Concrete Barrier

Standard Drawings

25 drawings

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier

DRAWING
Cover

WEIGHT

DRAWING NO.

DATE
As per drawing

SHEET
Cover

UNITS / SCALE
As per drawing

Request A Quote

Drawing Index

25 drawings. Select one to open its sheet.

01	Barrier Buying Guide	10	CMB-H 810mm Concrete Median Barrier Details · SP941-02.01.03	19	CRB-H 690mm Concrete Roadside Barrier · SP941-01.02.01
02	BPT 810mm Concrete Bridge Parapet Transition · SP941-03.04.01	11	CMDB-E 810mm Concrete Median Drainage Barrier Details · SP941-02.01.10	20	CRB-H 690mm Concrete Roadside Barrier Details · SP941-01.02.03
03	BPT 810mm Concrete Bridge Parapet Transition Details · SP941-03.04.02	12	CPB-E 810mm Concrete Pier Barrier · SP941-02.01.06	21	CTB-1E 690mm to 460mm Concrete Transition Barrier · SP941-03.01.01
04	CBN-H & CBN-E 460mm Concrete Bullnose · SP941-01.01.01	13	CPB-H 810mm Concrete Pier Barrier · SP941-02.01.05	22	CTB-2H 810mm to 690mm Concrete Transition Barrier · SP941-03.02.01
05	CDB-E 690mm Concrete Drainage Barrier Details · SP941-01.02.05	14	CPB-H & CPB-E 810mm Concrete Pier Barrier Details · SP941-02.01.07	23	CTB-3E+H 686mm to 690mm Concrete Transition Barrier · SP941-03.03.03
06	CLB-E+H 460mm Concrete Low Barrier · SP941-01.01.02	15	CRB6PC 6 ft Concrete Parking Curb · CRB6PC	24	CTB-3E+H 686mm to 690mm Concrete Transition Barrier Details · SP941-03.03.04
07	CMB-E 810mm Concrete Median Barrier · SP941-02.01.02	16	CRB8PC 8 ft Concrete Parking Curb · CRB8PC	25	CTB-3H 686mm to 690mm Concrete Transition Barrier · SP941-03.03.01
08	CMB-E 810mm Concrete Median Barrier Details · SP941-02.01.04	17	CRB-E 690mm Concrete Roadside Barrier · SP941-01.02.02		
09	CMB-H 810mm Concrete Median Barrier · SP941-02.01.01	18	CRB-E 690mm Concrete Roadside Barrier Details · SP941-01.02.04		

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier

DRAWING
Drawing Index

WEIGHT

DRAWING NO.

DATE
As per drawing

SHEET
Index

UNITS / SCALE
As per drawing

Request A Quote

General Description: Concrete Barrier is used on highways and side roads to prevent motor vehicles from going over banks. The most common Roadside Barrier is 690 mm high (27 inches). In addition to 690 mm Barrier, we manufacture Barrier that's placed in the middle of traffic lanes known as "Median Barrier". The Barrier on the ends of bridges is known as "Bridge Parapet Barrier". Both Median Barrier and Bridge Parapet Barrier are 810 mm high (32 inches).
Configuration: You may purchase Concrete Barrier in individual pieces (e.g., for use in a parking lot or to block off fuel tanks, etc.) or as commonly seen as a "string" with the various pieces joined together using "hooks" (also known as male pieces) and "eyes" (also known as female pieces). Strings of Barrier usually taper at each end to achieve a gradual transition from the highest point of the Barrier to the ground. To achieve this gradual tapered look, customers will purchase a "Transition" piece along with a "Bullnose" piece at each end of the string. Each piece of standard (690mm or 810mm) Barrier is 2.5 meters (8 feet) long. Bullnose pieces are half the length of a regular piece of Barrier: 1.2 meters (4 feet) long.

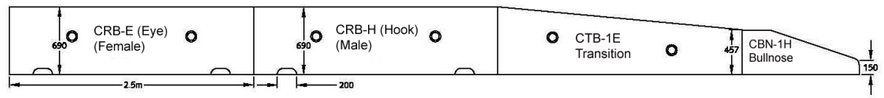


Figure 1.1: 690mm CRB Female (Eye), and Male (Hook) with Transition (CTB-1E) and Bullnose (CBN-1H) on end

General Rules for Configuring and Purchasing Barrier:

1. If joining together in a string you will usually need to purchase 2 Transition and 2 Bullnose pieces per string (one Transition and one Bullnose on each end of the string).
2. Start and end each string with a Male (Hook) – this means that there will usually always be an odd number of regular pieces in each string (one more male piece than female)
3. If you have a length measurement for the string, then divide the length by 2.5 (meters) or 8 (feet) to determine how many pieces are required for the string. Subtract 1 piece for the 2 Bullnose pieces (2 Bullnose = same length as 1), and 2 pieces for the Transition to come up with a total of regular pieces. Example: You require a string that is 50 meters in length. Divide 50 by 2.5 = 20 pieces required. Subtract 1 piece for the Bullnose = 19 pieces; subtract 2 pieces for the Transition = 17 pieces. You can now tell our office personnel you require 17 pieces of regular CRB (9 male and 8 female), 2 – Transition pieces, and 2 Bullnose pieces.
4. If you are not joining the pieces in a string, you will likely want to purchase Barrier with "Eyes" (Female) as the "Hooks" (Male) pieces have a hook protruding from each end that could become a safety concern.
5. If you are joining on to an existing string or replacing broken pieces, measure the pieces and provide pictures if possible to ensure we supply Barriers that are compatible with your existing string.
6. If you are joining a Median Barrier or Bridge Parapet (810 mm) string to a 690 mm string, you will require a Transition piece known as a "CTB-2".

Once you have all of your requirements, contact our office for supply and delivery/installation pricing.

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
Barrier Buying Guide

WEIGHT

DRAWING NO.

DATE
As per drawing

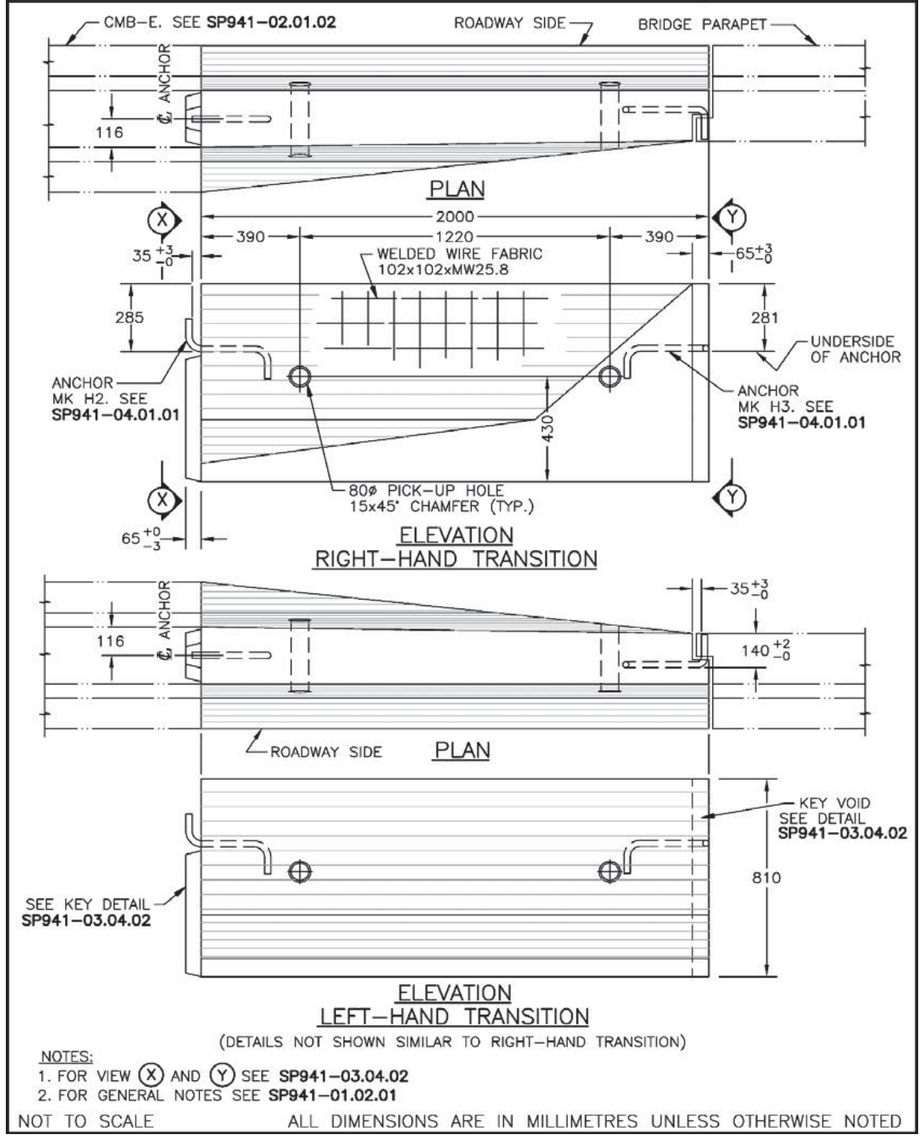
SHEET
01 of 25

UNITS / SCALE
As per drawing

Request A Quote

STANDARD BRIDGE PARAPET 810 mm HIGH TRANSITION

SP941–03.04.01



NOTES:
1. FOR VIEW (X) AND (Y) SEE **SP941–03.04.02**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier

DRAWING
BPT 810mm Concrete Bridge Parapet Transition

WEIGHT
3700 lbs

DRAWING NO.
SP941-03.04.01

DATE
As per drawing

SHEET
02 of 25

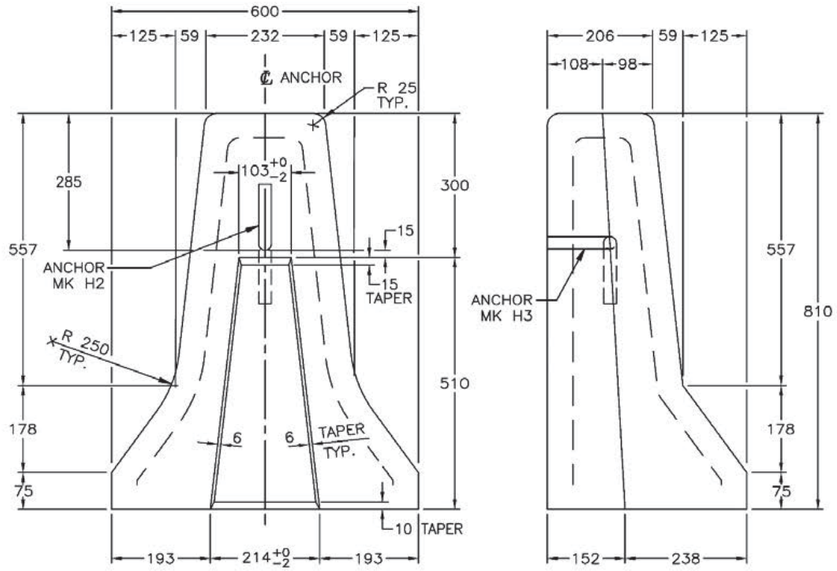
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

