LIBERTY TREE ACADEMY - PHASE 2
SITE DEVELOPMENT PLAN

TOWN OF PEYTON, EL PASO COUNTY
FINAL
MARCH 2021

Know what's **below.** **Call** before you dig.

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LAND USE SUMMARY

PARCEL AREA:	10.7 acres
PROJECT AREA (PHASE 1):	3.4 acres
PROJECT AREA (PHASE 2):	1.3 acres
BUILDING AREA (PHASE 1):	41,585 sf
BUILDING AREA (PHASE 2):	14,614 sf
FAR:	0.28

LOCATION MAP
SCALE: N.T.S.

VICINITY MAP
SCALE: N.T.S.

CIVIL ENGINEER
MATRIX DESIGN GROUP
1601 BLAKE STREET, SUITE 200
DENVER, CO. 80202
PH: 303-572-0200
FAX: 303-572-0202
CONTACT: DAVE KLINE, P.E., PTOE
DAVE_KLINE@MATRIXDESIGNGROUP.COM

LANDSCAPE ARCHITECT
MATRIX DESIGN GROUP
1601 BLAKE STREET, SUITE 200
DENVER, CO. 80202
PH: 303-572-0200
FAX: 303-572-0202
CONTACT: TERESA ROBERSON
TERESA_ROBERSON@MATRIXDESIGNGROUP.COM

LEGAL DESCRIPTION:
LOT 1178, WOODMEN HILLS FILING NO. 10
COUNTY OF EL PASO
STATE OF COLORADO

BASIS OF BEARING:
BASIS OF BEARINGS: BEARINGS ARE BASED ON GRID BEARINGS OF THE COLORADO STATE PLANE CENTRAL ZONE, BASED ON THE EAST LINE OF LOT 1178 OF THE PLAT OF WOODMEN HILLS FILING NO. 10 AS RECORDED ON JULY 13, 2001 IN THE OFFICE OF THE EL PASO COUNTY CLERK AND RECORDER UNDER RECEPTION NUMBER 201098618, MONUMENTED ON THE NORTH END BY A FOUND 2-1/2" ALUMINUM CAP STAMPED "PLS 38160" AND ON THE SOUTH END BY A FOUND 1-1/2" ALUMINUM CAP STAMPED "PLS 32822", AND BEARS SOUTH 00°24'21" EAST A DISTANCE OF 1116.46 FEET.

BENCHMARK:
BENCHMARK IS DERIVED FROM AN ONLINE POSITIONING USER SERVICE PROVIDED BY THE NATIONAL GEODETIC SURVEY PERFORMED ON A SET #5 REBAR LOCATED ON THE EAST SIDE OF EASTONVILLE ROAD NEAR THE SOUTH PCR APPROXIMATELY 20 FEET SOUTH OF A SANITARY MANHOLE AND 12 FEET EAST OF A FIRE HYDRANT. THE ELEVATION DERIVED FROM THE STATIC SOLUTION IS 6960.52 U.S. SURVEY FEET (NAVD 88).

DESIGN ENGINEER'S STATEMENT:
THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

DAVID KLINE, P.E., PTOE — DATE: 03/09/2021

OWNER/DEVELOPER'S STATEMENT:
I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

LIBERTY TREE ACADEMY BUILDING CORPORATION — DATE: 03/09/2021

REFERENCE DRAWINGS
X-995.002-MDG22x34

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: R:\20.995.002 (Liberty Tree Academy Additional Svcs)\Dwg\Sheets\SDP\TS01_SDP_PH2.dwg
CTB FILE: ----
PLOT DATE: March 9, 2021 9:59:09 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

PREPARED FOR: LIBERTY TREE ACADEMY
PREPARED BY: Matrix — Excellence by Design

SEAL
COLORADO REGISTERED PROFESSIONAL ENGINEER 37520 3/9/2021

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 20.995.002

LIBERTY TREE ACADEMY - PHASE 2
TOWN OF PEYTON, EL PASO COUNTY
SITE DEVELOPMENT PLAN, PCD FILE NO. PPR-20-018

TITLE SHEET

DESIGNED BY: ACR	SCALE	DATE ISSUED: MARCH 2021	DRAWING No.
DRAWN BY: ACR	HORIZ	SHEET 1 OF 15	TS01
CHECKED BY: DRK	VERT.		

N

30 0 30 60
SCALE IN FEET
ORIGINAL SCALE

Know what's below. Call before you dig.

PR WHMD TRAIL REALIGNMENT

EX 240' DRAINAGE EASEMENT

EX WHMD TRAIL (APPROX LOCATION)

PR 6' SIDEWALK

PR LIGHT STANDARD (TYP)

PARKING COUNT (TYP)

PR PARKING LOT

APPROXIMATE LIMITS OF EX POND

PR POND PERIMETER CHAIN LINK FENCE

PHASE 1 BUILDING

PHASE 2 EXPANSION

SNAFFLE BIT ROAD

PR 6' SIDEWALK

PR TRAFFIC FLOW (TYP)

6'

18'

24'

18'

EASTONVILLE ROAD

(80' ROW)

25' EX WATER EASEMENT

10' PR PUBLIC UTILITIES & DRAINAGE EASEMENT

10' EX PUBLIC UTILITIES & DRAINAGE EASEMENT

25' EX WATER EASEMENT

10' PR ROW

MOTLEY ROAD

25' EX SS EASEMENT

NOTE:

THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATIONS AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.

REFERENCE DRAWINGS

X-995.002-MDC22x34
X-995.002-PR-BASE_PH-2
X-995.002-EX-BASE
X-995.002-EX-BASE_PH-1
X-995.002-EX-MAP

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

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CTB FILE: ----
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SHEET KEY

PREPARED FOR:
LIBERTY TREE ACADEMY

PREPARED BY:
Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 20.995.002

LIBERTY TREE ACADEMY - PHASE 2

TOWN OF PEYTON, EL PASO COUNTY
SITE DEVELOPMENT PLAN, PCD FILE NO. PPR-20-018

SITE PLAN

DESIGNED BY: ACR	SCALE	DATE ISSUED:	MARCH 2021	DRAWING No.
DRAWN BY: ACR	HORIZ. 1" = 30'			
CHECKED BY: DRK	VERT. NA	SHEET	2 OF 15	SP01

N

30 0 30 60
SCALE IN FEET
ORIGINAL SCALE

Know what's **below.** **Call** before you dig.

PR WHMD TRAIL REALIGNMENT

EX 240' DRAINAGE EASEMENT

EX WHMD TRAIL (APPROX LOCATION)

APPROXIMATE LIMITS OF EX POND

PSD 18

PHASE 1 BUILDING

PHASE 2 EXPANSION

SNAFFLE BIT ROAD

EASTONVILLE ROAD (80' ROW)

MOTLEY ROAD

25' EX WATER EASEMENT

10' PR PUBLIC UTILITIES & DRAINAGE EASEMENT

10' EX PUBLIC UTILITIES & DRAINAGE EASEMENT

10' PR ROW

25' EX SS EASEMENT

6955 6956 6957 6958 6959 6960

NOTE:

THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATIONS AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.

REFERENCE DRAWINGS

X-995.002-MDG22x34
X-995.002-PR-BASE_PH-2
X-995.002-EX-BASE
X-995.002-EX-BASE_PH-1
X-995.002-EX-MAP

No.	DATE	DESCRIPTION	BY

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SHEET KEY

PREPARED FOR:
LIBERTY TREE ACADEMY

PREPARED BY:
Matrix
Excellence by Design

SEAL

COLORADO REGISTERED PROFESSIONAL ENGINEER
DERRICK R. KOLB
No. 45520
3/9/2021

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 20.995.002

LIBERTY TREE ACADEMY - PHASE 2

TOWN OF PEYTON, EL PASO COUNTY
SITE DEVELOPMENT PLAN, PCD FILE NO. PPR-20-018

GRADING PLAN

DESIGNED BY: ACR	SCALE	DATE ISSUED:	MARCH 2021	DRAWING No.
DRAWN BY: ACR	HORIZ. 1" = 30'	SHEET	3 OF 15	GR01
CHECKED BY: DRK	VERT. NA			

N

30 0 30 60
SCALE IN FEET
ORIGINAL SCALE

Know what's below. Call before you dig.

