

### GENERAL NOTES

- The Contractor shall bring any discrepancies or conflicts in the documents to the attention of the Architect.
- The Contractor shall visit and examine the work site and become familiar with the nature of the area, utility locations, the scope of the work and the potential difficulties that may attend to the execution of the work. The submission of a proposal or bid by the Contractor will be construed as evidence that a site examination and a thorough examination of the Contract Documents has been made. Later claims for labor, equipment or materials required to overcome difficulties encountered which could have been foreseen, had such an examination been made, will not be recognized.
- All materials called out in the drawings and specifications are intended to indicate the level of quality required. If the Contractor wishes to substitute another material which is equal or superior in quality but more readily available or less expensive than the material called out, such material and its specifications data shall be submitted to the Architect along with related extras or credits, for the approval of the Architect.
- No material which is NOT called out in the drawings or in the specifications shall be used unless it is first submitted to and approved by the Architect. Any such material put in place without first being approved shall be removed by the Contractor and replaced by the proper material to the satisfaction of the Architect and at no extra charge to the Owner
- All floor and roof framing - joists, rafters, trusses, etc., - shall be installed as shown on the structural engineering drawings and in strict conformance to the manufacturer's specifications and recommendations including the type and location of attachments, blocking and web stiffeners.
- The Contractor shall provide proper, substantial blocking, backing and supports within stud walls for the firm support of all cabinets, shelving, handrails, light fixtures, plumbing fixtures, etc.
- Seismic / earthquake engineering requirements dictate special construction procedures and connections. All work related to construction details, materials, supports and fasteners shown or required, shall be performed in strict accordance with the requirements of the structural engineering drawings and applicable building codes. Any proposed modification to a structural connection or detail must be approved in advance by the Structural Engineer and/or the Architect.
- The Contractor shall take such precautions as are necessary to protect and safeguard the work and the Owner's property during the progress of the work. Any damage caused to the work or to the Owner's property during the course of the construction through the fault or negligence of the Contractor, shall be completely repaired by the Contractor to the satisfaction of the Owner and the Architect at the contractor's expense.
- All work must be performed and constructed in accordance with all applicable codes, regulations and ordinances. Should any information on the drawings or in the specifications not be in compliance, the Contractor shall bring the item to the attention of the Architect and resolve it before any affected construction begins. Should the Contractor knowingly construct any part of the work in non-compliance with any code, the Contractor shall bear full responsibility for correcting the work and for making it code compliant.
- The Contractor shall arrange for and schedule all required inspections and shall secure or cause the securing of all required permits and approvals.
- Contractors, subcontractors and materials suppliers shall provide and submit Notice of Right to Lien and Lien Waivers for their work and for the work of all subcontractors as required by Wyoming law and at appropriate times during the progress of the work and at the completion of the work.
- Do not scale the drawings for dimensions. Use the dimensions indicated or obtain additional required dimensions from the Architect. Unsatisfactory work resulting from scaling the drawings or assuming incorrect dimensions shall be corrected by the Contractor at no additional expense.
- The Contractor shall verify all dimensions with field measurements and shall bring issues arising from such measurements to the attention of the Architect. All construction made or materials ordered from dimensions called out on the drawings but not checked with field dimensions shall be corrected by the Contractor at no additional expense.
- The Contractor shall maintain a complete current set of all Construction Documents - drawings, sketches, specifications and related materials - available on the construction site at all times. When revised drawings are issued the Contractor shall replace the affected drawings with the revised drawings. Any work wrongly constructed or materials ordered from obsolete drawings shall be corrected by the Contractor at no additional expense to the Owner.
- The Contractor shall assure that there is adequate accessibility for the delivery, installation, removal and maintenance of all items of the work as installed in the building in their proper locations and configuration. Where constrictions occur - i.e. a narrow doorway, etc. - the Contractor shall notify the Architect in time to make adequate corrections.
- The Contractor shall maintain the construction site in an orderly state; materials and equipment shall be organized so that they do not inhibit the natural process and progress of the work. The Contractor shall periodically clean the built areas of the work during the progress of the construction and remove all rubbish and debris as soon as is practical so that the progress of the work is not hampered.
- All debris and associated materials and trash shall be removed from the site and disposed of legally. The complete cleaning of the finished work including the cleaning of the glass and the removal of finger marks, etc., shall be performed at the time of completion and to the satisfaction of the Architect and Owner.
- The Contractor shall keep the Architect and Owner informed as to the schedule and progress of the work and shall perform the work in accordance with a complete project schedule submitted and accepted before the work begins.
- Radon vents shall comply with the applicable Code. Refer to the mechanical drawings and coordinate locations of radon pipes shown on the architectural and mechanical drawings. Provide 4" diameter, schedule 30 PVC pipe continuous at interior perimeter of all below grade slabs and connect to similar vertical pipe labeled "radon vent" continuous from under slab or crawl space gravel bed to rain cap terminus above roof. Radon vents shall be placed so that a future fan may be installed if necessary. Potential radon entry routes such as floor openings and concrete joints shall be sealed with polyurethane sealant applied in accordance with manufacturer's recommendations. Condensate drains shall be trapped or routed through nonperforated pipe to daylight. Sump pits open to soil shall be covered with a gasketed or sealed lid. Crawl space accesses shall be closed, gasketed or otherwise filled to prevent air leakage. Owner may need to periodically monitor radon levels when groundwater level is elevated above the footing.
- Except at Interior Elevations, and unless otherwise noted, all dimensions are given to face of rough framing, centerline of columns, or face of concrete and C.M.U. wall. Interior Elevation dimensions are given to face of finish material. Given dimensions take precedence over scale. Contractor shall take extra caution to coordinate dimensions of structural drawings with architectural drawings prior to construction. Bring discrepancies to the attention of the Architect.
- All exterior surfaces - including roofs, walkways, patios, decks, ledges, window sills, thresholds and horizontal wood trim - shall be properly flashed, sealed and sloped to drain away from the building at a minimum of 1/8" per foot.
- Architect in no way warrants the structural integrity of any portion of any existing building. Proposed renovation is not structural in nature, and if General Contractor or Owner become aware of any structural problems or discrepancies of any kind, they must report it immediately to a structural engineer licensed in the State of Wyoming for review.
- Mechanical, electrical and plumbing utilities may NOT run through rated egress components including stairs or corridors unless these utilities serve these egress spaces.

### CODE INFORMATION

APPLICABLE CODES:  
CONSTRUCTION TYPE VB  
2024 International Fire Code  
2024 International Building Code  
2024 International Fuel & Gas Code  
2024 International Mechanical Code  
2024 International Existing Building Code  
2023 edition of the National Electrical Code  
SEBACKS:  
STREET: 25'  
SIDE: 10'  
REAR: 20'  
MAXIMUM HEIGHT:  
35'  
FIRE SPRINKLERS ARE PROPOSED FOR THIS PROJECT.

### ZONING INFORMATION

WILDLAND URBAN INTERFACE:  
NO  
ZONING DISTRICT: MRC

### SITE DEVELOPMENT

GROSS SITE AREA = 0.92 ACRES = 40,075.2 SQ.FT.

BUILDING FOOTPRINT	9522.5 SQ.FT.
CONCRETE PATHS	2294.4 SQ.FT.
PARKING + DRIVEWAY	11099.2 SQ.FT.
BASKETBALL COURT	400 SQ.FT.
PLAY AREA (Hard Surface)	1000 SQ.FT.
IMPERVIOUS TOTAL	24276.1 SQ.FT.
IMPERVIOUS ALLOWED BY HOA (68%)	27205.5 SQ.FT.
SNOW STORAGE (.2 OF PAVED AREA)(13353.6x.2)	2670.7 SQ.FT.

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- E1.0 ELECTRICAL OVERALL
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- E2.1 PARTIAL POWER PLAN SOUTH
- E3.0 PARTIAL LIGHTING PLAN NORTH
- E3.1 PARTIAL LIGHTING PLAN SOUTH
- E4.0 PARTIAL MECH POWER PLAN NORTH
- E4.1 PARTIAL MECH POWER PLAN SOUTH
- E4.2 ATTIC MECH POWER PLAN
- E5.0 PARTIAL SPECIAL SYSTEM PLAN NORTH
- E5.1 PARTIAL SPECIAL SYSTEM PLAN SOUTH
- E6.0 ONE LINE DIAGRAM + SCHEDULES
- E7.0 ELECTRICAL DETAILS
- E8.0 LIGHTING DETAILS

### PROJECT INFORMATION

OWNER:  
FERRY PEAK LLC  
PO BOX 4369  
JACKSON, WY 83001  
Alpine, WY  
307.231.9944

PROJECT LOCATION:  
LOT 177 ALPINE MEADOWS,  
ALPINE, WY 83128

LEGAL DESCRIPTION:  
ALPINE MEADOWS SUB LOT 177 TOTAL 0.92 ACRES  
T37 R1 B 519/20/29/30  
PARCEL NUMBER: 37182030040600

ARCHITECT:  
MIRO STUDIO ARCHITECTURE, LLC  
PO BOX 12374  
JACKSON, WYOMING 83002  
PH: 307.690.4187  
anna@miroarchitect.com

CIVIL ENGINEER:  
NELSON ENGINEERING  
PO BOX 1599  
430 South Coche St.  
Jackson, WY 83001  
307.733.2087  
batsen@nelsonengineering.net

LANDSCAPE ARCHITECT:  
INSIDE OUT LANDSCAPE ARCHITECTURE  
ALLISON FLEURY, LLA  
5263 Tarence Rd  
Wilson WY 83014  
allison.isola@gmail.com  
307.690.4907

STRUCTURAL ENGINEER:  
DESIGN INTELLIGENCE  
1037 Erikson Drive  
Rexburg , ID 83440  
208.359.1461  
josh@designinteli.com

MECHANICAL ENGINEER:  
JTEC, Inc.  
PO Box 4594  
Jackson, Wyoming 83001  
307.699.1110  
jatson@jteinc.com

ELECTRICAL ENGINEER:  
MB ENGINEERING, LLC  
645 W 25th St.  
Idaho Falls, ID 83402  
Office: 208-545-8383

CONTRACTOR:  
FH CONSTRUCTION GROUP  
155 West Gill Avenue | Suite 201  
Jackson, WY 83001  
307.441.3177  
MIKE ANGELI  
248.762.3740  
mikea@fhconstructiongroup.com

NOT FOR CONSTRUCTION

MIRO STUDIO  
architecture  
ANNA BUTLER AIA  
Jackson, WY 83002  
anna@miroarchitect.com

### REVISIONS

NO.	DATE	DESCRIPTION

Cover Sheet

Lot 177 Foxtail St  
Alpine Meadows, WY

Scale:  
as noted  
Date:  
3/19/26

Sheet Number:  
A1.0



VICINITY MAP  
NOT TO SCALE



West Rendering



East Rendering

MRO STUDIO  
architecture  
ANNA BUTLER AIA  
P.O. Box 15274  
3017 66th Ave SW  
Seattle, WA 98148  
info@mrostudio.com

REVISIONS

3D Renderings

Sheet Title:

Lot 177 Foxtail St  
Alpine Meadows, WY

Project Number:  
Scale: as noted  
Date: 3/20/26

Sheet Number:

A1.1



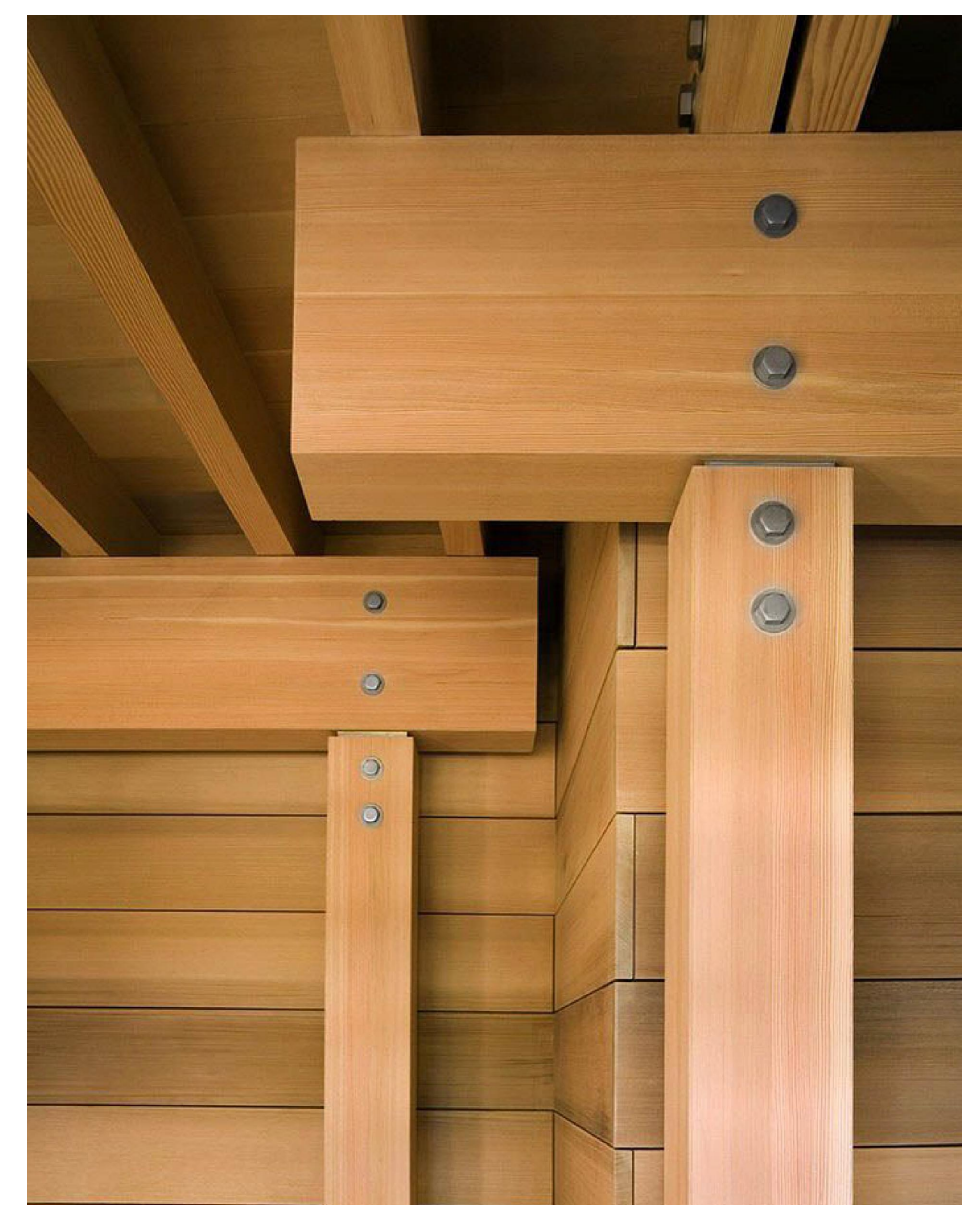
Standing Seam Metal Roof/Flashing  
Matte Black



