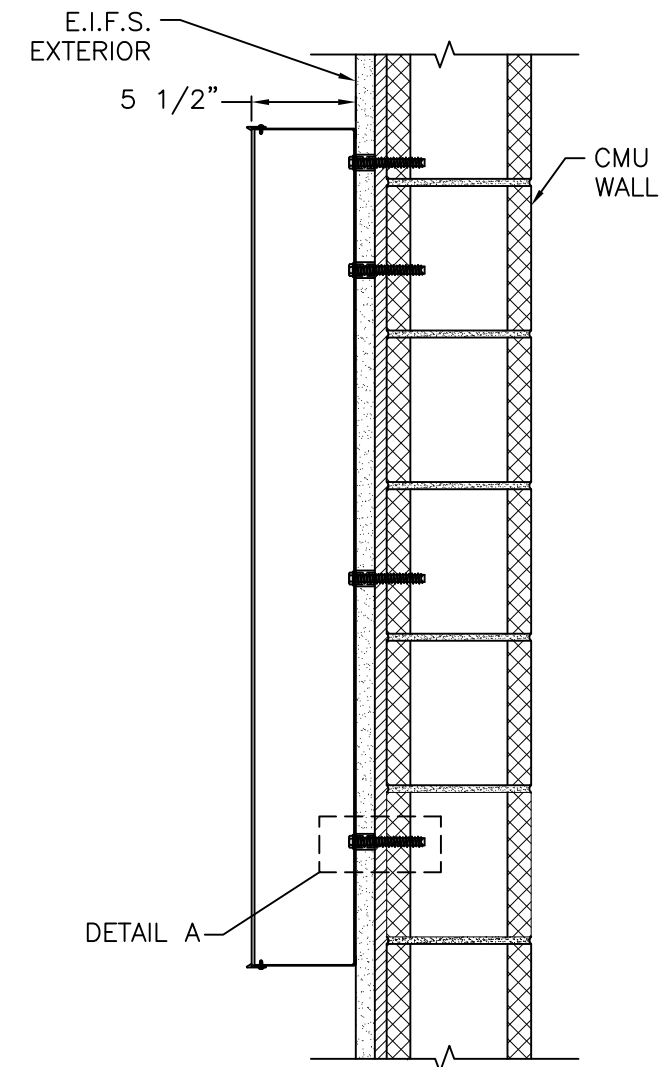
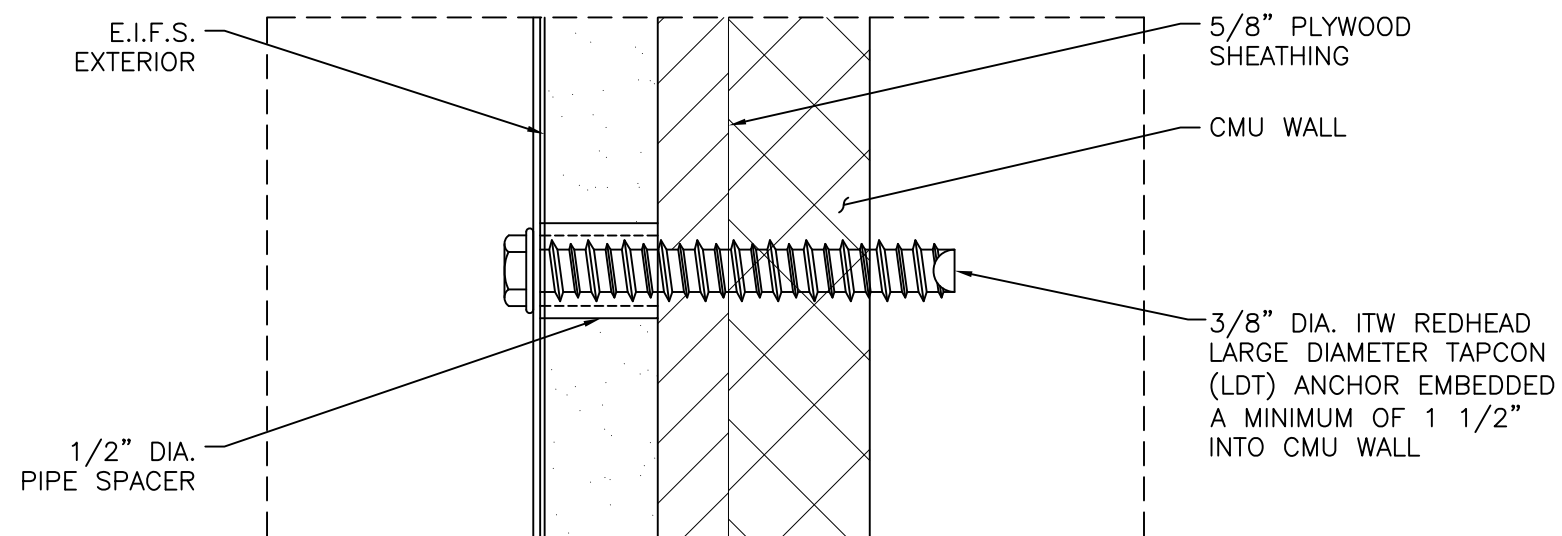


ELEVATION AND MOUNTING LOCATIONS



TYPICAL SECTION



DETAIL A

REDHEAD ANCHOR SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.

INSTALLATION ADDRESS:

CULVER'S
394 N.W. COMMONS LOOP
LAKE CITY, FL 32055

CLIENT:

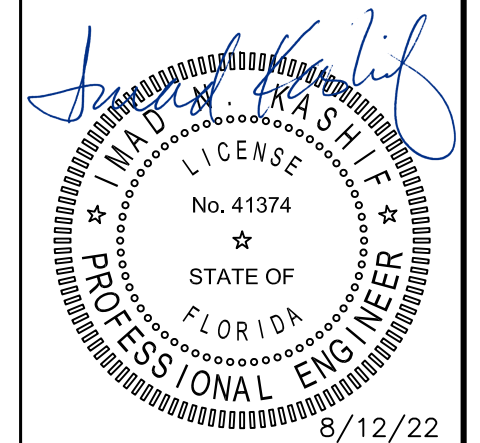


4825 EAST KEARNEY STREET
SPRINGFIELD, MO 65803
417.862.2454 - FAX: 417.862.1887

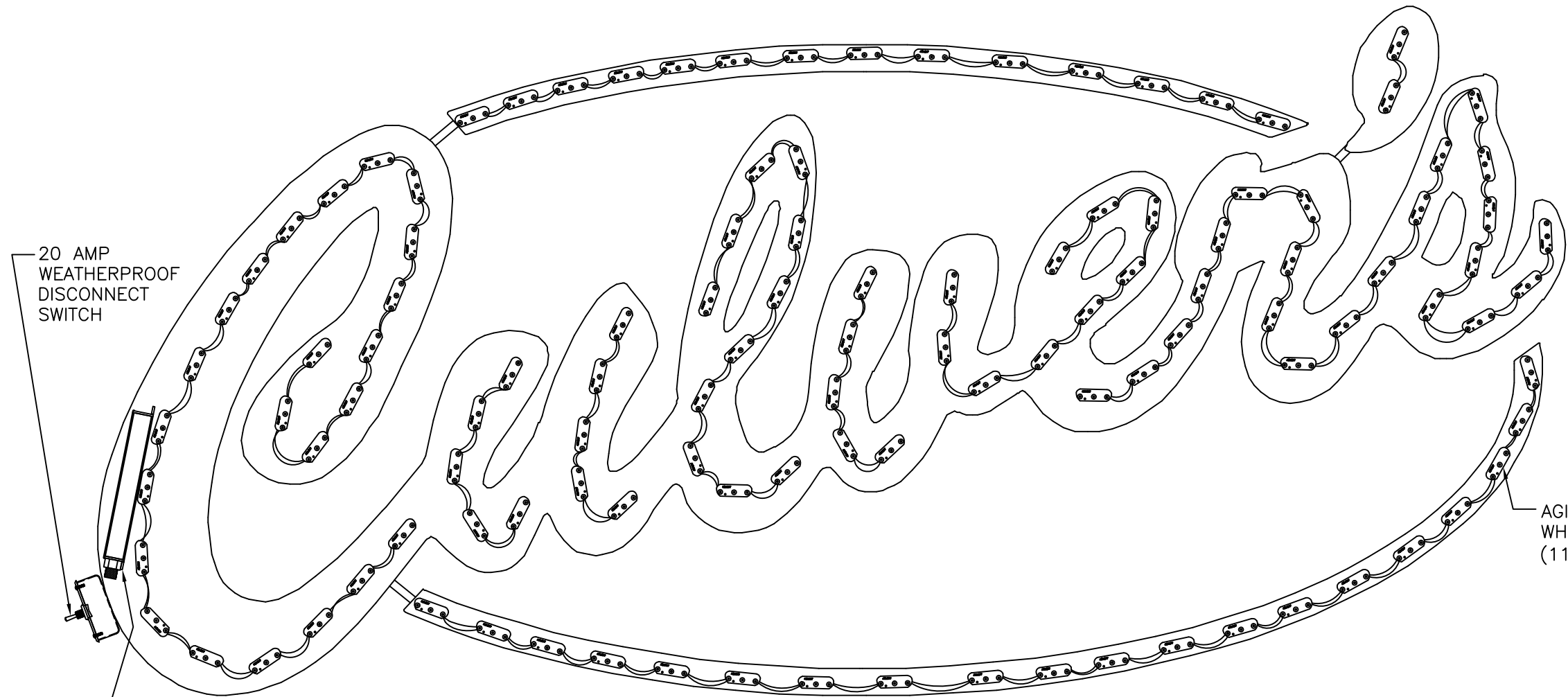
REV	DATE	DESCRIPTION
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2	-/-/-	-----
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FLORIDA STATE LICENSE NO.: 41374
SEAL & SIGNATURE:



Project Number: 22-0282R3		Drawing Number: B186700R2	
SHT. 1	OF 3	DATE: 8/12/22	BY: GHK



20 AMP
WEATHERPROOF
DISCONNECT
SWITCH

AGILIGHT 12V/60W LED POWER SUPPLY
#PS12-60WSL-100-277V @0.63A IN A
WEATHERPROOF POWER SUPPLY
ENCLOSURE

ELECTRICAL ELEVATION

ELECTRICAL REQUIREMENTS:

LEDs: (116) AGILIGHT #LS-CORE-75K-G1
WHITE SIGNRAYZ CORE

POWER SUPPLY: (1) AGILIGHT 12V/60W
#PS12-60W-100-277V
@ 0.63A

TOTAL LOAD: 0.63A @ 120VAC

CIRCUITS: (1) 20 AMP REQUIRED

PHOTOCELL, OR ASTRONOMICAL TIMER
LIGHT CONTROL MANAGEMENT SYSTEM IS
REQUIRED

ELECTRICAL NOTES:

1. ALL ELECTRICAL COMPONENTS ARE UL LISTED AND APPROVED
2. SIGN GROUNDED ACCORDING TO NEC 600.7
3. SIGNS MANUFACTURED AND LISTED NEC 600.3 AND MARKED PER NEC 600.4
4. ALL BRANCH CIRCUITS PER NEC 600.5(B).1 OR (B).2
5. ALL SIGNS SHALL BE CONTROLLED BY PHOTOCELL OR TIME CLOCK
6. ONE VISIBLE 20 AMP DISCONNECT PER SIGN PER CIRCUIT PER NEC 600.6(A).1
7. ALL CLASS 2 RATED LED MODULES AND LED POWER SUPPLIES WILL BE IN COMPLIANCE WITH NATIONALLY RECOGNIZED TEST LABORATORY

