REINFORCEMENT SCHEDULE

MARK	SIZE	LENGTH	BENDING DIAGRAM	NO. REQ'D	WT. EACH	TOTAL WEIGHT	LOCATION OF BAR
			Reinforcement in Roof Slab				
			5'-7" a 5'-7", 2½", 4" — Type DA				
0418-0DA	½"ϕ	18'-0"	a = 6'-2"	67	12.0	804	Roof slab
0417-3DA	½"ϕ	17'-3"	a = 5'-5"	44	11.5	506	do
0410-6	½"ϕ	10'-6"	Straight	68	7.0	476	do
0426-6	½"ϕ	26'-6"	do	50	17.7	885	do
0425-3	½"ϕ	25'-3"	do	13	16.9	220	do
049-9	½"ϕ	9'-9"	do	51	6.5	332	do
049-0	½"ϕ	9'-0"	do	44	6.0	264	do
0426-3	½"ϕ	26'-3"	do	10	17.5	175	do
0413-6	½"ϕ	13'-6"	do	7	9.0	63	do
0414-9DC	½"ϕ	14'-9"	2'-1", 4'-11", 5'-7", 10½", 4", 6", 3", 24" — Type DC	42	9.9	416	do
0412-6	½"ϕ	12'-6"	Straight	7	8.4	59	do
048-6	½"ϕ	8'-6"	do	7	5.7	40	do
047-6	½"ϕ	7'-6"	do	7	5.0	35	do
045-0	½"ϕ	5'-0"	do	27	3.3	89	do
044-0	½"ϕ	4'-0"	do	75	2.7	203	do
045-0KB	½"ϕ	5'-0"	2'-9", 10½", 6½" — Type KB	58	3.3	191	do
0410-9	½"ϕ	10'-9"	Straight	3	7.2	22	Cantilever overhang
052-0	⅝"ϕ	2'-0"	do	72	2.1	151	Exhaust cradle dowels
			5'-7", a, b, 4", 2½", 1" rad. — Type DE				
0415-3DE	½"ϕ	15'-3"	a = 6'-2", b = 2'-5"	1	10.2	10	At ventilator
0412-9DE	½"ϕ	12'-9"	a = 5'-5", b = 0'-8"	2	8.5	17	do
043-6AA	½"ϕ	3'-6"	3'-1", 1" rad. — Type AA	2	2.3	5	do
			a, b — Type BA				
0410-6BA	½"ϕ	10'-6"	a = 8'-6", b = 2'-1"	3	7.0	21	do
043-6BA	½"ϕ	3'-6"	a = 1'-9", b = 1'-9"	12	2.3	28	do
043-9BA	½"ϕ	3'-9"	a = 2'-2", b = 1'-8"	6	2.5	15	do
044-3BA	½"ϕ	4'-3"	a = 0'-9", b = 3'-7"	3	2.8	9	do
046-0	½"ϕ	6'-0"	Straight	5	4.0	20	do
0411-9	½"ϕ	11'-9"	do	2	7.8	16	do
0412-9	½"ϕ	12'-9"	do	2	8.5	17	do
Total weight on this sheet - Item 12 = 5,089 pounds.							

MARK	SIZE	LENGTH	BENDING DIAGRAM	NO. REQ'D	WT. EACH	TOTAL WEIGHT	LOCATION OF BAR
			Reinforcement in Operating Floor Beams				
0819-9	1"ϕ	19'-9"	Straight	20	52.7	1054	Beam B1
0817-6	1"ϕ	17'-6"	do	16	46.7	747	Beam B2
			a — Type AA				
069-3AA	⅞"ϕ	9'-3"	a = 7'-11"	16	13.9	222	Beam B1
068-6AA	⅞"ϕ	8'-6"	a = 7'-2"	16	12.8	205	do
086-9AA	1"ϕ	6'-9"	a = 5'-1"	24	18.0	432	Beam B2
911-0AA	1⅛"□	11'-0"	a = 9'-2"	6	47.3	284	Beams B3 & B4
911-6AA	1⅛"□	11'-6"	a = 9'-8"	6	49.5	297	do
088-6AA	1"ϕ	8'-6"	a = 6'-10"	8	22.7	182	Beams B5 & B6
066-6AA	⅞"ϕ	6'-6"	a = 5'-2"	4	9.8	39	Beam B7
910-3AA	1⅛"□	10'-3"	a = 8'-5"	6	44.1	265	Beam B8
0823-0DF	1"ϕ	23'-0"	2'-6", 12'-1", 1'-11", 1'-9", 1'-2½" — Type DF	20	61.4	1228	Beam B1
935-0DF	1⅛"□	35'-0"	2'-10", 1'-8", 18'-11", 1'-8", 2'-10", 3'-6", 3½" — Type DF	21	150.6	3163	Beams B3, B4, & B8
			a, 10", 12'-10", 10", 2'-9", 1'-8", 1'-5" — Type DF				
0724-9DF	⅞"ϕ	24'-9"	a = 2'-11"	10	50.6	506	Beams B5 & B6
0624-3DF	¾"ϕ	24'-3"	a = 2'-8"	4	36.4	146	Beam B7
			a — Type AB				
931-6AB	1⅛"□	31'-6"	a = 28'-1"	21	135.5	2846	Beams B3, B4, & B8
0723-0AB	⅞"ϕ	23'-0"	a = 20'-1"	10	47.0	470	Beams B5 & B6
0622-9AB	¾"ϕ	22'-9"	a = 20'-1"	4	34.2	137	Beam B7
			a, 3" rad., a, b — Type GD				
035-0GD	⅜"ϕ	5'-0"	a = 1'-7" b = 1'-1"	168	1.9	319	Beam B1
036-0GD	⅜"ϕ	6'-0"	a = 2'-0" b = 1'-3"	80	2.3	184	Beam B2
034-11GD	⅜"ϕ	4'-11"	a = 1'-8" b = 0'-11"	60	1.8	108	Beams B5 & B6
034-9GD	⅜"ϕ	4'-9"	a = 1'-8" b = 0'-9"	12	1.8	22	Beam B7
049-9GD	½"ϕ	9'-9"	3'-7", 1" rad., 1'-9", 3'-7" — Type GD	140	6.5	910	Beams B3, B4, & B8

