

PERT/CPM MANAGEMENT PLANNING

DENNIS STARKOVICH MANAGEMENT CONSULTANT
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act id [] Activity Bar/Early Dates
 description [] Critical Activity
 [] Progress Bar

Primavera Systems, Inc. 1984-1990

**NEW SITE - PHASE 1 FACILITY
 RAYCHEM SHANGHAI CABLE ACCESSORIES
 SUMMARY SCHEDULE (DRAFT 11/19/92)**

Project Start : 9NOV92
 Project Finish: 2MAY94

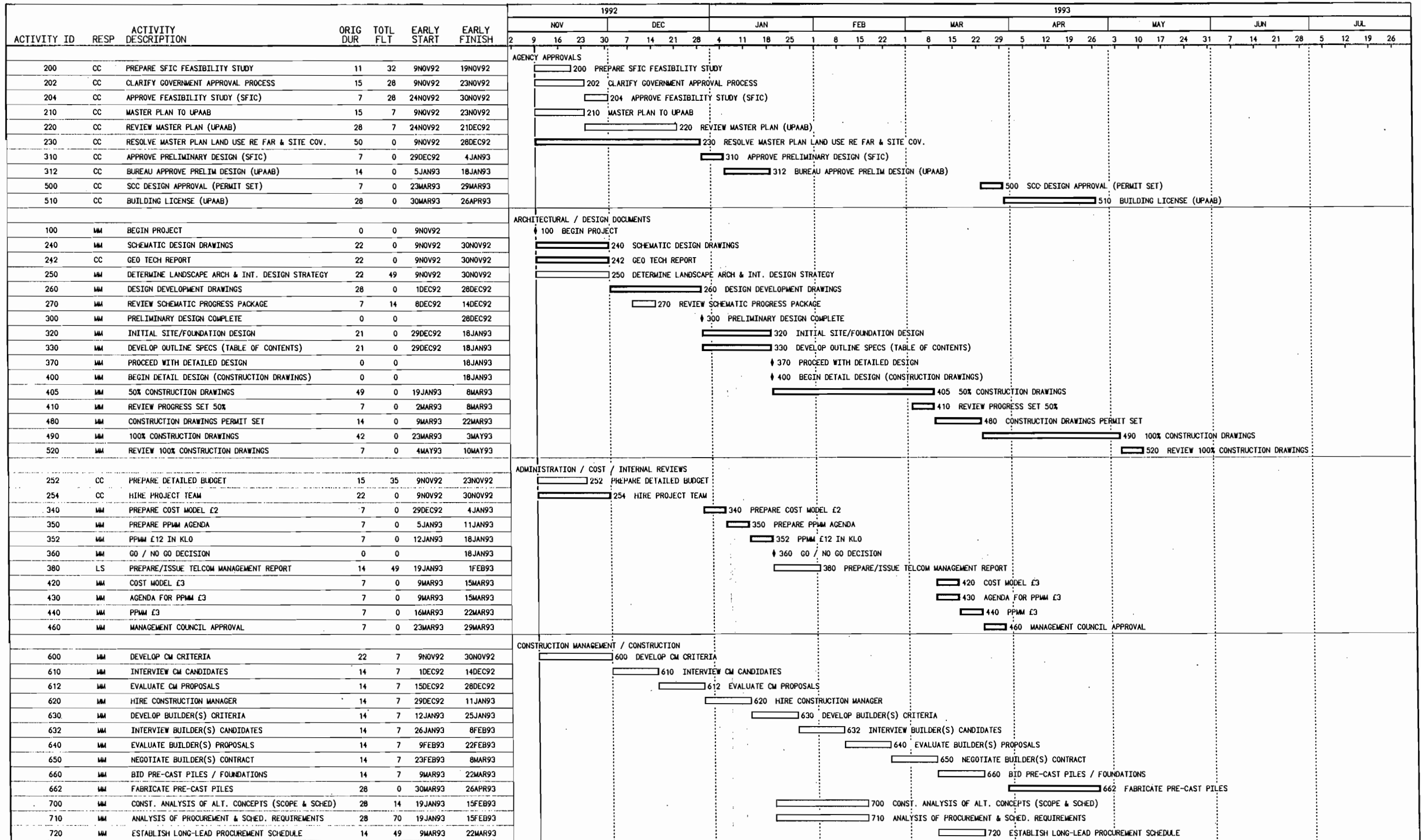
Sheet 1 of 5

