

UNDERGROUND PRODUCTS

2012 PRICE LIST

M CON
PRODUCTS INC

2150 Richardson Side Road
Carp, Ontario K0A 1L0
T: 1-800-267-5515 F: 613-831-2048
SalesCarp@mconproducts.com

www.mconproducts.com

M CON
PIPE & PRODUCTS INC

2691 Greenfield Road
Ayr, Ontario N0B 1E0
T: 1-866-537-3338 F: 519-632-7440
SalesAyr@mconproducts.com

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Inside Diameter (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Lay Length (m)	Mass per Piece (kg)	Truckload Lots (pcs)
REINFORCED CONCRETE PIPE DIMENSIONS					
300	445	70	2.29	470	65
375	533	76	2.29	622	50
450	622	83	2.29	802	38
525 Carp	711	89	2.29	996	32
525 Ayr	711	89	2.44	1061	32
600 Carp	800	95	2.29	1198	26
600 Ayr	800	95	2.44	1276	26
675 Carp	889	102	2.29	1436	22
675 Ayr	889	102	2.44	1530	22
750 Carp	978	108	2.29	1682	19
750 Ayr	978	108	2.44	1792	19
825 Carp	1067	114	2.29	1865	17
825 Ayr	1067	114	2.44	2225	17
900 Carp	1156	121	2.29	2160	15
900 Ayr	1156	121	2.44	2301	15
975 Carp	1245	127	2.29	2451	12
975 Ayr	1245	127	2.44	2741	12
1050 Carp	1334	133	2.29	2755	11
1050 Ayr	1334	133	2.44	2935	11
1200 Carp	1511	146	2.29	3441	9
1200 Ayr	1473	127	2.44	3135	9
1350 Carp	1689	159	2.29	4203	9
1350 Ayr	1689	159	2.44	4565	8
1500 Carp	1867	171	2.44	5389	6
1500 Ayr	1828	152	2.44	4685	6
1650	2045	184	2.44	6296	5
1800 Carp	2223	197	2.44	7343	4
1800 Ayr	2185	178	2.44	6576	4
1950	2362	190	2.44	7589	4
2100	2540	203	2.44	8728	4
2250	2717	215	2.44	9892	3
2400	2895	228	2.44	11183	2
2550	3073	241	2.44	12552	2
2700	3251	254	2.44	14005	2
3000	3606	279	2.44	17077	1

REINFORCED CONCRETE PIPE

Inside Diameter (mm)	PRICE PER METRE			
	50-D	65-D	100-D	140-D
300	\$65.90	\$65.90	\$65.90	\$65.90
375	81.40	81.40	81.40	81.40
450	83.90	83.90	83.90	104.90
525	91.50	91.50	106.80	126.10
600	131.50	131.50	151.10	177.70
675	201.60	201.60	229.50	268.80
750	265.70	265.70	303.70	355.00
825	308.30	308.30	392.00	411.90
900	369.80	369.80	422.90	493.80
975	405.70	427.10	486.00	568.70
1050	464.60	487.90	558.70	650.80
1200	582.30	611.70	699.90	815.50
1350	713.30	748.80	856.70	997.80
1500	872.40	915.60	1,046.80	1,221.30
1650	1,044.70	1,097.70	1,254.70	1,462.70
1800	1,262.40	1,327.30	1,515.20	1,768.30
1950	1,464.10	1,538.80	1,756.50	2,050.40
2100	1,680.00	1,762.10	2,015.30	2,350.60
2250	1,909.30	2,005.50	2,291.50	2,673.70
2400	2,234.70	2,344.50	2,679.80	3,126.70
2550	2,516.90	2,640.50	3,018.90	3,522.50
2700	2,793.30	2,932.60	3,352.00	3,910.80
3000	3,420.60	3,593.40	4,106.80	4,791.00

Prices include a pre-lubricated rubber gasket.

Jacking Pipe - Add 10% to the above price per metre for 1200mm diameter and larger.

Contact our estimating department for a premium on smaller tunneling pipe

For SPECIAL DESIGN PIPE, please contact our engineering department.

TEE (90°) AND WYE (45°) BRANCHES

Branch Size (mm)	MAIN PIPE SIZE (mm)					
	300-525	600-825	900-1200	1350-1800	1950-2400	2550-3000 And Boxes
100	\$114.50	\$120.30	\$153.40	\$208.10	\$249.20	\$288.60
125	125.80	131.70	168.40	228.10	273.60	316.30
150	138.50	145.50	185.50	251.60	301.50	349.10
200	184.80	194.10	247.60	335.50	402.40	465.40
250	207.10	217.20	277.00	375.70	450.60	521.10
300	281.70	399.00	517.80	733.60	949.60	1,294.60
375	340.90	456.30	614.60	861.00	1,132.80	1,393.50
450	416.60	515.90	675.80	922.10	1,194.20	1,454.60
525	449.90	532.00	692.60	939.10	1,210.70	1,471.30
600	-	665.60	830.00	1,076.40	1,348.00	1,608.70
675	-	947.60	1,074.90	1,321.60	1,593.30	1,853.90
750	-	1,223.70	1,334.30	1,580.60	1,852.50	2,112.80
825	-	1,399.80	1,493.30	1,739.90	2,011.70	2,272.30
900	-	-	1,736.50	1,983.10	2,254.70	2,515.10
975	-	-	1,977.10	2,203.50	2,475.60	2,736.10
1050	-	-	2,245.60	2,449.60	2,721.00	2,981.60
1200	-	-	2,771.20	2,941.00	3,213.00	3,473.50
1350	-	-	-	3,492.60	3,731.50	4,025.00
1500	-	-	-	4,218.00	4,455.70	4,716.40

To calculate the price of a TEE or WYE branch, multiply the price per metre of the main pipe by it's length and add the corresponding price for the required branch as listed above.

NOTES:

- Special angle branches can be manufactured upon request.
- Maintenance hole TEES are calculated the same as pipe TEES.
- Scribed holes - Up to 1350mm \$82.30, 1500mm and over \$164.30 each.
- Branches 375mm and larger are for concrete pipe only.
- Branches 300mm and smaller are for concrete or smooth wall PVC pipe.
- Maximum branch size for 45 degree wye is 1050mm

REDUCERS & INCREASERS

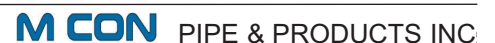
PRICE PER PIECE

- 1) 300 to 3000 mm reinforced pipe REDUCER or INCREASER
 - multiply the PRICE per metre of the larger pipe x 6.5

MINIMUM DELIVERY CHARGE – \$100.00. E.&O.E.



