

Prepared for (Company name) :

Project Name :

Project Number :

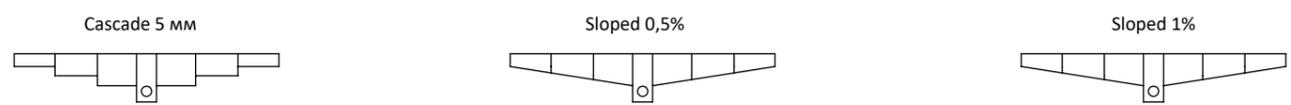
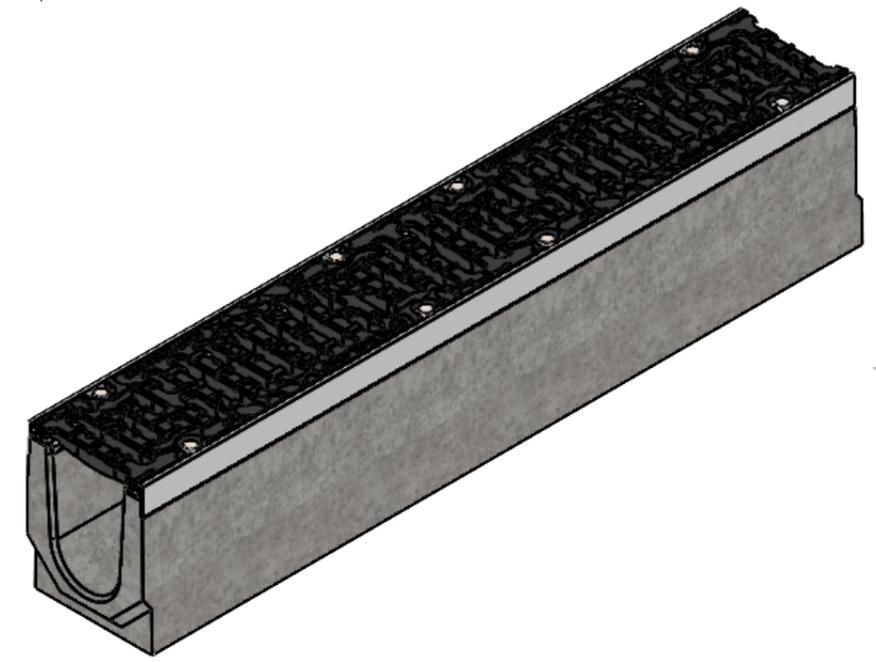
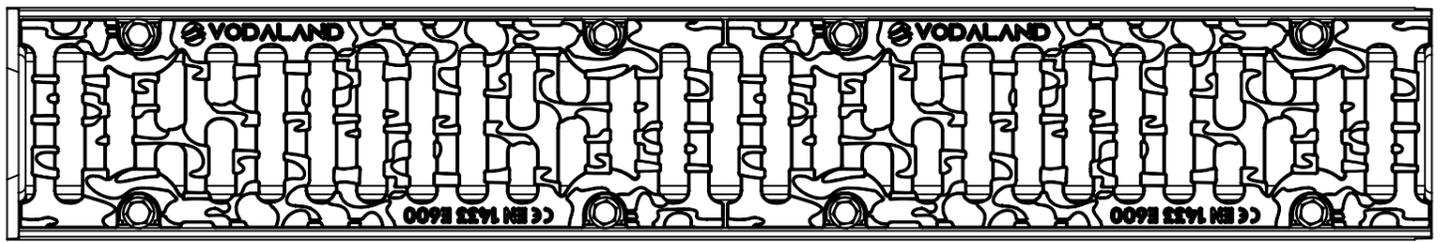
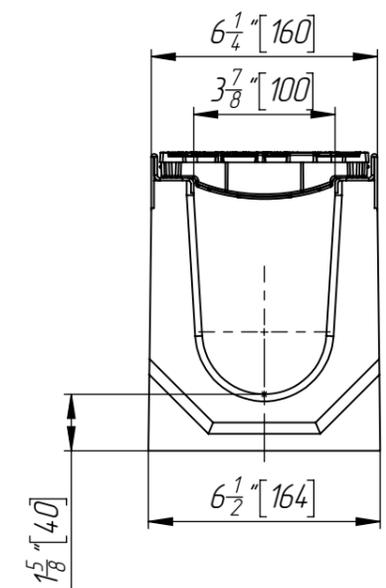
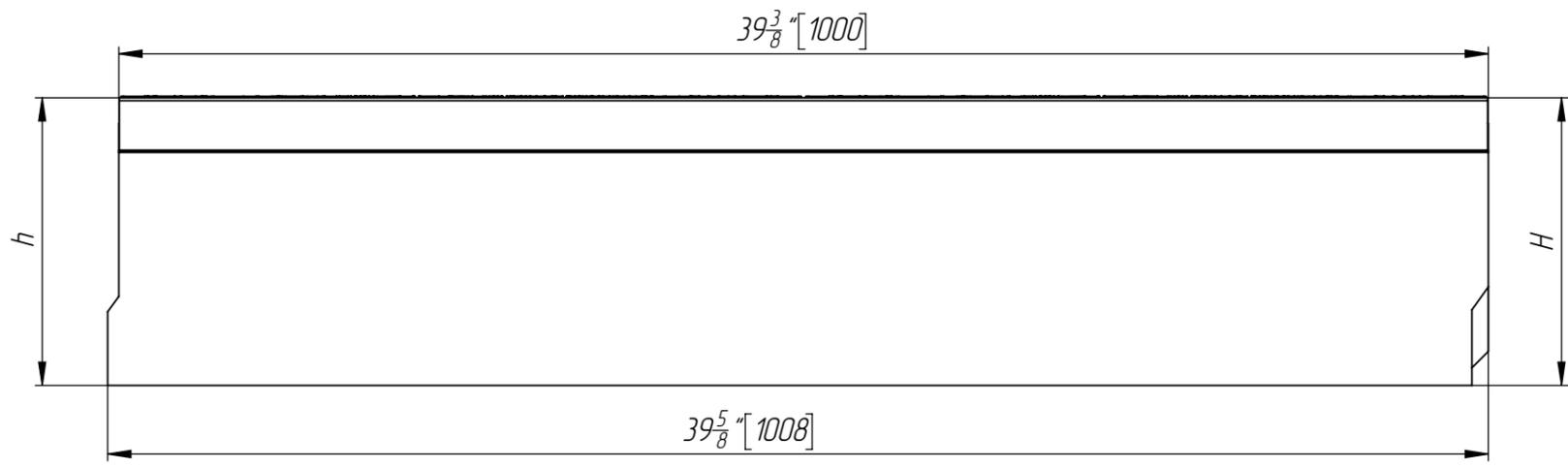
Date :