INSTALLATION ADDRESS:

CULVER'S
394 N.W. COMMONS LOOP
LAKE CITY, FL 32055

CLIENT:

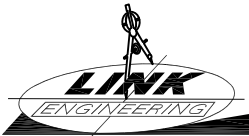
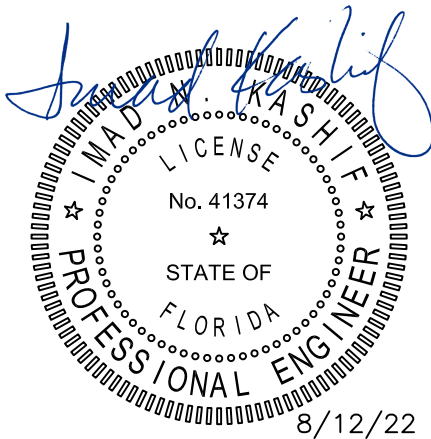


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IMAD N. KASHIF, P.E.
FLORIDA STATE LICENSE NO.: 41374
SEAL & SIGNATURE:



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135 South David Lane • Knoxville, Tennessee 37922
Phone: (865) 539-4001 • www.linkengr.com
Florida State Certificate of Authorization No.: 27148

Project Number: 22-0282R3		Drawing Number: B186700R2	
SHT. 2	OF 3	DATE: 8/12/22	BY: GHK


Calculations for Drawing B186700-B186702				SL-30						22-0282R	
										7/14/2022	
Florida Building Code, 7th Edition (2020)				Cat II						SR	
120 MPH	Exp C	Zone 5	20'-0" maximum above grade								
Treated as Components & Cladding				P =	-23.74	PSF					
Estimate weight at 5 psf											
Region	Area	Area	Est Wt	Wind	Fastener	Top Row	Fastener Row	Cabinet	Max	Average	Avg
	in^2	ft^2	lb	Load	Qty	Qty	Spacing	Depth	Tension	Shear	Ten
Top Curve	96.271	0.669	3.34	-15.87	4	2	2.625	5.500	5.72	0.8	3.97
Apostrophe	37.616	0.261	1.31	-6.20	2	1	4.000	5.500	4.00	0.7	3.10
Letters	1293.694	8.984	44.92	-213.27	17	9	17.125	5.500	13.35	2.6	12.55
Bottom Curve	144.788	1.005	5.03	-23.87	4	2	5.438	5.500	7.24	1.3	5.97
Maximum Fastener Tension =			13.3	LB							
Maximum Fastener Shear =			2.6	LB							
Wall Signage - Treated as Components & Cladding											
Wind Speed	120	mph	From ASCE 7-16, Figure 26.5-1B								
Exposure	C		Zg =		900						
Zone	5		Alpha =		9.5						
Height	20	Ft									
Sign Area	<10	Ft^2									
Determine wind pressure from ASCE 7-16 Chapter 30											
Chapter 30: Wind Loads - Components & Cladding											
p = q* (GCp - Gcpi)				(eq. 30.3-1 or 30.5-1)							
q - 0.00256 * Kz * Kzt * Kd * Ke * V^2				(eq. 26.10-1)							
Kz =	0.90		(Table 26.10-1)								
Kd =	0.85		(Table 26.6-1)								
Kzt =	1		(Section 26.8)								
V =	120										
Ke =	1										
q =	28.26004										
GCp =	-1.4	(From Figure 30.4-1 for h<= 60 ft and from Figure 30.6-1 for h> 60 ft)									
GCp =	+1.0										
p = -39.56 psf											
Load Combination: D + 0.6W			(Section 2.4.1)								
Design Wind Pressure = 0.6W =			-23.74 psf								
Design Wind Pressure = 0.6W =			16.96 psf								

- General Notes:
- Design is based on a 120 mph, 3 second gust wind design per Florida Building Code, 7th Edition (2020). Category II, Exposure C. Components and Cladding, Zone 5.
 - No additional wind catching surfaces are added to the supporting structure. The customer's building engineer is to determine the adequacy of the supporting wall.
 - Sign design is by others.
 - All fasteners shall be zinc coated to prevent corrosion.
 - All penetrations shall be sealed to prevent water intrusion.
 - Wall construction is depicted as reported by client. Should field conditions differ from what is shown on this drawing, cease all work and contact SPRINGFIELD SIGN & NEON immediately for direction. The scope of this engineer does not include onsite observations.
 - LINK Engineering will not be responsible for the safety on this job site before, during or after installation of this structure. It is the responsibility of the owners, contractors and installers to ensure that the installation and erection of this structure is performed using methods that are in full compliance with OSHA regulations.
 - Any deviation from this design or from any part of this drawing, including the General Notes, without prior written consent from LINK Engineering voids this drawing in its entirety.
 - The structure designed on this drawing is intended to be installed at the address shown and should not be used at any other location.

INSTALLATION ADDRESS:

CULVER'S
394 N.W. COMMONS LOOP
LAKE CITY, FL 32055

CLIENT:



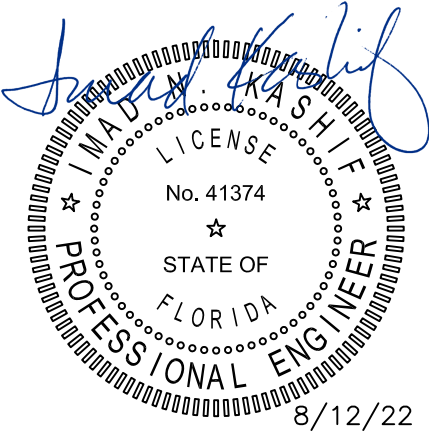
4825 EAST KEARNEY STREET
SPRINGFIELD, MO 65803
417.862.2454 - FAX: 417.862.1887

REV	DATE	DESCRIPTION
1	-/-/-	-----
2	-/-/-	-----
3	-/-/-	-----


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IMAD N. KASHIF, P.E.
FLORIDA STATE LICENSE NO.: 41374

SEAL & SIGNATURE:

