

Vault & Oil Separator

parator

Standard Drawings

10 drawing sheets

Consistent 11 x 17 landscape catalog

Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.

ast.com



Tri-Kon Precast Products Ltd. 601 Patterson Street West Cranbrook BC V1C 6T3 250-426-8162 info@trikonprecast.com trikonprecast.com	DRAWING / PRODUCT NAME Drawing catalog	CATALOG REFERENCE TK-VO-COVER	SHEET Cover
	DESCRIPTION Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.	SHEET FORMAT 11 x 17 in / Landscape	UNITS / SCALE As noted / Do not scale
	APPROX. WEIGHT - SOURCE VALUES ONLY Weights are listed on individual sheets where stated in the source.	ORIGINAL SOURCE DATE Not applicable	LAYOUT UPDATED ONLY 2026-10-05



SHEET INDEX

PRODUCT REFERENCE / DO NOT SCALE

1

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Drawing directory

Select a sheet to open its drawing. Original technical content and source units are retained.

01 3152 Vault

02 3152 Vault: Structural Specification and Wheel Loads

03 3152 Oil Interceptor, API

04 4212 Vault

05 4212 Oil Interceptor, API

06 5212 Vault

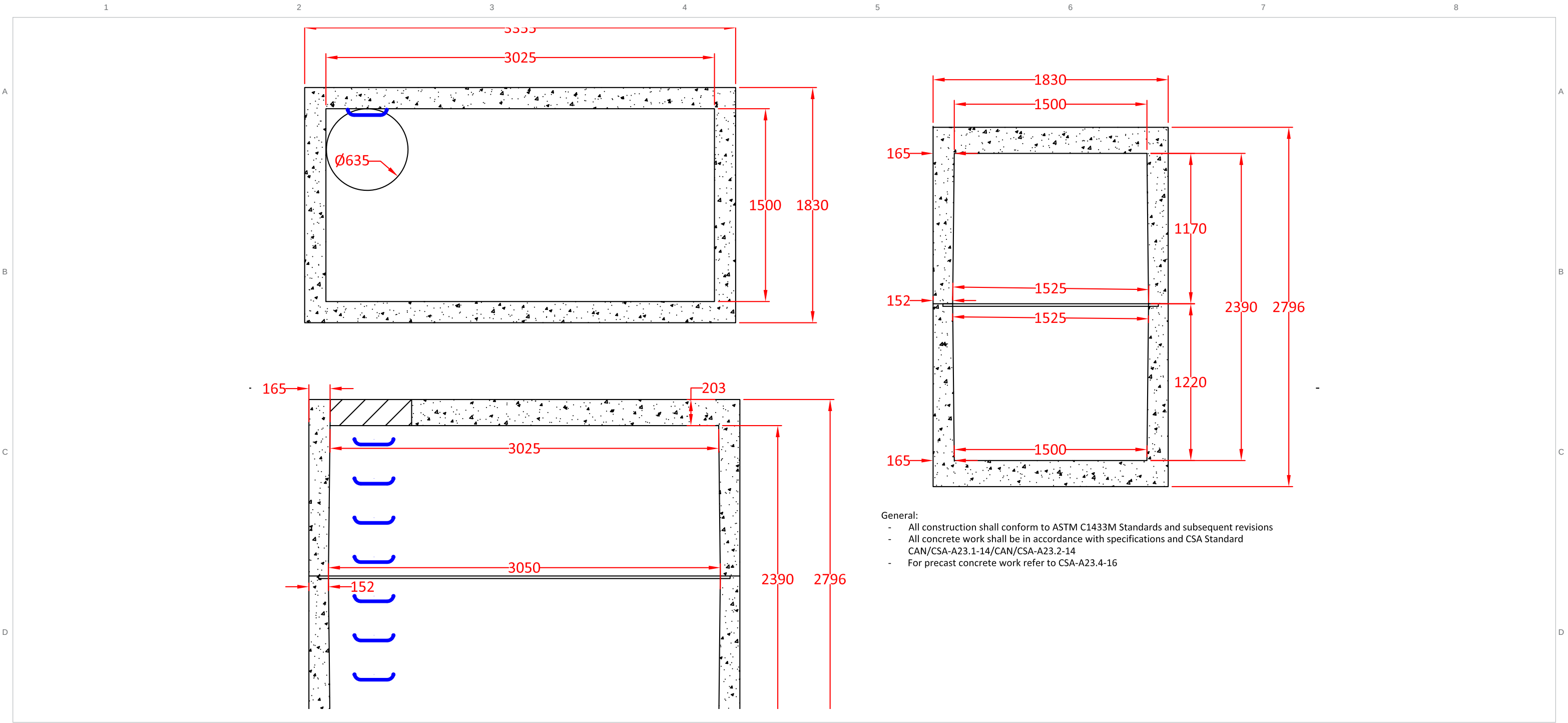
07 5212 Oil Interceptor, API

08 5212.5 API Oil Separator

09 5212.5 Coalescing Plate Oil Separator

10 5213 Oil Interceptor, API

Tri-Kon Precast Products Ltd. 601 Patterson Street West Cranbrook BC V1C 6T3 250-426-8162 info@trikonprecast.com trikonprecast.com	DRAWING / PRODUCT NAME Drawing directory	CATALOG REFERENCE TK-VO-INDEX	SHEET Index / 10 drawings
	DESCRIPTION Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.	SHEET FORMAT 11 x 17 in / Landscape	UNITS / SCALE As noted / Do not scale
	APPROX. WEIGHT - SOURCE VALUES ONLY Weights are listed on individual sheets where stated in the source.	ORIGINAL SOURCE DATE Not applicable	LAYOUT UPDATED ONLY 2026-10-05



- General:
- All construction shall conform to ASTM C1433M Standards and subsequent revisions
 - All concrete work shall be in accordance with specifications and CSA Standard CAN/CSA-A23.1-14/CAN/CSA-A23.2-14
 - For precast concrete work refer to CSA-A23.4-16

Tri-Kon Precast Products Ltd.