Prepared by :

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Article	H/h, inch	Weight, lb	H/h, mm	Weight kg
04007155/230	9,1	125,5	230	57,1
04007155/225	8,9	124,0	225	56,4
04007155/220	8,7	122,6	220	55,7
04007155/215	8,5	121,1	215	55,0
04007155/210	8,3	119,6	210	54,3
04007155/205	8,1	118,1	205	53,7
04007155/200	7,9	116,6	200	53,0
04007155/195	7,7	115,1	195	52,3
04007155/190	7,5	113,6	190	51,6
04007155/185	7,3	112,1	185	50,9
04007155/180	7,1	110,6	180	50,3
04007155/175	6,9	109,1	175	49,6
04007155/170	6,7	107,6	170	48,9
04007155/165	6,5	106,1	165	48,2
04007155/160	6,3	104,6	160	47,5
04007155/155	6,1	103,1	155	46,9
04007155/150	5,9	101,6	150	46,2
04007155/145	5,7	100,1	145	45,5
04007155/140	5,5	98,6	140	44,8
04007155/135	5,3	97,1	135	44,1
04007155/130	5,1	95,6	130	43,5
04007155/125	4,9	94,1	125	42,8
04007155/120	4,7	92,6	120	42,1

Article	H/h, inch	Weight, lb	H/h, mm	Weight kg
04007155/230-225	9,1/8,9	123,7	230/225	56,2
04007155/225-220	8,9/8,7	122,3	225/220	55,6
04007155/220-215	8,7/8,5	120,8	220/215	54,9
04007155/215-210	8,5/8,3	119,3	215/210	54,2
04007155/210-205	8,3/8,1	117,8	210/205	53,5
04007155/205-200	8,1/7,9	116,3	205/200	52,8
04007155/200-195	7,9/7,7	114,8	200/195	52,2
04007155/195-190	7,7/7,5	113,3	195/190	51,5
04007155/190-185	7,5/7,3	111,8	190/185	50,8
04007155/185-180	7,3/7,1	110,3	185/180	50,1
04007155/180-175	7,1/6,9	108,8	180/175	49,4
04007155/175-170	6,9/6,7	107,3	175/170	48,8
04007155/170-165	6,7/6,5	105,8	170/165	48,1
04007155/165-160	6,5/6,3	104,3	165/160	47,4
04007155/160-155	6,3/6,1	102,8	160/155	46,7
04007155/155-150	6,1/5,9	101,3	155/150	46,0
04007155/150-145	5,9/5,7	99,8	150/145	45,4
04007155/145-140	5,7/5,5	98,3	145/140	44,7
04007155/140-135	5,5/5,3	96,8	140/135	44,0
04007155/135-130	5,3/5,1	95,3	135/130	43,3
04007155/130-125	5,1/4,9	93,8	130/125	42,6
04007155/125-120	4,9/4,7	92,3	125/120	42,0

Article	H/h, inch	Weight, lb	H/h, mm	Weight kg
04007155/230-220	9,1/8,7	123,2	230/220	56,0
04007155/220-210	8,7/8,3	120,1	220/210	54,6
04007155/210-200	8,3/7,9	117,0	210/200	53,2
04007155/200-190	7,9/7,5	114,2	200/190	51,9
04007155/190-180	7,5/7,1	111,1	190/180	50,5
04007155/180-170	7,1/6,7	108,2	180/170	49,2
04007155/170-160	6,7/6,3	105,2	170/160	47,8
04007155/160-150	6,3/5,9	102,1	160/150	46,4
04007155/150-140	5,9/5,5	99,2	150/140	45,1
04007155/140-130	5,5/5,1	96,1	140/130	43,7
04007155/130-120	5,1/4,7	93,3	130/120	42,4

