

# THE WATER HOLE REBUILD

## FINAL DEVELOPMENT PLAN

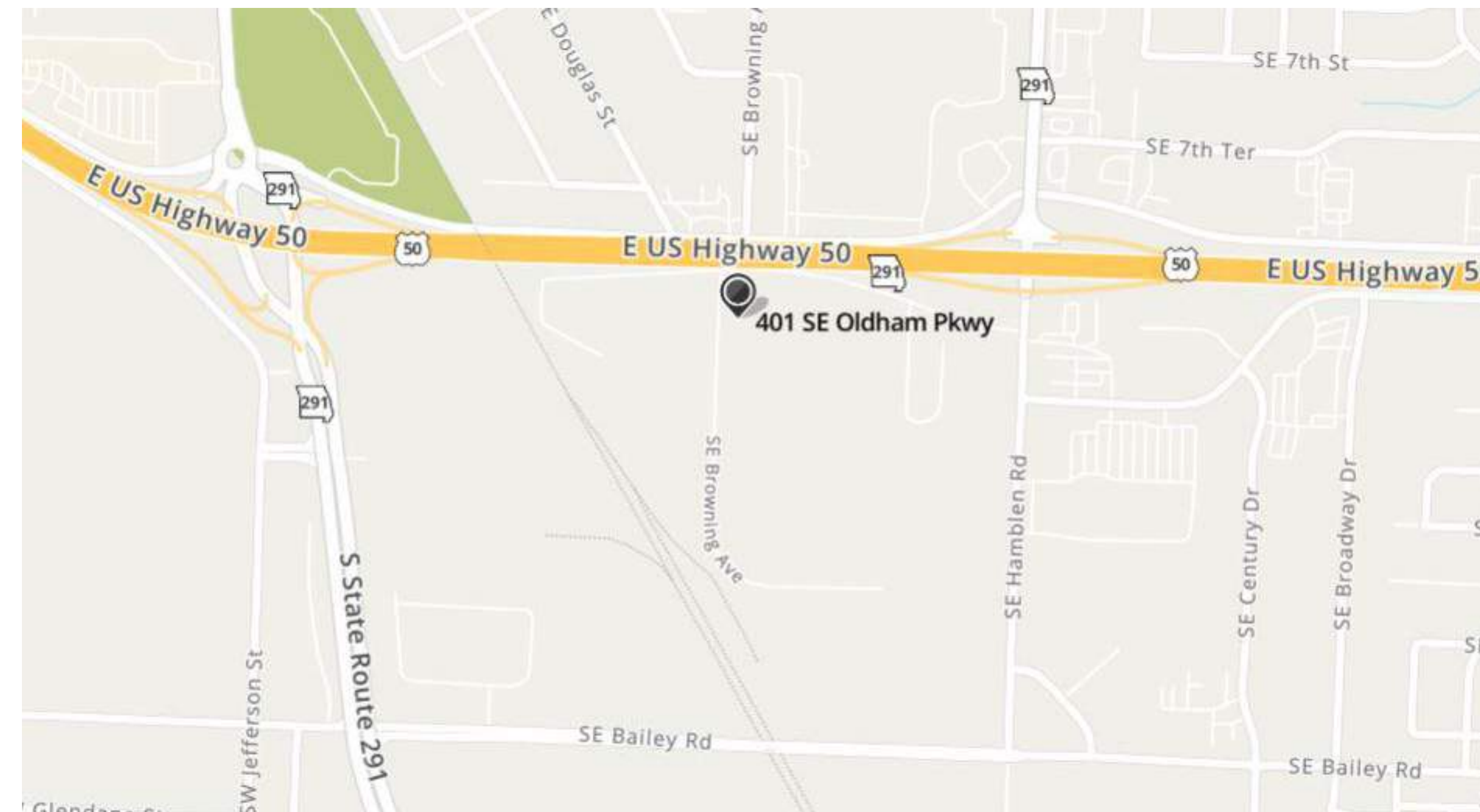
NOVEMBER 04, 2022



ARCHITECT

**THE WATER HOLE REBUILD**  
401 SE OLDHAM PARKWAY  
FFES SUMMIT, MO 64081  
**FINAL DEVELOPMENT PLAN**

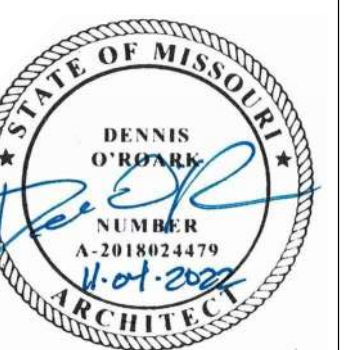
ABBREVIATIONS									
<b>A</b>	A/C	AIR CONDITIONING	<b>G</b>	GA.	GALV.	GALVANIZED	<b>R</b>	R'S	RISERS
	AV	ACOUSTICAL CEILING TILE		GALV.	GALVANIZED		RD	RD	ROOF DRAIN
	ACT	ABOVE FINISHED FLOOR		GFR	GLASS FIBER REINFORCED CONCRETE		RE	RE	REFERENCE/REFER TO
	A.F.F.	AIR HANDLING UNIT		GYP.	GYPSUM		REIN.	REIN.	REINFORCING
	AHU	ALUMINUM		H	HDR	HEADER	REQ/DIREQ'S	REQ/DIREQ'S	REQUIRED/REQUIREMENTS
	ALUM.	APPROXIMATELY		H.M.	HOLLOW METAL	HOLLOW METAL	REV.	REV.	REVISION
	APPROX.	ARCHITECT/ARCHITECTURAL		HORIZ.	HORIZONTAL	HORIZONTAL	RM.	RM.	ROOM
	ARCH.	BOARD		HT.	HEIGHT	HEIGHT	R.O.	R.O.	ROUGH OPENING
	<b>B</b>	BLDG.		HVAC	HEATING/VENTILATION/AIR CONDITIONING	HEATING/VENTILATION/AIR CONDITIONING	RTU	RTU	ROOF TOP UNIT
	B.O.	BOTTOM OF		I	I.D.	INSIDE DIAMETER	R/W	R/W	RIGHT OF WAY
	BOT.	BOTTOM		IN.	INCH	INCH	S	SAN.	SANITARY
	BRG.	BEARING		INFO	INFORMATION	INFORMATION	SCH./SCHED.	SCH./SCHED.	SCHEDULE
	<b>C</b>	CFM		INSUL.	INSULATION/INSULATED	INSULATION/INSULATED	SECT.	SECT.	SECTION
	C.F.P.	CUBIC FEET PER MINUTE		J	JAN.	JANITOR	S.F.	S.F.	SQUARE FEET/FOOT
	CJ	CONTROL JOINT		JST.	JOIST	JOIST	SHT.	SHT.	SHEET
	CLG.	CEILING		JT.	JOINT	JOINT	SIM.	SIM.	SIMILAR
	CLOS.	CLOSET		K	KIT.	KITCHEN	SOG	SOG	SLAB ON GRADE
	CLR.	CLEAR/CLEARANCE		L	LAV.	LAVATORY	SQ.	SQ.	SQUARE
	CMU	CONCRETE MASONRY UNIT		L.F.	LINEAR FEET/FOOT	LINEAR FEET/FOOT	SS	SS	STAINLESS STEEL
	COL.	COLUMN		LT.	LIGHT	LIGHT	STC	STC	SOUND TRANSMISSION COEFFICIENT
	CONC.	CONCRETE		M	MAX.	MAXIMUM	STD.	STD.	STANDARD
	CONST.	CONSTRUCTION		MECH.	MECHANICAL	MECHANICAL	STOR.	STOR.	STORAGE
	CONT.	CONTINUOUS		MFR.	MANUFACTURER	MANUFACTURER	STRUC.	STRUC.	STRUCTURAL
	CTR.	CENTER		MIN.	MINIMUM	MINIMUM	SUSP.	SUSP.	SUSPENDED
