SITE DEVELOPMENT PLAN

LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED

LOCATED IN THE SW QUARTER OF SECTION 2, TOWNSHIP 8 SOUTH, RANGE 67 WEST OF THE 6TH P.M.

TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE DEVELOPMENT PLAN GENERAL NOTES:

1. APPROVAL OF THIS SITE DEVELOPMENT PLAN DOES NOT CONSTITUTE APPROVAL OF ANY DEVIATIONS FROM TOWN OF CASTLE ROCK REGULATIONS AND STANDARDS. ALL DEVIATIONS FROM TOWN REGULATIONS AND STANDARDS ARE SUBJECT TO THE APPROPRIATE PROCEDURES FOR APPROVAL. THERE MAY BE SUBSEQUENT AMENDMENTS.
2. THIS SITE IS ZONED BUSINESS ZONE DISTRICT WITH WOLFENSBERGER NORTH ZONING OVERLAY DISTRICT (WNZOD).
3. THIS PROPERTY IS LOCATED WITHIN ZONE "X", AREAS DETERMINED TO BE "OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN" AS PER FEMA FIRM PANEL NO. 08035C0188G, DATED MARCH 16, 2016.
4. RETAINING WALLS MUST BE LOCATED WITHIN THE PROPERTY BOUNDARY AND ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
5. THE TOWN OF CASTLE ROCK REQUIRES THAT MAINTENANCE ACCESS BE PROVIDED TO ALL STORM DRAINAGE FACILITIES TO ASSURE CONTINUOUS OPERATIONAL CAPABILITY OF THE SYSTEM. THE PROPERTY OWNER, SUBSEQUENT OWNERS HEIRS, SUCCESSORS AND ASSIGNS SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL DRAINAGE FACILITIES INCLUDING, BUT NOT LIMITED TO, INLETS, PIPES,CULVERTS, CHANNELS, DITCHES, HYDRAULIC STRUCTURES, AND DETENTION BASINS LOCATED ON THIS PROPERTY, UNLESS MODIFIED BY THE SUBDIVISION IMPROVEMENTS AGREEMENT. SHOULD THE OWNER FAIL TO ADEQUATELY MAINTAIN SAID FACILITIES, THE TOWN SHALL HAVE THE RIGHT TO ENTER SAID PROPERTY FOR THE PURPOSES OF OPERATION AND MAINTENANCE. ALL SUCH MAINTENANCE COSTS WILL BE ASSESSED TO THE PROPERTY OWNER, SUBSEQUENT OWNERS, HEIRS, SUCCESSORS AND ASSIGNS. THE MAINTENANCE COSTS SHALL INCLUDE ALL ACTUAL COSTS FOR LABOR, EQUIPMENT AND MATERIALS AND A 25% FEE.
6. PURSUANT TO THE TOWN OF CASTLE ROCK LANDSCAPE REGULATIONS THE PROPERTY OWNER, SUBSEQUENT OWNERS, HEIRS, SUCCESSORS AND ASSIGNS SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE AREA SUBJECT TO THE APPROVED SITE DEVELOPMENT PLAN. LANDSCAPING WITHIN PUBLIC RIGHTS-OF-WAY IS TO BE MAINTAINED BY THE ADJACENT PRIVATE PROPERTY OWNER OR THE HOMEOWNER/PROPERTY OWNER ASSOCIATION, AS APPLICABLE. LANDSCAPING SHALL BE CONTINUOUSLY MAINTAINED INCLUDING NECESSARY WATERING, WEEDING, PRUNING, MOWING, PEST CONTROL, AND REPLACEMENT OF DEAD OR DISEASED PLANT MATERIAL. UPON WRITTEN NOTICE BY THE TOWN, THE OWNER WILL HAVE 45 DAYS TO CURE OR REPLACE DAMAGED OR DEAD LANDSCAPE MATERIAL. IN THE CASE OF DISEASED LANDSCAPE MATERIAL, A SHORTER COMPLIANCE PERIOD MAY BE SPECIFIED IN SAID NOTICE. THE TOWN OF CASTLE ROCK WATER CONSERVATION ORDINANCE REGULATES TIMES OF SEASONAL IRRIGATION AND PROHIBITS THE WASTING OF POTABLE WATER THROUGH IMPROPER IRRIGATION.
7. FINAL LANDSCAPE AREA, COVERAGE AND PLANT QUANTITIES, SHALL MEET OR EXCEED QUANTITIES REPRESENTED IN THIS SITE DEVELOPMENT PLAN. ANY CHANGES TO THE APPROVED LANDSCAPE PLANS SHALL REQUIRE AN SDP AMENDMENT.
8. THE NUMBER OF PARKING SPACES ARE BASED ON THE PROPOSED USES ON THIS SITE DEVELOPMENT PLAN. A CHANGE OF USE TO A MORE PARKING INTENSIVE USE AS IDENTIFIED IN CHAPTER 17.54 OF THE CASTLE ROCK MUNICIPAL CODE OR APPLICABLE PLANNED DEVELOPMENT ZONING WILL REQUIRED AN AMENDMENT TO THIS SITE DEVELOPMENT PLAN.
9. A SIGN PERMIT FOR EACH SIGN MUST BE OBTAINED FROM THE TOWN OF CASTLE ROCK ZONING DIVISION PRIOR TO PLACING ANY SIGN ON THE PROPERTY. ALL SIGNS MUST COMPLY WITH THE PROVISIONS OF TITLE 19 (SIGN CODE REGULATIONS) OF THE MUNICIPAL CODE OR APPLICABLE PLANNED DEVELOPMENT ZONING REGULATIONS.
10. ANY STREET SIGNS, STRIPING, STREET LIGHTS AND CURB RAMPS ARE CONCEPTUAL ONLY AND SUBJECT TO TOWN REVIEW WITH THE CONSTRUCTION DOCUMENTS. THESE ITEMS SHALL COMPLY WITH THE TOWN OF CASTLE ROCK'S REGULATIONS, STANDARDS, AND REQUIREMENTS.
11. THE DEVELOPER SHALL CONFORM TO THE TOWN OF CASTLE ROCK "WATER USE MANAGEMENT PROGRAM IMPLEMENTATION POLICY", AS AMENDED FROM TIME TO TIME, FOR THIS PROJECT.
12. NO SOLID OBJECT (EXCLUDING FIRE HYDRANTS, TRAFFIC CONTROL DEVICES AND TRAFFIC SIGNS) EXCEEDING THIRTY (30) INCHES IN HEIGHT ABOVE THE FLOW LINE ELEVATIONS OF THE ADJACENT STREET, INCLUDING BUT NOT LIMITED TO BUILDINGS, UTILITY CABINETS, WALL, FENCES, LANDSCAPE PLANTINGS, CROPS, CUT SLOPES, AND BERMS SHALL BE PLACED WITHIN SIGHT DISTANCE LINES AND SIGHT DISTANCE EASEMENTS.
13. ALL PROPOSED UTILITY, DRAINAGE, EMERGENCY ACCESS, SIGHT DISTANCE AND PUBLIC ACCESS/TRAIL EASEMENTS AS SHOWN ON THE SITE DEVELOPMENT PLAN ARE CONCEPTUAL AND SHALL BE ESTABLISHED WITH A PLAT OR SEPARATE DOCUMENT.
14. UNLESS OTHERWISE NOTED, ALL LOTS SHALL HAVE A 10-FOOT UTILITY EASEMENT ALONG THE FRONT AND REAR LOT LINES AND ALONG ALL PUBLIC RIGHTS-OF-WAY AND SHALL HAVE 5-FOOT UTILITY EASEMENTS ALONG EACH SIDE LOT LINE. THESE UTILITY EASEMENTS ARE FOR THE INSTALLATION, MAINTENANCE AND OPERATION OF UTILITIES AND DRAINAGE FACILITIES INCLUDING, BUT NOT LIMITED TO STREET LIGHTS, ELECTRIC LINES, GAS LINES, CABLE TELEVISION LINES, FIBER OPTIC LINES AND TELEPHONE LINES, WATER METERS, FIRE HYDRANTS AND CURB BOXES AS WELL AS PERPETUAL RIGHT FOR INGRESS AND EGRESS FOR INSTALLATION, MAINTENANCE AND REPLACEMENT OF SUCH LINES. ANY VARIATION FROM THIS REQUIRES AN APPROVED TECHNICAL CRITERIA VARIANCE.
15. ALL SUBDIVISIONS SHALL INCLUDE ADEQUATE EASEMENTS TO ACCOMMODATE THE CONSTRUCTION, MAINTENANCE AND REPAIR OF ALL PUBLIC ACCESS, SIDEWALKS, TRAILS, WATER SUPPLY SYSTEM, WASTE WATER SYSTEMS, STORM WATER MANAGEMENT SYSTEM AND EROSION CONTROL FACILITIES, TELECOMMUNICATIONS AND OTHER UTILITIES REQUIRED TO PROVIDE EACH UTILITY TO EACH OCCUPIED STRUCTURE IN THE SUBDIVISION.
16. NO STRUCTURE SHALL BE CONSTRUCTED OVER ANY PORTIONS OF A RECORDED TOWN EASEMENT UNLESS A REVOCABLE LICENSE IS APPROVED BY THE TOWN AND THE STRUCTURE WILL NOT INTERFERE WITH THE INTENDED USE OF THE EASEMENT.
17. ANY STRUCTURES PLACED IN THE EASEMENT INCLUDING BUT NOT LIMITED TO PAVING, FENCING, RETAINING WALLS AND LANDSCAPING SHALL BE REMOVED AND REPLACED BY THE OWNER UPON THE REQUEST OF THE UTILITIES DEPARTMENT OR PRIVATE UTILITY COMPANY SO THAT MAINTENANCE MAY BE PERFORMED. THE OWNER OF THE LAND SHALL AGREE TO HOLD THE TOWN AND/OSS FROM ANY LOSS OF PROPERTY OR LANDSCAPING AND IRRIGATION REMOVED FORM THE EASEMENT OR DAMAGED DUE TO MAINTENANCE ACTIVITIES AND ALL ASSOCIATED COSTS.

FIRE NOTES:

1. IF FIRE APPARATUS ACCESS ROADS OR WATER SUPPLY FOR FIRE PROTECTION IS REQUIRED TO BE INSTALLED, SUCH PROTECTION SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO VERTICAL CONSTRUCTION.
2. FIRE HYDRANT(S) ARE REQUIRED TO BE INSTALLED AND MADE SERVICEABLE PRIOR O AND DURING THE TIME OF CONSTRUCTION.
3. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN DRIVE LANES FOR EMERGENCY VEHICLE INGRESS AND EGRESS, INCLUDING SNOW REMOVAL.
4. ALL EMERGENCY ACCESS ROADS, EMERGENCY ACCESS GATES AND SIGNAGE SHALL COMPLY WITH THE TOWN OF CASTLE ROCK FIRE DEPARTMENT REQUIREMENTS AND SHALL BE MAINTAINED BY METROPOLITAN DISTRICT, HOMEOWNERS ASSOCIATION, OR OTHER PROPERTY MANAGEMENT ENTITY.
5. APPROVED FIRE APPARATUS ACCESS ROADS SHALL BE PROVIDED FOR EVERY FACILITY, BUILDING OR PORTION OF A BUILDING CONSTRUCTED OR MOVED INTO, OR WITHIN THE JURISDICTION. THE FIRE APPARATUS ACCESS ROAD SHALL EXTEND TO WITHIN 150 FEET OF ALL PORTIONS OF THE FACILITY AND ALL PORTIONS OF THE EXTERIOR WALLS OF THE FIRST STORY OF THE BUILDING AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING OR FACILITY.
6. DEAD-END FIRE ACCESS ROADS IN EXCESS OF 150 FEET SHALL PROVIDE AN APPROVED AREA FOR TURNING AROUND FIRE APPARATUS.
7. FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET, EXCLUSIVE OF SHOULDERS, EXCEPT FOR APPROVED SECURITY GATES AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 14 FEET, 6 INCHES.
8. FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS WEIGHING AT LEAST 88,000 POUNDS, AND SHALL BE SURFACED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES. THE TERM "ALL-WEATHER DRIVING CAPABILITIES" HAS BEEN INTERPRETED TO MEAN EITHER CONCRETE OR ASPHALT, OR OTHER APPROVED DRIVING SURFACE DESIGNED BY AN ENGINEER AND APPROVED BY THE FIRE DEPARTMENT.
9. "NO PARKING FIRE LANE" SIGNS ARE REQUIRED IN AREAS THAT MEET THE FOLLOWING CRITERIA AND IN AREAS DESIGNED BY THE CASTLE ROCK FIRE DEPARTMENT. SIGNS SHALL BE POSTED ON BOTH SIDES OF FIRE ACCESS ROADWAYS, PUBLIC O PRIVATE ROADWAYS AND DRIVEWAYS LESS THAN 226 FEET WIDE. SIGNS SHALL BE POSTED ON ONE SIDE ONLY OF FIRE ACCESS ROADWAYS, PUBLIC OR PRIVATE ROADWAYS OR DRIVEWAYS BETWEEN 26 FEET WIDE AND 32 FEET WIDE. NO SIGNAGE IS REQUIRED FOR FIRE ACCESS ROADWAYS, PUBLIC OR PRIVATE ROADWAYS OR DRIVEWAYS GREATER THAN OR EQUAL TO 32 FEET WIDE.
10. "FIRE LANE NO PARKING" CURB MARKING. ALL DESIGNATED LANES SHALL BE ACCOMPANIED WITH CURB MARKINGS ON A WEATHER RESISTANT RED PAINT. REFLECTIVE PAINT MAY BE USED FOR HIGHER VISIBILITY. CURBING SHALL BE LABELED, "NO PARKING - FIRE LANE" IN ALL UPPER CASE LETTERS. LETTERING SHALL BE NO LESS THAN THREE INCHES (3") HIGH WITH WHITE LETTERING ON A RED BACKGROUND AND PLACED ON THE FACE AND TOP OF THE CURB. LETTERING SHALL BE LOCATED NO MORE THAN FIFTY FEET (50') APART AND WITHIN FIVE FEET (5') OF THE BEGINNING AND END OF ANY FIRE LANE.
11. THE DEVELOPER UNDERSTANDS THAT AS THE PROJECT DEVELOPS THERE MAY BE FIRE AND LIFE SAFETY PROVISIONS OF THE TOWN OF CASTLE ROCK ADOPTED INTERNATIONAL FIRE CODE (IFC) OR COMMUNITY WILDFIRE PROTECTION PLAN (CWPP) THAT MAY ARISE, AND WERE NOT CLEARLY VISIBLE DURING THE INITIAL REVIEWS, BUT MAY REQUIRE CORRECTIVE ACTION. THESE ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO: FIRE FLOW REQUIREMENTS, FIRE HYDRANT PLACEMENT, ACCESS, ETC.

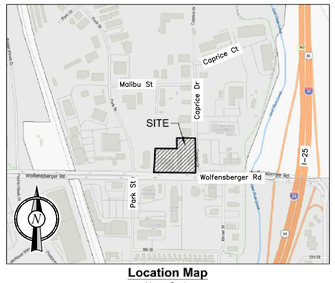
BENCHMARKS:

BM #102: SET MAG NAIL WITH WASHER IN ASPHALT ON THE SOUTHEAST SIDE OF A WATER METER LOCATED NEAR THE NORTHWEST CORNER OF LOT 1A. ELEV=6171.73

BM #105: SET MAG NAIL WITH WASHER IN ASPHALT PARKING LOT NEAR THE SOUTHEAST CORNER OF LOT 1A. ELEV=6175.39

MODIFIED STATE PLANE (MSP) COORDINATE AJUSTMENTS: MSP NORTHING - 194.5183' = ADJUSTED NORTHING COORDINATE
MSP EASTING - 61.8685' = ADJUSTED EASING COORDINATE
NAVD 88 ELEVATION - 0.27' = ADJUSTED ELEVATION.

NOTE: CONSTRUCTION STAKING SURVEYOR SHALL VERIFY HORIZONTAL & VERTICAL CONTROLS PRIOR TO COMMENCING PROJECT STAKING ACTIVITIES. PROJECT BENCHMARKS WILL BE DEMOLISHED. THE CONTRACTOR IS RESPONSIBLE FOR SETTING NEW CONSTRUCTION BENCHMARKS PRIOR TO THE START OF DEMOLITION.



Location Map
Not to Scale

LAND USE SUMMARY TABLE		
Zoning	ZONE B WOLFENSBERGER OVERLAY	
Planned Development	LOT 1A, WILLIAMS SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED	
DEVELOPMENT STANDARDS		
	Ex Zoning Wolfensberger Overlay Standards	**Proposed QT**
Permitted Uses		
Lot Coverage	100%	8.00%
Total Non-Residential Acreage		1.8485
Floor Area Ratio (FAR)	N/A	N/A
Maximum Canopy Height	35'-0"	24'-0"
Maximum Building Height	35'-0"	20'-0"
Setbacks		
Minimum Front Yard	15' (Caprice Drive)	15'
Minimum Side Yard	0'	0'
Minimum Side to Street	0'	8'
Minimum Rear Yard	10'	10'
Minimum Parking Requirements	46	48
SITE UTILIZATION TABLE		
	S.F.	% of Total
Lot 1A Village North Building Coverage	6,445	15%
Lot 1A Village North Open Space/Landscape	9,706	22%
Lot 1A Village North Pavement/Impervious	27,409	63%
Lot 1A Village North Total Area	43,560	100%
Lot 1A William's Canopy Coverage	7,286	20%
Lot 1A William's Open Space/Landscape	10,583	28%
Lot 1A William's Pavement/Impervious	19,091	52%
Lot 1A William's Total Area	36,960	100%
Total Project Area Coverage	80,520	
Private Open Space (OSP-#)	20,289	25%
Public Open Space (OSD-#)	0	0%
Public Land Dedication (PLD-#)	0	0%
Total Open Space	20,289	25%
Right-of-Way (ROW)	0	0%
MISCELLANEOUS DETAIL		
Mineral Rights	Severed	
Water Pressure Zone	2 (Yellow)	
Floodplain	No	
FEMA Flood Zone	08035C0188G	
Skyline/Ridgeline Area	No	
Residential/NonResidential Applicable	No	
Dissimilar Residential Applicable	No	

SHEET INDEX

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7 OF 18	LANDSCAPE PLAN
8 OF 18	BUILDING ELEVATIONS
9 OF 18	CANOPY ELEVATIONS
10 OF 18	MISCELLANEOUS ELEVATIONS
11 OF 18	MATERIAL BOARD
12 OF 18	PHOTOMETRIC SITE PLAN
13 OF 18	SITE LIGHTING CUT SHEETS
14 OF 18	SITE LIGHTING TYPE B CUT SHEETS
15 OF 18	SITE LIGHTING POLE CUT SHEETS
16 OF 18	AUTO CANOPY LIGHTING CUT SHEETS
17 OF 18	BUILDING CANOPY LIGHTING CUT SHEETS
18 0F 18	BUILDING WALL LIGHTING CUT SHEETS

PROJECT OBJECTIVE:

INFILL CONSTRUCTION OF A CONVENIENCE STORE WITH FUEL OFFERING

LEGAL DESCRIPTION AS PROVIDED BY TITLE COMPANY:

PARCEL 1

LOT 1A, WILLIAM'S SUBDIVISION, ACCORDING TO THE LOT LINE VACATION REF #2026012615, COUNTY OF DOUGLAS, STATE OF COLORADO.

PARCEL 2 (PER FIDELITY NATIONAL TITLE FILE NO. 100-00505502-201-TH7-NB)

LOT 1A, VILLAGE NORTH AMENDED, ACCORDING TO THE PLAT THEREOF RECORDED JULY 7, 1980 AT RECEPTION NO. 254392, COUNTY OF DOUGLAS, STATE OF COLORADO.

PROJECT CONTACT LIST:

SURVEYOR OF RECORD
DAVID DUSDAL, PLS
FARNSWORTH GROUP
TEL: (970) 484-7477
CELL: (970) 217-2450
ddusdal@F-W.com

ENGINEER OF RECORD
DARLA K HOLMAN, P.E.
MIDWEST DESIGN GROUP
P.O. BOX 860015
SHAWNEE, KS 66286-0015
CELL: (913) 530-4706
darla@mdg-kc.com

DEVELOPER/OWNER
TARA LIMBACH
RE PROJECT MANAGER
QUIKTRIP CORPORATION
5725 FOXRIDGE DRIVE
MISSION, KS 66202
TEL: (913) 905-2070
CELL: (816) 729-1393
tlimbach@quiktrip.com

QT CIVIL PROJECT MANAGER
ASHLEY GOODRICH
QUIKTRIP CORPORATION
CORPORATE OFFICE
4705 SOUTH 129TH E AVE
TULSA, OK 74134-7008
TEL: (918) 615-7273
agoodric@quiktrip.com

WATERSHED:

PLUM CREEK

WATER PRESSURE ZONE:

2 (YELLOW)

SURVEYOR'S CERTIFICATE

I, DAVID B. DUSDAL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THE SURVEY AND LEGAL DESCRIPTION REPRESENTED BY THIS SITE DEVELOPMENT PLAN WAS MADE UNDER MY SUPERVISION AND THE MONUMENTS SHOWN THEREON ACTUALLY EXIST AND THIS SITE DEVELOPMENT PLAN ACCURATELY REPRESENTS THAT SURVEY.

DAVID B. DUSDAL, RLS #28650 DATE

CIVIL ENGINEER'S STATEMENT

I, DARLA K. HOLMAN, BEING A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF COLORADO, HEREBY ATTEST THAT ALL ROADWAY, GRADING, UTILITY AND DRAINAGE IMPROVEMENTS IDENTIFIED ON THIS SIDE DEVELOPMENT PLAN HAVE BEEN DESIGNATED AND ENGINEERED IN CONFORMANCE WITH ALL TOWN OF CASTLE ROCK PUBLIC WORKS CONSTRUCTION STANDARDS.

DARLA K. HOLMAN, PE.0056104 DATE

OWNERSHIP CERTIFICATION AS TO LOT 1A, WILLIAM'S SUBDIVISION (LOT CONSOLIDATION)

THE UNDERSIGNED ARE ALL THE OWNERS OF CERTAIN LANDS IN THE TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS AND STATE OF COLORADO DESCRIBED HEREIN.

HARLAN H. WILLIAMS FAMILY TRUST AND CLAUDINE WILLIAMS, AS THEIR INTERESTS MAY APPEAR
SIGNED THIS ___DAY OF _____, 2026

NOTARY BLOCK

SUBSCRIBED AND SWORN TO BEFORE ME THIS ___ DAY OF _____, 2026
BY _____

WITNESS MY HAND AND OFFICIAL SEAL.

NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

OWNERSHIP CERTIFICATION AS TO LOTS 1A, VILLAGE NORTH AMENDED

THE UNDERSIGNED ARE ALL THE OWNERS OF CERTAIN LANDS IN THE TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS AND STATE OF COLORADO DESCRIBED HEREIN.

BERKENKOTTER HOLDINGS LLC, A COLORADO LIMITED LIABILITY COMPANY
SIGNED THIS ___DAY OF _____, 2026

NOTARY BLOCK

SUBSCRIBED AND SWORN TO BEFORE ME THIS ___ DAY OF _____, 2026
BY _____

WITNESS MY HAND AND OFFICIAL SEAL.

NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

LIENHOLDER SUBORDINATION CERTIFICATE AS TO LOT 1A, VILLAGE NORTH AMENDED

THE UNDERSIGNED ARE ALL THE MORTGAGEES AND LIENHOLDERS OF CERTAIN LANDS IN THE TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS AND STATE OF COLORADO DESCRIBED HEREON. THE UNDERSIGNED BENEFICIARY OF THE LIEN CRATED BY THE INSTRUMENTS RECORDED ON JULY 2, 2021 AT RECEPTION NO. 2021081115, AND RECORDED ON APRIL 26, 2022 AT RECEPTION NO. 2022030006, DOUGLAS COUNTY, COLORADO, SUBORDINATES AND SUBJECT LIEN TO THE TERMS, CONDITIONS AND RESTRICTIONS OF THIS DOCUMENT.

FIRST NATIONAL BANK OF LAS ANIMAS
SIGNED THIS ___DAY OF _____, 2026

NOTARY BLOCK

SUBSCRIBED AND SWORN TO BEFORE ME THIS ___ DAY OF _____, 2026
BY _____

WITNESS MY HAND AND OFFICIAL SEAL.

NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

TITLE CERTIFICATION

I, _____, AN AUTHORIZED REPRESENTATIVE OF_____, A TITLE INSURANCE COMPANY LICENSED TO DO BUSINESS IN THE STATE OF COLORADO, HAVE MADE AN EXAMINATION OF THE PUBLIC RECORDS AND STATE THAT ALL OWNERS, MORTGAGES AND LIENHOLDERS OF THE PROPERTY ARE LISTED IN THE CERTIFICATE OF OWNERSHIP AND LEINHOLDER SUBORDINATION CERTIFICATE.

AUTHORIZED REPRESENTATIVE

TITLE COMPANY
SIGNED THIS ___DAY OF _____, 2026

NOTARY BLOCK

SUBSCRIBED AND SWORN TO BEFORE ME THIS ___ DAY OF _____, 2026
BY _____ AS AUTHORIZED REPRESENTATIVE

OF _____

WITNESS MY HAND AND OFFICIAL SEAL.

NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

STATEMENT OF DIRECTOR OF DEVELOPMENT SERVICES APPROVAL

THIS SITE DEVELOPMENT PLAN WAS APPROVED BY THE DIRECTOR OF DEVELOPMENT SERVICES OF THE TOWN OF CASTLE ROCK, COLORADO ON THE ___DAY OF_____,2026.