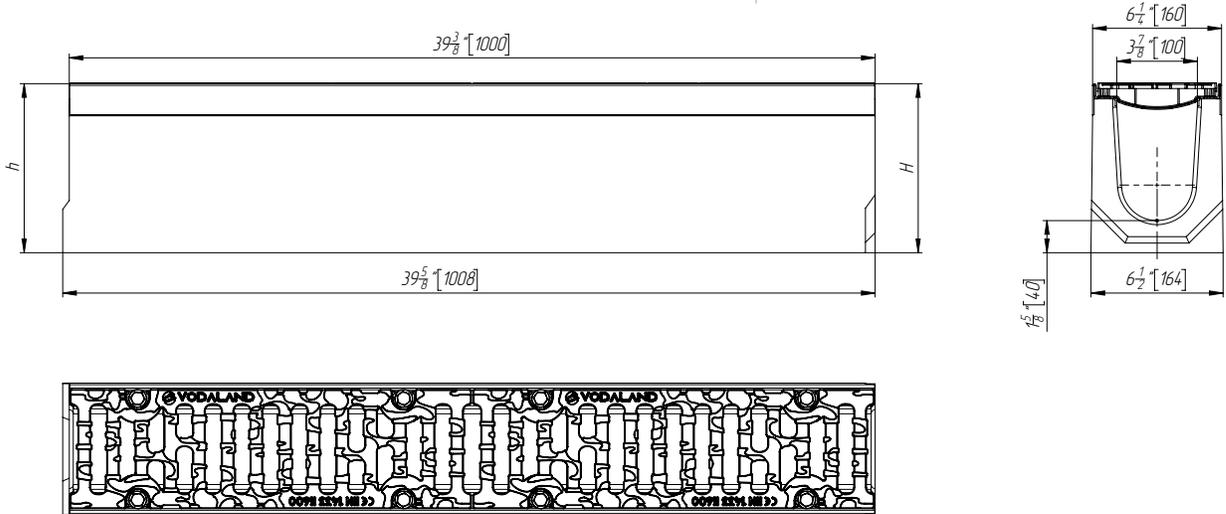
1. Dimensions for reference, inch [mm]
2. Delivery and packaging are carried out in accordance with the terms of the contract
3. The manufacturer reserves the right, without notice to the consumer, to make changes to the design of the products for improvement of their technological and operational parameters, which will not affect the quality and properties of the product
4. Deviation of the actual weight of the nominal can be up to 10%.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: ISO 2768 - C LINEAR: ANGULAR:		FINISH:	DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
DRAWN: Olender		SIGNATURE:	DATE: 26.06.23	 TITLE: 4" [DN100] Concrete Drain Channel Pro H4.7"-9.1" [H120-230] with Cast Iron Grate E600	
CHK'D: Kyselystia	MATERIAL: Concrete, Cast Iron		ARTICLE:		
APPV'D: Malynovskiy	WEIGHT: lb / kg		A3		
MFG:	SCALE: 1:5		SHEET 1 OF 1		
Q.A:					

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PRO 100FC SYSTEM - LOAD CLASS E600

4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN



General: The trench drain shall be Vodaland Canada PRO 100FC complete with grates as manufactured by Vodaland or approved equal.

Specification: Channels shall be 39.4" (1000mm) long and the nominal clear opening shall be 4" (100mm) with 6.3" (160mm) overall width and built-in slope of 0.5% or 1% per specifier's requirements. Channels shall have male-to-female interlocking joints. Gratings shall be ductile cast iron fastened to steel edge rails and meet system load class specified. Channels and grates shall withstand a required EN1433 load class.

Materials: PRO 100FC trench drain shall be manufactured from fiber reinforced concrete with cast-in galvanized steel edge rails.

Compressive strength:	> 45 Mpa
Flexural strength:	> 20 Mpa
Frost resistant:	Yes
Non Flammable:	Yes
UV Resistant:	Yes
Recyclable 100%:	Yes
Dilute acid and alkali resistant:	Yes
Material free of VOC, biocides, heavy metals:	Yes
Water absorption is sufficient for adhesion with concrete surfaces:	Yes

Notes:

1. See flow rate chart for channel flow rates.

PRO 100FC SYSTEM - LOAD CLASS E600
4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN
Neutral slope

Name	Item #	H, in	H, mm	W, lb
PRO 100FC trench drain H4.7"	04007155/120	4.7	120	92.6
PRO 100FC trench drain H4.9"	04007155/125	4.9	125	94.1
PRO 100FC trench drain H5.1"	04007155/130	5.1	130	95.6
PRO 100FC trench drain H5.3"	04007155/135	5.3	135	97.1
PRO 100FC trench drain H5.5"	04007155/140	5.5	140	98.6
PRO 100FC trench drain H5.7"	04007155/145	5.7	145	100.1
PRO 100FC trench drain H5.9"	04007155/150	5.9	150	101.6
PRO 100FC trench drain H6.1"	04007155/155	6.1	155	103.1
PRO 100FC trench drain H6.3"	04007155/160	6.3	160	104.6
PRO 100FC trench drain H6.5"	04007155/165	6.5	165	106.1
PRO 100FC trench drain H6.7"	04007155/170	6.7	170	107.6
PRO 100FC trench drain H6.9"	04007155/175	6.9	175	109.1
PRO 100FC trench drain H7.1"	04007155/180	7.1	180	110.6
PRO 100FC trench drain H7.3"	04007155/185	7.3	185	112.1
PRO 100FC trench drain H7.5"	04007155/190	7.5	190	113.6
PRO 100FC trench drain H7.7"	04007155/195	7.7	195	115.1
PRO 100FC trench drain H7.9"	04007155/200	7.9	200	116.6
PRO 100FC trench drain H8.1"	04007155/205	8.1	205	118.1
PRO 100FC trench drain H8.3"	04007155/210	8.3	210	119.6
PRO 100FC trench drain H8.5"	04007155/215	8.5	215	121.1
PRO 100FC trench drain H8.7"	04007155/220	8.7	220	122.6
PRO 100FC trench drain H8.9"	04007155/225	8.9	225	124.0
PRO 100FC trench drain H9.1"	04007155/230	9.1	230	125.5

