area is 7,500 sf total. The north side of the addition will be inline with the 1996 addition or approximately 23.7 feet off the north property line, outside of the 20 foot side yard building setback.

- Grading and spot elevations are included in the plans.
- Erosion control is minimal with the project and shown in the plans.
- Storm water management is N/A. No changes associate with the building project.
- Utilities: There will be no changes to utilities except the removal of one light pole adjacent to the new entrance.
- Setbacks are shown in the plans.
- There are no changes to the parking lot or entrances associated with this portion of the project.
- Lot coverage won't change with the project'

CROSSWAY CHURCH

INTERIOR RENOVATION & ADDITION



209 south water street, milwaukee, wisconsin 53204 t 414 359 3060
 2310 crossroads drive, suite 2000, madison, wisconsin 53718 t 608 240 9900
 1970 main street, suite 201, sarasota, florida 34236 t 941 444 8845
 311 canyon wren drive, buda, texas 78610 t 512 649 5627

W156 N10041 PILGRIM ROAD, GERMANTOWN, WI 53022

SHEET INDEX

GENERAL

000 TITLE SHEET

CIVIL

C101 EXISTING SITE PLAN
 C201 DEMOLITION PLAN
 C202 PROPOSED SITE & GRADING PLAN

LANDSCAPE

ARCHITECTURAL

A051 LIFE SAFETY PLANS
 A100 DEMOLITION PLANS
 A200 FLOOR PLANS
 A220 ROOF PLANS
 A300 REFLECTED CEILING PLANS
 A400 EXTERIOR ELEVATIONS
 A500 BUILDING SECTIONS
 A501 WALL SECTIONS
 A700 STAIR / RAMP / ELEVATOR PLANS / SECTIONS
 A800 INTERIOR ELEVATIONS
 A891 DOOR SCHEDULE, DOOR TYPES, AND FRAME ELEVATIONS

STRUCTURAL

S001 STRUCTURAL NOTES
 S100 FOUNDATION PLAN
 S200 ROOF FRAMING PLAN
 S800 FOUNDATION DETAILS
 S810 FRAMING DETAILS

FIRE PROTECTION

PLUMBING

MECHANICAL

H001 SCHEDULES
 H100 DEMOLITION FLOOR PLANS
 H200 DUCTWORK FLOOR PLANS
 H220 ROOF PLAN
 H230 PLENUM PLAN
 H300 PIPING FLOOR PLANS
 H500 DETAILS

ELECTRICAL

E000 ELECTRICAL SYMBOLS AND ABBREVIATIONS
 E100 DEMOLITION PLANS - ELECTRICAL
 E200 FLOOR PLANS - LIGHTING
 E201 FLOOR PLANS - POWER
 E400 DETAILS
 E401 DETAILS

PROJECT INFORMATION

PROJECT DATE: 08/12/2024
 PRA PROJECT NUMBER: 230149-02
 DRAWING SET: PLAN COMMISSION

APPLICABLE CODES AND ZONING

2018 WISCONSIN COMMERCIAL BUILDING CODE (SPS 361-366)
 2015 INTERNATIONAL EXISTING BUILDING CODE
 2015 INTERNATIONAL BUILDING CODE
 ASSEMBLY OCCUPANCY, GROUP A-3

ZONING: VILLAGE OF GERMANTOWN ORDINANCES

ZONING DISTRICT: INSTITUTIONAL
 ADJACENT ZONING DISTRICTS: RS-4, RS-6, RD-2 AND I
 PROPOSED USE: CHURCH

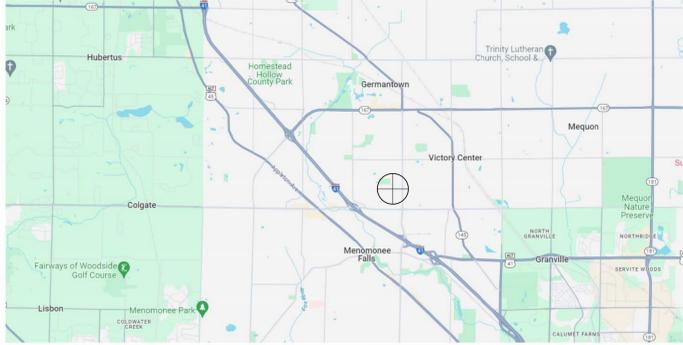
CONSTRUCTION CLASSIFICATION

ADDITION AND LEVEL II ALTERATIONS
 TYPE OF CONSTRUCTION, UNPROTECTED, TYPE VB - SPRINKLERED

BUILDING AREA

OVERALL FOOTPRINT	14,479 SF
EXISTING	
LOWER LEVEL	5,850 SF
FIRST FLOOR	12,138 SF
EXISTING TOTAL	17,988 SF
ADDITIONS	
FIRST FLOOR	2,240 SF
ADDITION TOTAL	2,240 SF
BUILDING TOTAL	20,228
ALTERATIONS	
LOWER LEVEL	
LEVEL 2 ALTERATION	173 SF
FIRST FLOOR	
LEVEL 2 ALTERATION	298 SF
ALTERATION TOTAL	471 SF

PROJECT LOCATION



PROJECT TEAM

CIVIL
 MSA PROFESSIONAL SERVICES TEL(414) 296-4333

LANDSCAPE
 TEAM MEMBER NAME TEL(414) 555-1234
 FAX (OR DELETE)

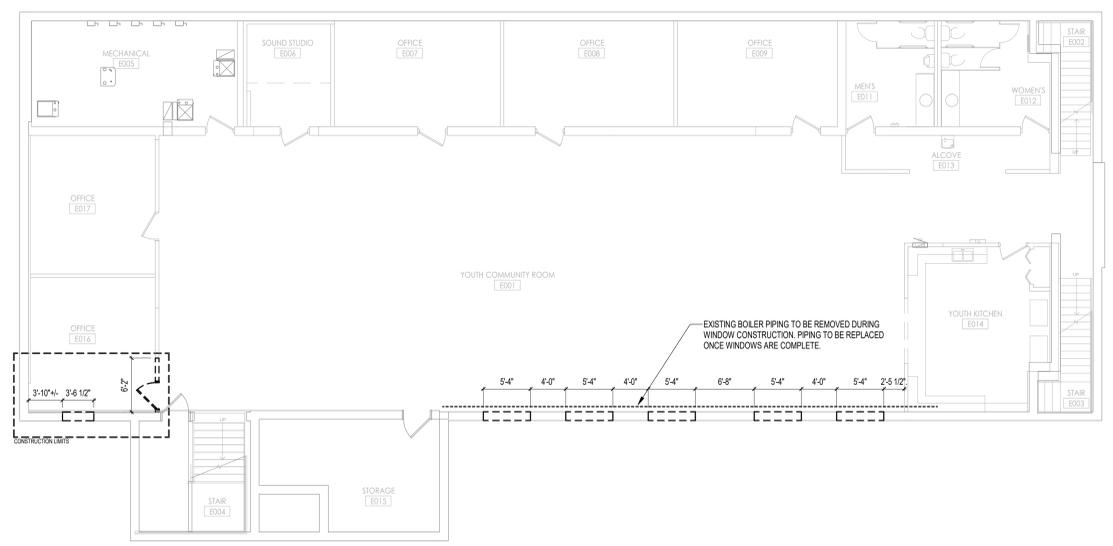
STRUCTURAL
 raSMITH TEL(262) 781-1000

FIRE PROTECTION
 MSA PROFESSIONAL SERVICES TEL(414) 296-4333

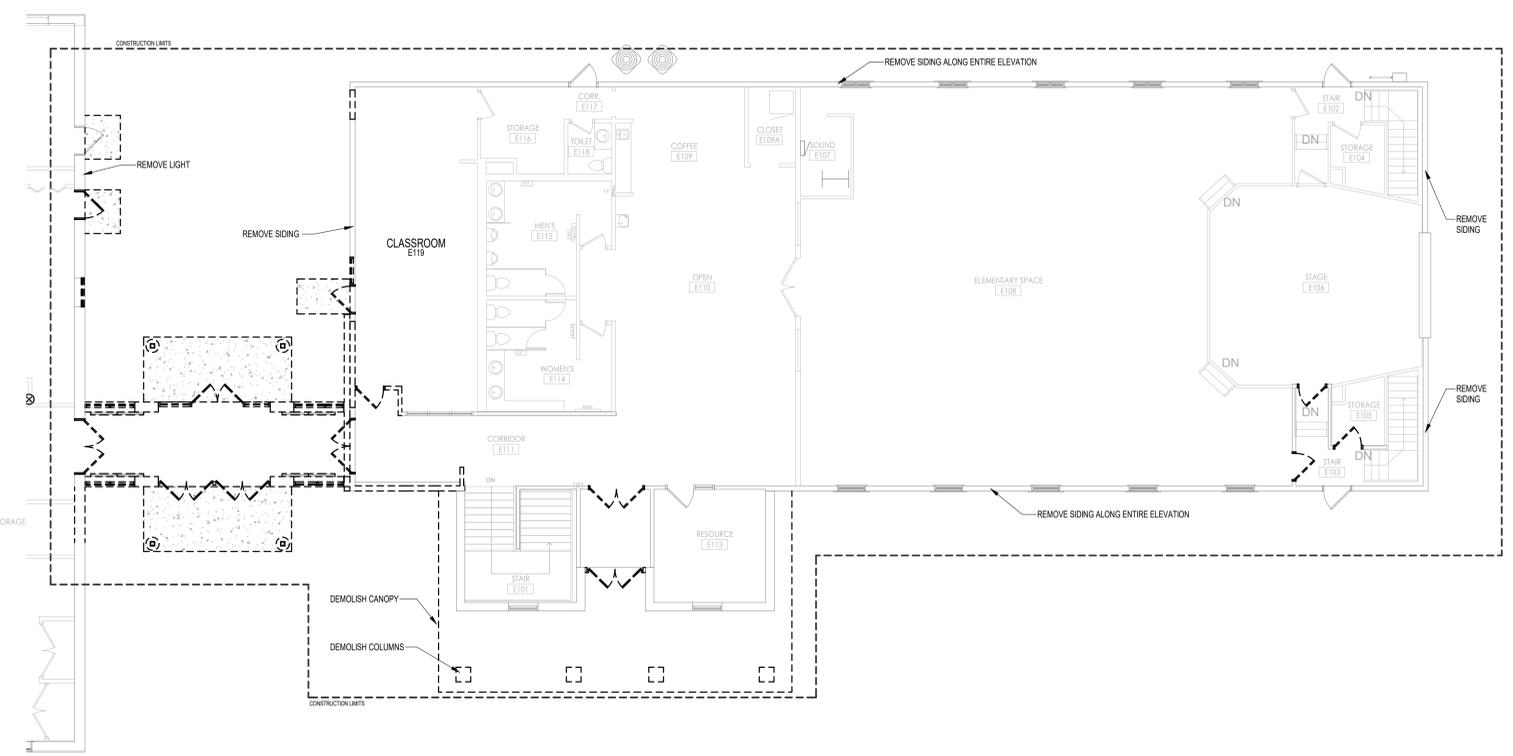
MECHANICAL
 MSA PROFESSIONAL SERVICES TEL(414) 296-4333

ELECTRICAL
 MSA PROFESSIONAL SERVICES TEL(414) 296-4333





LOWER LEVEL DEMOLITION PLAN
1/8" = 1'-0"



FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

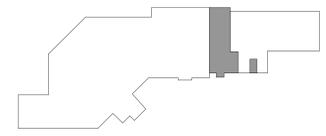
DEMOLITION PLAN - SYMBOLS LEGEND

—	EXISTING WALLS TO REMAIN	—	EXISTING ITEM TO REMAIN
----	EXISTING WALLS TO BE REMOVED	-----	EXISTING ITEM TO BE REMOVED
—	EXISTING DOOR TO REMAIN	(X)	DEMOLITION PLAN KEYNOTE
—	EXISTING DOOR TO BE REMOVED	---	CONSTRUCTION LIMITS
		■	BEARING WALLS - FIELD VERIFY.

- DEMOLITION PLAN - GENERAL NOTES**
- A. VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE. PORTIONS OF EXISTING CONSTRUCTION MAY HAVE BEEN REMOVED BY OWNER.
 - B. VERIFY EXACT COMPOSITION OF EXISTING WALLS TO BE REMOVED.
 - C. REMOVE FLOOR FINISHES, INCLUDING SETTING BED IN CERAMIC TILE AREAS, WHERE NEW FLOORING IS INDICATED IN ROOM FINISH SCHEDULE.
 - D. REMOVE SUSPENDED CEILINGS AND RELATED HANGERS, OR GYPSUM BOARD/ PLASTER CEILINGS WHERE NEW CEILINGS ARE INDICATED ON REFLECTED CEILING PLAN OR ROOM FINISH SCHEDULE.
 - E. REMOVE ALL COLUMN FINISHES, INCLUDING GYPSUM BOARD AND FURRINGS, FROM EXISTING STRUCTURAL COLUMNS.
 - F. REMOVE ALL INTERIOR AND WALL MOUNTED ITEMS IN AREAS TO BE REMODELED (REFER TO ROOM FINISH SCHEDULE) INCLUDING BUT NOT LIMITED TO, WALL AND CEILING TRIM, BASE.
 - G. REFER TO PLUMBING, HVAC AND ELECTRICAL PLANS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES. COORDINATE WORK WITH PLUMBING, HVAC AND ELECTRICAL REQUIREMENTS.
 - H. COORDINATE DEMOLITION OF LOAD BEARING WALLS WITH STRUCTURAL PLANS.
 - I. MAINTAIN CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. COORDINATE WITH OWNER ANY DISRUPTION IN SERVICES REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING PIPING, DUCTWORK OR ANY ASSOCIATED EQUIPMENT.
 - J. CONSTRUCT A DUST-PROOF PARTITION TO SEPARATE AREAS OF CONSTRUCTION FROM ADJACENT OCCUPIED AREAS OUTSIDE SCOPE OF CONSTRUCTION. REFER TO DETAIL.