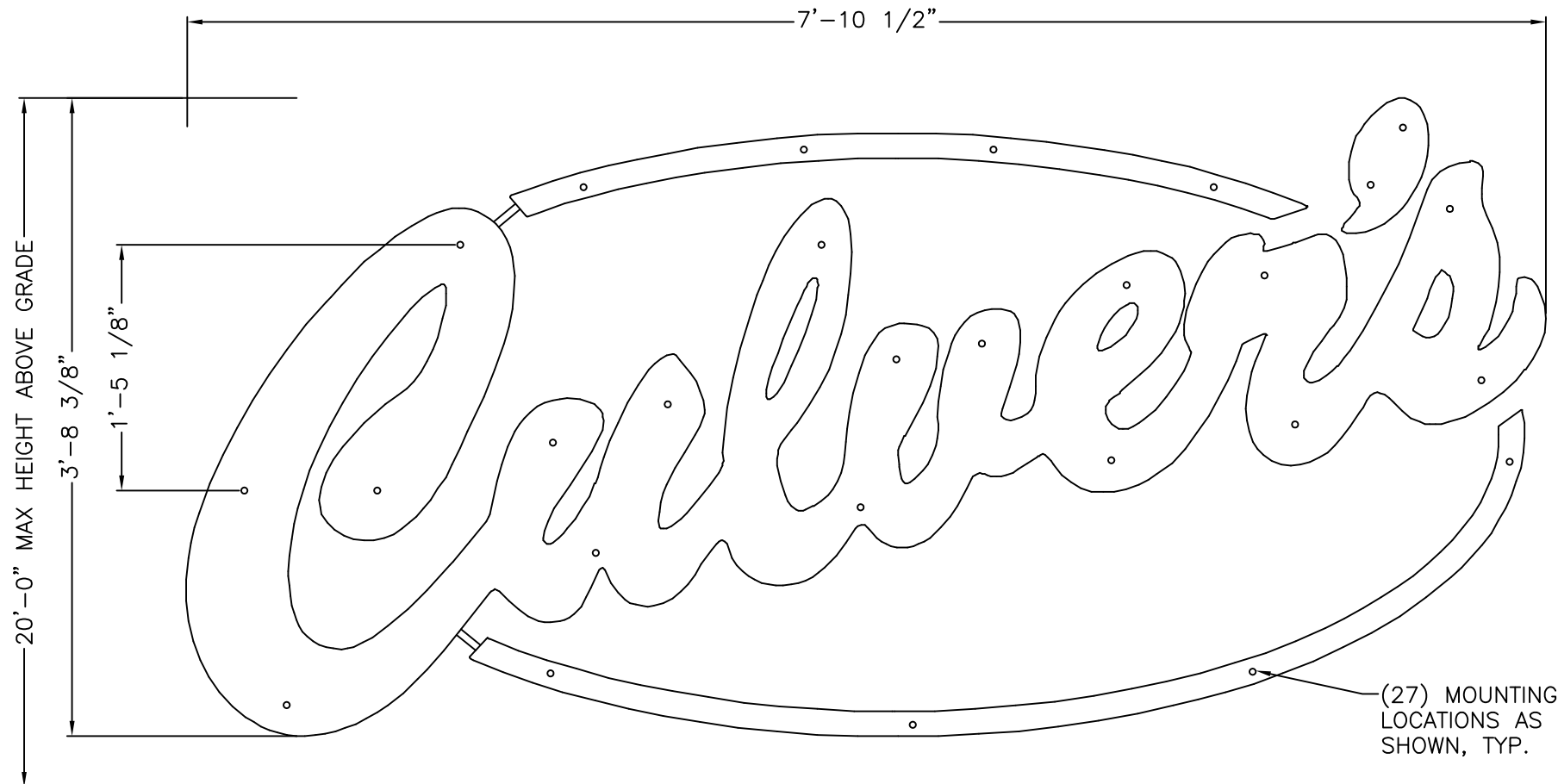


8/12/22

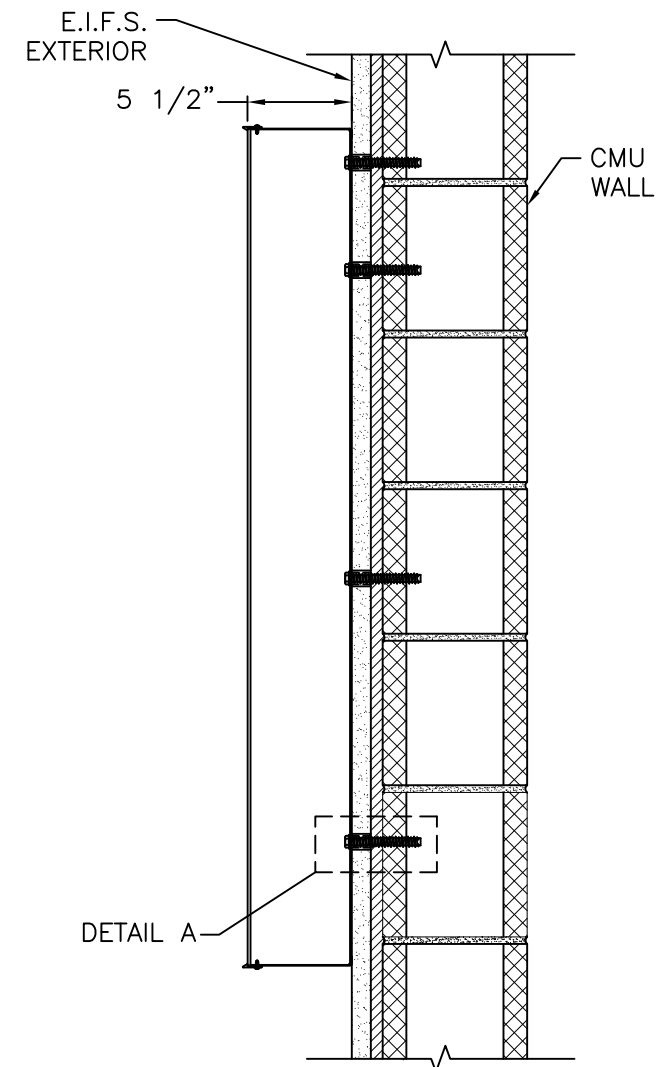


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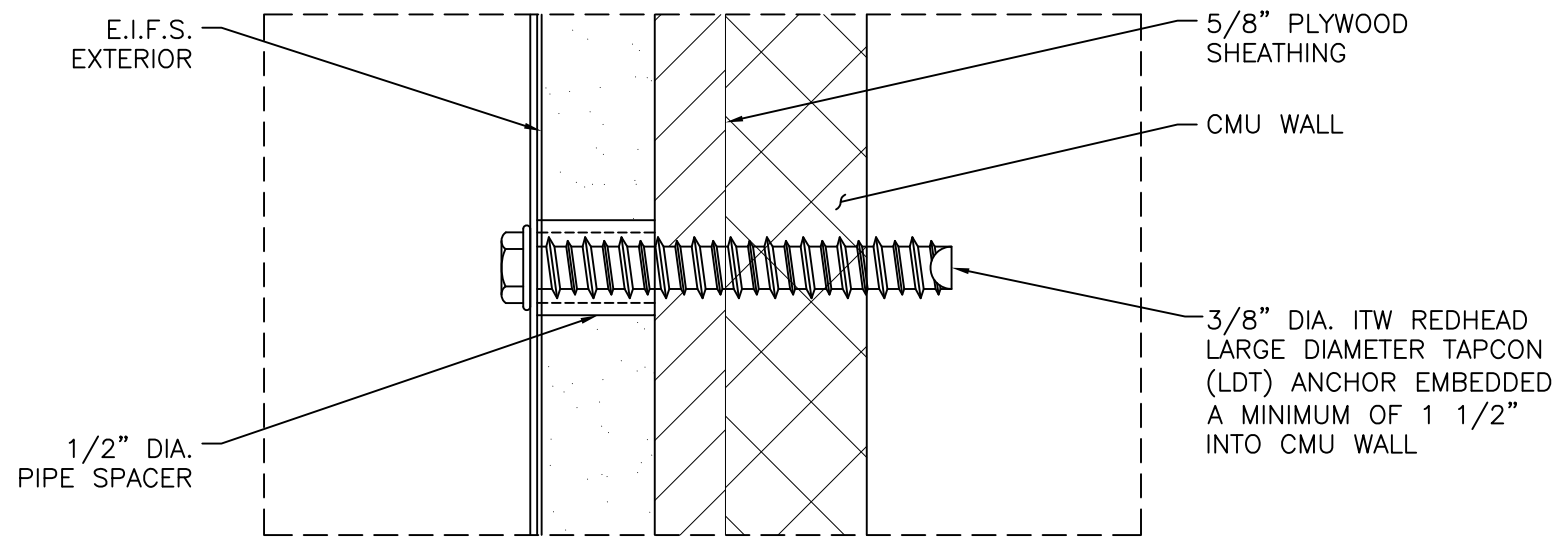
Project Number:		Drawing Number:	
22-0282R3		B186700R2	
SHT.	OF	DATE:	BY:
3	3	8/12/22	GHK



ELEVATION AND MOUNTING LOCATIONS



TYPICAL SECTION



DETAIL A

REDHEAD ANCHOR SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.

INSTALLATION ADDRESS:

CULVER'S
394 N.W. COMMONS LOOP
LAKE CITY, FL 32055

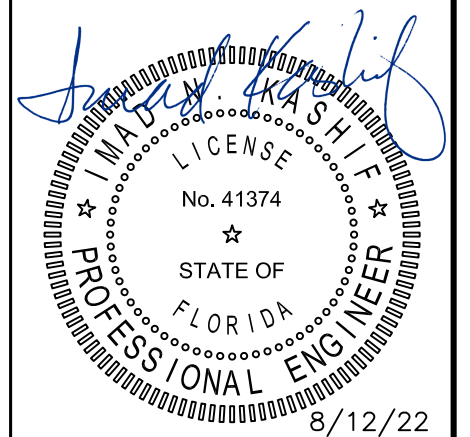
CLIENT:

SPRINGFIELD SIGN
4825 EAST KEARNEY STREET
SPRINGFIELD, MO 65803
417.862.2454 - FAX: 417.862.1887

REV	DATE	DESCRIPTION
1	-/-/-	-----
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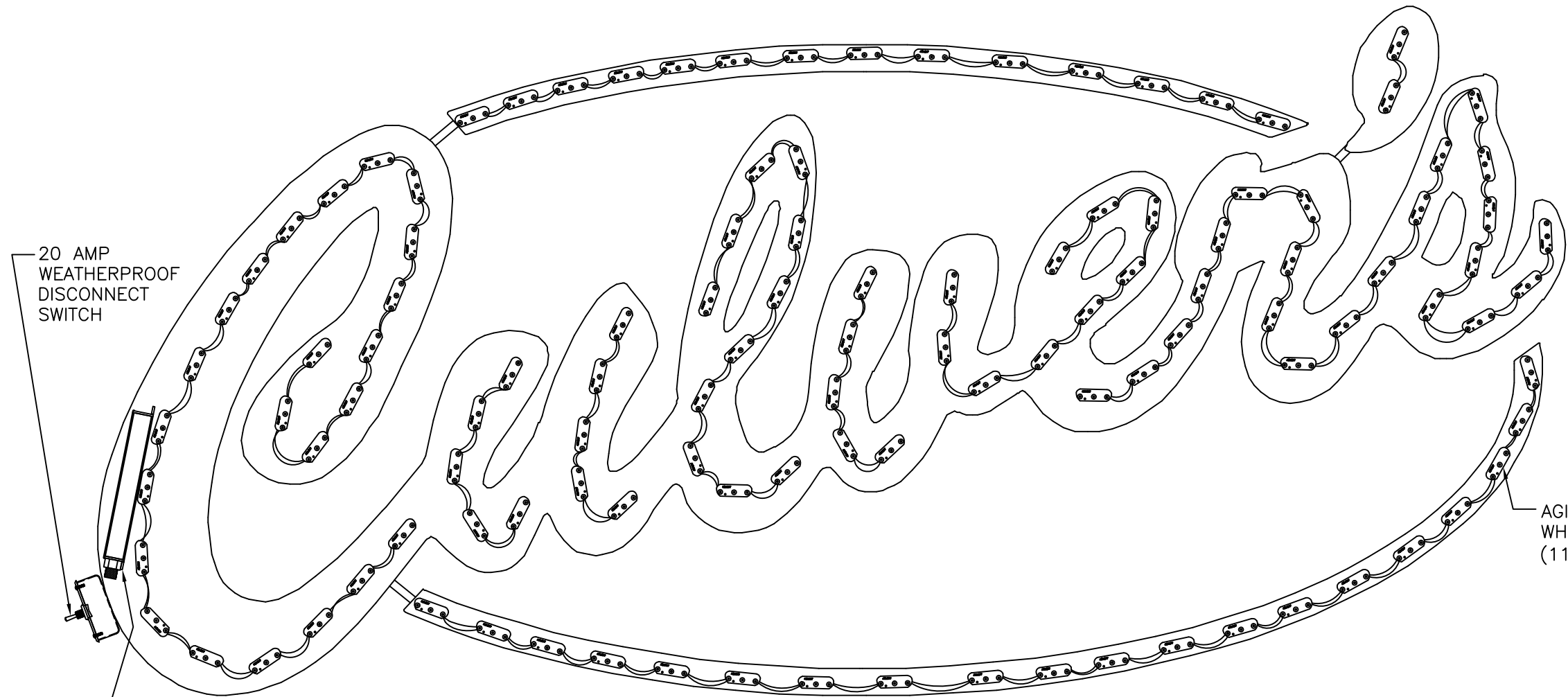
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Phone: (865) 539-4001 • www.linkengr.com
Florida State Certificate of Authorization No.: 27148

Project Number: 22-0282R3		Drawing Number: B186701R2	
SHT. 1	OF 3	DATE: 8/12/22	BY: GHK



20 AMP
WEATHERPROOF
DISCONNECT
SWITCH

AGILIGHT 12V/60W LED POWER SUPPLY
#PS12-60WSL-100-277V @0.63A IN A
WEATHERPROOF POWER SUPPLY
ENCLOSURE

ELECTRICAL ELEVATION

ELECTRICAL REQUIREMENTS:

LEDs: (116) AGILIGHT #LS-CORE-75K-G1
WHITE SIGNRAYZ CORE

POWER SUPPLY: (1) AGILIGHT 12V/60W
#PS12-60W-100-277V
@ 0.63A

TOTAL LOAD: 0.63A @ 120VAC

CIRCUITS: (1) 20 AMP REQUIRED

PHOTOCELL, OR ASTRONOMICAL TIMER
LIGHT CONTROL MANAGEMENT SYSTEM IS
REQUIRED

ELECTRICAL NOTES:

1. ALL ELECTRICAL COMPONENTS ARE UL LISTED AND APPROVED
2. SIGN GROUNDED ACCORDING TO NEC 600.7
3. SIGNS MANUFACTURED AND LISTED NEC 600.3 AND MARKED PER NEC 600.4
4. ALL BRANCH CIRCUITS PER NEC 600.5(B).1 OR (B).2
5. ALL SIGNS SHALL BE CONTROLLED BY PHOTOCELL OR TIME CLOCK
6. ONE VISIBLE 20 AMP DISCONNECT PER SIGN PER CIRCUIT PER NEC 600.6(A).1
7. ALL CLASS 2 RATED LED MODULES AND LED POWER SUPPLIES WILL BE IN COMPLIANCE WITH NATIONALLY RECOGNIZED TEST LABORATORY

INSTALLATION ADDRESS:

CULVER'S
394 N.W. COMMONS LOOP
LAKE CITY, FL 32055

CLIENT:

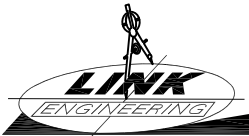
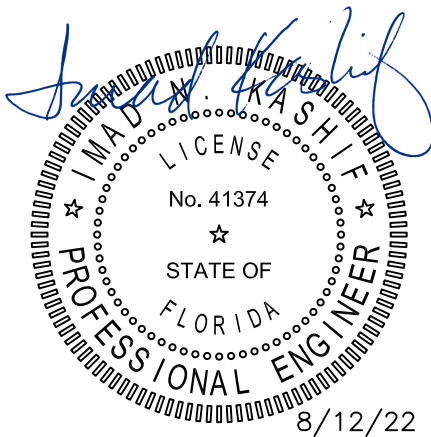


4825 EAST KEARNEY STREET
SPRINGFIELD, MO 65803
417.862.2454 - FAX: 417.862.1887

REV	DATE	DESCRIPTION
1	-/-/-	-----
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FLORIDA STATE LICENSE NO.: 41374
SEAL & SIGNATURE:



