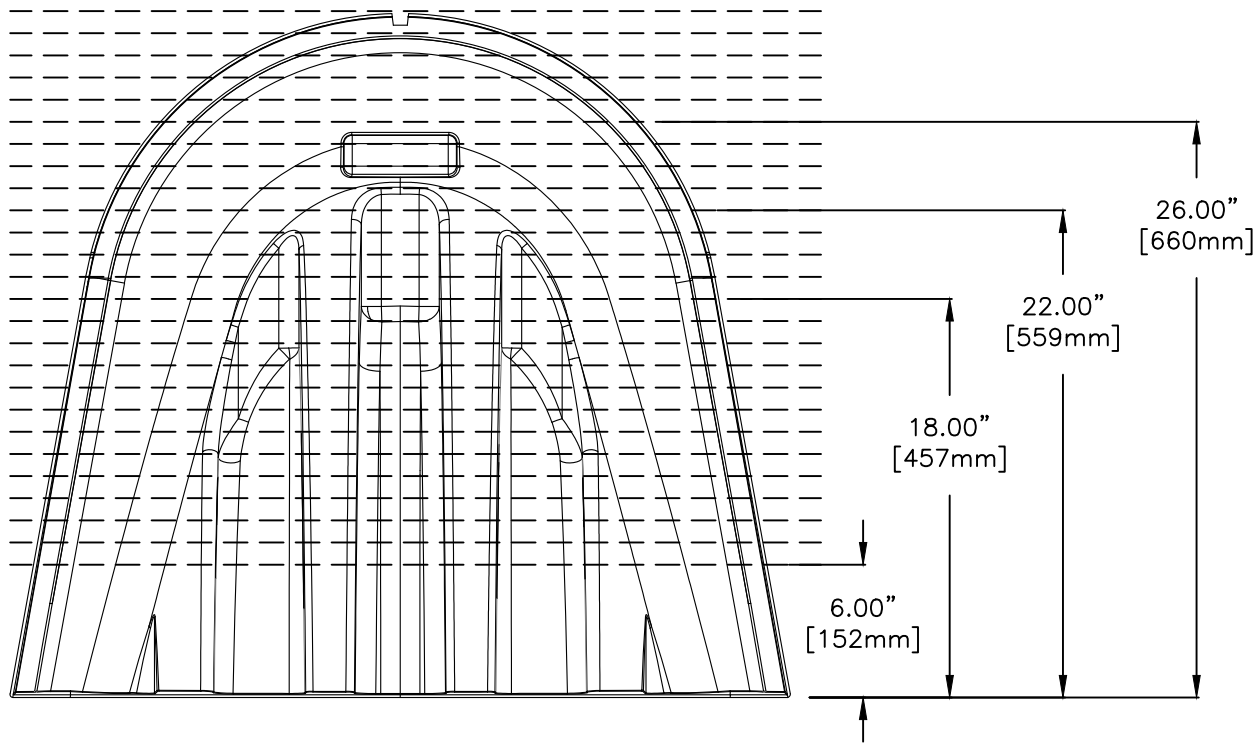


TREATMENT VOLUME CAN BE ADJUSTED BY INCREASING OR DECREASING THE BYPASS ELEVATION OF THE INNER MAIN HEADER ROW END CAP CUTS. IN ORDER TO MATCH ANY INCOMING FLOWRATE, MATCH THE TOTAL PIPE AREA OF INLET FLOW TO THE TOTAL FLOW AREA FROM THE TRITON MAIN HEADER ROW TO THE STORAGE ROWS.

EXAMPLE: A 24" PIPE HAS AN AREA OF 3.14 FT². IF THE END CAPS ARE CUT AT 20" ABOVE THE END CAP BASE THE FLOW AREA PER CUT IS 1.354 FT². 3.14 FT² DIVIDED BY 1.354 FT² EQUALS 2.3. SO 3 INNER MHR END CAPS MUST BE CUT IN ORDER TO ACCOMMODATE THAT FLOW.