DEMOLITION PLAN NOTES

MARK	DESCRIPTION



KEY PLAN

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PLAN COMMISSION
DATE: 08/12/2024
JOB NO: 230149-02
SHEET NO:

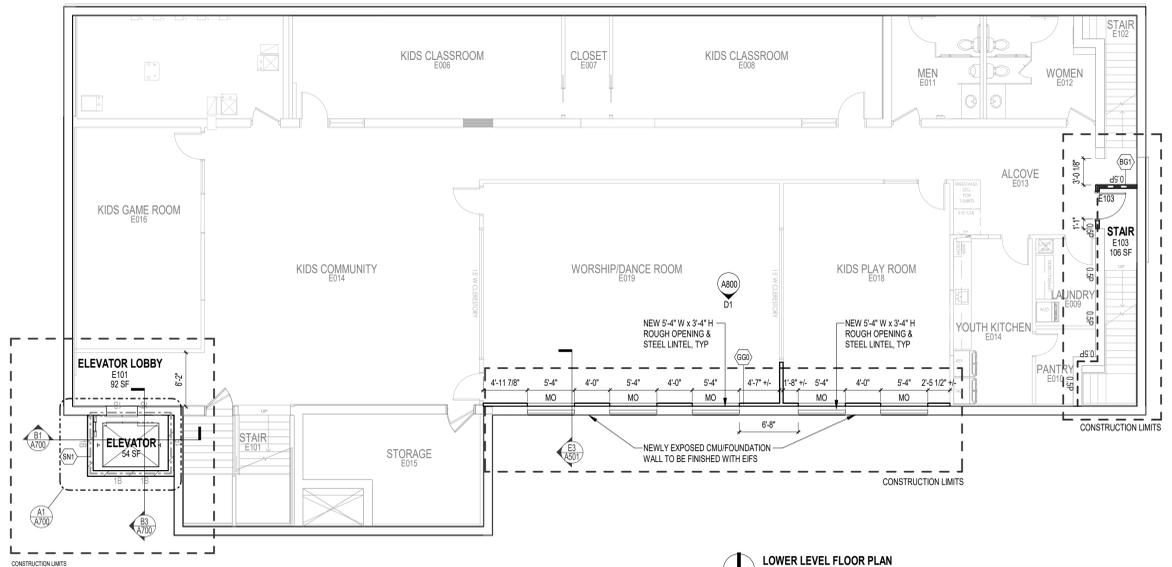
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**CROSSWAY CHURCH
INTERIOR RENOVATION & ADDITION**
W/156 N10041 PILGRIM ROAD, GERMAN TOWN, WI 53022

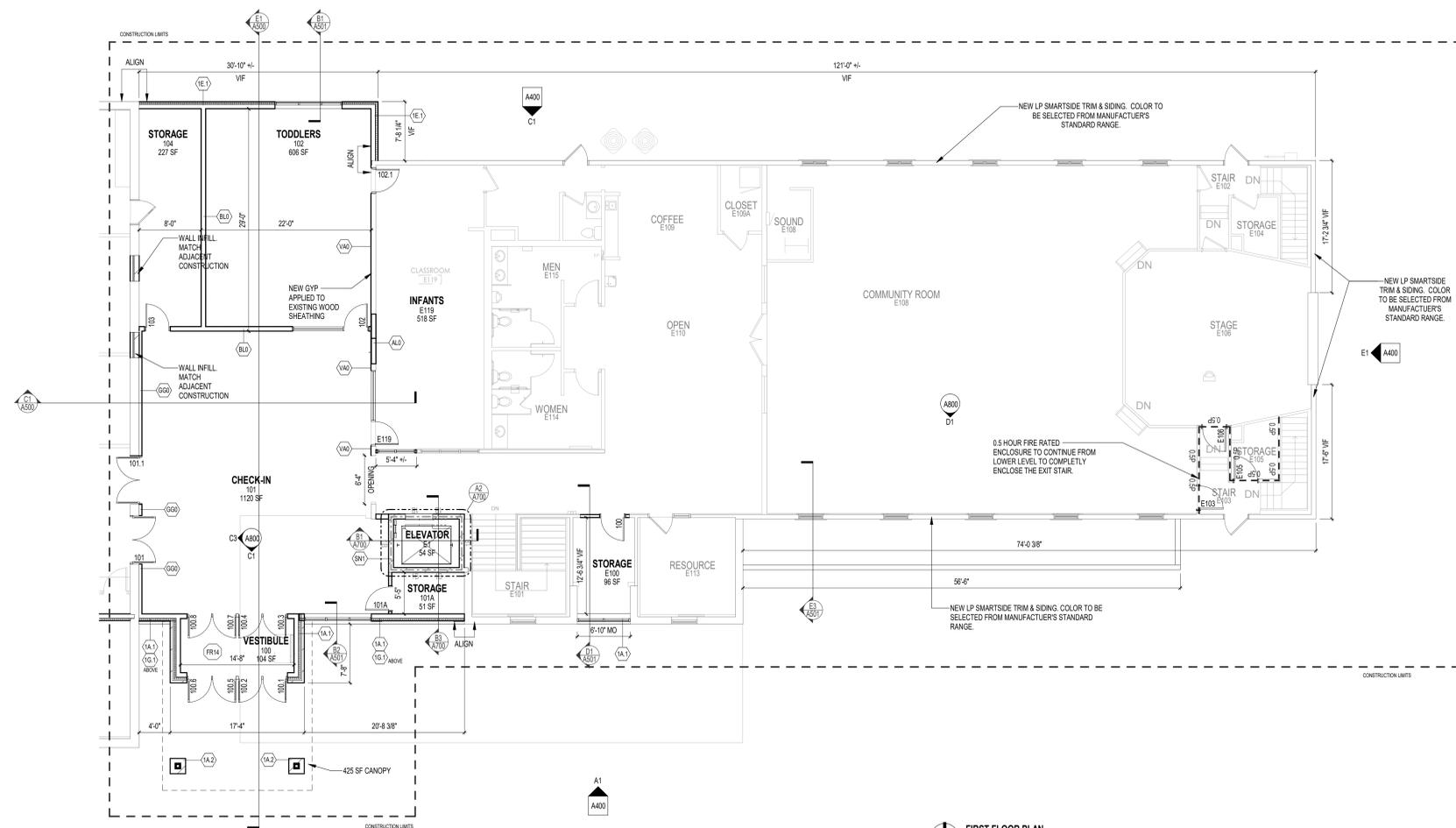
DEMOLITION PLANS

1430 S. 10th St., Milwaukee, WI 53204
1509 N. 2nd St., Madison, WI 53703
1979 Main Street, Suite 201, Wausau, WI 54980
311 Camp Street, Suite 200, Green Bay, WI 54303

prad
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LOWER LEVEL FLOOR PLAN
1/8" = 1'-0"



FIRST FLOOR PLAN
1/8" = 1'-0"

FLOOR PLAN SYMBOLS LEGEND

	EXISTING WALLS TO REMAIN		NEW WALL/PARTITION
	EXISTING DOOR TO REMAIN		NEW DOOR
	SECTION REFERENCE		EXISTING DOOR RECEIVING NEW WORK - REFER TO DOOR SCHEDULE
	EXTERIOR ELEVATION		DETAIL REFERENCE
	INTERIOR ELEVATION		WINDOW TYPE
	FLOOR PLAN NOTE		WALL/PARTITION TYPE
	CONSTRUCTION LIMITS		SEMI-RECESSED FIRE EXTINGUISHER
	30 MINUTE RATED FIRE PARTITION		
	ONE HOUR RATED FIRE BARRIER		

- FLOOR PLAN GENERAL NOTES**
- DIMENSIONS ON FLOOR PLAN ARE BASED ON FACE OF FINISHED WALL TO FACE OF FINISHED WALL (NOMINAL).
 - VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE. PORTIONS OF EXISTING CONSTRUCTION MAY HAVE BEEN REMOVED BY OWNER.
 - PLUMBING FIXTURES ARE SHOWN FOR REFERENCE ONLY. REFER TO PLUMBING DRAWINGS FOR SPECIFIC FIXTURE TYPE AND SIZES.
 - MAINTAIN CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. COORDINATE WITH OWNER ANY DISRUPTION IN SERVICES REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING PIPING, DUCTWORK OR ANY ASSOCIATED EQUIPMENT.
 - CONTRACTOR TO VERIFY FLOOR TO FLOOR HEIGHTS.
- GYPSON BOARD PARTITIONS GENERAL NOTES**
- ALL GYPSON BOARD PARTITIONS SHALL BE (G00) UNLESS OTHERWISE NOTED ON FLOOR PLAN.
 - GYPSON BOARD PARTITION DIMENSIONS ON FLOOR PLAN ARE BASED ON FACE OF FINISHED PARTITION TO FACE OF FINISHED PARTITION (NOMINAL).
 - REFER TO GYPSON BOARD SPECIFICATION FOR LOCATION AND TYPE(S) OF GYPSON BOARD MATERIAL REQUIRED.
 - PROVIDE FIRE RATED GYPSON BOARD AT ALL FIRE RATED PARTITIONS.
 - SEAL ALL WALL PENETRATIONS AT PERIMETER AND FIRESTOP ALL FIRE RATED PARTITIONS.
 - EXTEND ALL GYPSON BOARD PARTITIONS FULL HEIGHT TO UNDERSIDE OF STEEL DECK ABOVE (OR PRECAST PLANK ABOVE IF APPLICABLE). REFER TO DETAIL -1- FOR HORIZONTAL MASONRY JOINT REINFORCEMENT AT 1" OC VERTICALLY. REFER TO STRUCTURAL DRAWINGS FOR VERTICAL REINFORCEMENT REQUIREMENTS.
- MASONRY PARTITIONS GENERAL NOTES**
- MASONRY PARTITIONS INDICATED WITH THE FOLLOWING HATCH PATTERN:
 - ALL MASONRY PARTITIONS SHALL BE 8" CONCRETE BLOCK UNLESS OTHERWISE NOTED OR DIMENSIONED. REFER TO FLOOR PLAN FOR PARTITION THICKNESS.
 - PROVIDE UL RATED CONCRETE BLOCK AT ALL FIRE RATED PARTITIONS.
 - SEAL ALL WALL PENETRATIONS AT PERIMETER AND FIRESTOP ALL RATED PARTITIONS.
 - EXTEND CONCRETE BLOCK PARTITIONS FULL HEIGHT TO UNDERSIDE OF STEEL DECK ABOVE (OR PRECAST PLANK ABOVE IF APPLICABLE). REFER TO DETAIL -1- FOR HORIZONTAL MASONRY JOINT REINFORCEMENT AT 1" OC VERTICALLY. REFER TO STRUCTURAL DRAWINGS FOR VERTICAL REINFORCEMENT REQUIREMENTS.

EXTERIOR WALL TYPES

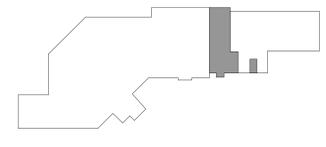
MARK	ASSEMBLY DESCRIPTION
EA1	MASONRY VENEER STUD WALL CONSISTING OF 4" SPLIT FACE CMU, AIR SPACE, 3" RIGID INSULATION, SPRAY APPLIED AIR AND VAPOR BARRIER SYSTEM ON 5/8" EXTERIOR GYPSON SHEATHING, 6" GALVANIZED COLD FORMED STEEL STUDS @ 16" OC AND ONE LAYER 5/8" GYPSON BOARD AT INTERIOR FACE. PROVIDE ADJUSTABLE MASONRY VENEER ANCHORS @ 16" OC EACH WAY, CAVITY DRAINAGE MATERIAL, FLASHING, MASONRY EXPANSION AND CONTROL JOINTS. PROVIDE CAVITY WEEPSVENTS @ 24" OC. COMPARTMENTALIZE THE CAVITY AND PROVIDE CAVITY WEEPSVENTS AT TOP/BOTTOM OF CAVITY. REFER TO DETAIL XX0000.
EA2	MASONRY VENEER WALL CONSISTING OF 8" SPLIT FACE CMU, PROVIDE CAVITY DRAINAGE MATERIAL, FLASHING, MASONRY EXPANSION AND CONTROL JOINTS. PROVIDE CAVITY WEEPSVENTS @ 24" OC. COMPARTMENTALIZE THE CAVITY AND PROVIDE CAVITY WEEPSVENTS AT TOP/BOTTOM OF CAVITY. REFER TO DETAIL XX0000.
EE1	SIDING CLAD WALL CONSISTING OF WOOD COMPOSITE LAP SIDING, WEATHER BARRIER/RAINAGE PLANE, 3" NAUL BASE INSULATION, SPRAY APPLIED AIR AND VAPOR BARRIER SYSTEM ON 5/8" EXTERIOR GYPSON SHEATHING, 6" GALVANIZED COLD FORMED STEEL STUDS @ 16" OC AND ONE LAYER 5/8" GYPSON BOARD AT INTERIOR FACE.
EG1	EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) STUD WALL CONSISTING OF X" INSULATION, EIFS MANUFACTURER'S RECOMMENDED AIR/VAPOR BARRIER SYSTEM ON 5/8" EXTERIOR GYPSON SHEATHING EDIT FOR CEMENT BOARD, 6" GALVANIZED COLD FORMED STEEL STUDS @ 16" OC AND ONE LAYER 5/8" GYPSON BOARD @ INTERIOR FACE.

