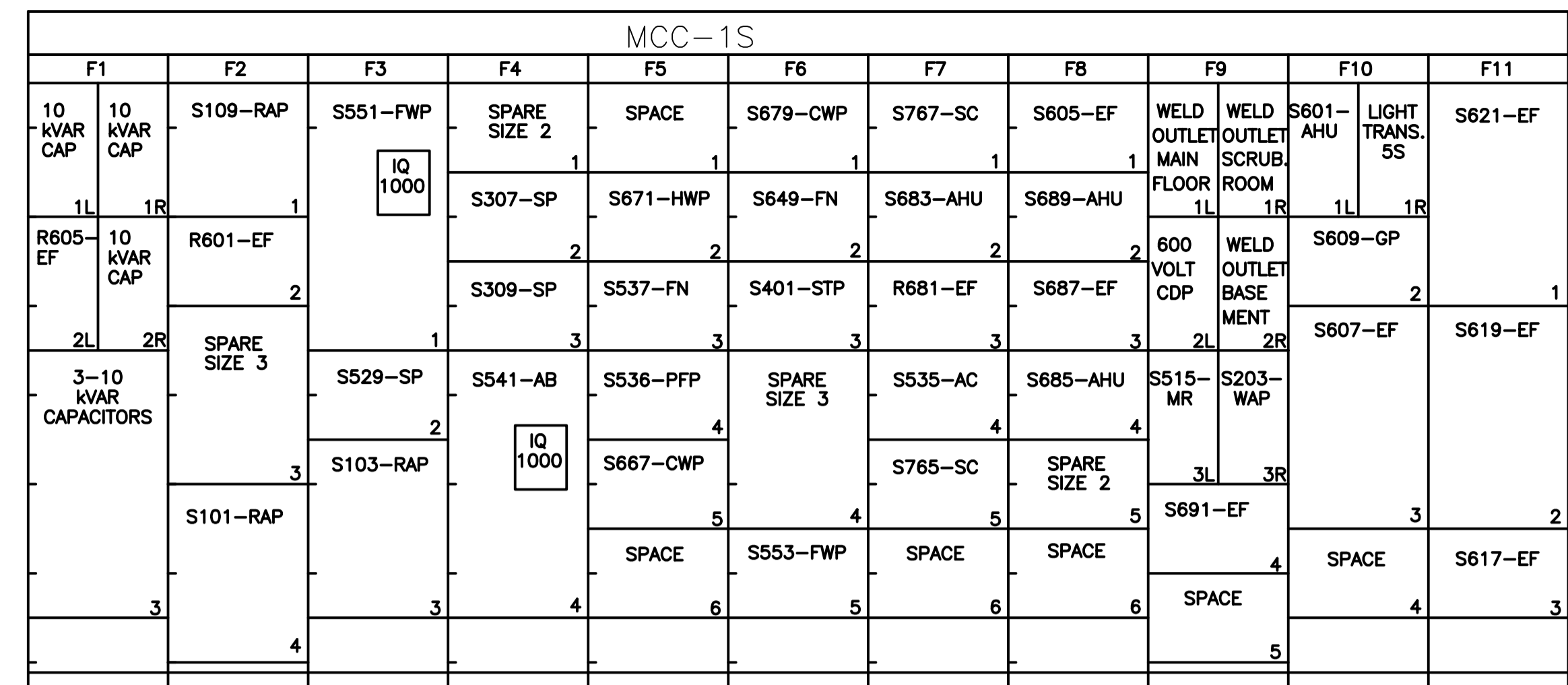
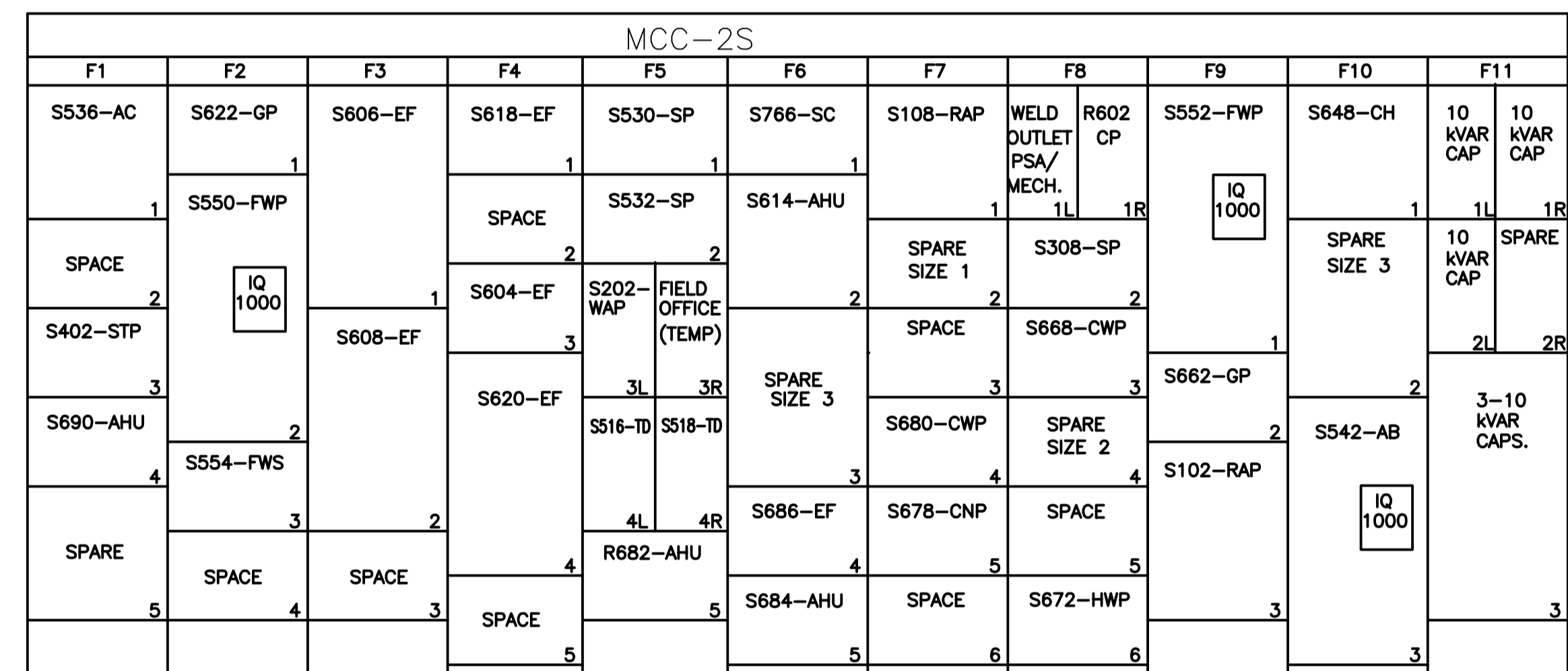