LP Board and Batt Siding  
Tundra Gray



LP Lap Siding  
Snowscape White



Columns  
Douglas Fir- Clear Stain



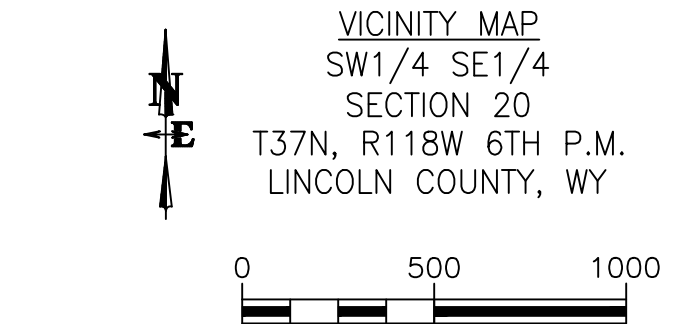
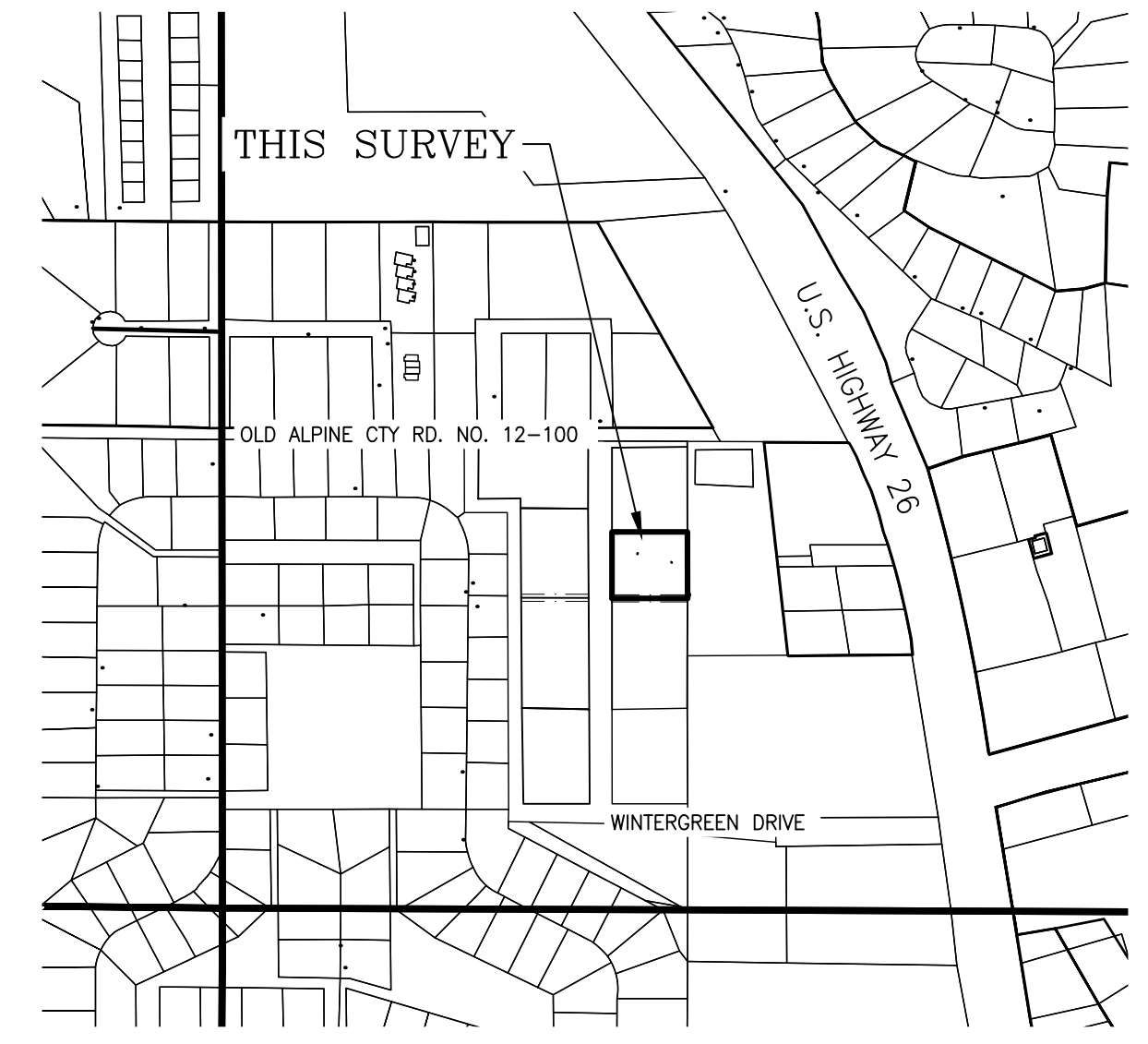
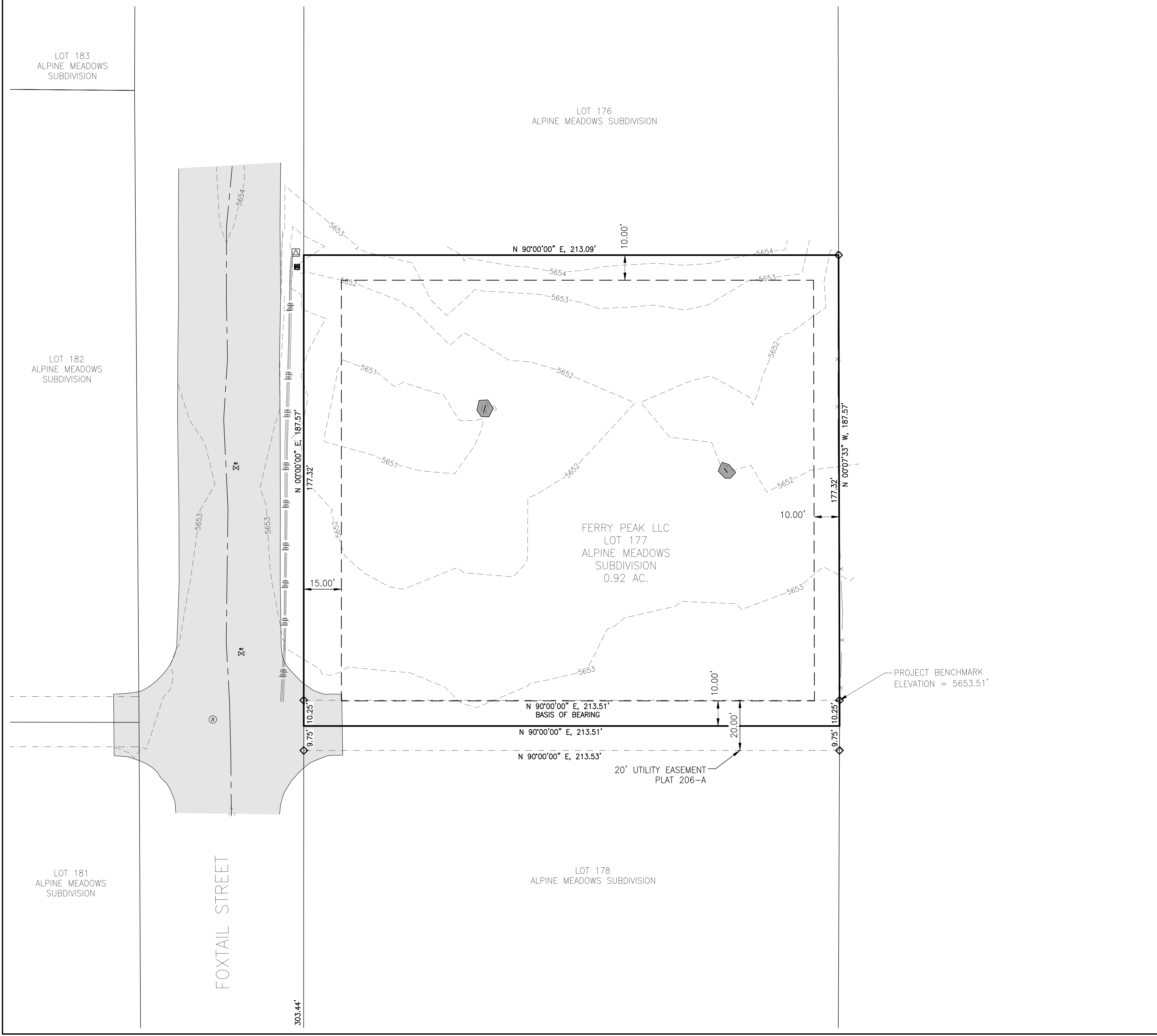
East Entry



Windows/Doors  
Anderson 100 Series-Black

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Scale:		as noted	
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Sheet Number:		A1.2	
Sheet Title:		Exterior Materials	
REVISIONS		MRO STUDIO architecture ANNA BUTLER AIA P.O. Box 15274 30176-0015 anna@mrostudio.com	
Lot 177 Foxtail St Alpine Meadows, WY			

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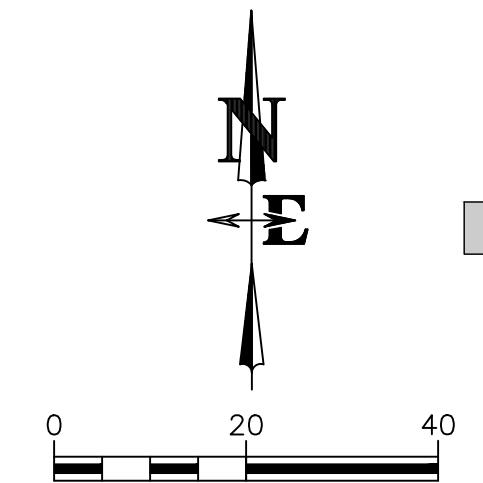
NOTE:  
 THE SITE SURVEY REPRESENTED ON THIS MAP SHOW CONDITIONS DETERMINED BY A FIELD SURVEY MADE ON OCTOBER 24, 2025, AND MAY NOT REFLECT CHANGES MADE SUBSEQUENT TO THAT DATE.

SETBACKS PER CHAPTER 6 SECTION 20 OF LINCOLN COUNTY LAND USE REGULATIONS:  
 20' TO FRONT OF BUILDING WITH PARKING AREA  
 15' TO FRONT OF BUILDING WITHOUT PARKING AREA (SHOWN)  
 10' SIDE  
 10' REAR

SITE DEVELOPMENT SETBACKS AND BUILDING SETBACKS SHALL BE VERIFIED WITH THE PLANNING DEPARTMENT IN THE AUTHORITY HAVING JURISDICTION PRIOR TO PLANNING ANY DEVELOPMENT. IT IS ALSO TO BE UNDERSTOOD THAT OTHER APPLICABLE CODES, RESTRICTIONS, COVENANTS AND REGULATIONS APPLICABLE TO DEVELOPMENT AND USE SHOULD BE DETERMINED PRIOR TO PLANNING ANY DEVELOPMENT AS THESE ARE NOT SHOWN ON THIS MAPPING

LEGEND

	PROPERTY LINE
	ADJACENT BOUNDARY LINE
	EASEMENT LINE
	SETBACK LINE
	CENTERLINE OF ROAD
	FENCE LINE
	UNDERGROUND POWER
	FOUND REBAR AND CAP
	ELECTRIC TRANSFORMER
	FIBER OPTIC VAULT
	SEWER MANHOLE
	WATER VALVE
	PAVEMENT
	ROCK PILE



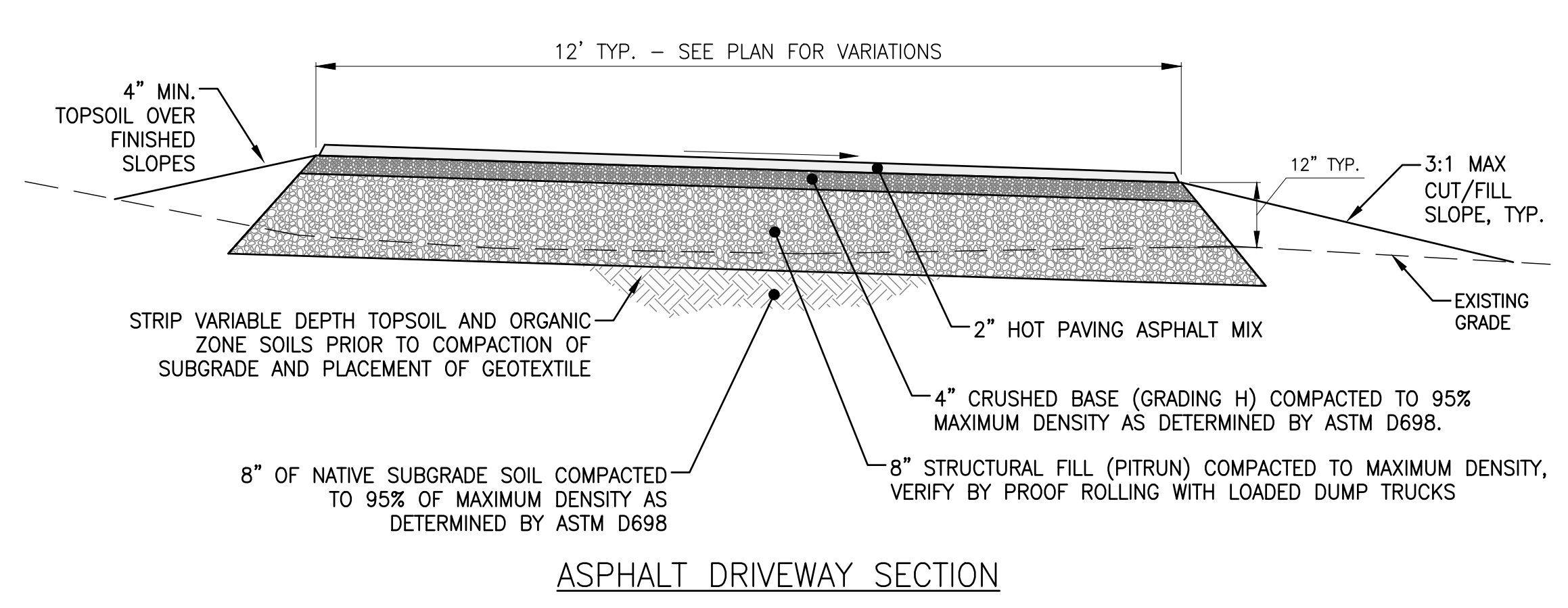
VERTICAL DATUM BASED ON NAVD88 (GEOID12B),  
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 DERIVED FROM NETWORK GPS OBSERVATIONS.

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			SURVEYED	ENGINEERED	ZD
JOB NO <b>25-345-02</b>			DRAWN	ZD	
			CHECKED	LR	
			APPROVED	LR	

**NELSON ENGINEERING**  
 P.O. BOX 1599, JACKSON WYOMING (307) 733-2087



LAYOUT: GRADING-BE-TAIL-S&E-PC - PRINTER/PC3 - AutoCAD PLOT General Documents\plots\pc3 - PAGE SETUP 24x36 PDF BW - Publish - ENG VER 250 - PLOTTED BY: NK-LCS  
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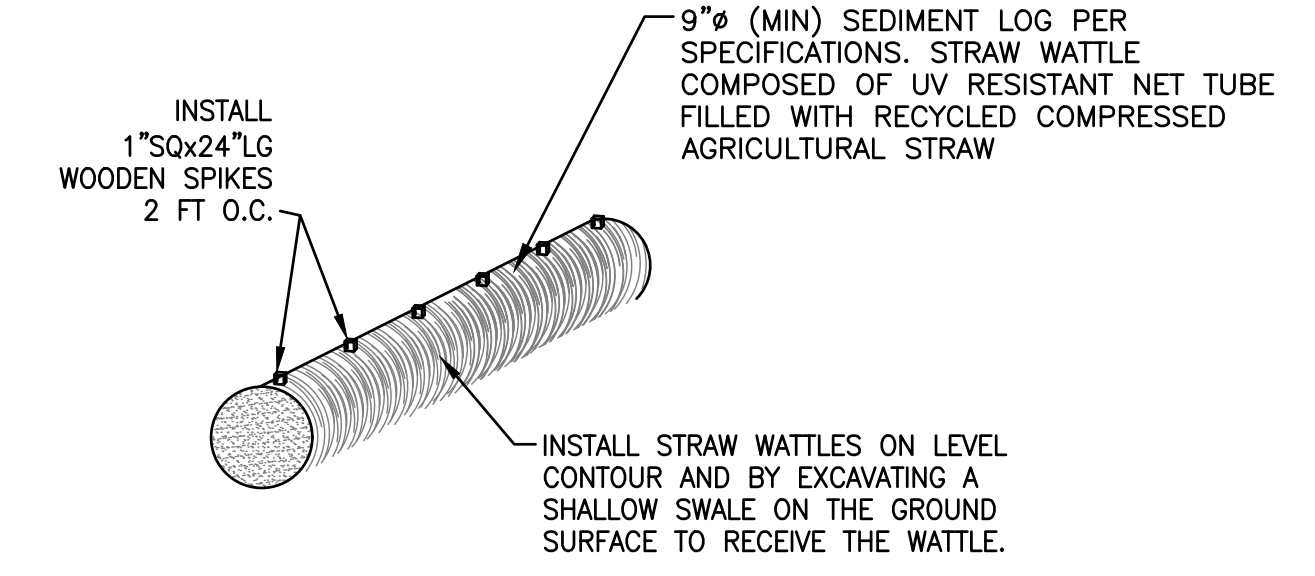


ASPHALT DRIVEWAY SECTION

1  
C2.1

TYPICAL DRIVEWAY SECTION

SCALE: N.T.S.



NOTE:

1. STRAW WATTLES SHALL BE INSTALLED TO LIMIT MIGRATION OF SOIL CAUSED BY STORM WATER RUNOFF IN ORDER TO PROTECT ADJACENT WATER BODIES AND NEIGHBORING PROPERTIES.
2. MAINTAIN WATTLE IN-PLACE UNTIL EXPOSED SOILS HAVE REVEGETATED SUFFICIENTLY TO PREVENT EROSION.
3. CONTINUOUS RUNS OF STRAW WATTLE SHALL BE MADE BY ABUTTING ENDS OF INDIVIDUAL WATTLES WITH NO GAPS BETWEEN.

2  
C2.1

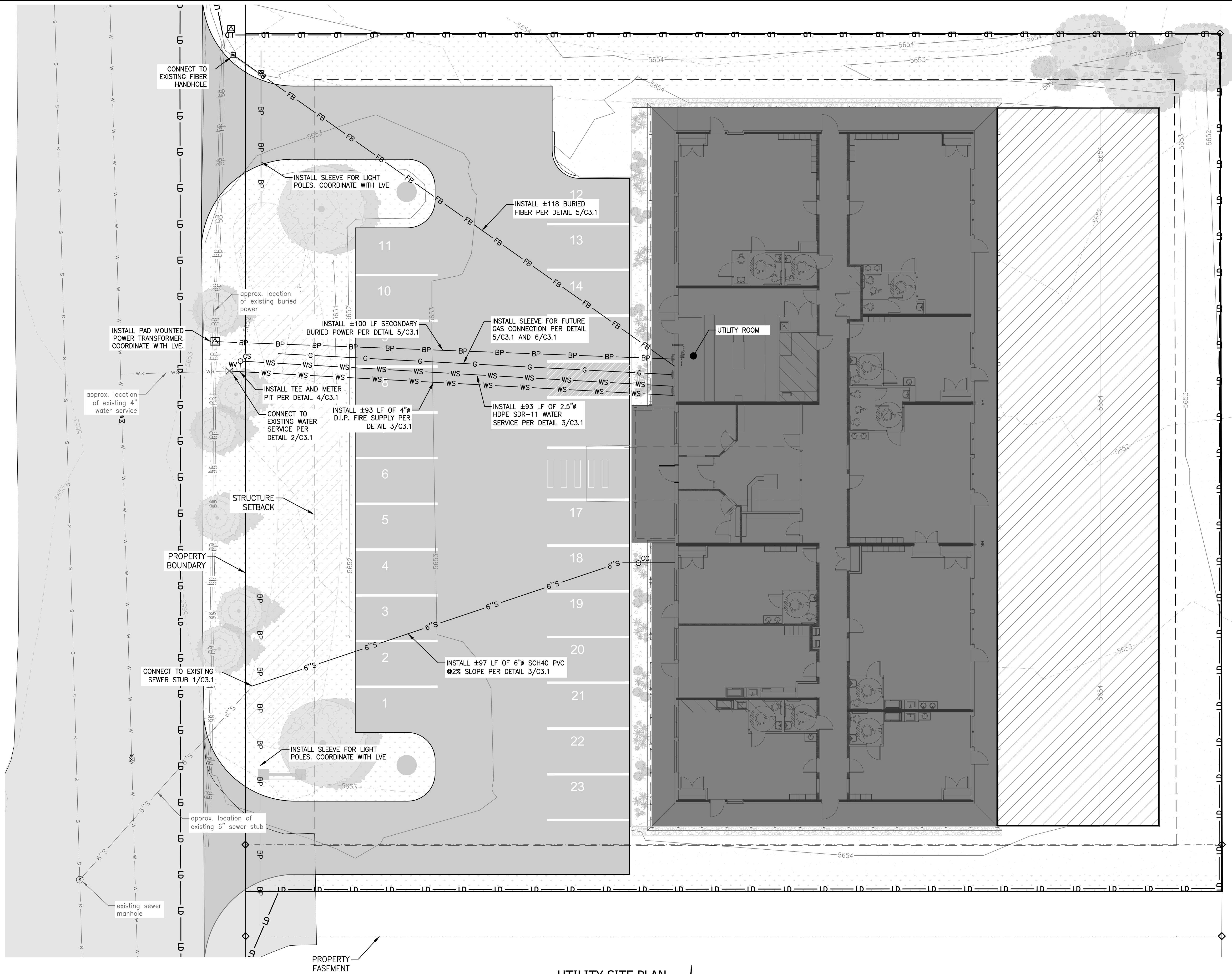
STRAW WATTLE DETAIL

SCALE: N.T.S.