INTERIOR PARTITION TYPES

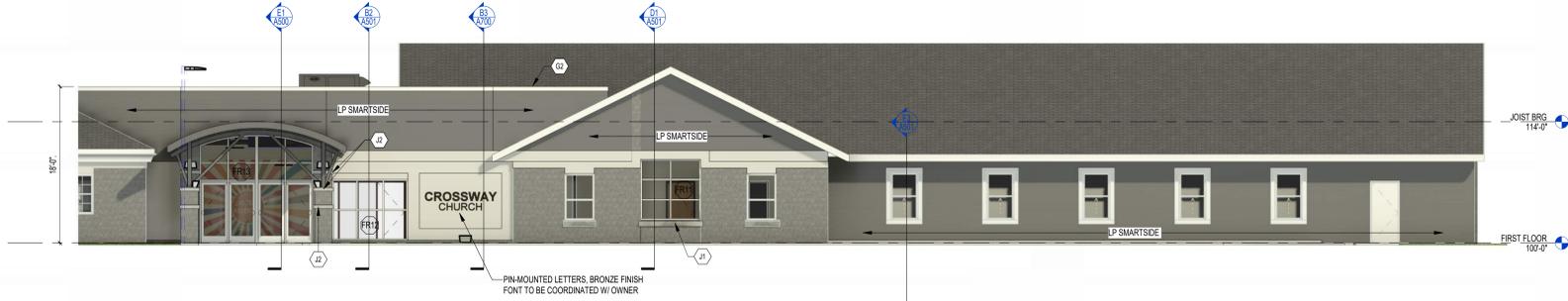
MARK	ASSEMBLY DESCRIPTION	FIRE RATING	UL	INSULATION
AL0	6" STEEL STUDS @ 16" OC ONE LAYER 5/8" GYPSON BOARD @ EACH FACE	-	-	-
BG0	3.5" STEEL STUDS @ 16" OC ONE LAYER 5/8" GYPSON BOARD @ EACH FACE	-	-	3-1/2" SOUND
BG1	3.5" STEEL STUDS @ 16" OC ONE LAYER 5/8" GYPSON BOARD @ EACH FACE	1 HR	U419	3" MINERAL WOOL BATT
BL0	6" STEEL STUDS @ 16" OC ONE LAYER 5/8" GYPSON BOARD @ EACH FACE	-	-	FULL WIDTH SOUND
BG2	3.5" STEEL STUDS @ 16" OC ONE LAYER 5/8" GYPSON BOARD	-	-	-
SM1	8" CONCRETE MASONRY UNITS	1 HR	-	-
VA0	ONE LAYER DIRECT BONDED 5/8" GYPSON BOARD	-	-	-

FLOOR PLAN NOTES

MARK	DESCRIPTION



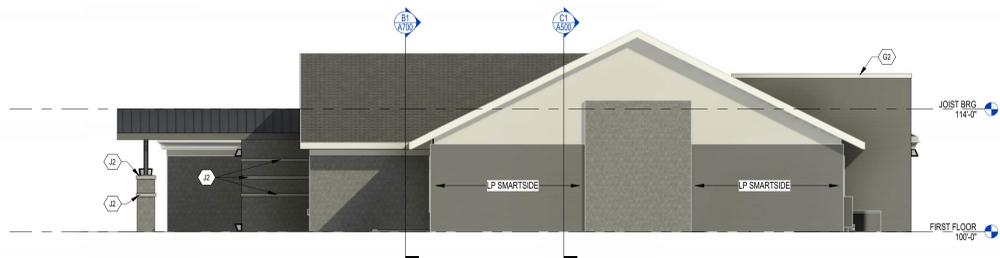
KEY PLAN



A1 SOUTH ELEVATION
 1/8" = 1'-0"
 0 2 4 8 16
 SCALE: 1/8" = 1'-0"



C1 NORTH ELEVATION
 1/8" = 1'-0"
 0 2 4 8 16
 SCALE: 1/8" = 1'-0"



E1 EAST ELEVATION
 1/8" = 1'-0"
 0 2 4 8 16
 SCALE: 1/8" = 1'-0"

EXTERIOR ELEVATIONS SYMBOLS LEGEND

	SECTION REFERENCE		DETAIL REFERENCE
	ELEVATION NOTE		WINDOW TYPE
			CONSTRUCTION KEYNOTE

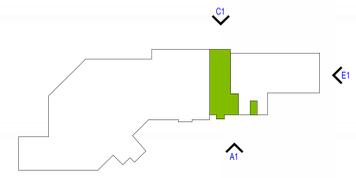
EXTERIOR FINISH PATTERNS

	STANDING SEAM METAL		SIDING
	SPLIT FACE CONCRETE MASONRY UNIT (CMU)		EIFS

- EXTERIOR ELEVATIONS GENERAL NOTES**
- A. PAINT ALL EXPOSED STEEL LINTELS TO MATCH ADJACENT MASONRY COLOR.
 - B. REFER TO SHEET A891 FOR WINDOW FRAME ELEVATIONS.
 - C. SEALANT COLORS TO MATCH ADJACENT FINISHED SURFACES.
 - D. PROVIDE CONTROL JOINTS AS SHOWN ON ELEVATIONS AND AT ALL INSIDE CORNERS.

EXTERIOR ELEVATION NOTES

MARK	DESCRIPTION



KEY PLAN

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PLAN COMMISSION
 DATE: 08/12/2024
 JOB NO: 230149-02
 SHEET NO:
A400

CROSSWAY CHURCH
INTERIOR RENOVATION & ADDITION
 W156 N10041 PILGRIM ROAD, GERMANTOWN, WI 53022

EXTERIOR ELEVATIONS
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pro
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 ARCHITECTS, LLP

2110 crossway drive, suite 2000, madison, wisconsin 53718
 1500 2nd street, 1st floor, madison, wisconsin 53703
 1979 main street, suite 201, waunakee, wisconsin 53190
 311 camp street, 2nd floor, madison, wisconsin 53703

BENCHMARK TABLE				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
CP1	3/4" IRON ROD	102,526.39	383,432.39	895.62
CP2	3/4" IRON ROD	102,492.35	383,159.88	897.81
CP3	3/4" IRON ROD	102,308.51	383,408.95	895.88
CP4	3/4" IRON ROD	102,806.50	383,195.94	897.36
CP5	CUT "X" IN CURB	102,633.21	382,753.67	899.43
BM101	BENCHMARK	102,480.72	383,568.07	896.51
BM102	SECTION MONUMENT	102,464.94	383,554.83	893.89

LOT SUMMARY
 GROSS AREA: 552,663 SQAURE FEET (12.69 AC.)
 IMPERVIOUS AREA (PRE-2024): 185,605 SF (4.26 AC) (33.5%)
 IMPERVIOUS AREA (ADD. PARKING): 236,695 SF (5.50 AC) (43.3%)
 IMPERVIOUS AREA (BLDG ADDITION): 236,695 SF (5.50 AC) (43.3%)

NOTE: THE ADDITIONAL PARKING LOT PROJECT IS A SEPARATE PROJECT AND SUBMITTAL TO THE PLAN COMMISSION.



1511 251 2500
 1508 246 9000
 1511 444 8650
 1512 444 7650

pra
 PLUNKETT RAYSICH
 ARCHITECTS, LLP

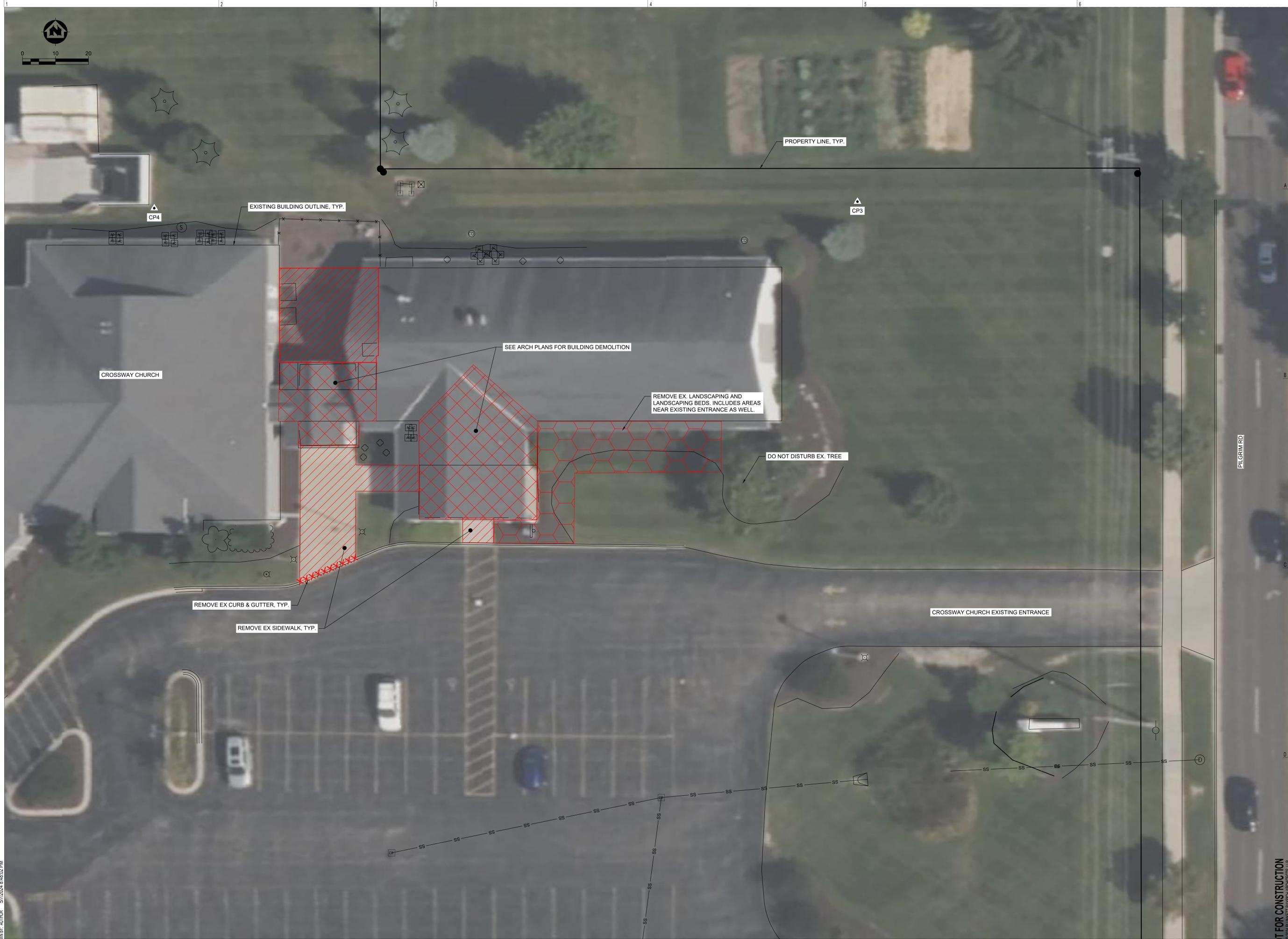
**CROSSWAY CHURCH
 INTERIOR RENOVATION & ADDITION**
 W1155 N10041 PILGRIM ROAD, GERMANTOWN, WI 53022

REVISIONS:
 PLAN COMMISSION
 DATE: 08/12/2024
 JOB NO: 230149-02
 SHEET NO:
 EXISTING SITE PLAN

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C101



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PLAN COMMISSION
DATE: 08/12/2024
JOB NO: 230149-02
SHEET NO:

