

# HORSESHOE RIDGE SUBDIVISION 1ST AMENDMENT

## LOT 1, BLOCK 1, HORSESHOE RIDGE SUBDIVISION 1ST AMENDMENT

### A PARCEL OF LAND LOCATED IN THE SE 1/4 OF SECTION 28, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN

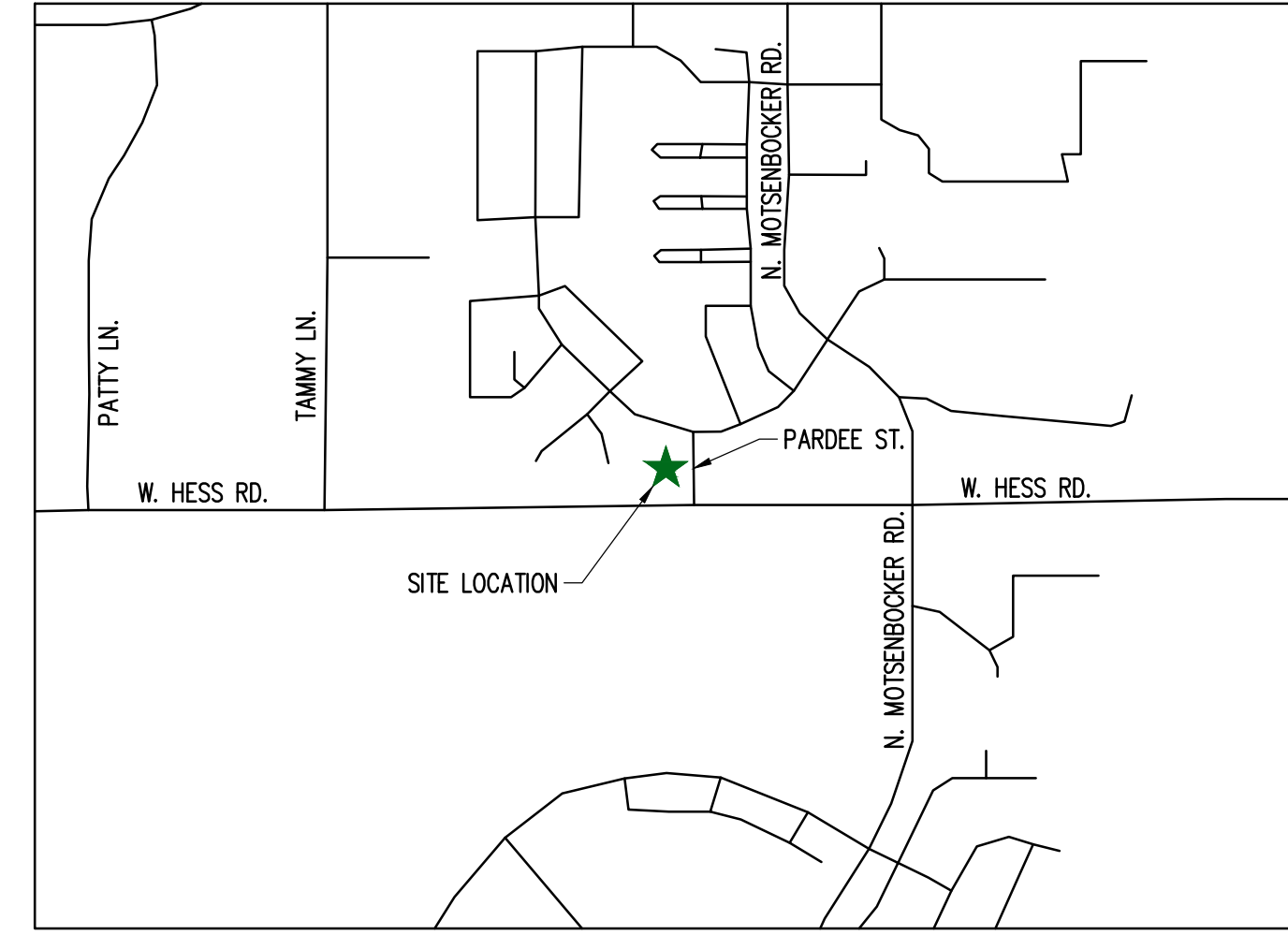
## SITE PLAN REVIEW

### LEGAL DESCRIPTION

LOT 1, BLOCK 1, HORSESHOE RIDGE SUBDIVISION 1ST AMENDMENT

A PARCEL OF LAND LOCATED IN THE SE 1/4 OF SECTION 28, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN

CONTAINING 48,372 SF (1.111 AC), MORE OR LESS.



SCALE 1:1000

### VICINITY MAP

### SHEET INDEX

CV-1.0	COVER SHEET
C-1.0	SITE PLAN
A-1	PROPOSED EXTERIOR ELEVATIONS
A-2	PROPOSED EXTERIOR ELEVATIONS
ESP1.1	PHOTOMETRIC PLAN
ESP1.2	PHOTOMETRIC CUT SHEET
LS 1.0	LANDSCAPE PLAN
LS 1.1	LANDSCAPE DETAILS

### PROJECT CONTACTS:

**PROPERTY OWNER**  
 BRYTAR COMPANIES  
 8117 PRESTON ROAD, #300  
 DALLAS, TX 75225  
 (214) 632-4860  
 CONTACT: SCOTT REMPHREY

**PARKER PUBLIC WORKS**  
 ASSOCIATE PLANNER  
 20120 E. MAIN STREET  
 PARKER, CO 80138  
 (303) 805-3199  
 CONTACT: STACEY NERGER

**APPLICANT**  
 BRYTAR COMPANIES  
 8117 PRESTON ROAD, #300  
 DALLAS, TX 75225  
 (214) 632-4860  
 CONTACT: SCOTT REMPHREY

**GAS**  
 XCEL ENERGY  
 180 LARIMER ST.  
 DENVER, CO 80202  
 (800) 895-2999

**CIVIL ENGINEER**  
 RIDGETOP ENGINEERING AND CONSULTING, LLC  
 541 E. GARDEN DRIVE, UNIT N  
 WINDSOR, CO 80550  
 (970) 663-4552  
 CONTACT: MIKE BEACH, P.E.

**SOUTH METRO FIRE RESCUE AUTHORITY**  
 9195 E. MINERAL AVE.  
 CENTENNIAL, CO 80112  
 (720) 488-7200  
 CONTACT: RANDY CAPRA

**ARCHITECT**  
 ROGUE ARCHITECTURE  
 4100 WADSWORTH BLVD, SUITE 300  
 WHEAT RIDGE, CO 80033  
 (720) 599-3330  
 CONTACT: SCOTT BODUCH

**INTERNATIONAL RURAL ELECTRIC ASSOC.**  
 5496 NORTH US HWY 85  
 P.O. BOX DRAWER A  
 SEDALIA, CO 80135  
 (303) 688-3100  
 CONTACT: BROOK KAUFMAN

**SURVEYOR**  
 PLS GROUP  
 532 WEST 66TH STREET  
 LOVELAND, CO 80538  
 (970) 669-2100  
 CONTACT: BRYAN SHORT

### SITE DATA

BUILDING:	±10,144 SF (0.233 AC)
LANDSCAPE:	±11,430 SF (0.263 AC)
PLAYGROUND:	±4,161 SF (0.096 AC)
SIDEWALK:	±5,239 SF (0.120 AC)
PAVED:	±17,388 SF (0.399 AC)
TOTAL:	±48,373 SF (1.111 AC)

USE:	DAY CARE FACILITY
BUILDINGS:	±10,144 SF
ZONE:	PLANNED DEVELOPMENT

REQUIRED PARKING (1 PER 4 CHILDREN OF LICENSED CAPACITY)  
 170/4 = 42.5 OR 43 PARKING STALLS

STANDARD PARKING PROVIDED	43
HC STALLS	2
TOTAL PARKING PROVIDED	45

BICYCLE PARKING: 8

STANDARD STALL DIMENSIONS: 9' X 19'  
 STALLS NEXT TO LANDSCAPE: 10' X 19'

DRIVE AISLE WIDTH: 25'