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CONCRETE PLUGS AND CAPS

Inside Diameter (mm)	Plug Mass (kg)	Cap Mass (kg)	Price Per Piece
300	25	98	\$65.90
375	38	141	81.40
450	51	186	104.90
525	67	234	126.10
600	83	259	177.70
675	102	285	268.80
750	126	378	355.00
825	149	372	411.90
900	174	414	493.80
975	558	558	568.70
1050	898	898	650.80
1200	1168	1168	815.50
1350	1454	1454	997.80
1500	1788	1788	1,221.30
1650	2156	2156	1,462.70
1800	2554	2554	1,768.30
1950	2994	2994	2,050.40
2100	3467	3467	2,350.60
2250	3973	3973	2,673.70
2400	4507	4507	3,126.70
2550	5088	5088	3,522.50
2700	5698	5698	3,910.80
3000	6971	6971	4,791.00

MINIMUM DELIVERY CHARGE – \$100.00. E.&O.E.

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REINFORCED CONCRETE PIPE BENDS

Inside Diameter (mm)	PRICE PER PIECE				Max. Angle
	50-D	65-D	100-D	140-D	
300	\$355.50	\$355.50	\$355.50	\$355.50	90°
375	440.30	440.30	440.30	440.30	90°
450	453.80	453.80	453.80	566.90	90°
525	494.30	494.30	577.80	680.60	90°
600	670.80	670.80	770.30	906.30	90°
675	1,008.30	1,008.30	1,148.20	1,344.40	90°
750	1,329.10	1,329.10	1,519.40	1,775.10	90°
825	1,541.10	1,541.10	1,959.80	2,060.00	90°
900	1,847.50	1,847.50	2,114.00	2,467.50	90°
975	2,028.70	2,136.50	2,430.50	2,842.90	90°
1050	2,323.10	2,440.20	2,793.30	3,254.40	90°
1200	2,911.00	3,058.40	3,499.30	4,077.60	90°
1350	3,567.70	3,744.10	4,283.40	4,988.70	90°
1500	4,361.40	4,577.00	5,234.00	6,106.10	84°
1650	5,224.40	5,488.70	6,272.60	7,311.60	75°
1800	6,311.90	6,635.60	7,576.70	8,840.60	70°
1950	7,321.20	7,694.00	8,782.00	10,252.00	65°
2100	8,399.80	8,811.30	10,076.30	11,751.80	62°
2250	9,546.80	10,026.60	11,457.30	13,368.80	60°
2400	11,173.40	11,722.50	13,398.20	15,633.10	56°
2550	12,584.60	13,202.20	15,093.80	17,613.00	53°
2700	13,966.80	14,662.80	16,760.30	19,553.40	50°
3000	17,103.00	17,965.80	20,533.80	23,954.10	45°

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REINFORCED ELLIPTICAL CONCRETE PIPE

Equivalent Diameter (mm)	Rise x Span (mm)	Mass Per Piece (kg)	Wall Thickness (mm)	PRICE PER METRE			
				HE I	HE II	HE III	HE IV
900	735 x 1145	2285	114	\$486.00	\$513.20	\$569.80	\$653.80
1050	865 x 1345	2970	127	595.00	622.30	701.90	804.60
1200	965 x 1525	3680	140	731.20	764.70	859.00	991.10
1350	1090 x 1725	4520	152	917.70	966.10	1,083.40	1,246.90
1500	1220 x 1930	5390	165	1,093.90	1,150.50	1,295.00	1,487.60
1650	1345 x 2110	6415	178	1,297.20	1,364.10	1,529.60	1,762.10
1800	1475 x 2310	4520	152	1,561.20	1,636.50	1,837.40	2,116.50
1950	1585 x 2495	3680	140	1,793.60	1,888.00	2,116.50	2,439.00
2100	1705 x 2490	4520	152	2,045.10	2,151.90	2,414.00	2,780.60
2400	1950 x 3070	5390	165	2,709.30	2,847.40	3,195.20	3,681.50
2700	2195 x 3455	6415	178	3,208.20	3,371.40	3,784.30	4,355.90
3000	2400 x 3840	7500	191	3,907.80	4,102.60	4,607.70	5,307.60

NOTES:

- 1) Above prices are based on mortar joints, for butyl jointing material add 5% to above pricing.
- 2) Bends- multiply the price per metre of the elliptical pipe x 5.0.
- 3) Reducers & Increasesers - multiply the price per metre of the larger elliptical pipe x 6.0.
- 4) Plugs & Caps - multiply the price per metre of the elliptical HE IV pipe x 1.0.
- 5) Tee and Wye Junctions – multiply the price per metre of the elliptical pipe x 2.44 and then add the corresponding pipe branch price from page 4 (for elliptical branch, use the equivalent diameter).
- 6) Maintenance Hole Tee - Multiply the price per metre of the elliptical pipe x 2.44 and add \$3,158.80 for the 1200mm riser stub.
- 7) Pipe lengths 2.44m.
- 8) Manufactured to ASTM C507M.