C201

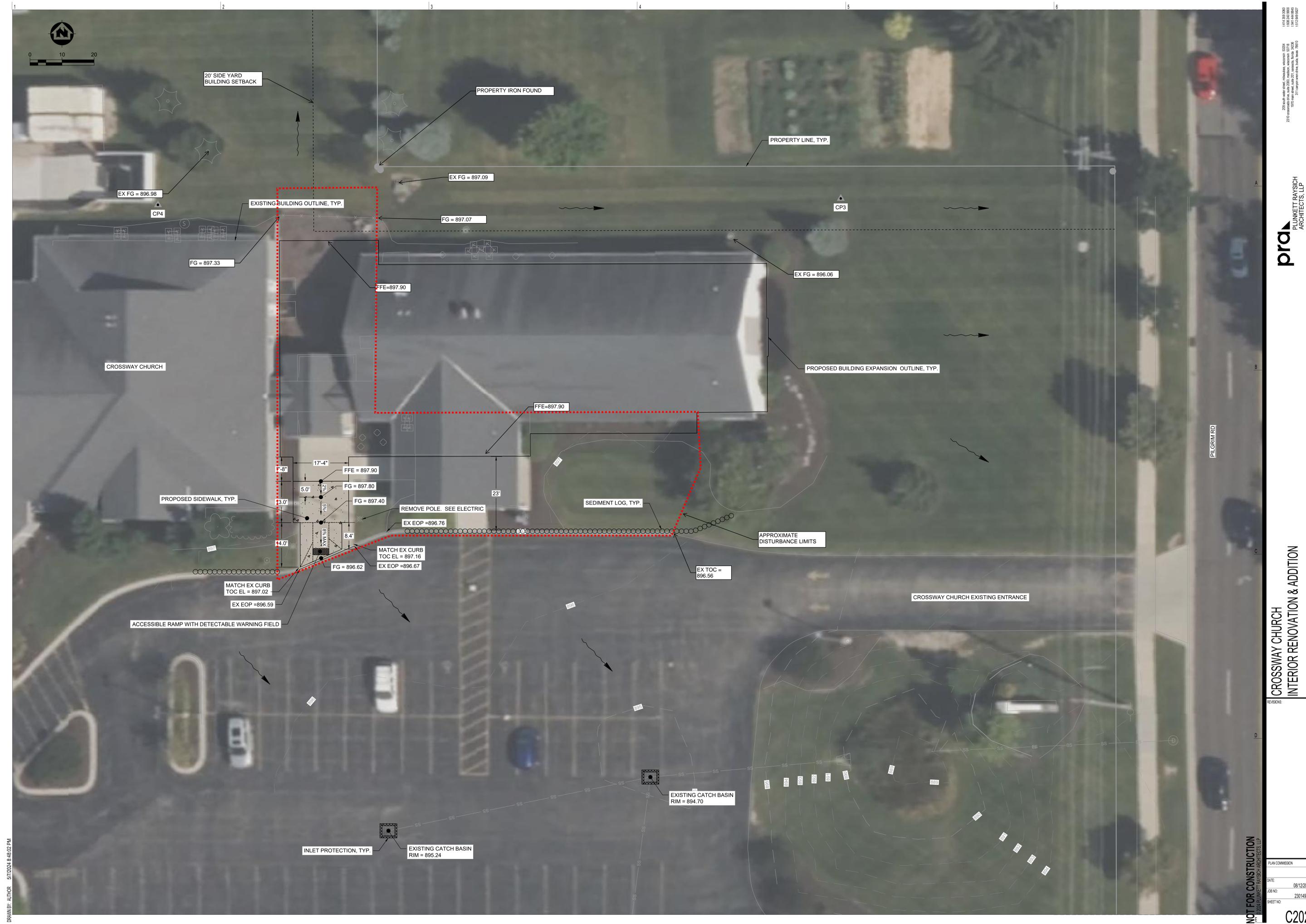
DEMOLITION PLAN

CROSSWAY CHURCH
INTERIOR RENOVATION & ADDITION

W155 N1004 PILGRIM ROAD, GERMANTOWN, WI 53022

prad
PLUNKETT RAYSICH
ARCHITECTS, LLP

200 Park Street, Suite 200, Madison, Wisconsin 53702
2020 Connecticut Ave, Suite 202A, Madison, Wisconsin 53718
1977 Main Street, Suite 201, Wausau, Wisconsin 54980
411 Corporate Center, Suite 200, Wausau, WI 54980



DRAWING AUTHOR: 5/7/2024 8:48:02 PM

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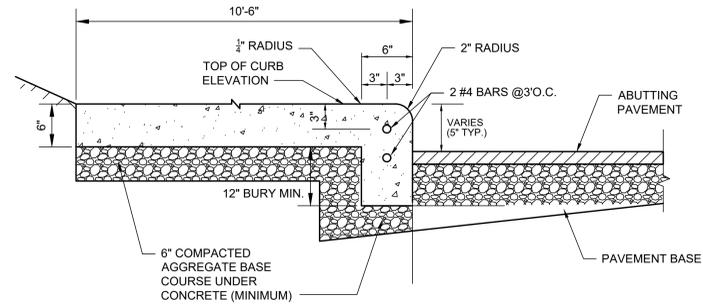
C202

CROSSWAY CHURCH
INTERIOR RENOVATION & ADDITION
W155 N10041 PILGRIM ROAD, GERMANTOWN, WI 53022

PROPOSED SITE & GRADING PLAN

pra
PLUNKETT RAYSICH
ARCHITECTS, LLP

200 Prunella Street, Milwaukee, Wisconsin 53224
2020 Connecticut Ave, Suite 202A, Madison, Wisconsin 53718
1977 Madison Drive, Suite 201, Westfield, Wisconsin 53596
4110 Corporate Center, Suite 200, Westfield, WI 53758
1412 9th Street
1528 24th Street
1941 44th Street
1424 4th Street



TYPE INTEGRAL CURB AND WALK DETAIL
SCALE: NONE

NOT FOR CONSTRUCTION
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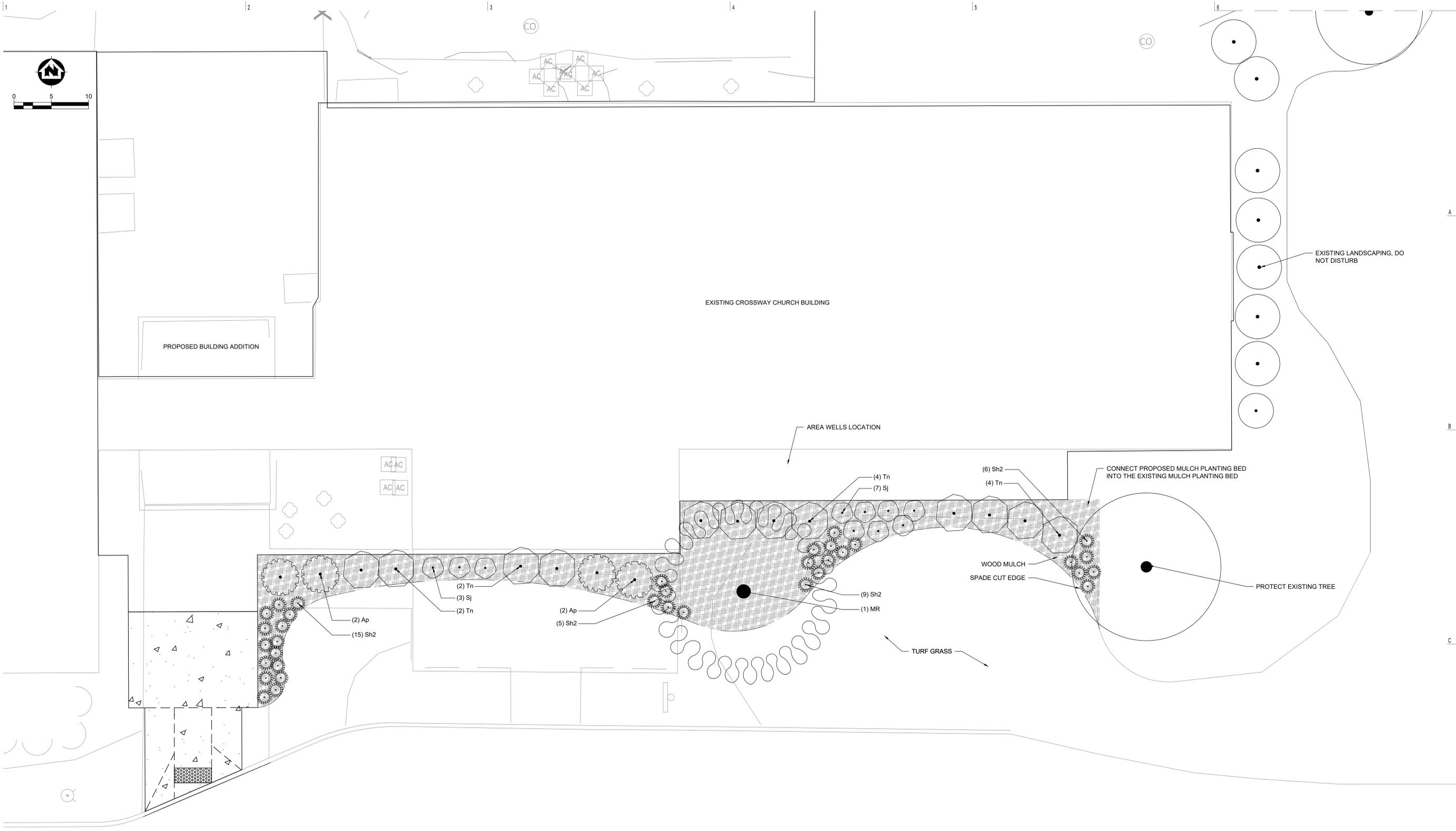
PLAN COMMISSION
DATE: 08/12/2024
JOB NO: 230149-02
SHEET NO:

C501

CROSSWAY CHURCH
INTERIOR RENOVATION & ADDITION
W155 N1004 PILGRIM ROAD, GERMANTOWN, WI 53022

pra
PLUNKETT RAYSICH
ARCHITECTS, LLP

1415 WEST WISCONSIN AVENUE, SUITE 200
MILWAUKEE, WISCONSIN 53233
TEL: 414.448.8500
FAX: 414.448.8501
WWW.PRARCHITECTS.COM



PLANT SCHEDULE							
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	QTY
ORNAMENTAL							
	MR	MALUS X 'ROYAL RAINDROPS'	ROYAL RAINDROPS CRABAPPLE	4' HT.	B&B		2
SHRUBS							
	Ap	AMELANCHIER ALNIFOLIA PUMILA	DWARF SERVICEBERRY	#3 CONT.	CONT.		5
	Sj	SPIRAEA JAPONICA 'NEON FLASH'	NEON FLASH JAPANESE SPIREA	#3 CONT.	CONT.		11
	Tn	TAXUS CUSPIDATA 'NANA'	DWARF JAPANESE YEW	#3 CONT.	CONT.		13
GRASSES							
	Sh2	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	#1 CONT.	CONT.		36
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	QTY
GROUND COVERS							
	Ww	WOOD MULCH	WOOD MULCH	FLAT			875 SF

- PLANTING NOTES:**
- CONTRACTOR SHALL STAKE ALL PROPOSED TREE LOCATIONS PRIOR TO PLANTING. CONTRACTOR SHALL THEN NOTIFY THE FIELD ENGINEER AND OWNER ONCE THE STAKING IS COMPLETE FOR A WALK THROUGH REVIEW OF THE TREE LOCATIONS. FINAL TREE LOCATIONS ARE SUBJECT TO MOVING PER FINAL CONSTRUCTION AND LAYOUT. TREES SHALL BE PLANTED A MINIMUM OF 5' FROM ANY WALK OR PAVED EDGE.
 - ALL PLANT MATERIALS SHALL BE OF MATCHING FORMS AND SIZES WITHIN EACH SPECIES AND SIZE DESIGNATION ON THE DRAWINGS.
 - PLANTS SHALL BE PLACED AS DRAWN. NO SUBSTITUTES SHALL BE MADE WITHOUT PRIOR APPROVAL FROM THE LANDSCAPE ARCHITECT.
 - REMOVE AND DISPOSE OF TURF/SOD AND OTHER EXISTING PLANTS, INCLUDING ESTABLISHED WEEDS PRIOR TO SEEDING.
 - CONTRACTOR SHALL PROTECT ALL EXISTING TREES NOT CALLED OUT FOR REMOVAL.
 - ALL LANDSCAPE PLANTING AREAS ADJOINING TURF TO HAVE SPADE EDGE, UNLESS OTHERWISE NOTED.
 - CONTRACTOR RESPONSIBLE FOR EROSION CONTROL IN ALL SEEDED AREAS. ALL DISTURBED AREAS ARE TO BE PROTECTED WITHIN 24 HOURS. DO NOT DISTURB MORE AREA THAN CAN BE COMPLETED AND PROTECTED WITHIN 24 HOURS.
 - PLANTS AND OTHER MATERIALS ARE QUANTIFIED AND SUMMARIZED FOR THE CONVENIENCE OF BIDDING. CONFIRM AND INSTALL SUFFICIENT QUANTITIES TO COMPLETE THE WORK AS DRAWN. NO ADDITIONAL PAYMENTS WILL BE MADE FOR MATERIALS REQUIRED TO COMPLETE THE WORK AS DRAWN.

