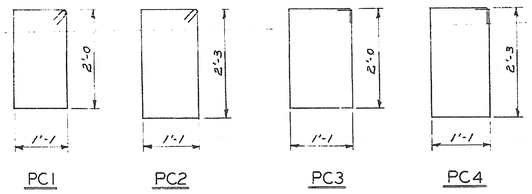
BEAMS – STEEL SCHEDULE

NO. BEAMS		8	10	30	6	6	17	6	19	10	19	6	40	19
BEAM TYPE		6X	6	5X	4X	4	3X	3	2X	2	1X	2	1	1
TOTAL lbS. REINF.		3,574	4,520	18,628	1,746	1,726	6,726	7,409	4,032	2655	21,350	2655	11,817	11,817
TOTAL CU.YDS. CONC		8.2	10.4	37.8	5.5	5.4	19.4	21.1	9.1	5.5	45.2	5.5	21.5	21.5
lbS. REINF. PER BEAM.		447	452	621	291	288	396	390	403	443	534	443	622	622
CU.YDS. CONC PER BEAM.		1.02	1.04	1.26	.91	.89	1.14	1.11	.91	.91	1.13	.91	1.13	1.13
STRAIGHT BARS	NO PER BEAM	4	4	4	4	4	4	4	4	4	4	4	4	4
	TOTAL NO.	32	32	120	24	24	68	76	40	24	160	24	160	76
	SIZE	#11	#11	#11	#9	#9	#10	#10	#10	#11	#11	#11	#11	#11
	LENGTH	9'-9	9'-9	11'-9	9'-9	9'-9	12'-0	11'-8	9'-9	9'-9	11'-9	9'-9	11'-9	11'-9
	MARK	11099	11099	11119	9099	9099	10120	10118	10099	11099	11119	11099	11119	11119
	NO PER BEAM	4	4	4	4	4	4	4	4	4	4	4	4	4
	TOTAL NO.	16	16	16	16	16	16	16	16	16	16	16	16	16
	SIZE	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8
	LENGTH	4'-9	4'-9	5'-6	4'-9	4'-9	5'-6	5'-6	4'-9	4'-9	5'-6	4'-9	5'-6	5'-6
	MARK	8049	8049	8056	8049	8049	8056	8056	8049	8049	8056	8049	8056	8056
	NO PER BEAM	2	2	2	2	2	2	2	2	2	2	2	2	2
	TOTAL NO.	8	8	8	8	12	8	8	8	8	8	8	8	8
	SIZE	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5
	LENGTH	10'-0	10'-0	10'-0	8'-0	8'-0	10'-0	10'-0	8'-0	8'-0	10'-0	8'-0	10'-0	10'-0
	MARK	5080	5100	5100	5080	5080	5100	5100	5080	5080	5100	5080	5100	5100
BENT BARS	NO PER BEAM	24	24	22	8	8	8	11	15	19	24	19	24	18
	TOTAL NO.	456	456	660	48	48	48	209	190	114	960	114	960	144
	SIZE	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5
	LENGTH	7'-0	7'-0	7'-6	7'-0	7'-0	7'-0	7'-0	7'-0	7'-0	7'-0	7'-0	7'-0	7'-6
	MARK	PC1	PC3	PC2	PC1	PC3	PC1	PC1	PC1	PC3	PC1	PC3	PC1	PC2
	NO PER BEAM	4	4	4	4	4	4	4	4	4	4	4	4	4
	TOTAL NO.	76	76	120	24	24	68	76	40	24	160	24	160	32
	SIZE	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8
	LENGTH	5'-6	5'-6	5'-6	4'-9	4'-9	5'-6	5'-6	4'-9	4'-9	5'-6	4'-9	5'-6	4'-9
	MARK	8056	8056	8056	8049	8049	8056	8056	8049	8049	8056	8049	8056	8049
	NO PER BEAM	2	2	2	2	2	2	2	2	2	2	2	2	2
	TOTAL NO.	8	8	12	8	12	8	8	8	8	8	8	8	8
	SIZE	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5
	LENGTH	10'-0	10'-0	10'-0	8'-0	8'-0	10'-0	10'-0	8'-0	8'-0	10'-0	8'-0	10'-0	10'-0
	MARK	5080	5100	5100	5080	5080	5100	5100	5080	5080	5100	5080	5100	5100

