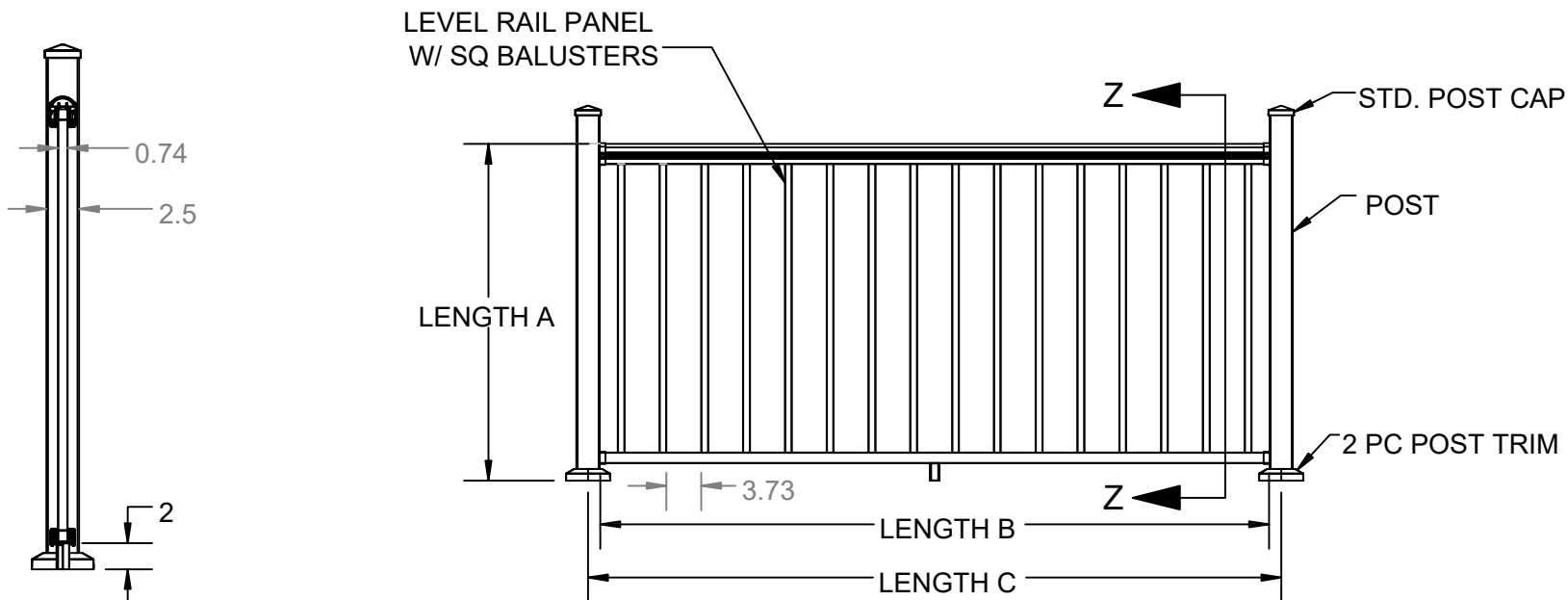
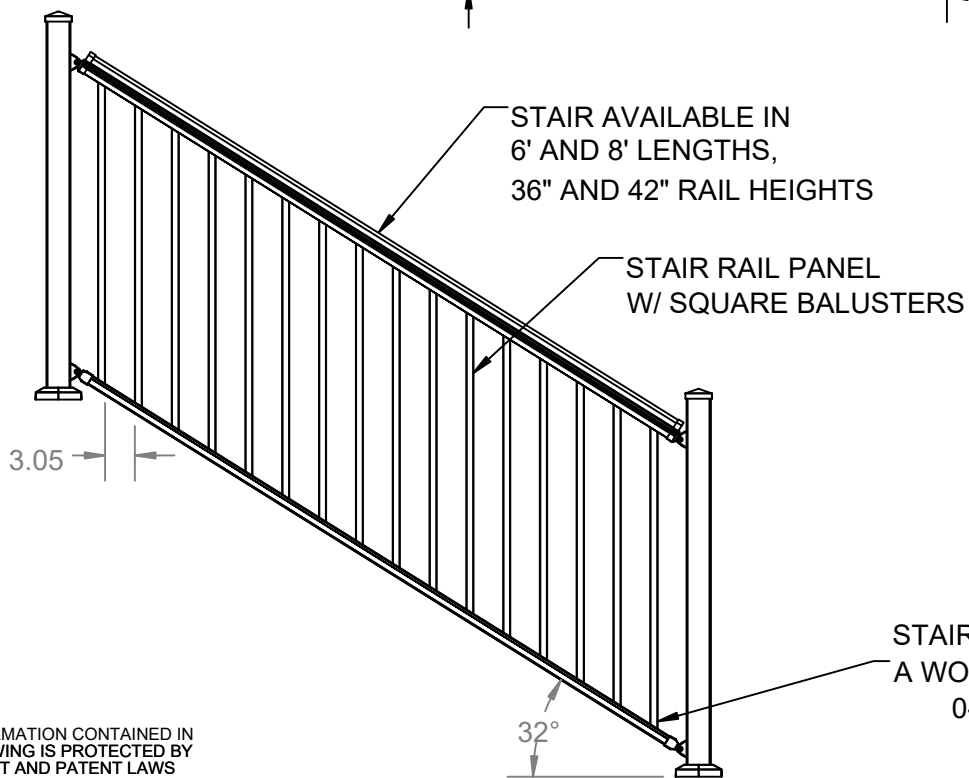


AVALON ALUMINUM RAIL AND BALUSTER DETAILS

SECTION Z-Z
SCALE 1 : 15



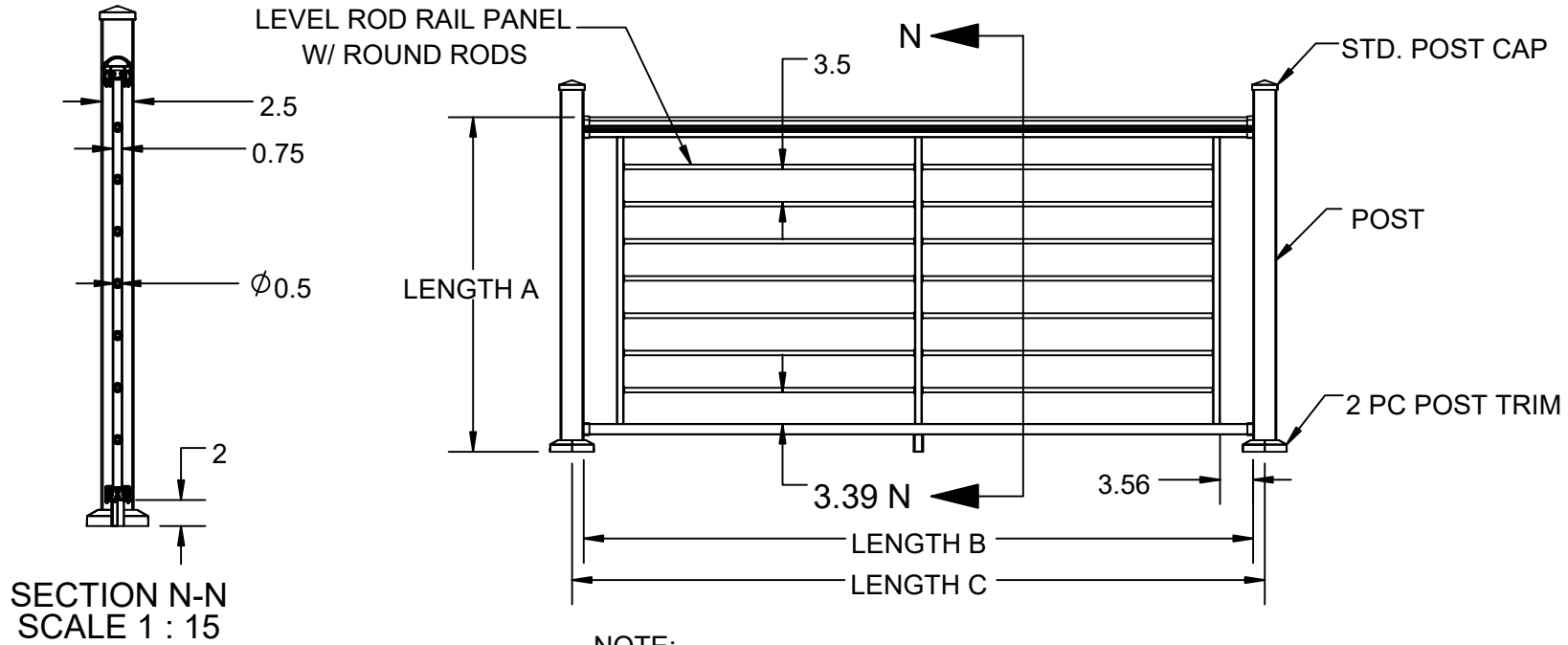
NOTE:
 (A) FINISHED RAIL HEIGHT = 36", 42"
 (B) PANEL LENGTH = 71.5", 95.5"
 (C) MAX IRC AND IBC SPANS = 98.5"X36", 98.5"X42"