PR WHMD TRAIL REALIGNMENT
EX 240' DRAINAGE EASEMENT
EX 18" RCP POND OUTLET
EX WHMD TRAIL (APPROX LOCATION)
EX ELEC MH
EX POND EMERGENCY OVERFLOW SPILLWAY
EX POND OUTLET STRUCTURE
PR LIGHT STANDARD (TYP)
EX UNDERGROUND ELECTRIC (SIZE UNKNOWN)
EX TRICKLE CHANNEL
PR POND PERIMETER CHAIN LINK FENCE (INSTALL BETWEEN TOP OF EX POND SLOPE AND EX TREES)
EX FOREBAY
PR TRICKLE CHANNEL
EX 10" SS
APPROXIMATE LIMITS OF EX POND
RELOCATE EX COMM VAULT
PR POND MAINTENANCE ACCESS
EX SAN MH
EX SAN MH
PR 18" RCP & FES
RELOCATE EX FH
EX 8" WATER
PSD 18
PHASE 1 BUILDING
SNAFFLE BIT ROAD
EX FH
EX GAS
EX 10" SS
EX FO (SIZE UNKNOWN)
PR 18" RCP
PR 5' TYPE R INLET
EX 8" WATER LINE
MODIFY EX SAN MH
PR 5' TYPE R INLET
PSD 18
EASTONVILLE ROAD
(80' ROW)
25' EX WATER EASEMENT
EX UNDERGROUND ELECTRIC (SIZE UNKNOWN)
EX 10" SS
PHASE 2 EXPANSION
EX 10" SS
10' PR PUBLIC UTILITIES & DRAINAGE EASEMENT
10' EX PUBLIC UTILITIES & DRAINAGE EASEMENT
25' EX WATER EASEMENT
10' PR ROW
MOTLEY ROAD
25' EX SS EASEMENT

REFERENCE DRAWINGS
X-995.002-MDG22x34
X-995.002-PR-BASE_PH-2
X-995.002-EX-BASE
X-995.002-EX-BASE_PH-1
X-995.002-EX-MAP

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: R:\20.995.002 (Liberty Tree Academy Additional Svcs)\Dwg\Sheets\SDP\UT01_SDP_PH2.dwg
CTB FILE: ----
PLOT DATE: 3/9/2021 11:36 AM
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SHEET KEY

PREPARED FOR:
LIBERTY TREE ACADEMY

PREPARED BY:
Matrix
Excellence by Design

SEAL
COLORADO REGISTERED PROFESSIONAL ENGINEER 44520 3/9/2021

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 20.995.002

LIBERTY TREE ACADEMY - PHASE 2

TOWN OF PEYTON, EL PASO COUNTY
SITE DEVELOPMENT PLAN, PCD FILE NO. PPR-20-018

OVERALL UTILITY PLAN

DESIGNED BY: ACR	SCALE	DATE ISSUED:	MARCH 2021	DRAWING No.
DRAWN BY: ACR	HORIZ. 1" = 30'			
CHECKED BY: DRK	VERT. NA	SHEET	4 OF 15	UT01

LANDSCAPE LEGEND

- PARCEL BOUNDARY
- ENCUMBERED DRAINAGE CHANNEL
- ENCUMBERED DETENTION POND
- TREE LAWN

NOTE:
SEE SHEET LS02 FOR DETAILED LANDSCAPE PLAN OF PHASE 2 DEVELOPMENT.

PARCEL AREA CALCULATION (ACRE / SF)				
PARCEL AREA	ENCUMBERED DRAINAGE CHANNEL	ENCUMBERED DETENTION POND	TREE LAWN	NET REDUCED AREA
10.43 / 454,180	5.91 / 257,280	0.27 / 11,930	0.32 / 13,790	3.93 / 171,180

BASED ON EL PASO COUNTY LAND DEVELOPMENT CODE (CHAPTER 6) MINIMUM INTERNAL LANDSCAPE AREA EQUALS 5% OF NET REDUCED AREA. ONE TREE REQUIRED PER 500 SQUARE FEET OF MINIMUM INTERNAL LANDSCAPE AREA: 17 TREES REQUIRED, 35 TREES PROVIDED.

REFERENCE DRAWINGS
X-995.002-MDG22x34
X-995.002-PR-BASE_PH-2
X-995.002-EX-BASE
X-995.002-EX-BASE_PH-1
X-995.002-EX-MAP
Planting Details-PH2
X-995.002-PR-LANDSCAPE_PH-2

No.	DATE	DESCRIPTION	BY

REVISIONS

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SHEET KEY

PREPARED FOR:
LIBERTY TREE ACADEMY

PREPARED BY:
Matrix
Excellence by Design

SEAL
COLORADO REGISTERED DAVID R. KOTTAS 24520 PROFESSIONAL ENGINEER

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 20.995.002

LIBERTY TREE ACADEMY - PHASE 2

TOWN OF PEYTON, EL PASO COUNTY
SITE DEVELOPMENT PLAN, PCD FILE NO. PPR-20-018

OVERALL LANDSCAPE PLAN

DESIGNED BY: ACR	SCALE	DATE ISSUED: MARCH 2021	DRAWING No.
DRAWN BY: ACR	HORIZ. 1" = 50'		
CHECKED BY: DRK	VERT. NA	SHEET 5 OF 15	LS01

LANDSCAPE LEGEND

- DECIDUOUS SHADE TREE
- ORNAMENTAL TREE
- EVERGREEN TREE
- DECIDUOUS SHRUBS, 5 GAL.
- STEEL LANDSCAPE EDGER
- 3" DEPTH RIVER GRAVEL MULCH OVER WEED BARRIER FABRIC
- NATIVE GRASS SEEDING
- PROJECT LIMIT OF WORK

PHASE 2 PLANT LEGEND

SYMBOL	QUANTITY	COMMON NAME	BOTANICAL NAME	SIZE	NOTES
DECIDUOUS SHADE TREES					
GSL	8	GREENSPIRE LINDEN	TILIA CORDATA 'GREENSPIRE'	1.5" CAL.	B&B
WH	6	WESTERN HACKBERRY	CELTIS OCCIDENTALIS	1.5" CAL.	B&B
SUBTOTAL	*14*				
EVERGREEN TREES					
BP	14	BOSNIAN PINE	PINUS HELDREICHII	6' HT.	B&B
SUBTOTAL	*14*				
ORNAMENTAL TREES					
RC	4	RADIANT CRABAPPLE	MALUS 'RADIANT'	1" CAL.	B&B
SSC	3	SPRING SNOW CRABAPPLE	MALUS 'SPRING SNOW'	1" CAL.	B&B
SUBTOTAL	*7*				
DECIDUOUS SHRUBS					
AWS	28	ANTHONY WATERER SPIREA	SPIRAEA BUMALDA 'ANTHONY WATERER'	5 GAL.	4' O.C. SPACING
DKL	11	DWARF KOREAN LILAC	SYRINGA MEYERI	5 GAL.	4' O.C. SPACING
JP	11	JACKMAN POTENTILLA	POTENTILLA FRUTICOSA 'JACKMANII'	5 GAL.	4' O.C. SPACING
SC	36	SPREADING COTONEASTER	COTONEASTER DIVARICATA	5 GAL.	5' O.C. SPACING
SUBTOTAL	*86*				

REFERENCE DRAWINGS

X-995.002-MDG22x34
X-995.002-PR-BASE_PH-2
X-995.002-EX-BASE
X-995.002-EX-BASE_PH-1
X-995.002-EX-MAP
Planting Details-PH2
X-995.002-PR-LANDSCAPE_PH-2

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: R:\20.995.002 (Liberty Tree Academy Additional Svcs)\Dwg\Sheets\SDP\LS02_SDP_PH2.dwg
CTB FILE: ----
PLOT DATE: 3/9/2021 9:59 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

PREPARED FOR:
LIBERTY TREE ACADEMY

PREPARED BY:
Matrix
Excellence by Design

SEAL

COLORADO REGISTERED PROFESSIONAL ENGINEER 44520 3/9/2021

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 20.995.002

LIBERTY TREE ACADEMY - PHASE 2

TOWN OF PEYTON, EL PASO COUNTY
SITE DEVELOPMENT PLAN, PCD FILE NO. PPR-20-018

DETAILED LANDSCAPE PLAN

DESIGNED BY: ACR	SCALE	DATE ISSUED:	MARCH 2021	DRAWING No.	
DRAWN BY: ACR	HORIZ. 1" = 30'	SHEET	6 OF 15	LS02	
CHECKED BY: DRK	VERT. NA				

PHASE I PROJECT DATA

PARCEL #: 4232302001
ZONING: RR-5

MAXIMUM LOT COVERAGE 25%
MAXIMUM HEIGHT 30'
SETBACKS 25' FRONT, REAR, SIDE.