Cut Height Above End Cap Base		Flow Area Per Cut	
in	mm	ft ²	m ²
6	152	4.161	0.387
7	178	3.943	0.367
8	203	3.728	0.347
9	229	3.517	0.327
10	254	3.307	0.308
11	279	3.101	0.289
12	305	2.897	0.270
13	330	2.695	0.251
14	356	2.496	0.232
15	381	2.299	0.214
16	406	2.105	0.196
17	432	1.913	0.178
18	457	1.724	0.161
19	483	1.537	0.143
20	508	1.354	0.126
21	533	1.174	0.109
22	559	0.998	0.093
23	584	0.829	0.078
24	610	0.668	0.063
25	635	0.516	0.048
26	660	0.375	0.035
27	686	0.248	0.024
28	711	0.139	0.013
29	737	0.052	0.005



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TRITON
 STORMWATER SOLUTIONS

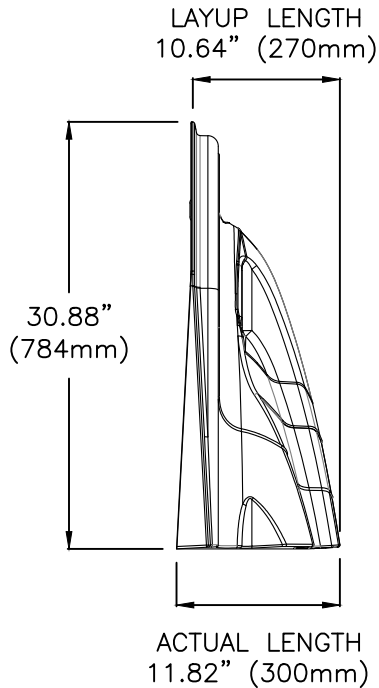
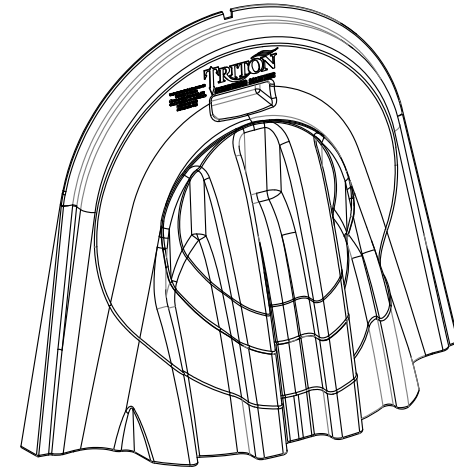
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VAULT END CAP CUT AREA STANDARD DETAIL

TRITON - STANDARD DETAILS

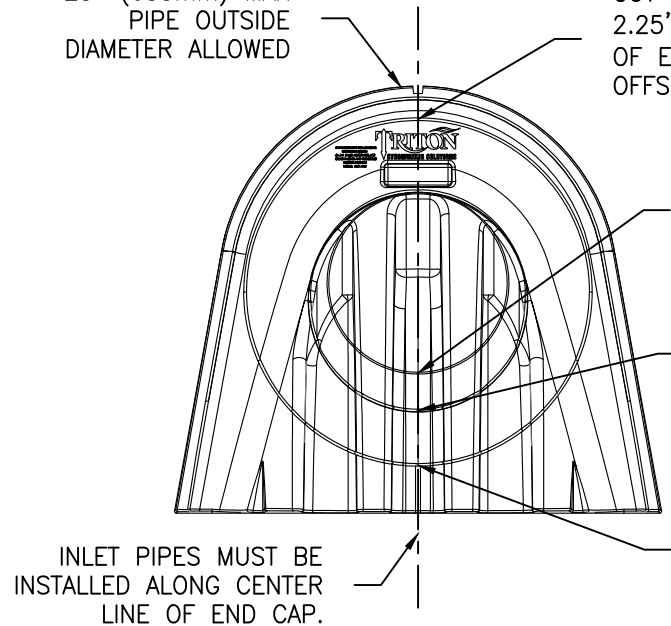
REVISED:
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TRITON VAULT END CAP SPECS	
NOMINAL DIMENSIONS (LAYUP LENGTH X LAYUP WIDTH X HEIGHT)	10.64" X 35.24" X 30.88" (270mm X 895mm X 784mm)
BARE END CAP STORAGE	2.16 CUBIC FEET (0.061 CUBIC METERS)
END CAP WEIGHT	15 lbs (6.8 kg)