DRAWN BY: AUTHOR 5/17/2024 4:48:02 PM

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PLAN COMMISSION
DATE: 08/12/2024
JOB NO: 230149-02
SHEET NO:

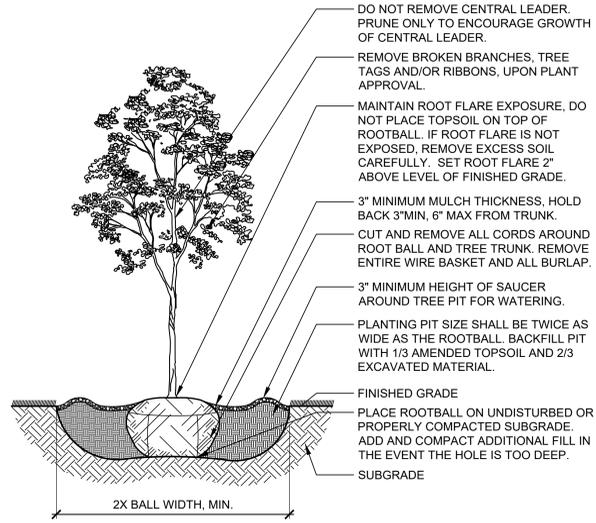
L201

CROSSWAY CHURCH
INTERIOR RENOVATION & ADDITION
W156 N1004 PILGRIM ROAD, GERMANTOWN, WI 53022

pra
PLUNKETT TRAYSICH
ARCHITECTS, LLP

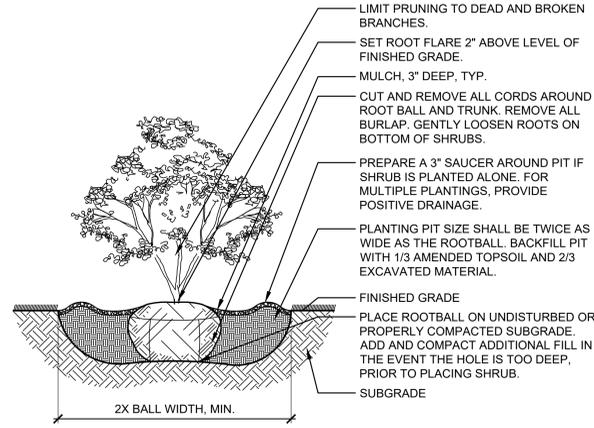
205 South Water Street, Milwaukee, Wisconsin 53204
1414 252 3900
1800 248 8900
2315 Wisconsin Avenue, Suite 200, Madison, Wisconsin 53703
1000 Wisconsin Avenue, Suite 200, Madison, Wisconsin 53703
1515 949 8207

NOTE:
 1. REMOVE AND PROPERLY DISPOSE OF ANY EXCESS EXCAVATED MATERIAL.
 2. WRAP TRUNK WITH APPROVED TREE WRAP UP TO FIRST BRANCH. (FALL PLANTING REQUIREMENT).

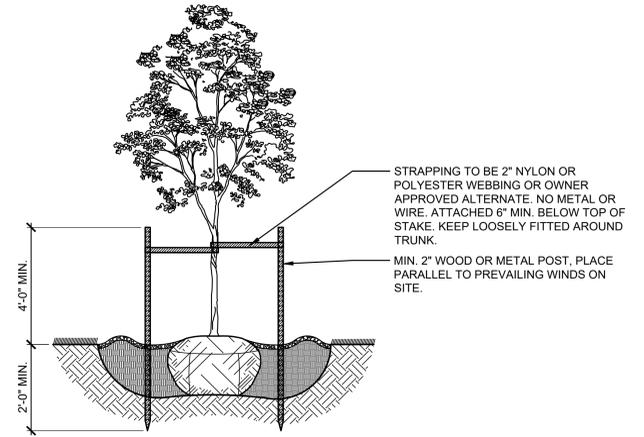


1 DECIDUOUS TREE PLANTING
 L500 NTS

NOTE:
 REMOVE AND PROPERLY DISPOSE OF ANY EXCESS EXCAVATED MATERIAL.

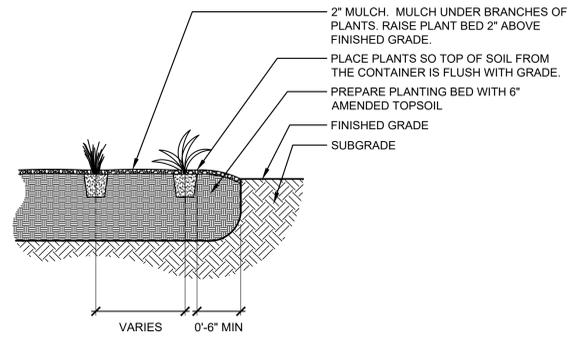


2 SHRUB B&B PLANTING
 L500 NTS



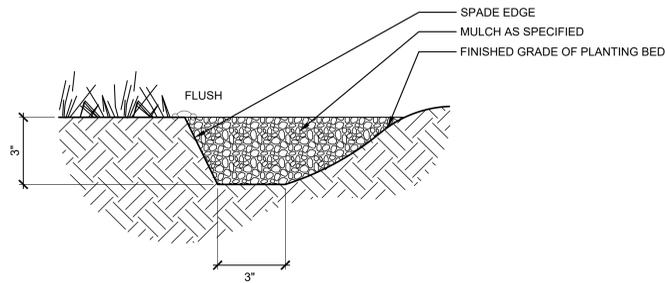
3 DECIDUOUS TREE STAKING
 L500 NTS

NOTE:
 REMOVE AND PROPERLY DISPOSE OF ANY EXCESS EXCAVATED MATERIAL.

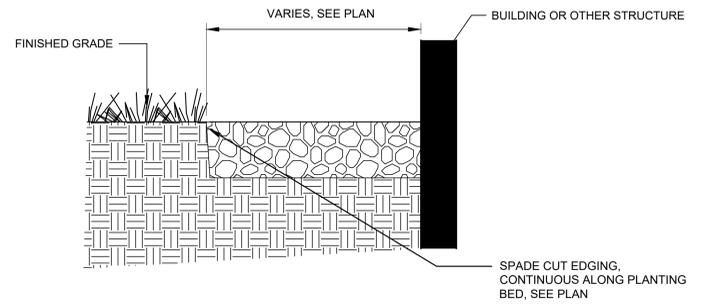


4 PERENNIAL PLANTING
 L500 NTS

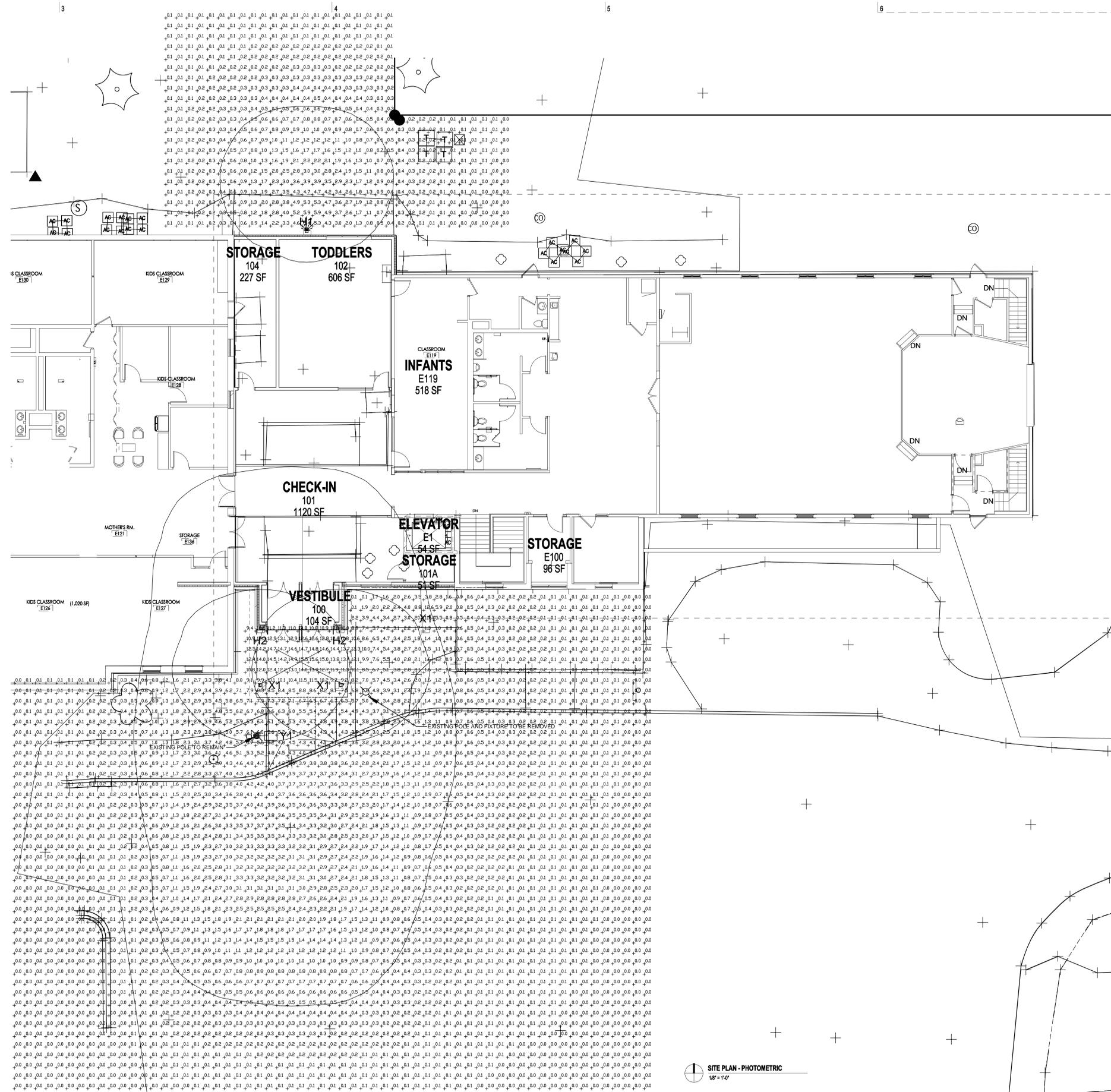
NOTE:
 ALL TEXT SHOULD BE CAPITALIZED AND ALL NOTES AND DIMENSIONS ON LAYER "C-ANNO-NOTE".



5 SPADE CUT EDGE
 L500 NTS



6 MULCH AT STRUCTURE DETAIL
 L500 NTS



CROSSWAY SITE FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMP TYPE	WATTS	MANUFACTURER	CATALOG NUMBER	NOTE
H1	WALL PACK - SWITCHABLE LUMENS 2,300/5,300/8,500 - SET TO LOW	3K/4K/5K	16/36/69	LITHONIA	TWR1 LED AL0 SWWW UVOLT PE DDBD2	
H2	WALL PACK - 2000 LUMENS - BATTERY	4000K LED	17	LITHONIA	ARCL LED P2 40K MVOLT E4WH DDBX2	
X1	FLOOD LIGHT - SWITCHABLE LUMENS 1,500/3,000/5,000 - SET TO MEDIUM	3K/4K/5K	9/19/34	LITHONIA	ES3F1 AL0 SWWW KY DDB	
Y1	POLE MOUNTED AREA LIGHT - 12,000 LUMENS	4000K LED	97	STREETWORKS	RDG E04 LED E U T3 BZ	1

GENERAL NOTES:
 1. SEE SPECIFICATIONS FOR FIXTURE REQUIREMENTS.
 2. ALTERNATE FIXTURES TO HAVE EQUAL CHARACTERISTICS OF SPECIFIED FIXTURES.
 3. ALL LED FIXTURES TO HAVE A MINIMUM CRI OF 70+.
 4. ARCHITECT TO SELECT STANDARD COLOR AND FINISH.
PLAN NOTES:
 1. MOUNT ON EXISTING 16" POLE.

GENERAL NOTES:
 1. SITE LIGHTING CALCULATED AT GRADE.

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ENGINEERING DESIGN BY
MSA pro
 PLUNKETT RAYSCHE ARCHITECTS, LLP
 (608) 362-6565 • www.msa-pro.com

CROSSWAY CHURCH
INTERIOR RENOVATION & ADDITION
 REVISIONS:
 W1566 N10041 PILGRIM ROAD, GERMANTOWN, WI 53022
 SITE PLAN - PHOTOMETRIC

DATE: 08/12/2024
 JOB NO: 230149-02
 SHEET NO:

2310 crossroads drive, suite 200, madison, wisconsin 53713
 1930 main street, suite 201, milwaukee, wisconsin 53221
 311 corporation drive, waukesha, wisconsin 53181



Catalog Number
Notes
Type

Contractor Select™ TWR LED

LED Wall Pack Adjustable+Switchable+Photocell

The Lithonia Lighting® TWR wall packs combine the power of the latest generation of LEDs in a popular and classic day-form to provide exceptional energy savings. These wall packs give ultimate versatility to both the distributor and contractor by offering 18 configurations in one product with their standard Adjustable Lumen Output (ALO), Switchable color temperature (SWW2), and adjustable photocell (PE) features.

FEATURES:

- Two sizes deliver from 2,300 lumens up to 16,100 lumens, replacing 70W to 400W HID luminaires
- Energy savings of up to 86% when replacing HID wall packs with less than two year paybacks
- Three power levels of adjustable lumen output. Switchable CCT(3000K/4000K/5000K) offers warm, cool and daylight in a single fixture
- Standard photocell can be turned on or off
- IP65 rated, Die-cast aluminum housing and borosilicate glass lens
- Up to 155 LPW



Catalog Number	Adjustable Lumen Output ALO			Switchable CCT SWW2	Dusk-to-Dawn Operation PE	Input Voltage	CRI
	2,300 Lumens	5,300 Lumens	8,500 Lumens*				
TWR1 LED ALO SWW2 UVOLT PE DDBTXD	2,300 Lumens	5,300 Lumens	8,500 Lumens*	Switchable 3000K, 4000K*, 5000K	Included Standard, Selectable On*/Off	120-347V	80CRI
TWR2 LED ALO SWW2 UVOLT PE DDBTXD	8,200 Lumens	12,100 Lumens	16,100 Lumens*				

* - Default out of the box settings

Made To Order Options

Ci Code	Input Voltage	Catalog Number	UPC	Number of fixtures per pallet	Traditional Replacement
*280GX1	120-277V	TWR1 LED ALO SWW2 MVOLT PE E7WC DDBTXD	00196183389954	60	70W - 250W HID
*2822T3	480V	TWR2 LED ALO SWW2 480 DDBTXD	00196183765819	32	250W - 400W HID

* Note: Made to order options are available with normal lead time

TWR LED Stock Configurations

Catalog Number	UPC	Ci Code	Number of fixtures per pallet	Traditional Replacement
TWR1 LED ALO SWW2 UVOLT PE DDBTXD	00196183389947	*280GWW	50	70W - 250W HID
TWR2 LED ALO SWW2 UVOLT PE DDBTXD	00196183390028	*280GX5	40	250W - 400W HID



Specifications

INTENDED USE:

The TWR LED combines traditional wall pack design with latest generation LEDs to provide an energy-efficient, low maintenance LED wall pack suitable for replacing up to 400W Metal Halide fixtures. The traditional shape helps maintain building aesthetics when replacing only a portion of your building's wall packs. TWR LED is ideal for outdoor applications such as carpools, loading areas, self storage and parking areas.