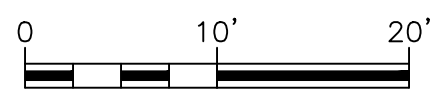
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			SURVEYED ENGINEERED	NELSON ENG. BO/NL	
JOB NO 25-345-03			DRAWN	NL	
			CHECKED	BO	
			APPROVED		

**NELSON ENGINEERING**  
 P.O. BOX 1599, JACKSON WYOMING (307) 733-2087

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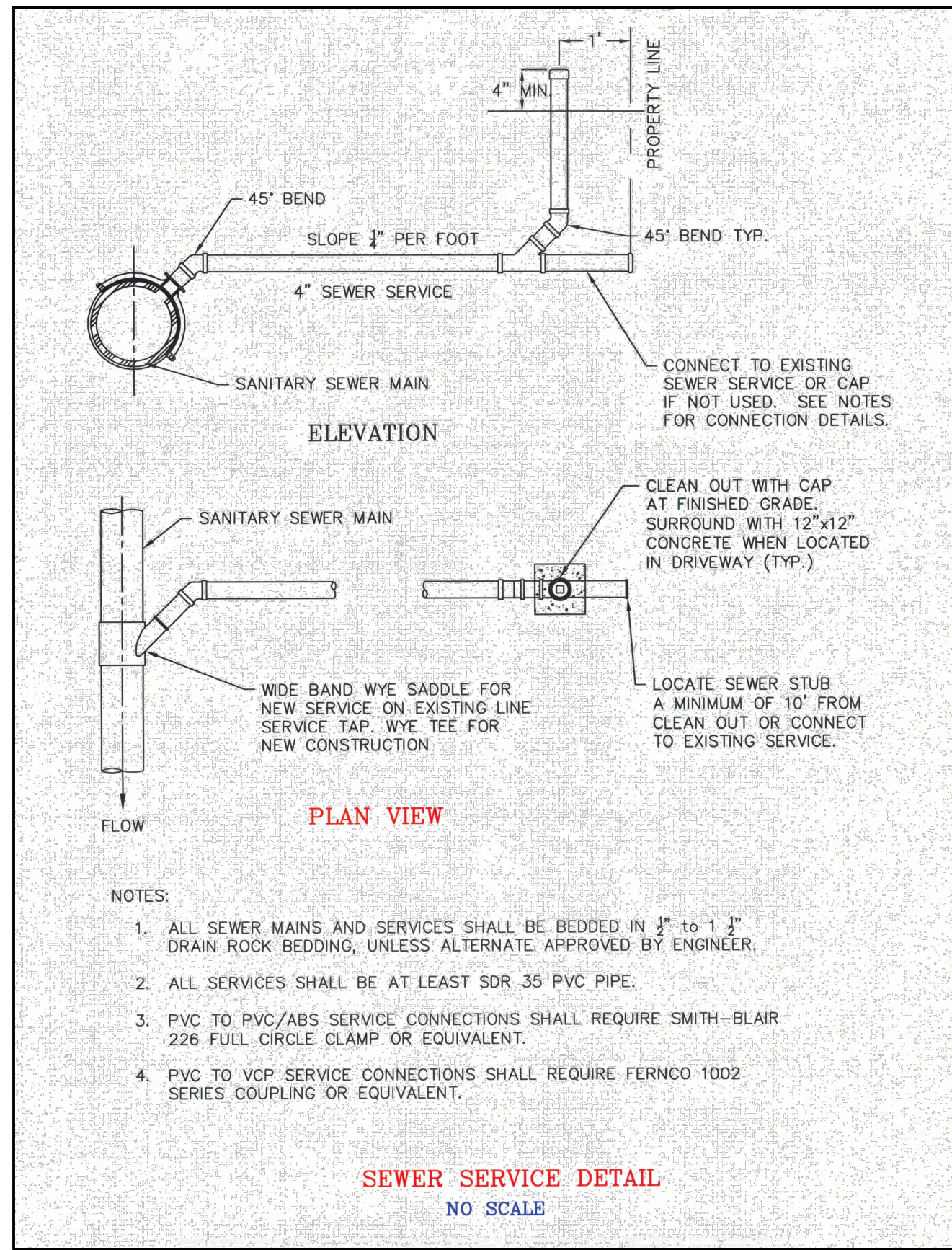


UTILITY SITE PLAN

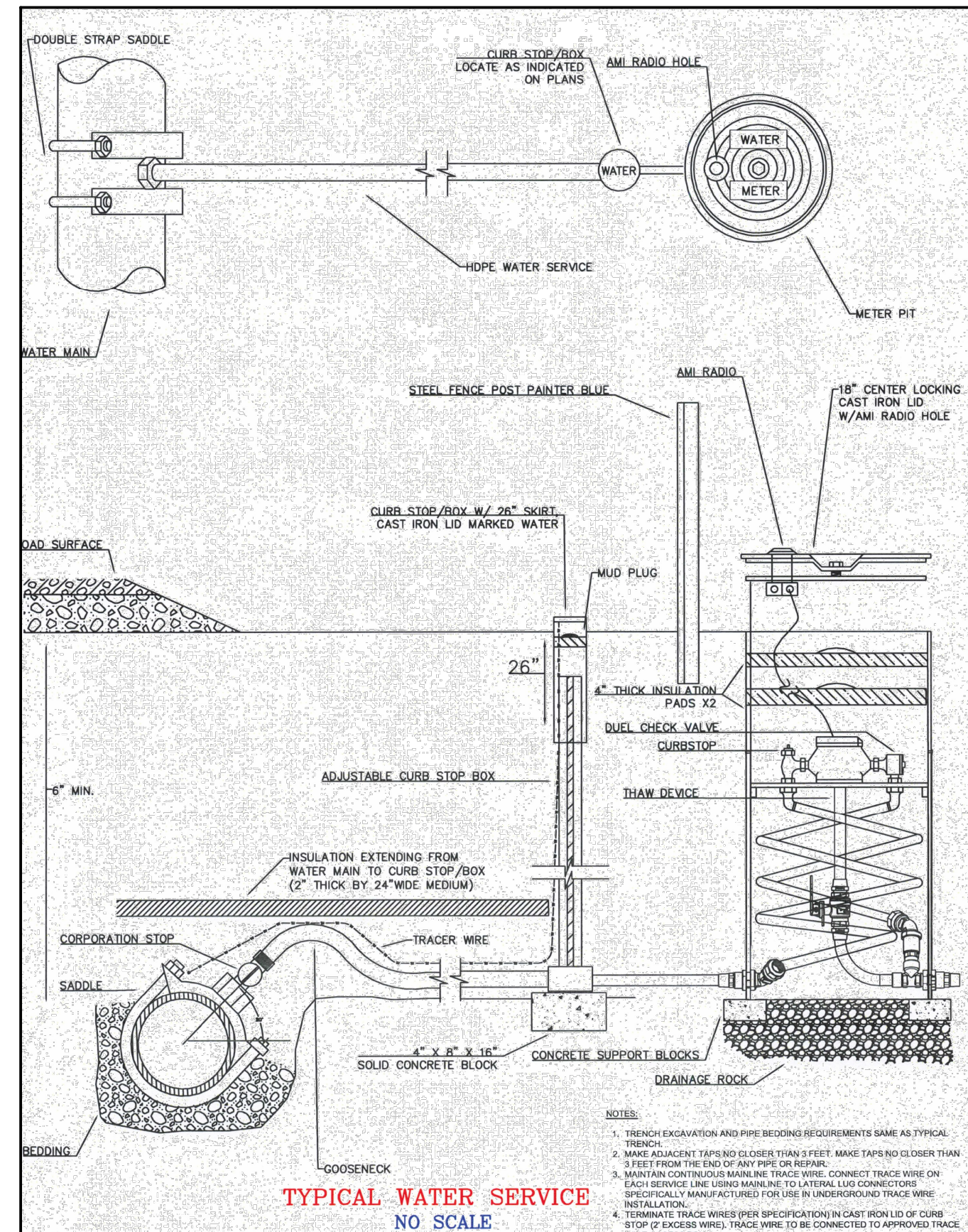


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				DRAWN NL	
				CHECKED BO	
				APPROVED	

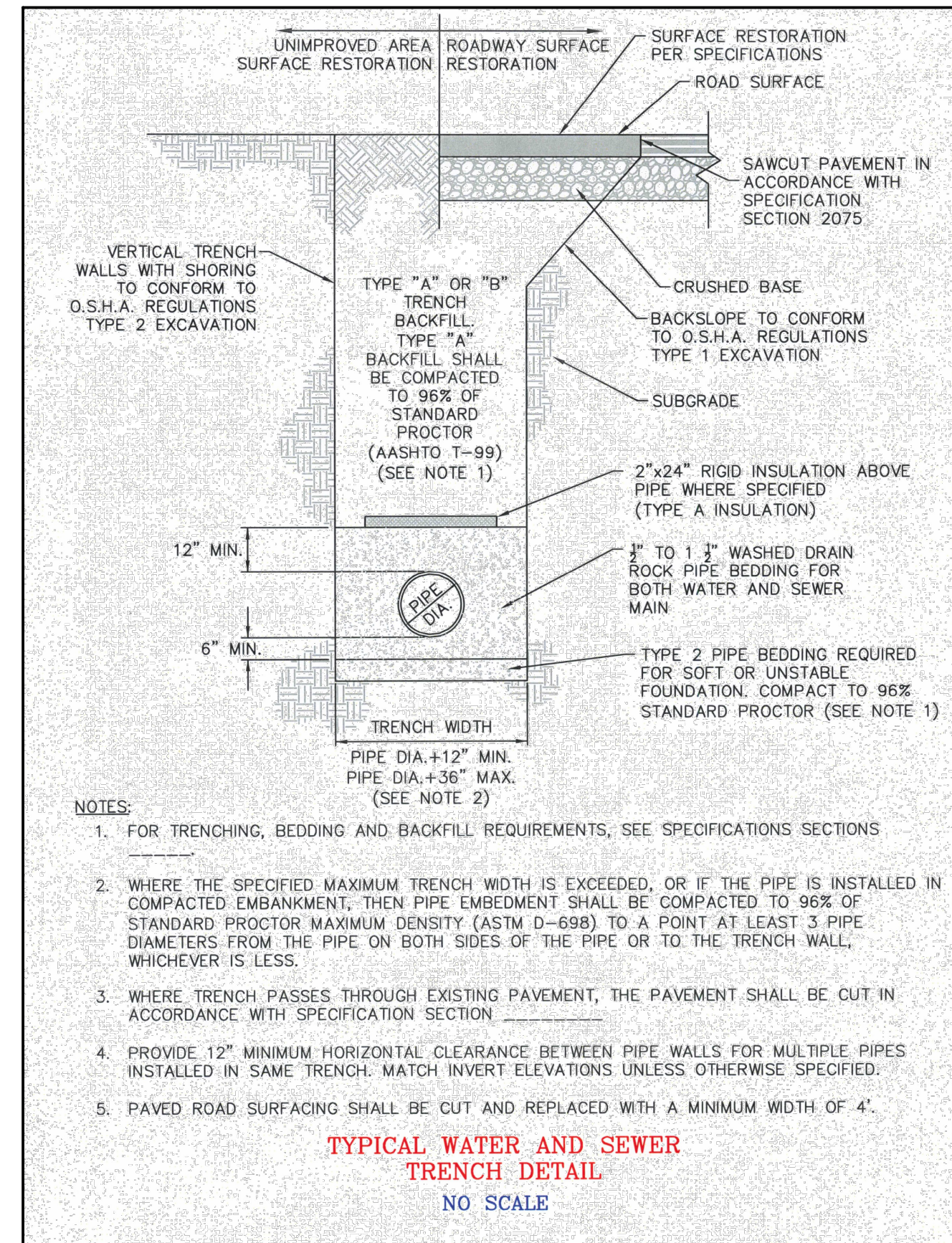
**NELSON ENGINEERING**  
 P.O. BOX 1599, JACKSON WYOMING (307) 733-2087