	<b>D</b>	DBL		MISC.	MISCELLANEOUS	MISCELLANEOUS	S.V.	S.V.	SQUARE YARDS
	DBL	DOUBLE		MTL.	METAL	METAL	SYM.	SYM.	SYMMETRICAL
	DEMO	DEMOLISH/DEMOLITION		N	N/A	NOT APPLICABLE	Ts	Ts	TREADS
	DEPT.	DEPARTMENT		N.C.	NOT IN CONTRACT	NOT IN CONTRACT	T&B	T&B	TOP & BOTTOM
	DF	DRINKING FOUNTAIN		NO.	NOT TO SCALE	NOT TO SCALE	T&G	T&G	TONGUE & GROOVE
	DIA.	DIAMETER		N.T.S.	NOT TO SCALE	NOT TO SCALE	TEMP.	TEMP.	TEMPORARY
	DIM.	DIMENSION		O	O.C.	ON CENTER	THRU	THRU	THROUGH
	DR.	DOOR		O.D.	OUTSIDE DIAMETER	OUTSIDE DIAMETER	T.O.	T.O.	TOP OF
	DS	DOWNSPOUT		O.H.	OPPOSITE HAND	OPPOSITE HAND	TV	TV	TELEVISION
	DTL	DETAIL		OVHD.	OVERHEAD	OVERHEAD	TYP.	TYP.	TYPICAL
	DWG./DWGS.	DRAWING/DRAWINGS		OZ.	OUNCE/OUNCES	OUNCE/OUNCES	U	U	UNDERGROUND
	<b>E</b>	EA		P	P.E.M.	PRE-ENGINEERED METAL BUILDING	UNFIN.	UNFIN.	UNFINISHED
	EF	EXHAUST FAN		P.LAM	PLASTIC LAMINATE	PLASTIC LAMINATE	U.N.O.	U.N.O.	UNLESS NOTED OTHERWISE
	EJ	EXPANSION JOIST		POLY	POLYETHYLENE	POLYETHYLENE	V	V	VINYL COMPOSITION TILE
	EL	ELEVATION (HEIGHT)		PREFAB.	PREFABRICATED	PREFABRICATED	VERT.	VERT.	VERTICAL
	ELEC.	ELECTRICAL		PREFIN.	PREFINISHED	PREFINISHED	V.I.F.	V.I.F.	VERIFY IN FIELD
	ELEV.	ELEVATION (DRAWING)		PREMFRD.	PREMANUFACTURED	PREMANUFACTURED	W	W	WITH
	EQ.	EQUAL		PSF	POUNDS PER SQUARE FOOT	POUNDS PER SQUARE FOOT	WC	WC	WATER CLOSET
	EQUIP.	EQUIPMENT		PSI	POUNDS PER SQUARE INCH	POUNDS PER SQUARE INCH	WD	WD	WOOD
	EXIST.	EXISTING		PTD.	PAINTED	PAINTED	WDW	WDW	WINDOW
	EXP.	EXPANSION/EXPANDED		PVC	POLYVINYL CHLORIDE	POLYVINYL CHLORIDE	WT.	WT.	WEIGHT
	<b>F</b>	FD		QTY.	QUANTITY	QUANTITY	<b>MISCELLANEOUS</b>		
	FDC	FIRE DEPT. CONNECTION					@	@	AT
	FDN.	FOUNDATION					&	&	AND
	FE	FIRE EXTINGUISHER					Ø	Ø	DIAMETER
	FEC	FIRE EXTINGUISHER CABINET							
	FIN.	FINISHED							
	FLR.	FLOOR							
	FT.	FEET/FOOT							
	FTG.	FOOTING							



### PROJECT LOCATION

SHEET INDEX	
SHEET NUMBER	SHEET NAME
CS 1	COVER SHEET
A1.01	FLOOR PLANS & ROOF PLAN
A2.01	EXTERIOR ELEVATIONS
A2.02	EXTERIOR ELEVATIONS
PH1.00	SITE PHOTOMETRIC PLAN