PHASE I BUILDING INFORMATION
GROSS FLOOR AREA: 39,376 S.F.
NUMBER OF STORIES: 2
MAXIMUM HEIGHT: 30'-0"

PHASE I PARKING DATA

PARKING REQUIRED PER TABLE 6-2
ELEMENTARY OR JR HIGH:
2 SPACES PER CLASSROOM

REQUIRED PARKING SIZE 9X18 2' OVERHANG

NEW PARKING REQUIRED PER TABLE 6-2:
(2 SPACES/CLASS ROOM) 22 C.R. X 2 = **44 STALLS**
NEW PARKING PROVIDED: **50 STALLS**
REQUIRED ADA PARKING SPACES: **2 STALLS**
ADA PARKING SPACES PROVIDED: **2 STALLS**

ON SITE QUEUE LENGTH: 1,240 L.F.

PHASE I BIKE PARKING

REQUIRED BIKE PARKING 5% OF VEHICLE
PARKING SPACES (50 X .05): **3 SPACES**
PROVIDED BIKE PARKING: **5 SPACES**

PHASE II PROJECT DATA

PARCEL #: 4232302001
ZONING: RR-5

MAXIMUM LOT COVERAGE 25%
MAXIMUM HEIGHT 30'
SETBACKS 25' FRONT, REAR, SIDE.

PHASE II BUILDING INFORMATION
GROSS FLOOR AREA: 14,075 S.F.
NUMBER OF STORIES: 2
MAXIMUM HEIGHT: 30'-0"

PHASE II PARKING DATA

PARKING REQUIRED PER TABLE 6-2
JR HIGH OR HIGH SCHOOL:
2 SPACES PER CLASSROOM.
SENIOR HIGH:
1 SPACE PER 4 STUDENTS.

REQUIRED PARKING SIZE 9X18 2' OVERHANG

NEW PARKING REQUIRED PER TABLE 6-2:
(2 SPACES/CLASS ROOM) 11 C.R. X 2 = **22 STALLS**
(1 SPACE/4 SENIOR HIGH STUDENTS) 80 S.H. STUDENTS = **20 STALLS**
NEW PARKING REQUIRED: **42 STALLS**
NEW PARKING PROVIDED: **85 STALLS**
REQUIRED ADA PARKING SPACES: **4 STALLS**
ADA PARKING SPACES PROVIDED: **4 STALLS (3 + 1 VAN ACCESSIBLE)**
✲ **VAN ACCESSIBLE**
NOTE:
REQUIRED ADA STALLS PROVIDED IN EXISTING PARKING LOT.
(6 TOTAL SPACES BORROWED FROM EXISTING LOT FOR NEW ADA SPACES + ROUTING).

ON SITE QUEUE LENGTH: 1,240 L.F.

PHASE II BIKE PARKING

REQUIRED BIKE PARKING 5% OF VEHICLE
PARKING SPACES (85 X .05): **5 SPACES**
PROVIDED BIKE PARKING: **5 SPACES**

NOTE:
LIBERTY TREE ACADEMY PROHIBITS DRIVING AGE STUDENTS FROM BRINGING VEHICLES ON CAMPUS WITH THE INTENT OF PARKING FOR THE DURATION OF THE SCHOOL DAY.

SITE PLAN KEYNOTES - PHASE I (EXISTING):

1. ACCESSIBLE PARKING SPACE PER CIVIL DRAWINGS.
2. FIRE RISER ENTRANCE. PROVIDE FIRE RISER ROOM SIGNAGE.
3. FIRE HYDRANT PER CIVIL DRAWINGS.
4. EXISTING SITE LIGHTING FIXTURES, SEE ELECTRICAL DRAWINGS.
5. ***WATER METER PER CIVIL PLANS.***
6. PROPERTY LINE.
7. 25' HIGH FLAG POLE.
8. ***BACKFLOW PREVENTER PER CIVIL PLANS.***
9. 6' WROUGHT IRON FENCE MOUNTED ON INTEGRAL COLOR CMU RETAINING WALL. SEE STRUCTURAL DRAWINGS.
10. CONCRETE CURB PER DETAILS. PAINTED RED CURB WITH "NO PARKING FIRE LANE" IN 4" WHITE LETTERS ON FACE OF THE CURB SPACED 80' ON CENTER FOR FIRE LANE DESIGNATION AS INDICATED WITH DASHED LINE.
11. CONCRETE RAMP PER CIVIL DRAWINGS
12. WROUGHT IRON FENCE PER DETAIL.
13. W.I. GATE WITH KEY F.O.B. AND PANIC HARDWARE PER DETAIL.
14. SCORED CONCRETE WITH CONTROL JOINTS 6'-0" O.C., PATTERN PER PLAN.
15. PROVIDE FLUSH-MOUNTED KNOX BOX, MODEL NO. 3200 SERIES @ + 6'-0" A.F.F. ORDER AND INSTALL PER LOCAL FIRE DEPARTMENT REQUIREMENTS
16. TRASH ENCLOSURE GATE PER DETAIL, PROVIDE 6.33" STEEL BOLLARDS 60" ABOVE GRADE, SPACED PER DETAIL. FULL GROUT AND CROWN TOP PRIMED AND PAINTED LIGHT TAN.
17. DECOMPOSED GRANITE PER LANDSCAPE PLANS.
18. UNDERGROUND STORM DRAIN PER CIVIL DRAWINGS.
19. CYCLOOPS 2170-5 BICYCLE PARKING

SITE PLAN KEYNOTES - PHASE II:

20. NEW ASPHAULT PARKING LOT AND STRIPING PER CIVIL PLANS.
21. NEW CONCRETE CURB AND GUTTER PER CIVIL PLANS.
22. NEW UNDERGROUND STORM DRAIN PER CIVIL PLANS.
23. NEW DRIVEWAY PER CIVIL PLANS.
24. NEW SITE LIGHTING FIXTURES SET AT BACK OF SIDEWALK, SEE ELECTRICAL PLANS.
25. NEW WALL PACK LIGHT FIXTURE TO ACCOMODATE FUTURE BUILDING ADDITION, PER ELECTRICAL PLANS.
26. NEW ADA ROUTE AND RAMPS TO ACCOMODATE FUTURE BUILDING ADDITION, PER CIVIL PLANS.
27. NEW ADA PARKING SPACE TO ACCOMODATE FUTURE BUILDING ADDITION.- SEE SHEET SP1.1 FOR DETAILS.
28. NEW RAMP AT DRIVEWAY PER CIVIL PLANS.
29. NEW LANDSCAPE PLANTERS PER LANDSCAPE PLANS.
30. NEW TRAFFIC CONTROL SIGNAGE PER CIVIL PLANS.
31. NEW CYCLELOOPS 2170-5 BICYCLE PARKING.
32. NEW CHAIN LINK FENCE AROUND POND PER CIVIL PLANS.
33. 6" CURB AT BACK OF RAMP LANDING.
34. NEW MASONRY WALL WITH CONCRETE CAP AND SEAT. PROVIDE SIGNAGE AS SHOWN ON SHEET SP1.1..
35. NEW MASONRY WALL WITH CONCRETE CAP, +72" ABOVE LOWEST ADJACENT GRADE, SEE 9/SP1.1.
36. ADA PARKING SIGN - SEE SHEET SP1.1 FOR DETAILS.

1 SP1.0 **SITE PLAN**
1" = 40'-0"

LIBERTY TREE ACADEMY

10/31/20
COLORADO LICENSED
MARK K. CUEVA
405429
ARCHITECT

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3149 e prince rd #151
tucson, arizona 85716
phone 520.577.4560
www.cca-az.com
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NEW 11 CLASSROOM ADDITION FOR:

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD, PEYTON, CO 80831

CONSTRUCTION DOCUMENTS

REVISION	DATE	DESCRIPTION	BY

PROJECT NO. **P20-8579**
DATE **JUNE 15, 2020**
SCALE **1" = 40'-0"**
DRAWN BY **MF**
DRAWING TITLE **ARCHITECTURAL SITE PLAN**
DRAWING NUMBER **SP1.0**

6 SP1.1 H.C. PARKING SIGN DETAIL

1 1/2" = 1'-0"

5 SP1.1 ACCESSIBLE PARKING SIGN

3/4" = 1'-0"

NOTE:
THE POLE MANUFACTURER SHALL PROVIDE A POLE BASE DESIGN FOR 100MPH WIND LOADING w/ A 1.3 GUST FACTOR.

