ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL

ARCHITECTURAL REVIEW BOARD SUBMISSION
COUNTY OF ALBEMARLE, VIRGINIA
12/20/2024

SITE DATA:

TAX MAP PARCEL AND OWNER INFO: TMP 77-11A 07700-00-00-011A0
ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL AUTHORITY
DB. 281, PG. 414
AREA (GIS): 8.25 ACRES

TMP 76M1-19 076M1-00-00-01900
BLUE RIDGE JUVENILE DETENTION COMMISSION
DB. 1825, PG. 37
AREA (GIS): 7.72 ACRES

ZONING: R1 RESIDENTIAL

SOURCE TOPOGRAPHY: TIMMONS GROUP
28 IMPERIAL DRIVE
STAUNTON, VA 24401
(540) 885 - 0920
DATED: DECEMBER 20 & 21, 2023; January 01, 02, 04-05, 08, 10-11, 15, & 17, 2024

FLOOD: MAP NO. 51003C0288D, (PANEL 288 OF 575)

DATUM: HORIZONTAL: NAD83 VIRGINIA STATE GRID SOUTH ZONE

PRESENT USE: ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL

PROPOSED USE: ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL

SETBACKS: FRONT: 5' FRONT YARD SETBACK FROM PROPERTY LINE
SIDE/REAR: 5' SIDE YARD SETBACK AND 20' REAR YARD SETBACK FROM PROPERTY LINE

ALLOWABLE BUILDING HEIGHT: 35 FEET

EXISTING BUILDING HEIGHT: 78.33 FEET (TO TOP OF EXISTING TOWER ON THE WEST OF THE SITE)

PROPOSED BUILDING HEIGHT: 31.66 FEET (TO TOP OF ADDITION)

LIMITS OF DISTURBANCE: 1.43 ACRES

EXISTING IMPERVIOUS AREA: 1.02 ACRES

PROPOSED IMPERVIOUS AREA: 1.26 ACRES

PARKING TABULATIONS:

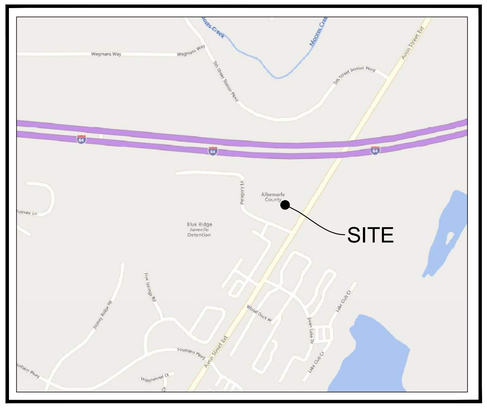
EXISTING:
- MAGISTRATE LOT: 14
- PUBLIC LOT: 54
- TOTAL EXISTING: 68

PROPOSED:
- MAGISTRATE LOT: 6
- PUBLIC LOT: 57
- TOTAL PROPOSED: 63

TOTAL LOST: 5
*REFER TO LETTER FROM BUILDING USER STATING THE PROPOSED PARKING SPACE COUNT IS ADEQUATE FOR THE JAIL'S OPERATIONS.

WATER SUPPLY: PRIVATE
SANITARY SEWER: PRIVATE
WATERSHED: RIVANNA RIVER & MOORES CREEK*
*NEITHER WATERSHED IS A PUBLIC WATER SUPPLY RESERVOIR WATERSHED.

NOTES:
1. THE SUBJECT PROPERTY IS NOT LOCATED WITHIN AN AGRICULTURAL-FORESTAL DISTRICT.



VICINITY MAP
SCALE: 1"=500'

TIMMONS GROUP CIVIL ENGINEER
1001 BOULDERS PARKWAY, SUITE 300
RICHMOND, VIRGINIA 23225
CONTACT PERSON: THAD RICH
PHONE: 804.200.6500
EMAIL: Thad.Rich@timmons.com

MOSELEY ARCHITECTS ARCHITECT
3200 NORFOLK STREET
RICHMOND, VIRGINIA 23230
CONTACT PERSON: MICHAEL GIBSON
PHONE: 804.794.7555
EMAIL: mgibson@moseleyarchitects.com

ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL AUTHORITY OWNER
ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL AUTHORITY
160 PEREGORY LANE, CHARLOTTESVILLE, VA 22902
Voice: (434) 977-6981
CONTACT PERSON:MARTIN KUMER
PHONE: 434.962.3015
EMAIL: KUMERM@ACRJ.ORG

SITE NARRATIVE

GENERAL

THE EXISTING ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL FACILITY IS LOCATED AT 160 PEREGORY LANE IN THE COUNTY OF ALBEMARLE, VIRGINIA. PUBLIC ACCESS TO THE JAIL COMES OFF OF PEREGORY LANE. SECURE ACCESS TO THE FACILITY'S SALLYPORT IS OFF OF AVON STREET (STATE ROUTE 742). THERE IS ANOTHER ENTRANCE ADJACENT TO THE SECURE SALLYPORT ENTRANCE TO THE MAGISTRATE LOT OFF OF AVON STREET. ADJACENT PROPERTIES INCLUDE BLUERIDGE JUVENILE DETENTION CENTER AND THE NATIONAL GUARD ARMORY TO THE SOUTH AND WEST, RESIDENTIAL DEVELOPMENTS TO THE EAST ACROSS AVON STREET AND INTERSTATE 64 TO THE NORTH. THE SITE IS CURRENTLY ZONED R-1 RESIDENTIAL, AND IMPROVEMENTS WILL NOT REQUIRE REZONING OR SPECIAL USE PERMITS. THE SETBACKS HAVE BEEN CONFIRMED BY THE ALBEMARLE COUNTY COMMUNITY DEVELOPMENT OFFICE TO BE 5' FRONT YARD, 5' SIDE YARD AND 20' REAR YARD SETBACKS.

THE PROJECT REPLACES A PORTION OF THE EXISTING JAIL AS WELL AS INTERIOR RENOVATION OF THE EXISTING JAIL TO REMAIN. THE PROJECT IS INTENDED TO BRING THE JAIL UP TO THE CURRENT JAIL STANDARDS.

ROADS, DRIVEWAYS, PARKING AREAS, AND WALKS

PRIMARY VISITOR AND STAFF ACCESS TO THE PROPOSED JAIL FACILITY SITE WILL BE VIA THE MAIN
ENTRANCE ROAD FROM PEREGORY LANE, A SECONDARY ENTRANCE IS PROVIDED AT THE MAGISTRATE PARKING AREA. THE SECURE ENTRANCE WILL REMAIN SECURE AND PRIVATE. THERE IS ALSO A PROPOSED GRAVEL DRIVEWAY FROM AVON ST TO THE MECHANICAL AREA FOR MAINTENANCE.

BASED ON THE CURRENT ZONING ORDINANCE, THERE IS NO CLEAR REQUIRED PARKING COUNT. DURING A PREAPPLICATION MEETING WITH ALBEMARLE COUNTY STAFF ON 8/19/24, PLANNING STAFF STATED THAT PARKING CAN BE DETERMINED BASED ON THE NEEDS OF THE JAIL.

THERE ARE 56 PROPOSED SPACES IN THE VISITOR/STAFF PARKING LOT AND 6 SPACES IN THE MAGISTRATE LOT.

EMPLOYEES AND THE GENERAL PUBLIC WILL ENTER THE FACILITY THROUGH THE MAIN ENTRANCE AT THE EAST END OF THE BUILDING. PARKING IMPROVEMENTS WILL BE MADE TO MAINTAIN EXISTING PARKING COUNTS WHILE INCORPORATING THE EXPANDED JAIL FOOTPRINT.

ROADWAY PAVEMENTS WARE DESIGNED TO ACCOMMODATE THE ANTICIPATED TRAFFIC GIVEN THE AVAILABLE SOILS INFORMATION PROVIDED IN THE GEOTECHNICAL REPORT.

GRADING, DRAINAGE, AND STORMWATER CONVEYANCE SYSTEMS

THE SITE WORK ASSOCIATED WITH THIS PROJECT GENERALLY CONSISTS OF PARKING IMPROVEMENTS IN AND AROUND THE PROPOSED EXPANSION. THIS EXPANSION SITS AT THE HIGHEST POINT OF THE SITE WITH GRADE FALL STEEPLY AND SHARPLY ACROSS THE SITE WESTWARDLY.

STORMWATER IMPROVEMENTS WILL TIE INTO AN EXISTING SYSTEM DISCHARGING TO THE NORTH TOWARDS I-64. THERE IS MINIMAL LAND COVER CHANGE FROM PRE TO POST SO A LARGE STORMWATER FEATURE IS UNNECESSARY.

ANALYSIS INDICATES THAT THE CURRENT SYSTEM IS ADEQUATE TO HANDLE THE IMPROVEMENTS ASSOCIATED WITH THIS PROJECT.

THE DESIGN RAINFALL EVENT FOR THE STORM SEWER IS THE 10-YEAR STORM FOR SIZING CULVERTS AND DRAINAGE STRUCTURES. THE 2-YEAR STORM IS USED TO ANALYZE VELOCITIES AT THE POINTS OF ANALYSIS.

WATER RESOURCES

STORMWATER MANAGEMENT WILL BE REQUIRED TO ADHERE TO WATER QUALITY AND QUANTITY REQUIREMENTS SET FORTH IN CHAPTER 870 PART IIB OF THE VIRGINIA STATE LAW (9VAC25-870-66).

WATER QUANTITY IS MET THROUGH PROVING CHANNEL AND FLOOD PROTECTION. CHANNEL PROTECTION IS MET THROUGH PROVING NON-EROSIVE VELOCITIES EXITING THE SITE. FLOOD PROTECTION IS ACHIEVED THROUGH PROVING ADEQUATE STORAGE IN PIPES AND DITCHES FOR A 10-YEAR STORM.

WATER QUALITY IS ACHIEVED THROUGH PURCHASING 0.33 LBS OF NUTRIENT CREDITS. TIMMONS GROUP HAS RECEIVED A QUOTE FOR 0.33 LBS FROM RIVANNA RIVER NUTRIENT BANK FOR $4,750.

ENVIRONMENTAL CONSIDERATIONS

THERE ARE NO WETLANDS ON SITE.

WATER SUPPLY

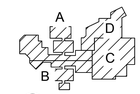
WATER FOR THE ADDITION WILL BE SUPPLIED FROM THE EXISTING BUILDING. TIMMONS GROUP WILL ANALYZE THE EXISTING PUBLIC WATER SYSTEM TO PROVE ADEQUATE PRESSURE WITH ANY ADDITIONAL DEMAND.

SANITARY SEWAGE DISPOSAL

THERE ARE NEW SANITARY EFFLUENTS LEAVING THE ADDITION. THEY ARE ROUTED TO AN EXISTING SANITARY LINE TO THE NORTH OF THE JAIL VIA A NEW 6" & 8" PVC LINE.

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3200 NORFOLK STREET, RICHMOND, VA 23230
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MOSELEYARCHITECTS.COM

TIMMONS GROUP
1001 Boulders Parkway, Suite 300, Richmond, VA, 23225
Phone: 804.200.6592



ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION
160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 123456
DATE: DEC 20, 2024

REVISIONS	
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD
COVER SHEET

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SITE LAYOUT KEYNOTES

1. 6" TALL CONCRETE CURB (CG-2)
2. GENERATOR AREA
3. VDOT STANDARD CG-12 RAMP (X DESIGNATES TYPE 'A', 'B', OR 'C' RAMP)
4x. SITE SIGNAGE (REFER TO ARCH)
5. SITE WALL (REFER TO STRUC)
6. 10'-8" ACCENT WALL (REFER TO STRUC)
7. FLUSH CURB
8. LOW VOLUME COMMERCIAL ENTRANCE

SITE HATCHING LEGEND

- LIGHT DUTY ASHPALT
- HEAVY DUTY ASHPALT
- CONCRETE SIDEWALK
- GRASS PAVERS
- HEAVY DUTY CONCRETE

NOTE: VISIBILITY OF ALL MECHANICAL EQUIPMENT FROM THE ENTRANCE CORRIDOR SHALL BE ELIMINATED."

INTERSTATE HIGHWAY 64
(VAR. WIDTH PUBLIC R/W)
PER VDOT PROJ. 0064-002-102

INTERSTATE HIGHWAY 64
VAR. WIDTH PUBLIC R/W
PER VDOT PROJ. 0064-002-102

MH'S
TOP=533.00'
INV. IN=516.33' ±10" LINED PIPE (W)
CENTER=516.28'
INV. OUT=516.25' ±10" LINED PIPE (E)

STATE ROUTE 742 - AVON STREET EXT
VAR. WIDTH PUBLIC R/W
PER VDOT PROJ. 0742-002-115

ALBEMARLE REGIONAL JAIL ADDITION
2-STORY
±22,488 GSF
FFE = 535.96'

ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL
MULTI-STORY MASONRY BUILDING
160 PEREGORY LANE

PEREGORY LANE
60' EASEMENT OF RIGHT OF WAY
DB. 502, PG. 269

TMP 77-11B
THE COMMONWEALTH OF VIRGINIA
DB. 532, PG. 194
DB. 194, PG. 20 (PLAT)
DB. 502, PG. 274 (PLAT)
ZONED: R1 RESIDENTIAL

TMP 77E1-1B
THE COMMONWEALTH OF VIRGINIA (STATE BOARD FOR COMMUNITY COLLEGES)
DB. 481, PG. 139
DB. 458, PG. 141 (PLAT)
ZONED: R1 RESIDENTIAL

ACSA WATERLINE CONVEYANCE OF UTILITIES FROM CITY OF CHARLOTTESVILLE TO ACSA (EASEMENT DELINEATIONS NOT SPECIFIED OR DEFINED)
DB. 502, PG. 269
DB. 579, PG. 347

MASONRY SIGN: NATIONAL GUARD ARMORY; ACRJ & BLUE RIDGE JUVENILE DETENTION (LIGHTS NONFUNCTIONAL)

LOW BED WALL

TBM: SPIKE SET
ELEV.= 520.97'

TBM: SPIKE SET
ELEV.= 541.11'

2'X3' STONE

5' SIDE YARD SETBACK

5' FRONT YARD SETBACK

R25'

346.41'

SCALE 1"=20'
0 20' 40'

MOSELEY ARCHITECTS
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MOSELEYARCHITECTS.COM

TIMMONS GROUP
1001 Boulders Parkway, Suite 300, Richmond, VA, 23225
Phone: 804.200.6592

KEY PLAN

ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 123456
DATE: DEC 20, 2024

REVISIONS	
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD

SITE PLAN

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ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO. 123456	
DATE:	DEC 20, 2024
DATE	REVISION/DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD

GRADING PLAN

3 OF 16

KEY PLAN

MOSELEY ARCHITECTS

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Phone: 804.200.6592

NAD 83

SCALE 1"=20'

0 20' 40'

STATE ROUTE 742 - AVON STREET EXT

VAR. WIDTH PUBLIC R/W
PER VDOT PROJ. 0742-002-115

INTERSTATE HIGHWAY 64
(VAR. WIDTH PUBLIC R/W)
PER VDOT PROJ. 0064-002-102

ALBEMARLE REGIONAL JAIL ADDITION
2-STORY
±22,488 GSF
FFE = 535.96'

ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL
MULTI-STORY MASONRY BUILDING
160 PEREGORY LANE

PEREGORY LANE
60' EASEMENT FOR RIGHT OF WAY
DB. 502, PG. 269

TMP 77-11B
THE COMMONWEALTH OF VIRGINIA
VACANT
DB. 502, PG. 194
DB. 194, PG. 20 (PLAT)
DB. 502, PG. 234 (PLAT)
ZONED: R1 RESIDENTIAL

TMP 77C-1B
THE COMMONWEALTH OF VIRGINIA (STATE BOARD FOR COMMUNITY COLLEGES)
DB. 458, PG. 139
DB. 458, PG. 141 (PLAT)
ZONED: R1 RESIDENTIAL

DAYLIGHT TO DITCH

MAINTAIN STORM PIPE LINE UNDERGROUND IF NECESSARY

TBM, SPIKE SET
ELEV = 503.97'

TBM, SPIKE SET
ELEV = 541.11'

INV. OUT=532.26' 15" RCP
FLARED END

INV. OUT=538.34' 15" RCP
FLARED END

INV. OUT=484.89' 15" RCP
CLOGGED W/ SEDIMENT & OVERGROWTH IN PONDING AREA.
CONNECTION UNCLEAR PER APPARENT PIPE DIRECTION.

INV. OUT=487.66' 15" RCP

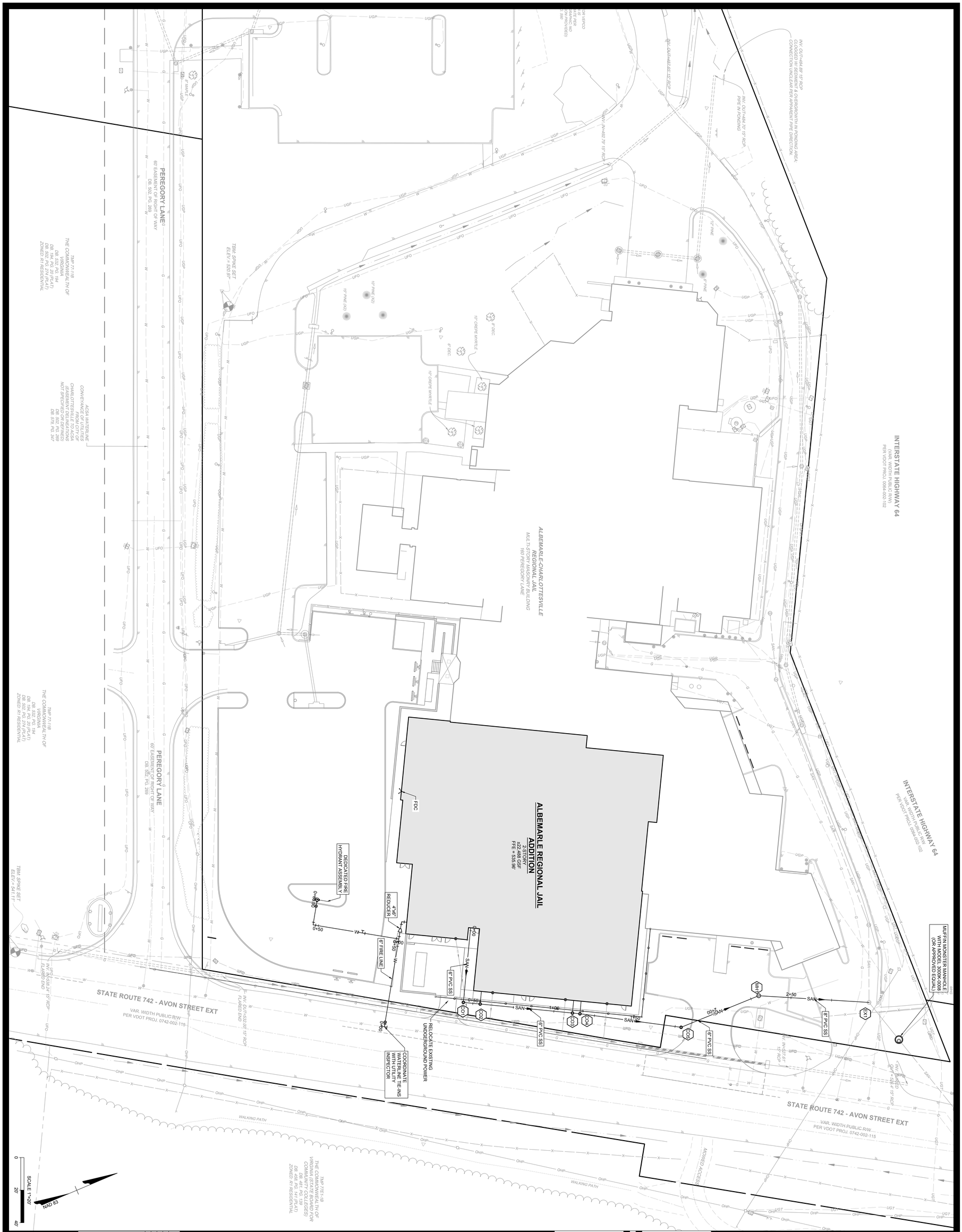
ACSA WATERLINE
CONVEYANCE OF UTILITIES
FROM CITY OF CHARLOTTESVILLE TO ACSA
(EASEMENT DELINEATIONS NOT SPECIFIED ON THIS WEB)
DB. 502, PG. 269
DB. 579, PG. 347

STORM PIPE TABLE

PIPE #	DIA	FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DESCRIPTION
1-EX1	15"	1 - EX1	529.24	527.58	3.77%	44.09 LF	15" HDPE
2-EX2	15"	2 - EX2	527.63	525.41	6.17%	35.93 LF	15" HDPE
3	12"	12 - 13	534.28	533.86	1.50%	28.24 LF	12 inch RCP
4	15"	14 - 15	531.77	528.62	4.01%	78.89 LF	15 inch RCP

STORM STRUCTURE TABLE

STRUCTURE #	TOP	STRUCTURE HEIGHT	DESCRIPTION
1	533.46	4.22'	DI-3C 6 ft Throat
2	533.12	5.55'	DI-3B 6 ft Throat
12	535.53	529.39'	EW-1 for 12" Pipe
13	535.11	528.98'	EW-1 for 12" Pipe
14	533.30	528.49'	EW-1 for 15" Pipe
15	530.14	524.97'	EW-1 for 15" Pipe



ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 62567	
DATE: 12/20/2024	
REVISIONS	
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD

UTILITY PLAN

KEY PLAN

TIMMONS GROUP
1001 Boulders Parkway, Suite 300, Richmond, VA, 23225
Phone: 804.200.6592

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

PLANT KEY	
CODE	BOTANICAL NAME
TREES	
BET DUR	BETULA NIGRA 'DURAHEAT'
QUE PHE	QUERCUS PHELLOS
ULM JEF	ULMUS AMERICANA 'JEFFERSON'
DECIDUOUS SHRUBS	
HAM VIR	HAMAMELIS VIRGINIANA
ILE RED	ILEX VERTICILLATA 'RED SPRITE'
RHU TYP	RHUS TYPHINA
EVERGREEN SHRUBS	
ILE INK	ILEX GLABRA 'COMPACTA'
ILE GEM	ILEX GLABRA 'GEM BOX'
GROUNDCOVER	
RHU GRO	RHUS AROMATICA 'GRO-LOW'
ORNAMENTAL GRASSES	
PAN SHD	PANICUM VIRGATUM 'SHENANDOAH'

NOTE: ALL SITE PLANTINGS OF TREES AND SHRUBS SHALL BE ALLOWED TO REACH, AND BE MAINTAINED AT, MATURE HEIGHT; THE TOPPING OF TREES IS PROHIBITED. SHRUBS AND TREES SHALL BE PRUNED MINIMALLY AND ONLY TO SUPPORT THE OVERALL HEALTH OF THE PLANT.

NOTE:
ALL LANDSCAPING SHALL BE INSTALLED BY THE FIRST PLANTING SEASON FOLLOWING THE ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY WITHIN THE DEVELOPMENT OR A PHASE THEREOF.

NOTE:
ALL LANDSCAPING AND SCREENING SHALL BE MAINTAINED IN A HEALTHY CONDITION BY THE CURRENT OWNER OR A PROPERTY OWNER'S ASSOCIATION AND REPLACED WHEN NECESSARY. REPLACEMENT MATERIAL SHALL COMPLY WITH THE APPROVED LANDSCAPE PLAN.