REINFORCED NON-STANDARD CONCRETE BOX CULVERTS

Span x Rise (Nominal) (mm)	Wall Thickness (mm)	Lay Length (mm)	Mass per Piece (kg)	Design Earth Cover (m)	Price per Metre	Design Earth Cover (m)	Price per Metre
1200 x 900	200	2.50	7130	0.6 to 3.6	\$1,143.30	0.0 to 0.6	Price on request
1200 x 1200	200	2.50	7920	0.6 to 3.6	1,238.50	0.0 to 0.6	Price on request
1500 x 1200	200	2.50	8720	0.6 to 3.6	1,363.80	0.0 to 0.6	Price on request
1500 x 1500	200	2.50	9510	0.6 to 3.6	1,487.20	0.0 to 0.6	Price on request
1800 x 1500	200	2.50	10300	0.6 to 3.6	1,610.70	0.0 to 0.6	Price on request
1800 x 1800	200	2.50	11100	0.6 to 3.6	1,806.40	0.0 to 0.6	Price on request
2400 x 900	200	2.50	10300	0.6 to 3.6	1,828.20	0.0 to 0.6	price on request
2400 x 2100	200	2.50	13500	0.6 to 3.6	2,393.20	0.0 to 0.6	Price on request
2400 x 2400	200	2.50	14300	0.6 to 3.6	2,535.90	0.0 to 0.6	Price on request
3000 x 900	250	2.50	15400	0.6 to 3.6	2,731.40	0.0 to 0.6	Price on request
3000 x 1200	250	2.50	16350	0.6 to 3.6	2,911.20	0.0 to 0.6	Price on request
3000 x 2700	As required	As required		0.6 to 3.6	3,779.10	0.0 to 0.6	Price on request
3000 x 3000	As required	As required		0.6 to 3.6	3,970.30	0.0 to 0.6	Price on request
3600 x 1500	As required	As required		0.6 to 3.6	4,371.40	0.0 to 0.6	Price on request
3600 x 1800	As required	As required		0.6 to 3.6	4,597.80	0.0 to 0.6	Price on request
3600 x 2100	As required	As required		0.6 to 3.6	5,085.00	0.0 to 0.6	Price on request
3600 x 2400	As required	As required		0.6 to 3.6	5,317.50	0.0 to 0.6	Price on request
3600 x 2700	As required	As required		0.6 to 3.6	5,546.90	0.0 to 0.6	Price on request
3600 x 3000	As required	As required		0.6 to 3.6	5,779.10	0.0 to 0.6	Price on request
4200 x 1500	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4200 x 1800	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4200 x 2100	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4200 x 2400	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4200 x 2700	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4200 x 3000	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4800 x 1500	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4800 x 1800	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4800 x 2100	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4800 x 2400	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4800 x 2700	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request
4800 x 3000	As required	As required		0.6 to 3.6	Price on request	0.0 to 0.6	Price on request

REINFORCED CONCRETE BOX CULVERTS – OPSS1821

Span x Rise (mm)	Wall Thickness (mm)	Mass per Piece (kg)	Design Earth Cover (m)	Price Per Metre
1800 x 900	200	8720	0.6 to 5.5	\$1,415.80
1800 x 1200	200	9510	0.6 to 5.5	1,545.40
2400 x 1200	200	11100	0.6 to 3.6	1,971.80
2400 x 1500	200	11900	0.6 to 3.6	2,112.50
2400 x 1800	200	12670	0.6 to 3.6	2,253.50
3000 x 1500	250	17320	0.6 to 3.6	3,085.00
3000 x 1800	250	18320	0.6 to 3.6	3,262.00
3000 x 2100	250	19310	0.6 to 3.6	3,437.20
3000 x 2400	250	20300	0.6 to 3.6	3,612.20

REINFORCED CONCRETE BOX CULVERTS – NOT IN OPSS1821

Span x Rise (mm)	Wall Thickness (mm)	Mass per Piece (kg)	Design Earth Cover (m)	Price Per Metre
1800 x 900	200	8720	0.0 to 0.6 & 5.5 to 8.0	\$1,781.60
1800 x 1200	200	9510	0.0 to 0.6 & 5.5 to 8.0	1,938.20
2400 x 1200	200	11100	0.0 to 0.6 & 3.6 to 6.0	2,478.80
2400 x 1500	200	11900	0.0 to 0.6 & 3.6 to 5.0	2,676.40
2400 x 1800	200	12670	0.0 to 0.6 & 3.6 to 5.0	2,820.40
3000 x 1500	250	17320	0.0 to 0.6 & 3.6 to 5.0	3,794.10
3000 x 1800	250	18320	0.0 to 0.6 & 3.6 to 5.0	3,953.20
3000 x 2100	250	19310	0.0 to 0.6 & 3.6 to 5.0	4,159.30
3000 x 2400	250	20300	0.0 to 0.6 & 3.6 to 5.0	4,367.40

NOTES:

- 1) Box Lay Length – 2.50 m
- 2) Jointing Material – add 5% to above price per metre.
- 3) Delivery – Please allow 4-6 weeks from date of order for delivery.
- 4) Specials – Please contact our Sales or Engineering Departments for prices of special design box units.
- 5) Tee & Wye Junctions (Box Culvert Branch) – Multiply the price per metre of the main box unit by 6.0.
- 6) Tee & Wye Junctions (Pipe Branch) – Multiply the price per metre of the main box unit by 2.5 and add the branch price from pg. 4. (For elliptical branches, use the equivalent diameter)
- 7) Bends & Elbows – 5.0 x price per metre of box unit = Total price per piece of Bend or Elbow.
- 8) Reducers & Increasers – 6.0 x price per metre of the larger box = Total price per piece of Reducers and Increasers.
- 9) Plugs & Caps – Price per metre of box unit = Total price per piece of Plug or Cap
- 10) Radius Box Unit – 1.15 x price per metre of straight box.
- 11) Beveled or Skewed End – 1.2 x price per metre of straight box, and then multiply by length of beveled or skewed unit.
- 12) Flush Ends – \$553.00 per unit.
- 13) 15M Dowels & Inserts – \$65.10 each.
- 14) Scribed Holes – \$167.70 each.
- 15) Hole to Accept Maintenance Hole Riser – \$921.90 (includes steps.)
- 16) Additional sizes available upon request. Please contact our Engineering Department.