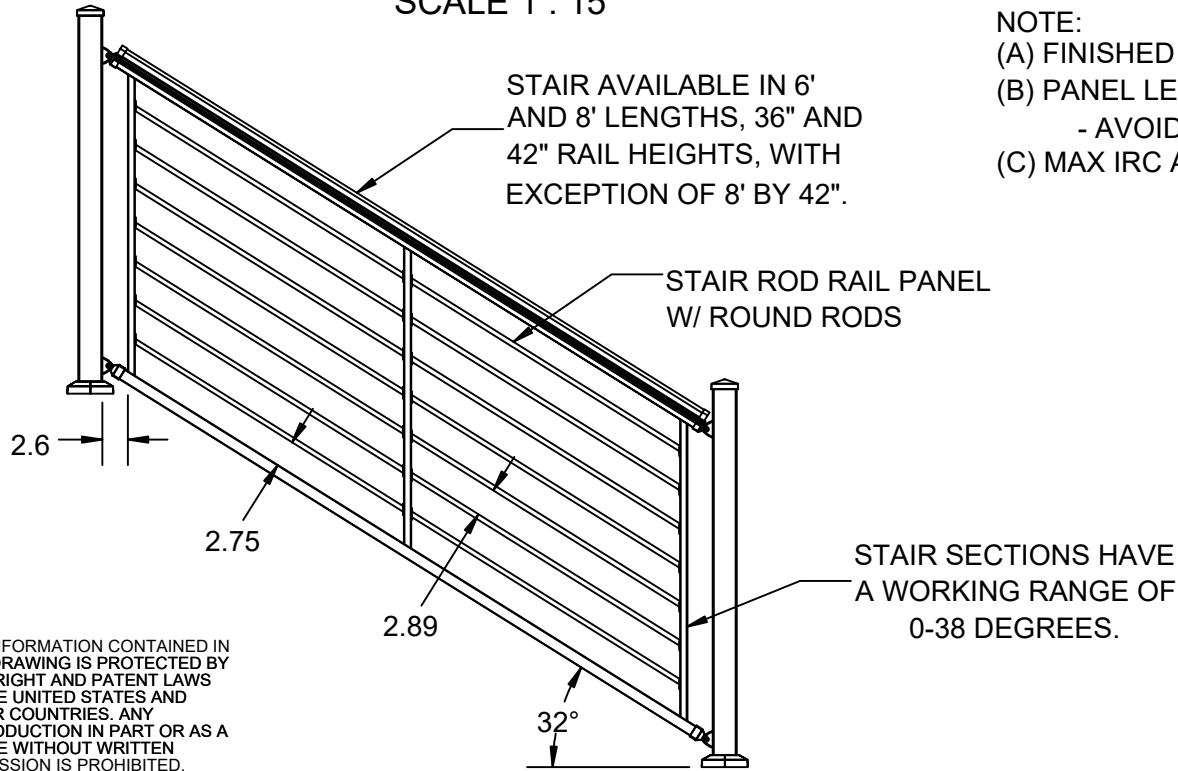
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rdi RAILING		
DRAWN: CH	DATE: 6/16/2021	APPROVED:
DESCRIPTION: AVALON LEVEL AND STAIR RAIL		
SHEET 1 OF 18	REVISION	PART NUMBER
SCALE 1:21	0	N/A
WEIGHT: N/A		

AVALON HORIZONTAL ROD RAIL DETAILS



NOTE:
 (A) FINISHED RAIL HEIGHT = 36", 42"
 (B) PANEL LENGTH = 71.5", 95.5"
 - AVOID CUTTING TO LENGTHS BETWEEN 64.5" TO 67", 88.5" TO 91"
 (C) MAX IRC AND IBC SPANS = 98.5"X36", 98.5"X42"



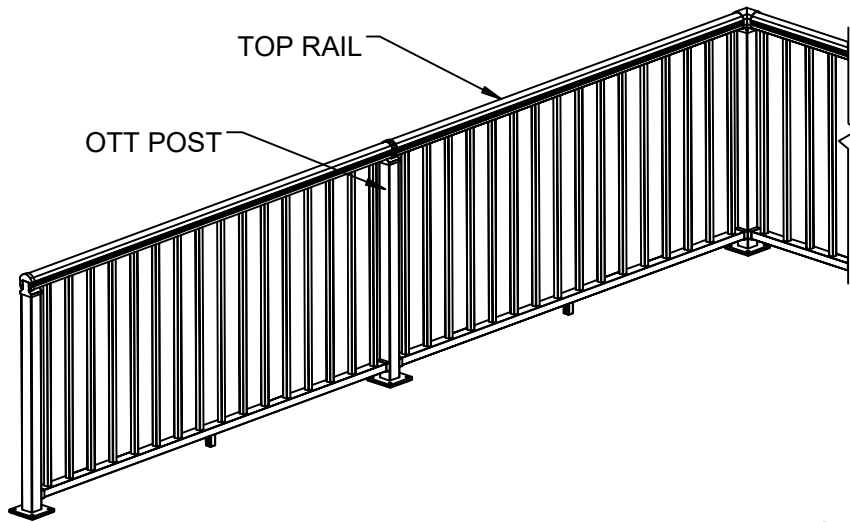
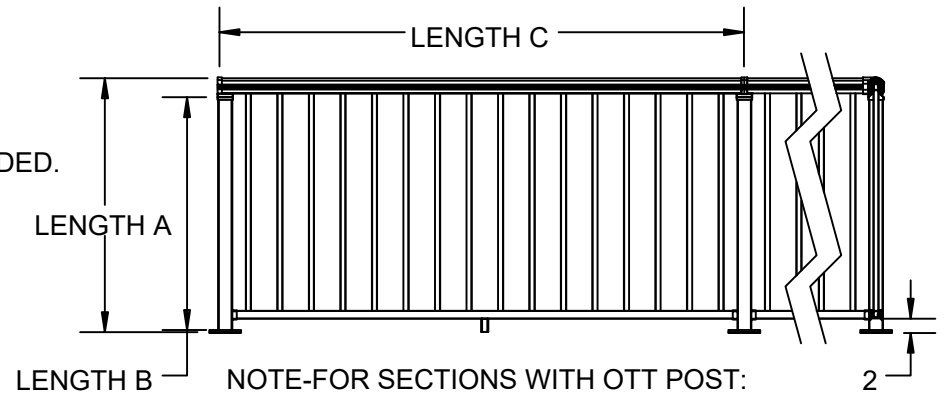
rdi RAILING		
DRAWN: CH	DATE: 6/16/2021	APPROVED:
DESCRIPTION: AVALON LEVEL AND STAIR ROD RAIL		
SHEET 2 OF 18	REVISION	PART NUMBER
SCALE 1:21	0	N/A
WEIGHT: N/A		

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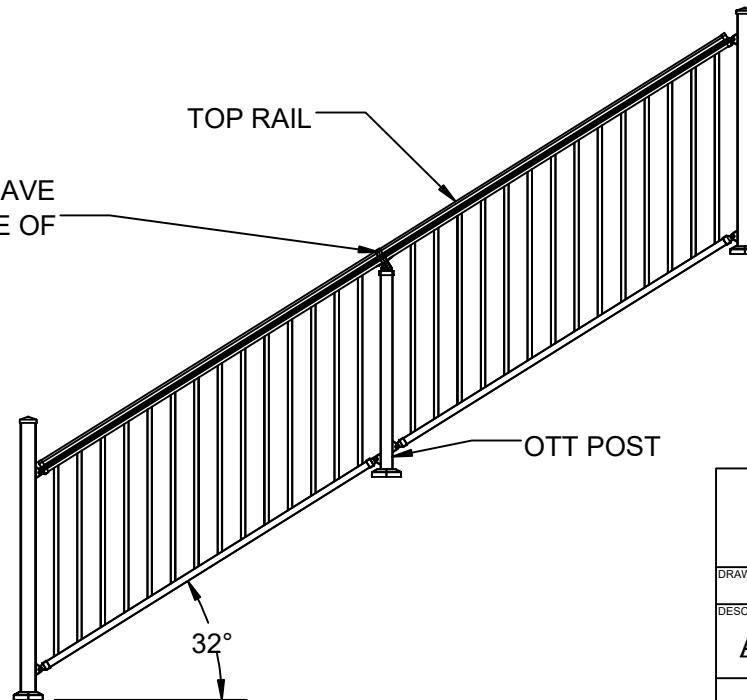
AVALON OVER THE TOP (OTT) LEVEL AND STAIR RAIL DETAILS

NOTE:

1. FOR LEVEL OTT, A TOP RAIL LONGER THAN PANEL LENGTH IS NEEDED.
 - IRC COMPLIANT PANELS (RESIDENTIAL) ARE 6FT MAXIMUM APPLICATIONS
 - IBC COMPLIANT PANELS (COMMERCIAL) ARE 5FT MAXIMUM APPLICATIONS
2. FOR STAIR OTT, A TOP RAIL AND PANEL LONGER THAN POST GAP IS NEEDED.



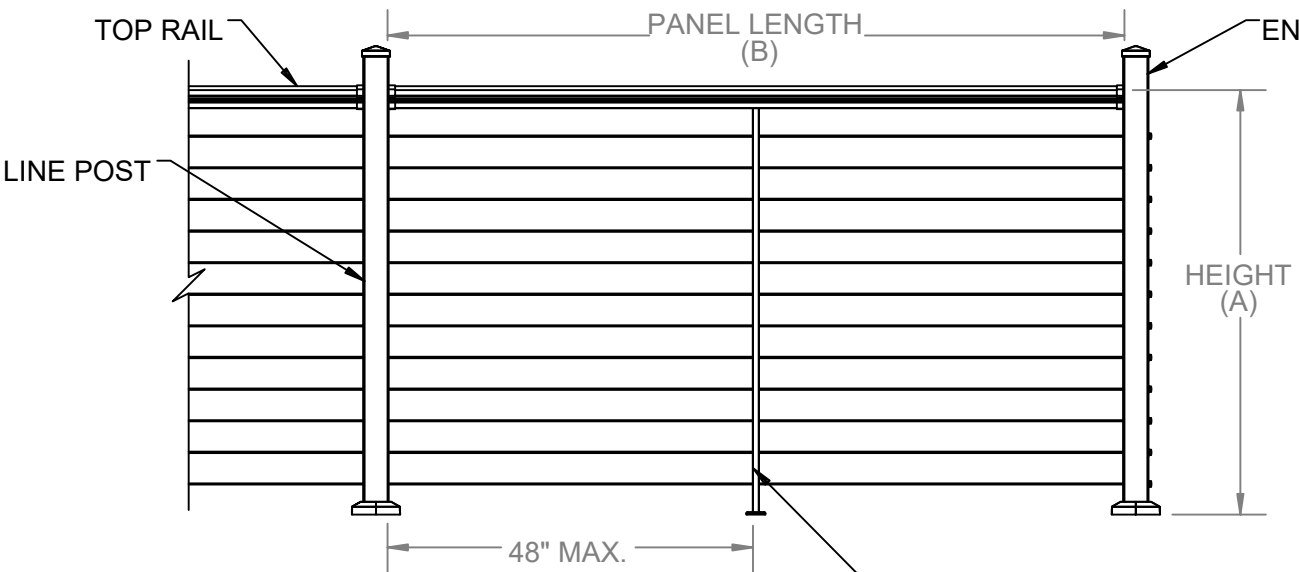
STAIR SECTIONS HAVE
 A WORKING RANGE OF
 0-38 DEGREES.