25" (635mm) MAX
PIPE OUTSIDE
DIAMETER ALLOWED

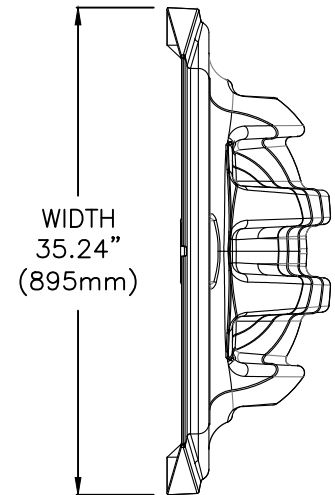
CUT HOLES MUST PROVIDE MINIMUM
2.25" (58mm) OFFSET FROM TOP
OF END CAP AND MIN 1" (25.4mm)
OFFSET FROM BOTTOM OF END CAP



13.18" (335mm) HOLE CUTTING
GUIDELINE. INVERT 10" (254mm)
ABOVE CHAMBER BASE

15.88" (403mm) HOLE CUTTING
GUIDELINE. INVERT 7.4" (188mm)
ABOVE CHAMBER BASE

25" (635mm) HOLE CUTTING
GUIDELINE. INVERT 3.5" (89mm)
ABOVE CHAMBER BASE



INLET PIPES MUST BE
INSTALLED ALONG CENTER
LINE OF END CAP.

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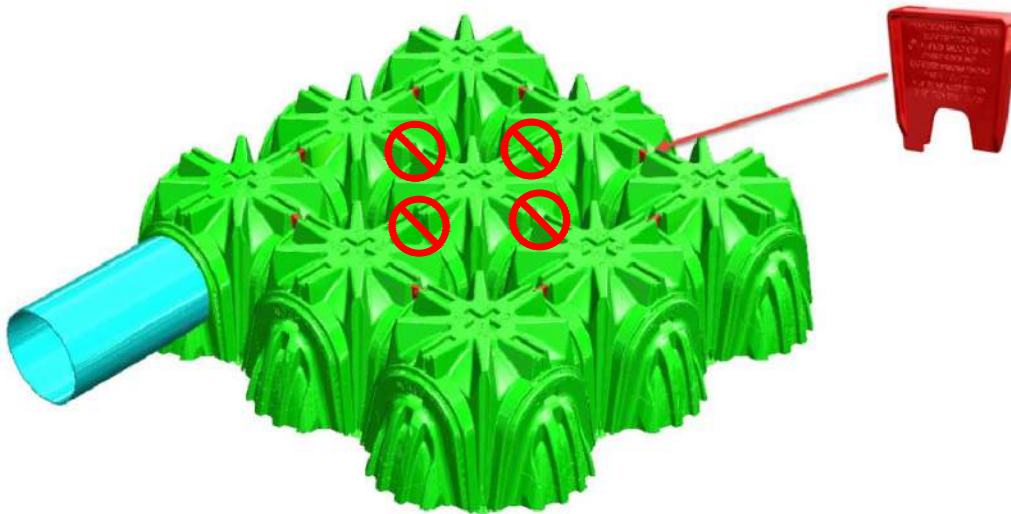
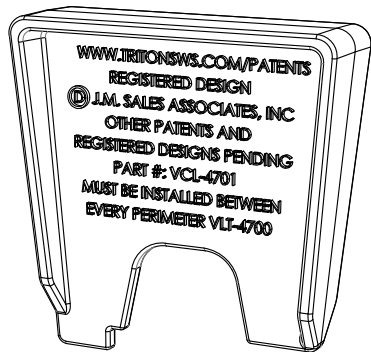
VAULT END CAP STANDARD DETAIL

