

Puma | Block 5B, Assembly Row, Somerville, MA | Design Development | June 24, 2020

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Proposed Building Sign  
See pages 1B.1-1B.11

A Site Plan  
Scale: Not to Scale



Assembly Row  
Somerville, MA

Project: 16286  
Puma

Sales: Gary McCoy  
Date: 5.30.19  
Designer: JN

Note:  
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Revisions:  
6/24/20 JN R3A - Steel Platform as built info added; updated LED layout lighting configuration

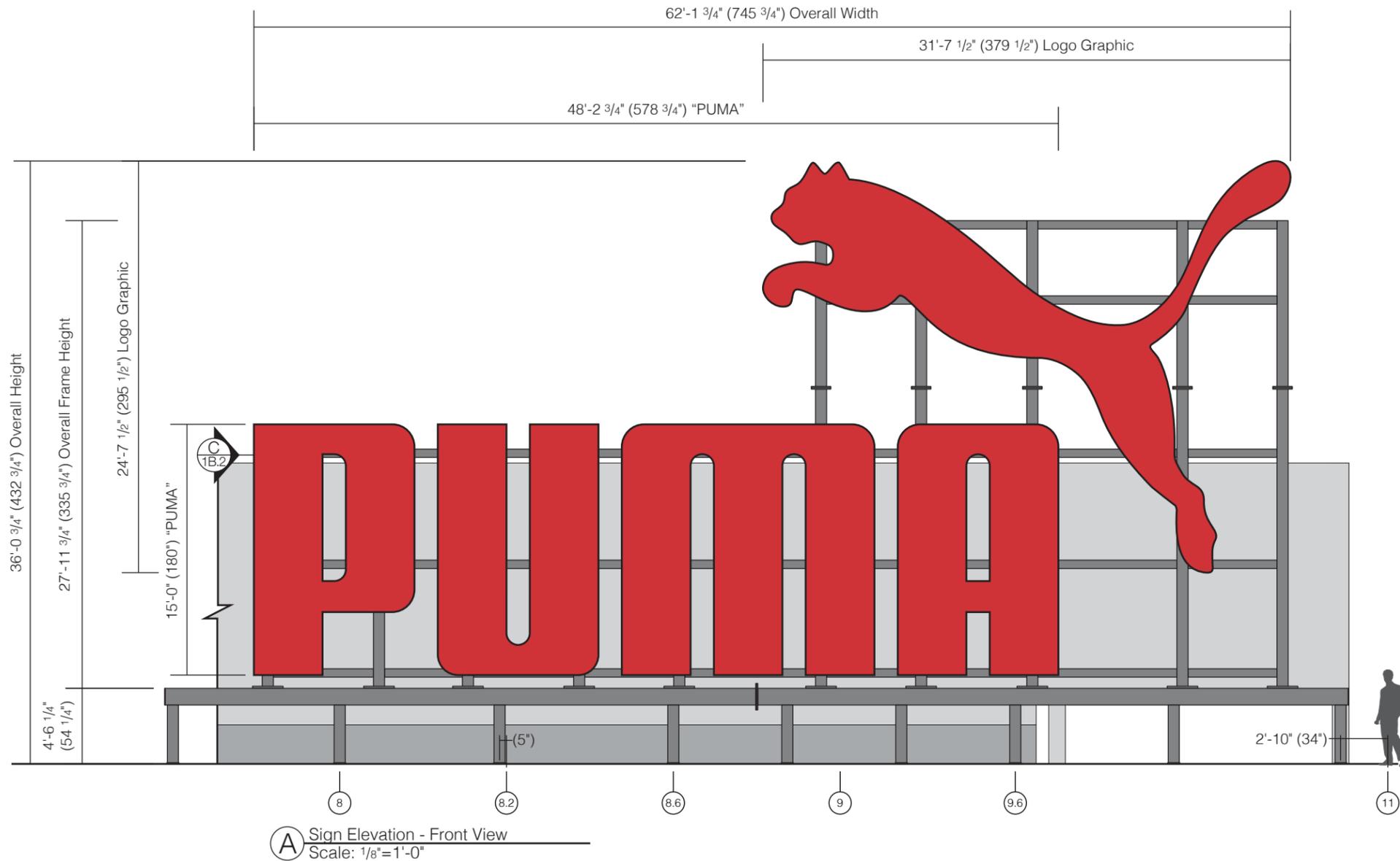


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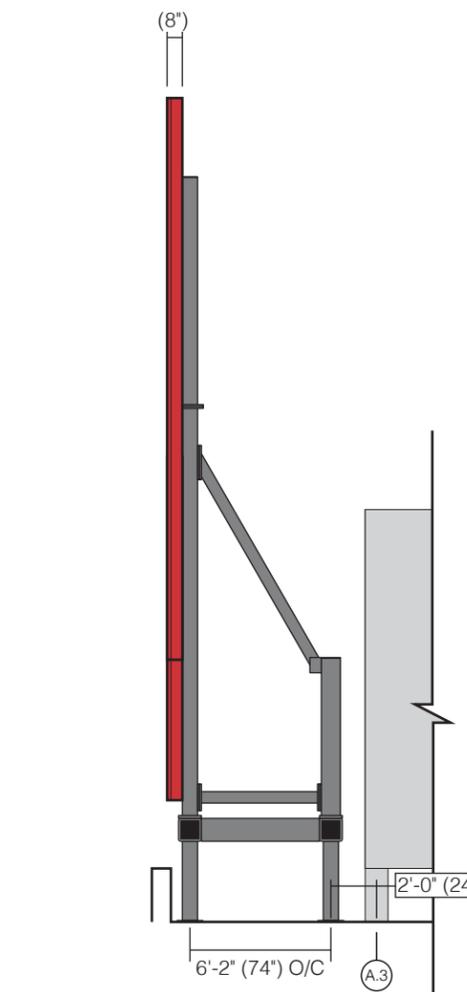
Approved By:

Date:

Site Plan



**A** Sign Elevation - Front View  
Scale: 1/8"=1'-0"



**B** Sign Elevation - Side View  
Scale: 1/8"=1'-0"

**Specifications**

Qty = 1 2,170 Sq Ft

Single Face Internally Illuminated Building Sign

**No. 1 Logo**

- 8" Deep custom fabricated internally illuminated remote wired channel letters
- .090 (3003 alloy) hand formed aluminum returns; painted red; reinforced along the profile perimeter with 1 1/2" x 1 1/2" x 3/16" kerf-cut aluminum angle
- Letter returns supported by interior 1 1/2" x 1 1/2" x 3/16" alum.
- Letter backs to be 1/8" aluminum sheet with welded seams; painted red
- 2" x 2" custom fabricated retainers; 1/8" routed aluminum face, and .090 aluminum returns, painted red; fastened to letter returns with hex head screws; painted red
- Inside of letters to be painted white with light enhancement paint
- 3/16" White polycarbonate faces with translucent red vinyl applied first surface
- Lap seams required with stainless steel stitching

- Faces will be hung from 1 1/2" x 1 1/2" x 3/16" aluminum perimeter angle welded inside letter
- White LED illumination; mounted to 3mm ACM baffles spaced 5" from face with alum. frame
- Remote wired power supplies to be concealed within galvanized transformer boxes mounted to metal lattice
- Channel Letters to be mounted to galvanized steel post lattice structure with 5" x 5" x 1/2" steel angle \*See (C/1B.2)
- Sign to be serviceable from behind

**Steel Lattice Structure**

- Sign structure mounted to existing steel platform
- 8" x 8" x 1/4" Square vertical steel columns welded to 12" x 22" x 1 1/2" thick steel plates
- Steel columns secured to steel platform with (Qty:8) 1" steel through bolts per column; \*See (H/1B.5)
- 6" x 6" x 3/16" Square steel spreaders secured to 8" columns with 6" x 6" x 3/4" x 6" L steel clips with steel through bolts
- Structure to be supported by (Qty:5) kicker supports at the back \*See (J/1B.6; K/1B.7)
- Additional structure to support logo at the top to be mounted to 8" column with (Qty:10) 14" x 14" x 1" thick

square steel match plates welded to columns and secured together with (Qty:4) 3/4" steel through bolts per plate; \*See (G/1B.5)

- \*See Page 1B.10 for LED layout
- \*See Page 1B.11 Conceptual Renderings
- \*Engineering required for lattice structure to support channel letters and all mounting hardware
- \*Electrical primary feed brought to location by others
- \*120V primary power
- \*All electrical from letters to run through exterior liquid tight to galvanized electrical box
- \*All steel to be galvanized
- \*All connections to be pre-fit in the shop