MAINTENANCE HOLE ESTIMATING TABLE

1200mm			1500mm			1800mm			2400mm		
Depth (m)			Depth (m)			Depth (m)			Depth (m)		
From	To	Price	From	To	Price	From	To	Price	From	To	Price
0.86	1.00	\$ 1,194	1.25	1.39	\$ 2,517	1.82	1.97	\$4,186	1.46	1.75	\$7,275
1.01	1.15	\$ 1,278	1.40	1.54	\$ 2,776	1.98	2.12	\$4,554	1.76	2.06	\$7,930
1.16	1.30	\$ 1,365	1.55	1.69	\$ 2,776	2.13	2.27	\$4,554	2.07	2.36	\$8,586
1.31	1.46	\$ 1,449	1.70	1.84	\$ 3,034	2.28	2.42	\$4,921	2.37	2.67	\$9,241
1.47	1.61	\$ 1,535	1.85	1.99	\$ 3,034	2.43	2.58	\$4,921	2.68	2.87	\$9,894
1.62	1.76	\$ 1,619	2.00	2.14	\$ 3,292	2.59	2.63	\$4,991	2.88	3.18	\$10,499
1.77	1.91	\$ 1,705	2.15	2.30	\$ 3,292	2.64	2.78	\$4,991	3.19	3.48	\$10,499
1.92	2.07	\$ 1,789	2.31	2.45	\$ 3,551	2.79	2.93	\$5,161	3.49	3.79	\$10,670
2.08	2.22	\$ 1,876	2.46	2.65	\$ 3,551	2.94	3.08	\$5,161	3.80	4.09	\$10,840
2.23	2.32	\$ 1,960	2.66	2.80	\$ 3,730	3.09	3.24	\$5,332	4.10	4.20	\$11,010
2.33	2.47	\$ 1,779	2.81	2.96	\$ 3,900	3.25	3.39	\$5,332	4.21	4.50	\$10,829
2.48	2.62	\$ 1,866	2.97	3.11	\$ 3,900	3.40	3.54	\$5,502	4.51	4.80	\$11,000
2.63	2.78	\$ 1,950	3.12	3.26	\$ 4,071	3.55	3.64	\$5,502	4.81	5.00	\$11,170
2.79	2.93	\$ 2,036	3.27	3.41	\$ 4,071	3.65	3.79	\$5,321	5.01	5.11	\$12,218
2.94	3.08	\$ 2,120	3.42	3.57	\$ 4,241	3.80	3.95	\$5,492	5.12	5.41	\$12,388
3.09	3.23	\$ 2,206	3.58	3.67	\$ 4,241	3.96	4.10	\$5,492	5.42	5.72	\$12,559
3.24	3.39	\$ 2,290	3.68	3.82	\$ 4,060	4.11	4.25	\$5,662	5.73	6.02	\$12,730
3.40	3.54	\$ 2,377	3.83	3.97	\$ 4,231	4.26	4.40	\$5,662	6.03	6.33	\$12,900
3.55	3.69	\$ 2,461	3.98	4.12	\$ 4,231	4.41	4.56	\$5,832	6.34	6.63	\$13,071
3.70	3.84	\$ 2,547	4.13	4.28	\$ 4,401	4.57	4.71	\$5,832	6.64	6.93	\$13,241
3.85	4.00	\$ 2,631	4.29	4.43	\$ 4,401	4.72	4.86	\$6,003	6.94	7.24	\$13,412
4.01	4.15	\$ 2,718	4.44	4.58	\$ 4,571	4.87	5.00	\$6,003	7.25	7.54	\$13,583
4.16	4.30	\$ 2,802	4.59	4.73	\$ 4,571	5.01	5.17	\$7,221	7.55	7.84	\$13,753
4.31	4.45	\$ 2,888	4.74	4.89	\$ 4,742	5.18	5.32	\$7,221			
4.46	4.61	\$ 2,972	4.90	5.00	\$ 4,742	5.33	5.47	\$7,392			
4.62	4.76	\$ 3,060	5.01	5.19	\$ 5,960	5.48	5.63	\$7,392			
4.77	4.91	\$ 3,144	5.20	5.34	\$ 5,960	5.64	5.78	\$7,562			
4.92	5.00	\$ 3,230	5.35	5.50	\$ 6,131	5.79	5.93	\$7,562			
5.01	5.06	\$ 4,278	5.51	5.65	\$ 6,131	5.94	6.08	\$7,732			
5.07	5.22	\$ 4,362	5.66	5.80	\$ 6,301	6.09	6.24	\$7,732			
5.23	5.37	\$ 4,449	5.81	5.95	\$ 6,301	6.25	6.39	\$7,904			
5.38	5.52	\$ 4,533	5.96	6.11	\$ 6,471	6.40	6.54	\$7,904			
5.53	5.67	\$ 4,619	6.12	6.26	\$ 6,471	6.55	6.69	\$8,075			
5.68	5.82	\$ 4,703	6.27	6.41	\$ 6,643	6.70	6.85	\$8,075			
5.83	5.98	\$ 4,790	6.42	6.56	\$ 6,643	6.86	7.00	\$8,245			
5.99	6.13	\$ 4,874	6.57	6.72	\$ 6,814	7.01	7.15	\$8,245			
6.14	6.28	\$ 4,960	6.73	6.87	\$ 6,814	7.16	7.30	\$8,416			
6.29	6.44	\$ 5,044	6.88	7.03	\$ 6,984						
6.45	6.59	\$ 5,131									
6.60	6.74	\$ 5,215									

NOTES:

1. Depth represents the difference between finished grade and the lowest invert elevation.
2. Prices are rounded to the nearest dollar.
3. The Estimating Table transitions to 1200mm dia. components as follows:
 - a) 1200mm - Flat Top to tapered top (cone section)
 - b) 1500mm - After 1.80m of headroom
 - c) 1800mm - After 1.80m of headroom
 - d) 2400mm - After 2.40m of headroom
4. Prices are calculated based on the most common applications and will vary with site conditions.
5. Prices include: standard precast concrete components c/w steps, pipe openings and joint gaskets. 1200mm Safety Landings are included at 5.0m and deeper.
6. Prices do NOT include: castings, grade adjustment rings, flexible connectors, pre-benching, precast drops and other accessories.

