Overfall Height (F) = 5.0 Feet
Notch Depth (H) = 1.8 Feet
Headwall Height (A) = 7.3 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 7.3 Feet
Sidewall Length (U) = 6.6 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
90	0.2	7	14.2	1.4	6.7	1	9	12'-9"	114.75	76.7	4	2	25'-10"	51.60	34.5
						2	18	3'-6"	63.00	42.1	5	2	21'-2"	42.40	28.3
						3	13	8'-0"	104.00	69.5					
90	0.2	8	14.2	0.7	7.1	1	10	12'-7"	125.50	83.8	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	22'-2"	44.40	29.7
						3	13	9'-0"	117.00	78.2					
100	0.2	7	15.8	2.2	6.9	1	9	13'-7"	122.00	81.5	4	2	25'-10"	51.60	34.5
						2	18	3'-6"	63.00	42.1	5	2	21'-2"	42.40	28.3
						3	14	8'-0"	112.00	74.8					
100	0.2	8	15.8	1.5	7.3	1	10	13'-4"	133.50	89.2	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	22'-2"	44.40	29.7
						3	14	9'-0"	126.00	84.2					
110	0.2	7	17.4	3.0	7.1	1	9	14'-4"	129.20	86.3	4	2	25'-10"	51.60	34.5
						2	18	3'-6"	63.00	42.1	5	2	21'-2"	42.40	28.3
						3	15	8'-0"	120.00	80.2					
110	0.2	8	17.4	2.3	7.5	1	10	14'-2"	141.50	94.5	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	22'-2"	44.40	29.7
						3	14	9'-0"	126.00	84.2					
110	0.2	10	17.4	0.7	8.4	1	12	13'-7"	162.60	108.6	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	24'-2"	48.40	32.3
						3	14	11'-0"	154.00	102.9					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 5.0 Feet
Notch Depth (H) = 1.8 Feet
Headwall Height (A) = 7.3 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 7.3 Feet
Sidewall Length (U) = 6.6 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
120	0.2	8	19.0	3.1	7.7	1	10	14'-11"	149.50	99.9	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	22'-2"	44.40	29.7
						3	15	9'-0"	135.00	90.2					
120	0.2	10	19	1.5	8.6	1	12	14'-4"	172.20	115.0	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	24'-2"	48.40	32.3
						3	15	11'-0"	165.00	110.2					
130	0.2	8	20.6	3.9	7.9	1	10	15'-9"	157.50	105.2	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	22'-2"	44.40	29.7
						3	16	9'-0"	144.00	96.2					
130	0.2	10	20.6	2.3	8.9	1	12	15'-2"	181.80	121.4	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	24'-2"	48.40	32.3
						3	15	11'-0"	165.00	110.2					
130	0.2	12	20.6	0.7	9.8	1	14	14'-7"	203.70	136.1	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	15	13'-0"	195.00	130.3					
140	0.2	10	22.2	3.1	9.1	1	12	15'-11"	191.40	127.9	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	24'-2"	48.40	32.3
						3	16	11'-0"	176.00	117.6					
140	0.2	12	22.2	1.5	10.1	1	14	15'-4"	214.90	143.6	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	16	13'-0"	208.00	138.9					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 5.0 Feet
Notch Depth (H) = 1.8 Feet
Headwall Height (A) = 7.3 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 7.3 Feet
Sidewall Length (U) = 6.6 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
150	0.2	10	23.8	3.9	9.4	1	12	16'–9"	201.00	134.3	4	2	28'–10"	57.60	38.5
						2	24	3'–6"	84.00	56.1	5	2	24'–2"	48.40	32.3
						3	17	11'–0"	187.00	124.9					
150	0.2	12	23.8	2.3	10.4	1	14	16'–2"	226.10	151.0	4	2	30'–10"	61.60	41.1
						2	28	3'–6"	98.00	65.5	5	2	26'–2"	52.40	35.0
						3	16	13'–0"	208.00	138.9					
150	0.2	14	23.8	0.8	11.3	1	16	15'–8	250.40	167.3	4	2	32'–10"	65.60	43.8
						2	32	3'–6"	112.00	74.8	5	2	28'–2"	56.40	37.7
						3	16	15'–0"	240.00	160.3					
165	0.2	10	25.4	4.7	9.6	1	12	17'–7	210.60	140.7	4	2	28'–10"	57.60	38.5
						2	24	3'–6"	84.00	56.1	5	2	24'–2"	48.40	32.3
						3	18	11'–0"	198.00	132.3					
165	0.2	12	25.4	3.1	10.7	1	14	16'–11	237.30	158.5	4	2	30'–10"	61.60	41.1
						2	28	3'–6"	98.00	65.5	5	2	26'–2"	52.40	35.0
						3	17	13'–0"	221.00	147.6					
165	0.2	14	25.4	1.6	11.6	1	16	16'–5"	263.20	175.8	4	2	32'–10"	65.60	43.8
						2	32	3'–6"	112.00	74.8	5	2	28'–2"	56.40	37.7
						3	17	15'–0"	255.00	170.3					
175	0.2	12	27.0	3.9	11.0	1	14	17'–9"	248.50	166.0	4	2	30'–10"	61.60	41.1
						2	28	3'–6"	98.00	65.5	5	2	26'–2"	52.40	35.0
						3	18	13'–0"	234.00	156.3					

For Use With
Drawing IL–ENG–123

Overfall Height (F) = 5.0 Feet
Notch Depth (H) = 1.8 Feet
Headwall Height (A) = 7.3 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 7.3 Feet
Sidewall Length (U) = 6.6 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
