

5

4

3

2

1

C

B

A

C

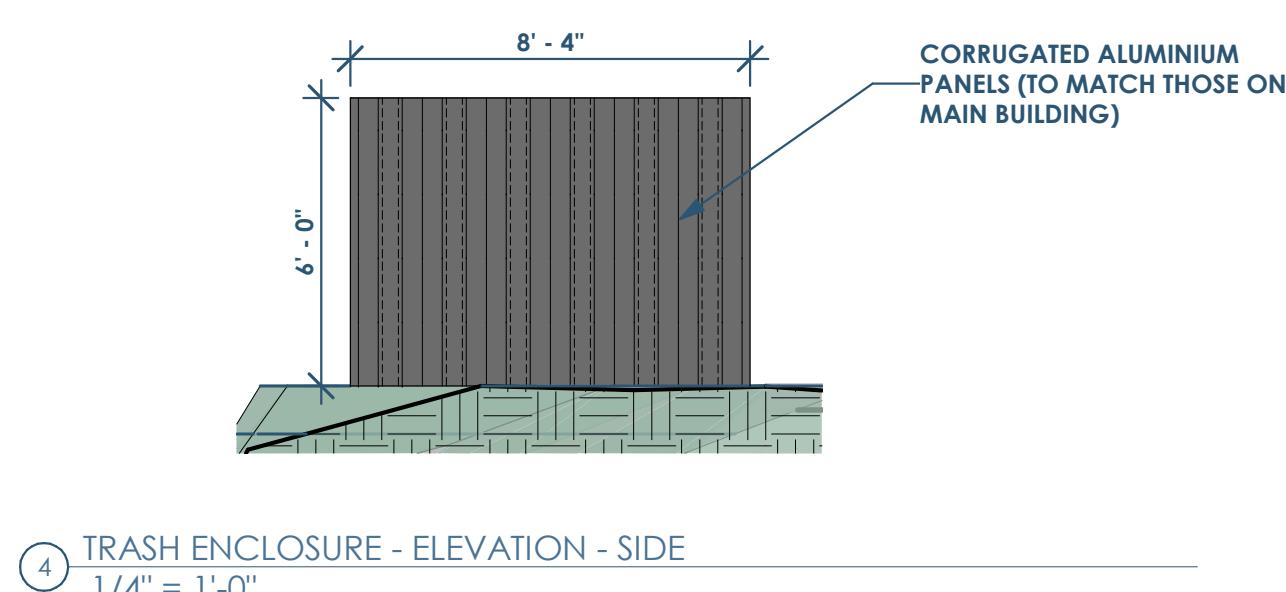
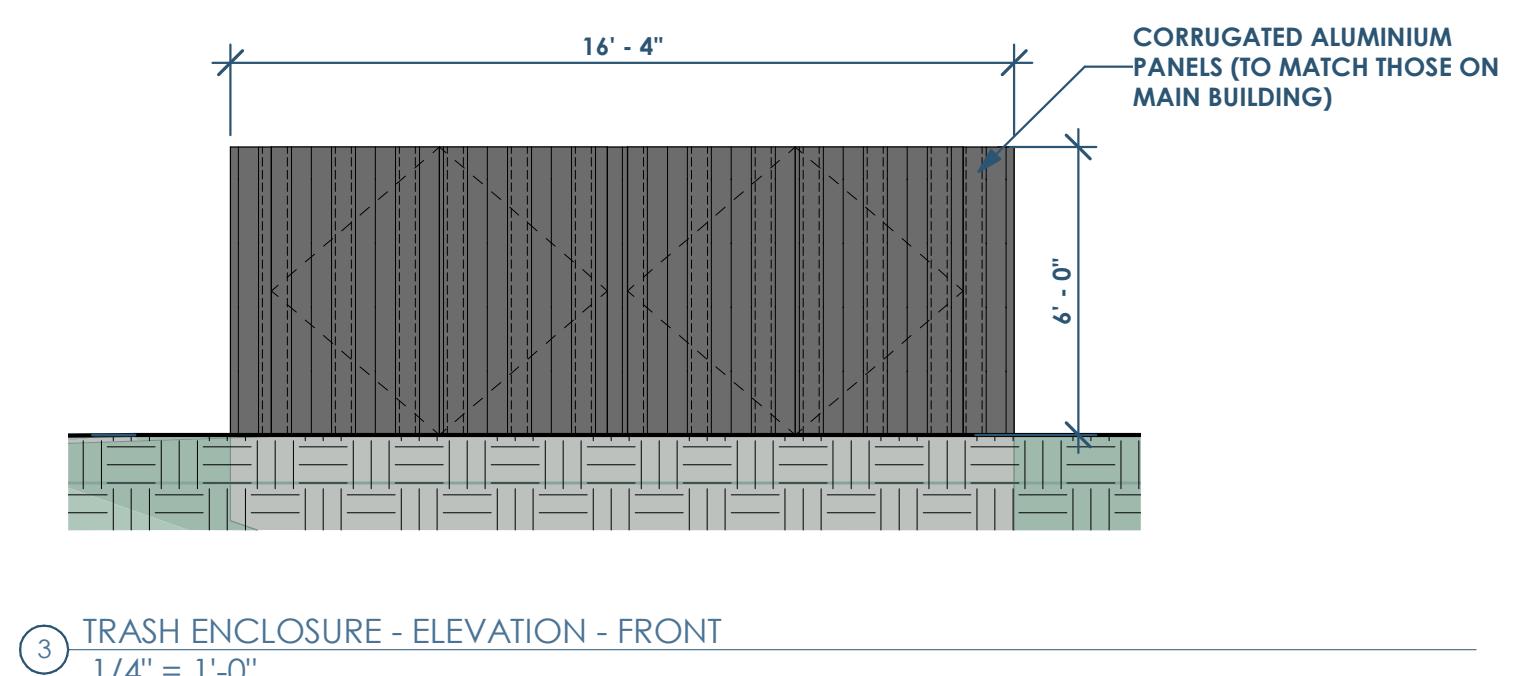
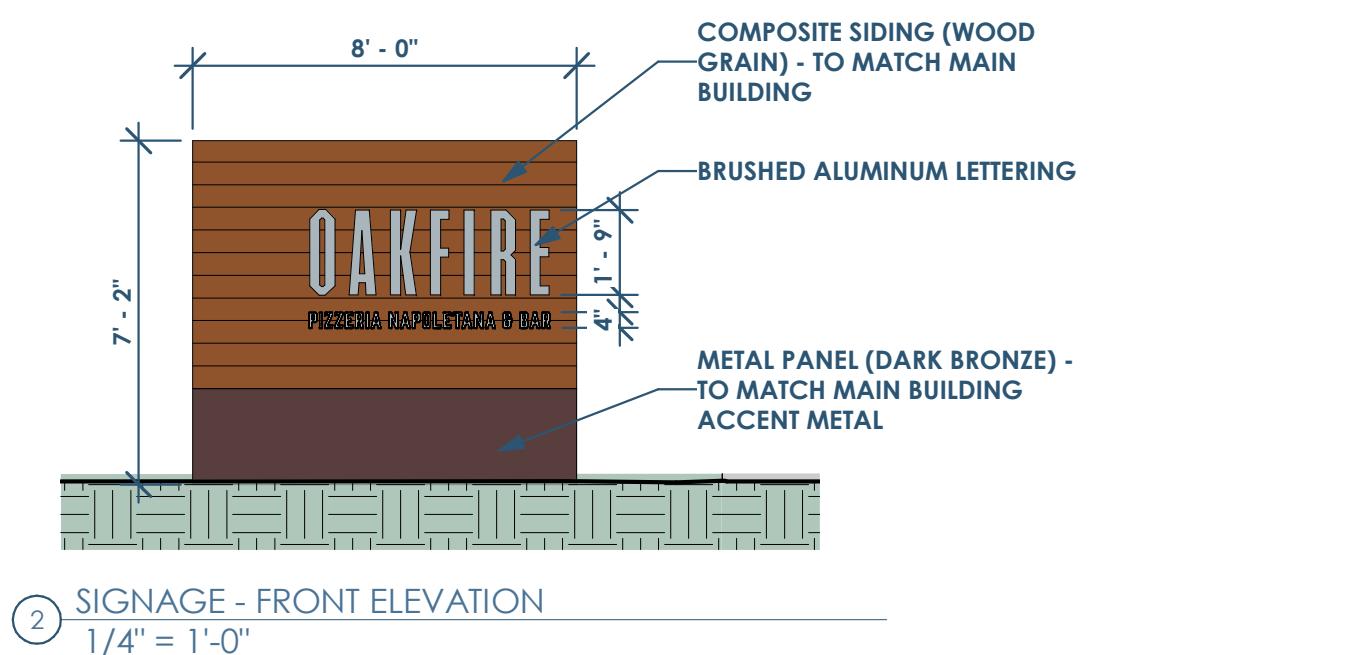