DWG. NO.	CODE NO.	DETAILS	HEIGHT (m)	MASS (kg)	PRICE
1200mm Ø MAINTENANCE HOLE					OPSD 701.010
A-1	2120001	Base Slab	.20	850	\$437.20
A-1	2121091	Monolithic Base	.91	1615	923.90
	2120011	Benching			494.40
A-1	2122030	Risers <i>(Available in .30, .61, .91, 1.22, 1.53, 1.83, 2.13 & 2.44m)</i>		1300/m	559.20/m
A-1	2124000	Taper Top	1.32	2000	767.50
A-1	2123300	Flat Cap	.30	650	437.20
	9091200	Safety Landing (OPSD 404.020)			1,047.70
1500mm Ø MAINTENANCE HOLE					OPSD 701.011
A-2	2150001	Base Slab	.30	1000	\$871.20
A-2	2151183	Monolithic Base	1.83	4514	2,422.13
A-2	2152030	Risers <i>(Available in .30, .61, .91, 1.22, 1.53, 1.83, 2.13 & 2.44m)</i>		1920/m	847.50/m
A-2	2153450	Flat Cap	.43	1820	871.20
A-2	2153454	Tapered Transition Section c/w steps	.61	1378	871.20
	2150010	Benching <i>(Available in Ayr only)</i>			665.40
	9091500	Safety Landing (OPSD 404.020)			1,475.30
1800mm Ø MAINTENANCE HOLE					OPSD 701.012
A-3	2180001	Base Slab	.30	1595	\$1,174.80
A-3	2181213	Monolithic Base	2.13	7293	3,741.45
A-3	2182030	Risers <i>(Available in .30, .61, .91, 1.22, 1.53, 1.83, 2.13 & 2.44m)</i>		2675/m	1,205.00/m
A-3	2183380	Flat Cap	.43	2693	1,174.80
A-3	2183384	Tapered Transition Section c/w steps	.61	2274	1,174.80
	9091800	Safety Landing (OPSD 404.020)			1,914.40
2400mm Ø MAINTENANCE HOLE					OPSD 701.013
A-4	2240001	Base Slab	.30	4620	\$2,328.00
A-4	2242030	Risers <i>(Available in .61, .91, 1.22, 1.53, 1.83, 2.13 & 2.44m)</i>		4598/m	2,148.50/m
A-4	2243300	Flat Cap	.43	4980	2,328.00
A-4	2243304	Transition Slab (1200mm x .305m Chimney included)	.63	4300	2,498.60
	9092400	Safety Landing (OPSD 404.020)			2,993.60

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DWG. NO.	CODE NO.	DETAILS	HEIGHT (m)	MASS (kg)	PRICE
3000mm Ø MAINTENANCE HOLE					OPSD 701.014
A-5	2300001	Base Slab	.30	6697	\$3,920.60
A-5	2302030	Risers (Available in .61, .91, 1.22, 1.53, 1.83, 2.13 & 2.44m)		6995/m	3,361.20/m
A-5	2303300	Flat Cap	.45	7981	3,920.60
A-5	2303304	Transition Slab (1200mm x .305m Chimney included)	.65	7406	4,091.20
	9093000	Safety Landing			Price on request
3600mm Ø MAINTENANCE HOLE					
	2360001	Base Slab	.30	10500	\$6,922.90
	2362122	Risers (Available in .61, .91, 1.22, 1.83, 2.13, 2.44m)		11042/m	7,325.20/m
	2363304	Flat Cap	.45	10500	6,922.90
	9093600	Transition Slab (1200mm x .305m Chimney included)	.45	10500	7,093.46
		Safety Landing			Price on request
2400mm x 1800mm Rectangular Maintenance Holes and Utility Structures (Available in Ayr only)					
	24180001	Base Slab	.250	3180	\$1,854.20
	24182061	Risers Available from .61m to 2.50m		4762/m	2,366.30/m
	24183000	Flat Cap	.305	3370	2,036.70
	24183100	Transition Slab (1200mm x .305m Chimney included)	.305	3250	2,207.26
3000mm x 2400mm Rectangular Maintenance Holes and Utility Structures (Available in Ayr only)					
	30240001	Base Slab	.250	6010	\$3,387.40
	30242061	Risers Available from .61m to 2.50m		7633/m	3,801.00/m
	30243000	Flat Cap	.350	6555	3,376.00
	30243100	Transition Slab (1200mm x .305m Chimney included)	.350	5997	3,546.56

NOTES:

Price includes rubber gasket.

Other Monolithic Base heights available. Please contact our sales or engineering department for pricing

Prices on product manufactured to OPSD 700 series and OPSD 1000 series.

Standard steps conform to OPSD 405.010.

Solid aluminum steps available upon request.

DWG. NO.	CODE NO.	DETAILS		MASS (kg)	PRICE
BOX MAINTENANCE HOLES			BOX NAME		OPSS 1351
A-6	3033999	900mm x 900mm	M3.3	1855/m	\$1,264.50/m
A-6	3033001	900mm x 900mm (separate top slab)	M3.3	589	916.40
A-6	3040999	1200mm x 1200mm	M4	3200/m	1,657.70/m
A-6	3040001	1200mm x 1200mm (separate top slab)	M4	1706	1,065..30
A-6	3050999	1500mm x 1800mm	M5	3875/m	2,052.90/m
A-6	3050001	1500mm x 1800mm (separate top slab)	M5	2750	1,541.30
A-6	3055999	1800mm x 1800mm	M5.5	5200/m	2,818.90/m
A-6	3055001	1800mm x 1800mm (separate top slab)	M5.5	3173	2,075.80
A-6	3065999	1800mm x 2400mm	M6.5	7750/m	3,235.30/m
A-6	3065001	1800mm x 2400mm (separate top slab)	M6.5	4019	2,551.40
A-6	3075999	1800mm x 3000mm	M7.5	8600/m	3,906.40/m
A-6	3075001	1800mm x 3000mm (separate top slab)	M7.5	4865	3,224.50
A-6	3080999	2400mm x 2400mm	M8	9500/m	3,906.40/m
A-6	3080001	2400mm x 2400mm (separate top slab)	M8	5534	3,224.50
A-6	3090999	2400mm x 3000mm	M9	10250/m	5,036.70/m
A-6	3090001	2400mm x 3000mm (separate top slab)	M9	6699	4,516.80
A-6	3095999	3000mm x 3000mm	M9.5	10865/m	5,895.20/m
A-6	3095001	3000mm x 3000mm (separate top slab)	M9.5	8109	5,114.00
A-6	3100999	2400mm x 3800mm	M10	12500/m	6,149.50/m
A-6	3100001	2400mm x 3800mm (separate top slab)	M10	8172	5,327.00
A-6	3110999	3000mm x 3800mm	M11	13100/m	7,923.90/m
A-6	3110001	3000mm x 3800mm (separate top slab)	M11	9894	7,131.20
A-6	3120999	3800mm x 3800mm	M12	14900/m	10,221.80/m
A-6	3120001	3800mm x 3800mm (separate top slab)	M12	10600	9,199.10

NOTES:

Additional sizes are available, please contact our sales department regarding your requirements.
 A minimum charge of 2 metres will apply to all box maintenance holes. Box Maintenance prices are designed to maximum depth of 7 metres.
 Butyl tape or hydrophilic gasket and waterproofing membrane are required for all box structures (refer to the Sealants section in our price list)
 Special Safety Landings, Hatches and speciality hardware available for all box maintenance holes.