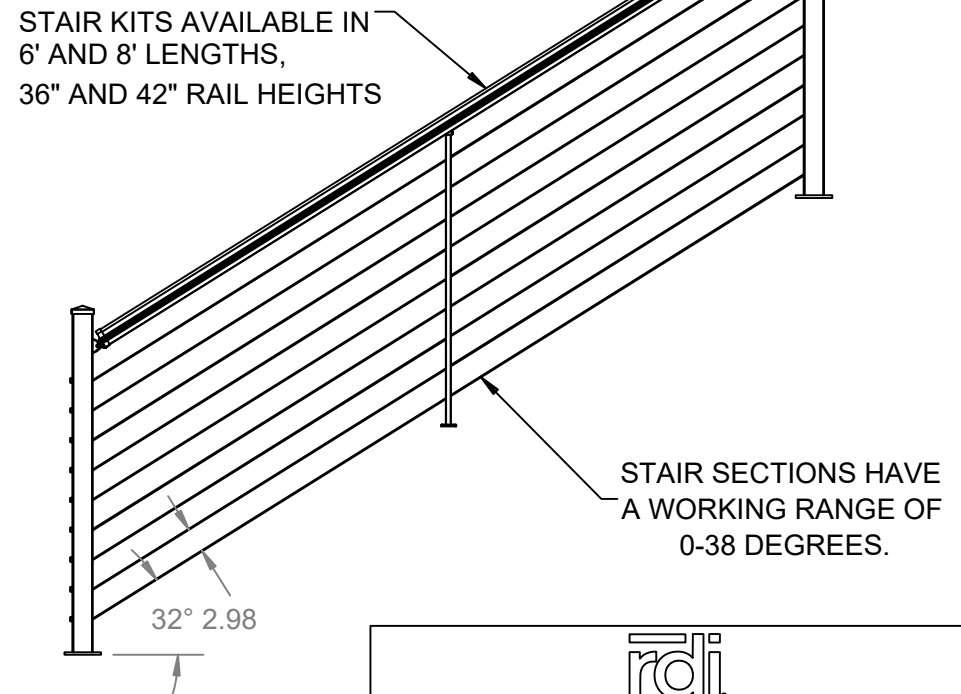
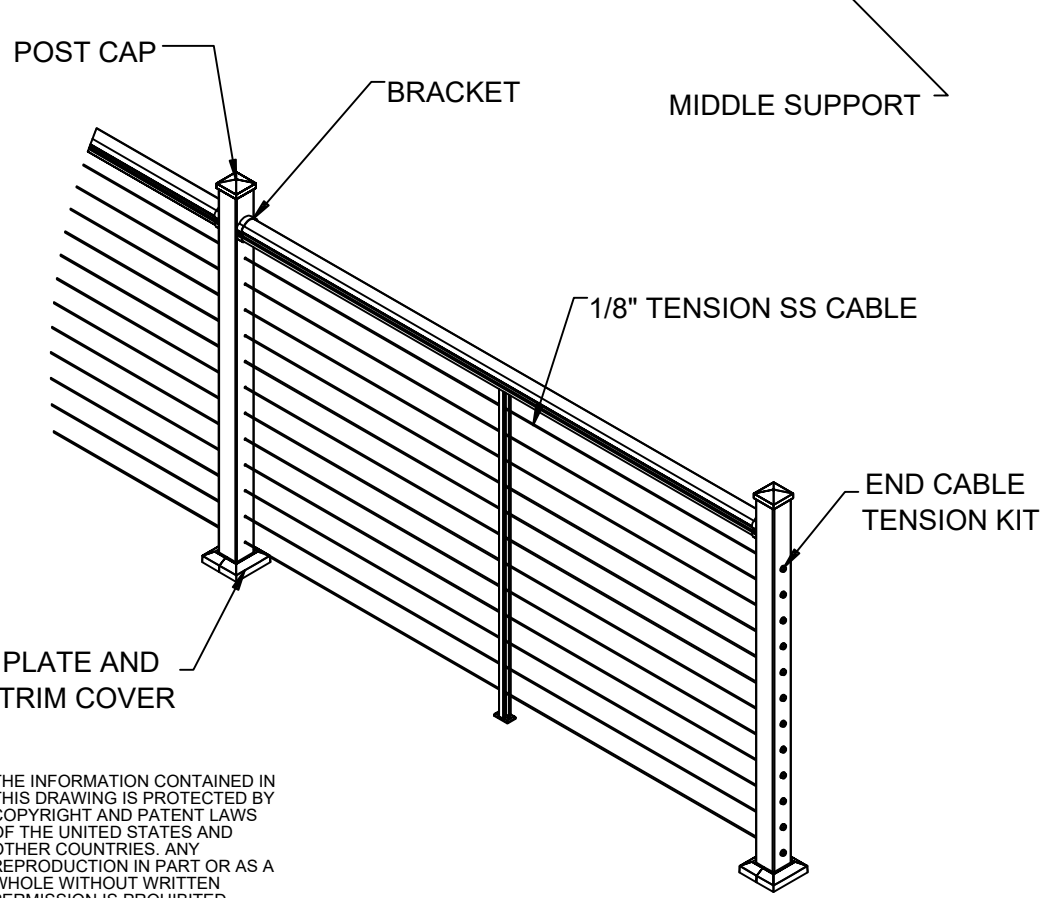
THE INFORMATION CONTAINED IN THIS DRAWING IS PROTECTED BY COPYRIGHT AND PATENT LAWS OF THE UNITED STATES AND OTHER COUNTRIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION IS PROHIBITED.

DRAWN: CH	DATE: 6/16/2021	APPROVED:
DESCRIPTION: AVALON OVER THE TOP AND GLASS RAIL		
SHEET 3 OF 18	REVISION	PART NUMBER
SCALE 1:28		N/A
WEIGHT: N/A		

CABLE RAILING PANEL-DETAILS



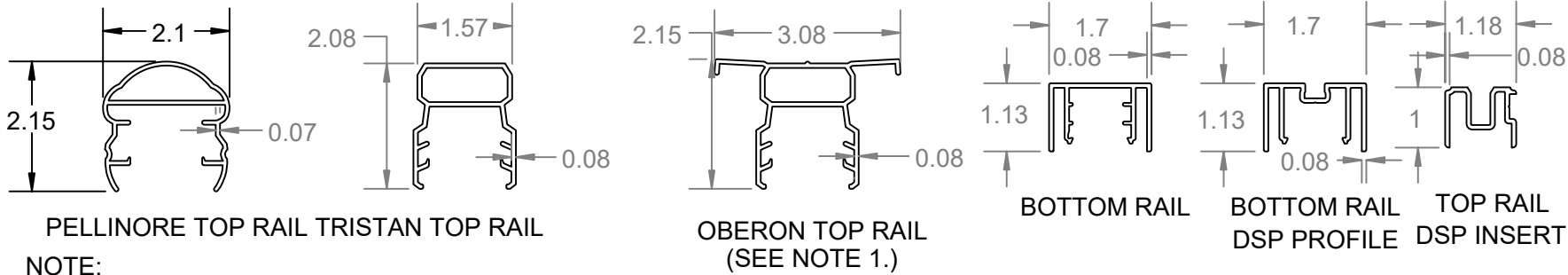
- NOTE:
1. FINISHED RAIL HEIGHT (A) = 36", 42"
 2. PANEL LENGTH (B) = 71.5", 95.5"
 3. MAX PANEL SIZE = 96X36" IRC, 96X42" IBC
 4. TENSION CABLE TO PREVENT PASSING 4" SPHERE.
 5. RECOMMENDED PULLING FORCE FROM CABLE MANUFACTURER 225 LBS



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rdi RAILING		
DRAWN: CH	DATE: 6/16/2021	APPROVED:
DESCRIPTION: CABLE RAILING - DETAILS		
SHEET 5 OF 18	REVISION	PART NUMBER
SCALE 1:25	0	N/A
WEIGHT: N/A		

TOP AND BOTTOM RAIL



PELLINORE TOP RAIL TRISTAN TOP RAIL

OBERON TOP RAIL
(SEE NOTE 1.)