Notes:

1. Each channel can have a bottom outlet Ø110mm

PRO 100FC SYSTEM - LOAD CLASS E600
4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN
0.5% slope

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
PRO 100FC trench drain H4.9"-4.7"	04007155/125-120	4.9	125	4.7	120	92.3
PRO 100FC trench drain H5.1"-4.9"	04007155/130-125	5.1	130	4.9	125	93.8
PRO 100FC trench drain H5.3"-5.1"	04007155/135-130	5.3	135	5.1	130	95.3
PRO 100FC trench drain H5.5"-5.3"	04007155/140-135	5.5	140	5.3	135	96.8
PRO 100FC trench drain H5.7"-5.5"	04007155/145-140	5.7	145	5.5	140	98.3
PRO 100FC trench drain H5.9"-5.7"	04007155/150-145	5.9	150	5.7	145	99.8
PRO 100FC trench drain H6.1"-5.9"	04007155/155-150	6.1	155	5.9	150	101.3
PRO 100FC trench drain H6.3"-6.1"	04007155/160-155	6.3	160	6.1	155	102.8
PRO 100FC trench drain H6.5"-6.3"	04007155/165-160	6.5	165	6.3	160	104.3
PRO 100FC trench drain H6.7"-6.5"	04007155/170-165	6.7	170	6.5	165	105.8
PRO 100FC trench drain H6.9"-6.7"	04007155/175-170	6.9	175	6.7	170	107.3
PRO 100FC trench drain H7.1"-6.9"	04007155/180-175	7.1	180	6.9	175	108.8
PRO 100FC trench drain H7.3"-7.1"	04007155/185-180	7.3	185	7.1	180	110.3
PRO 100FC trench drain H7.5"-7.3"	04007155/190-185	7.5	190	7.3	185	111.8
PRO 100FC trench drain H7.7"-7.5"	04007155/195-190	7.7	195	7.5	190	113.3
PRO 100FC trench drain H7.9"-7.7"	04007155/200-195	7.9	200	7.7	195	114.8
PRO 100FC trench drain H8.1"-7.9"	04007155/205-200	8.1	205	7.9	200	116.3
PRO 100FC trench drain H8.3"-8.1"	04007155/210-205	8.3	210	8.1	205	117.8
PRO 100FC trench drain H8.5"-8.3"	04007155/215-210	8.5	215	8.3	210	119.3
PRO 100FC trench drain H8.7"-8.5"	04007155/220-215	8.7	220	8.5	215	120.8
PRO 100FC trench drain H8.9"-8.7"	04007155/225-220	8.9	225	8.7	220	122.3
PRO 100FC trench drain H9.1"-8.9"	04007155/230-225	9.1	230	8.9	225	123.7

Notes:

1. Each channel can have a bottom outlet Ø110mm

PRO 100FC SYSTEM - LOAD CLASS E600
4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN
1% slope

Name	Article	H, in	H, mm	h, in	h, mm	W, lb
PRO 100FC trench drain H5.1"-4.7"	04007155/130-120	5.1	130	4.7	120	93.3
PRO 100FC trench drain H5.5"-5.1"	04007155/140-130	5.5	140	5.1	130	96.1
PRO 100FC trench drain H5.9"-5.5"	04007155/150-140	5.9	150	5.5	140	99.2
PRO 100FC trench drain H6.3"-5.9"	04007155/160-150	6.3	160	5.9	150	102.1
PRO 100FC trench drain H6.7"-6.3"	04007155/170-160	6.7	170	6.3	160	105.2
PRO 100FC trench drain H7.1"-6.7"	04007155/180-170	7.1	180	6.7	170	108.2
PRO 100FC trench drain H7.5"-7.1"	04007155/190-180	7.5	190	7.1	180	111.1
PRO 100FC trench drain H7.9"-7.5"	04007155/200-190	7.9	200	7.5	190	114.2
PRO 100FC trench drain H8.3"-7.9"	04007155/210-200	8.3	210	7.9	200	117.0
PRO 100FC trench drain H8.7"-8.3"	04007155/220-210	8.7	220	8.3	210	120.1
PRO 100FC trench drain H9.1"-8.7"	04007155/230-220	9.1	230	8.7	220	123.2

Notes:

1. Each channel can have a bottom outlet Ø110mm

PRO 100FC SYSTEM - LOAD CLASS E600**4" (100mm) PRO FIBER CONCRETE TRENCH DRAIN****Flow rate chart, 1% slope**