#	Description	Date



Date 11-04-2022  
Drawn by DO  
Checked by DO




COVER SHEET

**CS 1**  
Scale 1/4" = 1'-0"



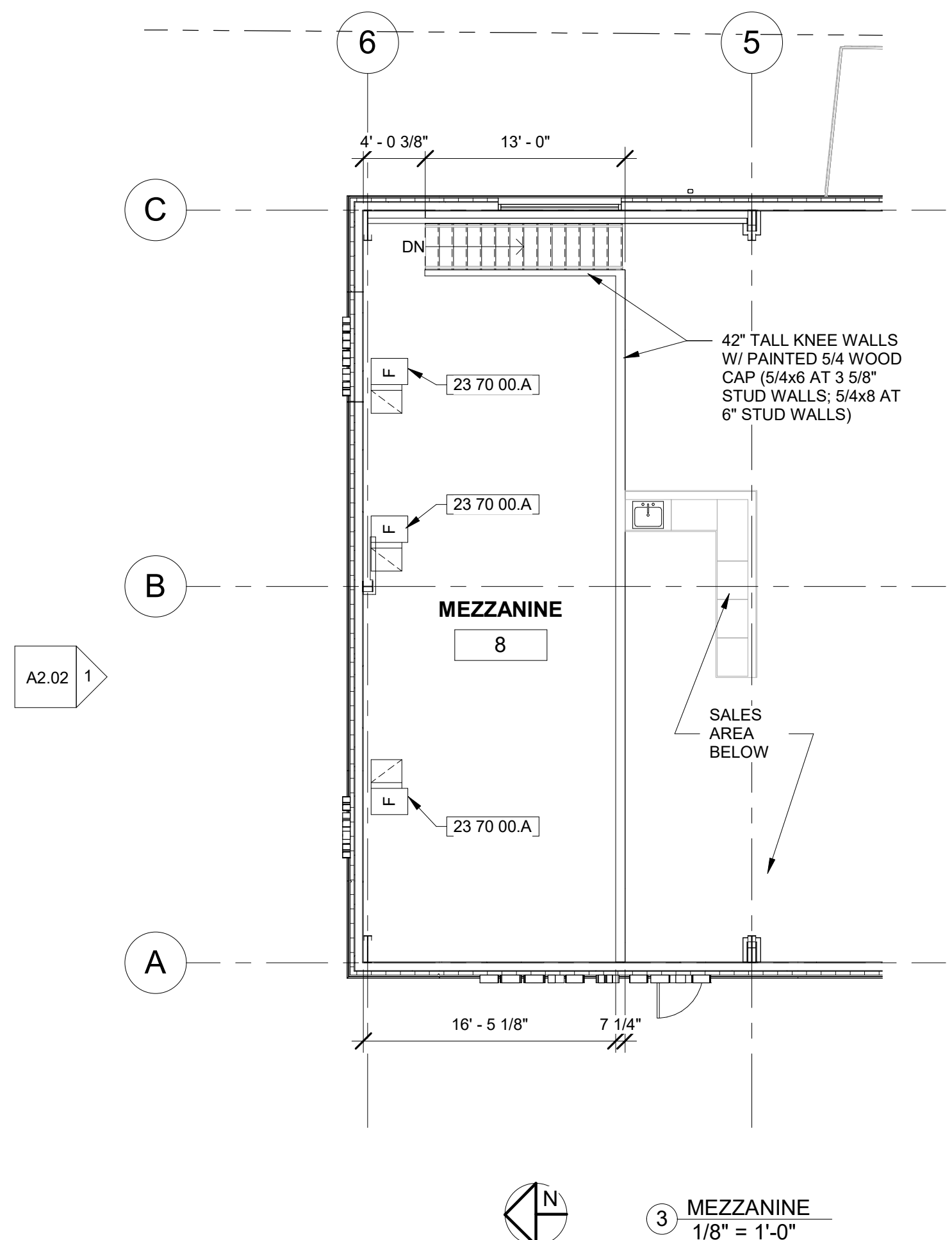
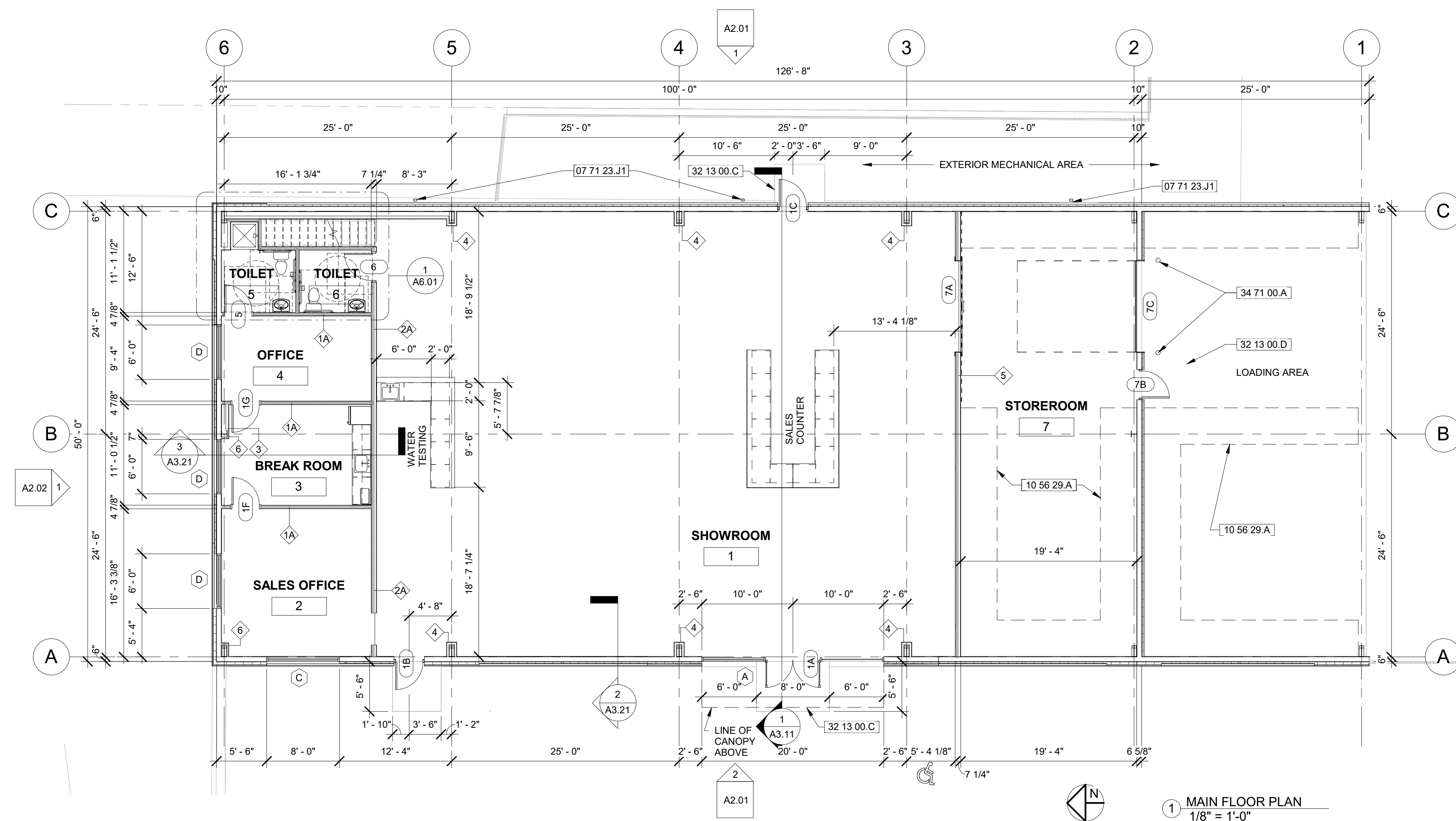
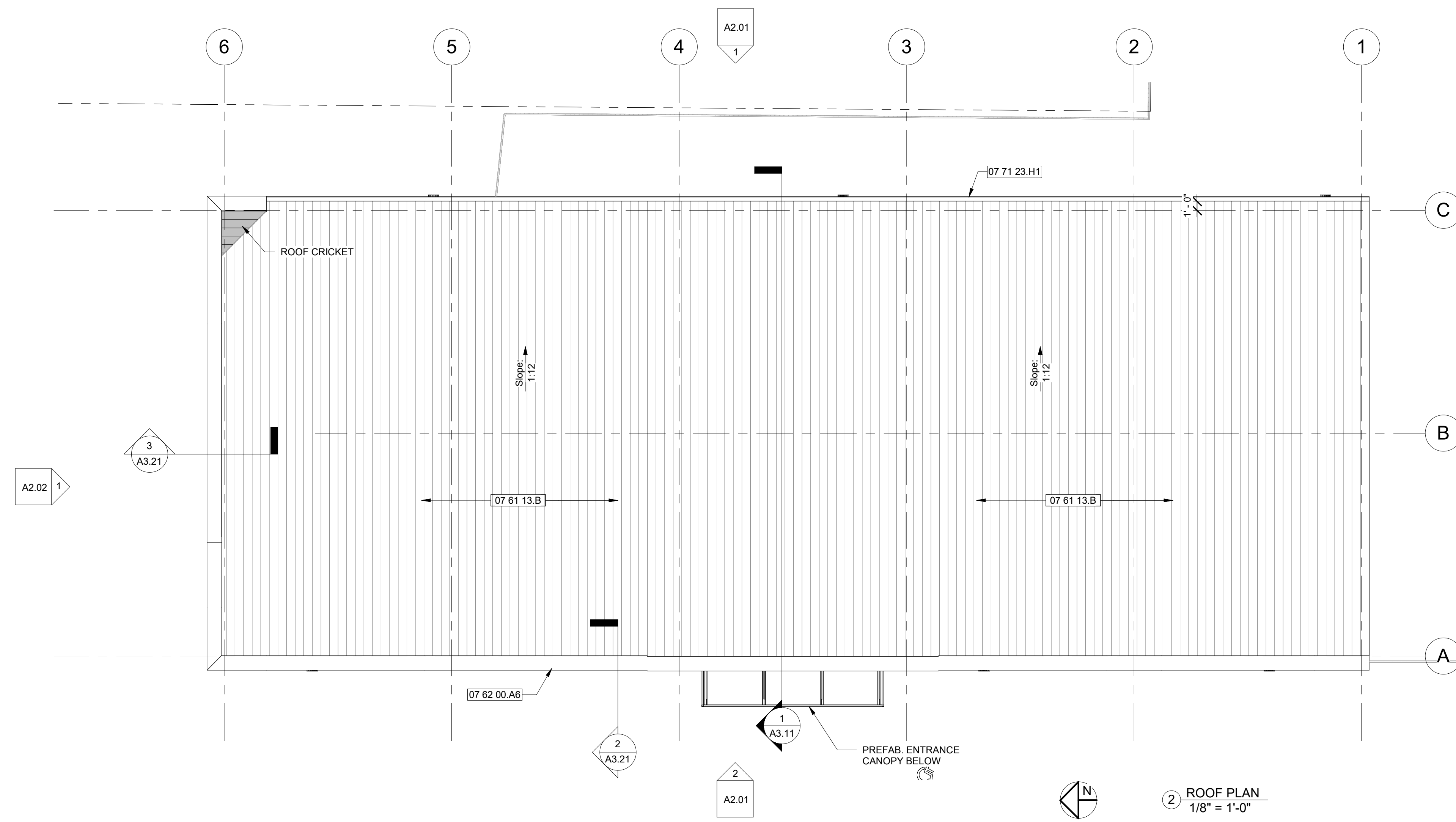
KEYNOTE LEGEND	
Key Value	Keynote Text
07 61 13.B	STANDING SEAM METAL ROOFING BY PEMB SUPPLIER
07 62 00.A6	PARAPET CAP FLASHING
07 71 23.H1	PREFIN. GUTTER BY PEMB SUPPLIER
07 71 23.J1	PREFIN. METAL DOWNSPOUT, 3"x4"
10 56 29.A	PRE-MFRD STORAGE RACKS
23 70 00.A	HVAC EQUIP.; RE: MECH. DWGS.
32 13 00.C	CONCRETE LANDING, RE: STRUCT. DWGS.
32 13 00.D	CONCRETE APRON, RE: STRUCT. DWGS.
34 71 00.A	CONCRETE FILLED STEEL BOLLARD, PTD.

