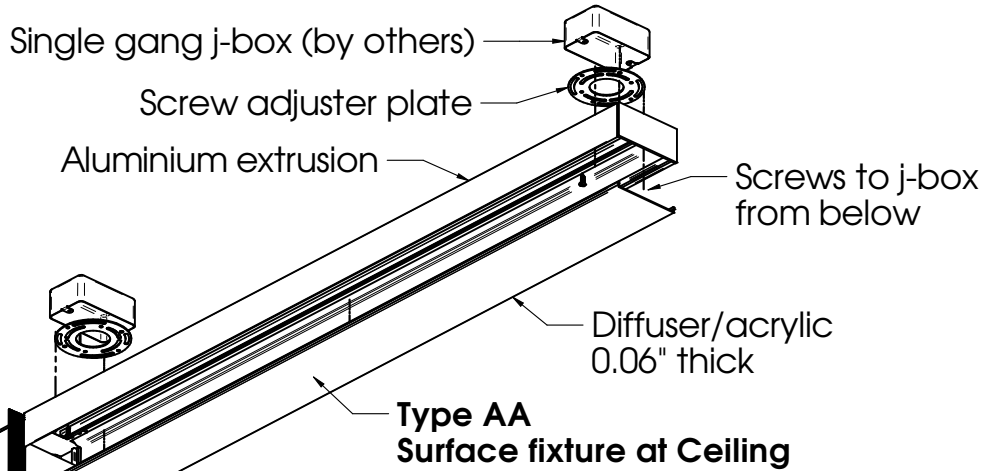
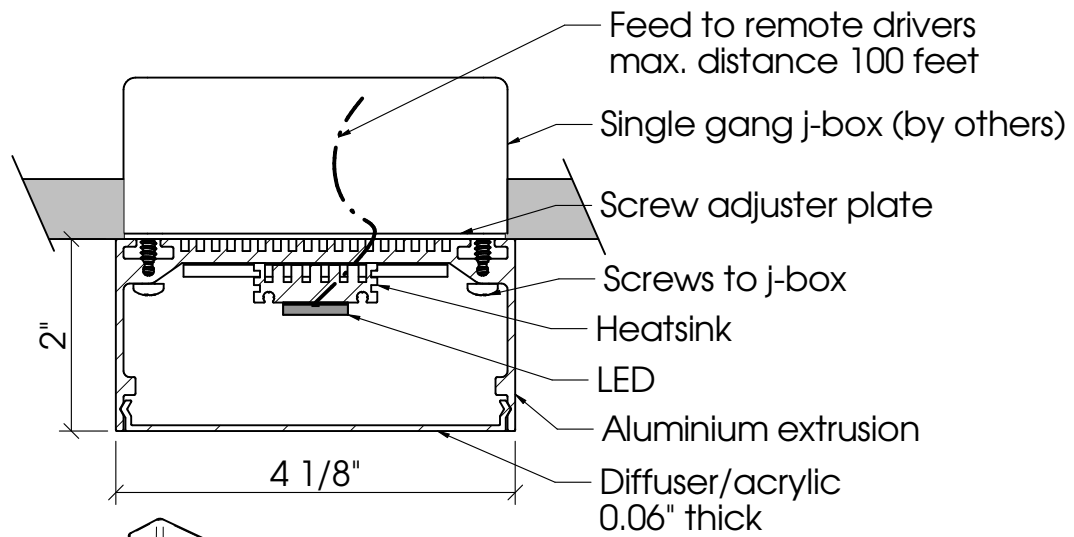
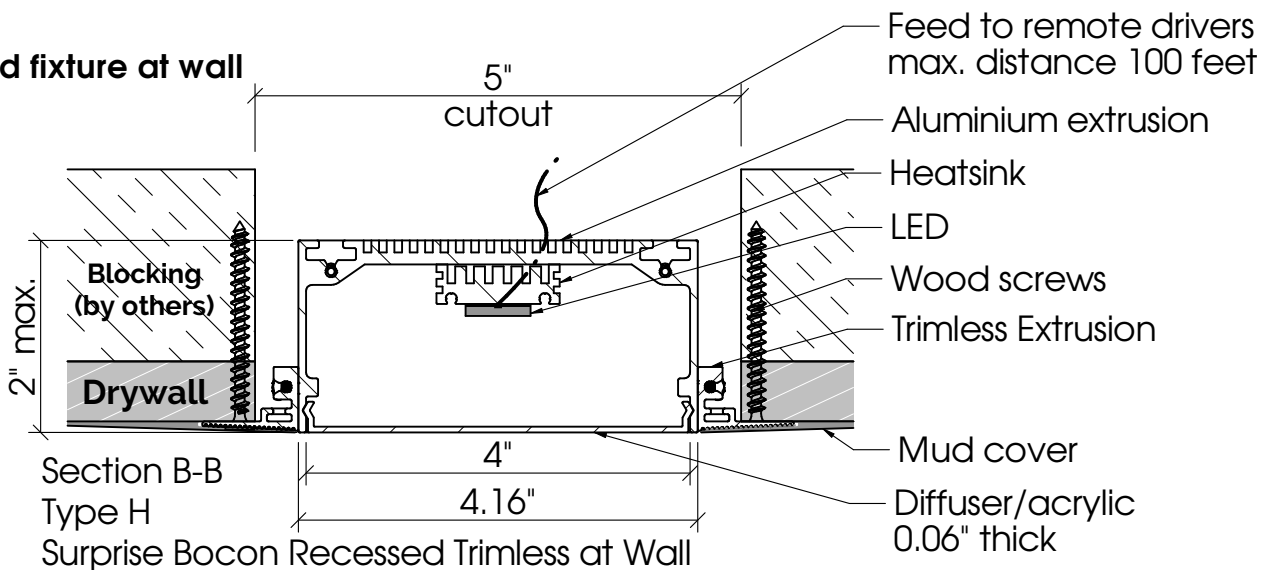


SECTION A-A
Type AA fixture
Surprise Bocon Surface
fixture at ceiling

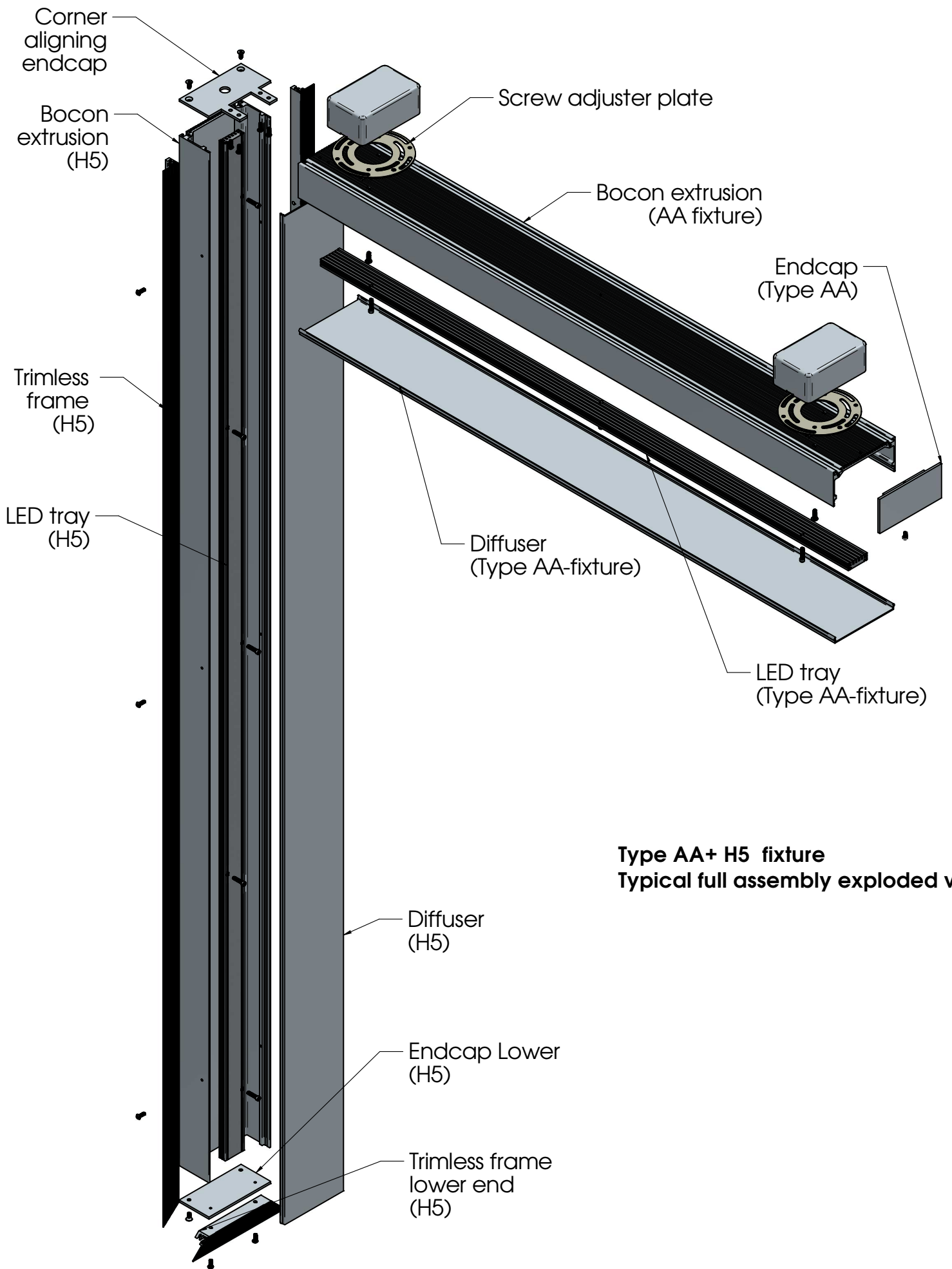


**Type H
Recessed fixture at wall**



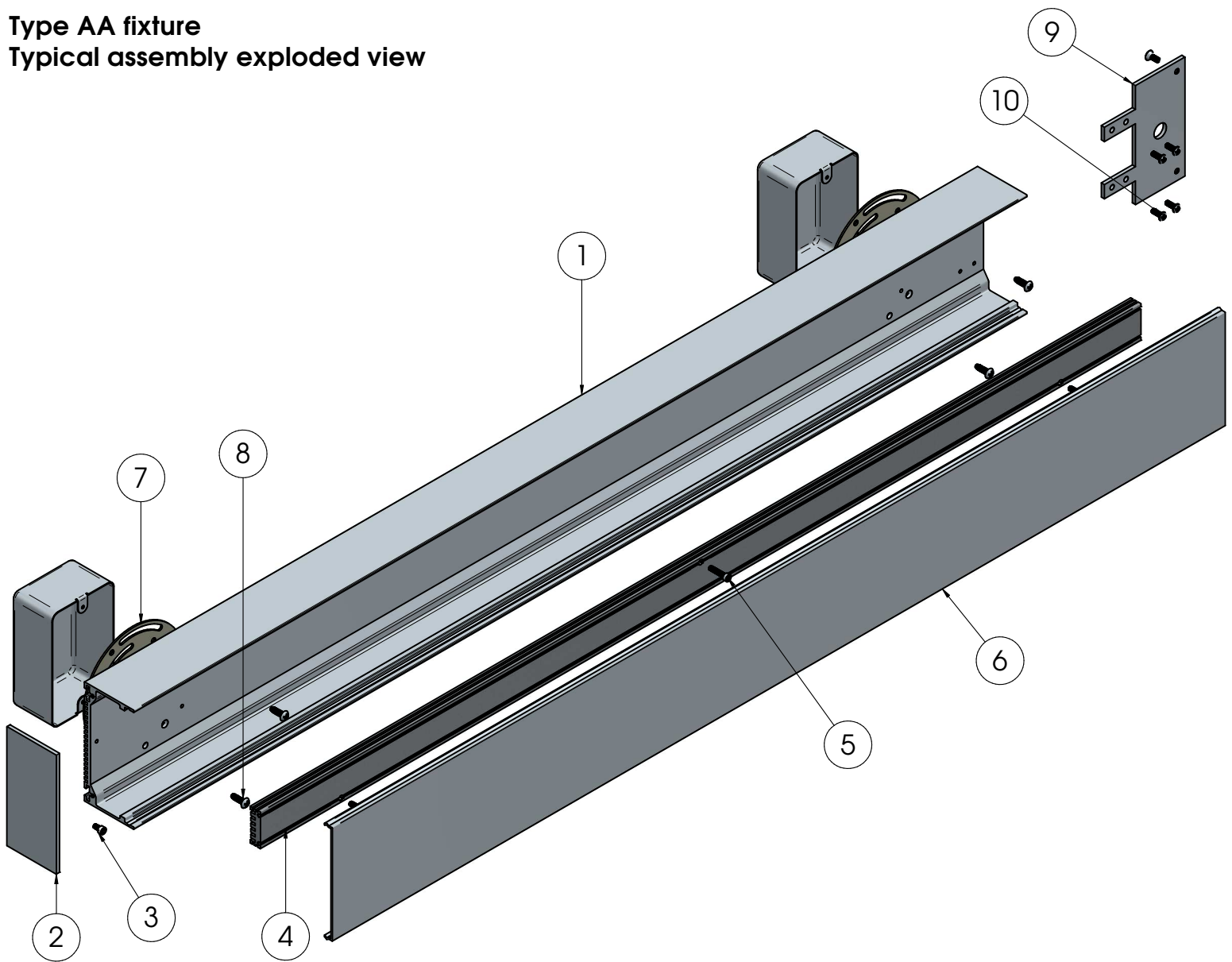
Section B-B
Type H
Surprise Bocon Recessed Trimless at Wall

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Type AA detail / Surprise Bocon surface & recessed	Scale	Page 1 /34
Material	Aluminium	wherever unspecified	Drawn by Amandeep



Type AA+ H5 fixture
Typical full assembly exploded view

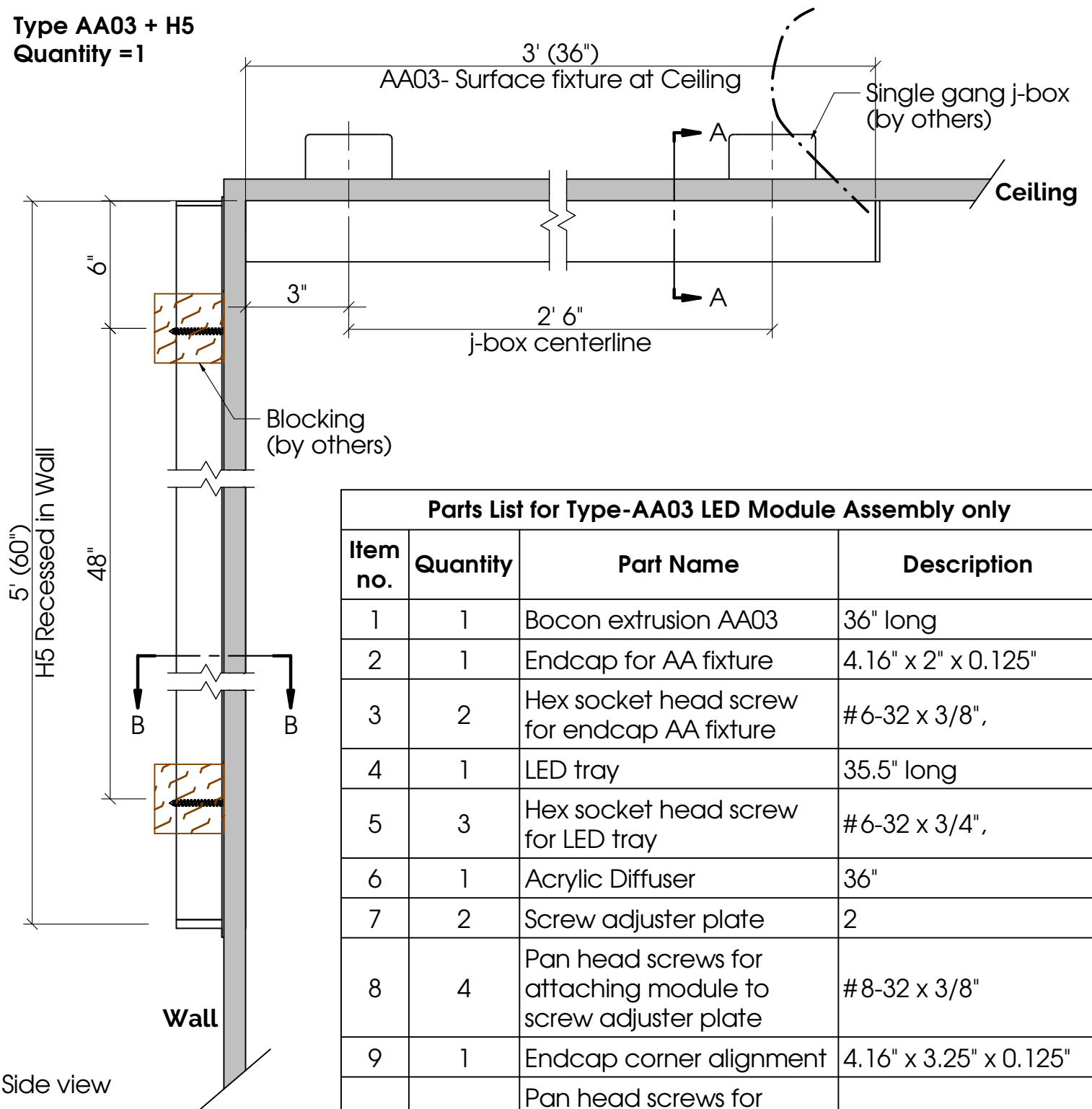
Type AA fixture
Typical assembly exploded view



