PEAK RUNOFF RATE OF PROPOSED SITE BY DRAINAGE AREA

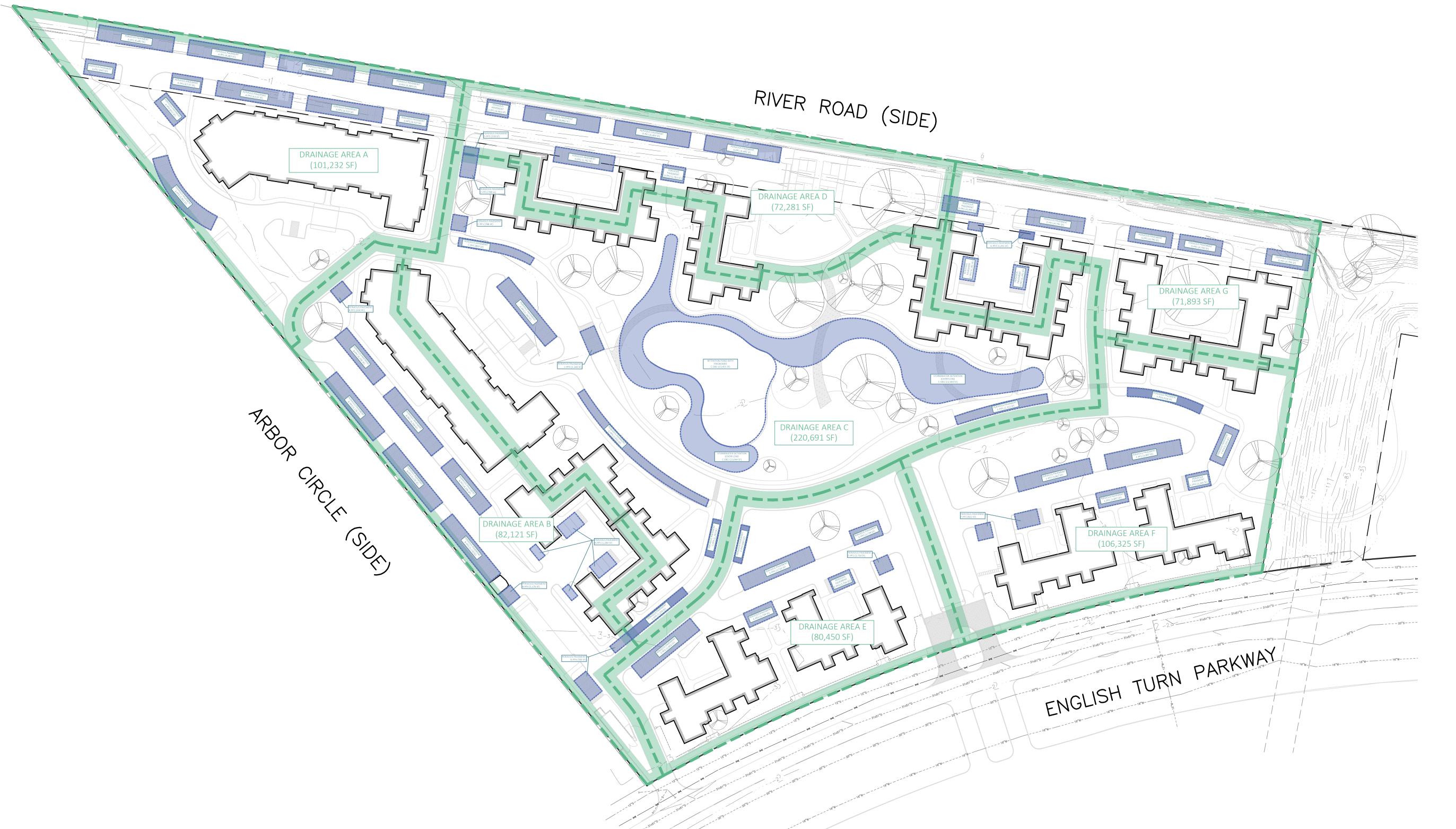
# STORAGE VOLUMES BY DRAINAGE AREA

ence	
-1802	
-1293	
34357	SCALE: 1'=200' (12X18)
-2349	SCALE: 1'=100' (24X36)
-4813	JCALL: 1 -100 (24/JU)

SCALE: 1'=200' (12X18) SCALE: 1'=100' (24X36)

	$\rho$
Difference	
-1802	
-1293	
34357	SCALE: 1'=20
-2349	SCALE: 1'=10
-4813	36, (22. 1 1
-6802	
-3737	

Drainage Area	Total Area (sf)			over Types		Drainage Area	Total Area (sf)	Weighted Coefficient	Rainfall Intensity (10-yr,	Rainfall Volume (CNO Req 1.25")	Peak Runoff Rate (cfs)	<i>SWM Totals</i> Drainage Area A	Required Storage Vol. (cf) 10,545	Provided Storage Vol. (cf) 8,743	Net Difference -1802	
		Roof (Mixed-use)	Impervious Pavement	Pervious Parking Stalls	Planting, Landscape, Bioswales	•	101 222	0.50	24-hr)	0.4040		Drainage Area B	8,554	7,262	-1293	
Α	101,232	24,691	26,964	14,834	34,743	Α	101,232	0.52	7.8	0.1042	9.43	_		·		
В	82,121	20,735	23,682	11,938	25,766	В	82,121	0.65	7.8	0.1042	9.56	Drainage Area C	22,989	57,345		
C	220,691	30,327	29,456			C	220,691	0.50	7.8	0.1042	19.76	Drainage Area D	7,529	5,180	-2349	
C						C						Drainage Area E	8,380	3,567	-4813	
U	72,281	7,294	10,432	6,867		D	72,281	0.48	7.8	0.1042	6.21	Drainage Area F	11,076	4,274	-6802	
E	80,450	14,803	9,715	6,480	49,453	F	80,450	0.52	7.8	0.1042	7.49	Drainage Area G	7,489	3,752	-3737	
F	106,325	18,012	20,576	9,247	58,490	_						51411146671164	,, 183	3,7.32	3,3,	
G	71,893	14,919	17,477	8,115	31,382	r	106,325	0.55	7.8	0.1042	10.47	TOTALC	76.563	00 122	12561	
						G	71,893	0.60	7.8	0.1042	7.72	TOTALS	76,562	90,123	13561	
											•					



CHECKED BY: BATTURE

DATE: AUGUST 3, 2022

DAC SUBMITTAL

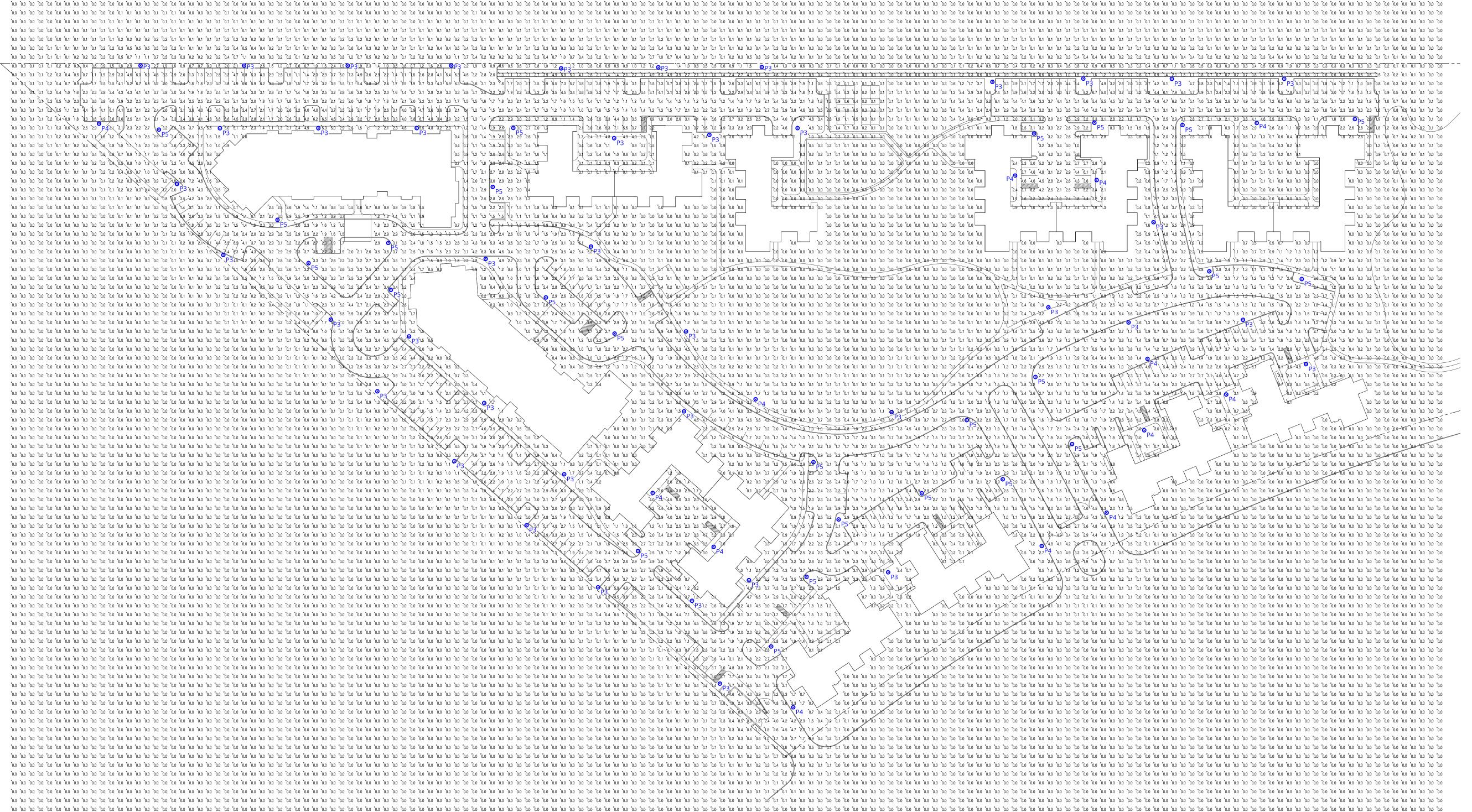
Robert J. Mora, PE, PLS Professional Land Surveyor Reg No. 5042 May 2010