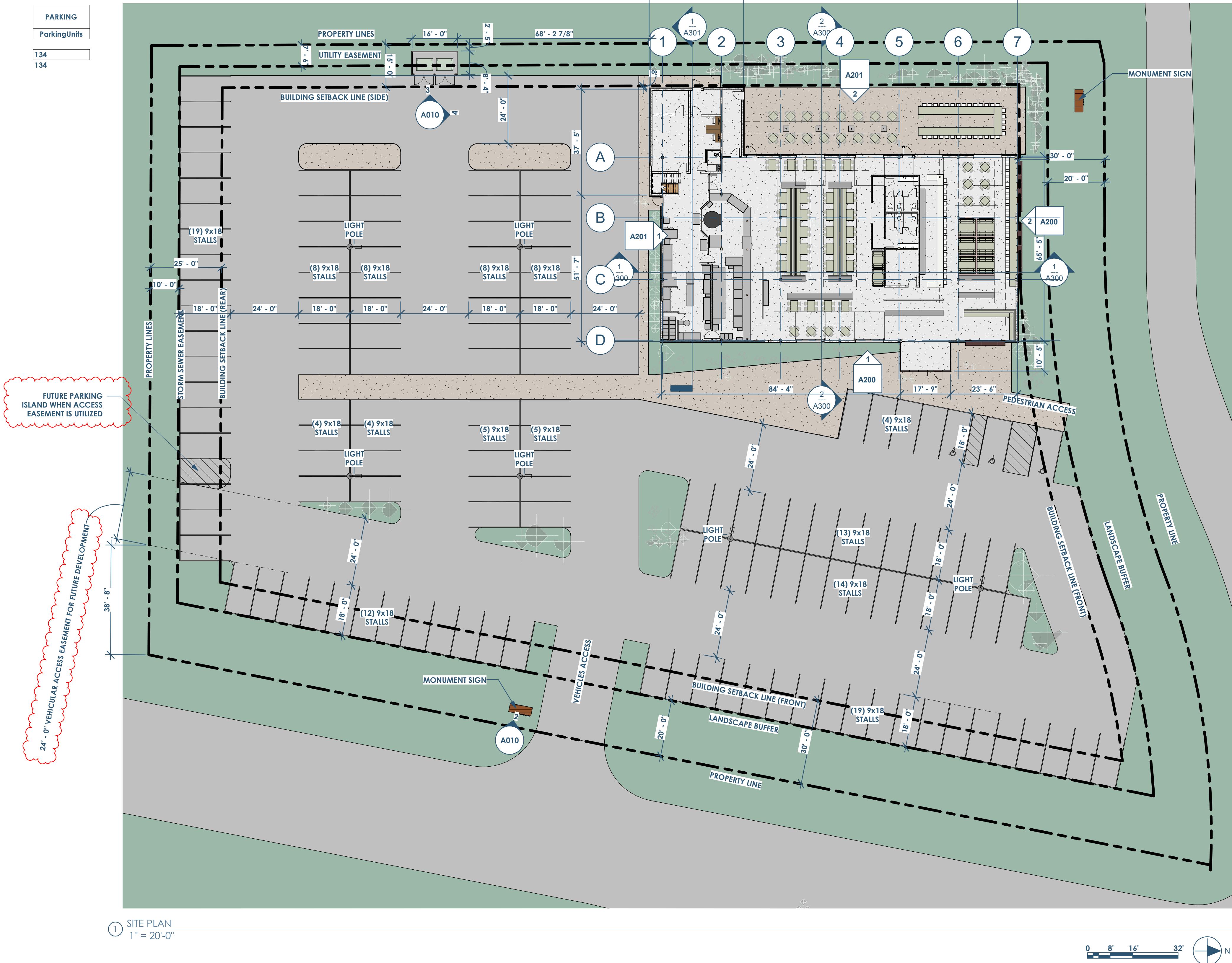
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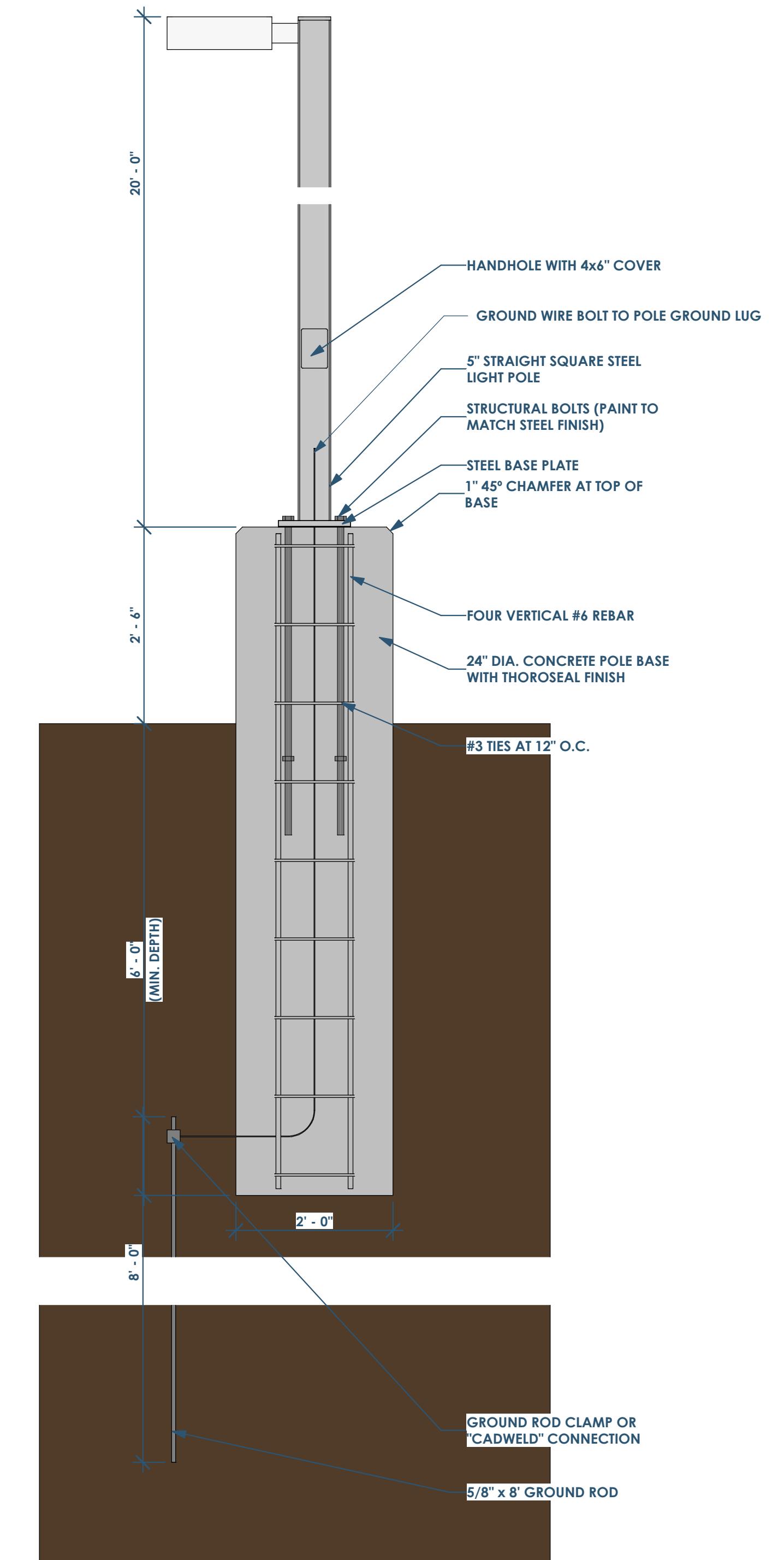
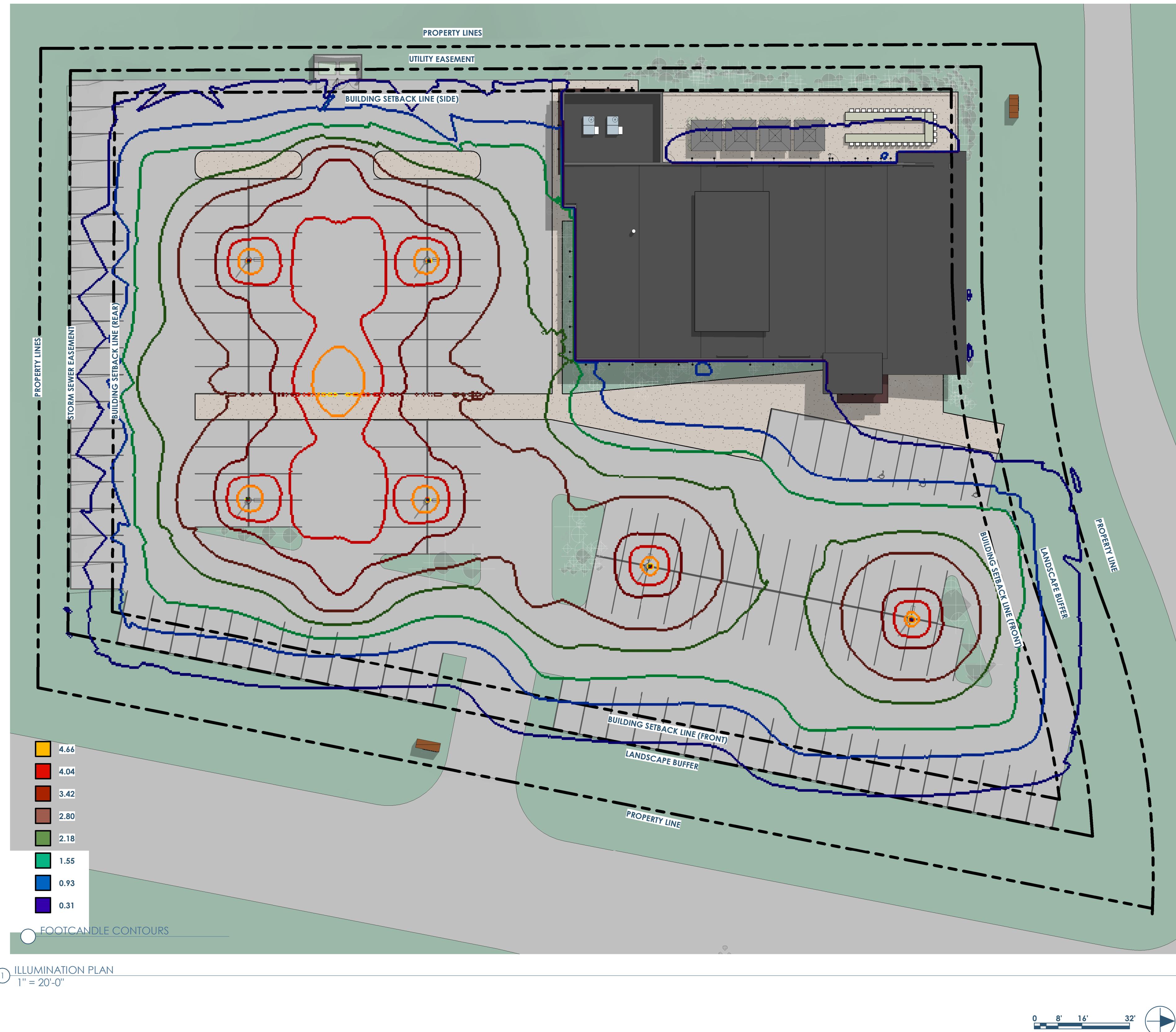
A