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DRAWING / PRODUCT NAME

3152 Vault

DESCRIPTION

Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-VO-001

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

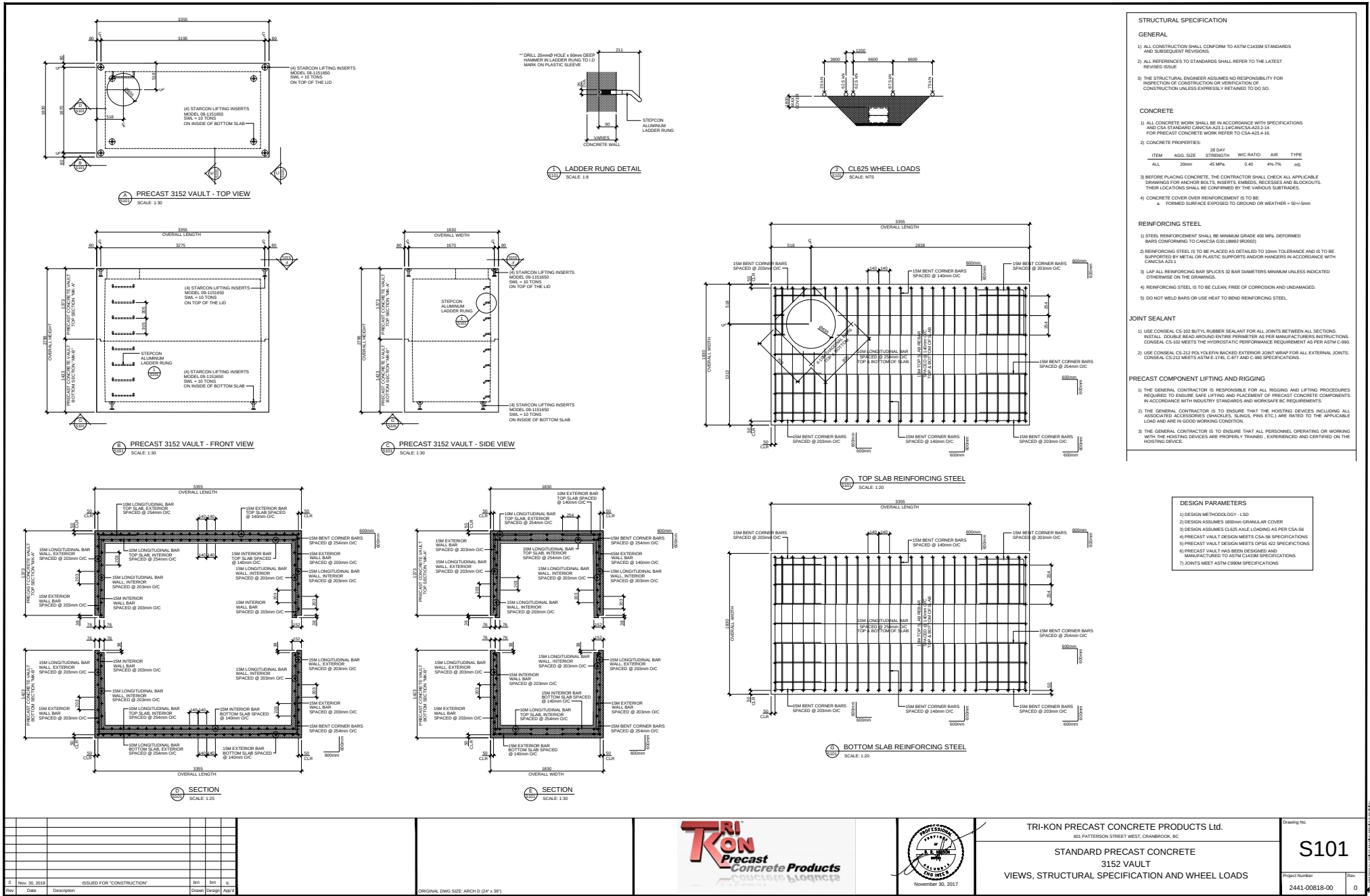
01 / 10

UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05



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DRAWING / PRODUCT NAME

3152 Vault: Structural Specification and Wheel Loads

DESCRIPTION

Original reference: 3152 Vault: Structural Specification and Wheel Loads. Technical notes and source identification are preserved.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-VO-002