TRITON - STANDARD DETAILS

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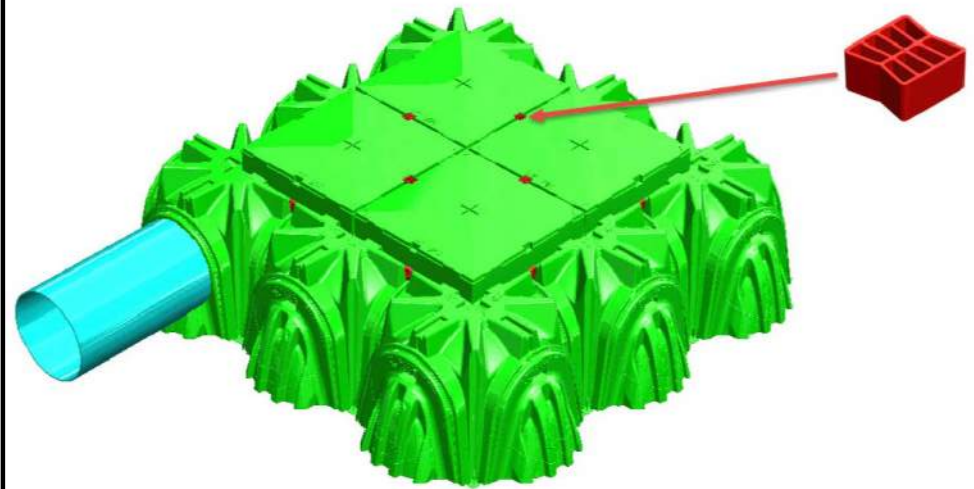
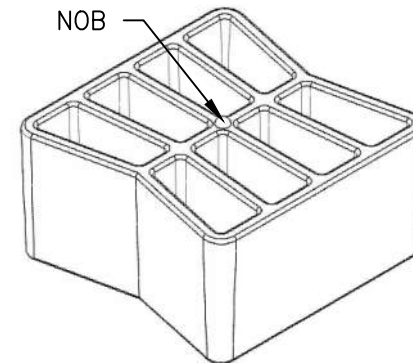
TRITON VAULT CLOSE-OFF

CLOSE-OFF PARTS ARE ONLY REQUIRED BETWEEN ALL THE PERIMETER (OUTSIDE) VAULTS AS SHOWN BELOW. NO CLOSE-OFFS ARE REQUIRED BETWEEN VAULTS THAT ARE ON INSIDE OF THE SYSTEM.



TRITON VAULT LOCK

THE TRITON VAULT LOCKS WILL BE USED TO LOCK TOGETHER ALL TRAYS AS SHOWN IN THE IMAGE BELOW WITH THE ORIENTATION NOB FACING UPWARD



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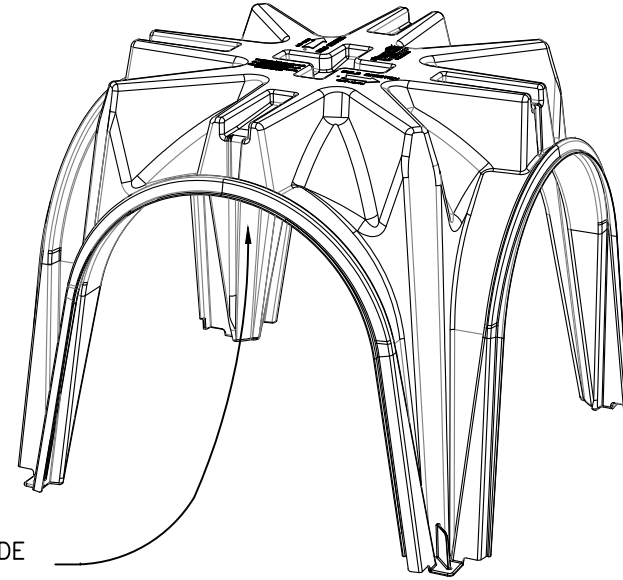
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TRITON VAULT LOCK AND CLOSE-OFF DETAIL