**ROOF LEGEND**

-  STANDING SEAM METAL ROOFING
-  SINGLE PLY MEMBRANE ROOFING (INSIDE FACE OF PARAPET ONLY)
-  STANDING SEAM METAL ROOFING CRICKET

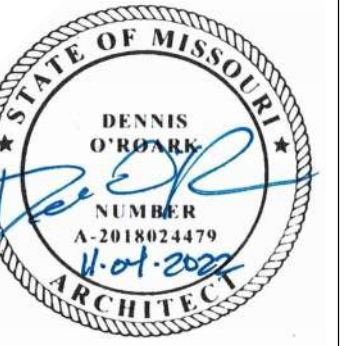
**FLOOR PLAN GENERAL NOTES**

1. DIMENSIONS SHOWN ARE TO FINISH FACE OR CENTER LINE, UNLESS NOTED OTHERWISE.
2. SEE SHEETS G1.00 A3.01 FOR LEGENDS AND SCHEDULES, INCLUDING WALL TYPES, FINISHES AND DOORS, ETC.



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LEE'S SUMMIT, MO 64081  
FINAL DEVELOPMENT PLAN

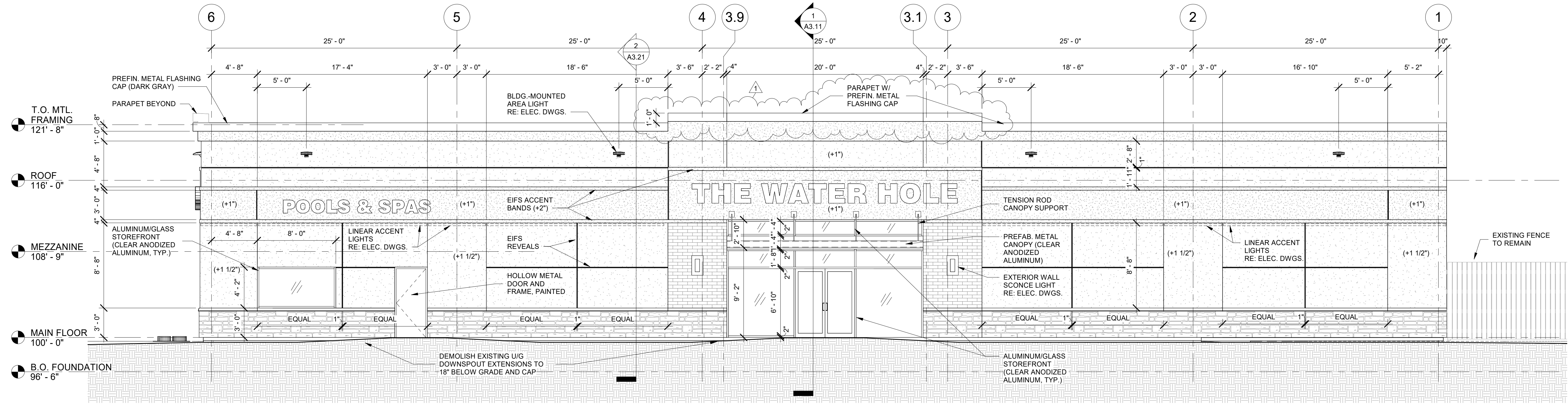
#	Description	Date



Date 11-04-2022  
Drawn by DO  
Checked by DO

**FLOOR PLANS & ROOF PLAN**

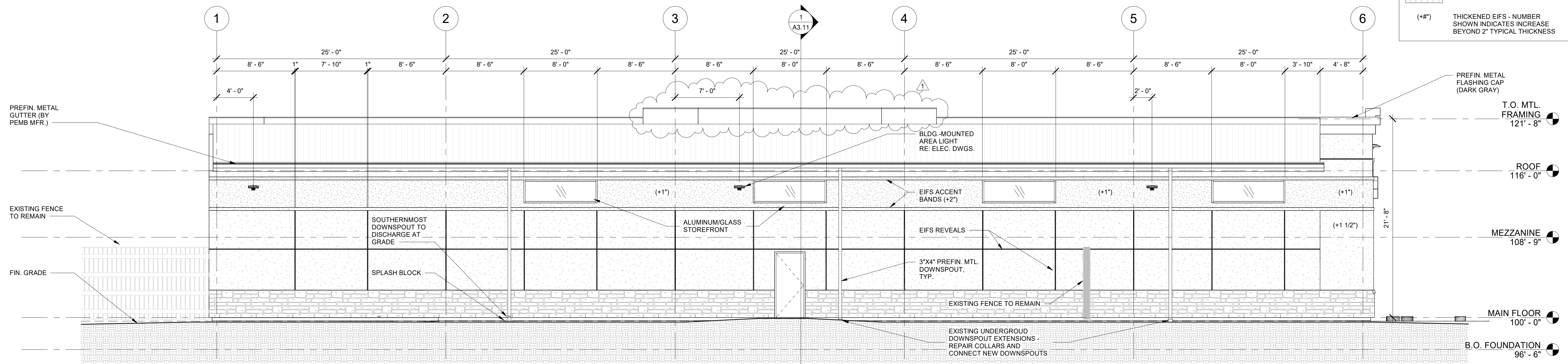
**A1.01**  
Scale 1/8" = 1'-0"



② WEST ELEVATION  
3/16" = 1'-0"

**EXTERIOR MATERIALS LEGEND**

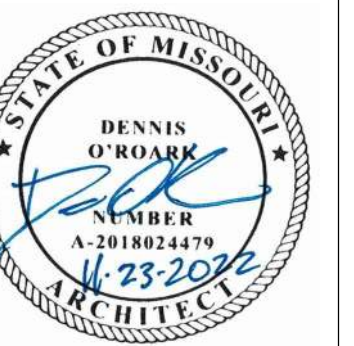
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- 
- (+#)** THICKENED EIFS - NUMBER SHOWN INDICATES INCREASE BEYOND 2" TYPICAL THICKNESS



① EAST ELEVATION  
3/16" = 1'-0"