PARKING
Parking Units

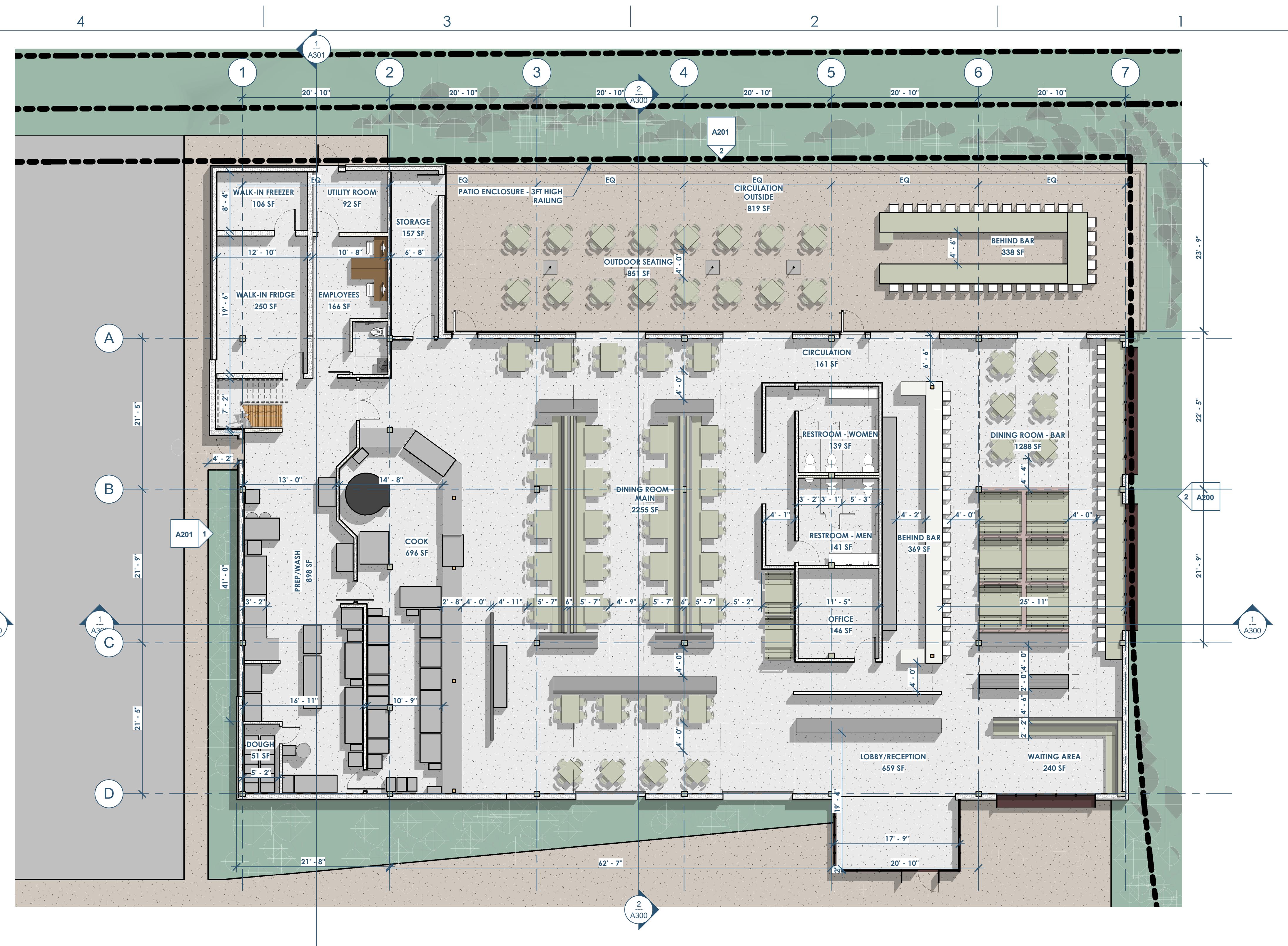
134

134





**(2) LIGHT POLE**  
 $\frac{3}{4}'' = 1'-0''$



② FLOOR PLAN - MEZZANINE  
1/8" = 1'-0"