### BUILDING DATA

DAY CARE FACILITY	= ± 10,000 SF
TOTAL	= ± 10,000 SF

### TOWN OF PARKER - CONSTRUCTION NOTES

- ALL MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE LATEST EDITION OF THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA MANUAL, AND THE TOWN OF PARKER STORM DRAINAGE AND ENVIRONMENTAL CRITERIA MANUAL.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT. THE TOWN RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- A PRECONSTRUCTION MEETING SHALL BE SCHEDULED A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A PRECONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL THE GRADING PERMIT AND ALL OTHER NECESSARY PERMITS HAVE BEEN OBTAINED.
- A TOWN INSPECTOR SHALL BE CONTACTED A MINIMUM OF 24 HOURS PRIOR TO A NECESSARY INSPECTION. IF A TOWN INSPECTOR IS NOT AVAILABLE AFTER PROPER NOTICE OF CONSTRUCTION ACTIVITY HAS BEEN PROVIDED, THE PERMITTEE MAY COMMENCE WORK IN THE DEVELOPMENT REVIEW ENGINEER'S ABSENCE. HOWEVER, TOWN OF PARKER RESERVES THE RIGHT TO REJECT THE IMPROVEMENT IF SUBSEQUENT TESTING REVEALS AN IMPROPER INSTALLATION.
- LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION CONTACT: DENVER INTER-UTILITY GROUP, 303-534-6700 OR 1-800-922-1987. THE CONTRACTOR SHALL FIELD VERIFY SIZE AND HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING FACILITIES PRIOR TO CONSTRUCTION, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS, APPROVED BY THE TOWN OF PARKER PUBLIC WORKS DIRECTOR, AND ONE (1) COPY OF THE ROADWAY DESIGN AND CONSTRUCTION CRITERIA AT THE JOB SITE AT ALL TIMES.
- ALL PROPOSED STREET CUTS TO EXISTING PAVEMENTS FOR UTILITIES, STORM SEWER OR FOR OTHER PURPOSES ARE LISTED AND REFERENCED BELOW:  
 EXAMPLES: WATER TIE-IN SHEET 3  
 STORM SEWER CONNECTION SHEET 6
- A PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO THE TOWN OF PARKER FOR ACCEPTANCE WITH THE RIGHT-OF-WAY PERMIT USE APPLICATION. A PERMIT WILL NOT BE ISSUED WITHOUT AN APPROVED TRAFFIC CONTROL PLAN FOR USE DURING CONSTRUCTION.
- ALL TRENCHES SHALL BE ADEQUATELY SUPPORTED AND THE SAFETY OF WORKERS PROVIDED FOR AS REQUIRED BY THE MOST RECENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION.
- COMPACTION OF ALL TRENCHES MUST BE ATTAINED AND COMPACTION TEST RESULTS SUBMITTED TO THE DEVELOPMENT REVIEW ENGINEER IN PRELIMINARY FORM PRIOR TO PAVING AND IN FINAL FORM PRIOR TO PROBATIONARY ACCEPTANCE.
- THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION. THE PLAN MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH APPROVAL FROM THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT.
- THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN PROPER TRAFFIC CONTROL DEVICES UNTIL THE SITE IS OPEN TO TRAFFIC. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.
- PLANS ARE APPROVED FOR PERIOD OF 1 (ONE) YEAR FROM THE DATE SHOWN ON THE TOWN OF PARKER SIGNATURE BLOCK. PLANS SHALL BE RESUBMITTED TO THE TOWN FOR APPROVAL AFTER 1 YEAR. THE COST OF THE PLAN RE-REVIEW AND RE-ACCEPTANCE WILL BE CHARGED BACK TO THE DEVELOPER INCLUDING ALL TIME AND EXPENSES OF THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT.
- REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS OR LANDSCAPING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL DAMAGED EXISTING CURB, GUTTER, AND SIDEWALK SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF COMPLETED IMPROVEMENTS.
- ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE STATE OF COLORADO PERMITTING PROCESS FOR "STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY." FOR INFORMATION, PLEASE CONTACT COLORADO DEPARTMENT OF HEALTH, WATER QUALITY CONTROL DIVISION, WQCD-PE-B2, 4300 CHERRY DRIVE SOUTH, DENVER, COLORADO 80222-1530. ATTENTION: PERMITS AND ENFORCEMENT SECTION. PHONE (303) 692-3500.
- IF DEWATERING IS REQUIRED, A STATE CONSTRUCTION DEWATERING DISCHARGE PERMIT IS REQUIRED FOR DISCHARGES TO A STORM SEWER, CHANNEL, IRRIGATION DITCH, ANY STREET THAT IS TRIBUTARY TO THE AFOREMENTIONED FACILITIES, OR ANY WATER OF THE UNITED STATES.
- ALL REFERENCES TO BOOKS, PAGES, MAPS, AND RECEPTION NUMBER ARE PUBLIC DOCUMENTS ON FILE WITH THE COUNTY CLERK AND RECORDER'S OFFICE.

### SIGHT DISTANCE CERTIFICATION:

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THE PROPOSED SUBDIVISION, THE BIG TOOL BOX, IS DESIGNED IN ACCORDANCE WITH THE TOWN OF PARKER SIGHT DISTANCE CRITERIA AND WITH AASHTO POLICY ON GEOMETRIC DESIGN OF HIGHWAY & STREETS.

MICHAEL R. BEACH, PE #45088

### ENGINEER'S CERTIFICATION:

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THE PROPOSED SUBDIVISION, THE BIG TOOL BOX, IS DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA MANUAL, AND THE TOWN OF PARKER STORM DRAINAGE AND ENVIRONMENTAL CRITERIA MANUAL.

MICHAEL R. BEACH, PE #45088

The Town of Parker review constitutes general compliance with the Town's Standards and approved variances, subject to these plans being stamped, signed, and dated by the professional engineer of record. Review by the Town does not constitute approval of the plan design or accuracy and correctness of engineering calculations. Errors in the design or calculations remain the responsibility of the registered professional engineer whose stamp and signature are affixed to this document.

This review does not constitute approval of any private on-site improvements which may be shown. Construction cannot commence until all required drainage/traffic report(s), final development plan(s), special review(s), grading permit, and/or other permits are complete, approved and on file with the Town of Parker.

Town of Parker, Director of Engineering

Date

LOGO



SEAL

PROJECT TITLE

THE LEARNING EXPERIENCE

LOT 1, BLOCK 1  
 HORSESHOE RIDGE  
 PARKER, CO 80134

PREPARED FOR

BRYTAR COMPANIES

8117 PRESTON RD. #300  
 DALLAS, TX 75225

SUBMITTAL

SITE PLAN REVIEW

DRAWN BY: BSA

CHECKED BY: MRB

PROJECT NO.: 18-075-001

REVISIONS

2ND SUBMITTAL 10/31/2019

DATE

5/28/2019

SHEET TITLE

COVER SHEET

SHEET INFORMATION

CV-1

1 of 2

# HORSESHOE RIDGE SUBDIVISION 1ST AMENDMENT

## LOT 1, BLOCK 1, HORSESHOE RIDGE SUBDIVISION 1ST AMENDMENT

### A PARCEL OF LAND LOCATED IN THE SE 1/4 OF SECTION 28, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN

## SITE PLAN REVIEW

### LEGEND

- CONCRETE PAVEMENT
- STANDARD DUTY ASPHALT PAVEMENT
- CONCRETE SIDEWALK PAVEMENT
- LANDSCAPED AREA
- PROPERTY LINE
- CONCRETE CURB & GUTTER
- EASEMENT
- BUILDING SETBACK

### SITE DATA

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 LANDSCAPE: ±11,430 SF (0.263 AC)  
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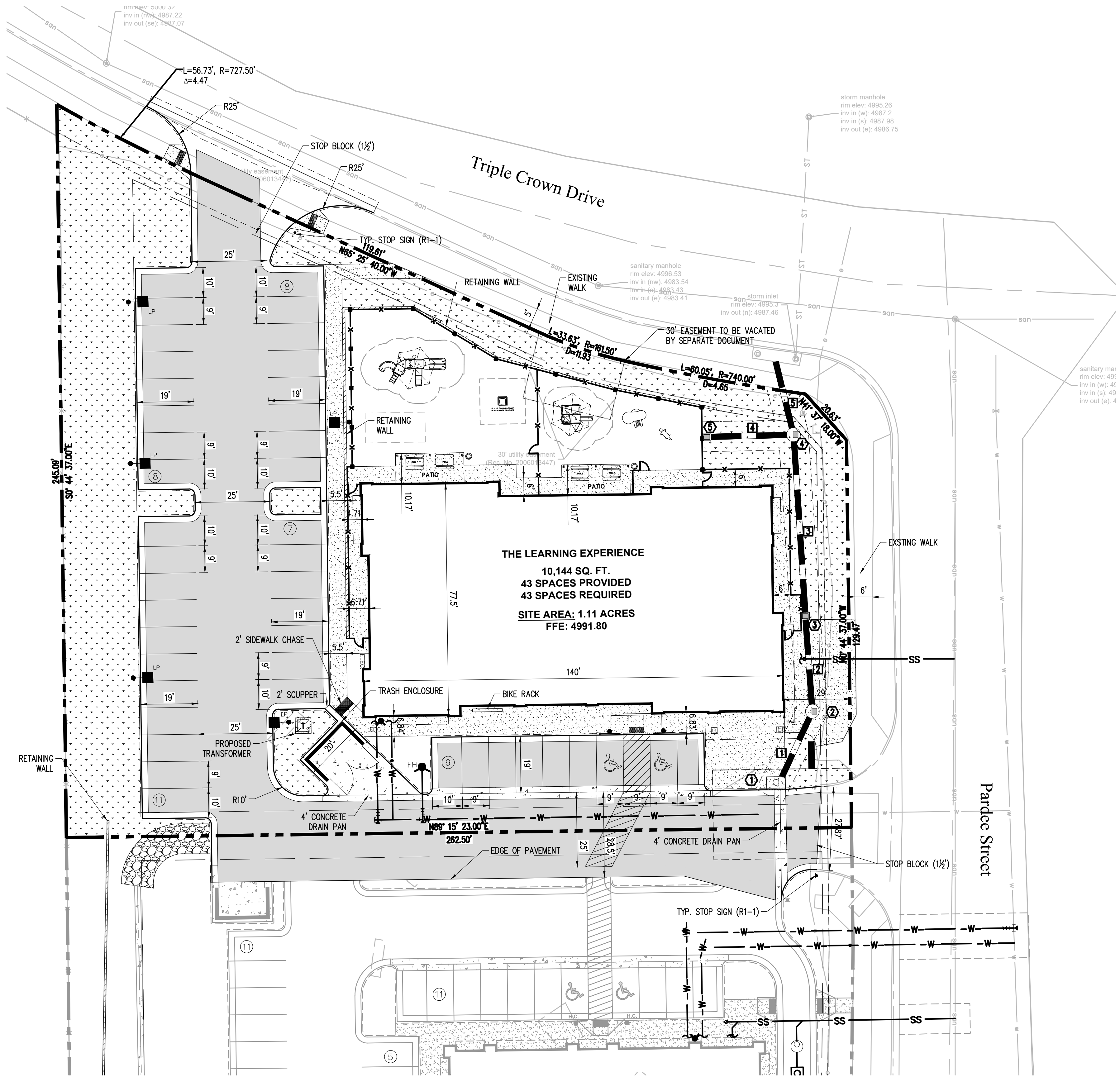
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 HC STALLS: 2  
 TOTAL PARKING PROVIDED: 45