**Colors & Materials**

**Paint**

- Red; Satin Finish to match PMS 1797 C \*Customer to Approve

**Vinyl**

- Red Translucent 3M 3630-33



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New Bedford, MA 02745  
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Exterior Roof Sign  
West Elevation

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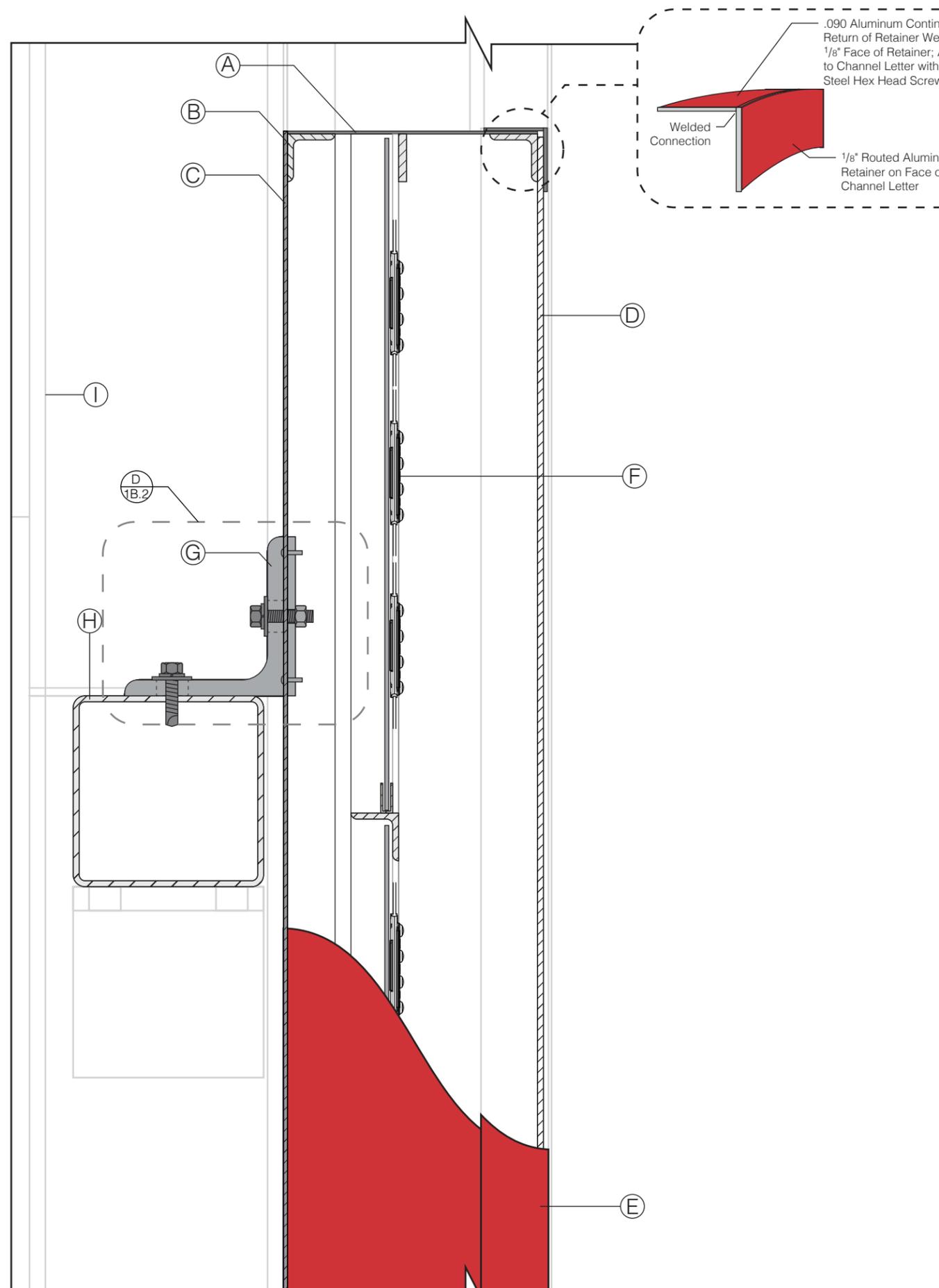


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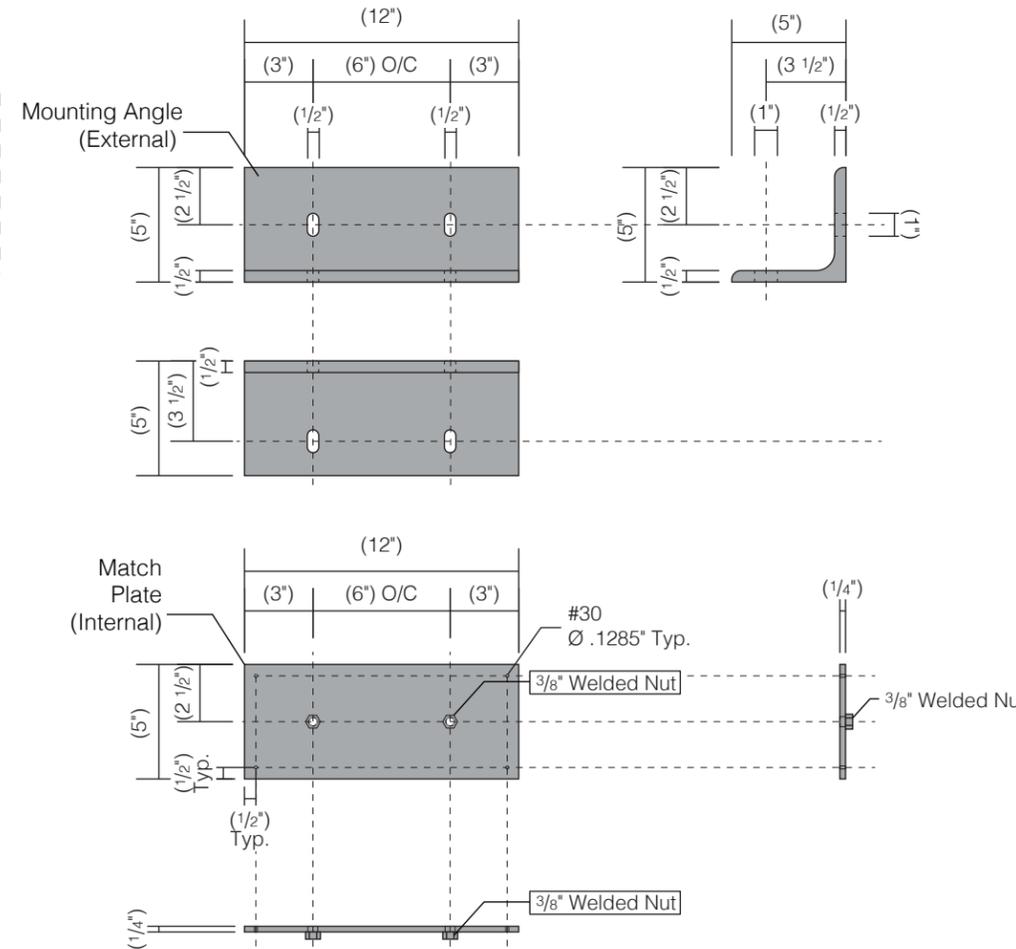
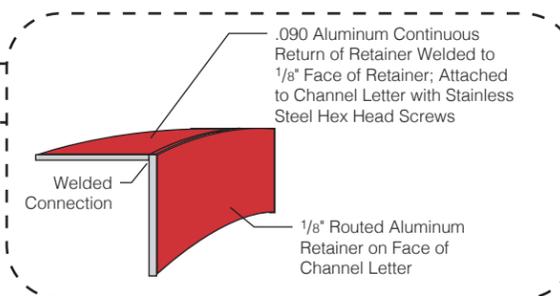
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**C** Channel Letter Detail - Side Section View  
Scale: 3"=1'-0"