PRELIM SWM PLAN

SWO

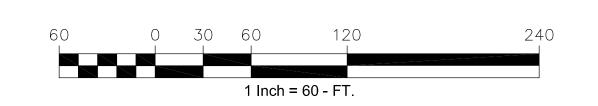
Drawn By: JM
ISSUE: DATE
PRELIM SUBMITTAL 08/03/2022

ES1.1



Luminaire Schedule								
Symbol	Label	Qty	Mounting Height	LLF	Lum. Lumens	Lum. Watts	Description	
<u> </u>	P3	41	@ 18' - 0" AFG	0.900	16435	140	UR20-56L-140-4K7-3-PT	
<u> </u>	P4	13	@ 18' - 0" AFG	0.900	16537	140	UR20-56L-140-4K7-4W-PT	
<u> </u>	P5	25	@ 18' - 0" AFG	0.900	17321	140	UR20-56L-140-4K7-5W-PT	

Calculation Summary	ı						
<b>-</b>							<b>-</b>
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Overall Area	Illuminance	Fc	0.78	11.9	0.0	N.A.	N.A.
Paved Area	Illuminance	Fc	2.84	7.8	0.8	3.55	9.75





ARCHITECTURAL AREA/SITE

DATE: 8/3/22 LOCATION:

TYPE: P3, P4, P5 | PROJECT: English Turn Development

CATALOG #:

## **FEATURES**

- 20" size in single/dual arm post top, pole and wall mount
- High performance optics up to 16,874 delivered lumens
- · Elegant form factor
- Diffusion lens option
- SiteSync™ wireless control options
- UL/cUL listed for wet locations, IP66 and 4G/1.5G vibration rated











**CONTROL TECHNOLOGY** 



# **SPECIFICATIONS**

### CONSTRUCTION

- Low copper aluminum alloy die-casting is designed as one-piece.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- · All external fasteners are stainless steel.
- Cover is secured to Lens frame by the latch and hinge.

### **OPTICS**

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.
- Optional fixture finish optical surfaces will not exceed BUG ratings of the standard white finish

# LENS

- Standard lens (CLR) IK08
- Clear Polycarbonate Lens (CP) IK10

### INSTALLATION

Page 1/13 Rev. 02/11/22

UR20 Post Top

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

<sup>1</sup>Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details

### **ELECTRICAL** • Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed.

- High voltage configurations, 347/480. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories listed.
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- · Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Surge protection: 10,000k in parallel, 20,000k in series
- Wiring: No. 18AWM rated 105°C, wet rating.

# Ouro Post Top

**RELATED PRODUCTS** 

Ouro Small Arm Mount

8 Ouro Large



### CONTROLS

• Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:

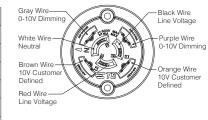
- Traditional on/off photoelectric control.
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use.



7-Pin receptacle placement

(Specifications continued on page 3)

KEY DATA					
Lumen Range	2694 – 16874				
Wattage Range	25 – 150				
Efficacy Range (LPW)	95 – 133				
Reported Life (Hours)	L70/>60,000				
Weight	35 lbs – 15.8 Kg				
EPA	0.608				



(Specifications continued on page 3)









DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

### **ORDERING GUIDE**

Example: UR20-24L-25-3K8-3-L-UNV-FMSA33-BLT-7PR-BC-SWTAB

### HOUSING

CATALOG #

UR20				
Model LED Engine	CCT/CRI	Distribution	Rotation	Voltage
UR20 Ouro No Lens or Clear Lens 24L-25 3,000 lm 24L-65 7,000 lm 56L-75 10,000 lm 56L-110 15,000 lm 56L-140 17,000 lm HDL - High Diffusion L 28L-30 3,000 lm 28L-70 7,000 lm 68L-80 9,000 lm 68L-115 13,000 lm 68L-150 15,000 lm	AM 11 Amber, 595nm 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 35K8 3500K, 80 CRI 3K9 3000K, 90 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 5K7 5000K, 70 CRI Consult factory for other CCTs and CRIs	Ro Lens or Clear Lens FR Type 1/Front Row Type II Type II Type IV Type IV Type IV Wide Type V Square Medium Type V Square Narrow Type V Rotangular Type V Wide (Round) HDL - High Diffusion Lens Type V/Symmetric Type V/Symmetric	(Blank) Blank for no rotation  L¹ Optic rotation left  R¹ Optic rotation right	UNV 120-277V 347 347V 480 480V DALI 120-277V Consult factory

_									
Mounting		Fixture	Finish	Control Options		Options		Control Acce	ssories
M33	Flush mt 3.0" OD pole, 3" fixture base	BLS BLT	Black Gloss Smooth Black Matte Textured	7PR-TL	7 pin PCR with twist lock photocontrol	BC 6	Back-light Control	SW7PR <sup>2,3</sup>	SiteSync™ with 7 p PCR
M44	Flush mt 3.6" to 4.0" OD pole, 4" fixture base	DBS	Dark Bronze Gloss Smooth	7PR-SC 7PR	7 pin PCR with shorting cap 7 pin PCR, wireless control enabled	SF DF	Single Fuse Double Fuse	SWUSB	SiteSync™ Softwar on USB
T23	3" Post Top mount for 2 3/8" OD x 4" Long Tenon	DBT	Dark Bronze Matte Textured	AD-01 <sup>2</sup>	AstroDIM: 50% output at midnight	CLR <sup>5,6,13</sup> TPL	Clear Lens Tamper proof	SWTAB, 10	SiteSync™ Window Tablet
T24	Tenon 4" Post Top mount for	GTT	Graphite Matte Textured	AD-01 <sup>2</sup> AD-02 <sup>2</sup>	AstroDIM: 50% output midnight to	CP 5, 6, 12	latch Clear	SWBRG	SiteSync™ Wireles Bridge Node
	2 3/8" OD T x 4" Long Tenon	LGS	Light Grey Gloss Smooth	AD-03 <sup>2</sup>	4 AM AstroDIM: 50% output 10PM		Polycarbonate Lens	WIR-RME-L	wiSCAPE Externa Fixture Module
T34	4" Post Top mount for 2 7/8" OD x 4" Long Tenon	LGT	Light Grey Matte Textured	AD-04 <sup>2</sup>	AstroDIM: 50% output 10PM to 4AM	WBFM3	Wall Bracket Arm for FM33	SCH-R	Occ. Sensor for Round Pole
MSA33	Tenon Solo Arm Post Top Flush Mount 3.0" OD Pole, 3"	PSS	Platinum Silver Gloss Smooth	NXWE <sup>15</sup> SWP <sup>2,3,4,15</sup>	NX Wireless Enabled SiteSync Pre commission	WBFM4	or FMSA33 Wall Bracket	SCH-S	(up to 30' MH) Occ. Sensor for Square Pole
MSA44	fixture base Solo Arm Post Top Flush	VGT	Verde Green Matte Textured	SWPM-40F <sup>2,3,4,5,15</sup>	SiteSync with Sensor 9' to 40' MH	TA FAAO 14 16	Arm for FM44 or FMSA44	NXOFM-	(up to 30' MH) NX 7-pin Module
	Mount 3.6" to 4.0" OD Pole, 4" fixture base	WHS WHT	White Gloss Smooth White Matte Textured	WSP-40F-1 <sup>2,5</sup>	Dimming Occ. Sensor for up to 40' MH, 120/277/347V	TAFM3 14, 16	Twin Arm mount for FM33 or	1R1D-UNV	1474 7-pii i Woddie
TSA23	3" Solo Arm Post Top Mount for 2-3/8" OD x 4"		Option	WSP-40F-2 <sup>2,5</sup>	Dimming Occ. Sensor for up to 40' MH, 208/240V	TAFM4 14, 16	FMSA33 Twin Arm		
TSA24	Long Tenon 4" Solo Arm Post Top	CC 7	Custom Color	WSP-40F-3 <sup>2,5</sup>	Dimming Occ. Sensor for up to 40' MH, 480V	IAIMT	mount for FM44 or		
	Mount for 2-3/8" OD x 4" Long Tenon			NXSPW14F <sup>2,5,15</sup>	NX Wireless, PIR Sensor, 14'		FMSA44		
TSA34	4" Solo Arm Post Top Mount for 2-7/8" OD x 4" Long Tenon			NXSPW30F <sup>2,5,15</sup>	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'.				
	Long lenon			NXSP14F <sup>2,5</sup>	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'				
				NXSP30F <sup>2,5</sup>	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'				