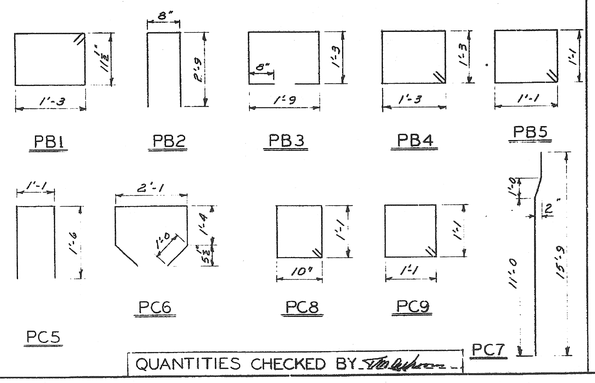


PC1 PC2 PC3 PC4

QUANTITIES CHECKED BY R. Samarche

COLUMNS – STEEL SCHEDULE

NO COLUMNS		45	45	54	55	42	28	12	90	16	142	18	147
COLUMN TYPE		A	C5	C4	C3	C2	C1	B3X	B3	B2X	B2	B1X	B1
TOTAL lbS. REINF.		15,349	13,551	16,262	16,563	12,648	8,432	5,077	39,254	6,866	62,787	9,679	80,962
TOTAL CU.YDS. CONC.		45	44	55	56	41	29	15	115	24	217	35	283
lbS. REINF. PER COLUMN		341	301	301	301	301	301	423	436	429	442	538	551
CU.YDS. CONC PER COLUMN		1.01	.97	1.02	1.01	.98	1.03	1.26	1.27	1.51	1.53	1.91	1.93
STRAIGHT BARS	NO PER COLUMN	2											
	TOTAL NO.	90											
	SIZE	#9											
	LENGTH	17'-6											
	MARK	9178											
	NO PER COLUMN	2											
	TOTAL NO.	90											
	SIZE	#11											
	LENGTH	16'-6											
	MARK	11166											
BENT BARS	NO PER COLUMN	14											
	TOTAL NO.	630											
	SIZE	#4											
	LENGTH	5'-0											
	MARK	PC9											
	NO PER COLUMN	6	6	6	6	6	6	4	4	4	4	4	4
	TOTAL NO.	270	180	324	330	252	168	144	360	192	568	432	1080
	SIZE	#4	#5	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4
	LENGTH	4'-0	6'-9	4'-0	4'-0	4'-0	4'-0	4'-0	5'-0	5'-0	5'-9	5'-3	5'-0
	MARK	PC5	PC6	PC5	PC5	PC5	PC5	PB5	PB5	PB4	PB4	PB1	PB5
	NO PER COLUMN	4	4	4	4	4	4	4	4	4	4	4	4
	TOTAL NO.	180	220	216	220	168	112	24	360	32	568	72	360
	SIZE	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#4	#5
	LENGTH	6'-9	6'-9	6'-9	6'-9	6'-9	6'-9	6'-3	6'-3	6'-3	6'-3	6'-3	6'-3
	MARK	PC6	PC6	PC6	PC6	PC6	PC6	PB2	PB2	PB2	PB2	PB2	PB2
	NO PER COLUMN	2	2	2	2	2	2	2	7	7	7	7	7
	TOTAL NO.	90	90	108	110	84	56	24	630	112	994	126	1029
	SIZE	#9	#9	#9	#9	#9	#9	#5	#4	#4	#4	#4	#4
	LENGTH	15'-9	15'-9	15'-9	15'-9	15'-9	15'-9	6'-9	5'-6	5'-6	5'-6	5'-6	5'-6
	MARK	PC7	PC7	PC7	PC7	PC7	PC7	PB3	PB3	PB3	PB3	PB3	PB3
	NO PER COLUMN	11	11	11	11	11	11	7	7	7	7	7	7
	TOTAL NO.	495	495	594	605	462	308	84	630	112	994	126	1029
	SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4
	LENGTH	5'-0	5'-0	5'-0	5'-0	5'-0	5'-0	5'-6	5'-6	5'-6	5'-6	5'-6	5'-6
	MARK	PC9	PC9	PC9	PC9	PC9	PC9	PB3	PB3	PB3	PB3	PB3	PB3



QUANTITIES CHECKED BY Thompson

NOTE TO CONTRACTOR

1. All straight reinforcement including bars marked PC7 shall be hard grade billet or rail steel - deformed bars. (Minimum yield point 50,000 p.s.i.)
2. Remaining reinforcement to be intermediate grade - deformed bars.

No.	REVISIONS	NAME	DATE

DEPARTMENT OF PUBLIC WORKS
CANADA
DEVELOPMENT ENGINEERING BRANCH
STRUCTURES DIVISION

SNOWSHEDS
GLACIER NATIONAL PARK

STEEL SCHEDULE
PRECAST BEAMS AND COLUMNS

JOB SUPERVISOR S. STAMER — DESIGN — CHECK
APPROVED — DATE 1/12/60 — DRAWN J.A.M. — CHECK
TRACED — CHECK
CHIEF-STRUCTURES DIVISION
APPROVED — DATE 1/12/60
CHIEF ENGINEER G.T. Clarke

PROJECT NO. SD 104-106-107-108

SHEET P7 OF 8

X30