**THE WATER HOLE REBUILD**  
401 SE OLDHAM PARKWAY  
LEE'S SUMMIT, MO 64081  
**CONSTRUCTION SET**

#	Description	Date
1	CITY COMMENTS	12/02/22

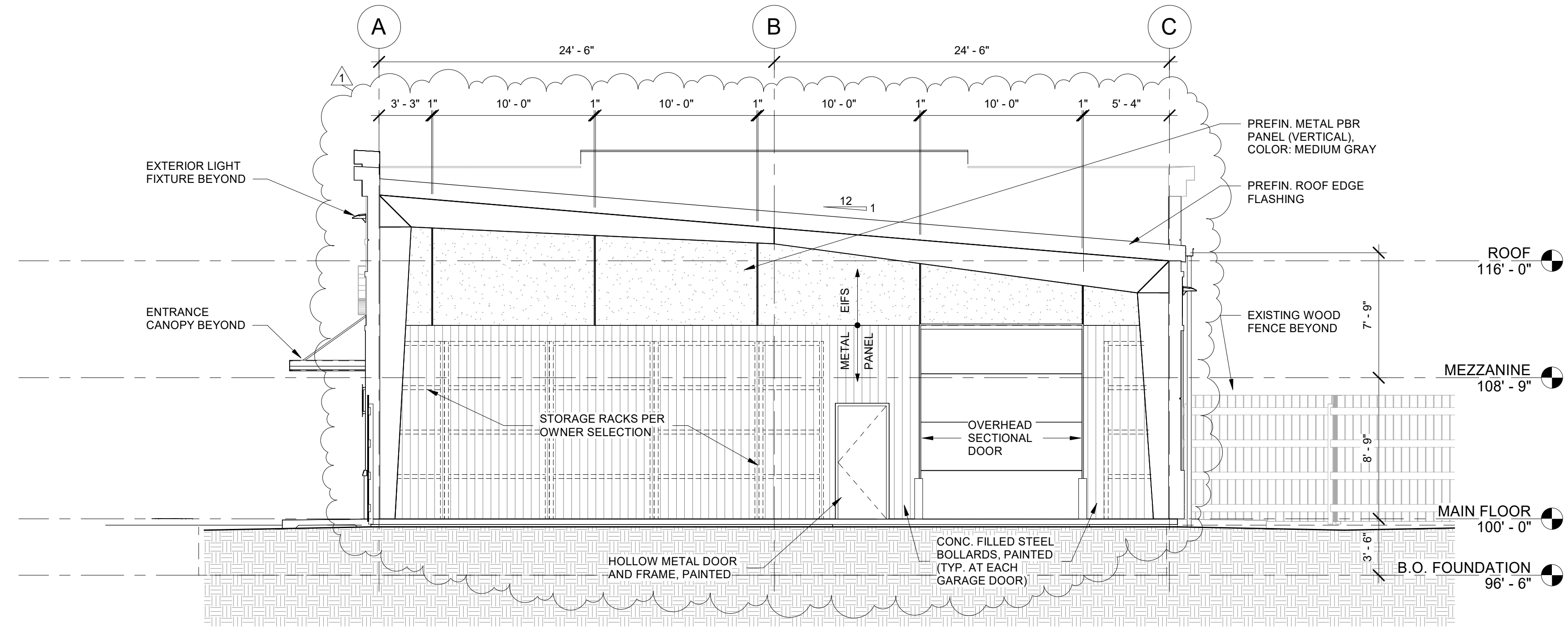


Date 11-07-2022  
Drawn by DO  
Checked by DO

EXTERIOR ELEVATIONS

A2.01

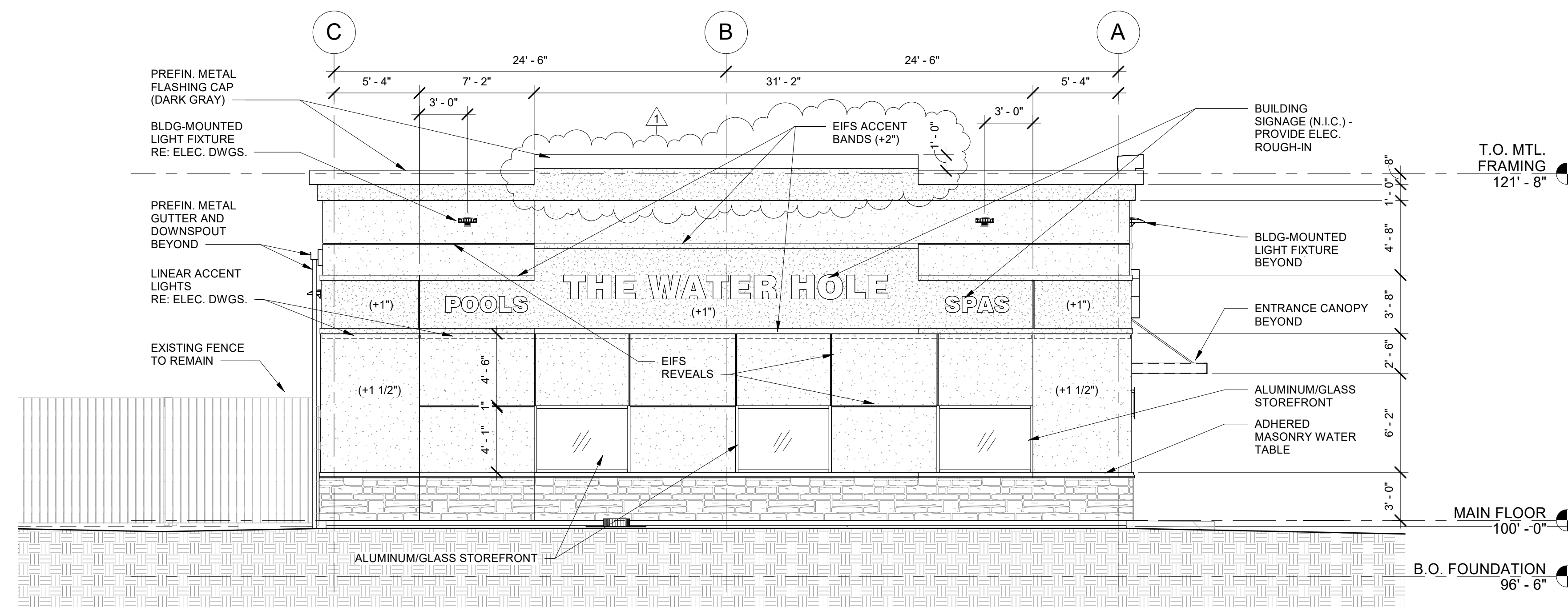
Scale As indicated



3 SOUTH ELEVATION  
3/16" = 1'-0"

**EXTERIOR MATERIALS LEGEND**

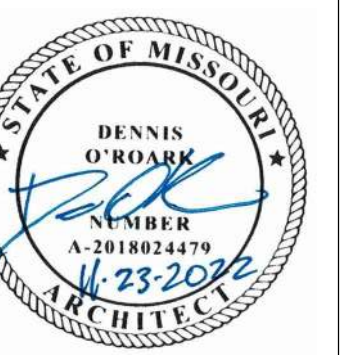
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1 NORTH ELEVATION  
3/16" = 1'-0"

**THE WATER HOLE REBUILD**  
401 SE OLDHAM PARKWAY  
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**CONSTRUCTION SET**

#	Description	Date
1	CITY COMMENTS	12/02/22



Date 11-07-2022  
Drawn by DO  
Checked by DO

EXTERIOR ELEVATIONS

A2.02

Scale As indicated

Project Name:	Feature Type:
Fixture Code:	Quantity:



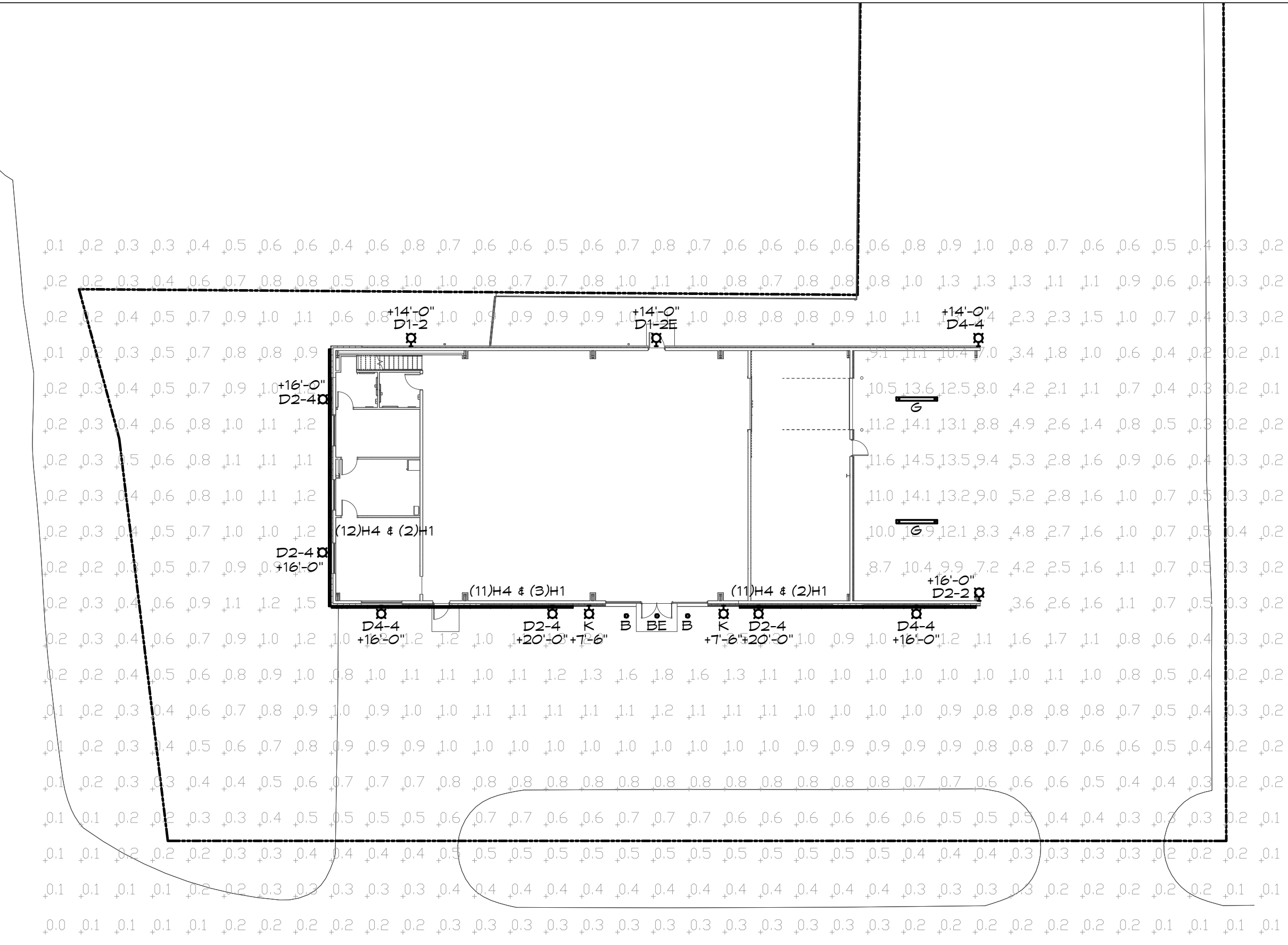
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 Nov 3, 2022 9:26 AM Page 1 of 6