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

November 30, 2017

SHEET

02 / 10

UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05

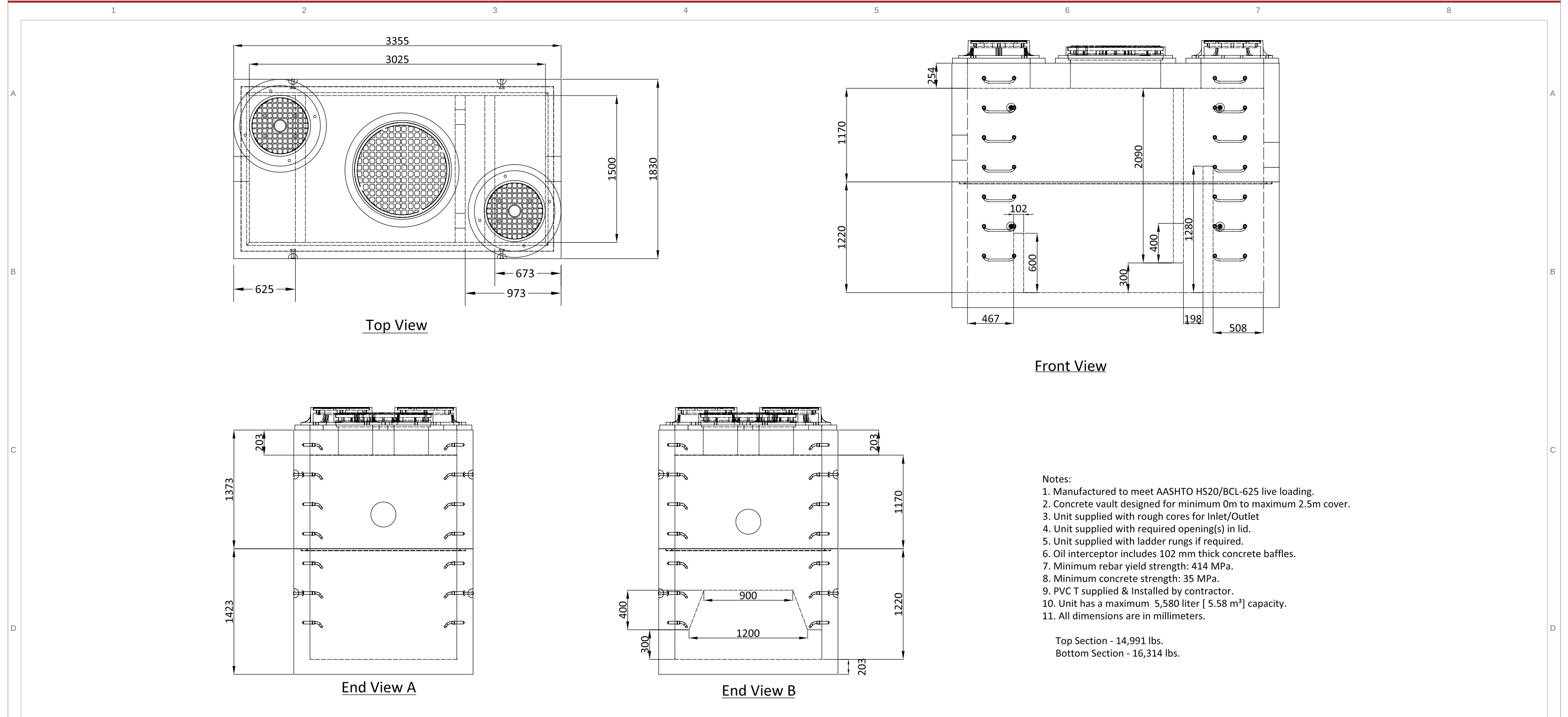


Vault & Oil Separator

3152 Oil Interceptor, API

TRI-KON SOURCE

PRODUCT REFERENCE / DO NOT SCALE



- Notes:
- 1. Manufactured to meet AASHTO HS20/BCL-625 live loading.
 - 2. Concrete vault designed for minimum 0m to maximum 2.5m cover.
 - 3. Unit supplied with rough cores for Inlet/Outlet
 - 4. Unit supplied with required opening(s) in lid.
 - 5. Unit supplied with ladder rungs if required.
 - 6. Oil interceptor includes 102 mm thick concrete baffles.
 - 7. Minimum rebar yield strength: 414 MPa.
 - 8. Minimum concrete strength: 35 MPa.
 - 9. PVC T supplied & Installed by contractor.
 - 10. Unit has a maximum 5,580 liter [5.58 m³] capacity.
 - 11. All dimensions are in millimeters.

Top Section - 14,991 lbs.
Bottom Section - 16,314 lbs.

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DRAWING / PRODUCT NAME

3152 Oil Interceptor, API

DESCRIPTION

Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-VO-003

SHEET

03 / 10

SHEET FORMAT

11 x 17 in / Landscape

UNITS / SCALE

As noted / Do not scale

ORIGINAL SOURCE DATE

As recorded in original

LAYOUT UPDATED ONLY

2026-10-05

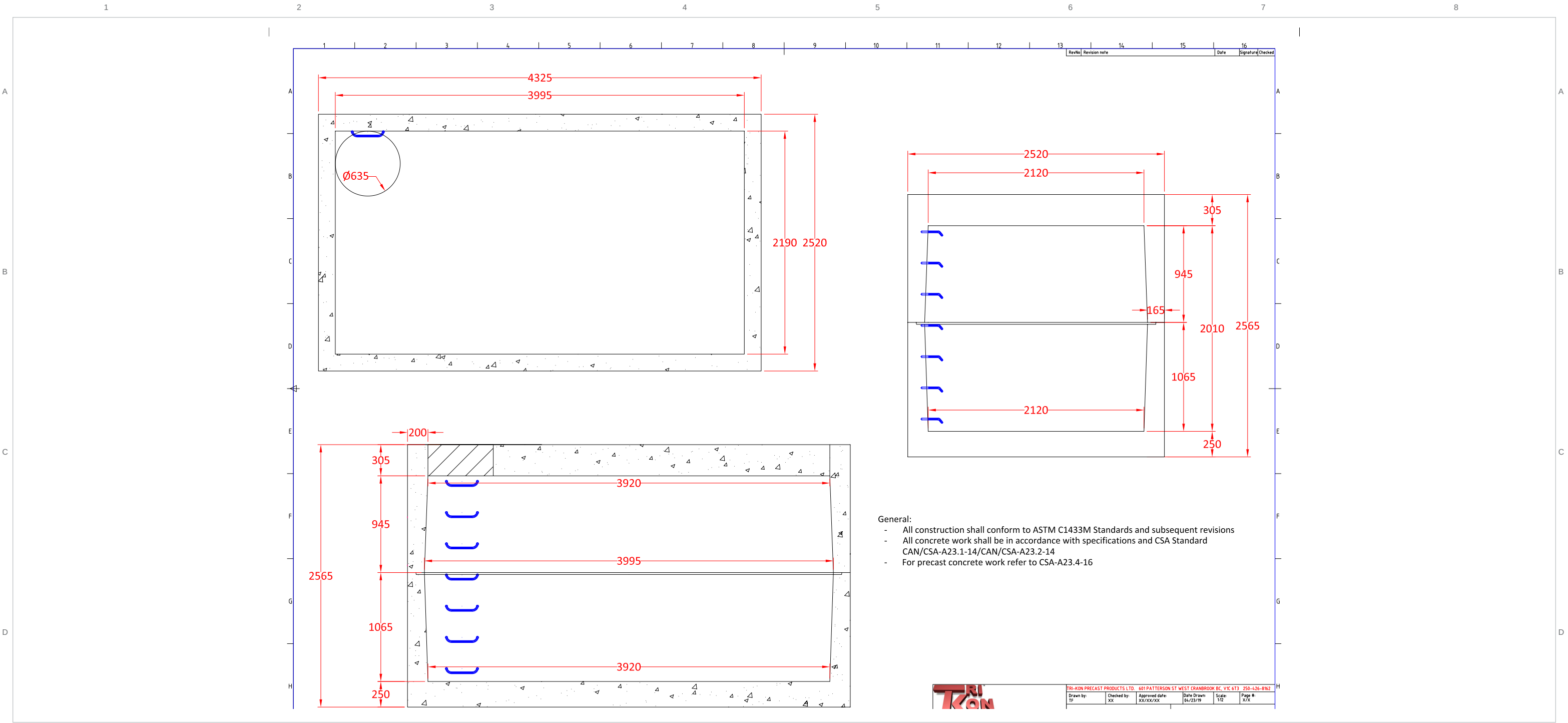


Vault & Oil Separator

4212 Vault

TRI-KON SOURCE

PRODUCT REFERENCE / DO NOT SCALE



- General:
- All construction shall conform to ASTM C1433M Standards and subsequent revisions
 - All concrete work shall be in accordance with specifications and CSA Standard CAN/CSA-A23.1-14/CAN/CSA-A23.2-14
 - For precast concrete work refer to CSA-A23.4-16