POLE AND ANCHORS BY MANUFACTURE.

4 SP1.1 LIGHT POLE DETAIL

1/4" = 1'-0"

NOTE: ENTRY WALL MONUMENT SIGNAGE AS SHOWN HERE IS FOR REFERENCE ONLY AND IS SUBJECT TO MODIFICATION.

A SEPARATE SIGN PERMIT WILL BE SUBMITTED FOR MONUMENT SIGNAGE.

1. SIGNAGE TO BE CENTERED ON LOW MASONRY WALL.
2. FINAL COLOR-TBD.
3. SIGNAGE SIZE, COLOR & LOCATION ON LOW MASONRY TO BE VERIFIED WITH OWNER.

2 SP1.1 MONUMENT SIGNAGE @ ENTRY WALL

1/2" = 1'-0"

8 SP1.1 TYP. ADA PARKING

1/4" = 1'-0"

7 SP1.1 TYP. ADA PARKING "VAN ACCESSIBLE"

1/4" = 1'-0"

9 SP1.1 CMU SITE WALL DETAIL

1/2" = 1'-0"

1 SP1.1 ENTRY WALL DETAIL

1/2" = 1'-0"

LIBERTY TREE ACADEMY

10/31/20
COLORADO LICENSED
MARK K. CUEVA
405429
ARCHITECT

carhuff+cueva architects, llc
3149 e prince rd #151
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phone 520.577.4560
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NEW 11 CLASSROOM ADDITION FOR:

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD, PEYTON, CO 80831

CONSTRUCTION DOCUMENTS

REVISION	DATE	DESCRIPTION	BY

PROJECT NO. P20-8579

DATE JUNE 15, 2020

SCALE As indicated

DRAWN BY MF

DRAWING TITLE SITE DETAILS

DRAWING NUMBER SP1.1

GENERAL NOTES:

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY AND COORDINATION OF INSTALLATION FOR ALL BUILDING MATERIAL.

2. PROVIDE BACKING AT ALL DOOR BUMPERS.

3. PROVIDE DRYWALL CONTROL JOINTS FULL HEIGHT NO MORE THAN 30 FEET APART PER DRYWALL MFR. RECOMMENDATIONS.

4. ALL DOORS IN FRAMED WALLS SHALL BE 4" FROM ADJACENT WALL U.N.O.

5. PROVIDE VINYL CORNER GUARDS AT ALL HALLWAY CORNERS. MECHANICALLY FASTENED. REFERENCE FINISH PLANS.

6. KEYNOTES NOT REFERENCED ON THIS SHEET MAY BE REFERENCED ON ANOTHER SHEET.

7. OWNER TO APPROVE ALL PAINT COLORS, FLOORING, FONTS, GRAPHICS AND FINISHES.

8. PULL DOWN SHADES AT ALL EXTERIOR & INTERIOR WINDOWS.

9. PROVIDE WALL MOUNTED SIGNAGE WITH INSERTS OUTSIDE EACH CLASSROOM PER DETAIL, VERIFY WITH OWNER BEFORE ORDERING.

10. PROVIDE BAG HOOKS TO ALL CLASSROOMS, EXCEPT K-CLASSROOMS WITH CUBBIES PER DETAIL 11/A4.3. COORDINATE LOCATIONS WITH OWNER.

FLOOR PLAN KEYNOTES: (-)

1. WOOD STUD PARTITION PER WALL TYPE SCHEDULE SEE SHEET A0.0.

2. STOREFRONT SYSTEM WITH, CLR ANODIZED ALUMINUM MULLIONS AND DOUBLE PANEL INSULATED CLEAR GLASS. 2" x 10" DEEP MULLIONS AT EXTERIOR & 2" x 4 1/2" DEEP MULLIONS AT INTERIOR.

3. KITCHEN EQUIPMENT AND FIXTURES PER PLUMBING AND ELECTRICAL SHEETS.

4. LAMINATE CMU WALL WITH 5/8" GYP. BD. TEXTURED AND PAINTED.

5. ANODIZED ALUMINUM WINDOW PER SCHEDULE.

6. INTERIOR ROLLER SHADES AT ALL WINDOWS AND STOREFRONT - TYP.

7. MILLWORK PER DETAILS AND FURNITURE BY G.C.

8. WALL MOUNTED PROJECTOR INSTALLED PER MFG. SPECIFICATIONS.

9. 8'-0" OR 6'-0" WIDE X 4'-0" HIGH WHITE BOARD MOUNTED AT +3'-0" ABOVE FINISH FLOOR - TYP. PER LABELS.

10. WALL MOUNTED HI-LOW DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS. PROVIDE CERAMIC TILE AND 5'-0" WAINSCOT.

11. ELECTRIC HOT WATER HEATER, SEE PLUMBING DRAWINGS FOR EXACT SIZE AND REQUIREMENTS - TYP

12. PROVIDE FIRE ALARM CONTROL PANEL (FACP) BY G.C. AND BUILDING SECURITY KEYPAD BY OWNER.

13. 2A:10BC FIRE EXTINGUISHER IN SEMI-RECESSED FIRE EXTINGUISHER CABINET - TYPICAL (SEE SPECIFICATIONS). PROVIDE MINIMUM OF (1) PER 3000 SF OF BUILDING AREA. MAX TRAVEL DISTANCE TO AN FE SHALL NOT EXCEED 75'.

14. ROOF ACCESS LADDER. PROVIDE LOCKABLE ROOF SCUTTLE.

15. ELECTRIC PANELS. PROVIDE CLEAR SPACE IN FRONT OF PANELS PER N.E.C. CODE.

16. EXTERIOR LIGHTING CONTROLS PER ELECTRICAL DRAWINGS.

17. LANDSCAPE TIMER CONTROL PER LANDSCAPE DRAWINGS.

18. ACCENT UP LIGHTING PER ELECTRICAL DRAWINGS.

19. SCHOOL LOGO PAINTED OR INTEGRAL IN FLOORING.

20. PROVIDE JUNCTION BOX FOR POWERED LATCH SYSTEM.

21. FIRE RISER ROOM AND FACP SIGN PER LOCAL FIRE RESCUE.

22. SIGN POSING MAXIMUM OCCUPANCY PER LIFE SAFETY PLAN.

23. PROVIDE ROOF ACCESS SIGN.

24. FDC LOCATION. PROVIDE SIGNAGE PER LOCAL FIRE RESCUE.

25. ELECTRICAL SERVICE ENTRANCE PER ELECTRIC PLANS.

26. PROVIDE FLUSH-MOUNTED KNOX BOX, MODEL NO. 3200 SERIES @ +6'-0" A.F.F. ORDER AND INSTALL PER FIRE DISTRICT REQUIREMENTS.

27. COPY MACHINE.

28. HYDRAULIC ELEVATOR LIKE THYSSEN KRUPP ENDURA HMRL PER SPECIFICATIONS, OR EQ.

29. 1-1/2" DIAMETER STEEL PIPE HANDRAIL - PAINTED. MOUNT RAILING AT +2'-10" ABOVE STAIR - TYP.

30. CONCRETE RAMP, MAX SLOPE 1:12.

31. RESERVED.

32. ROLL UP COUNTER SHUTTER

33. MODERNFOLD ACOUSTI-SEAL SINGLE ENCORE PARTITION.

2 A2.0 **KEY PLAN.**
1" = 80'-0"

1 A2.0 **PROP. FLOOR PLAN LEVEL 1 - (6,955 GR. S.F. + 539 S.F. CVRD. ENTRY)**
1/8" = 1'-0"

LIBERTY TREE ACADEMY

DESIGN APPROVAL

OWNER/ CLIENT:	DATE APPROVED:

COLORADO LICENSED
MARK K. CUEVA
405429
ARCHITECT

carhuff+cueva
architects, llc
3149 e prince rd #151
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phone 520.577.4560
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NEW PARKING LOT FOR:

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD, PEYTON, CO 80831

CONSTRUCTION DOCUMENTS

REVISION	DATE	DESCRIPTION	BY
1	06-23-20	SDP COMMENTS	MF

PROJECT NO. P20-8579

DATE APRIL 1, 2020

SCALE As indicated | DRAWN BY MF

DRAWING TITLE PROPOSED FLOOR PLAN LEVEL 1

DRAWING NUMBER A2.0

4/24/2020 4:13:17 PM

GENERAL NOTES:

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY AND COORDINATION OF INSTALLATION FOR ALL BUILDING MATERIAL.