## LIGHT FIXTURE SCHEDULE

MARK NO.	MANUFACTURER & CATALOG NUMBER	VOLTS WATTS	LIGHT SOURCE	DESCRIPTION
B	SIGNIFY 565-040-10-AL	120 15	LED-4000K 1000 LUMS	EXTERIOR RATED SQUARE SURFACE MOUNTED DOWNLIGHT, ALUMINUM FINISH - VERIFY WITH ARCHITECT PRIOR TO ORDERING.
BE	SIGNIFY 565-040-10-AL /V/ IOTA IIS-25	120 15	LED-4000K 1000 LUMS	SAME AS TYPE C EXCEPT WITH MICRO-INVERTER FOR EMERGENCY OPERATION. INSTALL INVERTER AT INTERIOR IN CONCEALED/ACCESSIBLE LOCATION.
D1-2	LITHONIA DSXW1-10C-350-40K-T2M-MVOLT-DNAXD	120 13	LED-4000K 1500 LUM	EXTERIOR RATED LED WALL MOUNTED FIXTURE WITH TYPE 2 DISTRIBUTION AND NATURAL ALUMINUM FINISH. MOUNT AT HEIGHT AS INDICATED ON PLANS. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. FINISH TO BE CONFIRMED BY OWNER/ARCHITECT.
D1-2E	LITHONIA DSXW1-10C-350-40K-T2M-MVOLT-EM20W-C-DNAXD	120 13	LED-4000K 1500 LUM	SAME AS TYPE D1-2E EXCEPT WITH MICRO-INVERTER FOR EMERGENCY OPERATION.
D2-2	LITHONIA DSXW1-10C-330-40K-T2M-MVOLT-DNAXD	120 11	LED-4000K 2000 LUM	EXTERIOR RATED LED WALL MOUNTED FIXTURE WITH TYPE 2 DISTRIBUTION AND NATURAL ALUMINUM FINISH. MOUNT AT HEIGHT AS INDICATED ON PLANS. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. FINISH TO BE CONFIRMED BY OWNER/ARCHITECT.
D2-4	LITHONIA DSXW1-10C-330-40K-TFTM-MVOLT-DNAXD	120 11	LED-4000K 2000 LUM	EXTERIOR RATED LED WALL MOUNTED FIXTURE WITH TYPE FORWARD THROU DISTRIBUTION AND NATURAL ALUMINUM FINISH. MOUNT AT HEIGHT AS INDICATED ON PLANS. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. FINISH TO BE CONFIRMED BY OWNER/ARCHITECT.
D4-4	LITHONIA DSXW1-10C-1000-40K-TFTM-MVOLT-DNAXD	120 34	LED-4000K 4000 LUM	EXTERIOR RATED LED WALL MOUNTED FIXTURE WITH TYPE FORWARD THROU DISTRIBUTION AND NATURAL ALUMINUM FINISH. MOUNT AT HEIGHT AS INDICATED ON PLANS. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. FINISH TO BE CONFIRMED BY OWNER/ARCHITECT.
G	LITHONIA FEM-L96-18000LM-MAFL-KAD-MVOLT-6210-40K-80CRI-MALF-STSL	120 103	LED 4000K 7800 LUM	8' CEILING MOUNTED, ENCLOSED AND GASKETED FIBERGLASS INDUSTRIAL LED FIXTURE WITH STAINLESS STEEL MOUNTING BRACKETS. FIXTURE TO BE SURFACE MOUNTED TO CEILING STRUCTURE.
H1	SSL LIGHTING CLINET-1-RGBW-15W-10-CLNFA-XXX	120 15	LED RGBW 605 LUMS	1'-0" LINE VOLTAGE WALL MOUNTED LINEAR RGBW WALL GRAZING FIXTURE WITH ADJUSTABLE ARM AND 10°X10° BEAM SPREAD. PROVIDE ADDITIONAL COMPATIBLE COMPONENTS FOR COMPLETE SYSTEM. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION.
H4	SSL LIGHTING CLINET-4-RGBW-15W-10-CLNFA-XXX	120 54	LED RGBW 2420	SAME AS TYPE H1 EXCEPT FOR 4'-0" LENGTH.
K	BETACALCO FRAMED 130020-40-DB-F20-MS	120 28	LED 1408 LUMS	LED WALL SOURCE TO BE MOUNTED AT +7'-6" VERIFY EXACT LOCATION WITH ARCHITECTURAL ELEVATION. FINISH TO BE CONFIRMED BY OWNER/ARCHITECT.

NOTES:  
 1. All luminaires shall be installed in accordance with the manufacturer's instructions.  
 2. Verify all mounting hardware and electrical requirements with the manufacturer.  
 3. All wiring shall be done in accordance with the National Electrical Code (NEC) and local codes.  
 4. All fixtures shall be tested and certified in accordance with the manufacturer's specifications.

SE OLDHAM PARKWAY



SE BROWNING STREET

## SITE PHOTOMETRIC PLAN

SCALE: 1"=20'  
 NORTH

STATISTICS					
Description	Avg	Max	Min	Max/Min	Avg/Min
Parking Area	1.0	3.6	0.3	12.0/1	3.3/1

**LIGHTOLIER** by @ignify

**Downlighting**  
 SlimSurface LED  
 545 & 565 Square 4" & 6" Apertures

SlimSurface is a 5/8" thick LED surface mounted luminaire with the appearance of a recessed downlight. Easy to install into most standard J-boxes, the SlimSurface LED square apertures are available as 4" 650lm & 6" 1000lm fixture.

**Ordering guide**

Series	Size	Color	CCY	Lumens	Finish	Dimming
545SlimSurface	4" Square	9 80	27K 2700K 30K 3000K 39K 3900K 40K 4000K	7 650lm	Blank White AL Aluminum BK Black	Blank ELV / Triac (20V)
565SlimSurface	6" Square	9 80	27K 2700K 30K 3000K 39K 3900K 40K 4000K	10 1000lm	Blank White AL Aluminum BK Black	Blank ELV / Triac (20V)

**Features**

- Flange: One piece plastic flange. Injection molded white, anodized aluminum or black.
- Lens: High transmittance lens allowing for smooth, comfortable light pattern.
- Power supply: Integral Class 2 driver. Factory wired electronic LED driver. See Electrical section for specifications.
- LED Strip: UltraS LED.
- Lifetime: Expected lifetime 50,000 hours and backed by a 5-year warranty. See Philips.com/warranties for details.
- Compliance: Non-conductive fixture for shower light application.

**Electrical**

Electronic power supply: RoHS compliant. Class 2 power unit. Load tolerance sustained open circuit and short circuit conditions without damage.

Dimming: Intended for ELV/Triac (20V) or 0-10V dimming (20V-27V) based on the configuration. Min 90% supply conductors.

**Labels**

ULus listed. Wall mounted. damp location only. Ceiling-mounted wet location. Type 2, ULAR 2016 as per IEC 60598-2-15. ENERGY STAR® certified.