DIRECTOR OF DEVELOPMENT SERVICES

COLORADO LICENSED DARLA K. HOLMAN PE.0056104 PROFESSIONAL ENGINEER

PROJECT NO.:83-4273

MDG
Midwest Design Group
Kansas City
PO Box 860015
Shawnee, KS 66286-0015

SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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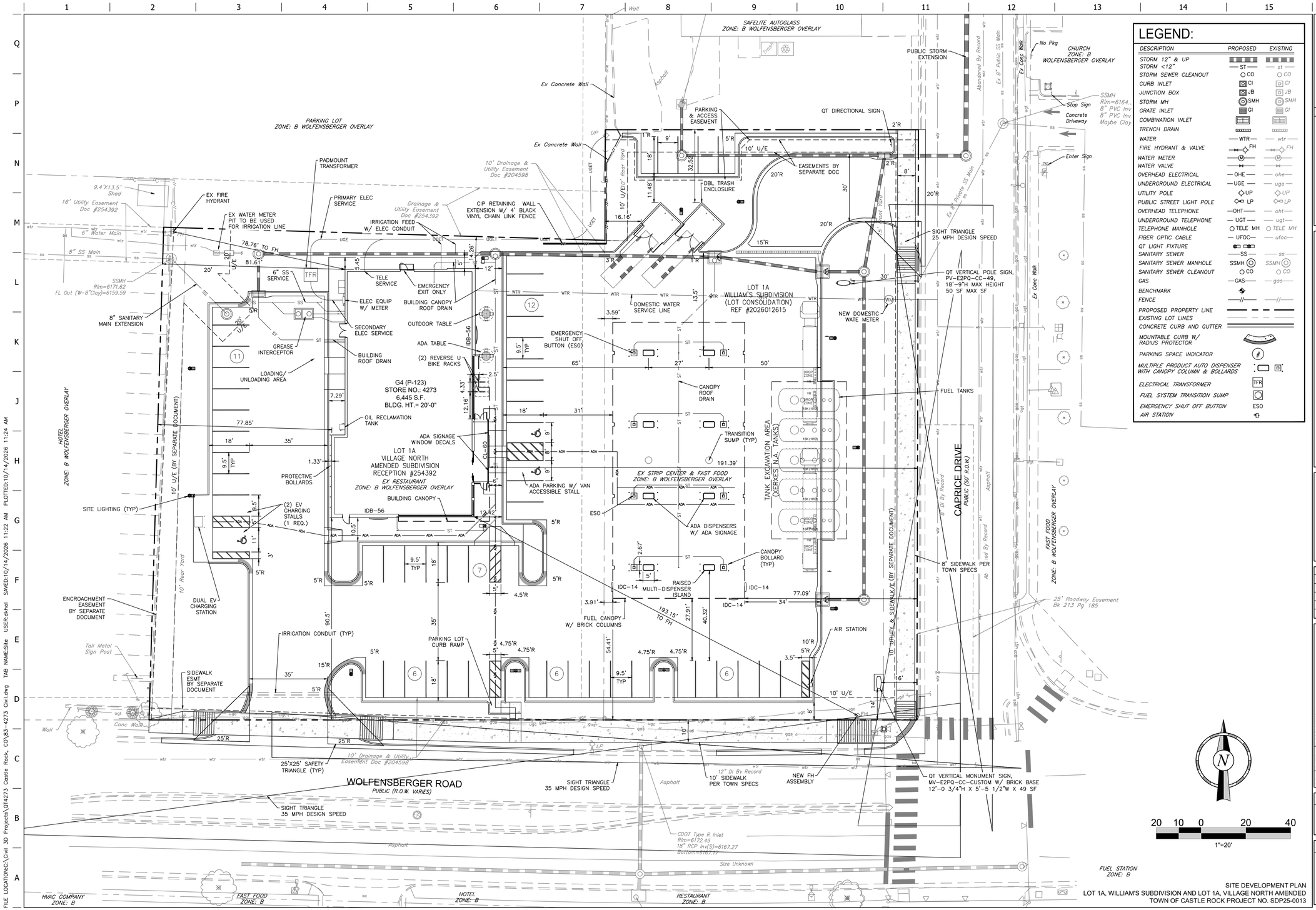
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VERSION:	001
DESIGNED BY:	DKH
DRAWN BY:	CSH
REVIEWED BY:	AMG

REV	DATE	DESCRIPTION
		ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
COVER SHEET

SHEET NUMBER:
1 OF 18

FILE LOCATION:C:\Civil 3D Projects\QT4273 Castle Rock, CO\83-4273 Civil.dwg TAB NAME:Cover USER:dkhol SAVED:10/14/2026 11:22 AM PLOTTED:10/14/2026 11:51 AM



LEGEND:

DESCRIPTION	PROPOSED	EXISTING
STORM 12" & UP / STORM <12"	ST	st
STORM SEWER CLEANOUT	CO	CO
CURB INLET	CI	CI
JUNCTION BOX	JB	JB
STORM MH	SMH	SMH
GRATE INLET	GI	GI
COMBINATION INLET		
TRENCH DRAIN		
WATER	WTR	wtr
FIRE HYDRANT & VALVE	FH	FH
WATER METER	M	M
WATER VALVE		
OVERHEAD ELECTRICAL	OHE	ohe
UNDERGROUND ELECTRICAL	UGE	uge
UTILITY POLE	UP	UP
PUBLIC STREET LIGHT POLE	LP	LP
OVERHEAD TELEPHONE	OHT	oht
UNDERGROUND TELEPHONE	UGT	ugt
TELEPHONE MANHOLE	TELE MH	TELE MH
FIBER OPTIC CABLE	UFOC	ufoc
QT LIGHT FIXTURE		
SANITARY SEWER	SS	ss
SANITARY SEWER MANHOLE	SSMH	SSMH
SANITARY SEWER CLEANOUT	CO	CO
GAS	GAS	gas
BENCHMARK		
FENCE		
PROPOSED PROPERTY LINE		
EXISTING LOT LINES		
CONCRETE CURB AND GUTTER		
MOUNTABLE CURB W/ RADIUS PROTECTOR		
PARKING SPACE INDICATOR		
MULTIPLE PRODUCT AUTO DISPENSER WITH CANOPY COLUMN & BOLLARDS		
ELECTRICAL TRANSFORMER	TFR	
FUEL SYSTEM TRANSITION SUMP		
EMERGENCY SHUT OFF BUTTON	ESO	
AIR STATION		

COLORADO LICENSED
DARLA K. HOLMAN
PE.0056104
PROFESSIONAL ENGINEER

PROJECT NO.:83-4273

MG
Midwest Design Group
Kansas City
PO Box 860015
Shawnee, KS 66286-0015

SITE DEVELOPMENT PLAN

QuikTrip No. 4273

WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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DRAWN BY:	CSH
REVIEWED BY:	AMG

REV	DATE	DESCRIPTION

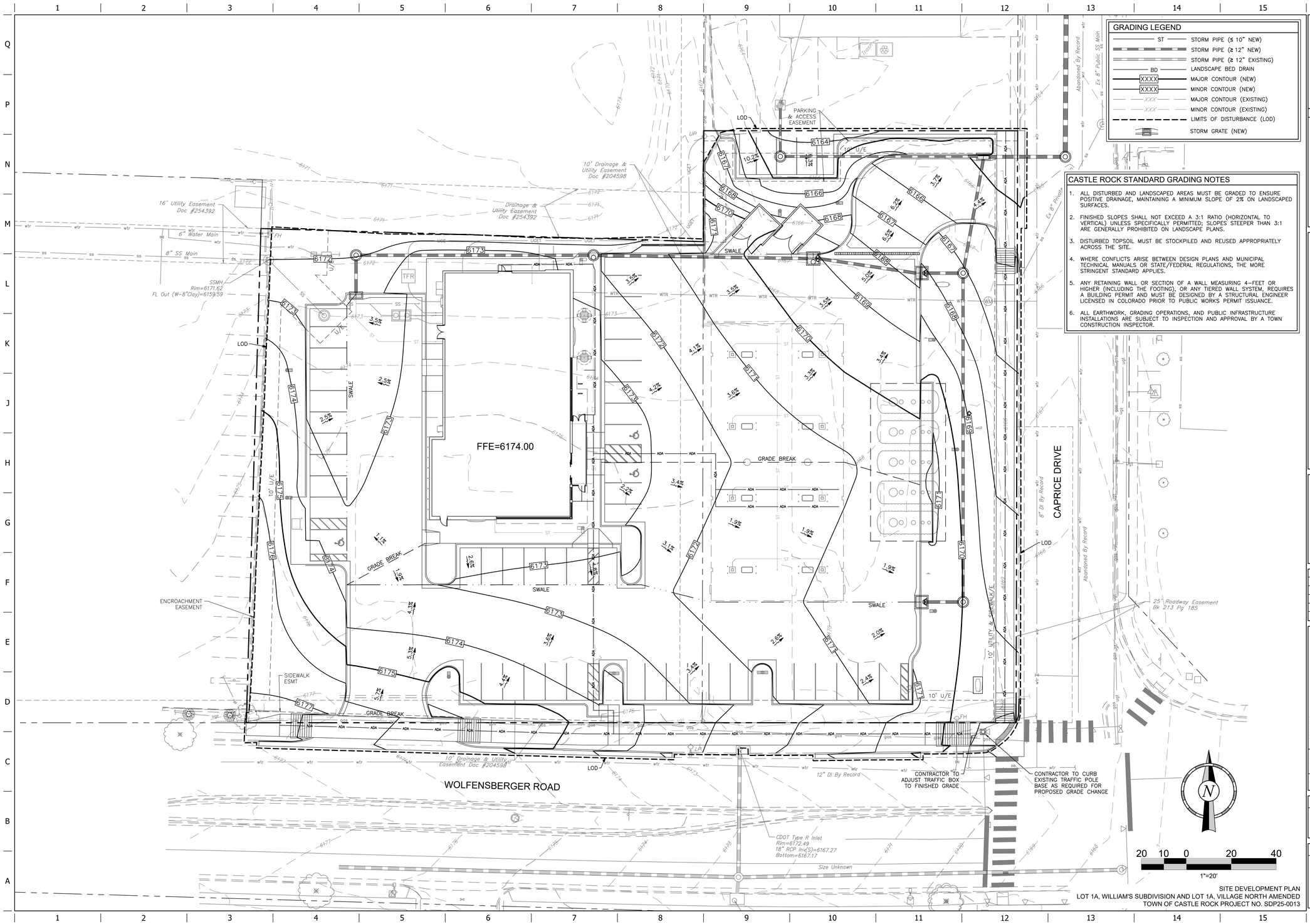
ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
SITE PLAN

SHEET NUMBER:
2 OF 18

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

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GRADING LEGEND

- ST — STORM PIPE (≤ 10" NEW)
- STORM PIPE (≥ 12" NEW)
- STORM PIPE (≥ 12" EXISTING)
- BD — LANDSCAPE BED DRAIN
- XXXX — MAJOR CONTOUR (NEW)
- XXXX — MINOR CONTOUR (NEW)
- XXX — MAJOR CONTOUR (EXISTING)
- XXX — MINOR CONTOUR (EXISTING)
- LIMITS OF DISTURBANCE (LOD)
- STORM GRATE (NEW)

CASTLE ROCK STANDARD GRADING NOTES

1. ALL DISTURBED AND LANDSCAPED AREAS MUST BE GRADED TO ENSURE POSITIVE DRAINAGE, MAINTAINING A MINIMUM SLOPE OF 2% ON LANDSCAPED SURFACES.
2. FINISHED SLOPES SHALL NOT EXCEED A 3:1 RATIO (HORIZONTAL TO VERTICAL) UNLESS SPECIFICALLY PERMITTED; SLOPES STEEPER THAN 3:1 ARE GENERALLY PROHIBITED ON LANDSCAPE PLANS.
3. DISTURBED TOPSOIL MUST BE STOCKPILED AND REUSED APPROPRIATELY ACROSS THE SITE.
4. WHERE CONFLICTS ARISE BETWEEN DESIGN PLANS AND MUNICIPAL TECHNICAL MANUALS OR STATE/FEDERAL REGULATIONS, THE MORE STRINGENT STANDARD APPLIES.
5. ANY RETAINING WALL OR SECTION OF A WALL MEASURING 4—FEET OR HIGHER (INCLUDING THE FOOTING), OR ANY TIERED WALL SYSTEM, REQUIRES A BUILDING PERMIT AND MUST BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN COLORADO PRIOR TO PUBLIC WORKS PERMIT ISSUANCE.
6. ALL EARTHWORK, GRADING OPERATIONS, AND PUBLIC INFRASTRUCTURE INSTALLATIONS ARE SUBJECT TO INSPECTION AND APPROVAL BY A TOWN CONSTRUCTION INSPECTOR.

SITE DEVELOPMENT PLAN

SITE DEVELOPMENT PLAN
OVERALL GRADING PLAN

SHEET NUMBER:
3 OF 18

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

COLORADO LICENSED PROFESSIONAL ENGINEER
DARLA K. HOLMAN
PE.0056104

PROJECT NO.:83-4273

MG
Midwest Design Group
Kansas City
PO Box 860015
Shawnee, KS 66286-0015

QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

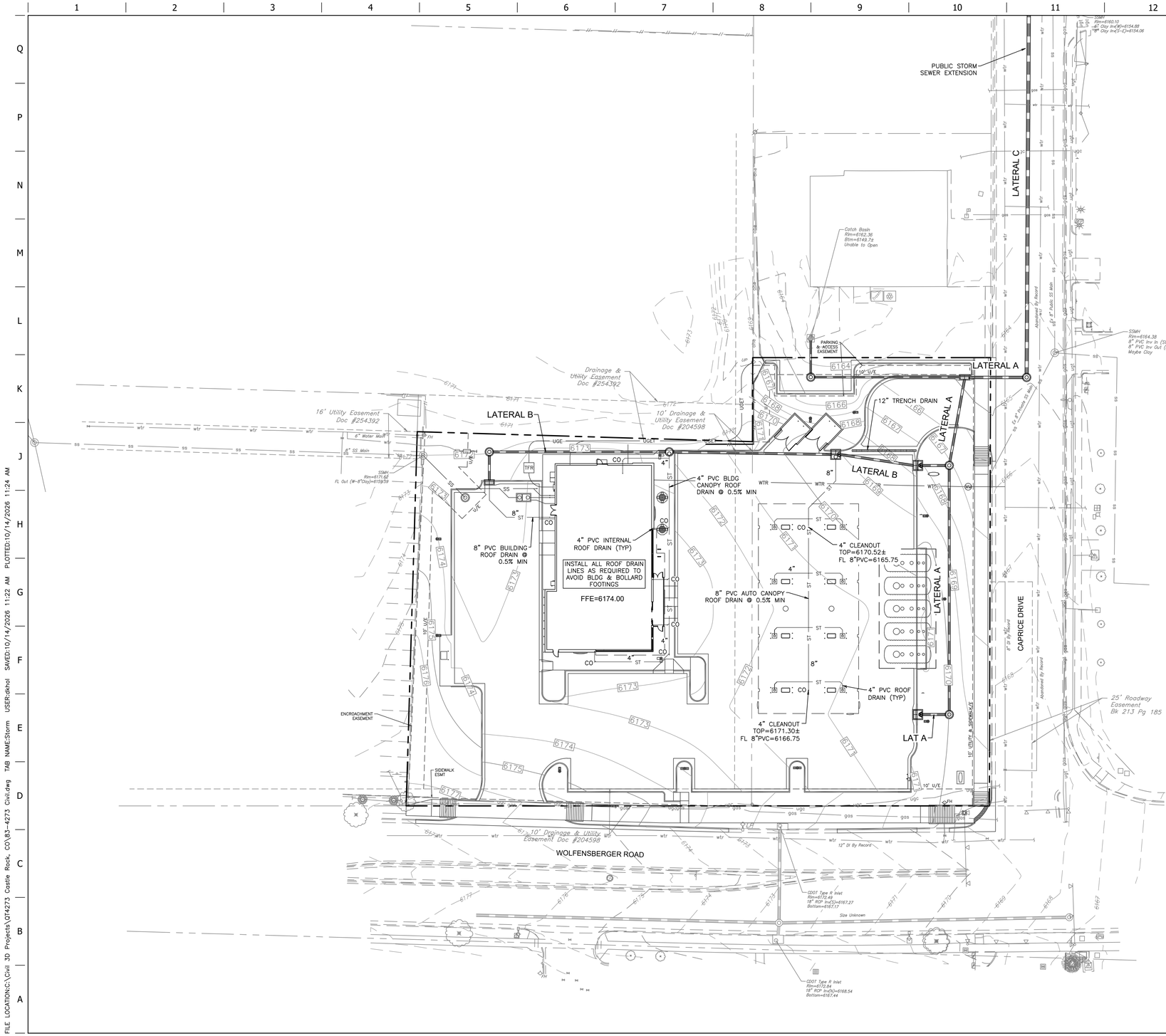
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DIVISION:	83
VERSION:	001
DESIGNED BY:	DKH
DRAWN BY:	CSH
REVIEWED BY:	AMG

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 10/14/2026

FILE LOCATION:C:\Civil 3D Projects\QT4273 Castle Rock, CO\83-4273 Civil.dwg TAB NAME:Grading USER:dkhol SAVED:10/14/2026 11:22 AM PLOTTED:10/14/2026 11:24 AM



STORM SEWER LEGEND

- ST — STORM PIPE (< 10" NEW)
- BD — LANDSCAPE BED DRAIN
- STORM PIPE (> 12" NEW)
- STORM PIPE (> 12" EXISTING)
- XXXX — MAJOR CONTOUR (NEW)
- XXXX — MINOR CONTOUR (NEW)
- XXX — MAJOR CONTOUR (EXISTING)
- XXX — MINOR CONTOUR (EXISTING)
- STORM GRATE (NEW)
- STORM SEWER JUNCTION BOX/MH

CASTLE ROCK STANDARD STORM SEWER NOTES:

1. PIPE MATERIAL: ALL STORM DRAINAGE PIPES MUST BE REINFORCED CONCRETE PIPE (RCP) CONFORMING TO ASTM C76, CLASS III AS A MINIMUM, INSTALLED WITH FLEXIBLE PLASTIC (BITUMEN) GASKETS PER MANUFACTURER INSTRUCTIONS.
2. TRAFFIC AREAS: ANY STORM DRAINAGE PIPE PLACED UNDER PROPOSED OR FUTURE TRAFFIC AREAS REQUIRES CLASS II RCP MINIMUM, RCP DESIGNED FOR JACKING MUST BE CLASS V MINIMUM.
3. MINIMUM COVER: STORM DRAINAGE PIPES REQUIRE A MINIMUM COVER OF 24 INCHES UNLESS SPECIFIC LOAD CALCULATIONS ARE PROVIDED. UNDER NO CONDITION SHALL COVER BE LESS THAN 18 INCHES FROM THE FINISHED SURFACE TO THE OUTSIDE CROWN OF THE PIPE.
4. BEDDING: ALL STORM DRAINAGE PIPING MUST BE BEDDED IN ACCORDANCE WITH TOWN STANDARD DETAIL SD-2.
5. UTILITY SEPARATION: MINIMUM HORIZONTAL SEPARATION FROM WATER LINES AND SANITARY SEWERS IS 10 FEET.
6. MAINTENANCE ACCESS: PROPERTY OWNERS ARE RESPONSIBLE FOR CONTINUOUS MAINTENANCE OF ALL ON-SITE DRAINAGE FACILITIES (INLETS, PIPES, CULVERTS, CHANNELS, DETENTION BASINS) UNLESS MODIFIED BY A SUBDIVISION IMPROVEMENTS AGREEMENT.

N

30 15 0 30 60

1"=30'

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

COLORADO LICENSED
DARLA K. HOLMAN
PE.0056104
PROFESSIONAL ENGINEER

PROJECT NO.:83-4273

MDG
Midwest Design Group
Kansas City
PO Box 860015
Shawnee, KS 66286-0015

SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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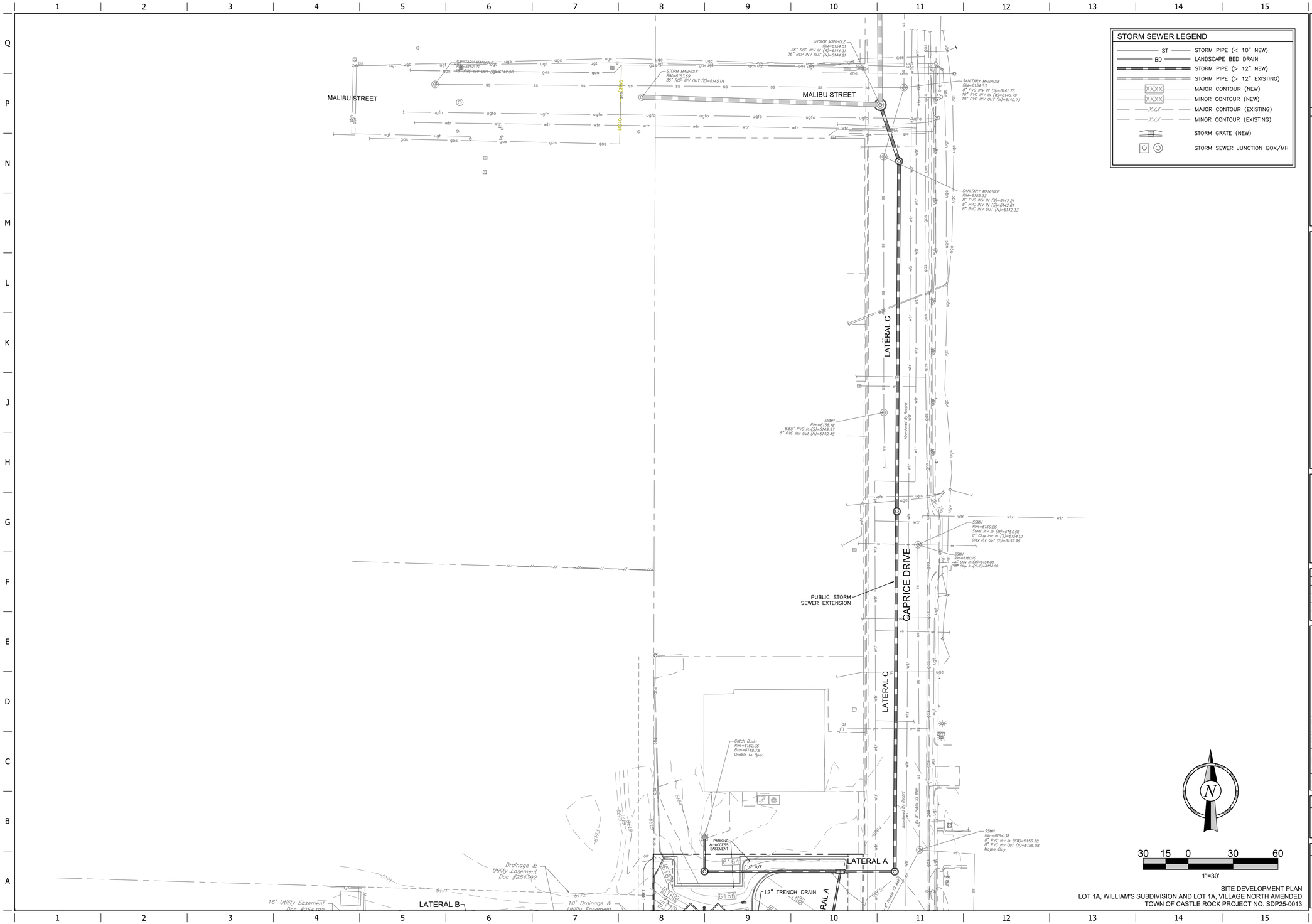
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ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
OVERALL STORM PLAN
(SOUTH)

SHEET NUMBER:
4 OF 18

FILE LOCATION:C:\Civil 3D Projects\QT4273 Castle Rock, CO\83-4273 Civil.dwg TAB NAME:Storm USER:dkhol SAVED:10/14/2026 11:22 AM PLOTTED:10/14/2026 11:24 AM



STORM SEWER LEGEND

ST	STORM PIPE (< 10" NEW)
BD	LANDSCAPE BED DRAIN
	STORM PIPE (> 12" NEW)
	STORM PIPE (> 12" EXISTING)
XXXX	MAJOR CONTOUR (NEW)
XXXX	MINOR CONTOUR (NEW)
XXX	MAJOR CONTOUR (EXISTING)
XXX	MINOR CONTOUR (EXISTING)
	STORM GRATE (NEW)
	STORM SEWER JUNCTION BOX/MH

30 15 0 30 60

1"=30'

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

COLORADO LICENSED
DARLA K. HOLMAN
PE.0056104
PROFESSIONAL ENGINEER

PROJECT NO.:83-4273

Midwest Design Group
Kansas City
PO Box 860015
Shawnee, KS 66286-0015

SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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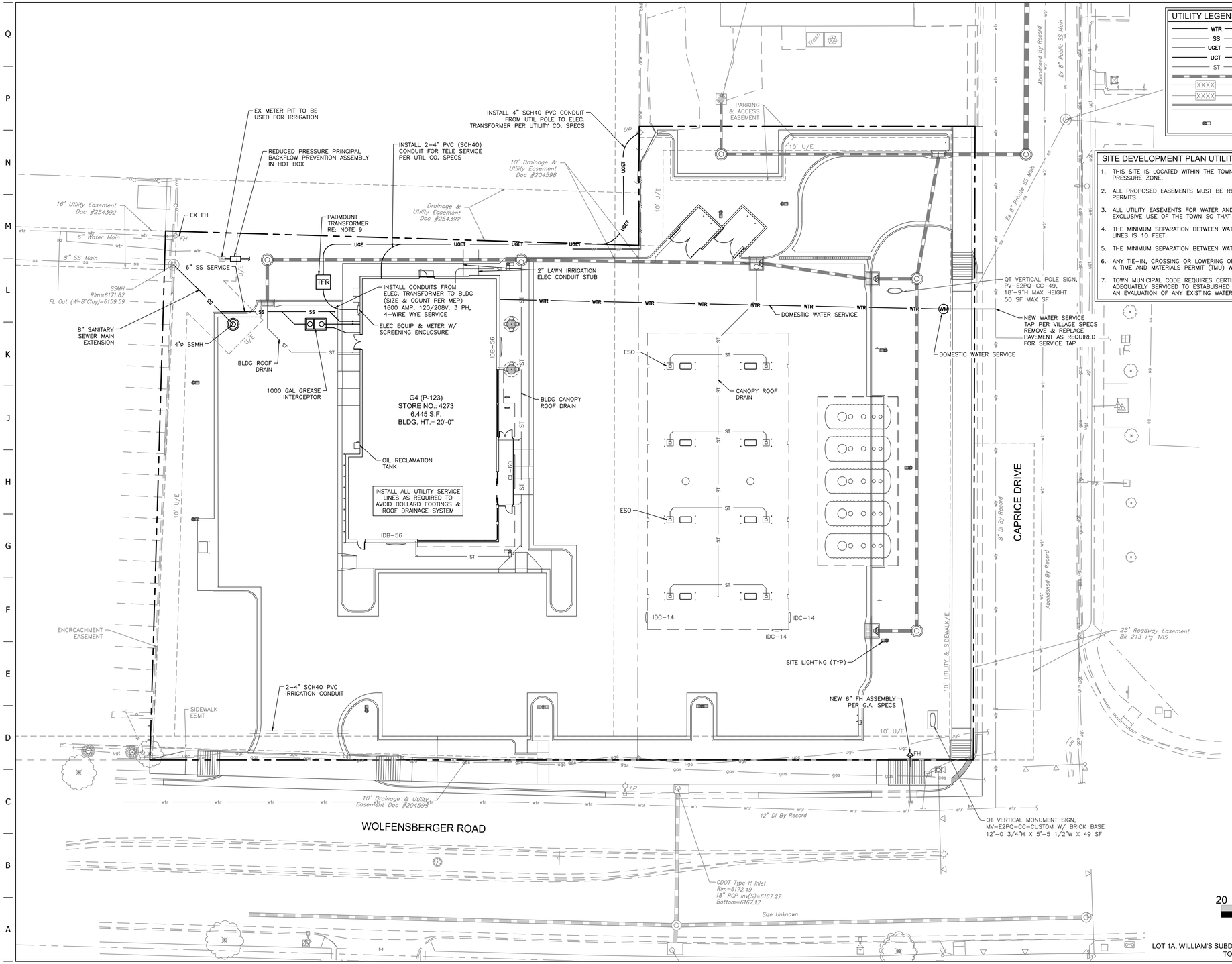
REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
OVERALL STORM PLAN
(NORTH)

SHEET NUMBER:
5 OF 18

FILE LOCATION:C:\Civil 3D Projects\QT4273 Castle Rock, CO\83-4273 Civil.dwg TAB NAME:Storm (2) USER:dkhol SAVED:10/14/2026 11:22 AM PLOTTED:10/14/2026 11:24 AM



SITE DEVELOPMENT PLAN UTILITY NOTES:

1. THIS SITE IS LOCATED WITHIN THE TOWN OF CASTLE ROCK MEADOWS YELLOW WATER PRESSURE ZONE.
2. ALL PROPOSED EASEMENTS MUST BE RECORDED PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS.
3. ALL UTILITY EASEMENTS FOR WATER AND WASTEWATER LINES SHALL BE FOR THE EXCLUSIVE USE OF THE TOWN SO THAT ACCESS AND MAINTENANCE MAY BE PERFORMED.
4. THE MINIMUM SEPARATION BETWEEN WATERLINES, SANITARY SEWER AND STORM SEWER LINES IS 10 FEET.
5. THE MINIMUM SEPARATION BETWEEN WATER SERVICE LINES IS 5 FEET.
6. ANY TIE–IN, CROSSING OR LOWERING OF TOWN CRITICAL INFRASTRUCTURE WILL REQUIRE A TIME AND MATERIALS PERMIT (TMU) WITH FEES REQUIRED PRIOR TO CONSTRUCTION.
7. TOWN MUNICIPAL CODE REQUIRES CERTIFICATION THAT THE REDEVELOPMENT CAN BE ADEQUATELY SERVICED TO ESTABLISHED AND RECOGNIZED STANDARDS AND THIS INVOLVES AN EVALUATION OF ANY EXISTING WATER AND SANITARY SEWER SERVICES AND METERS.