**D** Channel Letter Mounting Method - Typical  
Scale: 1 1/2"=1'-0"

- A** .090 (3003 Alloy) Hand Formed Aluminum Return (Weep Holes at Bottom)
- B** 1 1/2" x 1 1/2" x 3/16" Aluminum Angle Reinforcement
- C** 1/8" Thick Aluminum Letter Back - with Removable Panel for Service
- D** 3/16" Thick White Polycarbonate Face with Translucent Vinyl Applied First Surface
- E** 2" x 2" Fabricated Aluminum Retainers (1/8" at Face .090 Return)
- F** White LED Illumination Mounted to 3mm ACM Baffles; Positioned 5" from Face with Aluminum Supports
- G** Method of Attachment 5" x 5" x 1/2" Steel Angle with Corresponding Steel Match Plate on Interior of Letter
- H** 6" x 6" x 3/16" Square Steel Spreader
- I** 8" x 8" x 1/4" Square Steel Vertical Column



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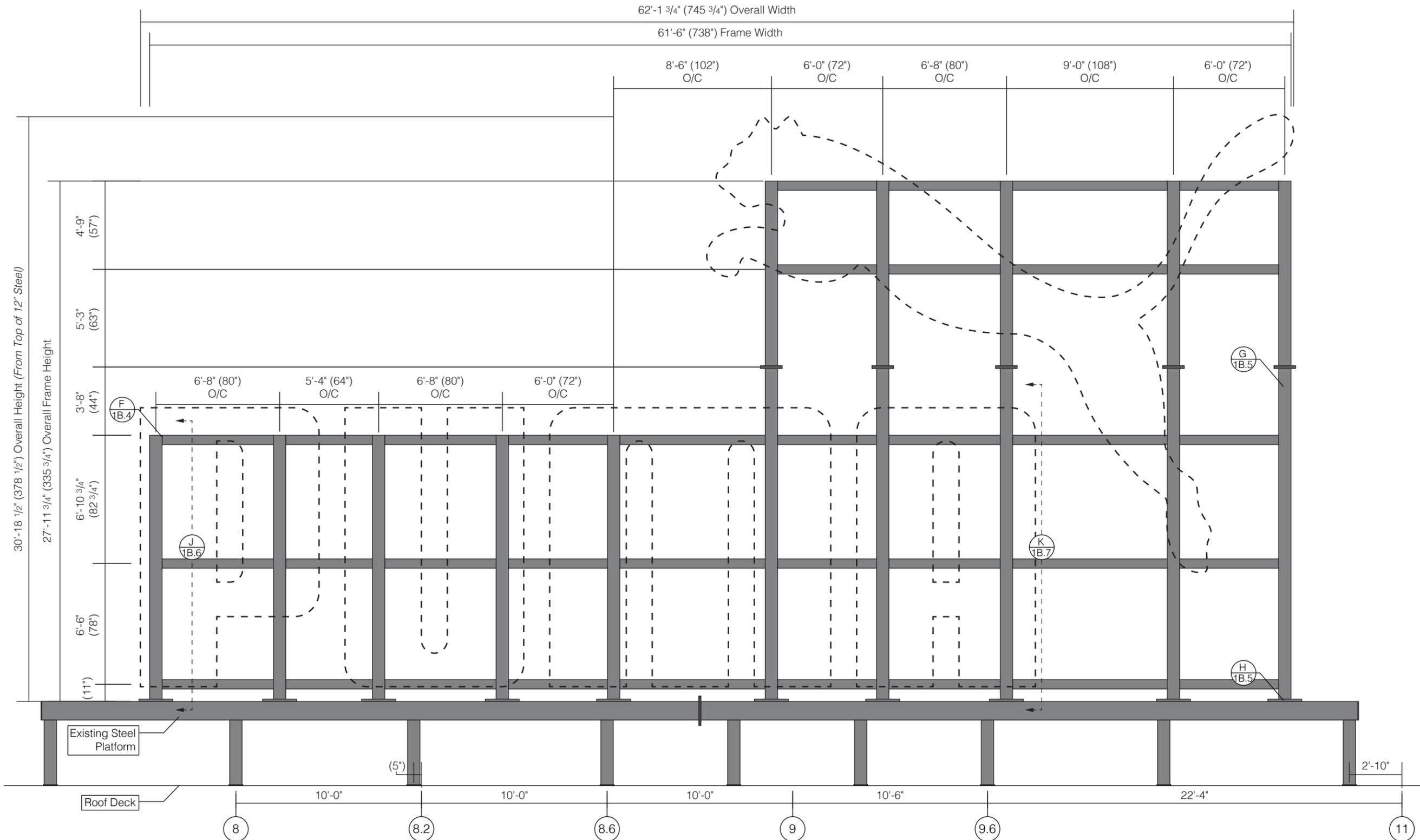
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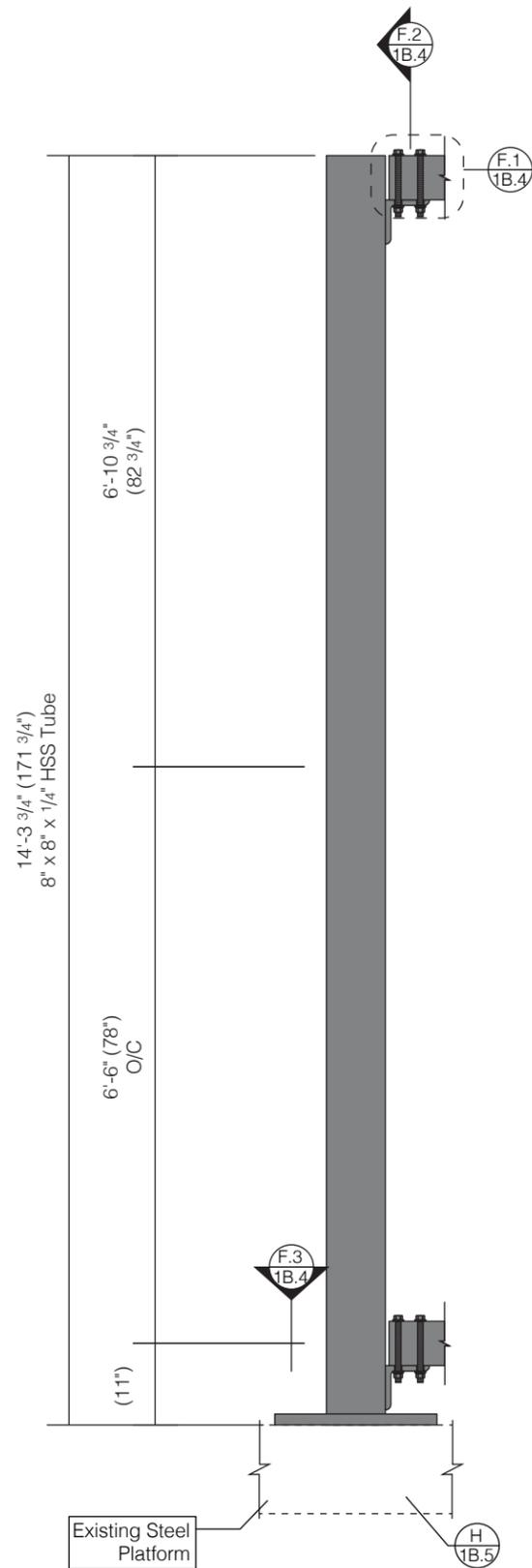
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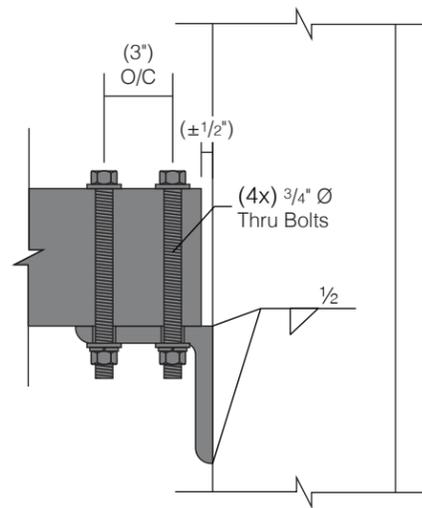
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West Elevation