BOTTOM RAIL

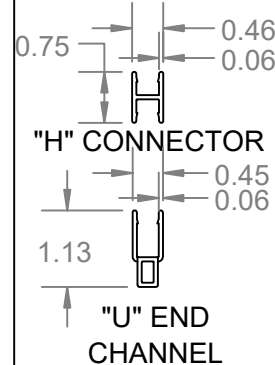
BOTTOM RAIL
DSP PROFILE

TOP RAIL
DSP INSERT

NOTE:

1. A DECK BOARD MUST BE USED WHEN INSTALLING OBERON.
2. BRACKET COVERS ARE INCLUDED WITH TOP RAIL.

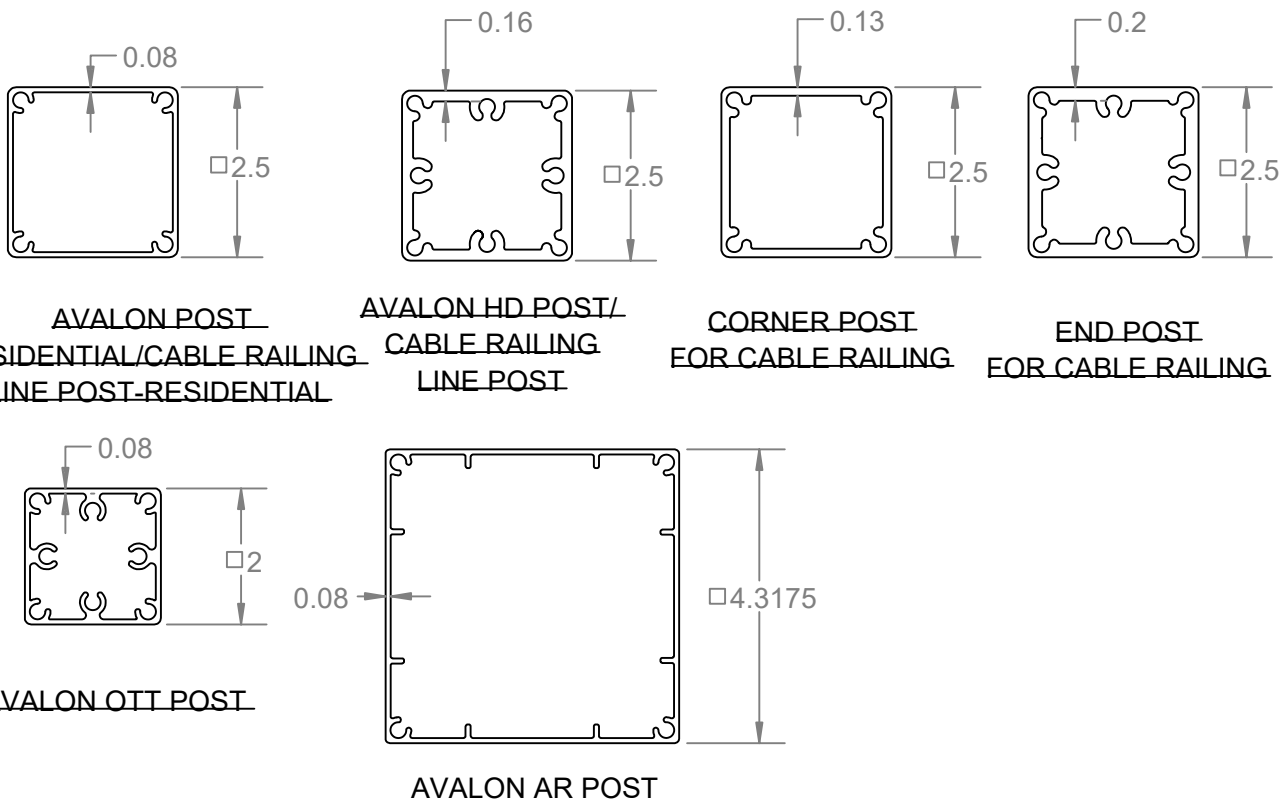
DSP VERTICAL PROFILES



"H" CONNECTOR

"U" END CHANNEL

POSTS



AVALON POST

AVALON HD POST/
CABLE RAILING
LINE POST

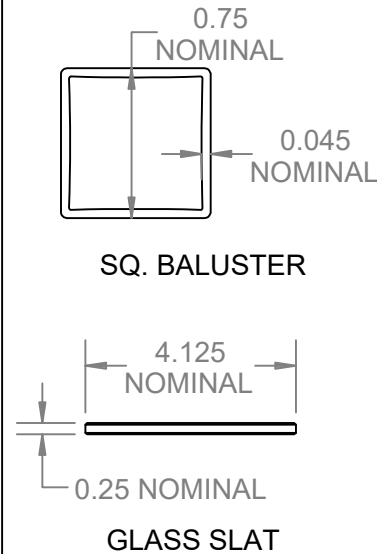
CORNER POST
FOR CABLE RAILING

END POST
FOR CABLE RAILING

AVALON OTT POST

AVALON AR POST

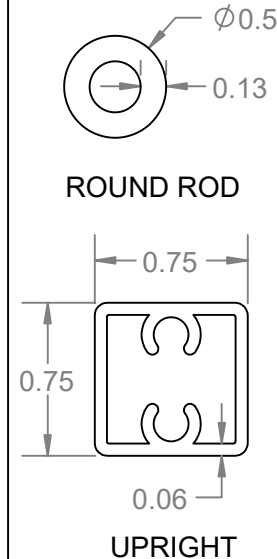
BALUSTERS



SQ. BALUSTER

GLASS SLAT

HORIZONTAL ROD INFILL



ROUND ROD

UPRIGHT

1. AVALON POST RESIDENTIAL recommended for Residential applications (any width).
2. AVALON HD POST/CABLE RAILING LINE POST recommended for Commercial applications - not wider than 8ft .
3. END POST FOR CABLE RAILING recommended for cabel railing applications - end post only .
4. CORNER POST FOR CABLE RAILING recommended for cabel railing applications - corner post only .
5. AVL OTT POST recommended for Residential - 6ft wide applications and Commercial - 5ft applications.
6. AVL AR POST can be used on any Residential or Commercial applications.

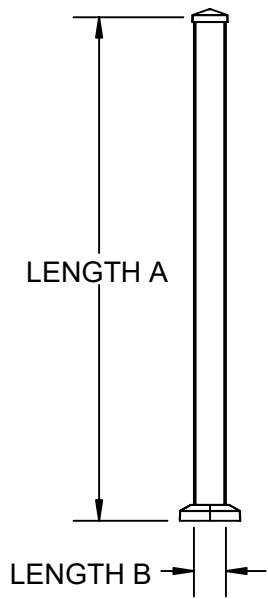


DRAWN:	CH	DATE:	1/22/2021	APPROVED:
DESCRIPTION:				
AVALON PROFILES				
SHEET 8 OF 18		REVISION		PART NUMBER
SCALE 1:3		△		N/A
WEIGHT: N/A				

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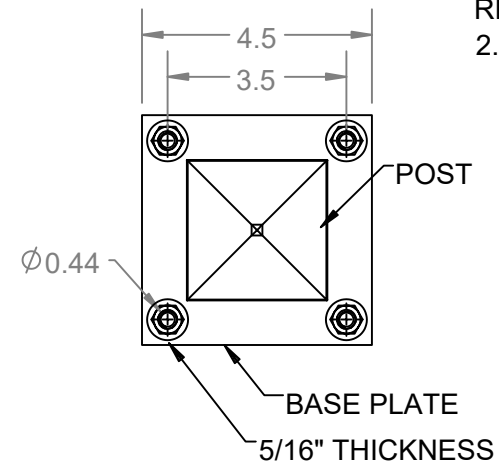
AVALON POST AND SURFACE MOUNT DETAILS

NOTE: IMAGES ONLY REFERENCE 2" AND 2.5" POSTS.



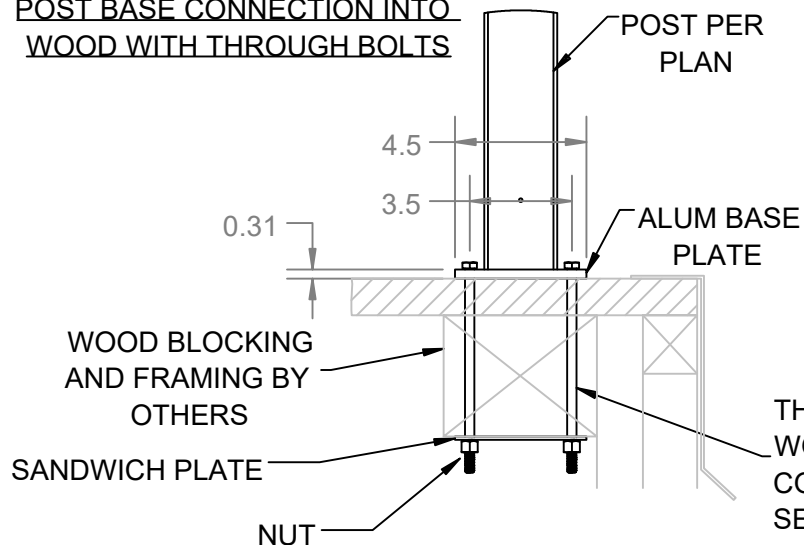
POSTS	LENGTH A	LENGTH B
STD. POST	39"	2.50"
STD. POST	45"	2.50"
STD. POST	60"	2.50"
HD. POST	45"	2.50"
HD. POST	60"	2.50"
OTP. POST	33"	2.00"
OTP. POST	39"	2.00"
AR. POST	39"	4.32"
AR. POST	45"	4.32"
AR. POST	108"	4.32"

NOTE:
 2.5" POSTS INCLUDE FACTORY MOUNTED BASE PLATE, TWO PICE TRIM, POST CAP, AND LEVELING SHIMS.
 4.3125" POST SOLD SEPARATELY AS COMPONENTS.



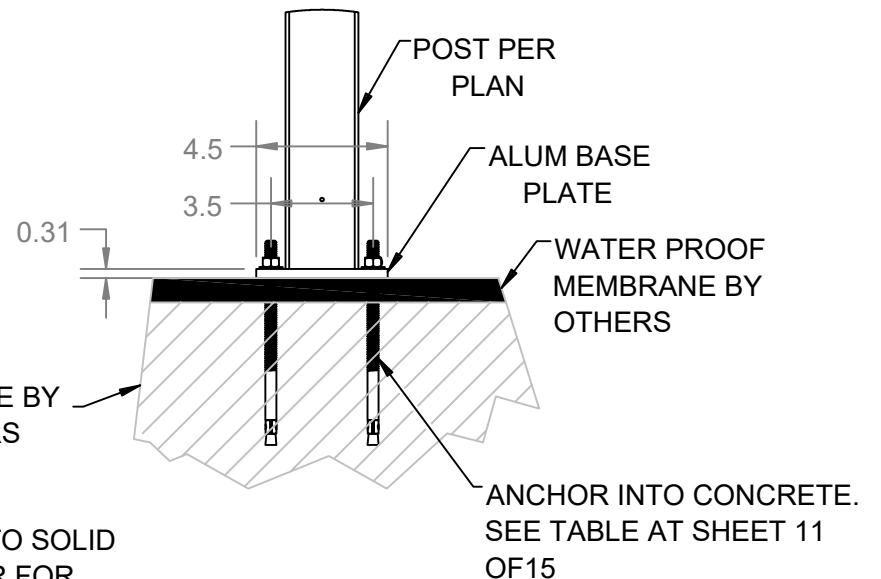
POST BASE CONNECTION INTO CONCRETE WITH WEDGE ANCHORS