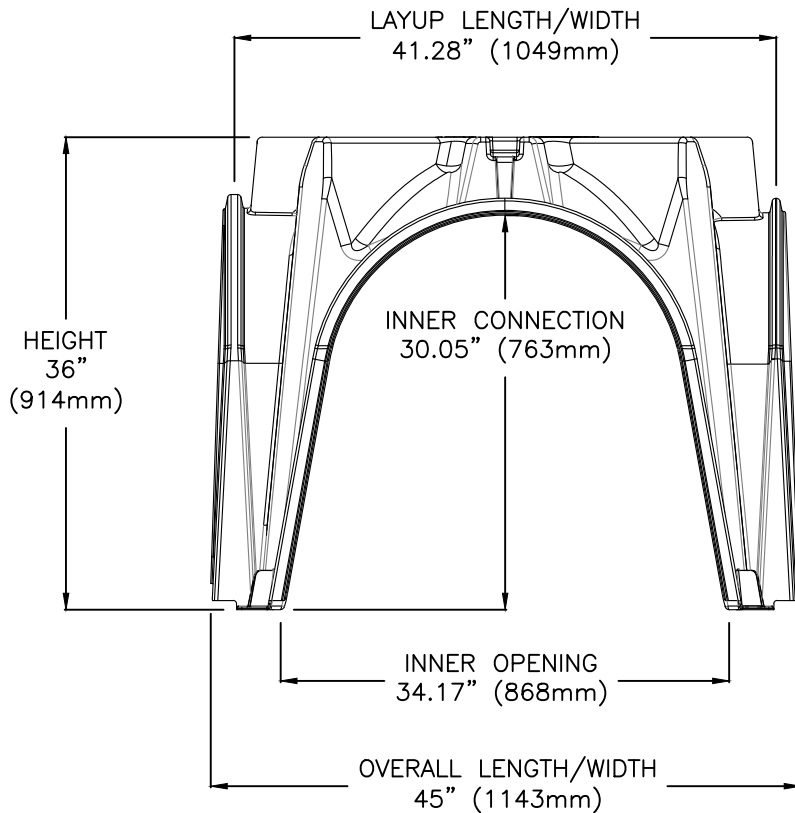
TRITON - STANDARD DETAILS

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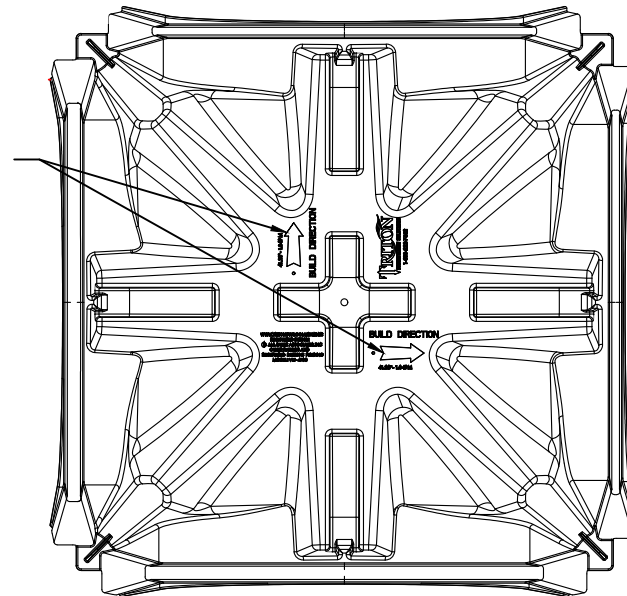
TRITON VAULT SPECS	
NOMINAL DIMENSIONS (LAYUP LENGTH X LAYUP WIDTH X HEIGHT)	41.28" X 41.28" X 36.00" (1049mm X 1049mm X 914mm)
BARE CHAMBER STORAGE	28.79 CUBIC FEET (0.815 CUBIC METERS)
VAULT WEIGHT	50 lbs (22.7 kg)
MINIMUM INSTALLED STORAGE WITHOUT TRAY (6" BASE STONE, 6" TOP STONE)	36.21 CUBIC FEET (1.025 CUBIC METERS)
MIN INSTALLED STORAGE WITH TRAY (6" BASE STONE)	43.78 CUBIC FEET (1.240 CUBIC METERS)



VAULT END CAPS WILL SLIDE UP INTO CONNECTING RIB



ENSURE BOTH BUILD DIRECTION ARROWS ARE GOING IN THE SAME DIRECTION AS PREVIOUS INSTALLED VAULTS TO ENSURE PROPER CONNECTION