① FLOOR PLAN - 1ST FLOOR  
1/8" = 1'-0"

SEATING - INDOOR	
Seating Count	Type Mark
24	TYPE - INDOOR - BAR - CHAIR
41	TYPE - INDOOR - BAR - STOOL
88	TYPE - INDOOR - BOOTH
91	TYPE - INDOOR - CHAIR

244

SEATING - OUTDOOR	
Seating Count	Type Mark
33	TYPE - OUTDOOR - BAR
64	TYPE - OUTDOOR - CHAIR

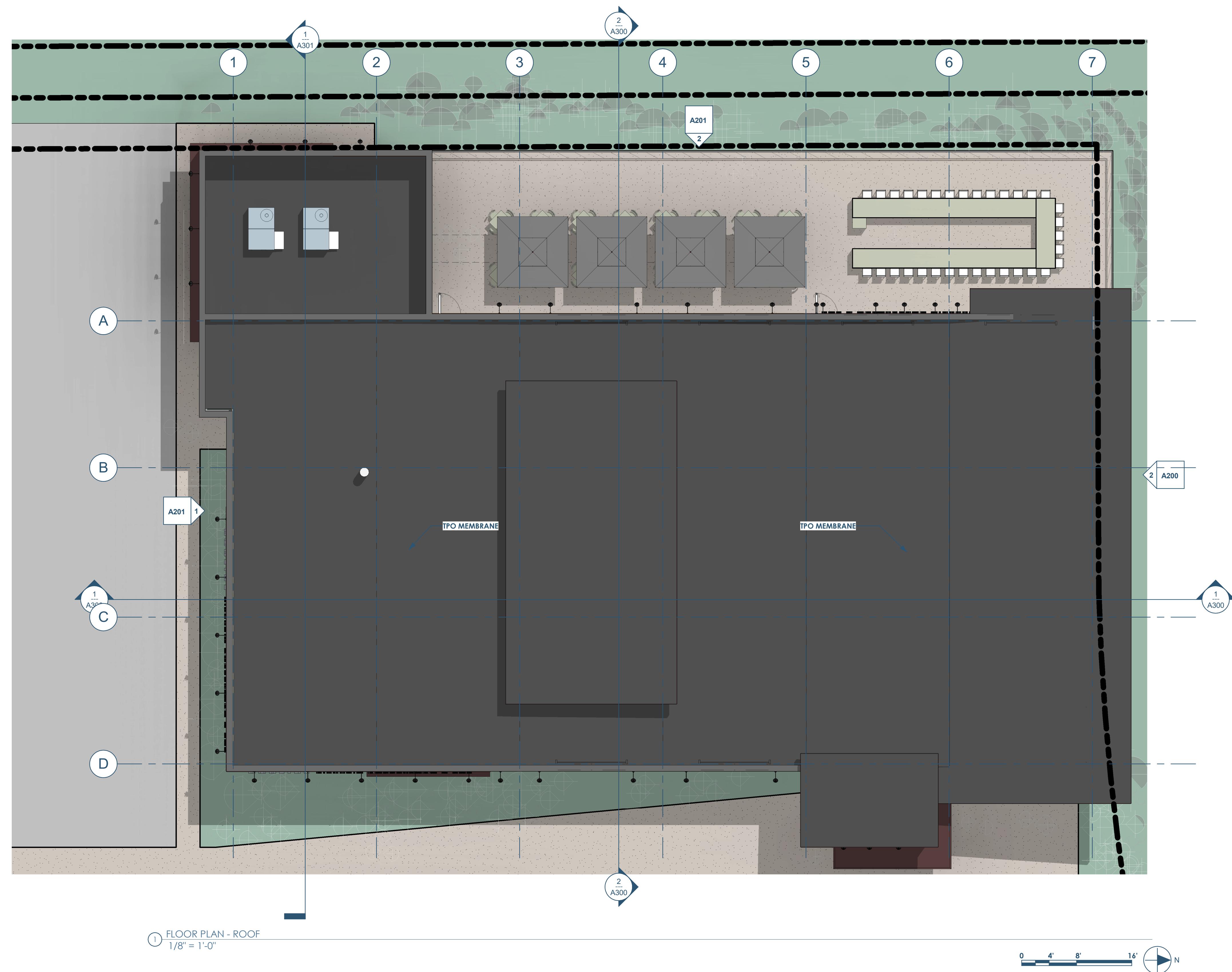
97



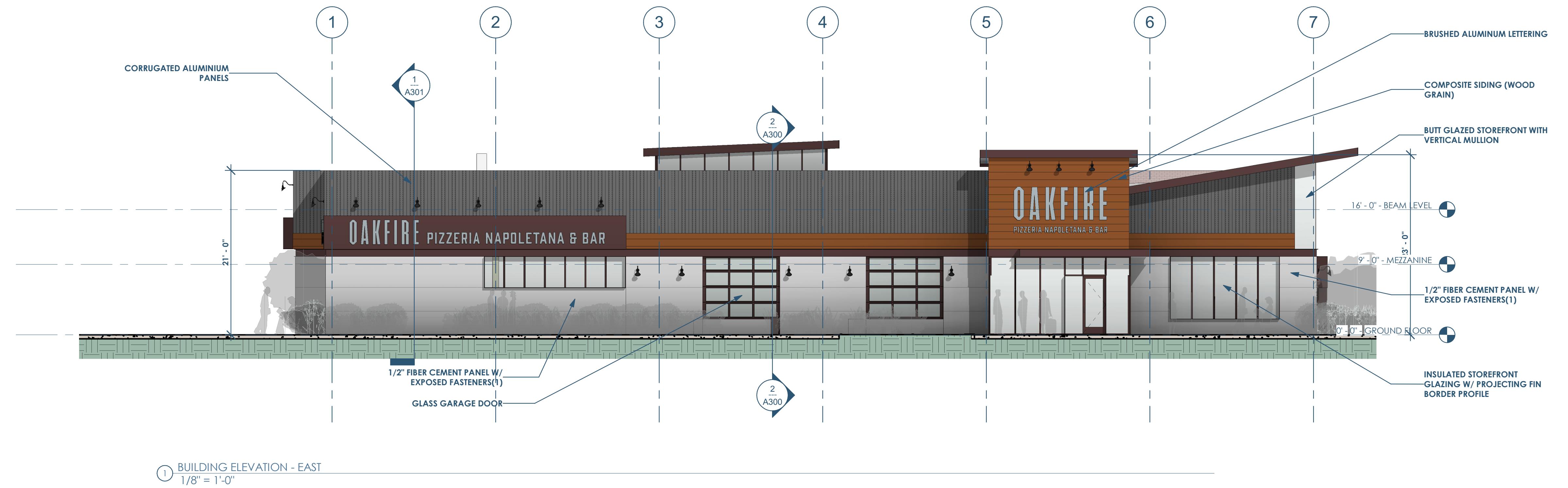
FLOOR PLAN - 1ST FLOOR - 06/28/2019  
OAKFIRE 2.0  
SOMERS, WI