Parts List for typical Type-AA LED Module Assembly

Item no.	Part Name	Description
1	Bocon extrusion AA	
2	Endcap for AA fixture	4.16" x 2" x 0.125"
3	Hex socket head screw for endcap AA fixture	#6-32 x 3/8",
4	LED tray	
5	Hex socket head screw for LED tray	#6-32 x 3/4",
6	Acrylic Diffuser	
7	Screw adjuster plate	
8	Pan head screws for attaching module to screw adjuster plate	#8-32 x 3/8"
9	Endcap corner alignment	4.16" x 3.25" x 0.125"
10	Pan head screws for attaching corner endcap to Bocon extrusion	#6-32 x 3/8"

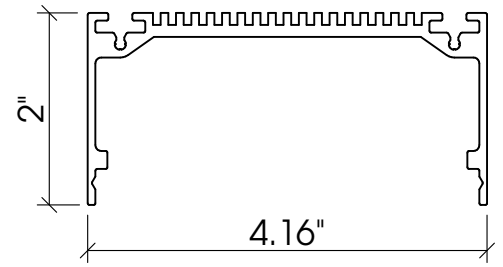
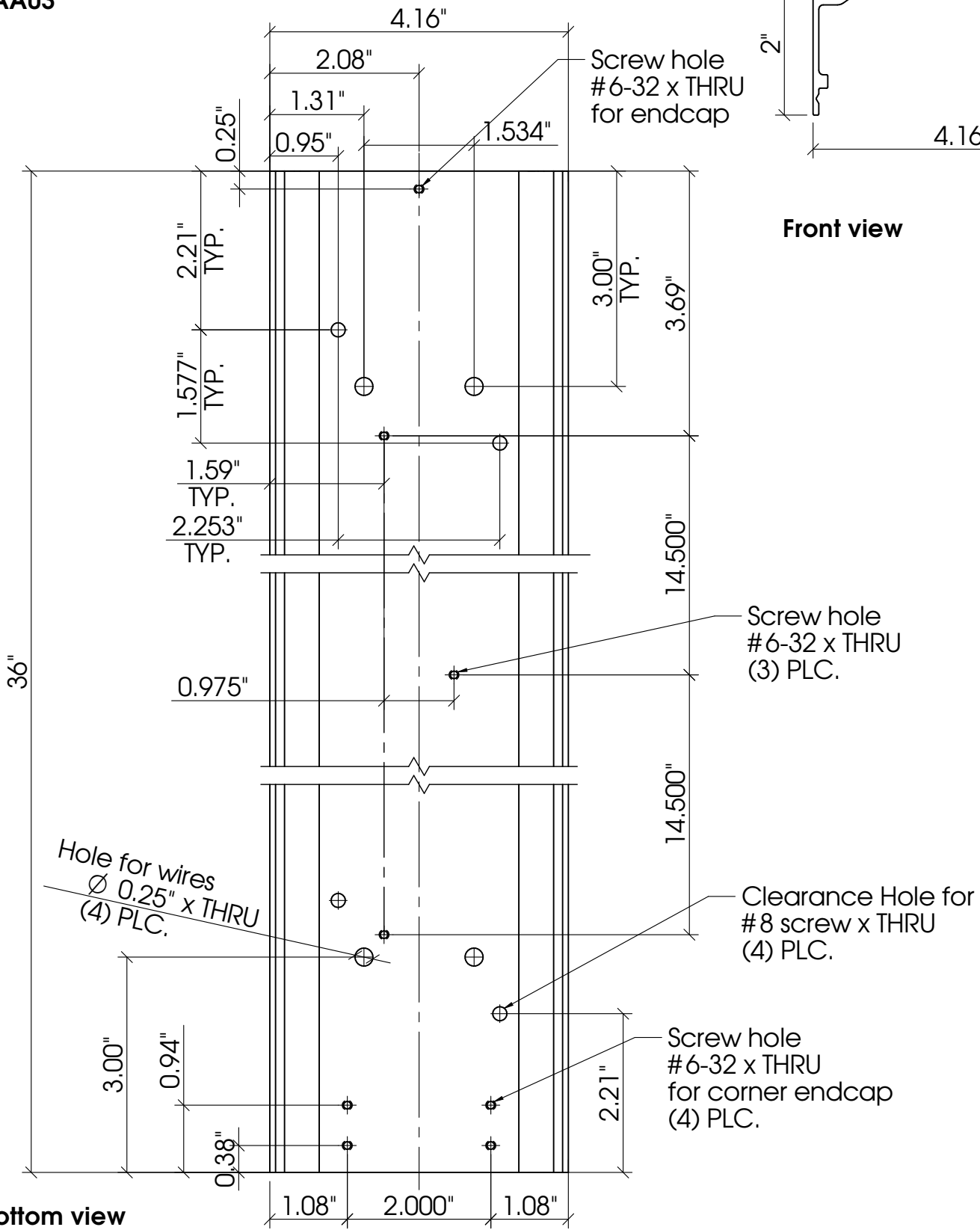
Type AA03 + H5
Quantity = 1



Parts List for Type-AA03 LED Module Assembly only			
Item no.	Quantity	Part Name	Description
1	1	Bocon extrusion AA03	36" long
2	1	Endcap for AA fixture	4.16" x 2" x 0.125"
3	2	Hex socket head screw for endcap AA fixture	#6-32 x 3/8",
4	1	LED tray	35.5" long
5	3	Hex socket head screw for LED tray	#6-32 x 3/4",
6	1	Acrylic Diffuser	36"
7	2	Screw adjuster plate	2
8	4	Pan head screws for attaching module to screw adjuster plate	#8-32 x 3/8"
9	1	Endcap corner alignment	4.16" x 3.25" x 0.125"
10	4	Pan head screws for attaching corner endcap to Bocon extrusion	#6-32 x 3/8"

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	AA03 / Surprise Bocon surface and recessed/ Qty(1)	Scale	Page 4 /34
Material	Aluminium	wherever unspecified	Drawn by Amandeep

36" Bocon extrusion / Qty. 1
AA03



Front view

Bottom view



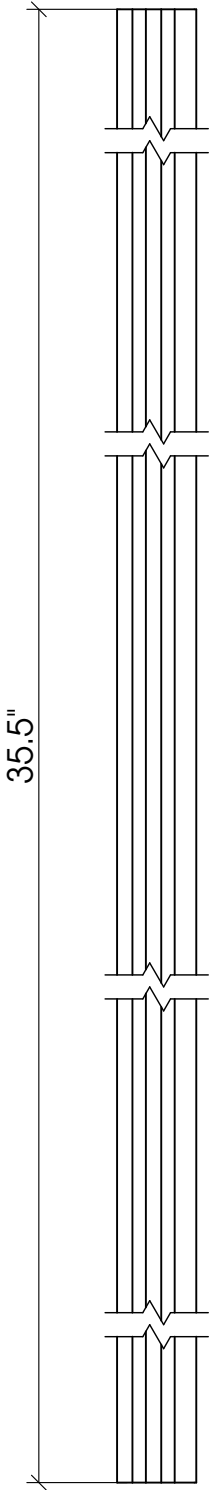
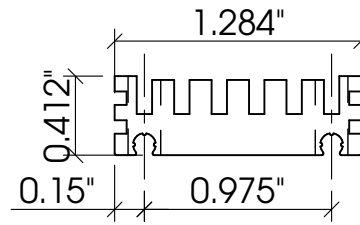
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Shop drawings

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	36" Bocon extrusion / Type AA03 / Qty. (1)	Scale 1 : 2 wherever unspecified	Page 5 /34
Material	Aluminium	Drawn by Amandeep	

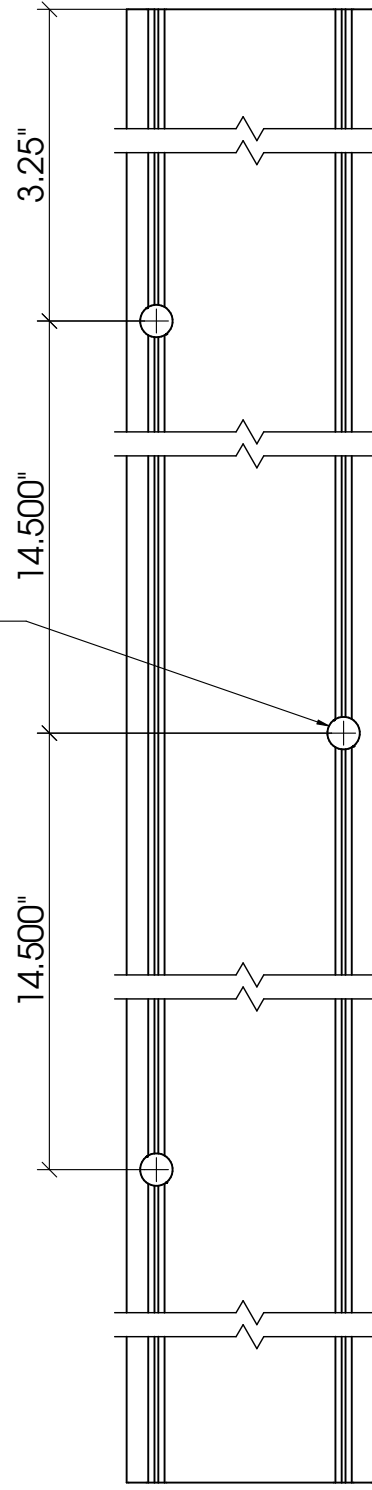
**35.5" LED tray / Qty. 1
AA03**

Front view



Side view

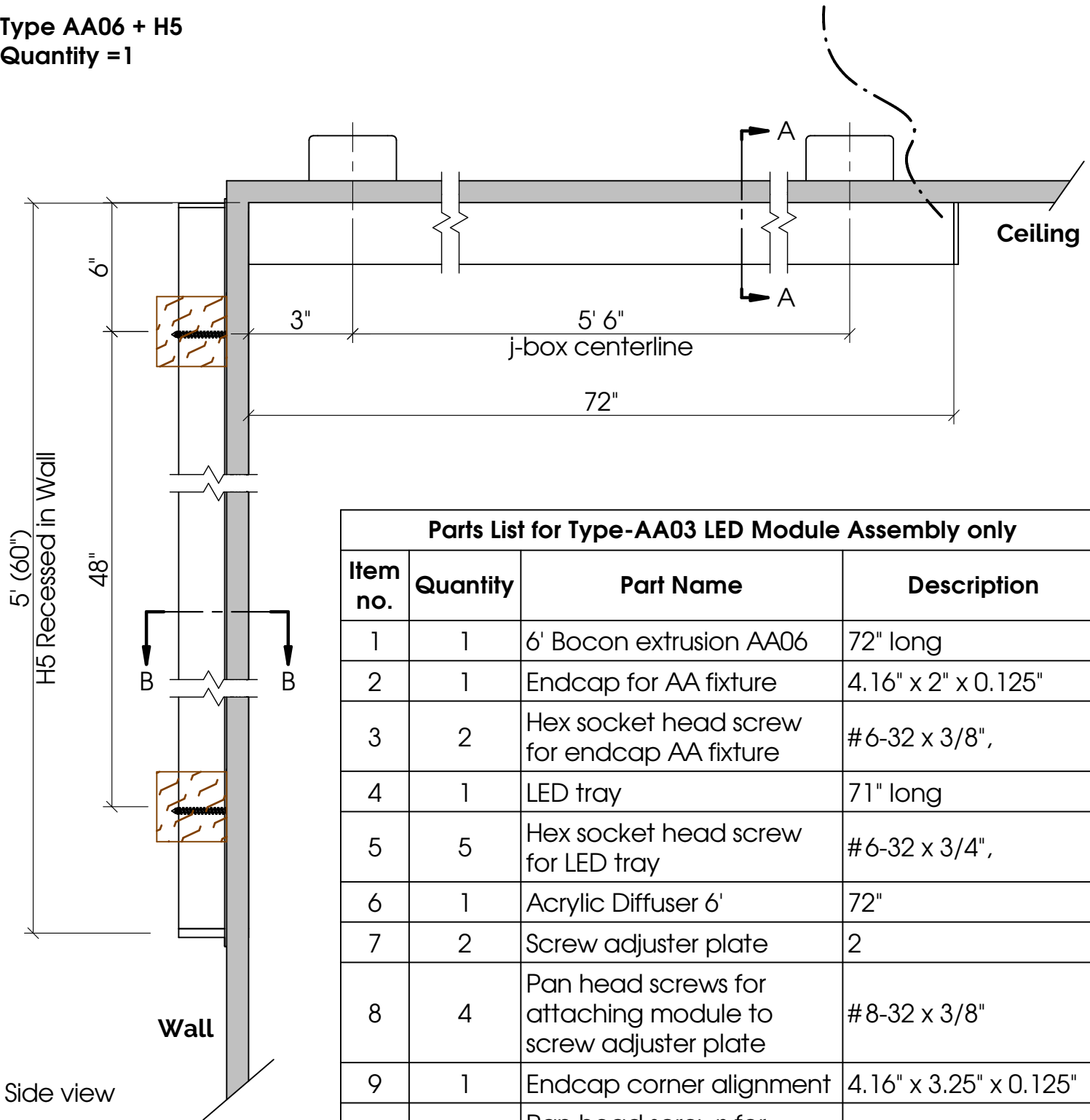
Clearance Hole for
#6 screw x THRU
(3) PLC.



Bottom view

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	35.5" LED tray / Type AA03 / Qty. (1)	Scale 1 : 1 <small>wherever unspecified</small>	Page 6 /34
Material	Aluminium	Drawn by Amandeep	

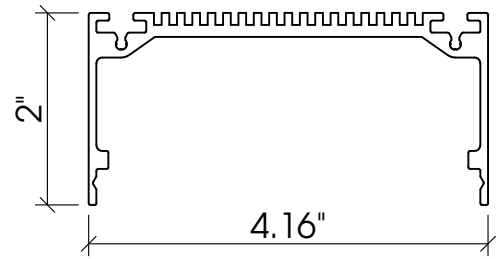
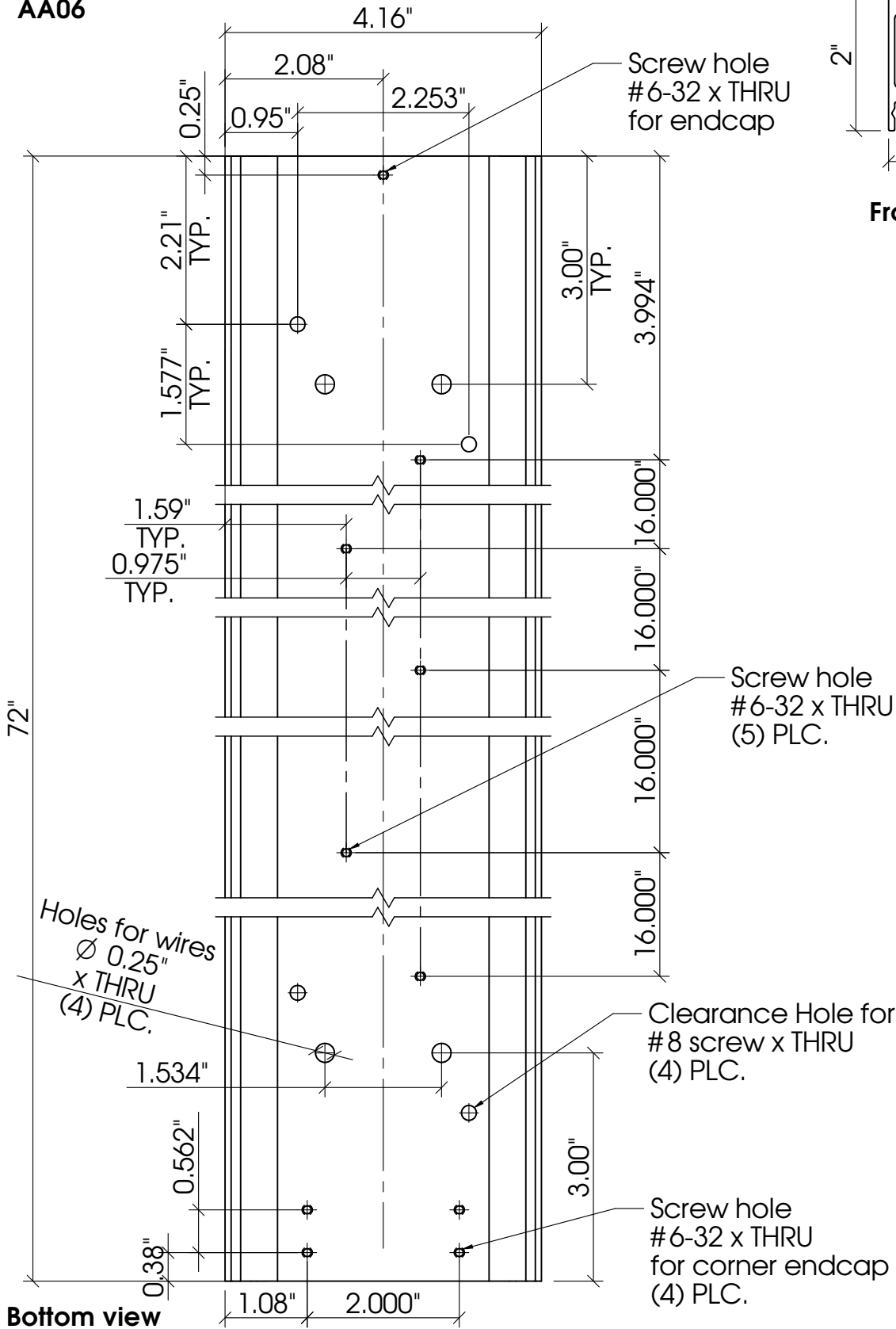
Type AA06 + H5
Quantity =1