- Not available with 5QM, 5QN, and 5W distributions. Not available with other sensor or wireless control options. Specify group and zone at time of order. See Specify group and zone at time of order. See
   www.hubbellijlothing.com/sitesync for more details. Order at least
   one SiteSync interface accessory SWUSB or SWTAB. Each option
   contains SiteSync\* License, GUI, and Bridge Node.

   Not available with 347V and 480V.

   Not available with 47V and 480V.

   Not available with HDL option.

   Consult factory for custom color, marine and corrosive finish

- options. 8 Turtle Friendly.

- Please see Delivered Lumens chart on Page 5 for lumen Microsoft, Encarta, MSN, and Windows are either registered
- trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Not available with 24L-65 and the 56L-140 configuration of the
- 11 Not available with 24L-55 and the 56L-140 configure LED Engine
  12 IK10 rated. Consult factory for details
  13 IK08 rated. Consult factory for details
  14 Pole requires 2-3/8" x 4" Long tenon
  15 Not available with Solo Arm Post Top (FMSA/PTSA)
  16 Order one for each pair of fixtures per pole.





# **UR20**

ARCHITECTURAL AREA/SITE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

### **SPECIFICATIONS (CONTINUED)**

### CONTROLS (CONTINUED)

### DIMMING:

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- · Optional factory programmed dimming profile.

	Standard Input Black (L)
/	White(N)
6	Green (GND)
Fixture	Gray Dimming Lead (-) Purple Dimming Lead (+) ← 1 mA Max

### WIRELESS CONTROLS WISCAPE™

 Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

• wiSCAPE External Module,120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

### SITESYNC™

 SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www.hubbelllighting.com/products/sitesync for more details.

### NX DISTRIBUTED INTELIGENCE™

 Hubbell Control Solutions' NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of reliability, scalability and simplicity

### POLE MOUNTED

### ROUND POLE-MOUNTED OCCUPANCY

• Sensor up to 30'. Select voltage and finish

### SCH-R

- Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.
- Ordering Example: SCH-R44/2772/BL3

### SQUARE POLE-MOUNTED OCCUPANCY

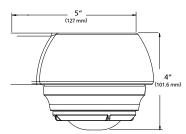
Sensor up to 30'. Select voltage and finish color.

- · Square Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation
- Ordering Example: SCH-S/277<sup>2</sup>/BL<sup>3</sup>

### ASTRODIM

instructions.

 AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.



### OPTIONAL FUSING:

• SF for 120, 277, and 347 Line volts

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

### CERTIFICATIONS AND LISTINGS

- · Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient
- ANSI C136.31-2010 Vibration tested and compliant 1.5G and 4G reference page 4
- IEC 66262 Mechanical Impact Code IK08.
- IDA approved, 3000K and warmer CCTs only
- IP66 rated
- · RoHS compliant
- · This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. See Buy American Solutions

### WARRANTY

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

PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional inform will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location. Group information, and Operating schedules. For more detailed information please visit www.HubbellLighting.com/products/sitesync\_or contact Hubbell Lighting tech support at (800) 345-4928

Examples: PA7R/FT/NU3/12L-020-3K7/42A/BLS/SWP/UNV/LR

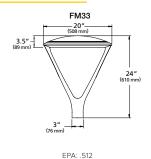
# **UR20**

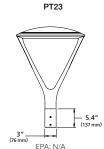
ARCHITECTURAL AREA/SITE

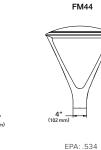
**KIM**LIGHTING

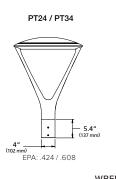
TYPE: PROJECT:	

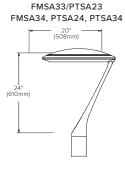
# **DIMENSIONS**

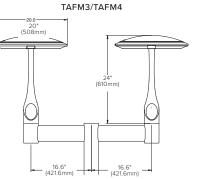






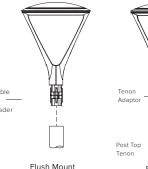




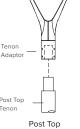




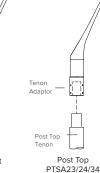
### MOUNTING INSTALLATION



FM33/44



PT23/24/34



Flush Mount FMSA33/34

WSP-40F

NXWE MOUNTING VIBRATION RATINGS

SENSOR PLACEMENT

UR 20	Arm	UR28	Arm	UR 20 P	ost Top	UR 28 P	ost Top	UR 20 S	olo Arm
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G	FMSA33	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G	FMSA34	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G	PTSA23	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G	PTSA24	1.5G
				PT34	1.5G	PT25	1.5G	PTSA34	1.5G



Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Level 1 Bridge/Overpass Applications



UR20 Post Top

SWP



**ROOF LEGEND** 

**GENERAL NOTES** 

2. FIRST FLOOR MAILBOXES SHALL BE PROVIDED & INSTALLED WITHIN

COLUMN & COLUMN TRIM, FASCIA BOARDS, RAKE TRIM, & CORNER

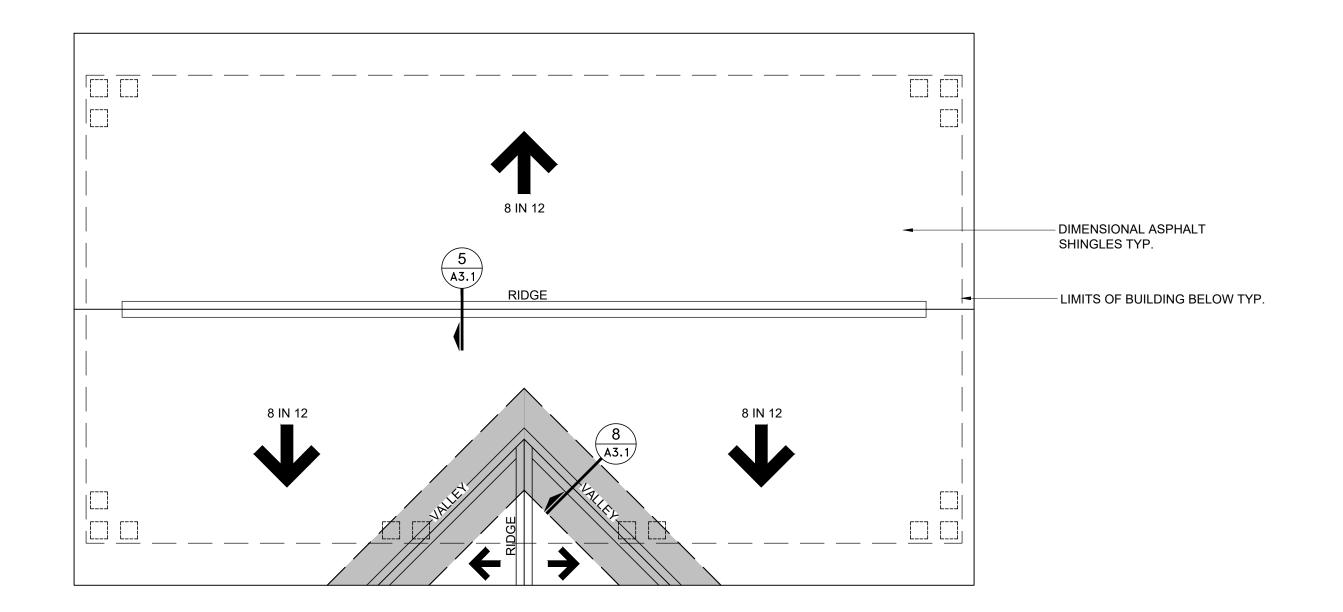
THE REACH RANGES OF HANDICAPPED ACCESSIBILITY.