A101

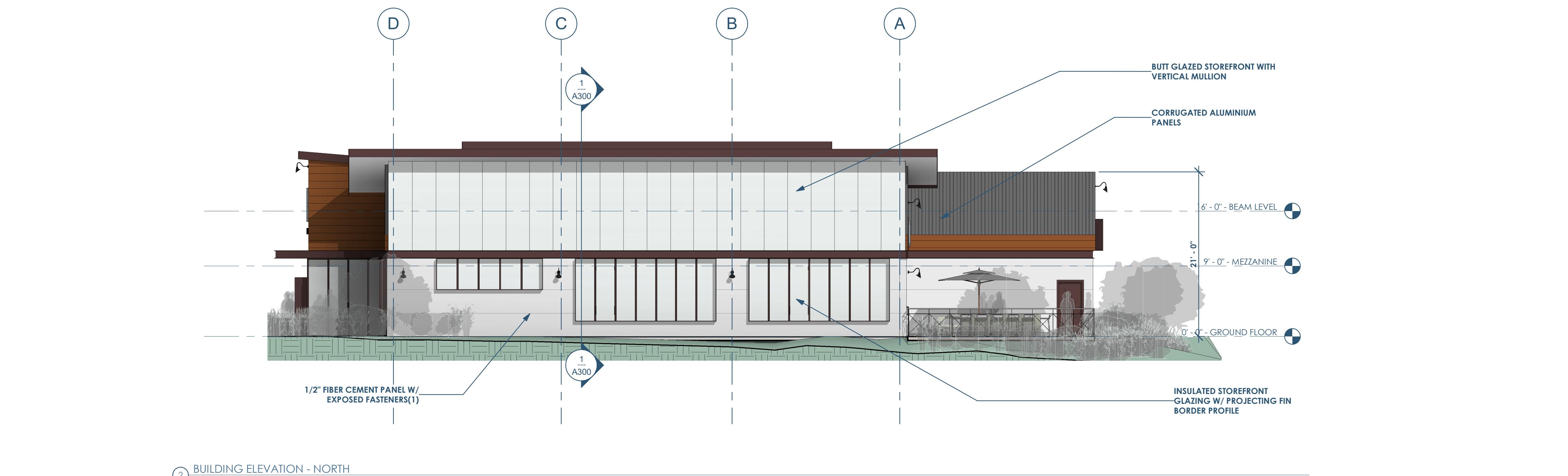
OCCUPANT LOAD (BASED ON TABLE 1004.1.2)					
Scope	Name	Area	Function of Space	Area Allowance Per Occupant	Occupant Load
Indoor	DINING ROOM - MAIN	2255 SF	Assembly - Unconcentrated	15	150.3
Indoor	DINING ROOM - BAR	1288 SF	Assembly - Unconcentrated	15	85.9
Indoor	WAITING AREA	240 SF	Assembly - Unconcentrated	15	16.0
Indoor	OFFICE	146 SF	Business Areas	100	1.5
Indoor	EMPLOYEES	166 SF	Business Areas	100	1.7
Indoor	RESTROOM - MEN	141 SF	Circulation	0	
Indoor	RESTROOM - WOMEN	139 SF	Circulation	0	
Indoor	LOBBY/RECEPTION	659 SF	Circulation	0	
Indoor	CIRCULATION	161 SF	Circulation	0	
Indoor	CIRCULATION	895 SF	Circulation	0	
Indoor	BEHIND BAR	369 SF	Kitchens, Comm.	200	1.8
Indoor	PREP/WASH	898 SF	Kitchens, Comm.	200	4.5
Indoor	COOK	696 SF	Kitchens, Comm.	200	3.5
Indoor	WALK-IN FRIDGE	250 SF	Stor/Mech	300	0.8
Indoor	WALK-IN FREEZER	106 SF	Stor/Mech	300	0.4
Indoor	STORAGE	157 SF	Stor/Mech	300	0.5
Indoor	UTILITY ROOM	92 SF	Stor/Mech	300	0.3
Indoor	MEZZANINE	1070 SF	Stor/Mech	300	3.6
Indoor	DOUGH	51 SF	Stor/Mech	300	0.2
Indoor: 19		9778 SF			270.9
Outdoor	OUTDOOR SEATING	851 SF	Assembly - Unconcentrated	15	56.7
Outdoor	OUTDOOR BAR SEATING	249 SF	Assembly - Unconcentrated	15	16.6
Outdoor	CIRCULATION OUTSIDE	819 SF	Circulation	0	
Outdoor	BEHIND BAR	338 SF	Kitchens, Comm.	200	1.7
Outdoor: 4		2256 SF			75.0
Grand total: 23		12035 SF			345.9



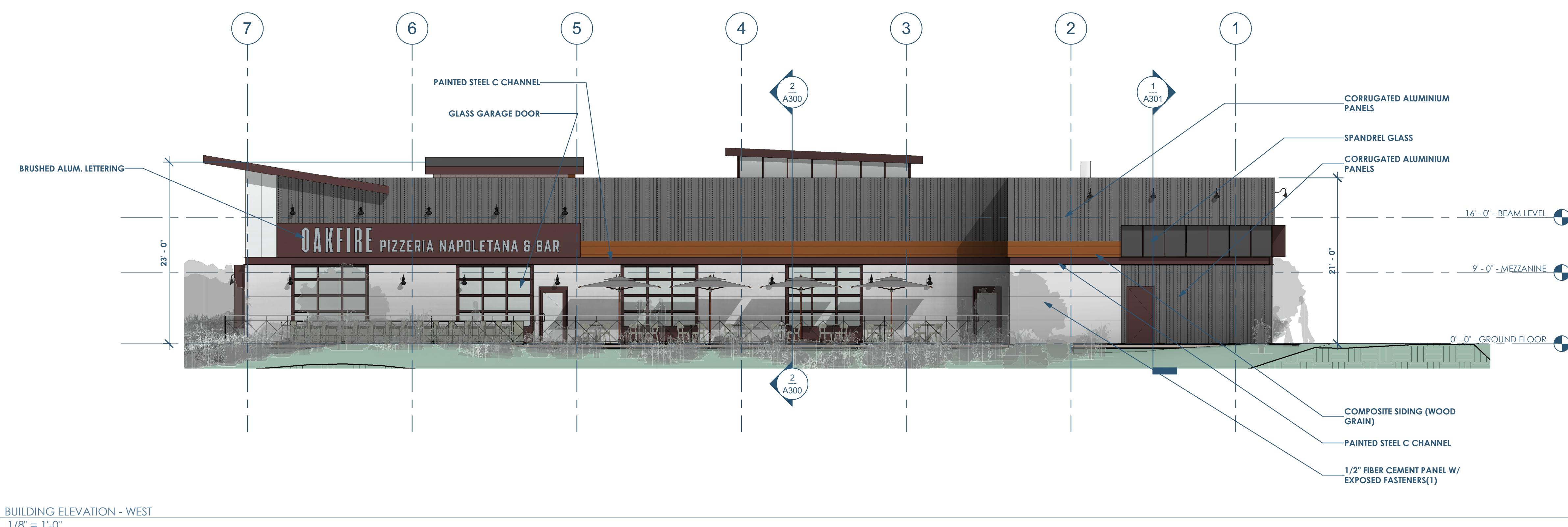
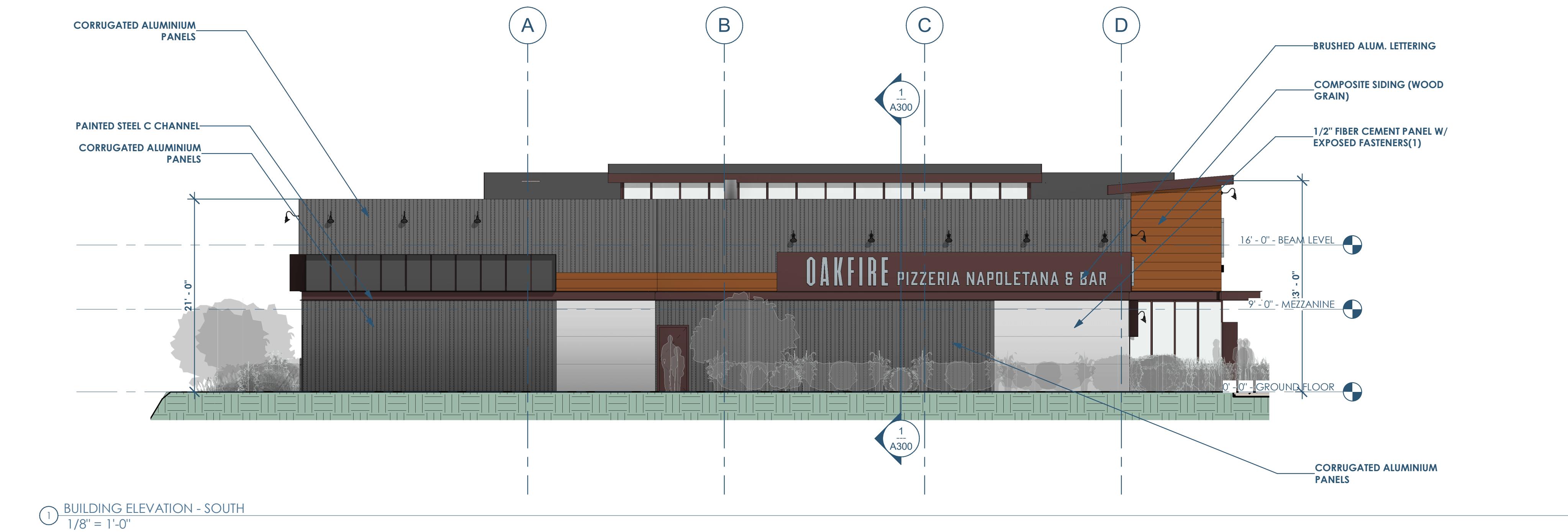
5 4 3 2 1