Parts List for Type-AA03 LED Module Assembly only			
Item no.	Quantity	Part Name	Description
1	1	6' Bocon extrusion AA06	72" long
2	1	Endcap for AA fixture	4.16" x 2" x 0.125"
3	2	Hex socket head screw for endcap AA fixture	#6-32 x 3/8",
4	1	LED tray	71" long
5	5	Hex socket head screw for LED tray	#6-32 x 3/4",
6	1	Acrylic Diffuser 6'	72"
7	2	Screw adjuster plate	2
8	4	Pan head screws for attaching module to screw adjuster plate	#8-32 x 3/8"
9	1	Endcap corner alignment	4.16" x 3.25" x 0.125"
10	4	Pan head screws for attaching corner endcap to Bocon extrusion	#6-32 x 3/8"

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description-	AA06 / Surprise Bocon surface and recessed/ Qty(1)	Scale	Page 7 /34
Material	Aluminium	wherever unspecified	Drawn by Amandeep

72" Bocon extrusion / Qty. 1
AA06



Front view

Bottom view

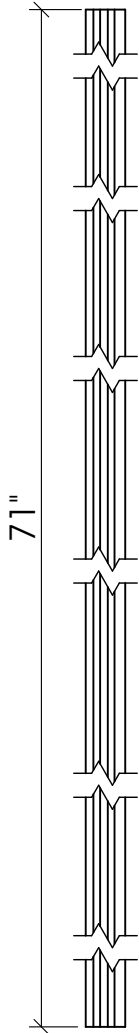
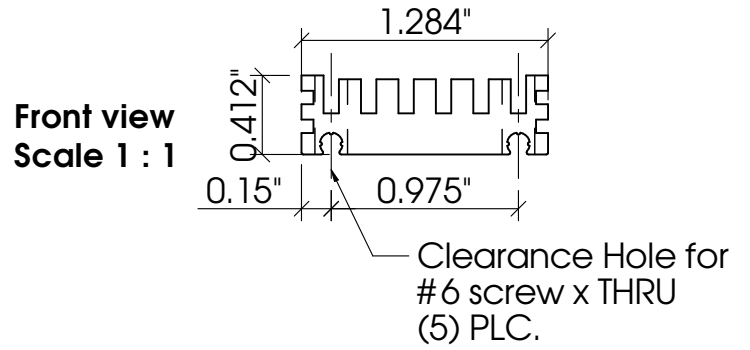


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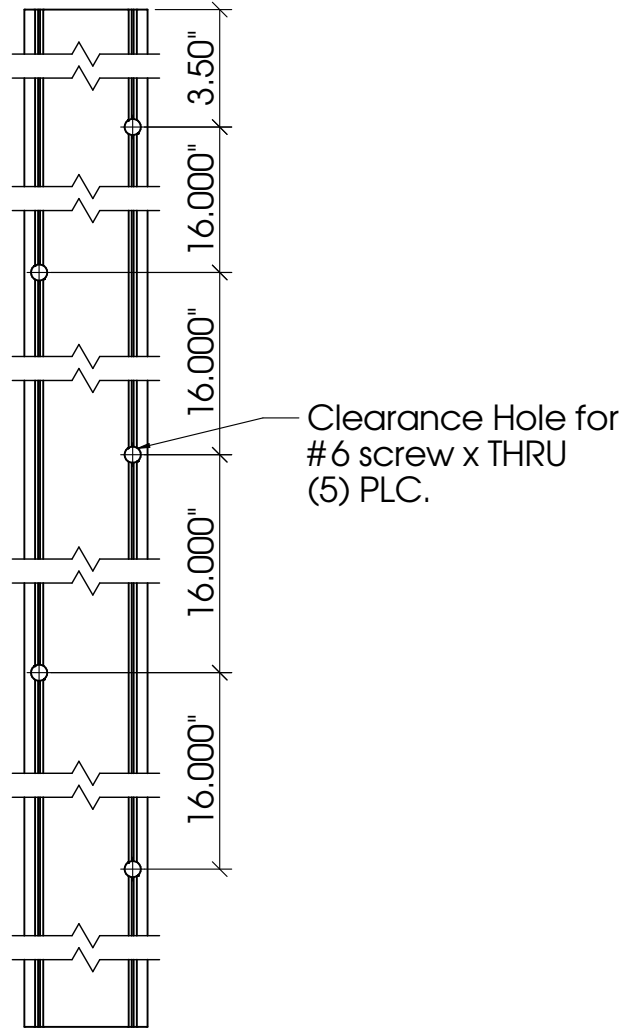
Shop drawings

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	72" Bocon extrusion / Type AA06 / Qty. (1)	Scale 1 : 2 wherever unspecified	Page 8 /34
Material	Aluminium	Drawn by Amandeep	

**71" LED tray / Qty. 1
AA06**



Side view

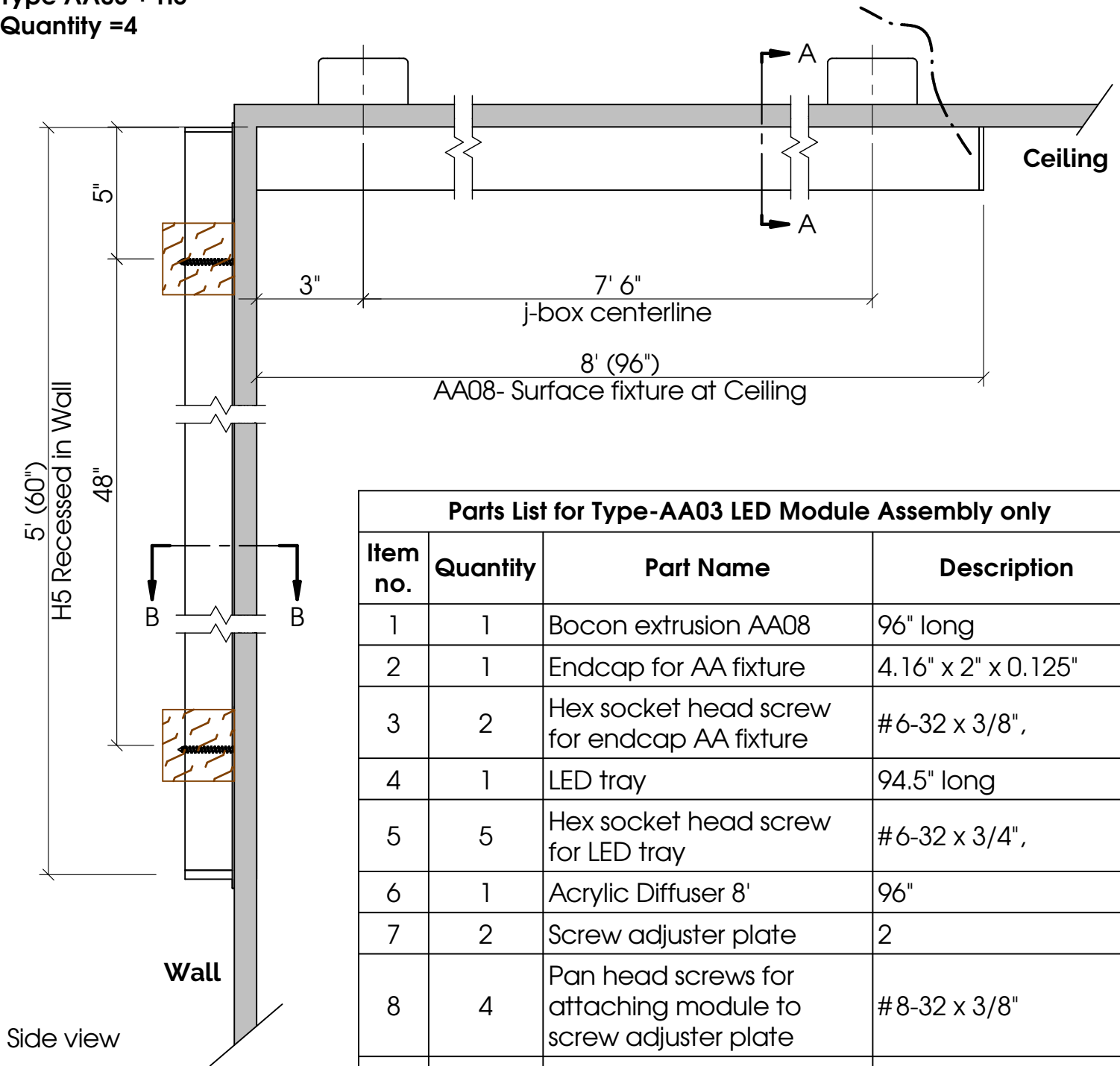


Bottom view

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	71" LED tray / Type AA06 / Qty. (1)	Scale 1 : 2 wherever unspecified	Page 9 /34
Material	Aluminium	Drawn by Amandeep	

Type AA08 + H5

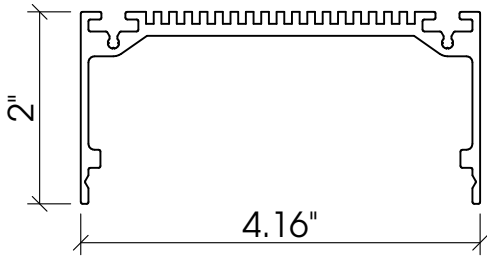
Quantity =4



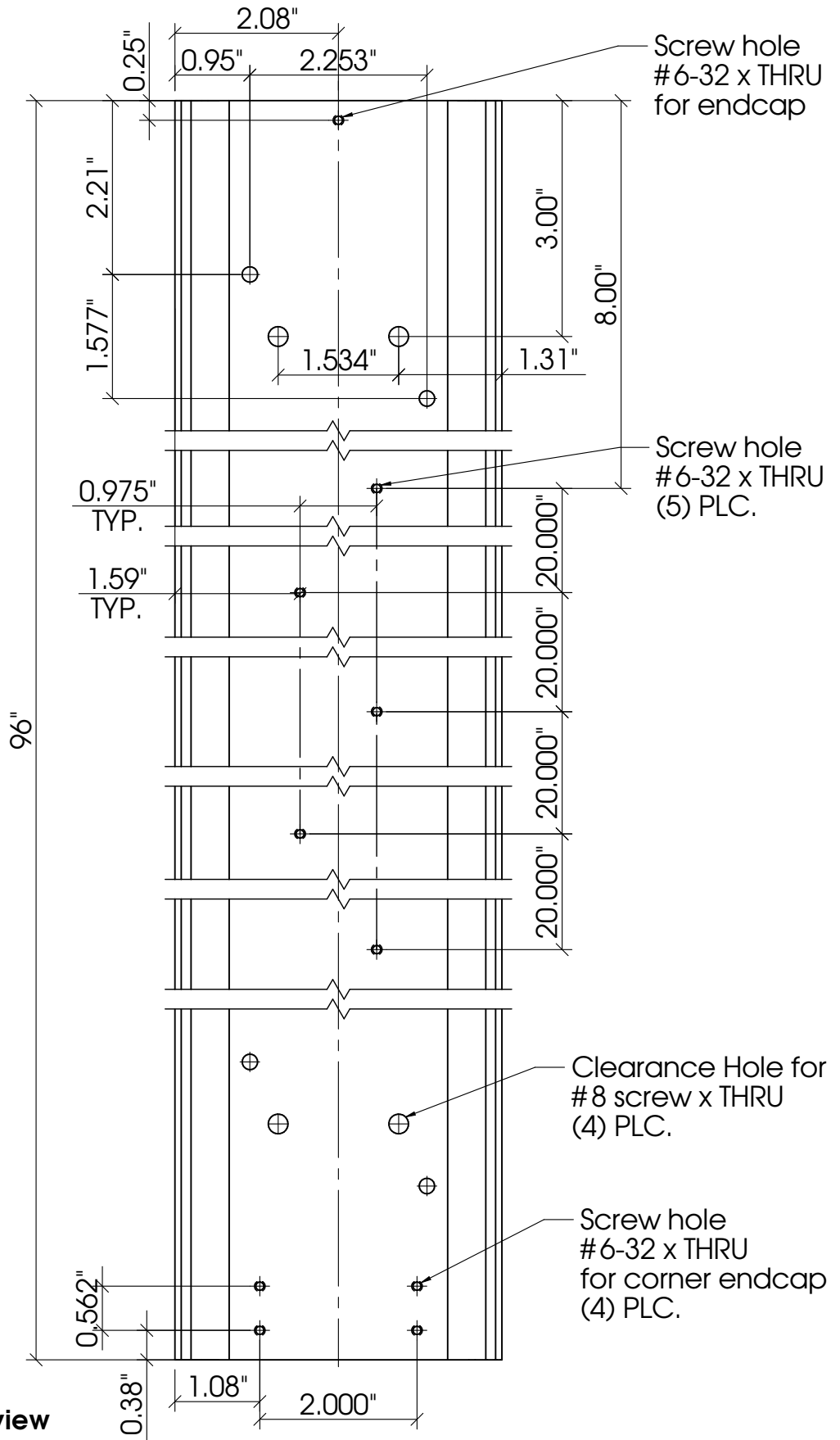
Parts List for Type-AA03 LED Module Assembly only			
Item no.	Quantity	Part Name	Description
1	1	Bocon extrusion AA08	96" long
2	1	Endcap for AA fixture	4.16" x 2" x 0.125"
3	2	Hex socket head screw for endcap AA fixture	#6-32 x 3/8"
4	1	LED tray	94.5" long
5	5	Hex socket head screw for LED tray	#6-32 x 3/4"
6	1	Acrylic Diffuser 8'	96"
7	2	Screw adjuster plate	2
8	4	Pan head screws for attaching module to screw adjuster plate	#8-32 x 3/8"
9	1	Endcap corner alignment	4.16" x 3.25" x 0.125"
10	4	Pan head screws for attaching corner endcap to Bocon extrusion	#6-32 x 3/8"

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	AA08 /Surprise Bocon surface and recessed/ Qty(4)	Scale	Page 10/34
Material	Aluminium	wherever unspecified	Drawn by Amandeep

**96" Bocon extrusion / Qty. 4
AA08**



Front view

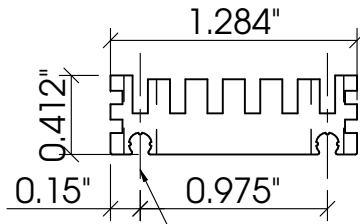


Bottom view

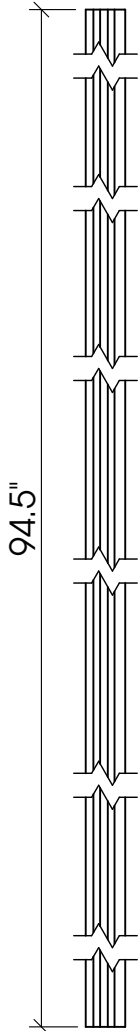
Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	96" Bocon extrusion / Type AA08 / Qty. (4)	Scale 1 : 2 <small>wherever unspecified</small>	Page 11/34
Material	Aluminium	Drawn by Amandeep	

**94.5" LED tray / Qty. 4
AA08**

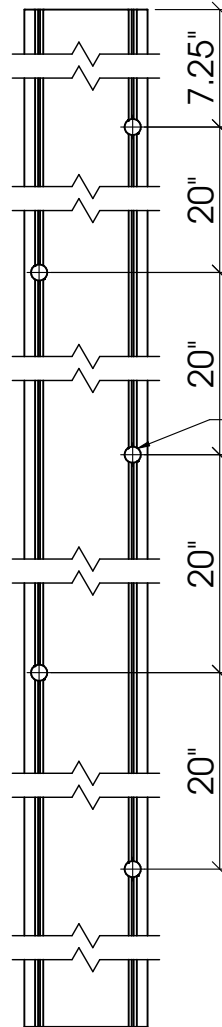
**Front view
Scale 1 : 1**



Clearance Hole for #6 screw x THRU (5) PLC.