3. ALL WINDOW/DOOR TRIM, DECORATIVE TRIM, FRIEZE BOARDS,

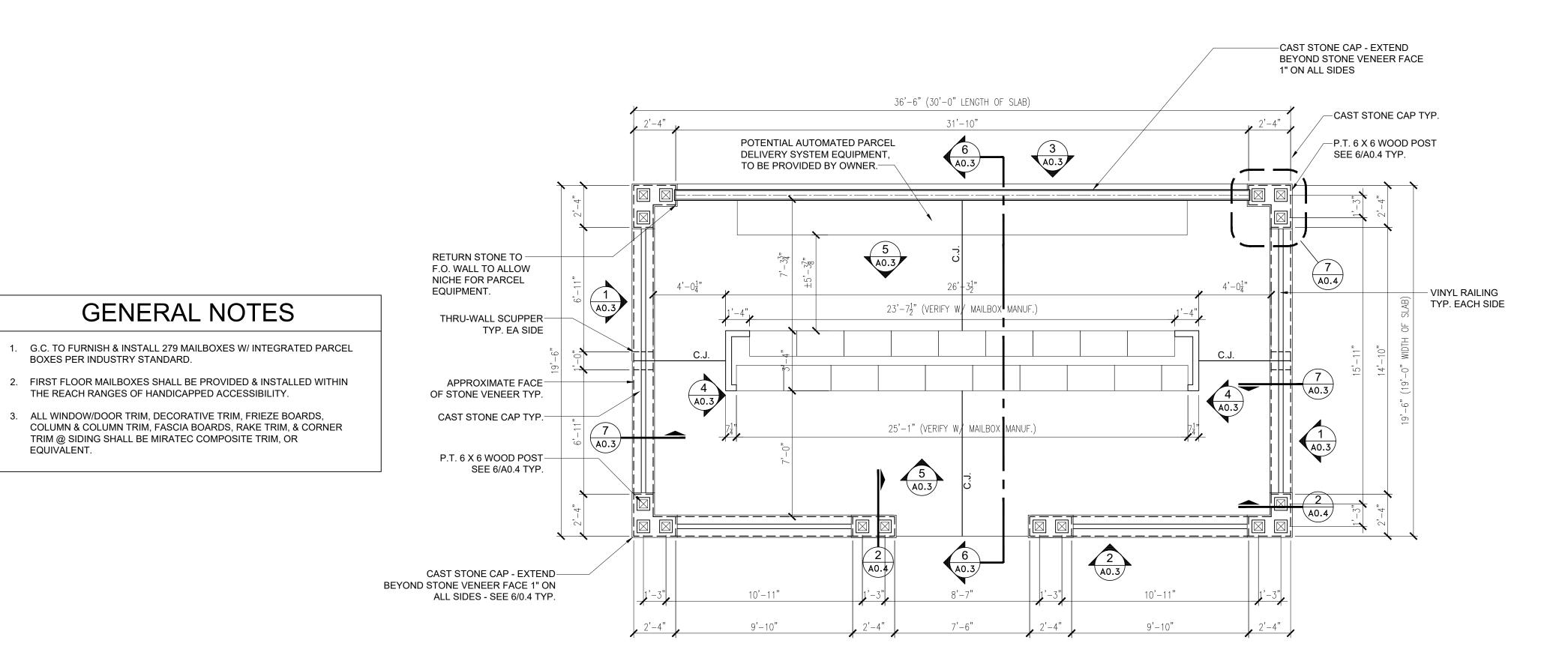
TRIM @ SIDING SHALL BE MIRATEC COMPOSITE TRIM, OR

EQUIVALENT.

INDICATES LIMITS OF ICE & WATER SHIELD ADHERED DIRECTLY TO PLYWOOD ROOF DECKING (IN ALL VALLEYS)



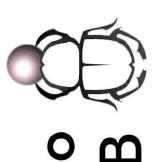
MAIL KIOSK ROOF PLAN







studioSCARAB 1012 East Fairview Ave Montgomery, AL 36106 334.399.0783 / 334.309.6165



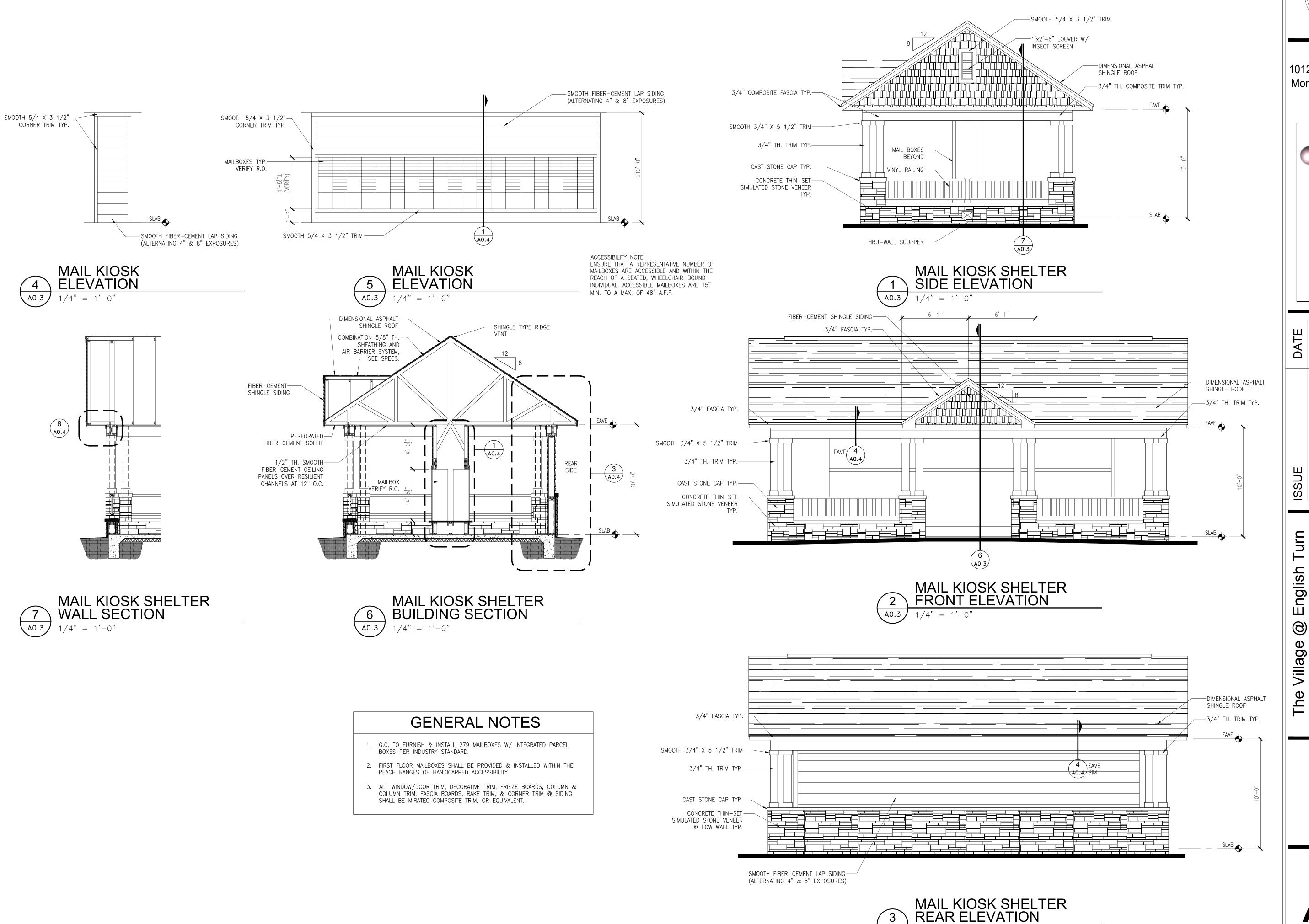
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evelopment f Square, LL a new dev Stanton