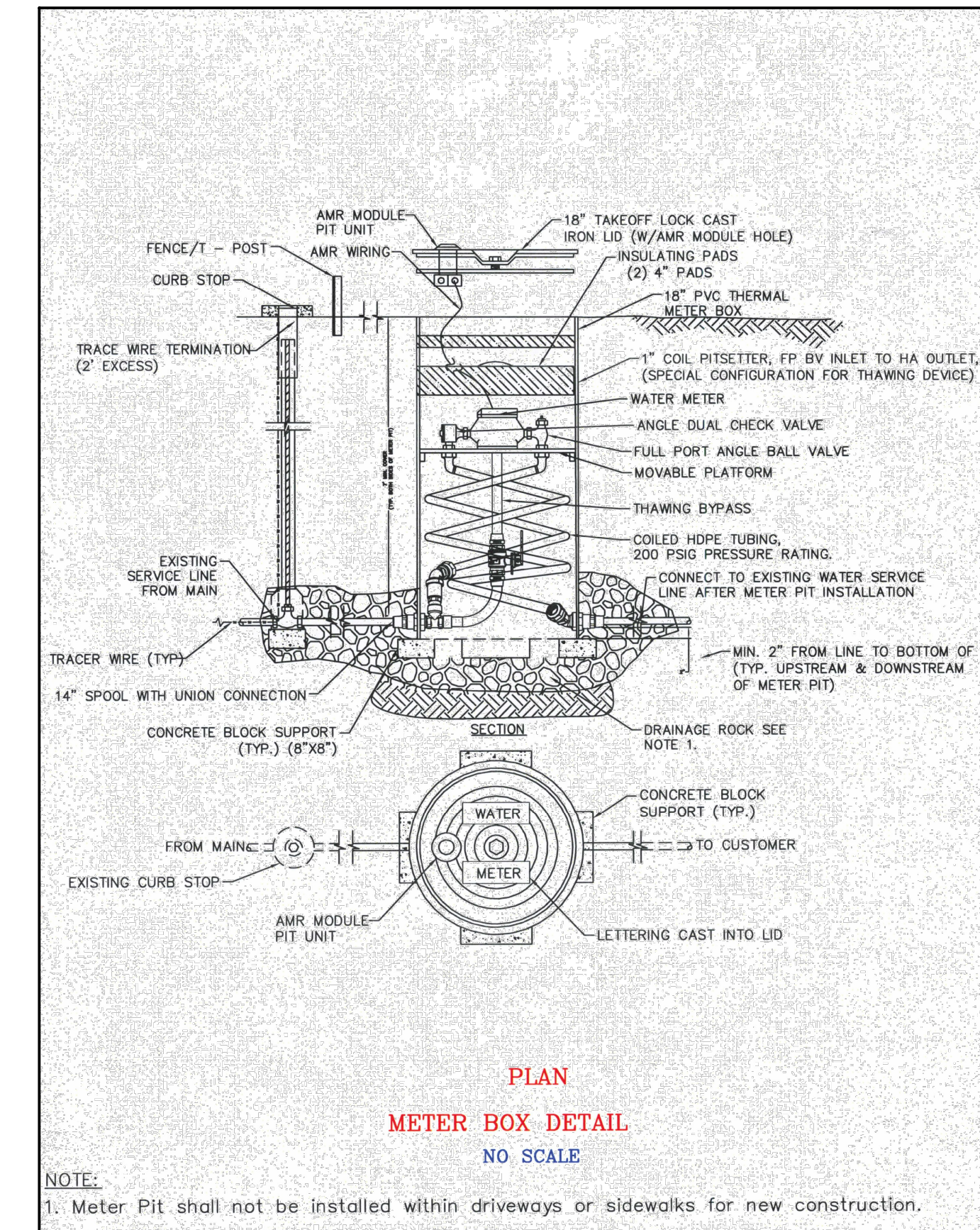
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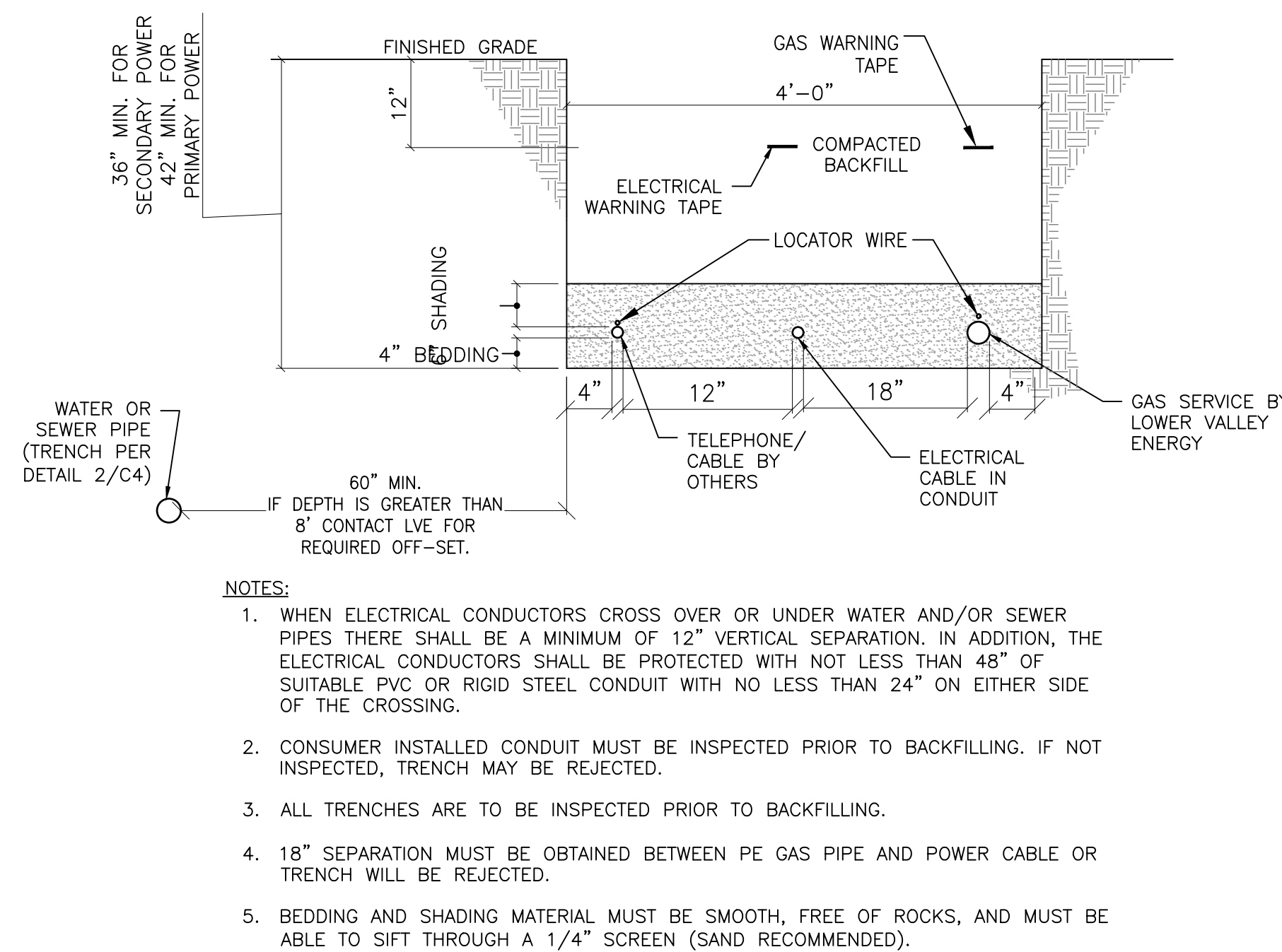
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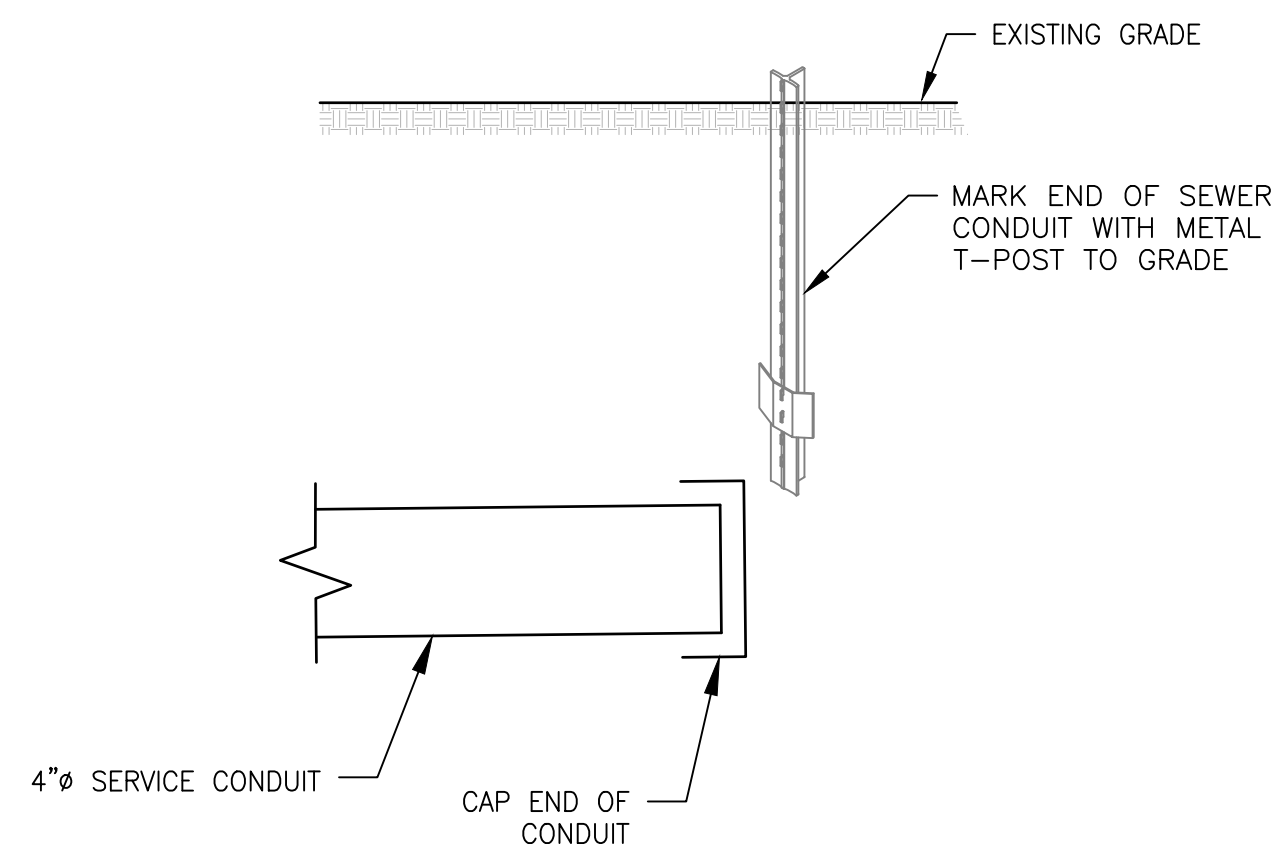
3 TYPICAL WATER AND SEWER TRENCH DETAIL  
C3.1 SCALE: NTS



4 METER BOX DETAIL  
C3.1 SCALE: NTS



5 MIXED UTILITY TRENCH & SPACING REQUIREMENTS  
C3.1 SCALE: NTS



6 CONDUIT MARKER DETAIL  
C3.1 SCALE: NTS

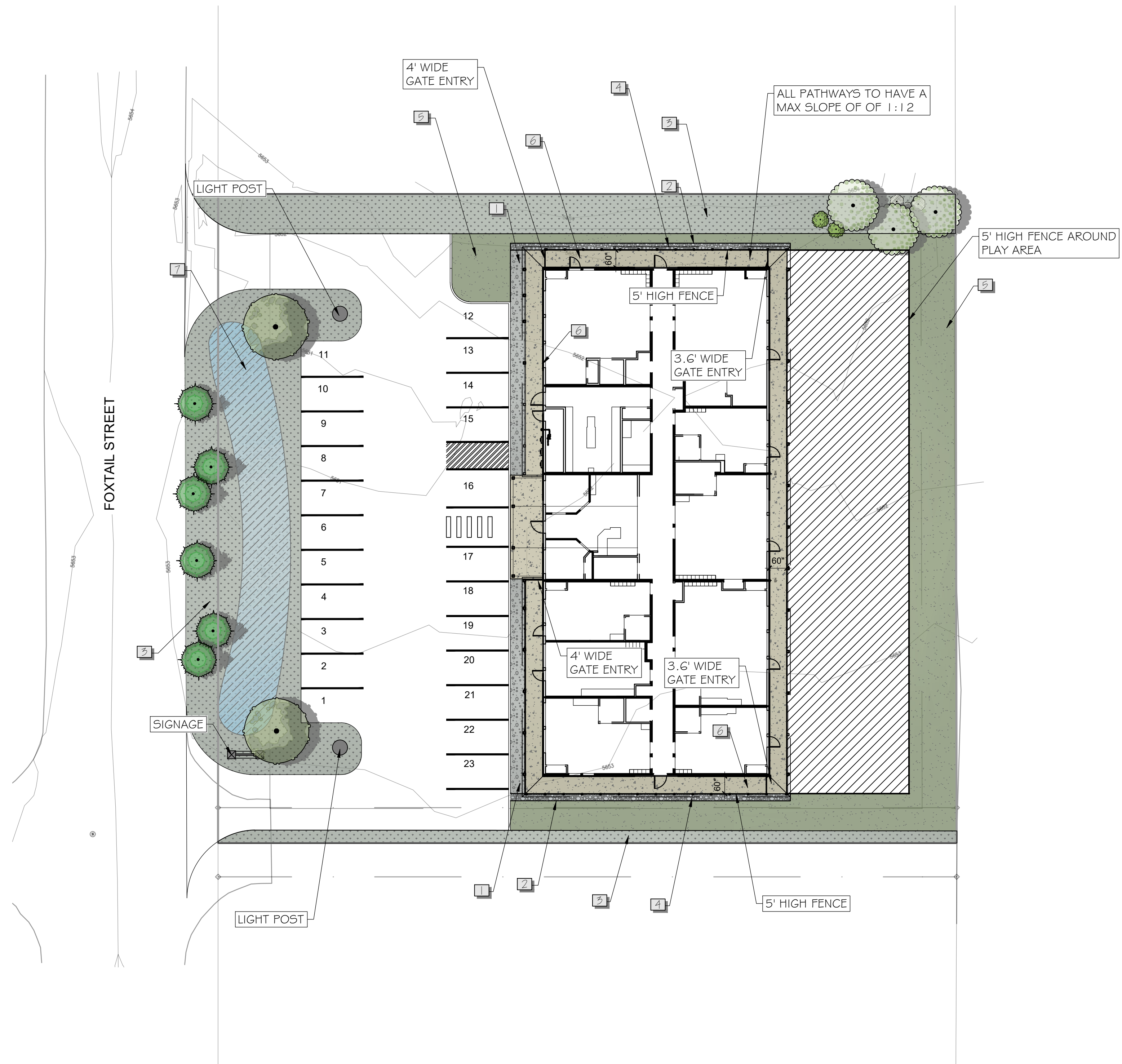
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JOB NO	25-345-03	DESIGNED	NELSON ENG.
		DRAWN	BO/NL
		CHECKED	NL
		APPROVED	BO

DRAWING TITLE: UTILITY DETAILS

JOB TITLE: LOT 177 ALPINE MEADOWS  
KIDDIE ACADEMY  
ALPINE, WY

**NELSON ENGINEERING**  
P.O. BOX 1599, JACKSON WYOMING (307) 733-2087



**REFERENCE NOTES SCHEDULE**

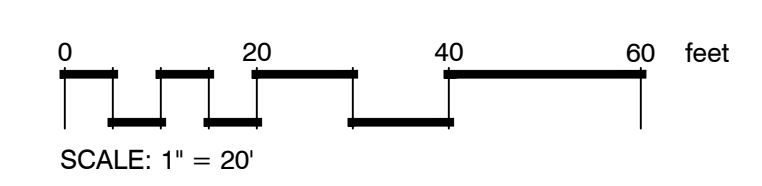
SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
	1	GRAVEL BED	551 SF	
	2	STEEL EDGING 4" X 1/8"	194 LF	
	3	NATIVE GRASSES	8,243 SF	
	4	24" DRIP STRIP	327 SF	
	5	BLUEGRASS ALTERNATIVE (NO MOW FESCUE)	4,125 SF	
	6	CONCRETE	2,358 SF	
	7	SNOW STORAGE	1,740 SF	

GRANITE SEED - CABIN MIX (NATIVE GRASSES)

%PURE	BOTANICAL NAME	COMMON NAME	VARIETY
24.44	<i>Bromus carinatus</i>	Mountain Brome	'Bromar'
24.68	<i>Elymus trachycaulus</i>	Slender Wheatgrass	'Fryor'
18.80	<i>Pascopyrum smithii</i>	Western Wheatgrass	'Arriba'
9.97	<i>Pseudoroegneria spicata</i>	Bluebunch Wheatgrass	'Columbia'
4.92	<i>Festuca ovina</i>	Sheep Fescue	'Azure'
4.91	<i>Poa secunda</i>	Big Bluegrass	'Sherman'
4.83	<i>Poa secunda</i>	Sandberg Bluegrass	'High Plains'
0.03	Other crop		
1.91	Inert Matter		
0.00	Need Seed		

Net Weight: 46.95 lbs. PLS.      50.00 lbs. Bulk

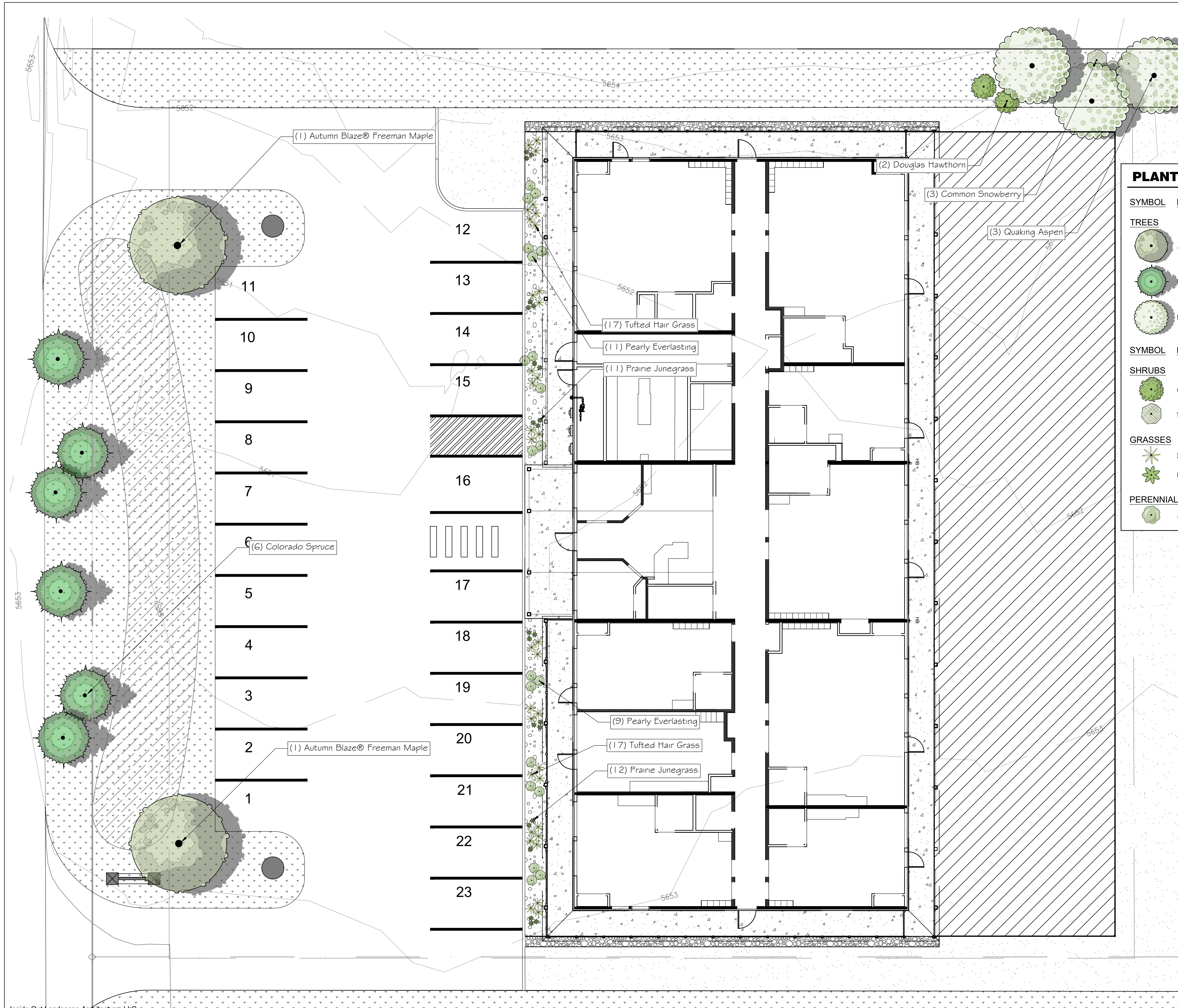
Inside Out Landscape Architecture, LLC  
 5263 Torrence Road  
 Wilson, WY 83014  
 (307) 690-4907  
 Allison Fleury, PLA  
 allison.iola@gmail.com  
 allison\_fleury@fastmail.fm