STANDARD BRIDGE PARAPET 810 mm HIGH TRANSITION – DETAILS

SP941–03.04.02

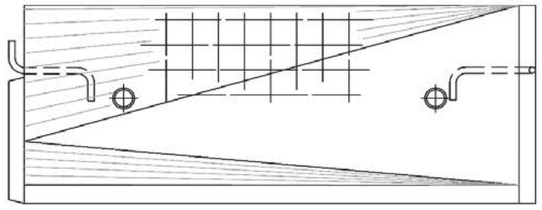


VIEW (X)

RIGHT HAND TRANSITION SHOWN
LEFT HAND TRANSITION SIMILAR

VIEW (Y)

RIGHT HAND TRANSITION SHOWN
LEFT HAND TRANSITION OPP. HAND



ACCEPTABLE ALTERNATE SIDE CONFIGURATION

RIGHT HAND TRANSITION ELEVATION SHOWN
LEFT HAND TRANSITION ELEVATION OPPOSITE HAND

NOTES:
1. FOR LOCATION OF VIEW (X) AND (Y) SEE **SP941–03.04.01**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
BPT 810mm Concrete Bridge Parapet Transition Details

WEIGHT
3700 lbs

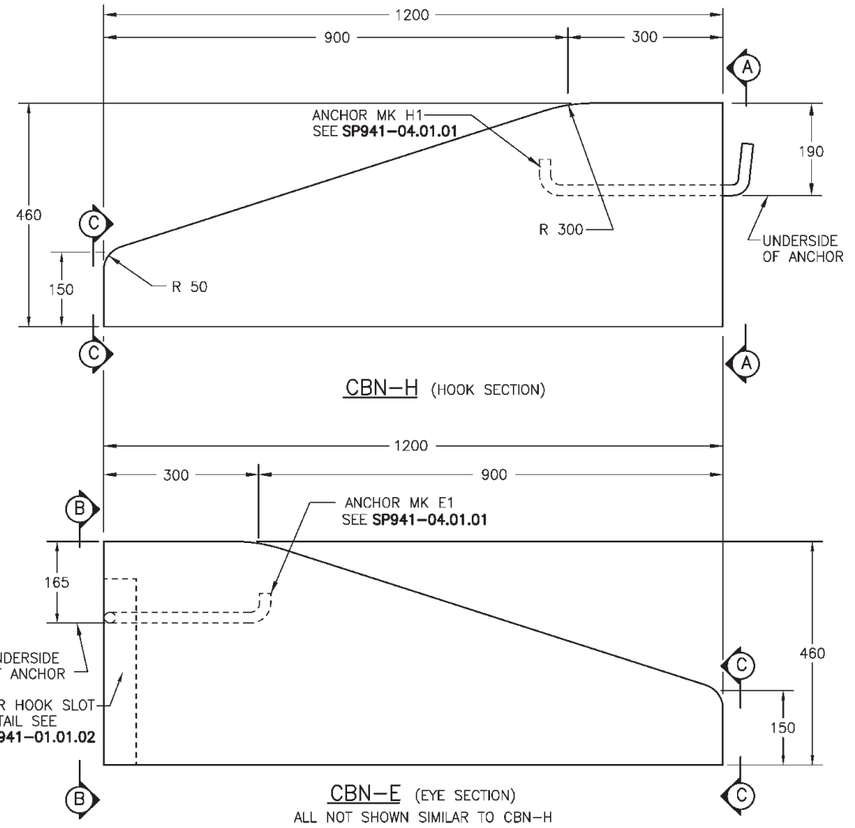
DRAWING NO.
SP941-03.04.02
DATE
As per drawing
SHEET
03 of 25
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

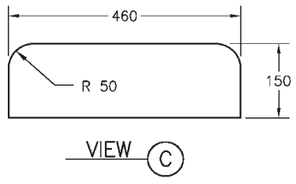
PRECAST CONCRETE BULL–NOSE 460 mm – CBN–H & CBN–E

SP941–01.01.01



GENERAL NOTES:

1. FOR VIEW (A) & (B) SEE **SP941–01.01.02**
2. FIBRILATED FIBRE STRAND REINFORCED CONCRETE TO BE USED FOR BULL–NOSE (CBN).
3. FIBRILLATED FIBRE STRAND REINFORCED CONCRETE MAY BE SUBSTITUTED FOR STEEL REINFORCED CONCRETE IN LOW BARRIER (CLB–H & E).
4. MATERIALS AND QUALITY OF WORK TO BE IN ACCORDANCE WITH SECTION **941.**
5. STANDARD CBN–E MAY BE MANUFACTURED ONLY WITH PRIOR WRITTEN PERMISSION FROM THE HIGHWAY SAFETY BRANCH.



NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier

DRAWING
CBN-H & CBN-E 460mm Concrete Bullnose

WEIGHT
500 lbs

DRAWING NO.
SP941-01.01.01

DATE
As per drawing

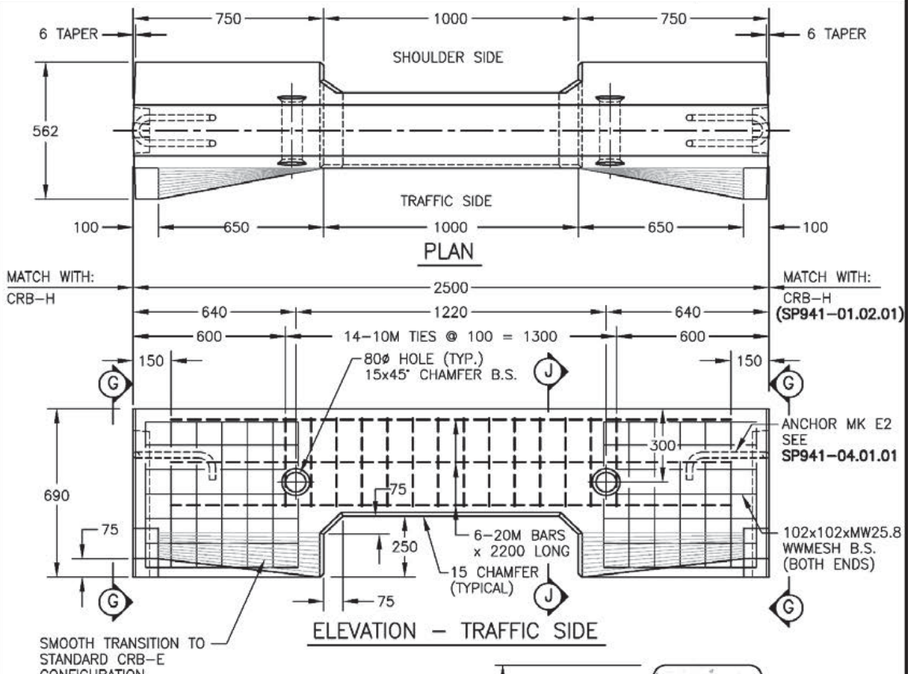
SHEET
04 of 25

UNITS / SCALE
As per drawing

Request A Quote

PRECAST CONCRETE DRAINAGE BARRIER (SPECIAL USE[5]) 690 mm – CDB–E DETAILS

SP941–01.02.05



NOTES:

1. FOR VIEW (G) SEE **SP941–01.02.04.**
2. SEE **SP941–01.02.01** FOR DETAILS OF CONNECTING HOOK UNIT.
3. FOR GENERAL NOTES SEE **SP941–01.02.01**
4. FIBRILLATED FIBRE STRAND REINFORCED CONCRETE MAY BE SUBSTITUTED FOR WELDED WIRE MESH REINFORCED CONCRETE. ADDITIONAL BARS AND TIES WILL STILL APPLY.
5. THIS LARGE OPENING DRAINAGE BARRIER WAS DEVELOPED TO BE USED IN CONJUNCTION WITH A PAVED SPILLWAY AT THE BOTTOM OF SAG CURVES. IT MAY BE APPROPRIATE FOR USE AT OTHER LOCATIONS WHERE A SIGNIFICANT VOLUME OF WATER REQUIRES AN OUTLET THAT CANNOT BE HANDLED BY CRB WITH A 65 mm DRAINAGE SLOT.

NOT TO SCALE

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CDB-E 690mm Concrete Drainage Barrier Details

WEIGHT
2400 lbs

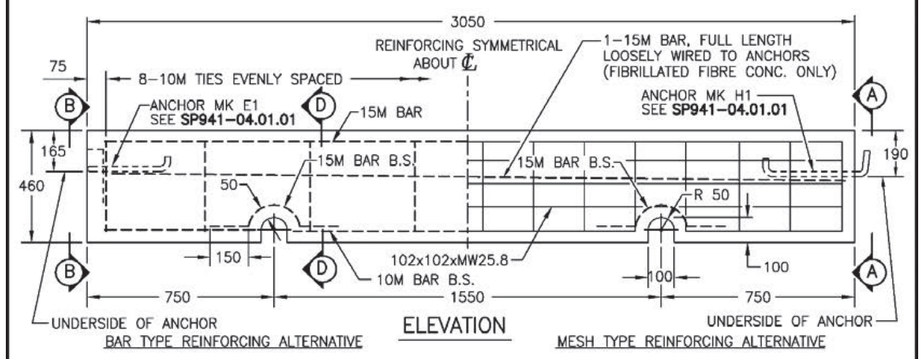
DRAWING NO.
SP941-01.02.05
DATE
As per drawing
SHEET
05 of 25
UNITS / SCALE
As per drawing

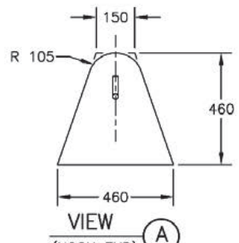
Request A Quote

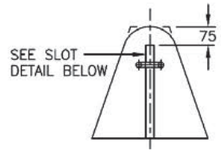
Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

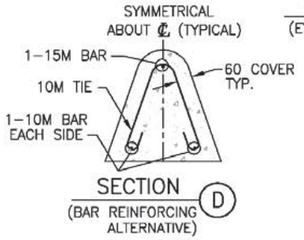
PRECAST CONCRETE LOW BARRIER 460 mm – CLB–E+H

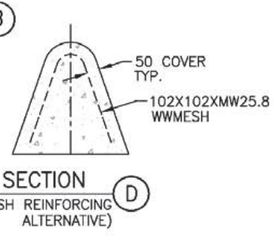
SP941–01.01.02

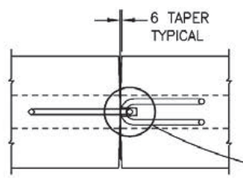


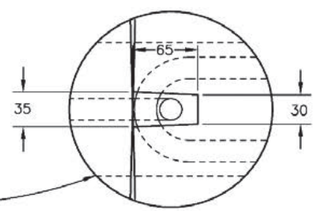












NOTE: FOR GENERAL NOTES SEE **SP941–01.01.01**

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CLB-E+H 460mm Concrete Low Barrier