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135 South David Lane • Knoxville, Tennessee 37922
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Florida State Certificate of Authorization No.: 27148

Project Number: 22-0282R3		Drawing Number: B186701R2	
SHT. 2	OF 3	DATE: 8/12/22	BY: GHK


Calculations for Drawing B186700-B186702				SL-30						22-0282R	
										7/14/2022	
Florida Building Code, 7th Edition (2020)				Cat II						SR	
120 MPH	Exp C	Zone 5	20'-0" maximum above grade								
Treated as Components & Cladding				P =	-23.74	PSF					
Estimate weight at 5 psf											
Region	Area	Area	Est Wt	Wind		Top Row	Fastener Row	Cabinet	Max	Average	Avg
	in^2	ft^2	lb	Load	Fastener	Fastener	Spacing	Depth	Tension	Shear	Ten
				lb	Qty	Qty	in	in	lb	lb	lb
Top Curve	96.271	0.669	3.34	-15.87	4	2	2.625	5.500	5.72	0.8	3.97
Apostrophe	37.616	0.261	1.31	-6.20	2	1	4.000	5.500	4.00	0.7	3.10
Letters	1293.694	8.984	44.92	-213.27	17	9	17.125	5.500	13.35	2.6	12.55
Bottom Curve	144.788	1.005	5.03	-23.87	4	2	5.438	5.500	7.24	1.3	5.97
Maximum Fastener Tension =			13.3	LB							
Maximum Fastener Shear =			2.6	LB							
Wall Signage - Treated as Components & Cladding											
Wind Speed	120	mph		From ASCE 7-16, Figure 26.5-1B							
Exposure	C			Zg =	900						
Zone	5			Alpha =	9.5						
Height	20	Ft									
Sign Area	<10	Ft^2									
Determine wind pressure from ASCE 7-16 Chapter 30											
Chapter 30: Wind Loads - Components & Cladding											
p = q* (GCp - Gcpi)				(eq. 30.3-1 or 30.5-1)							
q - 0.00256 * Kz * Kzt * Kd * Ke * V^2				(eq. 26.10-1)							
Kz =	0.90		(Table 26.10-1)								
Kd =	0.85		(Table 26.6-1)								
Kzt =	1		(Section 26.8)								
V =	120										
Ke =	1										
q =	28.26004										
GCp =	-1.4	(From Figure 30.4-1 for h<= 60 ft and from Figure 30.6-1 for h> 60 ft)									
GCp =	+1.0										
p = -39.56 psf											
Load Combination:	D + 0.6W		(Section 2.4.1)								
Design Wind Pressure = 0.6W =	-23.74 psf										
Design Wind Pressure = 0.6W =	16.96 psf										

- General Notes:
- Design is based on a 120 mph, 3 second gust wind design per Florida Building Code, 7th Edition (2020). Category II, Exposure C. Components and Cladding, Zone 5.
 - No additional wind catching surfaces are added to the supporting structure. The customer's building engineer is to determine the adequacy of the supporting wall.
 - Sign design is by others.
 - All fasteners shall be zinc coated to prevent corrosion.
 - All penetrations shall be sealed to prevent water intrusion.
 - Wall construction is depicted as reported by client. Should field conditions differ from what is shown on this drawing, cease all work and contact SPRINGFIELD SIGN & NEON immediately for direction. The scope of this engineer does not include onsite observations.
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INSTALLATION ADDRESS:

CULVER'S
394 N.W. COMMONS LOOP
LAKE CITY, FL 32055

CLIENT:



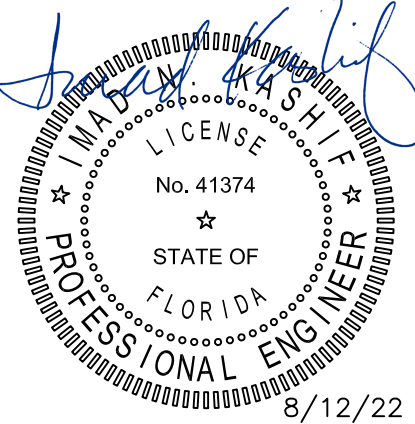
4825 EAST KEARNEY STREET
SPRINGFIELD, MO 65803
417.862.2454 - FAX: 417.862.1887

REV	DATE	DESCRIPTION
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2	-/-/-	-----
3	-/-/-	-----

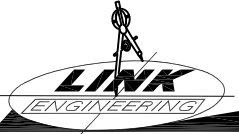
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FLORIDA STATE LICENSE NO.: 41374

SEAL & SIGNATURE:

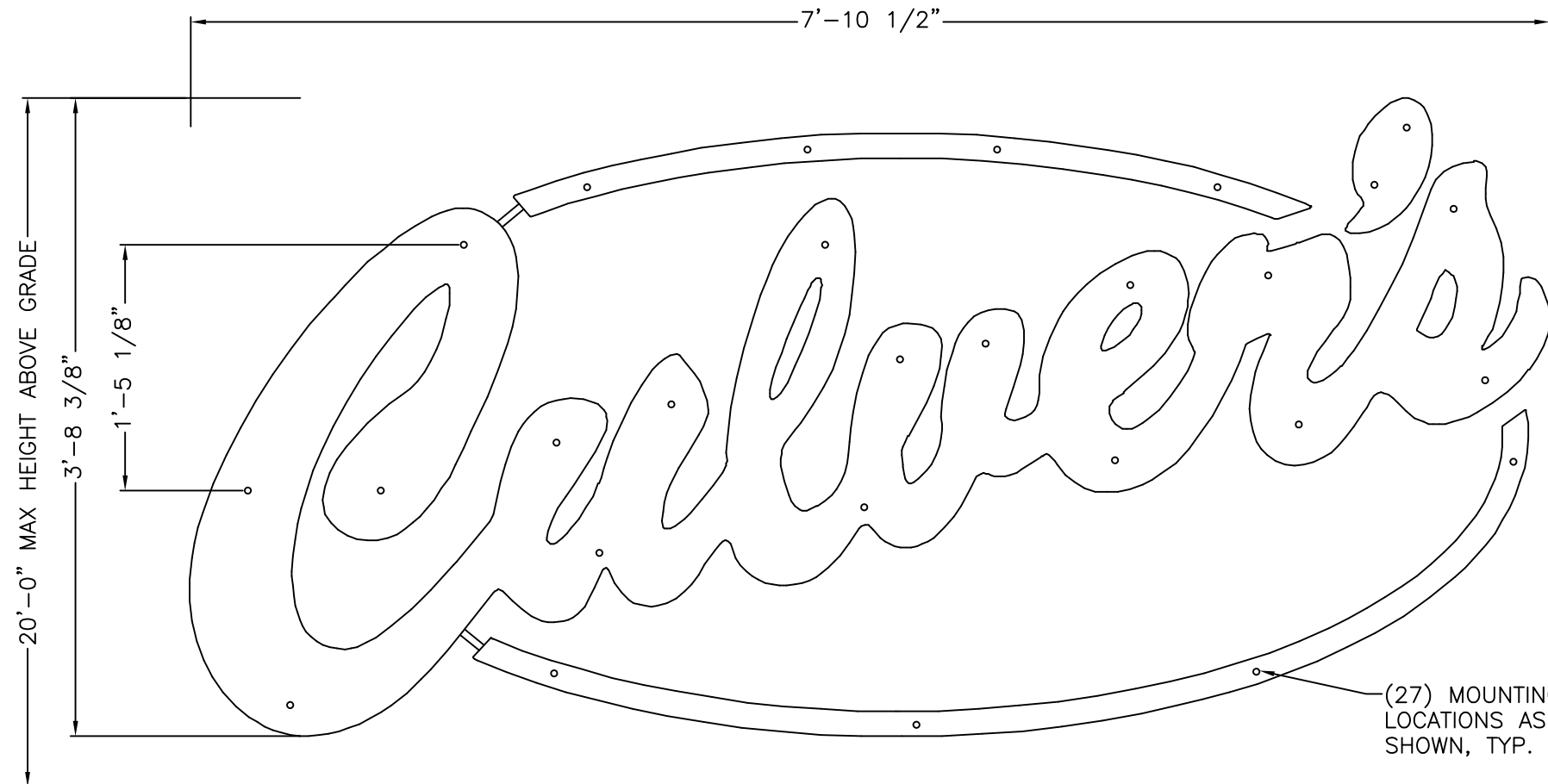


8/12/22

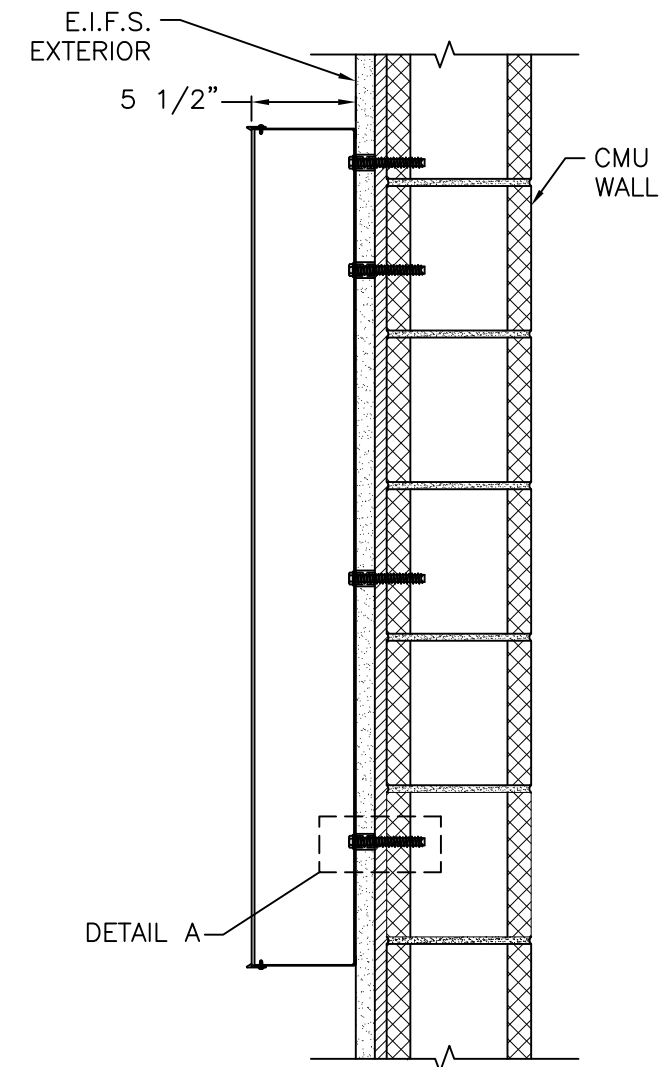


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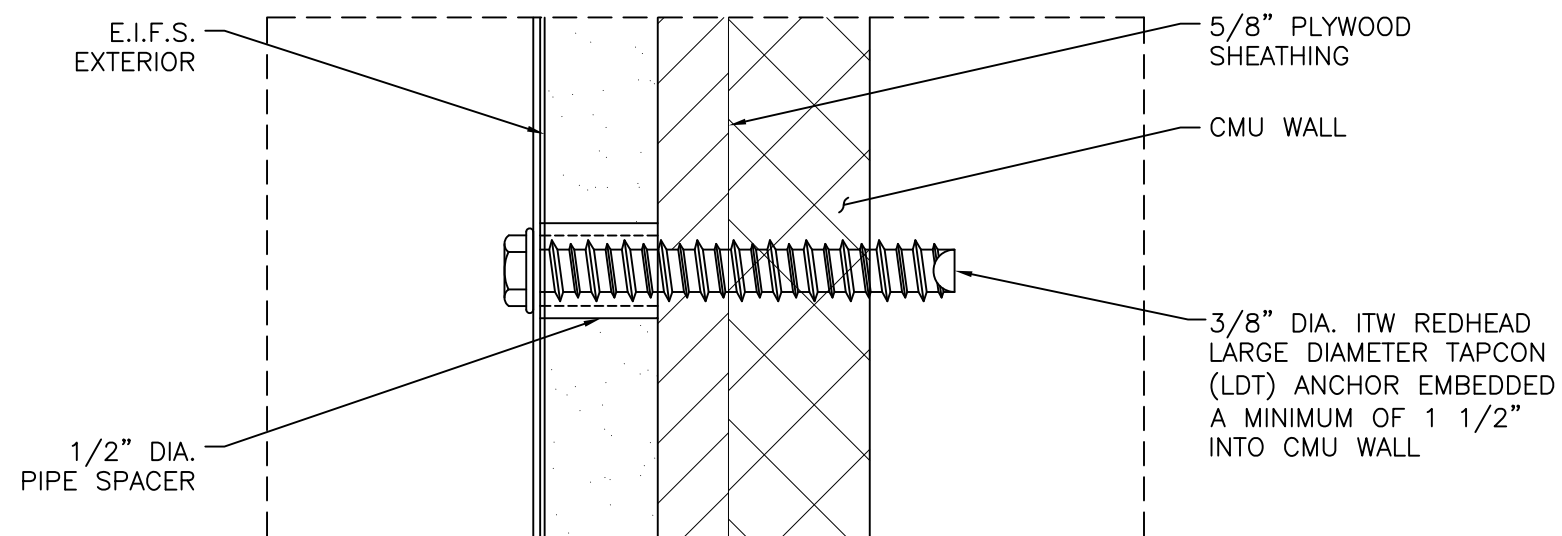
Project Number:		Drawing Number:	
22-0282R3		B186701R2	
SHT.	OF	DATE:	BY:
3	3	8/12/22	GHK



ELEVATION AND MOUNTING LOCATIONS



TYPICAL SECTION



DETAIL A

REDHEAD ANCHOR SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.

INSTALLATION ADDRESS:

CULVER'S
394 N.W. COMMONS LOOP
LAKE CITY, FL 32055

CLIENT:

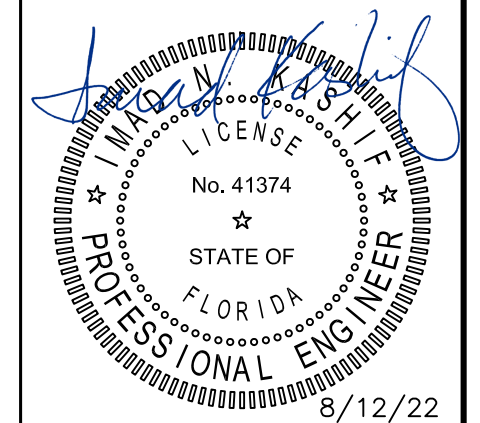


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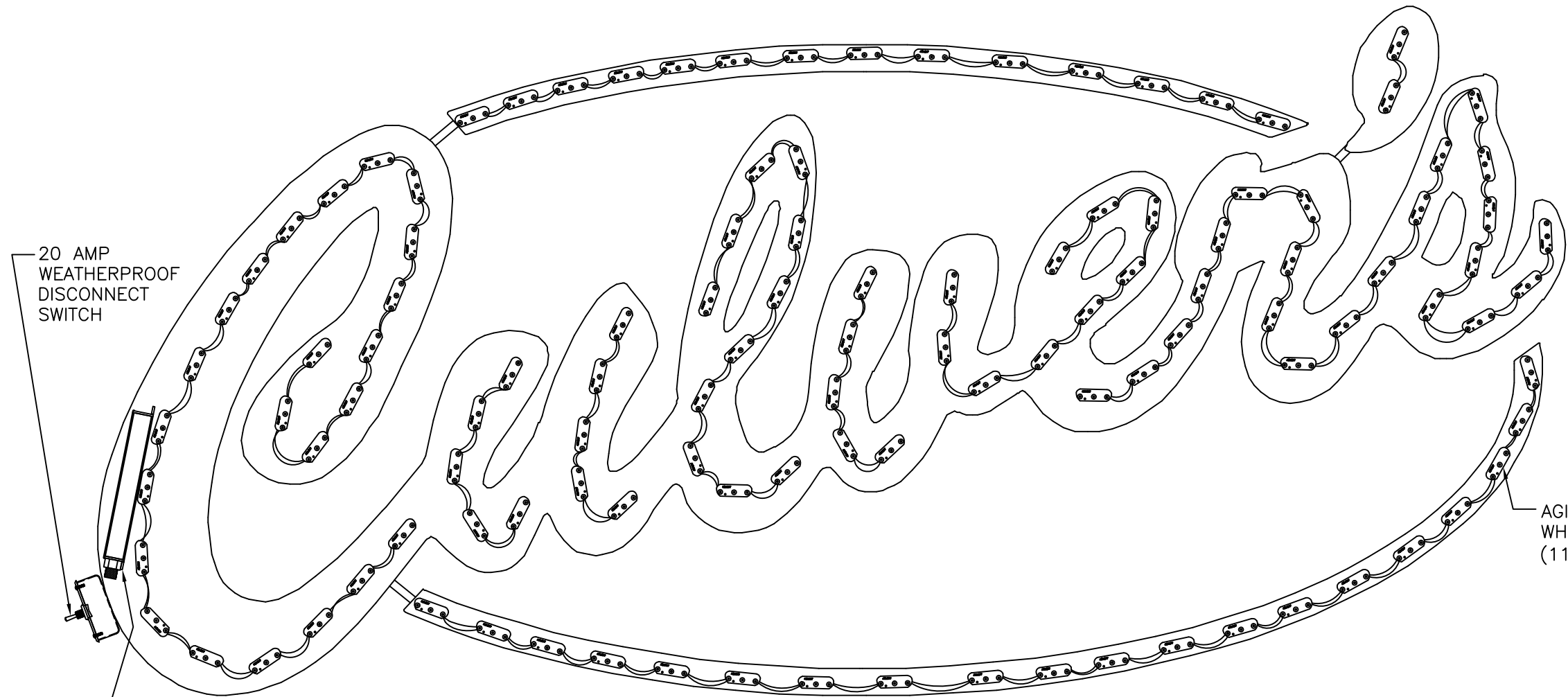
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FLORIDA STATE LICENSE NO.: 41374
SEAL & SIGNATURE:



Project Number:		Drawing Number:	
22-0282R3		B186702R2	
SHT.	OF	DATE:	BY:
1	3	8/12/22	GHK



20 AMP
WEATHERPROOF
DISCONNECT
SWITCH

AGILIGHT 12V/60W LED POWER SUPPLY
#PS12-60WSL-100-277V @0.63A IN A
WEATHERPROOF POWER SUPPLY
ENCLOSURE

ELECTRICAL ELEVATION

ELECTRICAL REQUIREMENTS:

LEDs: (116) AGILIGHT #LS-CORE-75K-G1
WHITE SIGNRAYZ CORE
POWER SUPPLY: (1) AGILIGHT 12V/60W
#PS12-60W-100-277V
@ 0.63A
TOTAL LOAD: 0.63A @ 120VAC
CIRCUITS: (1) 20 AMP REQUIRED

PHOTOCELL, OR ASTRONOMICAL TIMER
LIGHT CONTROL MANAGEMENT SYSTEM IS
REQUIRED

ELECTRICAL NOTES:

1. ALL ELECTRICAL COMPONENTS ARE UL LISTED AND APPROVED
2. SIGN GROUNDED ACCORDING TO NEC 600.7
3. SIGNS MANUFACTURED AND LISTED NEC 600.3 AND MARKED PER NEC 600.4
4. ALL BRANCH CIRCUITS PER NEC 600.5(B).1 OR (B).2
5. ALL SIGNS SHALL BE CONTROLLED BY PHOTOCELL OR TIME CLOCK
6. ONE VISIBLE 20 AMP DISCONNECT PER SIGN PER CIRCUIT PER NEC 600.6(A).1
7. ALL CLASS 2 RATED LED MODULES AND LED POWER SUPPLIES WILL BE IN COMPLIANCE WITH NATIONALLY RECOGNIZED TEST LABORATORY

INSTALLATION ADDRESS:

CULVER'S
394 N.W. COMMONS LOOP
LAKE CITY, FL 32055

CLIENT:

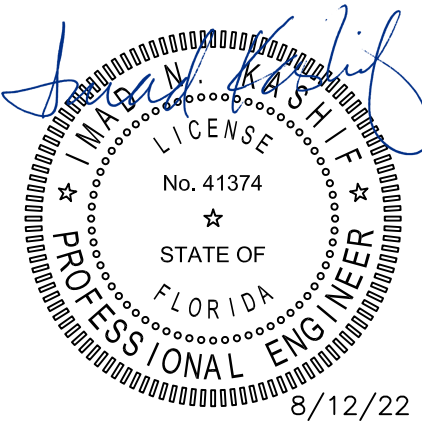


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Project Number: 22-0282R3		Drawing Number: B186702R2	
SHT. 2	OF 3	DATE: 8/12/22	BY: GHK


Calculations for Drawing B186700-B186702				SL-30						22-0282R		
										7/14/2022		
Florida Building Code, 7th Edition (2020)				Cat II						SR		
120 MPH	Exp C	Zone 5	20'-0" maximum above grade									
Treated as Components & Cladding				P =	-23.74	PSF						
Estimate weight at 5 psf												
Region	Area	Area	Est Wt	Wind	Fastener	Fastener	Top Row	Fastener Row	Cabinet	Max	Average	Avg
	in^2	ft^2	lb	Load	Qty	Qty	Spacing	Depth	in	Tension	Shear	Ten
Top Curve	96.271	0.669	3.34	-15.87	4	2	2.625	5.500	5.72	0.8	3.97	
Apostrophe	37.616	0.261	1.31	-6.20	2	1	4.000	5.500	4.00	0.7	3.10	
Letters	1293.694	8.984	44.92	-213.27	17	9	17.125	5.500	13.35	2.6	12.55	
Bottom Curve	144.788	1.005	5.03	-23.87	4	2	5.438	5.500	7.24	1.3	5.97	
Maximum Fastener Tension =			13.3	LB								
Maximum Fastener Shear =			2.6	LB								
Wall Signage - Treated as Components & Cladding												
Wind Speed	120	mph			From ASCE 7-16, Figure 26.5-1B							
Exposure	C				Zg =	900						
Zone	5				Alpha =	9.5						
Height	20	Ft										
Sign Area	<10	Ft^2										
Determine wind pressure from ASCE 7-16 Chapter 30												
Chapter 30: Wind Loads - Components & Cladding												
p = q* (GCp - Gcpi)				(eq. 30.3-1 or 30.5-1)								
q = 0.00256 * Kz * Kzt * Kd * Ke * V^2				(eq. 26.10-1)								
Kz =	0.90		(Table 26.10-1)									
Kd =	0.85		(Table 26.6-1)									
Kzt =	1		(Section 26.8)									
V =	120											
Ke =	1											
q =	28.26004											
GCp =	-1.4	(From Figure 30.4-1 for h<= 60 ft and from Figure 30.6-1 for h> 60 ft)										
GCp =	+1.0											
p = -39.56 psf												
Load Combination:		D + 0.6W		(Section 2.4.1)								
Design Wind Pressure = 0.6W =		-23.74 psf										
Design Wind Pressure = 0.6W =		16.96 psf										

- General Notes:
- Design is based on a 120 mph, 3 second gust wind design per Florida Building Code, 7th Edition (2020). Category II, Exposure C. Components and Cladding, Zone 5.
 - No additional wind catching surfaces are added to the supporting structure. The customer's building engineer is to determine the adequacy of the supporting wall.
 - Sign design is by others.
 - All fasteners shall be zinc coated to prevent corrosion.
 - All penetrations shall be sealed to prevent water intrusion.
 - Wall construction is depicted as reported by client. Should field conditions differ from what is shown on this drawing, cease all work and contact SPRINGFIELD SIGN & NEON immediately for direction. The scope of this engineer does not include onsite observations.
 - LINK Engineering will not be responsible for the safety on this job site before, during or after installation of this structure. It is the responsibility of the owners, contractors and installers to ensure that the installation and erection of this structure is performed using methods that are in full compliance with OSHA regulations.
 - Any deviation from this design or from any part of this drawing, including the General Notes, without prior written consent from LINK Engineering voids this drawing in its entirety.
 - The structure designed on this drawing is intended to be installed at the address shown and should not be used at any other location.