20 10 0 20 40
1"=20'

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

COLORADO LICENSED
DARLA K. HOLMAN
PE.0056104
PROFESSIONAL ENGINEER

PROJECT NO.:83-4273

MG
Midwest Design Group
Kansas City
PO Box 860015
Shawnee, KS 66286-0015

SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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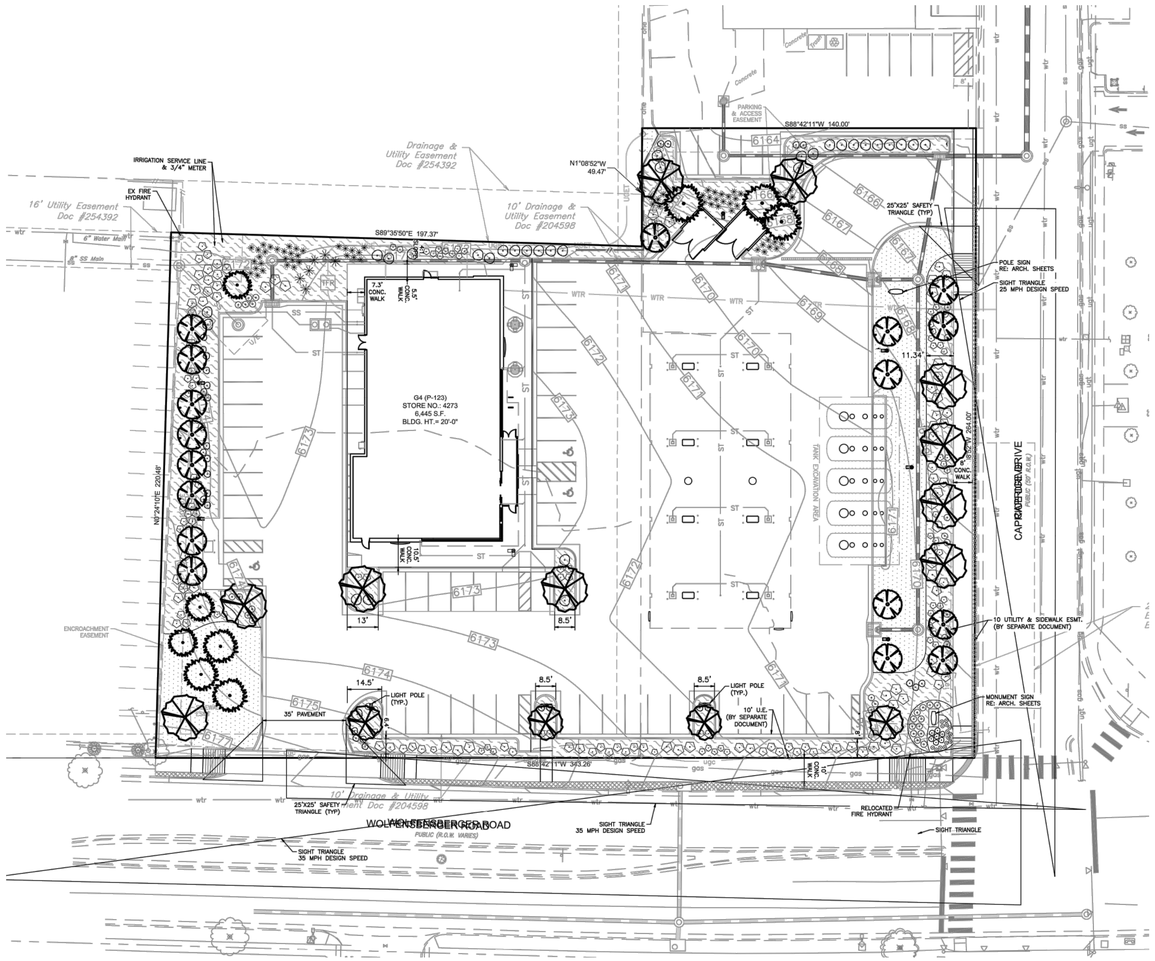
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REVIEWED BY:	AMG

REV	DATE	DESCRIPTION
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SHEET TITLE:
SITE DEVELOPMENT PLAN
UTILITY PLAN

SHEET NUMBER:
6 OF 18

FILE LOCATION:C:\Civil 3D Projects\QT4273 Castle Rock, CO\83-4273 Civil.dwg TAB NAME:Utility USER:dkhol SAVED:10/14/2026 11:22 AM PLOTTED:10/14/2026 11:24 AM



LEGEND:

DESCRIPTION	PROPOSED	EXISTING
STORM 12" & UP STORM <12"	ST	st
STORM SEWER CLEANOUT	CO	CO
STORM MH	SMH	SMH
COMBINATION INLET		
TRENCH DRAIN		
WATER	WTR	wtr
FIRE HYDRANT & VALVE	FH	FH
WATER METER	M	M
WATER VALVE		
OVERHEAD ELECTRICAL	OHE	ohe
UNDERGROUND ELECTRICAL	UGE	uge
UTILITY POLE	UP	UP
PUBLIC STREET LIGHT POLE	LP	LP
OVERHEAD TELEPHONE	OHT	oht
UNDERGROUND TELEPHONE	UGT	ugt
TELEPHONE MANHOLE	TELE MH	TELE MH
FIBER OPTIC CABLE	UFOC	ufoc
QT LIGHT FIXTURE		
SANITARY SEWER	SS	ss
SANITARY SEWER MANHOLE	SSMH	SSMH
SANITARY SEWER CLEANOUT	CO	CO
GAS	GAS	gas
PROPOSED PROPERTY LINE		
EXISTING LOT LINES		
CONCRETE CURB AND GUTTER		
MULTIPLE PRODUCT AUTO DISPENSER WITH CANOPY COLUMN & BOLLARDS		
ELECTRICAL TRANSFORMER	TFR	
FUEL SYSTEM TRANSITION SUMP		
EMERGENCY SHUT OFF BUTTON	ESO	
AIR STATION		
ANGULAR GRANITE ROCK MULCH, 1 1/2" SIZE		
ROCK COBBLE MULCH, 3"-6" SIZE		

PLANT SCHEDULE

Please add values/quantities in the shaded areas

DECIDUOUS SHADE TREES HYDROZONE L M QUANTITY 14

LARGE CANOPY DECIDUOUS SHADE TREES SHALL BE A MINIMUM OF 2" INCHES IN CALIPER MEASURED SIX (6) INCHES ABOVE GROUND

LARGE CANOPY DECIDUOUS SHADE TREES SHALL BE A MINIMUM OF 3" INCHES IN CALIPER WHEN IN A GRATE OR PLANTED IN AREAS LESS THAN EIGHT (8) FEET IN WIDTH

DECIDUOUS ORNAMENTAL TREES HYDROZONE L M QUANTITY 17

ORNAMENTAL TREES SHALL BE A MINIMUM OF 1.5" INCHES IN CALIPER, MEASURED SIX (6) INCHES ABOVE GROUND

EVERGREEN TREES HYDROZONE V L L QUANTITY 9

EVERGREEN TREES SHALL BE A MINIMUM OF 6 FEET IN HEIGHT, MEASURED TO THE MID-POINT OF THE MOST RECENT YEAR'S GROWTH

DECIDUOUS SHRUBS HYDROZONE V L L M QUANTITY 178

SHRUBS SHALL BE A MINIMUM OF FIVE (5) GALLON CONTAINER IN SIZE

EVERGREEN SHRUBS HYDROZONE L QUANTITY 70

SHRUBS SHALL BE A MINIMUM OF FIVE (5) GALLON CONTAINER IN SIZE

ORNAMENTAL GRASSES HYDROZONE V L L QUANTITY 72

ORNAMENTAL GRASSES SHALL BE A MINIMUM OF FIVE (5) GALLON CONTAINER IN SIZE

PERENNIAL PLANTING BEDS HYDROZONE V L L AREA 50

PERENNIALS, GROUND COVERS, AND VINES SHALL BE A MINIMUM OF ONE (1) GALLON CONTAINER IN SIZE

ANNUAL PLANTING BEDS HYDROZONE AREA 0

ANNUALS SHALL BE SIZED SHALL BE APPROPRIATE TO APPLICATION, WHETHER FLATS, FOUR (4) INCH POTS OR LARGER AND SPACED TO PROVIDE SEVENTY-FIVE (75) PERCENT GROUND COVER

NATIVE SEED HYDROZONE V L L AREA 5,886

GRASS SEED PLANTING QUALITY AND QUANTITY IN IRRIGATED AREAS SHALL BE IN COMPLIANCE WITH NURSERY STANDARDS AND SHALL PROVIDE A MINIMUM GROUND COVER OF EIGHTY (80) PERCENT WITHIN THE FIRST GROWING SEASON

APPROVED NATIVE GRASS SEED MIXES: (Low Grow Mix/Foothills Mix/Colorado Native Mix)

**Choose one symbol for each tree category.*

***Choose one pattern for each category of ground cover, shrubs, and grasses.*

WOLFENSBERGER NORTH ZONING OVERLAY DISTRICT - LANDSCAPING CHART

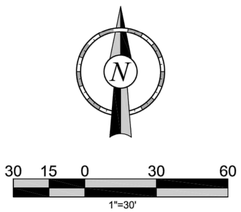
Gross Site Area (SF)	Site Tree Requirement	# of Trees Required	# of Trees Provided
80,520 sf	1 tree / 2,000 sf of site area	40	40
Additional plantings: For every 1 tree required, a corresponding number of additional plantings required. Select **one** of the following plant categories and quantities to incorporate into the landscape plan.			
A. Shrubs	3 per each required tree, or	120	248
B. Flowering plants	6 per each required tree, or	240	
C. Additional Trees	1 per each required tree	40	

IRRIGATION NOTES:

1. IRRIGATED LANDSCAPE AREAS GREATER THAN 5,000 SQUARE FEET ARE TO BE SUPPLIED BY A DEDICATED IRRIGATION METER AND SERVICE LINE.
2. ALL NON-SEED PLANTED BEDS WILL BE DRIP IRRIGATED. TREES IN NON-IRRIGATED SEED AREAS SHALL BE DRIP IRRIGATED. SEEDED AREAS MAY BE TEMPORARILY IRRIGATED FOR ESTABLISHMENT PURPOSES. TEMPORARY IRRIGATION SYSTEMS MUST BE REMOVED AT THE END OF THE TOWN-APPROVED ESTABLISHMENT PERIOD.

SITE DEVELOPMENT PLAN LANDSCAPE NOTES:

1. LANDSCAPE AND IRRIGATION SHALL BE INSTALLED BY A TOWN OF CASTLE ROCK REGISTERED LANDSCAPE CONTRACT PROFESSIONAL.
2. SLOPES STEEPER THAN 3:1 ARE NOT PERMITTED ON LANDSCAPE PLANS IN THE TOWN OF CASTLE ROCK.
3. DISTANCE OF TREES TO WET UTILITY LINES SHALL BE A MINIMUM OF TEN (10) FEET.
4. NO TREES, LARGE SHRUBS, OR PERMANENT STRUCTURES ARE ALLOWED IN WET UTILITY AND DRAINAGE EASEMENTS.
5. FINAL LANDSCAPE AREA, COVERAGE AND PLANT QUANTITIES, SHALL MEET OR EXCEED QUANTITIES REPRESENTED IN THIS DRAWING AND SHALL CONFORM TO SUBSEQUENT SUBMITTAL REQUIREMENTS.
6. LOCATION OF PLANT MATERIALS ARE APPROXIMATED AND MAY CHANGE SLIGHTLY DUE TO UNFORESEEN FIELD CONSTRAINTS.
7. ALL PLANTS ARE TO BE PROPERLY HYDRO ZONED PER TOWN OF CASTLE ROCK PLANT LIST.
8. DESIGN MUST ACCOMMODATE THE WATERING RESTRICTIONS AS OUTLINED IN THE TOWN OF CASTLE ROCK WATER USE MANAGEMENT PLAN (WUMP).
9. IF ANY TRANSFORMERS, GROUND-MOUNTED HVAC UNITS, UTILITY PEDESTALS, OR SIMILAR FEATURES EXISTING ON SITE, BUT NOT SHOWN ON THE SITE DEVELOPMENT PLAN, ADDITIONAL LANDSCAPING AND SCREENING MAY BE REQUIRED BASED UPON FIELD CONDITIONS DETERMINED DURING THE SITE INSPECTION. INSTALLATION WILL BE REQUIRED PRIOR TO THE FINAL INSPECTION AND THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY AS APPLICABLE.
10. NONLIVING LANDSCAPE MATERIAL SUCH AS ROCK, STONE, BARK CHIPS, AND SHAVINGS WHICH NO LONGER COVER THE AREA IN WHICH THEY WERE ORIGINALLY INSTALLED, SHALL BE REGULARLY REPLENISHED TO MAINTAIN THE FULL COVERAGE TO A MINIMUM DEPTH OF TWO (2) INCHES FOR ROCK MULCH AND FOUR (4) INCHES FOR WOOD MULCH.
11. PLANTS AND VEGETATION UNDER THE TOWN OF CASTLE ROCK'S PLANT LIST SHALL BE IN LINE WITH THE ADOPTED CWPP AND FIRE RESISTIVE VEGETATION FOR THE REGION TO MEET THE ADOPTED FIRE CODES BY THE TOWN OF CASTLE ROCK.
12. AN IRRIGATION PLAN IS REQUIRED WITH THE SUBMITTAL OF THE CONSTRUCTION DOCUMENTS.
13. DEAD PLANT MATERIALS SHALL BE REMOVED AND REPLACED WITH HEALTHY PLANTING MATERIALS OF COMPARABLE SIZE AND SPECIES THAT MEET THE ORIGINAL INTENT OF THE APPROVED LANDSCAPE DESIGN WITHIN FORTY-FIVE (45) DAYS OR SOONER IN THE EVENT OF A CONTAGIOUS DISEASE OR INVASIVE INSECT SPECIES. TOWN OF CASTLE ROCK IS NOT RESPONSIBLE FOR PLANT REPLACEMENTS.



PREPARED UNDER THE DIRECT SUPERVISION OF MICHAEL HAAF, COLORADO LANDSCAPE ARCHITECT. REGISTRATION NO. 854 FOR AND ON BEHALF OF FARNSWORTH GROUP, INC.

CASTLE ROCK WATER

MICHAEL HAAF, REGISTERED LANDSCAPE PROFESSIONAL - DESIGN
REGISTRATION NO. CR26-0022 ISSUED 1/8/2026 EXPIRES 12/31/2026

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

PROJECT NO.:83-4273

Farnsworth GROUP
5613 DTC PARKWAY, SUITE 1100
GREENWOOD VILLAGE, COLORADO 80111
(303) 692-8838 / info@f-w.com
www.f-w.com
Engineers | Architects | Surveyors | Scientists

QuikTrip No. 4273

WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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REVIEWED BY: AMG

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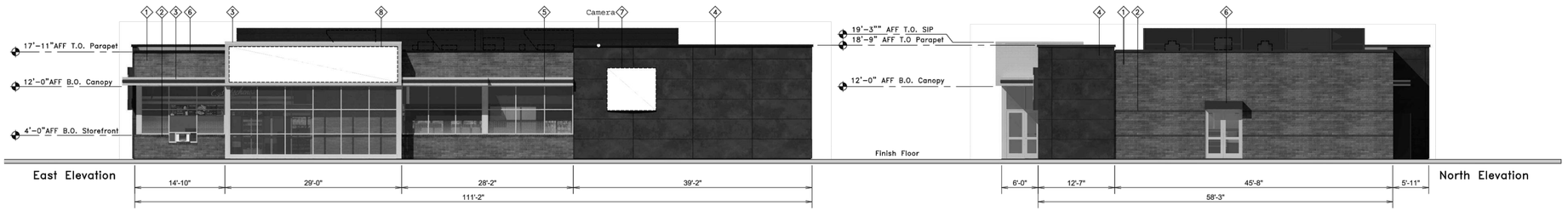
SHEET TITLE:
SITE DEVELOPMENT PLAN
LANDSCAPE PLAN

SHEET NUMBER:
7 OF 18

FILE LOCATION:J:\2024\0240215\6.001 - QuikTrip Castle Rock CO #4273\Landscape\04_Drawings\DWG\83-4273 Civil - Landscape.dwg TAB NAME:SDP LS USER:rmhaaf SAVED:10/13/2026 12:22 PM PLOTTED:10/13/2026 12:24 PM

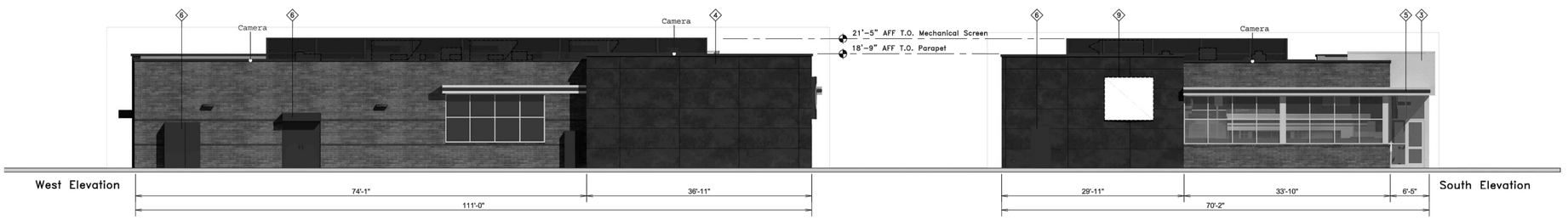
#	FINISH	MANUFACTURER	SPECIFICATION
1	BRONZESTONE	INTERSTATE BRICK	ATLAS STRUCTURAL BRICK
2	MIDNIGHT	INTERSTATE BRICK	ATLAS STRUCTURAL BRICK
3	BRUSHED ALUMINUM	REYNOBOND	FASCIA
4	OSSIDO NERO	CROSSVILLE	STONE PANELS
5	RED POLYCARBONATE	ALLEN INDUSTRIES	INTERNALLY ILLUMINATED BAND
6	QT BROWN	SHERWIN - WILLIAMS	METAL/PAINT
7	IDB-56	ALLEN INDUSTRIES	ILLUMINATED SIGNAGE
8	CL-60	ALLEN INDUSTRIES	ILLUMINATED SIGNAGE

Glazing is 100% transparent windows with the west elevation having film on inside of glazing to not allow pedestrians to see into the back room/storage closets. Additional glazing info sheets can be submitted for further explanation.



East Elevation

North Elevation



West Elevation

South Elevation

QuikTrip.
4705 South 129th East Ave.
Tulsa, OK 74134-7008
P.O. Box 3475
Tulsa, OK 74101-3475
(918) 615-7700

Store # 4273	Custom G4 Building Elevations	Address: Wolfensberger Rd & Caprice Dr	City, State: Castle Rock, CO
Serial # 83-4273-G4	Issue Date:	Drawn By: JK	Rev/Notes:

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10 5 0 10 20
1"=10'

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

PROJECT NO.:83-4273

MDG
Midwest Design Group
Kansas City
PO Box 860015
Shawnee, KS 66286-0015

SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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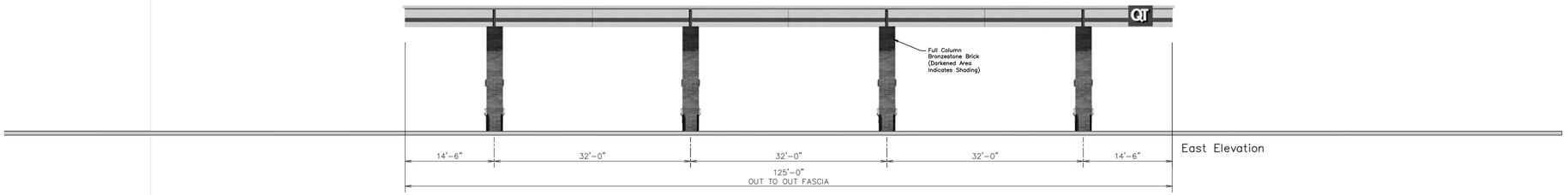
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SHEET TITLE:
SITE DEVELOPMENT PLAN
BUILDING ELEVATIONS

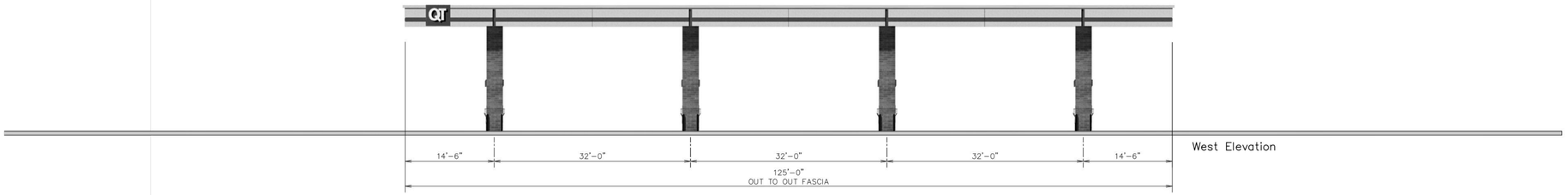
SHEET NUMBER:
8 OF 18

FILE LOCATION:C:\Civil 3D Projects\QT4273 Castle Rock, CO\83-4273 Civil.dwg TAB NAME:Building Elevations USER:dkhol SAVED:10/14/2026 11:22 AM PLOTTED:10/14/2026 11:25 AM

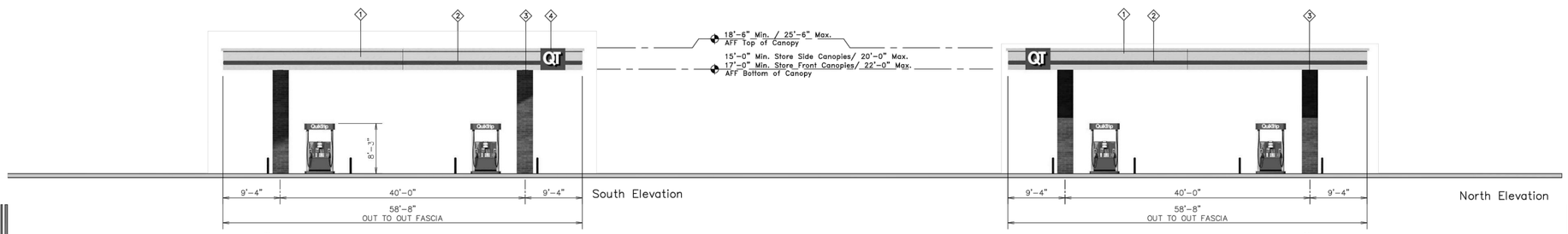
#	FINISH	MANUFACTURER	SPECIFICATION
1	BRUSHED ALUMINUM	REYNOBOND	CANOPY
2	RED POLYCARBONATE	ALLEN INDUSTRIES	ILLUMINATED BAND
3	BRONZESTONE	INTERSTATE BRICK	ATLAS STRUCTURAL BRICK
4	IDC-14	ALLEN INDUSTRIES	ILLUMINATED SIGN



East Elevation



West Elevation



South Elevation

North Elevation

QuikTrip.
4705 South 129th East Ave.
Tulsa, OK 74134-7008
P.O. Box 3475
Tulsa, OK 74101-3475
(918) 615-7700

Store # 4273 G4 Double Stack 8 Canopy

Address: Wolfensberger Rd & Caprice Dr

City, State: Castle Rock, CO

Serial # 83-4273-GD08

Issue Date:

Drawn By: JK

Rev/Notes:

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10 5 0 10 20
1"=10'

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

PROJECT NO.:83-4273

MDG
Midwest Design Group
Kansas City
PO Box 860015
Shawnee, KS 66286-0015

SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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PROTOTYPE:	P-123
DIVISION:	83
VERSION:	001
DESIGNED BY:	DKH
DRAWN BY:	CSH
REVIEWED BY:	AMG

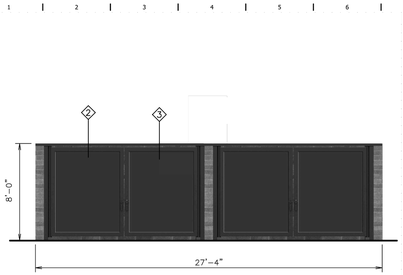
REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 10/14/2026

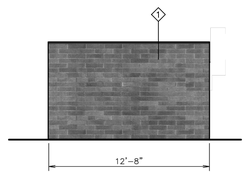
SHEET TITLE:
SITE DEVELOPMENT PLAN
CANOPY ELEVATIONS

SHEET NUMBER:
9 OF 18

FILE LOCATION:C:\Civil 3D Projects\QT4273 Castle Rock, CO\83-4273 Civil.dwg TAB NAME:Canopy Elevations USER:dkhol SAVED:10/14/2026 11:22 AM PLOTTED:10/14/2026 11:25 AM



FRONT ELEVATION



SIDE ELEVATION

#	FINISH	MANUFACTURER	SPECIFICATION
1	BRONZESTONE	INTERSTATE BRICK	ATLAS STRUCTURAL BRICK
2	QT BROWN SW-B54TZ404	SHERWIN WILLIAMS	PAINTED METAL DOORS

SCALE: 1/4" = 1'-0"

SERIAL NUMBER:

STORE NUMBER:

NOTES

DRAWN BY	ISSUE DATE
	05.26.22

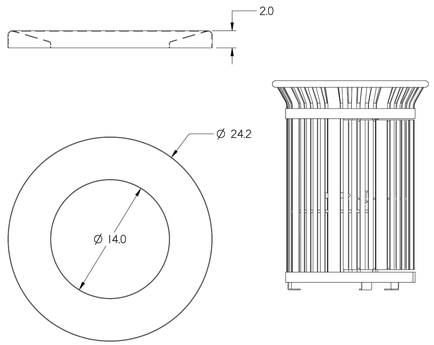
SQUARE FOOTAGE

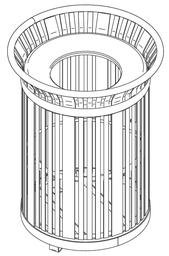
TYPEFACE	INSIDE DIA.	ENTIRE SIGN

Trash Enclosure
Double Metal Doors

PRODUCT SPECIFICATIONS

DESCRIPTION: ACCESSORY,34GL,STD LID W/14" OPNG
MODEL #: 464-266





PARIS
Site Furnishings • Outdoor Fitness
Toll-Free: 1-800-387-6318

Materials:
-Spun Litter Lid = 16G Galvanized Steel

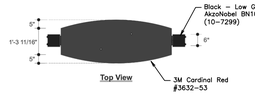
Finish:
-Durable electrostatically applied polyester powder top coat.

Color:
- QT Brown (SW-B54TZ404)

REVISION: 0

DATE: 13/03/2015

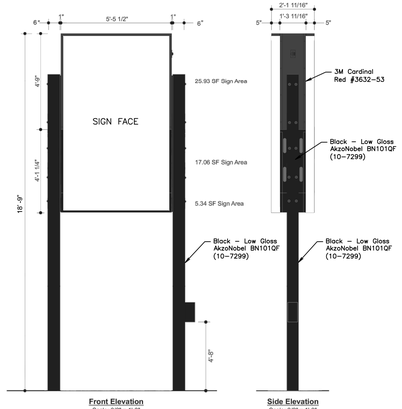
PROPERTY OF PARIS EQUIPMENT MANUFACTURING LTD.



PV-E2PQ-CC-49
Vertical Pole Sign
- Two (2) Product LED Gas Price Sign with Cash & Credit
- 48.33 Square Feet Sign Area

Notes:
1.) Engineering provided by QT.
2.) Steel supports provided by sign installer.

NOTE: SIGN AREA WILL BE APPROVED WITH THE SIGN PERMIT. THE PURPOSE OF THE SIGN ELEVATIONS IN THE SDP IS TO REFLECT THE POLES AND MONUMENT SIGN BASE.



Color: Refer to digital material board

Regarding Fabrication Fit & Finish of All QT Signs:
- Visible fabrication seams and welded joints are to be sanded smooth, filled and finished to QT specifications.
- Any visible fasteners are to be countersunk and have painted heads.
- Face retainers must fit flush and have even, minimal seams.
- Any variation from this directive must be brought to the attention of the QT Quality Control Manager without delay.