WEIGHT
1900 lbs

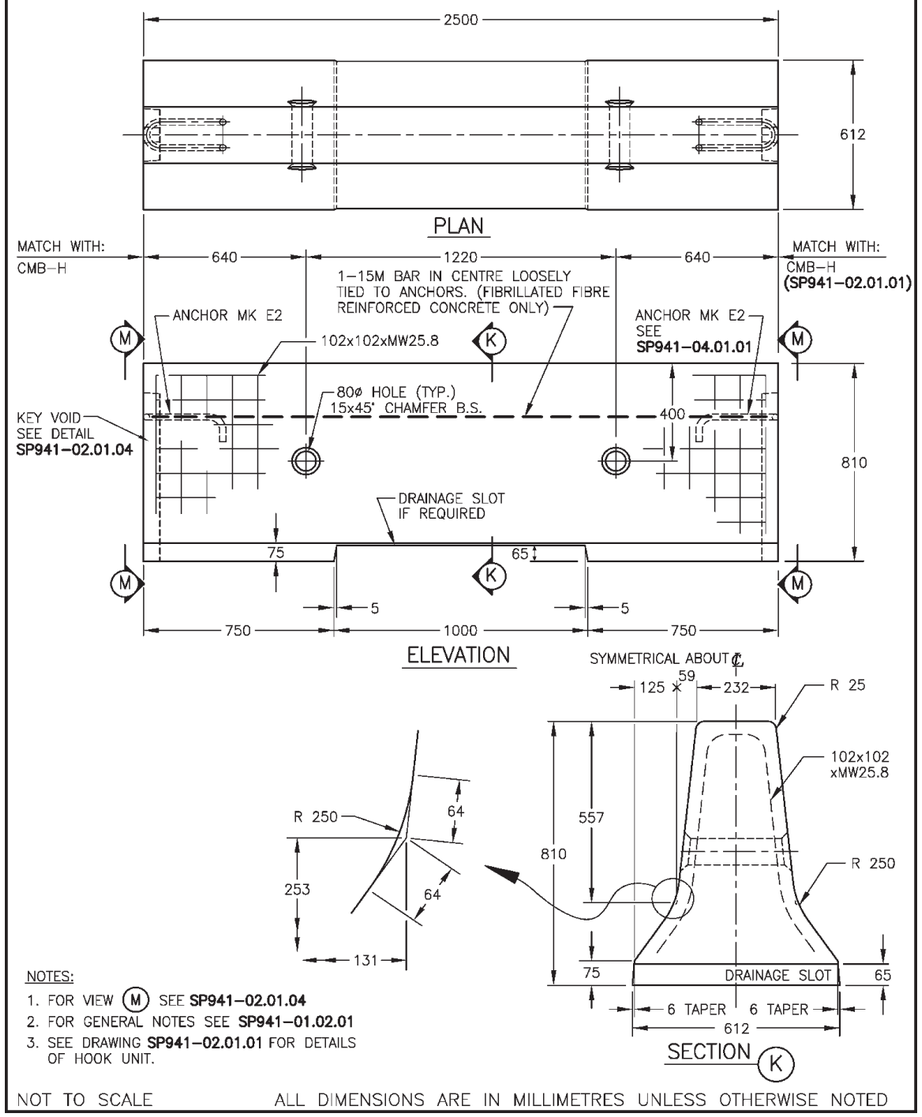
DRAWING NO.
SP941-01.01.02
SHEET
06 of 25

DATE
As per drawing
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE MEDIAN BARRIER 810 mm – CMB–E	SP941–02.01.02



NOTES:

1. FOR VIEW (M) SEE **SP941–02.01.04**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**
3. SEE DRAWING **SP941–02.01.01** FOR DETAILS OF HOOK UNIT.

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CMB-E 810mm Concrete Median Barrier

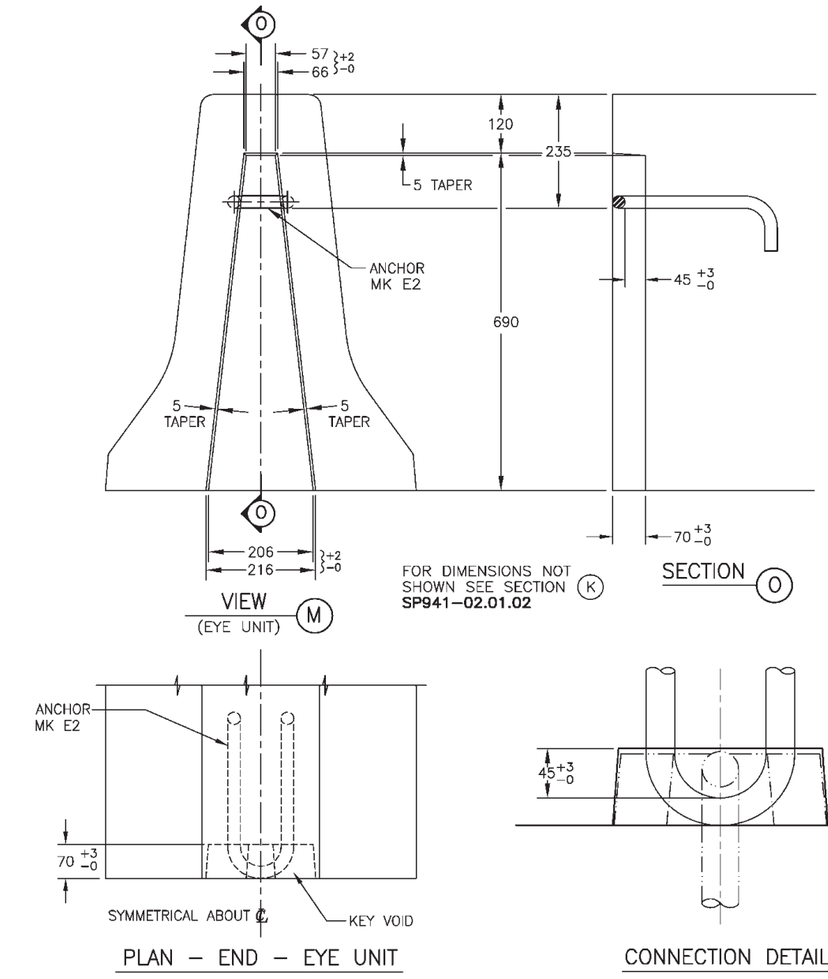
WEIGHT
3700 lbs

DRAWING NO.
SP941-02.01.02
SHEET
07 of 25
DATE
As per drawing
UNITS / SCALE
As per drawing

Request A Quote

PRECAST CONCRETE MEDIAN BARRIER 810 mm – CMB–E DETAILS

SP941–02.01.04



NOTES:

1. FOR LOCATION OF VIEW (M) SEE **SP941–02.01.02.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01.**
3. FOR DETAILS OF ANCHORS SEE **SP941–04.01.01.**
4. THE CONNECTION DIMENSIONS PERMIT INSTALLATION TO A MINIMUM HORIZONTAL CURVE RADIUS OF 95.5 METRES.

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CMB-E 810mm Concrete Median Barrier Details

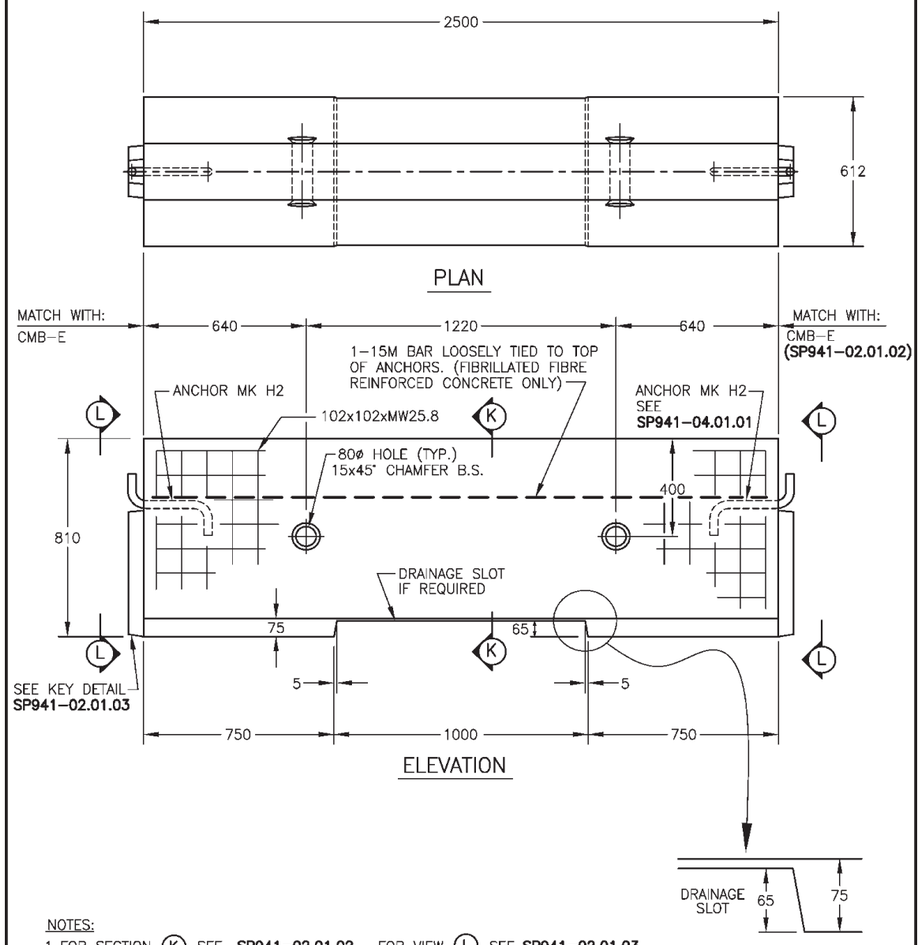
WEIGHT
3700 lbs

DRAWING NO.
SP941-02.01.04
DATE
As per drawing
SHEET
08 of 25
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE MEDIAN BARRIER 810 mm – CMB–H	SP941–02.01.01



NOTES:
1. FOR SECTION (K) SEE **SP941–02.01.02** FOR VIEW (L) SEE **SP941–02.01.03.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**
3. SEE DRAWING **SP941–02.01.02** FOR DETAILS OF EYE UNIT.