PIPE TO MAINTENANCE HOLE FLEXIBLE CONNECTORS

CONCRETE PIPE	PVC PIPE	CORE HOLE DIA. (mm)	PRICE EACH
	150	300	\$153.80
150		300	153.80
	200	300	153.80
200		400	153.80
	250	400	201.10
250		400	201.10
	300	400	201.10
300		500	263.00
	375	500	263.00
375		610	315.90
	450	560	315.90
450		711	399.70
	525	660	399.70
525		813	471.90
	600	711	447.20
600		864	559.50

DWG. NO.	CODE NO.	DETAILS	HEIGHT	MASS (kg)	PRICE
CATCH BASINS / DITCH INLETS					
B-1	1201030	600mm x 600mm Catch Basin (OPSD 705.010)		900kg/m	\$366.20/m
	1221030	600mm x 600mm Catch Basin (150mm wall)		1250kg/m	495.00/m
B-4	1301030	600mm x 600mm Ditch Inlet (OPSD 705.030)		1250kg/m	547.10/m
B-3	1241030	600mm x 1450mm Twin Inlet (OPSD 705.020)		1855kg/m	710.70/m
B-5	1341030	600mm x 1200mm Ditch Inlet (OPSD 705.040A)		1700kg/m	849.20/m
B-6	1341030	600mm x 1200mm Ditch Inlet (OPSD 705.040B)		1700kg/m	849.20/m
B-7	1361030	1200mm x 1200mm Ditch Inlet (OPSD 702.040)		3750kg/m	1,681.80/m
B-8	1361030	1200mm x 1200mm Ditch Inlet (OPSD 702.050)		3750kg/m	1,681.80/m
B-9	1231030	600mm x 840mm Curb Inlet (Available in Ayr only)		1776kg/m	579.30/m
B-2	1203015	600mm x 600mm Flat Top	.15m	200 kg	163.30
	9012099	Goss Trap (PVC)			509.60

NOTE:

Minimum charge of 1 metre will apply to all box catch basins and ditch inlets.
Price of Ditch Inlet includes one pair of Ditch Inlet fasteners

DITCH INLET GRATES

403.010A	9090010	762mm x 768mm Ditch Inlet Grate – Type A			\$435.80
403.010B	9090020	768mm x 1338mm Ditch Inlet Grate – Type B			641.40
403.010C	9090030	768mm x 1465mm Ditch Inlet Grate – Type C			704.10

ACCESSORIES

405.010	99100	20mm Hollow Aluminum Maintenance Hole Step			\$19.80
405.020	99105	20mm Solid Aluminum Maintenance Hole Step			28.50
	99111	25mm Galvanized Maintenance Hole Step			60.00
	99112	Outside Rebar Steps (supplied and installed)			26.60
	99125	Aluminum Ladder c/w hardware			Price on request
	99150	Aluminum Hatch			Price on request
	99901	4 ton Lifting device			302.70
	99902	8 ton Lifting device			569.60
	99993	Non Standard Openings			494.40

SEALANTS FOR BOX STRUCTURES

	99010	Butyl Tape – 25mm x 25mm (Box Manhole Sealant)			\$169.70
	99030	Expanded Bentonite Tape – 25mm x 19mm (Hydrophilic Waterstop)			504.00
	99035	Paraprimer for Hydrophilic Waterstop (1 gallon container)			127.30
	99060	Mel-Rol Waterproofing Membrane (300mm wide x 18m roll)			169.70
	99065	Mel-Prime Primer (3.78 liter container)			127.30
	99090	Pail of Hydraulic Cement		25	78.80
	99095	Pail of Mastic (Tar)		20	40.60

MINIMUM DELIVERY CHARGE – \$100.00. E.&O.E.

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2150 Richardson Side Road, Carp, Ontario K0A 1L0

T: 1-800-267-5515 F: 613-831-2048 SalesCarp@mconproducts.com

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2691 Greenfield Road, Ayr, Ontario N0B 1E0

T: 1-866-537-3338 F: 519-632-7440 SalesAyr@mconproducts.com

DWG. NO.	CODE NO.	DETAILS	MASS (kg)		PRICE PER PIECE
			Ayr	Carp	
HEADWALLS					MODIFIED OPSD 804.030
E-1	6020300	Headwall for 300 dia. pipe	4071	5028	\$2,336.20
E-1	6020375	Headwall for 375 dia. pipe	3978	4976	2,336.20
E-1	6020450	Headwall for 450 dia. pipe	5382	4877	2,840.20
E-1	6020525	Headwall for 525 dia. pipe	5255	7262	2,840.20
E-1	6020600	Headwall for 600 dia. pipe	7043	7143	3,627.00
E-1	6020675	Headwall for 675 dia. pipe	6927	7024	3,627.00
E-1	6020750	Headwall for 750 dia. pipe	9057	9951	4,429.60
E-1	6020825	Headwall for 825 dia. pipe	8837	9789	4,429.60
E-1	6020900	Headwall for 900 dia. pipe		9612	5,396.90
WINGWALLS					MODIFIED OPSD 804.040
E-3	6040675	Wingwall for 675 dia. Pipe			Price on request
E-3	6040750	Wingwall for 750 dia. Pipe			Price on request
E-3	6040825	Wingwall for 825 dia. Pipe			Price on request
E-3	6040900	Wingwall for 900 dia. Pipe			Price on request
E-3	6041050	Wingwall for 1050 dia. Pipe			Price on request
E-3	6041200	Wingwall for 1200 dia. Pipe			Price on request
E-3	6041350	Wingwall for 1350 dia. Pipe			Price on request
E-3	6041500	Wingwall for 1500 dia. Pipe			Price on request
HEADWALL GRATES					OPSD 804.050
	6010375	Headwall grate for 300 dia. pipe			\$574.50
	6010375	Headwall grate for 375 dia. pipe			574.50
	6010450	Headwall grate for 450 dia. pipe			631.80
	6010525	Headwall grate for 525 dia. pipe			631.80
	6010600	Headwall grate for 600 dia. pipe			678.80
	6010675	Headwall grate for 675 dia. pipe			678.80
	6010750	Headwall grate for 750 dia. pipe			804.40
	6010825	Headwall grate for 825 dia. pipe			804.40
	6010900	Headwall grate for 900 dia. pipe			845.50
	6010975	Headwall grate for 975 dia. pipe			895.80
	6011050	Headwall grate for 1050 dia. pipe			1,019.30
	6011200	Headwall grate for 1200 dia. pipe			1,166.00
	6011350	Headwall grate for 1350 dia. pipe			1,240.90
	6011500	Headwall grate for 1500 dia. pipe			1,345.90

NOTE:

Precast alternatives to OPSD 804.020 are available, as well as other sizes.
Specialty headwall grates are also available, please contact our sales department.