CONSTRUCTION:

Rugged cast-aluminum housing with bronze polyester powder paint for lasting durability. Door is hinged on the side and can be detached for easy installation and service. Castings are sealed with a one-piece gasket to inhibit the entrance of external contaminants. Rated for outdoor installations, -40°C minimum ambient.

ELECTRICAL:

Light engine consists of long-life, high-efficacy LEDs mounted on an internal aluminum heat sink to maximize heat dissipation and promote long life. LEDs maintain 90% of light output at 50,000 hours of service. (LED lifespan based on IESNA LM-80-08 results and calculated per IESNA TM-21-11 methodology. The UVOLT driver operates on any line voltage from 120-347V (50/60Hz). All luminaires have 6kV surge protection. There are no user serviceable parts. The fixture is supplied with a 0-10V driver and is dimmable by 0-10V controls.

BATTERY SPECS:

Emergency battery backup E7WC is a 7 Watt back up battery that delivers up to 1,000 lumens in emergency mode. The lowest operating temperature is -20°C and is compatible with the MVOLT model TWR1.

INSTALLATION

Designed for wall mounting above four feet from ground. Housing is configured for mounting directly over a standard 4" outlet box (by others) or for surface wiring via any of four convenient 1/2" threaded conduit entry hubs.

LISTINGS:

UL Listed to U.S. and Canadian safety standards for wet locations. Tested in accordance with IESNA LM-79 and LM-80 standards.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/OPL to confirm which versions are qualified.

WARRANTY:

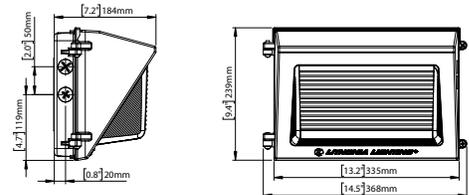
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Dimensions

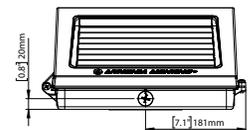
TWR1:

Width: 13.2" / 33.5cm
Height: 9.4" / 23.9cm
Depth: 7.2" / 18.4cm
Weight: 7.5lbs (3.4kg)



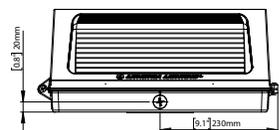
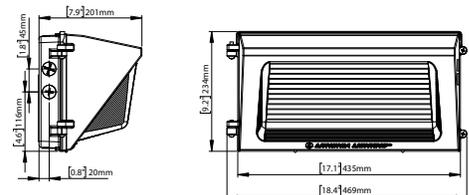
TWR1 E7WC:

Width: 15.25" / 38.74cm
Height: 10.75" / 27.31cm
Depth: 8.75" / 22.23cm
Weight: 9.66lbs (4.38kg)



TWR2:

Width: 17.1" / 43.5cm
Height: 9.2" / 23.4cm
Depth: 7.9" / 20.1cm
Weight: 12.1lbs (5.5kg)



All dimensions are inches (centimeters) unless otherwise indicated.



LUMEN OUTPUT:

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79.

Size	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
TWR1	2,300	16W	3000K	2,295	145
			4000K	2,292	
			5000K	2,359	
	5,300	36W	3000K	5,277	151
			4000K	5,347	
			5000K	5,390	
	8,500	59W	3000K	8,400	148
			4000K	8,581	
			5000K	8,523	

Size	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
TWR2	8,200	55W	3000K	8,132	155
			4000K	8,427	
			5000K	8,290	
	12,100	82W	3000K	11,875	152
			4000K	12,449	
			5000K	12,037	
	16,100	112W	3000K	15,794	147
			4000K	16,270	
			5000K	16,262	



ARC1 LED

Architectural Wall Luminaire



Catalog Number

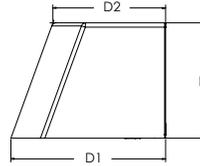
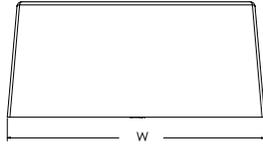
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

- Depth (D1):** 6.5"
- Depth (D2):** 4.75"
- Height:** 5"
- Width:** 11"
- Weight:** 7 lbs
(without options)



Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC1 delivers up to 3,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of ARC1, with its integrated emergency battery backup option, is ideal for over-the-door applications.

ARC LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Approximate Lumens (4000K)				
			P1	P2	P3	P4	P5
ARC1 LED	4W	--	1,500	2,000	3,000	--	--
ARC2 LED	4W	8W	1,500	2,000	3,000	4,000	6,500

Ordering Information

EXAMPLE: ARC1 LED P2 40K MVOLT PE DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish
ARC1 LED	P1 1,500 Lumens	30K 3000K	MVOLT 347 ¹	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ¹	DDBXD Dark bronze
	P2 2,000 Lumens	40K 4000K		PE Button type photocell for dusk-to-dawn operation	DBLXD Black
	P3 3,000 Lumens	50K 5000K		DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ²	DNAXD Natural aluminum
			SPD6KV 6kV surge protection	DWHXD White	
			FAO Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100% ²	DSSXD Sandstone	
				DDBTXD Textured dark bronze	
				DBLBXD Textured black	
				DNATXD Textured natural aluminum	
				DWHGXD Textured white	
				DSSTXD Textured sandstone	

Accessories

Ordered and shipped separately.

- WSBBW DDBXD U Surface - mounted back box (specify finish)

NOTES

- 1 347V not available with E4WH.
- 2 FAO not available with DMG.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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ARC1 LED
Rev. 03/02/22

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
		Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	11W	1,376	127	0	0	0	1,454	134	0	0	0	1,464	135	0	0	0
P2	17W	2,035	121	1	0	1	2,151	128	1	0	1	2,165	129	1	0	1
P3	25W	2,859	117	1	0	1	3,021	123	1	0	1	3,041	124	1	0	1

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	11W	0.111	0.061	0.053	0.047	0.045
P2	17W	0.139	0.081	0.071	0.063	0.060
P3	25W	0.208	0.122	0.108	0.097	0.081

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Lumens
E4WH	620

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

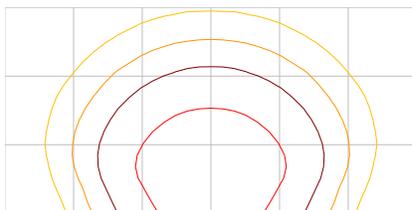
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	0.97	>0.96	>0.95	>0.91

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting ARC LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

 0.25 fc
 0.5 fc
 1.0 fc
 3.0 fc



MH = 10ft
Grid = 10ft x 10ft

ARC1 LED P3 40K

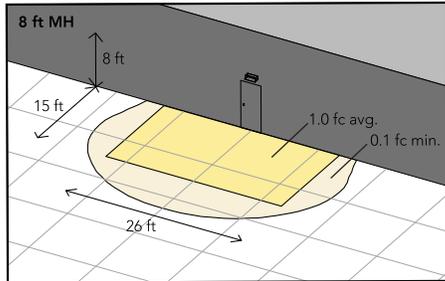
Emergency Egress Options

Emergency Battery Backup

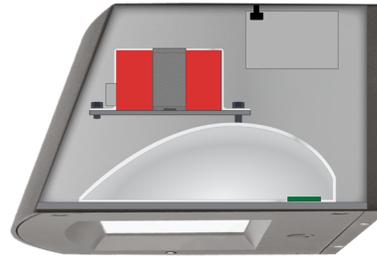
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode.



ARC1 LED 40K MVOLT E4WH



Self-contained solution for clean aesthetic

Mounting, Options & Accessories



E4WH – 4W Emergency Battery Backup

D = 6.5"
H = 5"
W = 11"



BBW – Standard Back Box

D = 1.5"
H = 4"
W = 5.5"

For surface conduit applications.
3/4" conduit entry holes.

FEATURES & SPECIFICATIONS

INTENDED USE

The clean architectural shape of the ARC LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long-life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The die-cast aluminum housing and door act as heat sinks to optimize thermal transfer from the light engine and driver to promote long-life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Recessed lens to cut off high angle light and reduce glare. Combination of diffused lens and reflector design has low surface brightness creating a visually comfortable environment with great distribution. LEDs are fully hidden from view to eliminate pixelization and harsh glare. The ARC LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long-life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire is 0-10V dimmable.

INSTALLATION

The universal wall plate, supplied with the luminaire, fits multiple size junction boxes and supports the luminaire during wiring for easy installation. Built-in wet location wiring compartment on the luminaire to accommodate wiring connections for where there is no junction box. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International DarkSky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. Rated for -40°C minimum ambient.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.





Catalog Number
Notes
Type

Contractor Select™ ESXF LED

Floodlights Adjustable+Switchable+Photocell

The Lithonia Lighting® ESXF LED floodlight is a general-purpose flood that offers a wide selection of options and flexibility. Easy access to adjustable lumen output, color switching, and a selectable photocell turns the ESXF into the fixture you need on the spot. With its wide flood (7x7) distribution and DLC performance, the ESXF is a cost-effective solution, great for illuminating yards, driveways, signage, patios, warehouses, and security applications.

FEATURES:

- Five sizes deliver 1,500 up to 50,000 lumens
- Three power levels of adjustable lumen output. Switchable CCT(30K/40K/50K) offers warm, cool and daylight in a single fixture
- Standard photocell can be turned on or off
- IP66 rated, Die-cast aluminum housing
- Two popular mounting options included
- up to 173 LPW



ESXF1 P0 knuckle mount



ESXF1 knuckle mount



ESXF2 knuckle mount



ESXF3 slipfitter mount



ESXF4 slipfitter mount



ESXF5 slipfitter mount



Adjustable Lumen Output ALO



Switchable CCT SWW2



Dusk-to-Dawn Operation PE



Catalog Number	Adjustable Lumen Output ALO			Switchable CCT SWW2	Dusk-to-Dawn Operation PE	Input Voltage	Included Mounting Options	CRI
ESXF1 P0 SWW2 THK DDB	2500L			Switchable 3000K, 4000K, 5000K	Included Standard, Selectable On/Off	120-277V	Knuckle Only, mounting plate	80CRI
ESXF1 ALO SWW2 KY DDB	1500L	3000L	5000L			120-277V	Knuckle & Yoke, mounting plate	
ESXF2 ALO SWW2 KY DDB	3500L	5500L	7500L			120-277V	Knuckle & Yoke, mounting plate	
ESXF3 ALO SWW2 YS DDB	8500L	10500L	14000L			120-277V	Yoke & SlipFitter	
ESXF3 ALO SWW2 UVOLT YS DDB						120-347V	Yoke & SlipFitter	
ESXF4 ALO SWW2 YS DDB	16000L	18000L	20000L			120-277V	Yoke & SlipFitter	
ESXF4 ALO SWW2 UVOLT YS DDB						120-347V	Yoke & SlipFitter	
ESXF5 ALO SWW2 UVOLT YS DDB						30000L	40000L	
ESXF5 ALO SWW2 XVOLT YS DDB	30000L	40000L	50000L			277-480V	Yoke & SlipFitter	

More configurations are available. [Click here](#) or visit www.acuitybrands.com and search for ESXF LED.

ESXF Stock Configurations

Catalog Number	UPC	Ci Code	Number of fixtures per pallet	Traditional Replacement
ESXF1 P0 SWW2 THK DDB	00196182393051	*276AL6	400	150W Quartz or 75W HID
ESXF1 ALO SWW2 KY DDB	00196182393204	*276ALH	400	500W Quartz or 150W HID
ESXF2 ALO SWW2 KY DDB	00196182393242	*276ALU	360	500W Quartz or 175W HID
ESXF3 ALO SWW2 YS DDB	00196182393266	*276ALW	144	250W HID
ESXF3 ALO SWW2 UVOLT YS DDB	00196182393273	*276AM0	144	250W HID
ESXF4 ALO SWW2 YS DDB	00196182393280	*276AM2	144	400W HID
ESXF4 ALO SWW2 UVOLT YS DDB	00196182393297	*276AM4	144	400W HID
ESXF5 ALO SWW2 UVOLT YS DDB	00197589243710	*283G2F	32	1000W HID
ESXF5 ALO SWW2 XVOLT YS DDB	00197589243734	*283G2G	32	1000W HID

Accessories: Order as separate catalog number.