MAIL KIOSK FLOOR PLAN & ROOF PLAN



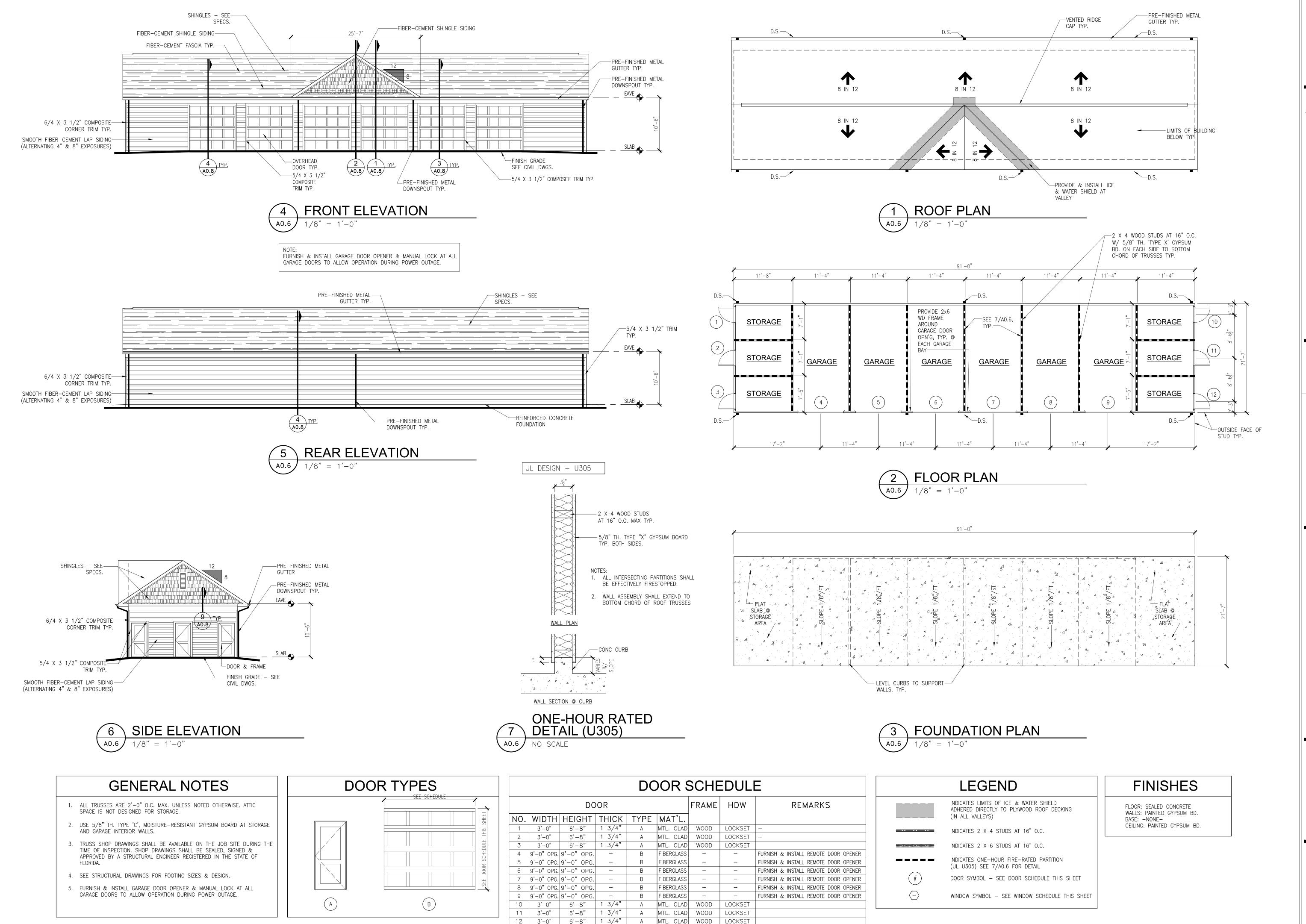
studioSCARAB 1012 East Fairview Ave Montgomery, AL 36106 334.399.0783 / 334.309.6165



DATE 08/17/22 #2022 SUBMIT studi

**MAIL KIOSK ELEVATIONS** 

New



LEE H. SIMS

studioSCARAB 1012 East Fairview Ave Montgomery, AL 36106 334.399.0783 334.309.6165



DATE 08/17/22 SUBMIT ISSNE

#2022

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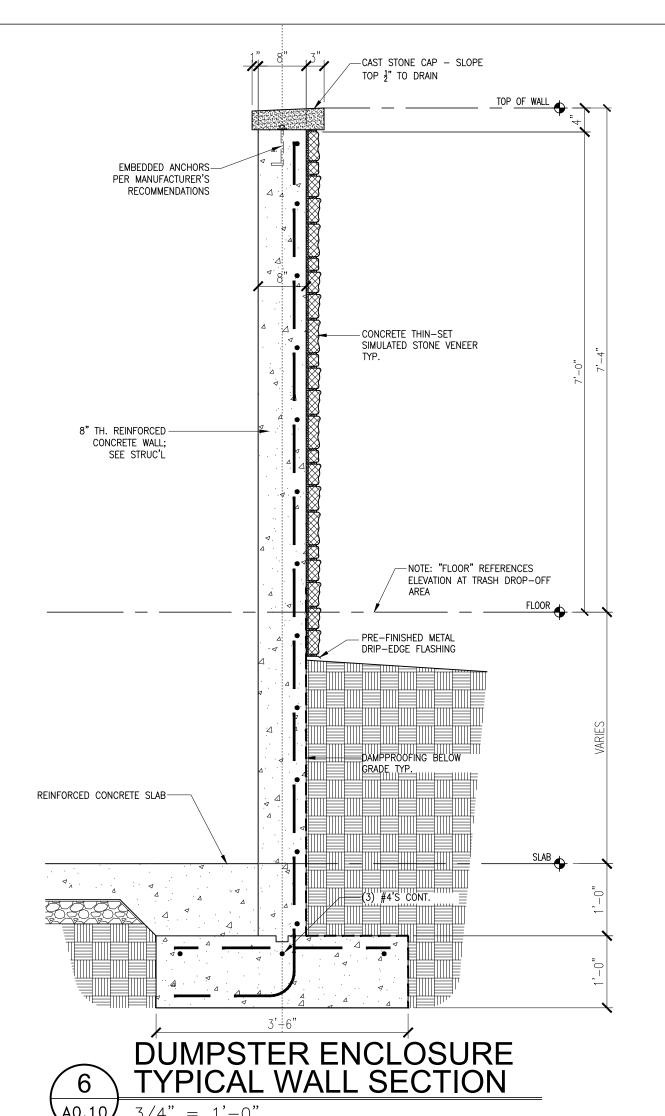
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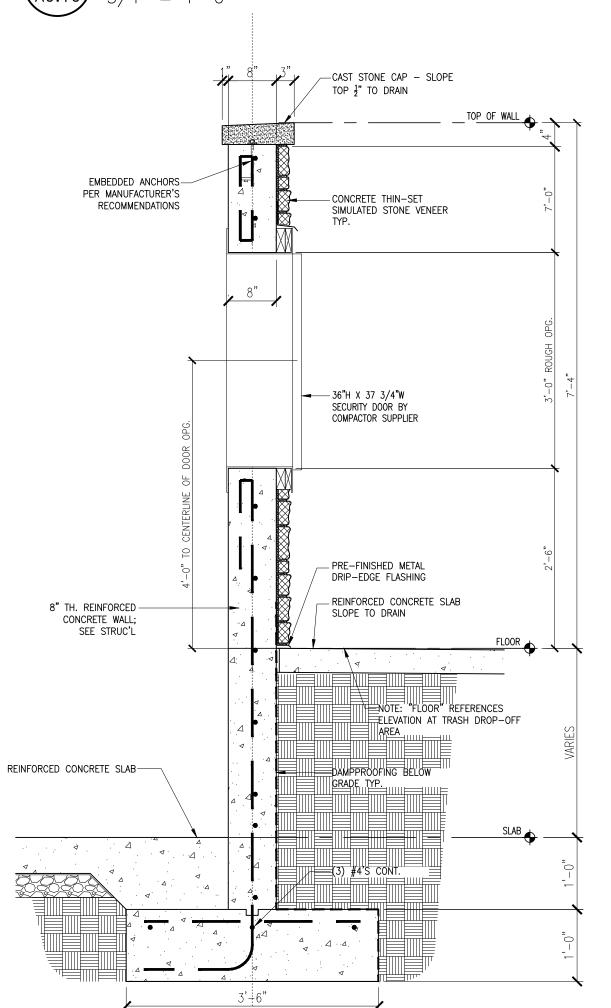
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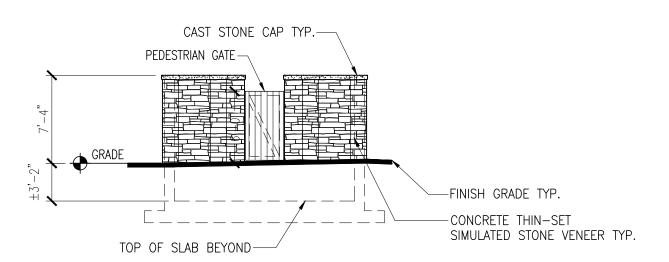
velopment Square, LL a new dev Stanton New