PROJECT TITLE:  
 KIDDIE ACADEMY  
 LOT 111 FOXTAIL ST  
 ALPINE MEADOWS, WY  
 DRAWING TITLE:  
 LANDSCAPE PLAN

DRAWING NO: L300  
 Project Number: 2026-01  
 Prepared By: AMF Date: 02/20/26 Rev. Date: 03/11/26

Inside Out Landscape Architecture, LLC  
 5263 Torrence Rd., Wilson WY 83014  
 www.insideoutlandscapearchitecture.com

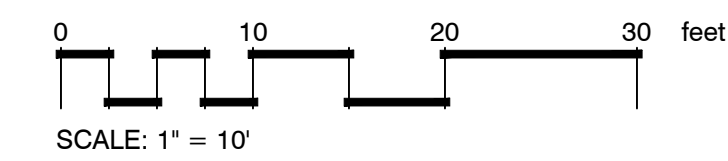
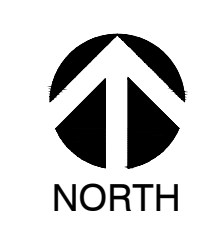


**PLANT SCHEDULE**

SYMBOL	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	QTY
<b>TREES</b>						
	ACER X FREEMANII 'JEFFERSRED'	AUTUMN BLAZE® FREEMAN MAPLE	B & B	3" CAL		2
	PICEA PUNGENS	COLORADO SPRUCE	B & B		12-15' H	6
	POPULUS TREMULOIDES	QUAKING ASPEN	B & B			3
<b>SHRUBS</b>						
	CRATAEGUS DOUGLASII	DOUGLAS HAWTHORN	B & B	5'-6'		2
	SYMPHORICARPOS ALBUS	COMMON SNOWBERRY	5 GAL			3
<b>GRASSES</b>						
	DESCHAMPSIA CESPITOSA	TUFTED HAIR GRASS	1 GAL			34
	KOELERIA MACRANTHA	PRAIRIE JUNEGRASS	1 GAL			23
<b>PERENNIALS</b>						
	ANAPHALIS MARGARITACEA	PEARLY EVERLASTING	1 GAL			20

2 PLANT UNITS ARE REQUIRED FOR LOT 111  
THIS PLAN SHOWS THE MINIMUM REQUIREMENTS USING UNIT B AND UNIT C

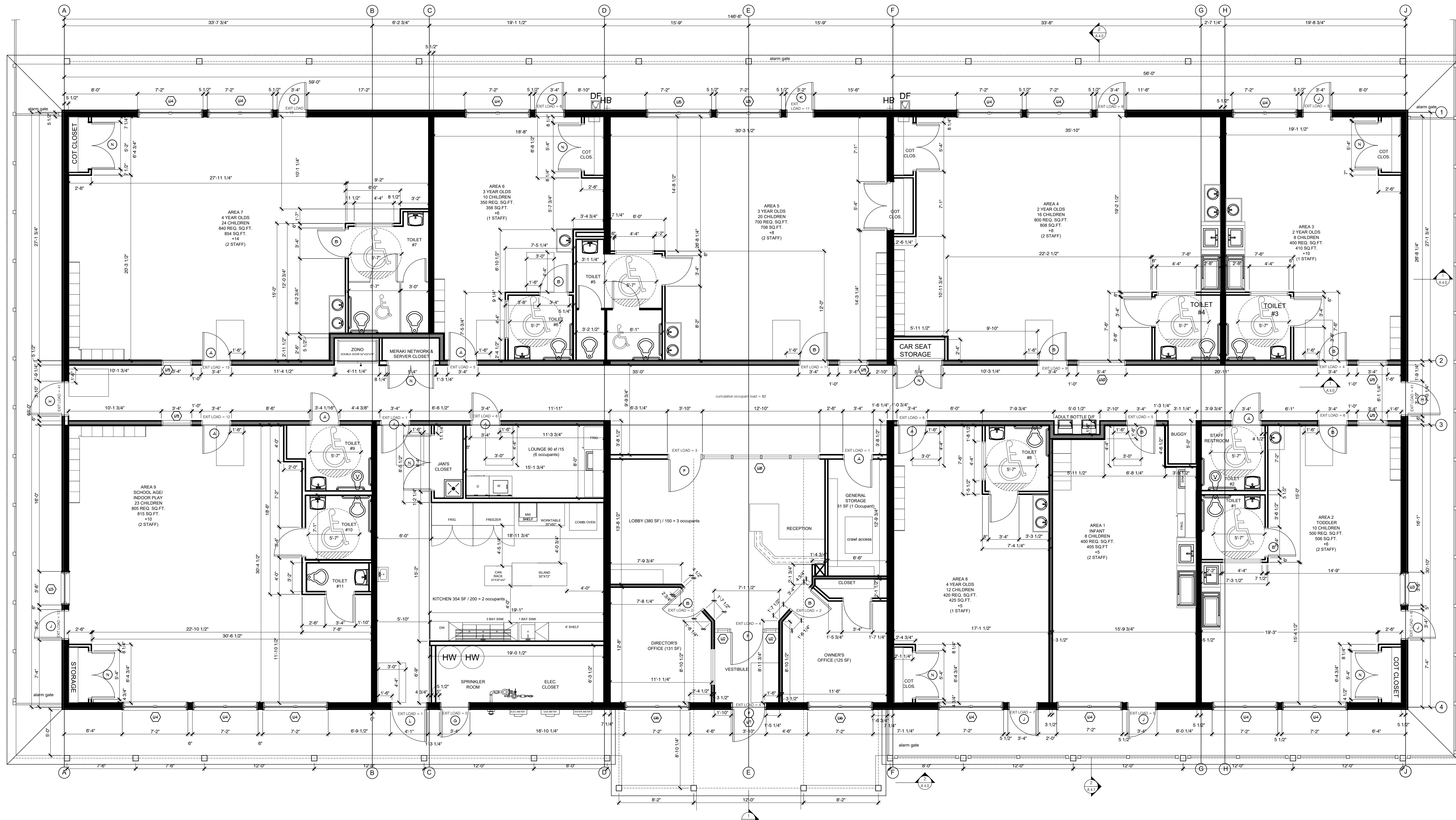
PLANT UNIT ALTERNATIVES	QUANTITY	SIZE AND TYPE OF PLANTS
UNIT A	1 6 4	3" CALIPER CANOPY TREE 6'-8' LARGE SHRUBS OR MULTI-STEM TREES #5 CONTAINER SHRUBS
UNIT B	3 3 3	3" CALIPER CANOPY TREES 6'-8' LARGE SHRUBS OR MULTI-STEM TREES 8' HIGH EVERGREEN TREES
UNIT C	3 3 2	3" CALIPER CANOPY TREES 8' HIGH EVERGREEN TREES #5 CONTAINER SHRUBS
UNIT D	3 3 3	8' HIGH EVERGREEN TREES 6'-8' LARGE SHRUBS OR MULTI-STEM TREES #5 CONTAINER SHRUBS



PROJECT TITLE:  
KIDDIE ACADEMY  
LOT 111 FOXTAIL ST  
ALPINE MEADOWS, WY

DRAWING TITLE:  
LANDSCAPE PLAN

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Project Number: 2026-01  
Prepared By: AMF Date: 02/20/26 Rev. Date: 03/11/26

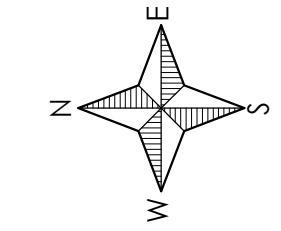


ROOM#	CHILDREN	STAFF	INDOOR SQUARE FOOTAGE	OUTDOOR SQUARE FOOTAGE	INDOOR SQUARE FOOTAGE TOTAL	OUTDOOR SQUARE FOOTAGE TOTAL
AREA 1	10	2	300	0	300	0
AREA 2	8	2	200	0	200	0
AREA 3	8	2	200	0	200	0
AREA 4	18	2	400	0	400	0
AREA 5	30	2	700	0	700	0
AREA 6	18	2	400	0	400	0
AREA 7	24	2	550	0	550	0
AREA 8	23	2	500	0	500	0
AREA 9	12	1	250	0	250	0
TOTALS	161	16	3000	0	3000	0

ROOMS	TOTALS	NOTES
OFFICE	400	4 occupants
RECEPTION (10' x 10' x 10')	100	2 occupants
KITCHEN	300	4 occupants
LOBBY	300	3 occupants
TOTALS	1000	13 occupants

TOTAL BUILDING OCCUPANT LOAD = 161

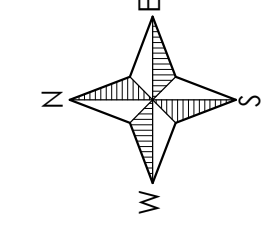
FLOOR PLAN  
3/16" = 1'-0"





ROOF COVERING:  
 1. ROOF COVERING SHALL HAVE A CLASS A ROOF OR CLASS A ROOF ASSEMBLY THAT COMPLIES WITH A CLASS A RATING WHEN TESTED IN ACCORDANCE WITH ASTM E 90 OR UL 790.  
 2. ROOF VALLEYS, WHERE PROVIDED, SHALL BE NOT LESS THAN 0.019 INCH CORROSION RESISTANT METAL INSTALLED OVER A MINIMUM 36" WIDE UNDERLAYMENT CONSISTING OF ONE LAYER OF 5# POLAR WIRE MESH SURFACES.  
 3. NON PERFORATED COP SHEET COMPLIING WITH ASTM D 3000 FURNISHING THE FULL LENGTH OF THE VALLEY.  
 4. PROVIDE ICE AND WATER SHIELD OVER ENTIRE ROOF OR NOT LESS THAN 36" MEASURED ALONG ROOF SLOPE FROM EAVE EDGE.

ROOF PLAN  
 3/16" = 1'-0"



NOT FOR CONSTRUCTION					
MPRO STUDIO architecture ANNA BUTLER AIA 1000 W. 10th St. Jackson, WY 83002 307.633.1000 info@mprostudio.com					
REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">NO.</td> <td style="width: 90%;">DESCRIPTION</td> </tr> <tr> <td style="text-align: center;">1</td> <td>AS NOTED</td> </tr> </table>	NO.	DESCRIPTION	1	AS NOTED	Plans
NO.	DESCRIPTION				
1	AS NOTED				
Lot 177 Foxtail St Alpine Meadows, WY					
Project Number: Date: 2/20/26	Sheet Number: <span style="font-size: 24pt; font-weight: bold;">A2B</span>				



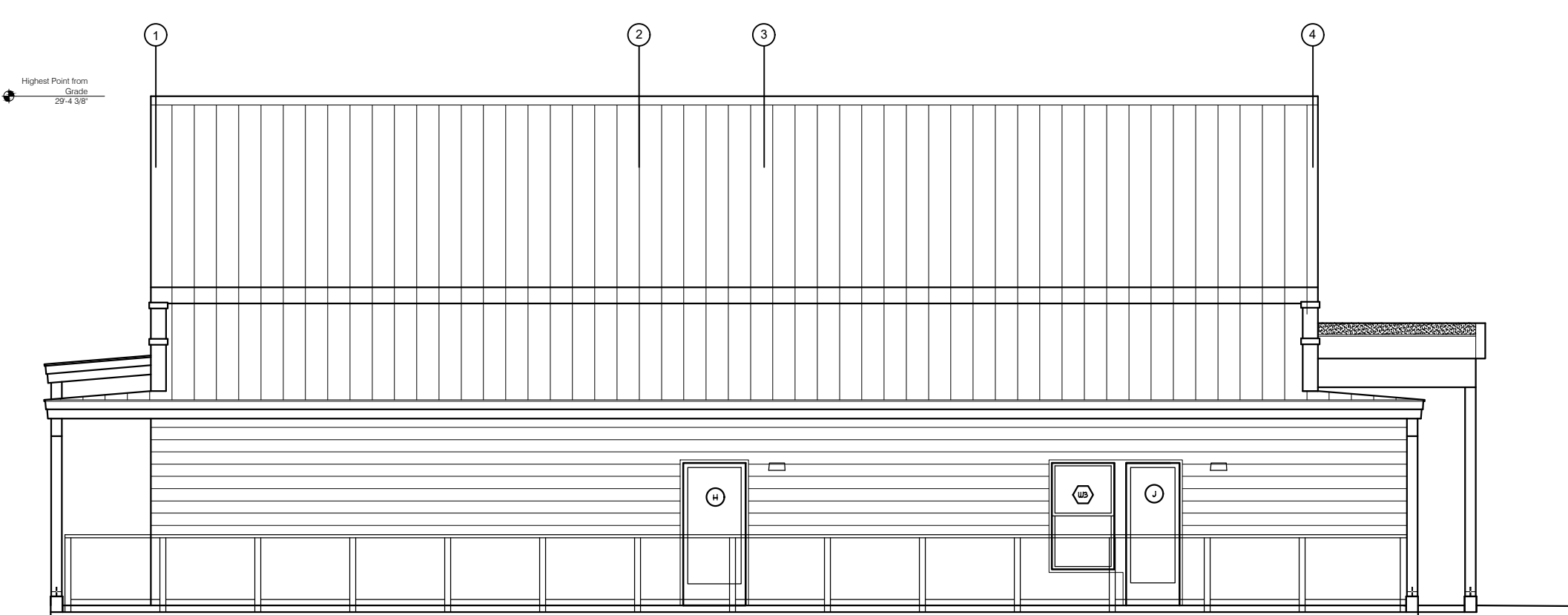
West Elevation  
1/8" = 1'-0"



East Elevation  
1/8" = 1'-0"



South Elevation  
1/8" = 1'-0"



North Elevation  
1/8" = 1'-0"

REVISIONS

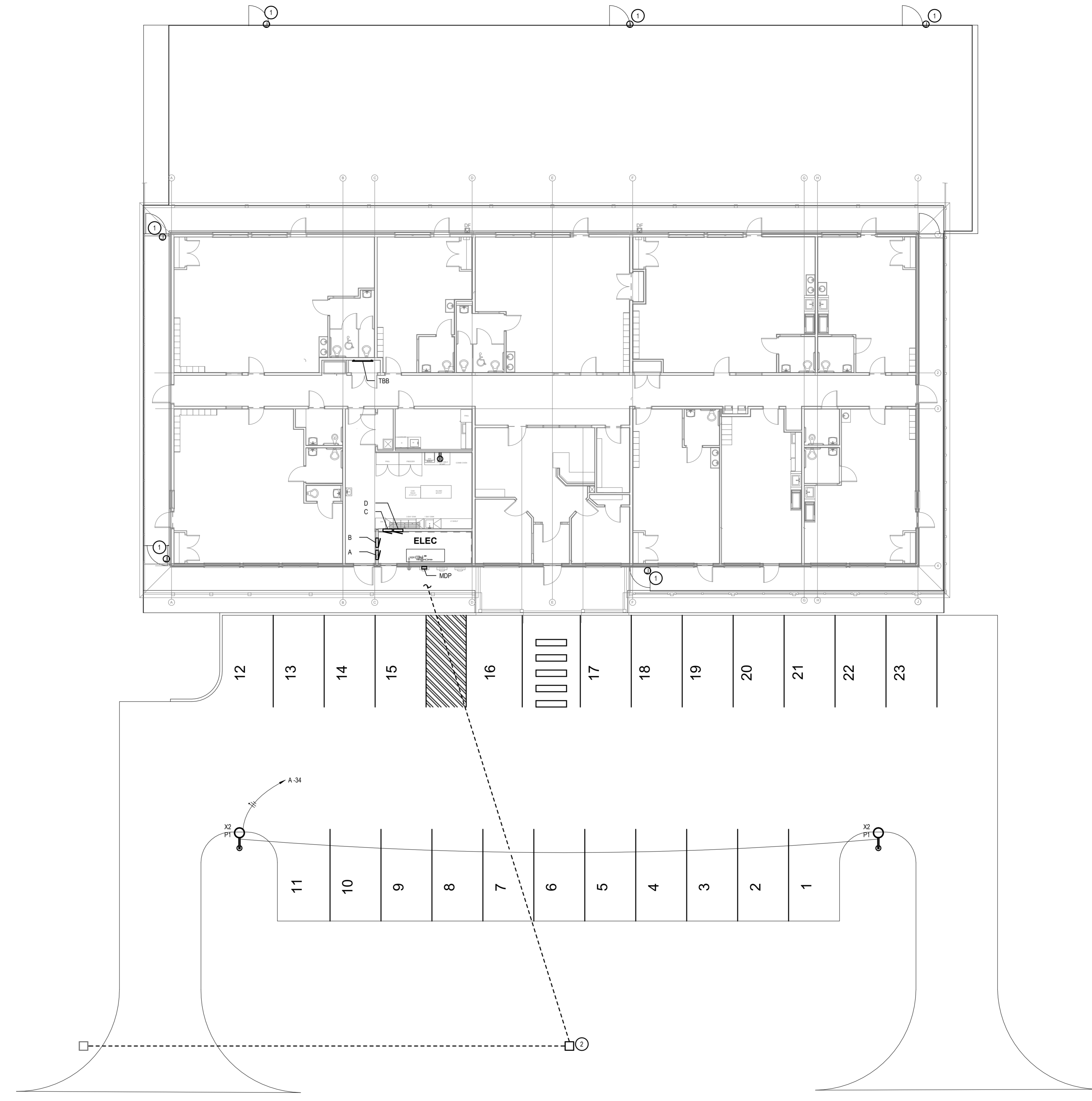
3/20/26  
Building Elevations

Lot 177 Foxfall St  
Alpine Meadows, WY

Project Number:  
Scale: GS noted  
Date: 3/20/26

Sheet Number:  
A3.0

MIRO STUDIO  
architecture  
ANNA BUTLER AIA  
P.O. Box 12374  
307 Park Hill Road  
denver@mirostudio.com



1 ELECTRICAL SITE PLAN  
1" = 10'-0"

- KEYED NOTES:
- POWER FOR GATE. COORDINATE LOCATION WITH GATE SPECIFICATIONS PRIOR TO INSTALLATION.
  - NEW PROPOSED TRANSFORMER LOCATION.