175	0.2	14	27.0	2.4	12	1	16	17'-3"	276.00	184.4	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	17	15'-0"	255.00	170.3	6				
175	0.2	16	27.0	0.8	12.9	1	18	16'-8"	299.70	200.2	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	17	17'-0"	289.00	193.1	6				
185	0.2	12	28.6	4.7	11.3	1	14	18'-7"	259.70	173.5	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	19	13'-0"	247.00	165.0	6				
185	0.2	14	28.6	3.2	12.3	1	16	18'-1"	288.80	192.9	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	18	15'-0"	270.00	180.4	6				
185	0.2	16	28.6	1.6	13.3	1	18	17'-6"	314.10	209.8	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	18	17'-0"	306.00	204.4	6				
195	0.2	12	30.2	5.5	11.6	1	14	19'-4"	270.90	181.0	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	20	13'-0"	260.00	173.7	6				
195	0.2	14	30.2	4.0	12.7	1	16	18'-10"	301.60	201.5	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	19	15'-0"	285.00	190.4	6				

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 5.0 Feet
Notch Depth (H) = 1.8 Feet
Headwall Height (A) = 7.3 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 7.3 Feet
Sidewall Length (U) = 6.6 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
195	0.2	16	30.2	2.4	13.8	1	18	18'-3"	328.50	219.4	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	18	17'-0"	306.00	204.4					
195	0.2	18	30.2	0.8	14.6	1	20	17'-8"	353.00	235.8	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	18	19'-0"	342.00	228.5					
205	0.2	14	31.8	4.8	13.0	1	16	19'-8"	314.40	210.0	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	20	15'-0"	300.00	200.4					
205	0.2	16	31.8	3.2	14.1	1	18	19'-1"	342.90	229.1	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	19	17'-0"	323.00	215.8					
205	0.2	18	31.8	1.6	15.0	1	20	18'-6"	369.00	246.5	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	19	19'-0"	361.00	241.1					
215	0.2	14	33.4	5.6	13.4	1	16	20'-6"	327.20	218.6	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	21	15'-0"	315.00	210.4					
215	0.2	16	33.4	4.0	14.4	1	18	19'-10"	357.30	238.7	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	20	17'-0"	340.00	227.1					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 5.0 Feet
Notch Depth (H) = 1.8 Feet
Headwall Height (A) = 7.3 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 7.3 Feet
Sidewall Length (U) = 6.6 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
215	0.2	18	33.4	2.4	15.5	1	20	19'-3"	385.00	257.2	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	19	19'-0"	361.00	241.1					
215	0.2	20	33.4	0.8	16.4	1	22	18'-8"	410.30	274.1	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	19	21'-0"	399.00	266.5					
225	0.2	14	35.0	6.4	13.7	1	16	21'-3"	340.00	227.1	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	21	15'-0"	315.00	210.4					
225	0.2	16	35.0	4.8	14.8	1	18	21'-8"	371.70	248.3	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	21	17'-0"	357.00	238.5					
225	0.2	18	35.0	3.2	15.9	1	20	20'-1"	401.00	267.9	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	20	19'-0"	380.00	253.8					
225	0.2	20	35.0	1.7	17.0	1	22	19'-7"	430.10	287.3	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	20	21'-0"	420.00	280.6					
235	0.2	16	36.6	5.6	15.2	1	18	21'-6"	386.10	257.9	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	22	17'-0"	374.00	249.8					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 5.0 Feet
Notch Depth (H) = 1.8 Feet
Headwall Height (A) = 7.3 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 7.3 Feet
Sidewall Length (U) = 6.6 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
235	0.2	18	36.6	4.0	16.3	1	20	20'-10"	417.00	278.6	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	21	19'-0"	399.00	266.5					
235	0.2	20	36.6	2.5	17.5	1	22	20'-4"	447.70	299.1	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	21	21'-0"	441.00	294.6					
245	0.2	16	38.3	6.4	15.6	1	18	22'-3"	400.50	267.5	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	22	17'-0"	374.00	249.8					
245	0.2	18	38.3	4.8	16.8	1	20	21'-8"	433.00	289.2	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	22	19'-0"	418.00	279.2					
245	0.2	20	38.3	3.3	17.9	1	22	21'-2"	465.30	310.8	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	21	21'-0"	441.00	294.6					