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DRAWING / PRODUCT NAME

4212 Vault

DESCRIPTION

Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-VO-004

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

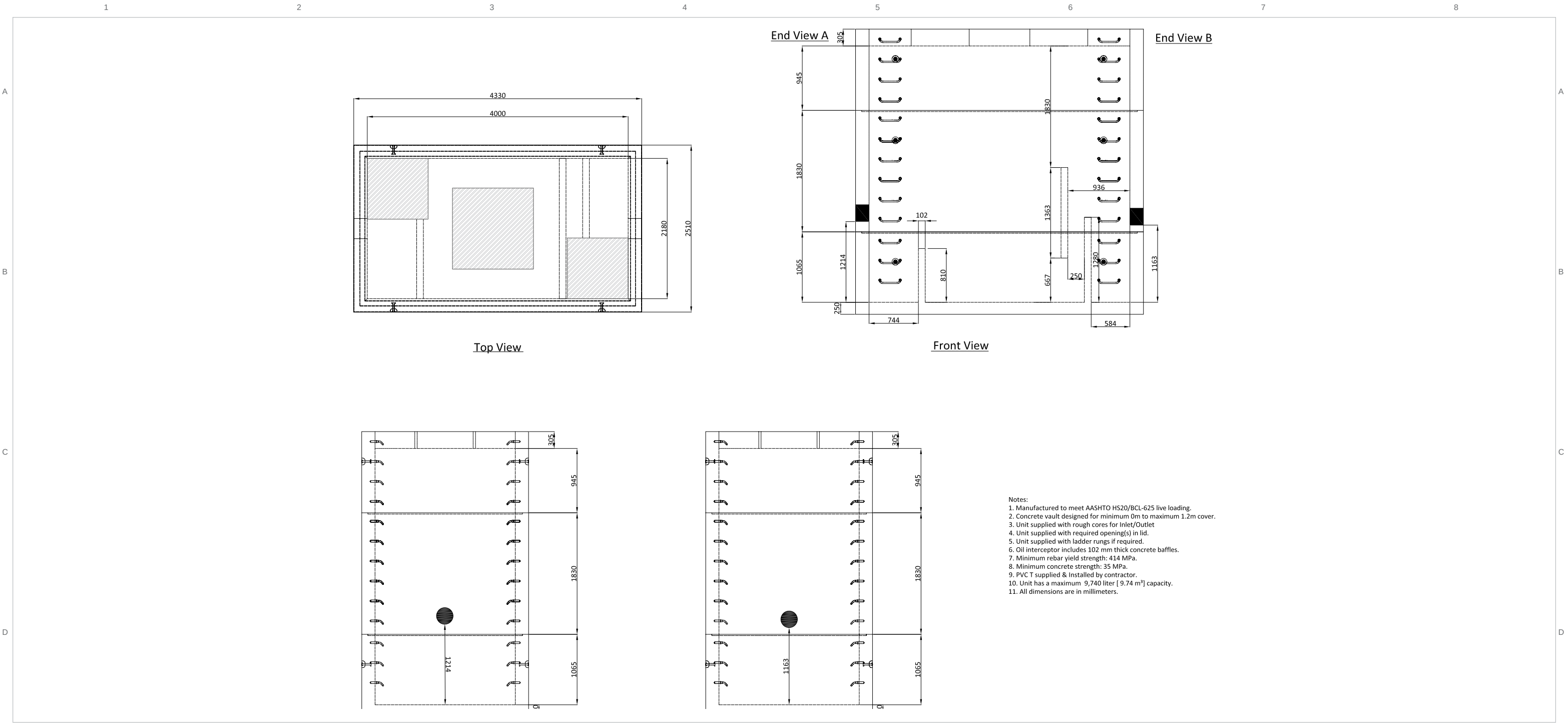
04 / 10

UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05



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DRAWING / PRODUCT NAME

4212 Oil Interceptor, API

DESCRIPTION

Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-VO-005

SHEET

05 / 10

SHEET FORMAT

11 x 17 in / Landscape

UNITS / SCALE

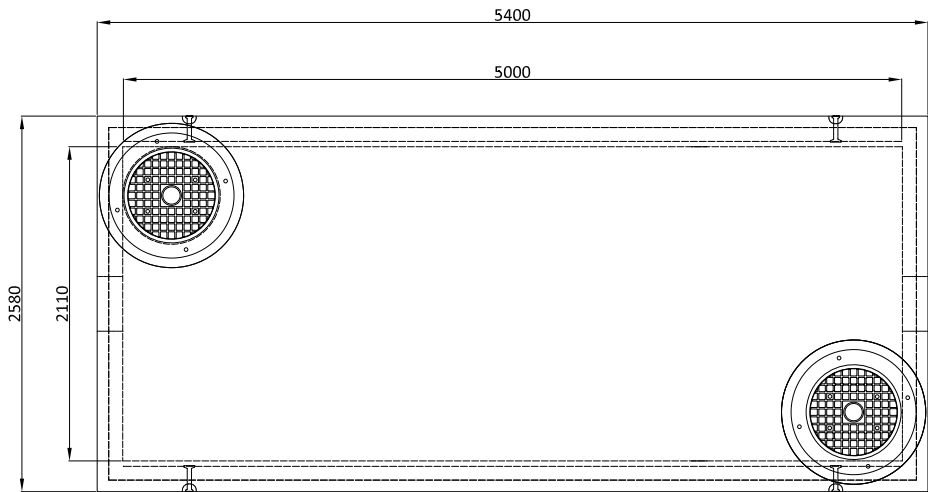
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ORIGINAL SOURCE DATE