ADDRESS:  
435 W. 1000 N. ST.  
IDAHO FALLS, ID 83402  
TELEPHONE:  
(208) 586-5996  
E-MAIL:  
MATT@MB-ENGINEER.COM



REV	DISCRPTION	DATE

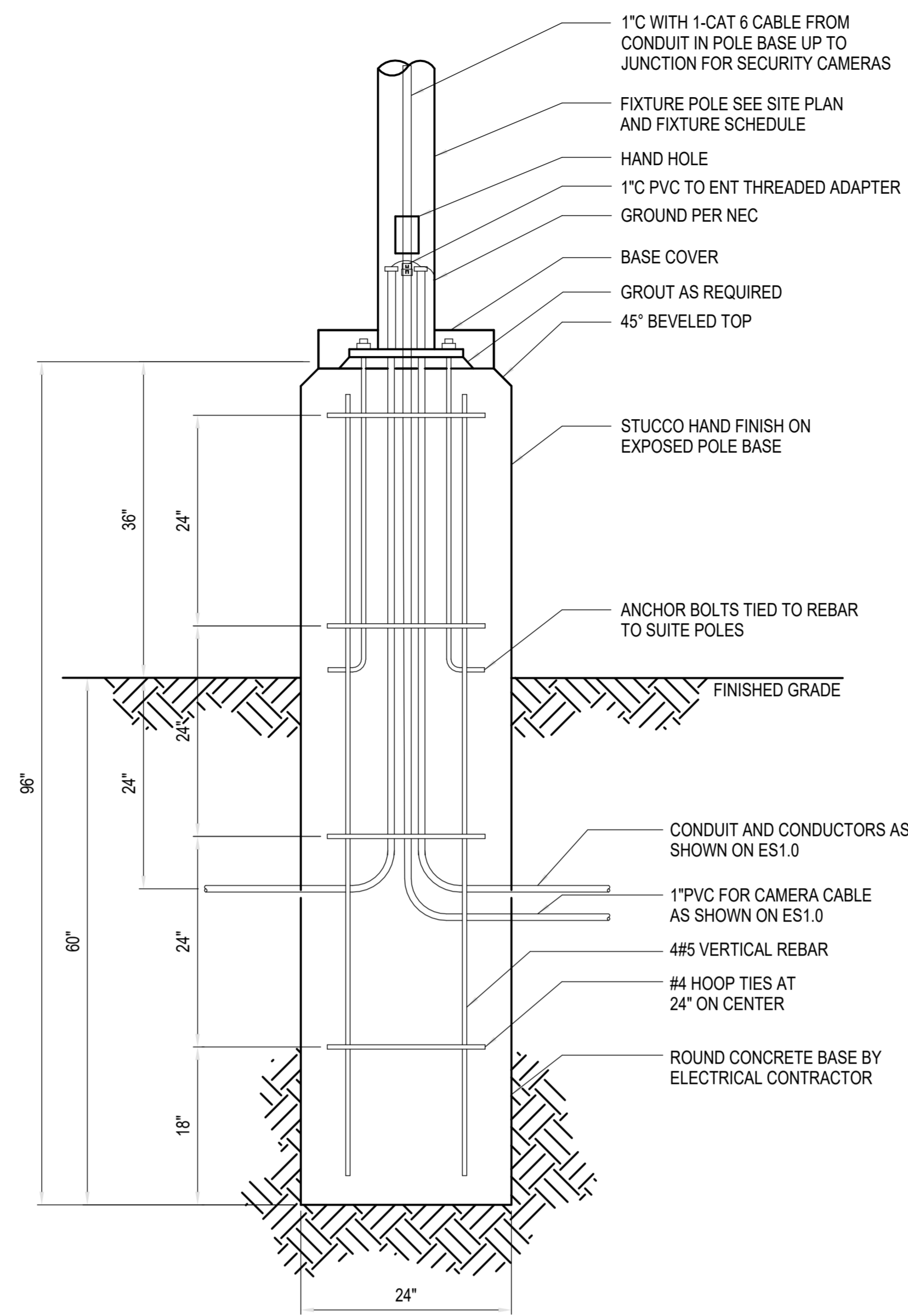
**KIDDIE ACADEMY**  
Lot 177 Foxtail St  
Alpine Meadows, WY

**ELECTRICAL SITE PLAN**

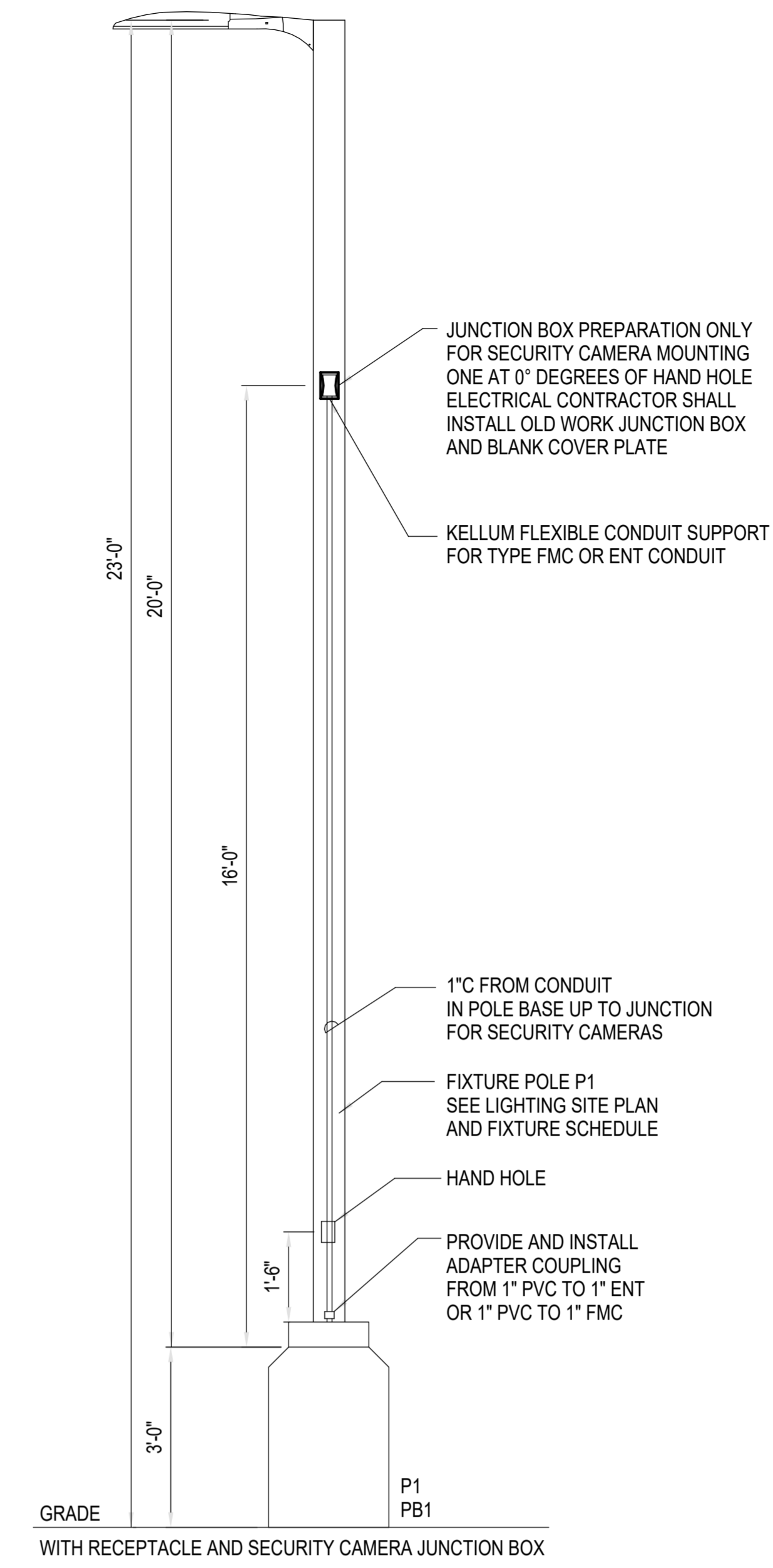
**PRELIMINARY  
NOT FOR  
CONSTRUCTION**  
03/18/2026

DRAWN BY	CJ
CHECKED BY	CJ
DESIGNED BY	MB
JOB NO. 25-133	Date 3-18-26

DRAWING NO.  
**E0.4**



② POLE BASE DETAIL  
1" = 1'-0"



① LIGHT POLE DETAIL  
1/2" = 1'-0"

ADDRESS:  
1450 WEST  
IDAHO FALLS, ID 83402  
TELEPHONE:  
(208) 586-5996  
E-MAIL:  
MATT@MB-ENGINEER.COM



REV	DISCRPTION	DATE

KIDDIE ACADEMY  
Lot 177 Foxtail St  
Alpine Meadows, WY

ELECTRICAL SITE DETAILS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**  
03/18/2026

DRAWN BY	CJ
CHECKED BY	CJ
DESIGNED BY	MB
JOB NO. 25-133	Date 3-18-26

DRAWING NO.  
**E0.5**



# D-Series Size 2 LED Area Luminaire



d#series



Catalog Number

Notes

Type

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

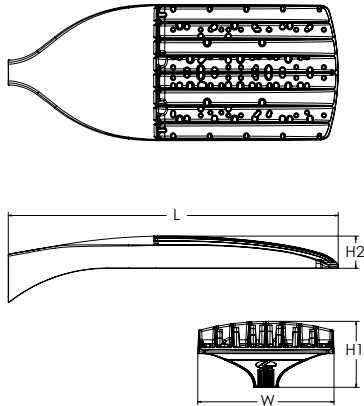
## Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of up to 80% vs. 1000W HID and expected service life of over 100,000 hours.

## Specifications

<b>EPA:</b>	1.06 ft <sup>2</sup> (0.10 m <sup>2</sup> )
<b>Length:</b>	40.59" (103.1 cm)
<b>Width:</b>	16.76" (42.6 cm)
<b>Height H1:</b>	8.11" (20.6 cm)
<b>Height H2:</b>	3.96" (10.1 cm)
<b>Weight:</b>	46 lbs (20.9 kg)



**ds** Design Select options indicated by this color background.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit [www.acuitybrands.com/designselect](http://www.acuitybrands.com/designselect).  
\*See ordering tree for details

## Ordering Information

**EXAMPLE: DSX2 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD**

Series	LEDs	Color temperature <sup>2</sup>	Color Rendering Index <sup>2</sup>	Distribution	Voltage	Mounting	
DSX2 LED	<b>Forward optics</b>	(this section 70CRI only)		AFR Automotive front row	<b>T5M</b> Type V medium	<b>MVOLT</b> (120V-277V) <sup>4</sup>	<b>Shipped included</b>
	P1 P5	30K 3000K	70CRI	T1S Type I short	<b>T5LG</b> Type V low glare	<b>HVOLT</b> (347V-480V) <sup>5,6</sup>	<b>SPA</b> Square pole mounting (#8 drilling)
	P2 P6	40K 4000K	70CRI	<b>T2M</b> Type II medium	<b>T5W</b> Type V wide	<b>XVOLT</b> (277V - 480V) <sup>7,8</sup>	<b>RPA</b> Round pole mounting (#8 drilling)
	P3 P7	50K 5000K	70CRI	<b>T3M</b> Type III medium	<b>BLC3</b> Type III backlight control <sup>3</sup>	<b>120</b> <sup>16, 26</sup>	<b>SPA5</b> Square pole mounting #5 drilling <sup>9</sup>
	<b>Rotated optics</b>	27K 2700K	80CRI	<b>T3LG</b> Type III low glare <sup>3</sup>	<b>BLC4</b> Type IV backlight control <sup>3</sup>	<b>208</b> <sup>16, 26</sup>	<b>RPA5</b> Round pole mounting #5 drilling <sup>9</sup>
	P10 <sup>1</sup> P13 <sup>1</sup>	30K 3000K	80CRI	<b>T4M</b> Type IV medium	<b>LCCO</b> Left corner cutoff <sup>3</sup>	<b>240</b> <sup>16, 26</sup>	<b>SPA8N</b> Square narrow pole mounting #8 drilling
	P11 <sup>1</sup> P14 <sup>1</sup>	35K 3500K	80CRI	<b>T4LG</b> Type IV low glare <sup>3</sup>	<b>RCCO</b> Right corner cutoff <sup>3</sup>	<b>277</b> <sup>16, 26</sup>	<b>WBA</b> Wall bracket <sup>10</sup>
	P12 <sup>1</sup>	40K 4000K	80CRI	<b>TFTM</b> Forward throw medium		<b>347</b> <sup>16, 26</sup>	<b>MA</b> Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
		50K 5000K	80CRI			<b>480</b> <sup>16, 26</sup>	

Control options	Other options	Finish (required)
<b>Shipped installed</b>	<b>Shipped installed</b>	<b>DDBXD</b> Dark Bronze
<b>NLTAIR2 PIRHN</b> nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. <sup>11, 12, 20, 21</sup>	<b>SPD20KV</b> 20KV surge protection	<b>DBLXD</b> Black
<b>PIR</b> High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. <sup>13, 20, 21</sup>	<b>HS</b> Houseside shield (black finish standard) <sup>22</sup>	<b>DNAXD</b> Natural Aluminum
<b>PER</b> NEMA twist-lock receptacle only (controls ordered separate) <sup>14</sup>	<b>L90</b> Left rotated optics <sup>1</sup>	<b>DWHXD</b> White
<b>PERS</b> Five-pin receptacle only (controls ordered separate) <sup>14, 21</sup>	<b>R90</b> Right rotated optics <sup>1</sup>	<b>DDBTDX</b> Textured dark bronze
<b>PER7</b> Seven-pin receptacle only (controls ordered separate) <sup>14, 21</sup>	<b>CCE</b> Coastal Construction <sup>23</sup>	<b>DBLBDX</b> Textured black
<b>FAO</b> Field adjustable output <sup>15, 21</sup>	<b>HA</b> 50°C ambient operation <sup>24</sup>	<b>DNATXD</b> Textured natural aluminum
<b>BL30</b> Bi-level switched dimming, 30% <sup>16, 21</sup>	<b>BAA</b> Buy America(n) Act and/or Build America Buy America Qualified	<b>DWHGDX</b> Textured white
<b>BL50</b> Bi-level switched dimming, 50% <sup>16, 21</sup>	<b>SF</b> Single fuse (120, 277, 347V) <sup>26</sup>	
<b>DMG</b> 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>17</sup>	<b>DF</b> Double fuse (208, 240, 480V) <sup>26</sup>	
<b>DS</b> Dual switching <sup>18, 19, 21</sup>	<b>3G</b> Vibration rated for 3G <sup>27</sup>	
	<b>EGSR</b> External Glare Shield (reversible, field install required, matches housing finish)	
	<b>BSDB</b> Bird Spikes (field install required)	



## Ordering Information

### Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>25</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>25</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>25</sup>
DSHORT SBK	Shorting cap <sup>25</sup>
DSX2HS #	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX2EGSR (FINISH)	External glare shield (specify finish)
DSX2B5DB (FINISH)	Bird spike deterrent bracket (specify finish)

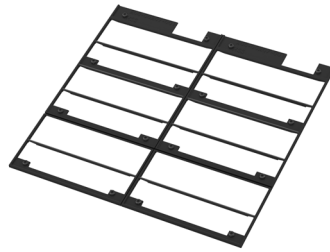
### NOTES

- Rotated optics available with packages P10, P11, P12, P13 and P14. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P10 when combined with option NLTAIR2 PIRHN or option PIR.
- HVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in package P10. XVOLT not available in packages P1, P2, P8, P10, P11, P12 and P14 when combined with option NLTAIR2 PIRHN or option PIR. XVOLT not available with fusing (SF or DF).
- SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#)
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P10 using HVOLT.
- PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P10 using HVOLT.
- PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120 or 277V.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads on P1, P2, P3, P4, P5 (2 drivers). Note: Provides 60/40 operation using (2) different sets of leads on P6, P7, P8, P9, P10, P11, P12, P13, P14 (3 drivers).
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P5, P6, P7, P8, P13 and P14.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- Option 3G for use with (MA) mast arm mount only when 3G vibration is required.