BICYCLE PARKING: 9

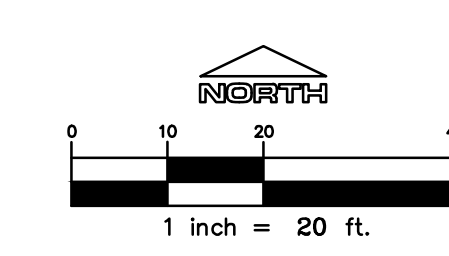
STANDARD STALL DIMENSIONS: 9' X 19'  
 STALLS NEXT TO LANDSCAPE: 10' X 19'

DRIVE AISLE WIDTH: 25'



STRUCTURE TABLE			
#	TYPE	RIM	INVERT
1	TYPE R INLET	RIM = 4991.30	IE OUT: 4988.59 18"
2	48" SDMH	RIM = 4991.45	IE IN: 4988.45 18" IE OUT: 4988.35 18"
3	AREA INLET	RIM = 4992.03	IE IN: 4988.19 18" IE OUT: 4988.09 18"
4	48" SDMH	RIM = 4994.42	IE IN: 4987.79 18" IE IN: 4987.79 18" IE OUT: 4987.69 18"
5	AREA INLET	RIM = 4991.53	IE OUT: 4987.95 18"

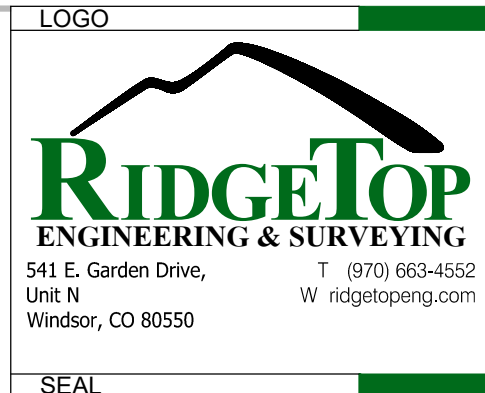
PIPE TABLE				
#	SIZE	LENGTH	MATERIAL	SLOPE
1	18"	29'	RCP	0.50%
2	18"	32'	RCP	0.50%
3	18"	60'	RCP	0.50%
4	18"	29'	RCP	0.55%
5	18"	25'	RCP	0.50%



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Town of Parker, Director of Engineering \_\_\_\_\_ Date \_\_\_\_\_



PROJECT TITLE  
**THE LEARNING EXPERIENCE**

LOT 1, BLOCK 1  
 HORSESHOE RIDGE  
 PARKER, CO 80134

PREPARED FOR  
**BRYTAR COMPANIES**

8117 PRESTON RD. #300  
 DALLAS, TX 75225

SUBMITTAL  
**SITE PLAN REVIEW**

DRAWN BY: BSA  
 CHECKED BY: MRB  
 PROJECT NO.: 18-075-001

REVISIONS  
 2ND SUBMITTAL 10/31/2019

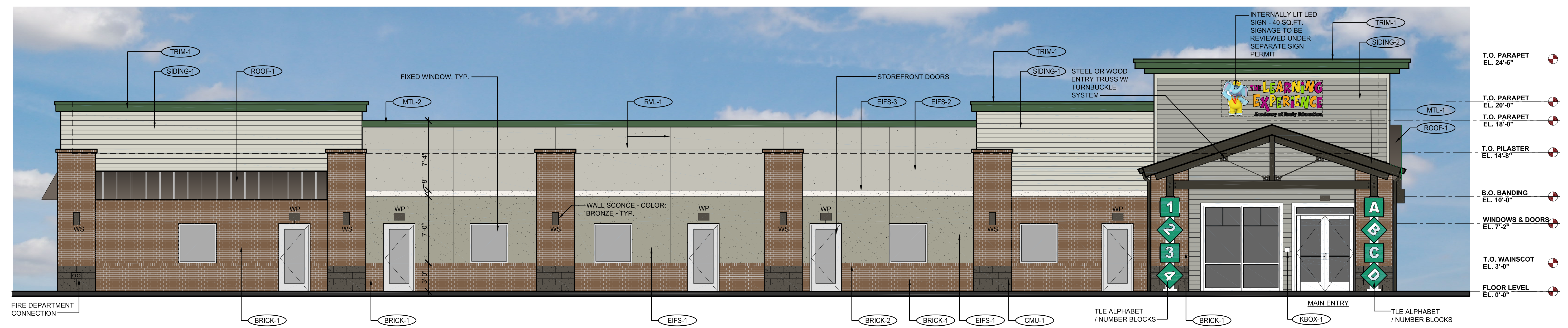
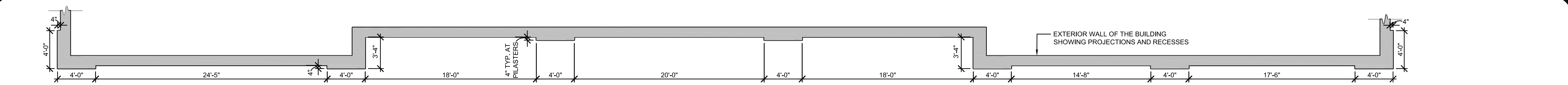
DATE  
**5/28/2019**