LANDSCAPE MATERIALS KEY

SYMBOL	CODE	DESCRIPTION
01 GENERAL		
	01-01	WOOD MULCH DOUBLE SHREDDED BLACK MULCH
SYMBOL	CODE	DESCRIPTION
ROCK		
	K-101	STONE MULCH #78
	K-102	STONE MULCH 4" - 6"
	K-103	LANDSCAPE BOULDER

INTERSTATE HIGHWAY 64
(VAR. WIDTH PUBLIC R/W)
PER VDOT PROJ. 0064-002-102

MUFFIN MONSTER MANHOLE WITH MODEL 3000K-0008 (OR APPROVED EQUAL)

STATE ROUTE 742 - AVON STREET EXT
VAR. WIDTH PUBLIC R/W
PER VDOT PROJ. 0742-003-115

ALBEMARLE REGIONAL JAIL ADDITION
2-STORY
±22,488 GSF
FFE = 535.96'

ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL
MULTI-STORY MASONRY BUILDING
160 PEREGORY LANE

TMP 77-11A
ALBEMARLE-CHARLOTTESVILLE REGIONAL JAIL AUTHORITY
DB. 1531, PG. 668
DB. 1260, PG. 695 (PLAT)
ZONED: R1 RESIDENTIAL

PEREGORY LANE
60' EASEMENT OF RIGHT OF WAY
DB. 502, PG. 269

TMP 77-11B
THE COMMONWEALTH OF VIRGINIA
DB. 532, PG. 194
DB. 194, PG. 20 (PLAT)
DB. 502, PG. 274 (PLAT)
ZONED: R1 RESIDENTIAL

TMP 77E1-1B
THE COMMONWEALTH OF VIRGINIA (STATE BOARD FOR COMMUNITY COLLEGES)
DB. 481, PG. 139
DB. 458, PG. 141 (PLAT)
ZONED: R1 RESIDENTIAL

ACSA WATERLINE CONVEYANCE OF UTILITIES FROM CITY OF CHARLOTTESVILLE TO ACSA (EASEMENT DELINEATIONS NOT SPECIFIED OR DEFINED)
DB. 502, PG. 269
DB. 579, PG. 347

MASONRY SIGN: NATIONAL GUARD ARMORY, ACRJ & BLUE RIDGE JUVENILE DETENTION (LIGHTS NONFUNCTIONAL)

TREE PROTECTION FENCE (TP), SEE CIVIL PLANS

KEY PLAN

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ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO:	123456
DATE:	DEC 20, 2024
REVISIONS	
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD

PLANTING PLAN

SCALE 1"=20'
0 20' 40'

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PLANT SCHEDULE									
CODE	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	TYPE	CANOPY		
TREES									CANOPY TOTALS
BET DUR	3	BETULA NIGRA `DURAHEAT`	DURAHEAT RIVER BIRCH - MULTI-STEM	6` HT.	B&B OR CONTAINER		464SF		1,392 SF
QUE PHE	3	QUERCUS PHELLOS	WILLOW OAK	2.5" CAL.	B&B		419SF		1,257 SF
ULM JEF	4	ULMUS AMERICANA 'JEFFERSON'	JEFFERSON AMERICAN ELM	2.5" CAL.	B&B		464SF		1,856 SF
CODE	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	TYPE		SPACING	
DECIDUOUS SHRUBS									
HAM VIR	6	HAMAMELIS VIRGINIANA	COMMON WITCH HAZEL	36" HT./SPRD.	B&B OR CONTAINER	DECIDUOUS	113 SF	120" o.c.	678 SF
ILE RED	8	ILEX VERTICILLATA `RED SPRITE`	RED SPRITE WINTERBERRY	24" HT./SPRD.	CONTAINER		41 SF	36" o.c.	328 SF
RHU TYP	3	RHUS TYPHINA	STAGHORN SUMAC	36" HT./SPRD.	B&B OR CONTAINER	DECIDUOUS	254 SF	120" o.c.	762 SF
EVERGREEN SHRUBS									
ILE INK	29	ILEX GLABRA `COMPACTA`	COMPACT INKBERRY	24" HT./SPRD.	CONTAINER		23 SF	48" o.c.	667 SF
ILE GEM	18	ILEX GLABRA 'GEM BOX'	INKBERRY HOLLY	12" HT.	CONTAINER		23 SF	24" o.c.	414 SF
GROUNDCOVER									
RHU GRO	43	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	15" HT./SPRD.	CONTAINER		33 SF	42" o.c.	1,419 SF
ORNAMENTAL GRASSES									
PAN SHD	86	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	24" HT./SPRD.	5 GAL.		7 SF	30" o.c.	602 SF
									TOTAL: 9,375 SF

LANDSCAPE WITHIN A PARKING AREA
** per Sec. 32.7.9.6 of the Albemarle County Code.*

REQUIREMENT	PARKING LOT AREA	CALCULATIONS	REQUIRED	PROVIDED
5% OF GROSS PARKING AREA	21,622 SF	21,622 x .05 = 1,081.1 SF	1,081 SF	1,632 SF

LANDSCAPE WITHIN A PARKING AREA
** per Sec. 32.7.9.6 of the Albemarle County Code.*

REQUIREMENT	PARKING SPACES	CALCULATIONS	REQUIRED	PROVIDED
1 LARGE TREE OR MEDIUM TREE PER 10 PARKING SPACES	63 PARKING SPACES	63/10 = 6.3 LARGE TREES	7 LARGE TREES	12 LARGE TREES 29 SHRUBS

TREE CANOPY REQUIREMENTS
** per Sec. 32.7.9.8 of the Albemarle County Code.*

REQUIREMENT	SITE AREA	CALCULATIONS	REQUIRED	PROVIDED
10% OF THE LOT AREA IS TO BE COVERED BY TREE CANOPY	1.43 ACRES = 62,290.8 SF	62,290.8 x .10 = 6,229.08 SF	6,230 SF	9,375 SF

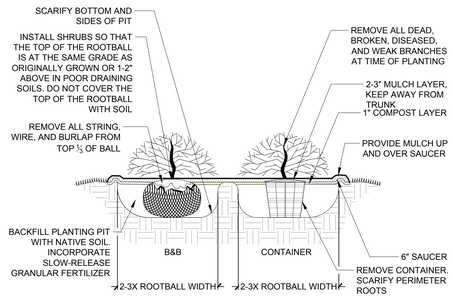
NOTE: ALL SITE PLANTING OF TREES AND SHRUBS SHALL BE ALLOWED TO REACH, AND BE MAINTAINED AT, MATURE HEIGHT; THE TOPPING OF TREES IS PROHIBITED. SHRUBS AND TREES SHALL BE PRUNED MINIMALLY AND ONLY TO SUPPORT THE OVERALL HEALTH OF THE PLANT.

NOTE: ALL LANDSCAPING SHALL BE INSTALLED BY THE FIRST PLANTING SEASON FOLLOWING THE ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY WITHIN THE DEVELOPMENT OR A PHASE THEREOF.

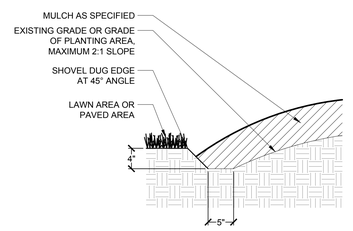
NOTE: ALL LANDSCAPING AND SCREENING SHALL BE MAINTAINED IN A HEALTHY CONDITION BY THE CURRENT OWNER OR A PROPERTY OWNER'S ASSOCIATION AND REPLACED WHEN NECESSARY. REPLACEMENT MATERIAL SHALL COMPLY WITH THE APPROVED LANDSCAPE PLAN.

LANDSCAPE MATERIALS SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	MANUFACTURER			
01 GENERAL							
	01-01	WOOD MULCH DOUBLE SHREDDED BLACK MULCH	2,788 SF	ROSE HAULING			
SYMBOL	CODE	DESCRIPTION	QTY	MANUFACTURER	COLOR	SIZE	DEPTH
ROCK							
	K-101	STONE MULCH #78	540 SF	ROSE HAULING	NATURAL STONE	#78	2"
	K-102	STONE MULCH 4" - 6"	299 SF	ROSE HAULING	NATURAL	4"-6"	
	K-103	LANDSCAPE BOULDER	9	ROSE HAULING	NATURAL/TAN	1/2 - 1 TON	

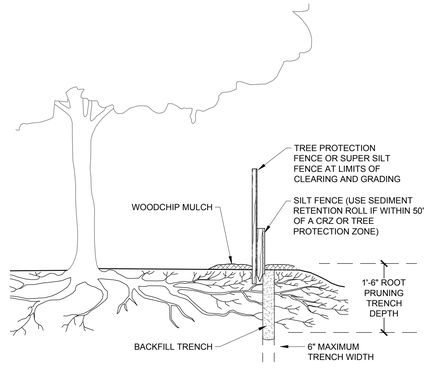


3 SHRUB PLANTING DETAIL
NTS



NOTE:
1. TRENCH EDGE DETAIL SHALL BE USED AT ALL LAWN EDGES & AT EDGES OF MULCHED AREA (FOR CONTAINMENT).
2. TRENCH EDGE SHALL CREATE A CLEAN SEPARATION BETWEEN AREAS & SHALL CREATE SMOOTH & EVEN LINES (AS INDICATED ON THE PLANS).

4 TRENCH EDGE
1" = 1'-0"



5 TREE PROTECTION FENCE & ROOT PRUNING
3/4" = 1'-0"

GENERAL NOTES

PRE-CONSTRUCTION

- CONTRACTOR IS RESPONSIBLE FOR CONTACTING "MISS UTILITY" AT 1.800.552.7001 FOR LOCATION OF ALL UTILITY LINES.TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS. NOTIFY LANDSCAPE ARCHITECT OF CONFLICTS.
- VERIFY ALL PLANT MATERIAL QUANTITIES ON THE PLAN PRIOR TO BIDDING. PLANT LIST TOTALS ARE FOR CONVENIENCE ONLY AND SHALL BE VERIFIED PRIOR TO BIDDING.
- PROVIDE PLANT MATERIALS OF QUANTITY, SIZE, GENUS, SPECIES, AND VARIETY INDICATED ON PLANS. ALL PLANT MATERIALS AND INSTALLATION SHALL COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK". IF SPECIFIED PLANT MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON AVAILABILITY TO THE LANDSCAPE ARCHITECT, TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL.
- PROVIDE AND INSTALL ALL PLANTS AS IN ACCORDANCE WITH DETAILS AND CONTRACT SPECIFICATIONS.
- SOIL TESTS SHALL BE PERFORMED TO DETERMINE SOIL CHARACTER AND QUALITY. NECESSARY SOIL AMENDMENTS SHALL BE PERFORMED PER TEST RESULTS TO ENSURE PLANT HEALTH.

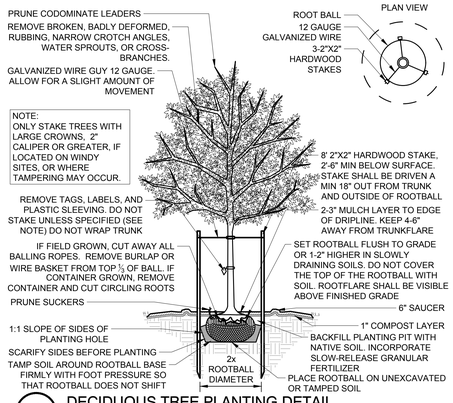
CONSTRUCTION/INSTALLATION

- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS AND MATERIALS THAT ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AS WELL AS PLANTS AND MATERIALS THAT DO NOT CONFORM TO ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK"
- LABEL AT LEAST ONE TREE AND ONE SHRUB OF EACH VARIETY AND CALIPER WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING THE DESIGNATION OF BOTANICAL AND COMMON NAME.
- INSTALL LANDSCAPE PLANTINGS AT ENTRANCES/EXITS AND PARKING AREAS ACCORDING TO PLANS SO THAT MATERIALS WILL NOT INTERFERE WITH SIGHT DISTANCES.
- CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL FINAL INSPECTION AND ACCEPTANCE BY OWNER. CONTRACTOR SHALL NOTIFY OWNER OF CONDITIONS WHICH AFFECTS THE GUARANTEE.

INSPECTIONS/GUARANTEE

- UPON COMPLETION OF LANDSCAPE INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR WHO WILL VERIFY COMPLETENESS, INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A FINAL INSPECTION BY THE LANDSCAPE ARCHITECT.
- ALL EXTERIOR PLANT MATERIALS SHALL BE GUARANTEED FOR ONE FULL YEAR AFTER DATE OF FINAL INSPECTION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. DEFECTS RESULTING FROM NEGLECT BY THE OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE CONTRACTORS CONTROL ARE NOT THE RESPONSIBILITY OF THE CONTRACTOR.
- PLANT MATERIAL QUANTITIES AND SIZES WILL BE INSPECTED FOR COMPLIANCE WITH APPROVED PLANS BY A SITE PLAN REVIEW AGENT OF THE PLANNING DEPARTMENT PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY.
- REMOVE ALL GUY WIRES AND STAKES 12 MONTHS AFTER INSTALLATION.

\- GENERAL NOTES
NTS



1 DECIDUOUS TREE PLANTING DETAIL
NTS

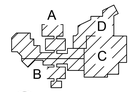
NOTE:
ATTACH TO TOP OF TREE PROTECTION FENCE AT 50' INTERVALS.



2 TREE PROTECTION SIGN
6" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

TIMMONS GROUP
1001 Boulders Parkway, Suite 300, Richmond, VA, 23225
Phone: 804.200.6592



KEY PLAN

ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 123456
DATE: DEC 20, 2024

REVISIONS	
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD

PLANTING NOTES AND SHEDULE

6 OF 16

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Luminaire Schedule						
Qty	Label	Symbol	LLF	Luminaire Lumens	[MANUFAC]	Description
2	B5		1.000	1152	KIM LIGHTING	PA7R-CH4-12L-010-3K7
1	L35		0.500	N.A.	Ecosense Lighting	L09-E-120-05-30-90-CV24-15X40 (DIMMED TO 50%)
6	N81		1.000	1826	KIM LIGHTING	LTV8122-SP-36L3K
19	S3		1.000	174	KIM1 LIGHTING	EL807_9L3K_KIT
3	V3-BC		1.000	12704	BEACON	VP-1-160L-135-3K7-3-BC
2	V4W-BB		1.000	15478	BEACON	VP-1-160L-135-3K7-4W
1	WP3		1.000	2054	LIGMAN	LEW-30021-T3-W30

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking Lot	Illuminance	Fc	3.86	7.9	1.0	3.86	7.90

Prepared by:
LIGHTING VIRGINIA CENTRAL
400G-2 Southlake Blvd.
Richmond, VA 23236
Tel: 804-379-7777
www.lightingvirginia.com

MH = mounting height in FEET

NOTES:

1. NO ALTERATIONS OR MODIFICATIONS SHALL BE MADE TO THIS PLAN WITHOUT THE PERMISSION OF LIGHTING VIRGINIA CENTRAL, ADAMS PARNELL, LLC.

2. THE OUTPUT ON THIS PHOTOMETRIC LAYOUT IS SPECIFIC TO THE MANUFACTURER AND CATALOG NUMBERS LISTED IN THE LUMINAIRE SCHEDULE. SUBSTITUTIONS OR DEVIATIONS FROM THIS PLAN MAY INCUR SIGNIFICANTLY DIFFERENT RESULTS. ANY SUBSTITUTIONS MUST RECEIVE ENGINEER AND ARCHITECT APPROVAL. REVIEW COSTS, REWORKED PHOTOMETRIC LAYOUTS, PRODUCT SUBMITTALS AND A FULL SET OF ITL REPORTS WILL SOLELY BE THE RESPONSIBILITY OF ANY CONTRACTING FIRM MAKING A SUBSTITUTION, AND MUST COMPLY WITH DESIGN CRITERIA AND WITH ANY APPLICABLE JURISDICTIONAL CODES.

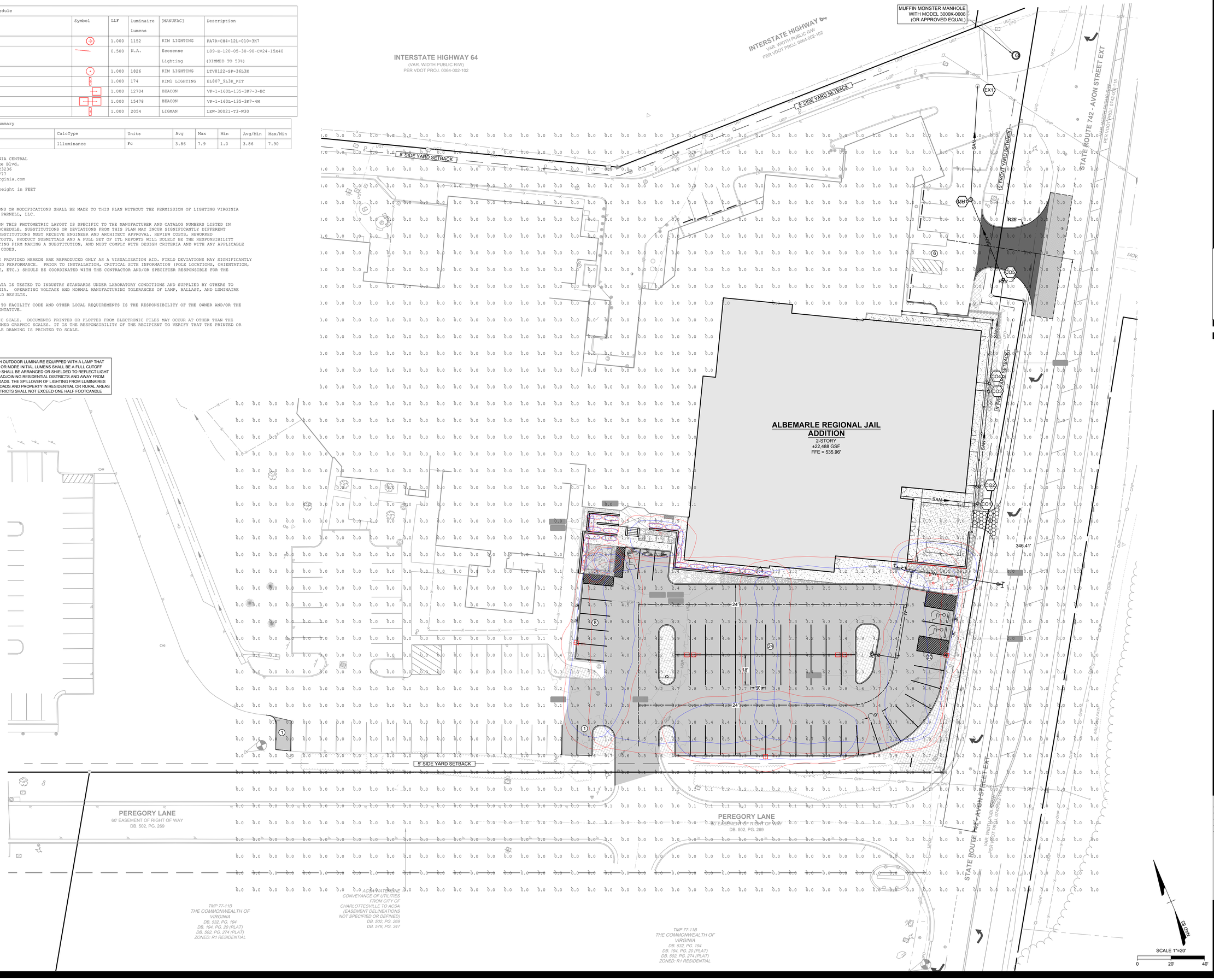
3. SITE DETAILS PROVIDED HEREON ARE REPRODUCED ONLY AS A VISUALIZATION AID. FIELD DEVIATIONS MAY SIGNIFICANTLY AFFECT PREDICTED PERFORMANCE. PRIOR TO INSTALLATION, CRITICAL SITE INFORMATION (POLE LOCATIONS, ORIENTATION, MOUNTING HEIGHT, ETC.) SHOULD BE COORDINATED WITH THE CONTRACTOR AND/OR SPECIFIER RESPONSIBLE FOR THE PROJECT.

4. LUMINAIRE DATA IS TESTED TO INDUSTRY STANDARDS UNDER LABORATORY CONDITIONS AND SUPPLIED BY OTHERS TO LIGHTING VIRGINIA. OPERATING VOLTAGE AND NORMAL MANUFACTURING TOLERANCES OF LAMP, BALLAST, AND LUMINAIRE MAY AFFECT FIELD RESULTS.

5. CONFORMANCE TO FACILITY CODE AND OTHER LOCAL REQUIREMENTS IS THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.

6. CHECK GRAPHIC SCALE. DOCUMENTS PRINTED OR PLOTTED FROM ELECTRONIC FILES MAY OCCUR AT OTHER THAN THE DESIRED OR ASSUMED GRAPHIC SCALES. IT IS THE RESPONSIBILITY OF THE RECIPIENT TO VERIFY THAT THE PRINTED OR PLOTTED-TO-SCALE DRAWING IS PRINTED TO SCALE.

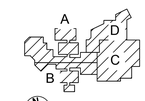
NOTE: EACH OUTDOOR LUMINAIRE EQUIPPED WITH A LAMP THAT EMITS 3,000 OR MORE INITIAL LUMENS SHALL BE A FULL CUTOFF LUMINAIRE AND SHALL BE ARRANGED OR SHIELDED TO REFLECT LIGHT AWAY FROM ADJOINING RESIDENTIAL DISTRICTS AND AWAY FROM ADJACENT ROADS. THE SPILLOVER OF LIGHTING FROM LUMINAIRES ONTO PUBLIC ROADS AND PROPERTY IN RESIDENTIAL OR RURAL AREAS ZONING DISTRICTS SHALL NOT EXCEED ONE HALF FOOTCANDLE



MOSELEY ARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
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MOSELEYARCHITECTS.COM

LIGHTING VIRGINIA

Prepared by:
LIGHTING VIRGINIA CENTRAL
400G-2 Southlake Blvd.
Richmond, VA 23236
Tel: 804-379-7777
www.lightingvirginia.com



ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO:	123456
DATE:	DEC 20, 2024
REVISIONS	
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD

PHOTOMETRIC PLAN

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Submitted by Lighting Virginia-Central

Job Name: ALBEMARLE CO. REGIONAL JAIL SITE

Catalog Number: PA7R-XX-NU-4-12L-010-3K7-42A-XXX-UNV

Notes:

Type: B5

LV - CENTRAL24-200106

KIMLIGHTING®

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

PA7R
BOLLARD

Pavilion™

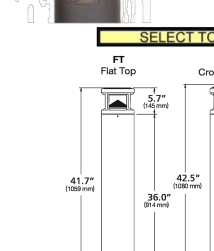


FEATURES

- IDA Dark Sky Compliant, No Up-light configuration
- Elegant form factor blended with Performance Optics
- Integral NEMA 3R Enclosure
- Dual receptacle power panel
- PA System capability
- Bluetooth® enabled RGBW accent

NU configurations in 3000K and warmer CCTs only

SELECT TOP



CONTROL TECHNOLOGY

Bluetooth® DMX pharos

	Weight
PA7R	25.3 lbs / 11.5 kg

SPECIFICATIONS

CONSTRUCTION

HOUSING:
- Castings are low copper aluminum alloy die-cast
- Gaskets are molded silicone to prevent harmful ingress to the lamp and driver compartments
- IP65 rated

SHAFT:
- Aluminum shaft(s) is .125" thick extruded aluminum 6061 alloy
- Concrete shaft(s) conforms to current specifications for "Portland Cement." ASTM C150, Type I or II. Aggregates shall meet current requirements of "Specifications for Concrete Aggregates," ASTM C33. Water shall be clean and free from deleterious amounts of silt, oil, acids, alkalies or organic materials. Wire for reinforcement shall conform to ASTM A185. Steel for lugs and plates shall conform to ASTM A36, or A283 grade D
- Concrete shaft(s) is medium sand-blasted with anti-graffiti sealer and material color shall be integral to the concrete mix
- Concrete shaft(s) is cured to allow for completion of the hydration process, and result in a 28 day compressive strength of not less than 4,500 psi
- Concrete shaft(s) is cast from fiberglass molds used to insure uniform parts. Mold parting lines maybe slightly visible in finished parts

OPTICS
- LEDs mount to a metal printed circuit board assembly (MCPCB)
- Optical lenses are clear injection molded PMMA acrylic
- U0 configurations have an optically clear flat tempered glass lens, all other configurations have either an optically clear or high transmission diffused acrylic lens

INSTALLATION
- Aluminum shaft configurations will have four 3/8" x 10" x 2" zinc plated L-hook anchor bolts shall to be installed with an included template. Nuts and washers are provided to level and secure the mounting plate to the anchor bolts
- Aluminum shaft configurations will have a mounting plate and be able to be rotated 20° in either direction during installation for aiming adjustment
- Concrete shaft configurations will have four steel mounting tabs for installation on four 1/2" x 10" + 2" zinc electroplated L-hook anchor bolts. Each anchor bolt is supplied with two nuts, two washers, and a rigid pressed board template
- Concrete shaft configurations are palletized with adequate hold-downs to prevent load movement in transit
- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

ELECTRICAL
- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed
- High voltage configurations, 208-277, 347/480. Driver is Underwriters Laboratories listed
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers are greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments
- Luminaire is capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C

(Specifications continued on page 3)

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Submitted by Lighting Virginia-Central
Job Name: ALBEMARLE CO. REGIONAL JAIL SITE
Catalog Number: PA7R-XX-NU-4-12L-010-3K7-42A-XXX-UNV
Notes:
Type: B5
LV - CENTRAL24-200106
KIMLIGHTING®
DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

PA7R
BOLLARD

ORDERING GUIDE

Example: PA7R-FT-NU-1-12L-010-5K7-24A-BLS-UNV-EM

CATALOG #

HOUSING

PA7R	XX	NU	4	12L-010-3K7
Model	**Top**	**Optics**	**Distribution**	**Light Engine** [13]
PA7R Pavilion 7" Ø Round	FT Flat Top	NU No Up-light	1 Type I	12L-010-AMB [10] 14W, Monochromatic Amber
	CT [1] Crowned Top	CH Clear Horizontal Lens	2 Type II	12L-010-3K7 14W (1000 nominal lm), 3000K, 70 CRI
	SELECT	CL [2] Clear Vertical Lens	3 Type III	12L-010-4K7 14W (1000 nominal lm), 4000K, 70 CRI
		DL [2,3] Diffuse Vertical Lens	3HS Type III + House side shield	12L-010-5K7 14W (1000 nominal lm), 5000K, 70 CRI
		LV Louvers	4 Type IV	12L-020-AMB [10] 22W, Monochromatic Amber
		GC Grille with clear vertical lens	5 Type V	12L-020-3K7 22W (2000 nominal lm), 3000K, 70 CRI
		GD [3] Grille with diffuse vertical lens		12L-020-4K7 22W (2000 nominal lm), 4000K, 70 CRI
				12L-020-5K7 22W (2000 nominal lm), 5000K, 70 CRI
				Consult factory for other CCTs (2700K - 6500K) and CRIs (80, 90 CRI)

42A	XXX	UNV	
Body	**Fixture Finish**	**Voltage**	**Options**
24A 24" OAH, Aluminum	BLS Black Gloss Smooth	UNV 120-277V	EM [7] Battery Backup
42A 42" OAH, Aluminum	BLT Black Matte Textured	120 [6] 120V	LR [8] Luminous Accent
42BR-C 42" OAH, Brown Concrete	DBS Dark Bronze Gloss Smooth	277 [6] 208-277V	SF [9] Single Fuse
42CH-C 42" OAH, Charcoal Concrete	DBT Dark Bronze Matte Textured	347 [6] 347V	DF [9] Double Fuse
42NG-C 42" OAH, Natural Gray Concrete	GTT Graphite Matte Textured	480 [6] 480V	
42WH-C 42" OAH, White Concrete	LGS Light Grey Gloss Smooth		
42A-ROP [4] 42" OAH, Aluminum + Dual Receptacle Outlet Panel and Cover	LGT Light Grey Matte Textured		
42A-ROP-L [4] 42" OAH, Aluminum + Dual Receptacle Outlet Panel and Locking Cover	PSS Platinum Silver Gloss Smooth		
42A-2GEB 42" OAH, Aluminum + Integral Recessed 2 Gang Electrical Box	VGT Verde Green Matte Textured		
42A-SG3 42" OAH, Aluminum + Speaker Grille Enclosure for 3" Ø speaker	WHS White Gloss Smooth		
44A 44" Non-Impact Resistant OAH, Aluminum	WHT White Matte Textured		
44A-ROP 44" Non-Impact Resistant OAH, Aluminum + Dual Receptacle Outlet Panel and Cover	**Color Option**		
44A-ROP-L 44" Non-Impact Resistant OAH, Aluminum + Dual Receptacle Outlet Panel and Locking Cover	CC [11] Custom Color		
44A-2GEB 44" Non-Impact Resistant OAH, Aluminum + Integral Recessed 2 Gang Electrical Box	SELECT FROM STD COLORS		
44A-SG3 44" Non-Impact Resistant OAH, Aluminum + Speaker Grille Enclosure for 3" Ø speaker			
For Impact Rated 44" OAH Round Pavilion			

1 Adds .6 / 15mm to OAH (over all height).
2 CL and DL configurations shall be IK04
3 Only Available with 1 Type I or 5 Type V distributions only.
4 For GFCI/USB limited voltage to 120VAC only.
6 Dedicated input voltage, required for MW Motions sensing.
7 0°C min starting temperature, 90+ minute run time, output equivalent to 12L-010-#K7
8 Adds +5 watts and 1" / 254mm to overall height.
9 SF for 120, 277 and 347 input voltage, DF for 208, 240 and 480 input voltage.
10 Turtle friendly
11 Consult factory for custom color, marine and corrosive finish options
12 5-step MacAdam Ellipse Binning standard. Consult factory for 3-step MacAdam Ellipse Binning.