260	0.2	16	39.9	7.2	16.0	1	18	23'-1"	414.90	277.2	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	23	17'-0"	391.00	261.2					
260	0.2	18	39.9	5.6	17.2	1	20	22'-6"	449.00	299.9	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	23	19'-0"	437.00	291.9					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 5.0 Feet
Notch Depth (H) = 1.8 Feet
Headwall Height (A) = 7.3 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 7.3 Feet
Sidewall Length (U) = 6.6 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
260	0.2	20	39.9	4.1	18.4	1	22	21'-11"	482.90	322.6	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	22	21'-0"	462.00	308.6					
270	0.2	18	41.5	6.4	17.6	1	20	23'-3"	465.00	310.6	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	23	19'-0"	437.00	291.9					
270	0.2	20	41.5	4.9	18.9	1	22	22'-9"	500.50	334.3	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	23	21'-0"	483.00	322.6					
280	0.2	18	43.1	7.2	18.1	1	20	24'-1"	481.00	321.3	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	24	19'-0"	456.00	304.6					
280	0.2	20	43.1	5.7	19.4	1	22	23'-7"	518.10	346.1	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	24	21'-0"	504.00	336.7					
290	0.2	18	44.7	8.0	18.5	1	20	24'-10"	497.00	332.0	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	25	19'-0"	475.00	317.3					
290	0.2	20	44.7	6.5	19.8	1	22	24'-4"	535.70	357.8	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	25	21'-0"	525.00	350.7					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 5.0 Feet
Notch Depth (H) = 1.8 Feet
Headwall Height (A) = 7.3 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 7.3 Feet
Sidewall Length (U) = 6.6 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
300	0.2	18	46.3	8.8	18.9	1	20	25'-8"	513.00	342.7	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	26	19'-0"	494.00	330.0					
300	0.2	20	46.3	7.3	20.3	1	22	25'-2"	553.30	369.6	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	25	21'-0"	525.00	350.7					
310	0.2	20	47.9	8.1	20.8	1	22	25'-11"	570.90	381.4	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	26	21'-0"	546.00	364.7					
320	0.2	20	49.5	8.9	21.3	1	22	26'-9"	588.50	393.1	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	27	21'-0"	567.00	378.8					
330	0.2	20	51.1	9.7	21.8	1	22	27'-7"	606.10	404.9	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	28	21'-0"	588.00	392.8					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 1.6 Feet
Headwall Height (A) = 8.1 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.1 Feet
Sidewall Length (U) = 8.9 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
75	0.2	7	14.2	1.4	7.2	1	9	15'-1"	135.45	90.5	4	2	25'-10"	51.60	34.5
						2	18	3'-6"	63.00	42.1	5	2	21'-2"	42.40	28.3
						3	15	8'-0"	120.00	80.2					
75	0.2	8	14.2	0.7	7.7	1	10	14'-10"	148.50	99.2	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	22'-2"	44.40	29.7
						3	15	9'-0"	135.00	90.2					
85	0.2	7	15.8	2.2	7.4	1	9	15'-10"	142.65	95.3	4	2	25'-10"	51.60	34.5
						2	18	3'-6"	63.00	42.1	5	2	21'-2"	42.40	28.3
						3	16	8'-0"	128.00	85.5					
85	0.2	8	15.8	1.5	7.9	1	10	15'-8"	156.50	104.5	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	22'-2"	44.40	29.7
						3	16	9'-0"	144.00	96.2					
90	0.2	7	17.4	3.0	7.6	1	9	16'-8"	149.85	100.1	4	2	25'-10"	51.60	34.5
						2	18	3'-6"	63.00	42.1	5	2	21'-2"	42.40	28.3
						3	17	8'-0"	136.00	90.8					
90	0.2	8	17.4	2.3	8.1	1	10	16'-5"	164.50	109.9	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	22'-2"	44.40	29.7
						3	17	9'-0"	153.00	102.2					
90	0.2	10	17.4	0.7	9.1	1	12	15'-10"	190.20	127.1	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	24'-2"	48.40	32.3
						3	16	11'-0"	176.00	117.6					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 1.6 Feet
Headwall Height (A) = 8.1 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.1 Feet
Sidewall Length (U) = 8.9 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
100	0.2	8	19.0	3.1	8.3	1	10	17'-3"	172.50	115.2	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	22'-2"	44.40	29.7
						3	17	9'-0"	153.00	102.2					
100	0.2	10	19.0	1.5	9.4	1	12	16'-8"	199.80	133.5	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	24'-2"	48.40	32.3
						3	17	11'-0"	187.00	124.9					