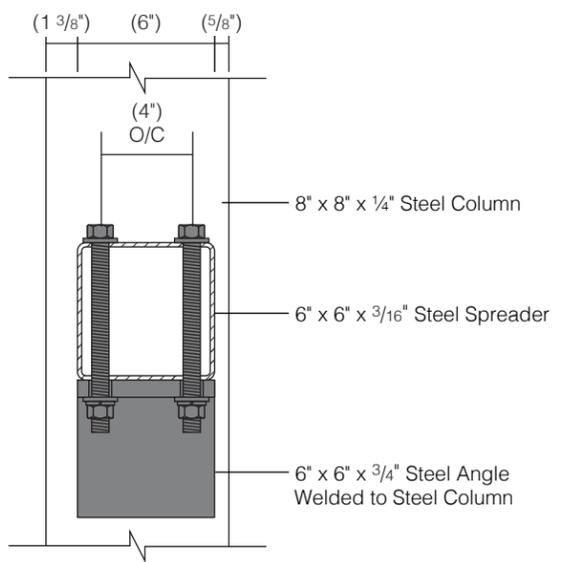
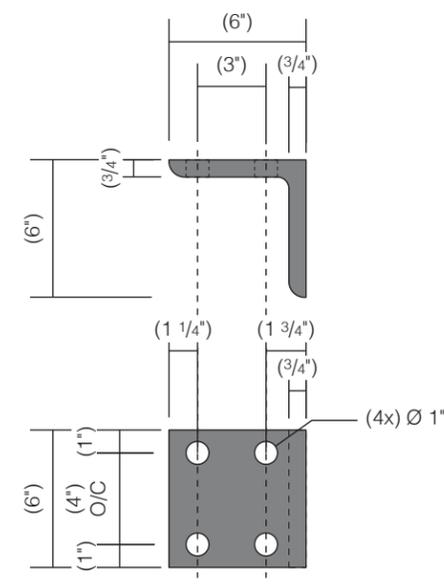
**E** Steel Structure - Front Elevation  
Scale: 3/16" = 1'-0"



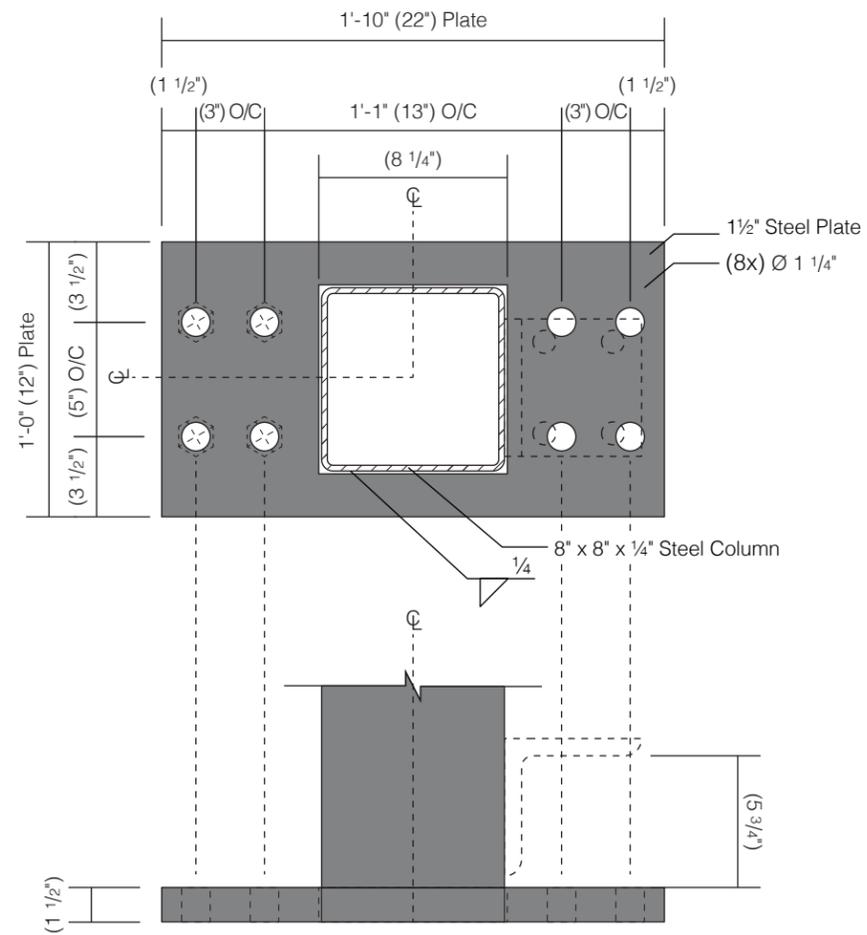
**F** Pole Detail - Front View  
Scale: 1/2"=1'-0"



**F.1** Frame Connection - Front View - Qty:52  
Scale: 1 1/2"=1'-0"



**F.2** Frame Connections - Side Section View  
Scale: 1 1/2"=1'-0"



**F.3** Front Base Plate Detail - Qty:10  
Scale: 1 1/2"=1'-0"

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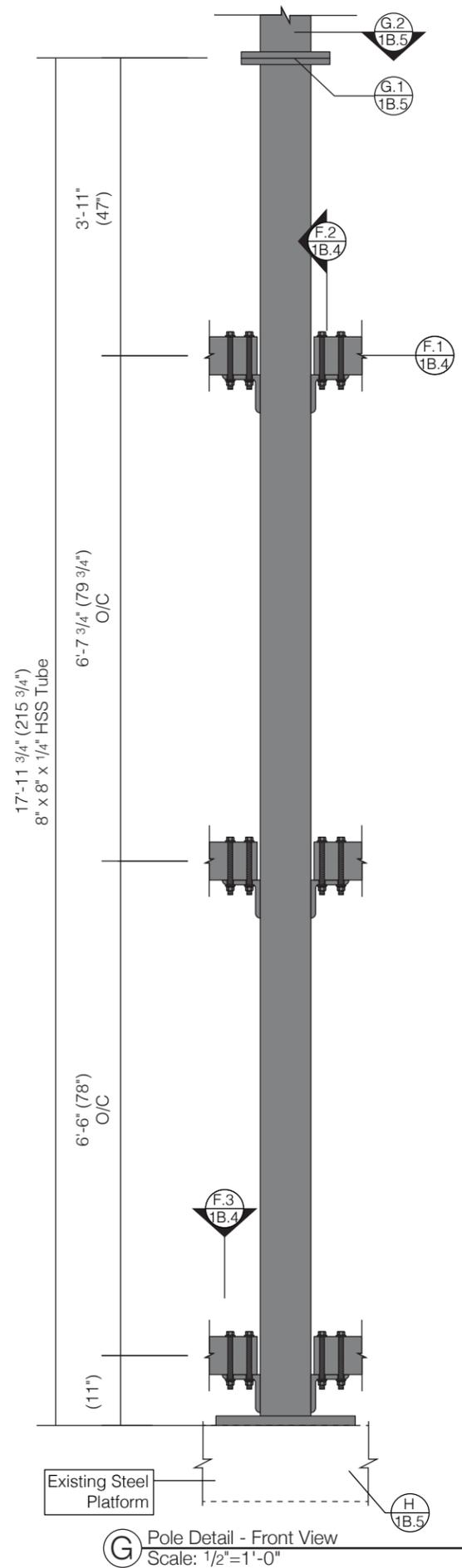
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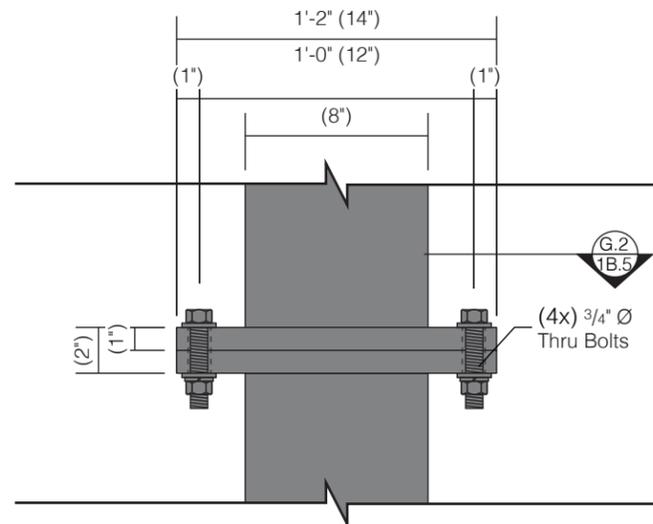
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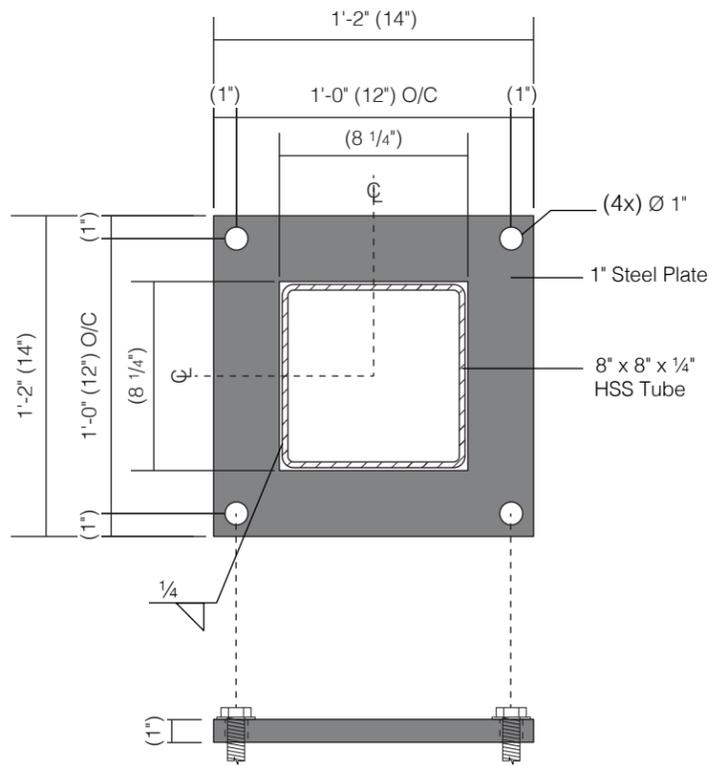
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West Elevation