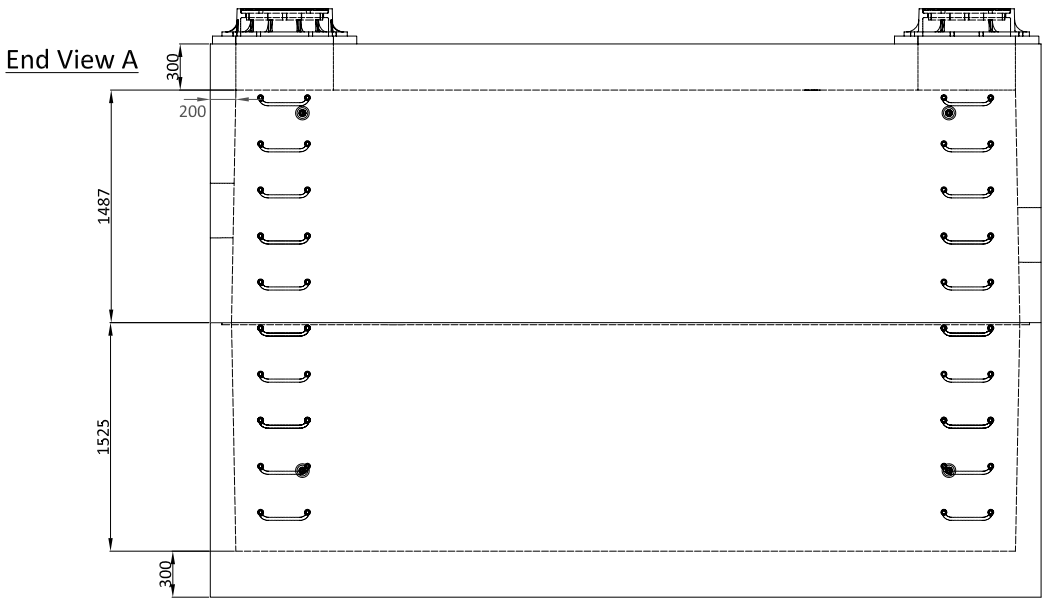
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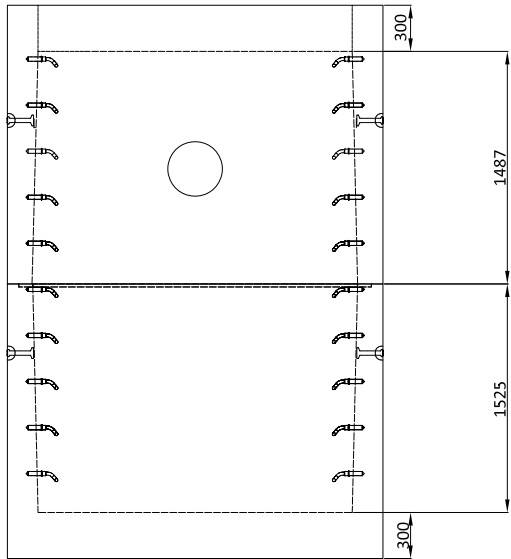
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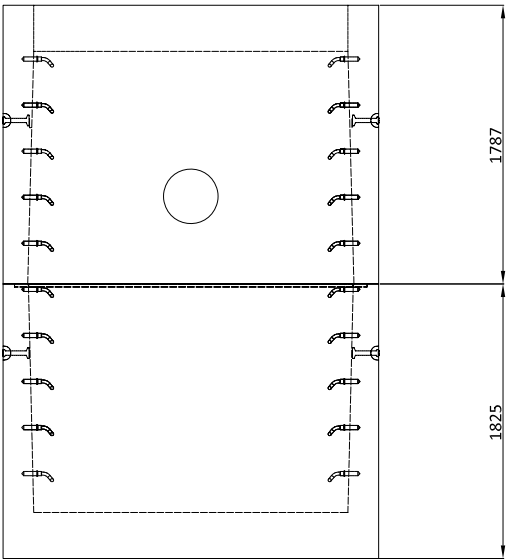
Top View



Front View



End View A



End View B

- Notes:
1. Manufactured to meet AASHTO HS20/BCL-625 live loading.
 2. Concrete vault designed for minimum 0m to maximum 2.5m cover.
 3. Unit supplied with rough cores for Inlet/Outlet
 4. Unit supplied with required opening(s) in lid.
 5. Unit supplied with ladder rungs if required.
 6. Minimum rebar yield strength: 414 MPa.
 7. Minimum concrete strength: 35 MPa.
 8. All dimensions are in millimeters.

Top Section - 41,006 lbs.
Bottom Section - 42,836 lbs.