POST BASE CONNECTION INTO WOOD WITH THROUGH BOLTS



THROUGH BOLTS INTO SOLID WOOD 3/8" DIAMETER FOR COMMERCIAL APPLICATIONS SEE TABLE AT SHEET 8 OF 12

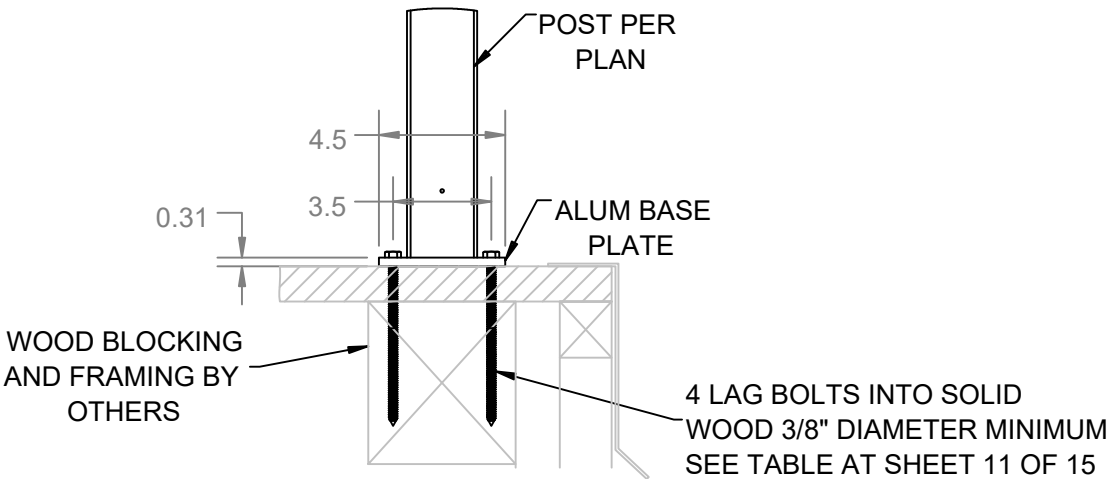
- NOTE:
1. COMMERCIAL APPLICATIONS ARE ALWAYS BOLTED, USE 3/8" DIAMETER A307 THROUGH BOLTS INTO SOLID WOOD BLOCKING.
 2. WOOD BLOCKING BY OTHERS.
 3. BLOCKING MUST BE DESIGNED TO WITHSTAND PROPER LOADING.



rdi RAILING		
DRAWN: CH	DATE: 5/5/2020	APPROVED:
DESCRIPTION: AVALON POST AND SURFACE MOUNT DETAIL		
SHEET 9 OF 18	REVISION	PART NUMBER
SCALE 1:16	△	N/A
WEIGHT: N/A		

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AVALON POST AND SURFACE MOUNT DETAILS





POST BASE CONNECTION INTO
WOOD WITH LAG BOLTS

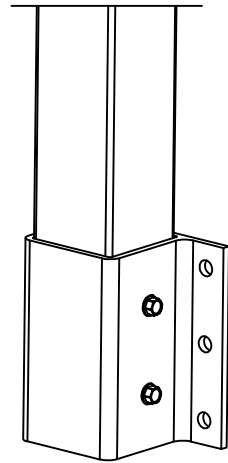
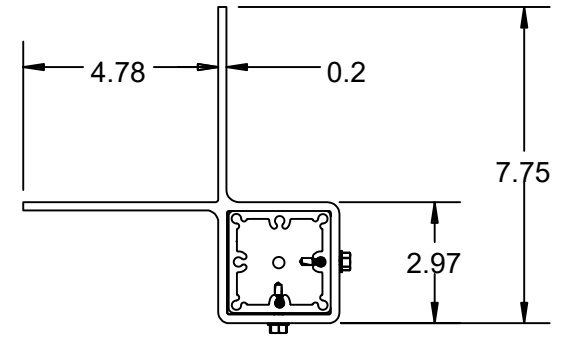
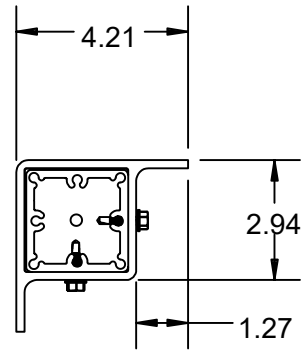
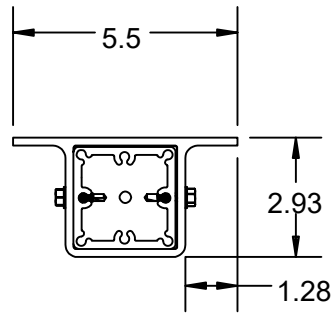
NOTE:

- 1. WOOD BLOCKING BY OTHERS.
- 2. BLOCKING MUST BE DESIGNED TO WITHSTAND PROPER LOADING.

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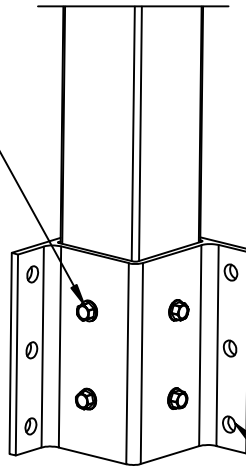
		
DRAWN: CH	DATE: 5/5/2020	APPROVED:
DESCRIPTION: AVALON POST AND SURFACE MOUNT DETAIL		
SHEET 10 OF 18	REVISION	PART NUMBER
SCALE 1:16		N/A
WEIGHT: N/A		

FASCIA MOUNT DETAILS



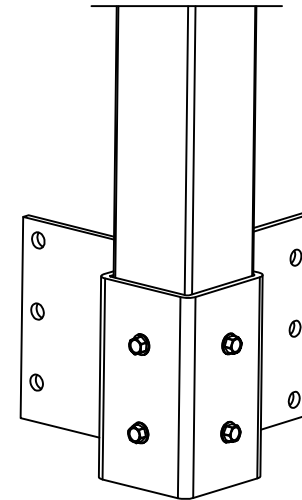
LINE POST / END POST BRACKET

4X #14 SCREW



INSIDE CORNER POST BRACKET

SEE TABLE AT SHEET 11 OF 15 FOR ANCHOR SCHEDULE



OUTSIDE CORNER POST BRACKET

- NOTES:
1) BRACKETS NOT INCLUDED WITH FASCIA, SOLD SEPARATELY.

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DRAWN: CH	DATE: 3/16/2021	APPROVED:
DESCRIPTION: FASCIA MOUNT DETAIL		
SHEET 11 OF 18	REVISION	PART NUMBER
SCALE 1:5		N/A
WEIGHT: N/A		

MOUNTING SCHEDULE

FOR RESIDENTIAL APPLICATIONS 36" HIGH					
PANEL WIDTH	LOAD	RECOMMENDED BOLT APPLICATION	FOR LAG BOLT APPLICATION 3/8" DIA. SCREW. MINIMUM EMBEDDED SCREW THREAD LENGTH REQUIRED	FOR THROUGH BOLT APPLICATION	FOR CONCRETE ANCHOR APPLICATION 3/8" TITAN HD ANCHOR MINIMUM REQUIRED LENGTH (MINIMUM DISTANCE OF 4" FORM EDGE REQUIRED)
8FT	200LBS	LAG BOLT -OR- THROUGH BOLT -OR- CONCRETE ANCHOR	3.5IN	3/8" HEX BOLT 3/8" FLAT WASHER 3/8" LOCK WASHER 3/8" NUT	4IN
6FT			3IN		3IN
4FT			2.5IN		3IN

FOR COMMERCIAL APPLICATIONS 42" HIGH					
PANEL WIDTH	LOAD	RECOMMENDED BOLT APPLICATION	FOR LAG BOLT APPLICATION 3/8" DIA. SCREW. MINIMUM EMBEDDED SCREW THREAD LENGTH REQUIRED	FOR THROUGH BOLT APPLICATION	FOR CONCRETE ANCHOR APPLICATION 3/8" TITAN HD ANCHOR MINIMUM REQUIRED LENGTH (MINIMUM DISTANCE OF 4" FORM EDGE REQUIRED)
8FT	400LBS	THROUGH BOLT -OR- CONCRETE ANCHOR	3.5IN	3/8" HEX BOLT 3/8" FLAT WASHER 3/8" LOCK WASHER 3/8" NUT	4IN
6FT	300LBS	LAG BOLT -OR- THROUGH BOLT -OR- CONCRETE ANCHOR	3IN		3IN
4FT	200LBS	LAG BOLT -OR- THROUGH BOLT -OR- CONCRETE ANCHOR	2.5IN		3IN



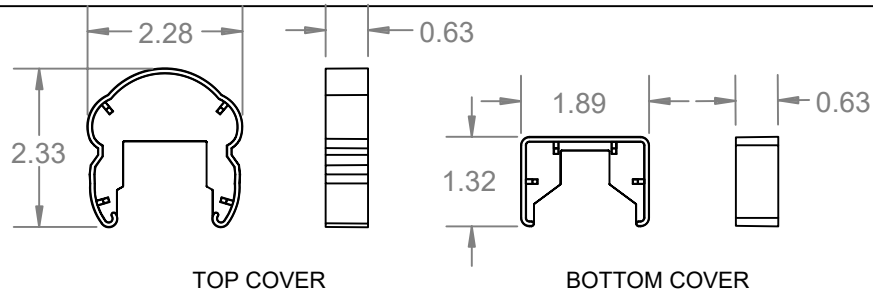
DRAWN: JS	DATE: 1/22/2021	APPROVED:
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DESCRIPTION: **MOUNTING SCHEDULE**