## Shield Accessories



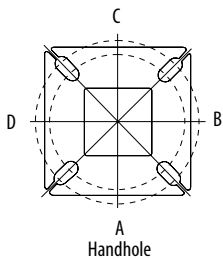
External Glare Shield (EGSR)



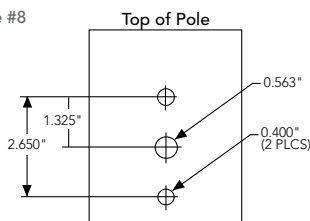
House Side Shield (HS)

## Drilling

### HANDHOLE ORIENTATION



Template #8



### Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
<b>Minimum Acceptable Outside Pole Dimension</b>							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

### DSX2 Area Luminaire - EPA

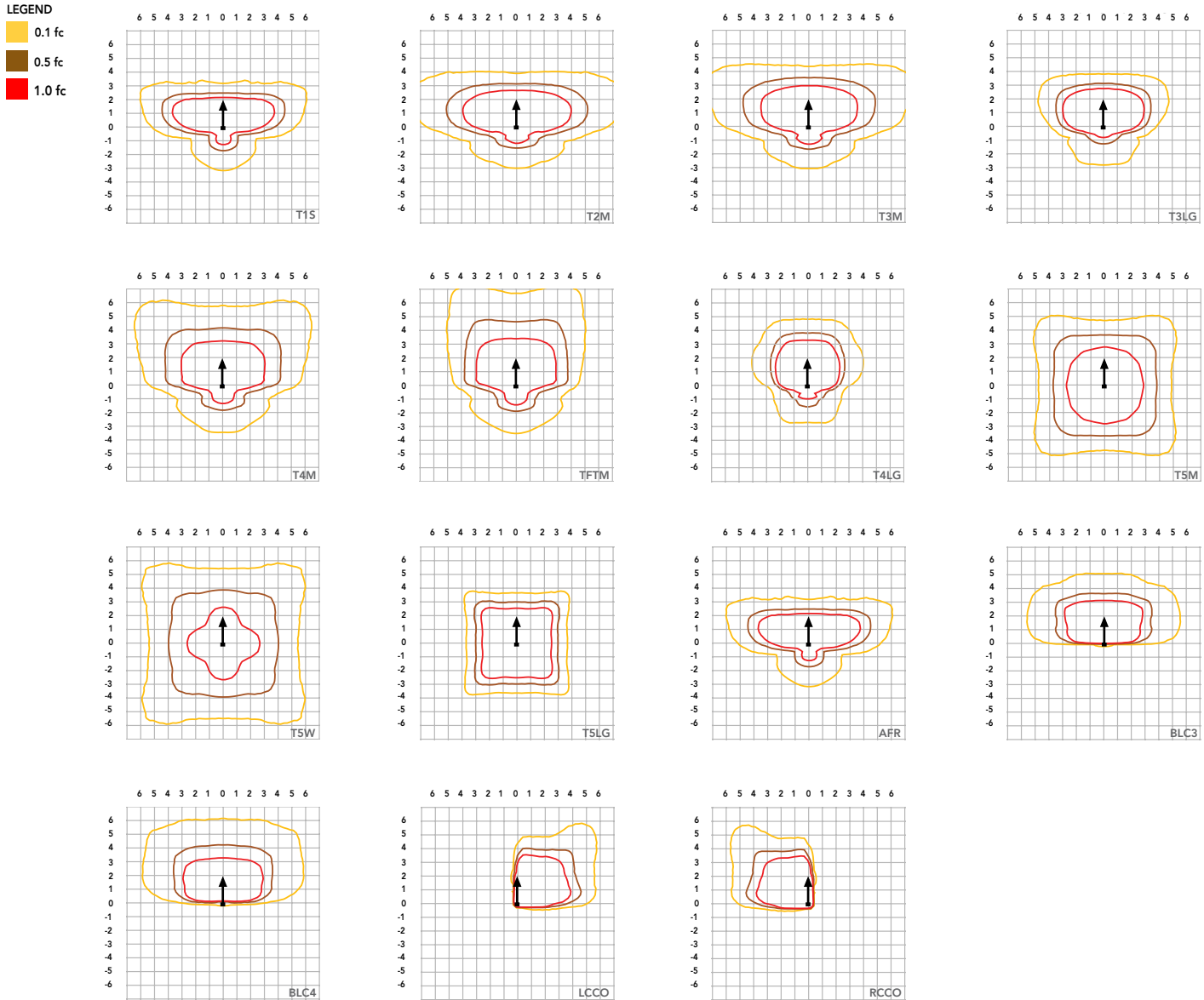
\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX2 with SPA	1.06	2.12	1.84	2.32	---	2.33
DSX2 with SPA5, SPA8N	1.07	2.14	1.90	2.43	---	2.44
DSX2 with RPA, RPA5	1.07	2.14	1.90	2.43	2.31	2.44
DSX2 with MA	1.20	2.40	2.12	3.00	2.92	3.00

# Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [homepage](#).

Isofootcandle plots for the DSX2 LED P8 40K 70CRI. Distances are in units of mounting height (40').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.03
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.82

### FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

\*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

### Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	80	530	135	1.12	0.65	0.56	0.49	0.39	0.28
	P2	80	700	181	1.49	0.86	0.75	0.65	0.52	0.37
	P3	80	850	222	1.83	1.05	0.91	0.79	0.63	0.46
	P4	80	1050	277	2.27	1.31	1.14	0.98	0.79	0.57
	P5	80	1250	333	2.72	1.57	1.36	1.18	0.94	0.68
	P6	100	1050	345	2.85	1.64	1.42	1.23	0.98	0.71
	P7	100	1250	414	3.41	1.97	1.70	1.48	1.18	0.85
	P8	100	1400	466	3.85	2.22	1.93	1.67	1.33	0.96
Rotated Optics (Requires L90 or R90)	P10	90	530	152	1.27	0.73	0.63	0.55	0.44	0.32
	P11	90	700	203	1.69	0.97	0.84	0.73	0.58	0.42
	P12	90	850	249	2.06	1.19	1.03	0.89	0.71	0.52
	P13	90	1200	358	2.95	1.70	1.47	1.28	1.02	0.74
	P14	90	1400	421	3.46	2.00	1.73	1.50	1.20	0.87

### LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

### Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

### Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

# Performance Data

## Lumen Output

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

Forward Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P1	135W	80	530	T1S	19,946	2	0	3	148	20,787	2	0	3	155	21,192	2	0	3	158				
				T2M	18,477	3	0	4	137	19,256	3	0	4	143	19,632	3	0	4	146				
				T3M	18,691	3	0	5	139	19,480	3	0	5	145	19,859	3	0	5	148				
				T3LG	16,696	2	0	2	124	17,400	2	0	2	129	17,740	2	0	2	132				
				T4M	18,970	3	0	5	141	19,770	3	0	5	147	20,155	3	0	5	150				
				T4LG	17,253	2	0	2	128	17,981	2	0	2	134	18,331	2	0	2	136				
				TFTM	19,101	3	0	5	142	19,907	3	0	5	148	20,295	3	0	5	151				
				T5M	19,517	5	0	3	145	20,341	5	0	3	151	20,737	5	0	3	154				
				T5W	19,834	5	0	3	147	20,670	5	0	3	154	21,073	5	0	3	157				
				T5LG	19,574	4	0	2	146	20,400	4	0	2	152	20,797	4	0	2	155				
				BLC3	13,595	0	0	3	101	14,169	0	0	3	105	14,445	0	0	3	107				
				BLC4	14,042	0	0	4	104	14,634	0	0	4	109	14,919	0	0	4	111				
				RCCO	13,718	1	0	3	102	14,297	1	0	3	106	14,576	1	0	3	108				
				LCCO	13,718	1	0	3	102	14,297	1	0	3	106	14,576	1	0	3	108				
				AFR	19,946	2	0	3	148	20,787	2	0	3	155	21,192	2	0	3	158				
				P2	179W	80	700	T1S	25,520	3	0	3	142	26,597	3	0	3	148	27,116	3	0	3	151
								T2M	23,641	3	0	5	132	24,638	3	0	5	137	25,118	3	0	5	140
T3M	23,915	3	0					5	133	24,924	3	0	5	139	25,410	3	0	5	142				
T3LG	21,363	3	0					3	119	22,264	3	0	3	124	22,698	3	0	3	127				
T4M	24,272	3	0					5	135	25,296	3	0	5	141	25,789	3	0	5	144				
T4LG	22,075	3	0					3	123	23,006	3	0	3	128	23,455	3	0	3	131				
TFTM	24,440	3	0					5	136	25,471	3	0	5	142	25,967	3	0	5	145				
T5M	24,972	5	0					3	139	26,026	5	0	3	145	26,533	5	0	4	148				
T5W	25,377	5	0					4	142	26,448	5	0	4	148	26,963	5	0	4	150				
T5LG	25,045	4	0					2	140	26,101	4	0	2	146	26,610	4	0	2	148				
BLC3	17,395	0	0					4	97	18,129	0	0	4	101	18,482	0	0	4	103				
BLC4	17,966	0	0					4	100	18,724	0	0	5	104	19,089	0	0	5	107				
RCCO	17,552	1	0					4	98	18,293	1	0	4	102	18,649	1	0	4	104				
LCCO	17,552	1	0					4	98	18,293	1	0	4	102	18,649	1	0	4	104				
AFR	25,520	3	0					3	142	26,597	3	0	3	148	27,116	3	0	3	151				
P3	219W	80	850					T1S	30,127	3	0	4	137	31,398	3	0	4	143	32,010	3	0	4	146
								T2M	27,908	3	0	5	127	29,085	3	0	5	133	29,652	3	0	5	135
				T3M	28,232	3	0	5	129	29,423	3	0	5	134	29,996	3	0	5	137				
				T3LG	25,218	3	0	3	115	26,282	3	0	3	120	26,794	3	0	3	122				
				T4M	28,652	3	0	5	131	29,861	3	0	5	136	30,443	3	0	5	139				
				T4LG	26,059	3	0	3	119	27,159	3	0	3	124	27,688	3	0	3	126				
				TFTM	28,851	3	0	5	132	30,068	3	0	5	137	30,654	3	0	5	140				
				T5M	29,479	5	0	4	134	30,723	5	0	4	140	31,322	5	0	4	143				
				T5W	29,957	5	0	4	137	31,221	5	0	4	142	31,830	5	0	4	145				
				T5LG	29,565	4	0	2	135	30,812	5	0	2	140	31,413	5	0	2	143				
				BLC3	20,535	0	0	4	94	21,401	0	0	4	98	21,818	0	0	4	99				
				BLC4	21,209	0	0	5	97	22,104	0	0	5	101	22,534	0	0	5	103				
				RCCO	20,720	1	0	4	94	21,594	1	0	4	98	22,015	1	0	4	100				
				LCCO	20,720	1	0	4	94	21,594	1	0	4	98	22,015	1	0	4	100				
				AFR	30,127	3	0	4	137	31,398	3	0	4	143	32,010	3	0	4	146				
				P4	273W	80	1050	T1S	35,879	3	0	4	132	37,392	3	0	4	137	38,121	3	0	4	140
								T2M	33,236	3	0	5	122	34,638	3	0	5	127	35,313	3	0	5	130
T3M	33,622	3	0					5	123	35,040	3	0	5	129	35,723	3	0	5	131				
T3LG	30,033	3	0					4	110	31,300	3	0	4	115	31,910	3	0	4	117				
T4M	34,123	3	0					5	125	35,562	3	0	5	130	36,255	3	0	5	133				
T4LG	31,035	3	0					4	114	32,344	3	0	4	119	32,974	3	0	4	121				
TFTM	34,359	3	0					5	126	35,808	3	0	5	131	36,506	3	0	5	134				
T5M	35,108	5	0					4	129	36,589	5	0	4	134	37,302	5	0	4	137				
T5W	35,677	5	0					4	131	37,182	5	0	5	136	37,907	5	0	5	139				
T5LG	35,209	5	0					3	129	36,695	5	0	3	135	37,410	5	0	3	137				
BLC3	24,456	0	0					4	90	25,487	0	0	4	93	25,984	0	0	5	95				
BLC4	25,258	0	0					5	93	26,324	0	0	5	97	26,837	0	0	5	98				
RCCO	24,676	1	0					4	91	25,717	1	0	4	94	26,218	1	0	4	96				
LCCO	24,676	1	0					4	91	25,717	1	0	4	94	26,218	1	0	4	96				
AFR	35,879	3	0					4	132	37,392	3	0	4	137	38,121	3	0	4	140				

# Performance Data

## Lumen Output

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

Forward Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P5	327W	80	1250	T1S	41,149	3	0	4	126	42,885	3	0	4	131	43,721	3	0	4	134				
				T2M	38,118	4	0	5	117	39,727	4	0	5	122	40,501	4	0	5	124				
				T3M	38,561	3	0	5	118	40,187	3	0	5	123	40,971	3	0	5	125				
				T3LG	34,445	3	0	4	105	35,898	3	0	4	110	36,598	3	0	4	112				
				T4M	39,135	3	0	5	120	40,786	3	0	5	125	41,581	3	0	5	127				
				T4LG	35,594	3	0	4	109	37,095	3	0	4	114	37,818	3	0	4	116				
				TFTM	39,406	3	0	5	121	41,069	3	0	5	126	41,869	3	0	5	128				
				T5M	40,265	5	0	4	123	41,964	5	0	4	128	42,782	5	0	5	131				
				T5W	40,918	5	0	5	125	42,644	5	0	5	131	43,475	5	0	5	133				
				T5LG	40,382	5	0	3	124	42,085	5	0	3	129	42,906	5	0	3	131				
				BLC3	28,048	0	0	5	86	29,231	0	0	5	90	29,801	0	0	5	91				
				BLC4	28,969	0	0	5	89	30,191	0	0	5	92	30,779	0	0	5	94				
				RCCO	28,301	2	0	5	87	29,495	2	0	5	90	30,070	2	0	5	92				
				LCCO	28,301	2	0	5	87	29,495	2	0	5	90	30,070	2	0	5	92				
				AFR	41,149	3	0	4	126	42,885	3	0	4	131	43,721	3	0	4	134				
				P6	342W	100	1050	T1S	45,968	3	0	4	135	47,907	3	0	5	140	48,841	3	0	5	143
								T2M	42,582	4	0	5	125	44,379	4	0	5	130	45,244	4	0	5	132
T3M	43,076	4	0					5	126	44,894	4	0	5	131	45,769	4	0	5	134				
T3LG	38,479	3	0					4	113	40,102	3	0	4	117	40,884	3	0	4	120				
T4M	43,719	4	0					5	128	45,563	4	0	5	133	46,451	4	0	5	136				
T4LG	39,762	3	0					4	116	41,439	3	0	4	121	42,247	3	0	4	124				
TFTM	44,021	3	0					5	129	45,878	4	0	5	134	46,772	4	0	5	137				
T5M	44,980	5	0					5	132	46,878	5	0	5	137	47,792	5	0	5	140				
T5W	45,710	5	0					5	134	47,638	5	0	5	139	48,566	5	0	5	142				
T5LG	45,111	5	0					3	132	47,014	5	0	3	138	47,930	5	0	3	140				
BLC3	31,333	0	0					5	92	32,655	0	0	5	96	33,291	0	0	5	97				
BLC4	32,361	0	0					5	95	33,726	0	0	5	99	34,384	0	0	5	101				
RCCO	31,615	2	0					5	93	32,949	2	0	5	96	33,591	2	0	5	98				
LCCO	31,615	2	0					5	93	32,949	2	0	5	96	33,591	2	0	5	98				
AFR	45,968	3	0					4	135	47,907	3	0	5	140	48,841	3	0	5	143				
P7	409W	100	1250					T1S	52,692	3	0	5	129	54,915	3	0	5	134	55,986	3	0	5	137
								T2M	48,811	4	0	5	119	50,871	4	0	5	124	51,862	4	0	5	127
				T3M	49,378	4	0	5	121	51,461	4	0	5	126	52,464	4	0	5	128				
				T3LG	44,107	3	0	4	108	45,968	3	0	4	112	46,864	3	0	5	115				
				T4M	50,114	4	0	5	122	52,228	4	0	5	128	53,246	4	0	5	130				
				T4LG	45,579	3	0	4	111	47,501	3	0	4	116	48,427	3	0	4	118				
				TFTM	50,460	4	0	5	123	52,589	4	0	5	129	53,614	4	0	5	131				
				T5M	51,560	5	0	5	126	53,735	5	0	5	131	54,783	5	0	5	134				
				T5W	52,396	5	0	5	128	54,607	5	0	5	133	55,671	5	0	5	136				
				T5LG	51,710	5	0	4	126	53,891	5	0	4	132	54,941	5	0	4	134				
				BLC3	35,916	1	0	5	88	37,431	1	0	5	91	38,161	1	0	5	93				
				BLC4	37,095	0	0	5	91	38,660	0	0	5	94	39,413	0	0	5	96				
				RCCO	36,240	2	0	5	89	37,769	2	0	5	92	38,505	2	0	5	94				
				LCCO	36,240	2	0	5	89	37,769	2	0	5	92	38,505	2	0	5	94				
				AFR	52,692	3	0	5	129	54,915	3	0	5	134	55,986	3	0	5	137				
				P8	462W	100	1400	T1S	57,662	3	0	5	125	60,094	4	0	5	130	61,266	4	0	5	132
								T2M	53,415	4	0	5	116	55,668	4	0	5	120	56,753	4	0	5	123
T3M	54,034	4	0					5	117	56,314	4	0	5	122	57,412	4	0	5	124				
T3LG	48,267	3	0					5	104	50,304	3	0	5	109	51,284	4	0	5	111				
T4M	54,840	4	0					5	119	57,154	4	0	5	124	58,268	4	0	5	126				
T4LG	49,877	3	0					5	108	51,981	3	0	5	112	52,994	3	0	5	115				
TFTM	55,219	4	0					5	119	57,549	4	0	5	124	58,671	4	0	5	127				
T5M	56,423	5	0					5	122	58,803	5	0	5	127	59,949	5	0	5	130				
T5W	57,338	5	0					5	124	59,757	5	0	5	129	60,921	5	0	5	132				
T5LG	56,586	5	0					4	122	58,974	5	0	4	128	60,123	5	0	4	130				
BLC3	39,303	1	0					5	85	40,962	1	0	5	89	41,760	1	0	5	90				
BLC4	40,593	0	0					5	88	42,306	0	0	5	91	43,130	0	0	5	93				
RCCO	39,658	2	0					5	86	41,331	2	0	5	89	42,137	2	0	5	91				
LCCO	39,658	2	0					5	86	41,331	2	0	5	89	42,137	2	0	5	91				
AFR	57,662	3	0					5	125	60,094	4	0	5	130	61,266	4	0	5	132				