SHEET TITLE  
**SITE PLAN**

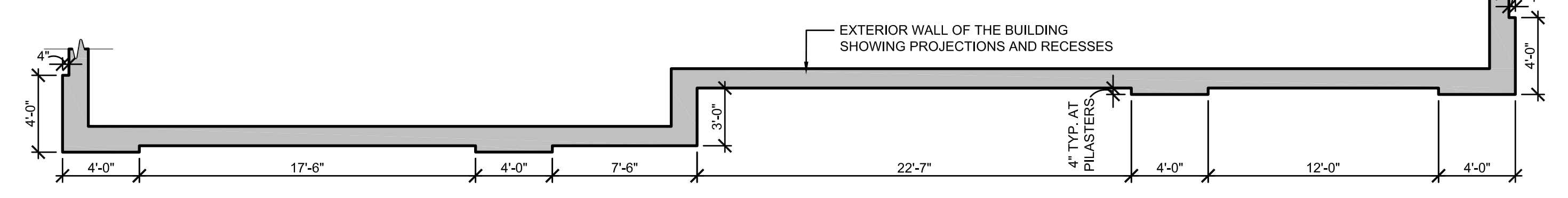
SHEET INFORMATION  
**C-1.0**

2 of 2

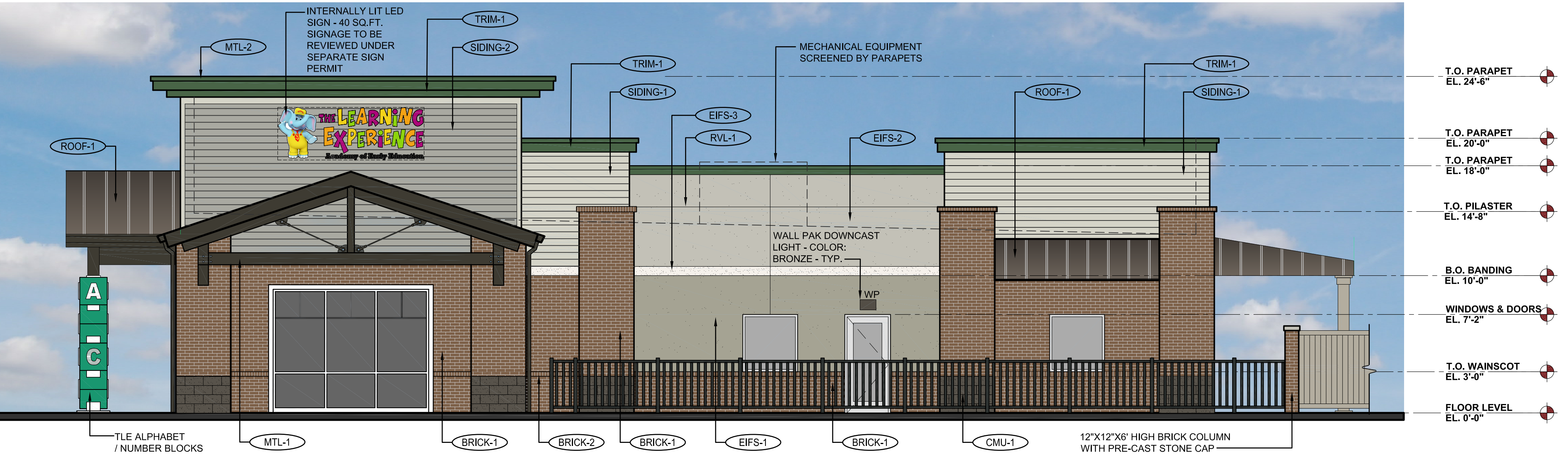
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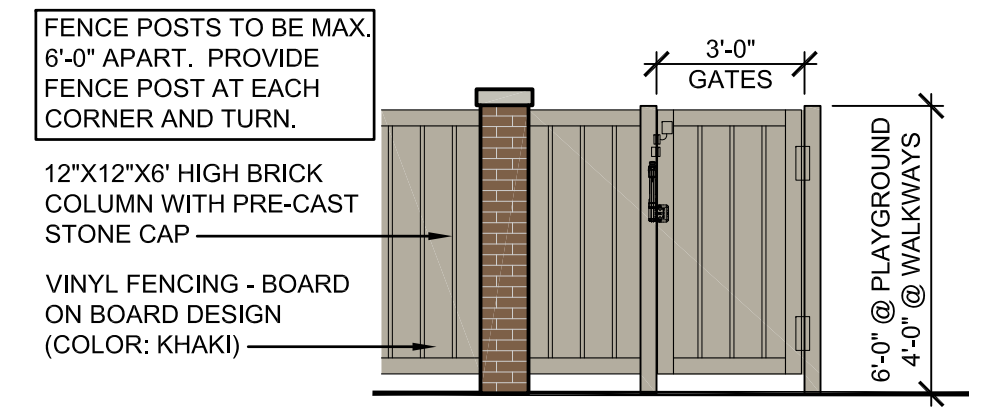
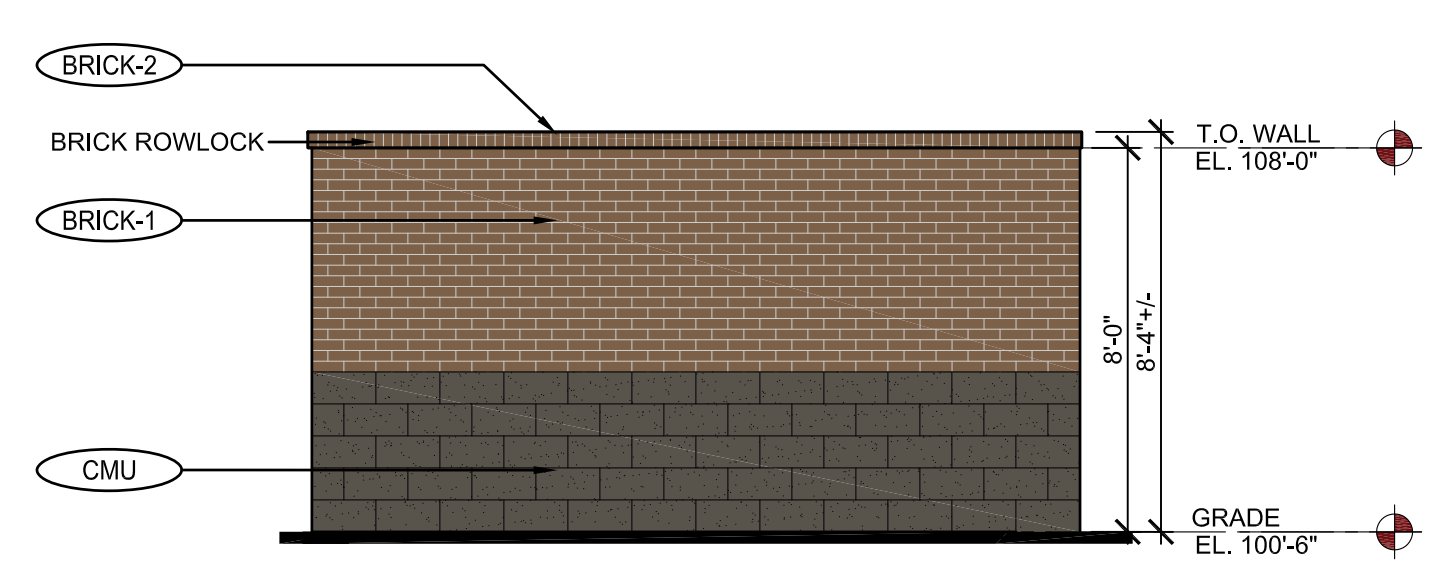
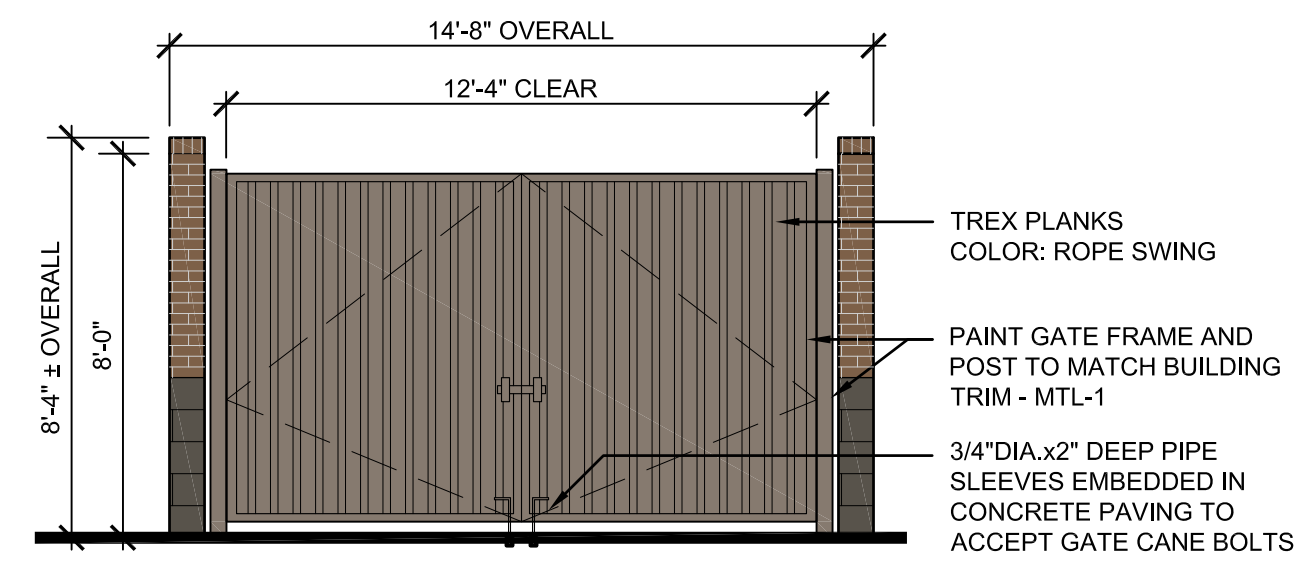
**3 PROPOSED SOUTH ELEVATION**  
 scale: 3/16" = 1'-0"



NOTE: BUILDING SIGNAGE SHOWN FOR REFERENCE ONLY. SIGNAGE SHALL BE REVIEWED UNDER SEPARATE PERMIT.



**2 PROPOSED EAST ELEVATION**  
 scale: 3/16" = 1'-0"



**1 PROPOSED TRASH ENCLOSURE ELEVATIONS**  
 scale: 1/4" = 1'-0"

**4 PROPOSED FENCE ELEVATION**  
 scale: 1/4" = 1'-0"

EXTERIOR MATERIAL SCHEDULE			
LABEL	MANUFACTURER	SIZE/TYPE	FINISH COLOR
STOREFRONT DOOR	KAWNEER	TRIFAB 451	BONE WHITE
FIXED WINDOW	ANDERSEN SILVERLINE V-1	PER WINDOW SCHEDULE	FACTORY PRIMED WHITE
BRICK-1	SUMMIT BRICK (OR EQUIV.)	MODULAR	GRAPHITE GRAIN
BRICK-2	SUMMIT BRICK (OR EQUIV.)	ROWLOCK	GRAPHITE GRAIN
CMU-1	BASALITE (OR EQUIV.)	INTEGRAL COLOR w/ ASSOCIATED CAP	CHARCOAL #605 SPLIT-FACE
EIFS-1	DRYVIT OR SIMILAR	FIELD (DARK)/ WATER MANAGED	DRYVIT SUEDE #105 PEBBLE TEXTURE
EIFS-2	DRYVIT OR SIMILAR	BANDING (LIGHT)/ WATER MANAGED	DRYVIT LITE SERENITY #300 PEBBLE TEXTURE
EIFS-3	DRYVIT OR SIMILAR	FIELD (MEDIUM)/ WATER MANAGED	DRYVIT PRAIRIE CLAY #111 PEBBLE TEXTURE
SIDING-1	JAMES HARDIE	HARDIEPLANK LAP SIDING	COLOR: COBBLESTONE PRODUCT: CEDARMILL
SIDING-2	JAMES HARDIE	HARDIEPLANK LAP SIDING	COLOR: FEATHER GRAY PRODUCT: CEDARMILL
TRIM-1	JAMES HARDIE	HARDIE TRIM BOARDS	PRODUCT: 3/8" SMOOTH COLOR: SW #7048 URBANE BRONZE
ROOF-1	MBCI	METAL ROOFING SYSTEM & AWNINGS	BURNISHED SLATE
MTL-1	BENJAMIN MOORE	STEEL TRUSSES/EXPOSED STEEL	NIGHT SHADE (2116-10)
MTL-2	MBCI	METAL TRIM & DOWNSPOUTS	SW - #0041 HUNTER GREEN
PAINT-1	BENJAMIN MOORE	DOORS & FRAMES	SHERWIN WILLIAMS #6073 PERFECT GREIGE
KBOX-1	KNOX BOX (MAIN ENTRY)	3200 SERIES W/ RECESSED MOUNT FLANGE, HINGE DOOR, & TAMPER SWITCH	COLOR: WHITE (REF. NOTE 2 BELOW)
KBOX-2	KNOX BOX (MECHANICAL ROOM)	1650 SERIES W/ RECESSED MOUNT FLANGE, HINGE DOOR, & TAMPER SWITCH	COLOR: DARK BRONZE (REF. NOTE 2 BELOW)
RVL-1	DRYVIT OR SIMILAR	3/4" ROUTED REVEAL	COLOR TO MATCH ADJACENT FINISH

**THE LEARNING EXPERIENCE**  
 ACADEMY OF EARLY EDUCATION  
 NEC OF HESS ROAD AND PARDEE STREET  
 PARKER, COLORADO

ISSUE			
NO.	DATE	DESCRIPTION	INT.
05.22.2019		PROGRESS REVIEW	
05.28.2019		SITE PLAN SUBMITTAL	
09.18.2019		PROGRESS REVIEW	
10.30.2019		2ND SITE PLAN SUBMITTAL	

REVISION			
NO.	DATE	DESCRIPTION	INT.