Side view



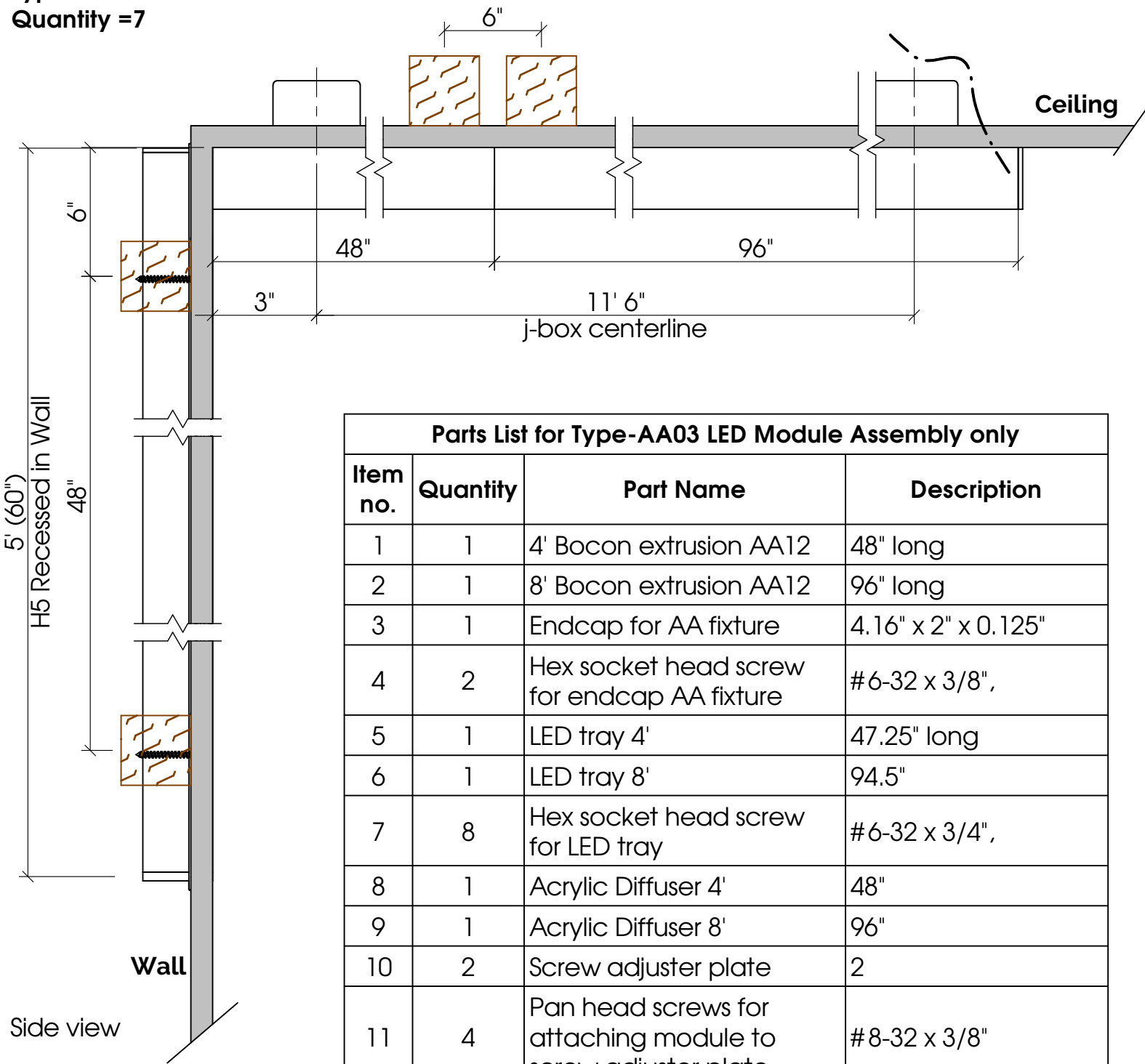
Clearance Hole for #6 screw x THRU (5) PLC.

Bottom view

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	94.5" LED tray / Type AA08 / Qty. (4)	Scale 1 : 2 wherever unspecified	Page 12/34
Material	Aluminium	Drawn by Amandeep	

Type AA12 + H5

Quantity =7

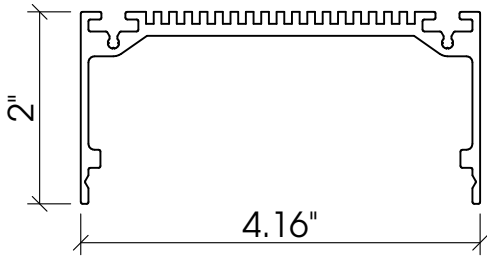


Parts List for Type-AA03 LED Module Assembly only

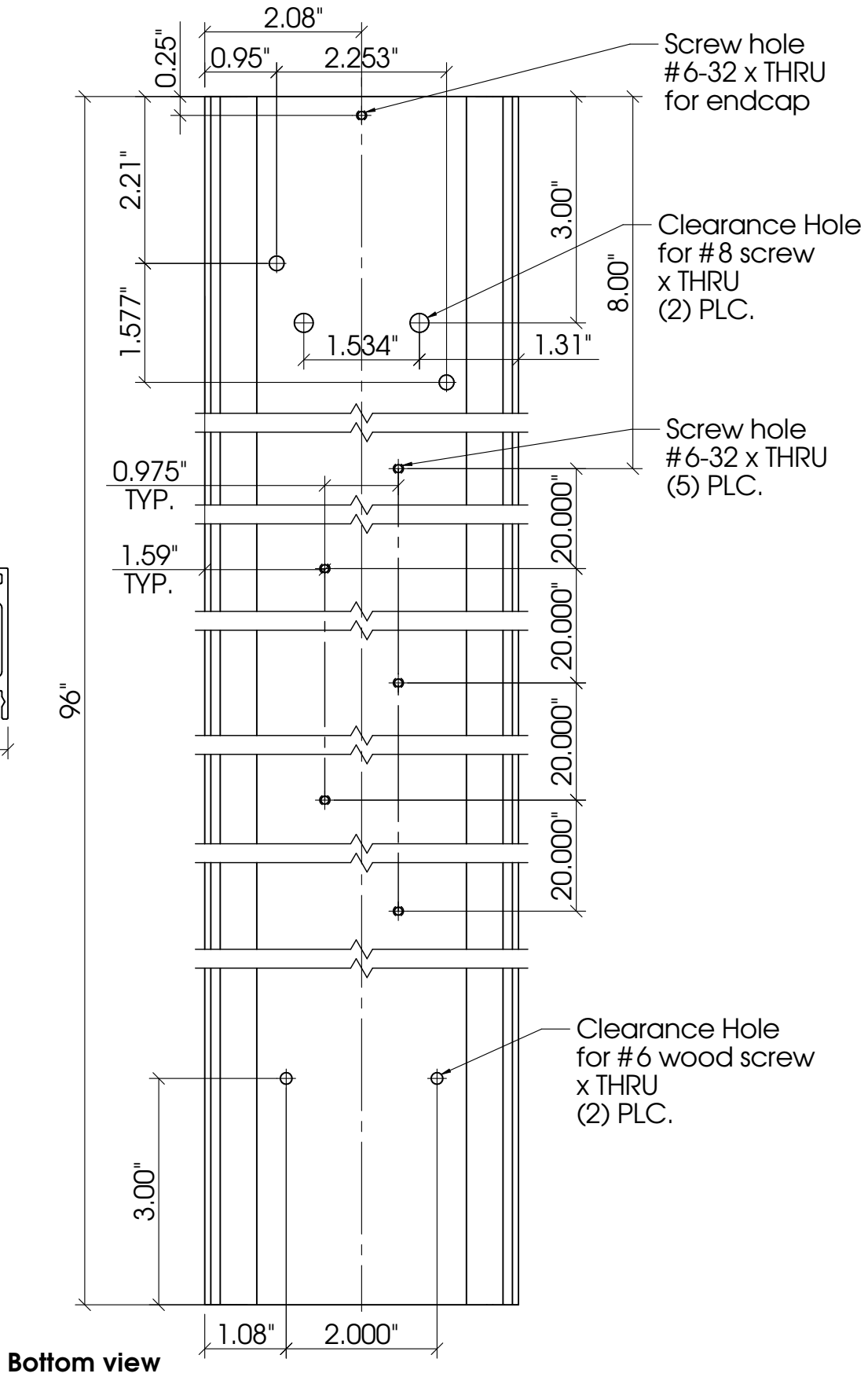
Item no.	Quantity	Part Name	Description
1	1	4' Bocon extrusion AA12	48" long
2	1	8' Bocon extrusion AA12	96" long
3	1	Endcap for AA fixture	4.16" x 2" x 0.125"
4	2	Hex socket head screw for endcap AA fixture	#6-32 x 3/8"
5	1	LED tray 4'	47.25" long
6	1	LED tray 8'	94.5"
7	8	Hex socket head screw for LED tray	#6-32 x 3/4"
8	1	Acrylic Diffuser 4'	48"
9	1	Acrylic Diffuser 8'	96"
10	2	Screw adjuster plate	2
11	4	Pan head screws for attaching module to screw adjuster plate	#8-32 x 3/8"
12	1	Endcap corner alignment	4.16" x 3.25" x 0.125"
13	4	Pan head screws for attaching corner endcap to Bocon extrusion	#6-32 x 3/8"

Project	Johns Hopkins All Childrens Research Tampa FL	Date	6.13.17
Type/ Description	AA12 / Surprise Bocon surface and recessed/ Qty(7)	Scale 1 : 2 wherever unspecified	Page 13/34
Material	Aluminium	Drawn by Amandeep	

**96" Bocon extrusion / Qty. 7
AA12**

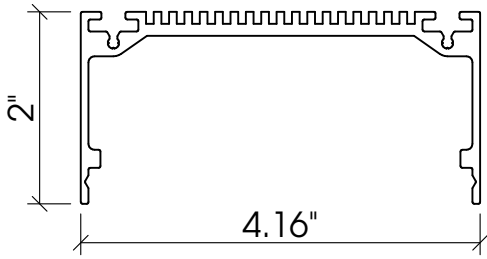


Front view

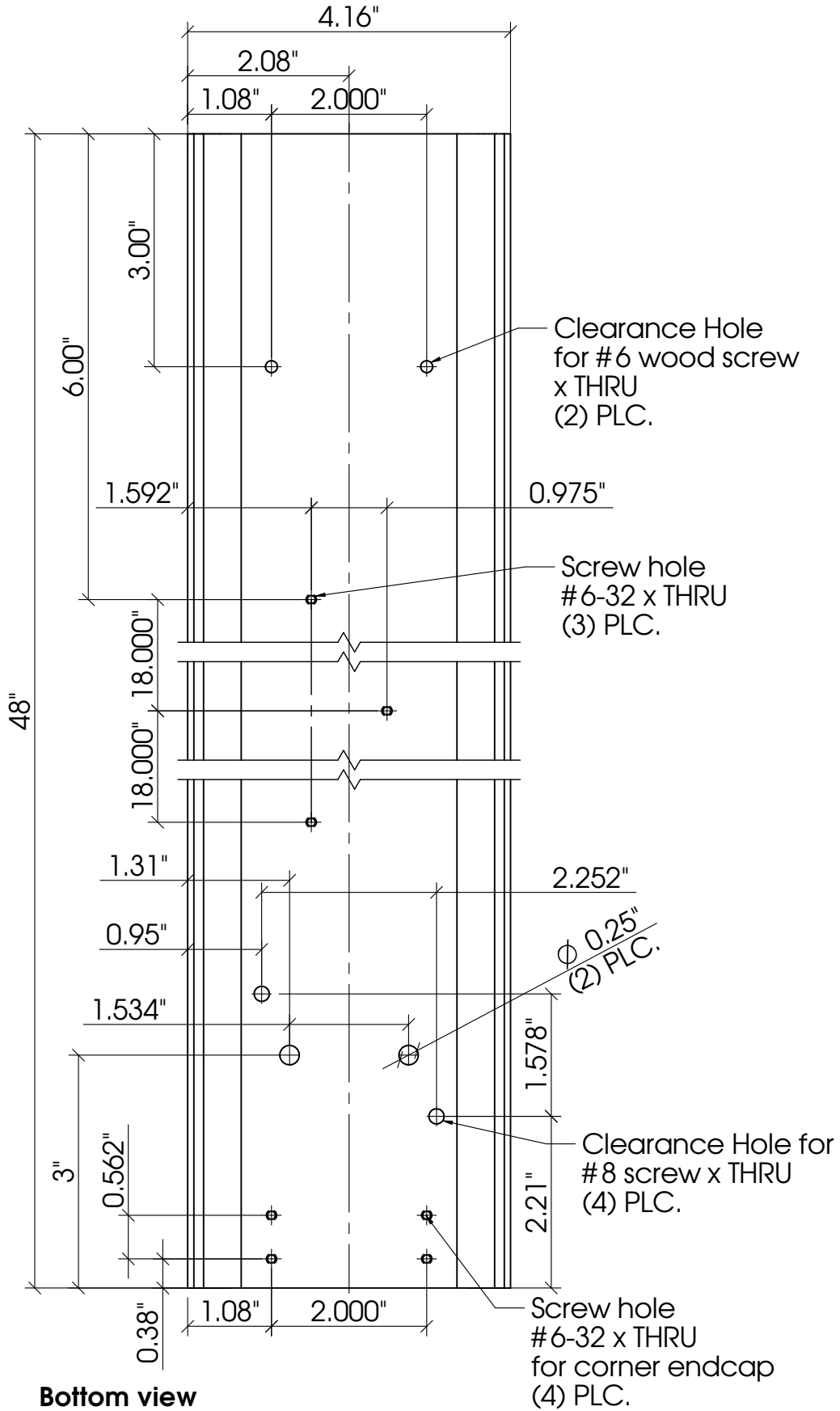


Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Bocon extrusion 8' / Type AA12 / Qty. (7)	Scale 1 : 2 <small>wherever unspecified</small>	Page 14/34
Material	Aluminium	Drawn by Amandeep	

48" Bocon extrusion / Qty. 7



Front view



Bottom view



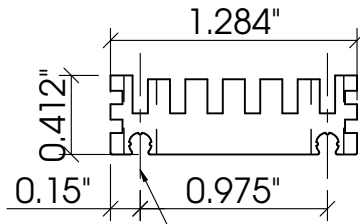
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Shop drawings

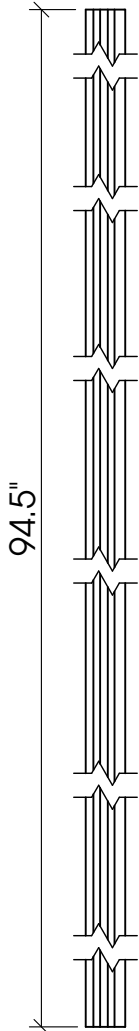
Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Bocon extrusion 4' / Type AA12 / Qty. (7)	Scale 1 : 2 wherever unspecified	Page 15/34
Material	Aluminium	Drawn by Amandeep	

94.5" LED tray / Qty. 7

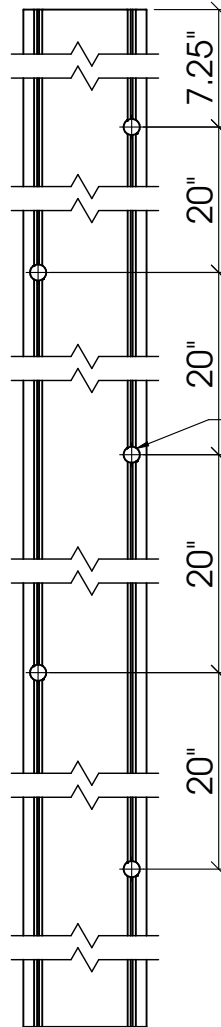
Front view
Scale 1 : 1



Clearance Hole for
#6 screw x THRU
(5) PLC.



Side view



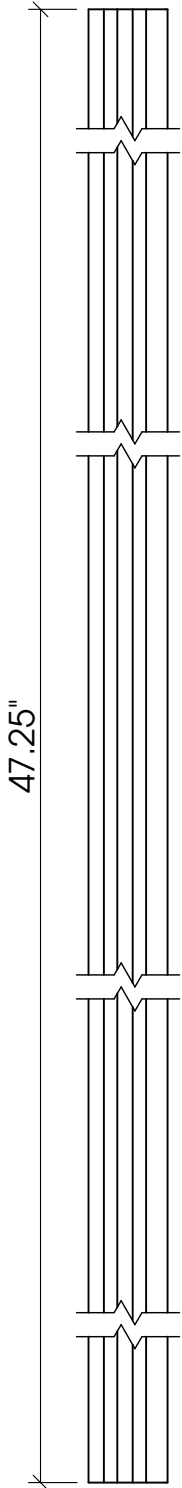
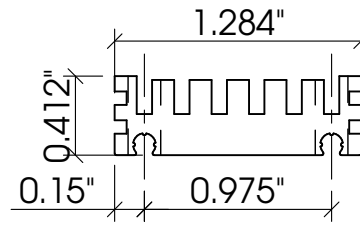
Clearance Hole for
#6 screw x THRU
(5) PLC.