Allen Industries (DBA in ALASKA) Electric Sign Supplier with QUALITY CONTROL ISO 9001:2015 AVI 017510
THIS SIGN IS BUILT TO BE UL & NEC COMPLIANT WHEN INSTALLED BY A LICENSED ELECTRICIAN. ALL ELECTRICAL CONNECTIONS MUST COMPLY WITH NEC SPECIFICATIONS AND REGULATIONS OF THE AHJ.
APPROVED CONNECTIONS

Item #QT-MV-E2PQ-CC-49

Project Information
Client: QuikTrip 4273
Location: Various
Title:
Sales: House | Design: CT | Project Manager: James Gentry

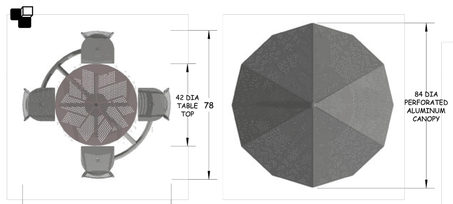
Date / Description
12/06/19 Issue Date
01/14/20 Rev. 1

Notes

Client Review Status
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☐ Approved ☐ Approved as Noted ☐ Revise & Resubmit
Name:
Title: Date:

Declaration
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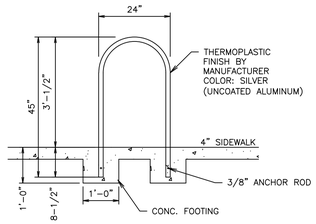
A940-42RND-A1052-AL-UH



Color: Silver (Uncoated Aluminum)
NOTES:
ALL WELDED ALUMINUM CONSTRUCTION
TOP: 42" DIA. ROSETTE ALUMINUM TABLE TOP WITH 2" DIA. UMBRELLA HOLE
BACK: WATERJET CUT TO MATCH PRESTON CHAIR
SEAT: DISHED ALUMINUM WITH SANDDOLLAR DRAIN HOLES
PAINT: SILVER ICE + CLEAR COAT (ON ALL PARTS)
GLIDE: BOLTDOWN TABS
NO SWIVEL

GENERAL NOTES: Not drawn to scale — DO NOT SCALE DRAWING. ANY AND ALL INFORMATION CONTAINED IN THIS DRAWING MAY BE PROPRIETORY TO BENCH DESIGNERS INC. AND MAY NOT BE COPIED OR ALTERED WITHOUT WRITTEN PERMISSION FROM BENCH DESIGNERS INC. 100 SUTHERLAND AVE. WINNIPEG, MANITOBA,CANADA	DATE	ECO	REV	BY	APPROVED	CLIENT:	QUIK TRIP
BENCHMARK DESIGN GROUP						LOCATION:	TULSA, OK
456 OSCEOLA AVENUE JACKSONVILLE, FL. 32250	12JUN12	ADD UMBRELLA HOLE		RN		DESCRIPTION:	4 SEAT PRESTON CLUSTER
	9MAR04	ILLUSTRATION		KD		MATERIAL:	ALUMINUM

TCW file location: F: Rebecca / Umb & Clusters / 4-seater / A940-42RND-A1052-AL



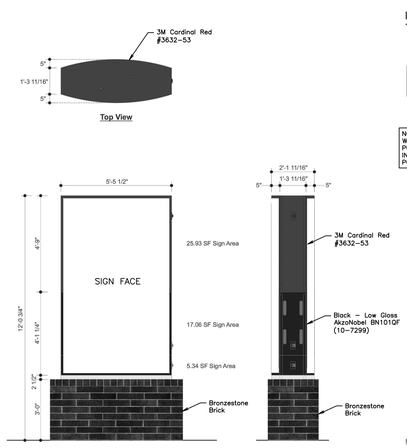
SINGLE LOOP BIKE RACK DETAIL

SW = Sherwin Williams

MV-E2PQ-CC-49
12'-0 3/4" Vertical Monument Sign
- Two (2) Product LED Gas Price Sign with Cash & Credit
- 48.33 Square Feet Sign Area

Notes:
1.) Engineering provided by QT.
2.) Steel supports provided by sign installer.

NOTE: SIGN AREA WILL BE APPROVED WITH THE SIGN PERMIT. THE PURPOSE OF THE SIGN ELEVATIONS IN THE SDP IS TO REFLECT THE POLES AND MONUMENT SIGN BASE.



Color: Refer to digital material board

Regarding Fabrication Fit & Finish of All QT Signs:
- Visible fabrication seams and welded joints are to be sanded smooth, filled and finished to QT specifications.
- Any visible fasteners are to be countersunk and have painted heads.
- Face retainers must fit flush and have even, minimal seams.
- Any variation from this directive must be brought to the attention of the QT Quality Control Manager without delay.

Allen Industries (DBA in ALASKA) Electric Sign Supplier with QUALITY CONTROL ISO 9001:2015 AVI 017510
THIS SIGN IS BUILT TO BE UL & NEC COMPLIANT WHEN INSTALLED BY A LICENSED ELECTRICIAN. ALL ELECTRICAL CONNECTIONS MUST COMPLY WITH NEC SPECIFICATIONS AND REGULATIONS OF THE AHJ.
APPROVED CONNECTIONS

Item #QT-MV-E2PQ-CC-49

Project Information
Client: QuikTrip 4273
Location: Various
Title: QT-MV-E2PQ-CC-49
Sales: House | Design: CT | Project Manager: James Gentry

Date / Description
12/06/19 Issue Date
01/14/20 Rev. 1

Notes
-

Client Review Status
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☐ Approved ☐ Approved as Noted ☐ Revise & Resubmit
Name:
Title: Date:

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SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

PROJECT NO.: 83-4273

MDG
Midwest Design Group
Kansas City
PO Box 860015
Shawnee, KS 66286-0015

SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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PROTOTYPE: P-123
DIVISION: 83
VERSION: 001
DESIGNED BY: DKH
DRAWN BY: CSH
REVIEWED BY: AMG

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
MISCELLANEOUS
ELEVATIONS

SHEET NUMBER:
10 OF 18

FILE LOCATION:C:\Civil 3D Projects\QT4273 Castle Rock, CO\83-4273 Civil.dwg TAB NAME:Misc Elevations USER:dkhol SAVED:10/14/2026 11:22 AM PLOTTED:10/14/2026 11:25 AM

Brushed Aluminum - Reynobond
Building Cornice/Gas Canopy Fascia

Color Specifications
All Paint Finishes to be Akzo Nobel

Background behind "Kitchens Panel" -	Opaque Silver
"Unleaded & Diesel" Lettering -	Translucent White
Unleaded Background & Poles -	Black - Low Gloss
"QT" -	Matte White (Interior of Sign)
QT Button -	Match 3M Cardinal Red #3632-53
Diesel Background -	Match PMS 349C

Monument & Pole Signs



QT BROWN Metal Paint -
Light Poles/Service Doors/
Trash Enclosure Doors/ Trash Cans
Sherwin Williams - B54TZ404

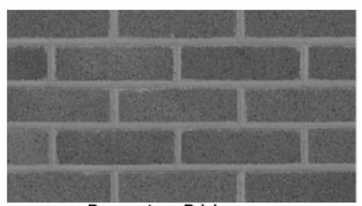


Aluminum - Tubelite
Entry Door/Window Frame
Bike Rack/ Table/ Seats
Umbrella / Canopy

G4 Material Samples
Convenience Store with Fuel
Prepared by: QuikTrip



Translucent #2793 Red -
Accent Band/Awning
IDB-56 & CL-60 Building Signs
Canopy Signs & Accent Band on Canopy



Bronzestone Brick -
Interstate Brick - Building
Dumpster Enclosure/ Monument Sign Base
Canopy Columns



TILE - Ossido Nero
Crossville - Building



Midnight Black Brick -
Interstate Brick - Building

PROJECT NO.:83-4273

Midwest Design Group
Kansas City

PO Box 860015
Shawnee, KS 66286-0015

SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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DIVISION:	83
VERSION:	001
DESIGNED BY:	DKH
DRAWN BY:	CSH
REVIEWED BY:	AMG

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
MATERIAL BOARD

SHEET NUMBER:
11 OF 18

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

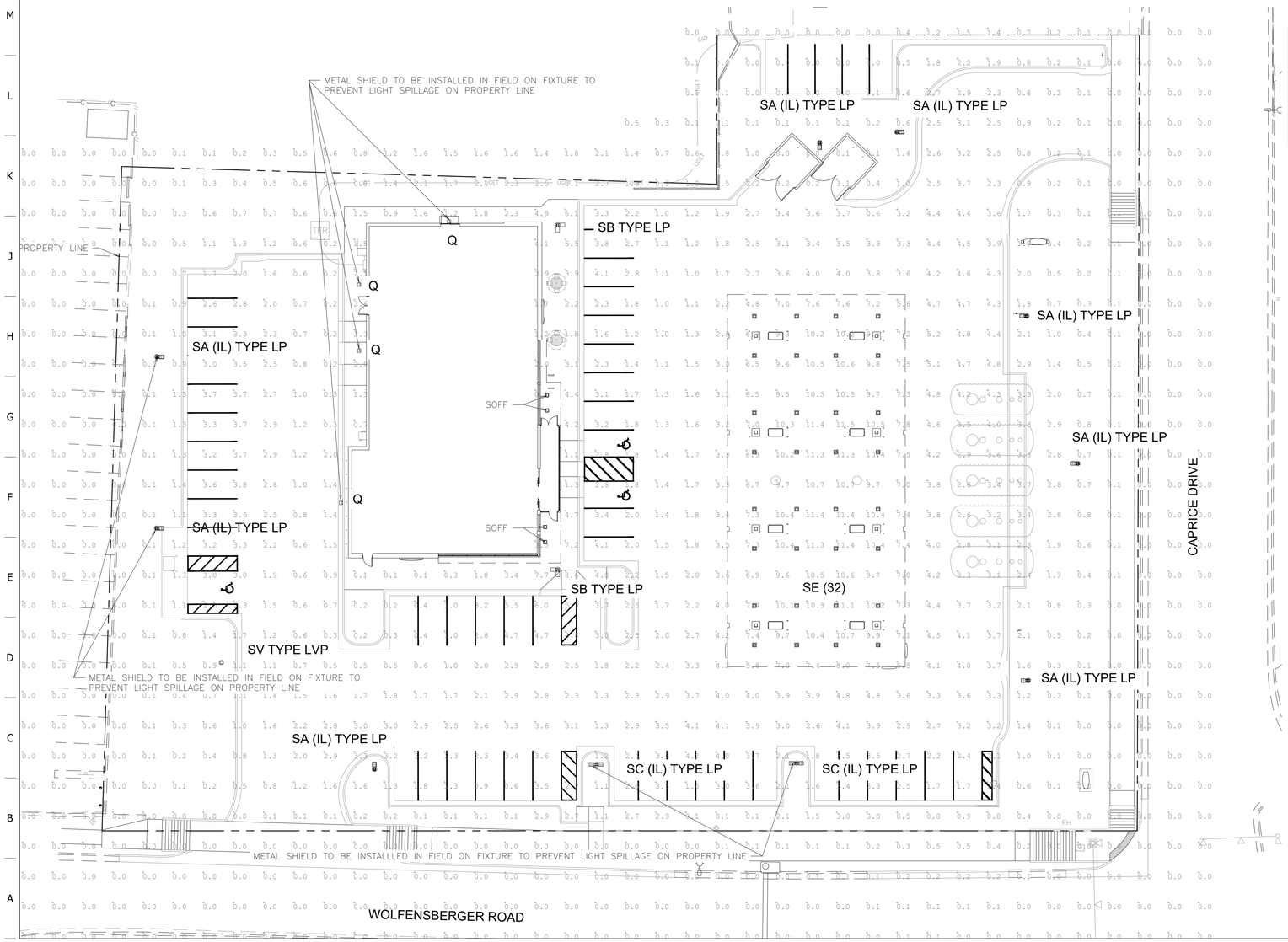
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Site Lumminary Summary Table

Luminaire												Lamps						
ID/ Symbol	Manufacturer	Model	Catolog Number	Description	Full Cut Off (Y/N)	Distribution	Voltage	Dimming	Quantity	Mounting	Mounting Height	Quantity	Type	Watts	Lumens	Color Temp/CRI	Light loss factor	Fixture Finish
	LSI	SLM	SLM-LED-12L-SIL-3-40 -70-CRI-IL	POLE MOUNTED AREA LIGHT	Y	3	208	0.9	8	POLE	22'	12	LED	94	9,449	4000	1	DARK BRONZE
	LSI	SLM	SLM-LED-12L-SIL-3-40 -70-CRI	POLE MOUNTED AREA LIGHT	Y	3	208	0.3	2	POLE	22'	4	LED	94	12,890	4000	1	DARK BRONZE
	LSI	SLM	SLM-LED-12L-SIL-3-40 -70-CRI-IL	POLE MOUNTED AREA LIGHT	Y	2	208	0.9	2	POLE	22'	6	LED	94	9,449	4000	1	DARK BRONZE
	LSI	CRUS	CRUS-SC-SS-40	CANOPY MOUNTED AREA LIGHT	Y	SYMMETRIC	208	0.2	32	CANOPY	17'	32	LED	84	13,449	4000	1	FLAT LENS
	LSI	SOFF	XSPS-S-LED-VHO-NW-DFL	BUILDING MOUNTED AREA LIGHT	Y	SYMMETRIC	208	0.9	4	BUILDING	10-12'	4	LED	54	6,041	4000	1	DARK BRONZE
	LSI	Q	XWM-3-LED-06-40	BUILDING MOUNTED AREA LIGHT	Y	SYMMETRIC	208	0.9	4	BUILDING	12'	3	LED	54	6,800	4000	1	DARK BRONZE

LIGHTING STANDARD NOTES:

1. LIGHT LOSS FACTOR IS 1 AS SHOWN ON THE LUMINARY SUMMARY TABLE.
2. LIGHTING WILL BE PROVIDED 24 HOURS PER DAY, 365 DAYS PER YEAR FROM DUSK TO DAWN.
3. SITE LIGHT STANDARDS WILL BE PLACED AROUND THE SITE TO ILLUMINATE PARKING AND DRIVE AISLES. SHIELDED WALL PACK AND DOWN LIGHTING WILL BE PLACED AROUND THE BUILDING PERIMETER TO ILLUMINATE THE ADJACENT PEDESTRIAN ACCESS AREAS. RECESSED CANOPY LIGHTS WILL BE PLACED UNDER THE BUILDING AND AUTO FUELING CANOPIES TO ILLUMINATE PEDESTRIAN ACCESS AND FUELING AREAS.
4. ALL LIGHT FIXTURES SHALL BE FULL CUT OFF TO KEEP LIGHTING LEVELS TO 1.0 FOOTCANDLES OR LESS AT THE PROPERTY LINES.
5. EXTERIOR LIGHTING FOR EGRESS TRAVEL (TO THE PUBLIC WAY OR EGRESS COURT) SHALL COMPLY WITH THE CURRENTLY ADOPTED BUILDING CODE.
6. FORWARD THROW LUMINARIES: THE FOLLOWING LIGHTING TYPES ARE PROHIBITED: FORWARD THROW LUMINARIES (TYPE IV DISTRIBUTION), POLE–MOUNTED LIGHTS AIMED AT A BUILDING'S FACADE, AND UNSHIELDED WALL PACKS ARE PROHIBITED.
7. REFERENCE ELECTRICAL FOR EMERGENCY LIGHTING PLANS.



Calculation Summary		List the Use Area / Zone Type				
Label	Calc Type	Units	Average	Min	Max	AVG Min Max
DUMPSTER	INITIAL HORIZONTAL	FC	1.62	0	3.7	2.28
ENTRY	INITIAL HORIZONTAL	FC	1.09	0	3.1	2.84
DRIVE	INITIAL HORIZONTAL	FC	2.58	0.2	5.2	12.9
GAS REFUEL	INITIAL HORIZONTAL	FC	3.32	2.4	4.3	1.38
PARKING	INITIAL HORIZONTAL	FC	2.77	0.4	6	6.93
CANOPY	INITIAL HORIZONTAL	FC	8.92	4.8	11.5	1.86
SOFFIT LIGHTS	INITIAL HORIZONTAL	FC	3.29	0.1	7.2	32.9

20 10 0 20 40

1"=20'

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

PROJECT NO.:83-4273

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SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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PROTOTYPE:	P-123
DIVISION:	83
VERSION:	001
DESIGNED BY:	DKH
DRAWN BY:	CSH
REVIEWED BY:	AMG

REV	DATE	DESCRIPTION
		ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
PHOTOMETRIC SITE PLAN

SHEET NUMBER:
12 OF 18

FILE LOCATION:C:\Civil 3D Projects\GT4273 Castle Rock, CO\83-4273 Photometric.dwg TAB NAME:Photometric USER:dkhol SAVED:9/25/2026 1:08 PM PLOTTED:10/14/2026 11:25 AM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Catalog # : SLM-LED-12L-SIL-3-40-70-CRI-IL	Project :
Prepared By :	Date :

Slice Medium - SLM
Outdoor LED Area Light



The Slice's sleek design makes it perfectly-suited for Commercial & Industrial applications, while its cost-effective die-cast aluminum housing makes its acquisition cost very competitive. The Slice offers high performance silicone optics, die cast aluminum housing, 42,000+ lumens and is available with integral Airlink Synapse controls.

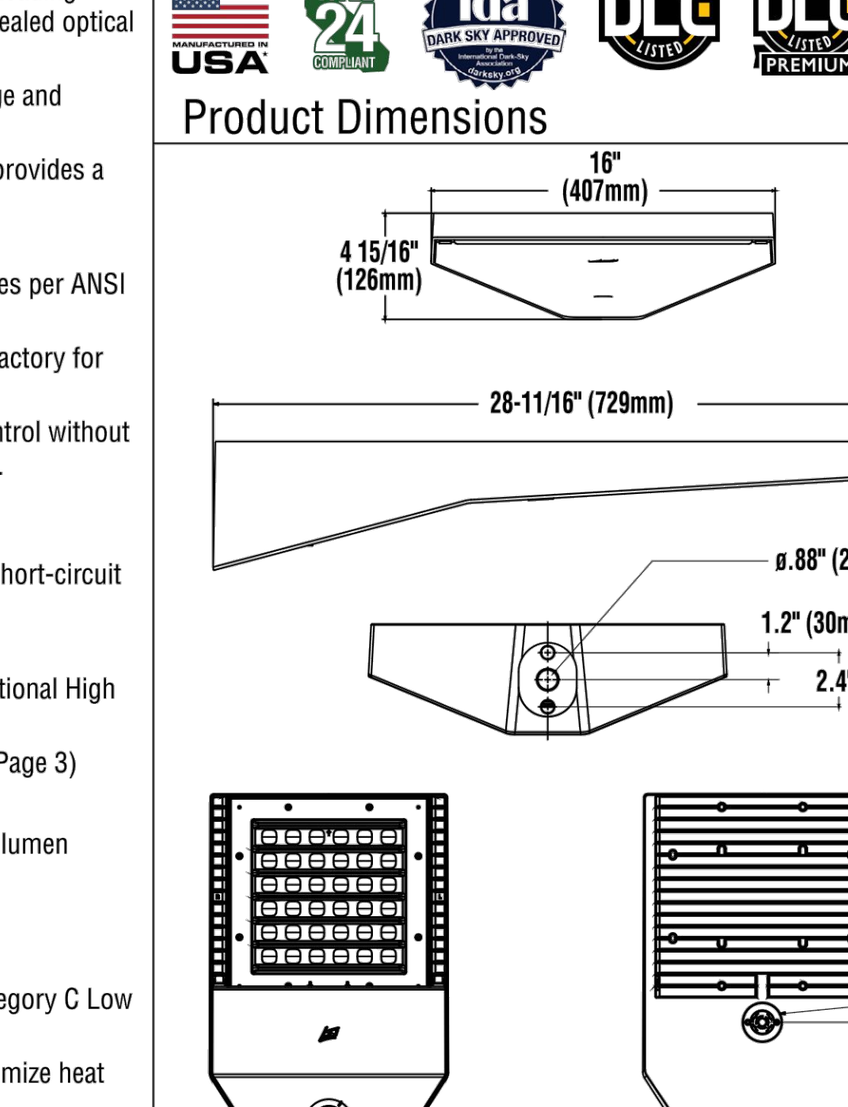
Features & Specifications

Dimmable · WIRELESS CONTROLS · IP66 · RoHS COMPLIANT · ARRA Funding Compliant · cULus LISTED · USA · TITLE 24 COMPLIANT · ida DARK SKY APPROVED · DLC LISTED · DLC PREMIUM

Optical System
- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5W, FT and FTA.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI C78.377. Optional 5700K CCT available in 90CRI only.
- Minimum CRI of 70. Optional 80 and 90 CRI available, consult factory for lead time.
- Integral Louver (IL) option available for improved back-light control without sacrificing street side performance. See page 5 for more details.

Electrical
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 3)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L lumen package rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Terminal block provided accepts up to 10ga wire.
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

Product Dimensions



Slice Medium - SLM
Outdoor LED Area Light

Features & Specifications (Cont.)

Construction
- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square poles.
- Luminaire is proudly manufactured in the U.S.of U.S. and imported parts.
- IP66 rated luminaire protects integral components from harsh environments.
- 3G rated for ANSI C136.31 high vibration applications
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

Controls
Wireless Controls System

To make this fixture AirLink ready, simply order one of the following options:
a. The integrated Wireless Lighting Controller: ALSC or ALSCH (see ordering guide) as the controls option, or
b. Integrated Wireless Controller option (above) with integrated motion sensor: ALSCS (ordering guide for mounting heights) or
c. The 7-Pin Photoelectric Control Receptacle: CR7P as the controls option; and either the 5-Pin or 7-Pin Twist Lock Controller: ALSC UNV TL5 or ALSC UNV TL7 as an accessory

To see how the components of AirLink system work together, reference the diagram in the controls section of this specsheet. For more information on our AirLink products, visit our website: www.lsi-airlink.com/airlink-synapse/

Stand-Alone Controls
- The integral passive infrared motion sensor (IMS) activates switching of luminaire light levels (see the controls section for more details).
- The 7-pin ANSI C136.41-2013 photocontrol receptacle option (CR7P) is available for twist lock photocontrols or wireless control modules.
- The Button Type Photocells (PCI) are capable of switching luminaires ON/OFF in response to the amount of available daylight.

Installation
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment for installing/servicing.
- Included terminal block provides quick and easy on-site wiring.
- Utilizes LSI's traditional 3" drill pattern for easy fastening of LSI products. (See drawing on page 1)

Warranty
- LSI LED Fixtures carry a 5-year warranty.

Listings
- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- American Recovery and Reinvestment Act Funding Compliant.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable For wet Locations.
- IP66 rated Luminaire. IP66 rated optical chamber.
- 3G rated for ANSI C136.31 high vibration applications

Performance

ELECTRICAL DATA (AMPS)*

Lumens	Watts	120V	208V	240V	277V	347V	480V
9L	68.2	0.6A	0.3A	0.3A	0.2A	0.2A	0.1A
12L	93.1	0.8A	0.4A	0.4A	0.3A	0.3A	0.2A
18L	148.5	1.2A	0.7A	0.6A	0.5A	0.4A	0.3A
24L	188.8	1.6A	0.9A	0.8A	0.7A	0.5A	0.4A
30L	248.6	2.1A	1.2A	1.0A	0.9A	0.7A	0.5A
36L	317.8	2.6A	1.5A	1.3A	1.1A	0.9A	0.7A
42L	393.4	3.3A	1.9A	1.6A	1.4A	1.1A	0.8A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)*

Lumens	Watts	120V	208V	240V	277V	347V	480V
9L	74.3	0.6A	0.4A	0.3A	0.3A	0.2A	0.2A
12L	102.9	0.9A	0.5A	0.4A	0.4A	0.3A	0.2A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE¹(24-42L)

Ambient	Initial²	25 hr²	50 hr²	75 hr³	100 hr³
0-40 C	100%	100%	97%	94%	92%

RECOMMENDED LUMEN MAINTENANCE¹(9-18L)

Ambient	Initial²	25 hr²	50 hr²	75 hr³	100 hr³
0-50 C	100%	96%	91%	87%	83%

1- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
2- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
3- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing

DELIVERED LUMENS*

Lumen Package	Distribution	Phosphor Converted Amber: Delivered Lumens	Efficacy	BUG Rating	Wattage
9L	2	5958	80	B2-U0-G1	74
	2 IL	3735	50	B0-U0-G1	
	3	6196	83	B1-U0-G1	
	3 IL	4205	56	B0-U0-G1	
	5W	5528	74	B3-U0-G1	
	FT	5922	79	B1-U0-G2	
	FT IL	3712	50	B0-U0-G1	
	FTA	5997	80	B2-U0-G2	
	FTA IL	4254	57	B0-U0-G1	
12L	2	7559	73	B2-U0-G2	103
	2 IL	4738	46	B0-U0-G1	
	3	7860	76	B2-U0-G2	
	3 IL	5335	52	B0-U0-G1	
	5W	7013	68	B3-U0-G2	
	FT	7513	73	B2-U0-G2	
	FT IL	4709	46	B0-U0-G2	
	FTA	7608	74	B2-U0-G2	
	FTA IL	5397	52	B0-U0-G1	

*LED Chips are frequently updated therefore values are nominal

LUMINAIRE EPA CHART - SLM

Tilt Degree	0°	30°	45°	Tilt Degree	0°	30°	45°
Single	0.5	2.1	2.6	T90°	1.2	2.9	3.6
D180°	1.1	2.1	2.6	TN120°	1.3	4.4	5.4
D90°	0.9	2.5	3.1	Q90°	1.2	2.9	3.6

Specifications and dimensions subject to change without notice.