SHEET 13 OF 18	REVISION	PART NUMBER
SCALE 1:16		N/A
WEIGHT: N/A		

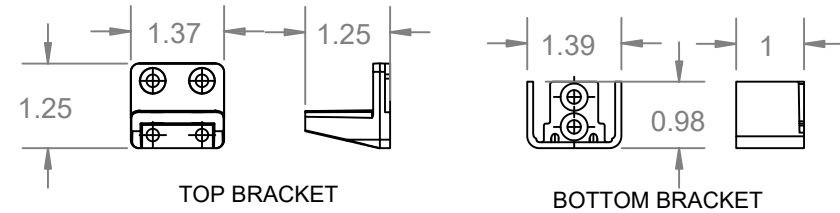
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BRACKETS & ACCESSORIES



TOP COVER

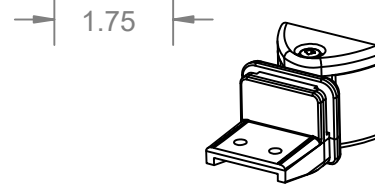
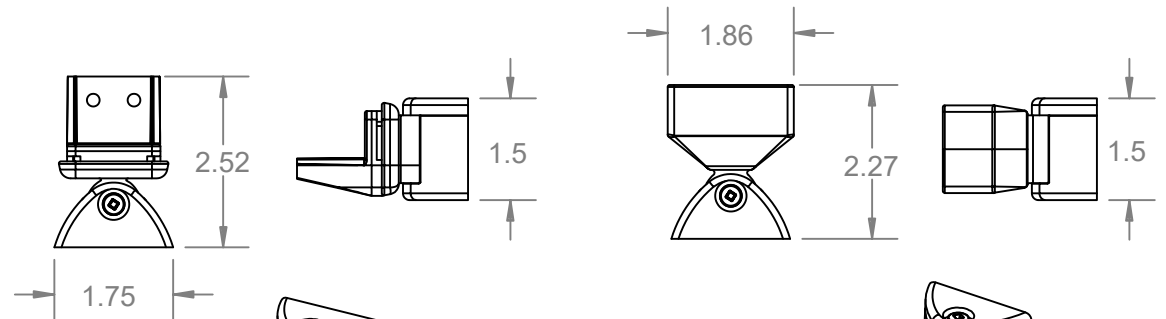
BOTTOM COVER



TOP BRACKET

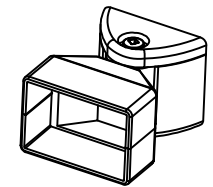
BOTTOM BRACKET

LEVEL BRACKET



TOP BRACKET

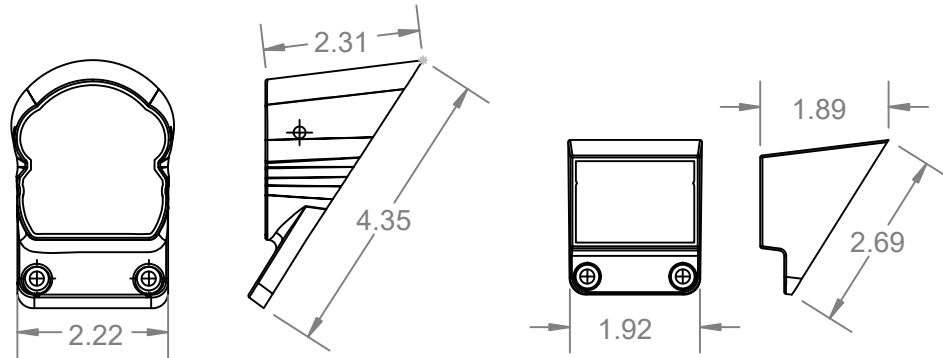
*TOP COVER IS THE SAME AS LEVEL BRACKET



BOTTOM BRACKET

LEVEL ANGLE BRACKET

FIXED ANGLE STAIR BRACKET



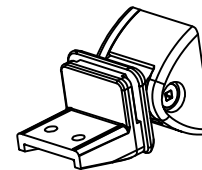
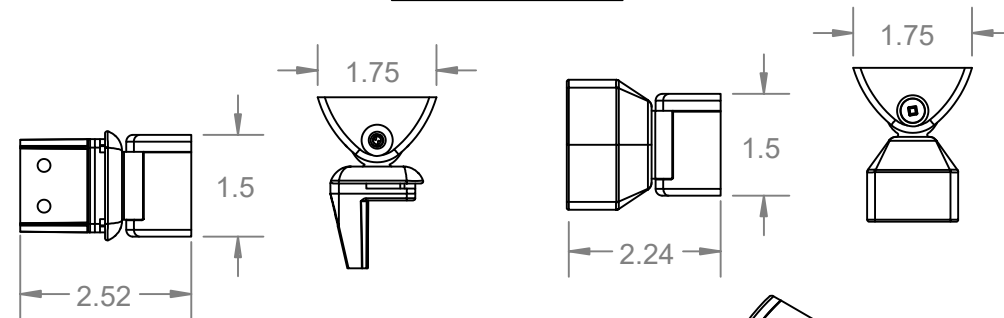
TOP STAIR TOP RAIL BRACKET

TOP STAIR BOTTOM RAIL BRACKET

BOTTOM STAIR TOP RAIL BRACKET

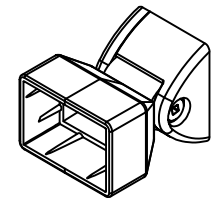
BOTTOM STAIR BOTTOM RAIL BRACKET

STAIR BRACKET



TOP BRACKET

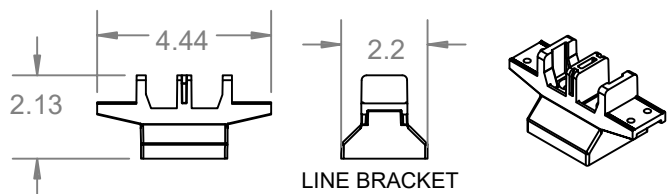
*TOP COVER IS THE SAME AS LEVEL BRACKET



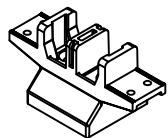
BOTTOM BRACKET

rdi RAILING		
DRAWN: CH	DATE: 6/16/2021	APPROVED:
DESCRIPTION: AVALON ACCESSORIES		
SHEET 14 OF 18	REVISION	PART NUMBER
SCALE 1:3	△	N/A
WEIGHT: N/A		

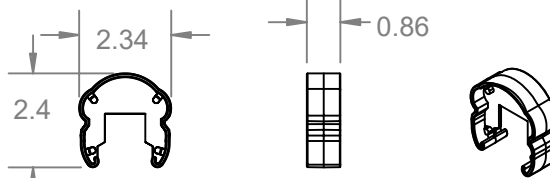
BRACKETS & ACCESSORIES



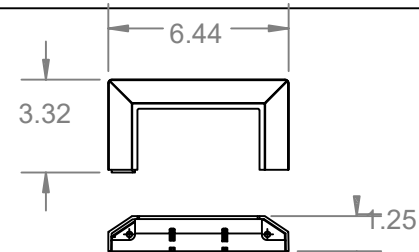
LINE BRACKET



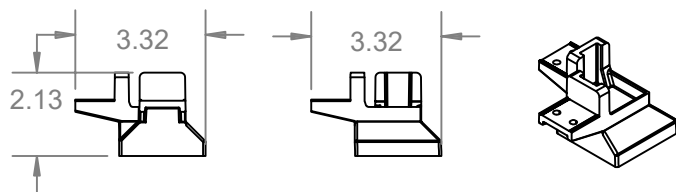
OVER THE POST LINE BRACKET



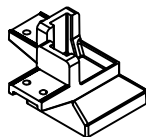
LINE COVER



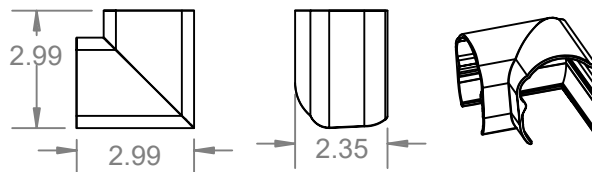
4.25" TRIM RING



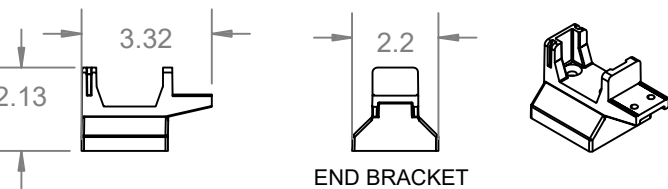
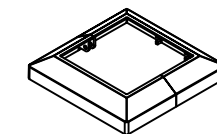
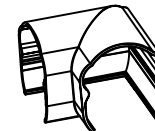
CORNER BRACKET



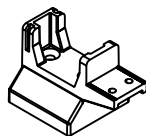
OVER THE POST CORNER BRACKET



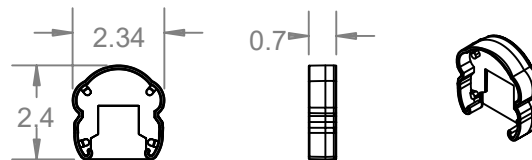
CORNER COVER



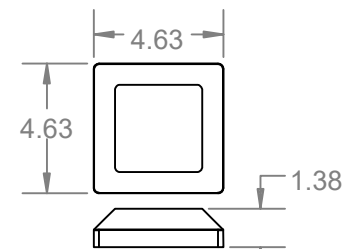
END BRACKET



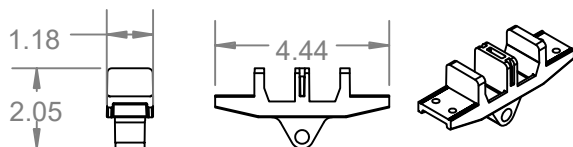
OVER THE POST END BRACKET



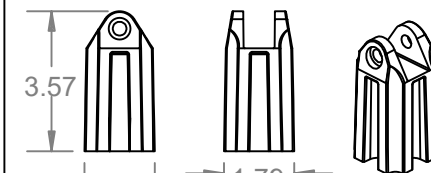
END COVER



4.25" FLAT POST CAP

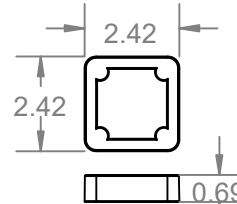


MID STAIR BRACKET

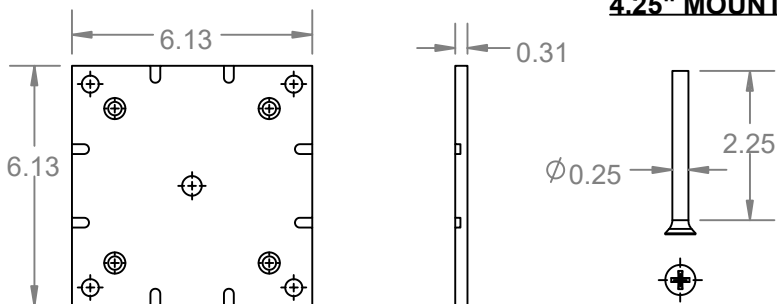


POST INSERT

OVER THE POST MID STAIR BRACKET

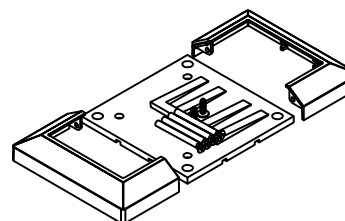


INSERT COVER



4.25" MOUNTING KIT

108" POST SLEEVE CAN BE USED AS A STRUCTURAL POST (REQUIRES 2 MOUNTING KITS)