Bottom view

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	LED tray 8' / Type AA12 / Qty. (7)	Scale 1 : 2 wherever unspecified	Page 16/34
Material	Aluminium	Drawn by Amandeep	

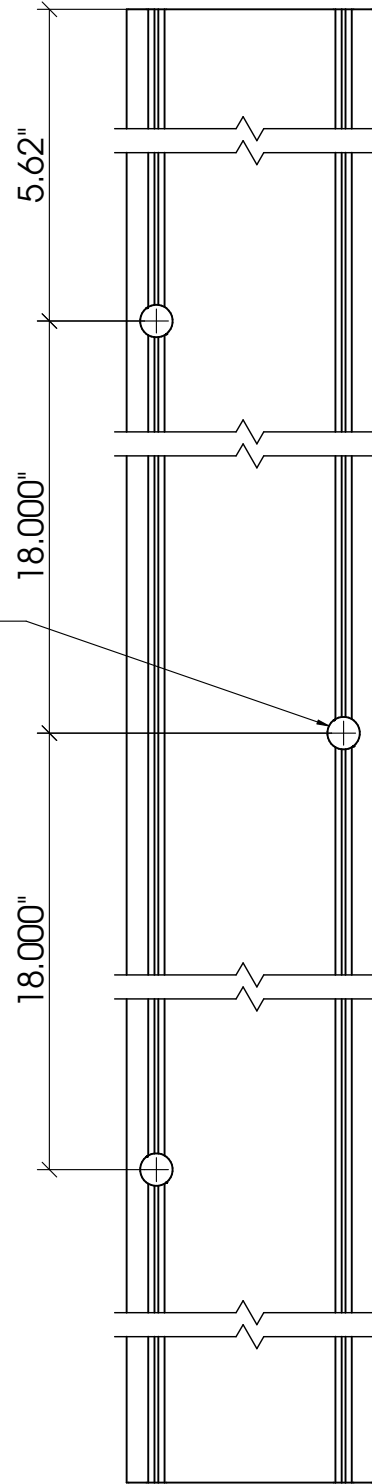
47.25" LED tray / Qty. 7

Front view



Side view

Clearance Hole for #6 screw x THRU (3) PLC.



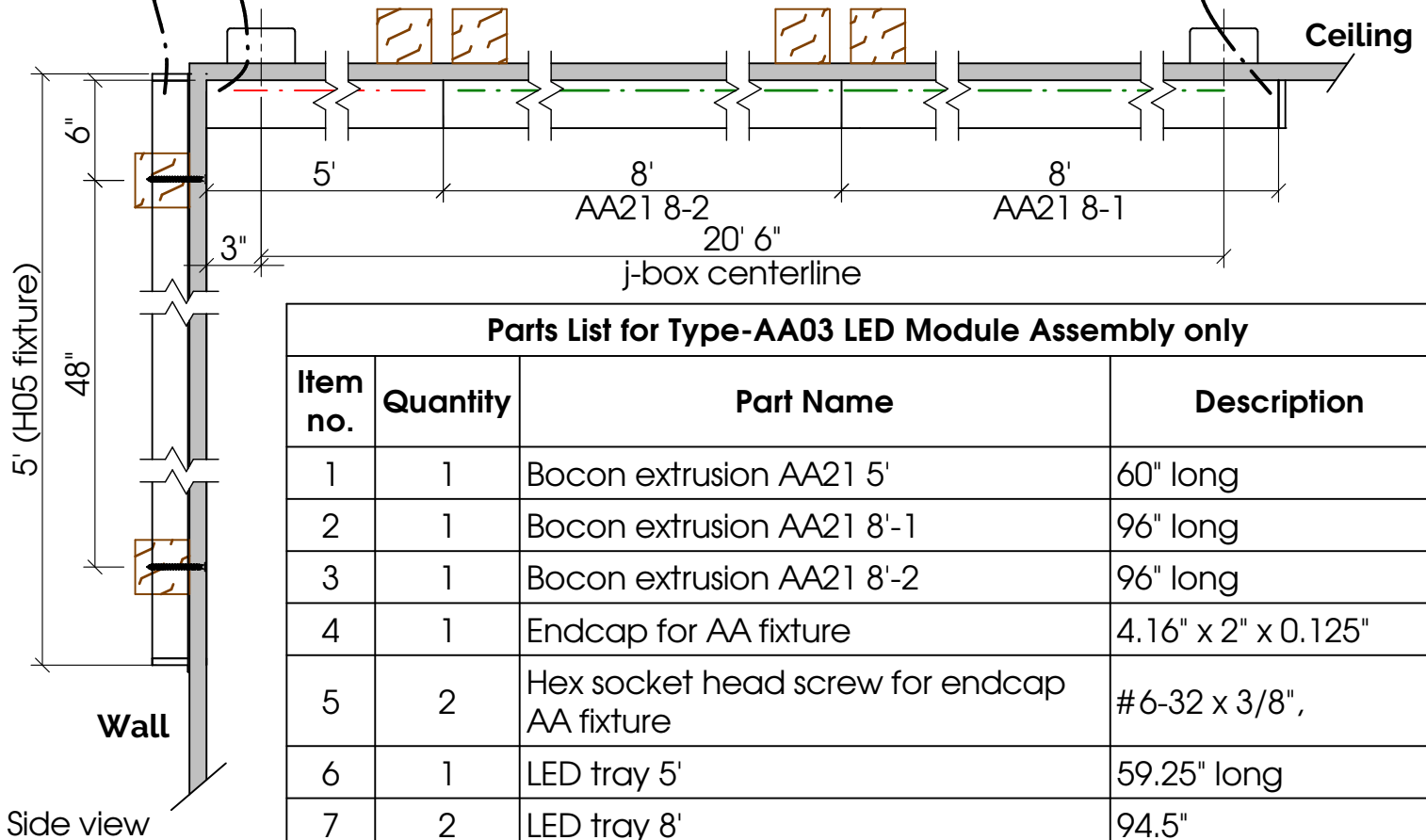
Bottom view

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	LED tray 4' / Type AA12 / Qty. (7)	Scale 1 : 1 wherever unspecified	Page 17/34
Material	Aluminium	Drawn by Amandeep	

Type AA21 + H5
Quantity = 1

(1) PWM-90-24 Remote Driver to power 10' LED tape, at ceiling

(1) PWM-90-24 Remote Driver to power 16' LED tape, at ceiling

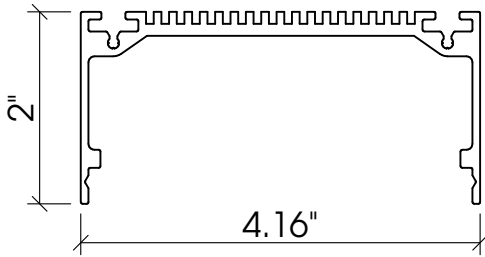


Parts List for Type-AA03 LED Module Assembly only

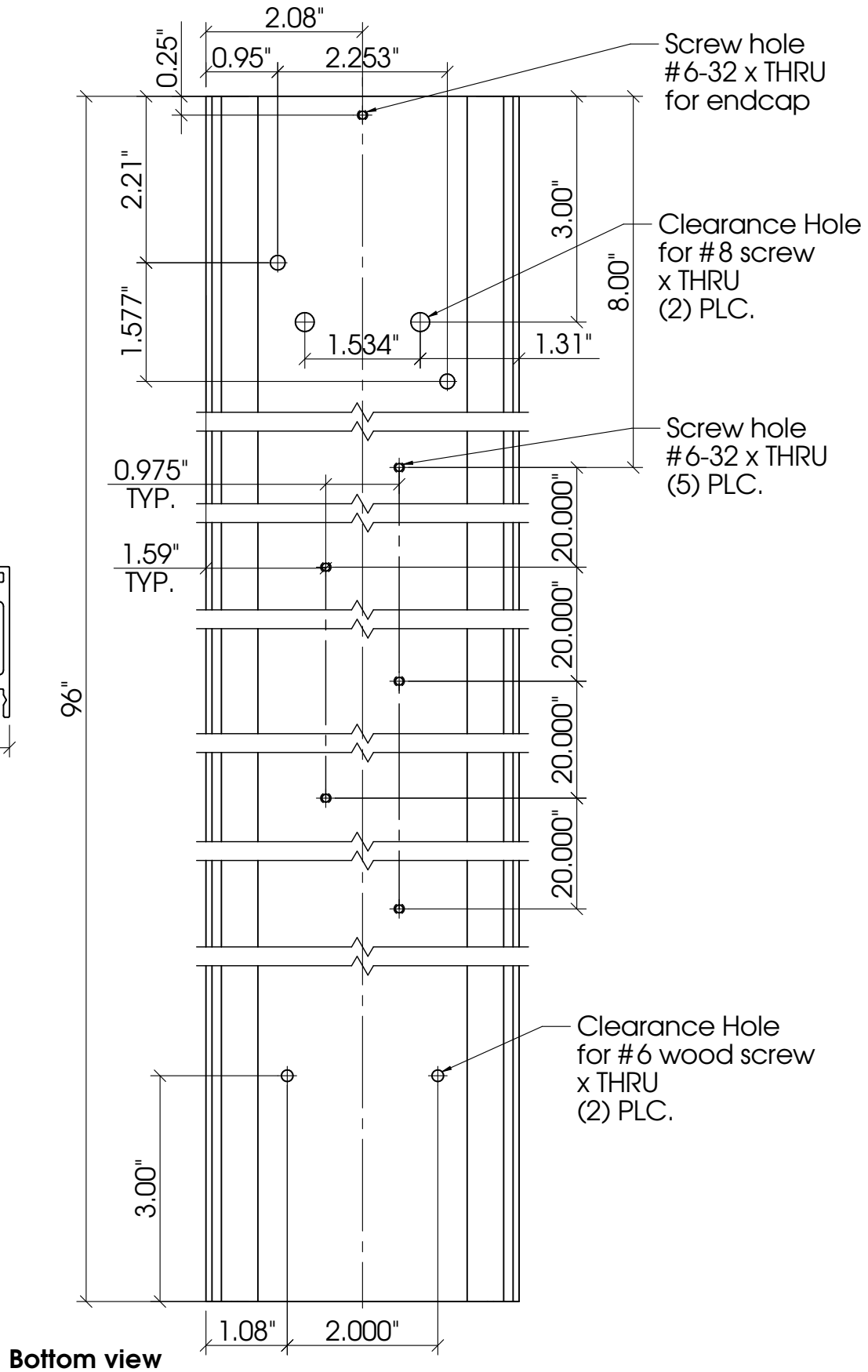
Item no.	Quantity	Part Name	Description
1	1	Bocon extrusion AA21 5'	60" long
2	1	Bocon extrusion AA21 8'-1	96" long
3	1	Bocon extrusion AA21 8'-2	96" long
4	1	Endcap for AA fixture	4.16" x 2" x 0.125"
5	2	Hex socket head screw for endcap AA fixture	#6-32 x 3/8"
6	1	LED tray 5'	59.25" long
7	2	LED tray 8'	94.5"
8	15	Hex socket head screw for LED tray	#6-32 x 3/4"
9	1	Acrylic Diffuser 5'	60"
10	2	Acrylic Diffuser 8'	96"
11	2	Screw adjuster plate	2
12	4	Pan head screws for attaching module to screw adjuster plate	#8-32 x 3/8"
13	1	Endcap corner alignment	4.16" x 3.25" x 0.125"
14	4	Pan head screws for attaching corner endcap to Bocon extrusion	#6-32 x 3/8"

Project	Johns Hopkins All Childrens Research Tampa FL	Date	6.13.17
Type/ Description	AA21/ Surprise Bocon surface and recessed/ Qty(1)	Scale	Page 18/34
Material	Aluminium	wherever unspecified	Drawn by Amandeep

**96" Bocon extrusion / Qty. 1
AA21**



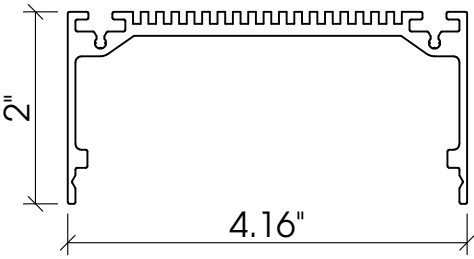
Front view



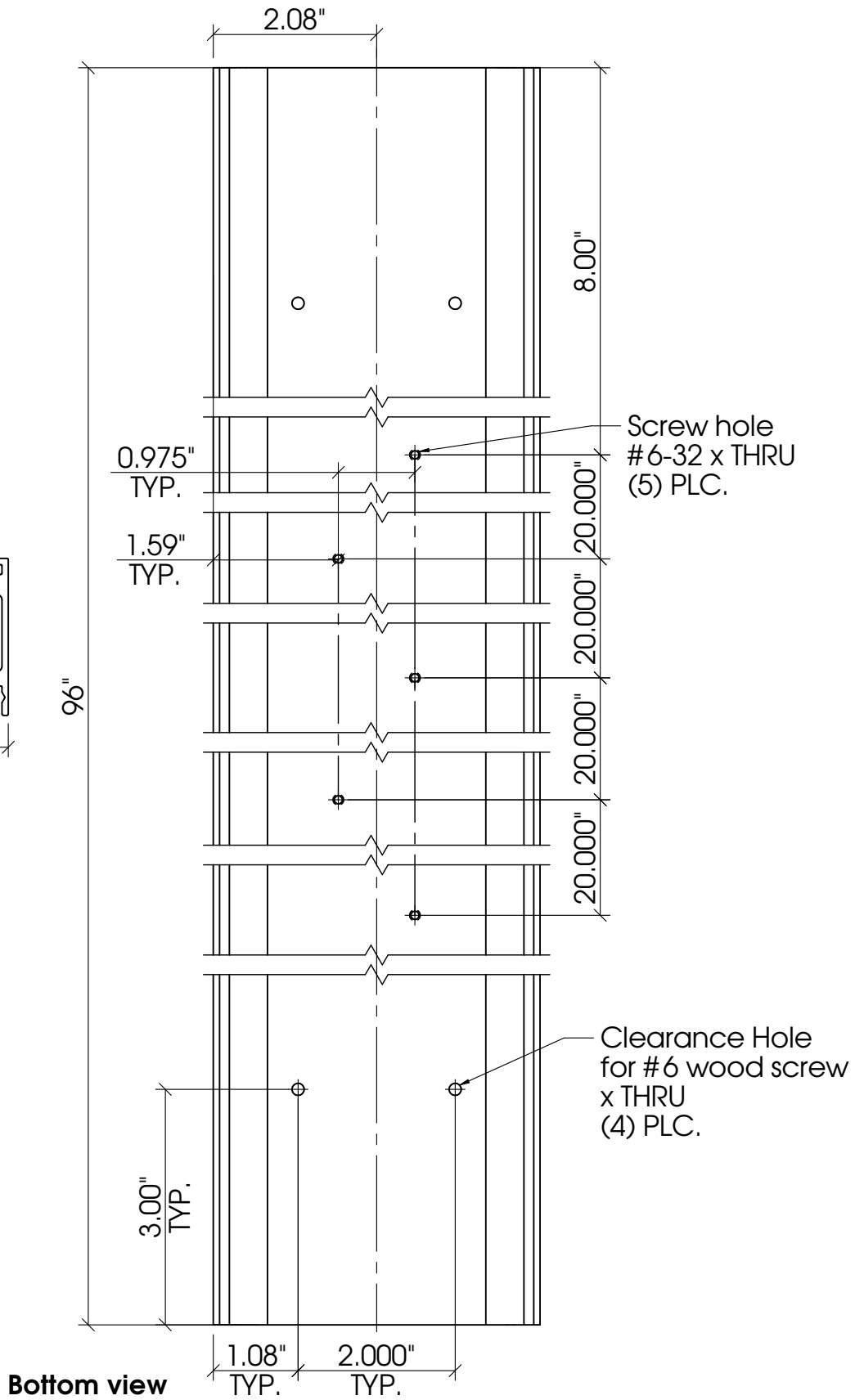
Bottom view

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Bocon extrusion 8'-1 / Type AA21 / Qty. (1)	Scale 1 : 2 wherever unspecified	Page 19/34
Material	Aluminium	Drawn by Amandeep	