Slice Medium - SLM
Outdoor LED Area Light

DELIVERED LUMENS*

Lumen Package	Distribution	CRI	2700K CCT Delivered Lumens	Efficacy	BUG Rating	3000K CCT Delivered Lumens	Efficacy	BUG Rating	4000K CCT Delivered Lumens	Efficacy	BUG Rating	5000K CCT Delivered Lumens	Efficacy	BUG Rating	Wattage
9L	2	70	8349	122	B2-U0-G2	8576	125	B2-U0-G2	9396	137	B2-U0-G2	9784	143	B2-U0-G2	69
	2 IL	70	5185	76	B0-U0-G1	5326	78	B0-U0-G1	5835	85	B0-U0-G1	6076	89	B0-U0-G1	
	3	70	8571	125	B1-U0-G2	8804	129	B1-U0-G2	9646	141	B2-U0-G2	10044	147	B2-U0-G2	
	3 IL	70	6283	92	B0-U0-G2	6454	94	B0-U0-G2	7071	103	B0-U0-G2	7363	107	B0-U0-G2	
	5W	70	8158	119	B3-U0-G2	8380	122	B3-U0-G2	9181	134	B3-U0-G2	9560	140	B4-U0-G2	
	FT	70	8337	122	B2-U0-G2	8563	125	B2-U0-G2	9382	137	B2-U0-G2	9769	143	B2-U0-G2	
	FT IL	70	5393	79	B0-U0-G2	5540	81	B0-U0-G2	6069	89	B0-U0-G2	6320	92	B0-U0-G2	
	FTA	70	8459	123	B2-U0-G2	8689	127	B2-U0-G2	9520	139	B2-U0-G2	9913	145	B2-U0-G2	
	FTA IL	70	6200	91	B1-U0-G1	6369	93	B1-U0-G1	6978	102	B1-U0-G1	7266	106	B1-U0-G1	
12L	2	70	11157	119	B2-U0-G2	11461	122	B2-U0-G2	12556	134	B3-U0-G2	13075	139	B3-U0-G2	94
	2 IL	70	6929	74	B1-U0-G1	7117	76	B1-U0-G2	7798	83	B1-U0-G2	8119	86	B1-U0-G2	
	3	70	11454	122	B2-U0-G2	11766	125	B2-U0-G2	12890	137	B2-U0-G2	13423	143	B2-U0-G2	
	3 IL	70	8396	89	B0-U0-G2	8625	92	B0-U0-G2	9449	101	B0-U0-G2	9839	105	B0-U0-G2	
	5W	70	10902	116	B4-U0-G2	11199	119	B4-U0-G2	12269	131	B4-U0-G2	12775	136	B4-U0-G2	
	FT	70	11141	119	B2-U0-G2	11444	122	B2-U0-G2	12538	133	B2-U0-G3	13055	139	B2-U0-G3	
	FT IL	70	7207	77	B0-U0-G2	7403	79	B0-U0-G2	8110	86	B0-U0-G2	8445	90	B0-U0-G2	
	FTA	70	11304	120	B2-U0-G2	11612	124	B2-U0-G2	12722	135	B2-U0-G2	13247	141	B2-U0-G2	
	FTA IL	70	8286	88	B1-U0-G1	8511	91	B1-U0-G1	9325	99	B1-U0-G1	9710	103	B1-U0-G1	
18L	2	70	16714	112	B3-U0-G3	17168	115	B3-U0-G3	18809	126	B3-U0-G3	19586	131	B3-U0-G3	150
	2 IL	70	10379	69	B1-U0-G2	10662	71	B1-U0-G2	11681	78	B1-U0-G2	12163	81	B1-U0-G2	
	3	70	17158	115	B2-U0-G3	17625	118	B2-U0-G3	19310	129	B3-U0-G3	20107	134	B3-U0-G3	
	3 IL	70	12578	84	B1-U0-G3	12920	86	B1-U0-G3	14155	95	B1-U0-G3	14739	99	B1-U0-G3	
	5W	70	16331	109	B4-U0-G2	16776	112	B4-U0-G2	18379	123	B4-U0-G2	19138	128	B5-U0-G3	
	FT	70	16689	112	B3-U0-G3	17143	115	B3-U0-G3	18781	126	B3-U0-G4	19557	131	B3-U0-G4	
	FT IL	70	10795	72	B1-U0-G2	11089	74	B1-U0-G2	12149	81	B1-U0-G3	12651	85	B1-U0-G3	
	FTA	70	16934	113	B3-U0-G3	17395	116	B3-U0-G3	19058	127	B3-U0-G3	19844	133	B3-U0-G3	
	FTA IL	70	12412	83	B1-U0-G1	12750	85	B1-U0-G2	13969	93	B1-U0-G2	14546	97	B1-U0-G2	
24L	2	70	20880	112	B3-U0-G3	22701	121	B4-U0-G3	24276	130	B4-U0-G3	24784	133	B4-U0-G3	187
	2 IL	70	13100	70	B1-U0-G2	14243	76	B1-U0-G2	15231	81	B1-U0-G2	15550	83	B1-U0-G2	
	3	70	21739	116	B3-U0-G3	23636	126	B3-U0-G4	25275	135	B3-U0-G4	25804	138	B3-U0-G4	
	3 IL	70	15828	85	B1-U0-G3	17209	92	B1-U0-G3	18403	98	B1-U0-G4	18788	100	B1-U0-G4	
	5W	70	20632	110	B5-U0-G3	22432	120	B5-U0-G3	23988	128	B5-U0-G3	24490	131	B5-U0-G3	
	FT	70	21611	116	B3-U0-G3	23496	126	B3-U0-G4	25126	134	B3-U0-G4	25652	137	B3-U0-G4	
	FT IL	70	13692	73	B1-U0-G3	14886	80	B1-U0-G3	15919	85	B1-U0-G3	16252	87	B1-U0-G3	
	FTA	70	21496	115	B3-U0-G3	23371	125	B3-U0-G3	24992	134	B3-U0-G3	25515	136	B3-U0-G3	
	FTA IL	70	15226	81	B1-U0-G2	16555	89	B1-U0-G2	17703	95	B2-U0-G2	18073	97	B2-U0-G2	
30L	2	70	26581	108	B3-U0-G3	28900	117	B4-U0-G3	30905	125	B4-U0-G3	31551	128	B4-U0-G3	247
	2 IL	70	16677	68	B1-U0-G2	18132	73	B1-U0-G2	19390	79	B1-U0-G2	19796	80	B1-U0-G2	
	3	70	27675	112	B3-U0-G4	30089	122	B3-U0-G4	32176	130	B3-U0-G4	32850	133	B3-U0-G4	
	3 IL	70	20150	82	B1-U0-G4	21908	89	B1-U0-G4	23428	95	B1-U0-G4	23918	97	B1-U0-G4	
	5W	70	26266	106	B5-U0-G3	28557	116	B5-U0-G3	30538	124	B5-U0-G4	31177	126	B5-U0-G4	
	FT	70	27512	111	B3-U0-G4	29912	121	B3-U0-G4	31987	130	B3-U0-G4	32656	132	B3-U0-G5	
	FT IL	70	17430	71	B1-U0-G3	18951	77	B1-U0-G4	20266	82	B1-U0-G4	20690	84	B1-U0-G4	
	FTA	70	27365	111	B3-U0-G3	29752	120	B4-U0-G3	31816	129	B4-U0-G3	32482	132	B4-U0-G3	
	FTA IL	70	19384	78	B2-U0-G2	21075	85	B2-U0-G2	22537	91	B2-U0-G2	23008	93	B2-U0-G2	
36L	2	70	32214	102	B4-U0-G3	35025	111	B4-U0-G3	37454	118	B4-U0-G3	38238	121	B4-U0-G4	317
	2 IL	70	20212	64	B1-U0-G2	21975	69	B1-U0-G3	23499	74	B2-U0-G3	23991	76	B2-U0-G3	
	3	70	33540	106	B3-U0-G4	36466	115	B3-U0-G5	38996	123	B3-U0-G5	39812	126	B3-U0-G5	
	3 IL	70	24421	77	B1-U0-G4	26551	84	B1-U0-G4	28393	90	B1-U0-G4	28987	92	B1-U0-G5	
	5W	70	31832	101	B5-U0-G4	34609	109	B5-U0-G4	37010	117	B5-U0-G4	37785	119	B5-U0-G4	
	FT	70	33342	105	B3-U0-G5	36251	114	B3-U0-G5	38766	122	B4-U0-G5	39577	125	B4-U0-G5	
	FT IL	70	21125	67	B1-U0-G4	22968	73	B1-U0-G4	24561	78	B1-U0-G4	25075	79	B1-U0-G4	
	FTA	70	33164	105	B4-U0-G3	36058	114	B4-U0-G4	38559	122	B4-U0-G4	39366	124	B4-U0-G3	
	FTA IL	70	23492	74	B2-U0-G2	25541	81	B2-U0-G2	27313	86	B2-U0-G2	27885	88	B2-U0-G2	
42L	2	70	36785	94	B4-U0-G3	39994	103	B5-U0-G4	42768	110	B5-U0-G4	43663	112	B5-U0-G4	390
	2 IL	70	23079	59	B1-U0-G3	25093	64	B2-U0-G3	26833	69	B2-U0-G3	27395	70	B2-U0-G3	
	3	70	38299	98	B3-U0-G5	41640	107	B4-U0-G5	44528	114	B4-U0-G5	45460	117	B4-U0-G5	
	3 IL	70	27886	72	B1-U0-G4	30319	78	B1-U0-G5	32422	83	B1-U0-G5	33100	85	B1-U0-G5	
	5W	70	36349	93	B5-U0-G4	39520	101	B5-U0-G4	42261	108	B5-U0-G4	43145	111	B5-U0-G4	
	FT	70	38073	98	B4-U0-G5	41395	106	B4-U0-G5	44266	114	B4-U0-G5	45192	116	B4-U0-G5	
	FT IL	70	24122	62	B1-U0-G4	26226	67	B1-U0-G4	28045	72	B1-U0-G4	28632	73	B1-U0-G4	
	FTA	70	37870	97	B4-U0-G4	41174	106	B4-U0-G4	44030	113	B4-U0-G4	44951	115	B4-U0-G4	
	FTA IL	70	26825	69	B2-U0-G2	29165	75	B2-U0-G2	31188	80	B2-U0-G2	31841	82	B2-U0-G2	

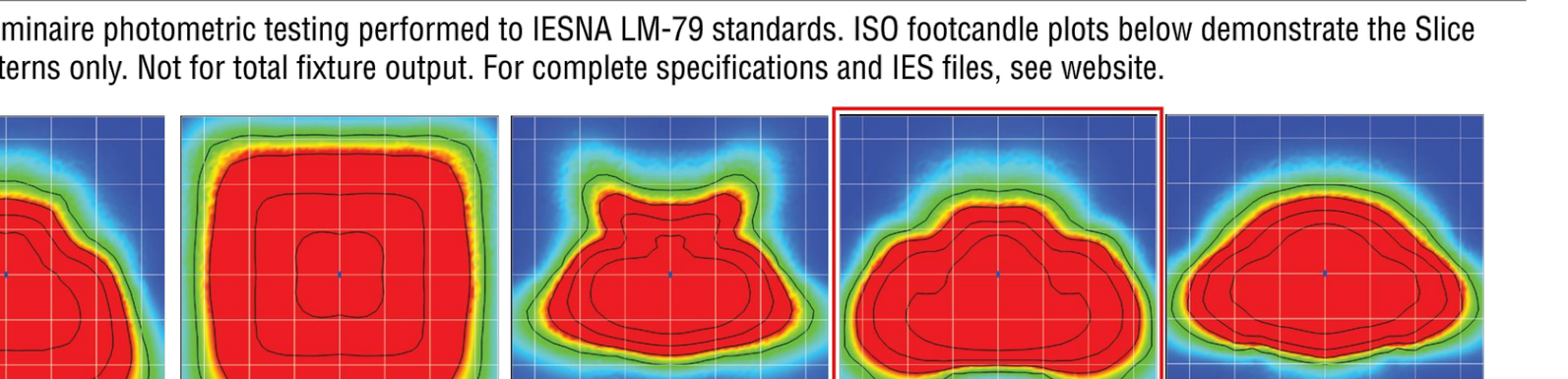
*LED Chips are frequently updated therefore values are nominal

Specifications and dimensions subject to change without notice.

Slice Medium - SLM
Outdoor LED Area Light

Performance (Cont.)

All published luminaire photometric testing performed to IESNA LM-79 standards. ISO footcandle plots below demonstrate the Slice (SLM) light patterns only. Not for total fixture output. For complete specifications and IES files, see website.



Ordering Guide

TYPICAL ORDER EXAMPLE: **SLM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL**

Luminaire Prefix	Light Source	Lumen Package*	Light Output	Distribution	Orientation¹	Voltage	Driver
SLM Slice Medium	LED	9L - 9,000 lms 12L - 12,000 lms 18L - 18,000 lms 24L - 24,000 lms 30L - 30,000 lms 36L - 36,000 lms 42L - 42,000 lms *Consult factory for programmable wattages and lumen packages	SIL - Silicone	2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw FTA - Forward Throw Automotive	(blank) - standard L- Optics rotated left 90 R - Optics rotated right 90	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)

Color Temp	Color Rendering	Controls (Choose One)	Finish	Options
57 - 5,700 CCT[2,12] 50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT[2] 27 - 2,700 CCT[2] AMB - Phosphor Converted Amber[2,3]	70CRI - 70 CRI 80CRI - 80 CRI[2] 90CRI - 80 CRI[2,12]	(Blank) - None **Wireless Controls System** ALSC - AirLink Synapse Control System[4] ALSCH - AirLink Synapse Control System Host / Satelite[4,5] ALSCS01 - AirLink Synapse Control System with 8-12' Motion Sensor[4] ALSCHS01 - AirLink Synapse Control System Host / Satelite with 8-12' Motion Sensor[4,5] ALSCS02 - AirLink Synapse Control System with 12-20' Motion Sensor[4] ALSCHS02 - AirLink Synapse Control System Host / Satelite with 12-20' Motion Sensor[4,5] ALSCS04 - AirLink Synapse Control System with 20-40' Motion Sensor[4] ALSCHS04 - AirLink Synapse Control System Host / Satelite with 20-40' Motion Sensor[4,5] **Stand-Alone Controls** EXT - 0-10v Dimming (from external signal) IMSOM1 - Integral Motion Sensor 8-12' 120-277V[4,6] IMSOM2 - Integral Motion Sensor 12-20' 120-277V[4,6] IMSOM4 - Integral Motion Sensor 20-40' 120-277V[4,6] IMSOM1HV - Integral Motion Sensor 8-12' 347-480V[6,10] IMSOM2HV - Integral Motion Sensor 12-20' 347-480V[6,10] IMSOM4HV - Integral Motion Sensor 20-40' 347-480V[6,10] CR7P - 7 Pin Control Receptacle ANSI C136.41[7] **Button Type Photocells** PCI120 - 120V PCI208-277 - 208 -277V PCI347 - 347V	BRZ - Bronze BLK - Black GPT - Graphite MSV - Metallic Silver WHT - White PLP - Platinum Plus SVG - Satin Verde Green	(Blank) - None IL - Integral Louver HSS[1]

Slice Medium - SLM
Outdoor LED Area Light

Accessory Ordering Information[8]

Description	Order Number	Description	Order Number
PC120 Photocell for use with CR7P option (120V)[9]	122514	DFK208, 240 Double Fusing (208V, 240V)	DFK240
PC208-277 Photocell for use with CR7P option (208V, 240V, 277V)[9]	122515	DFK480 Double Fusing (480V)	DFK480
PC347 Photocell for use with CR7P option (347V)[9]	122516	DFK347 Double Fusing (347V)	DFK347
PC480 Photocell for use with CR7P option (480V)[9]	1225180	X5RPP - Round Pole Adapter for 5" Poles[11]	379968CLR
ALSC UNV TL5 - Airlink 5Pin Twist Lock Controller[4,9]	661409	IL - Integral Louver HSS	684812
ALSC UNV TL7 - Airlink 7Pin Twist Lock Controller[4,9]	661410	Universal Mounting Bracket (UMB)[11]	684616CLR
PMOS24 - 24V Pole-Mount Occupancy Sensor (ALSC/H Compatible)[10,11]	663284CLR	Adjustable Slip Fitter (ASF)[11]	688138CLR
IMS/PC Remote Configurator Tool	584929	Pole Quick Mount Bracket - Square Pole[11]	687073CLR
X3RPP - Round Pole Adapter for 3" Round Tapered Poles[11]	408273CLR	Pole Quick Mount Bracket - 4-5" Round Pole[11]	689903CLR
X4RPP - Round Pole Adapter for 4" Poles[11]	379967CLR	15° Tilt Pole Quick Mount Bracket - Square Pole[11]	688003CLR
FK120 Single Fusing (120V)	FK120	15° Tilt Pole Quick Mount Bracket - 4-5" Round Pole[11]	689905CLR
FK277 Single Fusing (277V)	FK277	BKS XBO WM * CLR Wall Mount Bracket[11]	382132CLR

FOOTNOTES:
1 - Not available on "Type V" distribution.
2 - Consult Factory for availability.
3 - Only available in 9L and 12L Lumen Packages
4 - Not available in HV.
5 - Consult Factory for Site Layout
6 - IMS is field adjustable, via a hand held Remote Configurator Tool, which must be ordered separately. See Accessory Ordering Information.
7 - Control device must be ordered separately. 7 pin standard. See Accessory Ordering Information.
8 - Accessories are shipped seperately and field installed.
9 - Factory installed CR7P option required. See Options.
10 - Only available with ALSC* Controls
11 - "CLR" denotes finish. See Finish options.
12 - Only available in 5700K 90CRI for lumen packages 24L-42L.

Accessories/Options

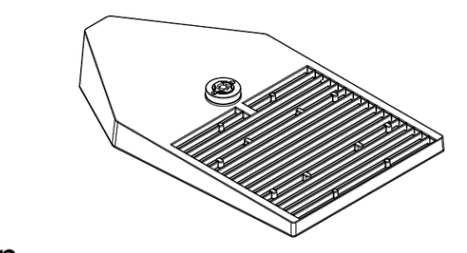
Integral Louver (IL)
Accessory Integral Louver available for improved back-light control without sacrificing street side performance. LSI's Integral Louver (IL) option delivers backlight control that significantly reduces light spill behind the pole for applications with pole locations close to adjacent properties. The integrated louvers' design maximizes forward-reflected light while - reducing glare, maintaining the optical distribution selected, and most importantly, eliminating light trespass. The Integral louver rotates with the optical distribution.

Luminaire Shown with Integral Louver (IL)

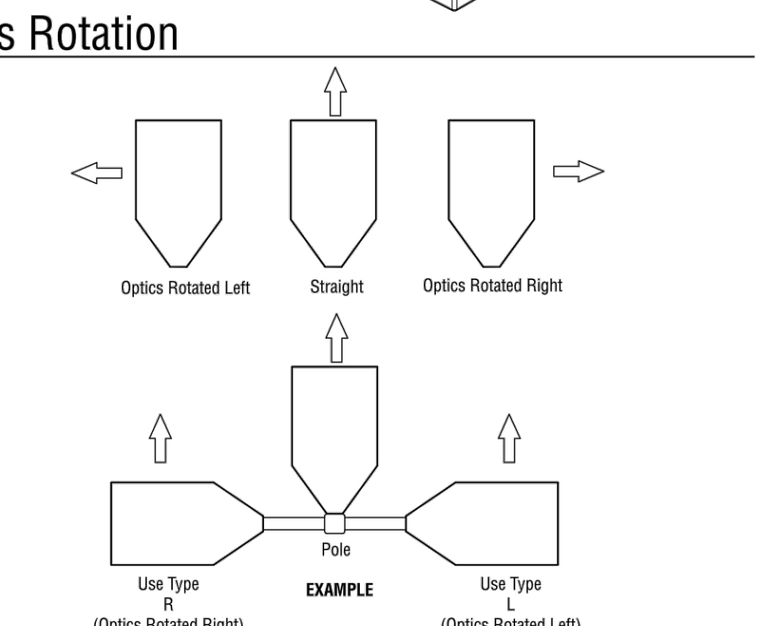


7 Pin Photoelectric Control
7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Fixture Shown with CR7P



Optics Rotation



Slice Medium - SLM
Outdoor LED Area Light

Stand-alone Controls: Occupancy Sensor (IMS)

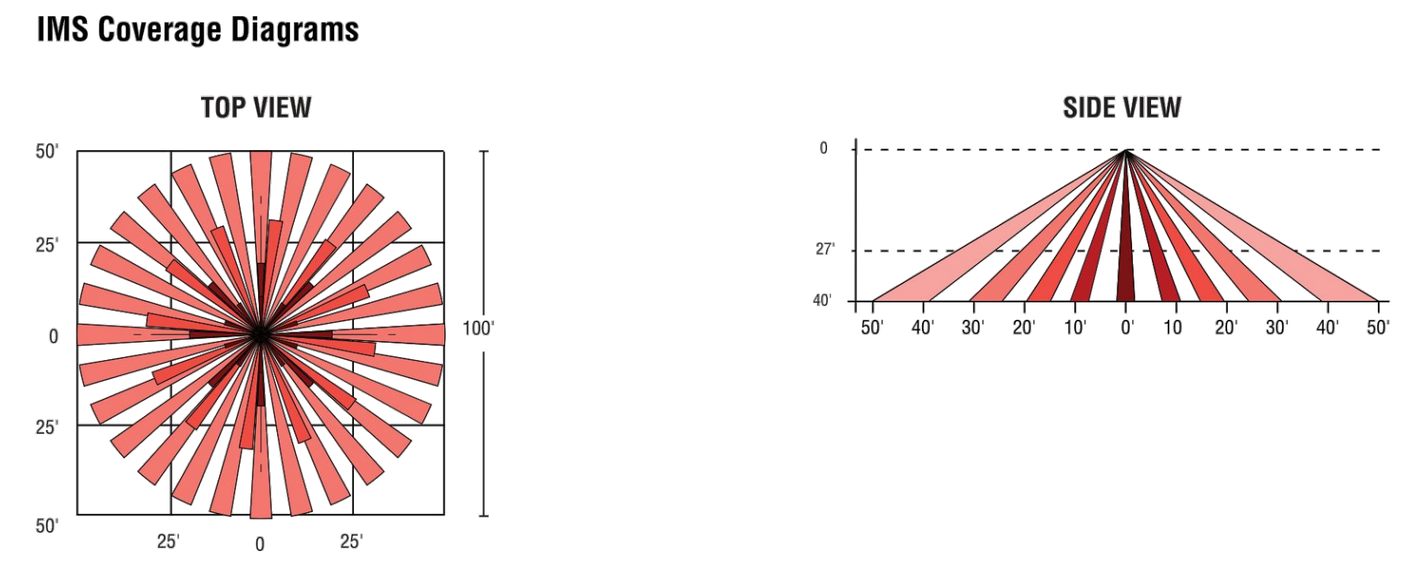
The integral passive infrared motion sensor activates switching of luminaire light levels. Standard Factory settings: High level light is activated and increased to full bright upon detection of motion. Lowlight level (10% maximum drive current) is activated when target zone is absent of motion activity for ~5 minutes. See coverage diagram for detection cone.

The Remote Configurator Tool allows for easy and safe programming of each luminaire from ground level. See the Remote Configurator User Guide for programming instructions.

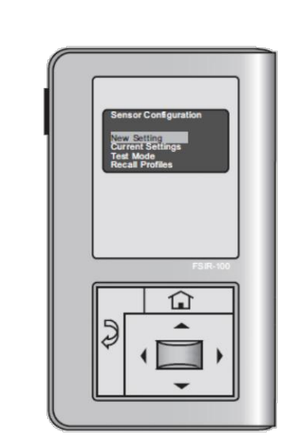
When ordering the Stand-alone Occupancy Sensor on the fixture, you must include IMS (see ordering guide for mounting height options) as the controls option in the fixture nomenclature.

To order as a motion sensor with the AirLink Wireless Control System, see ordering guide under "Wireless Controls System" and select the ALSCS controls option with the desired mounting height.

IMS Coverage Diagrams



Remote Configurator Tool



Luminaire Shown with IMS



Slice Medium - SLM
Outdoor LED Area Light

AirLink™ enabled by Synapse®

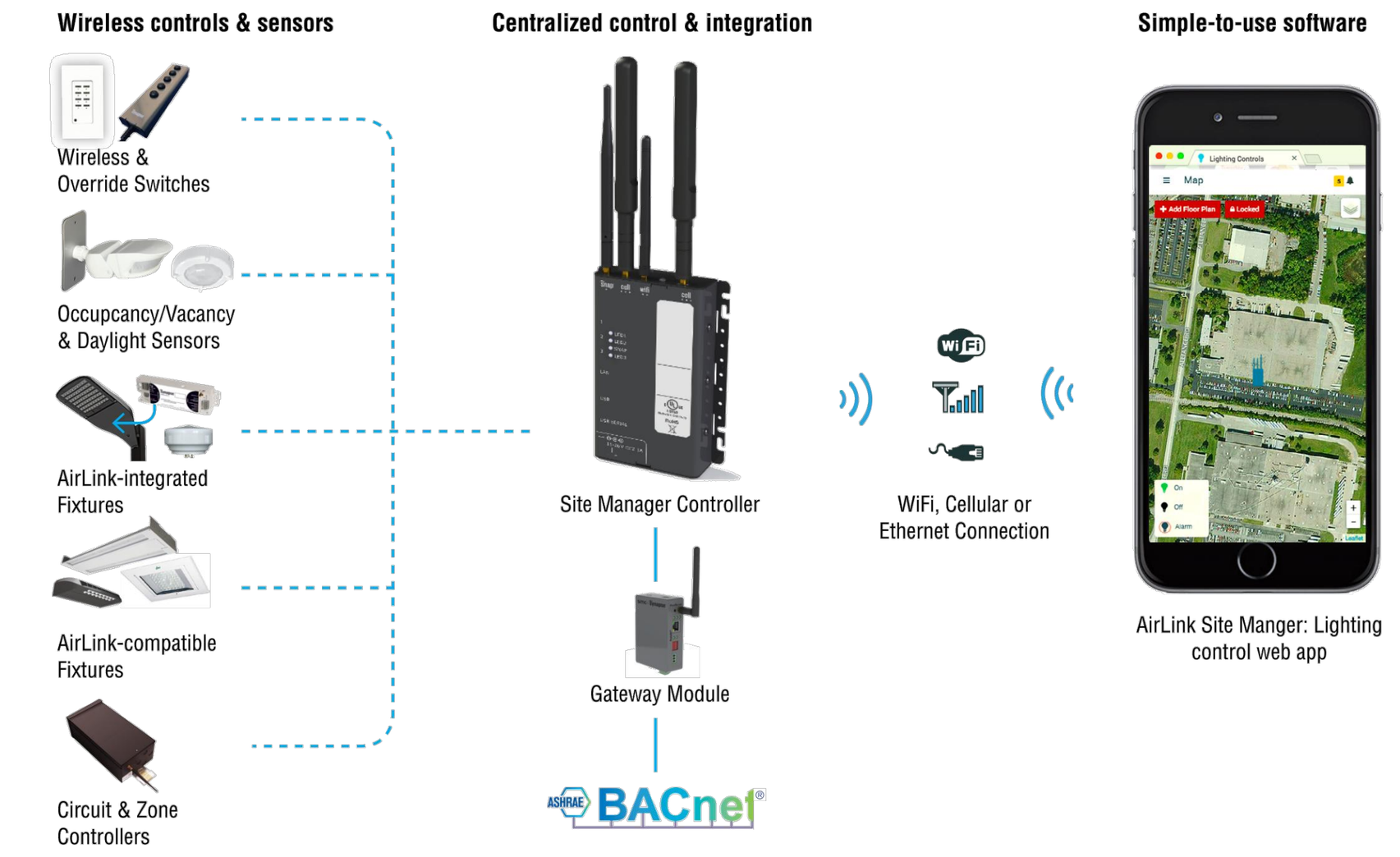
The AirLink enabled by Synapse Wireless Lighting Control System is the perfect solution for commercial, industrial and municipal applications, such as: auto dealerships, parking lots, garages, shopping complexes and warehouses.

AirLink utilizes robust wireless communication via 2.4 GHz Self-Healing Mesh Network which not only increases reliability and accuracy of system, but also eliminates single point of failure.

The flexibility of the system make it perfect for new construction and retrofit projects. The user-friendly AirLink web application is accessible through any device with an internet connection and allows for complete customization of the system's features.

Some capabilities of the system include: occupancy/vacancy sensing, daylight harvesting, scheduling, high-end trim, dimming, zone control, BMS integration and energy monitoring.

The AirLink System

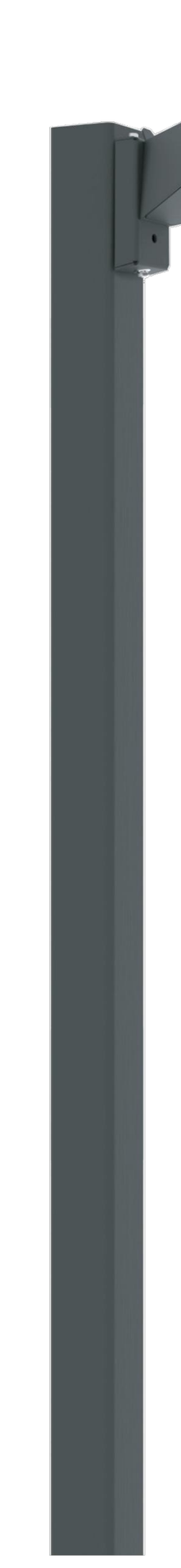


Contact LSI Controls

Sales	Support	More information
controls.sales@lsi-industries.com	controls.support@lsi-industries.com 1 (800) 436-7800 (support, option 8)	For more information on AirLink, visit our website at www.lsi-airlink.com

Slice Medium - SLM
Outdoor LED Area Light

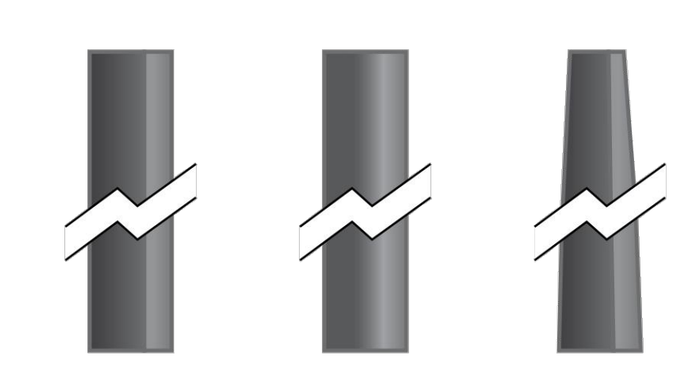
LSI poles & Brackets

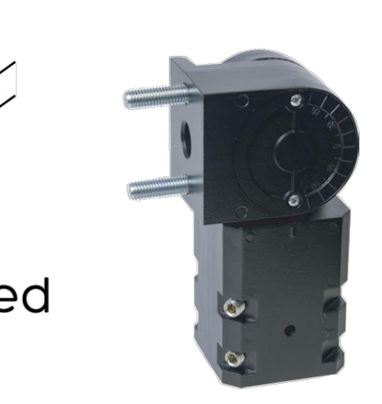


LSI offers a full line of poles and brackets to complete your lighting assembly. Our USA manufacturing facility has the same high quality standards for our poles and brackets as we do our lighting fixtures.



BKA UMB CLR
The 3G rated Universal Mounting Bracket (UMB) allows for seemless integration of LSI Luminaires onto existing or new construction poles. The UMB bracket was designed specifically for square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5"-5".





BKA ASF CLR
The adjustable Slip Fitter is a 3G rated rugged die cast aluminum adapter to mount LSI luminaires onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon. The Adjustable Slip Fitter can be rotated 180° allowing for tilting LSI luminaires up to 45º and 90º when using a vertical tenon.



BKS PQMH CLR
The Pole Quick Mount Bracket allows for lightning fast installation of LSI luminaires onto existing and new construction poles with LSI's 3" or 5"standard bolt patterns.



BKS PQM15 CLR
The Pole Quick Mount Bracket allows for preset 15º uptilt of LSI luminaires for greater throw of light and increased vertical illumination aswell as fast installation onto poles with LSI's 3" or 5" bolt pattern.

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

PROJECT NO.:83-4273

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SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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PROTOTYPE: P-123
DIVISION: 83
VERSION: 001
DESIGNED BY: DKH
DRAWN BY: CSH
REVIEWED BY: AMG

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
SITE LIGHTING CUT SHEETS

SHEET NUMBER:

Catalog # : SLM-LED-12L-SIL-3-40-70-CRI	Project :
Prepared By :	Date :

Slice Medium - SLM
Outdoor LED Area Light



The Slice's sleek design makes it perfectly-suited for Commercial & Industrial applications, while its cost-effective die-cast aluminum housing makes its acquisition cost very competitive. The Slice offers high performance silicone optics, die cast aluminum housing, 42,000+ lumens and is available with integral Airlink Synapse controls.