INSTALLATION ADDRESS:

CULVER'S
394 N.W. COMMONS LOOP
LAKE CITY, FL 32055

CLIENT:



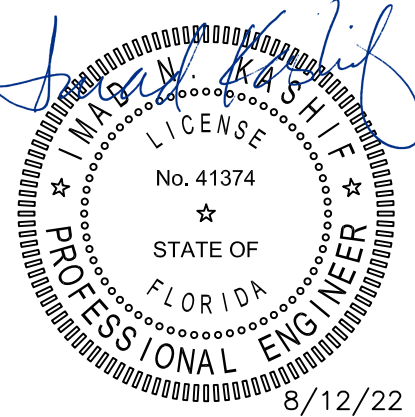
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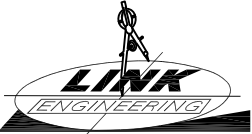
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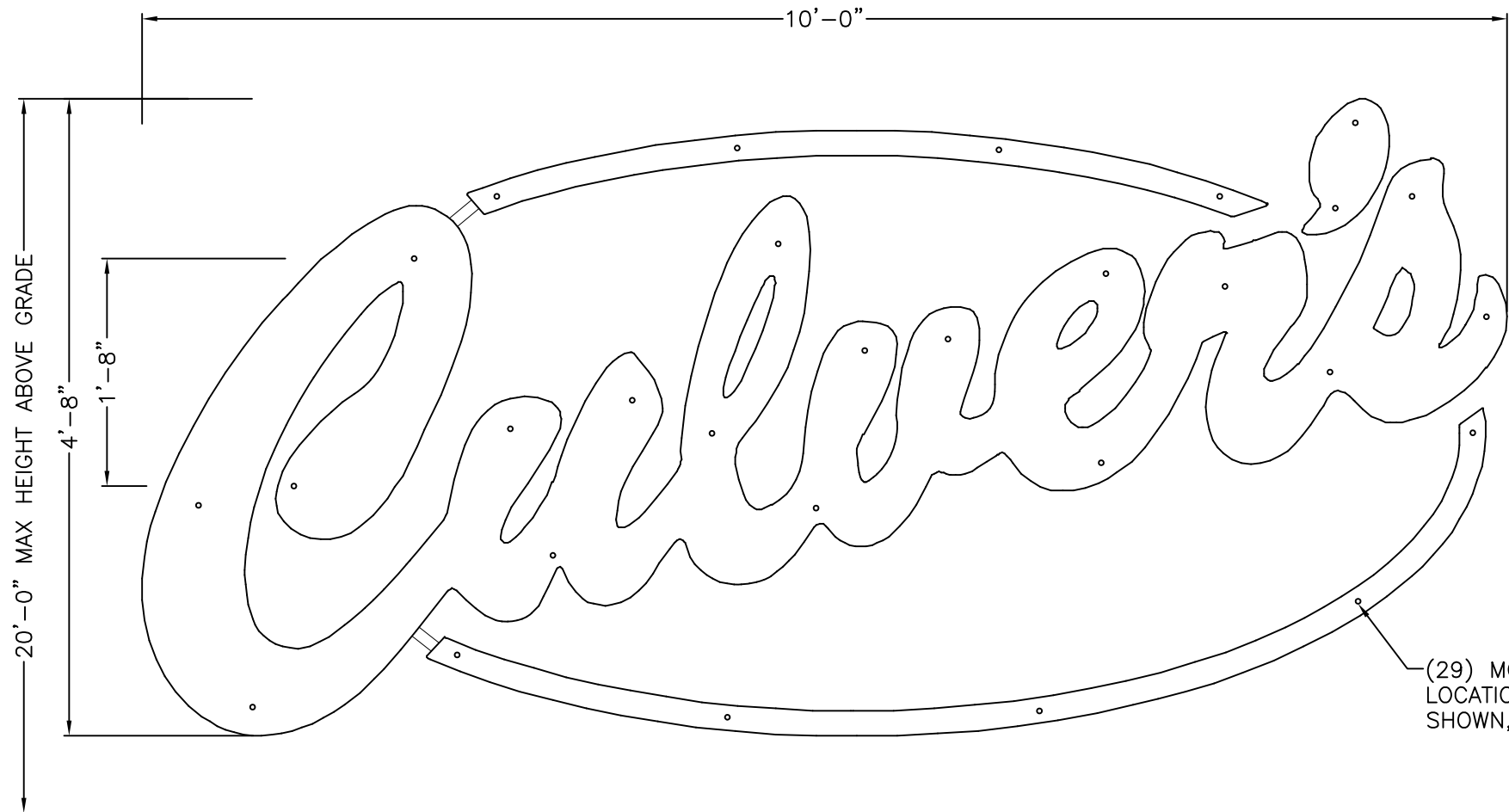


8/12/22

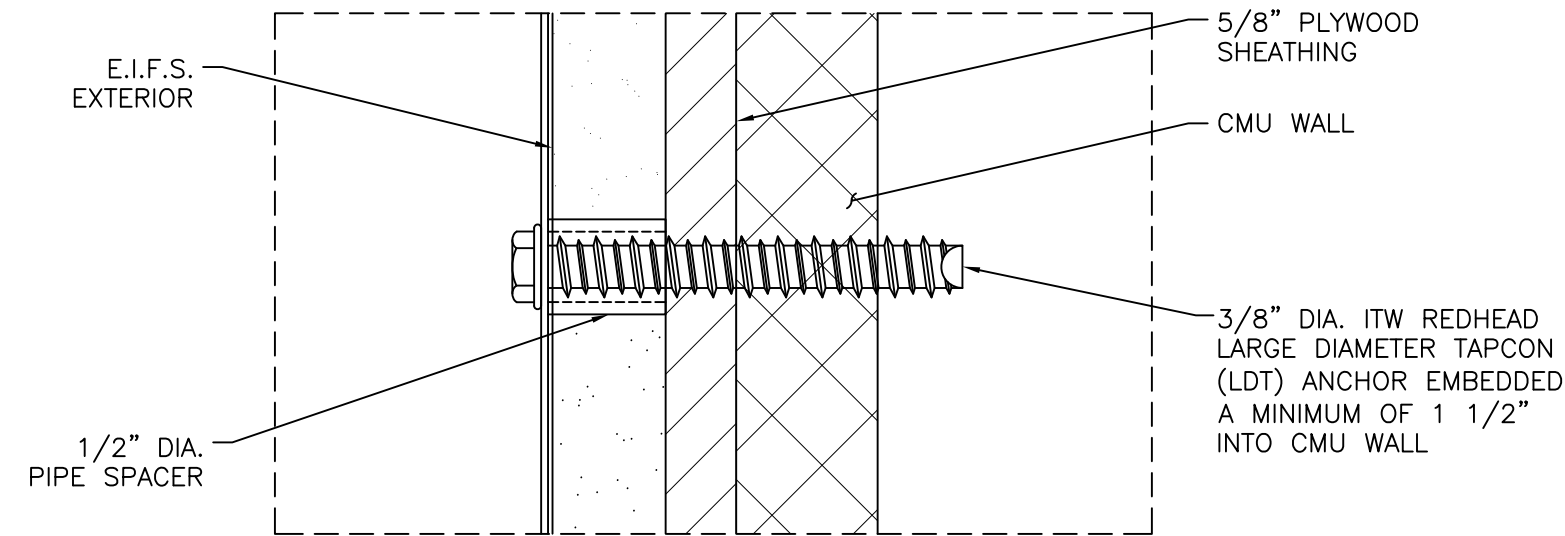


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Project Number:		Drawing Number:	
22-0282R3		B186702R2	
SHT.	OF	DATE:	BY:
3	3	8/12/22	GHK

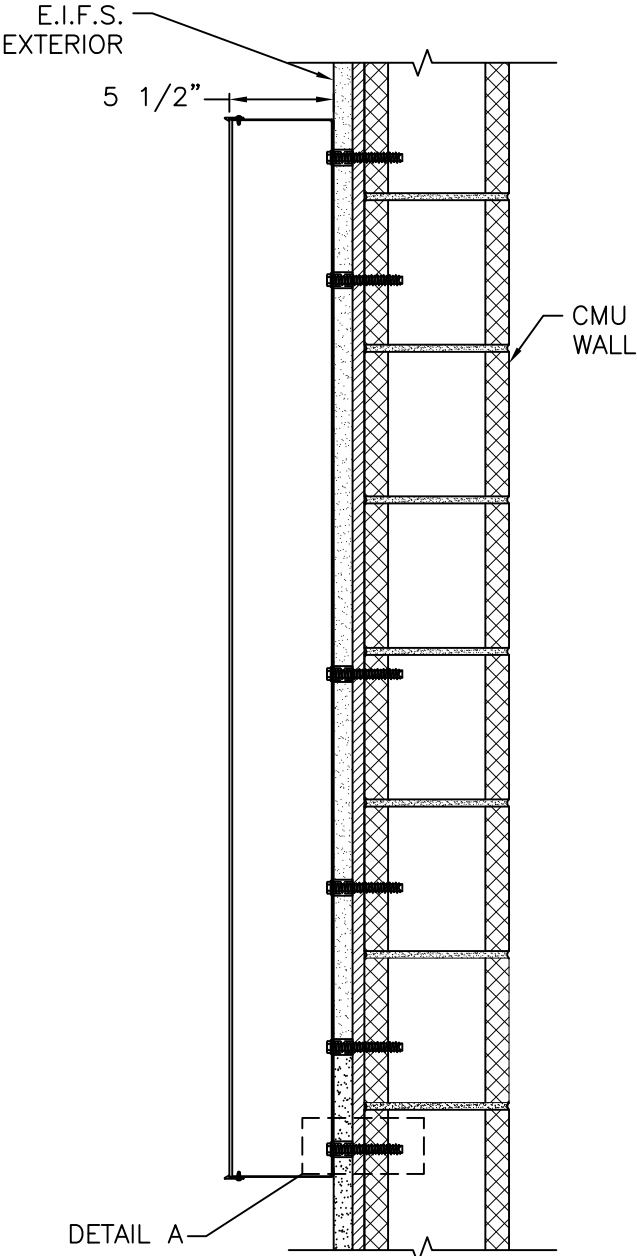


FRONT ELEVATION AND MOUNTING LOCATIONS



DETAIL A

REDHEAD ANCHOR SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.