PERT/CPM MANAGEMENT PLANNING • DENNIS STARKOVICH

Date	Revision	Checked	Approved

Date Date: 9NOV92
 Plot Date: 19NOV92

RCHB



Inactive
 Activity Bar/Early Dates
 Critical Activity
 Progress Bar

Project Start : 9NOV92
 Project Finish: 2MAY94

NEW SITE - PHASE 1 FACILITY
 RAYCHEM SHANGHAI CABLE ACCESSORIES
 BAR CHART SCHEDULE (DRAFT 11/19/92)

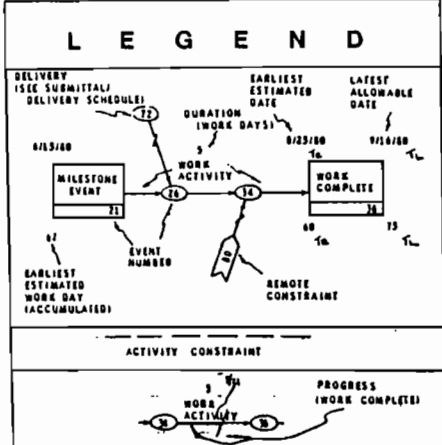
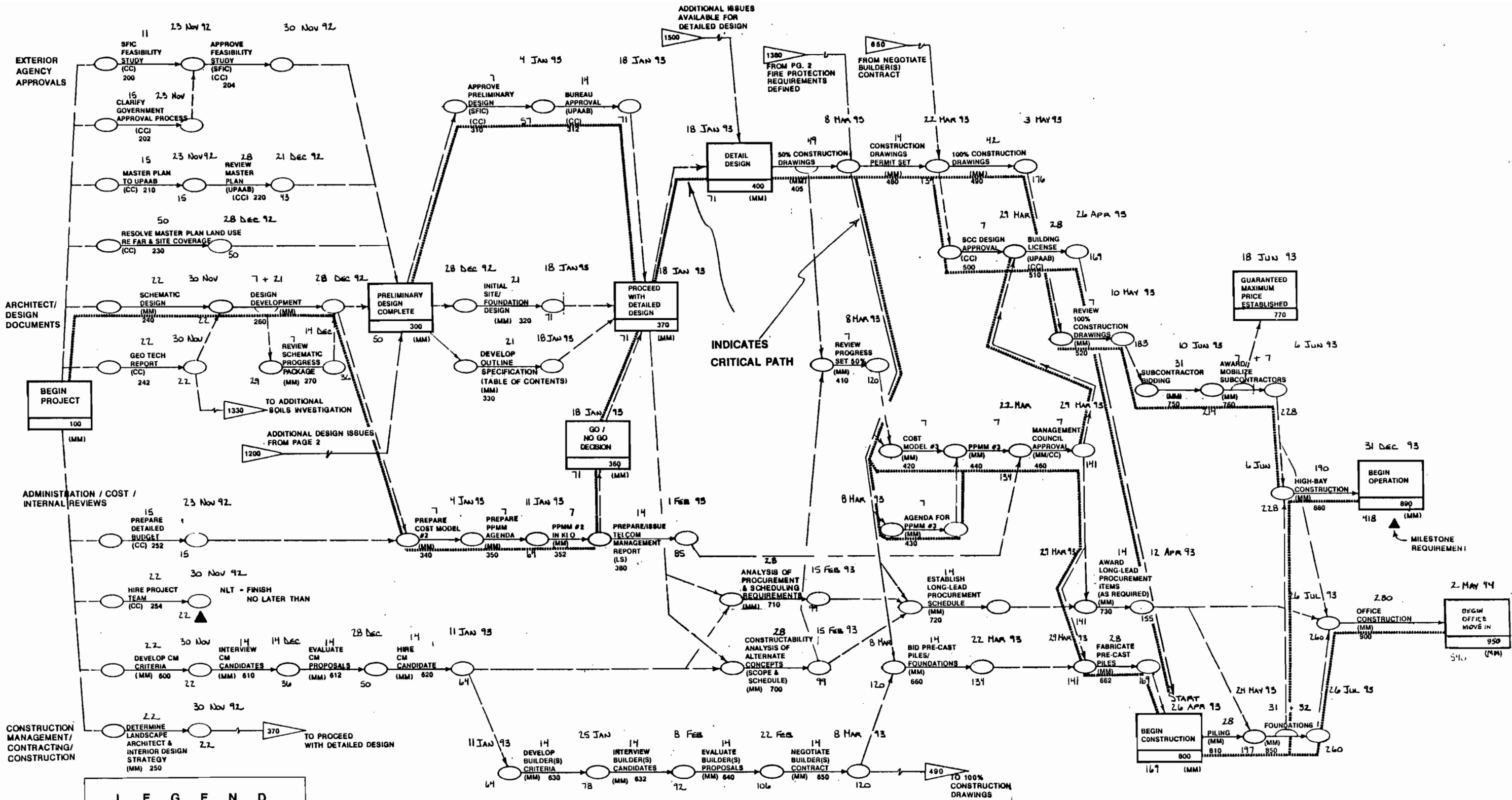
Sheet 2 of 5