ESXF P0 and ESXF1 yoke mount accessory
*276ARA ESXF1YK DDB

ESXF5 upper/bottom visor accessory
*283G2K ESXF5UBV DDB

[Click here to visit Additional mounting brackets.](#)



Included mounting options by size



Electrical Performance Tables

	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
ESXF1 P0	2,500L	17W	3000K	2,372	151
			4000K	2,522	
			5000K	2,503	
ESXF1	1,500L	9W	3000K	1,467	171
			4000K	1,560	
			5000K	1,549	
	3,000L	19W	3000K	2,915	162
			4000K	3,099	
			5000K	3,076	
5,000L	34W	3000K	4,748	147	
		4000K	5,047		
		5000K	5,010		

	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
	8,500L	53W	3000K	8,139	163
			4000K	8,653	
			5000K	8,589	
ESXF3	10,500L	69W	3000K	10,156	156
			4000K	10,797	
			5000K	10,718	
	14,000L	100W	3000K	13,609	145
			4000K	14,469	
			5000K	14,362	

	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
ESXF2	3,500L	22W	3000K	3,377	163
			4000K	3,591	
			5000K	3,564	
	5,500L	37W	3000K	5,315	151
			4000K	5,651	
			5000K	5,609	
7,500L	56W	3000K	7,223	137	
		4000K	7,680		
		5000K	7,623		

	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
ESXF4	16,000L	111W	3000K	15,508	148
			4000K	16,487	
			5000K	16,366	
	18,000L	124W	3000K	17,274	148
			4000K	18,365	
			5000K	18,230	
20,000L	150W	3000K	19,583	139	
		4000K	20,819		
		5000K	20,666		

	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
ESXF5 UVOLT	30,000L	184	3000K	28,596	173
		177	4000K	30,577	
		184	5000K	30,447	
	40,000L	259	3000K	38,079	168
		247	4000K	41,402	
		259	5000K	40,513	
	50,000L	341	3000K	46,678	161
		322	4000K	51,691	
		342	5000K	49,741	

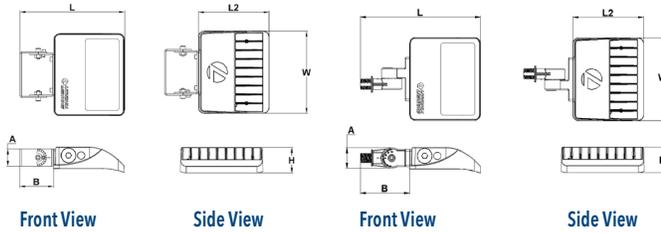
	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
ESXF5 XVOLT	30,000L	193	3000K	29,949	173
		185	4000K	32,085	
		192	5000K	31,852	
	40,000L	264	3000K	38,777	168
		250	4000K	42,160	
		262	5000K	41,321	
	50,000L	336	3000K	46,644	163
		316	4000K	51,513	
		334	5000K	49,654	



Dimensions

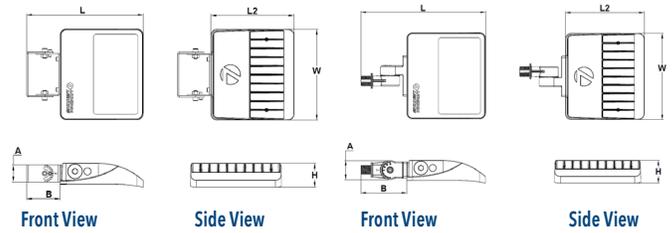
All dimensions are inches (centimeters) unless otherwise indicated.

ESXF1



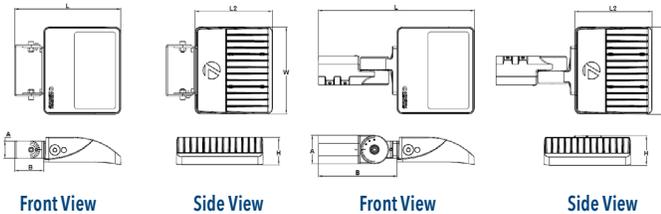
Luminaire	Length (L)	Width (W)	Height (H)	Yoke/Knuckle		L2	Weight
				A (Height)	B (Length)		
Dimensions in inches (centimeters)							
ESXF1 SWW2 ALO KY (Yoke)	7.65" (27.8cm)	6.04" (15.4cm)	1.86" (4.7cm)	1.26" (3.2cm)	2.48" (6.3cm)	5.17" (13.2cm)	2.31 lbs (1.048 kg)
ESXF1 SWW2 PO/ALO KY (Knuckle)	8.77" (22.3cm)	6.04" (15.4cm)	1.86" (4.7cm)	1.5" (3.8cm)	3.59" (9.1cm)	5.17" (13.2cm)	2.17 lbs (0.986 kg)

ESXF2



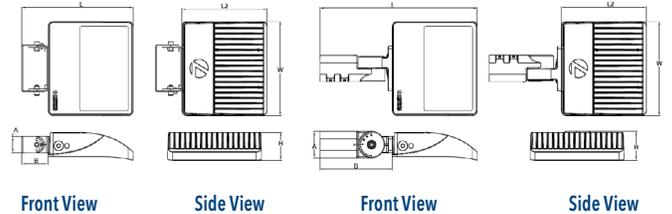
Luminaire	Length (L)	Width (W)	Height (H)	Yoke/Knuckle		L2	Weight
				A (Height)	B (Length)		
Dimensions in inches (centimeters)							
ESXF2 SWW2 ALO KY (Yoke)	8.64" (21.9cm)	6.75" (17.1cm)	1.8" (4.6cm)	1.26" (3.2cm)	2.48" (6.3cm)	6.16" (15.6cm)	2.92 lbs (1.324 kg)
ESXF2 SWW2 ALO KY (Knuckle)	9.75" (24.8cm)	6.75" (17.1cm)	1.8" (4.6cm)	1.5" (3.8cm)	3.59" (9.1cm)	6.16" (15.6cm)	2.79 lbs (1.264 kg)

ESXF3



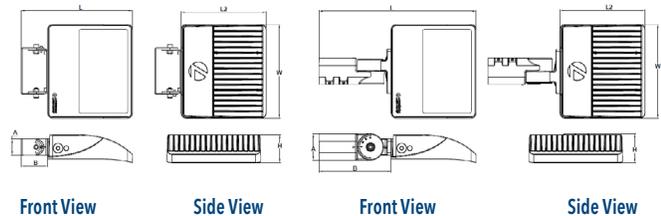
Luminaire	Length (L)	Width (W)	Height (H)	Yoke/Knuckle		L2	Weight
				A (Height)	B (Length)		
Dimensions in inches (centimeters)							
ESXF3 SWW2 ALO YS (Yoke)	10.54" (26.8cm)	8.95" (22.7cm)	2.84" (7.2cm)	1.77" (4.5cm)	2.99" (7.6cm)	7.97" (20.2cm)	6.21 lbs (2.818 kg)
ESXF3 SWW2 ALO YS (Slipfitter)	16.07" (40.8cm)	8.95" (22.7cm)	3.04" (7.7cm)	2.95" (7.5cm)	8.11" (20.6cm)	7.97" (20.2cm)	6.48 lbs (2.938 kg)

ESXF4



Luminaire	Length (L)	Width (W)	Height (H)	Yoke/Knuckle		L2	Weight
				A (Height)	B (Length)		
Dimensions in inches (centimeters)							
ESXF4 SWW2 ALO YS (Yoke)	12.54" (31.8cm)	10.54" (26.8cm)	3.12" (7.9cm)	1.77" (4.5cm)	2.99" (7.6cm)	9.55" (24.3cm)	8.17 lbs (3.706 kg)
ESXF4 SWW2 ALO YS (Slipfitter)	17.66" (44.8cm)	10.54" (26.8cm)	3.22" (8.2cm)	2.95" (7.5cm)	8.11" (20.6cm)	9.55" (24.3cm)	8.43 lbs (3.824 kg)

ESXF5

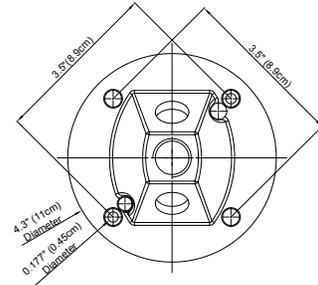


Luminaire	Length (L)	Width (W)	Height (H)	Yoke/Knuckle		L2	Weight
				A (Height)	B (Length)		
Dimensions in inches (centimeters)							
ESXF5 SWW2 ALO YS (Yoke)	18.6"	16"	3.5"	3"	1.77"	15.6" (39.5cm)	19 lbs (8.62 kg)
ESXF5 SWW2 ALO YS (Slipfitter)	24.5"	16"	3.5"	8.11"	5"	15.6" (39.5cm)	20 lbs (9.07 kg)



EPA Data

	Angle of Tilt	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
ESXF1	Project Area(ft ²)	0.078	0.114	0.15	0.183	0.21	0.231	0.246	0.25	0.25	0.25
	EPA(ft ²)	0.0936	0.1368	0.18	0.2196	0.252	0.2772	0.2952	0.3	0.3	0.3
ESXF2	Project Area(ft ²)	0.09	0.133	0.182	0.226	0.263	0.293	0.314	0.325	0.326	0.32
	EPA(ft ²)	0.108	0.1596	0.2184	0.2712	0.3156	0.3516	0.3768	0.39	0.3912	0.384
ESXF3	Project Area(ft ²)	0.23	0.285	0.383	0.471	0.548	0.608	0.65	0.673	0.674	0.66
	EPA(ft ²)	0.276	0.342	0.4596	0.5652	0.6576	0.7296	0.78	0.8076	0.8088	0.792
ESXF4	Project Area(ft ²)	0.23	0.365	0.494	0.609	0.707	0.785	0.84	0.869	0.87	0.81
	EPA(ft ²)	0.276	0.438	0.5928	0.7308	0.8484	0.942	1.008	1.0428	1.044	0.972
ESXF5	Project Area(ft ²)	0.4	0.5	0.79	1.09	1.36	1.61	1.8	1.94	2.01	2.01
	EPA(ft ²)	0.48	0.6	0.948	1.308	1.632	1.932	2.16	2.328	2.412	2.412



*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.



Specifications

INTENDED USE:

The ESXF LED floodlight is designed to provide a cost effective, energy-efficient solution for the one-for-one replacement of existing traditional sources ranging from 150W quartz up to 1000W metal halide. ESXF is well suited for general illumination of parking lots, signage, yards, walkways, landscaping, and other floodlighting applications. ESXF luminaires deliver a uniform, wide flood 7x7 light distribution.

CONSTRUCTION:

The ESXF LED floodlight features sealed die-cast aluminum body and is IP66 listed to withstand moisture and the elements for years to come.

ELECTRICAL:

ESXF features adjustable lumen output include, low, medium, and high. (ESXF P0 static only). Switchable CCT includes between 3000K(warm), 4000K(neutral) or 5000K(daylight) and a selectable dusk to dawn photocell that automatically turns the fixture on in the evening and off the next morning.

Standard 6kV surge protection tested in accordance to ANSI/IEEE C62.41.2)Category C. ESXF LED luminaires use MVOLT (120-277V) as well as UVOLT (120-347V) or XVOLT (277-480V) on select models. Adjustable lumen output is achieved with 0-10V continuous dimming capable drivers, ensuring system power factor >90% and THD <20%. L90 ≥ 36,000 hours at 25C ambient.

INSTALLATION:

ESXF1 and ESXF2 ship with ½ NPS threaded knuckle mount factory installed and can be mounted to conduit bodies or to 4" electrical boxes using the provided round mounting plate. Yoke mounts can be easily changed in the field to mount to any solid surfaces (ESXF1 P0 yoke purchased separately).

ESXF3, ESXF4, and ESXF5 include a yoke mounting for solid surface mounting and an integral slipfitter that mates with standard 2 3/8" tenons for pole-top mounting. All models ship standard with 18" SO cord.

LISTINGS:

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. Rated for -40°C minimum ambient.

WARRANTY:

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



Factory settings
Lumen Output: High
CCT: 4000K
Photocell: On

DESCRIPTION

The Ridgeview™ LED area roadway luminaire is the compact, efficient, economical approach to LED area lighting. A pure blend of traditional form and LED efficiency; the Ridgeview luminaire provides functional, low profile design with excellent operating performance. Patent pending modular LightBAR technology delivers uniform and energy conscious illumination to parking lots and perimeter security lighting applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Rugged one-piece, die-cast aluminum housing secures the thermally conductive LED panel and electrical chamber. Low profile, 3G vibration rated compact design minimizes wind load requirements. Extruded aluminum frame secured with stainless steel hardware confines the LightBAR panel to the thermally conductive housing. The unique glide bracket LightBAR panel allows for easy access to the electrical chamber.

Optics

Choice of twelve patented, high-efficiency AccuLED Optic™ technology manufactured from injection-molded acrylic. Optics are precisely designed to shape the distribution the distribution, maximizing efficiency and application spacing. AccuLED Optic technology, creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT, 5000K CCT and 5700K CCT. For the ultimate level of spill light control, an optional house-side shield

accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature and IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting

Cast aluminum 6" arm includes bolt guides allowing for easy position of the fixture during installation to pole. Standard single carton packaging of housing,

square pole arm and round pole adapter provide contractor friendly installation. Wall mount models feature a cast aluminum arm that is directly mounted to a 4" supplied wall plate secured with set screws.

Finish

Components finished in a five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is bronze. Optional colors include black, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Options to meet Buy American and other domestic preference requirements.

Warranty

Five-year warranty.