(1) BUILDING ELEVATION - EAST  
1/8" = 1'-0"



(2) BUILDING ELEVATION - NORTH  
1/8" = 1'-0"



**Owner:** Oakfire  
831 Wrigley Dr.  
Lake Geneva, WI 53147  
[oakfirelakegeneva.com](http://oakfirelakegeneva.com)

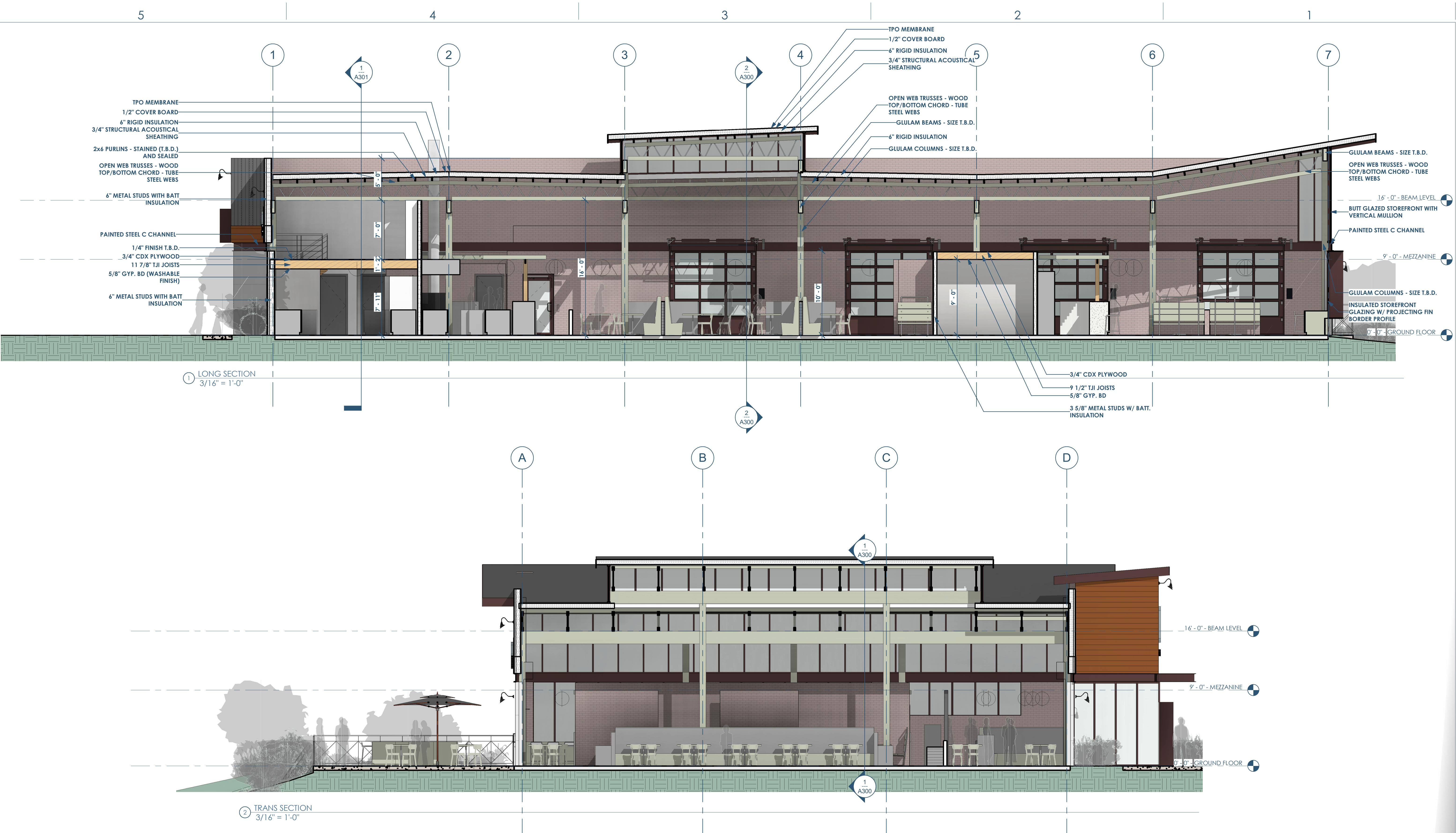
**Architect:** OpeningDesign  
6 W Washington Ave | Suite 675  
Madison, WI 53703  
[openingdesign.com](http://openingdesign.com) | 773.425.6

**General Contractor:** Geneva Bay Construct  
N2806 Walden Ln  
Lake Geneva, WI 53147-3441

# BUILDING ELEVATIONS - 06/28/2019

## OAKFIRE 2.0

### SOMERS, WI



5 4 3 2 1

C

C

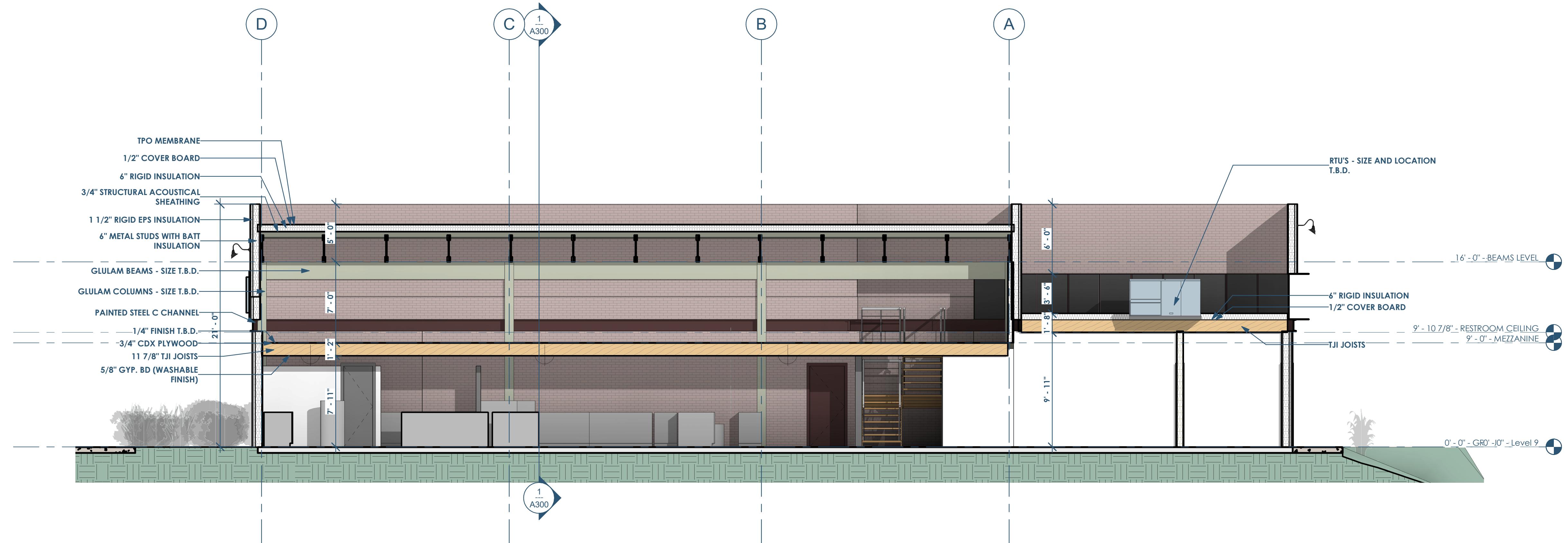
B

B

A

A

① BUILDING SECTION - EAST/WEST @ PREP KITCHEN - LOOKING SOUTH  
3/16" = 1'-0"