**96" Bocon extrusion / Qty. 1
AA21**

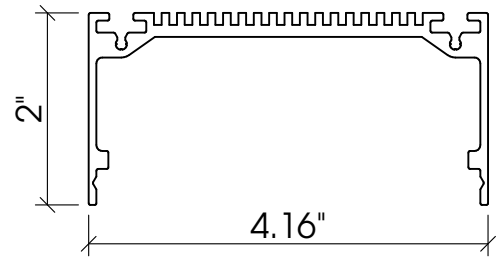
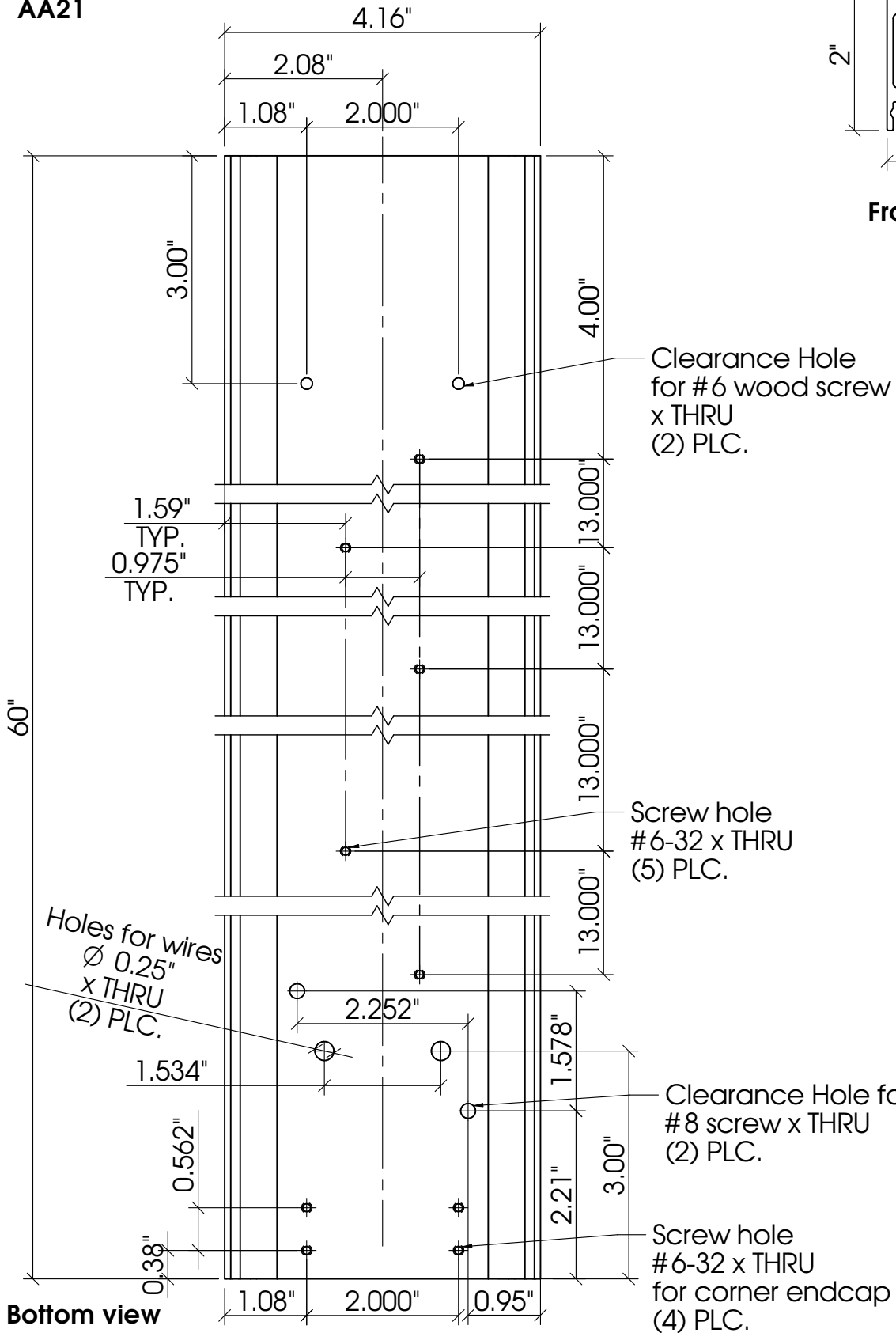


Front view



Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Bocon extrusion 8'-2 / Type AA21 / Qty. (1)	Scale 1 : 2 wherever unspecified	Page 20/34
Material	Aluminium	Drawn by Amandeep	

60" Bocon extrusion / Qty. 1
AA21



Front view

Clearance Hole for #6 wood screw x THRU (2) PLC.

Screw hole #6-32 x THRU (5) PLC.

Clearance Hole for #8 screw x THRU (2) PLC.

Screw hole #6-32 x THRU for corner endcap (4) PLC.

Holes for wires \varnothing 0.25" x THRU (2) PLC.

Bottom view



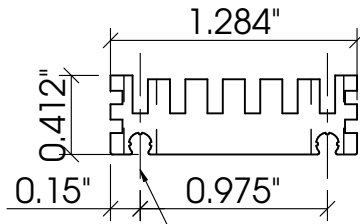
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Shop drawings

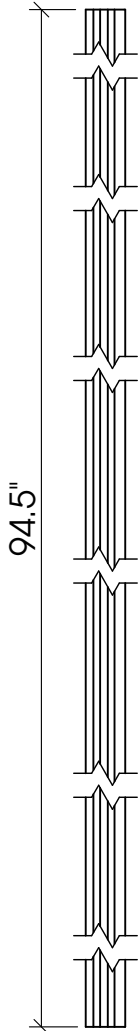
Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Bocon extrusion 5' / Type AA21 / Qty. (1)	Scale 1 : 2 wherever unspecified	Page 21/34
Material	Aluminium	Drawn by Amandeep	

94.5" LED tray / Qty. 2
AA21

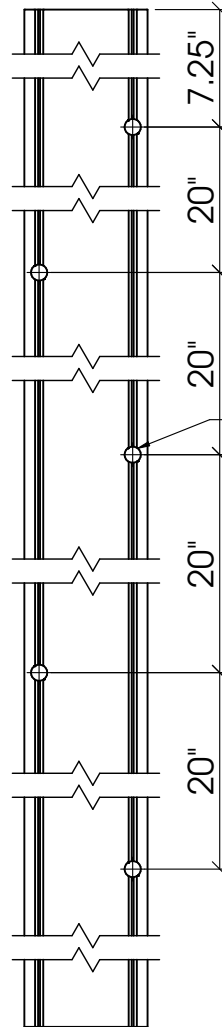
Front view
Scale 1 : 1



Clearance Hole for
 #6 screw x THRU
 (5) PLC.



Side view



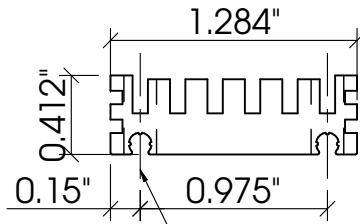
Clearance Hole for
 #6 screw x THRU
 (5) PLC.

Bottom view

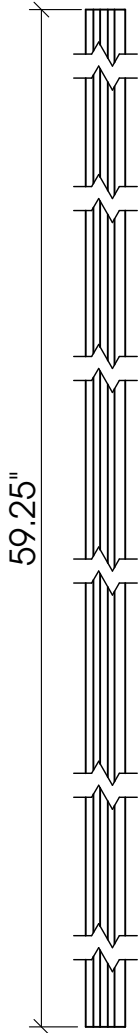
Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	8' LED tray / Type AA21 / Qty. (2)	Scale 1 : 2 wherever unspecified	Page 22/34
Material	Aluminium	Drawn by Amandeep	

59.25" LED tray / Qty. 1
AA21

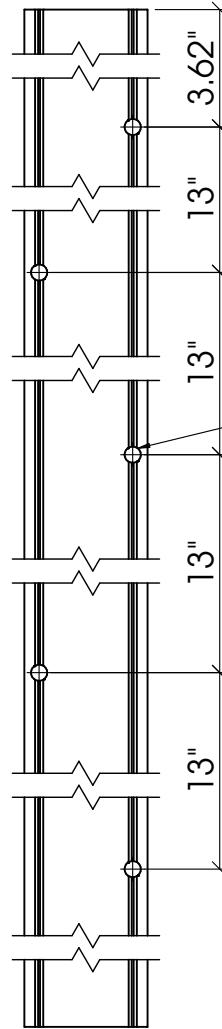
Front view
Scale 1 : 1



Clearance Hole for
#6 screw x THRU
(5) PLC.



Side view

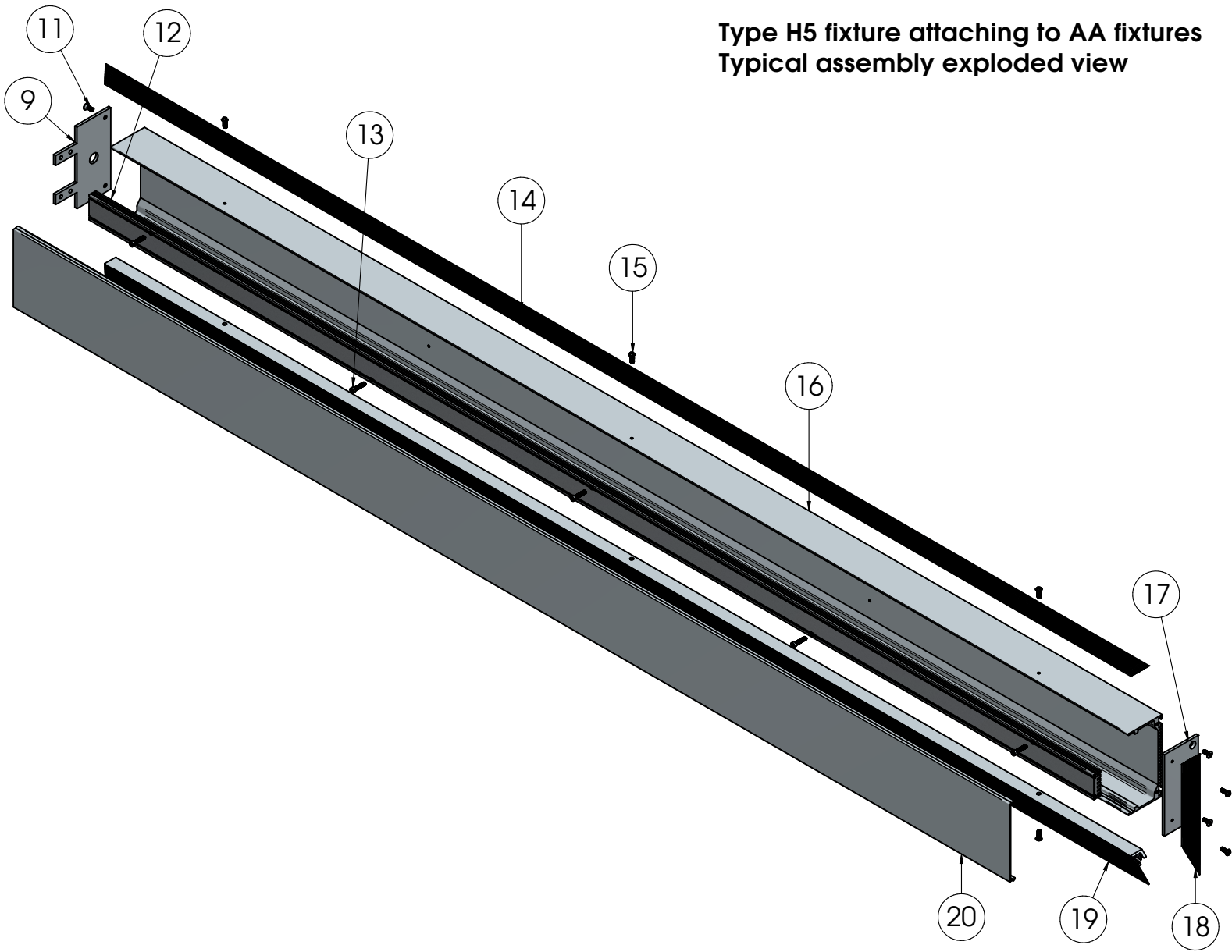


Clearance Hole for
#6 screw x THRU
(5) PLC.

Bottom view

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	5' LED tray / Type AA21 / Qty. (1)	Scale 1 : 2 wherever unspecified	Page 23/34
Material	Aluminium	Drawn by Amandeep	

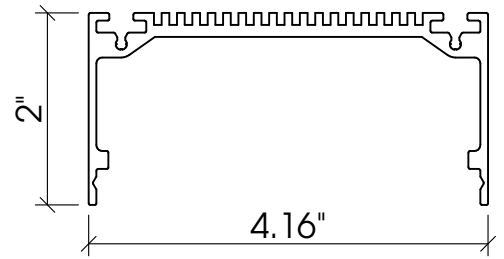
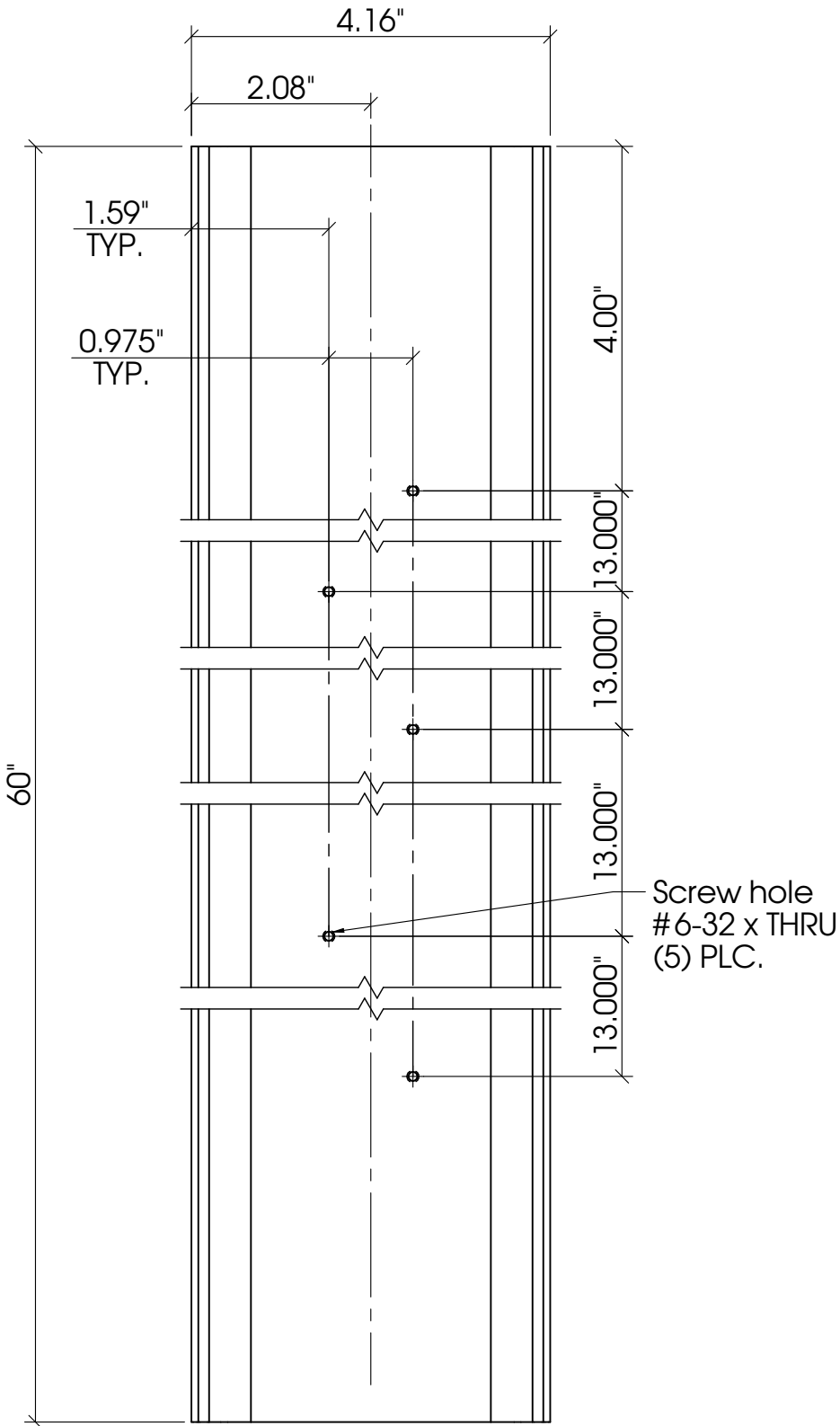
**Type H5 fixture attaching to AA fixtures
Typical assembly exploded view**



Parts List for (14) Type-H5(with AA) LED Module Assembly

Item no.	Quantity	Part Name	Description
11	56	Flat socket head screw for endcaps	6-32 x 3/8"
12	14	LED tray	59.25" long
13	70	Hex socket head screw for LED tray	#6-32 x 3/4",
14	14	Trimless dry extrusion mitered right	61.5" long
15	112	Pan head screws for trimless frame	#6-32 x 3/8",
16	14	60" Bocon extrusion for H5	60" long
17	14	Endcap lower for H5 fixture	4.16" x 2" x 1/8"
18	14	Trimless dry extrusion mitered both ends	6.16"
19	14	Trimless dry extrusion mitered left	61.5" long
20	14	Diffuser	60" long

60" Bocon extrusion / Qty. 14
H5 with AA



Front view

Bottom view

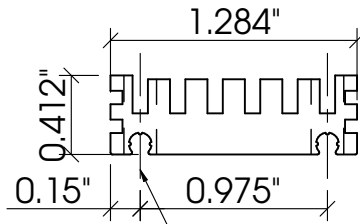
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Shop drawings

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Bocon extrusion 5' / Type H5-AA / Qty. (14)	Scale 1 : 2 wherever unspecified	Page 25/34
Material	Aluminium	Drawn by Amandeep	

59.25" LED tray / Qty. 14
H5 with AA

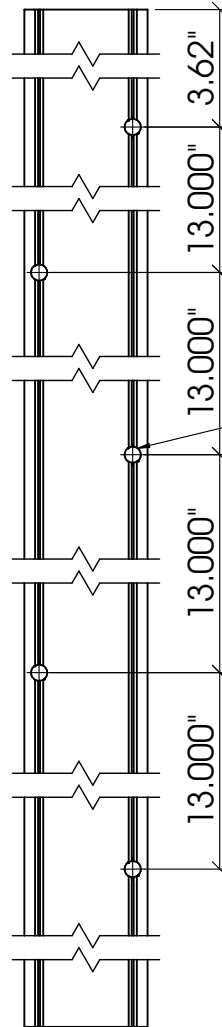
Front view
Scale 1 : 1



Clearance Hole for
#6 screw x THRU
(5) PLC.