TYPICAL SECTION

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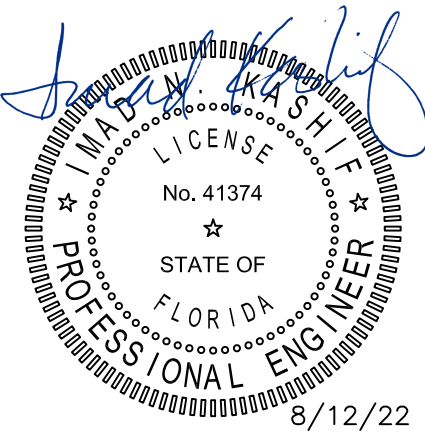
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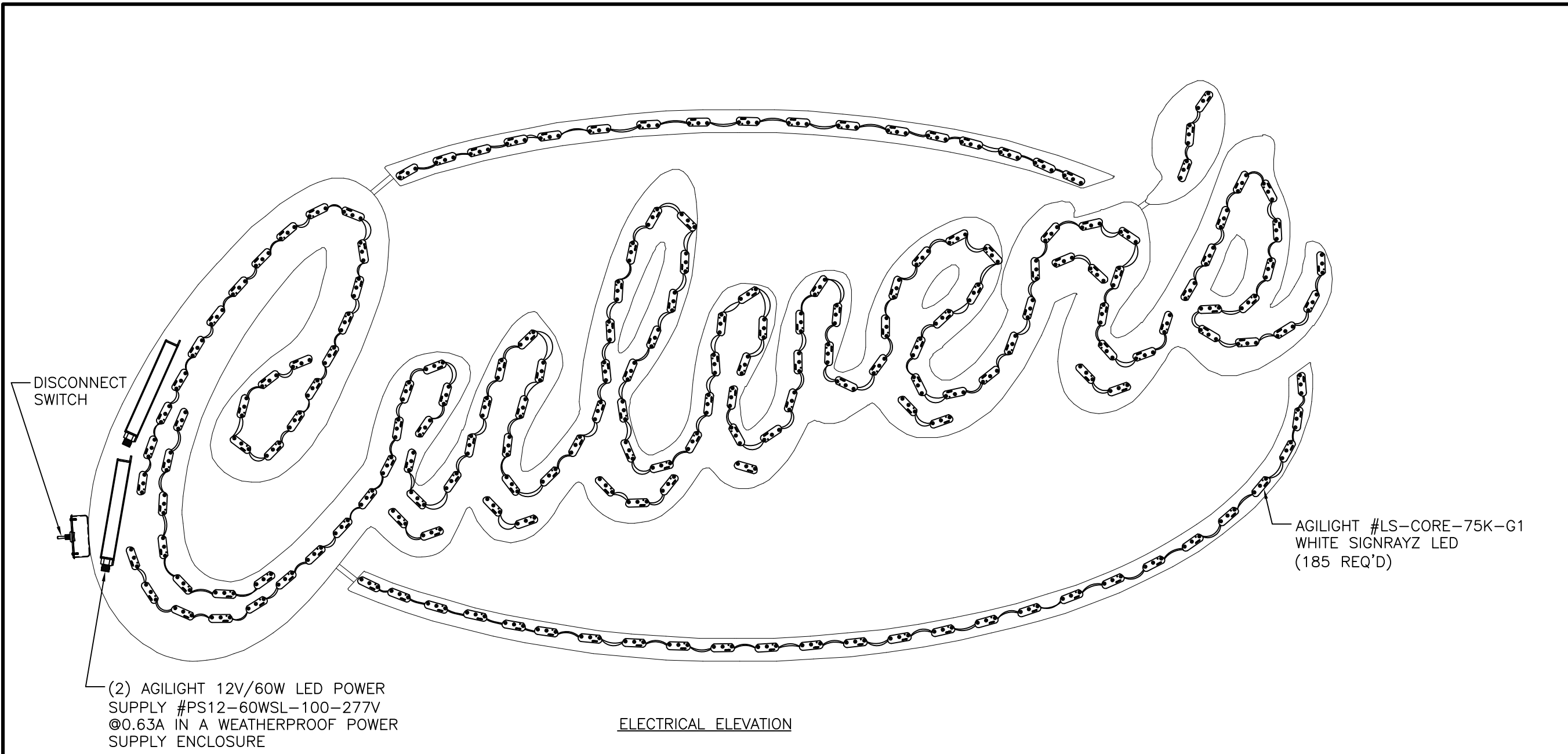
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Project Number: 22-0282R3		Drawing Number: B186703R2	
SHT. 1	OF 3	DATE: 8/12/22	BY: GHK



ELECTRICAL ELEVATION

ELECTRICAL REQUIREMENTS:

LEDS: (185) AGILIGHT #LS-CORE-75K-G1
WHITE SIGNRAYZ CORE

POWER SUPPLY: (2) AGILIGHT 12V/60W
#PS12-60W-100-277V
@ 0.63A

TOTAL LOAD: 1.26A @ 120VAC

CIRCUITS: (1) 20 AMP REQUIRED

PHOTOCELL, OR ASTRONOMICAL TIMER
LIGHT CONTROL MANAGEMENT SYSTEM IS
REQUIRED

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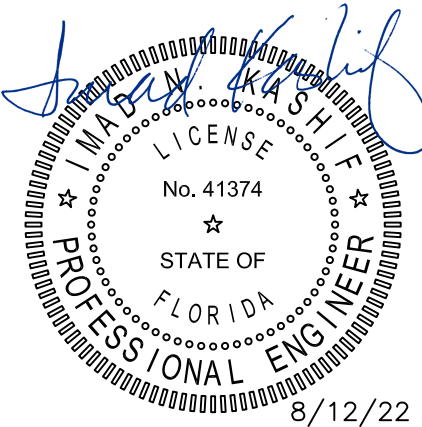


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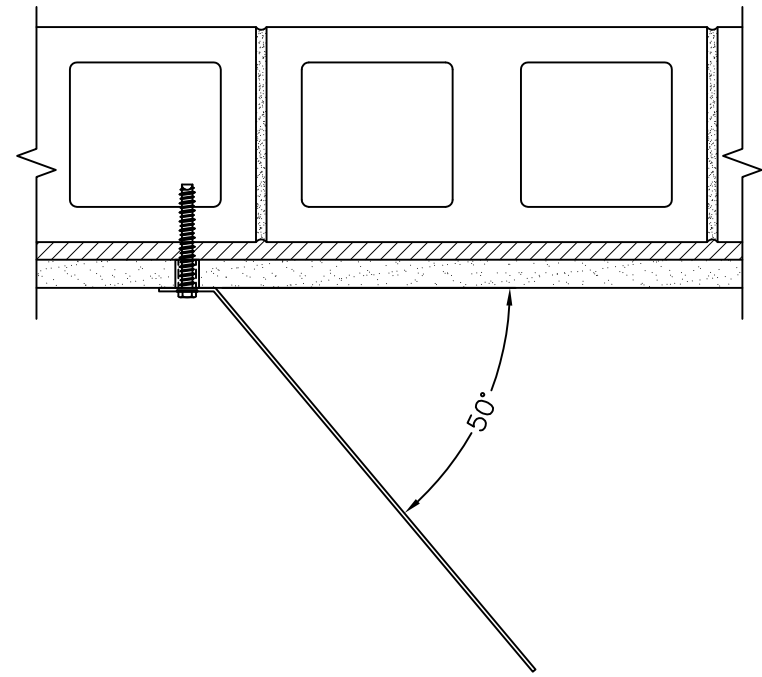
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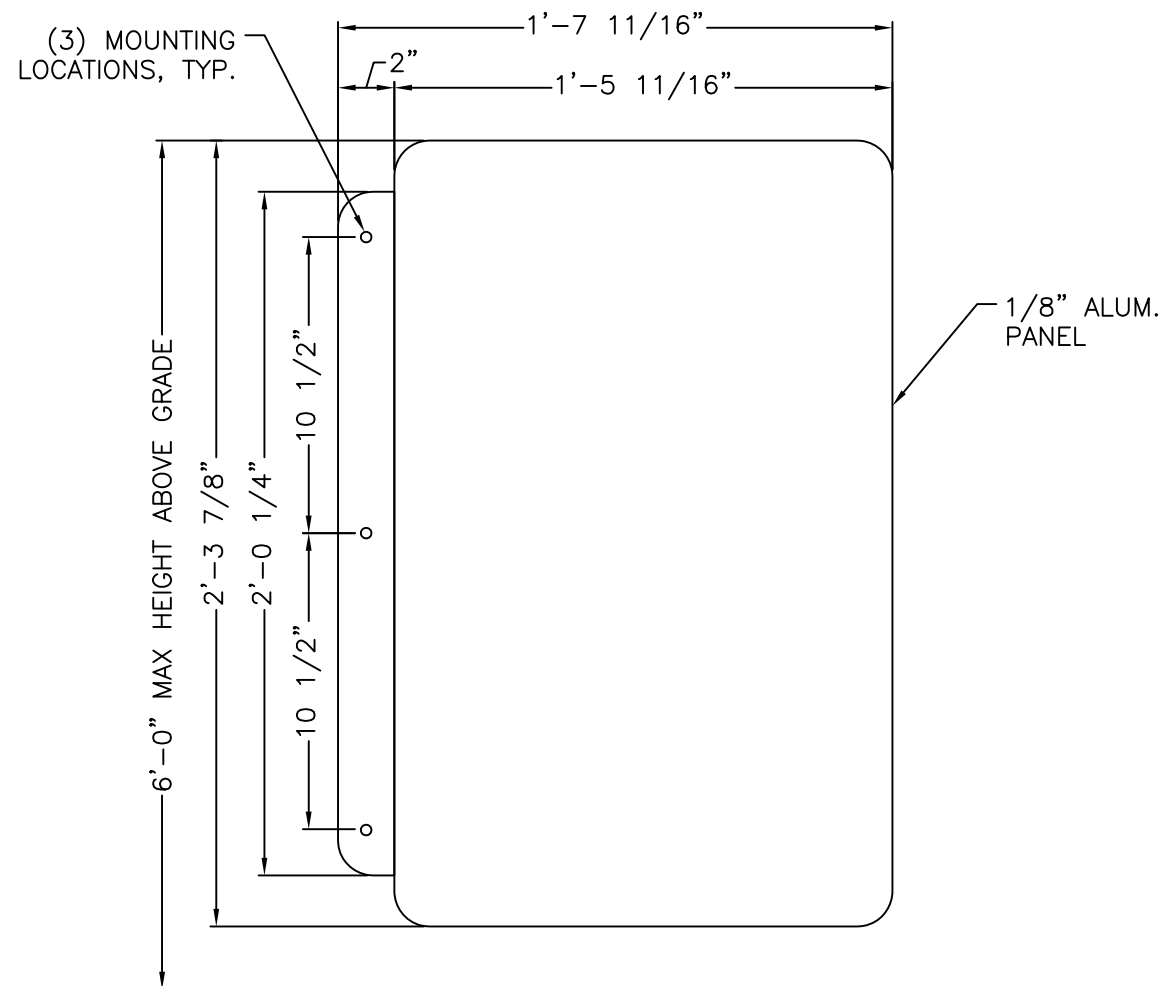
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Project Number: 22-0282R3		Drawing Number: B186703R2	
SHT. 2	OF 3	DATE: 8/12/22	BY: GHK