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Submitted by Lighting Virginia-Central
Job Name: ALBEMARLE CO. REGIONAL JAIL SITE
Catalog Number: PA7R-XX-NU-4-12L-010-3K7-42A-XXX-UNV
Notes:
Type: B5
LV - CENTRAL24-200106
KIMLIGHTING®
DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

PA7R
BOLLARD

SPECIFICATIONS CONT'D

CONTROLS
- Standard fixtures dimming range shall be from 10% to 100% and be compatible with 0-10V, user-defined, control devices

Standard Input Black (L) / White (N) / Green (GND) / Pink Dimming Lead (-) / Purple Dimming Lead (+) / Fixture Housing / 30 mA Max

WIRELESS CONTROLS

BLUETOOTH®:
- The Integral module shall enable the adjustment of the Luminous Accent to dim or change color to the desired setting when paired with RGBW Remote App via celluar/tablet device
- The integral module shall be compatible with Bluetood Low Energy (BLE) or Bluetooth® Smart mobile devices operating on iOS8 or Android Gingerbread operating systems or newer
- Mobile App. dimming range from 0% to 100% through the use of RGBW app (available on IOS and Android)
- Color selection and adjustment
- Camera function for color matching
- Intensity slider for dimming/ramping up
- Save and rename up to 10 presets
- Group and rename fixtures
- Fixture is password protected, refer to instructions to set unique password

DMX:
- 6 wires: Red (DMX+), Brown (DMX-), Yellow (DMX Ground), Black (Line Voltage), White (common), and Green (Ground)
- Single DMX universe with six slots/addresses of virtual control which are pre-programmed at the factory:
- DMX slot/address 1 = red
- DMX slot/address 2 = green
- DMX slot/address 3 = blue
- DMX slot/address 4 = white
- Fully DMX RDM compatible
- Mobile App specification in additional information section

OPTIONAL BACKUP BATTERY
- Integral battery backup provides emergency path of egress lighting for the required 90 minutes for 0°C ambient environments

CAUTION:
- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

CERTIFICATIONS AND LISTINGS
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- IP65 rated
- IEC 66262 Mechanical Impact Code IK10
- IDA approved, 3000K and warmer CCTs only
- RoHS compliant
- Emergency battery pack options are California Energy Commission (CEC) Title 20 Compliant
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to https://www.currentlighting.com/resources/america-solutions)

WARRANTY
- 5 year warranty
- See HLI Standard Warranty for additional information

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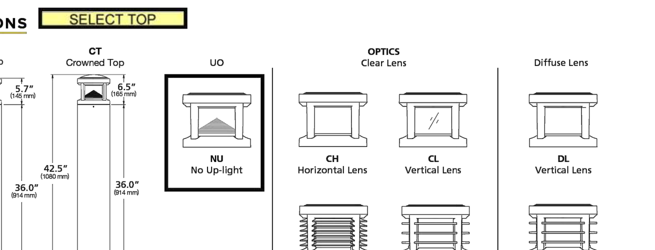
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Submitted by Lighting Virginia-Central
Job Name: ALBEMARLE CO. REGIONAL JAIL SITE
Catalog Number: PA7R-XX-NU-4-12L-010-3K7-42A-XXX-UNV
Notes:
Type: B5
LV - CENTRAL24-200106
KIMLIGHTING®
DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

PA7R
BOLLARD

DIMENSIONS

SELECT TOP



DELIVERED LUMENS

Drive Current	LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI Lumen	B	U	G	lm/w	4000K 70CRI Lumen	B	U	G	lm/w	5000K 70CRI Lumen	B	U	G	lm/w
550mA	12L	22	2,000	NU U0 Optics	1	1044	0	0	0	48	1136	0	0	0	52	1164	0	0	0	54
					2	1199	0	0	0	55	1305	0	0	0	60	1336	0	0	0	62
					3	1128	0	0	1	52	1228	0	0	1	57	1257	0	0	1	58
					3HS	953	0	0	0	44	1037	0	0	0	48	1062	0	0	1	49
					4	1362	0	0	0	63	1482	0	0	1	68	1518	0	0	1	70
					5	1265	1	0	0	58	1377	1	0	0	63	1410	1	0	0	65
				CH Clear Horizontal Lens	1	1778	0	3	1	82	1935	0	3	1	89	1981	0	3	1	91
					2	1711	1	3	1	79	1862	1	3	1	86	1906	1	3	1	88
					3	1643	1	3	1	76	1788	1	3	1	82	1831	1	3	1	84
					3HS	1443	0	3	1	66	1570	0	3	1	72	1608	0	3	1	74
					4	1731	0	3	1	80	1884	0	3	1	87	1929	0	3	1	89
					5	1841	1	3	1	85	2003	1	3	1	92	2051	1	3	1	95
				CL Clear Vertical Lens	1	1852	0	4	1	85	2016	1	4	1	93	2064	1	4	1	95
					2	1984	1	3	1	91	2159	1	3	1	99	2211	1	3	1	102
					3	2062	1	3	1	95	2244	1	3	1	103	2298	1	3	1	106
					3HS	1665	0	3	1	77	1811	0	3	1	83	1855	0	3	1	85
					4	2055	0	3	1	95	2236	1	3	1	103	2290	1	3	1	106
					5	2109	1	3	1	97	2295	1	3	1	106	2350	1	3	1	108

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Submitted by Lighting Virginia-Central
Job Name: ALBEMARLE CO. REGIONAL JAIL SITE
Catalog Number: PA7R-XX-NU-4-12L-010-3K7-42A-XXX-UNV
Notes:
Type: B5
LV - CENTRAL24-200106
KIMLIGHTING®
DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

PA7R
BOLLARD

DELIVERED LUMENS (CONTINUED)

Drive Current	LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI Lumen	B	U	G	lm/w	4000K 70CRI Lumen	B	U	G	lm/w	5000K 70CRI Lumen	B	U	G	lm/w
350mA	12L	14	1,000	NU U0 Optics	1	749	0	0	0	54	815	0	0	0	59	835	0	0	0	60
					2	860	0	0	0	62	936	0	0	0	67	958	0	0	0	69
					3	809	0	0	0	58	881	0	0	0	63	902	0	0	0	65
					3HS	684	0	0	0	49	744	0	0	0	53	762	0	0	0	55
					4	977	0	0	0	70	1063	0	0	0	76	1089	0	0	0	78
					5	908	1	0	0	65	988	1	0	0	71	1011	1	0	0	73
				CH Clear Horizontal Lens	1	1184	0	3	1	85	1288	0	3	1	92	1319	0	3	1	95
					2	1139	0	3	1	82	1239	0	3	1	89	1269	0	3	1	91
					3	1094	0	3	1	79	1190	0	3	1	85	1219	0	3	1	87
					3HS	960	0	3	1	69	1045	0	3	1	75	1070	0	3	1	77
					4	1152	0	3	1	83	1254	0	3	1	90	1284	0	3	1	92
					5	1225	1	3	1	88	1333	1	3	1	96	1365	1	3	1	98
				CL Clear Vertical Lens	1	1146	0	3	1	82	1247	0	3	1	90	1277	0	3	1	92
					2	1228	0	3	1	88	1336	1	3	1	96	1368	1	3	1	98
					3	1276	0	3	1	92	1389	1	3	1	100	1422	1	3	1	102
					3HS	1030	0	3	1	74	1121	0	3	1	80	1148	0	3	1	82
					4	1272	0	3	1	91	1384	0	3	1	99	1417	0	3	1	102
					5	1305	1	3	1	94	1420	1	3	1	102	1454	1	3	1	104
				DL Diffused Vertical Lens	1	1086	0	3	1	78	1182	0	3	1	85	1210	0	3	1	87
					5	1141	1	3	1	82	1241	1	3	1	89	1271	1	3	1	91

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Submitted by Lighting Virginia-Central
Job Name: ALBEMARLE CO. REGIONAL JAIL SITE
Catalog Number: PA7R-XX-NU-4-12L-010-3K7-42A-XXX-UNV
Notes:
Type: B5
LV - CENTRAL24-200106
KIMLIGHTING®
DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

PA7R
BOLLARD

PHOTOMETRY

PA7R-NU3-12L-020-4K7

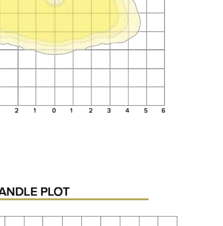
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1228
Watts	21.76
Efficacy	56.0
IES Type	III
BUG Rating	B0-U0-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1035	84.3%
Downward House Side	194	15.8%
Downward Total	1228	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1228	100%

ISOFOOT CANDLE PLOT



PA7R-NU3HS-12L-020-4K7

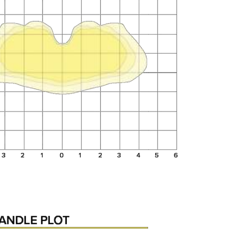
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1037
Watts	21.74
Efficacy	48.0
IES Type	III
BUG Rating	B0-U0-G0
Mounting Height	3.5 ft
Grid Scale	6 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	987	95.1%
Downward House Side	51	4.9%
Downward Total	1038	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1038	100%

ISOFOOT CANDLE PLOT



PA7R-NU4-12L-020-4K7

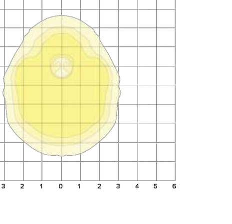
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	1482
Watts	21.67
Efficacy	68.0
IES Type	IV
BUG Rating	B0-U0-G1
Mounting Height	3.5 ft
Grid Scale	6 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1318	88.9%
Downward House Side	164	11.1%
Downward Total	1483	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1483	100%

ISOFOOT CANDLE PLOT



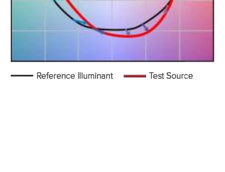
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Submitted by Lighting Virginia-Central
Job Name: ALBEMARLE CO. REGIONAL JAIL SITE
Catalog Number: PA7R-XX-NU-4-12L-010-3K7-42A-XXX-UNV
Notes:
Type: B5
LV - CENTRAL24-200106
KIMLIGHTING®
DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

PA7R
BOLLARD

TM-30 DATA

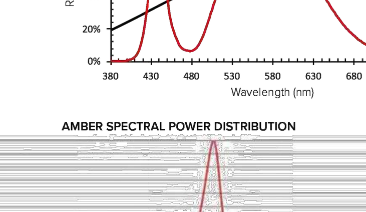
COLOR VECTOR GRAPHIC



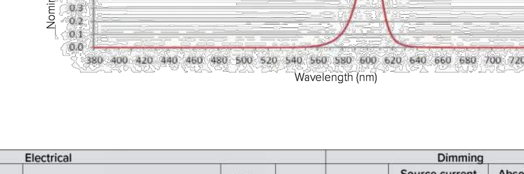
TEST SOURCE

R_f	68
R_g	99
CCT(K)	3947
D_{uv}	0.0004
x	0.3831
y	0.3793
CIE R_a	72

SPECTRAL POWER DISTRIBUTION COMPARISON



AMBER SPECTRAL POWER DISTRIBUTION



ELECTRICAL DATA

# LED	System Watts	Drive Current	Line Voltage VAC	Line Voltage Hz	Amps AC 120	208	240	277	347	480	Min. Power Factor	Max THD (%)	Dimming Range	Source current out of 0-10V Min	Source current out of 0-10V Max	Absolute voltage range on 0-10V (+) Min	Absolute voltage range on 0-10V (+) Max
12	22	550mA	120-480	50/60	0.18	0.11	0.09	0.08	0.06	0.05	>0.9	20	10% to 100%	0mA	1mA	0V	10V
	14	350mA			0.12	0.07	0.06	0.05	0.04	0.03							

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C) & (40°C / 104°C)						
Hours	**0**	**25,000**	**36,000**	**50,000**	**100,000**	**Reported L70**
Projected Lumen Maintenance	100%	98%	97%	95%	90%	60khrs

CRI Lumen Multiplier 80 and 90 CRI		
CCT	**80 CRI**	**90 CRI**
2700K	0.859	0.655
3000K	0.9119	0.7033
3500K	0.906	0.732
4000K	0.8941	0.734
5000K	0.879	0.7712
Scaling factor of 5000K 70CRI lumen packages		

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Submitted by Lighting Virginia-Central

Job Name: ALBEMARLE CO. REGIONAL JAIL SITE

Catalog Number: LTV81SS/SP/36L3KUV/SR/RCA81

Notes:

Type: N81

LV - CENTRAL24-200106

KIMLIGHTING®

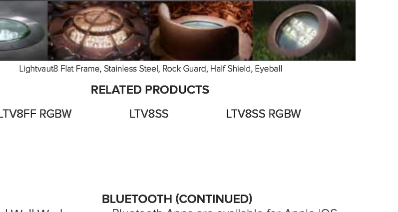
DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

LTV81
INGRADE

LIGHTVAULT8



Lightvault8 Flat Frame, Stainless Steel, Rock Guard, Half Shield, Eyeball

RELATED PRODUCTS

LTV8FF RGBW LTV8SS LTV8SS RGBW

FEATURES

- Sealed IP68 LED light engine
- Bluetooth connectivity for remote control aiming and dimming
- Free Mobile App for Android and iOS
- Easy to install and pair devices
- Advanced thermal management provides long life in excess of 100,000+ hours
- Runs cool to the touch - less than 40°C

IK09 IP68

CONTROL TECHNOLOGY

Bluetooth®

SPECIFICATIONS

HOUSING:
- Pour Box rough-in housing for installation below grade
- High temperature UV resistant thermal plastic, 3/16" minimum wall, black
- Includes a splice box with molded plastic splice cover and silicone gasket
- Three 1" NPT in bottom for through wiring on LTV81 and LTV82
- Two 1" NPT in bottom for through wiring on LTV83. 107 cu. in. splice area for LTV81
- 52 cu. in. splice area for LTV82. 24 cu. in. splice area for LTV83
- Rough-in housing supplied with a protective aluminum debris shield and includes an orientation label for proper installation alignment. This allows for clean and easy installation in concrete pad or soil. Pour Box can be shipped separately as a quick-ship if requested
- One-piece impregnated cast bronze component module is fully sealed and secured to the face trim from the underside
- A high temperature, anti-siphon, IP68 sealed cable extends from the component module to the splice box inside the housing
- The fully assembled component module is secured to the housing with (4) ¼-20 tamper-resistant and high grade stainless steel fasteners
- One-piece cast bronze lens ring fastens to the component module from the underside and provides a flat surface
- Slip Resistant Lens (SR) and Rebar Cage Anchor (RCA81)
- When installed in concrete, fixture will withstand drive-over by vehicles weighing up to 4,500 lb.

OPTICS
- Spot (SP), Narrow Flood (NF), and Wall Wash (WW) optical modules are adjustable up to 15° utilizing a Bluetooth enabled motor assembly
- Clear 5/16" thick tempered glass lens and silicone gasket is retained securely within the component module

ELECTRICAL
- All electronic components are UL and CSA recognized and are mounted directly to the component module for maximum heat dissipation and modularity. Driver is IP67 with -30°C minimum temperature rating
- Product comes standrd with a UL Recognized 10kA surge protector

CONTROLS
- Standard fixtures dimming range is from 10% to 100% and be compatible with 0-10V, user-defined, control devices

Standard Input Black (L) / White (N) / Green (GND) / Pink Dimming Lead (-) / Purple Dimming Lead (+) / Fixture Housing / 30 mA Max

BLUETOOTH:
- Integral Bluetooth module used to adjust optics and dim fixture to desired setting when paired with KIM LTV8 Remote App via cellular/tablet device
- Fully qualified Bluetooth 1.1, 1.2, 2.0, 2.1. Bluetooth v2.0+EDR compatible with Android devices running Android Gingerbread API level 9 forward. Bluetooth 4.0 LE compatible with iOS devices - iPhone 4S and later, 5th generation iPod touch, the iPad Mini and the 3rd generation and later of the full size iPad with iOS 5 or later

BLUETOOTH (CONTINUED)
- Bluetooth Apps are available for Apple iOS and Google Android mobile devices and are downloadable via the internet at Apple App Store or Google Play

CAUTION:
- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

CERTIFICATIONS AND LISTINGS
- Listed to UL1598 and UL8750 25°C ambient operation
- SASO Certified for LTV82/83
- IP68 rated
- IEC 66262 Mechanical Impact Code IK09
- CISPR 15 Compliant, per product standard EN 55015:2013
- RoHS compliant

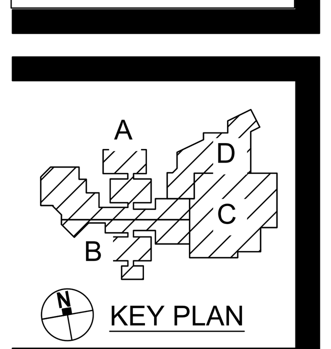
WARRANTY
- 5 year warranty

KEY DATA	
Lumen Range	988–3878
Wattage Range	14–44
Reported Life (Hours)	L70/60,000

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MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

LIGHTING VIRGINIA
Prepared by:
LIGHTING VIRGINIA CENTRAL
400G-2 Southlake Blvd.
Richmond, VA 23236
Tel: 804-379-7777
www.lightingvirginia.com



KEY PLAN

ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 123456
DATE: DEC 20, 2024

REVISIONS	
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD

LIGHTING CUTSHEETS

S:\305\62567-ACRJ\DWG\Sheet\ARB\62567-LA-LUMN.dwg | Plotted on 12/20/2024 2:12 PM | by Ryan Voss

Submitted by Lighting Virginia-Central | **Job Name:** ALBEMARLE CO. REGIONAL JAIL SITE | **Catalog Number:** LTV81SS/SP/36L3KUV/SR/RCA81 | Notes: | **Type:** N81 | LV - CENTRAL24-200106

KIM LIGHTING®

DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

LTV81
INGRADE

ORDERING GUIDE

Example: LTV81-FF-NF-36L-4K-UV-SR-RCA81

CATALOG #

HOUSING

LTV81	SS	SP	36L	3K	UV	SR	RCA81
Model	Style	Distribution	Source	Color Temperature	Voltages	Lens Options [1]	Bolcar Cage Anchor
LTV81 17 MN	FF Flat Frame	SP Spot	36L 36 LEDs	3K 3000K	UV 120-277V	SR Slip Resistant	RCA81 for LTV81
	SS Stainless Steel	NF Narrow Flood	18L 18 LEDs (prelim)	4K 4000K		PL Frameless Lens	
	HS High Shield	WW Wall Wash		5K 5000K			
	RG Rock Guard						
	EB Eyebrow [2]						

1 Eyebrow fixture comes only with 18 LED.
2 All lens options are integral parts of component module and must be installed at factory.

Submitted by Lighting Virginia-Central | **Job Name:** ALBEMARLE CO. REGIONAL JAIL SITE | **Catalog Number:** LTV81SS/SP/36L3KUV/SR/RCA81 | Notes: | **Type:** N81 | LV - CENTRAL24-200106

KIM LIGHTING®

DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

LTV81
INGRADE

DELIVERED LUMENS

LTV81FF

Optical Module	Source	Color Temps	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V	Field Angle (10%) H x V	NEMA Type
SP	36L	3K	3529	42861	UV	42W	350 for 120V 202 for 208V 175 for 240V 152 for 277V	12.9 x 12.9	26.4 x 26.4	2H x 2V
		4K	3617	45492						
		5K	3658	46015						
NF		3K	2911	3248				46 x 54.6	79.9 x 83.8	5H x 5V
		4K	2985	3310						
		5K	3020	3379						
WW		3K	3739	6083		44W	367 for 120V 212 for 208V 183 for 240V 159 for 277V	53.1 x 28.2	102.5 x 61.1	6H x 4V
		4K	3835	6239						
		5K	3878	6309						

LTV81SS

Optical Module	Source	Color Temps	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	36L	3K	3529	42861	UV	42W	350 for 120V 202 for 208V 175 for 240V 152 for 277V	12.9°
		4K	3617	45492				
		5K	3658	46015				
NF		3K	2911	3248				46°
		4K	2985	3310				
		5K	3020	3379				
WW		3K	3739	6083		44W	367 for 120V 212 for 208V 183 for 240V 159 for 277V	53.1°
		4K	3835	6239				
		5K	3878	6309				

LTV81RG

Optical Module	Source	Color Temps	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	36L	3K	2399	26821	UV	42W	350 for 120V 202 for 208V 175 for 240V 152 for 277V	13.3°
		4K	2462	27423				
		5K	2488	28026				
NF		3K	2036	2308				44.3°
		4K	2088	2436				
		5K	2111	2453				
WW		3K	2522	4097		44W	367 for 120V 212 for 208V 183 for 240V 159 for 277V	49.3°
		4K	2585	4201				
		5K	2616	4250				

LTV81HS

Optical Module	Source	Color Temps	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	36L	3K	3418	42371	UV	42W	350 for 120V 202 for 208V 175 for 240V 152 for 277V	12.9°
		4K	3507	43560				
		5K	3543	45983				
NF		3K	2627	3228				49.3°
		4K	2695	3317				
		5K	2724	3412				
WW		3K	3489	6032		44W	367 for 120V 212 for 208V 183 for 240V 159 for 277V	52.3°
		4K	3578	6187				
		5K	3619	6257				

KEY: FF = Flat Frame, SS = Flat Frame, RG = Rock Guard, HS = Half Shield, EB = Eyebrow, SP = Spot, NF = Narrow Flood, WW = Wall Wash (Ra>70, 3K, 36 LEDs, 5K, 18 LEDs, 4K, 36 LEDs), 3K = 3000K, 4K = 4000K, 5K = 5000K, UV = Universal Voltage shall range from 120V-277V with a ±10% tolerance.
* The SP and/or NF are based on Candelas exiting unit straight up. The WW is for highest candela angle.