SIX-CAR GARAGE W/ SIX STORAGE **UNITS** 

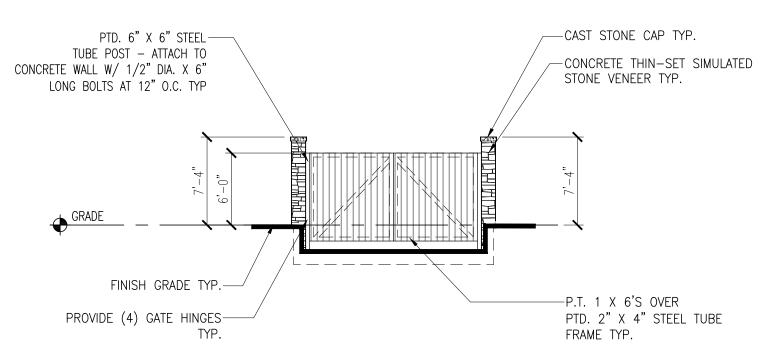




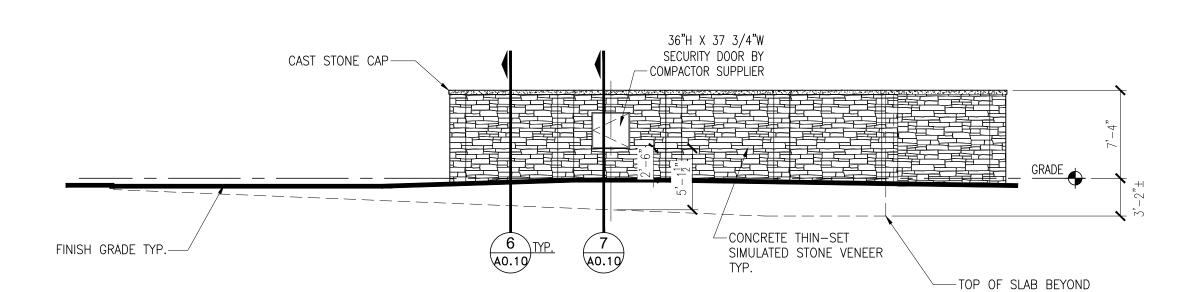




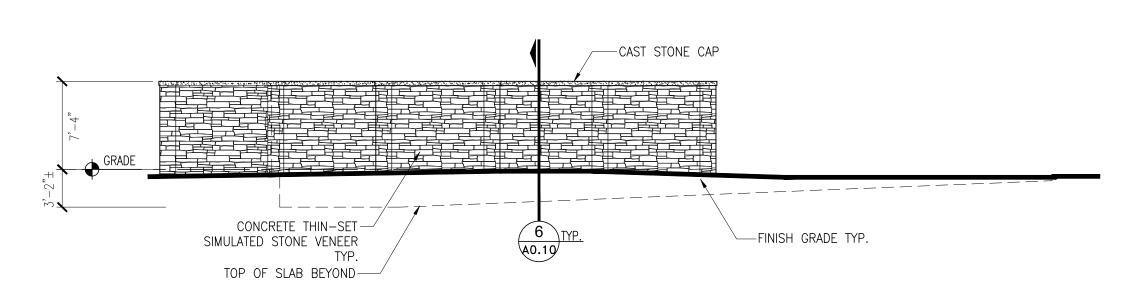




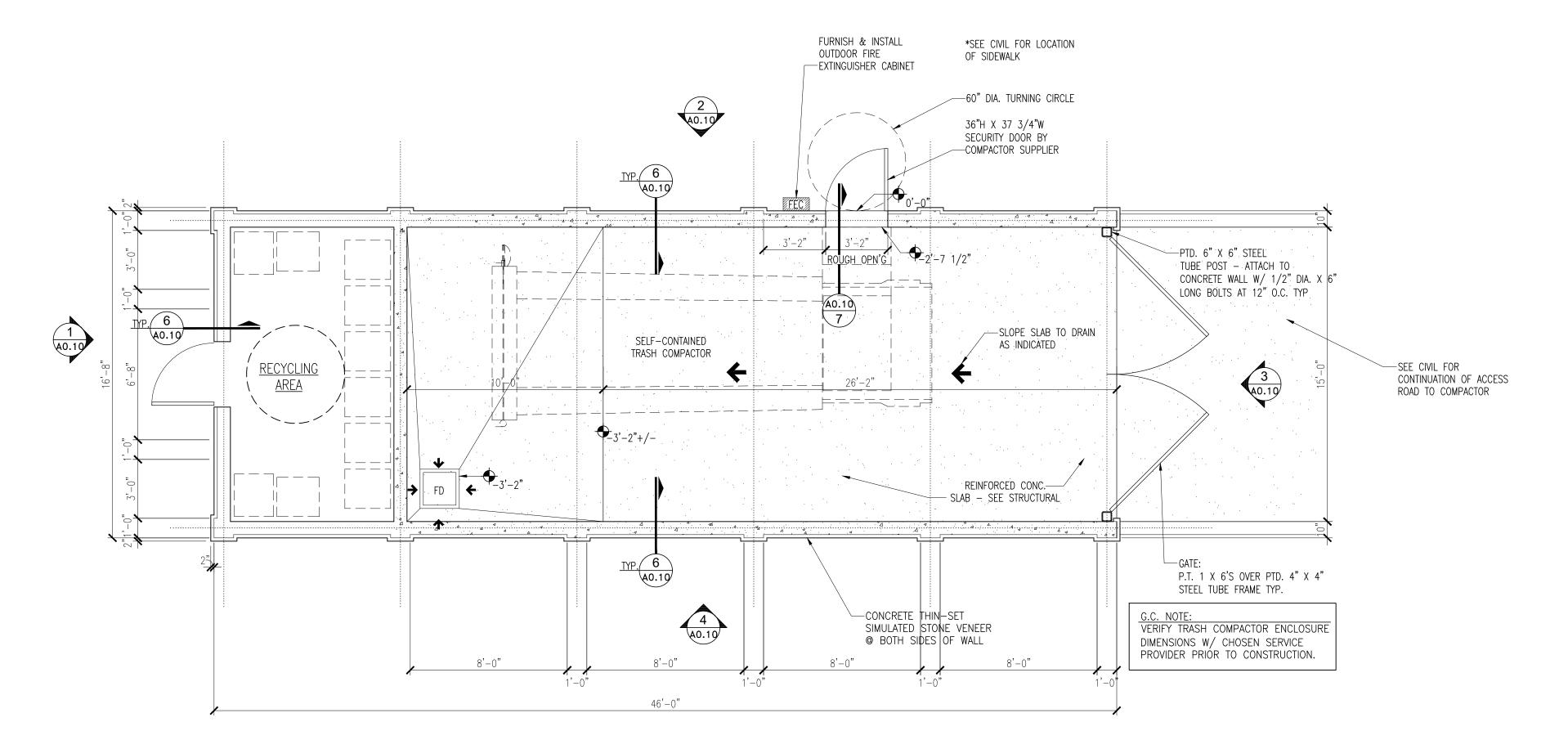
GATE END (SOUTH) ELEVATION



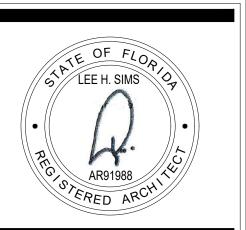
SIDE (EAST) ELEVATION



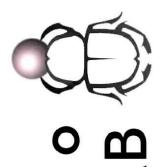
SIDE (WEST) ELEVATION