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CMB-H 810mm Concrete Median Barrier

WEIGHT
3700 lbs

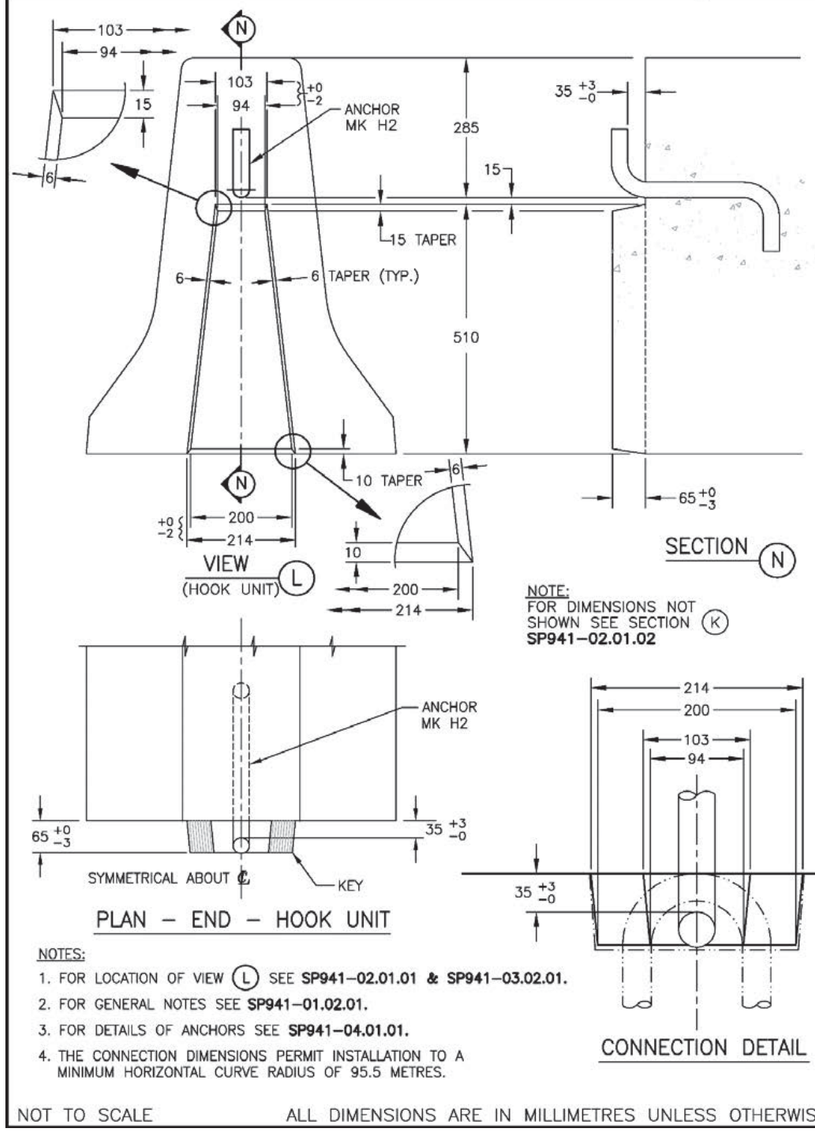
DRAWING NO.
SP941-02.01.01
DATE
As per drawing
SHEET
09 of 25
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE MEDIAN BARRIER 810 mm – CMB–H DETAILS

SP941–02.01.03



NOTES:

1. FOR LOCATION OF VIEW (L) SEE **SP941–02.01.01 & SP941–03.02.01.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01.**
3. FOR DETAILS OF ANCHORS SEE **SP941–04.01.01.**
4. THE CONNECTION DIMENSIONS PERMIT INSTALLATION TO A MINIMUM HORIZONTAL CURVE RADIUS OF 95.5 METRES.

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CMB-H 810mm Concrete Median Barrier Details

WEIGHT
3700 lbs

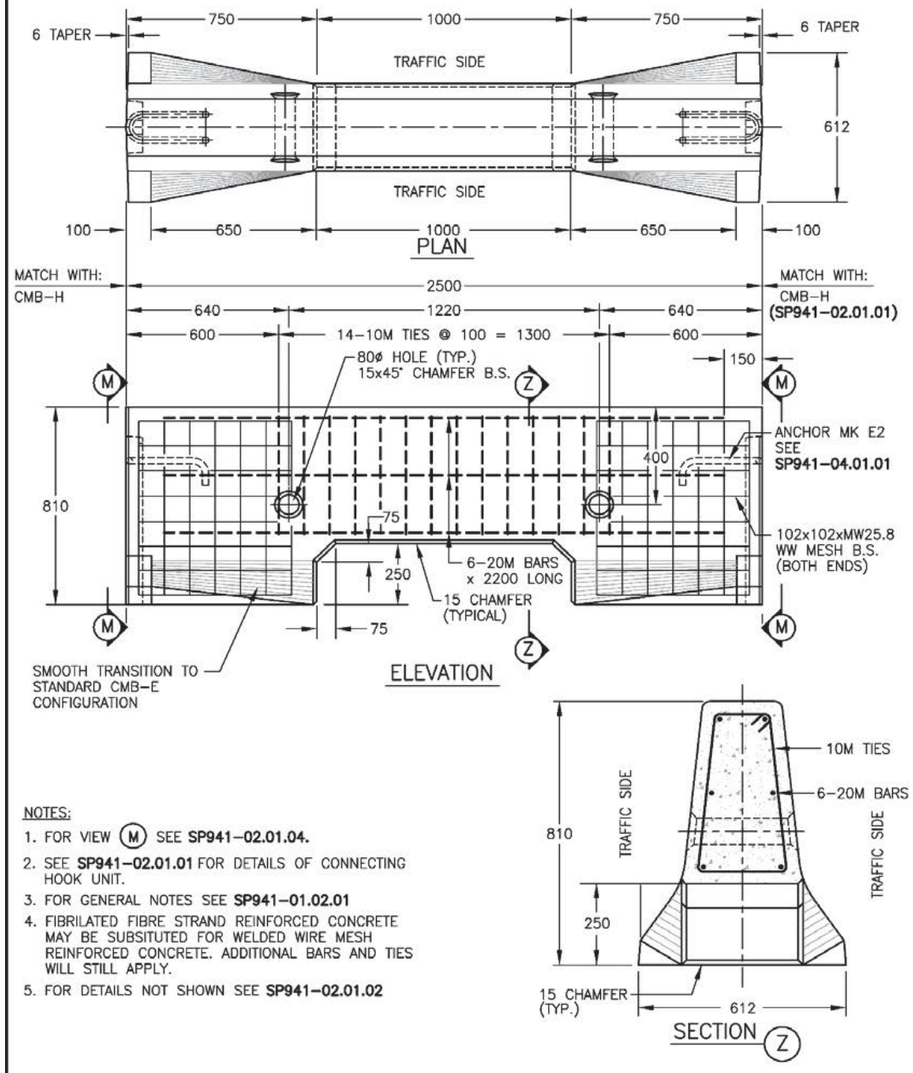
DRAWING NO.
SP941-02.01.03
SHEET
10 of 25
DATE
As per drawing
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE MEDIAN DRAINAGE BARRIER 810 mm – CMDB–E DETAILS

SP941–02.01.10



NOTES:

1. FOR VIEW (M) SEE **SP941–02.01.04.**
2. SEE **SP941–02.01.01** FOR DETAILS OF CONNECTING HOOK UNIT.
3. FOR GENERAL NOTES SEE **SP941–01.02.01**
4. FIBRILATED FIBRE STRAND REINFORCED CONCRETE MAY BE SUBSITUTED FOR WELDED WIRE MESH REINFORCED CONCRETE. ADDITIONAL BARS AND TIES WILL STILL APPLY.
5. FOR DETAILS NOT SHOWN SEE **SP941–02.01.02**

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CMDB-E 810mm Concrete Median Drainage Barrier Details

WEIGHT
3500 lbs

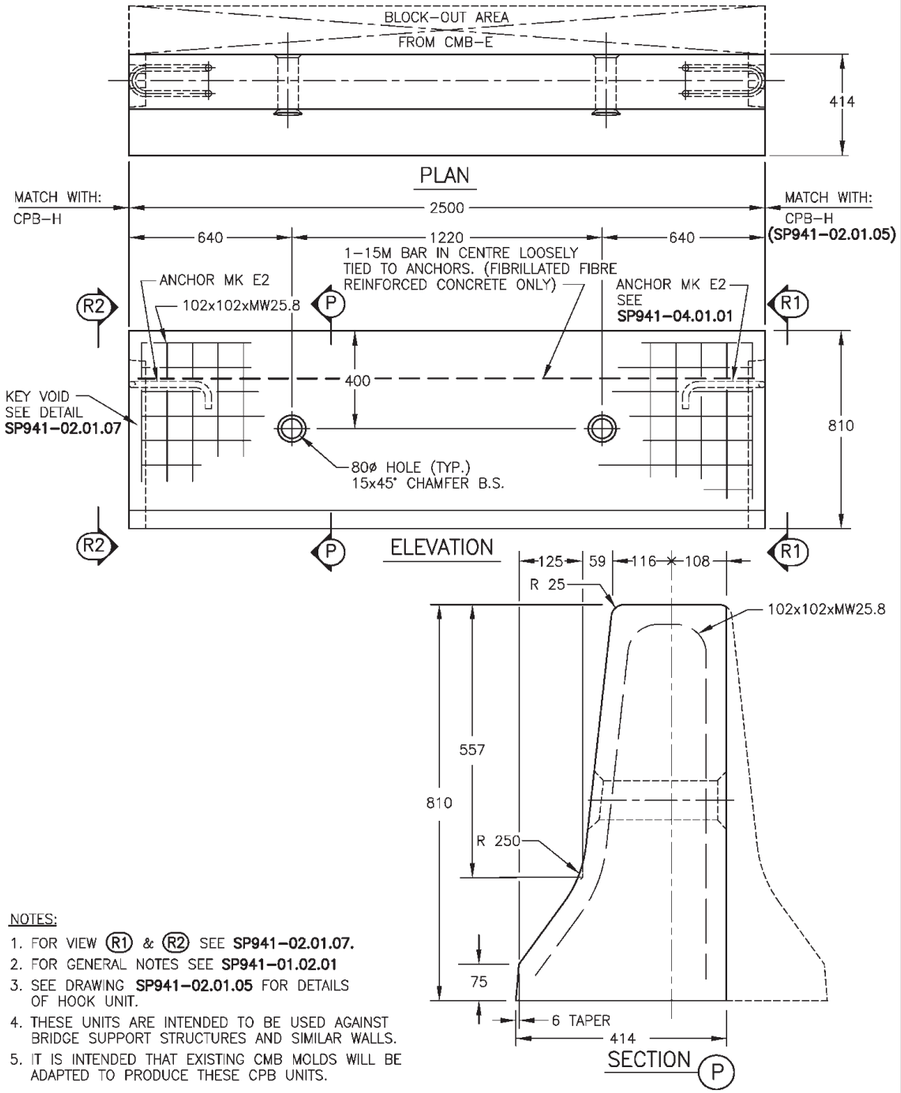
DRAWING NO.
SP941-02.01.10
DATE
As per drawing
SHEET
11 of 25
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE PIER BARRIER 810 mm – CPB–E

SP941–02.01.06



NOTES:

1. FOR VIEW (R1) & (R2) SEE **SP941–02.01.07.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**
3. SEE DRAWING **SP941–02.01.05** FOR DETAILS OF HOOK UNIT.
4. THESE UNITS ARE INTENDED TO BE USED AGAINST BRIDGE SUPPORT STRUCTURES AND SIMILAR WALLS.
5. IT IS INTENDED THAT EXISTING CMB MOLDS WILL BE ADAPTED TO PRODUCE THESE CPB UNITS.