Submitted by Lighting Virginia-Central | **Job Name:** ALBEMARLE CO. REGIONAL JAIL SITE | **Catalog Number:** LTV81SS/SP/36L3KUV/SR/RCA81 | Notes: | **Type:** N81 | LV - CENTRAL24-200106

KIM LIGHTING®

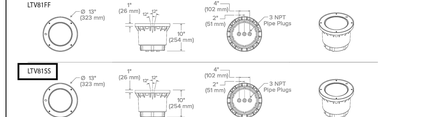
DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

LTV81
INGRADE

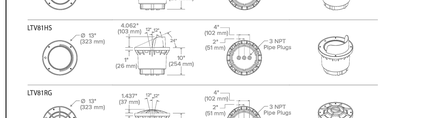
DIMENSIONS

Top View | Side View | Bottom View | ISO View

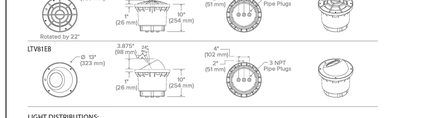
LTV81FF



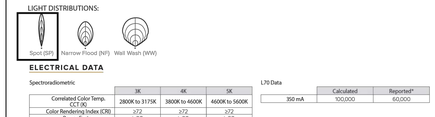
LTV81SS



LTV81HS



LTV81RG



LTV81EB



LIGHT DISTRIBUTIONS:

ELECTRICAL DATA

Spectroradiometric

	3K	4K	5K
Correlated Color Temp. CCT (K)	2800K to 3175K	3800K to 4600K	4600K to 5600K
Color Rendering Index (CRI)	≥72	≥72	≥72
Power Factor	>90	>90	>90

L70 Data

	Calculated	Reported*
350 mA	100,000	60,000

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Submitted by Lighting Virginia-Central | **Job Name:** ALBEMARLE CO. REGIONAL JAIL SITE | **Catalog Number:** EL807/9L3KUV/XX | Notes: | **Type:** S3 | LV - CENTRAL24-200106

KIM LIGHTING®

Wall, Step , Path Light EL807
120 / 277 VOLT DIE-CAST ALUMINUM LED

Lumen Data

Spectroradiometric			
	3000K	4200K	5100K
Correlated Color Temp. CCT (K)	2800 to 3175K	3800 to 4600K	4600 to 5600K
Color Rendering Index (CRI)	≥75	≥70	≥65

ELECTRICAL - Drive Current @350mA (3 LEDs)		
Volts -AC	Amps - AC	System Watts
120	0.13	5.3
208	0.08	5.3
240	0.08	5.3
277	0.06	5.3

ELECTRICAL - Drive Current @350mA (9 LEDs)		
Volts -AC	Amps - AC	System Watts
120	0.09	10.5
208	0.05	10.5
240	0.04	10.5
277	0.04	10.5

Absolute Lumens (3 LEDs)	
Temperature	EL807/3L*K
3000K	61
4200K	71
5100K	78

Absolute Lumens (9 LEDs)	
Temperature	EL807/9L*K
3000K	167
4200K	188
5100K	213

Lumens Per Watt (3 LEDs)	
Temperature	EL807/3L*K
3000K	11.5
4200K	13.4
5100K	14.7

Lumens Per Watt (9 LEDs)	
Temperature	EL807/9L*K
3000K	15.9
4200K	17.9
5100K	20.1

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Submitted by Lighting Virginia-Central | **Job Name:** ALBEMARLE CO. REGIONAL JAIL SITE | **Catalog Number:** EL807/9L3KUV/XX | Notes: | **Type:** S3 | LV - CENTRAL24-200106

KIM LIGHTING®

Wall, Step , Path Light EL807
120 / 277 VOLT DIE-CAST ALUMINUM LED

Type:
Job:
Fixture Catalog number:

EL807/ 9L3KUV / XX
Fixture Made Finish

Approvals:

Specifications

Housing: Die-cast low copper alloy (<0.6% Cu) aluminum with clear anodized finish. Two 1/2" NPT in sides. Housing mounts into concrete, brick, or masonry. (non-combustible materials). Internal splice area provided behind lamp plate.

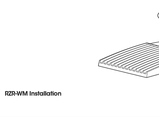
Lens Frame: Die-cast aluminum, with silicone gasket, attaches to housing with two captive 10-32 stainless steel, hex socket cap screws.

Lens: Tempered prismatic glass with silicone gasket, concealed above lens frame opening.

Finish: On lens frame only, each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors are Black (**BL**), Dark Bronze (**DB**), and Verde Green (**GR**).

Optical System: A total of 3 or 9 LED emitters are configured together as a module. Available in 3000K, 4200K, and 5100K.

Driver: Universal Voltage from 120 to 277V with a ±10% tolerance. -40° F. starting temperature. All drivers are Underwriters Laboratories recognized.



ORDERING INFORMATION

Fixture	Source
EL807 / 3L3KUV[1]	3.6W, 3 LED's, 3000K
EL807 / 3L4KUV[1]	3.6W, 3 LED's, 4200K
EL807 / 3L5KUV[1]	3.6W, 3 LED's, 5100K

Fixture	Source
EL807 / 9L3KUV[1]	10.8W, 9 LED's, 3000K
EL807 / 9L4KUV[1]	10.8W, 9 LED's, 4200K
EL807 / 9L5KUV[1]	10.8W, 9 LED's, 5100K

1 Universal Voltage from 120 to 277V with a ±10% tolerance. *For 5.3W, Max Amps. are .13 for 120V, .080 for 208V, .080 for 240V, .060 for 277V. For 10.8W, Max. Amps. are .090 for 120V, .050 for 208V, .040 for 240V, .040 for 277V..*

Finish

BL - Black	SELECT FINISH
DB - Dark Bronze	
GR - Verde Green	

Listings and Ratings	
cULcUL 1598E	25C Ambient

Suitable for wet locations

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Submitted by Lighting Virginia-Central | **Job Name:** ALBEMARLE CO. REGIONAL JAIL SITE | **Catalog Number:** RZR/PLED-III-W/40LED-525MA/30K/UNV/1/XXX/HS-PLED/40 | Notes: | **Type:** V3-BC | LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING

AREA & ROADWAY LIGHTING

PROJECT NAME:
PROJECT TYPE:

RAZAR SERIES - LED
LOW PROFILE AREA LUMINAIRE

Optical Housing
Heavy cast aluminum assembly minimum wall thickness .188". LED Module mounting area is machined to within a 0.002" surface flatness variance for maximum surface contact and thermal conductivity from the LED module to the radiating fins. Passive radiating fins above the LED Optics provide superior thermal management and long LED life.The optical and electrical compartments are integrated with the support arm to create one assembly. Mounting hinged driver compartment cover allows access to the drivers and wiring.

Electrical Housing w/ Integrated Arm
Heavy cast aluminum assembly with integral cooling ribs surrounding the electrical compartment and a flat surface on the top of the arm to accommodate a photocell receptacle. Solid barrier wall separates optical and electrical compartments. The optical compartment and electrical compartment with the integrated support arm combine to create one assembly.Minimum wall thickness is .188" Cast and hinged driver assembly cover is integrated with wiring compartment cover.

Mast Arm Fitter/Electrical Housing
Replaces standard Electrical Housing. Fits standard 2 3/8" O.D. horizontal tenon. Two (2) straps with two (2) bolts each encircle the lower half of the tenon. Upper half of the tenon rests on self-centering steps that position the angle of the luminaire at 0°, +1.5°, +3° or +5° up from the horizontal. All hardware is stainless steel.

PLED™ Optics
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side, maximizing usable light. Optional house side shields are available that cover each individual optic. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard roadway area distributions. Panels are field replaceable and field rotatable in 90° increments. Quick-disconnects are provided above each panel for fast field replacement. All fixture optical options will provide a "UO" no uplight optical package and a are dark sky friendly.

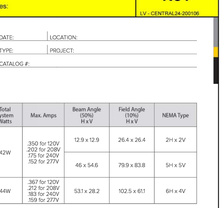
LED Emitters
LED thermal management is designed to maintain LED operating temperature below 90 °C, well below the manufacturers thermal max of 150 °C for long life, high lumen maintenance and color stabilit. High Power White LED's are driven between 350mA and 875mA for a maximum output of 2.5 Watts nominal. LED's are available in standard Warm White (2700K & 3000K), Neutral White (4000K), or Cool White (5000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Lumen Maintenance of LM of 60,000 hours (TM-21 calculation at Ta of Test Time).

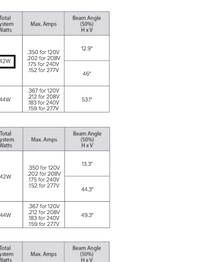
True Amber LED's TIA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-590nm. True Amber has negligible blue light and is suitable for wildlife.

LED Driver
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. Screw terminal blocks facilitate wiring between the driver and optical areas. Drivers accept an input of 120-277V, 50/60Hz or 347-480V, 50/60Hz. 0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with a separate 20KV surge protector for field installation.

Finish
Super TGIC polyester powder coating is applied onto a metal substrate this has been preheated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.

RZR
(Models: RZR4, RZR, RZR-Q & RZR-MAF)





Fixture	A	B	C	D
RZR-Q	19" (483mm)	34.5" (876mm)	3" (76mm)	7" (178mm)
RZR	14.75" (375mm)	28.25" (718mm)	2.75" (70mm)	6.5" (165mm)
RZRM	11.5" (292mm)	22" (559mm)	2.5" (64mm)	5.25" (133mm)
RZR-MAF	19" (483mm)	28.25" (718mm)	2.5" (64mm)	6" (152mm)

UL Listed for Wet Location

2024281

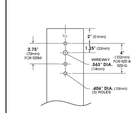
Submitted by Lighting Virginia-Central | **Job Name:** ALBEMARLE CO. REGIONAL JAIL SITE | **Catalog Number:** RZR/PLED-III-W/40LED-525MA/30K/UNV/1/XXX/HS-PLED/40 | Notes: | **Type:** V3-BC | LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING

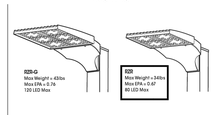
RAZAR SERIES - LED

SPECIFICATIONS

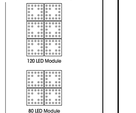
POLE DRILLING TEMPLATE



EPA & WEIGHT



PLED™ MODULES



SELECT FROM STD COLORS

ORDERING INFORMATION

Spec/Order Example: RZR/PLED-IV/80LED-700mA/CW/UNV/8010-S

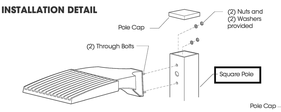
Luminaire	Optics	LED Mode		Voltage	Mounting	Finish	Options
Luminaire	Optics	LED		Voltage	Mounting	Finish	Options
	PLED™ Optic Type	# of LEDs	Drive Current / Color Temp - CCT		Arm Mount	Standard Textured Finish	
☐ RZR-Q	☐ PLED-II	RZR-Q: ☐ 120LED ☐ 80LED	☐ 1400mA[1] ☐ 1225mA[1] ☐ 1050mA ☐ 875mA ☐ 700mA ☐ TBA True Amber	■ UNV (120-277) ☐ 347 ☐ 480	■ 1 ☐ 2-180 ☐ 2-90 ☐ 3-90 ☐ 3-120 ☐ 4-90	☐ Black 9005-T ☐ White 9003-T ☐ Grey 7004-T ☒ Dark Bronze 8019-T ☐ Green 6005-T	☐ Internal House Side Shield Ant. LED Count (Example: HS-PLED/80) HS-PLED /40
	☐ PLED-II-FR						☐ External Glare Shield 3 Sided 8064
	☐ PLED-II-MXL						☐ External Glare Shield 3 Sided Short Wedge 8083W
	☐ PLED-III						☐ Round Pole Adapter RPA
☐ RZR ☐ RZR-MAF	■ PLED-III-W	RZR / RZR-MAF: ☐ 80LED ■ 40LED	Consult Factory for Other LED Color, CCT, & CRI Options		Wall Mount	Premium Finishes	☐ Twist Lock Receptacle Only TPR
	☐ PLED-IV				☐ WM - Wall Mount (Includes mounting bracket and cover)	☐ Rust ☐ Patina Copper PC	☐ 7-Pin Twist Lock Receptacle Only T7PR
	☐ PLED-IV-T						☐ High/Low Dimming for Ballast by Others/Select Levels 50/100 or 25/100 (Example: HLDK/50) HLDK
	☐ PLED-V/50-N						☐ Twist Lock Photocell + Voltage (Example: TPC3kV) TPC+V
☐ RZRM	☐ PLED-V/50-M	RZRM: ☐ 40LED ☐ 24LED	notes: 1 - 1400mA & 1225mA drive currents are 525mA drive current. 2 - TBA available in 350mA & 525mA drive currents only.		For smooth finish replace suffix "T" with suffix "S" (Example: 7004S) Consult factory for custom colors		☐ Photo Cell + Voltage (Example: PC+3kV) PC+V
	☐ PLED-V/50-W						☐ Single Fuse (120V, 277V) SF
	☐ PLED-V/50-W		Consult Factory for Other Drive Currents				☐ Double Fuse (208V, 240V) DF
							☐ Blue-Tooth Programmable Photo/Motion Sensor (Fields - Motion 150/120, Photo 7fc) MS-F311

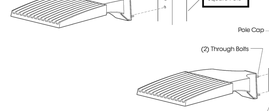
Submitted by Lighting Virginia-Central | **Job Name:** ALBEMARLE CO. REGIONAL JAIL SITE | **Catalog Number:** RZR/PLED-III-W/40LED-525MA/30K/UNV/1/XXX/HS-PLED/40 | Notes: | **Type:** V3-BC | LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING

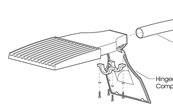
RAZAR SERIES - LED

INSTALLATION DETAIL

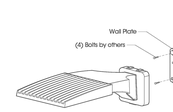




RZR Installation



RZR-MAF Installation

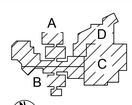


RZR-WM Installation

MOSELEY ARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

LIGHTING VIRGINIA

Prepared by:
LIGHTING VIRGINIA CENTRAL
400G-2 Southlake Blvd.
Richmond, VA 23236
Tel: 804-379-7777
www.lightingvirginia.com



KEY PLAN

ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 123456	
DATE:	DEC 20, 2024
REVISIONS	
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD
LIGHTING CUTSHEETS

9 OF 16

S:\305\62567-ACR\JDWG\Sheet\ARB\62567-LA-LUMN.dwg | Plotted on 12/20/2024 2:12 PM | by Ryan Voss

Submitted by Lighting Virginia-Central

Job Name: ALBEMARLE CO. REGIONAL JAIL SITE

Catalog Number: RZR/PLED-III-W/40LED-525MA/30K/UNV/1/XXX/HS-PLED/40

Notes:

Type: V3-BC

LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING — RAZAR SERIES - LED

ELECTRICAL DATA GUIDE - AMPERAGE CHART

ELECTRICAL LOAD			CURRENT (Amps)				
# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
24	350	26	0.21	0.12	0.09	0.07	0.05
24	525	39	0.32	0.19	0.14	0.11	0.08
24	700	52	0.43	0.25	0.19	0.15	0.11
24	875	67	0.55	0.32	0.24	0.19	0.14
24	1050	81	0.67	0.39	0.29	0.23	0.17
48	350	52	0.43	0.25	0.19	0.15	0.11
48	525	78	0.65	0.37	0.28	0.22	0.16
48	700	104	0.87	0.50	0.38	0.30	0.22
48	875	133	1.11	0.64	0.48	0.38	0.28
48	1050	162	1.35	0.78	0.58	0.47	0.34
40	350	43	0.36	0.21	0.15	0.12	0.09
40	525	65	0.54	0.31	0.23	0.19	0.14
40	700	87	0.72	0.42	0.31	0.25	0.18
40	875	111	0.92	0.53	0.40	0.32	0.23
40	1050	135	1.12	0.65	0.49	0.39	0.28
40	1225	159	1.32	0.76	0.57	0.46	0.33
40	1400	183	1.53	0.88	0.66	0.53	0.38
80	350	86	0.72	0.41	0.31	0.25	0.18
80	525	130	1.08	0.62	0.47	0.37	0.27
80	700	174	1.45	0.83	0.63	0.50	0.36
80	875	222	1.85	1.06	0.80	0.64	0.46
80	1050	270	2.25	1.30	0.97	0.78	0.56
80	1225	318	2.65	1.53	1.15	0.92	0.66
80	1400	366	3.05	1.76	1.32	1.06	0.76
120	350	129	1.07	0.62	0.46	0.37	0.27
120	525	195	1.62	0.94	0.70	0.56	0.41
120	700	260	2.17	1.25	0.94	0.75	0.54
120	875	332	2.77	1.60	1.20	0.96	0.69
120	1050	404	3.37	1.94	1.46	1.17	0.84
120	1225	477	3.97	2.29	1.72	1.37	0.99
120	1400	549	4.58	2.64	1.98	1.58	1.14

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED LUMEN MAINTENANCE (350mA to 1050mA)		
LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000	L96	0.96x
100,000 (6X LED Test Hrs)	L93	0.93x
150,000 (Theoretical)	L89	0.90x
200,000 (Theoretical)	L86	0.87x

TM-21 6x Test Time Dicatates that L93 > 100,000 Hours.

LED LUMEN MAINTENANCE (1225mA & 1400mA)		
LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000	L93	0.93x
100,000 (6X LED Test Hrs)	L89	0.89x
150,000 (Theoretical)	L84	0.84x
200,000 (Theoretical)	L80	0.80x

TM-21 6x Test Time Dicatates that L93 > 100,000 Hours.
Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

U.S. Pole Company Inc. An Employee Owned Company | 660 West Avenue O, Palmdale, CA 93551 Phone (661) 233-2000 www.usaltg.com — MADE IN THE USA | 6

Submitted On: Dec 18, 2024 4/6 Index Page

Submitted by Lighting Virginia-Central

Job Name: ALBEMARLE CO. REGIONAL JAIL SITE

Catalog Number: RZR/PLED-III-W/40LED-525MA/30K/UNV/1/XXX/HS-PLED/40

Notes:

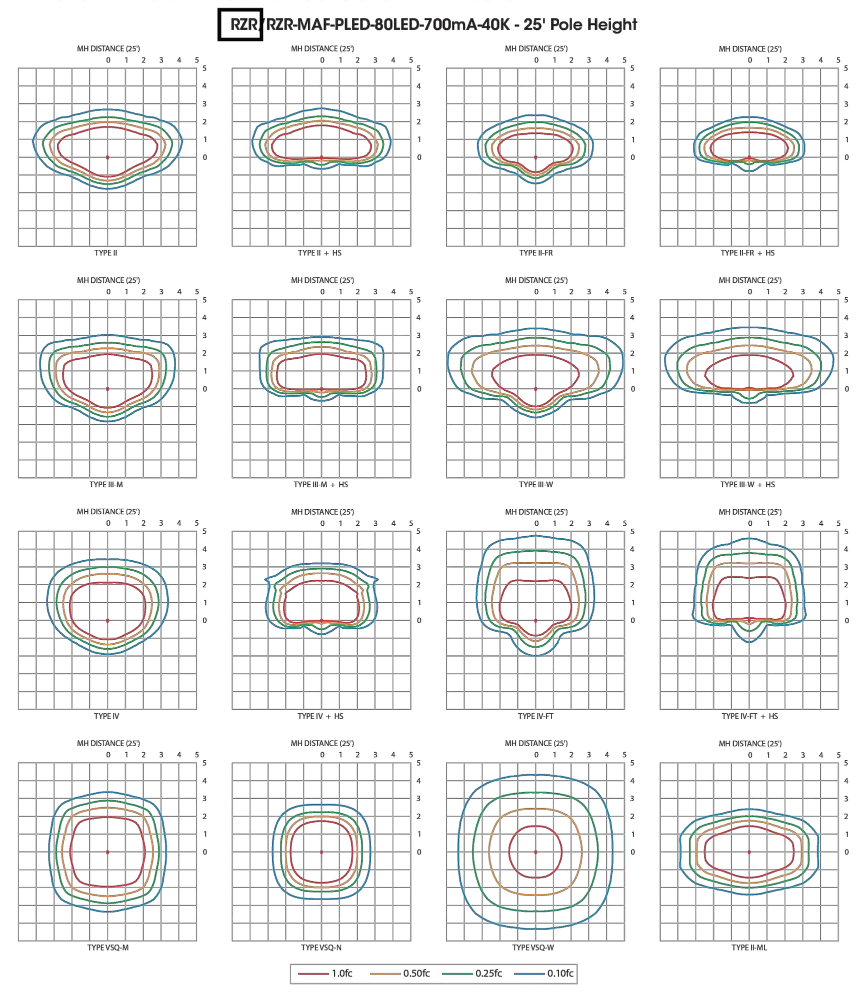
Type: V3-BC

LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING — RAZAR SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

RZR / RZR-MAF-PLED-80LED-700mA-40K - 25' Pole Height



IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

U.S. Pole Company Inc. An Employee Owned Company | 660 West Avenue O, Palmdale, CA 93551 Phone (661) 233-2000 www.usaltg.com — MADE IN THE USA | 10

Submitted On: Dec 18, 2024 5/6 Index Page

Submitted by Lighting Virginia-Central

Job Name: ALBEMARLE CO. REGIONAL JAIL SITE

Catalog Number: RZR/PLED-III-W/40LED-525MA/30K/UNV/1/XXX/HS-PLED/40

Notes:

Type: V3-BC

LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING — RAZAR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