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DRAWING / PRODUCT NAME

5212 Vault

DESCRIPTION

Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-VO-006

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

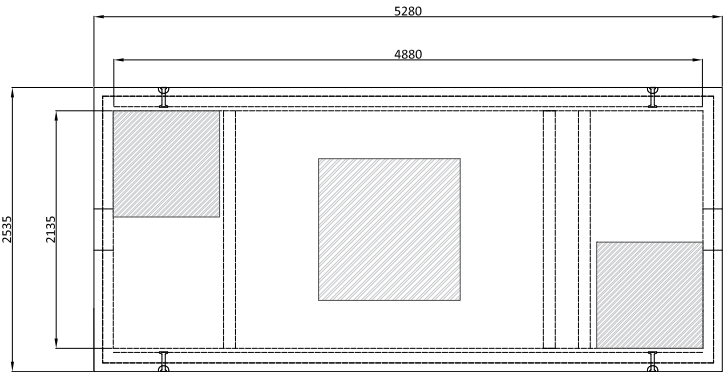
06 / 10

UNITS / SCALE

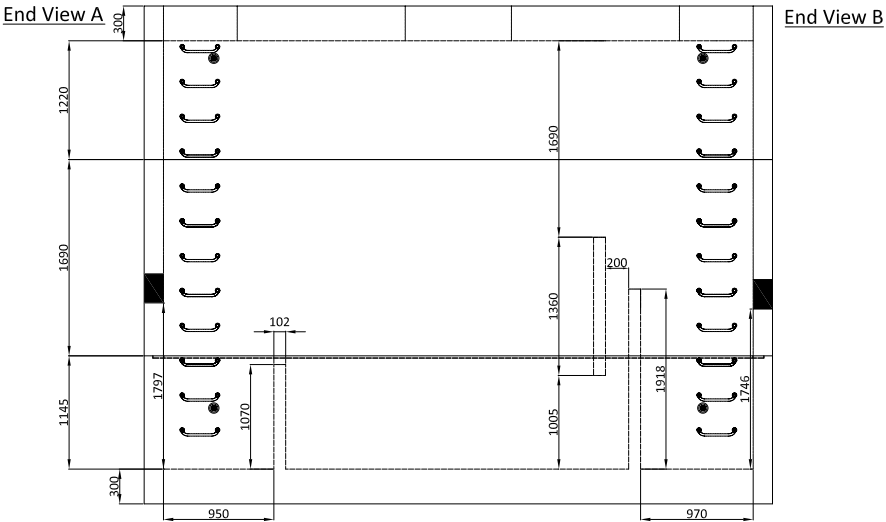
As noted / Do not scale

LAYOUT UPDATED ONLY

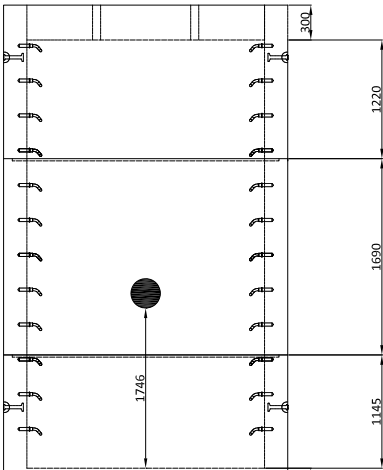
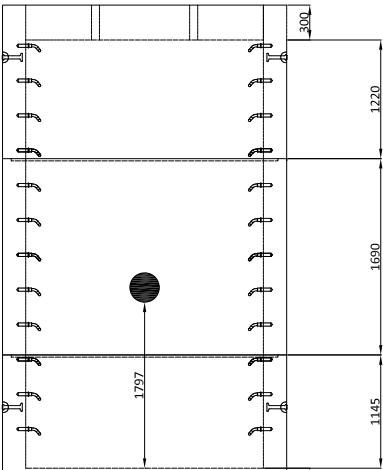
2026-10-05



Top View



Front View



- Notes:
1. Manufactured to meet AASHTO HS20/BCL-625 live loading.
 2. Concrete vault designed for minimum 0m to maximum 2.5m cover.
 3. Unit supplied with rough cores for Inlet/Outlet
 4. Unit supplied with required opening(s) in lid.
 5. Unit supplied with ladder rungs if required.
 6. Oil interceptor includes 102 mm thick concrete baffles.
 7. Minimum rebar yield strength: 414 MPa.
 8. Minimum concrete strength: 35 MPa.
 9. PVC T supplied & installed by contractor.
 10. Unit has a maximum 13,020 liter [13.02 m³] capacity.
 11. All dimensions are in millimeters.