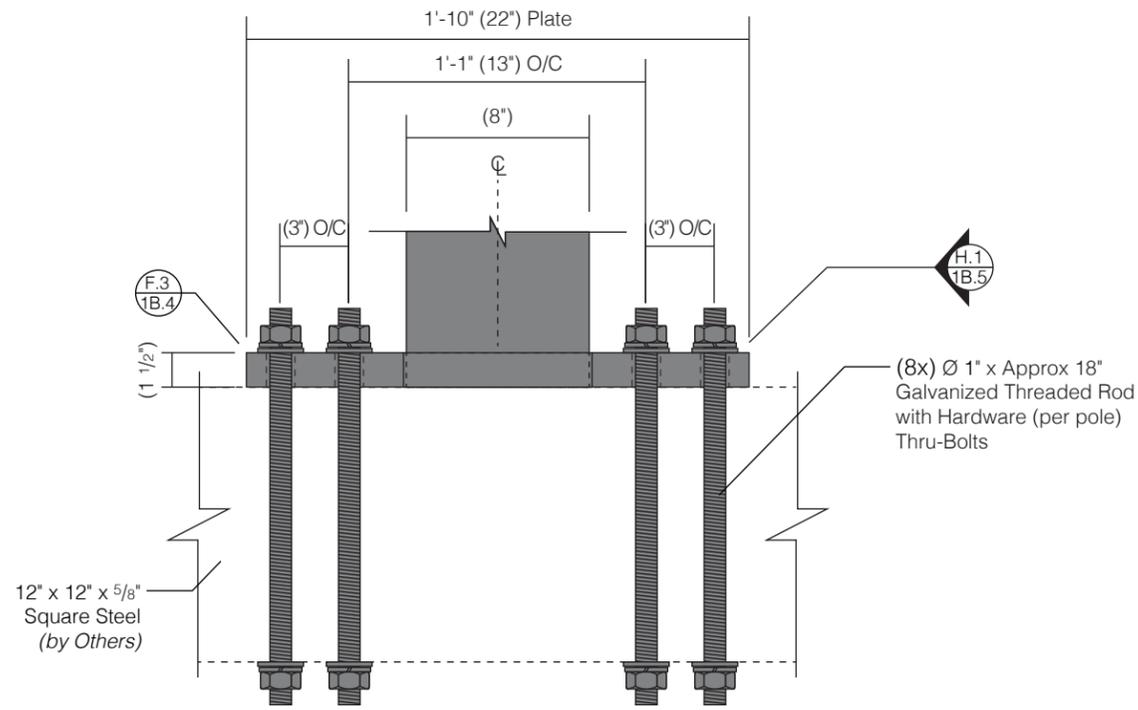
**G** Pole Detail - Front View  
Scale: 1/2"=1'-0"



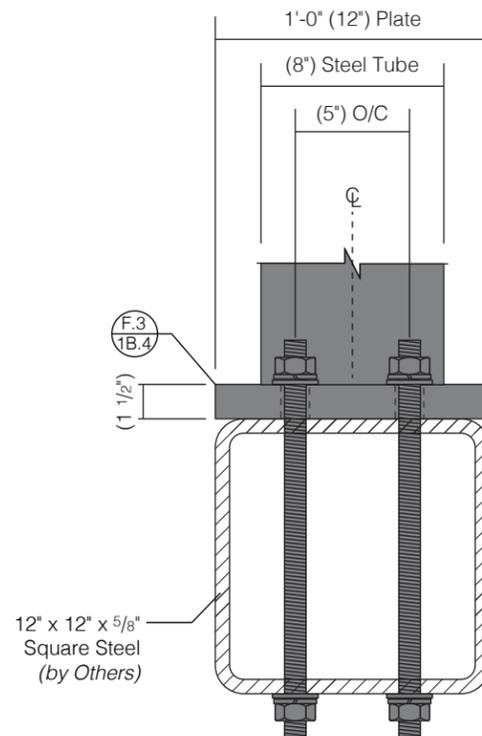
**G.1** Match Plate Connection - Qty: 5 Total  
Scale: 1 1/2"=1'-0"



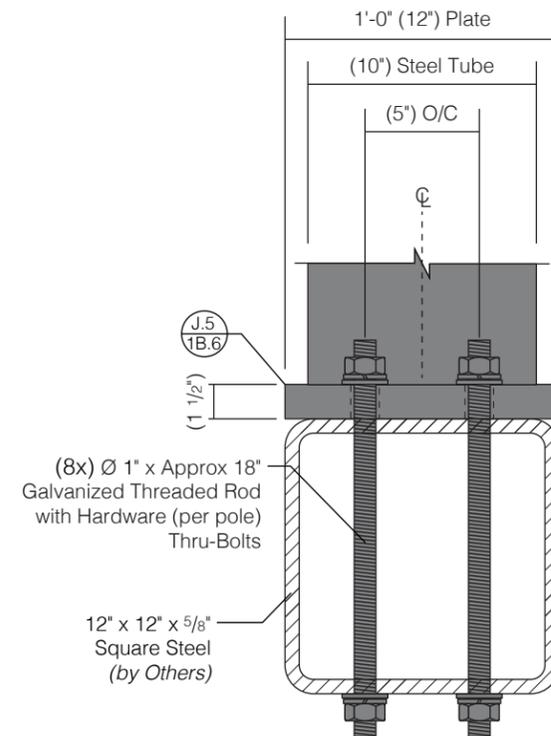
**G.2** Match Plate (Typical) - Qty: 10 Total  
Scale: 1 1/2"=1'-0"