④ EXTERIOR - LOOKING SOUTHWEST  
12" = 1'-0"



① EXTERIOR - LOOKING NORTHWEST  
12" = 1'-0"



② EXTERIOR - LOOKING NORTHEAST  
12" = 1'-0"



③ EXTERIOR - LOOKING SOUTHEAST  
12" = 1'-0"

# Ordering Information

Sample Number: NAV-AE-01-E-UNV-T3-10K-AI-AP

Product Family	Light Engine	Number of Light Squares <sup>1</sup>	Driver	Voltage	Distribution	Surge Protection	
NAV=Navion	AE=1A Drive Current	01=1 02=2 03=3 <b>04=4</b> 06=6	E=Non-Dimming <b>D=Dimming</b>	UNV=Universal 120-277V 347=347V 480=480V	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NO=Type V Square Narrow <b>5MQ=Type V Square Medium</b> 5WQ=Type V Square Wide	SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	10K=Cooper 10kV Surge Module (Standard) X=Driver Surge Protection Only <sup>2</sup>

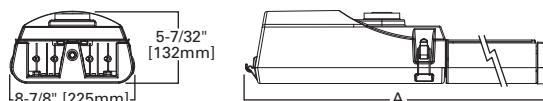
Options (Add as Suffix)		Color
2L=Two Circuits <sup>3</sup> <b>7030=70 CRI 3000K<sup>4</sup></b> 7060=70 CRI 6000K <sup>4</sup> 530=Drive Current Factory Set to 530mA <sup>5</sup> 700=Drive Current Factory Set to 700mA <sup>5</sup> PER=NEMA Twistlock Photocontrol Receptacle IP66=IP66 Rated HA=50°C High Ambient L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right	MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height <sup>6</sup> MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height <sup>6</sup> MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height <sup>6</sup> MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height <sup>7</sup> MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height <sup>7</sup> MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height <sup>7</sup> K=Level Indicator AI=Arm Included <sup>8</sup> LCF=Light Square Trim Plate Matches Housing Color HSS=Factory Installed House Side Shield <sup>9</sup>	AP=Grey (Standard) BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White

Accessories (Order Separately)		
OA1223=10kV Surge Module Replacement OA/RA1013=Photocontrol Shorting Cap OA/RA1014=NEMA Photocontrol - 120V OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon	MA1011-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1012-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1013-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1014-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1015-XX=2 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1016-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon	MA1018-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1019-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1045-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1048-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1049-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon FSIR-100=Wireless Configuration Tool for Motion Sensor <sup>10</sup> LS/HSS-XX=Field Installed House Side Shield <sup>11</sup>

NOTES: 1 Standard 4000K CCT and minimum 70 CRI. 2 Consult factory for driver surge protection values. 3 Low-level output varies by number of light squares specified. Consult factory. Requires two or more light squares. No terminal block with 2L options. 4 Use dedicated IES files for 3000K and 6000K when performing layouts. These files are published on the Navion luminaire product page on the website. 5 1 Amp standard. Use dedicated IES files for 530mA and 700mA when performing layouts. These files are published on the Navion luminaire product page on the website. 6 Sensor mounted externally. Must specify dimming driver. Consult factory for more information. 7 Sensor mounted externally. Available in 2, 3, 4 or 6 square configurations Replace "XX" with number of squares in low output mode. For ON/OFF operation, replace "XX" with "0". Maximum two squares in low output mode. Not available with dimming driver. No terminal block with ON/OFF sensor. 8 22° upsweep arm. Round pole adapter and mounting hardware included, "M" Drill Pattern. 9 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 10 This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your Eaton's Cooper Lighting business representative for additional details. 11 One required for each Light Square.

## Dimensions

### 1, 2 or 3 Light Squares

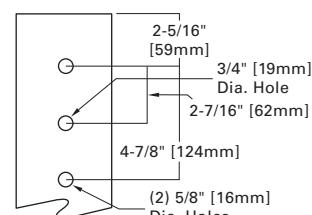


## Dimensional Data

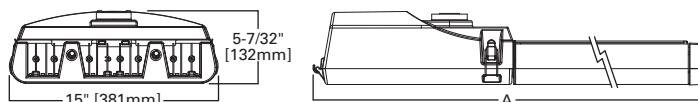
Number of Light Squares	"A" Length
1	21-1/2" (546mm)
2	27-5/8" (701mm)
3	33-5/8" (854mm)
<b>4</b>	<b>27-5/8" (704mm)</b>
6	33-5/8" (854mm)

## Arm Drilling

### Type "M"



### 4 or 6 Light Squares



## Lumen Multiplier

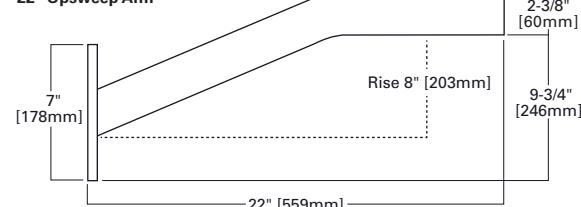
Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

## Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C	> 90%	> 170,000

## Optional Arm

### 22" Upsweep Arm



## Additional Information

Compliances	Technical Data (Electronic Driver)	EPA (Effective Projected Area - Square Feet)	Shipping Data (Approximate Net Weight)		
UL and cUL Wet Location Listed IP66 Light Squares 3G Vibration Rated ARRA Compliant ISO9001	+40°C (104°F) Ambient Temperature Rating -40°C (-40°F) Ambient Temperature Rating Optional 50°C (HA) Ambient Temperature Rating >0.9 Power Factor <20% Total Harmonic Distortion 120-277V/50 and 60 Hz 347/60 Hz, 480V/60 Hz	1 Square 2 Squares 3 Squares 4 Squares 6 Squares	0.8 1.0 1.2 1.2 1.4	1.2 1.3 1.5 1.5 1.7	1 Square 17 lbs. (7.7 kgs.) 2 Squares 22 lbs. (10.0 kgs.) 3 Squares 26 lbs. (11.8 kgs.) 4 Squares 31 lbs. (14.1 kgs.) 6 Squares 36 lbs. (16.3 kgs.)

NOTE: Specification and dimensions subject to change without notice.