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DRAWING / PRODUCT NAME

5212 Oil Interceptor, API

DESCRIPTION

Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-VO-007

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

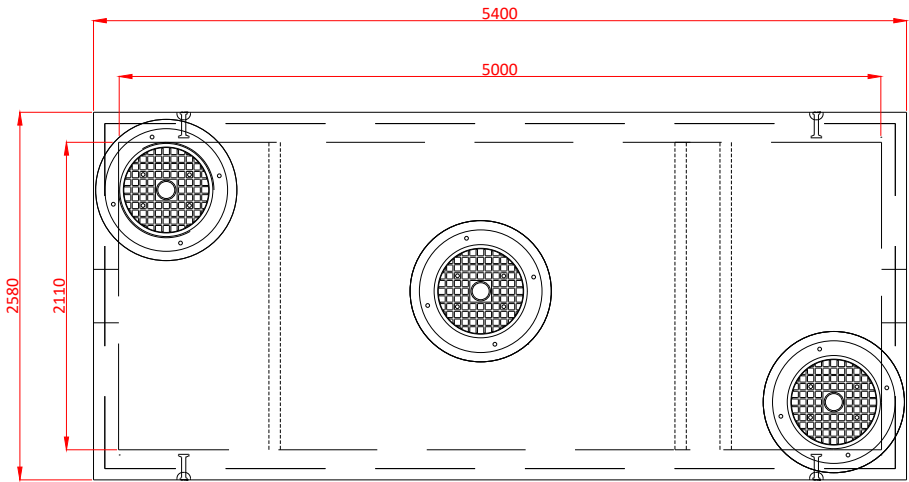
07 / 10

UNITS / SCALE

As noted / Do not scale

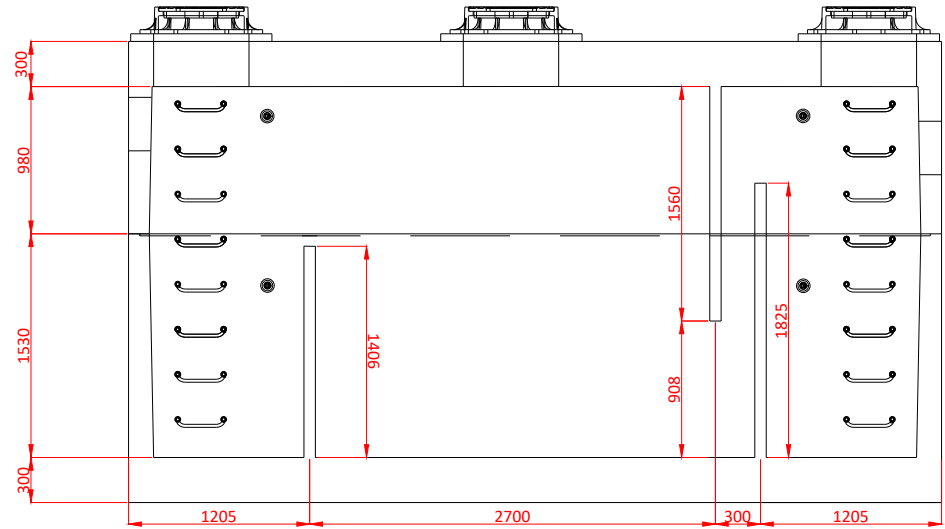
LAYOUT UPDATED ONLY

2026-10-05



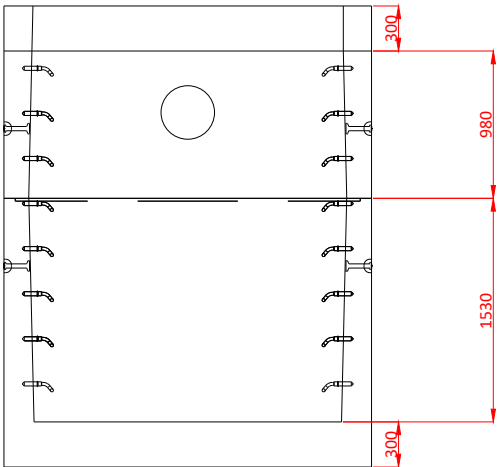
Top View

End View A

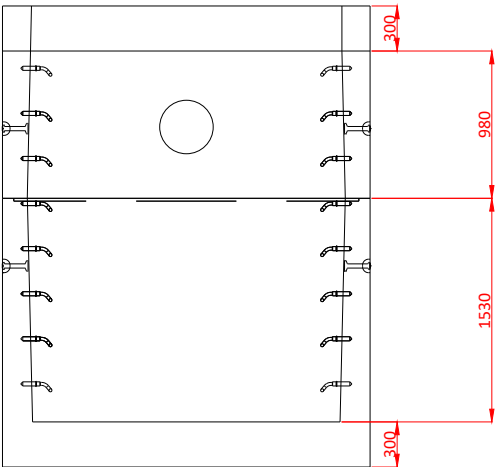


End View B

Front View



End View A



End View B

- Notes:
1. Manufactured to meet AASHTO HS20/BCL-625 live loading.
 2. Concrete vault designed for minimum 0m to maximum 2.5m cover.
 3. Unit supplied with rough cores for Inlet/Outlet
 4. Unit supplied with required opening(s) in lid.
 5. Unit supplied with ladder rungs if required.
 6. Minimum rebar yield strength: 414 MPa.
 7. Minimum concrete strength: 35 MPa.
 8. All dimensions are in millimeters.

Top Section - 27,440 lbs.
Bottom Section - 42,836 lbs.