**H** Building Connection - Front View - Qty: 15 Total  
Scale: 1 1/2"=1'-0"



**H.1** Front Base Plate Connection - Side View - Qty: 10  
Scale: 1 1/2"=1'-0"



**H.2** Back Base Plate Connection - Side View - Qty: 5  
Scale: 1 1/2"=1'-0"

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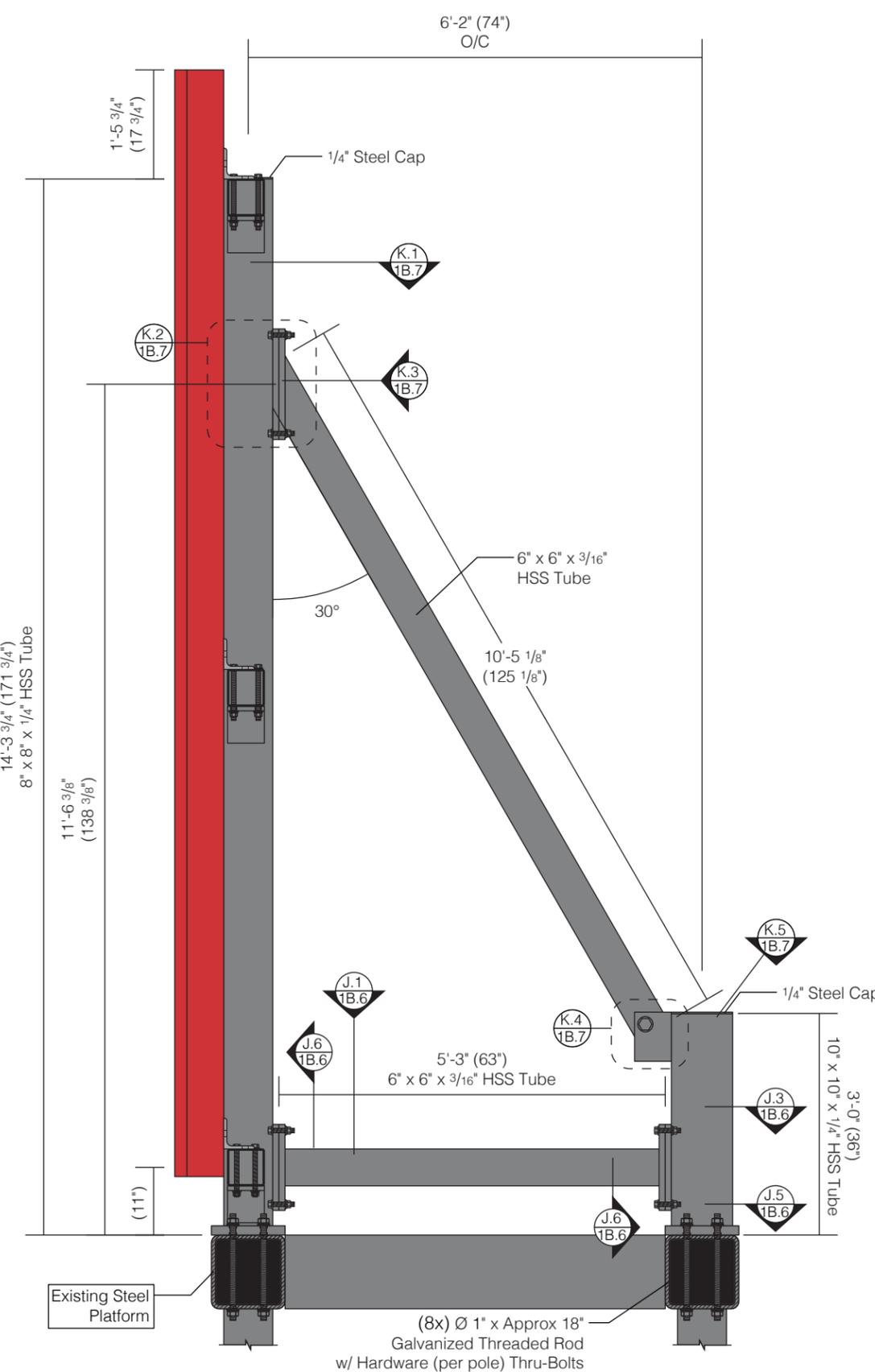
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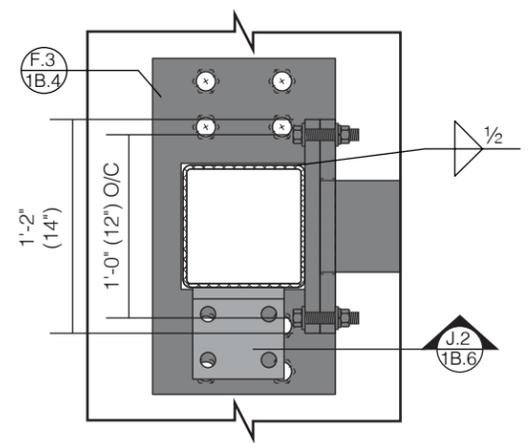
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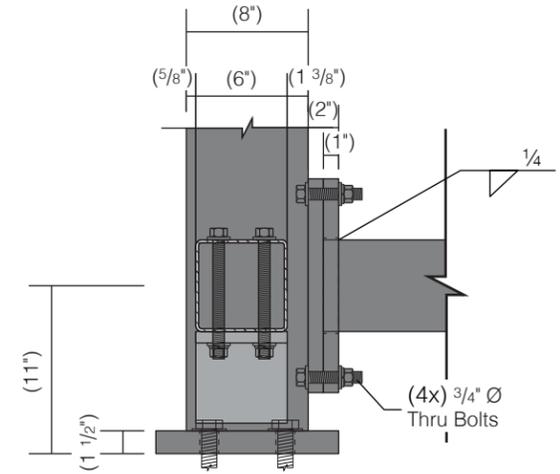
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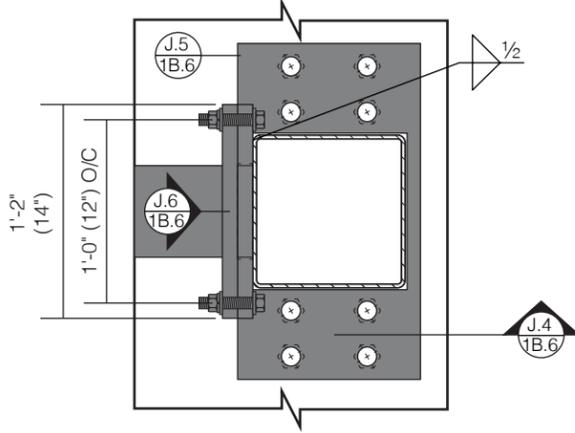
**J** Kicker Support Detail - Side View - Instances Kicker 1, Kicker 2  
Scale: 1/2"=1'-0"



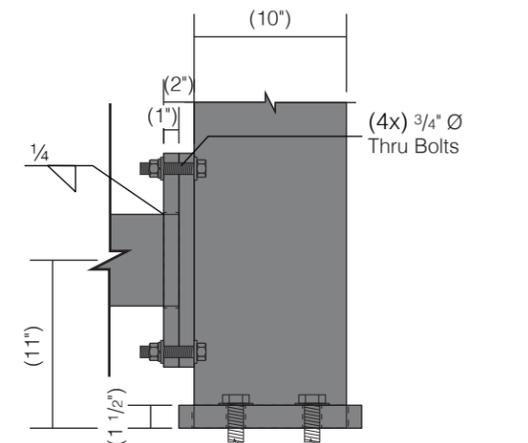
**J.1** Lower Front Plate - Plan View  
Scale: 1"=1'-0"



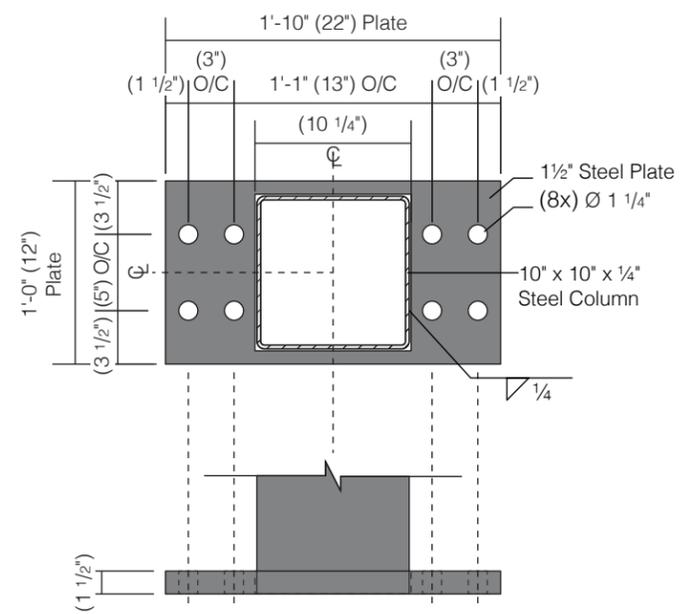
**J.2** Lower Front Plate - Side View  
Scale: 1"=1'-0"



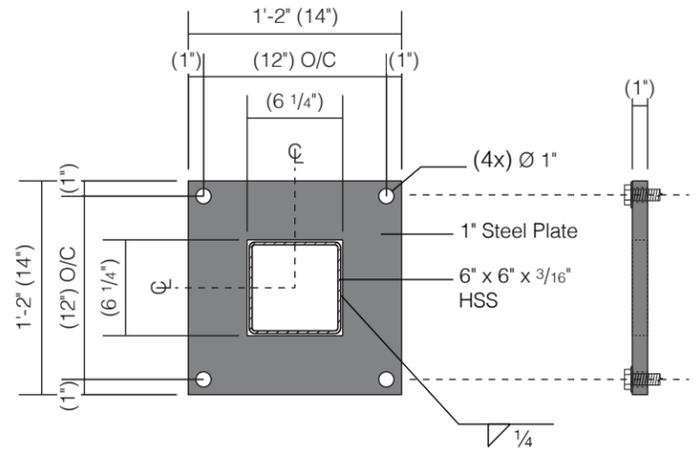
**J.3** Lower Back Plate - Plan View  
Scale: 1"=1'-0"