IP66  
Rated



REV 02.17.19

## FRONTIER/FIRE CHIEF SERIES

BARN LIGHT SIGN LIGHT COLLECTION

Max Weight: 10.0 lbs

PROJECT NAME \_\_\_\_\_

PROJECT TYPE \_\_\_\_\_

SPS-0177

BLE - G -

A	B	C	D	E	F	G
-	-	-	-	-	-	-
H	I	J	K			

Order Example: BLE - G - ASFC12 - 995 - G4 - 995 - NA - NA - NA - NA - DCHX - LED11 - 3000K

**A - SHADE SIZE**

FRONTIER/FIRE CHIEF:

- ASFC8 8" Shade<sup>1,2</sup>  
 ASFC10 10" Shade  
 ASFC12 12" Shade  
 ASFC14 14" Shade

**B - SHADE FINISH**POWDER COAT FINISHES<sup>3</sup>:

- 100 Black  
 105 Textured Black  
 200 White  
 300 Dark Green  
 307 Emerald Green  
 311 Jadite  
 370 Mint  
 380 Chartreuse  
 390 Teal  
 400 Barn Red  
 420 Orange  
 470 Watermelon  
 480 Blush Pink  
 490 Magenta  
 500 Buttery Yellow  
 570 Sunflower  
 600 Bronze  
 601 Chocolate  
 605 Rust  
 615 Oil-Rubbed Bronze  
 700 Royal Blue  
 705 Navy  
 710 Cobalt Blue  
 715 Delphite Blue  
 800 Industrial Grey  
 805 Charcoal Granite  
 810 Graphite  
 975 Galvanized

PORCELAIN FINISHES<sup>4</sup>:

- 150 Black  
 250 White  
 350 Vintage Green  
 355 Jadite  
 455 Cherry Red  
 550 Yellow  
 650 Bronze  
 750 Cobalt Blue  
 765 Delphite Blue  
 850 Graphite  
 950 Metallic Chrome

**B - SHADE FINISH (CONTINUED)**NATURAL FINISHES<sup>5</sup>:

- 995 Raw Copper  
 996 Weathered Copper  
 997 Raw Brass  
 998 Weathered Brass  
 999 Oil-Rubbed Copper

**C - GOOSENECK ARMS**

GOOSENECK OPTIONS:

- |                   |                    |
|-------------------|--------------------|
| G1 <sup>6</sup>   | G16 <sup>6</sup>   |
| G2 <sup>6</sup>   | G17                |
| G3 <sup>6,7</sup> | G19 <sup>6,7</sup> |
| G4                | G22                |
| G5 <sup>6</sup>   | G24                |
| G6                | G25                |
| G7                | G26 <sup>6</sup>   |
| G8                | G32                |
| G9                | G34 <sup>6</sup>   |
| G10               | G35 <sup>6</sup>   |
| G11 <sup>6</sup>  | G36 <sup>6</sup>   |
| G12 <sup>6</sup>  | G40 <sup>6,7</sup> |
| G13               | G64 <sup>6</sup>   |
| G14               | G65 <sup>6</sup>   |
| G15               |                    |

**D - GOOSENECK ARM FINISH**

Please Note: See **Section B** for all applicable Gooseneck Arm Finish Options. Gooseneck arms are also available in 980-Bronze Aluminum.  
 (I) If Porcelain Finish selected, gooseneck arm will be powder coat painted-to-match.

980 Brushed Aluminum

**E - SWIVEL KNUCKLE**

- NA None  
 SWK Swivel Knuckle

**F - OPTIONAL ACCESSORIES**

- NA None  
 WC Wire Cage<sup>6</sup>  
 TGG Heavy Duty Guard<sup>6,8</sup>  
 CGG Cast Guard<sup>6,8</sup>  
 WGG Wire Guard<sup>6,8</sup>

**G - GLASS OPTIONS<sup>9</sup>**

- NA Not Applicable  
 CLR Clear Glass<sup>10</sup>  
 FST Frosted Glass  
 RIB Ribbed Glass  
 CCR Clear Crackle Glass  
 SMK Smoke Crackle Glass  
 HCR Honey Crackle Glass

**H - OPTIONAL ACCESSORY FINISH**

Please Note: See **Section B** for all applicable Accessory Finish Options.  
 (I) Wire Cage and Guards not available in Natural Finishes.  
 (II) If Porcelain Finish is selected, accessory will be powder coat painted-to-match.  
 (III) If no accessory selected in Section F, select NA.

NA Not Applicable

**I - MOUNTING ACCESSORY**

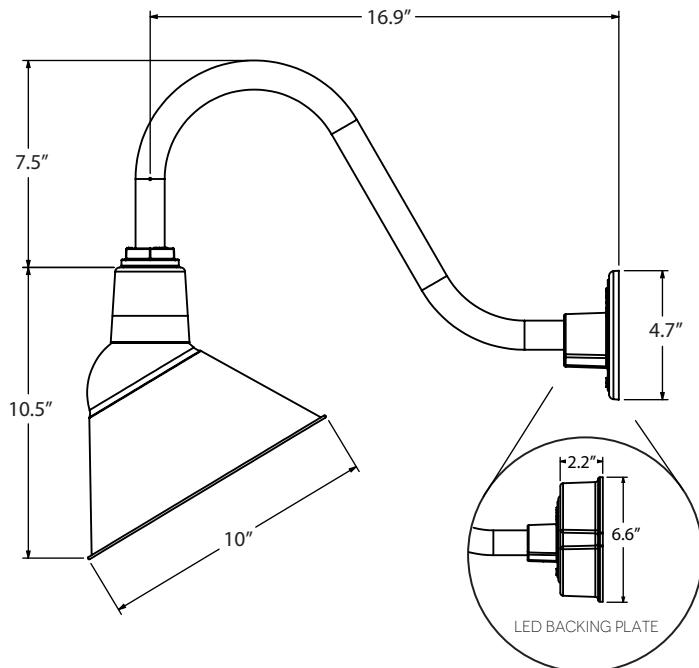
- NA None  
 HDBP Heavy Duty Backing Plate<sup>6,7</sup>  
 DD Dusk-to-Dawn Photocell<sup>7</sup>  
 DBPC Decorative Backing Plate Cover  
 DCHX Decorative Backing Plate Cover & Hex Cover  
 LDCHX LED Decorative Backing Plate Cover & Hex Cover

Note: The specified gooseneck arm of the luminaire is angled provide a directional light facing the building facade.

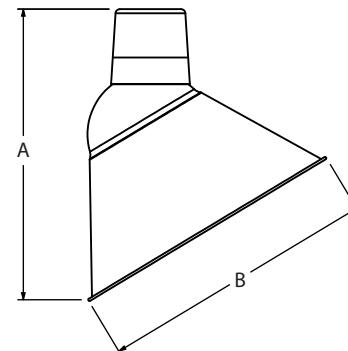
**IMPORTANT:** (1) Optional guard accessory in Section F not available with select shade size (2) Select shade size not available in LED (3) All Powder Coat finished shades, Galvanized excluded, feature a white interior (4) All Porcelain Enamel finished shades feature a white interior and a black outer rim (5) Natural Finishes have a longer estimated manufacturing time, please check the website for exact lead time. There are no returns accepted on Natural Finishes (6) Not available in Natural Finishes (7) Not available if LED Light Source is selected in Section J (8) Guard and Glass accessory reduces incandescent wattage to 100W Max, GU24 Bi-Pin to 18W Max and LED Max to 1600 Lumens (9) Selection only applicable if a guard is selected in Section F, select NA if no guard is selected (10) Not recommended if LED Light Source is selected in Section J (11) Light Source not applicable if TGG, CGG and WGG Guard is selected in Section F (12) Selection only applicable if LED Light Source selected in Section J (13) Gooseneck Arm not applicable if ASFC12 or ASFC14 shade selected in Section A

**DIMENSIONAL DRAWING**

Galvanized steel shades are crafted from 20 Ga Sheet metal while 1100-0 Aluminum—ranging from 0.050" to 0.125"—is used for all other shades. All shades have their edges rolled, and the result is highly durable and stylish lighting.



SHOWN WITH: G15 GOOSENECK ARM &amp; 10" SHADE

**AVAILABLE SHADE SIZES**

SHADE CODE	HEIGHT (A)	DIAMETER (B)
ASFC8	8"	8"
ASFC10	10.5"	10"
ASFC12	12"	12"
ASFC14	14.5"	14"

**LIGHT SOURCE**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. To obtain an IES file specific to your project, please contact the factory.

OPTION	WATTAGE	LUMENS	CRI	VOLTAGE	DIMMING
<b>LEDS</b>					
LED11	11W	850	>90	120 VAC	TRIAC
LED16	16W	1250	>90	120 VAC	TRIAC
LED16.8	16W	1600	>90	120 VAC	TRIAC
LED27	27W	2000	>90	120-277 VAC	0-10V
<b>INCANDESCENT (MED E26)</b>					
E26	200W Max	1400	100	120 VAC	Bulb Dependant
<b>COMPACT FLOURESCENT (GU24 CFL)</b>					
GU24	23W Max	1400	75	120 VAC	Bulb Dependant