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DRAWING / PRODUCT NAME

5212.5 API Oil Separator

DESCRIPTION

Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-VO-008

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

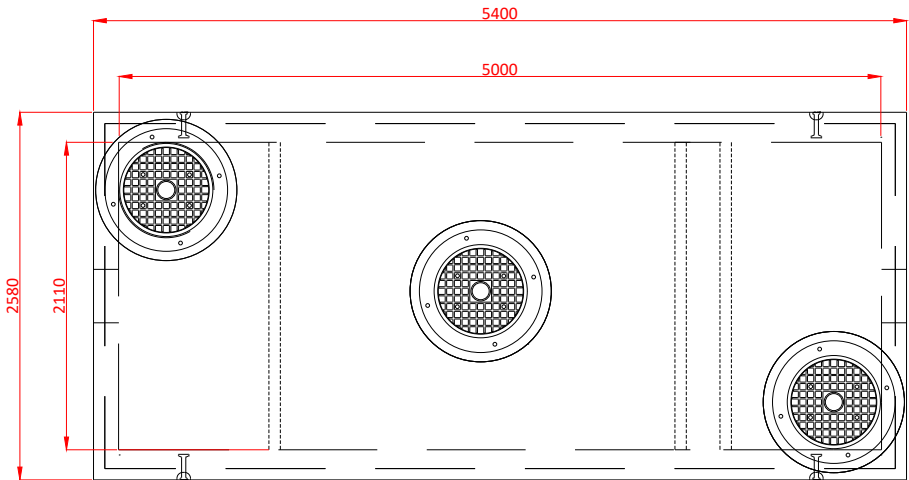
08 / 10

UNITS / SCALE

As noted / Do not scale

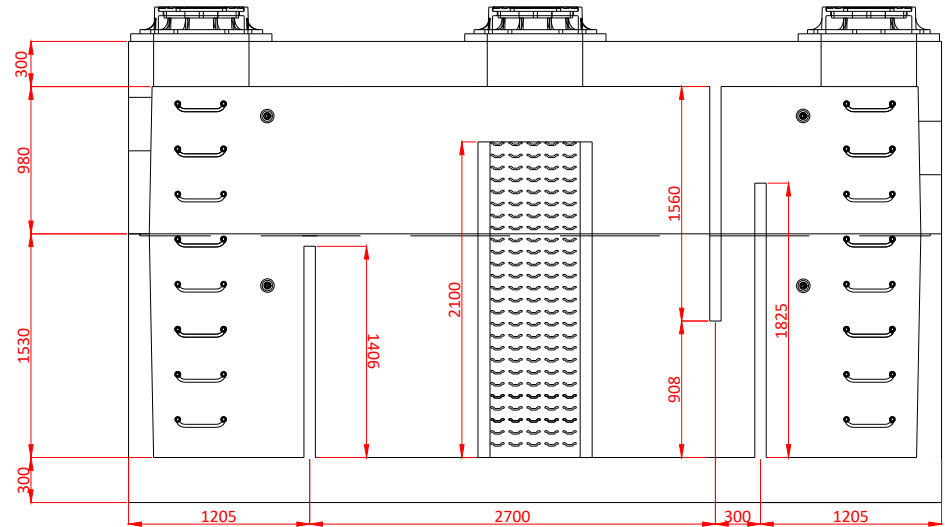
LAYOUT UPDATED ONLY

2026-10-05



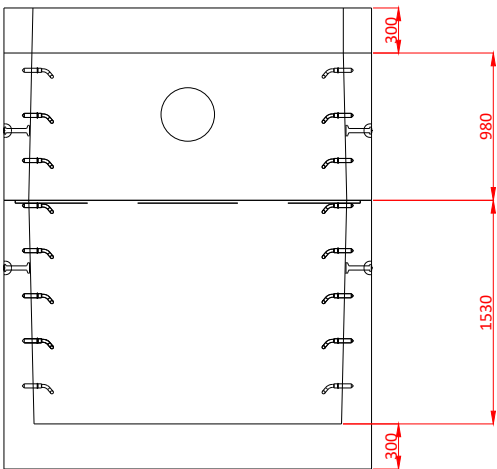
Top View

End View A

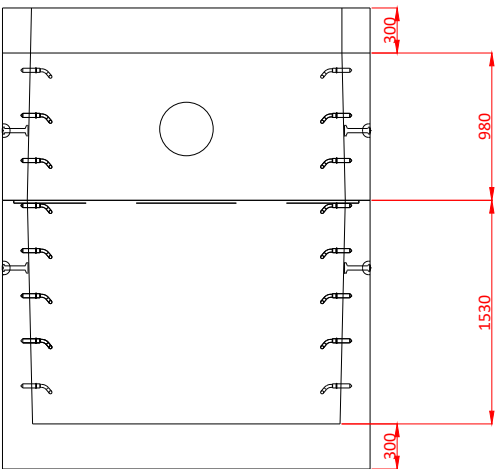


End View B

Front View



End View A



End View B

- Notes:
1. Manufactured to meet AASHTO HS20/BCL-625 live loading.
 2. Concrete vault designed for minimum 0m to maximum 2.5m cover.
 3. Unit supplied with rough cores for Inlet/Outlet
 4. Unit supplied with required opening(s) in lid.
 5. Unit supplied with ladder rungs if required.
 6. Minimum rebar yield strength: 414 MPa.
 7. Minimum concrete strength: 35 MPa.
 8. All dimensions are in millimeters.

Top Section - 27,440 lbs.
Bottom Section - 42,836 lbs.

Tri-Kon Precast Products Ltd.

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DRAWING / PRODUCT NAME

5212.5 Coalescing Plate Oil Separator

DESCRIPTION

Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-VO-009

SHEET

09 / 10

SHEET FORMAT

11 x 17 in / Landscape

UNITS / SCALE

As noted / Do not scale

ORIGINAL SOURCE DATE

As recorded in original

LAYOUT UPDATED ONLY

2026-10-05

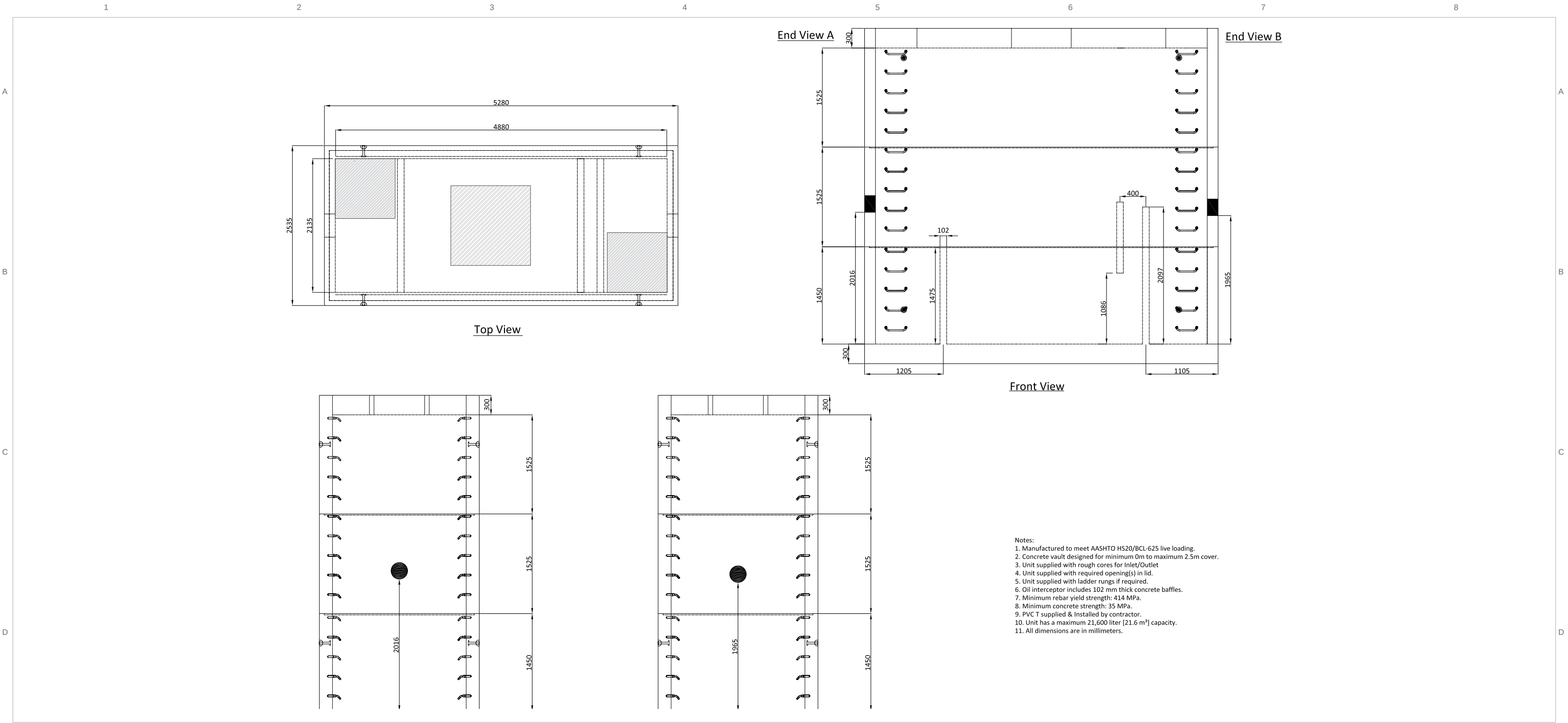


Vault & Oil Separator

5213 Oil Interceptor, API

TRI-KON SOURCE

PRODUCT REFERENCE / DO NOT SCALE



Tri-Kon Precast Products Ltd. 601 Patterson Street West Cranbrook BC V1C 6T3 250-426-8162 info@trikonprecast.com trikonprecast.com	DRAWING / PRODUCT NAME 5213 Oil Interceptor, API	CATALOG REFERENCE TK-VO-010	SHEET 10 / 10
	DESCRIPTION Vaults, oil separators and coalescing media oil separators in a range of standard sizes. Chambers are cast in steel forms with high-strength self-compacting concrete, for a watertight chamber with dense walls.	SHEET FORMAT 11 x 17 in / Landscape	UNITS / SCALE As noted / Do not scale
	APPROX. WEIGHT - SOURCE VALUES ONLY See drawing / confirm with Tri-Kon; no weight estimated.	ORIGINAL SOURCE DATE As recorded in original	LAYOUT UPDATED ONLY 2026-10-05