MOUNTING KIT COMES WITH TRIM RING



DRAWN: CH DATE: 6/16/2021 APPROVED:

DESCRIPTION: AVALON ACCESSORIES

SHEET 15 OF 18
SCALE: 1:5
WEIGHT: N/A

REVISION
PART NUMBER

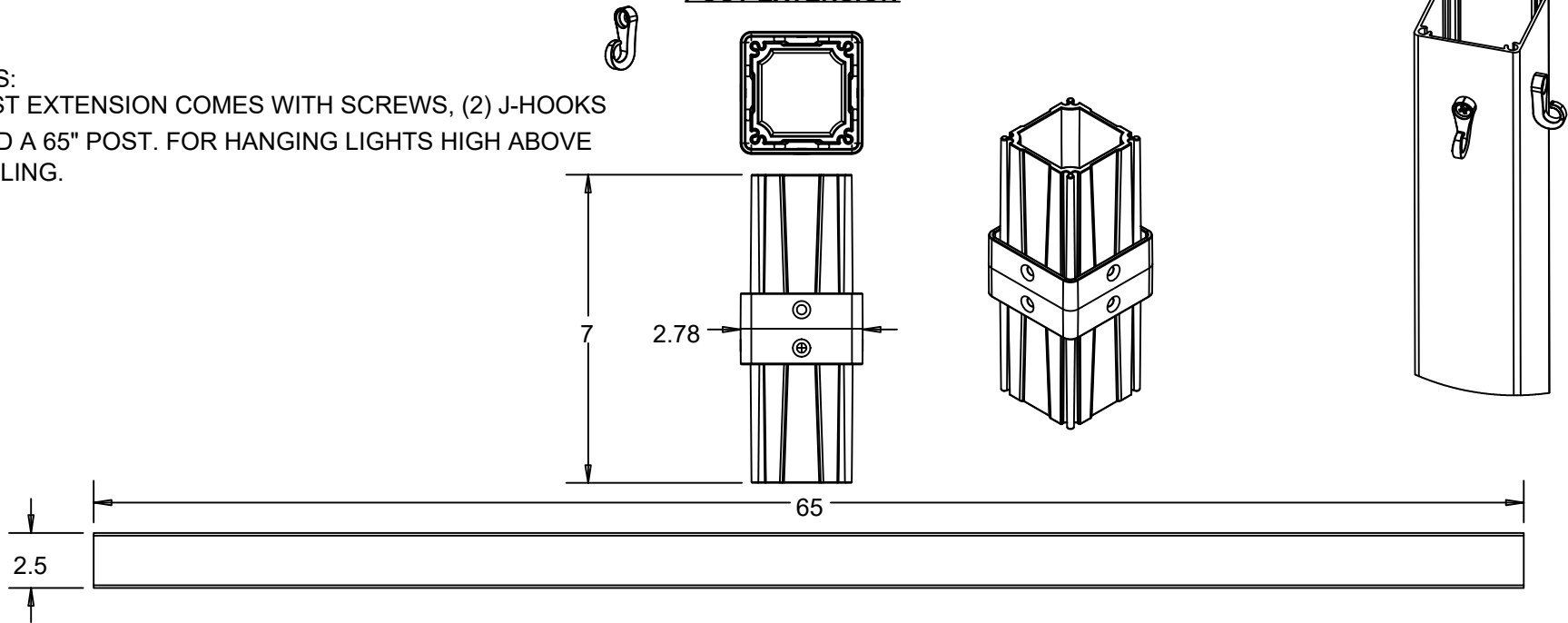
N/A

ACCESSORIES

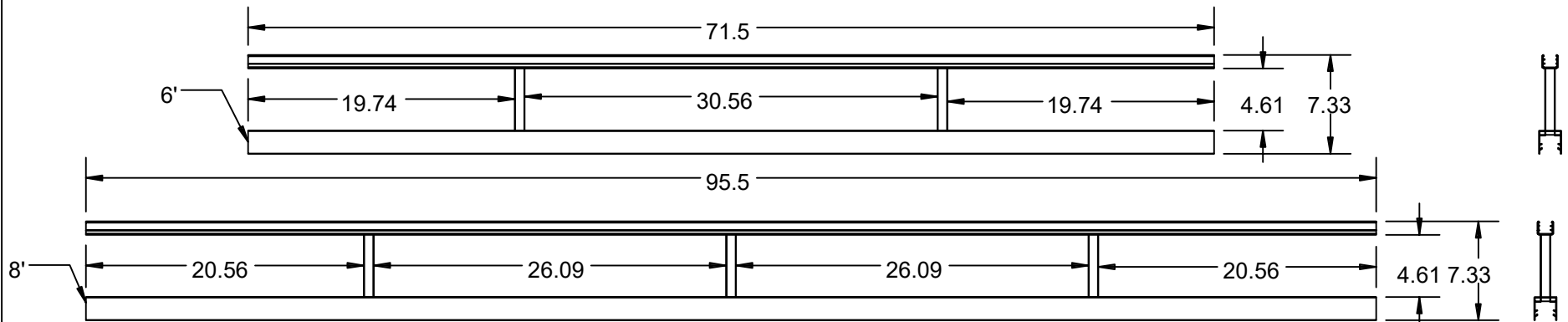
POST EXTENSION

NOTES:

- 1) POST EXTENSION COMES WITH SCREWS, (2) J-HOOKS AND A 65" POST. FOR HANGING LIGHTS HIGH ABOVE RAILING.



2 - TO - 3 RAIL ADAPTER

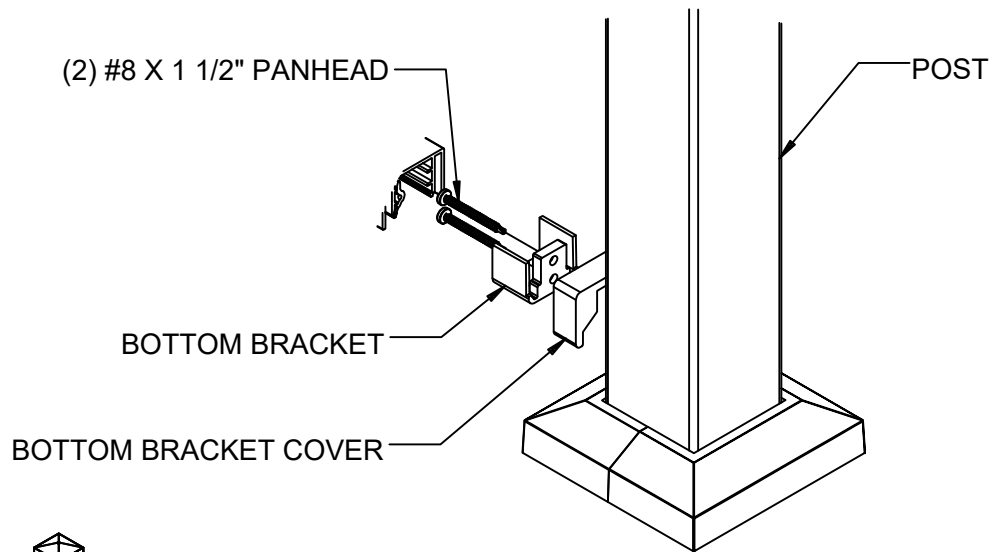


NOTES:

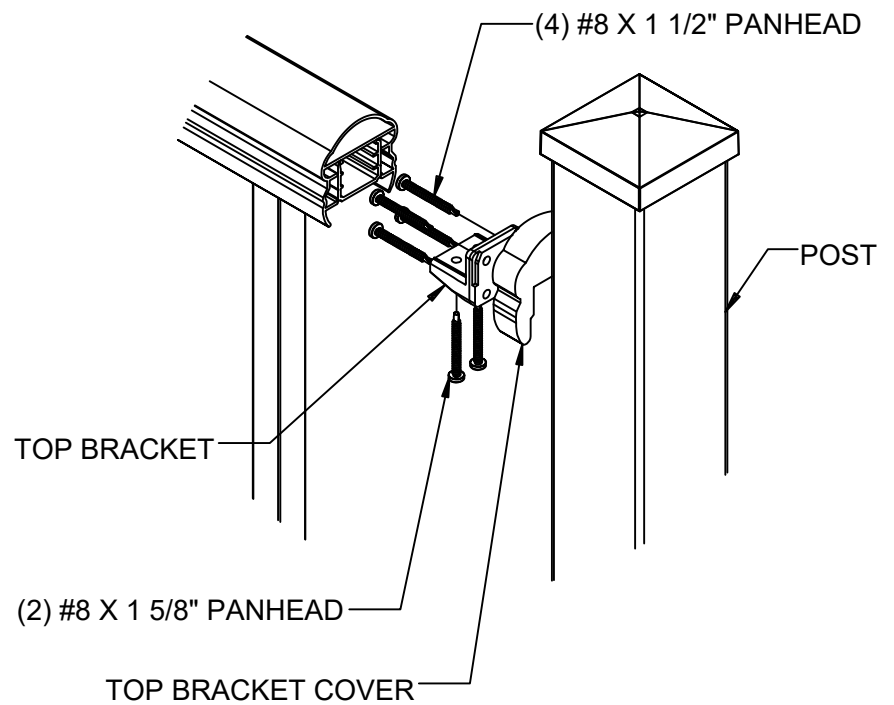
- 1) 2-3 RAIL ADAPTER FITS OVER SMALL AVALON TOP RAIL.
- 2) COMES WITH SCREWS AND TWO BRACKETS.
- 3) 6' AND 8' AVAILABLE