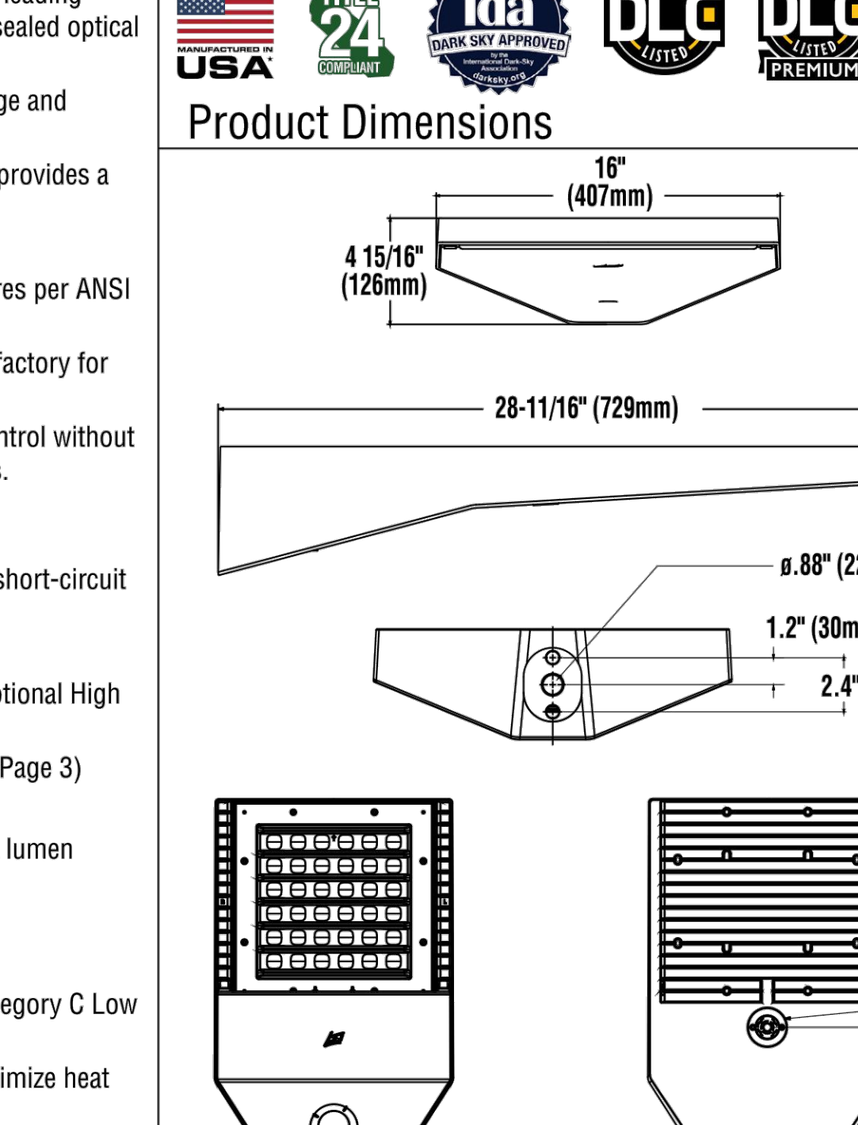
Features & Specifications

Dimmable · Wireless Controls · IP66 · RoHS Compliant · ARRA Funding Compliant · cULus Listed · Made in USA · Title 24 Compliant · IDA Dark Sky Approved · DLC Listed · DLC Premium

Optical System
- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5W, FT and FTA.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI C78.377. Optional 5700K CCT available in 90CRI only.
- Minimum CRI of 70. Optional 80 and 90 CRI available, consult factory for lead time.
- Integral Louver (IL) option available for improved back-light control without sacrificing street side performance. See page 5 for more details.

Electrical
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 3)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L lumen package rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Terminal block provided accepts up to 10ga wire.
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

Product Dimensions



Slice Medium - SLM
Outdoor LED Area Light

Features & Specifications (Cont.)

Construction
- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square poles.
- Luminaire is proudly manufactured in the U.S.of U.S. and imported parts.
- IP66 rated luminaire protects integral components from harsh environments.
- 3G rated for ANSI C136.31 high vibration applications
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

Controls
Wireless Controls System

To make this fixture AirLink ready, simply order one of the following options:
a. The integrated Wireless Lighting Controller: ALSC or ALSCH (see ordering guide) as the controls option, or
b. Integrated Wireless Controller option (above) with integrated motion sensor: ALSCS (ordering guide for mounting heights) or
c. The 7-Pin Photoelectric Control Receptacle: CR7P as the controls option; and either the 5-Pin or 7-Pin Twist Lock Controller: ALSC UNV TL5 or ALSC UNV TL7 as an accessory

To see how the components of AirLink system work together, reference the diagram in the controls section of this specsheet. For more information on our AirLink products, visit our website: www.lsi-airlink.com/airlink-synapse/

Stand-Alone Controls
- The integral passive infrared motion sensor (IMS) activates switching of luminaire light levels (see the controls section for more details).
- The 7-pin ANSI C136.41-2013 photocontrol receptacle option (CR7P) is available for twist lock photocontrols or wireless control modules.
- The Button Type Photocells (PCI) are capable of switching luminaires ON/OFF in response to the amount of available daylight.

Installation
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment for installing/servicing.
- Included terminal block provides quick and easy on-site wiring.
- Utilizes LSI's traditional 3" drill pattern for easy fastening of LSI products. (See drawing on page 1)

Warranty
- LSI LED Fixtures carry a 5-year warranty.

Listings
- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- American Recovery and Reinvestment Act Funding Compliant.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable For wet Locations.
- IP66 rated Luminaire. IP66 rated optical chamber.
- 3G rated for ANSI C136.31 high vibration applications

Performance

ELECTRICAL DATA (AMPS)*

Lumens	Watts	120V	208V	240V	277V	347V	480V
9L	68.2	0.6A	0.3A	0.3A	0.2A	0.2A	0.1A
12L	93.1	0.8A	0.4A	0.4A	0.3A	0.3A	0.2A
18L	148.5	1.2A	0.7A	0.6A	0.5A	0.4A	0.3A
24L	188.8	1.6A	0.9A	0.8A	0.7A	0.5A	0.4A
30L	248.6	2.1A	1.2A	1.0A	0.9A	0.7A	0.5A
36L	317.8	2.6A	1.5A	1.3A	1.1A	0.9A	0.7A
42L	393.4	3.3A	1.9A	1.6A	1.4A	1.1A	0.8A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)*

Lumens	Watts	120V	208V	240V	277V	347V	480V
9L	74.3	0.6A	0.4A	0.3A	0.3A	0.2A	0.2A
12L	102.9	0.9A	0.5A	0.4A	0.4A	0.3A	0.2A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE[1](24-42L)

Ambient	Initial[2]	25 hr[2]	50 hr[2]	75 hr[3]	100 hr[3]
0-40 C	100%	100%	97%	94%	92%

RECOMMENDED LUMEN MAINTENANCE[1](9-18L)

Ambient	Initial[2]	25 hr[2]	50 hr[2]	75 hr[3]	100 hr[3]
0-50 C	100%	96%	91%	87%	83%

1- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
2- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
3- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing

DELIVERED LUMENS*

Lumen Package	Distribution	Phosphor Converted Amber Delivered Lumens	Efficacy	BUG Rating	Wattage
9L	2	5958	80	B2-U0-G1	74
	2 IL	3735	50	B0-U0-G1	
	3	6196	83	B1-U0-G1	
	3 IL	4205	56	B0-U0-G1	
	5W	5528	74	B3-U0-G1	
	FT	5922	79	B1-U0-G2	
	FT IL	3712	50	B0-U0-G1	
	FTA	5997	80	B2-U0-G2	
	FTA IL	4254	57	B0-U0-G1	
12L	2	7559	73	B2-U0-G2	103
	2 IL	4738	46	B0-U0-G1	
	3	7860	76	B2-U0-G2	
	3 IL	5335	52	B0-U0-G1	
	5W	7013	68	B3-U0-G2	
	FT	7513	73	B2-U0-G2	
	FT IL	4709	46	B0-U0-G2	
	FTA	7608	74	B2-U0-G2	
	FTA IL	5397	52	B0-U0-G1	

*LED Chips are frequently updated therefore values are nominal

LUMINAIRE EPA CHART - SLM

Tilt Degree	0°	30°	45°	Tilt Degree	0°	30°	45°
Single	0.5	2.1	2.6	T90°	1.2	2.9	3.6
D180°	1.1	2.1	2.6	TN120°	1.3	4.4	5.4
D90°	0.9	2.5	3.1	Q90°	1.2	2.9	3.6

Specifications and dimensions subject to change without notice.

Slice Medium - SLM
Outdoor LED Area Light

DELIVERED LUMENS*

Lumen Package	Distribution	CRI	2700K CCT Delivered Lumens	Efficacy	BUG Rating	3000K CCT Delivered Lumens	Efficacy	BUG Rating	4000K CCT Delivered Lumens	Efficacy	BUG Rating	5000K CCT Delivered Lumens	Efficacy	BUG Rating	Wattage
9L	2	70	8349	122	B2-U0-G2	8576	125	B2-U0-G2	9396	137	B2-U0-G2	9784	143	B2-U0-G2	69
	2 IL	70	5185	76	B0-U0-G1	5326	78	B0-U0-G1	5835	85	B0-U0-G1	6076	89	B0-U0-G1	
	3	70	8571	125	B1-U0-G2	8804	129	B1-U0-G2	9646	141	B2-U0-G2	10044	147	B2-U0-G2	
	3 IL	70	6283	92	B0-U0-G2	6454	94	B0-U0-G2	7071	103	B0-U0-G2	7363	107	B0-U0-G2	
	5W	70	8158	119	B3-U0-G2	8380	122	B3-U0-G2	9181	134	B3-U0-G2	9560	140	B4-U0-G2	
	FT	70	8337	122	B2-U0-G2	8563	125	B2-U0-G2	9382	137	B2-U0-G2	9769	143	B2-U0-G2	
	FT IL	70	5393	79	B0-U0-G2	5540	81	B0-U0-G2	6069	89	B0-U0-G2	6320	92	B0-U0-G2	
	FTA	70	8459	123	B2-U0-G2	8689	127	B2-U0-G2	9520	139	B2-U0-G2	9913	145	B2-U0-G2	
	FTA IL	70	6200	91	B1-U0-G1	6369	93	B1-U0-G1	6978	102	B1-U0-G1	7266	106	B1-U0-G1	
12L	2	70	11157	119	B2-U0-G2	11461	122	B2-U0-G2	12556	134	B3-U0-G2	13075	139	B3-U0-G2	94
	2 IL	70	6929	74	B1-U0-G1	7117	76	B1-U0-G2	7798	83	B1-U0-G2	8119	86	B1-U0-G2	
	3	70	11454	122	B2-U0-G2	11766	125	B2-U0-G2	12890	137	B2-U0-G2	13423	143	B2-U0-G2	
	3 IL	70	8396	89	B0-U0-G2	8625	92	B0-U0-G2	9449	101	B0-U0-G2	9839	105	B0-U0-G2	
	5W	70	10902	116	B4-U0-G2	11199	119	B4-U0-G2	12269	131	B4-U0-G2	12775	136	B4-U0-G2	
	FT	70	11141	119	B2-U0-G2	11444	122	B2-U0-G2	12538	133	B2-U0-G3	13055	139	B2-U0-G3	
	FT IL	70	7207	77	B0-U0-G2	7403	79	B0-U0-G2	8110	86	B0-U0-G2	8445	90	B0-U0-G2	
	FTA	70	11304	120	B2-U0-G2	11612	124	B2-U0-G2	12722	135	B2-U0-G2	13247	141	B2-U0-G2	
	FTA IL	70	8286	88	B1-U0-G1	8511	91	B1-U0-G1	9325	99	B1-U0-G1	9710	103	B1-U0-G1	
18L	2	70	16714	112	B3-U0-G3	17168	115	B3-U0-G3	18809	126	B3-U0-G3	19586	131	B3-U0-G3	150
	2 IL	70	10379	69	B1-U0-G2	10662	71	B1-U0-G2	11681	78	B1-U0-G2	12163	81	B1-U0-G2	
	3	70	17158	115	B2-U0-G3	17625	118	B2-U0-G3	19310	129	B3-U0-G3	20107	134	B3-U0-G3	
	3 IL	70	12578	84	B1-U0-G3	12920	86	B1-U0-G3	14155	95	B1-U0-G3	14739	99	B1-U0-G3	
	5W	70	16331	109	B4-U0-G2	16776	112	B4-U0-G2	18379	123	B4-U0-G2	19138	128	B5-U0-G3	
	FT	70	16689	112	B3-U0-G3	17143	115	B3-U0-G3	18781	126	B3-U0-G4	19557	131	B3-U0-G4	
	FT IL	70	10795	72	B1-U0-G2	11089	74	B1-U0-G2	12149	81	B1-U0-G3	12651	85	B1-U0-G3	
	FTA	70	16934	113	B3-U0-G3	17395	116	B3-U0-G3	19058	127	B3-U0-G3	19844	133	B3-U0-G3	
	FTA IL	70	12412	83	B1-U0-G1	12750	85	B1-U0-G2	13969	93	B1-U0-G2	14546	97	B1-U0-G2	
24L	2	70	20880	112	B3-U0-G3	22701	121	B4-U0-G3	24276	130	B4-U0-G3	24784	133	B4-U0-G3	187
	2 IL	70	13100	70	B1-U0-G2	14243	76	B1-U0-G2	15231	81	B1-U0-G2	15550	83	B1-U0-G2	
	3	70	21739	116	B3-U0-G3	23636	126	B3-U0-G4	25275	135	B3-U0-G4	25804	138	B3-U0-G4	
	3 IL	70	15828	85	B1-U0-G3	17209	92	B1-U0-G3	18403	98	B1-U0-G4	18788	100	B1-U0-G4	
	5W	70	20632	110	B5-U0-G3	22432	120	B5-U0-G3	23988	128	B5-U0-G3	24490	131	B5-U0-G3	
	FT	70	21611	116	B3-U0-G3	23496	126	B3-U0-G4	25126	134	B3-U0-G4	25652	137	B3-U0-G4	
	FT IL	70	13692	73	B1-U0-G3	14886	80	B1-U0-G3	15919	85	B1-U0-G3	16252	87	B1-U0-G3	
	FTA	70	21496	115	B3-U0-G3	23371	125	B3-U0-G3	24992	134	B3-U0-G3	25515	136	B3-U0-G3	
	FTA IL	70	15226	81	B1-U0-G2	16555	89	B1-U0-G2	17703	95	B2-U0-G2	18073	97	B2-U0-G2	
30L	2	70	26581	108	B4-U0-G3	28900	117	B4-U0-G3	30905	125	B4-U0-G3	31551	128	B4-U0-G3	247
	2 IL	70	16677	68	B1-U0-G2	18132	73	B1-U0-G2	19390	79	B1-U0-G2	19796	80	B1-U0-G2	
	3	70	27675	112	B3-U0-G4	30089	122	B3-U0-G4	32176	130	B3-U0-G4	32850	133	B3-U0-G4	
	3 IL	70	20150	82	B1-U0-G4	21908	89	B1-U0-G4	23428	95	B1-U0-G4	23918	97	B1-U0-G4	
	5W	70	26266	106	B5-U0-G3	28557	116	B5-U0-G3	30538	124	B5-U0-G4	31177	126	B5-U0-G4	
	FT	70	27512	111	B3-U0-G4	29912	121	B3-U0-G4	31987	130	B3-U0-G4	32656	132	B3-U0-G5	
	FT IL	70	17430	71	B1-U0-G3	18951	77	B1-U0-G4	20266	82	B1-U0-G4	20690	84	B1-U0-G4	
	FTA	70	27365	111	B3-U0-G3	29752	120	B4-U0-G3	31816	129	B4-U0-G3	32482	132	B4-U0-G3	
	FTA IL	70	19384	78	B2-U0-G2	21075	85	B2-U0-G2	22537	91	B2-U0-G2	23008	93	B2-U0-G2	
36L	2	70	32214	102	B4-U0-G3	35025	111	B4-U0-G3	37454	118	B4-U0-G3	38238	121	B4-U0-G4	317
	2 IL	70	20212	64	B1-U0-G2	21975	69	B1-U0-G3	23499	74	B2-U0-G3	23991	76	B2-U0-G3	
	3	70	33540	106	B3-U0-G4	36466	115	B3-U0-G5	38996	123	B3-U0-G5	39812	126	B3-U0-G5	
	3 IL	70	24421	77	B1-U0-G4	26551	84	B1-U0-G4	28393	90	B1-U0-G4	28987	92	B1-U0-G5	
	5W	70	31832	100	B5-U0-G4	34609	109	B5-U0-G4	37010	117	B5-U0-G4	37785	119	B5-U0-G4	
	FT	70	33342	105	B3-U0-G5	36251	114	B3-U0-G5	38766	122	B4-U0-G5	39577	125	B4-U0-G5	
	FT IL	70	21125	67	B1-U0-G4	22968	73	B1-U0-G4	24561	78	B1-U0-G4	25075	79	B1-U0-G4	
	FTA	70	33164	105	B4-U0-G3	36058	114	B4-U0-G4	38559	122	B4-U0-G4	39366	124	B4-U0-G3	
	FTA IL	70	23492	74	B2-U0-G2	25541	81	B2-U0-G2	27313	86	B2-U0-G2	27885	88	B2-U0-G2	
42L	2	70	36785	94	B4-U0-G3	39994	103	B5-U0-G4	42768	110	B5-U0-G4	43663	112	B5-U0-G4	390
	2 IL	70	23079	59	B1-U0-G3	25093	64	B2-U0-G3	26833	69	B2-U0-G3	27395	70	B2-U0-G3	
	3	70	38299	98	B3-U0-G5	41640	107	B4-U0-G5	44528	114	B4-U0-G5	45460	117	B4-U0-G5	
	3 IL	70	27886	72	B1-U0-G4	30319	78	B1-U0-G5	32422	83	B1-U0-G5	33100	85	B1-U0-G5	
	5W	70	36349	93	B5-U0-G4	39520	101	B5-U0-G4	42261	108	B5-U0-G4	43145	111	B5-U0-G4	
	FT	70	38073	98	B4-U0-G5	41395	106	B4-U0-G5	44266	114	B4-U0-G5	45192	116	B4-U0-G5	
	FT IL	70	24122	62	B1-U0-G4	26226	67	B1-U0-G4	28045	72	B1-U0-G4	28632	73	B1-U0-G4	
	FTA	70	37870	97	B4-U0-G4	41174	106	B4-U0-G4	44030	113	B4-U0-G4	44951	115	B4-U0-G4	
	FTA IL	70	26825	69	B2-U0-G2	29165	75	B2-U0-G2	31188	80	B2-U0-G2	31841	82	B2-U0-G2	

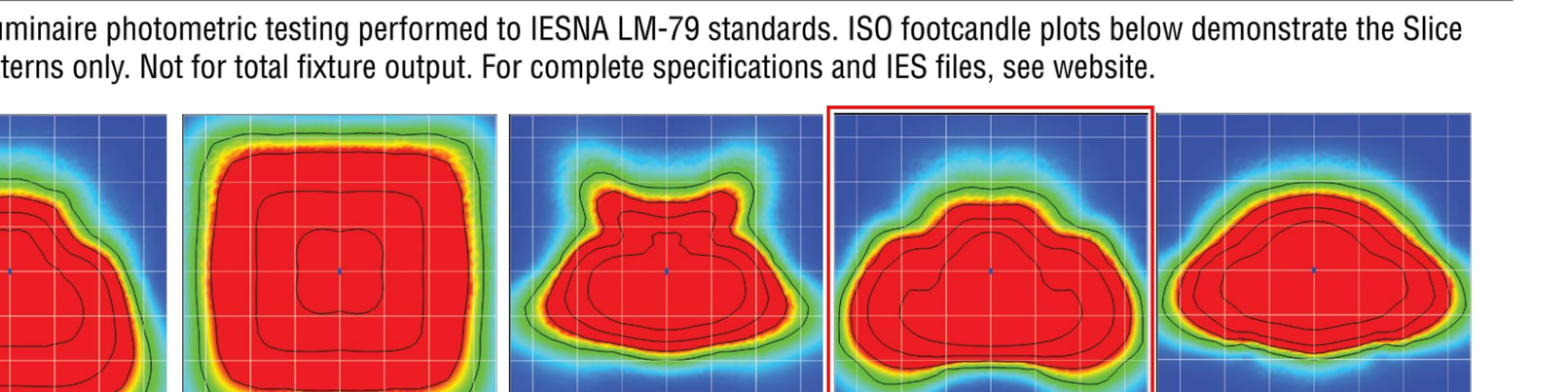
*LED Chips are frequently updated therefore values are nominal

Specifications and dimensions subject to change without notice.

Slice Medium - SLM
Outdoor LED Area Light

Performance (Cont.)

All published luminaire photometric testing performed to IESNA LM-79 standards. ISO footcandle plots below demonstrate the Slice (SLM) light patterns only. Not for total fixture output. For complete specifications and IES files, see website.



Ordering Guide

TYPICAL ORDER EXAMPLE: SLM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL

Luminaire Prefix	Light Source	Lumen Package*	Light Output	Distribution	Orientation[1]	Voltage	Driver
SLM Slice Medium	LED	9L - 9,000 lms 12L - 12,000 lms 18L - 18,000 lms 24L - 24,000 lms 30L - 30,000 lms 36L - 36,000 lms 42L - 42,000 lms *Consult factory for programmable wattages and lumen packages	SIL - Silicone	2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw FTA - Forward Throw Automotive	(blank) - standard L- Optics rotated left 90 R - Optics rotated right 90	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)

Color Temp	Color Rendering	Controls (Choose One)	Finish	Options
57 - 5,700 CCT[2,12] 50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT[2] 27 - 2,700 CCT[2] AMB - Phosphor Converted Amber[2,3]	70CRI - 70 CRI 80CRI - 80 CRI[2] 90CRI - 80 CRI[2,12]	(Blank) - None **Wireless Controls System** ALSC - AirLink Synapse Control System[4] ALSCH - AirLink Synapse Control System Host / Satelite[4,5] ALSCS01 - AirLink Synapse Control System with 8-12' Motion Sensor[4] ALSCHS01 - AirLink Synapse Control System Host / Satelite with 8-12' Motion Sensor[4,5] ALSCS02 - AirLink Synapse Control System with 12-20' Motion Sensor[4] ALSCHS02 - AirLink Synapse Control System Host / Satelite with 12-20' Motion Sensor[4,5] ALSCS04 - AirLink Synapse Control System with 20-40' Motion Sensor[4] ALSCHS04 - AirLink Synapse Control System Host / Satelite with 20-40' Motion Sensor[4,5] **Stand-Alone Controls** EXT - 0-10v Dimming (from external signal) IMSOM1 - Integral Motion Sensor 8-12' 120-277V[4,6] IMSOM2 - Integral Motion Sensor 12-20' 120-277V[4,6] IMSOM4 - Integral Motion Sensor 20-40' 120-277V[4,6] IMSOM1HV - Integral Motion Sensor 8-12' 347-480V[6,10] IMSOM2HV - Integral Motion Sensor 12-20' 347-480V[6,10] IMSOM4HV - Integral Motion Sensor 20-40' 347-480V[6,10] CR7P - 7 Pin Control Receptacle ANSI C136.41[7] **Button Type Photocells** PCI120 - 120V PCI208-277 - 208 -277V PCI347 - 347V	BRZ - Bronze BLK - Black GPT - Graphite MSV - Metallic Silver WHT - White PLP - Platinum Plus SVG - Satin Verde Green	(Blank) - None IL - Integral Louver HSS[1]

Slice Medium - SLM
Outdoor LED Area Light

Accessory Ordering Information[8]

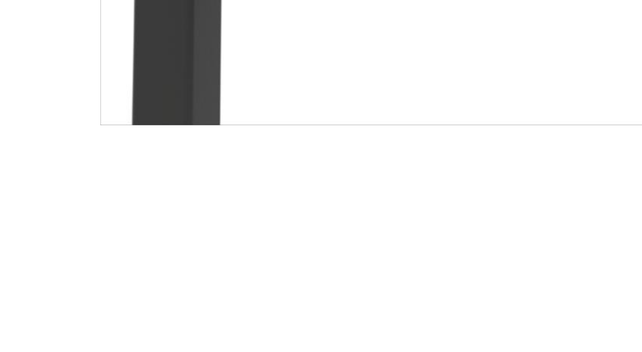
Description	Order Number	Description	Order Number
PC120 Photocell for use with CR7P option (120V)[9]	122514	DFK208, 240 Double Fusing (208V, 240V)	DFK240
PC208-277 Photocell for use with CR7P option (208V, 240V, 277V)[9]	122515	DFK480 Double Fusing (480V)	DFK480
PC347 Photocell for use with CR7P option (347V)[9]	122516	DFK347 Double Fusing (347V)	DFK347
PC480 Photocell for use with CR7P option (480V)[9]	1225180	X5RPP - Round Pole Adapter for 5" Poles[11]	379968CLR
ALSC UNV TL5 - Airlink 5Pin Twist Lock Controller[4,9]	661409	IL - Integral Louver HSS	684812
ALSC UNV TL7 - Airlink 7Pin Twist Lock Controller[4,9]	661410	Universal Mounting Bracket (UMB)[11]	684616CLR
PMOS24 - 24V Pole-Mount Occupancy Sensor (ALSC/H Compatible)[10,11]	663284CLR	Adjustable Slip Fitter (ASF)[11]	688138CLR
IMS/PC Remote Configurator Tool	584929	Pole Quick Mount Bracket - Square Pole[11]	687073CLR
X3RPP - Round Pole Adapter for 3" Round Tapered Poles[11]	408273CLR	Pole Quick Mount Bracket - 4-5" Round Pole[11]	689903CLR
X4RPP - Round Pole Adapter for 4" Poles[11]	379967CLR	15° Tilt Pole Quick Mount Bracket - Square Pole[11]	688003CLR
FK120 Single Fusing (120V)	FK120	15° Tilt Pole Quick Mount Bracket - 4-5" Round Pole[11]	689905CLR
FK277 Single Fusing (277V)	FK277	BKS XBO WM * CLR Wall Mount Bracket[11]	382132CLR

FOOTNOTES:
1 - Not available on "Type V" distribution.
2 - Consult Factory for availability.
3 - Only available in 9L and 12L Lumen Packages
4 - Not available in HV.
5 - Consult Factory for Site Layout
6 - IMS is field adjustable, via a hand held Remote Configurator Tool, which must be ordered separately. See Accessory Ordering Information.
7 - Control device must be ordered separately. 7 pin standard. See Accessory Ordering Information.
8 - Accessories are shipped seperately and field installed.
9 - Factory installed CR7P option required. See Options.
10 - Only available with ALSC* Controls
11 - "CLR" denotes finish. See Finish options.
12 - Only available in 5700K 90CRI for lumen packages 24L-42L.

Accessories/Options

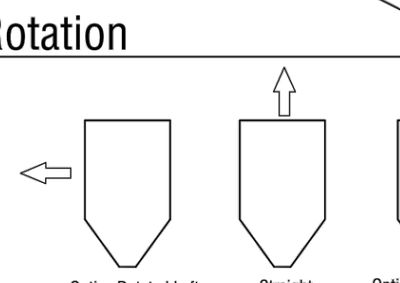
Integral Louver (IL)
Accessory Integral Louver available for improved back-light control without sacrificing street side performance. LSI's Integral Louver (IL) option delivers backlight control that significantly reduces light spill behind the pole for applications with pole locations close to adjacent properties. The integrated louvers' design maximizes forward-reflected light while - reducing glare, maintaining the optical distribution selected, and most importantly, eliminating light trespass. The Integral louver rotates with the optical distribution.

Luminaire Shown with Integral Louver (IL)

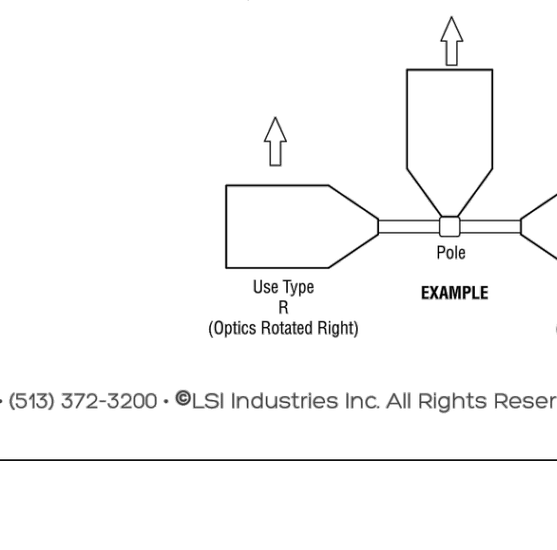


7 Pin Photoelectric Control
7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Fixture Shown with CR7P



Optics Rotation



Slice Medium - SLM
Outdoor LED Area Light

Stand-alone Controls: Occupancy Sensor (IMS)

The integral passive infrared motion sensor activates switching of luminaire light levels. Standard Factory settings: High level light is activated and increased to full bright upon detection of motion. Lowlight level (10% maximum drive current) is activated when target zone is absent of motion activity for ~5 minutes. See coverage diagram for detection cone.