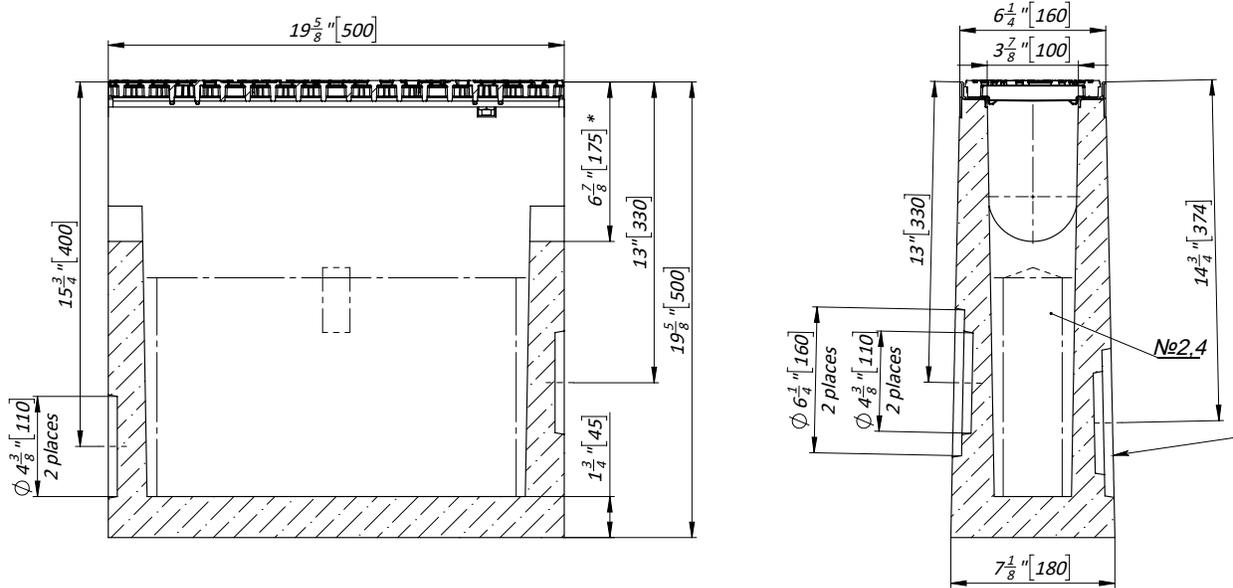
Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
040071334/160	58.96	98	3.72	6.19
040071334/210	104.77	166	6.61	10.45

Flow rate chart, 0.5% slope

Channel item #	GPM		L/s	
	70% water fill	100% water fill	70% water fill	100% water fill
040071334/160	41.69	69.42	2.63	4.38
040071334/210	74.02	117.13	4.67	7.39

PRO 100FC SYSTEM - LOAD CLASS E600

4" (100mm) PRO FIBER CONCRETE INLINE CATCH BASIN



General: The Inline catch basin shall be Vodaland Canada PRO 100FC complete with grates as manufactured by Vodaland or approved equal.

Specification: Catch Basin shall be 19.7" (500mm) long and the nominal clear opening shall be 4" (100mm) with 7.4" (187mm) overall width. Gratings shall be ductile cast iron fastened to steel edge rails and meet system load class specified. Channels and grates shall withstand a required EN1433 load class.

Materials: PRO 100FC Catch basin shall be manufactured from fiber reinforced concrete with cast-in galvanized steel edge rails.

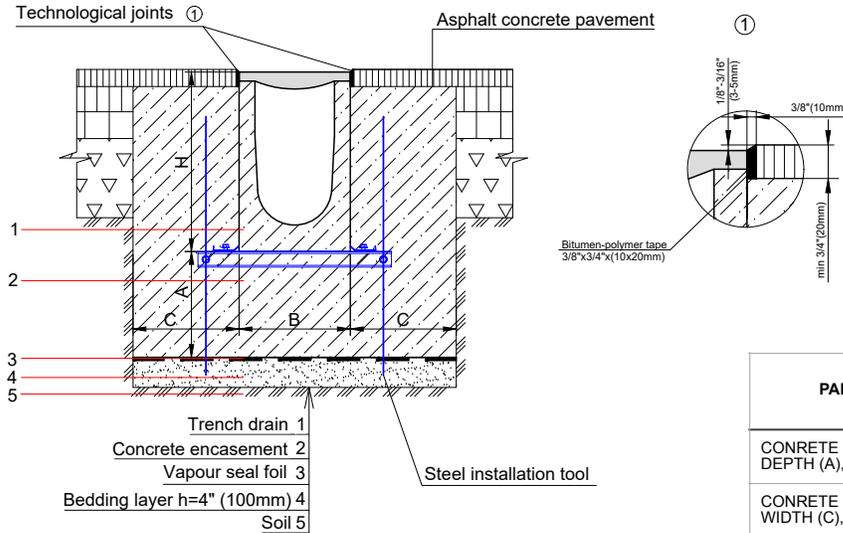
Compressive strength:	> 45 Mpa
Flexural strength:	> 20 Mpa
Frost resistant:	Yes
Non Flammable:	Yes
UV Resistant:	Yes
Recyclable 100%:	Yes
Dilute acid and alkali resistant:	Yes
Material free of VOC, biocides, heavy metals:	Yes
Water absorption is sufficient for adhesion with concrete surfaces:	Yes

Description

Name	Article	H, in	H, mm	W, lb
PRO 100FC inline catch basin w/ basket	04087155-K	19.69	500	126.7

PRO 100FC SYSTEM - LOAD CLASS D400-E600
ENCLOSED ASPHALT PAVEMENT INSTALLATION

4" (100mm) PRO FIBER REINFORCED CONCRETE TRENCH DRAIN



PARAMETER	LOAD CLASS	
	CLASS D	CLASS E
CONCRETE ENCASEMENT DEPTH (A), in	8" (200mm)	10" (250mm)
CONCRETE ENCASEMENT WIDTH (C), in	8" (200mm)	8" (200mm)

NOTES:

- SPECIFIER IS RESPONSIBLE FOR CONCRETE ENCASEMENT AND REINFORCING BASED UPON APPLICATION AND LOCAL CODES.
- EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.
- THIS INSTALLATION SCHEME IS A RECOMMENDATION. CONSULT WITH THE MANUFACTURER FOR INSTALLATION INSTRUCTIONS.
- THE FINISHED LEVEL OF CONCRETE SURROUND SHOULD BE 1/8" - 3/16" (3-5mm) ABOVE THE TOP OF THE CHANNEL EDGE.