2. PROVIDE BACKING AT ALL DOOR BUMPERS.

3. PROVIDE DRYWALL CONTROL JOINTS FULL HEIGHT NO MORE THAN 30 FEET APART PER DRYWALL MFR. RECOMMENDATIONS.

4. ALL DOORS IN FRAMED WALLS SHALL BE 4" FROM ADJACENT WALL U.N.O.

5. PROVIDE VINYL CORNER GUARDS AT ALL HALLWAY CORNERS. MECHANICALLY FASTENED. REFERENCE FINISH PLANS.

6. KEYNOTES NOT REFERENCED ON THIS SHEET MAY BE REFERENCED ON ANOTHER SHEET.

7. OWNER TO APPROVE ALL PAINT COLORS, FLOORING, FONTS, GRAPHICS AND FINISHES.

8. PULL DOWN SHADES AT ALL EXTERIOR & INTERIOR WINDOWS.

9. PROVIDE WALL MOUNTED SIGNAGE WITH INSERTS OUTSIDE EACH CLASSROOM PER DETAIL, VERIFY WITH OWNER BEFORE ORDERING.

10. PROVIDE BAG HOOKS TO ALL CLASSROOMS, EXCEPT K-CLASSROOMS WITH CUBBIES PER DETAIL 11/A4.3. COORDINATE LOCATIONS WITH OWNER.

FLOOR PLAN KEYNOTES: (-)

1. WOOD STUD PARTITION PER WALL TYPE SCHEDULE SEE SHEET A0.0.

2. STOREFRONT SYSTEM WITH, CLR ANODIZED ALUMINUM MULLIONS AND DOUBLE PANEL INSULATED CLEAR GLASS. 2" x 10" DEEP MULLIONS AT EXTERIOR & 2" x 4 1/2" DEEP MULLIONS AT INTERIOR.

3. KITCHEN EQUIPMENT AND FIXTURES PER PLUMBING AND ELECTRICAL SHEETS.

4. LAMINATE CMU WALL WITH 5/8" GYP. BD. TEXTURED AND PAINTED.

5. ANODIZED ALUMINUM WINDOW PER SCHEDULE.

6. INTERIOR ROLLER SHADES AT ALL WINDOWS AND STOREFRONT - TYP.

7. MILLWORK PER DETAILS AND FURNITURE BY G.C.

8. WALL MOUNTED PROJECTOR INSTALLED PER MFG. SPECIFICATIONS.

9. 8'-0" OR 6'-0" WIDE X 4'-0" HIGH WHITE BOARD MOUNTED AT +3'-0" ABOVE FINISH FLOOR - TYP. PER LABELS.

10. WALL MOUNTED HI-LOW DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS. PROVIDE CERAMIC TILE AND 5'-0" WAINSCOT.

11. ELECTRIC HOT WATER HEATER, SEE PLUMBING DRAWINGS FOR EXACT SIZE AND REQUIREMENTS - TYP

12. PROVIDE FIRE ALARM CONTROL PANEL (FACP) BY G.C. AND BUILDING SECURITY KEYPAD BY OWNER.

13. 2A:10BC FIRE EXTINGUISHER IN SEMI-RECESSED FIRE EXTINGUISHER CABINET - TYPICAL (SEE SPECIFICATIONS). PROVIDE MINIMUM OF (1) PER 3000 SF OF BUILDING AREA. MAX TRAVEL DISTANCE TO AN FE SHALL NOT EXCEED 75'.

14. ROOF ACCESS LADDER. PROVIDE LOCKABLE ROOF SCUTTLE.

15. ELECTRIC PANELS. PROVIDE CLEAR SPACE IN FRONT OF PANELS PER N.E.C. CODE.

16. EXTERIOR LIGHTING CONTROLS PER ELECTRICAL DRAWINGS.

17. LANDSCAPE TIMER CONTROL PER LANDSCAPE DRAWINGS.

18. ACCENT UP LIGHTING PER ELECTRICAL DRAWINGS.

19. SCHOOL LOGO PAINTED OR INTEGRAL IN FLOORING.

20. PROVIDE JUNCTION BOX FOR POWERED LATCH SYSTEM.

21. FIRE RISER ROOM AND FACP SIGN PER LOCAL FIRE RESCUE.

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26. PROVIDE FLUSH-MOUNTED KNOX BOX, MODEL NO. 3200 SERIES @ +6'-0" A.F.F. ORDER AND INSTALL PER FIRE DISTRICT REQUIREMENTS.

27. COPY MACHINE.

28. HYDRAULIC ELEVATOR LIKE THYSSEN KRUPP ENDURA HMRL PER SPECIFICATIONS, OR EQ.

29. 1-1/2" DIAMETER STEEL PIPE HANDRAIL - PAINTED. MOUNT RAILING AT +2'-10" ABOVE STAIR - TYP.

30. CONCRETE RAMP, MAX SLOPE 1:12.

31. RESERVED.

32. ROLL UP COUNTER SHUTTER

33. MODERNFOLD ACOUSTI-SEAL SINGLE ENCORE PARTITION.

2 A2.1 **KEY PLAN..**
1" = 80'-0"

1 A2.1 **PROPOSED FLOOR PLAN LEVEL 1 CONT.- LOCKER ROOMS**
1/8" = 1'-0"

LIBERTY TREE ACADEMY

DESIGN APPROVAL

OWNER/ CLIENT:	DATE APPROVED:

COLORADO LICENSED
MARK K. CUEVA
405429
ARCHITECT

carhuff+cueva architects, llc
3149 e prince rd #151
tucson, arizona 85716
phone 520.577.4560
www.cca-az.com

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NEW PARKING LOT FOR:

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD,
PEYTON, CO 80831

CONSTRUCTION DOCUMENTS

REVISION	DATE	DESCRIPTION	BY

PROJECT NO. P20-8579

DATE APRIL 1, 2020

SCALE As indicated | DRAWN BY MF

DRAWING TITLE PROPOSED FLOOR PLAN LEVEL 1 CONT..

DRAWING NUMBER A2.1

4/24/2020 4:13:45 PM

GENERAL NOTES:

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY AND COORDINATION OF INSTALLATION FOR ALL BUILDING MATERIAL.

2. PROVIDE BACKING AT ALL DOOR BUMPERS.

3. PROVIDE DRYWALL CONTROL JOINTS FULL HEIGHT NO MORE THAN 30 FEET APART PER DRYWALL MFR. RECOMMENDATIONS.

4. ALL DOORS IN FRAMED WALLS SHALL BE 4" FROM ADJACENT WALL U.N.O.

5. PROVIDE VINYL CORNER GUARDS AT ALL HALLWAY CORNERS. MECHANICALLY FASTENED. REFERENCE FINISH PLANS.

6. KEYNOTES NOT REFERENCED ON THIS SHEET MAY BE REFERENCED ON ANOTHER SHEET.

7. OWNER TO APPROVE ALL PAINT COLORS, FLOORING, FONTS, GRAPHICS AND FINISHES.

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9. PROVIDE WALL MOUNTED SIGNAGE WITH INSERTS OUTSIDE EACH CLASSROOM PER DETAIL, VERIFY WITH OWNER BEFORE ORDERING.

10. PROVIDE BAG HOOKS TO ALL CLASSROOMS, EXCEPT K-CLASSROOMS WITH CUBBIES PER DETAIL 11/A4.3. COORDINATE LOCATIONS WITH OWNER.

FLOOR PLAN KEYNOTES: (-)

1. WOOD STUD PARTITION PER WALL TYPE SCHEDULE SEE SHEET A0.0.

2. STOREFRONT SYSTEM WITH, CLR ANODIZED ALUMINUM MULLIONS AND DOUBLE PANEL INSULATED CLEAR GLASS. 2" x 10" DEEP MULLIONS AT EXTERIOR & 2" x 4 1/2" DEEP MULLIONS AT INTERIOR.