Side view



Clearance Hole for
#6 screw x THRU
(5) PLC.

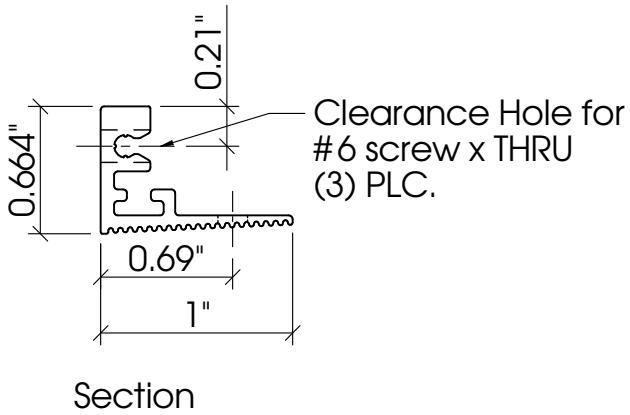
Bottom view

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	5' LED tray / Type H5 / Qty. (14)	Scale 1 : 2 wherever unspecified	Page 26/34
Material	Aluminium	Drawn by Amandeep	

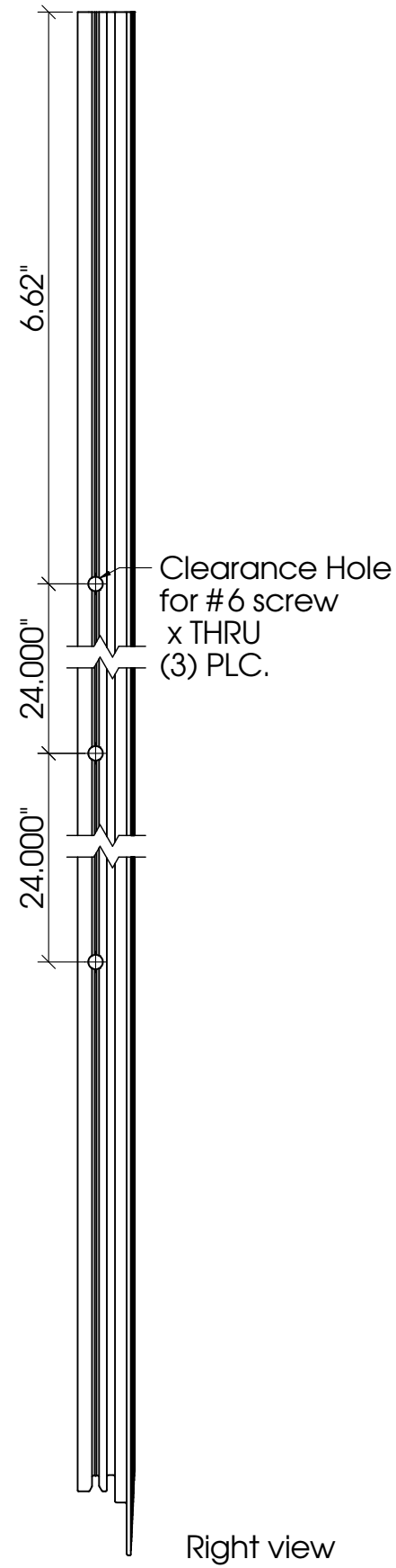
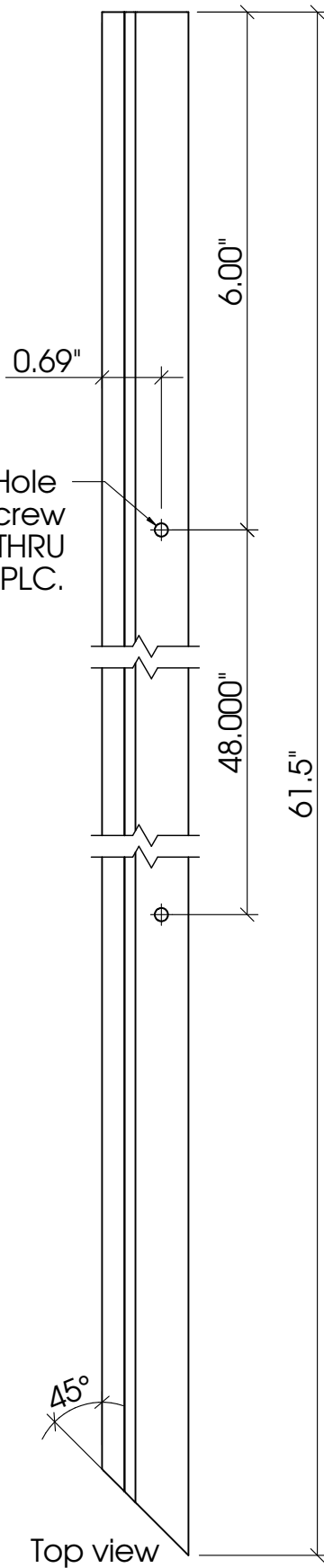
Trimless dry extusion mitered right

Qty. 14

H5 with AA



Clearance Hole for #6 wood screw x THRU (2) PLC.

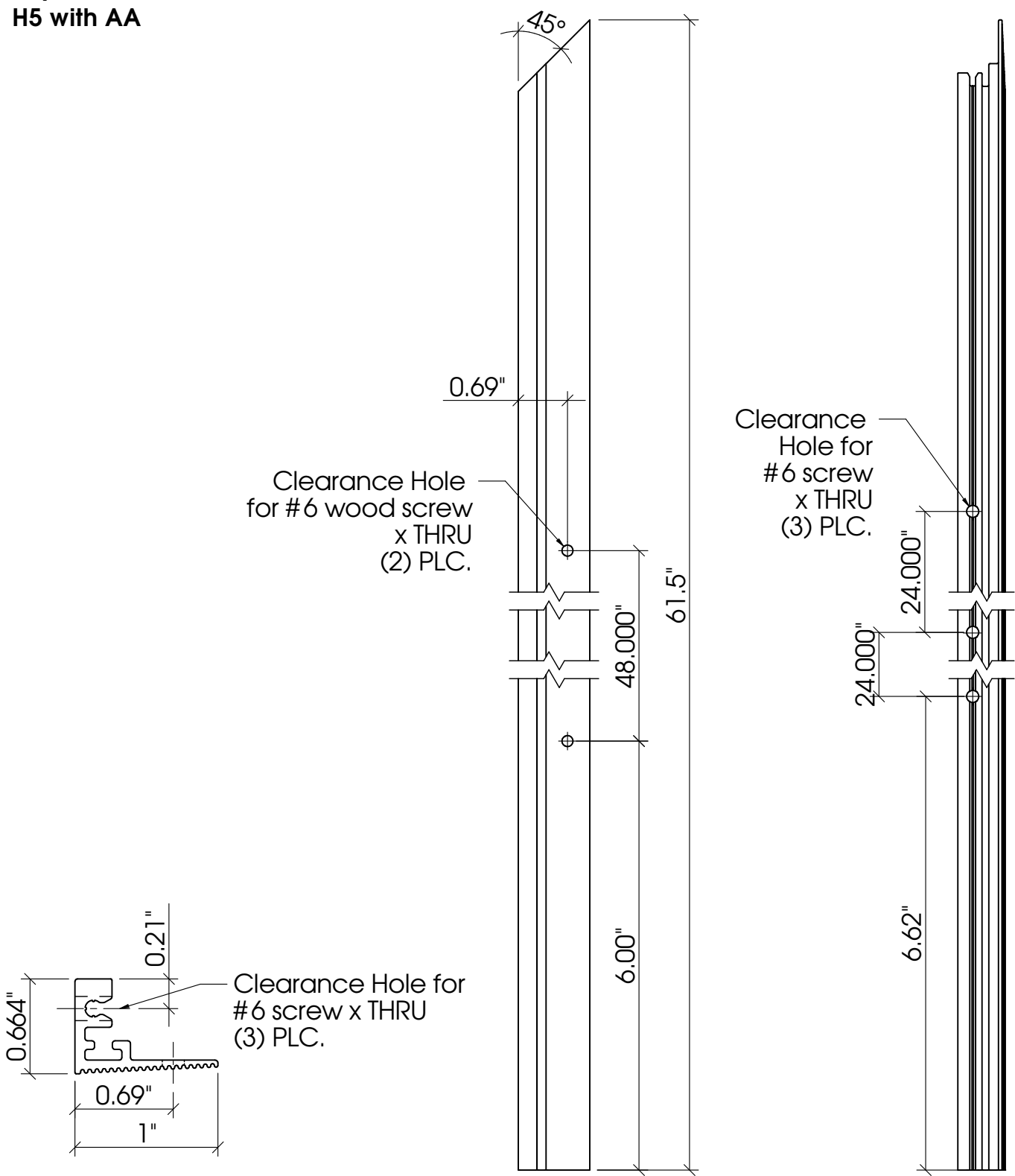


Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Trimless dry mitered Right / Type H5 / Qty. (14)	Scale 1 : 2 wherever unspecified	Page 27/34
Material	Aluminium	Drawn by Amandeep	

Trimless dry extusion mitered left

Qty. 14

H5 with AA



Section

Top view

Right view



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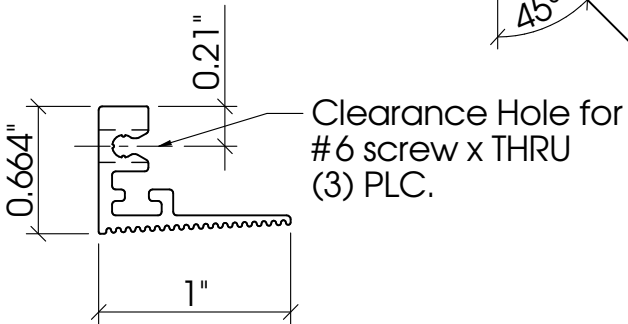
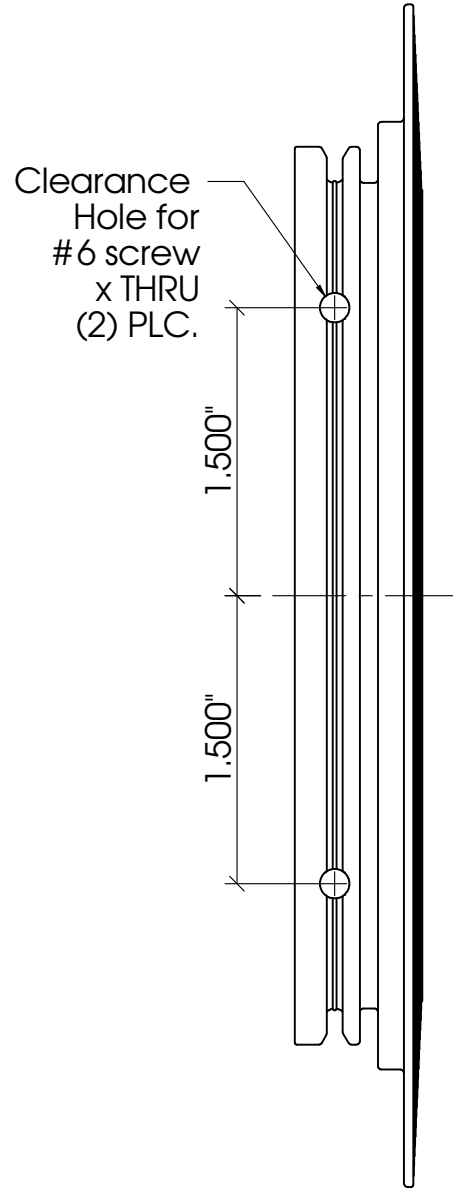
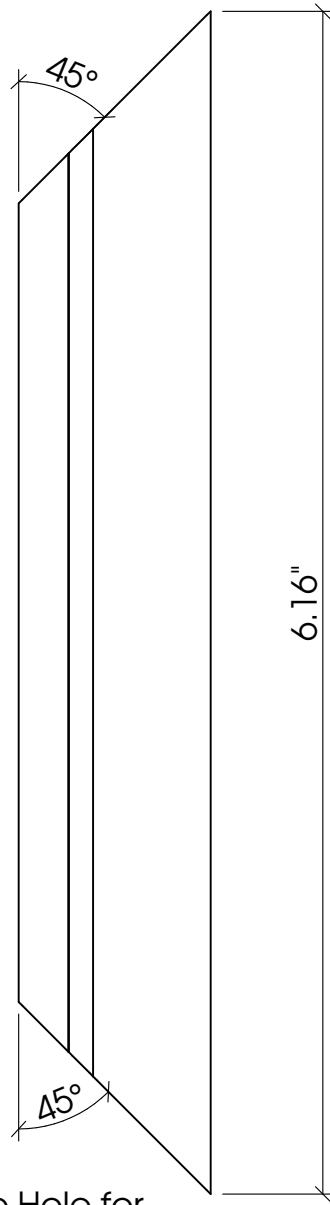
Shop drawings

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Trimless dry mitered left/ Type H5 / Qty. (14)	Scale 1 : 2 wherever unspecified	Page 28/34
Material	Aluminium	Drawn by Amandeep	

Trimless dry extusion mitered both ends

Qty. 14

H5 with AA



Section

Top view

Right view

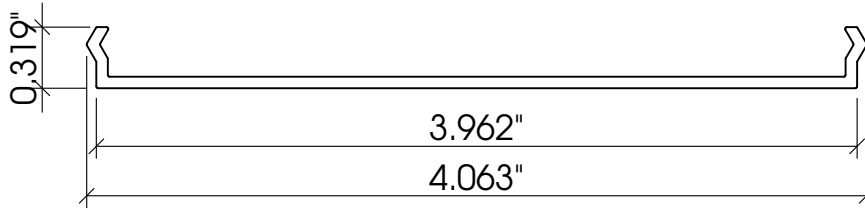
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Shop drawings

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Trimless dry mitered both ends / Type H5 / Qty. (14)	Scale 1 : 1 wherever unspecified	Page 29/34
Material	Aluminium	Drawn by Amandeep	

**Acrylic diffuser
For type AA with H5**

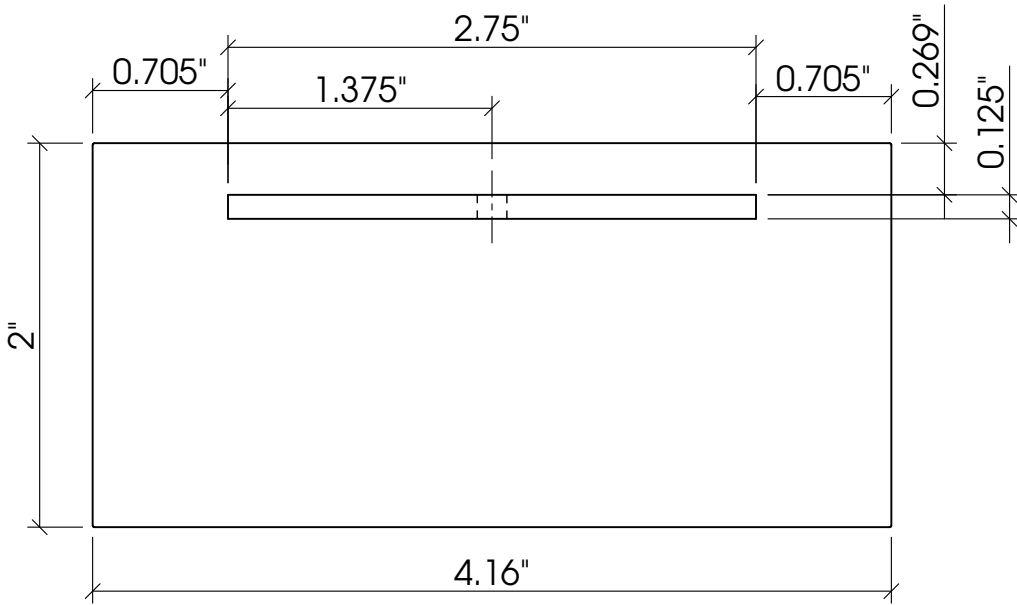


Diffusers for Type AA + H5 assembly							
Diffuser Length	AA03	AA06	AA08	AA12	AA21	H5	Total
36"	1	-	-	-	-	-	1
48"	-	-	-	7	-	-	7
60"	-	-	-	-	1	14	15
72"	-	1	-	-	-	-	1
96"	-	-	4	7	2	-	13