GROUPED SUMP PUMP MOTOR STARTER PANEL



MCC 1S LAYOUT



MCC 2S LAYOUT

GROUPED MOTOR PANEL- SUMP PUMP STARTERS

CONNECTED kW: 16
DEMAND kW: 8

EQUIP. NUMBER	MOTOR						STARTER		FEEDER			CIRCUIT PROTECTION	
	DESCRIPTION	LOCATION	HP	kW	FULL LOAD AMPS	SERV FACT.	EEMAC SIZE	TYPE	CAP (AMPS)	SIZE	TYPE	CONT. RATING (AMPS)	FRAME SIZE
S569-SMP	SUMP PUMP	S101	2	1.5	2.6	1.15	1	CMFVNR	20	#12	RW-90	7A-3P	HMCP
S570-SMP	SUMP PUMP	S101	2	1.5	2.6	1.15	1	CMFVNR	20	#12	RW-90	7A-3P	HMCP
S575-SMP	SUMP PUMP	S118	0.75	0.5	1.2	1.25	1	CMFVNR	20	#12	RW-90	3A-3P	HMCP
S576-SMP	SUMP PUMP	S101	2	1.5	2.37	1.15	1	CMFVNR	20	#12	RW-90	7A-3P	HMCP
S577-SMP	SUMP PUMP	S101	2	1.5	2.37	1.15	1	CMFVNR	20	#12	RW-90	7A-3P	HMCP
S578-SMP	SUMP PUMP	S131	2	1.5	2.6	1.15	1	CMFVNR	20	#12	RW-90	7A-3P	HMCP
S579-SMP	SUMP PUMP	S131	2	1.5	2.6	1.15	1	CMFVNR	20	#12	RW-90	7A-3P	HMCP
S580-SMP	SUMP PUMP	FOUL AIR DUCT	2	1.5	2.6	1.15	1	CMFVNR	20	#12	RW-90	7A-3P	HMCP
S581-SMP	SUMP PUMP	FOUL AIR DUCT	2	1.5	2.6	1.15	1	CMFVNR	20	#12	RW-90	7A-3P	HMCP
S582-SMP	SUMP PUMP	S131	2	1.5	2.6	1.15	1	CMFVNR	20	#12	RW-90	7A-3P	HMCP
S583-SMP	SUMP PUMP	S131	2	1.5	2.6	1.15	1	CMFVNR	20	#12	RW-90	7A-3P	HMCP

AS CONSTRUCTED
DATE JUNE/93 BY R.H.
APPROVED BY B.T.

B.M. ELEV.	MACLAREN ENGINEERS INC. WARDROP ENGINEERING INC. ENGINEERING CONSULTANTS	ENGINEER'S SEAL	<p>SNC-LAVALIN INC. 148 Notre Dame St. W. Winnipeg, Manitoba Canada R3P 0X7</p>
	DESIGNED BY D.B.T.	CHECKED BY	
	DRAWN BY C.N./V.R.	APPROVED BY	
	HOR. SCALE: N.T.S.	RELEASED FOR CONSTRUCTION:	
1 AS CONSTRUCTED 06/93 B.T.	0 ISSUED FOR TENDER 07/90 RDJ	CONSULTANT DRAWING NO. 43525-24-S-E116	<p>THE CITY OF WINNIPEG WORKS AND OPERATIONS DIVISION WATERWORKS, WASTE & DISPOSAL DEPARTMENT</p>
NO. REVISIONS	DATE BY	DATE	<p>SOUTH END WATER POLLUTION CONTROL CENTRE CITY DRAWING NUMBER</p> <p>SECONDARY CLARIFIER EXPANSION - ELECT. MOTOR CONTROL CENTER 1S & 2S PANEL LAYOUT & GROUPED MOTOR STARTER PANEL SHEET OF</p> <p>SEP-466</p>

FOR REFERENCE ONLY				
PROJECT No.	SUBNOV.	SUBJECT	SERIAL	REV.
112577	0105	47 DD	0509	1