DUMPSTER ENCLOSURE FLOOR PLAN



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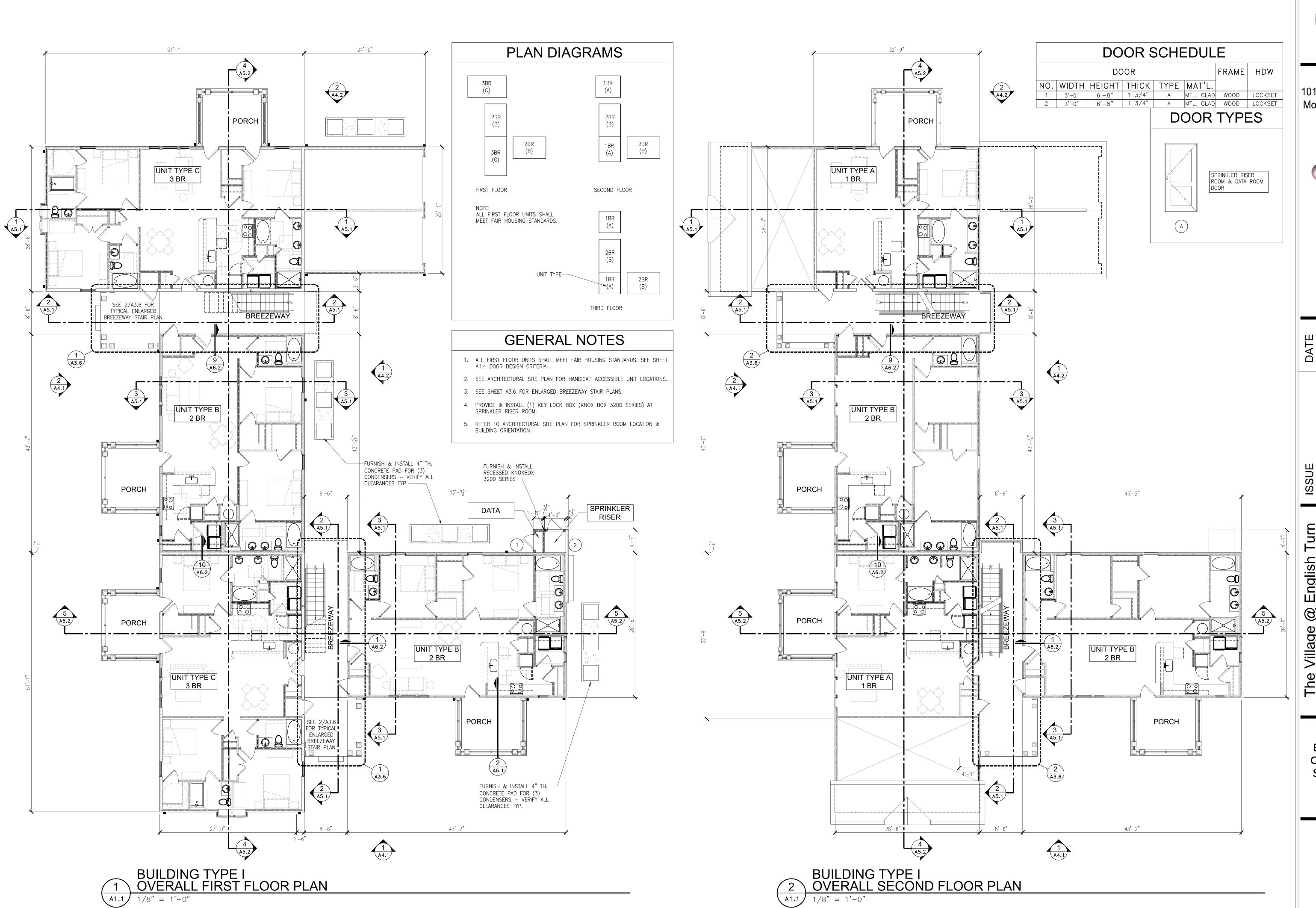
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DESIGN

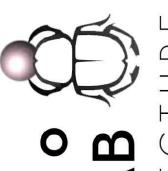
**DUMPSTER** ENCLOSURE PLAN, **ELEVATIONS & SECTION** 

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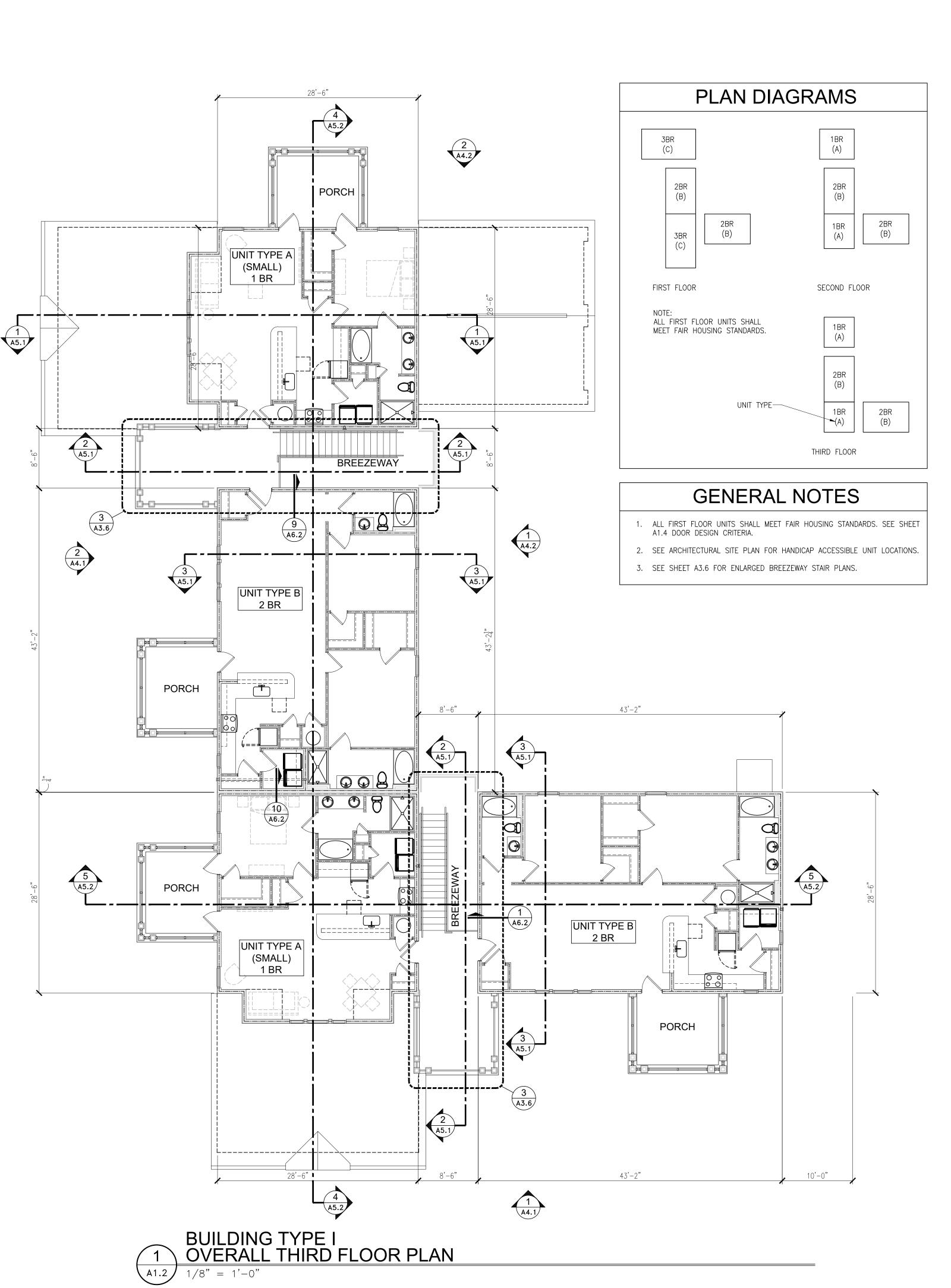