NOT TO SCALE

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CPB-E 810mm Concrete Pier Barrier

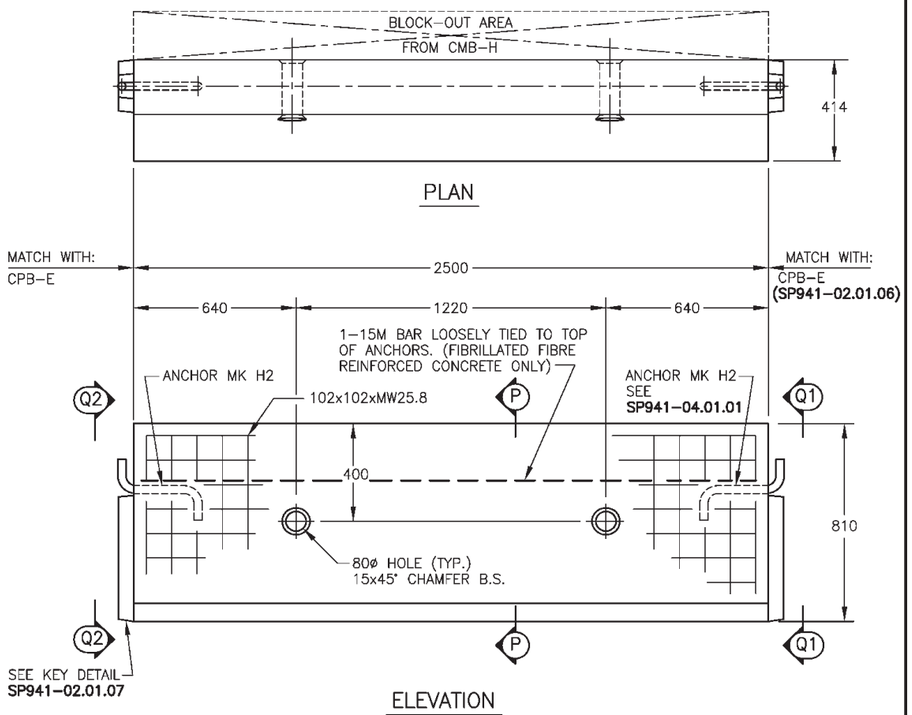
WEIGHT
3700 lbs

DRAWING NO.
SP941-02.01.06
DATE
As per drawing
SHEET
12 of 25
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE PIER BARRIER 810 mm – CPB–H	SP941–02.01.05



NOTES:

1. FOR SECTION (P) SEE **SP941–02.01.06.**
   FOR VIEW (Q1) & (Q2) SEE **SP941–02.01.07.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**
3. SEE DRAWING **SP941–02.01.06** FOR DETAILS OF EYE UNIT.
4. THESE UNITS ARE INTENDED TO BE USED AGAINST BRIDGE SUPPORT STRUCTURES AND SIMILAR WALLS.
5. IT IS INTENDED THAT EXISTING CMB MOLDS WILL BE ADAPTED TO PRODUCE THESE CPB UNITS.

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CPB-H 810mm Concrete Pier Barrier

WEIGHT
3700 lbs

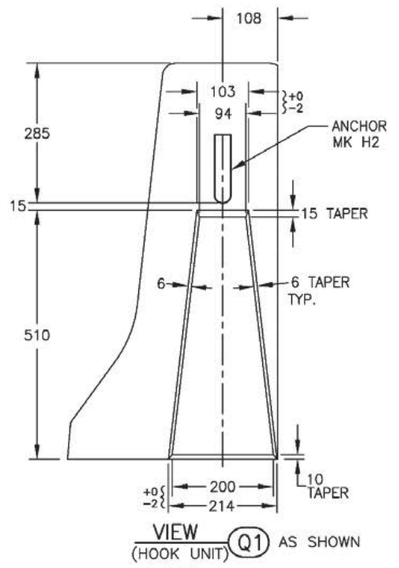
DRAWING NO.
SP941-02.01.05
DATE
As per drawing
SHEET
13 of 25
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

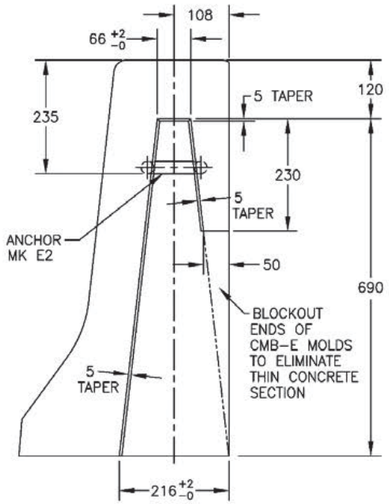
PRECAST CONCRETE PIER BARRIER 810 mm – CPB–H & CPB–E DETAILS

SP941–02.01.07



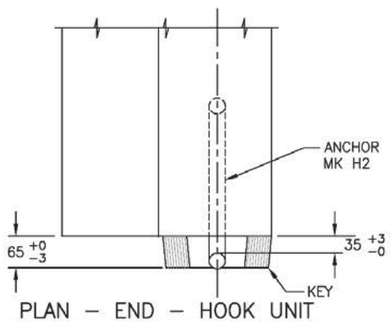
VIEW (HOOK UNIT) Q1 AS SHOWN

VIEW Q2 OPPOSITE HAND

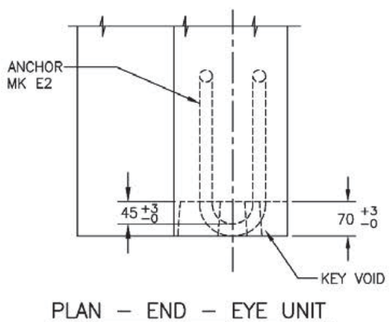


VIEW (EYE UNIT) R1 AS SHOWN

VIEW R2 OPPOSITE HAND



PLAN – END – HOOK UNIT



PLAN – END – EYE UNIT

NOTES:

1. FOR LOCATION OF VIEW (Q1) & (Q2) SEE **SP941–02.01.05.**
2. FOR LOCATION OF VIEW (R1) & (R2) SEE **SP941–02.01.06.**
3. FOR GENERAL NOTES SEE **SP941–01.02.01**
4. FOR DETAILS OF ANCHORS SEE **SP941–04.01.01.**

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

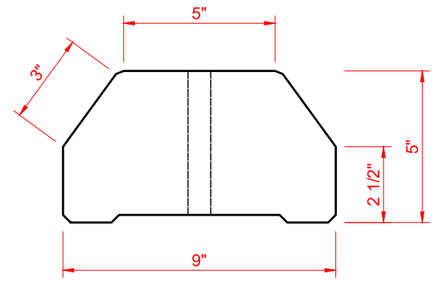
PRODUCT
Concrete Barrier
DRAWING
CPB-H & CPB-E 810mm Concrete Pier Barrier Details

WEIGHT
3700 lbs

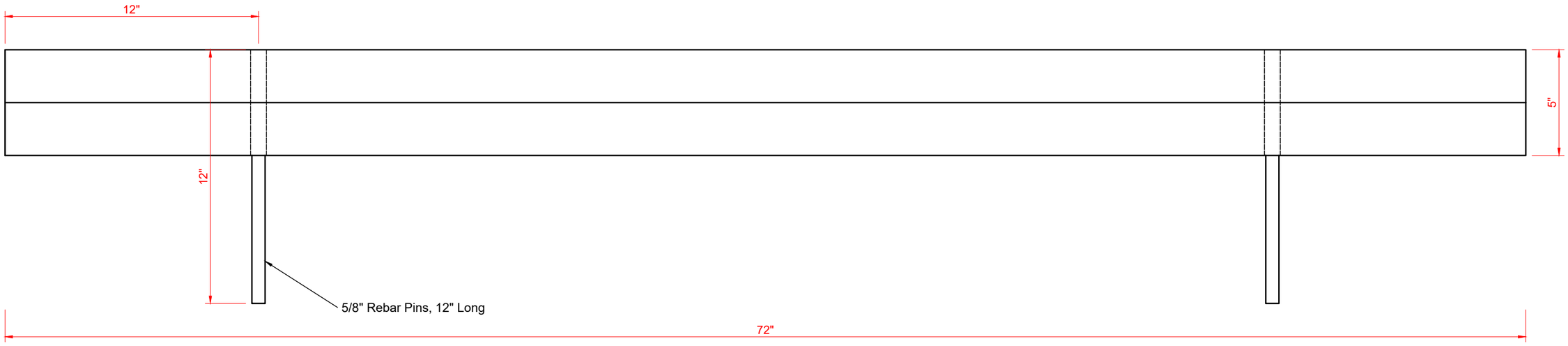
DRAWING NO.
SP941-02.01.07
DATE
As per drawing
SHEET
14 of 25
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com



End View



Side View

Notes

5/8" rebar pins, 12" long, 12" from each end.
Approximate weight: 230 lbs / 104 kg.