MARK	SIZE	LENGTH	BENDING DIAGRAM	NO. REQ'D	WT. EACH	TOTAL WEIGHT	LOCATION OF BAR
			Reinforcement in Operating Floor Slab				
0410-6	½"ϕ	10'-6"	Straight	18	7.0	126	Operating floor.
0511-9	⅝"ϕ	11'-9"	do	18	12.3	221	do.
0521-9DB	⅝"ϕ	21'-9"	9'-0", 6'-0", 2'-6", 9", 2'-9", 6½" — Type DB	18	22.7	409	do.
0428-6	½"ϕ	28'-6"	Straight	38	19.0	722	do.
057-0AA	⅝"ϕ	7'-0"	5'-10" — Type AA	31	7.3	226	do.
0518-3DG	⅝"ϕ	18'-3"	4'-4", 6'-0", 2'-6", 9", 2'-9", 6½" — Type DG	7	19.0	133	do.
0514-0	⅝"ϕ	14'-0"	Straight	7	14.6	102	do.
			a, b, a, 9", 6½" — Type DA				
0523-6DA	⅝"ϕ	23'-6"	a = 8'-9", b = 4'-6"	26	24.5	637	do.
0522-0DA	⅝"ϕ	22'-0"	a = 8'-6", b = 3'-6"	13	22.9	298	do.
0514-0DA	⅝"ϕ	14'-0"	a = 4'-1", b = 4'-4"	13	14.6	190	do.
0516-0	⅝"ϕ	16'-0"	Straight	24	16.7	401	do.
0419-9	½"ϕ	19'-9"	do.	62	13.2	818	do.
058-0	⅝"ϕ	8'-0"	do.	27	8.3	224	do.
0512-6	⅝"ϕ	12'-6"	do.	5	13.0	65	do.
0515-0DF	⅝"ϕ	15'-0"	3'-10", 3'-6", 3'-10", 9", 6½" — Type DF	6	15.6	94	do.
0514-6DB	⅝"ϕ	14'-6"	4'-0", 4'-2", 2'-1", 9", 2'-9", 6½" — Type DB	13	15.1	196	do.
058-9	⅝"ϕ	8'-9"	Straight	13	9.1	118	do.
0510-0	⅝"ϕ	10'-0"	do.	13	10.4	135	do.
0512-3DA	⅝"ϕ	12'-3"	3'-9", 3'-5", 3'-7", 9", 6½" — Type DA	6	12.8	77	do.
056-6	⅝"ϕ	6'-6"	Straight.	13	6.8	88	do.
Total weight on this sheet - Item 11 = 19,046 pounds.							

NOTES:

All bends to be made around a pin with a diameter of 8 times the diameter of the bar unless otherwise noted.

DATE	REVISION	REV. BY	CK. BY	AP. BY
12/31/45	As built revisions			

CONNECTICUT RIVER FLOOD CONTROL

NORTH MEADOWS PUMPING STATION

FISCAL YEAR 1939 SECTION

STEEL REINFORCEMENT NO. 1

HARTFORD, CONN.

CONNECTICUT RIVER . CONNECTICUT

IN 62 SHEETS | SCALE NOT TO SCALE | SHEET NO. 36

U. S. ENGINEER OFFICE, PROVIDENCE, R. I., FEB. 1939.

SUBMITTED: Harold B. Williams, SENIOR ENGINEER, HEAD, DESIGN SECTION

APPROVAL RECOMMENDED: J. S. Burns, PRINCIPAL ENGINEER, CHIEF, F.C. ENGINEERING DIV.

APPROVED: J. J. Graham, LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DESIGNED: E. M. Viner, ASSOC. ENGINEER

DRAWN BY: J.H.B

TRACED BY: J.McL.

CHECKED BY: J.H.B.

FILE NO: CT-4-1284