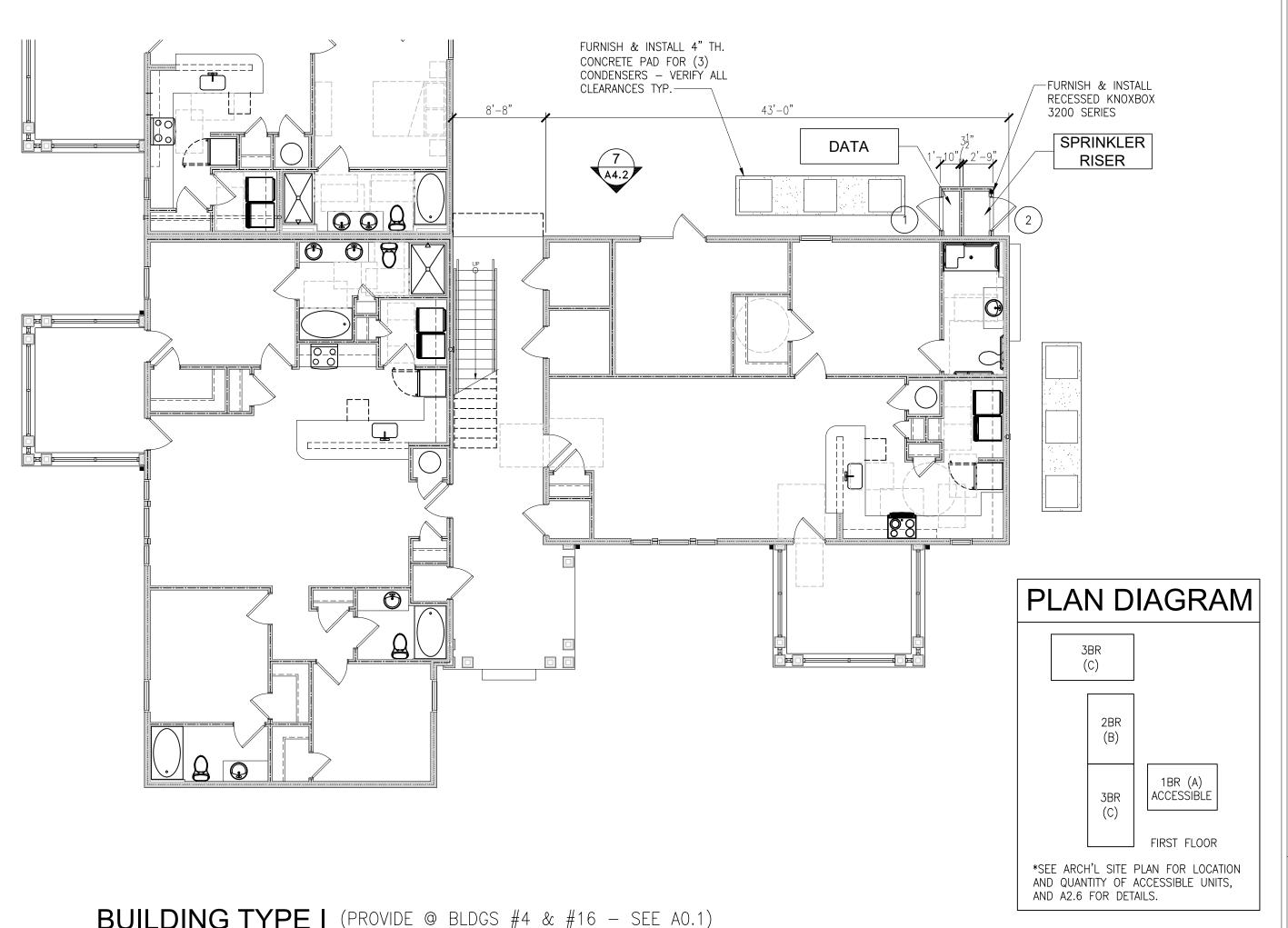
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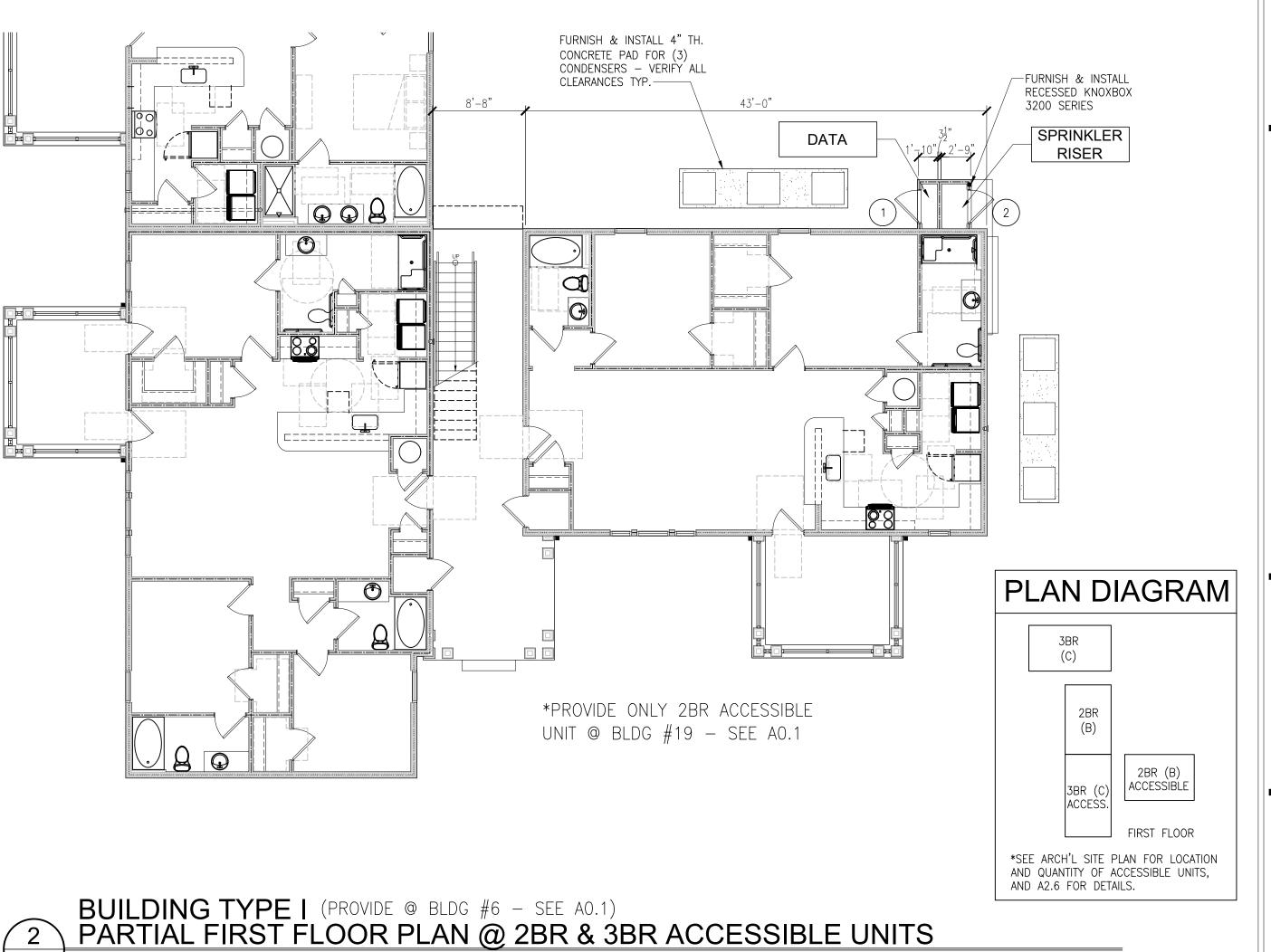
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**BUILDING TYPE I** OVERALL FIRST & SECOND FLOOR **PLANS** 



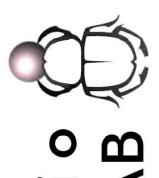








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**BUILDING TYPE I OVERALL THIRD** FLOOR & ACCESSIBLE PLANS