3. KITCHEN EQUIPMENT AND FIXTURES PER PLUMBING AND ELECTRICAL SHEETS.

4. LAMINATE CMU WALL WITH 5/8" GYP. BD. TEXTURED AND PAINTED.

5. ANODIZED ALUMINUM WINDOW PER SCHEDULE.

6. INTERIOR ROLLER SHADES AT ALL WINDOWS AND STOREFRONT - TYP.

7. MILLWORK PER DETAILS AND FURNITURE BY G.C.

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9. 8'-0" OR 6'-0" WIDE X 4'-0" HIGH WHITE BOARD MOUNTED AT +3'-0" ABOVE FINISH FLOOR - TYP. PER LABELS.

10. WALL MOUNTED HI-LOW DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS. PROVIDE CERAMIC TILE AND 5'-0" WAINSCOT.

11. ELECTRIC HOT WATER HEATER, SEE PLUMBING DRAWINGS FOR EXACT SIZE AND REQUIREMENTS - TYP

12. PROVIDE FIRE ALARM CONTROL PANEL (FACP) BY G.C. AND BUILDING SECURITY KEYPAD BY OWNER.

13. 2A:10BC FIRE EXTINGUISHER IN SEMI-RECESSED FIRE EXTINGUISHER CABINET - TYPICAL (SEE SPECIFICATIONS). PROVIDE MINIMUM OF (1) PER 3000 SF OF BUILDING AREA. MAX TRAVEL DISTANCE TO AN FE SHALL NOT EXCEED 75'.

14. ROOF ACCESS LADDER. PROVIDE LOCKABLE ROOF SCUTTLE.

15. ELECTRIC PANELS. PROVIDE CLEAR SPACE IN FRONT OF PANELS PER N.E.C. CODE.

16. EXTERIOR LIGHTING CONTROLS PER ELECTRICAL DRAWINGS.

17. LANDSCAPE TIMER CONTROL PER LANDSCAPE DRAWINGS.

18. ACCENT UP LIGHTING PER ELECTRICAL DRAWINGS.

19. SCHOOL LOGO PAINTED OR INTEGRAL IN FLOORING.

20. PROVIDE JUNCTION BOX FOR POWERED LATCH SYSTEM.

21. FIRE RISER ROOM AND FACP SIGN PER LOCAL FIRE RESCUE.

22. SIGN POSING MAXIMUM OCCUPANCY PER LIFE SAFETY PLAN.

23. PROVIDE ROOF ACCESS SIGN.

24. FDC LOCATION. PROVIDE SIGNAGE PER LOCAL FIRE RESCUE.

25. ELECTRICAL SERVICE ENTRANCE PER ELECTRIC PLANS.

26. PROVIDE FLUSH-MOUNTED KNOX BOX, MODEL NO. 3200 SERIES @ +6'-0" A.F.F. ORDER AND INSTALL PER FIRE DISTRICT REQUIREMENTS.

27. COPY MACHINE.

28. HYDRAULIC ELEVATOR LIKE THYSSEN KRUPP ENDURA HMRL PER SPECIFICATIONS, OR EQ.

29. 1-1/2" DIAMETER STEEL PIPE HANDRAIL - PAINTED. MOUNT RAILING AT +2'-10" ABOVE STAIR - TYP.

30. CONCRETE RAMP, MAX SLOPE 1:12.

31. RESERVED.

32. ROLL UP COUNTER SHUTTER

33. MODERNFOLD ACOUSTI-SEAL SINGLE ENCORE PARTITION.

2 A2.2 **KEY PLAN**
1" = 80'-0"

1 A2.2 **PROPOSED FLOOR PLAN LEVEL 2 - (7,120 GROSS S.F.)**
1/8" = 1'-0"

LIBERTY TREE ACADEMY

DESIGN APPROVAL

OWNER/ CLIENT:	DATE APPROVED:

COLORADO LICENSED ARCHITECT MARK K. CUEVA 405429

carhuff+cueva architects, llc
3149 e prince rd #151
tucson, arizona 85716
phone 520.577.4560
www.cca-az.com

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NEW PARKING LOT FOR:

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD, PEYTON, CO 80831

CONSTRUCTION DOCUMENTS

REVISION	DATE	DESCRIPTION	BY
1	06-23-20	SDP COMMENTS	MF

PROJECT NO. P20-8579

DATE APRIL 1, 2020

SCALE As indicated

DRAWN BY MF

DRAWING TITLE PROPOSED FLOOR PLAN LEVEL 2

DRAWING NUMBER A2.2

4/24/2020 4:14:19 PM

3 / A3.0 **NORTH ELEVATION CONT.**
1/8" = 1'-0"

1 / A3.0 **NORTH ELEVATION**
1/8" = 1'-0"

EXTERIOR BUILDING FINISHES

STANDING SEAM METAL ROOF,
COLOR PER BUILDING ELEVATIONS. PROVIDE PRE-FINISHED ALUM. SOFFIT COLOR TO MATCH ROOF.

WAINSCOT: ADHERED THIN STONE VENEER, MFR: TBD, COLOR: TBD. WITH PRECAST CONCRETE SILL.

WALL: DRYVIT EIFS SYSTEM OR EQ OV/ 1 1/2" EPS FOAM INSULATION. FINE GRAIN SANDBLAST FINISH, (COLOR LIGHT TAN)., PAINT ANY EXPOSED FOUNDATION TO MATCH BLDG.TYP. GREEN (AT GYM ONLY)

WALL ACCENT STRIPE: DRYVIT EIFS SYSTEM OR EQ OV/ 2" EPS FOAM INSULATION. FINE GRAIN SANDBLAST FINISH, (COLOR DARK BROWN).

METAL PANEL:22GA AEP SPAN INC. METAL PANEL PROFILE TBD. (COLOR: REDDISH BROWN AT ALL POPOUTS.

WOOD TIMBERS: FINISH GRADE WOOD, STAIN ALL EXPOSED WOOD MEMBERS AND PROVIDE COMMERCIAL GRADE SATIN POLYURETHANE WATERPROOF SEALER. PRIME AND PAINT STEEL GUSSET PLATES AND BOLTS BLACK.

* NOTE: COLORS AND PAINT SCHEME TO BE APPROVED BY OWNER PRIOR TO ORDERING PAINT.

-CENTER FURNACE VENTS AND LOUVERS IN POPOUTS AND ABOVE WINDOWS, TYP.

LIBERTY TREE ACADEMY

DESIGN APPROVAL

OWNER/ CLIENT:	DATE APPROVED:

COLORADO LICENSED
MARK K. CUEVA
405429
ARCHITECT

carhuff+cueva
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3149 e prince rd #151
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NEW PARKING LOT FOR:

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD, PEYTON, CO 80831

CONSTRUCTION DOCUMENTS

REVISION	DATE	DESCRIPTION	BY

PROJECT NO. **P20-8579**

DATE **APRIL 1, 2020**

SCALE **As indicated** | DRAWN BY **MF**

DRAWING TITLE **EXTERIOR ELEVATIONS**

DRAWING NUMBER **A3.0**

4/24/2020 4:14:55 PM

1 A3.1 **WEST. ELEVATION**
1/8" = 1'-0"

3 A3.1 **SOUTH ELEVATION CONT.**
1/8" = 1'-0"

2 A3.1 **SOUTH ELEVATION**
1/8" = 1'-0"

EXTERIOR BUILDING FINISHES

STANDING SEAM METAL ROOF, COLOR PER BUILDING ELEVATIONS. PROVIDE PRE-FINISHED ALUM. SOFFIT COLOR TO MATCH ROOF.

WAINSCOT: ADHERED THIN STONE VENEER, MFR: TBD, COLOR: TBD. WITH PRECAST CONCRETE SILL.

WALL: DRYVIT EIFS SYSTEM OR EQ OV/ 1 1/2" EPS FOAM INSULATION. FINE GRAIN SANDBLAST FINISH, (COLOR LIGHT TAN)., PAINT ANY EXPOSED FOUNDATION TO MATCH BLDG.TYP. GREEN (AT GYM ONLY)

WALL ACCENT STRIPE: DRYVIT EIFS SYSTEM OR EQ OV/ 2" EPS FOAM INSULATION. FINE GRAIN SANDBLAST FINISH, (COLOR DARK BROWN).

METAL PANEL:22GA AEP SPAN INC. METAL PANEL PROFILE TBD. (COLOR: REDDISH BROWN AT ALL POPOUTS.