# Performance Data

## Lumen Output

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

### Rotated Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P10	152W	90	530	T1S	22,798	4	0	4	150	23,760	4	0	4	156	24,223	4	0	4	159				
				T2M	21,119	5	0	5	139	22,010	5	0	5	145	22,439	5	0	5	148				
				T3M	21,361	5	0	5	141	22,262	5	0	5	147	22,696	5	0	5	149				
				T3LG	19,084	4	0	4	126	19,889	4	0	4	131	20,277	4	0	4	133				
				T4M	21,679	5	0	5	143	22,594	5	0	5	149	23,034	5	0	5	152				
				T4LG	19,717	4	0	4	130	20,549	4	0	4	135	20,950	4	0	4	138				
				TFTM	21,833	5	0	5	144	22,754	5	0	5	150	23,197	5	0	5	153				
				T5M	22,305	5	0	3	147	23,246	5	0	3	153	23,699	5	0	3	156				
				T5W	22,667	5	0	3	149	23,623	5	0	4	155	24,084	5	0	4	158				
				T5LG	22,370	4	0	2	147	23,314	4	0	2	153	23,768	4	0	2	156				
				BLC3	15,539	4	0	4	102	16,194	4	0	4	107	16,510	4	0	4	109				
				BLC4	16,048	4	0	4	106	16,725	4	0	4	110	17,051	4	0	4	112				
				RCCO	15,679	1	0	3	103	16,340	1	0	3	108	16,659	1	0	3	110				
				LCCO	15,679	1	0	3	103	16,340	1	0	3	108	16,659	1	0	3	110				
				AFR	22,798	4	0	4	150	23,760	4	0	4	156	24,223	4	0	4	159				
				P11	203W	90	700	T1S	29,222	4	0	4	144	30,455	4	0	4	150	31,048	4	0	4	153
								T2M	27,070	5	0	5	134	28,212	5	0	5	139	28,762	5	0	5	142
T3M	27,380	5	0					5	135	28,535	5	0	5	141	29,091	5	0	5	144				
T3LG	24,462	4	0					4	121	25,493	4	0	4	126	25,990	4	0	4	128				
T4M	27,788	5	0					5	137	28,960	5	0	5	143	29,525	5	0	5	146				
T4LG	25,273	4	0					4	125	26,339	4	0	4	130	26,853	4	0	4	133				
TFTM	27,985	5	0					5	138	29,165	5	0	5	144	29,734	5	0	5	147				
T5M	28,591	5	0					4	141	29,797	5	0	4	147	30,377	5	0	4	150				
T5W	29,054	5	0					4	143	30,280	5	0	4	149	30,870	5	0	4	152				
T5LG	28,673	4	0					2	142	29,883	4	0	2	148	30,465	5	0	2	150				
BLC3	19,917	4	0					4	98	20,757	4	0	4	102	21,162	4	0	4	104				
BLC4	20,570	5	0					5	102	21,437	5	0	5	106	21,855	5	0	5	108				
RCCO	20,097	1	0					4	99	20,945	1	0	4	103	21,353	1	0	4	105				
LCCO	20,097	1	0					4	99	20,945	1	0	4	103	21,353	1	0	4	105				
AFR	29,222	4	0					4	144	30,455	4	0	4	150	31,048	4	0	4	153				
P12	248W	90	850					T1S	34,526	5	0	5	139	35,983	5	0	5	145	36,684	5	0	5	148
								T2M	31,984	5	0	5	129	33,333	5	0	5	135	33,983	5	0	5	137
				T3M	32,350	5	0	5	131	33,715	5	0	5	136	34,372	5	0	5	139				
				T3LG	28,902	4	0	4	117	30,121	4	0	4	122	30,708	4	0	4	124				
				T4M	32,832	5	0	5	133	34,217	5	0	5	138	34,884	5	0	5	141				
				T4LG	29,861	4	0	4	121	31,120	4	0	4	126	31,727	5	0	4	128				
				TFTM	33,064	5	0	5	134	34,459	5	0	5	139	35,131	5	0	5	142				
				T5M	33,780	5	0	4	136	35,205	5	0	4	142	35,891	5	0	4	145				
				T5W	34,327	5	0	4	139	35,776	5	0	4	145	36,473	5	0	4	147				
				T5LG	33,878	5	0	3	137	35,307	5	0	3	143	35,995	5	0	3	145				
				BLC3	23,532	5	0	5	95	24,525	5	0	5	99	25,003	5	0	5	101				
				BLC4	24,303	5	0	5	98	25,328	5	0	5	102	25,822	5	0	5	104				
				RCCO	23,745	1	0	4	96	24,747	1	0	4	100	25,229	1	0	4	102				
				LCCO	23,745	1	0	4	96	24,747	1	0	4	100	25,229	1	0	4	102				
				AFR	34,526	5	0	5	139	35,983	5	0	5	145	36,684	5	0	5	148				

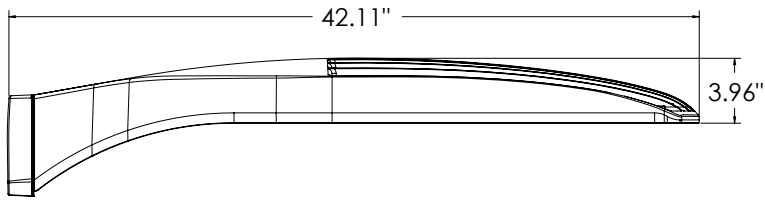
## Performance Data

### Lumen Output

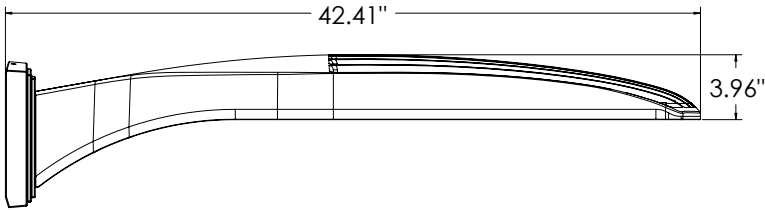
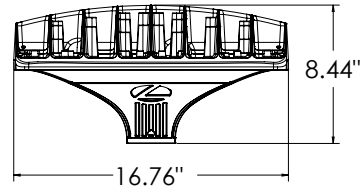
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P13	354W	90	1200	T1S	45,748	5	0	5	129	47,678	5	0	5	135	48,608	5	0	5	137				
				T2M	42,380	5	0	5	120	44,168	5	0	5	125	45,029	5	0	5	127				
				T3M	42,865	5	0	5	121	44,673	5	0	5	126	45,544	5	0	5	129				
				T3LG	38,296	5	0	5	108	39,911	5	0	5	113	40,689	5	0	5	115				
				T4M	43,503	5	0	5	123	45,339	5	0	5	128	46,222	5	0	5	131				
				T4LG	39,566	5	0	5	112	41,235	5	0	5	117	42,039	5	0	5	119				
				TFTM	43,811	5	0	5	124	45,659	5	0	5	129	46,549	5	0	5	132				
				T5M	44,760	5	0	5	126	46,648	5	0	5	132	47,557	5	0	5	134				
				T5W	45,485	5	0	5	129	47,404	5	0	5	134	48,328	5	0	5	137				
				T5LG	44,889	5	0	3	127	46,783	5	0	3	132	47,695	5	0	3	135				
				BLC3	31,181	5	0	5	88	32,496	5	0	5	92	33,130	5	0	5	94				
				BLC4	32,202	5	0	5	91	33,561	5	0	5	95	34,215	5	0	5	97				
				RCCO	31,463	2	0	5	89	32,790	2	0	5	93	33,429	2	0	5	94				
				LCCO	31,463	2	0	5	89	32,790	2	0	5	93	33,429	2	0	5	94				
				AFR	45,748	5	0	5	129	47,678	5	0	5	135	48,608	5	0	5	137				
				P14	415W	90	1400	T1S	51,272	5	0	5	123	53,435	5	0	5	129	54,476	5	0	5	131
								T2M	47,497	5	0	5	114	49,500	5	0	5	119	50,465	5	0	5	121
T3M	48,040	5	0					5	116	50,067	5	0	5	121	51,043	5	0	5	123				
T3LG	42,919	5	0					5	103	44,730	5	0	5	108	45,602	5	0	5	110				
T4M	48,756	5	0					5	117	50,813	5	0	5	122	51,803	5	0	5	125				
T4LG	44,343	5	0					5	107	46,214	5	0	5	111	47,115	5	0	5	113				
TFTM	49,101	5	0					5	118	51,172	5	0	5	123	52,169	5	0	5	126				
T5M	50,164	5	0					5	121	52,280	5	0	5	126	53,299	5	0	5	128				
T5W	50,977	5	0					5	123	53,127	5	0	5	128	54,163	5	0	5	130				
T5LG	50,309	5	0					4	121	52,432	5	0	4	126	53,453	5	0	4	129				
BLC3	34,945	5	0					5	84	36,420	5	0	5	88	37,130	5	0	5	89				
BLC4	36,090	5	0					5	87	37,613	5	0	5	91	38,346	5	0	5	92				
RCCO	35,261	2	0					5	85	36,749	2	0	5	88	37,465	2	0	5	90				
LCCO	35,261	2	0					5	85	36,749	2	0	5	88	37,465	2	0	5	90				
AFR	51,272	5	0					5	123	53,435	5	0	5	129	54,476	5	0	5	131				

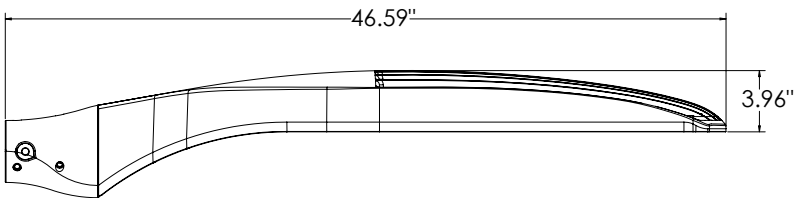
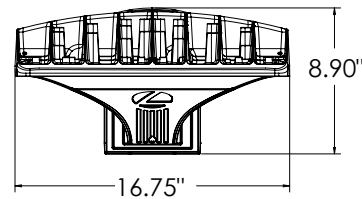
# Dimensions



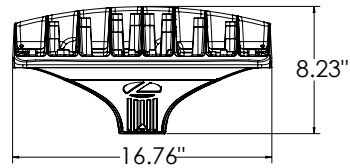
**DSX2 with RPA, RPA5, SPA5, SPA8N mount**  
Weight: 48 lbs



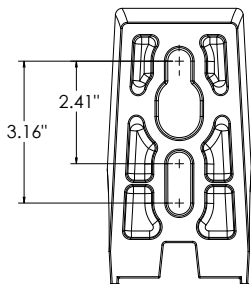
**DSX2 with WBA mount**  
Weight: 50 lbs



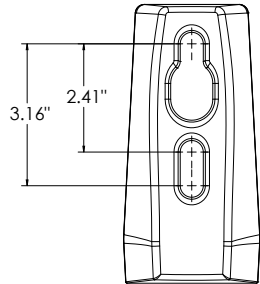
**DSX2 with MA mount**  
Weight: 50 lbs



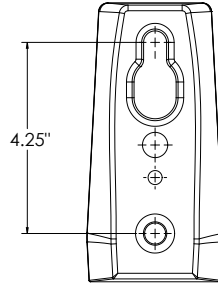
**SPA (STANDARD ARM)**



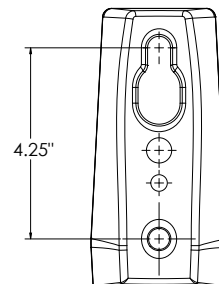
**RPA**



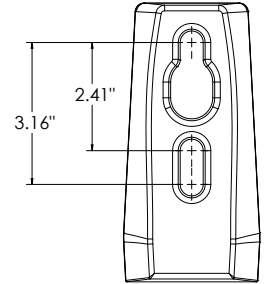
**SPA5**



**RPA5**

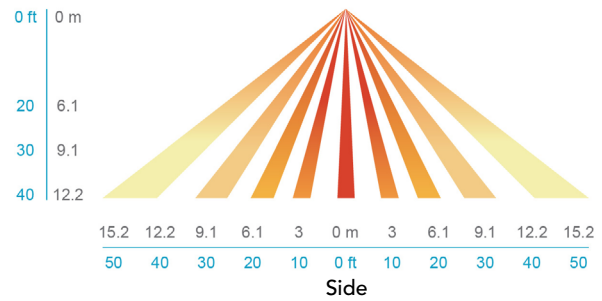
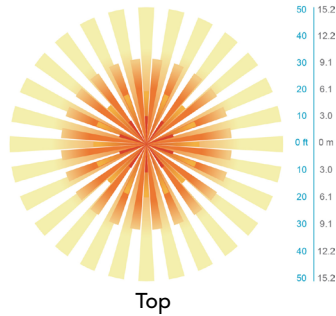
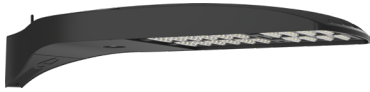


**SPA8N**



## nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. 3G vibration rated available for (MA) mast arm mount when specifying option 3G. Low EPA (1.06 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

### OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 2 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L82/100,000 hrs at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily-serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drillings from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

### STANDARD CONTROLS

The DSX2 LED area luminaire has a number of control options. DSX Size 2, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

### nLIGHT AIR CONTROLS

The DSX2 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

### LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

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

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

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

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



# ARC1 LED

## Architectural Wall Luminaire



Catalog Number

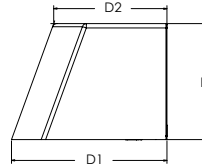
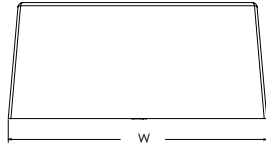
Notes

Type

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

### Specifications

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



### Introduction

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

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

### ARC LED Family Overview

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

### Ordering Information

**EXAMPLE: ARC1 LED P2 40K MVOLT PE DDBXD**

Series	Package	Color Temperature	Voltage	Options	Finish
ARC1 LED	P1 1,500 Lumens	30K 3000K	MVOLT 347 <sup>1</sup>	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) <sup>1</sup>	DDBXD Dark bronze
	P2 2,000 Lumens	40K 4000K		PE Button type photocell for dusk-to-dawn operation	DBLXD Black
	P3 3,000 Lumens	50K 5000K		DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>2</sup>	DNAXD Natural aluminum
				SPD6KV 6kV surge protection	DWHXD White
				FAO Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100% <sup>2</sup>	DSSXD Sandstone
				LDS18 18" Fixture leads	DDBTXD Textured dark bronze
					DBLBDX Textured black
					DNATXD Textured natural aluminum
					DWHGXD Textured white
					DSSTXD Textured sandstone

### Accessories

Ordered and shipped separately.

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

### NOTES

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



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
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ARC1 LED  
 Rev. 08/27/24

## Performance Data

### Lumen Output

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

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

### Electrical Load

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

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

Option	Lumens
E4WH	620

### Lumen Ambient Temperature (LAT) Multipliers

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

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

### Projected LED Lumen Maintenance

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

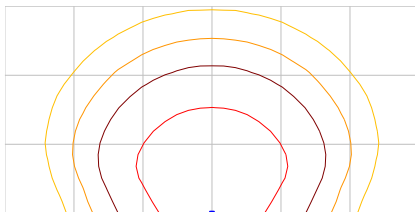
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	0.97	>0.96	>0.95	>0.91

## Photometric Diagrams

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

#### LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc



MH = 10ft  
Grid = 10ft x 10ft

ARC1 LED P3 40K

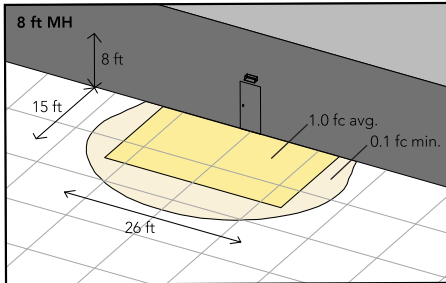
## Emergency Egress Options

### Emergency Battery Backup

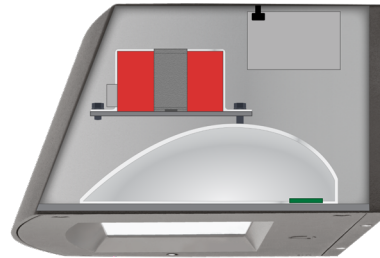
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately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

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

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



ARC1 LED 40K MVOLT E4WH



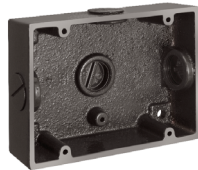
Self-contained solution for clean aesthetic

## Mounting, Options & Accessories



### E4WH – 4W Emergency Battery Backup

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



### BBW – Standard Back Box

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

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

## FEATURES & SPECIFICATIONS

### INTENDED USE

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

### CONSTRUCTION

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

### FINISH

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

### OPTICS

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

### ELECTRICAL

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

### INSTALLATION

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

### LISTINGS

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

### WARRANTY

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

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