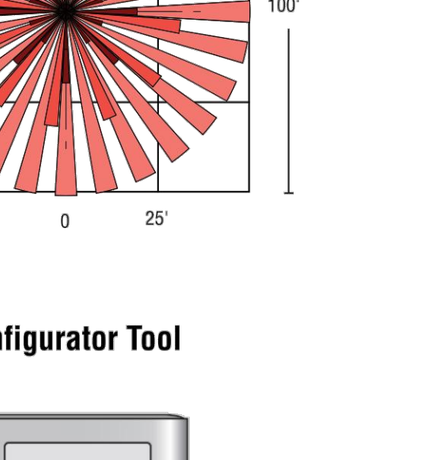
The Remote Configurator Tool allows for easy and safe programming of each luminaire from ground level. See the Remote Configurator User Guide for programming instructions.

When ordering the Stand-alone Occupancy Sensor on the fixture, you must include IMS (see ordering guide for mounting height options) as the controls option in the fixture nomenclature.

To order as a motion sensor with the AirLink Wireless Control System, see ordering guide under "Wireless Controls System" and select the ALSCS controls option with the desired mounting height.

IMS Coverage Diagrams

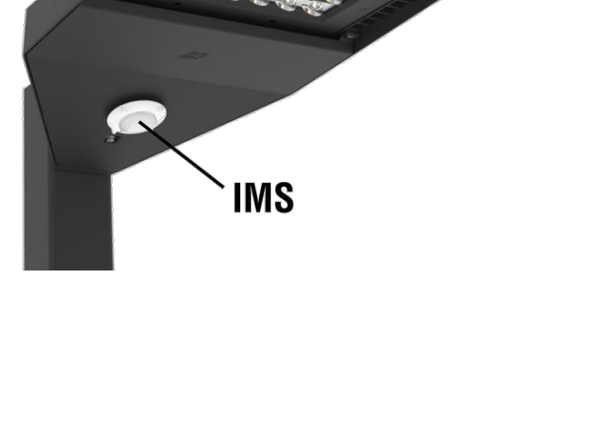
TOP VIEW



SIDE VIEW

Remote Configurator Tool

Luminaire Shown with IMS



Slice Medium - SLM
Outdoor LED Area Light

AirLink enabled by Synapse®

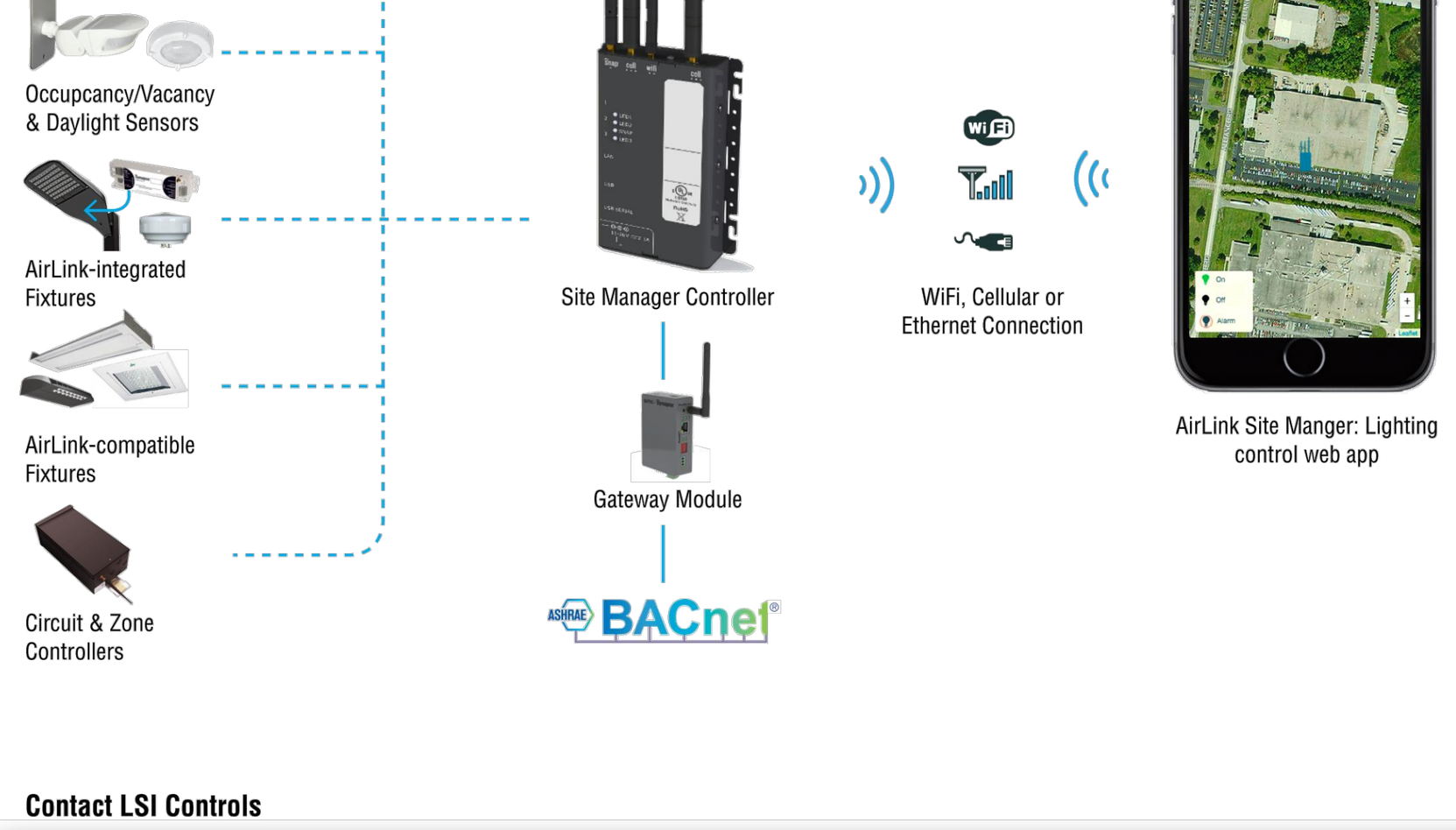
The AirLink enabled by Synapse Wireless Lighting Control System is the perfect solution for commercial, industrial and municipal applications, such as: auto dealerships, parking lots, garages, shopping complexes and warehouses.

AirLink utilizes robust wireless communication via 2.4 GHz Self-Healing Mesh Network which not only increases reliability and accuracy of system, but also eliminates single point of failure.

The flexibility of the system make it perfect for new construction and retrofit projects. The user-friendly AirLink web application is accessible through any device with an internet connection and allows for complete customization of the system's features.

Some capabilities of the system include: occupancy/vacancy sensing, daylight harvesting, scheduling, high-end trim, dimming, zone control, BMS integration and energy monitoring.

The AirLink System



Contact LSI Controls

Sales controls.sales@lsi-industries.com

Support controls.support@lsi-industries.com 1 (800) 436-7800 (support, option 8)

More information For more information on AirLink, visit our website at **www.lsi-airlink.com**

Slice Medium - SLM
Outdoor LED Area Light

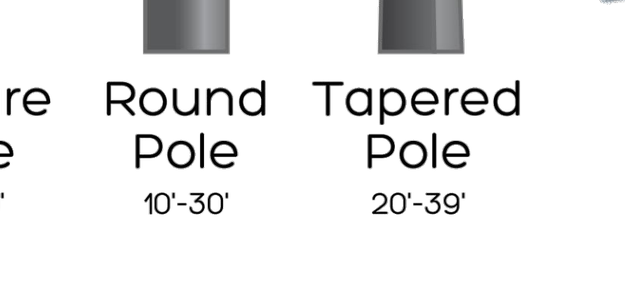
LSI poles & Brackets

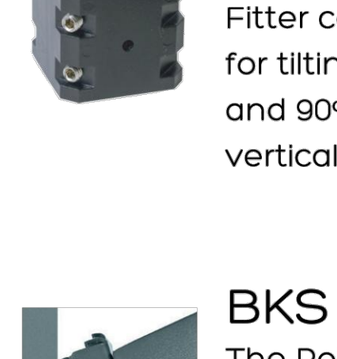


LSI offers a full line of poles and brackets to complete your lighting assembly. Our USA manufacturing facility has the same high quality standards for our poles and brackets as we do our lighting fixtures.

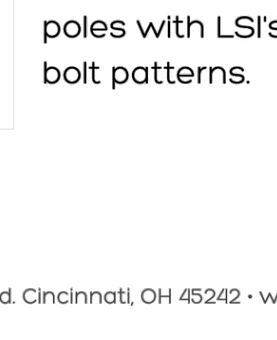


BKA UMB CLR
The 3G rated Universal Mounting Bracket (UMB) allows for seemless integration of LSI Luminaires onto existing or new construction poles. The UMB bracket was designed specifically for square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5"-5".

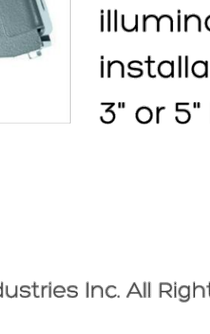




BKA ASF CLR
The adjustable Slip Fitter is a 3G rated rugged die cast aluminum adapter to mount LSI luminaires onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon. The Adjustable Slip Fitter can be rotated 180° allowing for tilting LSI luminaires up to 45° and 90° when using a vertical tenon.



BKS PQMH CLR
The Pole Quick Mount Bracket allows for lightning fast installation of LSI luminaires onto existing and new construction poles with LSI's 3" or 5"standard bolt patterns.



BKS PQM15 CLR
The Pole Quick Mount Bracket allows for preset 15° uptilt of LSI luminaires for greater throw of light and increased vertical illumination aswell as fast installation onto poles with LSI's 3" or 5" bolt pattern.

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

PROJECT NO.:83-4273

CRUX TECHNOLOGY + SECURITY SOLUTIONS
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www.cruxsolutions.com

SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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PROTOTYPE: P-123
DIVISION: 83
VERSION: 001
DESIGNED BY: DKH
DRAWN BY: CSH
REVIEWED BY: AMG

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN SITE LIGHTING TYPE B CUT SHEETS

SHEET NUMBER:

Project: QUIK TRIP STANDARD 20 FOOT POLE | Fixture Type:
Catalog #: 4SQ B3 S11G20 S D90,D180,T90 BR2 | Prepared By: | Date:

LSI poles — STEEL SQUARE STRAIGHT POLES

Features & Specifications

Pole Shaft
- Straight poles are 4", 5", or 6" square.
- Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 50,000 psi.
- Dri Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe. Tenon is 4-3/4" in length.

Hand-Hole
- Standard hand-hole location is 12" above pole base.
- Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.

Base
- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional.

Anchor Bolts
- Poles are furnished with anchor bolts featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional.
- Anchor bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 psi.

Ground Lug
- Ground lug is standard.

Duplex Receptacle
- Weatherproof duplex receptacle is optional.

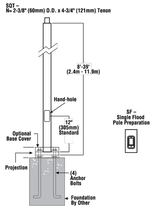
Ground Fault Circuit Interrupter
- Self-testing ground fault circuit interrupter is optional.

Finishes
- Every pole is provided with the **DuraGrip® Protection System** and a 5-year limited warranty:
  - Each shaft is purchased to a stricter straightness tolerance than specified on industry material standards. Shafts with dents, dings, roll marks, or patterns on the exterior surface are rejected. Shafts are stored indoors to prevent corrosion.
  - After connecting holes are cut and hand holes and baseplates welded to the shafts, each pole undergoes a thorough shot-peening process, resulting in a near-white surface. This procedure removes all dirt and scale and strengthens the surface of the steel by inducing a compressive residual stress that helps prevent cracking and extend the life of the pole.
  - After shot peening, a neutral wash is applied followed by the application of a zirconium treatment that improves powder-coat adhesion and protects from corrosion.
  - Next, each pole is coated through electrostatic application of a polyester powder paint in standard LSI bronze or the color approved by the customer. Paint thickness is measured in multiple locations along the pole to ensure specification adherence.
  - Finally, the pole is oven baked to form a homogenous, non-porous surface and wrapped for shipment in a woven fabric sleeve to protect the finish during transit.
- When the top-of-the line **DuraGrip® Plus Protection System** is selected, in addition to the DuraGrip® Protection System, a non-porous, automotive-grade corrosion coating is applied to the lower portion of the pole interior, sealing and further protecting it from corrosion. This option extends the limited warranty to 7 years.

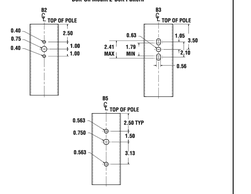
ARRA Funding Compliant — BUY AMERICA IN THE USA

Product Dimensions

SOT = No. 2-3/8" (60mm) O.D. x 4-3/4" (121mm) Tenon



Bolt-On Mount 2-Bolt Pattern



LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 - www.lsi-industries.com - (513) 372-3200 - ®LSI Industries Inc. All Rights Reserved.

LSI poles — STEEL SQUARE STRAIGHT POLES

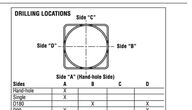
Features & Specifications (Cont.)

Determining The Luminaire/Pole Combination For Your Application:
- Select luminaire from luminaire ordering information
- Select bracket configuration if required
- Determine EPA value from luminaire/bracket EPA chart
- Select pole height
- Select MPH to match wind speed in the application area (See windspeed maps)
- Confirm pole EPA equal to or exceeding value from note above
- Consult factory for special wind load requirements and banner brackets

SHIPPING WEIGHTS - Steel Square Poles

4"(102mm) sq. (1 Ga. is approximately	7.50 lbs./ft.
4"(102mm) sq. (7 Ga. is approximately	10.00 lbs./ft.
5"(127mm) sq. (11 Ga. is approximately	9.00 lbs./ft.
5"(127mm) sq. (7 Ga. is approximately	13.50 lbs./ft.
6"(152mm) sq. (7 Ga. is approximately	15.40 lbs./ft.
Anchor Bolts (3/4" x 30") (19mm x 762mm)	16 lbs./3'sp/set
Anchor Bolts (1" x 36")(25mm x 914mm)	36 lbs. 1/4sp/set

DRILLING LOCATIONS



Side "A" (Hand-hole Side)

Sides	A	B	C	D
Hand-hole	X			
Single	X			
D180		X		X
D90	X			X
DN90				
D90/D	X			X
T90	X	X		X
TN120				
QR90	X	X	X	X
Single FBO	X			
Double FBO		X		X

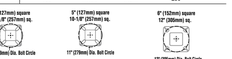
Notes:
1 - Two locations will be 45° to the left and right of Side A.
2 - Other two locations will be 135° to the left and right of Side A.
3 - Two locations will be 45° to the left and right of Side A and two locations will be 135° to the left and right of Side A.
Consult factory for custom locations. Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.

Fixture Configurations





Bolt Circle



Bolt Circle Designator	B	C	D	J
Bolt Circle	Slotted 8"-11" (203mm-279mm)	Slotted 9"-11" (229mm-279mm)	Slotted 9"-11" (229mm-279mm)	Slotted 12" (305mm)
Anchor Bolt Size	3/4" x 30" (19mm x 762mm)	3/4" x 30" (19mm x 762mm)	1" x 36" (25mm x 914mm)	1" x 36" (25mm x 914mm)
Anchor Bolt Projection	3-1/4" (83mm)	3-1/4" (83mm)	4" (102mm)	4" (102mm)
Base Plate Opening for Wireway Entry	3-5/8" (92mm)	4-3/4" (121mm)	6-5/8" (171mm)	5-5/8" (143mm)
Base Plate Dimensions	15-1/8" sq. x 3/4" thk. (257mm x 19mm)	15-1/8" sq. x 3/4" thk. (257mm x 19mm)	15-1/8" sq. x 1" thk. (257mm x 25mm)	17" sq. x 1-1/8" thk. (305mm x 29mm)

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.

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LSI poles — STEEL SQUARE STRAIGHT POLES

Ordering Guide

TYPICAL ORDER EXAMPLE: **5SQ B5 S07G 24 S PLP DGP**

Pole Series	Mounting Method	Material	Height*	Mounting Configuration	Pole Finish	Options
4SQ - 4" x 4" Square Straight Pole **5SQ** - 5" x 5" Square Straight Pole **6SQ** - 6" x 6" Square Straight Pole	**Bolt-On Mount*** - See pole selection guide for patterns and fixture matches. **B5** - 5" Traditional drilling pattern **B2** - 2" Reduced drilling pattern **B2** - 2" Tellus drilling pattern **T** – Tenon Mount - See pole selection guide for tenon and fixture/bracket matches. **I** – No Mounting Holes* - Use with: • BKA 4SQF & BKA 5SQF • BKA 6MQF & BKA 6SQF	S11G - 11 Ga. Steel (4SQ and 5SQ only) S07G - 07 Ga. Steel	8' 10' 12' 13' 14' 15' 16' 17' 17' 6" 18' 20' 22' 22' 6" 24' 25' 26' 27' 28' 30' 32' 35' 39' Height Restriction. Consult Pole Selection Chart on opposite page	S – Single/Parallel D180 – Double D90 – Double DN90 – Double T90 – Triple TN120 – Triple QR90 – Quad QN90 – Quad N – Tenon Mount (Standard tenon size is 2-3/8" O.D.)	**BRZ** – Bronze **BLK** – Black PLP – Platinum Plus WHT – White SVG – Satin Verde Green GPT – Graphite MSV – Metallic Silver BZA – Alternate Bronze	GA – Galvanized Anchor Bolts SF – Single Flood † DF – Double Flood † DGP – DuraGrip® Plus LAB – Less Anchor Bolts ODXX – Pole preparation for PMOS Occupancy Sensor‡ CRXX - Conduit Raceway§ Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.

Accessory Ordering Information

Description	Order Number
4SC - 4" Square Base Cover	1225060LR
5SC - 5" Square Base Cover	1225612LR
6SC - 6" Square Base Cover	1225602LR
ER2 – Weatherproof Duplex Receptacle	1225660LR
GFI – Ground Fault Circuit Interrupter	1225637LR
MHS – mounting Hole Plugs for use with 5" traditional drill pattern (1 set of 3 plugs)	132536
MH3 – mounting Hole Plugs for use with 3" reduced drill pattern (1 set of 3 plugs)	681126
MH2 – Mounting Hole Plugs for use with 2" reduced drill pattern (1 sets of 3 plugs)	725841

Description	Order Number
Vibration Damper – 4" Square Pole (bolt-on mount only)	172528
Vibration Damper – 5" Square Pole (bolt-on mount only)	172538
Vibration Damper – 6" Square Pole (bolt-on mount only)	172551
PMOS120 - 120V Occupancy Sensor	5183060CLRT
PMOS208/240 - 208, 240V Occupancy Sensor	5342590CLRT
PMOS277 - 277V Occupancy Sensor	5182260CLRT
PMOS480 - 480V Occupancy Sensor	5342460CLRT

FOOTNOTES:
1 - See Area Light Brackets - 3" Reduced Drill Pattern and Area Light Brackets - 5" Traditional Drill Pattern spec sheets.
2 - Pole heights will have +/- 1/2" tolerance.
3 - See Flood Lighting Brackets section for choice of FBO brackets.
4 - Order PMOS separately. Change "XX" to indicate height and side of pole location for pole preparation. EX: 0518A indicates preparation is to be 18ft. up from pole base on side A. Optional distance from ground to sensor is 20ft.
5 - CRXX option required. Not for use with Metal Halide fixtures
6 - CR selection must indicate required height and side of pole mounting location. Mounting template required at time of order.

Specifications and dimensions subject to change without notice.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 - www.lsi-industries.com - (513) 372-3200 - ®LSI Industries Inc. All Rights Reserved.

LSI poles — STEEL SQUARE STRAIGHT POLES

Wind Speed

EPA Information
All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located. **CAUTION:** This guarantee does not apply if the pole bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

NOTE: Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.

Use ONLY with "Wind Speed Map for ASCE 7-10

POLE*	Wtg. Height Length (ft)	Wall Thick (ga)	BOLT CIRCLE Designator	BOLT CIRCLE Dia (in)	BOLT CIRCLE Anchor bolt Dia (in)	EPA 110 MPH	EPA 115 MPH	EPA 120 MPH	EPA 130 MPH	EPA 140 MPH	EPA 150 MPH	EPA 160 MPH	EPA 170 MPH	EPA 180 MPH
4" x 11 ga x 12'	12	11	B	8"-11"	0.75	13.8	13.3	11.3	9.2	7.8	6.3	5.2	4.3	3.6
4" x 11 ga x 14'	14	11	B	8"-11"	0.75	10.7	9.5	8.5	6.8	5.4	4.4	3.5	2.7	2.1
4" x 11 ga x 16'	16	11	B	8"-11"	0.75	8.2	7.2	6.4	4.9	3.8	2.9	2.1	1.3	1.0
4" x 11 ga x 18'	18	11	B	8"-11"	0.75	6.3	5.4	4.7	3.4	2.4	1.6	1.0	0.4	n/a
4" x 11 ga x 20'	20	11	B	8"-11"	0.75	4.6	3.9	3.2	2.1	1.2	0.6	n/a	n/a	n/a
4" x 11 ga x 22'	22	11	B	8"-11"	0.75	7.6	6.6	5.7	4.2	3.0	2.0	1.2	0.5	n/a
4" x 11 ga x 24'	24	11	B	8"-11"	0.75	6.0	5.1	4.3	2.8	1.8	0.9	n/a	n/a	n/a
4" x 11 ga x 26'	26	11	B	8"-11"	0.75	4.6	3.7	3.0	1.7	0.7	n/a	n/a	n/a	n/a
4" x 7 ga x 14'	14	7	B	8"-11"	0.75	18.3	16.4	14.9	12.2	10.2	8.5	7.1	5.9	5.0
4" x 7 ga x 16'	16	7	B	8"-11"	0.75	14.7	13.2	11.8	9.6	7.8	6.3	5.2	4.2	3.4
4" x 7 ga x 18'	18	7	B	8"-11"	0.75	11.9	10.5	9.3	7.4	5.9	4.6	3.6	2.8	2.1
4" x 7 ga x 20'	20	7	B	8"-11"	0.75	9.6	8.4	7.4	5.7	4.3	3.2	2.3	1.6	0.9
4" x 7 ga x 22'	22	7	B	8"-11"	0.75	7.7	6.6	5.7	4.2	3.0	2.0	1.2	0.5	n/a
4" x 7 ga x 24'	24	7	B	8"-11"	0.75	6.0	5.1	4.3	2.9	1.8	0.9	n/a	n/a	n/a
4" x 7 ga x 26'	26	7	B	8"-11"	0.75	4.6	3.7	3.0	1.7	0.7	n/a	n/a	n/a	n/a
4" x 7 ga x 28'	28	7	B	8"-11"	0.75	3.3	2.5	1.8	0.7	n/a	n/a	n/a	n/a	n/a
4" x 7 ga x 30'	30	7	B	8"-11"	0.75	2.2	1.4	0.8	n/a	n/a	n/a	n/a	n/a	n/a
5" x 11 ga x 14'	14	11	C	9"-11"	0.75	17.4	15.7	14.1	11.5	9.3	7.7	6.3	5.2	4.2
5" x 11 ga x 16'	16	11	C	9"-11"	0.75	13.8	12.3	10.9	8.7	6.9	5.5	4.3	3.3	2.5
5" x 11 ga x 18'	18	11	C	9"-11"	0.75	10.8	9.6	8.4	6.5	4.9	3.7	2.6	1.8	1.1
5" x 11 ga x 20'	20	11	C	9"-11"	0.75	8.5	7.3	6.3	4.6	3.2	2.1	1.2	0.5	n/a
5" x 11 ga x 22'	22	11	C	9"-11"	0.75	10.9	9.5	8.3	6.2	4.5	3.2	2.1	1.2	0.5
5" x 11 ga x 24'	24	11	C	9"-11"	0.75	8.8	7.5	6.4	4.5	3.0	1.8	0.8	n/a	n/a
5" x 11 ga x 26'	26	11	C	9"-11"	0.75	6.8	5.7	4.8	3.0	1.6	0.6	n/a	n/a	n/a
5" x 11 ga x 28'	28	11	C	9"-11"	0.75	5.2	4.1	3.2	1.6	0.4	n/a	n/a	n/a	n/a
5" x 11 ga x 30'	30	11	C	9"-11"	0.75	3.6	2.7	1.8	0.4	n/a	n/a	n/a	n/a	n/a
5" x 7 ga x 20'	20	7	D	9"-11"	1.00	21.6	19.3	17.3	14.0	11.3	9.2	7.4	6.0	4.8
5" x 7 ga x 22'	22	7	D	9"-11"	1.00	20.7	18.6	16.6	13.3	10.7	8.5	6.8	5.4	4.2
5" x 7 ga x 24'	24	7	D	9"-11"	1.00	17.7	15.8	13.8	10.9	8.5	6.6	5.0	3.7	2.6
5" x 7 ga x 26'	26	7	D	9"-11"	1.00	14.9	13.1	11.4	8.8	6.6	4.9	3.5	2.3	1.3
5" x 7 ga x 28'	28	7	D	9"-11"	1.00	12.5	10.9	9.4	6.9	4.9	3.4	2.1	1.0	n/a
5" x 7 ga x 30'	30	7	D	9"-11"	1.00	10.3	8.9	7.5	5.2	3.4	2.2	0.8	n/a	n/a
5" x 7 ga x 35'	35	7	D	9"-11"	1.00	6.0	4.8	3.6	1.8	n/a	n/a	n/a	n/a	n/a
6" x 7 ga x 24'	24	7	J	12"	1.00	18.6	16.4	14.5	11.2	8.6	6.5	4.8	3.4	2.2
6" x 7 ga x 26'	26	7	J	12"	1.00	15.6	13.4	11.7	8.8	6.5	4.8	3.0	1.8	0.7
6" x 7 ga x 28'	28	7	J	12"	1.00	12.9	10.9	9.3	6.7	4.6	2.8	1.5	n/a	n/a
6" x 7 ga x 30'	30	7	J	12"	1.00	10.4	8.5	7.0	4.6	2.9	1.3	n/a	n/a	n/a
6" x 7 ga x 32'	32	7	J	12"	1.00	8.3	6.6	5.5	3.1	1.3	n/a	n/a	n/a	n/a
6" x 7 ga x 34'	34	7	J	12"	1.00	6.3	5.0	3.7	1.6	n/a	n/a	n/a	n/a	n/a
6" x 7 ga x 35'	35	7	J	12"	1.00	5.5	4.2	2.9	0.8	n/a	n/a	n/a	n/a	n/a
6" x 7 ga x 39'	39	7	J	12"	1.00	2.3	1.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located. **CAUTION:** This guarantee does not apply if the pole bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

Note:
1- Poles shorter than those listed here in for each gauge have EPA rating equal to or greater than what is provided in this table. To Confirm EPA ratings on shorter poles, contact LSI Industries.
2- LSI Industries recommends a vibration damper be ordered with this length.

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PROJECT NO.: 83-4273

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SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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VERSION:	001
DESIGNED BY:	DKH
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REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
SITE LIGHTING POLE CUT SHEETS

SHEET NUMBER:
15 OF 18

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

Catalog #: CRUS-SC-SS-40 Project:

Prepared By: Date: Type:

Scottsdale® Legacy (CRUS)

LED Canopy Luminaire

IP66



OVERVIEW	
Lumen Package	5,000 - 22,000
Wattage Range	38 - 152
Efficacy Range (LPW)	114 -156
Weight lbs(kg)	23 (10.4)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Features a ultra-slim 11/16" profile die-cast housing, with flat clear or diffused tempered glass lens. Unit is water-resistant, sealed and IP66 rated. Integral designed heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.
- Standard color is white and is finished with LSI's DuraGrip® polyester powder coat process. DuraGrip withstands extreme weather changes without cracking or peeling.
- Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.

Optical System

- Features an array of select, mid-power, high brightness, high efficiency LED, 3000K, 4000K, 5000K color temperature, 80 CRI (nominal).
- Choice of Symmetric or Asymmetric distribution. Asymmetric provides a wider distribution pattern. Optional symmetric with diffused lens also available.
- Diffuse lens available as an option to soften brightness of the luminaire.
- Six Lumen Packages; 5,000, 9,000, 10,000, 13,000, 18,000 and 22,000 Lumens.