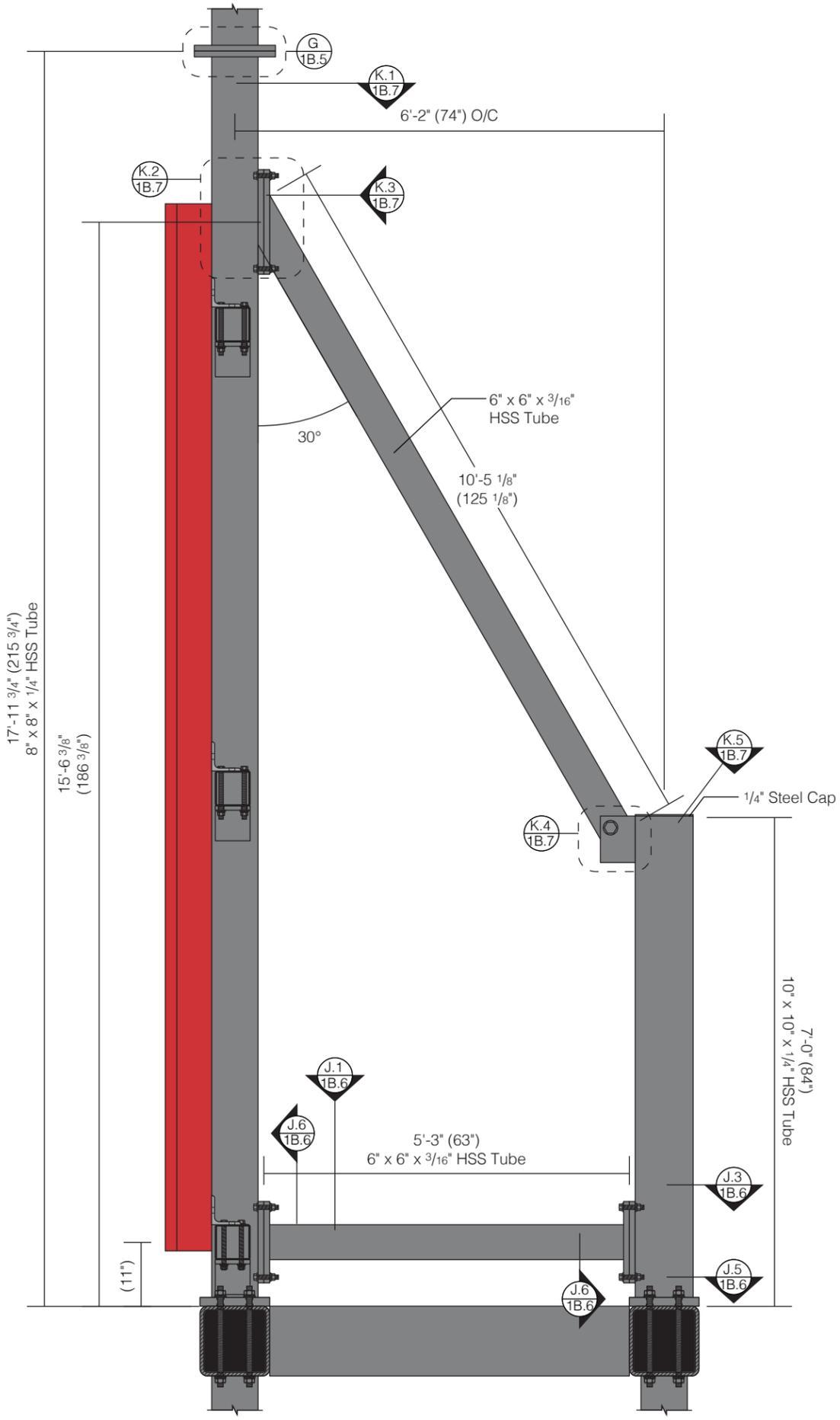
**J.4** Lower Back Plate - Side View  
Scale: 1"=1'-0"



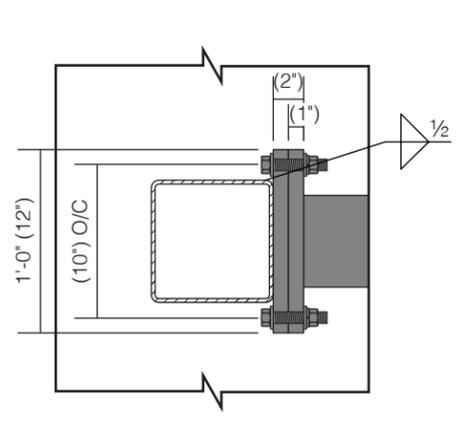
**J.5** Back Base Plate Detail - Qty:5  
Scale: 1"=1'-0"



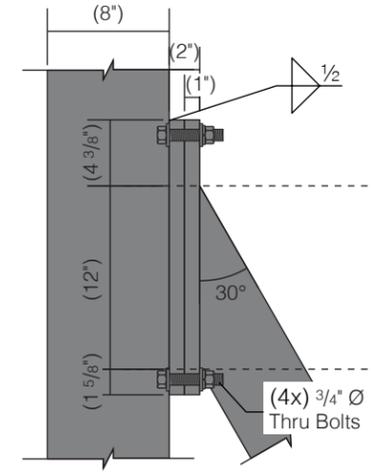
**J.6** Plate Detail - Qty 4 per Kicker  
Scale: 1"=1'-0"



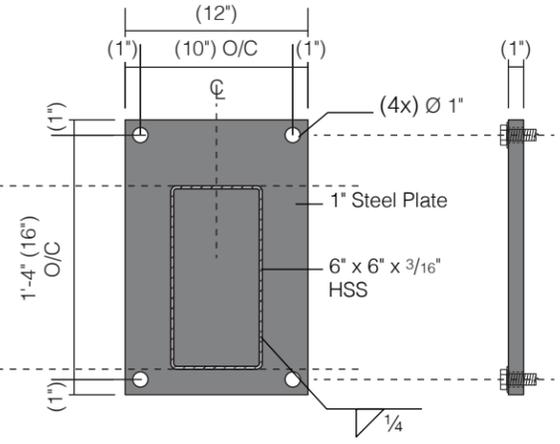
**(K)** Kicker Support Detail - Side View - Instances Kicker 3, Kicker 4, Kicker 5  
Scale: 1/2"=1'-0"



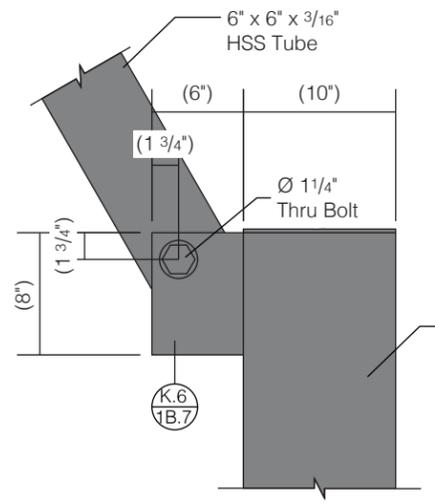
**(K.1)** Upper Front Plate - Plan View  
Scale: 1"=1'-0"



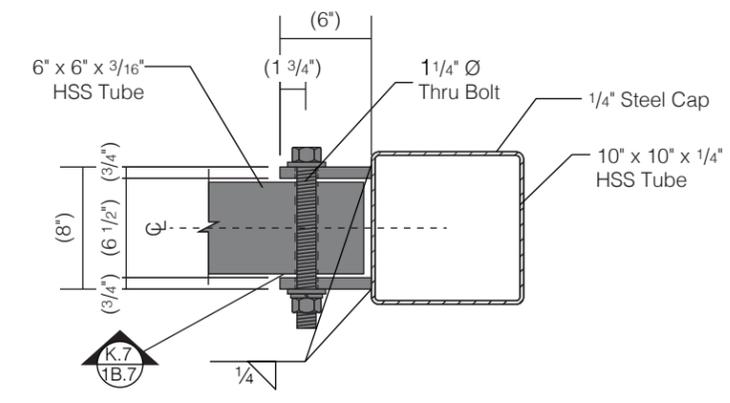
**(K.2)** Upper Front Plate - Side View  
Scale: 1"=1'-0"