**PRELIMINARY**  
 NOT FOR BIDDING OR CONSTRUCTION

Project Number: **2019.13** Scale: **AS NOTED**  
 Drawn By: **ROGUE** Approved By: **SAB**  
 Drawing Name: **PROPOSED EXTERIOR ELEVATIONS**  
 Drawing Number: **A-1**

**ISSUE**

NO.	DATE	DESCRIPTION	INT.
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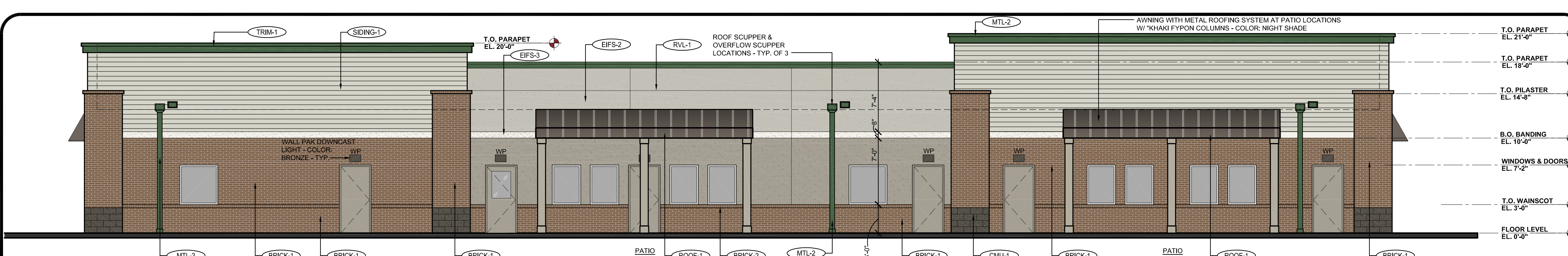
**REVISION**

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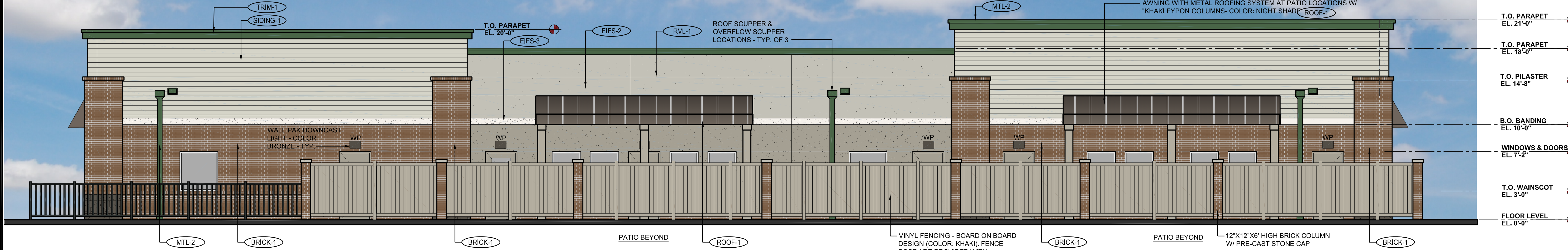
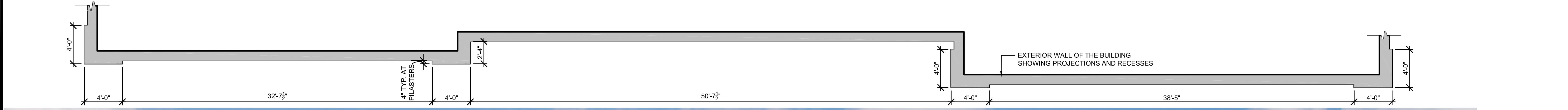
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 NOT FOR  
 BIDDING OR  
 CONSTRUCTION

Project Number: **2019.13** Scale: **AS NOTED**  
 Drawn By: **ROGUE** Approved By: **SAB**  
 Drawing Name: **PROPOSED EXTERIOR ELEVATIONS**  
 Drawing Number: **A-2**

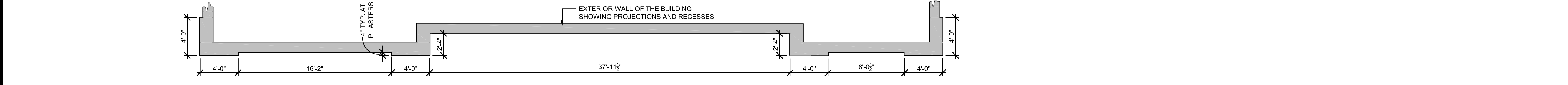
2ND SITE PLAN SUBMITTAL - 10.30.2019



**3 PROPOSED NORTH ELEVATION**  
 scale: 3/16" = 1'-0"  
 PLAYGROUND FENCE HIDDEN TO SHOW COMPLETE BUILDING ELEVATION

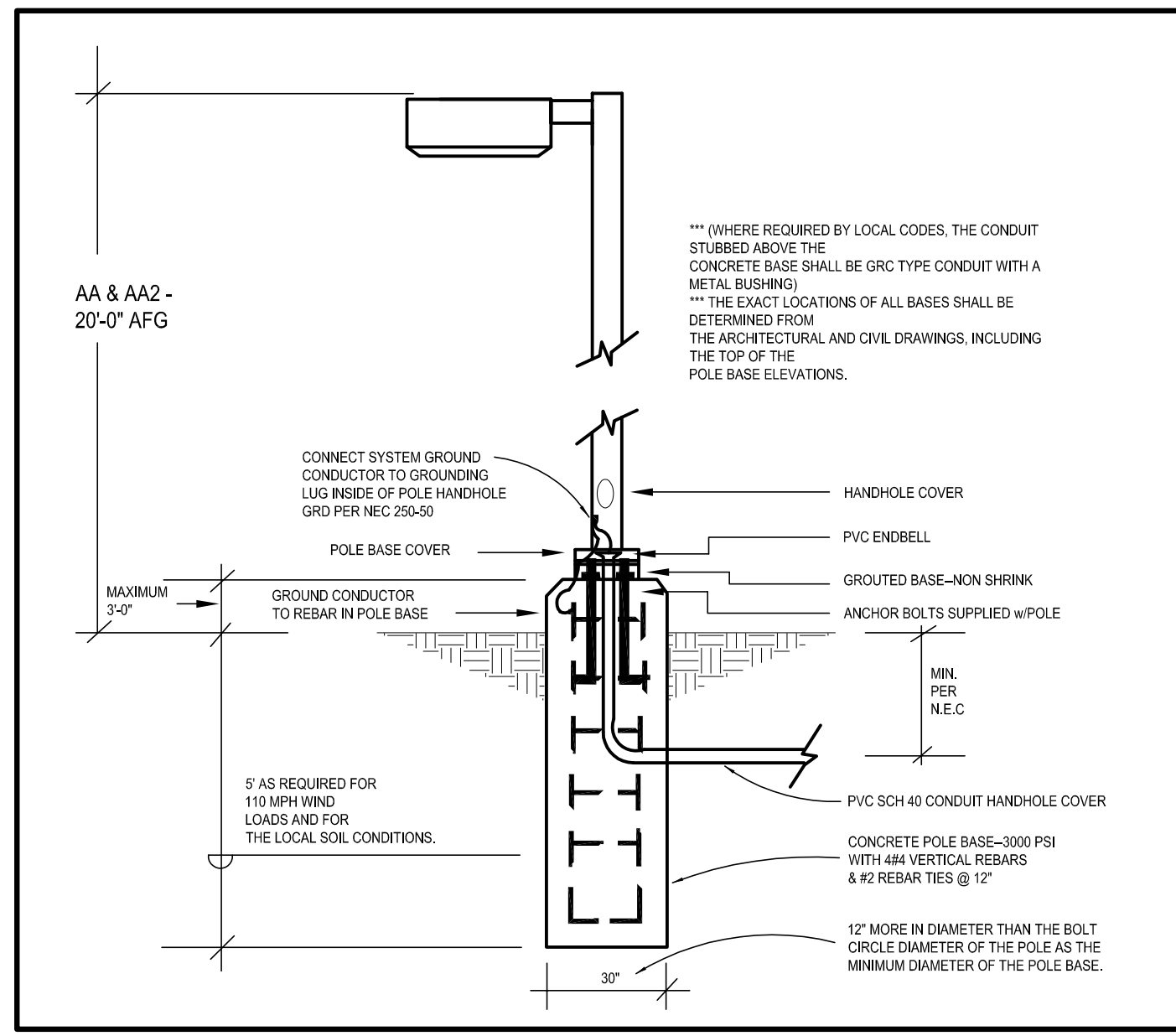


**2 PROPOSED NORTH ELEVATION**  
 scale: 3/16" = 1'-0"  
 PLAYGROUND FENCE SHOWN TO DEPICT VIEW AS SEEN FROM ADJACENT STREET