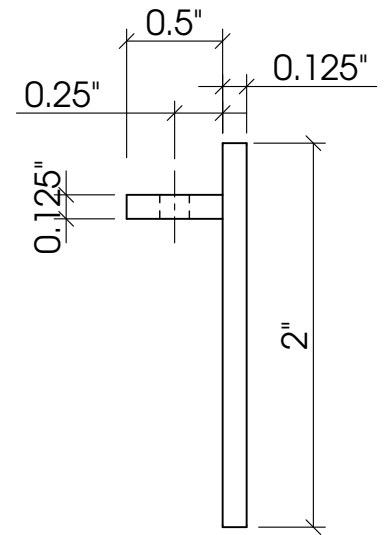
Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Acrylic diffuser / Type AA and H5	Scale 1 : 1 <small>wherever unspecified</small>	Page 30/34
Material	Acrylic	Drawn by Amandeep	

Endcap for Surprise Bocon Surface

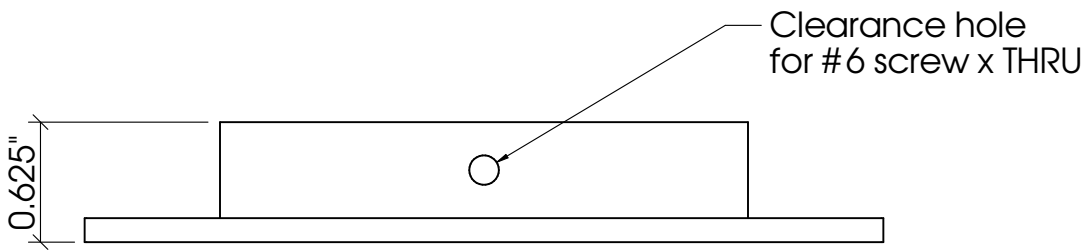
Qty = 14



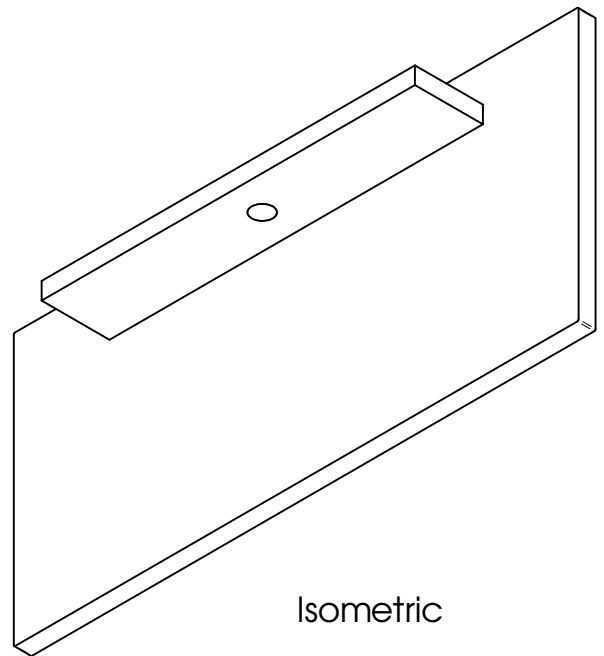
Front view



Right side view



Bottom view

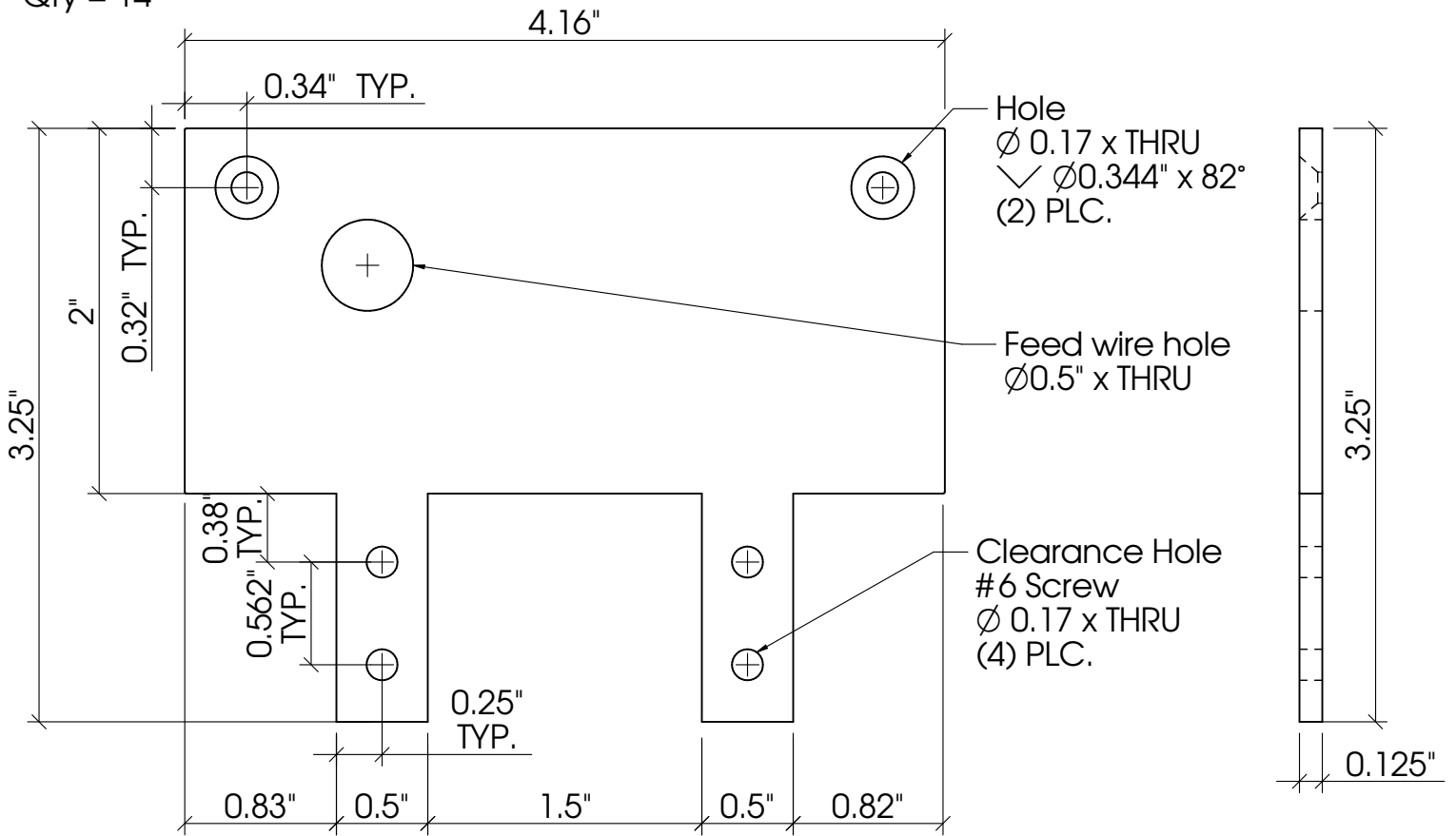


Isometric

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Endcap for surface bocon / Type AA / Qty. (14)	Scale 1 : 1 <small>wherever unspecified</small>	Page 31/34
Material	Aluminium	Drawn by Amandeep	

Top Endcap at 90deg corner for Surprise Bocon recessed

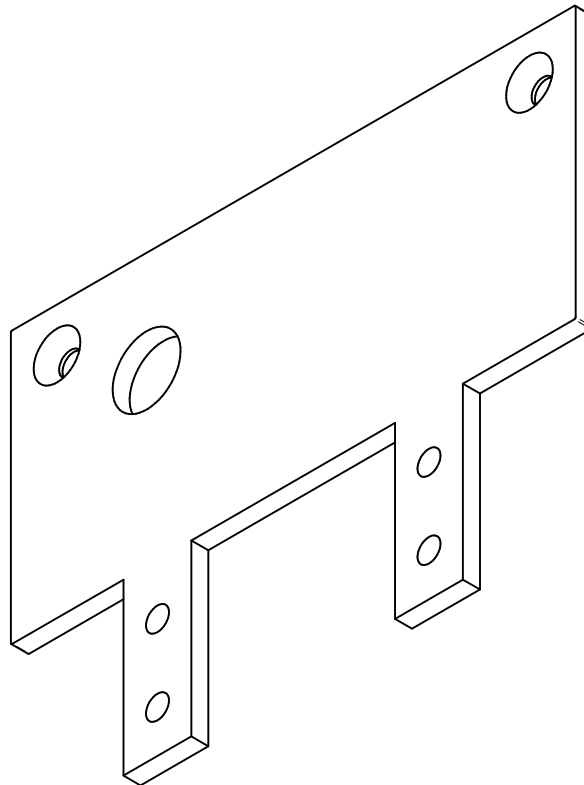
Qty = 14



Front view

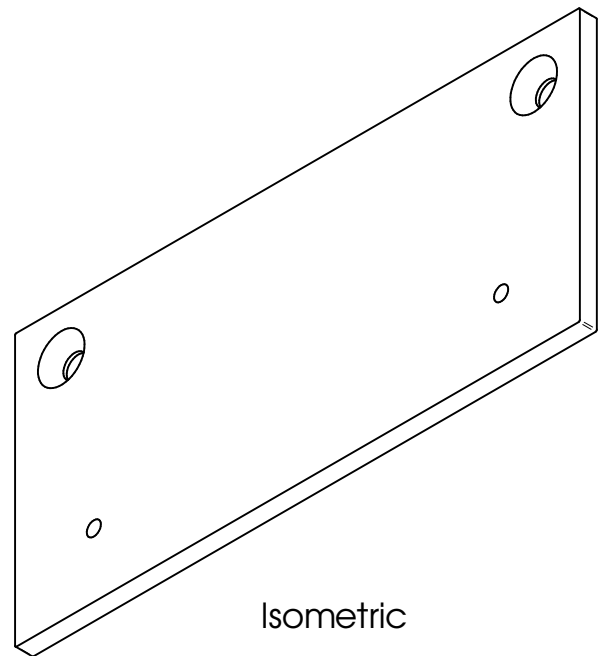
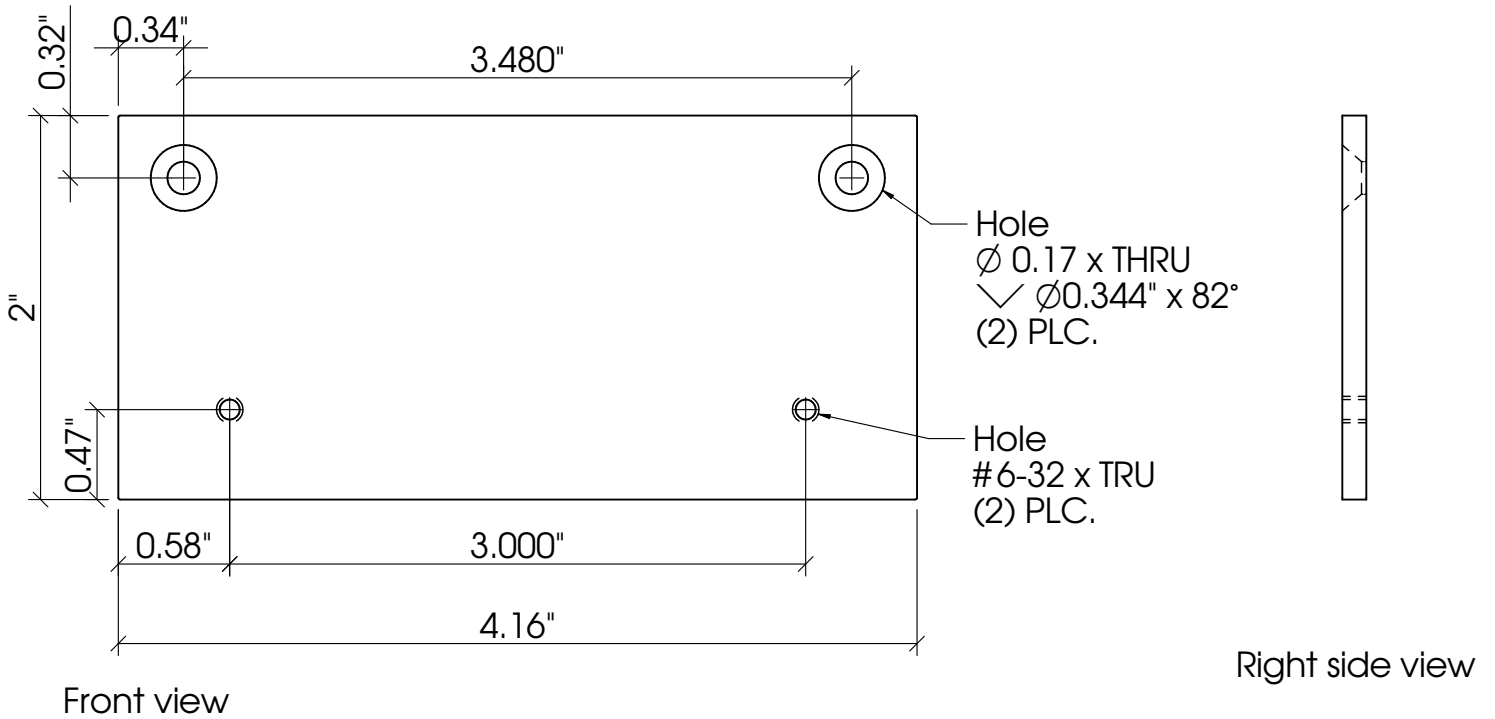
Right side view

Isometric



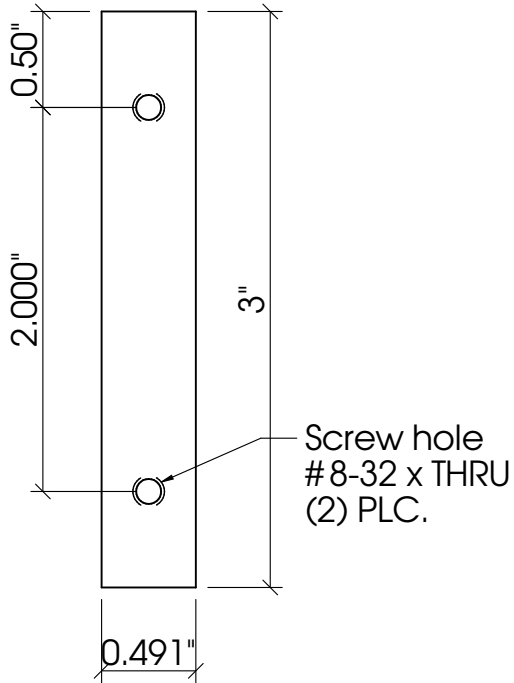
Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Endcap at type AA and H5 corner / Qty. (14)	Scale 1 : 1 wherever unspecified	Page 32/34
Material	Aluminium	Drawn by Amandeep	

Bottom Endcap for Surprise Bocon recessed (Qty = 14)

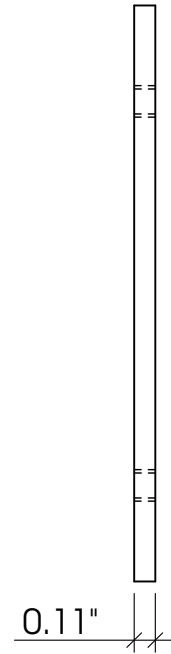


Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Endcap at lower end of Type H5 fixture/ Qty. (14)	Scale 1 : 1 wherever unspecified	Page 33/34
Material	Aluminium	Drawn by Amandeep	

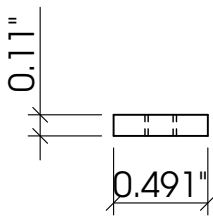
Alignment bar / Qty. 18



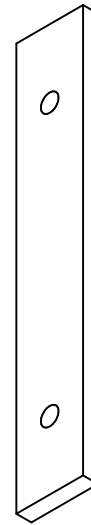
Front view



Side view



Bottom view



Isometric view

Project	Johns Hopkins All Childrens Research Tampa FL	Date	7.5.17
Type/ Description	Alignment bar / Type AA / Qty. (18)	Scale 1 : 1 <small>wherever unspecified</small>	Page 34/34
Material	Aluminium	Drawn by Amandeep	