RZR / RZR-MAF-PLED

LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K LUMENS	27K LPW	27K BUG RATING	30K LUMENS	30K LPW	30K BUG RATING	40K LUMENS	40K LPW	40K BUG RATING	50K LUMENS	50K LPW	50K BUG RATING	TRA System Watts	TRA LUMENS	TRA LPW	TRA BUG RATING
40	350	42.9	II	6500	152	B2-U0-G2	6782	158	B2-U0-G2	7065	165	B2-U0-G2	7348	171	B2-U0-G2	33.0	2309	70	B1-U0-G1
			II-FR	6544	153	B2-U0-G1	6828	159	B2-U0-G1	7113	166	B2-U0-G1	7397	172	B2-U0-G1		2325	70	B1-U0-G0
			II-ML	6500	152	B3-U0-G3	6783	158	B3-U0-G3	7065	165	B3-U0-G3	7348	171	B3-U0-G3		2309	70	B1-U0-G1
			III-M	6614	154	B2-U0-G2	6901	161	B2-U0-G2	7189	168	B2-U0-G2	7476	174	B2-U0-G2		2349	71	B1-U0-G1
			III-W	6141	143	B1-U0-G2	6408	149	B1-U0-G2	6675	156	B1-U0-G2	6942	162	B1-U0-G2		2182	66	B1-U0-G1
			IV	6564	153	B2-U0-G2	6849	160	B2-U0-G2	7135	166	B2-U0-G2	7420	173	B2-U0-G2		2332	71	B1-U0-G1
			IV-FT	5979	139	B1-U0-G2	6239	145	B1-U0-G2	6499	152	B1-U0-G2	6759	158	B1-U0-G2		2124	64	B1-U0-G1
			VSQ-N	6860	160	B2-U0-G1	7159	167	B2-U0-G1	7457	174	B2-U0-G1	7755	181	B2-U0-G1		2438	74	B1-U0-G0
			VSQ-M	6727	157	B3-U0-G1	7020	164	B3-U0-G1	7313	170	B3-U0-G1	7605	177	B3-U0-G2		2390	72	B2-U0-G1
			VSQ-W	6567	153	B3-U0-G2	6852	160	B3-U0-G2	7138	166	B3-U0-G2	7423	173	B3-U0-G2		2333	71	B2-U0-G1
			II-HS	4754	111	B1-U0-G2	4961	116	B1-U0-G2	5167	120	B1-U0-G2	5374	125	B1-U0-G2		1689	51	B0-U0-G0
			II-FR-HS	4836	113	B0-U0-G1	5046	118	B0-U0-G1	5256	123	B0-U0-G1	5466	127	B0-U0-G1		1718	52	B0-U0-G0
			III-M-HS	4810	112	B0-U0-G2	5019	117	B0-U0-G2	5228	122	B0-U0-G2	5437	127	B0-U0-G2		1708	52	B0-U0-G1
			III-W-HS	4708	110	B0-U0-G2	4912	115	B0-U0-G2	5117	119	B0-U0-G2	5321	124	B0-U0-G2		1673	51	B0-U0-G1
			IV-HS	4968	116	B0-U0-G2	5184	121	B0-U0-G2	5400	126	B0-U0-G2	5616	131	B0-U0-G2		1764	53	B0-U0-G1
			IV-FT-HS	4695	109	B0-U0-G2	4899	114	B0-U0-G2	5103	119	B0-U0-G2	5307	124	B0-U0-G2		1668	51	B0-U0-G1
40	525	64.8	II	9340	144	B2-U0-G2	9746	150	B2-U0-G2	10152	157	B2-U0-G2	10559	163	B2-U0-G2	51.0	2715	53	B1-U0-G1
			II-FR	9403	145	B2-U0-G1	9812	151	B2-U0-G1	10221	158	B2-U0-G1	10630	164	B2-U0-G1		2733	54	B1-U0-G1
			II-ML	9341	144	B3-U0-G3	9747	150	B3-U0-G3	10153	157	B3-U0-G3	10559	163	B3-U0-G3		2715	53	B1-U0-G1
			III-M	9504	147	B2-U0-G2	9917	153	B2-U0-G2	10330	159	B2-U0-G2	10743	166	B2-U0-G2		2762	54	B1-U0-G1
			III-W	8824	136	B2-U0-G3	9208	142	B2-U0-G3	9592	148	B2-U0-G3	9976	154	B2-U0-G3		2565	50	B1-U0-G1
			IV	9433	146	B2-U0-G2	9843	152	B2-U0-G2	10253	158	B2-U0-G2	10663	165	B2-U0-G2		2742	54	B1-U0-G1
			IV-FT	8592	133	B2-U0-G3	8966	138	B2-U0-G3	9340	144	B2-U0-G3	9713	150	B2-U0-G3		2497	49	B1-U0-G1
			VSQ-N	9858	152	B3-U0-G1	10287	159	B3-U0-G1	10716	165	B3-U0-G1	11144	172	B3-U0-G1		2866	56	B1-U0-G0
			VSQ-M	9667	149	B3-U0-G2	10088	156	B3-U0-G2	10508	162	B3-U0-G2	10928	169	B4-U0-G2		2809	55	B2-U0-G1
			VSQ-W	9436	146	B4-U0-G3	9846	152	B4-U0-G3	10257	158	B4-U0-G3	10667	165	B4-U0-G3		2743	54	B2-U0-G1
			II-HS	6831	105	B1-U0-G2	7128	110	B1-U0-G2	7425	115	B1-U0-G2	7722	119	B1-U0-G2		1985	39	B0-U0-G1
			II-FR-HS	6949	107	B1-U0-G1	7251	112	B1-U0-G1	7553	117	B1-U0-G1	7855	121	B1-U0-G1		2020	40	B0-U0-G0
			III-M-HS	6911	107	B0-U0-G2	7212	111	B0-U0-G2	7512	116	B1-U0-G2	7813	121	B1-U0-G2		2009	39	B0-U0-G1
			III-W-HS	6764	104	B0-U0-G2	7059	109	B0-U0-G2	7353	113	B0-U0-G2	7647	118	B0-U0-G2		1966	39	B0-U0-G1
			IV-HS	7138	110	B0-U0-G2	7449	115	B1-U0-G2	7759	120	B1-U0-G2	8069	125	B1-U0-G2		2075	41	B0-U0-G1
			IV-FT-HS	6746	104	B0-U0-G2	7040	109	B1-U0-G3	7333	113	B1-U0-G3	7626	118	B1-U0-G3		1960	38	B0-U0-G1
40	700	86.8	II	11823	136	B2-U0-G2	12337	142	B2-U0-G2	12851	148	B2-U0-G2	13365	154	B2-U0-G2	N/A	N/A		
			II-FR	11903	137	B3-U0-G1	12420	143	B3-U0-G1	12938	149	B3-U0-G1	13455	155	B3-U0-G1				
			II-ML	11824	136	B3-U0-G3	12338	142	B3-U0-G3	12852	148	B3-U0-G3	13366	154	B3-U0-G3				
			III-M	12030	139	B2-U0-G2	12553	145	B2-U0-G2	13076	151	B2-U0-G2	13599	157	B2-U0-G2				
			III-W	11170	129	B2-U0-G3	11656	134	B2-U0-G3	12142	140	B2-U0-G3	12627	145	B2-U0-G3				
			IV	11940	138	B2-U0-G2	12459	144	B2-U0-G2	12978	150	B2-U0-G2	13497	156	B2-U0-G2				
			IV-FT	10876	125	B2-U0-G3	11349	131	B2-U0-G3	11822	136	B2-U0-G3	12295	142	B2-U0-G3				
			VSQ-N	12479	144	B3-U0-G1	13022	150	B3-U0-G1	13564	156	B3-U0-G1	14107	163	B3-U0-G1				
			VSQ-M	12237	141	B4-U0-G2	12769	147	B4-U0-G2	13301	153	B4-U0-G2	13833	159	B4-U0-G2				
			VSQ-W	11945	138	B4-U0-G3	12464	144	B4-U0-G3	12983	150	B4-U0-G3	13502	156	B4-U0-G3				
			II-HS	8647	100	B1-U0-G2	9023	104	B1-U0-G2	9399	108	B1-U0-G2	9775	113	B1-U0-G2				
			II-FR-HS	8797	101	B1-U0-G1	9179	106	B1-U0-G1	9561	110	B1-U0-G1	9944	115	B1-U0-G1				
			III-M-HS	8749	101	B1-U0-G2	9129	105	B1-U0-G2	9510	110	B1-U0-G2	9890	114	B1-U0-G2				
			III-W-HS	8563	99	B1-U0-G2	8935	103	B1-U0-G3	9307	107	B1-U0-G3	9680	112	B1-U0-G3				
			IV-HS	9036	104	B1-U0-G2	9429	109	B1-U0-G2	9822	113	B1-U0-G2	10215	118	B1-U0-G2				
			IV-FT-HS	8540	98	B1-U0-G3	8911	103	B1-U0-G3	9282	107	B1-U0-G3	9653	111	B1-U0-G3				
40	875	110.8	II	14168	128	B2-U0-G2	14785	133	B3-U0-G2	15401	139	B3-U0-G2	16017	145	B3-U0-G2	N/A	N/A		
			II-FR	14264	129	B3-U0-G1	14884	134	B3-U0-G1	15504	140	B3-U0-G1	16125	146	B3-U0-G1				
			II-ML	14169	128	B3-U0-G3	14785	133	B4-U0-G4	15401	139	B4-U0-G4	16017	145	B4-U0-G4				
			III-M	14416	130	B3-U0-G3	15043	136	B3-U0-G3	15670	141	B3-U0-G3	16297	147	B3-U0-G3				
			III-W	13386	121	B2-U0-G3	13968	126	B2-U0-G3	14550	131	B2-U0-G3	15132	137	B2-U0-G3				
			IV	14309	129	B2-U0-G2	14931	135	B2-U0-G2	15553	140	B3-U0-G2	16175	146	B3-U0-G2				
			IV-FT	13034	118	B2-U0-G3	13601	123	B2-U0-G3	14167	128	B2-U0-G3	14734	133	B2-U0-G3				
			VSQ-N	14955	135	B3-U0-G1	15605	141	B3-U0-G1	16255	147	B4-U0-G1	16905	153	B4-U0-G1				
			VSQ-M	14665	132	B4-U0-G2	15302	138	B4-U0-G2	15940	144	B4-U0-G2	16578	150	B4-U0-G2				
			VSQ-W	14314	129	B4-U0-G3	14937	135	B4-U0-G3	15559	140	B4-U0-G3	16181	146	B4-U0-G3				
			II-HS	10363	94	B1-U0-G2	10813	98	B1-U0-G2	11264	102	B1-U0-G2	11714	106	B1-U0-G2				
			II-FR-HS	10541	95	B1-U0-G1	10999	99	B1-U0-G1	11458	103	B1-U0-G1	11916	108	B1-U0-G1				
			III-M-HS	10484	95	B1-U0-G2	10940	99	B1-U0-G2	11396	103	B1-U0-G3	11852	107	B1-U0-G3				
			III-W-HS	10262	93	B1-U0-G3	10708	97	B1-U0-G3	11154	101	B1-U0-G3	11600	105	B1-U0-G3				
			IV-HS	10828	98	B1-U0-G2	11299	102	B1-U0-G2	11770	106	B1-U0-G2	12241	110	B1-U0-G2				
			IV-FT-HS	10234	92	B1-U0-G3	10678	96	B1-U0-G3	11123	100	B1-U0-G3	11568	104	B1-U0-G3				
40	1050	134.8	II	16120	120	B3-U0-G3	16820	125	B3-U0-G3	17521	130	B3-U0-G3	18222	135	B3-U0-G3	N/A	N/A		
			II-FR	16228	120	B3-U0-G2	16934	126	B3-U0-G2	17639	131	B3-U0-G2	18345	136	B3-U0-G2				
			II-ML	16120	120	B4-U0-G4	16821	125	B4-U0-G4	17522	130	B4-U0-G4	18223	135	B4-U0-G4				
			III-M	16402	122	B3-U0-G3	17115	127	B3-U0-G3	17828	132	B3-U0-G3	18541	138	B3-U0-G3				
			III-W	15229	113	B2-U0-G3	15891	118	B3-U0-G3	16554	123	B3-U0-G3	17216	128	B3-U0-G3				
			IV	16279	121	B3-U0-G3	16987	126	B3-U0-G3	17694	131	B3-U0-G3	18402	137	B3-U0-G3				
			IV-FT	14829	110	B2-U0-G3	15474	115	B3-U0-G4	16118	120	B3-U0-G4	16763	124	B3-U0-G4				
			VSQ-N	17014	126	B4-U0-G2	17754	132	B4-U0-G2	18494	137	B4-U0-G2	19233	143	B4-U0-G2				
			VSQ-M	16684	124	B4-U0-G2	17410	129	B4-U0-G2	18135	135	B4-U0-G2	18861	140	B4-U0-G2				
			VSQ-W	16285	121	B4-U0-G3	16993	126	B5-U0-G3	17701	131	B5-U0-G3	18409	137	B5-U0-G3				
			II-HS	11789	87	B1-U0-G2	12302	91	B1-U0-G2	12814	95	B1-U0-G2	13327	99	B1-U0-G2				
			II-FR-HS	11993	89	B1-U0-G2	12514	93	B1-U0-G2	13035	97	B1-U0-G2	13557	101	B1-U0-G2				
			III-M-HS	11928	88	B1-U0-G3	12447	92	B1-U0-G3	12965	96	B1-U0-G3	13484	100	B1-U0-G3				
			III-W-HS	11674	87	B1-U0-G3	12182	90	B1-U0-G3	12690	94	B1-U0-G3	13197	98	B1-U0-G3				
			IV-HS	12319	91	B1-U0-G2	12855	95	B1-U0-G3	13391	99	B1-U0-G3	13926	103	B1-U0-G3				
			IV-FT-HS	11643	86	B1-U0-G3	12149	90	B1-U0-G3	12655	94	B1-U0-G3	13161	98	B1-U0-G3				

Column groups: 27K (2700K - 70CRI), 30K (3000K - 70CRI), 40K (4000K - 70CRI), 50K (5000K - 70CRI), TRA (590nm).

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

U.S. Pole Company Inc. An Employee Owned Company | 660 West Avenue O, Palmdale, CA 93551 Phone (661) 233-2000 www.usaltg.com — MADE IN THE USA | 11

Submitted On: Dec 18, 2024 6/6 Index Page

Submitted by Lighting Virginia-Central

Job Name: ALBEMARLE CO. REGIONAL JAIL SITE

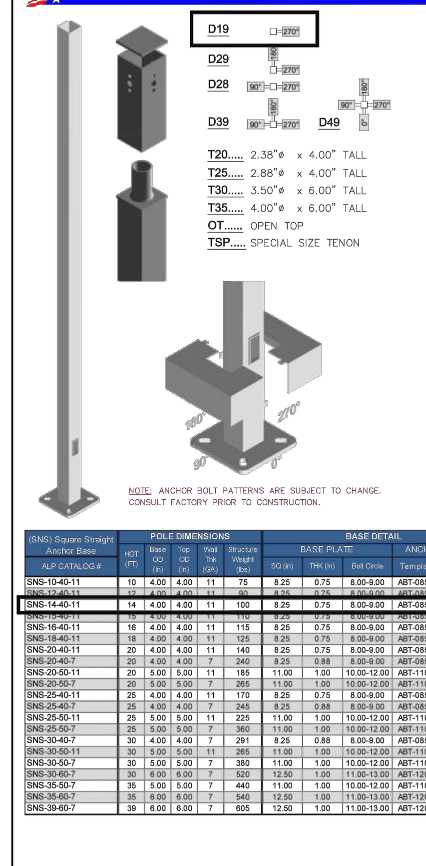
Catalog Number: SNS-12.5-40-11-AB-PC(XXX)-D19-BC

Notes:

Type: 12.5' POLES

LV - CENTRAL24-200106

American LitePole — SNS SQUARE NON-TAPERED STEEL



T20..... 2.38"ø x 4.00" TALL
T25..... 2.88"ø x 4.00" TALL
T30..... 3.50"ø x 6.00" TALL
T35..... 4.00"ø x 6.00" TALL
OT...... OPEN TOP
TSP..... SPECIAL SIZE TENON

PROJECT NAME:	TYPE:
QUOTE / ORDER No:	
APPROVED BY:	DATE:

SPECIFICATIONS

POLE SHAFT:
The pole shaft is fabricated from hot rolled commercial quality carbon steel of one piece construction with a minimum yield strngth of 55,000 psi.

BASE PLATE:
The base plate is fabricated from a structural quality hot rolles carbon steel plate that meets or exceeds ASTM A-36 with a minimum yield strength of 36,000 psi. The base plate telescopes the pole shaft and is circumferential welded top and bottom

BASE COVER:
The two-piece standard full base cover is fabricated from ABS plastic. Optional two-piece steel base cover also available.

ANCHOR BOLTS:
Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end in accordance with ASTM A-153.

HANDHOLE:
A reinforced hand hole, having a nominal opening of 2.5"x 5" or 3"x 5" will be installed 18" above the base plate. A hand hole cover with hardware will be included along with grounding provisions.

POLE TOP:
Each pole will be provided with a welded top plate and tenon or top cap for poles receiving drilling for side mount fixtures.

FINISH:
Standard color finishes shall be coated with TGIC polyester powder or hot dip galvanized to ASTM A-123 specifications.

(SNS) Square Straight Anchor Base ALP CATALOG #	HGT (FT)	Base OD (in)	Top OD (in)	Wall Thk (GA)	Structure Weight (lbs)	BASE PLATE SQ (in)	BASE PLATE THK (in)	Bolt Circle	ANCHOR BOLTS Template	Ø	L	80 MPH EPA	80 MPH WGT	90 MPH EPA	90 MPH WGT	100 MPH EPA	100 MPH WGT	110 MPH EPA	110 MPH WGT	120 MPH EPA	120 MPH WGT	130 MPH EPA	130 MPH WGT	140 MPH EPA	140 MPH WGT	150 MPH EPA	150 MPH WGT
SNS-10-40-11	10	4.00	4.00	11	75	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	30.6	765	23.8	595	18.9	473	15.0	375	12.2	305	10.0	250	8.4	210	7.1	178
SNS-12-40-11	12	4.00	4.00	11	90	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	24.4	610	18.8	470	14.8	370	11.5	288	9.3	233	7.5	188	6.2	155	5.0	125
SNS-14-40-11	14	4.00	4.00	11	100	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	19.9	498	15.1	378	11.7	293	9.1	228	7.1	180	5.6	140	4.4	110	3.4	85
SNS-15-40-11	15	4.00	4.00	11	110	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	17.2	430	13.2	330	10.0	250	8.0	200	6.2	155	4.8	120	3.7	93	2.7	68
SNS-16-40-11	16	4.00	4.00	11	115	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	15.9	398	11.8	295	8.9	223	6.8	170	5.2	130	3.9	98	2.9	73	1.9	48
SNS-18-40-11	18	4.00	4.00	11	125	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	12.6	315	9.2	230	6.5	168	5.0	125	3.6	90	2.1	60	1.3	33	-	-
SNS-20-40-11	20	4.00	4.00	11	140	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	9.6	240	6.7	167	4.5	150	3.5	88	2.0	50	0.8	20	-	-	-	-
SNS-20-40-7	20	4.00	4.00	7	240	8.25	0.88	8.00-9.00	ABT-085-4	0.75	17	15.0	375	11.0	275	9.0	225	7.6	190	5.8	145	4.5	113	3.4	85	2.5	63
SNS-20-50-11	20	5.00	5.00	11	185	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	17.7	443	12.7	343	9.4	235	7.0	175	5.0	125	3.5	88	2.2	55	0.9	25
SNS-20-50-7	20	5.00	5.00	7	265	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	28.1	703	21.4	535	16.2	405	12.3	308	9.5	235	7.3	183	5.6	140	4.2	105
SNS-25-40-11	25	4.00	4.00	11	170	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	4.8	150	2.6	100	1.0	50	-	-	-	-	-	-	-	-	-	-
SNS-25-40-7	25	4.00	4.00	7	245	8.25	0.88	8.00-9.00	ABT-085-4	0.75	17	10.8	270	7.7	188	5.4	435	3.9	100	2.6	65	1.6	40	0.8	20	0.2	5
SNS-25-50-11	25	5.00	5.00	11	225	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	9.8	245	6.3	157	3.7	150	2.5	63	0.7	18	-	-	-	-	-	-
SNS-25-50-7	25	5.00	5.00	7	360	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	18.5	463	13.3	333	9.5	238	6.6	165	4.5	113	2.9	75	1.4	35	-	-
SNS-30-40-7	30	4.00	4.00	7	291	8.25	0.88	8.00-9.00	ABT-085-4	0.75	17	6.7	168	4.4	110	2.6	65	1.4	35	0.4	10	-	-	-	-	-	-
SNS-30-50-11	30	5.00	5.00	11	265	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	4.7	150	2.0	50	-	-	-	-	-	-	-	-	-	-	-	-
SNS-30-50-7	30	5.00	5.00	7	380	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	10.7	267	6.7	167	3.9	100	2.5	63	0.3	10	-	-	-	-	-	-
SNS-30-60-7	30	6.00	6.00	7	520	12.50	1.00	11.00-13.00	ABT-120-4	1.00	36	19.0	475	13.2	330	9.0	225	6.0	150	3.6	90	1.3	33	-	-	-	-
SNS-35-50-7	35	5.00	5.00	7	440	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	5.9	150	2.5	100	-	-	-	-	-	-	-	-	-	-	-	-
SNS-35-60-7	35	6.00	6.00	7	540	12.50	1.00	11.00-13.00	ABT-120-4	1.00	36	12.4	310	7.6	190	4.2	105	1.2	30	-	-	-	-	-	-	-	-
SNS-39-60-7	39	6.00	6.00	7	605	12.50	1.00	11.00-13.00	ABT-120-4	1.00	36	7.2	180	3.0	75	-	-	-	-	-	-	-	-	-	-	-	-

ALLOWABLE MAX EPA¹ & WEIGHT (lbs)

ORDERING CODE	CATALOG No.	BASE	FINISH	FIXTURE MOUNT	BASE COVER	OPTIONS	OPTIONS
	SNS-12.5-40-11	AB	PC(XXX)	D19	BC		
		AB–ANCHOR BOLT; LAB–LESS ANCHOR BOLTS	DB–DARK BRONZE; MB–MEDIUM BRONZE; WH–WHITE; BL–BLACK; LG–LIGHT GRAY; SM–SILVER METALLIC; SL–SILVER; HG–HUNTER GREEN; RD–RED; G–GALVANIZED; GPXX–PAINTED OVER GALV	D19; D28; D29; D32; D39; D49; T20; T25; T30; T35; OT; TSP–ADVISE; TC– TOP CAP ONLY	BC–PLASTIC (STD); BCS–STEEL; BCA–ALUMINUM; NC–NUT COVERS	XHH–EXTRA HANDHOLE; FES–FESTOON (GFI BY OTHERS); DMP–VIBRATION DAMPER; CP50–.50" COUPLING; CP75–.75" COUPLING; CP10–1.00" COUPLING; CP20–2.00" COUPLING; NP50–.50" NIPPLE; NP75–.75" NIPPLE; NP10–1.00" NIPPLE; MBP–MODIFIED BASE PLATE	

14' POLE CUT TO 12.5' FOR MTG ON 2.5' BASE - BASE BY OTHERS TOTAL MTG HGT TO LIGHT CTR IS 15' AFG

PAINTED TO MATCH FIXTURE FINISH - VERIFY

AMERICAN LITE POLE 2800 S. HULEN, SUITE 200 – FORT WORTH, TX 76109 866-474-7200 WWW.ALPPOLES.COM

Submitted On: Dec 18, 2024 1/2 Index Page

Submitted by Lighting Virginia-Central

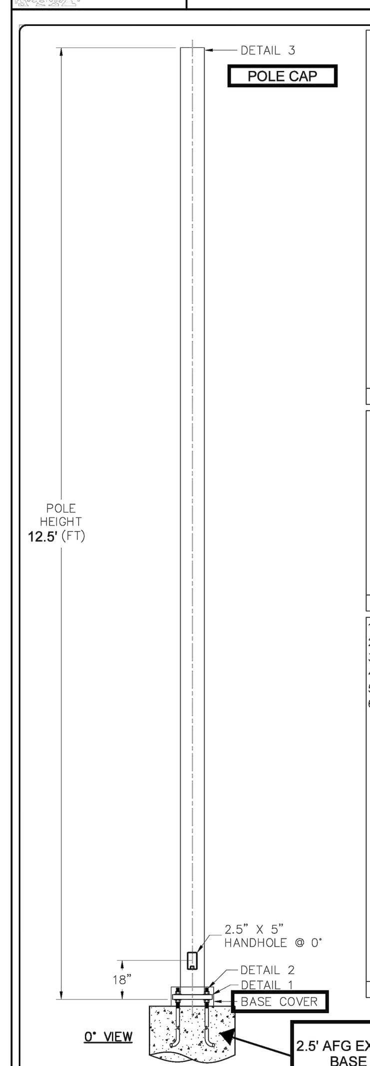
Job Name: ALBEMARLE CO. REGIONAL JAIL SITE

Catalog Number: SNS-12.5-40-11-AB-PC(XXX)-D19-BC

Notes:

Type: 12.5' POLES

LV - CENTRAL24-200106



DETAIL 3 — POLE TOP:
T20R (2.38" OD X 4" TALL)
T25R (2.88" OD X 4" TALL)
T30R (3.50" OD X 6" TALL)
DM19 (checked), DM28, DM29, DM39, DM49
BASE HANDHOLE ON 0° ORIENTATION.

DETAIL 1 — BASE PLATE:
For Reference Only - Not for Construction
8.00"–9.00" BOLT CIRCLE; 8.25" SQR; .88"ø SLOTTED BOLT HOLE (X4); FATIGUE RESISTANT BELL SHAPED BASE; .75"

14' POLE CUT TO 12.5' FOR MTG ON 2.5' BASE - BY OTHERS TOTAL MTG HGT TO LIGHT CTR IS 15' AFG

PAINTED TO MATCH FIXTURE FINISH

DRILLED SINGLE

DETAIL 2 — ANCHOR BOLT:
ANCHOR BOLT TEMPLATE # ABT-085-4; .75"; HEX NUT & WASHER (X2); A.B. PROJECTION 4.00"; 17.00"; 3.00"

1) HARDWARE TO BE GALVANIZED TO: ASTM A153
2) ANCHOR BOLTS SHALL BE FULLY GALVANIZED PER ASTM A153.
3) ALL WELDING TO CONFORM TO: AWS D1.1 MOST RECENT EDITION.
4) FABRICATION MEETS AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) QUALITY CERTIFICATION.
5) PROVISIONS FOR GROUNDING LOCATED AT BASE HAND HOLE.
6) VIBRATION DISCLAIMER: ALTHOUGH RARE, VIBRATIONS SEVERE ENOUGH TO CAUSE DAMAGE CAN OCCASIONALLY OCCUR IN STRUCTURES OF ALL TYPES. BECAUSE THEY ARE INFLUENCED BY MANY INTERACTING VARIABLES, VIBRATIONS ARE GENERALLY UNPREDICTABLE. THE USERS MAINTENANCE PROGRAM SHOULD INCLUDE OBSERVATION FOR EXCESSIVE VIBRATION AND EXAMINATION FOR ANY STRUCTURAL DAMAGE. ALP WARRANTY EXCLUDES FATIGUE FAILURE OR SIMILAR PHENOMENA RESULTING FROM INDUCED VIBRATION, HARMONIC OSCILLATION OR RESONANCE ASSOCIATED WITH MOVEMENT OF AIR CURRENTS AROUND THE POLE.

LOADING DATA								
DESIGN CRITERIA:	COMMERCIAL STANDARD							
WIND SPEED (mph) 1.3 GUST	80	90	100	110	120	130	140	150
EPA FT²	19.9	15.1	11.7	9.1	7.1	5.6	4.4	3.4
WEIGHT (lbs)	498	378	293	228	180	140	110	85

FINISH: TBD — POWDER COAT - DARK BRONZE

MATERIAL DATA	
COMPONENT	ASTM
POLE SHAFT	A500 GR. B
BASE PLATE	A36
ANCHOR BOLTS	F1554 GR.55
MISC. STEEL	A36

POLE DIMENSION DATA						
TYPE	DESIGN	POLE LENGTH (FT)	BASE DIA. (IN)	TOP DIA. (IN)	GAUGE OR THK (IN)	WEIGHT (LBS)
	SNS-12.5-40-11-AB	12.5	4.00	4.00	11-GA (.1196")	100

DETAIL — GENERAL NOTES

AMERICAN LITE POLE 2800 S. HULEN, SUITE 200 FORT WORTH, TX 76109 817-924-3682 PH. 817-924-7049 FAX

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DESCRIPTION: SQUARE STRAIGHT STEEL ANCHOR BASE 12.5' x 4.0" x 11 GA

DATE: 061014 DWG BY: BM SCALE: NTS CHKD BY: CKR DRAWING NUMBER: SNS-14-40-11-AB

Submitted On: Dec 18, 2024 2/2 Index Page

Submitted by Lighting Virginia-Central

Job Name: ALBEMARLE CO. REGIONAL JAIL SITE

Catalog Number: RZR/PLED-V-SQ-M/80LED-350MA/30K/UNV/2-180/XXX

Notes:

Type: V5-BB

LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING

PROJECT NAME:
PROJECT TYPE:

AREA & ROADWAY LIGHTING — (2) FIXTURES @ 180 DEG.