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier

DRAWING
6 ft Parking Curb

WEIGHT
230 lbs / 104 kg

DRAWING NO.
CRB6PC

DATE
FEB 18/2009

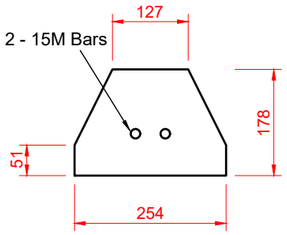
SHEET
24 of 25

UNITS / SCALE
in / 1:5

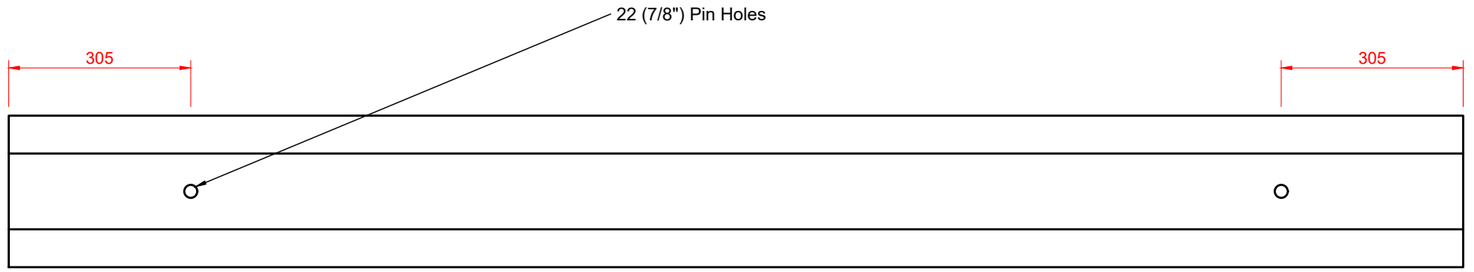
Request A Quote

Notes

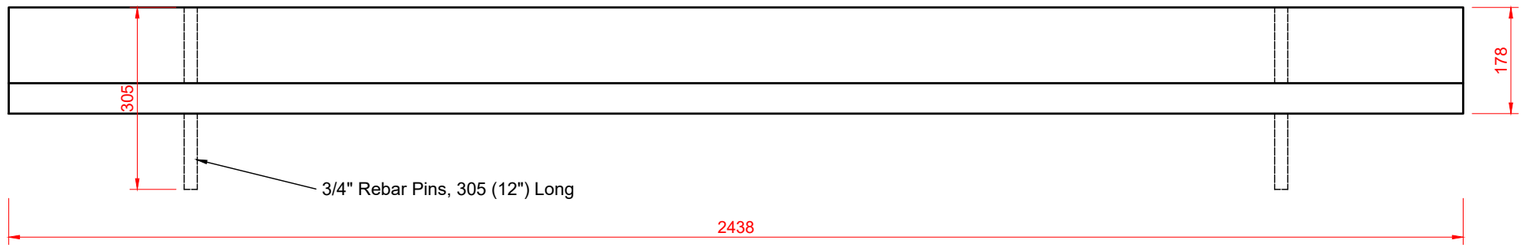
Reinforced with 2 - 15M bars.
Approximate weight: 200 kg / 440 lbs.



End View



Plan View



Side View

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier

DRAWING
8 ft Parking Curb

WEIGHT
440 lbs / 200 kg

DRAWING NO.
CRB8PC

DATE

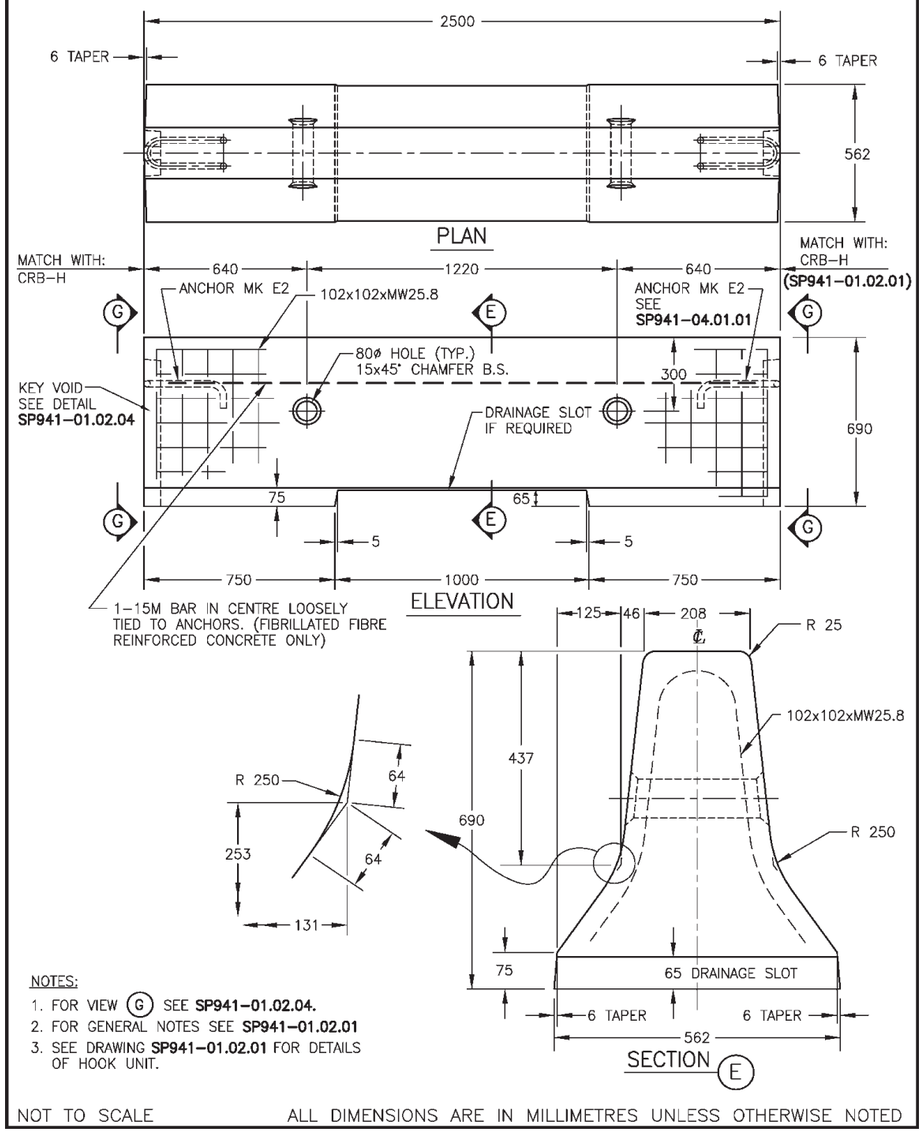
SHEET
25 of 25

UNITS / SCALE
mm / 1:10

Request A Quote

PRECAST CONCRETE ROADSIDE BARRIER 690 mm – CRB–E

SP941–01.02.02



NOTES:

1. FOR VIEW (G) SEE **SP941–01.02.04.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**
3. SEE DRAWING **SP941–01.02.01** FOR DETAILS OF HOOK UNIT.

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CRB-E 690mm Concrete Roadside Barrier

WEIGHT
2800 lbs

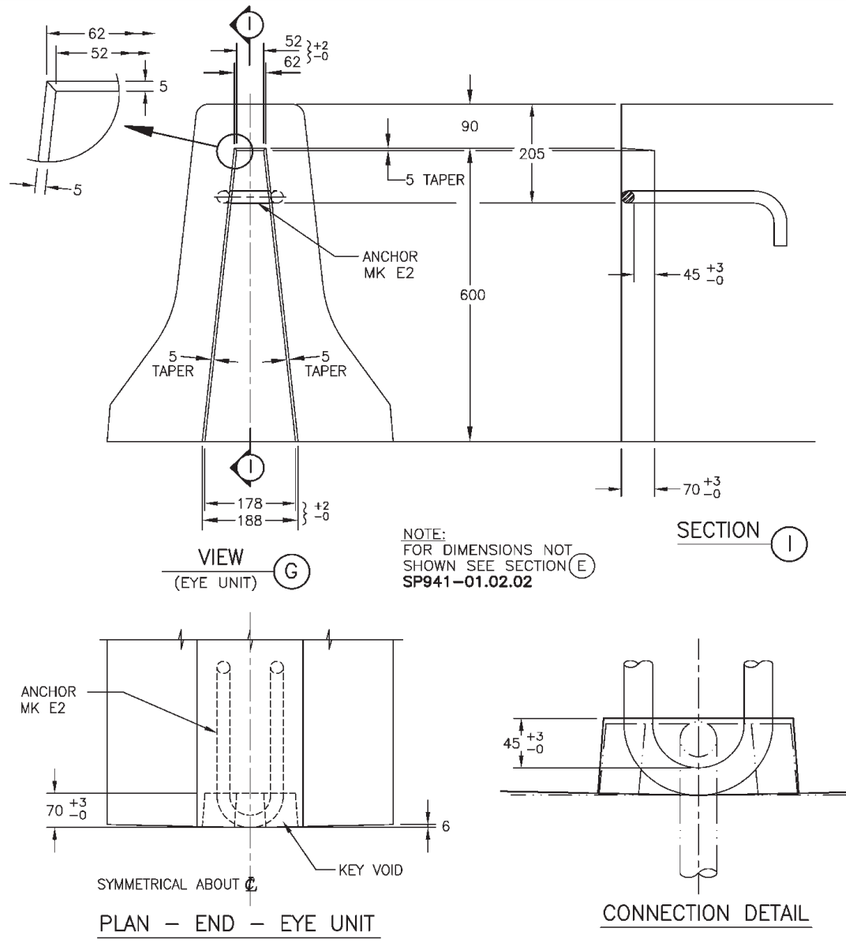
DRAWING NO.
SP941-01.02.02
DATE
As per drawing
SHEET
17 of 25
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE ROADSIDE BARRIER 690 mm – CRB–E DETAILS

SP941–01.02.04



NOTES:

1. FOR LOCATION OF VIEW (G) SEE **SP941–01.02.02, SP941–01.02.05 & SP941–03.01.01.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01.**
3. FOR DETAILS OF ANCHORS SEE **SP941–04.01.01.**
4. THE CONNECTION DIMENSIONS ON A CRB–E UNIT PERMIT INSTALLATION TO A MINIMUM HORIZONTAL CURVE RADIUS OF 51 METRES. FOR TIGHT CURVATURE INSTALLATION SEE **SP941–02.01.08 & SP941–02.01.09.**

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CRB-E 690mm Concrete Roadside Barrier Details

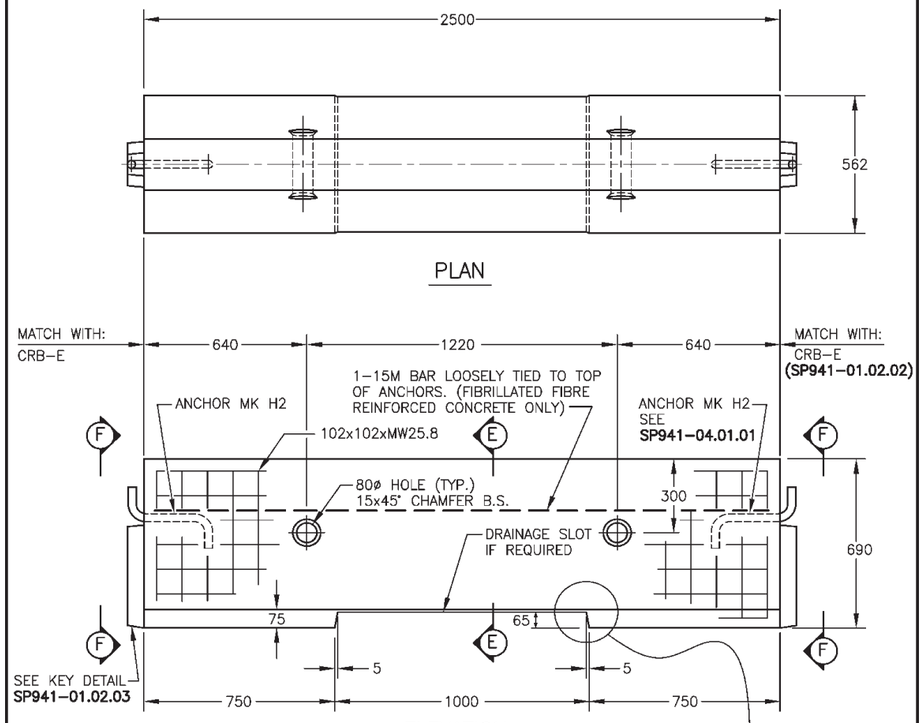
WEIGHT
2800 lbs

DRAWING NO.
SP941-01.02.04
DATE
As per drawing
SHEET
18 of 25
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE ROADSIDE BARRIER 690 mm – CRB–H	SP941–01.02.01