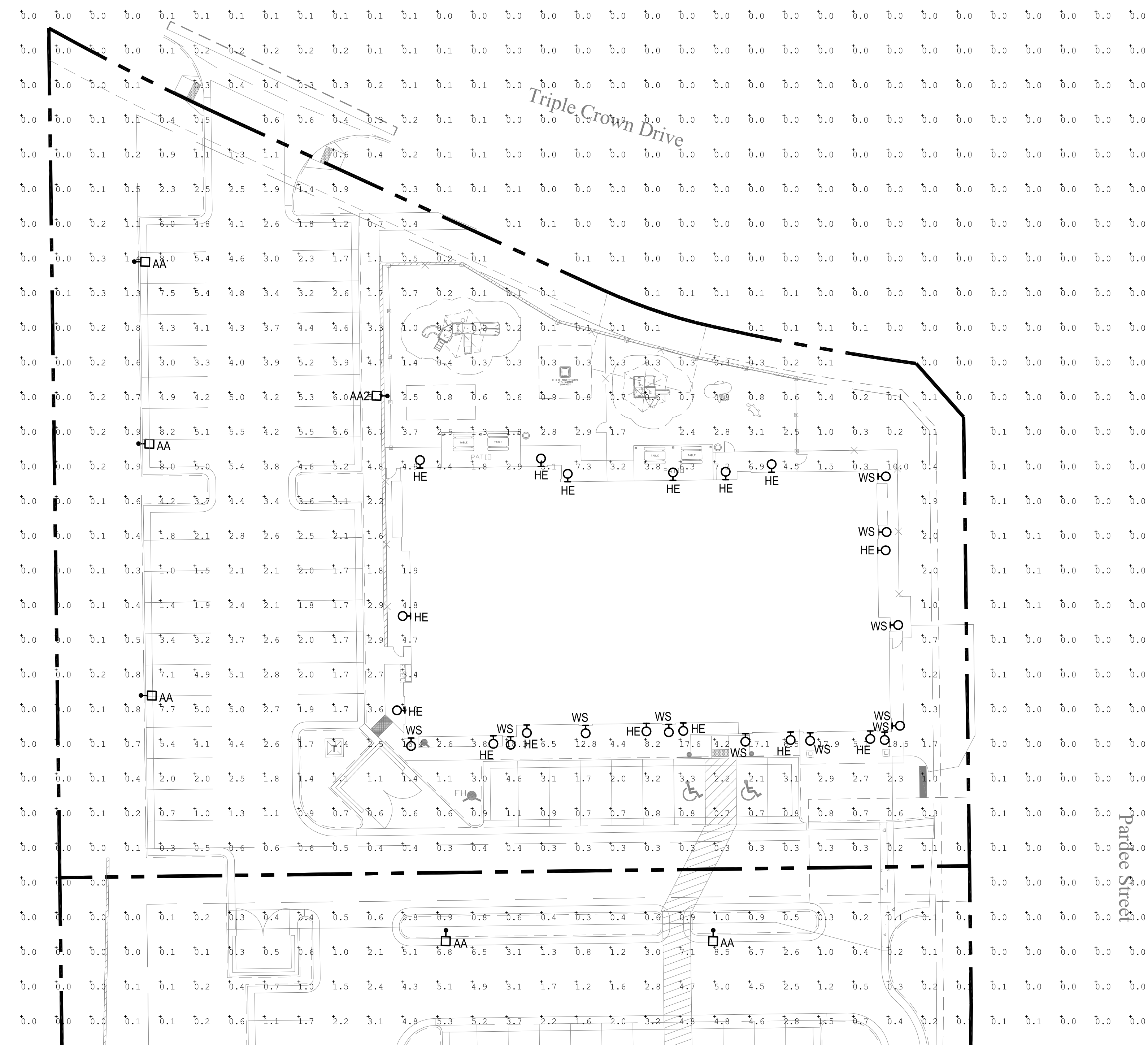


**1 PROPOSED WEST ELEVATION**  
 scale: 3/16" = 1'-0"

D:\PROJECTS\2019.13 - BRYTAR - TLE PARKER, CO\AD\SITE SUBMITTAL\2019.13 - A-2 - PROPOSED ELEVATIONS (COLORED).DWG PPATIL PLOTTED: 10/29/2019



**2 TYPE "AA & AA2" POLE BASE DETAIL**  
 scale: N.T.S.



**1 PHOTOMETRIC SITE PLAN**  
 scale: 1"=20'-0"  
 NORTH

SITE LUMINAIRE SCHEDULE									
FIXT. TYPE	NAME	MANUFACTURER CATALOG NUMBER	FINISH	LAMP DATA	LAMP WATTS	MOUNTING METHOD	MTG HEIGHT	DESCRIPTION	VOLTS
AA	LSI INDUSTRIES	XGBM-FT-SS-128-NW-UE-BLK-SSQB5-507G-20-S-B LK-SF-DGP	BLK	LED	188	POLE	20'-0"	SITE LIGHTING SINGLE HEAD TYPE FT WITH HOUSE SIDE SHIELD	UNV
AA2	LSI INDUSTRIES	XGBM-3-SS-128-NW-UE-BLK-SSQB5-507G-20-S-BL K-SF-DGP	BLK	LED	188	POLE	20'-0"	SITE LIGHTING SINGLE HEAD TYPE 3 WITH HOUSE SIDE SHIELD	UNV
HE	WILLIAMS	WVPHL30/740 TFT-WHT-SDGL-EM/10WC-DIM-UNV	BLK	LED	72	SURFACE	9'-0"	WALL PACK	UNV
WS	CONTECH	CYL6230KM/VUDUXWCLR-BZ-RDB	BRZ	LED	14	SURFACE	6'-0"	WALL SCONCE	UNV

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PROPERTY LINE	Illuminance	Fc	0.24	0.9	0.1	2.40	9.00
TLE PARKING AREA	Illuminance	Fc	3.35	8.2	0.7	4.79	11.71

**THE LEARNING EXPERIENCE**  
 ACADEMY OF EARLY EDUCATION  
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05.28.2019		SITE PLAN SUBMITTAL	
09.18.2019		PROGRESS REVIEW	
10.30.2019		2ND SITE PLAN SUBMITTAL	

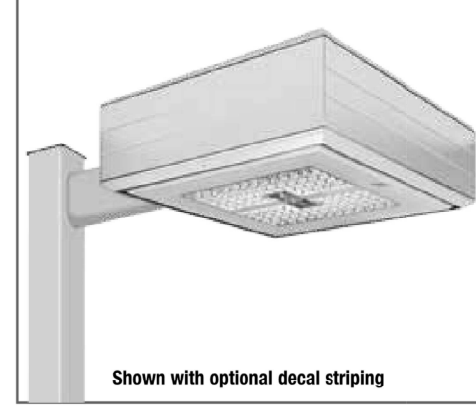
REVISION			
NO.	DATE	DESCRIPTION	INT.

**PRELIMINARY**  
 NOT FOR  
 BIDDING OR  
 CONSTRUCTION

Project Number: 2019.13  
 Scale: AS NOTED  
 Drawn By: ATE  
 Approved By: JCAA  
 Drawing Name: **PHOTOMETRIC PLAN**  
 Drawing Number: **ESP1.1**

2ND SITE PLAN SUBMITTAL - 10.30.2019

**LED AREA LIGHTS - (XGBM)**



Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit [www.lightingfacts.com](http://www.lightingfacts.com) for specific catalog string.

LIGHT OUTPUT - XGBM	Lumen (Nominal)		Type FTA	Watts (Nominal)
	Type 3	Type FT		
SS	14000	13840	15000	16500
SS	20100	18540	20700	23000
HO	26750	25480	29070	31810
SS	16300	15170	17230	18750
HO	22240	20650	23510	25410

LED chips are frequency optically thresholded to maximize efficacy.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.

**RoHS** **FC** **CE** **UL** **IP67** **ARRA** **IP67** **DLC**

Meets or exceeds with ANSI C136-1-1001 American National Standard for Lighting Lighting Equipment - Luminaire Voltage 50 requirements.

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_ 10/16/17 © 2017 LSI INDUSTRIES INC.