**D-Series Size 1 LED Wall Luminaire**

Category Number: \_\_\_\_\_  
 Notes: \_\_\_\_\_  
 Type: \_\_\_\_\_

**Specifications**

**Luminaire**  
 Width: 13.314" (343mm)  
 Depth: 2.125" (54mm)  
 Height: 6.318" (162mm)

**Back Box (BBW, E20WC)**  
 Width: 13.314" (343mm)  
 Depth: 4" (102mm)  
 Height: 6.318" (162mm)

**Introduction**

The D-Series Wall Luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance. With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

**Ordering Information**

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0

Series	LEDs	Color/CCT	Color Temperature	Beam Spread	Mounting	Control Option
DSXW1 LED	10C	350 3500K	30K 3000K	125 Type 1 Spot	MM01*	Blank
	20C	300 3000K	40K 4000K	120 Type 1 Medium	MM02*	Blank
	30C	300 3000K	50K 5000K	120 Type 1 Spot	MM03*	Blank
	40C	300 3000K	60K 6000K	120 Type 1 Medium	MM04*	Blank
	50C	300 3000K	70K 7000K	120 Type 1 Spot	MM05*	Blank
	60C	300 3000K	80K 8000K	120 Type 1 Medium	MM06*	Blank
	70C	300 3000K	90K 9000K	120 Type 1 Spot	MM07*	Blank
	80C	300 3000K	100K 10000K	120 Type 1 Medium	MM08*	Blank

**Accessories**

Accessories	Notes
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	1. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	2. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	3. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	4. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	5. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	6. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	7. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	8. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	9. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	10. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	11. See LED Selection Guide for details.
DSXW1 LED 20C 1000 40K T3M MVOLT DB8TX0	12. See LED Selection Guide for details.

**LITHONIA LIGHTING**

Category Number: \_\_\_\_\_  
 Notes: \_\_\_\_\_  
 Type: \_\_\_\_\_

**FEATURES & SPECIFICATIONS**

**INTENDED USE** — A general purpose and energy efficient surface-mounted or suspended LED fixture, suitable for wet, damp and/or outdoor locations. It is designed for demanding environments where moisture or dirt is a concern and where ceiling height mounting heights and ceiling fixture spacing are common. Not for use or installation in direct outdoor sunlight. Must be installed under canopy or covered eaves. For direct sunlight installations, please refer to the LED product family. Special applications include industrial facilities, parking garages, retail malls, multi-purpose rooms, gymnasiums, and food processing. Certain airborne contaminants can damage the integrity of acrylic and polycarbonate lenses. Click here for Acrylic/Polycarbonate Compatibility table for suitable uses.

**Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components. Depending on various factors such as concentration of the contaminants, ventilation, and temperature at the end user location, click here for a list of substances that may not be suitable for installation with LEDs and other electronic components.**

**CONSTRUCTION** — One-piece 5/8" fiberglass housing with integral polyester channel utilizing continuous powder-coat aluminum flange. Approved for through wiring. Capable of mounting to a variety of surfaces. Stainless steel finish (S170) available as an option for food processing or more demanding applications. Power connection is easily accomplished through pre-drilled holes.

**OPTICS** — Injection molded, acrylic lens (200° beam) provides high impact resistance comparable to 100% PS. 10' rated optical beam spread. Effort is available (DLC) back to clear or frosted for additional impact strength where needed protection is desired.

**ELECTRICAL** — 100lm high efficiency LEDs mounted in one circuit boards. High efficiency drivers operate 50,000 hours and 144,000 hours (DLC) rated with 3-year warranty. High efficiency drivers operate 50,000 hours and 144,000 hours (DLC) rated with 3-year warranty. High efficiency drivers operate 50,000 hours and 144,000 hours (DLC) rated with 3-year warranty. High efficiency drivers operate 50,000 hours and 144,000 hours (DLC) rated with 3-year warranty.

**Stock configurations are offered for shorter lead times:**

Standard Part Number	Stock Part Number
FEM LED 18000LM MAFL-KAD-MVOLT-6210-40K-80CRI-MALF-STSL	FEM LED 18000LM MAFL-KAD-MVOLT-6210-40K-80CRI-MALF-STSL
FEM LED 18000LM MAFL-KAD-MVOLT-6210-40K-80CRI-MALF-STSL	FEM LED 18000LM MAFL-KAD-MVOLT-6210-40K-80CRI-MALF-STSL

**SSO SOLID STATE LUMINAIRES**

Category Number: \_\_\_\_\_  
 Notes: \_\_\_\_\_  
 Type: \_\_\_\_\_

**COLOURLINE WET Exterior RGBW Fixture**

**PHYSICAL**

Specification	Value
beam spread	8° 10° 10°x30° 10°x40° 11°x30° 20°x40° 30°x40° 40°x40° 40°x40° 40°x40° 40°x40° 40°x40°
LEDs	12 per foot - 10 red, 10 blue, 20 white, 20 white
weight	1 foot (2.8 lbs) 4 foot (10.4 lbs)
housing	anodized marine grade, extruded aluminum housing, die cast end caps sealed with bonded silicone gaskets; stainless steel fasteners
lens	tempered glass - R07 Rating
mounting	extruded aluminum and stainless steel surface mount brackets; standard provides 80° of tilt, optional 180° tilt bracket available
gress production	dry, damp or wet locations (P68 rated - connectors P68 waterproof)
vibration resistance	compliant with 30 ANSI C136.31 for bridge and roadway applications
fixture connections	dry chain with male and female twist and lock 5-PIN, P68 rated connectors

**PERFORMANCE**

Specification	Value
lumen output [all on]	605 lm per foot (15W) / 246 lm per foot (8W) @ 100% all colors
lumen maintenance	> 70,000 hours / L70 or better
operating temperature	-48°F to 104°F (-45°C to 40°C)
protocols	DMX 512, TRIAC, ANSI E1.20
ColourQuick (CQ)	provides uniform beam illumination 3" from fixture surface (1.5" on center from vertical surface)
ColourCue (CC)	manufacturing process uses robotic systems to provide 1/1000" line consistency between luminaires by calibrating every fixture to the same exact X, Y, chromaticity coordinates
ColourSoft (CS)	embedded firmware enables 16-bit resolution using only 8-bits of data to enhance the low flicker at the slowest transition speeds
ColourMode (CM)	RGBW and Tunable White in one fixture using 4 DMX channels. Channels 1-4 - RGBW Channels 5-8 - Tunable White channel 5 = Intensity and channel 6 = CCT. Tunable White mode must use the same 5-8 as one unit.
warranty	5-year limited warranty (refer to website for details)

**ELECTRICAL**

Specification	Value
input voltage	Universal 120-277V AC
power supply	Integral Class II, electronic high-power factor 99% @ 120V
certification	SSL ColourSelect   3rd party DMX 512, IEC standard based control system
controls	ETL, cETL, FCC Part 15
standards	UL-Class 1
power consumption	15W @ 120V / 11 (54W @ 120V / 4R)   8W @ 120V / 11 (28W @ 120V / 4R)

**Capable Luminaire**

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency.
- This luminaire is part of an A+ certified solution for 'right' control networks made by a 'trusted' background.
- For more about A+, visit [www.acuitybrands.com/a+](http://www.acuitybrands.com/a+).
- \*See ordering level for details.

**DESIGN LAB** architectural solutions

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 Prairie Village, KS 66208  
 Ph: 913-461-4325

**ARCHITECT**

11/4/2022

BRETT M HERMANN  
 LICENSED ARCHITECT  
 NUMBER PE-20180-5615

**THE WATER HOLE REBUILD**

401 SE OLDHAM PARKWAY  
 LEE'S SUMMIT, MO 64081

**FINAL DEVELOPMENT PLAN**

#	Description	Date

Date: 11-04-2022  
 Drawn by: BH  
 Checked by: DS

**SITE PHOTOMETRIC PLAN PH1.00**

Scale: As indicated

**BC ENGINEERS INCORPORATED**

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