RAZAR SERIES - LED
LOW PROFILE AREA LUMINAIRE

Optical Housing
Heavy cast aluminum assembly minimum wall thickness .188". LED Module mounting area is machined to within a 0.002" surface flatness variance for maximum surface contact and thermal conductivity from the LED modules to the radiating fins. Passive radiating fins above the LED Optics provide superior thermal management and long LED life. The optical and electrical compartments are integrated with the support arm to create one assembly. Cast and hinged driver compartment cover allows access to the drivers and wiring.

Electrical Housing w/ Integrated Arm
Heavy cast aluminum assembly with integral cooling ribs surrounding the electrical compartment and a flat surface on the top of the arm to accommodate a photocell receptacle. Solid barrier wall separates optical and electrical compartments. The optical compartment and electrical compartment with the integrated support arm combine to create one assembly. Minimum wall thickness is .188". Cast and hinged driver assembly cover is integrated with wiring compartment cover.

Mast Arm Fitter/Electrical Housing
Replaces standard Electrical Housing. Fits standard 2 3/8" O.D. horizontal tenon. Two (2) straps with two (2) bolts each encircle the lower half of the tenon. Upper half of the tenon rests on self-centering steps that position the angle of the luminaire at 0°, +1.5°, +1.5 or +3° up from the horizontal. All hardware is stainless steel.

PLED™ Optics
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side, maximizing usable light. Optional house side shields are available that cover each individual optic. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments. Quick-disconnects are provided above each panel for fast field replacement. All fixture optical options will provide a "U0" no uplight optical package and is are dark sky friendly.

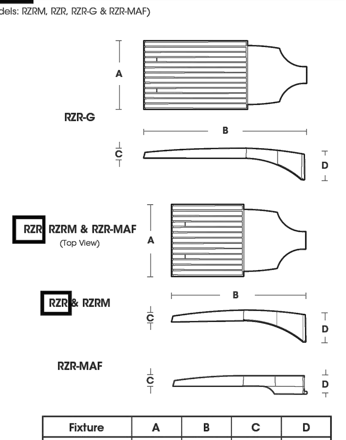
LED Emitters
LED thermal management is designed to maintain LED operating temperature below 90 °C, well below the manufacturers thermal max of 150 °C for long life, high lumen maintenance and color stabilit. High Power White LED's are driven between 350mA and 875mA for a maximum output of 2.5 Watts nominal. LED's are available in standard Warm White (2700K & 3000K), Neutral White (4000K), or Cool White (5000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Lumen Maintenance of L94 at 60,000 hours (TM-21 calculated at 6x Test Time).

True Amber LED's TRA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-590nm. True Amber has negligible blue light and is suitable for wildlife.

LED Driver
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50/60Hz. 0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with a separate 20KV surge protector for field installation.

Finish
Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.





Fixture	A	B	C	D
RZR-G	15" 381mm	36.5" 927mm	3" 76mm	7" 187mm
RZR	14.75" 375mm	28.25" 718mm	2.75" 70mm	6.5" 165mm
RZRM	11.5" 292mm	22" 559mm	2.5" 64mm	5.25" 133mm
RZR-MAF	15" 381mm	28.25" 724mm	2.5" 64mm	4" 102mm

U.L. Listed for Wet Location

2024281

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Submitted by Lighting Virginia-Central

Job Name: ALBEMARLE CO. REGIONAL JAIL SITE

Catalog Number: RZR/PLED-V-SQ-M/80LED-350MA/30K/UNV/2-180/XXX

Notes:

Type: V5-BB

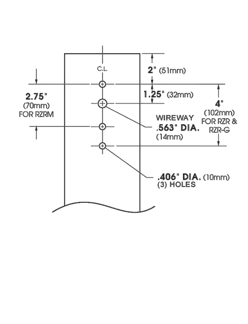
LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING — RAZAR SERIES - LED

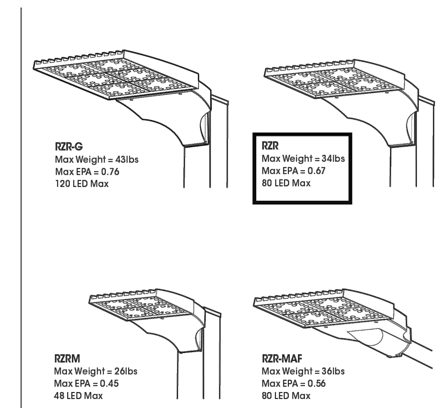
SPECIFICATIONS

(2) FIXTURES @ 180 DEG

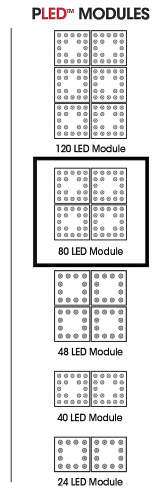
POLE DRILLING TEMPLATE



EPA & WEIGHT



PLED™ MODULES



SELECT FROM STD COLORS

ORDERING INFORMATION

Spec/Order Example: RZR/PLED-IV/80LED-700mA/CW/UNV/8019-S

Luminaire	Optics	LED Mode	Voltage	Mounting	Finish	Options
RZR	PLED-V-SQ-M	80LED-350MA/30K	UNV	2-180	XXX	

Luminaire: RZR-G; RZR (checked); RZR-MAF; RZRM

Optics — PLED™ Distribution Type: PLED-II; PLED-II-FR; PLED-II-MIL; PLED-III; PLED-III-W; PLED-IV; PLED-IV-FT; PLED-VSQ-N; PLED-V-SQ-M (checked); PLED-V-SQ-W

LED — # of LEDs: RZR-G: 120LED, 80LED; RZR / RZR-MAF: 80LED (checked), 40LED; RZRM: 48LED, 24LED. Drive Current: 1400mA¹, 1225mA¹, 1050mA, 875mA, 700mA, 525mA, 350mA (checked). Color Temp - CCT: 27K (2700K), 30K (3000K) (checked), 40K (4000K), 50K (5000K), TRA True Amber. Consult Factory for Other LED Color, CCT, & CRI Options.
NOTES: 1 - 1400mA & 1225mA drive currents not available in RZRM. 2 - TRA available in 350mA & 525mA drive currents only.
Consult Factory for Other Drive Currents

Voltage: UNV (120-277) (checked); 347; 480

Mounting — Arm Mount: 1; 2-180 (checked); 2-90; 3-90; 3-120; 4-90. Wall Mount: WM. WM - Wall Mount provided with mounting bracket and cover.

Finish — Standard Textured Finish: Black 9005-T; White 9003-T; Grey 7004-T; Dark Bronze 8019-T (marked X); Green 6005-T. Premium Finishes: Rust; Patina Copper PC. For smooth finish replace suffix "T" with suffix "S" (Example: 9500-S). Consult factor for custom colors.

Options:
Internal House Side Shield inc. LED Count (Example: HS-PLED/48) — HS-PLED /40
External Glare Shield 4 Sided — EGS4
External Glare Shield 3 Sided Rear Wedge — EGS3W
Round Pole Adapter — RPA
Twist Lock Receptacle Only — TPR
7-Pin Twist Lock Receptable Only — TPR7
High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) — HLSW
Twist Lock Photocell + Voltage (Example: TPC347V) — TPC+V
Photo Cell + Voltage (Example: PC120V) — PC+V
Single Fuse (120V, 277V) — SF
Double Fuse (208V, 240V) — DF
Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc) — MS-F311

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Job Name: ALBEMARLE CO. REGIONAL JAIL SITE

Catalog Number: RZR/PLED-V-SQ-M/80LED-350MA/30K/UNV/2-180/XXX

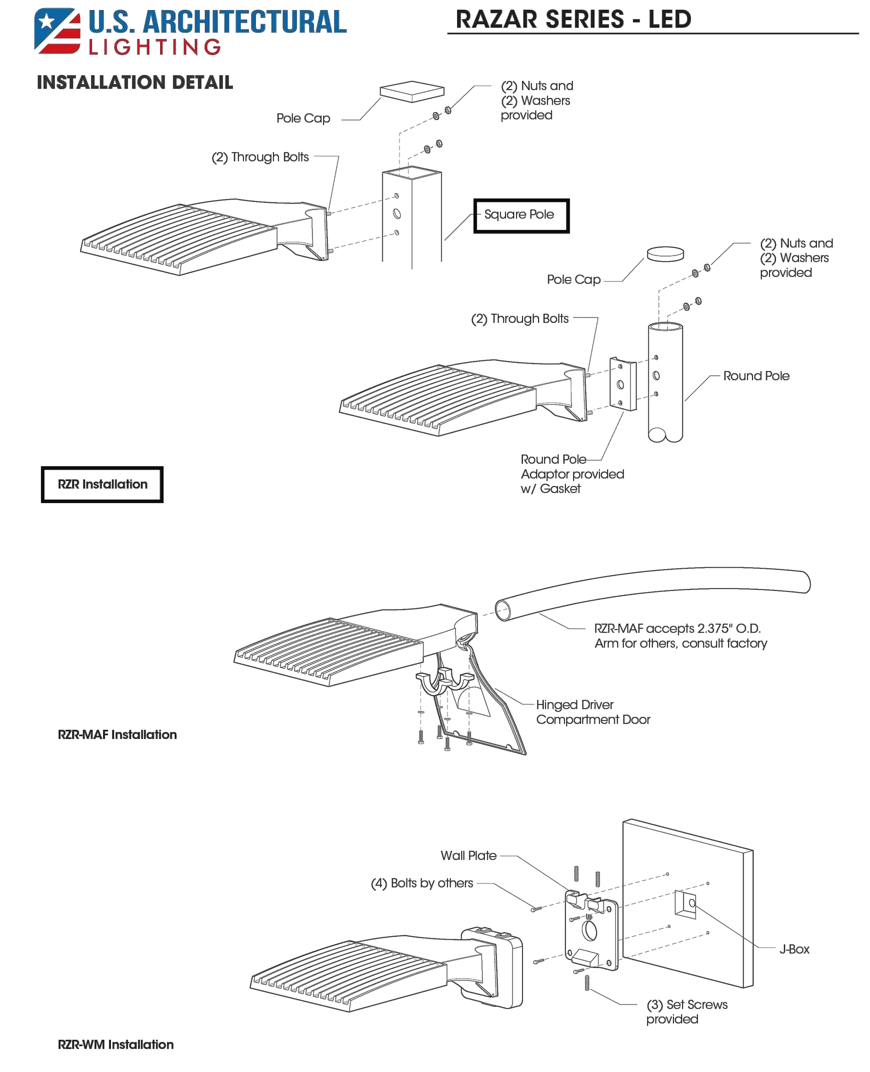
Notes:

Type: V5-BB

LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING — RAZAR SERIES - LED

INSTALLATION DETAIL



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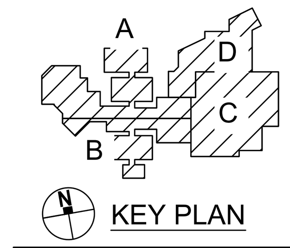
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MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

LIGHTING VIRGINIA

Prepared by:
LIGHTING VIRGINIA CENTRAL
400G-2 Southlake Blvd.
Richmond, VA 23236
Tel: 804-379-7777
www.lightingvirginia.com



ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 123456
DATE: DEC 20, 2024

REVISIONS	
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD

LIGHTING CUTSHEETS

S:\305\62567-ACRJ\DWG\Sheet\ARB\62567-LA-LUMN.dwg | Plotted on 12/20/2024 2:13 PM | by Ryan Voss

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Submitted by Lighting Virginia-Central

Job Name:	Catalog Number:	Type:
ALBEMARLE CO. REGIONAL JAIL SITE	RZR/PLED-V-SQ-M/80LED-350MA/30K/UNV/2-180/XXX Notes:	V5-BB LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING

RAZAR SERIES - LED

ELECTRICAL DATA GUIDE - AMPERAGE CHART

ELECTRICAL LOAD			CURRENT (Amps)				
# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
24	350	26	0.21	0.12	0.09	0.07	0.05
24	525	39	0.32	0.19	0.14	0.11	0.08
24	700	52	0.43	0.25	0.19	0.15	0.11
24	875	67	0.55	0.32	0.24	0.19	0.14
24	1050	81	0.67	0.39	0.29	0.23	0.17
48	350	52	0.43	0.25	0.19	0.15	0.11
48	525	78	0.65	0.37	0.28	0.22	0.16
48	700	104	0.87	0.50	0.38	0.30	0.22
48	875	133	1.11	0.64	0.48	0.38	0.28
48	1050	162	1.35	0.78	0.58	0.47	0.34
40	350	43	0.36	0.21	0.15	0.12	0.09
40	525	65	0.54	0.31	0.23	0.19	0.14
40	700	87	0.72	0.42	0.31	0.25	0.18
40	875	111	0.92	0.53	0.40	0.32	0.23
40	1050	135	1.12	0.65	0.49	0.39	0.28
40	1225	159	1.32	0.76	0.57	0.46	0.33
40	1400	183	1.53	0.88	0.66	0.53	0.38
80	350	86	0.72	0.41	0.31	0.25	0.18
80	525	130	1.08	0.62	0.47	0.37	0.27
80	700	174	1.45	0.83	0.63	0.50	0.36
80	875	222	1.85	1.06	0.80	0.64	0.46
80	1050	270	2.25	1.30	0.97	0.78	0.56
80	1225	318	2.65	1.53	1.15	0.92	0.66
80	1400	366	3.05	1.76	1.32	1.06	0.76
120	350	129	1.07	0.62	0.46	0.37	0.27
120	525	195	1.62	0.94	0.70	0.56	0.41
120	700	260	2.17	1.25	0.94	0.75	0.54
120	875	332	2.77	1.60	1.20	0.96	0.69
120	1050	404	3.37	1.94	1.46	1.17	0.84
120	1225	477	3.97	2.29	1.72	1.37	0.99
120	1400	549	4.58	2.64	1.98	1.58	1.14

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED LUMEN MAINTENANCE (350mA to 1050mA)		
LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000	L96	0.96x
100,000 (6X LED Test Hrs)	L93	0.93x
150,000 (Theoretical)	L89	0.90x
200,000 (Theoretical)	L86	0.87x

TM-21 6x Test Time Dicatates that L93 > 100,000 Hours.

LED LUMEN MAINTENANCE (1225mA & 1400mA)		
LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000	L93	0.93x
100,000 (6X LED Test Hrs)	L89	0.89x
150,000 (Theoretical)	L84	0.84x
200,000 (Theoretical)	L80	0.80x

TM-21 6x Test Time Dicatates that L93 > 100,000 Hours.
Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

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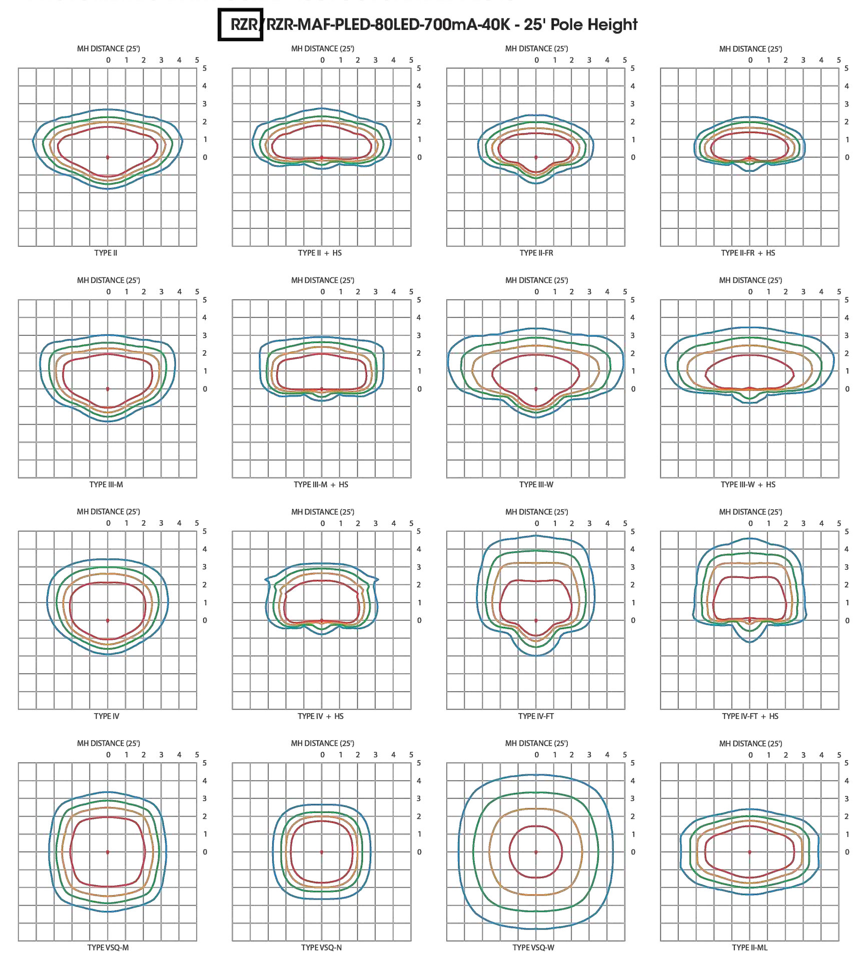
Job Name:	Catalog Number:	Type:
ALBEMARLE CO. REGIONAL JAIL SITE	RZR/PLED-V-SQ-M/80LED-350MA/30K/UNV/2-180/XXX Notes:	V5-BB LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING

RAZAR SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

RZR/RZR-MAF-PLED-80LED-700mA-40K - 25' Pole Height



IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

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Submitted by Lighting Virginia-Central

Job Name:	Catalog Number:	Type:
ALBEMARLE CO. REGIONAL JAIL SITE	RZR/PLED-V-SQ-M/80LED-350MA/30K/UNV/2-180/XXX Notes:	V5-BB LV - CENTRAL24-200106

U.S. ARCHITECTURAL LIGHTING

RAZAR SERIES - LED

PHOTOMETRIC GUIDE - LUMEN TABLES

RZR/RZR-MAF-PLED

LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI) LUMENS	LPW	BUG RATING	30K (3000K - 70CRI) LUMENS	LPW	BUG RATING	40K (4000K - 70CRI) LUMENS	LPW	BUG RATING	50K (5000K - 70CRI) LUMENS	LPW	BUG RATING	System Watts	TRA (590nm) LUMENS	LPW	BUG RATING
80	350	85.8	II	12597	147	B2-U0-G2	13145	153	B2-U0-G2	13692	160	B2-U0-G2	14240	166	B2-U0-G2	67.0	4475	67	B1-U0-G1
			II-FR	12681	148	B3-U0-G1	13233	154	B3-U0-G1	13784	161	B3-U0-G1	14335	167	B3-U0-G1		4504	67	B1-U0-G1
			II-ML	12597	147	B3-U0-G3	13145	153	B3-U0-G3	13693	160	B3-U0-G3	14241	166	B3-U0-G3		4475	67	B2-U0-G2
			III-M	12817	149	B2-U0-G2	13375	156	B2-U0-G2	13932	162	B2-U0-G2	14489	169	B2-U0-G2		4553	68	B1-U0-G1
			III-W	11901	139	B2-U0-G3	12418	145	B2-U0-G3	12936	151	B2-U0-G3	13453	157	B2-U0-G3		4228	63	B1-U0-G2
			IV	12721	148	B2-U0-G2	13274	155	B2-U0-G2	13827	161	B2-U0-G2	14380	168	B2-U0-G2		4518	67	B1-U0-G1
			IV-FT	11588	135	B2-U0-G3	12092	141	B2-U0-G3	12596	147	B2-U0-G3	13099	153	B2-U0-G3		4117	61	B1-U0-G1
			VSQ-N	13295	155	B3-U0-G1	13874	162	B3-U0-G1	14452	168	B3-U0-G1	15030	175	B3-U0-G1		4723	70	B2-U0-G1
			VSQ-M	13038	152	B4-U0-G2	13605	159	B4-U0-G2	14172	165	B4-U0-G2	14738	172	B4-U0-G2		4631	69	B3-U0-G1
			VSQ-W	12726	148	B4-U0-G3	13280	155	B4-U0-G3	13833	161	B4-U0-G3	14386	168	B4-U0-G3		4520	67	B3-U0-G2
			II-HS	9213	107	B1-U0-G2	9613	112	B1-U0-G2	10014	117	B1-U0-G2	10414	121	B1-U0-G2		3273	49	B0-U0-G1
			II-FR-HS	9371	109	B1-U0-G1	9779	114	B1-U0-G1	10186	119	B1-U0-G1	10594	123	B1-U0-G1		3329	50	B0-U0-G1
			III-M-HS	9321	109	B1-U0-G2	9726	113	B1-U0-G2	10131	118	B1-U0-G2	10536	123	B1-U0-G2		3311	49	B0-U0-G1
			III-W-HS	9123	106	B1-U0-G2	9520	111	B1-U0-G3	9916	116	B1-U0-G3	10313	120	B1-U0-G3		3240	48	B0-U0-G1
			IV-HS	9627	112	B1-U0-G2	10046	117	B1-U0-G2	10464	122	B1-U0-G2	10882	127	B1-U0-G2		3420	51	B0-U0-G1
			IV-FT-HS	9098	106	B1-U0-G3	9494	111	B1-U0-G3	9889	115	B1-U0-G3	10285	120	B1-U0-G3		3232	48	B0-U0-G2
80	525	129.7	II	18101	140	B3-U0-G3	18889	146	B3-U0-G3	19676	152	B3-U0-G3	20462	158	B3-U0-G3	101.0	5251	52	B1-U0-G1
			II-FR	18223	141	B3-U0-G2	19016	147	B3-U0-G2	19808	153	B3-U0-G2	20600	159	B3-U0-G2		5286	52	B1-U0-G1
			II-ML	18102	140	B4-U0-G4	18889	146	B4-U0-G4	19676	152	B4-U0-G4	20463	158	B4-U0-G4		5251	52	B2-U0-G2
			III-M	18418	142	B3-U0-G3	19219	148	B3-U0-G3	20020	154	B3-U0-G3	20821	161	B3-U0-G3		5343	53	B1-U0-G2
			III-W	17101	132	B3-U0-G3	17845	138	B3-U0-G3	18589	143	B3-U0-G4	19332	149	B3-U0-G4		4961	49	B1-U0-G2
			IV	18280	141	B3-U0-G3	19075	147	B3-U0-G3	19869	153	B3-U0-G3	20664	159	B3-U0-G3		5302	52	B1-U0-G1
			IV-FT	16652	128	B3-U0-G4	17376	134	B3-U0-G4	18100	140	B3-U0-G4	18824	145	B3-U0-G4		4830	48	B1-U0-G2
			VSQ-N	19106	147	B4-U0-G2	19936	154	B4-U0-G2	20767	160	B4-U0-G2	21598	167	B4-U0-G2		5542	55	B2-U0-G1
			VSQ-M	18736	144	B4-U0-G2	19550	151	B4-U0-G2	20365	157	B4-U0-G2	21179	163	B5-U0-G3		5434	54	B3-U0-G1
			VSQ-W	18288	141	B5-U0-G3	19083	147	B5-U0-G3	19878	153	B5-U0-G3	20673	159	B5-U0-G3		5304	53	B3-U0-G2
			II-HS	13238	102	B1-U0-G3	13814	107	B1-U0-G3	14390	111	B1-U0-G3	14965	115	B1-U0-G3		3841	38	B0-U0-G1
			II-FR-HS	13467	104	B1-U0-G2	14052	108	B1-U0-G2	14638	113	B1-U0-G2	15223	117	B1-U0-G2		3906	39	B0-U0-G1
			III-M-HS	13393	103	B1-U0-G3	13976	108	B1-U0-G3	14558	112	B1-U0-G3	15140	117	B1-U0-G3		3885	38	B0-U0-G1
			III-W-HS	13110	101	B1-U0-G3	13679	105	B1-U0-G3	14250	110	B1-U0-G3	14820	114	B1-U0-G4		3803	38	B0-U0-G2
			IV-HS	13834	107	B1-U0-G3	14435	111	B1-U0-G3	15037	116	B1-U0-G3	15638	121	B1-U0-G3		4013	40	B0-U0-G1
			IV-FT-HS	13074	101	B1-U0-G3	13642	105	B1-U0-G3	14211	110	B1-U0-G4	14779	114	B1-U0-G4		3792	38	B0-U0-G2
80	700	173.5	II	22914	132	B3-U0-G3	23910	138	B3-U0-G3	24906	144	B3-U0-G3	25902	149	B3-U0-G3	N/A	N/A		
			II-FR	23068	133	B3-U0-G2	24070	139	B3-U0-G2	25073	145	B3-U0-G2	26076	150	B3-U0-G2				
			II-ML	22914	132	B4-U0-G4	23910	138	B4-U0-G4	24907	144	B4-U0-G4	25903	149	B4-U0-G4				
			III-M	23314	134	B3-U0-G3	24328	140	B3-U0-G4	25342	146	B3-U0-G4	26355	152	B3-U0-G4				
			III-W	21647	125	B3-U0-G4	22589	130	B3-U0-G4	23530	136	B3-U0-G4	24471	141	B3-U0-G4				
			IV	23139	133	B3-U0-G3	24145	139	B3-U0-G3	25152	145	B3-U0-G4	26158	151	B3-U0-G4				
			IV-FT	21079	121	B3-U0-G4	21995	127	B3-U0-G4	22911	132	B3-U0-G4	23828	137	B3-U0-G4				
			VSQ-N	24184	139	B4-U0-G2	25236	145	B4-U0-G2	26287	152	B4-U0-G2	27339	158	B5-U0-G2				
			VSQ-M	23716	137	B5-U0-G3	24747	143	B5-U0-G3	25778	149	B5-U0-G3	26809	155	B5-U0-G3				
			VSQ-W	23149	133	B5-U0-G4	24156	139	B5-U0-G4	25162	145	B5-U0-G4	26169	151	B5-U0-G4				
			II-HS	16758	97	B1-U0-G3	17486	101	B1-U0-G3	18215	105	B1-U0-G3	18944	109	B1-U0-G3				
			II-FR-HS	17046	98	B1-U0-G2	17788	103	B1-U0-G2	18529	107	B1-U0-G2	19270	111	B1-U0-G2				
			III-M-HS	16954	98	B1-U0-G3	17691	102	B1-U0-G4	18428	106	B1-U0-G4	19165	110	B1-U0-G4				
			III-W-HS	16595	96	B1-U0-G4	17316	100	B1-U0-G4	18038	104	B1-U0-G4	18759	108	B1-U0-G4				
			IV-HS	17511	101	B1-U0-G3	18272	105	B1-U0-G3	19034	110	B1-U0-G3	19795	114	B1-U0-G4				
			IV-FT-HS	16549	95	B1-U0-G4	17269	100	B1-U0-G4	17988	104	B1-U0-G4	18708	108	B1-U0-G4				
80	875	221.5	II	27459	124	B3-U0-G4	28653	129	B3-U0-G4	29847	135	B4-U0-G4	31040	140	B4-U0-G4	N/A	N/A		
			II-FR	27643	125	B3-U0-G2	28845	130	B4-U0-G2	30047	136	B4-U0-G2	31249	141	B4-U0-G2				
			II-ML	27460	124	B4-U0-G4	28654	129	B4-U0-G4	29848	135	B5-U0-G5	31042	140	B5-U0-G5				
			III-M	27939	126	B3-U0-G4	29154	132	B3-U0-G4	30369	137	B3-U0-G4	31584	143	B4-U0-G4				
			III-W	25942	117	B3-U0-G4	27070	122	B3-U0-G4	28198	127	B3-U0-G4	29326	132	B3-U0-G5				
			IV	27729	125	B3-U0-G4	28935	131	B3-U0-G4	30141	136	B3-U0-G4	31346	142	B4-U0-G4				
			IV-FT	25260	114	B3-U0-G5	26358	119	B3-U0-G5	27456	124	B3-U0-G5	28554	129	B3-U0-G5				
			VSQ-N	28982	131	B5-U0-G2	30242	137	B5-U0-G2	31502	142	B5-U0-G2	32762	148	B5-U0-G2				
			VSQ-M	28420	128	B5-U0-G3	29656	134	B5-U0-G3	30892	139	B5-U0-G3	32128	145	B5-U0-G4				
			VSQ-W	27742	125	B5-U0-G4	28948	131	B5-U0-G4	30154	136	B5-U0-G4	31360	142	B5-U0-G4				
			II-HS	20082	91	B1-U0-G4	20955	95	B2-U0-G4	21828	99	B2-U0-G4	22701	102	B2-U0-G4				
			II-FR-HS	20428	92	B1-U0-G2	21316	96	B1-U0-G2	22204	100	B1-U0-G2	23092	104	B1-U0-G2				
			III-M-HS	20317	92	B1-U0-G4	21200	96	B1-U0-G4	22084	100	B1-U0-G4	22967	104	B1-U0-G4				
			III-W-HS	19887	90	B1-U0-G4	20751	94	B1-U0-G4	21616	98	B1-U0-G4	22481	101	B1-U0-G4				
			IV-HS	20985	95	B1-U0-G4	21897	99	B1-U0-G4	22810	103	B1-U0-G4	23722	107	B1-U0-G4				
			IV-FT-HS	19832	90	B1-U0-G4	20695	93	B1-U0-G4	21557	97	B1-U0-G4	22419	101	B1-U0-G5				
80	1050	269.5	II	31240	116	B4-U0-G4	32598	121	B4-U0-G4	33957	126	B4-U0-G4	35315	131	B4-U0-G4	N/A	N/A		
			II-FR	31450	117	B4-U0-G2	32817	122	B4-U0-G2	34185	127	B4-U0-G2	35552	132	B4-U0-G2				
			II-ML	31241	116	B5-U0-G5	32600	121	B5-U0-G5	33958	126	B5-U0-G5	35317	131	B5-U0-G5				
			III-M	31787	118	B4-U0-G4	33169	123	B4-U0-G4	34551	128	B4-U0-G4	35933	133	B4-U0-G4				
			III-W	29514	110	B3-U0-G5	30797	114	B3-U0-G5	32080	119	B3-U0-G5	33364	124	B3-U0-G5				
			IV	31548	117	B4-U0-G4	32920	122	B4-U0-G4	34291	127	B4-U0-G4	35663	132	B4-U0-G4				
			IV-FT	28738	107	B3-U0-G5	29987	111	B3-U0-G5	31237	116	B3-U0-G5	32487	121	B3-U0-G5				
			VSQ-N	32973	122	B5-U0-G2	34406	128	B5-U0-G2	35840	133	B5-U0-G2	37274	138	B5-U0-G2				
			VSQ-M	32334	120	B5-U0-G4	33740	125	B5-U0-G4	35145	130	B5-U0-G4	36551	136	B5-U0-G4				
			VSQ-W	31561	117	B5-U0-G5	32934	122	B5-U0-G5	34306	127	B5-U0-G5	35678	132	B5-U0-G5				
			II-HS	22847	85	B2-U0-G4	23841	88	B2-U0-G4	24834	92	B2-U0-G4	25827	96	B2-U0-G4				
			II-FR-HS	23241	86	B1-U0-G2	24251	90	B1-U0-G2	25262	94	B1-U0-G2	26272	97	B2-U0-G2				
			III-M-HS	23115	86	B1-U0-G4	24120	89	B1-U0-G4	25125	93	B1-U0-G4	26130	97	B1-U0-G4				
			III-W-HS	22625	84	B1-U0-G4	23609	88	B1-U0-G5	24592	91	B1-U0-G5	25576	95	B1-U0-G5				
			IV-HS	23874	89	B1-U0-G4	24913	92	B1-U0-G4	25950	96	B1-U0-G4	26988	100	B1-U0-G4				
			IV-FT-HS	22563	84	B1-U0-G5	23545	87	B1-U0-G5	24525	91	B1-U0-G5	25506	95	B1-U0-G5				