**TYPE 'AA & AA2'**

**LED AREA LIGHTS - (XGBM)**

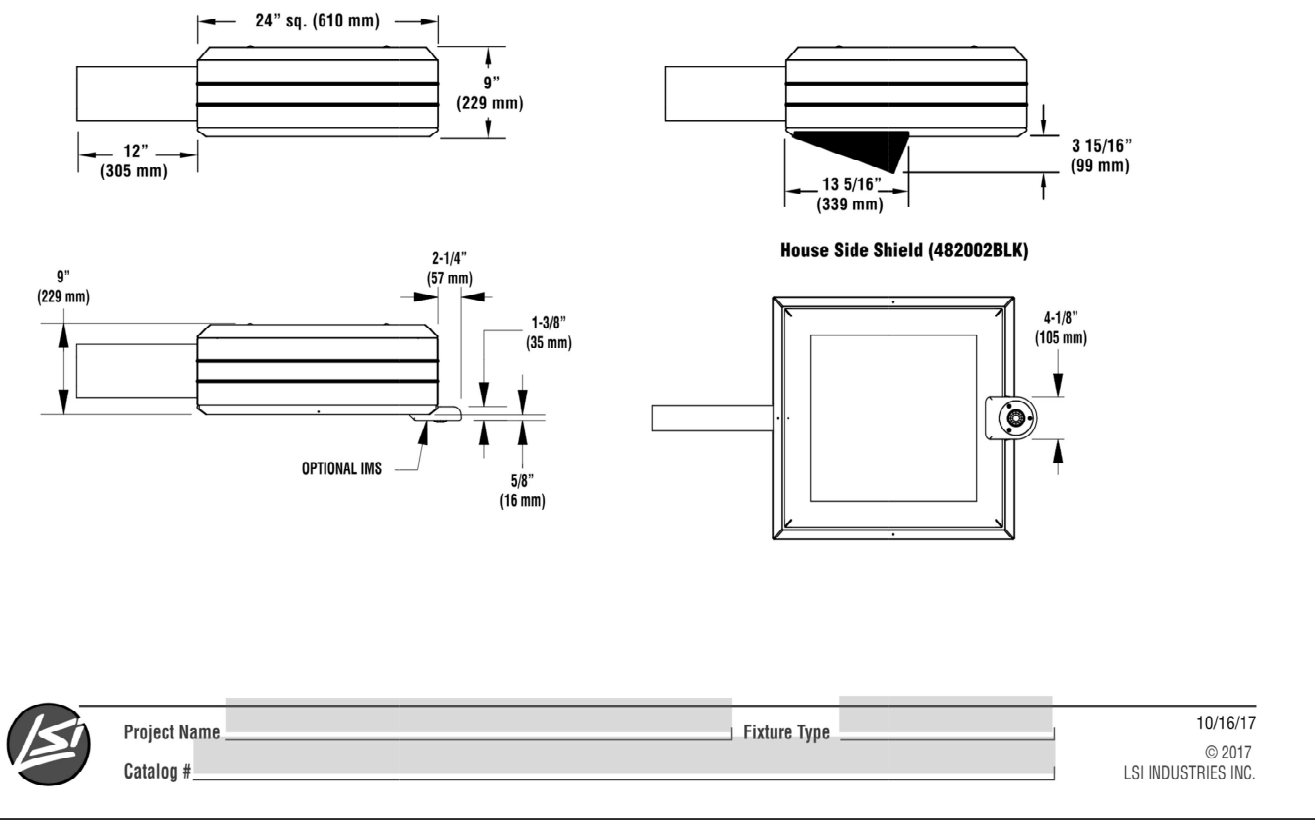
**LUMINAIRE ORDERING INFORMATION**

TYPICAL ORDER EXAMPLE: **XGBM 5 LED HO CW UE WHT PCM**

Prefix	Color/Temperature	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Optional Controls	Optional Sensor Options
XGBM	FT - Upward Throw FTB - Forward Throw Automotive 3 - Type III 5 - Type V	LED	Low High High/Out	CW Cool White Warm White (4000K)	UE - Universal Voltage (120-277V) 347-480V	Black Black - Bronze OPF - Opal MSP - Metallic Silver PLM - Platinum Plus PPL - Super White Green WHT - White	Wavelength Control System <sup>1</sup> IEC - Integral Motor/Driver <sup>2</sup> PDM - Precision Control System PCSB - Precision Control System PC240 - 240V Button-Type Photocell PC277 - 277V Button-Type Photocell GDM - Grid Control System GDMW - Grid Control System with Wavelength Control System DM - 0-10V dimming (optional remote input)	Sensor MAG - Magnetometer <sup>3</sup> PIR - PIR Motion Detector <sup>4</sup> PC200 - 200V Button-Type Photocell PC240 - 240V Button-Type Photocell PC277 - 277V Button-Type Photocell PC347 - 347V Button-Type Photocell

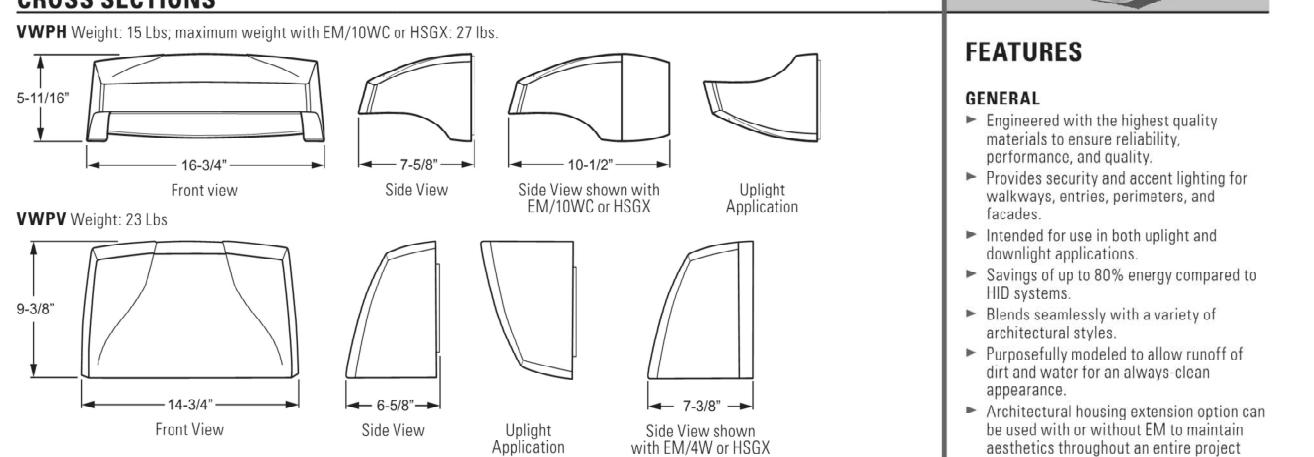
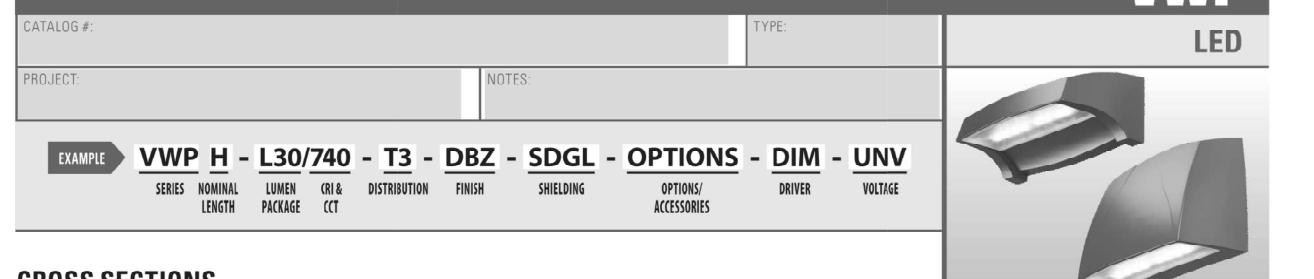
**ACCESSORY ORDERING INFORMATION<sup>2</sup>** (Accessories are field installed)

Description	Order Number	Description	Order Number
XGBM-HSS-House Side Shield (Black only)	45002BLC	EPK208, 240 Double Fixing (208V, 240V)	EPK208,240
RPFP - Round Pole Plate	16291BPL	EPK480 (Single Fixing (480V))	EPK480
WMS-WS-Wall Mount Side - Wall Mount Plate	12311WLP	TKMT Single Fixing (240V)	TKMT
BKA-BG-BA-CLR - Radiant Arm	16870CLR	PMK3100 - 100V Pole Mount Occupancy Sensor	PMK3100,01
800-80-9-C-CL - 800-80-9-C-CL (Square Bracket for round or square poles)	14419CCL	PMK3200-208 - 208V Pole Mount Occupancy Sensor	PMK3200,01
PK-PS-Steel Spigot (190V)	7419SP	PMK3277 - 277V Pole Mount Occupancy Sensor	PMK3277,01
PKZ77 Single Spigot (277V)	PKZ77	PMK3400 - 480V Pole Mount Occupancy Sensor	PMK3400,01



**TYPE 'AA & AA2'**

**VOLTAIRE ARCHITECTURAL WALL PACK**



**ORDERING INFORMATION**

**SERIES**  
VWP - Voltaire Architectural Wall Pack

**TYPE**  
H - Horizontal  
V - Vertical

**LED PACKAGE**  
See back for feature performance info.

LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI	AVERAGE CCT	AVERAGE EFFICACY (lm/w)
L30	3,000	70+ to CR 3000K	35	35
L60	6,000	70+ to CR 5000K	70	70

**DISTRIBUTION**  
T3 - Type III  
T5 - Type V

**FINISH OPTIONS**  
BLK - Black (RAL 4004)  
DBZ - Dark Bronze  
DM - Medium Bronze  
GRAY - Standard Gray  
SLV - Satin Aluminum (RAL #9005)  
WHT - White (RAL #9003)

**SHIELDING**  
SDGL - Solid<sup>1</sup> diffused textured tempered glass lens  
DCL - Clear tempered glass lens

**OPTIONS**  
120 - 120V  
208 - 208V  
277 - 277V  
UNV - 120/277V  
347 - 347V (includes stepdown transformer)  
480 - 480V (includes stepdown transformer)

**ACCESSORIES (VWP only)**  
FSH-01 - Sensor controller for occupancy sensor<sup>3</sup>

**DRIVER**  
DIM - Dimming driver prewired for 0-10V controls

**VOLTAGE**  
120 - 120V  
208 - 208V  
277 - 277V  
UNV - 120/277V  
347 - 347V (includes stepdown transformer)  
480 - 480V (includes stepdown transformer)

**CONDUIT ENTRY**  
Fixtures require housing extension when specified with conduit entry. Conduit entry provided with 1/2" NPT tapered pipe thread and plug. Conduit fitting to be supplied by others.

**EM/10W/C**  
10-watt emergency LED driver, 1000 lumens output, low temperature, includes housing extension (increases fixture depth). IS-277V only not available with CR and CD options.

**OCWS-FSP-211-L**  
Factory-installed occupancy sensor, includes housing extension (increases fixture depth). Specify item, see page 2 for details. Optional CR-100 sensors controller available, ordered separately, see accessories.

**GENERAL**  
Engineered with the highest quality materials to ensure reliability, performance, and safety.  
Provides security and accent lighting for walkways, entries, porches, and facades.  
Intended for use in both bright and dim-light applications.  
Savings of up to 80% energy compared to HID systems.  
Beams seamlessly with a variety of architectural styles.  
Physically isolated to allow runoff of dirt and water for an always-dry appearance.  
Architectural housing extension option can be used with or without EM to maintain aesthetics throughout an entire project.  
Optional energy-saving photocell/occupancy sensor available.  
Available in six standard finish options.  
Made Right Here™ in the USA.

**THERMAL**  
Integral die-cast aluminum heat sink provides optimal passive thermal management.  
Concealed heat sink design preserves architectural appearance.  
Rated for -30 C to 40 C ambient operating temperature (0 C to 100 F) with EM/10W/C, 0 C to 38 C with EM/4W/C.

**OPTICAL**  
Specific precision optics produce standard beam distributions.  
Full cutoff, dark sky compliant optics (downlight only) place light where it's needed, not where it's not.

**ELECTRICAL**  
0-10V dimming standard.  
100,000+ hour projection standard.  
LED system is designed to minimize electrical connection points for increased reliability.