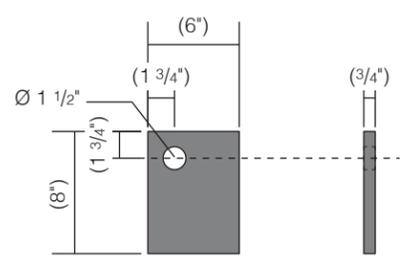
**(K.3)** Plate Detail - Qty:2 per Kicker  
Scale: 1"=1'-0"



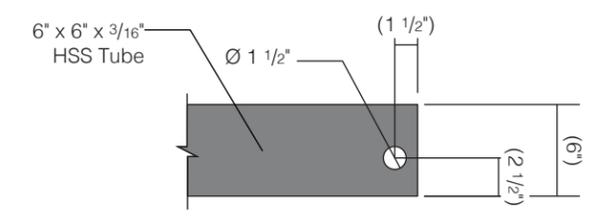
**(K.4)** Upper Back Plate - Side View  
Scale: 1"=1'-0"



**(K.5)** Upper Back Plate - Plan View  
Scale: 1"=1'-0"



**(K.6)** Plate Detail - Qty:2 per Kicker  
Scale: 1"=1'-0"



**(K.7)** Tube End Detail - Side View  
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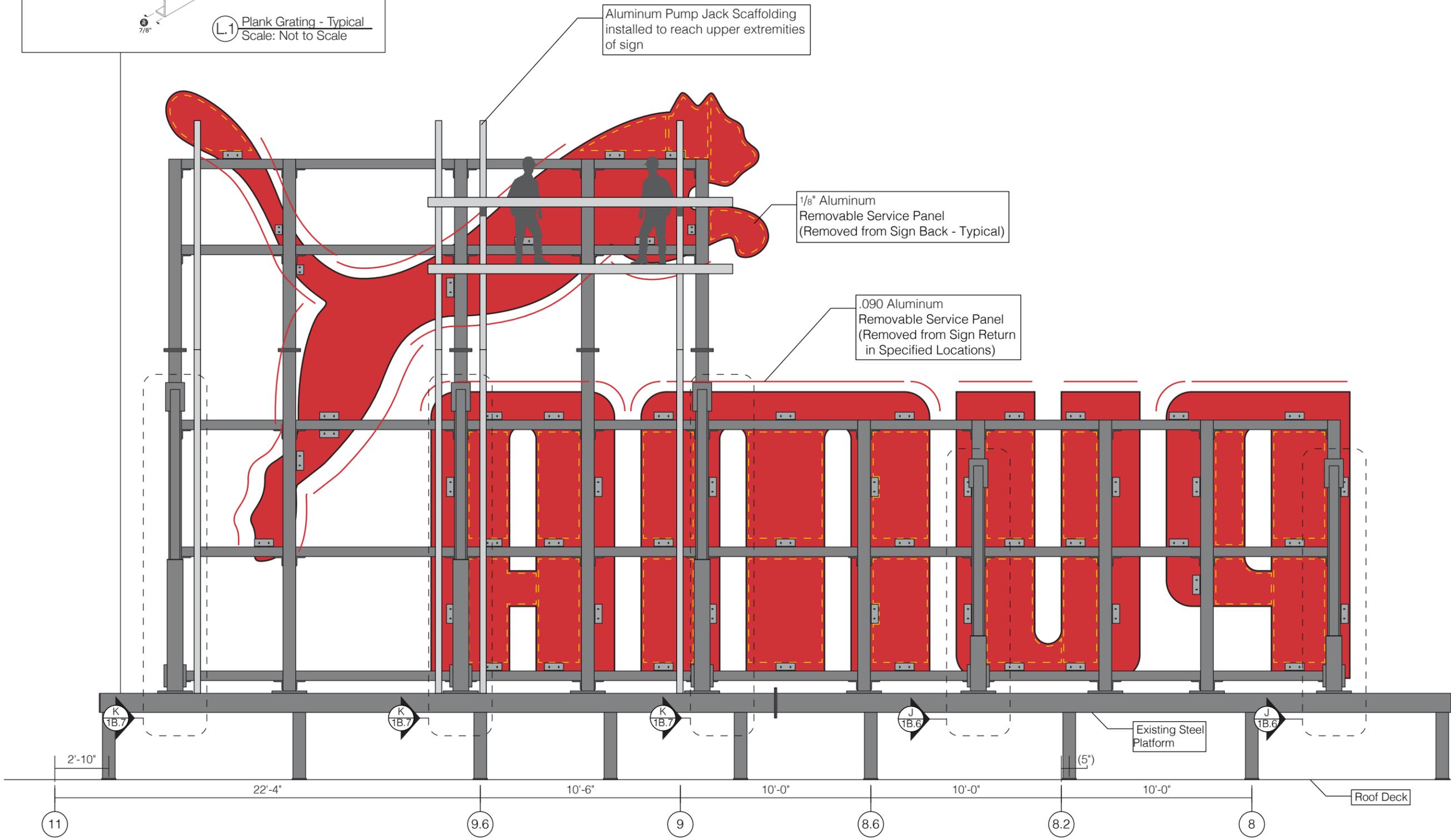
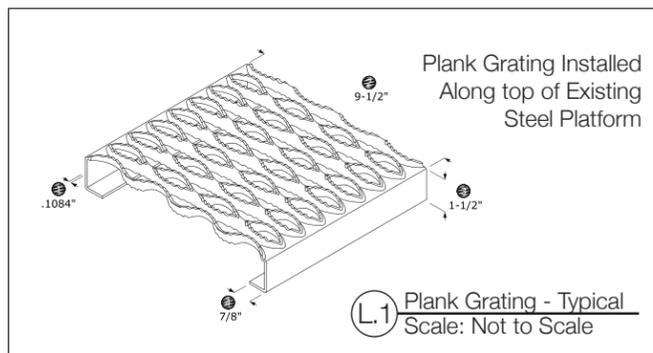


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**L** Service Locations  
Scale: 3/16" = 1'-0"





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Material Breakdown		
PowerMAX 71K (24V)	Modules	24V P/S
P	230	P/S 1 (300W)
	230	P/S 2 (300W)
	122	P/S 3 (180W)
U	230	P/S 4 (300W)
	230	P/S 5 (300W)
	186	P/S 6 (300W)
M	230	P/S 7 (300W)
	230	P/S 8 (300W)
	230	P/S 9 (300W)
	230	P/S 10 (300W)
A	59	P/S 11 (180W)
	41	
	230	P/S 12 (300W)
LOGO	230	P/S 13 (300W)
	230	P/S 14 (300W)
	38	P/S 11 (180W)
LOGO	230	P/S 15 (300W)
	230	P/S 16 (300W)
	230	P/S 17 (300W)
	230	P/S 18 (300W)

Sign Type	Illumination	Primary Circuit (120 VAC)	SKU	Description	Name	Quantity
CHANNEL LETTERS	FACE LIT	48.2 Amps	93051997	GEPM2471-W1	PowerMAX 71K (24V)	3896 Modules / 2597 Ft
Can Depth	LED Distance From Face	Power Supply Location	Total Module Watts			
5"	N/A	REMOTE	3272.64 Watts			
Special Instructions			Total System Watts			
ESTIMATE FOR ONE SIDE OF SIGN ONLY			3894.44 Watts	GEPS24-300U-GL	300W - 24V (GL)	16 Ea
Sign Information			Sign Area	GEPS24-180U	180W - 24V	2 Ea
STROKE SPACING 4"OC MAINTAINED AS PER CUSTOMER REQUIREMENT			Energy Usage			
LED'S POPULATED AT 80% OF POWER SUPPLY CAPACITY			5.31 Watts/Sq Ft	191600041 or 192160004	Wire Connector	88 Ea
300W POWER SUPPLY CONTAINS 3 BANKS, EACH BANK HOLDS 96 MODULES				9409	18 AWG Supply Wire	380 Ft
180W POWER SUPPLY CONTAINS 2 BANKS, EACH BANK HOLDS 90 MODULES				191600041	Wire End Caps	8 Ea

**TECHNICAL SUPPORT:**  
888-694-3533 / 216-266-2419  
EMAIL: [tetradrawings@gecurrent.com](mailto:tetradrawings@gecurrent.com)

**GE current**  
a Daintree company

Drawn By: YK  
Checked By: MK  
Date: 6/24/20

Job Name: PUMA  
Customer Name: PUMA

**Drwg #: 086860 - 01**      Rev -

PAGE 1 OF 1



© Conceptual Renderings  
Not to Scale

**Poyant**  
Building Your Brand

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