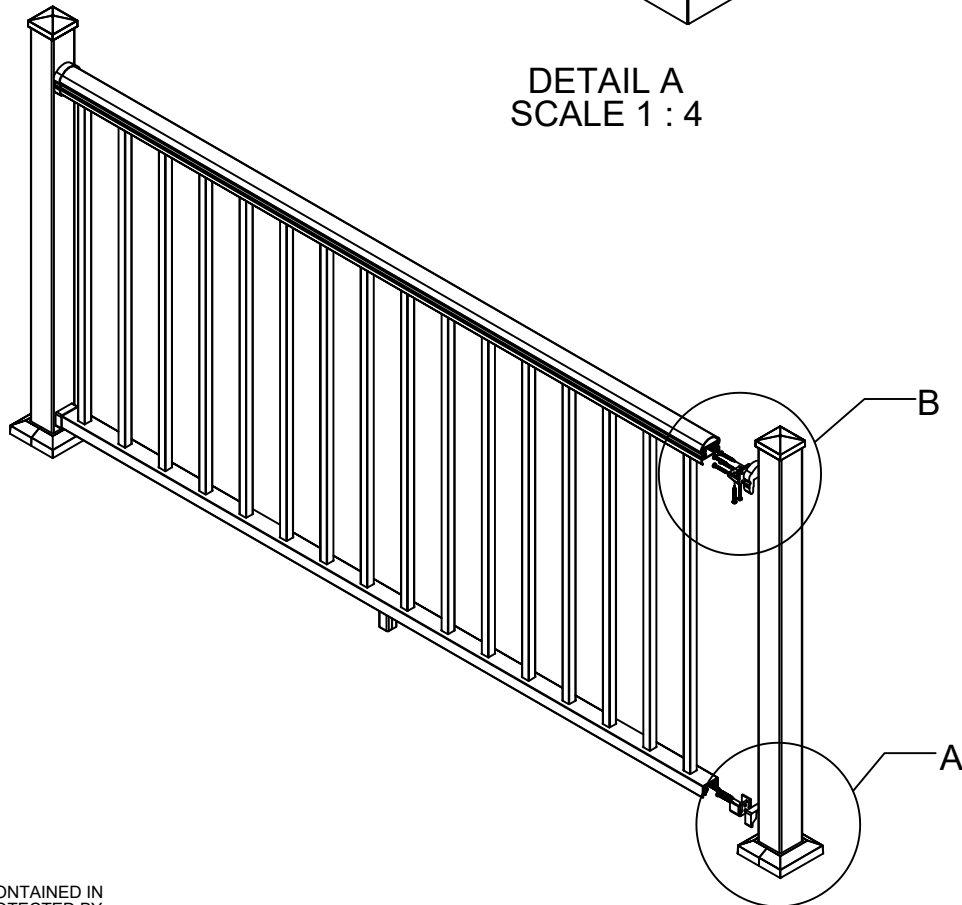
DRAWN: CH	DATE: 11/22/2021	APPROVED:
DESCRIPTION: AVALON ACCESSORIES		
SHEET 16 OF 18	REVISION	PART NUMBER
SCALE 1:4		N/A
WEIGHT: N/A		



DETAIL A
SCALE 1 : 4

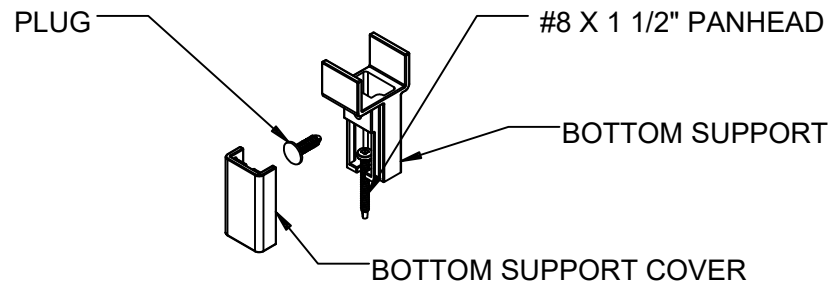


DETAIL B
SCALE 1 : 4

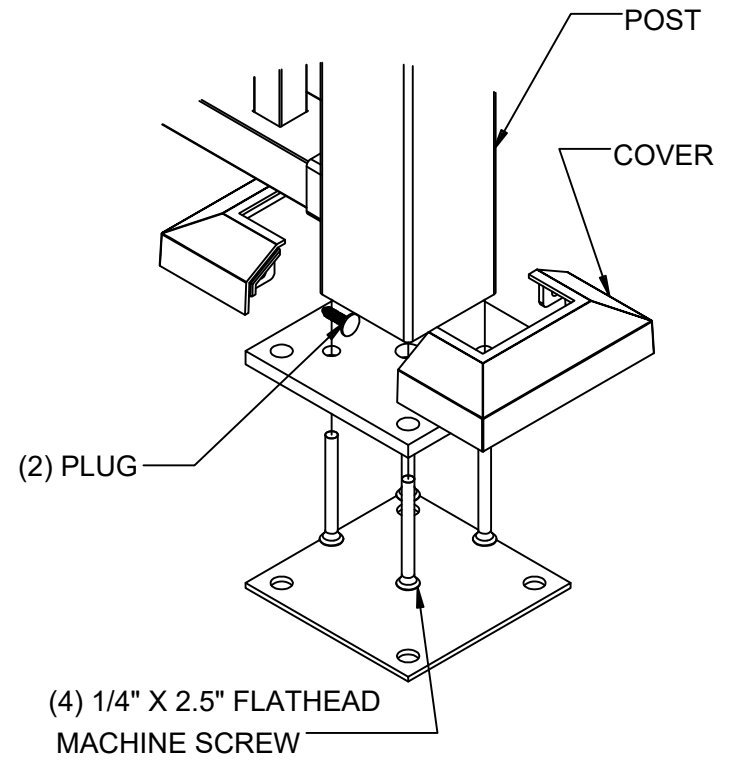
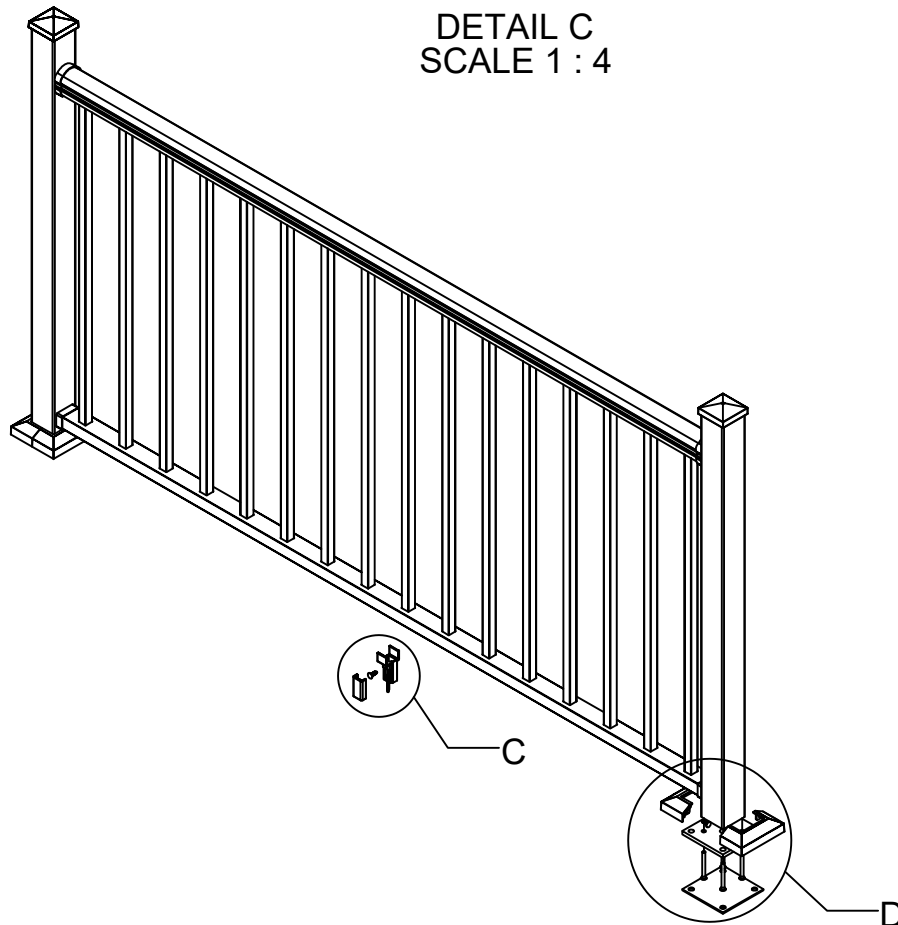


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rdi RAILING		
DRAWN: CH	DATE: 6/16/2021	APPROVED:
DESCRIPTION: AVALON FASTENER DETAIL		
SHEET 17 OF 18	REVISION	PART NUMBER
SCALE 1:16	△	N/A
WEIGHT: N/A		



DETAIL C
SCALE 1 : 4



DETAIL D
SCALE 1 : 4

rdi RAILING		
DRAWN: CH	DATE: 6/16/2021	APPROVED:
DESCRIPTION: AVALON FASTENER DETAIL		
SHEET 18 OF 18	REVISION	PART NUMBER
SCALE 1:16	0	N/A
WEIGHT: N/A		

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