GENERAL: THE TRENCH DRAIN SHALL BE VODALAND CANADA PRO 100FC AS MANUFACTURED BY VODALAND OR APPROVED EQUAL.

SPECIFICATION: CHANNELS SHALL BE 39.4" (1000mm) LONG AND THE NOMINAL CLEAR OPENING SHALL BE 4" (100mm) WITH 6.3" (160mm) OVERALL WIDTH AND BUILT-IN SLOPE OF 0.5% OR 1% PER SPECIFIER'S REQUIREMENTS. CHANNELS SHALL HAVE MALE-TO-FEMALE INTERLOCKING JOINTS. GRATINGS SHALL BE DUCTILE CAST IRON FASTENED TO STEEL EDGE RAILS AND MEET THE SYSTEM LOAD CLASS SPECIFIED. CHANNELS AND GRATE SHALL WITHSTAND A REQUIRED EN1433 LOAD CLASS.

MATERIALS: PRO 100FC TRENCH DRAIN SHALL BE MANUFACTURED FROM FIBER CONCRETE WITH THE FOLLOWING PROPERTIES:

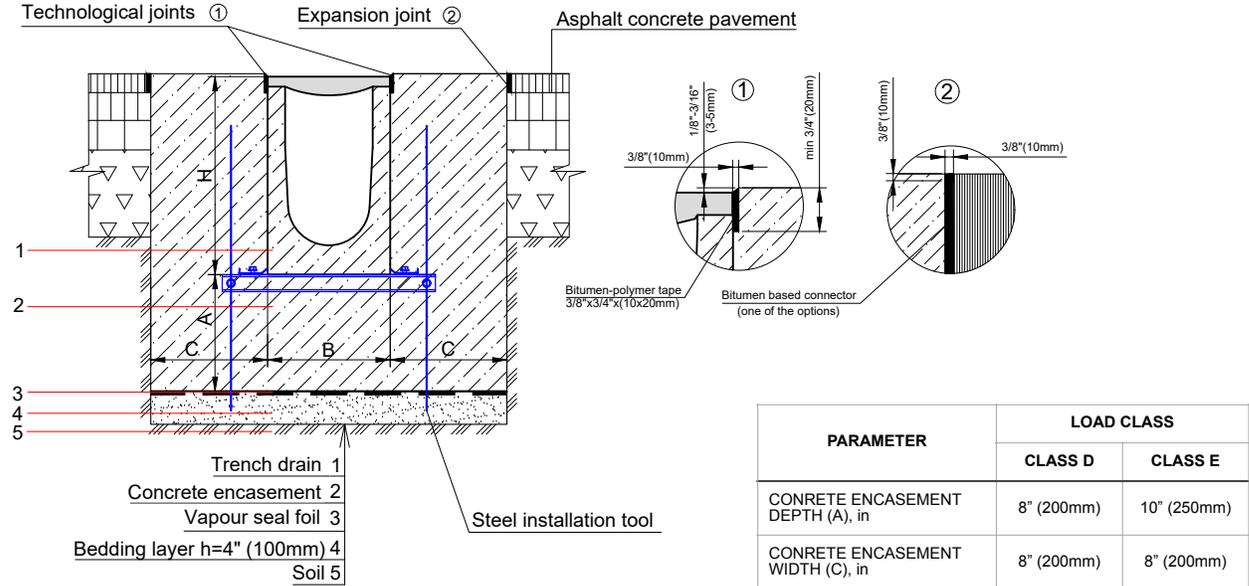
COMPRESSIVE STRENGTH	> 45 MPA
FLEXURAL STRENGTH	> 20 MPA
FROST RESISTANT	YES
NON FLAMMABLE	YES
UV RESISTANT	YES
RECYCLABLE 100%	YES
DILUTE ACID AND ALKALI RESISTANT:	YES
MATERIAL FREE OF VOC, BIOCIDES, HEAVY METALS	YES
WATER ABSORPTION IS SUFFICIENT FOR ADHESION WITH CONCRETE SURFACES	YES

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY VODALAND CANADA INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY VODALAND CANADA INC.

REVISED: 2023

Vodaland Canada Inc.

1-5900 Ambler Dr, Mississauga, ON L4W 2N3 • Phone: 905-238-1771 • Email: info@vodaland.ca

PRO 100FC SYSTEM - LOAD CLASS D400-E600
EXPOSED ASPHALT PAVEMENT INSTALLATION
4" (100mm) PRO FIBER REINFORCED CONCRETE TRENCH DRAIN

NOTES:

- SPECIFIER IS RESPONSIBLE FOR CONCRETE ENCASEMENT AND REINFORCING BASED UPON APPLICATION AND LOCAL CODES.
- EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.
- THIS INSTALLATION SCHEME IS A RECOMMENDATION. CONSULT WITH THE MANUFACTURER FOR INSTALLATION INSTRUCTIONS.
- THE FINISHED LEVEL OF CONCRETE SURROUND SHOULD BE 1/8" - 3/16" (3-5mm) ABOVE THE TOP OF THE CHANNEL EDGE.