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

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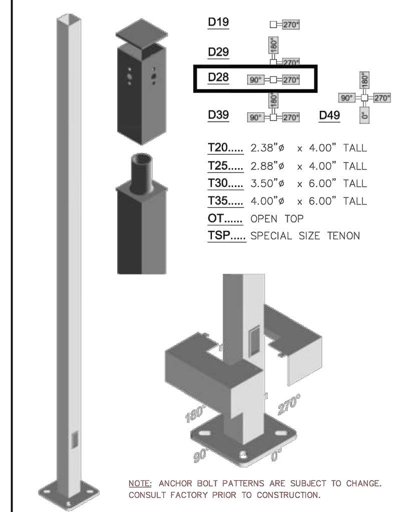
Submitted On: Dec 18, 2024 6/6 Index Page

Submitted by Lighting Virginia-Central

Job Name:	Catalog Number:	Type:
ALBEMARLE CO. REGIONAL JAIL SITE	SNS-17.5-40-11-AB-PC(XXX)-D28-BC Notes:	17.5' POLES LV - CENTRAL24-200106

American LitePole

SNS
SQUARE NON-TAPERED STEEL



T20..... 2.38"ø x 4.00" TALL
T25..... 2.88"ø x 4.00" TALL
T30..... 3.50"ø x 6.00" TALL
T35..... 4.00"ø x 6.00" TALL
OT...... OPEN TOP
TSP..... SPECIAL SIZE TENON

NOTE: ANCHOR BOLT PATTERNS ARE SUBJECT TO CHANGE. CONSULT FACTORY PRIOR TO CONSTRUCTION.

PROJECT NAME:	TYPE:
QUOTE / ORDER No:	
APPROVED BY:	DATE:

SPECIFICATIONS

POLE SHAFT:
The pole shaft is fabricated from hot rolled commercial quality carbon steel of one piece construction with a minimum yield strngth of 55,000 psi.

BASE PLATE:
The base plate is fabricated from a structural quality hot rolles carbon steel plate that meets or exceeds ASTM A-36 with a minimum yield strength of 36,000 psi. The base plate telescopes the pole shaft and is circumferential welded top and bottom

BASE COVER:
The two-piece standard full base cover is fabricated from ABS plastic. Optional two-piece steel base cover also available.

ANCHOR BOLTS:
Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end in accordance with ASTM A-153.

HANDHOLE:
A reinforced hand hole, having a nominal opening of 2.5"x 5" or 3"x 5" will be installed 18" above the base plate. A hand hole cover with hardware will be included along with grounding provisions.

POLE TOP:
Each pole will be provided with a welded top plate and tenon or top cap for poles receiving drilling for side mount fixtures.

FINISH:
Standard color finishes shall be coated with TGIC polyester powder or hot dip galvanized to ASTM A-123 specifications.

(SNS) Square Straight Anchor Base	POLE DIMENSIONS					BASE DETAIL						ALLOWABLE MAX EPA² & WEIGHT (lbs)															
						BASE PLATE			ANCHOR BOLTS			80 MPH		90 MPH		100 MPH		110 MPH		120 MPH		130 MPH		140 MPH		150 MPH	
ALP CATALOG #	HGT (FT)	Base OD (in)	Top OD (in)	Wall Thk (GA)	Structure Weight (lbs)	SQ (in)	THK (in)	Bolt Circle	Template	Ø	L	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT
SNS-10-40-11	10	4.00	4.00	11	75	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	30.6	765	23.8	595	18.9	473	15.0	375	12.2	305	10.0	250	8.4	210	7.1	178
SNS-12-40-11	12	4.00	4.00	11	90	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	24.4	610	18.8	470	14.8	370	11.5	288	9.3	233	7.5	188	6.2	155	5.0	125
SNS-14-40-11	14	4.00	4.00	11	100	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	19.9	498	15.1	378	11.7	293	9.1	228	7.1	180	5.6	140	4.4	110	3.4	85
SNS-15-40-11	15	4.00	4.00	11	110	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	17.2	430	13.2	330	10.0	250	8.0	200	6.2	155	4.8	120	3.7	93	2.7	68
SNS-16-40-11	16	4.00	4.00	11	115	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	[illegible]	[illegible]	[illegible]	[illegible]	8.9	223	6.8	170	5.2	130	3.9	98	2.9	73	1.9	48
SNS-18-40-11	18	4.00	4.00	11	125	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	12.6	315	9.2	230	6.5	168	5.0	125	3.6	90	2.1	60	1.3	33	-	-
SNS-20-40-11	20	4.00	4.00	11	140	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	9.6	240	6.7	167	4.5	150	3.5	88	2.0	50	0.8	20	-	-	-	-
SNS-20-40-7	20	4.00	4.00	7	240	8.25	0.88	8.00-9.00	ABT-085-4	0.75	17	15.0	375	11.0	275	9.0	225	7.6	190	5.8	145	4.5	113	3.4	85	2.5	63
SNS-20-50-11	20	5.00	5.00	11	185	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	17.7	443	12.7	343	9.4	235	7.0	175	5.0	125	3.5	88	2.2	55	0.9	25
SNS-20-50-7	20	5.00	5.00	7	265	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	28.1	703	21.4	535	16.2	405	12.3	308	9.5	235	7.3	183	5.6	140	4.2	105
SNS-25-40-11	25	4.00	4.00	11	170	8.25	0.75	8.00-9.00	ABT-085-4	0.75	17	4.8	150	2.6	100	1.0	50	-	-	-	-	-	-	-	-	-	-
SNS-25-40-7	25	4.00	4.00	7	245	8.25	0.88	8.00-9.00	ABT-085-4	0.75	17	10.8	270	7.7	188	5.4	435	3.9	100	2.6	65	1.6	40	0.8	20	0.2	5
SNS-25-50-11	25	5.00	5.00	11	225	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	9.8	245	6.3	157	3.7	150	2.5	63	0.7	18	-	-	-	-	-	-
SNS-25-50-7	25	5.00	5.00	7	360	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	18.5	463	13.3	333	9.5	238	6.6	165	4.5	113	2.9	75	1.4	35	-	-
SNS-30-40-7	30	4.00	4.00	7	291	8.25	0.88	8.00-9.00	ABT-085-4	0.75	17	6.7	168	4.4	110	2.6	65	1.4	35	0.4	10	-	-	-	-	-	-
SNS-30-50-11	30	5.00	5.00	11	265	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	4.7	150	2.0	50	-	-	-	-	-	-	-	-	-	-	-	-
SNS-30-50-7	30	5.00	5.00	7	380	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	10.7	267	6.7	167	3.9	100	2.5	63	0.3	10	-	-	-	-	-	-
SNS-30-60-7	30	6.00	6.00	7	520	12.50	1.00	11.00-13.00	ABT-120-4	1.00	36	19.0	475	13.2	330	9.0	225	6.0	150	3.6	90	1.3	33	-	-	-	-
SNS-35-50-7	35	5.00	5.00	7	440	11.00	1.00	10.00-12.00	ABT-110-4	0.75	17	5.9	150	2.5	100	-	-	-	-	-	-	-	-	-	-	-	-
SNS-35-60-7	35	6.00	6.00	7	540	12.50	1.00	11.00-13.00	ABT-120-4	1.00	36	12.4	310	7.6	190	4.2	105	1.2	30	-	-	-	-	-	-	-	-
SNS-39-60-7	39	6.00	6.00	7	605	12.50	1.00	11.00-13.00	ABT-120-4	1.00	36	7.2	180	3.0	75	-	-	-	-	-	-	-	-	-	-	-	-

ORDERING CODE	CATALOG No.	BASE	FINISH	FIXTURE MOUNT	BASE COVER	OPTIONS	OPTIONS
	SNS-17.5-40-11	AB	PC(XXX)	D28	BC		

BASE: AB-ANCHOR BOLT; LAB-LESS ANCHOR BOLTS

FINISH: DB-DARK BRONZE; MB-MEDIUM BRONZE; WH-WHITE; BL-BLACK; LG-LIGHT GRAY; SM-SILVER METALLIC; SL-SILVER; HG-HUNTER GREEN; RD-RED; G-GALVANIZED; GPXX-PAINTED OVER GALV

FIXTURE MOUNT: D19; D28; D29; D32; D39; D49; T20; T25; T30; T35; OT; TSP-ADVISE; TC- TOP CAP ONLY

BASE COVER: BC-PLASTIC (STD); BCS-STEEL; BCA-ALUMINUM; NC-NUT COVERS

OPTIONS: XHH-EXTRA HANDHOLE; FES-FESTOON (GFI BY OTHERS); DMP-VIBRATION DAMPER; CP50-.50" COUPLING; CP75-.75" COUPLING; CP10-1.00" COUPLING; CP20-2.00" COUPLING; NP50-.50" NIPPLE; NP75-.75" NIPPLE; NP10-1.00" NIPPLE; MBP-MODIFIED BASE PLATE

18' POLE CUT TO 17.5' FOR MTG ON 2.5' BASE - BY OTHERS TOTAL MGT HGT TO LIGHT CTR IS 20' AFG

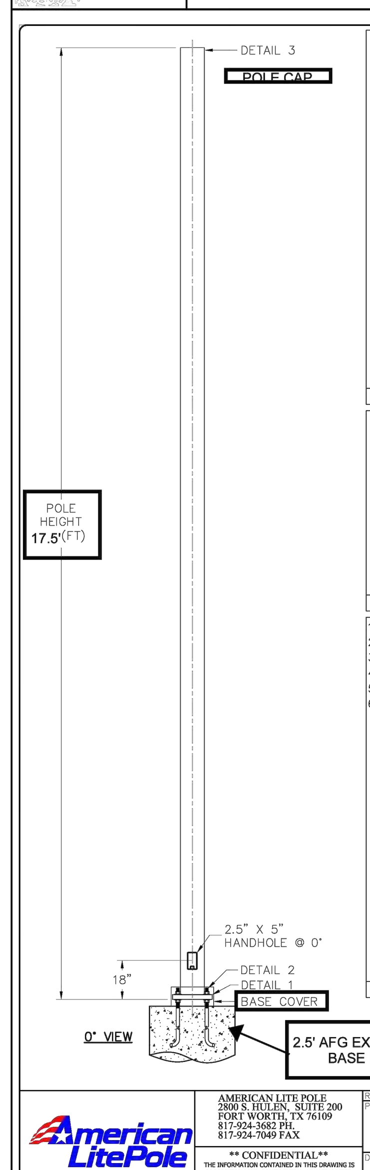
PAINTED TO MATCH FIXTURE FINISH - VERIFY COLOR

AMERICAN LITE POLE 2800 S. HULEN, SUITE 200 - FORT WORTH, TX 76109 866-474-7200 WWW.ALPPOLES.COM

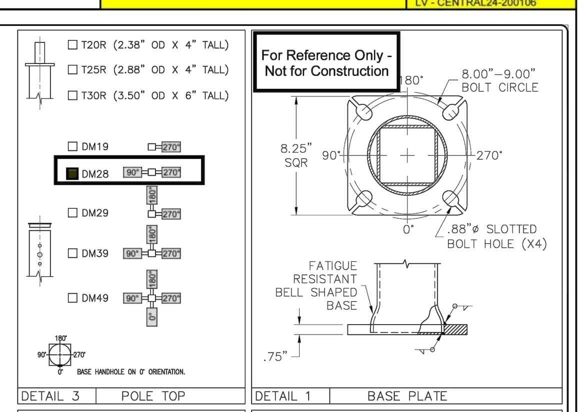
Submitted On: Dec 18, 2024 1/2 Index Page

Submitted by Lighting Virginia-Central

Job Name:	Catalog Number:	Type:
ALBEMARLE CO. REGIONAL JAIL SITE	SNS-17.5-40-11-AB-PC(XXX)-D28-BC Notes:	17.5' POLES LV - CENTRAL24-200106



2.5' AFG EXPOSED CONCRETE BASE IS BY OTHERS



18' POLE CUT TO 17.5' FOR MTG ON 2.5' BASE - BY OTHERS TOTAL MTG HGT TO FIXTURE LIGHT CTR IS 20' AFG

DRILLED 2 @ 180 DEG.

PAINTED TO MATCH FIXTURE FINISH

1) HARDWARE TO BE GALVANIZED TO: ASTM A153
2) ANCHOR BOLTS SHALL BE FULLY GALVANIZED PER ASTM A153.
3) ALL WELDING TO CONFORM TO: AWS D1.1 MOST RECENT EDITION.
4) FABRICATION MEETS AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) QUALITY CERTIFICATION.
5) PROVISIONS FOR GROUNDING LOCATED AT BASE HAND HOLE.
6) VIBRATION DISCLAIMER: ALTHOUGH RARE, VIBRATIONS SEVERE ENOUGH TO CAUSE DAMAGE CAN OCCASIONALLY OCCUR IN STRUCTURES OF ALL TYPES. BECAUSE THEY ARE INFLUENCED BY MANY INTERACTING VARIABLES, VIBRATIONS ARE GENERALLY UNPREDICTABLE. THE USERS MAINTENANCE PROGRAM SHOULD INCLUDE OBSERVATION FOR EXCESSIVE VIBRATION AND EXAMINATION FOR ANY STRUCTURAL DAMAGE. ALP WARRANTY EXCLUDES FATIGUE FAILURE OR SIMILAR PHENOMENA RESULTING FROM INDUCED VIBRATION, HARMONIC OSCILLATION OR RESONANCE ASSOCIATED WITH MOVEMENT OF AIR CURRENTS AROUND THE POLE.

LOADING DATA								
DESIGN CRITERIA:	COMMERCIAL STANDARD							
WIND SPEED (mph) 1.3 GUST	80	90	100	110	120	130	140	150
EPA FT²	12.6	9.2	6.5	5.0	3.6	2.1	1.3	–
WEIGHT (lbs)	315	230	168	125	90	60	33	–

MATERIAL DATA	
COMPONENT	ASTM
POLE SHAFT	A500 GR. B
BASE PLATE	A36
ANCHOR BOLTS	F1554 GR.55
MISC. STEEL	A36

FINISH: TBD | POWDER COAT - DARK BRONZE

POLE DIMENSION DATA						
TYPE	DESIGN	POLE LENGTH (FT)	BASE DIA. (IN)	TOP DIA. (IN)	GAUGE OR THK (IN)	WEIGHT (LBS)
	SNS-17.5-40-11-AB	17.5	4.00	4.00	11-GA (.1196")	125

DETAIL | GENERAL NOTES

American LitePole — AMERICAN LITE POLE 2800 S. HULEN, SUITE 200 FORT WORTH, TX 76109 817-924-3682 PH. 817-924-7049 FAX

** CONFIDENTIAL** THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL. UNAUTHORIZED DUPLICATION OR DISSEMINATION OF THIS DOCUMENT IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN NOTICE FROM AMERICAN LITE POLE.

REV. | DATE | BY | REVISION DESCRIPTION
PROJECT NAME:
DESCRIPTION: SQUARE STRAIGHT STEEL ANCHOR BASE 17.5' x 4.0" x 11 GA
PO NUMBER: | DATE: 061014 | DWG BY: BM
QUOTE NUMBER: | SCALE: NTS | QTY: | CHKD BY: CKR
DRAWING NUMBER: SNS-18-40-11-AB | REV:

Submitted On: Dec 18, 2024 2/2 Index Page

Submitted by Lighting Virginia-Central

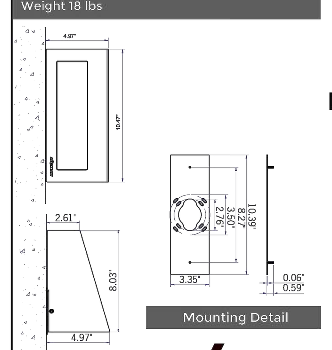
Job Name:	Catalog Number:	Type:
ALBEMARLE CO. REGIONAL JAIL SITE	ULEW-30021-20W-T3-W30-XX-120/277V Notes:	WP3 LV - CENTRAL24-200106

ULEW-30021
Leeds 3 Large Surface Wedge Downlight

microVos TECHNOLOGY — LIGMAN LIGHTING USA



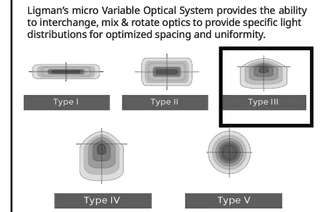
20w LED 2422 Lumens • 28w LED 3200 Lumens
IP65 • Suitable For Wet Locations
IK07 • Impact Resistant
Weight 18 lbs



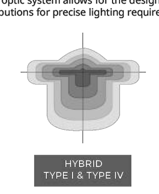
Mounting Detail

microVos TECHNOLOGY

Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.



The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.



Construction

Aluminum
Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre paint
8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket
Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B1 - U0 - G0 [T2, T4]
B1 - U0 - G1 [T1, T3, ME]
B2 - U0 - G0 [M, W]

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Inspired by Nature Finishes
The Inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish.

This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative powder coating.

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

The Coating Process
After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal decoration.

The component is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using special high temperature inks.

This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful wood-looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.

Added Benefits
• Resistance to salt-acid room, accelerated aging
• Boiling water, lime and condensed water resistant
• Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
• Super durable (UV resistant)
• TGIC free (non-toxic)

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes
Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens
Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Clean, beautiful, surface wall fixtures with class leading performance. Minimalist form, yet the most powerful and flexible lighting tool of its type, offering packages up to 2,400 lumens and microVos technology.

A range of small, square and rectangular, ADA compliant wall mounted luminaires with options of upward or downward light distributions. Ideally suited to illuminate the wall and surfaces in front of wall and for light accents on vertical surfaces using high efficiency LED's. The Leeds is suitable for indoor and outdoor applications and provides a clean, visually appealing solution for small, unobtrusive wall mounted luminaires.

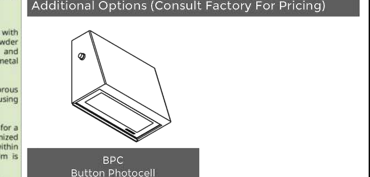
This luminaire is available in 3 different sizes and in combinations of down, up or up/down light distributions.

This fixture utilizes microVos technology, meaning the ability to do Type I,II,III,IV & V distributions as well as hybrid distributions to suit the designer's requirements.

Using the microVos optics allows for very wide spacing to mounting height ratios, while still providing perfect uniformity and code compliant light levels.

To meet International Dark Sky criteria, 3000k or warmer LEDs must be selected and luminaire fix mounted (+/- 15˚ allowable to permit leveling).

Additional Options (Consult Factory For Pricing)



BPC
Button Photocell

Ligman Lighting USA reserves the right to change specifications without prior notice, please contact factory for latest information. Due to the continual improvements in LED technology data and components may change without notice.