GENERAL NOTES:

1. FOR SECTION (E) SEE **SP941–01.02.02.** FOR VIEW (F) SEE **SP941–01.02.03.**
2. SEE DRAWING **SP941–01.02.02** FOR DETAILS OF EYE UNIT.
3. ALL REINFORCING TO HAVE 50 MINIMUM COVER EXCEPT AS NOTED.
4. ALL TOLERANCES ±3 mm EXCEPT AS NOTED.
5. CHANGES TO PICK–UP HOLE DIAMETERS MAY BE MADE WITH THE WRITTEN PERMISSION OF THE HIGHWAY SAFETY ENGINEER.
6. HOOK AND EYE ANCHORS EACH END SHALL BE SECURED IN PLACE DURING CASTING TO PREVENT DISLODGEMENT.
7. MATERIALS AND QUALITY OF WORK TO BE IN ACCORDANCE WITH SECTION **941.**
8. DRAINAGE SLOT IS REQUIRED WHEN NECESSARY TO DRAIN SURFACE WATER THROUGH THE BARRIER.
9. SHEAR KEY VOID WITH GROUTING HOLES BY REQUEST. SEE **SP941–04.02.01.**
10. FIBRILLATED FIBRE STRAND REINFORCED CONCRETE MAY BE SUBSTITUTED FOR WELDED WIRE MESH REINFORCED CONCRETE.

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CRB-H 690mm Concrete Roadside Barrier

WEIGHT
2850 lbs

DRAWING NO.
SP941-01.02.01
SHEET
19 of 25

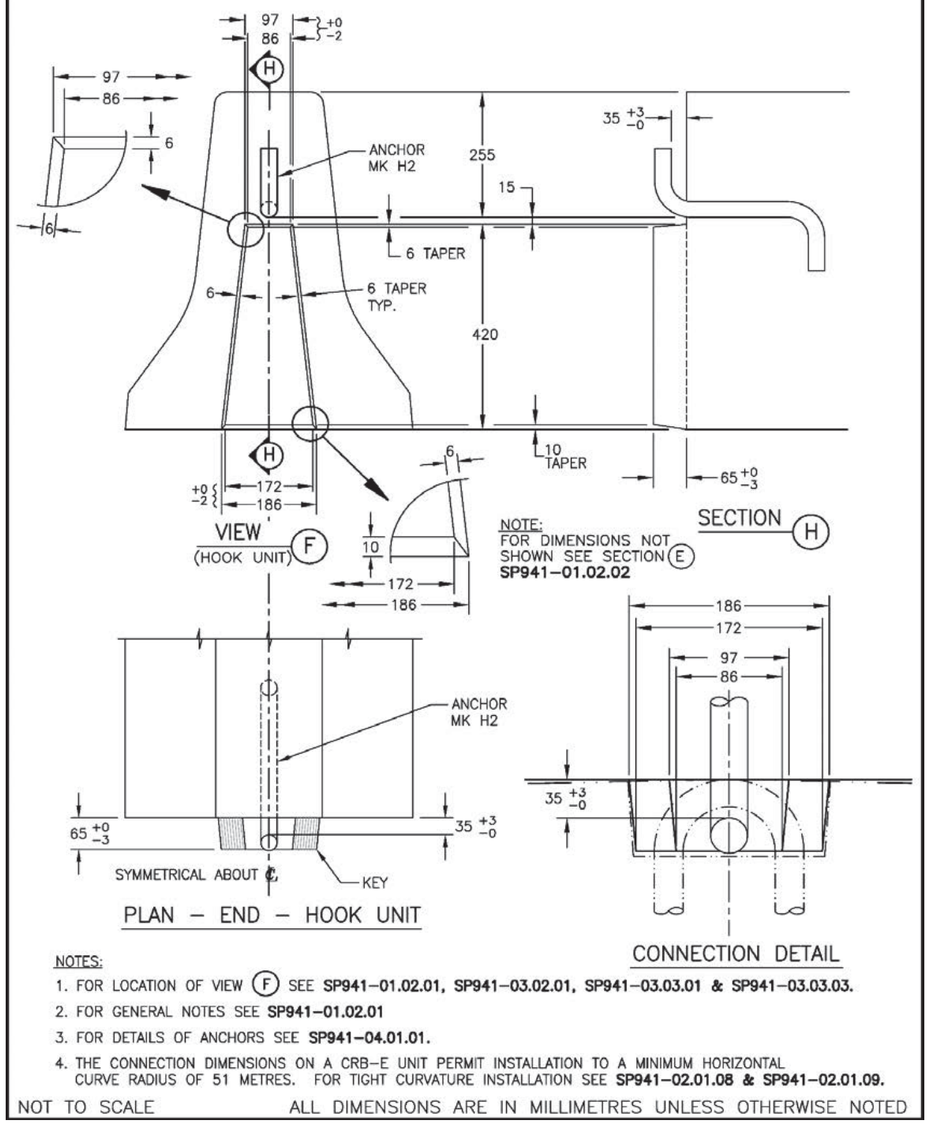
DATE
As per drawing
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE ROADSIDE BARRIER 690 mm – CRB–H DETAILS

SP941–01.02.03



NOTES:

1. FOR LOCATION OF VIEW (F) SEE **SP941–01.02.01, SP941–03.02.01, SP941–03.03.01 & SP941–03.03.03.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**
3. FOR DETAILS OF ANCHORS SEE **SP941–04.01.01.**
4. THE CONNECTION DIMENSIONS ON A CRB–E UNIT PERMIT INSTALLATION TO A MINIMUM HORIZONTAL CURVE RADIUS OF 51 METRES. FOR TIGHT CURVATURE INSTALLATION SEE **SP941–02.01.08 & SP941–02.01.09.**

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CRB-H 690mm Concrete Roadside Barrier Details

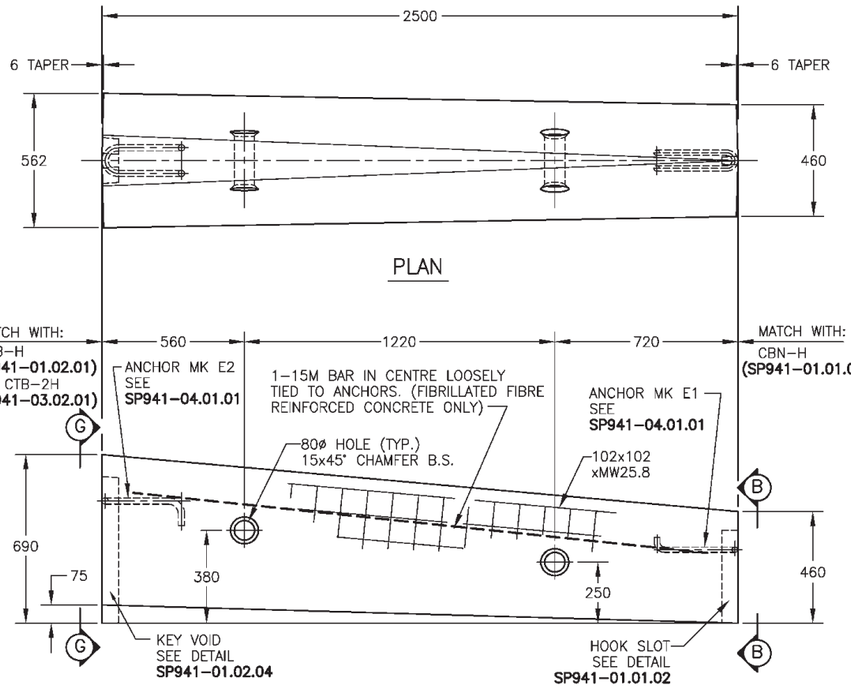
WEIGHT
2850 lbs

DRAWING NO.
SP941-01.02.03
SHEET
20 of 25
DATE
As per drawing
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE TRANSITION BARRIER 690 mm TO 460 mm – CTB–1E	SP941–03.01.01



NOTES:

1. FOR VIEW (B) SEE **SP941–01.01.02.** FOR VIEW (G) SEE **SP941–01.02.04.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01.**
3. SEE DRAWINGS **SP941–01.01.01** AND **SP941–01.01.02** FOR DETAILS OF 460 mm UNIT AND BULLNOSE.
   SEE DRAWING **SP941–01.02.01** FOR DETAILS OF 690 mm HOOK UNIT
   OR **SP941–03.02.01** FOR DETAILS OF 810 TO 690 TRANSITION UNIT.

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

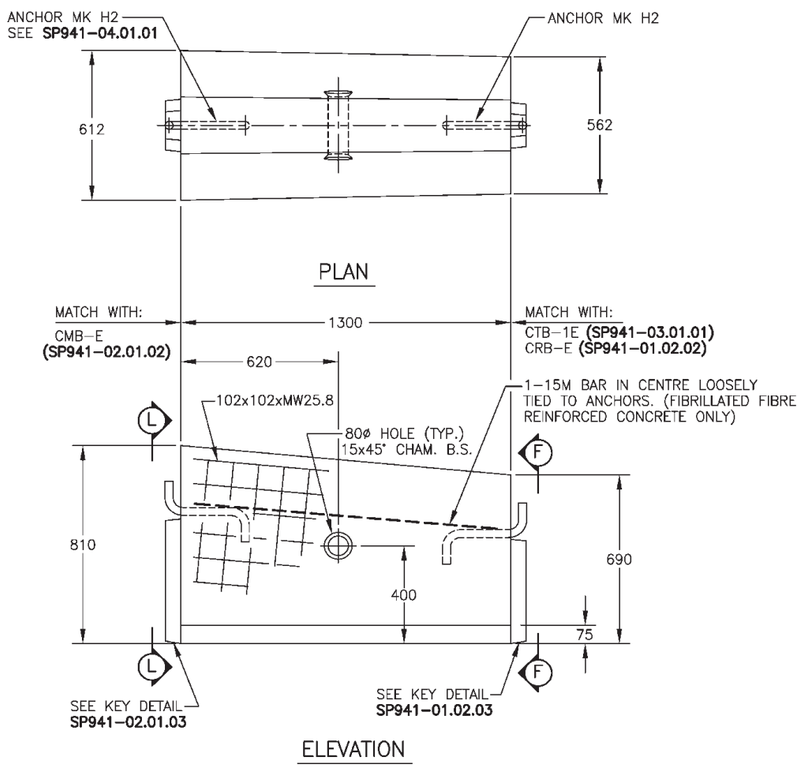
PRODUCT
Concrete Barrier
DRAWING
CTB-1E 690mm to 460mm Concrete Transition Barrier

WEIGHT
2250 lbs

DRAWING NO.
SP941-03.01.01
SHEET
21 of 25
DATE
As per drawing
UNITS / SCALE
As per drawing

Request A Quote

PRECAST CONCRETE TRANSITION BARRIER 810 mm TO 690 mm – CTB–2H	SP941–03.02.01



NOTES:

1. FOR VIEW (F) SEE **SP941–01.02.03.**
   FOR VIEW (L) SEE **SP941–02.01.03.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01.**
3. SEE DRAWING **SP941–02.01.02** FOR DETAILS OF 810 mm EYE UNIT.
   SEE DRAWING **SP941–01.02.02** FOR DETAILS OF 690 mm EYE UNIT
   OR **SP941–03.01.01** FOR DETAILS OF 690 TO 460 TRANSITION UNIT.