110	0.2	8	20.6	3.9	8.6	1	10	18'-1"	180.50	120.6	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	22'-2"	44.40	29.7
						3	18	9'-0"	162.00	108.2					
110	0.2	10	20.6	2.3	9.6	1	12	17'-5"	209.40	139.9	4	2	28'-10"	27.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	24'-2"	48.40	32.3
						3	18	11'-0"	198.00	132.3					
110	0.2	12	20.6	0.7	10.6	1	14	16'-10"	235.90	157.6	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	17	13'-0"	221.00	147.6					
120	0.2	10	22.2	3.1	9.9	1	12	18'-3"	219.00	146.3	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	24'-2"	48.40	32.3
						3	18	11'-0"	198.00	132.3					
120	0.2	12	22.2	1.5	10.9	1	14	17'-8"	247.10	165.1	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	18	13'-0"	234.00	156.3					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 1.6 Feet
Headwall Height (A) = 8.1 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.1 Feet
Sidewall Length (U) = 8.9 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
125	0.2	10	23.8	3.9	10.1	1	12	19'-1"	228.60	152.7	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	24'-2"	48.40	32.3
						3	19	11'-0"	209.00	139.6					
125	0.2	12	23.8	2.3	11.2	1	14	18'-5"	258.30	172.5	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	19	13'-0"	247.00	165.0					
125	0.2	14	23.8	0.8	12.3	1	16	17'-11"	287.20	191.8	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	18	15'-0"	270.00	180.4					
135	0.2	10	25.4	4.7	10.4	1	12	19'-10'	238.20	159.1	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	24'-2"	48.40	32.3
						3	20	11'-0"	220.00	147.0					
135	0.2	12	25.4	3.1	11.5	1	14	19'-3"	269.50	180.0	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	19	13'-0"	247.00	165.0					
135	0.2	14	25.4	1.6	12.6	1	16	18'-9"	300.00	200.4	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	19	15'-0"	285.00	190.4					
145	0.2	12	27.0	3.9	11.8	1	14	20'-1"	280.70	187.5	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	20	13'-0"	260.00	173.7					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 1.6 Feet
Headwall Height (A) = 8.1 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.1 Feet
Sidewall Length (U) = 8.9 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
145	0.2	14	27.0	2.4	13.0	1	16	19'-7"	312.80	209.0	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	20	15'-0"	300.00	200.4					
145	0.2	16	27.0	0.8	14.0	1	18	18'-11"	341.10	227.9	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	19	17'-0"	323.00	215.8					
155	0.1	12	28.6	4.7	12.1	1	14	20'-10"	291.90	195.0	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	21	13'-0"	273.00	182.4					
155	0.1	14	28.6	3.2	13.3	1	16	20'-4"	325.60	217.5	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	21	15'-0"	315.00	210.4					
155	0.1	16	28.6	1.6	14.4	1	18	19'-9"	355.50	237.5	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	20	17'-0"	340.00	227.1					
165	0.1	12	30.2	5.5	12.4	1	14	21'-8"	303.10	202.5	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	26'-2"	52.40	35.0
						3	22	13'-0"	286.00	191.0					
165	0.1	14	30.2	4.0	13.7	1	16	21'-2"	338.40	226.1	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	21	15'-0"	315.00	210.4					

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 1.6 Feet
Headwall Height (A) = 8.1 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.1 Feet
Sidewall Length (U) = 8.9 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
165	0.1	16	30.2	2.4	14.8	1	18	20'-7"	369.90	247.1	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	21	17'-0"	357.00	238.5					
165	0.1	18	30.2	0.8	15.9	1	20	19'-11"	399.00	266.5	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	20	19'-0"	380.00	253.8					
170	0.2	14	31.8	4.8	14.0	1	16	21'-11"	351.20	234.6	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	22	15'-0"	330.00	220.4					
170	0.2	16	31.8	3.2	15.2	1	18	21'-4"	384.30	256.7	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	22	17'-0"	374.00	249.8					
170	0.2	18	31.8	1.6	16.3	1	20	20'-9"	415.00	277.2	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	21	19'-0"	399.00	266.5					
180	0.2	14	33.4	5.6	14.3	1	16	22'-9"	364.00	243.2	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	23	15'-0"	345.00	230.5					