Submitted On: Dec 18, 2024 1/3 Index Page

Submitted by Lighting Virginia-Central

Job Name:	Catalog Number:	Type:
ALBEMARLE CO. REGIONAL JAIL SITE	ULEW-30021-20W-T3-W30-XX-120/277V Notes:	WP3 LV - CENTRAL24-200106

ULEW-30021
Leeds 3 Large Surface Wedge Downlight

microVos TECHNOLOGY — LIGMAN LIGHTING USA

PROJECT		DATE	
QUANTITY		TYPE		NOTE	

ORDERING EXAMPLE || ULEW - 30021 - 20w - T2 - W30 - 02 - 120/277v - Options

ULEW-30021	20W	T3	W30	XX	120/277V
	LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE
	20w LED 2422 Lumens 28w LED 3200 Lumens	T1 - Type I Distribution T2 - Type II Distribution T3 - Type III Distribution T4 - Type IV Distribution M - Medium 30˚ W - Wide 56˚ EW - Extra Wide 99˚x102˚	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify

INSPIRED BY NATURE FINISHES
SW01 - OAK FINISH
SW02 - WALNUT FINISH
SW03- PINE FINISH
DF - DOUGLAS FIR FINISH
CW - CHERRY WOOD FINISH
NW - NATIONAL WALNUT FINISH
SU01 - CONCRETE FINISH
SU02 - SOFTSCAPE FINISH
SU03 - STONE FINISH
SU04 - CORTEN FINISH

THERE IS AN ADDITIONAL COST FOR THESE FINISHES

SELECT FROM STD COLORS

ADDITIONAL OPTIONS

NAT - Natatorium Rated
SCE - Surface Conduit Decorative Trim
F - Frosted Lens
BPC - Button Photocell
AMB - Turtle Friendly Amber LED
DIM - 0-10v Dimming

More Custom Finishes Available Upon Request
Consult factory for pricing and lead times

Oak, Cherry, Beech, Carbon
Walnut, Chestnut, Bamboo, Galvanized
Pine, Mahogany, Birch, Steel



Example: Inspired by Nature Finish

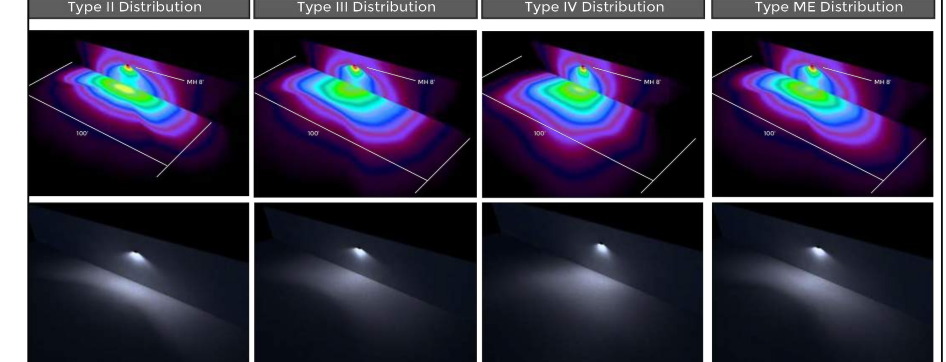
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Submitted On: Dec 18, 2024 2/3 Index Page

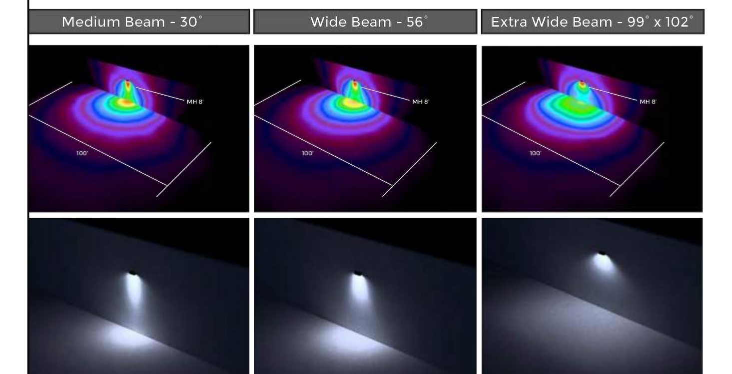
Submitted by Lighting Virginia-Central

Job Name:	Catalog Number:	Type:
ALBEMARLE CO. REGIONAL JAIL SITE	ULEW-30021-20W-T3-W30-XX-120/277V Notes:	WP3 LV - CENTRAL24-200106

Type II Distribution | Type III Distribution | Type IV Distribution | Type ME Distribution



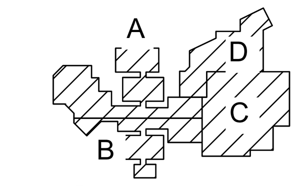
Medium Beam - 30˚ | Wide Beam - 56˚ | Extra Wide Beam - 99˚ x 102˚



Submitted On: Dec 18, 2024 3/3 Index Page

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3200 NORFOLK STREET, RICHMOND, VA 23230
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LIGHTING VIRGINIA
Prepared by:
LIGHTING VIRGINIA CENTRAL
400G-2 Southlake Blvd.
Richmond, VA 23236
Tel: 804-379-7777
www.lightingvirginia.com



KEY PLAN

ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION
160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 123456
DATE: DEC 20, 2024

REVISIONS	
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD
LIGHTING CUTSHEETS



JEFFERSON ELM



DURA HEAT RIVER BIRCH



WILLOW OAK



WINTER BERRY 'RED SPRITE'



COMPACT INKBERRY



INKBERRY 'GEMBOX'



NATIVE WITCH HAZEL
(FALL)



STAGHORN SUMAC
(FALL)



GROW LOW SUMAC



SHENANDOAH SWITCH GRASS



¾" - 1 TON BOULDERS



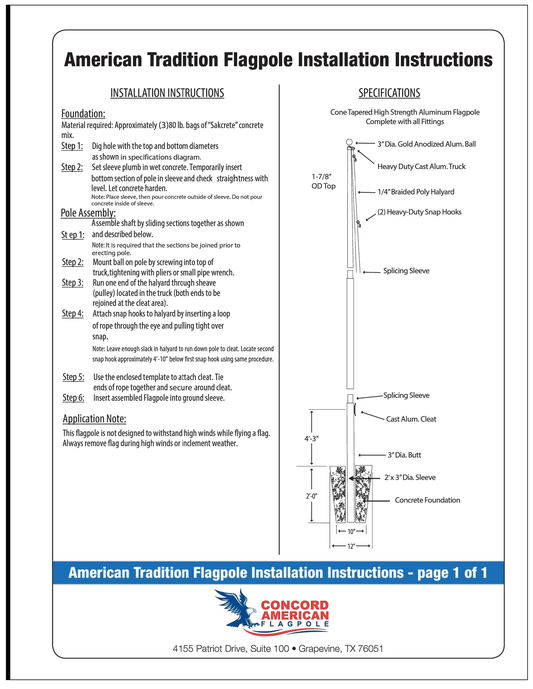
STONE MULCH 4"-6"



STONE MULCH #78

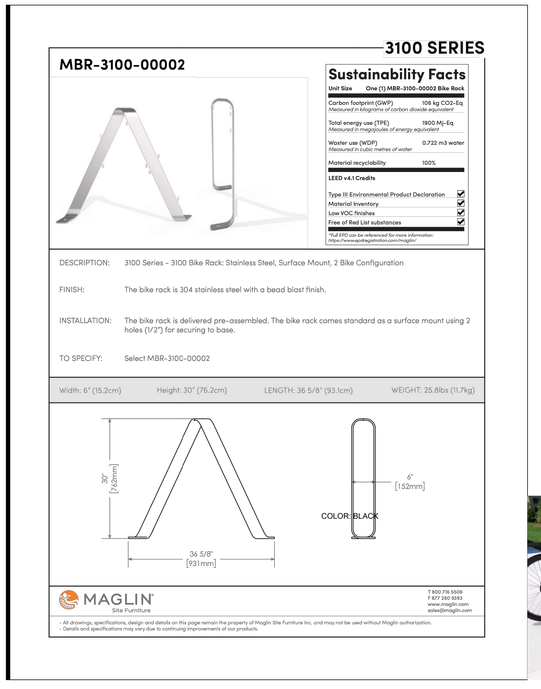


DOUBLE SHREDDED BLACK MULCH



FLAGPOLE





BIKE RACKS



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MOSELEYARCHITECTS.COM

TIMMONS GROUP
1001 Boulders Parkway, Suite 300, Richmond, VA, 23225
Phone: 804.200.6592

KEY PLAN

ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 123456
DATE: DEC. 20, 2024

	REVISIONS
DATE	DESCRIPTION
10/21/24	1ST SUBMISSION
12/20/24	2ND SUBMISSION

ARCHITECTURAL REVIEW BOARD

PLANT MATERIAL IMAGES

S:\30562567-ACR\JDW\GISheet\ARB\62567-LA-TREE.dwg | Plotted on 12/20/2024 2:14 PM | by Ryan Voss



3 **ARB - AERIAL**
3" = 1'-0"



1 **ARB - VIEW FROM AVON STREET**
3" = 1'-0"



2 **ARB - ENTRY**
3" = 1'-0"



N

ARB - SITE PLAN
3" = 1'-0"

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A D C B
KEY PLAN

ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 832552
DATE: 12/20/2024

REVISIONS	
DATE	DESCRIPTION

ARCHITECTURAL REVIEW BOARD

EXISTING SITE PHOTOS

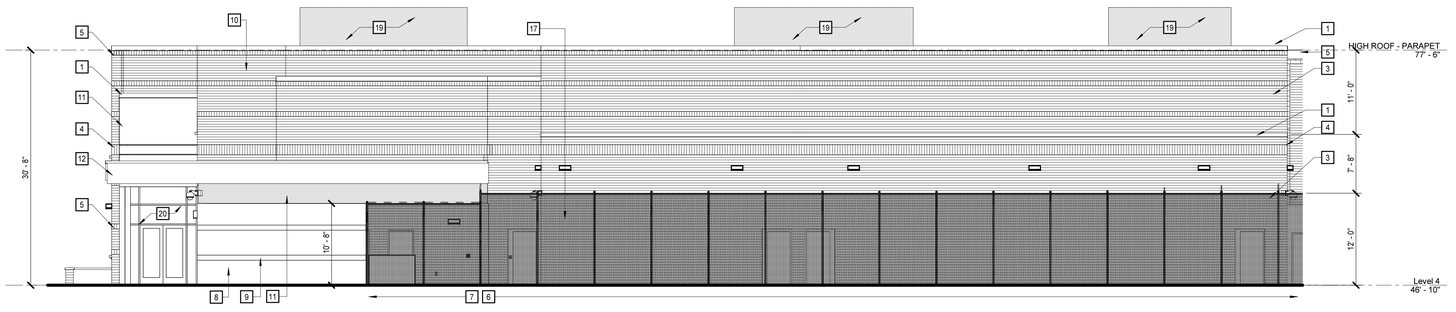
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BUILDING ELEVATION KEYNOTES

REPRESENTED BY n

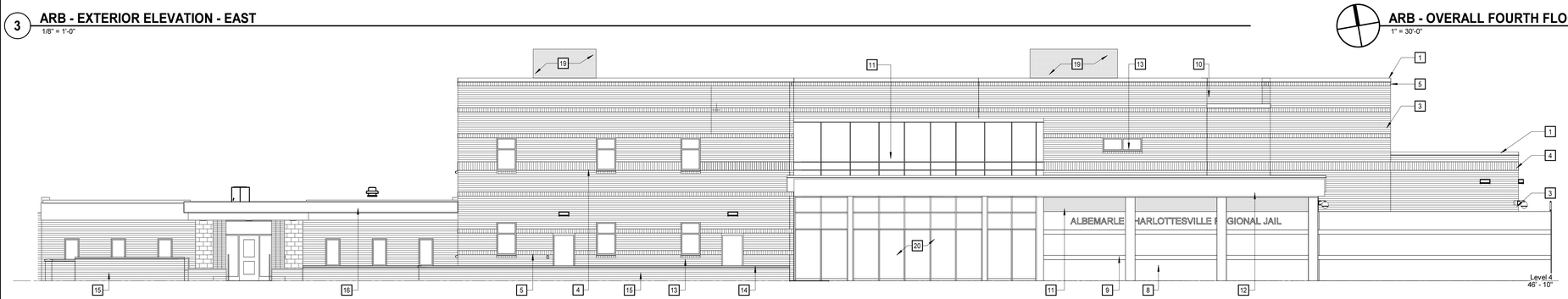
APPLIES TO DRAWINGS A4.1 - A4.2

1	PRE-FINISHED ALUMINUM COPING
2	MECHANICAL EQUIPMENT
3	FACE BRICK - UTILITY
4	DOUBLE BRICK SOLDIER COURSE
5	SINGLE BRICK SOLDIER COURSE
6	SECURITY FENCE WITH RAZOR WIRE
7	SECURITY FENCE WITH RAZOR WIRE
8	CAST STONE VENEER
9	CAST STONE SOLIDER COURSE
10	SCUPPER
11	ALUMINUM COMPOSITE MATERIALS PANEL
12	METAL OVERHANG ROOF
13	BRICK ROWLOCK SILL
14	FIRE DEPARTMENT CONNECTION
15	RETAINING WALL
16	METAL CANOPY
17	WALL SCONCE
18	EXISTING BUILDING
19	SCREEN WALL
20	VLT AND VLR WILL MEET GUIDLINES REQUIREMENTS WITH UN-TINTED GLASS. VISIBLE LIGHT TRANSMITTANCE (VLT) SHALL NOT DROP BELOW 40%. VISIBLE LIGHT REFLECTANCE (VLR) SHALL NOT EXCEED 30%



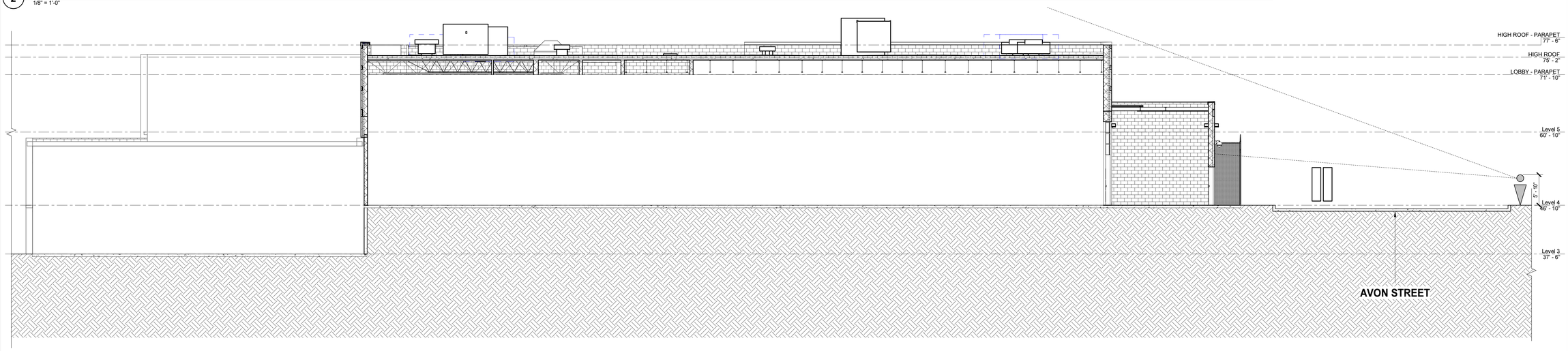
3 ARB - EXTERIOR ELEVATION - EAST

1/8" = 1'-0"



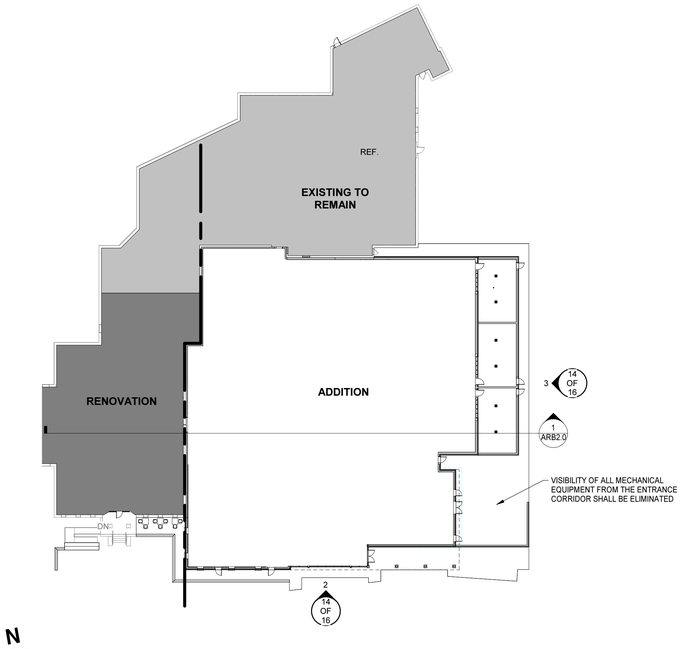
2 ARB - EXTERIOR ELEVATION - SOUTH

1/8" = 1'-0"



ARB - SITE SECTION - LONGITUDINAL

1/8" = 1'-0"



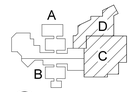
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ARB - OVERALL FOURTH FLOOR PLAN

1" = 30'-0"

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KEY PLAN

ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 632552
DATE: 12/20/2024

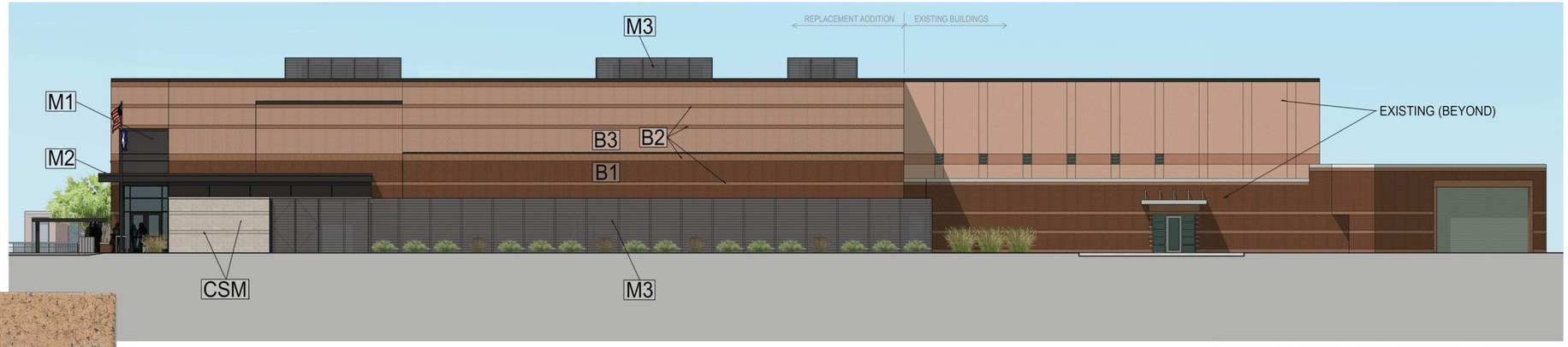
REVISIONS	
DATE	DESCRIPTION

ARCHITECTURAL REVIEW BOARD

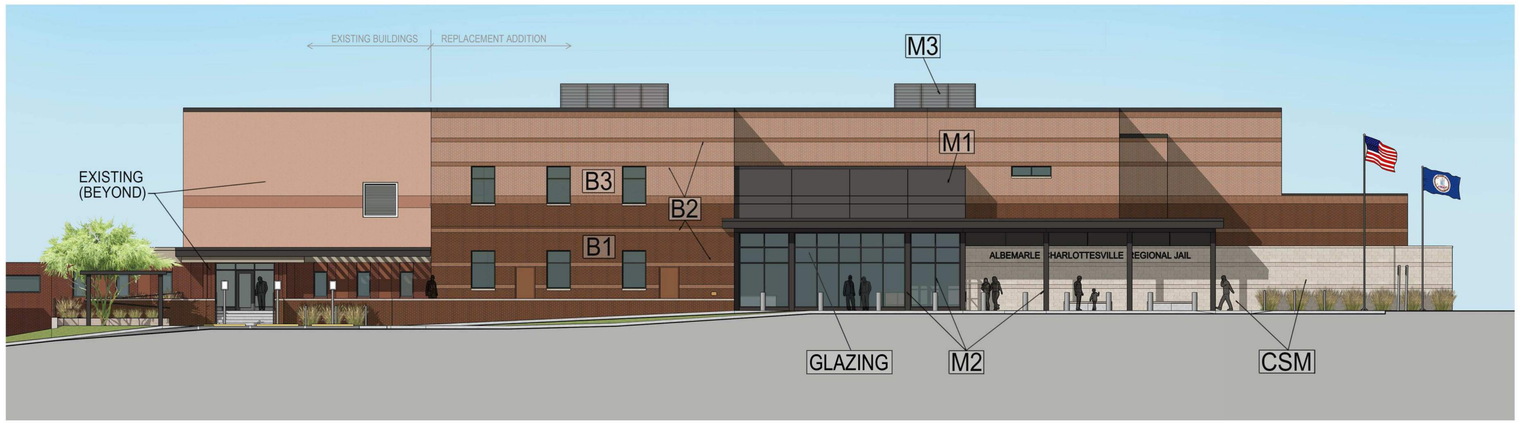
SITE SECTION AND EXTERIOR RENDERINGS

14 OF 16

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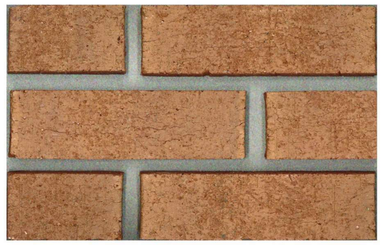
EAST / AVON STREET ELEVATION



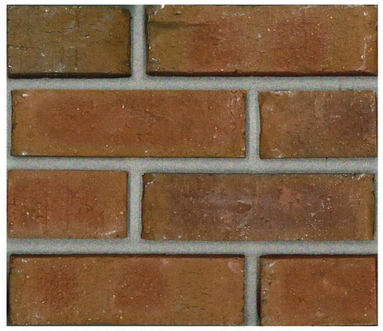
SOUTH / PUBLIC ENTRY ELEVATION



B3 - CHEROKEE BRICK "CHEROKEE ROSE"
INTENDED TO COORDINATE WITH EXISTING PRECAST WALLS BEYOND



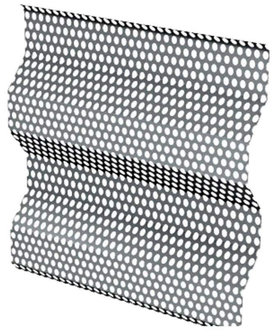
B2 - GLENN-GERY "OXFORD ROSE"
INTENDED TO MATCH EXISTING BRICK / MORTAR ACCENT BANDING



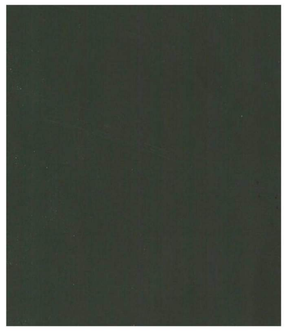
B1 - GLENN-GERY "CARTERS GROVE"
INTENDED TO MATCH EXISTING BRICK / MORTAR 'FIELD' WALL MASONRY



CSM - CAST-STONE MASONRY / ROCKCAST "BUR RIDGE"
SMOOTH (LIME STONE TYPE) WALL MASONRY AND TEXTURED FINISH ACCENT BANDS



M3 - METAL SCREEN WALL PANEL
PERFORATED - CORRUGATED "DON GREY" MATCH



M1 - METAL PANEL (ACM) "DON GREY"

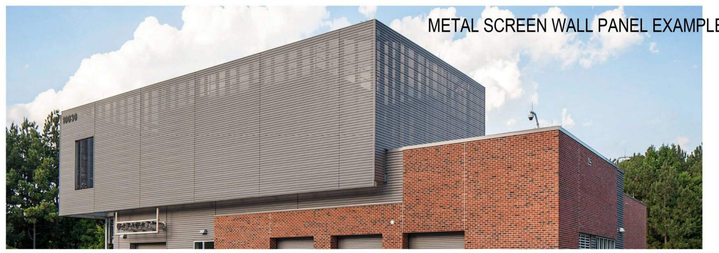


M2 "CHARCOLE"



GLAZING - GUARDIAN SNR-43 on GRAY
GRAY TINT GLASS (22% LIGHT TRANSMIT / 13% REFLECT)
This glazing is required for security purposes, to reduce the clear vision into the facility's interior spaces in order to better protect staff and visitors within. As virtually all glazing is oriented southwest and away from the entry corridor Avon Street, it is intended that any community visual impact should be minimal in balance with the overall exterior and landscape design enhancements.

METAL SCREEN WALL PANEL EXAMPLE IMAGES







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ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

160 PEREGORY LANE, CHARLOTTESVILLE, VIRGINIA 22902

PROJECT NO: 632552
DATE: 12/20/2024

REVISIONS	
DATE	DESCRIPTION

ARCHITECTURAL REVIEW BOARD
EXTERIOR SAMPLE BOARD

1/9/2025 11:03:42 AM



EXTERIOR RENDERING - PUBLIC ENTRANCE



EXTERIOR RENDERING - AVON STREET



EXTERIOR RENDERING - AVON STREET



EXTERIOR RENDERING - AVON STREET

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A D C B
KEY PLAN

ALBEMARLE - CHARLOTTESVILLE REGIONAL JAIL EXPANSION AND RENOVATION

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EXTERIOR RENDERINGS

1/9/2025 11:03:48 AM