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CTB-2H 810mm to 690mm Concrete Transition Barrier

WEIGHT
2200 lbs

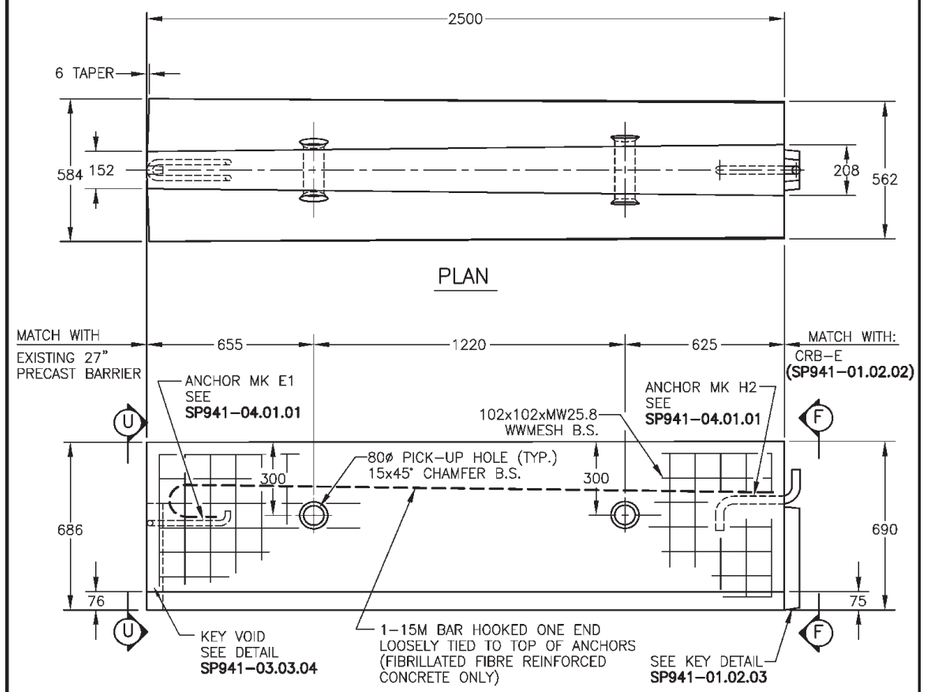
DRAWING NO.
SP941-03.02.01
SHEET
22 of 25

DATE
As per drawing
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE TRANSITION BARRIER 686 mm TO 690 mm – CTB–3E+H	SP941–03.03.03



NOTES:

1. FOR VIEW (F) SEE **SP941–01.02.03.**. FOR VIEW (U) SEE **SP941–03.03.04**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**
3. SEE DRAWING **SP941–01.02.01** FOR DETAILS OF 690 mm HOOK UNIT.
4. THIS UNIT TO BE USED WITH EXISTING 27" BARRIER. 27" BARRIERS ARE NO LONGER USED IN NEW INSTALLATIONS

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CTB-3E+H 686mm to 690mm Concrete Transition Barrier

WEIGHT
2400 lbs

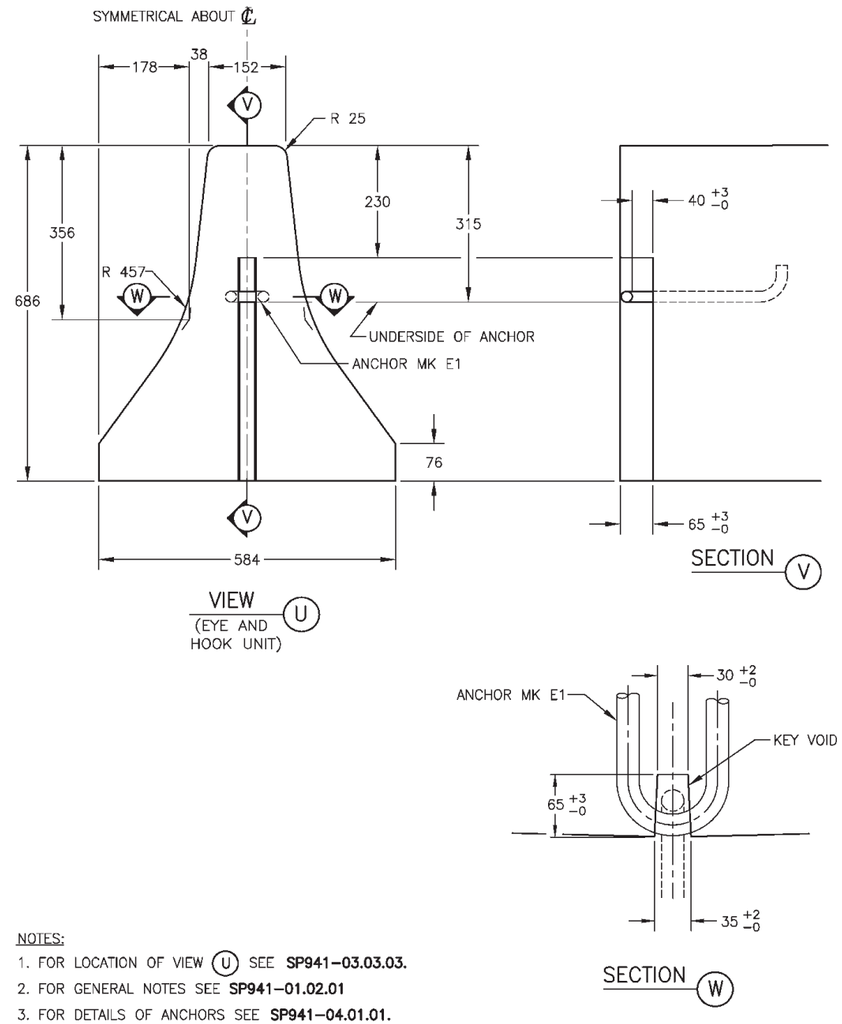
DRAWING NO.
SP941-03.03.03
DATE
As per drawing
SHEET
23 of 25
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE TRANSITION BARRIER 686 mm TO 690 mm – CTB–3E+H DETAILS

SP941–03.03.04



NOTES:

1. FOR LOCATION OF VIEW (U) SEE **SP941–03.03.03.**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**
3. FOR DETAILS OF ANCHORS SEE **SP941–04.01.01.**

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

TRI KON Precast Concrete Products

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CTB-3E+H 686mm to 690mm Concrete Transition Barrier Details

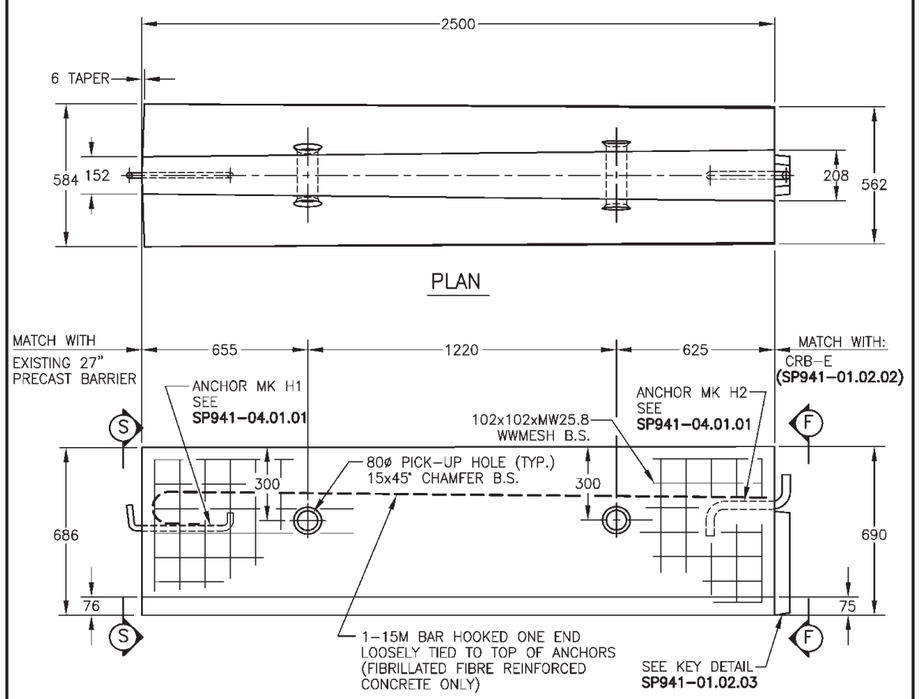
WEIGHT
2400 lbs

DRAWING NO.
SP941-03.03.04
SHEET
24 of 25
DATE
As per drawing
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com

PRECAST CONCRETE TRANSITION BARRIER 686 mm TO 690 mm – CTB–3H	SP941–03.03.01



NOTES:

1. FOR VIEW (F) SEE **SP941–01.02.03.** FOR VIEW (S) SEE **SP941–03.03.02**
2. FOR GENERAL NOTES SEE **SP941–01.02.01**
3. SEE DRAWING **SP941–01.02.02** FOR DETAILS OF 690 mm EYE UNIT.
4. THIS UNIT TO BE USED WITH EXISTING 27" BARRIER. 27" BARRIERS ARE NO LONGER USED IN NEW INSTALLATIONS

NOT TO SCALE ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
CTB-3H 686mm to 690mm Concrete Transition Barrier

WEIGHT
2400 lbs

DRAWING NO.
SP941-03.03.01
SHEET
25 of 25
DATE
As per drawing
UNITS / SCALE
As per drawing

Request A Quote

Dimensions and specifications as per drawing. Confirm handling weights before lifting.
trikonprecast.com