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DWG. NO.	CODE NO.	DETAILS	HEIGHT	MASS (kg)	PRICE
CITY OF OTTAWA VALVE CHAMBERS					
C-2	4150002	Circular Base Set (2 pieces/set) 1780mm x 790mm	400mm	1232	571.20
C-1	4151122	1520mm Ø Bottom	1.22m	2304	1,033.93
C-1	4153450	1520mm Ø Flat Cap	0.43m	1435	871.20
C-1	2072015	760mm Ø Risers (Available in .15, .23, .30, .45, .61 & .76m)		568kg/m	498.50/m
C-1	4154015	760mm Ø Top Section	0.15m	102	120.00
C-1	4154030	760mm Ø Top Section	0.30m	203	152.00
C-1	4154045	760mm Ø Top Section	0.45m	289	227.90
C-3	3050999	1500mm x 1800mm (Park VC W31.1)		3875/m	2,052.90/m
C-3	3050001	1500mm x 1800mm (separate top slab)	230mm	2750	1,541.30
A-6	3055999	1800mm x 1800mm (Park VC)		5200/m	2,818.90/m
A-6	3055001	1800mm x 1800mm (separate top slab)	230mm	3173	2,075.80
C-3	4060999	1800mm x 2400mm (W10, Type R-1)		7750/m	3,235.30/m
C-3	4060001	1800mm x 2400mm (separate top slab)	230mm	4019	2,551.40
C-3	4070999	1800mm x 3000mm (W10, Type R-2)		8600/m	3,906.40/m
C-3	4070001	1800mm x 3000mm (separate top slab)	230mm	4865	3,224.50
C-3	4090999	2400mm x 3000mm (W11, Type R-3)		10250/m	5,036.70/m
C-3	4090001	2400mm x 3000mm (separate top slab)	250mm	6699	4,516.80
C-3	4110999	3000mm x 3800mm (W11, Type R-4)		13100/m	7,923.90/m
C-3	4110001	3000mm x 3800mm (separate top slab)	250mm	9894	7,131.20
C-3	4090999	2400mm x 3000mm (W12, Type R-3)		10250/m	5,036.70/m
C-3	4090001	2400mm x 3000mm (separate top slab)	250mm	6699	4,516.80
C-3	4110999	3000mm x 3800mm (W12, Type R-4)		13100/m	7,923.90/m
C-3	4110001	3000mm x 3800mm (separate top slab)	250mm	9894	7,131.20
C-3	4110999	3000mm x 3800mm (W13, Type R-4)		13100/m	7,923.90/m
C-3	4110001	3000mm x 3800mm (separate top slab)	250mm	9894	7,131.20

NOTES:

Monolithic base & top are included in the price per vertical metre of Box Valve Chambers.

Additional sizes are available, please contact our sales department.

There is a premium for TVS Chambers, add 25% to the cost of the box portion of a standard box valve chambers.

Hydrophilic gasket and waterproofing membrane are required for all valve chambers (refer to the Sealants section in our price list)

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DWG. NO.	CODE NO.	DETAILS	HEIGHT(mm)	MASS (kg)	PRICE
710mm Ø MAINTENANCE HOLE					OPSD 704.010
F-1	2125005	Adjuster 710mm Ø x 159mm wide	50	57	\$33.90
F-1	2125007	Adjuster 710mm Ø x 159mm wide	75	85	35.80
	2125007S	Adjuster 710mm Ø x 159mm wide c/w step	75	72	52.70
F-1	2125010	Adjuster 710mm Ø x 159mm wide	100	114	38.50
F-1	2125015	Adjuster 710mm Ø x 159mm wide	150	171	41.90
F-1	2125030	Adjuster 710mm Ø x 159mm wide c/w step	300	343	159.40
760mm Ø MAINTENANCE HOLE / VALVE CHAMBER					OPSD 704.010
F-1	4155005	Adjuster 760mm Ø	50	18	\$33.90
F-1	4155007	Adjuster 760mm Ø	75	28	35.80
F-1	4155010	Adjuster 760mm Ø	100	38	38.50
F-1	4155015	Adjuster 760mm Ø	150	54	41.90
330mm x 480mm RECTANGULAR CATCH BASIN					
F-1	1005005	Adjuster 330mm x 480mm	50	10	\$32.20
F-1	1005007	Adjuster 330mm x 480mm	75	15	33.00
F-1	1005015	Adjuster 330mm x 480mm	150	30	41.90
600mm x 600mm SQUARE CATCH BASIN					OPSD 704.010
F-1	1205005	Adjuster 600mm x 600mm	50	35	\$32.10
F-1	1205007	Adjuster 600mm x 600mm	75	53	34.00
F-1	1205010	Adjuster 600mm x 600mm	100	70	37.70
F-1	1205015	Adjuster 600mm x 600mm	150	105	41.90
SEALANT FOR ADJUSTMENT RINGS					
	99020	Box of 1/4" dia. Butyl Tape (26 rolls/box)			\$240.30
	99021	Roll of 1/4" dia. Butyl Tape (20' long)			12.40

PACKAGING FORMAT FOR ALL ADJUSTMENT RINGS

Thickness (mm)	Thickness (inches)	Quantity per Bundle
50	2	12 pcs
75	3	8 pcs
100	4	6 pcs
150	6	4 pcs