WOOD TIMBERS: FINISH GRADE WOOD, STAIN ALL EXPOSED WOOD MEMBERS AND PROVIDE COMMERCIAL GRADE SATIN POLYURETHANE WATERPROOF SEALER. PRIME AND PAINT STEEL GUSSET PLATES AND BOLTS BLACK.

* NOTE: COLORS AND PAINT SCHEME TO BE APPROVED BY OWNER PRIOR TO ORDERING PAINT.

-CENTER FURNACE VENTS AND LOUVERS IN POPOUTS AND ABOVE WINDOWS, TYP.

LIBERTY TREE ACADEMY

DESIGN APPROVAL

OWNER/ CLIENT:	DATE APPROVED:

COLORADO LICENSED ARCHITECT MARK K. CUEVA 405429

carhuff+cueva architects, llc
3149 e prince rd #151
tucson, arizona 85716
phone 520.577.4560
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NEW PARKING LOT FOR:

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD, PEYTON, CO 80831

CONSTRUCTION DOCUMENTS

REVISION	DATE	DESCRIPTION	BY

PROJECT NO. P20-8579

DATE APRIL 1, 2020

SCALE As indicated | DRAWN BY MF

DRAWING TITLE EXTERIOR ELEVATIONS - CONT.

DRAWING NUMBER A3.1

4/24/2020 12:47:15 AM

NOTE: THE POLE MANUFACTURER SHALL PROVIDE A POLE BASE DESIGN FOR 100MPH WIND LOADING WITH A 1.3 GUST FACTOR. THE POLE BASE DESIGN SHALL BE FROM A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ARIZONA. THE STRUCTURAL ENGINEER SHALL VERIFY THE WIND LOADING AND GUST FACTOR CRITERIA ABOVE ARE ADEQUATE FOR THE AREA OF INSTALLATION.

POLE-MOUNTED FIXTURE DETAIL

Date:6/24/2020

G:\Cad Projects\1480-18-Liberty Tree Academy\PHOTOMETRICS\1480-18-7_Phase 2.AGI

WWL Calculation Summary							
Label	**CalcType**	**Units**	**Avg**	**Max**	**Min**	**Avg/Min**	**Max/Min**
Phase 2 levels at grade	Illuminance	Fc	2.47	7.5	0.1	24.70	75.00
Spill at property line	Illuminance	Fc	0.04	1.7	0.0	N.A.	N.A.

WWL Luminaire Schedule						
Symbol	**Qty**	**Label**	**Arrangement**	**Total Lamp Lumens**	**LLF**	**Description**
	6	PL1	SINGLE	12425	0.980	ARE-EDG-4M-DA-06-E-UL-BK-700-40K Mounted at 18 ft afg
	1	PL1ex	SINGLE	12425	0.980	Existing ARE-EDG-4M-DA-06-E-UL-BK-700-40K Mounted at 18 ft afg
	4	PL2	SINGLE	8714	0.980	ARE-EDG-3MB-DA-06-E-UL-BK-700-40K Mounted at 18 ft afg. Provide with Backlight Control Shields XA-20BLS-4.
	4	PL2ex	SINGLE	8714	0.980	Existing ARE-EDG-3MB-DA-06-E-UL-BK-700-40K Mounted at 18 ft afg
	2	PL3ex	SINGLE	10573	0.980	Existing ARE-EDG-4MB-DA-08-E-UL-BK-525-40K Mounted at 18 ft afg. Provide with Backlight Control Shields XA-20BLS-4.
	1	PL4ex	SINGLE	11779	0.980	Existing ARE-EDG-3M-DA-06-E-UL-BK-700-40K Mounted at 18 ft afg
	6	WP1	SINGLE	N.A.	0.970	SEC-EDG-4M-WM-04-E-UL-BK-525-40K Mounted at 12 ft afg

PHOTOMETRIC PLAN

1"=40'-0"

ASEIENGINEERING
2410 w. royal palm rd. suite A, phoenix, AZ 85021
aseiengineering.com o 602.287.0300 f 602.287.0600

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JOB NO: 200300
DFT: BD
DSN: BD
CHK: CS

LIBERTY TREE ACADEMY

DESIGN APPROVAL

OWNER/ CLIENT:	DATE APPROVED:

CHRISTOPHER L. SARMIENTO
40062
08/20/20
PROFESSIONAL ENGINEER
EXPIRES 10/31/2021

carhuff+cueva architects, llc
3149 e prince rd #151
tucson, arizona 85716
phone 520.577.4560
www.cca-az.com
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NEW PARKING LOT FOR:

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD,
PEYTON, CO 80831

CONSTRUCTION DOCUMENTS

REVISION	DATE	DESCRIPTION	BY

PROJECT NO. P20-8579

DATE APRIL 1, 2020

SCALE As Indicated

DRAWN BY Author

DRAWING TITLE PHOTOMETRIC PLAN

DRAWING NUMBER E1.2

4/8/2020 11:21:12 PM

Wild West Lighting 15550 North 84th Street Suite 201 Scottsdale, Arizona 85260 P: 480.368.0809 F: 480.368.0130	Description : Project Name: Notes:	LIBERTY TREE ACADEMY PHASE 2	TYPE: PL1;PL2; PL4EX
		ARE-EDG-4M-DA-06-E-UL-BK-700-40K (TYPE PL1) ARE-EDG-3MB-DA-06-E-UL-BK-700-40K (TYPE PL2) ARE-EDG-3M-DA-06-E-UL-BK-700-40K (TYPE PL4EX)	

Cree Edge™ Series

LED Area/Flood Luminaire

Product Description

The Cree Edge™ Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.
Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

DA Mount

LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

AA/DL/SA Mount - see page 22 for weight & dimensions

Performance Summary

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

*See http://lighting.cree.com/warranty for warranty terms

Accessories

Field-Installed		
Bird Spikes XA-BRDSPK		**Backlight Control Shields** XA-20BLS-4 - Four-pack - Unpainted stainless steel
Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required		

Ordering Information

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

Product	Optic			Mounting*		LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options	
						E						
ARE-EDG	**2M** Type II Medium	**3MB** Type III Medium w/BLS	**4MP** Type IV Medium w/Partial BLS	**AA** Adjustable Arm		**02**	**E**	**UL** Universal 120-277V	**BK** Black	**350** 350mA	**DIM 0-10V Dimming** - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Available for UL applications only - When code dictates fusing, use time delay fuse **HL Hot Leg Cut Circuit Input)** - Refer to HL spec sheet for details - Sensor not included **ML Multi-Level** - Refer to ML spec sheet for details - Intended for downlight applications at 0° tilt **P Photocell** - Refer to ML spec sheet for availability with ML options - Available with UL voltage only	**PML Programmable Multi-Level, 20-40' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **PML2 Programmable Multi-Level, 15-20' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **NEMA® Photocell Receptacle** - Intended for downlight applications with maximum 45° tilt - Photocell by others - Refer to ML spec sheet for availability with ML options **40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire
	2MB Type II Medium w/BLS	**3MP** Type III Medium w/Partial BLS	**5M** Type V Medium	**DA** Direct Arm		**04**		**UH** Universal 347-480V	**BZ** Bronze	**525** 525mA		
	2MP Type II Medium w/Partial BLS	**4M** Type IV Medium	**5W** Type V Medium Short	**DL** Direct Long Arm		**06**			**SV** Silver	**700** 700mA - Available with 20-60 LEDs		
	3M Type III Medium	**4MB** Type IV Medium w/BLS				**08**			**WH** White			
	3MB Type III Medium w/BLS					**10**						
						12						
						14						
						16						
FLD-EDG	**2S** 25° Flood	**3S** 70° Flood	**N4** NEMA® 4	**AA** Adjustable Arm								
	4S 40° Flood	**5M** Sign		**SA** Side Arm - Available with 20-60 LEDs								

* Reference EPA and pole configuration suitability data beginning on page 19
NOTE: Price adder may apply depending on configuration

Rev. Date: V6 12/07/2017

US: lighting.cree.com T (800) 236-4800 F (262) 504-5415 Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