180	0.1	16	31.8	3.2	15.2	1	18	21'-4"	384.30	256.7	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	22	17'-0"	374.00	249.8					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 1.6 Feet
Headwall Height (A) = 8.1 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.1 Feet
Sidewall Length (U) = 8.9 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
180	0.2	18	33.4	2.4	16.7	1	20	21'-7"	431.00	287.9	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	22	19'-0"	418.00	279.2					
180	0.2	20	33.4	0.8	17.8	1	22	20'-11"	460.90	307.9	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	21	21'-0"	441.00	294.6					
190	0.1	14	35.0	6.4	14.7	1	16	23'-7"	376.80	251.7	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	28'-2"	56.40	37.7
						3	24	15'-0"	360.00	240.5					
190	0.1	16	35.0	4.8	16.0	1	18	22'-11"	413.10	276.0	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	23	17'-0"	391.00	261.2					
190	0.3	18	35.0	3.2	17.2	1	20	22'-4"	447.00	298.6	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	23	19'-0"	437.00	291.9					
190	0.1	20	35.0	1.7	18.4	1	22	21'-10"	480.70	321.1	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	22	21'-0"	462.00	308.6					
200	0.1	16	36.6	5.6	16.3	1	18	23'-9"	427.50	285.6	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	24	17'-0"	408.00	272.5					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 1.6 Feet
Headwall Height (A) = 8.1 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.1 Feet
Sidewall Length (U) = 8.9 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
200	0.1	18	36.6	4.0	17.6	1	20	23'-2"	463.00	309.3	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	23	19'-0"	437.00	291.9					
200	0.1	20	36.6	2.5	18.8	1	22	22'-8"	498.30	332.9	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	23	21'-0"	483.00	322.6					
205	0.2	16	38.3	6.4	16.7	1	18	24'-7"	441.90	295.2	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	25	17'-0"	425.00	283.9					
205	0.2	18	38.3	4.8	18.0	1	20	23'-11"	479.00	320.0	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	24	19'-0"	456.00	304.6					
205	0.2	20	38.3	3.3	19.3	1	22	23'-5"	515.90	344.6	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	24	21'-0"	504.00	336.7					
215	0.2	16	39.9	7.2	17.1	1	18	25'-4"	456.30	304.8	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	30'-2"	60.40	40.3
						3	26	17'-0"	442.00	295.3					
215	0.2	18	39.9	5.6	18.5	1	20	24'-9"	495.00	330.7	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	25	19'-0"	475.00	317.3					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 1.6 Feet
Headwall Height (A) = 8.1 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.1 Feet
Sidewall Length (U) = 8.9 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
215	0.2	20	39.9	4.1	19.8	1	22	24'-3"	533.50	356.4	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	24	21'-0"	504.00	336.7					
225	0.1	18	41.5	6.4	18.9	1	20	25'-7"	511.00	341.3	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	26	19'-0"	494.00	330.0					
225	0.1	20	41.5	4.9	20.3	1	22	25'-1"	551.10	368.1	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	25	21'-0"	525.00	350.7					
235	0.1	18	43.1	7.2	19.3	1	20	26'-4"	527.00	352.0	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	27	19'-0"	513.00	342.7					
235	0.1	20	43.1	5.7	20.7	1	22	25'-10"	568.70	379.9	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	26	21'-0"	546.00	364.7					
240	0.2	18	44.7	8.0	19.8	1	20	27'-2"	543.00	362.7	4	2	36'-10"	73.60	51.8
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	27	19'-0"	513.00	342.7					
240	0.2	20	44.7	6.5	21.2	1	22	26'-8"	586.30	391.6	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	27	21'-0"	567.00	378.8					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 1.6 Feet
Headwall Height (A) = 8.1 feet
Headwall Length (S) = 6.6 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.1 Feet
Sidewall Length (U) = 8.9 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
250	0.2	18	46.3	8.8	20.2	1	20	27'-11"	559.00	373.4	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	32'-2"	64.40	43.0
						3	28	19'-0"	532.00	355.4					
250	0.2	20	46.3	7.3	21.7	1	22	27'-5"	603.90	403.4	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	28	21'-0"	588.00	392.8					