GENERAL: THE TRENCH DRAIN SHALL BE VODALAND CANADA PRO 100FC AS MANUFACTURED BY VODALAND OR APPROVED EQUAL.

SPECIFICATION: CHANNELS SHALL BE 39.4" (1000mm) LONG AND THE NOMINAL CLEAR OPENING SHALL BE 4" (100mm) WITH 6.3" (160mm) OVERALL WIDTH AND BUILT-IN SLOPE OF 0.5% OR 1% PER SPECIFIER'S REQUIREMENTS. CHANNELS SHALL HAVE MALE-TO-FEMALE INTERLOCKING JOINTS. GRATINGS SHALL BE DUCTILE CAST IRON FASTENED TO STEEL EDGE RAILS AND MEET THE SYSTEM LOAD CLASS SPECIFIED. CHANNELS AND GRATE SHALL WITHSTAND A REQUIRED EN1433 LOAD CLASS.

MATERIALS: PRO 100FC TRENCH DRAIN SHALL BE MANUFACTURED FROM FIBER CONCRETE WITH THE FOLLOWING PROPERTIES:

COMPRESSIVE STRENGTH	> 45 MPA
FLEXURAL STRENGTH	> 20 MPA
FROST RESISTANT	YES
NON FLAMMABLE	YES
UV RESISTANT	YES
RECYCLABLE 100%	YES
DILUTE ACID AND ALKALI RESISTANT:	YES
MATERIAL FREE OF VOC, BIOCIDES, HEAVY METALS	YES
WATER ABSORPTION IS SUFFICIENT FOR ADHESION WITH CONCRETE SURFACES	YES

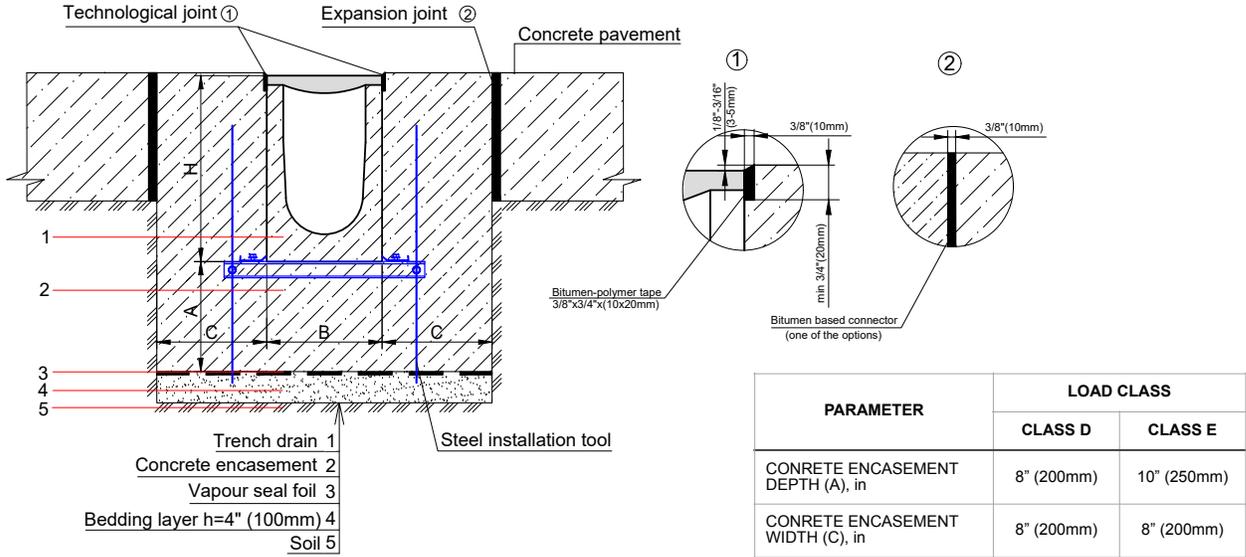
THE COMPLETE DRAINAGE SYSTEM SHALL BE BY VODALAND CANADA INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY VODALAND CANADA INC.

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PRO 100FC SYSTEM - LOAD CLASS D400-E600
EXPOSED CONCRETE PAVEMENT INSTALLATION

4" (100mm) PRO FIBER REINFORCED CONCRETE TRENCH DRAIN



NOTES:

- SPECIFIER IS RESPONSIBLE FOR CONCRETE ENCASEMENT AND REINFORCING BASED UPON APPLICATION AND LOCAL CODES.
- EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.
- THIS INSTALLATION SCHEME IS A RECOMMENDATION. CONSULT WITH THE MANUFACTURER FOR INSTALLATION INSTRUCTIONS.
- THE FINISHED LEVEL OF CONCRETE SURROUND SHOULD BE 1/8" - 3/16" (3-5mm) ABOVE THE TOP OF THE CHANNEL EDGE.

GENERAL: THE TRENCH DRAIN SHALL BE VODALAND CANADA PRO 100FC AS MANUFACTURED BY VODALAND OR APPROVED EQUAL.