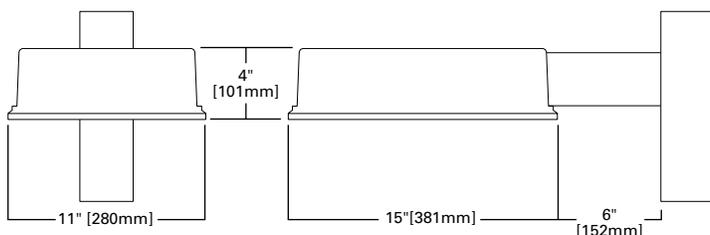
RDG RIDGEVIEW

1 - 4 LightBARs
Solid State LED

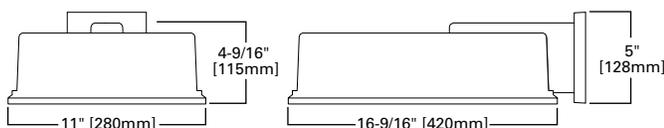
AREA LUMINAIRE

DIMENSIONS

POLE MOUNT



WALL MOUNT



CERTIFICATIONS

UL/cUL Listed
LM79 / LM80 Compliant
3G Vibration Rated
IP65 Fixture Rating
IP66 LightBARs
ISO 9001

ENERGY DATA

Electronic LED Driver

>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating
50°C (Optional) Ambient Temperature
Rating

EPA

Effective Projected Area: (Sq. Ft.)
Without Arm: 0.48
With Arm: 0.67

SHIPPING DATA

Approximate Net Weight:
12.5 lbs (5.8 kgs.)

POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

Number of LightBARs	E01	E02	E03	E04	
Drive Current	350mA Drive Current				
Power (Watts)	25W	52W	75W	97W	
Current @ 120V (A)	0.22	0.44	0.63	0.82	
Current @ 277V (A)	0.10	0.20	0.28	0.36	
Power (Watts)	31W	58W	82W	99W	
Current @ 347V (A)	0.11	0.19	0.28	0.29	
Current @ 480V (A)	0.09	0.15	0.20	0.21	
T2	Lumens	2,999	5,997	8,996	11,994
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3
T3	Lumens	2,986	5,972	8,957	11,943
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3
T4	Lumens	2,939	5,877	8,816	11,754
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G3
5MQ	Lumens	3,108	6,215	9,323	12,431
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2
5WQ	Lumens	3,066	6,131	9,197	12,262
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2
5XQ	Lumens	3,092	6,184	9,276	12,368
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3
SL2	Lumens	2,928	5,856	8,784	11,712
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
SL3	Lumens	2,969	5,937	8,906	11,875
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
SL4	Lumens	2,882	5,764	8,646	11,528
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
RW	Lumens	3,004	6,007	9,011	12,015
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
SLL/SLR	Lumens	2,693	5,387	8,080	10,774
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3

POWER AND LUMENS BY BAR COUNT (7 LED LIGHTBARS)

Number of LightBARs	F01	F02	F03	F04	
Drive Current	1A Drive Current				
Power (Watts)	26W	55W	78W	102W	
Current @ 120V (A)	0.22	0.46	0.66	0.86	
Current @ 277V (A)	0.10	0.21	0.29	0.37	
Power (Watts)	32W	60W	85W	105W	
Current @ 347V (A)	0.11	0.19	0.28	0.30	
Current @ 480V (A)	0.09	0.15	0.21	0.22	
T2	Lumens	2,475	4,951	7,426	9,902
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3
T3	Lumens	2,465	4,930	7,395	9,859
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3
T4	Lumens	2,426	4,852	7,278	9,704
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
5MQ	Lumens	2,565	5,131	7,696	10,262
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2
5WQ	Lumens	2,531	5,061	7,592	10,123
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2
5XQ	Lumens	2,553	5,105	7,658	10,210
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3
SL2	Lumens	2,417	4,834	7,251	9,668
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2
SL3	Lumens	2,451	4,901	7,352	9,803
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2
SL4	Lumens	2,379	4,758	7,138	9,517
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
RW	Lumens	2,480	4,959	7,439	9,918
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3
SLL/SLR	Lumens	2,224	4,447	6,671	8,894
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B1-U0-G3

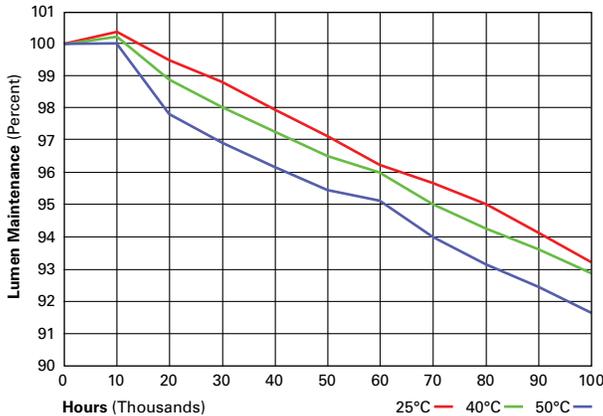
LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

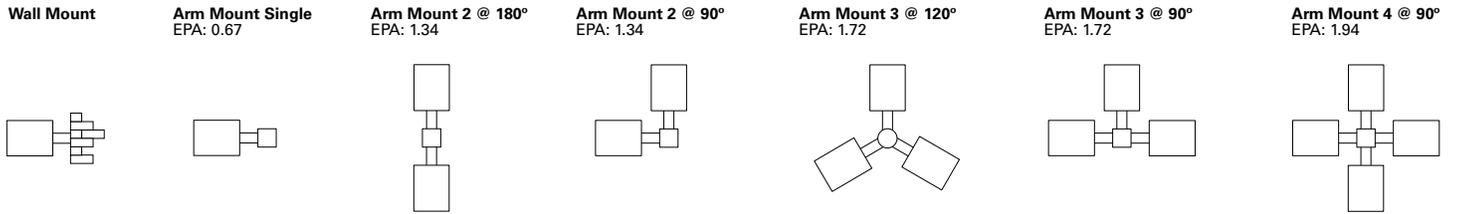
* Per IESNA TM-21 data.

LUMEN MULTIPLIER

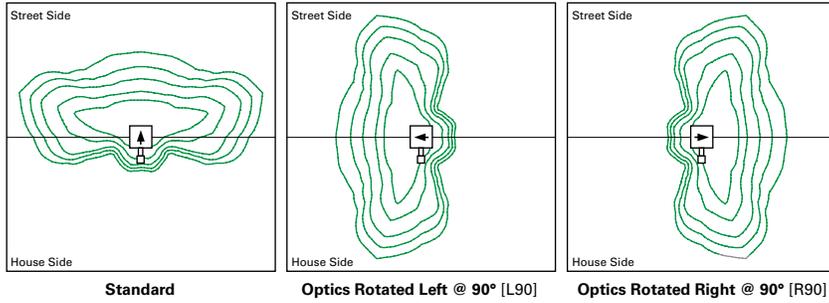
Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96



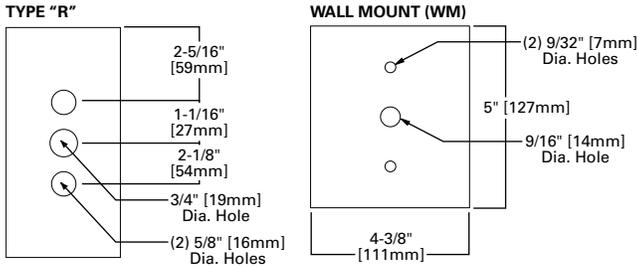
MOUNTING CONFIGURATIONS AND EPAS



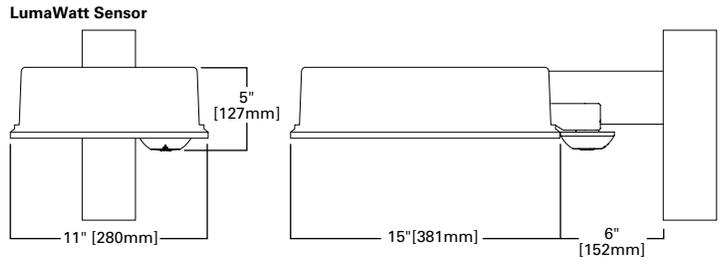
OPTIC ORIENTATION



DRILLING PATTERNS



OPTIONAL WIRELESS CONTROL



ORDERING INFORMATION

Sample Number: RDG-E04-LED-E-U-T3-BZ

Product Family ^{1,2}	Number of LightBARs ^{3,4}	Lamp Type	Ballast Type	Voltage	Distribution	Color
RDG =Ridgeview BAA-RDG =Ridgeview Buy American Act Compliant ²¹ TAA-RDG =Ridgeview Trade Agreements Act Compliant ²¹	E01 =(1) 21 LED LightBAR E02 =(2) 21 LED LightBARs E03 =(3) 21 LED LightBARs E04 =(4) 21 LED LightBARs F01 =(1) 7 LED LightBAR F02 =(2) 7 LED LightBARs F03 =(3) 7 LED LightBARs F04 =(4) 7 LED LightBARs	LED =Solid State Light Emitting Diodes	E =Electronic D =Dimming	U =Universal (120-277V) 8 =480V ^{5,6} 9 =347V ⁵	T2 =Type II T3 =Type III T4 =Type IV SL2 =Type II with Spill Control SL3 =Type III with Spill Control SL4 =Type IV with Spill Control RW =Rectangular Wide 5MQ =Type V Square Medium 5WQ =Type V Square Wide 5XQ =Type V Square Extra Wide SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
Options (Add as Suffix)				Accessories (Order Separately) ^{19,22}		
R90 =Optics Rotated Right 90° L90 =Optics Rotated Left 90° 4 =NEMA Twistlock Photocontrol Receptacle 4N7 =7-PIN NEMA Twistlock Photocontrol Receptacle ⁷ U =UL and cUL Listed 2L =Two Circuits ⁹ 7030 =70 CRI / 3000K ⁹ 7050 =70 CRI / 5000K ⁹ 7060 =70 CRI / 5700K ⁹ 8030 =80 CRI / 3000K ⁹ WM =Wall Mount Arm ¹⁰ P =Button Type Photocontrol ¹¹ BBLEDCLD =UL924 Cold Battery Backup (Specify Voltage) ¹² HA =50°C High Ambient Temperature Rating ¹³ MS-LXX =Motion Sensor for ON/OFF Operation ¹⁴ MS/X-LXX =Motion Sensor for Bi-Level Switching ^{7,15} DIMRF-LW =Enlighted Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{7,16,17} DIMRF-LN =Enlighted Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{7,16,17} LCF =LightBAR Cover Plate Matches Housing Finish HSS =Factory Installed House Side Shield ¹⁸				SA1175-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon SA1176-XX =2@180° Tenon Adapter for 3-1/2" O.D. Tenon SA1177-XX =3@120° Tenon Adapter for 3-1/2" O.D. Tenon SA1178-XX =4@90° Tenon Adapter for 3-1/2" O.D. Tenon SA1179-XX =2@90° Tenon Adapter for 3-1/2" O.D. Tenon SA1180-XX =2@120° Tenon Adapter for 3-1/2" O.D. Tenon SA1181-XX =3@90° Tenon Adapter for 3-1/2" O.D. Tenon SA1182-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon SA1183-XX =2@180° Tenon Adapter for 2-3/8" O.D. Tenon SA1184-XX =3@120° Tenon Adapter for 2-3/8" O.D. Tenon SA1185-XX =4@90° Tenon Adapter for 2-3/8" O.D. Tenon SA1186-XX =2@90° Tenon Adapter for 2-3/8" O.D. Tenon SA1187-XX =3@90° Tenon Adapter for 2-3/8" O.D. Tenon OA/RA1016 =NEMA Twistlock Photocontrol - Multi-Tap OA/RA1014 =NEMA Twistlock Photocontrol - 120V OA1223 =10kV Circuit Module Replacement OA/RA1013 =Photocontrol Shorting Cap LB/HSS-21 =Field Installed House Side Shield for "E" LightBARs ^{18,20} LB/HSS-07 =Field Installed House Side Shield for "F" LightBARs ^{18,20}		

NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
- 6" Arm and round pole adapter included with fixture.
- 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
- Lumen values based upon 4000K CCT, 350mA or 1A drive current, 25°C ambient operating temperature.
- Not available with two circuit option.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase Four Wire Delta and Three Phase Two Wire Corner Grounded Delta systems).
- Order with dimming driver.
- 2L option not available in 347V or 480V. Low-level output varies with LightBAR count. Requires quantity of two or more LightBARs.
- Extended lead times apply. See website for IES files.
- Wall mount arm and mounting plate included with fixture.
- Specify voltage. Available in 120, 277, 208 or 240V.
- Specify 120V or 277V. Available with E01 or F01 configurations only. 25°C ambient operating temperature.
- HA not available with BBLEDCLD or MS-LXX or MS/X-LXX options. Limit three LightBARs with HA option.
- Sensor housed in external box mounted to the luminaire. Replace XX with mounting height in feet for proper lens selection (e.g., MS-L20). Not available with HA option. Consult factory for more information.
- Motion sensor for bi-level switching. Sensor housed in external box mounted to the luminaire. Available in E02-E04 and F02-F04 configurations. Replace X with number of bars operating in low output mode (must select a number of bars at least one less than the number of bars in the fixture to operate in low output mode) and replace XX with fixture mounting height for proper lens selection (e.g., MS/3-L20). Not available with HA option. Consult factory for more information.
- Enlighted wireless sensors are factory installed only requiring network components RF-EM-1, RF-GW-1 and RF-ROUT-1 in appropriate quantities. See www.cooperlighting.com for Enlighted application information.
- Only available in pole mount configuration.
- Only for use with SL2, SL3 and SL4 distributions. Not available with L90 or R90 options.
- Replace XX with color designation.
- Only required for each LightBAR. Not available with L90 or R90 options.
- One 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.
- Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.



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Specifications and dimensions subject to change without notice.