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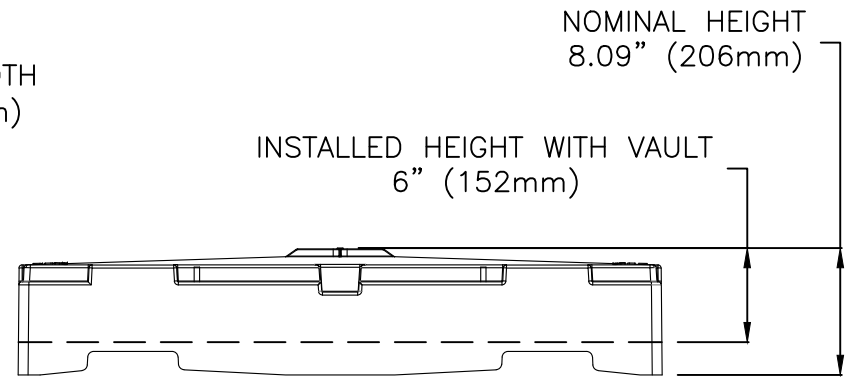
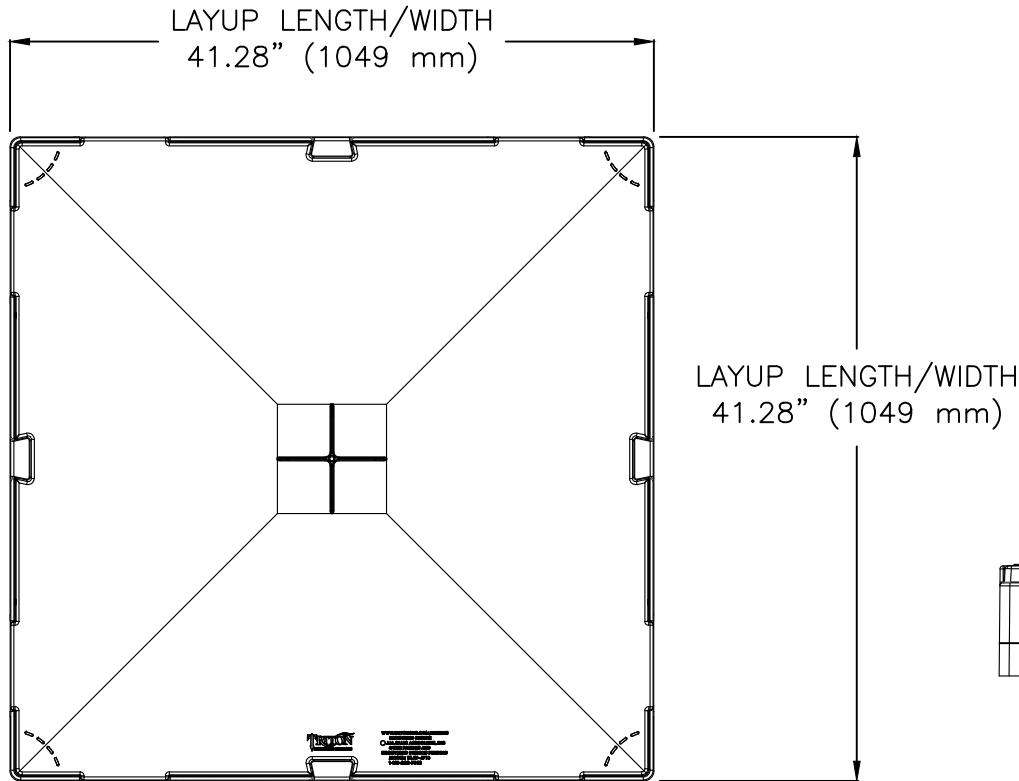
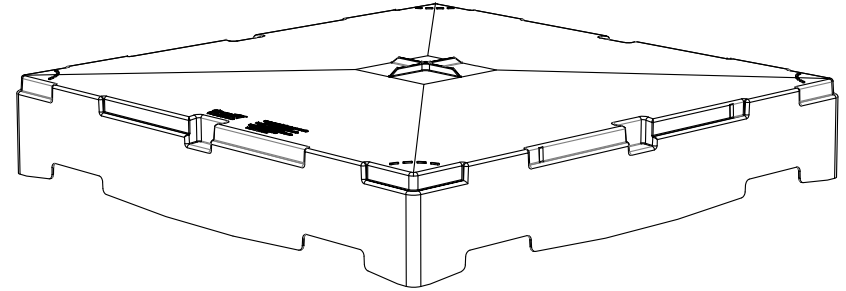
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VAULT STANDARD DETAIL

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TRITON VAULT TRAY SPECS	
NOMINAL DIMENSIONS (LAYUP LENGTH X LAYUP WIDTH X HEIGHT)	41.28" X 41.28" X 8.09" (1049mm X 1049mm X 206mm)
INSTALLED DIMENSIONS (WITH TRITON VAULT) (LAYUP LENGTH X LAYUP WIDTH X HEIGHT)	41.28" X 41.28" X 6.00" (1049mm X 1049mm X 152mm)
BARE TRAY STORAGE	5.92 CUBIC FEET (0.168 CUBIC METERS)
TRAY WEIGHT	30 lbs (13.6 kg)



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VAULT TRAY STANDARD DETAIL

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