260	0.1	20	47.9	8.1	22.2	1	22	28'-3"	621.50	415.2	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	28	21'-0"	588.00	392.8					
270	0.1	20	49.5	8.9	22.7	1	22	29'-1"	639.10	426.9	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	29	21'-0"	609.00	406.8					
275	0.2	20	51.1	9.7	23.1	1	22	29'-10"	656.70	438.7	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	34'-2"	68.40	45.7
						3	30	21'-0"	630.00	420.8					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 2.4 Feet
Headwall Height (A) = 8.9 feet
Headwall Length (S) = 8.9 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.9 Feet
Sidewall Length (U) = 11.3 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
140	0.2	7	14.2	1.4	8.2	1	9	17'-5"	157.05	104.9	4	2	25'-10"	51.60	34.5
						2	18	3'-6"	63.00	42.1	5	2	25'-10"	51.60	34.5
						3	18	8'-0"	144.00	96.2					
140	0.2	8	14.2	0.7	8.7	1	10	17'-3"	172.50	115.2	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	26'-10"	53.60	35.8
						3	17	9'-0"	153.00	102.2					
155	0.2	7	15.8	2.2	8.4	1	9	18'-3"	164.25	109.7	4	2	25'-10"	51.60	34.5
						2	18	3'-6"	63.00	42.1	5	2	25'-10"	51.60	34.5
						3	18	8'-0"	144.00	96.2					
155	0.2	8	15.8	1.5	8.9	1	10	18'-1"	180.50	120.6	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	26'-10"	53.60	35.8
						3	18	9'-0"	162.00	108.2					
170	0.3	7	17.4	3.0	8.5	1	9	19'-1"	171.45	114.5	4	2	25'-10"	51.60	34.5
						2	18	3'-6"	63.00	42.1	5	2	25'-10"	51.60	34.5
						3	19	8'-0"	152.00	101.5					
170	0.3	8	17.4	2.3	9.1	1	10	18'-10"	188.50	125.9	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	26'-10"	53.60	35.8
						3	19	9'-0"	171.00	114.2					
170	0.3	10	17.4	0.7	10.3	1	12	18'-3"	219.00	146.3	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	28'-10"	57.60	38.5
						3	18	11'-0"	198.00	132.3					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 2.4 Feet
Headwall Height (A) = 8.9 feet
Headwall Length (S) = 8.9 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.9 Feet
Sidewall Length (U) = 11.3 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
185	0.3	8	19.0	3.1	9.4	1	10	19'-8"	196.50	131.3	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	26'-10"	53.60	35.8
						3	20	9'-0"	180.00	120.2					
185	0.3	10	19.0	1.5	10.5	1	12	19'-1"	228.60	152.7	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	28'-10"	57.60	38.5
						3	19	11'-0"	209.00	139.6					
205	0.2	8	20.6	3.9	9.6	1	10	20'-5"	204.50	136.6	4	2	26'-10"	53.60	35.8
						2	20	3'-6"	70.00	46.8	5	2	26'-10"	53.60	35.8
						3	21	9'-0"	189.00	126.3					
205	0.2	10	20.6	2.3	10.8	1	12	19'-10"	238.20	159.1	4	2	28'-8"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	28'-8"	57.60	38.5
						3	20	11'-0"	220.00	147.0					
205	0.2	12	20.6	0.7	11.9	1	14	19'-3"	269.50	180.0	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	30'-10"	61.60	41.1
						3	19	13'-0"	247.00	165.0					
220	0.2	10	22.2	3.1	11.0	1	12	20'-8"	247.80	165.5	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	28'-10"	57.60	38.5
						3	21	11'-0"	231.00	154.3					
220	0.2	12	22.2	1.5	12.2	1	14	20'-1"	280.70	187.5	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	30'-10"	61.60	41.1
						3	20	13'-0"	260.00	173.7					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 2.4 Feet
Headwall Height (A) = 8.9 feet
Headwall Length (S) = 8.9 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.9 Feet
Sidewall Length (U) = 11.3 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
235	0.2	10	23.8	3.9	11.3	1	12	21'-5"	257.40	171.9	4	2	28'-10"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	28'-10"	57.60	38.5
						3	22	11'-0"	242.00	161.7					
235	0.2	12	23.8	2.3	12.5	1	14	20'-10"	291.90	195.0	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	30'-10"	61.60	41.1
						3	21	13'-0"	273.00	182.4					
235	0.2	14	23.8	0.8	13.7	1	16	20'-4"	325.60	217.5	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	32'-10"	65.60	43.8
						3	21	15'-0"	315.00	210.4					
250	0.2	10	25.4	4.7	11.5	1	12	22'-3"	267.00	178.4	4	2	28'-8"	57.60	38.5
						2	24	3'-6"	84.00	56.1	5	2	28'-8"	57.60	38.5
						3	22	11'-0"	242.00	161.7					
250	0.2	12	25.4	3.1	12.8	1	14	21'-8"	303.10	202.5	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	30'-10"	61.60	41.1
						3	22	13'-0"	286.00	191.0					