SPECIFICATION: CHANNELS SHALL BE 39.4" (1000mm) LONG AND THE NOMINAL CLEAR OPENING SHALL BE 4" (100mm) WITH 6.3" (160mm) OVERALL WIDTH AND BUILT-IN SLOPE OF 0.5% OR 1% PER SPECIFIER'S REQUIREMENTS. CHANNELS SHALL HAVE MALE-TO-FEMALE INTERLOCKING JOINTS. GRATINGS SHALL BE DUCTILE CAST IRON FASTENED TO STEEL EDGE RAILS AND MEET THE SYSTEM LOAD CLASS SPECIFIED. CHANNELS AND GRATE SHALL WITHSTAND A REQUIRED EN1433 LOAD CLASS.

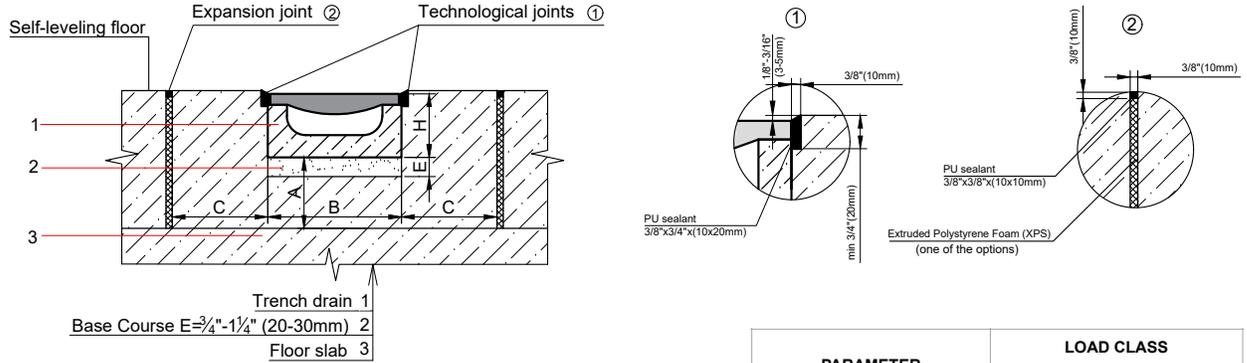
MATERIALS: PRO 100FC TRENCH DRAIN SHALL BE MANUFACTURED FROM FIBER CONCRETE WITH THE FOLLOWING PROPERTIES:

COMPRESSIVE STRENGTH	> 45 MPA
FLEXURAL STRENGTH	> 20 MPA
FROST RESISTANT	YES
NON FLAMMABLE	YES
UV RESISTANT	YES
RECYCLABLE 100%	YES
DILUTE ACID AND ALKALI RESISTANT:	YES
MATERIAL FREE OF VOC, BIOCIDES, HEAVY METALS	YES
WATER ABSORPTION IS SUFFICIENT FOR ADHESION WITH CONCRETE SURFACES	YES

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY VODALAND CANADA INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY VODALAND CANADA INC.

PRO 100FC SYSTEM - LOAD CLASS D400-E600
EXPOSED CONCRETE PAVEMENT SHALLOW INSTALLATION

4" (100mm) PRO FIBER REINFORCED CONCRETE TRENCH DRAIN



PARAMETER	LOAD CLASS	
	CLASS D	CLASS E
CONCRETE ENCASEMENT DEPTH (A), in	8" (200mm)	10" (250mm)
CONCRETE ENCASEMENT WIDTH (C), in	8" (200mm)	8" (200mm)

NOTES:

- SPECIFIER IS RESPONSIBLE FOR CONCRETE ENCASEMENT AND REINFORCING BASED UPON APPLICATION AND LOCAL CODES.
- EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.
- THIS INSTALLATION SCHEME IS A RECOMMENDATION. CONSULT WITH THE MANUFACTURER FOR INSTALLATION INSTRUCTIONS.
- THE FINISHED LEVEL OF CONCRETE SURROUND SHOULD BE 1/8" - 3/16" (3-5mm) ABOVE THE TOP OF THE CHANNEL EDGE.

GENERAL: THE TRENCH DRAIN SHALL BE VODALAND CANADA PRO 100FC AS MANUFACTURED BY VODALAND OR APPROVED EQUAL.

SPECIFICATION: CHANNELS SHALL BE 39.4" (1000mm) LONG AND THE NOMINAL CLEAR OPENING SHALL BE 4" (100mm) WITH 6.3" (160mm) OVERALL WIDTH AND BUILT-IN SLOPE OF 0.5% OR 1% PER SPECIFIER'S REQUIREMENTS. CHANNELS SHALL HAVE MALE-TO-FEMALE INTERLOCKING JOINTS. GRATINGS SHALL BE DUCTILE CAST IRON FASTENED TO STEEL EDGE RAILS AND MEET THE SYSTEM LOAD CLASS SPECIFIED. CHANNELS AND GRATE SHALL WITHSTAND A REQUIRED EN1433 LOAD CLASS.

MATERIALS: PRO 100FC TRENCH DRAIN SHALL BE MANUFACTURED FROM FIBER CONCRETE WITH THE FOLLOWING PROPERTIES:

COMPRESSIVE STRENGTH	> 45 MPA
FLEXURAL STRENGTH	> 20 MPA
FROST RESISTANT	YES
NON FLAMMABLE	YES
UV RESISTANT	YES
RECYCLABLE 100%	YES
DILUTE ACID AND ALKALI RESISTANT:	YES
MATERIAL FREE OF VOC, BIOCIDES, HEAVY METALS	YES
WATER ABSORPTION IS SUFFICIENT FOR ADHESION WITH CONCRETE SURFACES	YES

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY VODALAND CANADA INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY VODALAND CANADA INC.