Wild West Lighting 15550 North 84th Street Suite 201 Scottsdale, Arizona 85260 P: 480.368.0809 F: 480.368.0130	Description : Project Name: Notes:	LIBERTY TREE ACADEMY PHASE 2	TYPE: PL1;PL2; PL4EX
		ARE-EDG-4M-DA-06-E-UL-BK-700-40K (TYPE PL1) ARE-EDG-3MB-DA-06-E-UL-BK-700-40K (TYPE PL2) ARE-EDG-3M-DA-06-E-UL-BK-700-40K (TYPE PL4EX)	

Cree Edge™ LED Area/Flood Luminaire

Product Specifications

CONSTRUCTION & MATERIALS
- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-4" (76-102mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

ELECTRICAL SYSTEM
- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (120a–200a) for easy power hookup
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS
- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards when ordered with AA, DA and DL mounts
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified with select SKUs. Refer to https://www.designlights.org/search/ for most current information
- Meets Buy American requirements within ARRA

Electrical Data*

LED Count (x10)	System Watts 120-480V	Total Current (A) 120V	208V	240V	277V	347V	480V
350mA							
02	25	0.21	0.13	0.11	0.10	0.08	0.07
04	46	0.36	0.23	0.21	0.20	0.15	0.12
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.20
10	110	0.92	0.53	0.47	0.41	0.32	0.24
12	130	1.10	0.63	0.55	0.48	0.38	0.28
14	158	1.32	0.77	0.68	0.62	0.47	0.35
16	179	1.49	0.87	0.77	0.68	0.53	0.39
525mA							
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
08	133	1.13	0.66	0.58	0.51	0.39	0.28
10	171	1.43	0.83	0.74	0.66	0.50	0.38
12	202	1.69	0.98	0.86	0.77	0.59	0.44
14	232	1.94	1.12	0.98	0.87	0.68	0.50
16	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0.12
04	93	0.78	0.46	0.40	0.36	0.27	0.20
06	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

Recommended Cree Edge™ Series Lumen Maintenance Factors (LMF)[1]

Ambient	Initial LMF	25K hr Projected[2] LMF	50K hr Projected[2] LMF	75K hr Calculated[3] LMF	100K hr Calculated[3] LMF
5°C (41°F)	1.04	1.01	0.99	0.98	0.96
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.96	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92

[1] Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
[2] Projected values with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times
(6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip)
[3] In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip)

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Wild West Lighting 15550 North 84th Street Suite 201 Scottsdale, Arizona 85260 P: 480.368.0809 F: 480.368.0130	Description : Project Name: Notes:	SEC-EDG-4M-WM-04-E-UL-BK-525-40K LIBERTY TREE ACADEMY	TYPE: WP1

Cree Edge® Series

LED Security Wall Pack Luminaire

Rev. Date: V6 08/29/2019

Product Description

The Cree Edge® wall mount luminaire has a slim, low profile design. The luminaire end caps are made from rugged die cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and mud ring single gang J-Boxes. Secures to wall with four 3/16" (5mm) screws (by others). Conduit entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring. Includes leaf/debris guard.
Applications: General area and security lighting

Performance Summary

Patented NanoOptic® Product Technology

Assembled in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

*See http://creelighting.com/warranty for warranty terms

Accessories

Field-Installed		
Bird Spikes XA-BRDSPK	**Beauty Plate** WM-PLT13** - 13" (305mm) Square WM-PLT14** - 14" (356mm) Square - Covers holes left by incumbent wall packs	**Hand-Held Remote** XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

** Must specify color

LED Count (x10)	Dim. "A"	Weight
02	9.9" (251mm)	20 lbs. (9.1kg)
04	11.9" (303mm)	22 lbs. (10.0kg)
06	13.9" (353mm)	25 lbs. (11.3kg)
08	15.9" (404mm)	27 lbs. (12.2kg)
10	17.9" (455mm)	31 lbs. (14.1kg)
12	19.9" (505mm)	32 lbs. (14.5kg)

SEC-EDG -4M -WM -04 -E -UL -BK -525 -40K

SEC-EDG		WM		E				
Product	**Optic**	**Mounting**	**LED Count (x10)**	**Series**	**Voltage**	**Color Options**	**Drive Current**	**Options**
SEC-EDG	**2M** Type II Medium	**WM** Wall Mount	**02**	**E**	**UL** Universal 120-277V	**BK** Black	**350** 350mA	**DIM 0-10V Dimming** - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Available with PML option **P Photocell** - Must specify UL or 34 voltage **PML Programmable Multi-Level** - Refer to PML spec sheet for details - Intended for downlight applications with 0° tilt **40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire
	2MB Type II Medium w/BLS		**04**			**BZ** Bronze	**525** 525mA	
	2MP Type II Medium w/Partial BLS		**06**		**UH** Universal 347-480V	**SV** Silver	**700** 700mA -Available with 20-80 LEDs	
	3M Type III Medium		**08**		**34** 347V	**WH** White		
	3MB Type III Medium w/BLS		**10**					
	4M Type IV Medium		**12**					
	4MB Type IV Medium w/BLS							

CREE LIGHTING

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Canada: creelighting-canada.com (800) 473-1234

Wild West Lighting 15550 North 84th Street Suite 201 Scottsdale, Arizona 85260 P: 480.368.0809 F: 480.368.0130	Description : Project Name: Notes:	SEC-EDG-4M-WM-04-E-UL-BK-525-40K LIBERTY TREE ACADEMY	TYPE: WP1

Cree Edge® LED Security Wall Pack Luminaire

Product Specifications

CONSTRUCTION & MATERIALS
- Slim, low profile design
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance aluminum heat sinks specifically designed for LED applications
- Housing is rugged aluminum
- Furnished with low copper, light weight mounting box designed for installation over standard and mud ring single gang J-Boxes
- Luminaire can also be direct mounted to a wall and surface wired
- Secures to wall with four 3/16" (5mm) screws (by others)
- Conduit entry from top, bottom, sides, and rear
- Allows mounting for uplight or downlight
- Designed and approved for easy through-wiring
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- **Weight:** See Dimensions and Weight Chart on page 1

ELECTRICAL SYSTEM
- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weathertight J-Box with leads (wire nuts) for easy power hook up
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Consult factory if in-luminaire fusing is required
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20LED (525 & 700 mA) and 40-120 LED: 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS
- cULus Listed
- Suitable for wet locations
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Enclosure rated IP66 per IEC 60529 when ordered without P or PML options
- ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified with select SKUs. Refer to https://www.designlights.org/search/ for most current information
- Meets Buy American requirements within ARRA
- ⚠ **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*

LED Count (x10)	System Watts 120-480V	Total Current (A) 120V	208V	240V	277V	347V	480V
350mA							
02	25	0.21	0.13	0.11	0.10	0.08	0.07
04	44	0.36	0.23	0.21	0.20	0.15	0.12
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.20
10	110	0.92	0.53	0.47	0.41	0.32	0.24
12	130	1.10	0.63	0.55	0.48	0.38	0.28
525mA							
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
08	133	1.13	0.66	0.58	0.51	0.39	0.28
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0.12
04	93	0.78	0.46	0.40	0.36	0.27	0.20
06	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

Cree Edge® Series Ambient Adjusted Lumen Maintenance[1]

Ambient	Initial LMF	25K hr Reported[2] LMF	50K hr Reported[2] LMF	75K hr Estimated[3] LMF	100K hr Estimated[3] LMF
5°C (41°F)	1.04	1.01	0.99	0.98	0.96
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.96	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92

[1] Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LAFT) have been applied to all lumen maintenance factors. Please refer to the Temperature Zone Reference Document for outdoor average nighttime ambient temperatures.
[2] In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED
[3] Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED

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CREE LIGHTING

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JOB NO: 200300
DFT: BD
DSN: BD
CHK: CS

LIBERTY TREE ACADEMY

DESIGN APPROVAL

OWNER/ CLIENT: DATE APPROVED:

Registered Professional Engineer (Civil) CERTIFICATE NO. 27677 CHRIS L. SARMIENTO 06/26/20 Date Signed ARIZONA, U.S.A.
EXPIRES 03/31/2021

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NEW PARKING LOT FOR:

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD, PEYTON, CO 80831

CONSTRUCTION DOCUMENTS

REVISION	DATE	DESCRIPTION	BY

PROJECT NO. P20-8579

DATE APRIL 1, 2020

SCALE As indicated

DRAWN BY Author

DRAWING TITLE EXTERIOR LIGHT FIXTURE CUTSHEETS

DRAWING NUMBER E1.3

4/8/2020 11:21:12 PM