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M CON PIPE & PRODUCTS INC

2691 Greenfield Road, Ayr, Ontario N0B 1E0
 T: 1-866-537-3338 F: 519-632-7440 SalesAyr@mconproducts.com

OPSD. or SPEC. CODE NO.	DETAILS	PRICE.
ONTARIO PROVINCIAL STANDARD CASTINGS		
400.020	9012000 150mm high x 610mm x 610mm CB Frame & Grate – Flat	\$347.00
400.010	9012010 150mm high x 610mm x 610mm CB Frame & Grate – Dished	347.00
400.030	9012020 150mm high x 610mm x 610mm CB Frame & Grate – V Type	551.00
400.100	9012060 150mm high x 610mm x 610mm CB Frame & Grate – Slotted Openings	473.00
400.120	9012085 150mm high x 610mm x 610mm CB Frame & Grate – Birdcage	625.00
401.010B	9020030 150mm high x 625 Ø MH Square Frame & Open Grate	331.00
401.010A	9020040 150mm high x 625 Ø MH Square Frame & Closed Cover	331.00
401.030	9020050 150mm high x 625 Ø MH Square Frame & Cover – Watertight	683.00
401.020	9020060 130mm high x 760 Ø MH Frame & Cover	562.00
400.070	9020070 150mm high x 625 Ø MH Raised Frame & Herringbone Grate	478.00
402.010	9040020 150mm high x 625 Ø VC Frame & Cover	520.00
402.030	9040030 VC Frame & Meter Chamber - 3 pc unit	3,360.00

CITY OF OTTAWA CASTINGS

	9010000 CB Adjustable Frame & Cover c/w guide frame	\$1,234.00
S20/S21	9010020 75mm high x 390mm x 550mm CB Frame & Grate	242.00
S22/S23	9012030 230mm high x 610mm x 610mm CB Frame & Cover – Curb Inlet	509.00
S28	9012050 230mm high x 610mm x 610mm CB Frame & Cover - City of Ottawa Curb CBMH	803.00
	9020000 760 Ø MH Adjustable Frame & Cover c/w guide frame	1,208.00
S24.1/S25	9020010 130mm high x 760 Ø MH Frame & Cover – Fish Logo	462.00
S24/S25	9020020 130mm high x 760 Ø MH Frame & Cover – Toilet Logo	462.00
S24.2/S25	9020023 130mm high x 760 Ø MH Frame & LOCKABLE Cover	1,103.00
S19	9020073 150mm high x 625 Ø MH Raised Frame & Fish Grate	352.00
W15/W16	9040010 130mm high x 760 Ø VC Frame & Cover – City of Ottawa style	473.00
	9040000 760 Ø VC Adjustable Frame & Cover c/w guide frame	1,234.00

MISCELLANEOUS CASTINGS

	9012004 100mm (4") high x 610mm x 610mm CB Frame & Grate – Flat	\$520.00
	9012080 150mm high x 610mm x 610mm CB Frame & Grate – Beehive	630.00
	9020080 625 Ø MH Adjustable Frame & Cover c/w guide frame (Cornwall Std)	867.00
	9010112 750mm Ø CB Grate – Quebec Type (P-3, 29-1/2" dia.)	268.00

NOTE:
Specialty castings and/or inscriptions are available on special order.

MINIMUM DELIVERY CHARGE – \$100.00. E.&O.E.

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1. ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. Estimates are open for acceptance for 30 days.
2. Acceptance of all pricing shall not obligate the seller until the Purchaser's credit is approved by our Credit Department. Orders must be placed by means of a signed purchase order, signed letter or signed M-Con estimate sheet.
3. PAYMENT TERMS: Net 30 days. A 3% cash discount will be allowed as incentive for prompt payment, providing no amount is overdue and full payment is made by the 25th of the month following. Note that H.S.T. is not subject to the discount. Interest at a rate of 2% per month (24% per annum) will be charged on overdue accounts.
4. Federal and Provincial Taxes are extra. Any changes in tax regulation will be charged or credited accordingly.
5. The prices contained in this Price List are based on the use of Normal Portland Cement, with rubber gaskets complying with CSA A257.3 and ATSM C443. A premium will be added for any other type of Cement or Gasket.
6. Prices include delivery for truckload quantities within a 250 kilometre travel distance from our closest plant. Deliveries which exceed the set limit will be subject to a flat delivery charge. A truckload consists of a minimum of 32,000 kg and any order less than the minimum will be priced F.O.B. from our closest plant with delivery charges extra.
7. To ensure adequate service, no less than 24 hours notice should be given to enable proper scheduling of deliveries.
8. When delivery F.O.B. truck at jobsite is included in the price quoted, delivery shall be construed to mean motor truck delivery, as close to jobsite, designated storage area or to line of trench as is practical for loaded motor trucks and trailers operating under their own power without risk of accident, injury or undue delay. The Purchaser shall provide and maintain suitable access roads to project site for delivery of goods. Delivery beyond a point accessible to loaded trucks shall be at the risk of the purchaser.
9. The seller reserves the right to make an extra charge for unreasonable delay in unloading or releasing his vehicles. The seller shall not be responsible for any damages due to delays caused by the failure of transportation facilities, strikes, fire, labour difficulties, government regulations, war, flood, accident, material procurement difficulties or any caused beyond its control.
10. Prices are based on deliveries being made in normal daylight working hours.
11. Estimates are made on the condition that full delivery will be taken within six months from acceptance of order. Any goods delivered after that period will be subject to any increase in prices shown in our regular published price list in effect at the time of each delivery.
12. The purchaser will inspect all products for deficiencies. In order to avoid unnecessary costs and delays, special attention should be given to specialty or custom pieces. Defects or inaccuracies should be reported to the Seller immediately. The Seller will deliver new goods to the Purchaser at the site of the work. It is a condition of sale that this will be the limit of the Seller's liability and he will not be liable for any labour costs or other consequential damages.
13. SPECIAL PRECAST CONCRETE PRODUCTS ORDERED ARE NOT SUBJECT TO CANCELLATION. Stock items returned for credit will be subject to 25% handling charges or a minimum of \$25.00 charge. The items must meet the acceptance of the Seller and any damaged products will not be credited. Material pick up for credit will be subject to freight charges.
14. The Purchaser is reminded to verify all quantities, calculations, specifications etc. and the Seller assumes no liability in that regard.
15. No warranties, representations, conditions or agreements exist which are not set out in this price list.
16. If the financial responsibility of the Purchaser becomes unsatisfactory to the Seller, the Seller reserves the right to demand payment in advance or other security and if in default to cancel the unfilled portion of the contract.
17. Waiver of any one or more of the Terms and Conditions herein by the Seller shall not constitute a general waiver of Terms and Conditions and the Seller reserves the right to enforce any and all conditions not so waived. Any such waiver must be in writing.



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