**WARRANTY**  
5-year limited warranty on LED components.  
3-year limited warranty on housing and accessories.

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**FEATURES**

**GENERAL**  
Engineered with the highest quality materials to ensure reliability, performance, and safety.  
Provides security and accent lighting for walkways, entries, porches, and facades.  
Intended for use in both bright and dim-light applications.  
Savings of up to 80% energy compared to HID systems.  
Beams seamlessly with a variety of architectural styles.  
Physically isolated to allow runoff of dirt and water for an always-dry appearance.  
Architectural housing extension option can be used with or without EM to maintain aesthetics throughout an entire project.  
Optional energy-saving photocell/occupancy sensor available.  
Available in six standard finish options.  
Made Right Here™ in the USA.

**THERMAL**  
Integral die-cast aluminum heat sink provides optimal passive thermal management.  
Concealed heat sink design preserves architectural appearance.  
Rated for -30 C to 40 C ambient operating temperature (0 C to 100 F) with EM/10W/C, 0 C to 38 C with EM/4W/C.

**OPTICAL**  
Specific precision optics produce standard beam distributions.  
Full cutoff, dark sky compliant optics (downlight only) place light where it's needed, not where it's not.

**ELECTRICAL**  
0-10V dimming standard.  
100,000+ hour projection standard.  
LED system is designed to minimize electrical connection points for increased reliability.

**WARRANTY**  
5-year limited warranty on LED components.  
3-year limited warranty on housing and accessories.

**TYPE 'WS'**

**CONTECH LIGHTING** | a **LEVITON** company

**CYL6**  
6" Integrated LED Indoor and Outdoor Cylinders

Specifications/Features  
Specification grade 6" diameter aluminum housing for indoor and outdoor applications.  
Four mounting options available: ceiling, flexible cable, pendant, or wall mount. Wall mount option is available in an up light, down light, or an up/down light version.  
Driver canopy for flexible cable option is 16 gauge steel. Ceiling, pendant, up/down, wall mount down light, and wall mount up light versions are available in either dry/damp/indoor or wet (outdoor) location types. Flexible cable version is only available in dry/damp location type.  
Wet location type cylinders feature a silicone sealed clear glass lens in a gasketed die-cast trim ring to ensure unit is water tight. Available in matte white, matte black, matte silver, and satin bronze finishes. Black flexible cable with black or bronze cylinders, white with white and gray with silver.  
Optical system employs either a clear or platinum reflector. Clear reflector is available in narrow, medium and wide beam distributions. Platinum is only available in a single beam distribution.  
Wall Wash and Pencil Beam optic accessories are also available on select models.

**Mounting**  
Pendant mount cylinders feature a sloped ceiling canopy (canopy and stem kit ordered separately). Stem thread: 1/4-18NPS.  
Ceiling and Pendant cylinders provide a hang support for hands-free wiring.  
Pendant mount max length is 8'. Consult factory for longer lengths.  
Wall mount cylinders employ a bracket which provides support for hands-free wiring.  
Flexible cable mount cylinders come with 120" of field adjustable cable.

**Lamp/Electrical**  
Light engine consists of a high output multi-chip LED array arranged into a single LED package, enabling precise optical control without requiring lenses to diffuse multiple LED sources. Excellent feature-to-feature color consistency with a 3-step MacAdam Ellipse tolerance.  
System designed and rated for 50,000 hours at 70% lumen maintenance.  
UL8750 and Class 2 compliant: RoHS compliant, U.S. only. Output over voltage, over current and short circuit protected. Flexible cable cylinder utilizes 18/3 SJTOW cable.

**Dimming**  
All CYL6 cylinders are available for non-dimming and dimming applications.

**Warranty**  
This complete fixture is covered by Contech's full five (5) year replacement guarantee after date of purchase.

**Labels/Usage**  
cUL585 Certified for use in the U.S. and Canada.  
Ceiling, Pendant, Up/Down, and Wall mount models available as Damp/Dry or Wet location models. Flexible Cable mount only available as Damp/Dry location model. Wet location models must be installed per specific product installation instructions and all applicable National Electrical Codes.  
Energy Star Certified for all mounting options except the Up/Down Wall Mount, Pencil Beam, and Wall Wash Trim Assemblies in the U.S.A.

1-847-559-5500 [www.contechlighting.com](http://www.contechlighting.com) Please Recycle All specifications subject to change without notice.

**CONTECH LIGHTING** | a **LEVITON** company

**CYL6**  
6" Integrated LED Indoor and Outdoor Cylinders

Ordering Information  
Example Order: **CYL6127KMVD4FCXNCLR - BZ CSK12-BZ**

Fixture: LED Series Color Temp Driver/Dimming Mounting Mounting Location Reflector Finish

CYL6	LED Series	Color Temp	Driver/Dimming	Mounting	Mounting Location	Reflector	Finish
1	10W, 1000lm	27K	2700K MVD	120V/277V 10W, 10V, 0-10V Dimming	C Ceiling Mount, F Flexible Cable, P Pendant Mount, W Wall Mount	Interior Dry/Damp (Leave Blank) Exterior/Wet	NCLR Narrow, Clear Alzak MCLR Medium, Clear Alzak WCLR Wide, Clear Alzak P Matte White, W* Matte Silver
2	14W, 14000lm	30K	3000K MVD	120V/277V 14W, 14V, 0-10V Dimming	C Ceiling Mount, F Flexible Cable, P Pendant Mount, W Wall Mount	Interior Dry/Damp (Leave Blank) Exterior/Wet	NCLR Narrow, Clear Alzak MCLR Medium, Clear Alzak WCLR Wide, Clear Alzak P Matte White, W* Matte Silver
3	20W, 20000lm	50K	5000K MVD	120V/277V 20W, 20V, 0-10V Dimming	C Ceiling Mount, F Flexible Cable, P Pendant Mount, W Wall Mount	Interior Dry/Damp (Leave Blank) Exterior/Wet	NCLR Narrow, Clear Alzak MCLR Medium, Clear Alzak WCLR Wide, Clear Alzak P Matte White, W* Matte Silver
4	28W, 28000lm	27K	2700K MVD	120V/277V 28W, 28V, 0-10V Dimming	C Ceiling Mount, F Flexible Cable, P Pendant Mount, W Wall Mount	Interior Dry/Damp (Leave Blank) Exterior/Wet	NCLR Narrow, Clear Alzak MCLR Medium, Clear Alzak WCLR Wide, Clear Alzak P Matte White, W* Matte Silver
5	37W, 37000lm	30K	3000K MVD	120V/277V 37W, 37V, 0-10V Dimming	C Ceiling Mount, F Flexible Cable, P Pendant Mount, W Wall Mount	Interior Dry/Damp (Leave Blank) Exterior/Wet	NCLR Narrow, Clear Alzak MCLR Medium, Clear Alzak WCLR Wide, Clear Alzak P Matte White, W* Matte Silver
6	43W, 43000lm	40K	4000K MVD	120V/277V 43W, 43V, 0-10V Dimming	C Ceiling Mount, F Flexible Cable, P Pendant Mount, W Wall Mount	Interior Dry/Damp (Leave Blank) Exterior/Wet	NCLR Narrow, Clear Alzak MCLR Medium, Clear Alzak WCLR Wide, Clear Alzak P Matte White, W* Matte Silver

**DRIVER AVAILABILITY MATRIX**

Driver <sup>1</sup>	MVD	1203	MVD4	MVD6	MVD7	MVD8	MVD9	MDMX	3402
Mounting	C	All Series	All Series	All Series	Thru Series 5	Thru Series 5	Thru Series 5	N/A	All Series
FC	All Series	All Series	All Series	Thru Series 5	Thru Series 5	Thru Series 5	Thru Series 5	N/A	All Series
P	All Series	All Series	All Series	Thru Series 5	Thru Series 5	Thru Series 5	Thru Series 5	N/A	All Series
W	All Series	All Series	All Series	All Series	All Series	All Series	All Series	All Series	All Series
U	All Series	All Series	All Series	All Series	All Series	All Series	All Series	All Series	All Series
UD	All Series	All Series	All Series	Thru Series 5	Thru Series 5	Thru Series 5	Thru Series 5	N/A	All Series
T/C	All Series	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

<sup>1</sup>Due to driver size, not all mounting options are compatible with all driver options.

Stem Kit - Pendant Mount Only

CSK6-(B,BZ,P,S) - 6" Stem Kit  
CSK12-(B,BZ,P,S) - 12" Stem Kit  
CSK18-(B,BZ,P,S) - 18" Stem Kit  
CSK24-(B,BZ,P,S) - 24" Stem Kit  
CSK30-(B,BZ,P,S) - 30" Stem Kit  
CSK36-(B,BZ,P,S) - 36" Stem Kit  
CSK48-(B,BZ,P,S) - 48" Stem Kit

1. Flexible Cable version only available in dry/damp location type.  
2. Consult factory when different beam, color temperature, or lumen packages are required in a single Up/Down cylinder.  
3. Beam Mount canopy only available with HSSX. Driver available in 120V, 208V, 277V, and 480V. Finish colors with beam track angles.  
4. Wall Wash (WW) and Pencil Beam (PB) will not be available except Up/Down cylinder with series 5 or 6 LED module. Beam reflector designation blank.  
5. Field Span (FS) will not be available except Up/Down cylinder with series 5 or 6 LED module. Beam reflector designation blank.  
6. Consult factory for RDR options on Up/Down LED luminaires.  
7. RDR option only available with MVD driver option. RDR enclosure must be installed in a Dry/Damp location.

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NOTICE: ALL LIGHT SOURCES ARE FULL CUT-OFF

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**ISSUE**

NO.	DATE	DESCRIPTION	INT.
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Project Number: 2019.13 Scale: AS NOTED  
Drawn By: ATE Approved By: JCAA  
Drawing Name: PHOTOMETRIC CUT SHEETS  
Drawing Number: ESP1.2

JCAA  
4100 Wadsworth Blvd., Wheat Ridge, CO 80033 2/19/2018 # 15.086

2019.Q1.01 CO PARKER (HESS)

2ND SITE PLAN SUBMITTAL - 10.30.2019