Electrical

- High performance factory programmable driver features over-voltage, under voltage, short-circuit and over temperature protection with integral 6kV surge protection that meets IEEE C62.41.2 and ANSI C82.77-5 Location Category C Low standards. Additional field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2). Custom lumen and wattage packages available.
- Driver components are fully encased in potting for moisture resistance. Complies with IEC and FCC standards. 0-10 V dimming supplied standard with all drive currents.
- Die-cast aluminum, wet location rated driver/electrical enclosure is elevated above canopy deck to prevent water entry, provide easy "knock-out" connection of primary wiring and acts as the primary heatsink ensuring cool operation of internal components for longer life. Seals to optical housing via one-piece molded silicone gasket.
- Universal voltage power supply, 120-277 VAC, 50/60 HZ and 347-480 VAC, 50/60 HZ input.
- -40°C to 55°C (-40°F to 131°F) ambient operating temperature. (Varies based on lumen package and mounting style see performance data for specifics.)
- Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location (see performance data for specifics.)

Hazardous Location

- Designed for lighter than air fuel applications. Product is suitable for Class 1 Divisions 2 only when properly installed per LSI installation instructions. See lsicorp.com for specific guidance. Not available on SLW.

Installation

- One-person installation.
- Installs in a 12" or 16" deck pan. Deck penetration consists of a 4" hole, simplifying installation and water sealing. Unit is designed to quickly retrofit into existing Scottsdale (4") hole as well as openings for Encore and Encore Top Access and to reconnect wiring for the SC/ECTA without having to relocate the conduit.
- Retro panels are available for existing Encores as well as kits for recessed and 2x2 installations (see separate spec sheets). Support brackets are provided standard, to prevent sagging of deck.

Warranty

- LSI LED fixtures carry a 5-year warranty (contact your LSI representative for extended warranty options.)

Listings

- UL and ETL listed to UL 1598, UL 8750 and other U.S. and International safety standards. Suitable for wet locations.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- Meets Buy American Act requirements.
- IDA compliant with 3000K or lower color temperature.

Type:

Scottsdale® Legacy LED Canopy Luminaire (CRUS)

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **CRUS SC LED SS 50 UE WHT**

Prefix	Distribution	Light Source	Drive Current	Color Temp	Input Voltage	Finish	Options
CRUS - LED Canopy Luminaire	**SC** - Symmetric **AC** - Asymmetric	**LED**	**SLM** = 5,000 Lumens **VLM** = 9,000 Lumens **LW** = 11,000 Lumens **SS** = 13,000 Lumens **HO** = 19,000 Lumens **VHO** - 22,000 Lumens **Custom Lumen Package#**	**50** = 5,000K **40** = 4,000K **30** = 3,000K	**UE** - Universal Voltage (120 - 277V) **HV** - High Voltage 347 - 480V	**WHT** - White **BRZ** - Bronze **BLK** - Black	**HL#** - Hazardous Location **DFL** - Diffuse Lens

FOOTNOTES:
1 - AC distribution utilizes a reflector which alters the look from a standard SC distribution.
2 - Not available on SLW.
3 - Custom lumen and wattage packages available consult factory. Values are within industry standard tolerances but not DLC listed.

Accessory Ordering Information (Accessories are field installed)

Description	Order Number
Retrofit Panels - EC / ECTA / SCF to CRUS, for 16" Deck Panel	505946
Retrofit Panels - ECTA / SCF to CRUS, for 12" Deck Panel	530281
Retrofit 2x2 Cover Panel Blank (no holes)	357282

Description	Order Number
Retrofit RIC Cover Panel Blank (no holes)	354702
Kit - Hole Plugs and Silicone (enough for 25 retrofits)*	1320540

1 - Consists of (25) 7/8" hole plugs, (100) 5/16" hole plugs and (1) tube of RTV

PERFORMANCE

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DELIVERED LUMENS

Lumen Package	Distribution	3000K CCT			4000K CCT			5000K CCT			Wattage
		Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
VHO	SC	21301	140	B4-U0-G2	21835	144	B4-U0-G2	22697	150	B4-U0-G2	152
	AC	17355	114	B3-U0-G3	17799	117	B3-U0-G3	18502	122	B3-U0-G3	
HO	SC	17899	143	B3-U0-G1	18346	146	B3-U0-G2	19071	152	B4-U0-G2	125
	AC	14582	116	B3-U0-G2	14955	119	B3-U0-G2	15546	124	B3-U0-G2	
SS	SC	13113	141	B3-U0-G1	13449	144	B3-U0-G1	13980	150	B3-U0-G1	93
	AC	11468	123	B3-U0-G2	11761	126	B3-U0-G2	12226	131	B3-U0-G2	
LW	SC	10457	144	B3-U0-G1	10724	148	B3-U0-G1	11148	154	B3-U0-G1	73
	AC	9145	126	B2-U0-G2	9379	129	B2-U0-G2	9749	134	B2-U0-G2	
VLW	SC	8783	146	B3-U0-G1	9008	149	B3-U0-G1	9364	155	B3-U0-G1	60
	AC	7681	127	B2-U0-G1	7878	131	B2-U0-G1	8189	136	B2-U0-G1	
SLW	SC	5685	146	B2-U0-G1	5728	150	B2-U0-G1	5954	156	B2-U0-G1	38
	AC	4884	128	B1-U0-G1	5009	131	B1-U0-G1	5207	136	B1-U0-G1	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA (AMPS)

Lumen Package	Wattage	120V	208V	240V	277V	347V	480V
VHO	152	1.27	0.73	0.64	0.55	0.44	0.32
HO	124	1.03	0.6	0.52	0.45	0.36	0.26
SS	92	0.77	0.44	0.38	0.33	0.27	0.19
LW	72	0.6	0.35	0.3	0.26	0.21	0.15
VLW	60	0.5	0.29	0.25	0.22	0.17	0.13
SLW	38	0.32	0.18	0.16	0.14	0.11	0.08

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

OPERATING TEMPERATURE

LUMEN PACKAGE	MOUNTING	Min
VHO	Metal/Wood Canopy	40 C
HO	Metal/Wood Canopy	40 C
SS	Metal/Wood Canopy	55 C

Recommended Lumen Maintenance[2] CRUS VHO

Ambient Temp C	Initial [1]	25k hr [3]	50k hr [3]	75k hr [3]	100k hr [3]
0 C	102%	97%	92%	88%	84%
10 C	102%	97%	92%	88%	84%
25 C	102%	97%	92%	88%	84%
25 C	102%	97%	92%	88%	84%
30 C	102%	97%	92%	88%	84%
40 C	101%	95%	90%	85%	80%
50 C	101%	94%	89%	83%	78%

Recommended Lumen Maintenance[2] CRUS SS

Ambient Temp C	Initial [1]	25k hr [3]	50k hr [3]	75k hr [3]	100k hr [3]
0 C	102%	97%	92%	88%	84%
10 C	102%	97%	92%	88%	84%
25 C	102%	97%	92%	88%	84%
25 C	102%	97%	92%	88%	84%
30 C	102%	97%	92%	88%	84%
40 C	102%	97%	92%	88%	84%
50 C	101%	95%	91%	86%	82%

FOOTNOTES:
1 - Lumen maintenance values at 25˚C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED).
3 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED).

Type:

Scottsdale® Legacy LED Canopy Luminaire (CRUS)

PHOTOMETRICS

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Luminaire photometry has been conducted by an accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See http://www.lsi-industries.com/products/led-lighting-solutions.aspx for detailed photometric data.

CRUS-SC-SS-50

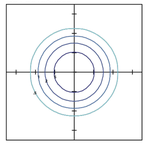
LUMINAIRE DATA

Type 5 Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	13,980
Watts	93
Efficacy	150
IES Type	Type VS - Very Short
BUG Rating	B3-U0-G1

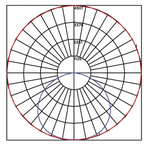
Zonal Lumen Summary

Zone	Lumens	%Laminaire
Low (0-30°)	3654.2	26%
Medium (30-60°)	7541.2	54%
High (60-80°)	2641.4	19%
Very High (80-90°)	143.2	1%
Uplight (90-180°)	0	0%
Total Flux	13980	100%

ISO FOOTCANDLE



POLAR CURVE



15' Mounting Height/15' Grid Spacing

5 FC 2 FC 1 FC .5 FC

CRUS-AC-SS-50

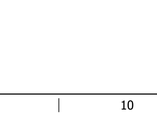
LUMINAIRE DATA

Type 3 Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	12,226
Watts	93
Efficacy	131
IES Type	Type III, Very Short
BUG Rating	B3-U0-G2

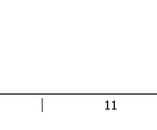
Zonal Lumen Summary

Zone	Lumens	%Laminaire
Low (0-30°)	3240.3	27%
Medium (30-60°)	6245.5	51%
High (60-80°)	2594.6	21%
Very High (80-90°)	146.1	1%
Uplight (90-180°)	0	0%
Total Flux	12227	100%

ISO FOOTCANDLE



POLAR CURVE



15' Mounting Height/15' Grid Spacing

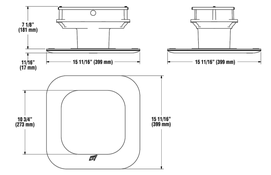
5 FC 2 FC 1 FC .5 FC

Type:

Scottsdale® Legacy LED Canopy Luminaire (CRUS)

PRODUCT DIMENSIONS

Back to Quick Links



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SITE DEVELOPMENT PLAN
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DIVISION: 83
VERSION: 001
DESIGNED BY: DKH
DRAWN BY: CSH
REVIEWED BY: AMG

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
AUTO CANOPY LIGHTING
CUT SHEETS

SHEET NUMBER:
16 OF 18

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

Catalog #: XSPS-S-LED-VHO-NW-DFL Project:

Prepared By: Date: Type:

XSPS

LED Soffit Light



OVERVIEW	
Lumen Package	4000 - 8000
Wattage Range	43 -59
Efficacy Range (LPW)	96 -104
Weight lbs (kg)	7.6 (3.5)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Housing is die-formed aluminum with diffuse acrylic lens providing a water-resistant seal. Enclosure contains factory prewired driver and optical unit containing LEDs.
- Recess mount into an enclosed soffit with screws through the mounting frame. 8" clearance required for ease of installation.
- Finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard color is gloss white.
- Shipping weight: 7.6 lbs in carton.
- Suitable for wet locations.

Optical System

- Symmetric distribution with excellent uniformity and a BUG rating of B2-UO-G1. Diffuse lens is standard to minimizing visibility of LEDs.
- Select high-brightness LEDs.
- Available in 3000K, 4000K and 3000K
- Color temperatures per ANSI C78.377.
- Minimum CRI of 80.

Electrical

- High-performance factory programmable driver features over-voltage, under voltage, short-circuit and over temperature protection with integral surge protection that meets IEEE C62.41.2 and ANSI C82.77. -5 Location Category C Low standards.
- 0-10 volt dimming (10% - 100%) standard.
- 120-347VAC 50/60Hz
- Thermal protector standard on 5000-8000 lumen versions.
- L80 Calculated Life: >100k Hours (See Lumen Maintenance chart)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to 40°C (-40°F to 104°F) for HO and VHO. -40°C to 45°C (-40°F to 113°F) for SS. -40°C to 35°C (-40°F to 95°F) for SHO .
- Power factor: >0.90
- Input power stays constant over life.
- High-efficacy LEDs with integrated circuit board mount to the housing to maximize heat dissipation and promote long life.
- Driver components are fully encased in potting material for moisture resistance. Driver complies with FCC standards.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750
- Suitable For Damp Locations
- Meets Buy American Act requirements.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- IDA compliant with 3000K or lower color temperature.

Type:

XSPS LED Soffit Light

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ORDERING GUIDE

TYPICAL ORDER EXAMPLE: **XSPS S LED SS CW 120 GWT DFL**

Prefix	Distribution	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Lens	Options
XSPS - LED SURF.	S - Symmetric	LED	SS - 4,000 Lumens HO - 5,000 Lumens VHO - 7,000 Lumens SHO - 8,000 Lumens	CW - 3000K 80 CRI NW - 4000K 80 CRI WW - 3000K 90 CRI	120 - 120V 208 - 208V 240 - 240V 277 - 277V 347 - 347V	GWT - Gloss White	DFL - Diffused Acrylic Lens	CMT - Channel Bar Mounting Kit BB - Emergency Battery Pack[1]

1 - Emergency Battery Pack only available on the SS - 4000 lumen version (120, 208, 240 & 277V versions).

PERFORMANCE

DELIVERED LUMENS

Lumen Package	Distribution	Lens Type	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
				Delivered Lumens	Efficacy	Bug Rating	Delivered Lumens	Efficacy	Bug Rating	Delivered Lumens	Efficacy	Bug Rating	
SS	S	DFL	80	3816	123	B2-U0-G1	4022	129	B2-U0-G1	3966	128	B2-U0-G1	31
HO	S	DFL	80	4756	120	B2-U0-G1	5011	127	B2-U0-G1	4941	125	B2-U0-G1	40
VHO	S	DFL	80	5733	118	B2-U0-G1	6041	124	B2-U0-G1	5957	122	B2-U0-G1	49
SHO	S	DFL	80	7559	113	B3-U0-G1	7965	119	B3-U0-G1	7853	118	B3-U0-G1	67

LEDs are frequently updated therefore values are nominal.

Electrical Data (Amps)*

Lumen Package	Wattage	120V	208V	240V	277V	347V
SS	31	0.26	0.15	0.13	0.11	0.09
HO	40	0.33	0.19	0.16	0.14	0.11
VHO	49	0.41	0.23	0.2	0.18	0.14
SHO	67	0.56	0.32	0.28	0.24	0.19

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

RECOMMENDED LUMEN MAINTENANCE

Ambient Temp C	Initial[1]	25K hrs.[1]	50K hrs.[1]	75K hrs.[2]	100K hrs.[2]
25 C	100%	95%	91%	86%	82%

1 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
2 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

Type:

XSPS LED Soffit Light

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PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

For complete specifications and IES files, see website.

XSPS S LED HO NW DFL

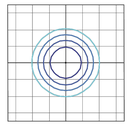
Luminaire Data

Type S Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	5,011
Watts	39.5
Efficacy	127
IES Type	Type VS – Very Short
BUG Rating	B2-U0-G1

Zonal Lumen Summary

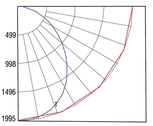
Zone	Lumens	%Luminaire
Low (0-30°)	1536	31%
Medium (30-60°)	2565	51%
High (60-80°)	826	16%
Very High (80-90°)	84	2%
Uplight (90-180°)	0	0%
Total Flux	5011	100%

ISO FOOTCANDLE PLOT



10' Mounting Height/10' Grid Spacing
5 FC 2 FC 1 FC 0.5 FC

POLAR CURVE

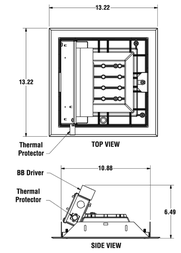


Type:

XSPS LED Soffit Light

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PRODUCT DIMENSIONS



Note:
1. 8" of clearance is required in the soffit for luminaire installation.
2. Emergency Battery pack (BB) only available on 4000 lumen version. Thermal protector only required on 5000, 6000 & 8000 lumen versions. 11" square hole required to install XSPS.

PROJECT NO.:83-4273

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SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

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DIVISION: 83
VERSION: 001
DESIGNED BY: DKH
DRAWN BY: CSH
REVIEWED BY: AMG

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 10/14/2026

SHEET TITLE:
SITE DEVELOPMENT PLAN
BUILDING CANOPY LIGHTING
CUT SHEETS

SHEET NUMBER:
17 OF 18

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013

Catalog #: XMW-3-LED-06-40 Project:

Prepared By: Date: Type:

Mirada Medium Wall Sconce (XWM)

Outdoor Wall Sconce



IK08

OVERVIEW	
Lumen Range	3,000 - 21,000
Wattage Range	23 - 175
Efficacy Range (LPW)	125 - 158
Weight lbs(kg)	30 (13.6)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory-prewired driver and optical unit. Hinged die-cast aluminum wiring access door located underneath.
- Galvanized-steel universal wall mount bracket comes standard with hinging mechanism to easily access the junction box wire connections without removing the luminaire.
- Optional pole-mounting bracket (XPMA) permits mounting to standard poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP65 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in Types 2, 3, and Forward Throw (FT) distributions.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377; Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours
- Total harmonic distortion: <20%
- 3L to 12L operating temperature: -40°C to +50°C (-40°F to +122°F).
- 15L operating temperature: -40°C to +45°C (-40°F to +113°F).
- 18L operating temperature: -40°C to +40°C (-40°F to +104°F).
- 21L operating temperature: -40°C to +35°C (-40°F to + 95°F).
- Power factor: >.90
- Input power stays constant over life.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed via hinged door.
- Optional integral emergency battery pack provides 90-minutes of constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance. The fixture delivers 1500 lumens during emergency mode.

Controls

- Integral passive infrared Bluetooth™ motion and photocell sensor options. Fixtures operate independently and can be commissioned via an iOS or Android configuration app. Updates and modifications to the control strategy are easily implemented via an intuitive app.
- LSI's AirLink™ Blue lighting control system is a simple feature rich wireless Bluetooth mesh network. The integrated fixture sensor module provides wireless control of grouped fixtures based on motion sensors, daylight or a fully customizable schedule.

Installation

- Universal wall mounting plate easily mounts directly to 4" octagonal or square junction box.
- 2 fasteners secure the hinged door underneath the housing and provide quick & easy access to the electrical compartment for installing/servicing.
- Optional terminal block accepts up to 12 ga wire.

Warranty

- LSI LED Fixtures carry a 5-year warranty.
- 1 Year warranty on Battery Back-up option.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K or lower color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations.
- IP65 rated luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications when pole mounted (using optional XPMA bracket) or wall mounted.
- IK08 rated luminaire per IEC 62262 mechanical impact code
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL, to confirm which versions are qualified.

Type:

Mirada Wall Sconce (XWM)

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **XWM 2 LED 03L 30 UE BRZ ALSC**

Family	Distribution	LED Technology	Lumen Package	Color Temperature	Voltage
XWM - Mirada Medium Wall Sconce	2 - Type 2 3 - Type 3 FT - Type 4 Forward Throw	LED	3L - 3,000 lms 4L - 4,000 lms 6L - 6,000 lms 10L - 10,000 lms 15L - 15,000 lms 18L - 18,000 lms 21L - 21,000 lms Custom Lumen Package*	30 - 3000K 40 - 4000K 50 - 5000K AMB - Phosphor Converted Amber*	UE - Universal Voltage (120-277V) HV - High Voltage (347-480V)

Finish	Controls (Choose One)	Options
BLK - Black BRZ - Dark Bronze GPM - Gun Metal Grey GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHI - White	Wireless Controls: ACSC - AirLink Synapse Control System ACSCBS - AirLink Synapse Control System with (1-) 3ft Motion Sensor ACSCS - AirLink Blue Wireless Motion & Photo Sensor Controller (8-16' mounting height) ACSCSS - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height) Standalone Controls: DIM - 0-10v Dimming leads extended to housing exterior IMSBTL - Integral Bluetooth® Motion and Photocell Sensor max 8-20' mounting height.* IMSBTH - Integral Bluetooth Motion and Photocell Sensor max 25-40' mounting height.* Button Type Photocells PCCD - 120V PCDM-277 - 208-277V PCHV - 347V	BB - Battery Back-up (0°C)* CWBB - Cold Weather Battery Backup (-20°C)* DPMB - Pole Mounting Bracket SPI - Shirt Surge Protection TB - Terminal Block

ACCESSORY ORDERING INFORMATION†

Description	Order Number	Description	Order Number
XWM Surface Wiring Box	35XMSCLR	FASCP - Single Fusing	FASCP*
18" Linear Bird Spike Kit (2" Recommended per Luminaire)	75SS2	3FA - Double Fusing	3FASCP
FASCP - Single Fusing	FASCP	3FA - Double Fusing (240V)	3FASCP*
FA2CP - Single Fusing	FA2CP	3FA - Double Fusing (480V)	3FASCP*

1. Only available in UL Lumen Package. Consult factory for lead time and availability.
2. Not available in HV.
3. Consult Factory for Size Layout.
4. IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
5. Fusing must be located in a hand hole for pole or in the junction box.
6. Custom lumen and wattage packages available consult factory. Values are within industry standard tolerances but not DLC listed.
7. Accessories are shipped separately and field installed.

Type:

Mirada Wall Sconce (XWM)

PERFORMANCE

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DELIVERED LUMENS*

Lumen Package	Distribution	CRI	3000K Delivered Lumens	3000K Efficacy	3000K BUG Rating	4000K Delivered Lumens	4000K Efficacy	4000K BUG Rating	5000K Delivered Lumens	5000K Efficacy	5000K BUG Rating	Wattage
03L	2	70	3178	139	B1-U0-G2	3366	146	B1-U0-G2	3355	145	B1-U0-G2	23
	3	70	3224	140	B1-U0-G2	3416	148	B1-U0-G2	3350	145	B1-U0-G2	
	FT	70	3160	137	B1-U0-G2	3349	145	B1-U0-G2	3264	142	B1-U0-G2	
04L	2	70	4230	139	B1-U0-G2	4482	147	B1-U0-G2	4468	146	B1-U0-G2	30
	3	70	4292	141	B1-U0-G2	4547	150	B1-U0-G2	4473	147	B1-U0-G2	
	FT	70	4206	138	B1-U0-G2	4458	147	B1-U0-G2	4385	144	B1-U0-G2	
06L	2	70	6326	154	B1-U0-G2	6704	162	B1-U0-G2	6595	160	B1-U0-G2	47
	3	70	6417	156	B1-U0-G2	6800	164	B1-U0-G2	6689	162	B1-U0-G2	
	FT	70	6295	154	B2-U0-G2	6666	162	B2-U0-G2	6557	159	B2-U0-G2	
08L	2	70	8186	128	B2-U0-G2	8654	135	B2-U0-G2	8513	133	B2-U0-G2	64
	3	70	8283	129	B2-U0-G2	8778	137	B2-U0-G2	8635	134	B2-U0-G2	
	FT	70	8133	126	B2-U0-G2	8605	134	B2-U0-G2	8465	132	B2-U0-G2	
12L	2	70	11942	146	B1-U0-G2	12758	157	B1-U0-G2	12727	156	B1-U0-G2	82
	3	70	11834	145	B2-U0-G2	12707	156	B2-U0-G2	12553	153	B2-U0-G2	
	FT	70	11737	143	B2-U0-G2	12586	149	B2-U0-G2	12767	156	B2-U0-G2	
15L	2	70	14662	140	B3-U0-G3	15623	145	B3-U0-G3	15624	152	B3-U0-G3	105
	3	70	14600	139	B2-U0-G2	15562	145	B2-U0-G3	15860	151	B2-U0-G3	
	FT	70	14502	139	B2-U0-G3	15457	144	B2-U0-G3	15750	150	B2-U0-G3	
18L	2	70	17615	134	B3-U0-G3	18669	139	B3-U0-G3	18910	145	B3-U0-G3	130
	3	70	17458	134	B3-U0-G3	18506	139	B3-U0-G3	18940	146	B3-U0-G3	
	FT	70	17319	133	B3-U0-G3	17820	138	B3-U0-G3	18305	144	B3-U0-G3	
21L	2	70	20388	127	B3-U0-G3	21661	132	B3-U0-G3	22154	138	B4-U0-G3	161
	3	70	20575	126	B3-U0-G3	21155	131	B3-U0-G3	22329	139	B3-U0-G3	
	FT	70	20075	125	B3-U0-G3	20693	129	B3-U0-G3	21955	136	B3-U0-G3	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*

Lumen Package	120V	208V	240V	277V	347V	480V
03L	0.19	0.11	0.10	0.08	0.07	0.05
04L	0.25	0.15	0.13	0.11	0.09	0.06
06L	0.39	0.23	0.20	0.17	0.14	0.10
08L	0.54	0.31	0.27	0.23	0.19	0.13
12L	0.68	0.39	0.34	0.30	0.24	0.17
15L	0.87	0.50	0.44	0.38	0.30	0.22
18L	1.08	0.63	0.54	0.47	0.37	0.27
21L	1.34	0.77	0.67	0.58	0.46	0.34

*Electrical data at 25C (77°). Actual wattage may differ by +/-10%.

DELIVERED LUMENS*

Lumen Package	Distribution	Amber Delivered Lumens	Amber Efficacy	Amber BUG Rating	Wattage
6L	2	3525	76	B1-U0-G1	45.5
	3	3385	78	B1-U0-G1	
	FT	3343	77	B1-U0-G1	

RECOMMENDED LUMEN MAINTENANCE (3L-8L)†

Ambient Temperature C	Initial ‡	25K hrs.†	50K hrs.†	75K hrs.†	100K hrs.†
0 C - 50 C	100%	98%	95%	93%	90%

RECOMMENDED LUMEN MAINTENANCE (12L-21L)†

Ambient Temperature C	Initial ‡	25K hrs.†	50K hrs.†	75K hrs.†	100K hrs.†
0 - 35 C	99%	97%	95%	93%	91%

1 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
3 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing times the IESNA LM-80-08 total test duration for the device under testing

Type:

Mirada Wall Sconce (XWM)

PHOTOMETRICS

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All published luminaire photometric testing performed to IESNA LM-79 standards. ISO footcandle plots below demonstrate the Mirada Wall Sconce (XWM) light patterns only. Not for total fixture output. For complete specifications and IES files, see website.

XWM-2-LED-6L-40

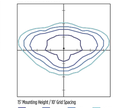
LUMINAIRE DATA

Type I Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	6,320
Watts	46.7
Efficacy	135
IES Type	Type III - Medium
BUG Rating	B1-U0-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30°)	1072	17.4%
Medium (30-90°)	3353	54.8%
High (90-180°)	1647.4	26.7%
Very High (90-180°)	69.2	1.1%
Uplight (90-180°)	0.0	0.0%
Total Flux	6141.7	100%

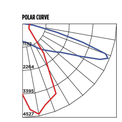
ISO FOOTCANDLE PLOT



15' Mounting Height / 10' Grid Spacing

1.0C 2.0C 1.1C 65.0C

POLAR CURVE



XWM-3-LED-6L-40

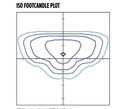
LUMINAIRE DATA

Type I Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	6,320
Watts	44.7
Efficacy	141
IES Type	Type III - Medium
BUG Rating	B1-U0-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30°)	1074	17%
Medium (30-90°)	3836.5	59.6%
High (90-180°)	1569.8	24.4%
Very High (90-180°)	90.7	1.5%
Uplight (90-180°)	0.0	0.0%
Total Flux	6151.2	100%

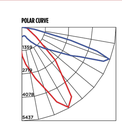
ISO FOOTCANDLE PLOT



15' Mounting Height / 10' Grid Spacing

1.0C 2.0C 1.1C 63.0C

POLAR CURVE



XWM-FT-LED-6L-40

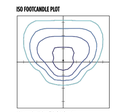
LUMINAIRE DATA

Type IV Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	6,320
Watts	44.7
Efficacy	176
IES Type	Type IV - Short
BUG Rating	B1-U0-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30°)	1753	27.7%
Medium (30-90°)	2564.4	40.7%
High (90-180°)	2122.2	41.7%
Very High (90-180°)	170.8	2.8%
Uplight (90-180°)	0.0	0.0%
Total Flux	6311.4	100.0%

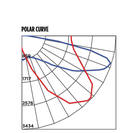
ISO FOOTCANDLE PLOT



15' Mounting Height / 10' Grid Spacing

1.0C 2.0C 1.1C 65.0C

POLAR CURVE

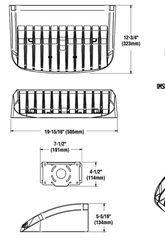


Type:

Mirada Wall Sconce (XWM)

PRODUCT DIMENSIONS

Back to Quick Links



Luminaire Shown with IMSBT



Surface Wiring Box



Wet location rated surface wiring box features 1/2" and 3/4" knockouts for surface conduit

Luminaire Shown with PCI



CONTROLS

AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture.

Click here to learn more about AirLink.

Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Click here to learn more about IMSBT.

AirLink Blue

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

Click here to learn more about AirLink Blue.

PROJECT NO.:83-4273

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SITE DEVELOPMENT PLAN
QuikTrip No. 4273
WOLFENSBERGER ROAD & CAPRICE DRIVE
CASTLE ROCK, DOUGLAS COUNTY, COLORADO 80109

QT

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SITE DEVELOPMENT PLAN
BUILDING WALL LIGHTING
CUT SHEETS

SHEET NUMBER:
18 OF 18

SITE DEVELOPMENT PLAN
LOT 1A, WILLIAM'S SUBDIVISION AND LOT 1A, VILLAGE NORTH AMENDED
TOWN OF CASTLE ROCK PROJECT NO. SDP25-0013