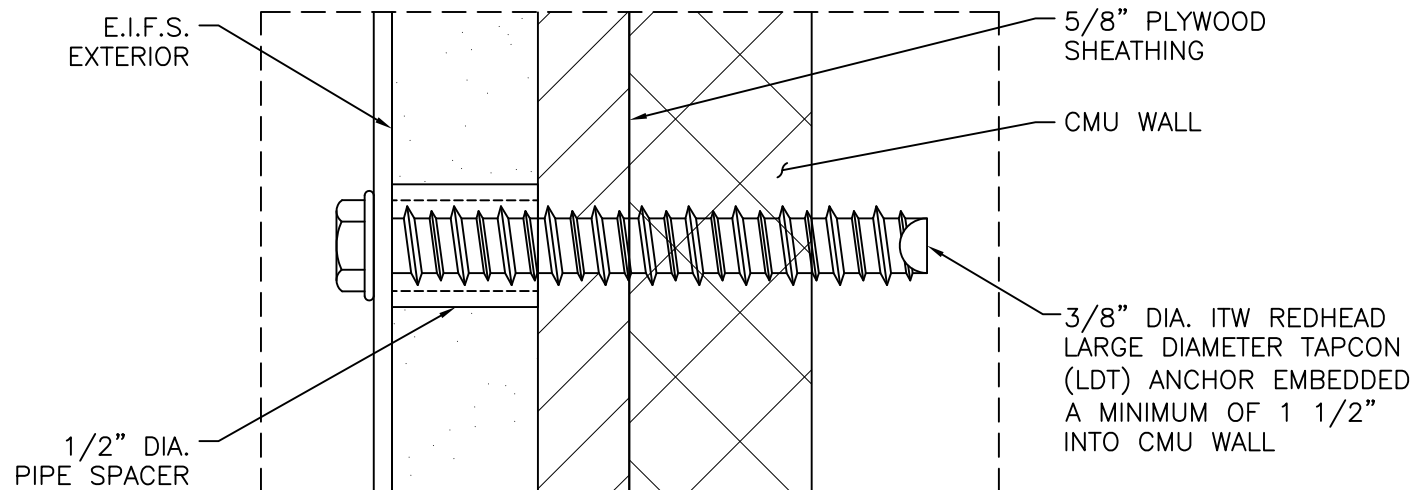
Calculations for Drawing B186703				SL-45						22-0282R	
										7/14/2022	
Florida Building Code, 7th Edition (2020)				Cat II						SR	
120 MPH	Exp C	Zone 5	20'-0" maximum above grade								
Treated as Components & Cladding				P = -23.74		PSF					
Estimate weight at 5 psf											
				Wind		Top Row	Fastener Row	Cabinet	Max	Average	Avg
Region	Area	Area	Est Wt	Load	Fastener	Fastener	Spacing	Depth	Tension	Shear	Ten
	in^2	ft^2	lb	lb	Qty	Qty	in	in	lb	lb	lb
Top Curve	155.237	1.078	5.39	-25.59	4	2	3.563	5.500	8.48	1.3	6.40
Apostrophe	60.656	0.421	2.11	-10.00	2	1	7.500	5.500	5.77	1.1	5.00
Letters	2086.078	14.487	72.43	-343.89	18	9	20.000	5.500	20.21	4.0	19.11
Bottom Curve	233.469	1.621	8.11	-38.49	5	3	8.438	5.500	8.58	1.6	7.70
</											



PLAN VIEW

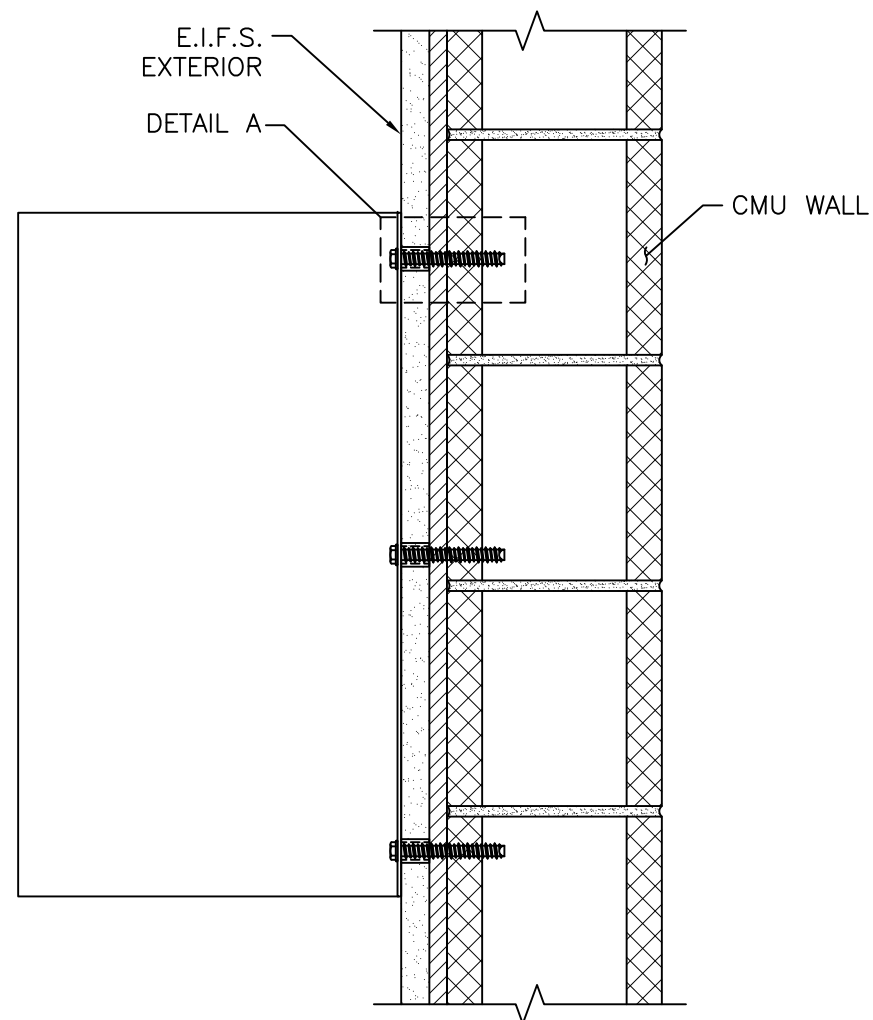


ELEVATION AND MOUNTING LOCATIONS



DETAIL A

REDHEAD ANCHOR SYSTEM TO BE INSTALLED
IN STRICT ACCORDANCE WITH MANUFACTURERS
SPECIFICATIONS AND RECOMMENDATIONS.



TYPICAL SECTION

INSTALLATION ADDRESS:

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LAKE CITY, FL 32055

CLIENT:



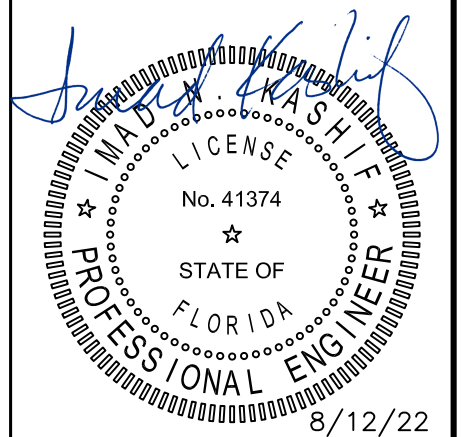
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Project Number: 22-0282R3		Drawing Number: B186704R	
SHT. 1	OF 2	DATE: 8/12/22	BY: GHK

Calculations for Drawing B186704				BB-1 Blade Sign				22-0282R			
Florida Building Code, 7th Edition (2020)				Cat II				7/14/2022			
120 MPH	Exp C	Zone 5	6'-0" maximum above grade				SR				
Treated as Components & Cladding				P = -18.42 PSF							
Estimate weight at 1.5 psf											
Region	Area	Area	Est Wt	Wind		Top Row	Fastener Row	Moment	Max	Average	Avg
	in^2	ft^2	lb	Load	Fastener	Fastener	Spacing	Arm	Tension	Shear	Ten
				lb	Qty	Qty	in	in	lb	lb	lb
Blade Sign	526.775	3.658	5.49	-67.40	3	1	21.000	6.375	114.5251	1.8	22.47
Maximum Fastener Tension =			114.5	LB							
Maximum Fastener Shear =			1.8	LB							
Wall Signage - Treated as Components & Cladding											
Wind Speed	120	mph		From ASCE 7-16, Figure 26.5-1B							
Exposure	C			Zg = 900							
Zone	5			Alpha = 9.5							
Height	6	Ft									
Sign Area	<10	Ft^2									
Determine wind pressure from ASCE 7-16 Chapter 30											
Chapter 30: Wind Loads - Components & Cladding											
p = q* (GCp - Gcpi)				(eq. 30.3-1 or 30.5-1)							
q - 0.00256 * Kz * Kzt * Kd * Ke * V^2				(eq. 26.10-1)							
Kz = 0.70				(Table 26.10-1)							
Kd = 0.85				(Table 26.6-1)							
Kzt = 1				(Section 26.8)							
V = 120											
Ke = 1											
q = 21.93274											
GCp = -1.4				(From Figure 30.4-1 for h<= 60 ft and from Figure 30.6-1 for h> 60 ft)							
GCp = +1.0											
p = -30.71 psf											
Load Combination: D + 0.6W				(Section 2.4.1)							
Design Wind Pressure = 0.6W =				-18.42 psf							
Design Wind Pressure = 0.6W =				13.16 psf							

General Notes:

- Design is based on a 120 mph, 3 second gust wind design per Florida Building Code, 7th Edition (2020). Category II, Exposure C. Components and Cladding, Zone 5.
- No additional wind catching surfaces are added to the supporting structure. The customer's building engineer is to determine the adequacy of the supporting wall.
- Sign design is by others. Electrical design is by others. All fasteners shall be zinc coated to prevent corrosion.
- All penetrations shall be sealed to prevent water intrusion.
- Wall construction is depicted as reported by client. Should field conditions differ from what is shown on this drawing, cease all work and contact SPRINGFIELD SIGN & NEON immediately for direction. The scope of this engineer does not include onsite observations.
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CLIENT:

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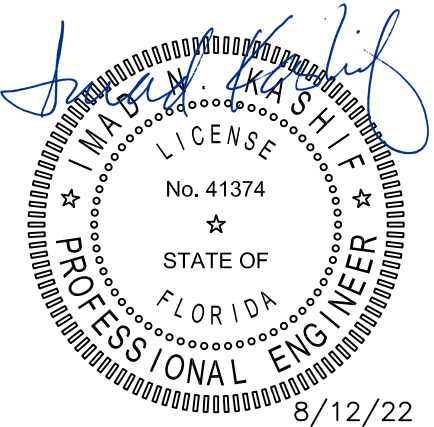
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Project Number: 22-0282R3		Drawing Number: B186704R	
SHT. 2	OF 2	DATE: 8/12/22	BY: GHK