250	0.2	14	25.4	1.6	14.0	1	16	21'-2"	338.40	226.1	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	32'-10"	65.60	43.8
						3	21	15'-0"	315.00	210.4					
270	0.2	12	27.0	3.9	13.1	1	14	22'-5"	314.30	210.0	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	30'-10"	61.60	41.1
						3	23	13'-0"	299.00	199.7					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 2.4 Feet
Headwall Height (A) = 8.9 feet
Headwall Length (S) = 8.9 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.9 Feet
Sidewall Length (U) = 11.3 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
270	0.2	14	27.0	2.4	14.4	1	16	21'-11"	351.20	234.6	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	32'-10"	65.60	43.8
						3	22	15'-0"	330.00	220.4					
270	0.2	16	27.0	0.8	15.6	1	18	21'-4"	384.30	256.7	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	34'-10"	69.60	46.5
						3	22	17'-0"	374.00	249.8					
285	0.2	12	28.6	4.7	13.4	1	14	23'-3"	325.50	217.4	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	30'-10"	61.60	41.1
						3	23	13'-0"	299.00	199.7					
285	0.2	14	28.6	3.2	14.7	1	16	22'-9"	364.00	243.2	4	2	32'-8"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	32'-8"	65.60	43.8
						3	23	15'-0"	345.00	230.5					
285	0.2	16	28.6	1.6	16.0	1	18	22'-2"	398.70	266.3	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	34'-10"	69.60	46.5
						3	22	17'-0"	374.00	249.8					
300	0.2	12	30.2	5.5	13.7	1	14	24'-1"	336.70	224.9	4	2	30'-10"	61.60	41.1
						2	28	3'-6"	98.00	65.5	5	2	30'-10"	61.60	41.1
						3	24	13'-0"	312.00	208.4					
300	0.2	14	30.2	4.0	15.1	1	16	23'-7"	376.80	251.7	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	32'-10"	65.60	43.8
						3	24	15'-0"	360.00	240.5					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 2.4 Feet
Headwall Height (A) = 8.9 feet
Headwall Length (S) = 8.9 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.9 Feet
Sidewall Length (U) = 11.3 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
300	0.2	16	30.2	2.4	16.3	1	18	22'-11"	413.10	276.0	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	32'-10"	69.60	46.5
						3	23	17'-0"	391.00	261.2					
300	0.2	18	30.2	0.8	17.5	1	20	22'-4"	447.00	298.6	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-10"	73.60	49.2
						3	23	19'-0"	437.00	291.9					
315	0.2	14	31.8	4.8	15.4	1	16	24'-4"	389.60	260.3	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	32'-10"	65.60	43.8
						3	25	15'-0"	375.00	250.5					
315	0.2	16	31.8	3.2	16.7	1	18	23'-9"	427.50	285.6	4	2	34'-8"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	34'-8"	69.60	46.5
						3	24	17'-0"	408.00	272.5					
315	0.2	18	31.8	1.6	18.0	1	20	23'-2"	463.00	309.3	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-10"	73.60	49.2
						3	23	19'-0"	437.00	291.9					
335	0.2	14	33.4	5.6	15.8	1	16	25'-2"	402.40	268.8	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	32'-10"	65.60	43.8
						3	25	15'-0"	375.00	250.5					
335	0.2	16	33.4	4.0	17.1	1	18	24'-7"	441.90	295.2	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	34'-10"	69.60	46.5
						3	25	17'-0"	425.00	283.9					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 2.4 Feet
Headwall Height (A) = 8.9 feet
Headwall Length (S) = 8.9 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.9 Feet
Sidewall Length (U) = 11.3 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
335	0.2	18	33.4	2.4	18.4	1	20	23'-11"	479.00	320.0	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-10"	73.60	49.2
						3	24	19'-0"	456.00	304.6					
335	0.2	20	33.4	0.8	19.6	1	22	23'-4"	513.70	343.2	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	24	21'-0"	504.00	336.7					
350	0.2	14	35.0	6.4	16.1	1	16	25'-11'	415.20	277.4	4	2	32'-10"	65.60	43.8
						2	32	3'-6"	112.00	74.8	5	2	32'-10"	65.60	43.8
						3	26	15'-0"	390.00	260.5					
350	0.2	16	35.0	4.8	17.5	1	18	25'-4"	456.30	304.8	4	2	34'-8"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	34'-8"	69.60	46.5
						3	26	17'-0"	442.00	295.3					
350	0.2	18	35.0	3.2	18.8	1	20	24'-9"	495.00	330.7	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-10"	73.60	49.2
						3	25	19'-0"	475.00	317.3					
350	0.2	20	35.0	1.7	20.2	1	22	24'-3"	533.50	356.4	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	24	21'-0"	504.00	336.7					
365	0.2	16	36.6	5.6	17.9	1	18	26'-2"	470.70	314.4	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	34'-10"	69.60	46.5
						3	26	17'-0"	442.00	295.3					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 2.4 Feet
Headwall Height (A) = 8.9 feet
Headwall Length (S) = 8.9 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.9 Feet
Sidewall Length (U) = 11.3 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
365	0.2	18	36.6	4.0	19.3	1	20	25'-7"	511.00	341.3	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-10"	73.60	49.2
						3	26	19'-0"	494.00	330.0					
365	0.2	20	36.6	2.5	20.6	1	22	25'-1"	551.10	368.1	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	25	21'-0"	525.00	350.7					
380	0.2	16	38.3	6.4	18.3	1	18	26'-11'	485.10	324.0	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	34'-10"	69.60	46.5
						3	27	17'-0"	459.00	306.6					
380	0.2	18	38.3	4.8	19.7	1	20	26'-4"	527.00	352.0	4	2	36'-8"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-8"	73.60	49.2
						3	27	19'-0"	513.00	342.7					
380	0.2	20	38.3	3.3	21.1	1	22	25'-10"	568.70	379.9	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	26	21'-0"	546.00	364.7					
400	0.2	16	39.9	7.2	18.7	1	18	27'-9"	499.50	333.7	4	2	34'-10"	69.60	46.5
						2	36	3'-6"	126.00	84.2	5	2	34'-10"	69.60	46.5
						3	28	17'-0"	476.00	318.0					
400	0.2	18	39.9	5.6	20.1	1	20	27'-2"	543.00	362.7	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-10"	73.60	49.2
						3	27	19'-0"	513.00	342.7					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 2.4 Feet
Headwall Height (A) = 8.9 feet
Headwall Length (S) = 8.9 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.9 Feet
Sidewall Length (U) = 11.3 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
400	0.2	20	39.9	4.1	21.6	1	22	26'-8"	586.30	391.6	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	27	21'-0"	567.00	378.8					
415	0.2	18	41.5	6.4	20.6	1	20	27'-11"	559.00	373.4	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-10"	73.60	49.2
						3	28	19'-0"	532.00	355.4					
415	0.2	20	41.5	4.9	22.1	1	22	27'-5'	603.90	403.4	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	28	21'-0"	588.00	392.8					
430	0.2	18	43.1	7.2	21.0	1	20	28'-9"	575.00	384.1	4	2	36'-8"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-8"	73.60	49.2
						3	29	19'-0"	551.00	368.1					
430	0.2	20	43.1	5.7	22.6	1	22	28'-3"	621.50	415.2	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	28	21'-0"	588.00	392.8					
445	0.2	18	44.7	8.0	21.4	1	20	29'-11"	591.00	394.8	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-10"	73.60	49.2
						3	30	19'-0"	570.00	380.8					
445	0.2	20	44.7	6.5	23.0	1	22	29'-1"	639.10	426.9	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	29	21'-0"	609.00	406.8					

For Use With
Drawing IL-ENG-123

Overfall Height (F) = 6.0 Feet
Notch Depth (H) = 2.4 Feet
Headwall Height (A) = 8.9 feet
Headwall Length (S) = 8.9 Feet

FABRICATED CORRUGATED ALUMINUM DOUBLE WINGWALL TOEWALL DROP SPILLWAY GENERAL LAYOUT

Wingwall Height (C) = 4.6 Feet
Wingwall Length (T) = 8.9 Feet
Sidewall Height (V) = 8.9 Feet
Sidewall Length (U) = 11.3 Feet

CAPACITY	FREEBOARD	NOTCH WIDTH	WEIR LENGTH	LEG LENGTH	CONCRETE	STEEL SCHEDULE (#4 Rebars)									
						MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)	MARK	QTY	BAR LENGTH	TOTAL LENGTH (ft.)	WEIGHT (lb.)
Q=Cfs.	f=Ft.	W=FT.	L=Ft.	B=Ft.	q=C.Y.										
465	0.2	18	46.3	8.8	21.9	1	20	30'-4"	607.00	405.5	4	2	36'-10"	73.60	49.2
						2	40	3'-6"	140.00	93.5	5	2	36'-10"	73.60	49.2
						3	31	19'-0"	589.00	393.5					
465	0.2	20	46.3	7.3	23.5	1	22	29'-10"	656.70	438.7	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	30	21'-0"	630.00	420.8					
480	0.2	20	47.9	8.1	24.0	1	22	30'-8'	674.30	450.4	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	31	21'-0"	651.00	434.9					
495	0.2	20	49.5	8.9	24.5	1	22	31'-5"	691.90	462.2	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	32	21'-0"	672.00	448.9					
510	0.2	20	51.1	9.7	24.9	1	22	32'-3"	709.50	473.9	4	2	38'-10"	77.60	51.8
						2	44	3'-6"	154.00	102.9	5	2	38'-10"	77.60	51.8
						3	32	21'-0"	672.00	448.9					
						1					4				
						2					5				
						3					6				
						1					4				
						2					5				
						3					6				

For Use With
Drawing IL-ENG-123