PERT/CPM MANAGEMENT PLANNING • DENNIS STARKOVICH

Date	Revision	Checked	Approved

Data Date: 9NOV92
 Plot Date: 19NOV92

ACTIVITY ID	RESP	ACTIVITY DESCRIPTION	ORIG DUR	TOTL FLT	EARLY START	EARLY FINISH	1992												1993																							
							NOV				DEC				JAN				FEB				MAR				APR				MAY				JUN				JUL			
							2	9	16	23	30	7	14	21	28	4	11	18	25	1	8	15	22	1	8	15	22	29	5	12	19	26	3	10	17	24	31	7	14	21	28	5
							CONSTRUCTION MANAGEMENT / CONSTRUCTION																																			
730	MM	AWARD LONG-LEAD PROCUREMENT ITEMS (AS REQUIRED)	14	42	30MAR93	12APR93	730 AWARD LONG-LEAD PROCUREMENT ITEMS (AS REQUIRED)																																			
750	MM	SUB-CONTRACTOR BIDDING	31	0	11MAY93	10JUN93	750 SUB-CONTRACTOR BIDDING																																			
760	MM	AWARD / MOBILIZE SUB-CONTRACTORS	14	0	11JUN93	24JUN93	760 AWARD / MOBILIZE SUB-CONTRACTORS																																			
770	MM	GUARANTEED MAXIMUM PRICE ESTABLISHED	0	0	18JUN93		770 GUARANTEED MAXIMUM PRICE ESTABLISHED																																			
800	MM	BEGIN CONSTRUCTION	0	0		26APR93	800 BEGIN CONSTRUCTION																																			
810	MM	PILING	28	0	27APR93	24MAY93	810 PILING																																			
850	MM	FOUNDATIONS	63	0	25MAY93	26JUL93	850 FOUNDATIONS																																			
880	MM	HIGH-BAY CONSTRUCTION	190	0	25JUN93	31DEC93	880 HIGH-BAY CONSTRUCTION																																			
890	MM	BEGIN OPERATION	0	0		31DEC93																																				
900	MM	OFFICE BUILDING CONSTRUCTION	280	0	27JUL93	2MAY94	900 OFFICE BUILDING CONSTRUCTION																																			
950	MM	BEGIN OFFICE MOVE-IN	0	0		2MAY94																																				
							ADDITIONAL PROGRAMMING DESIGN ISSUES (PRELIM)																																			
1000	MM	MBT SEND LAYOUT/MAST. PLAN/BLDG LOC. TO SIMEE	8	42	9NOV92	16NOV92	1000 MBT SEND LAYOUT/MAST. PLAN/BLDG LOC. TO SIMEE																																			
1010	JC	PREP PROC CHEM/QUANT/AIR/H2O DISC/ENVIR DATA-LUC	43	7	9NOV92	21DEC92	1010 PREP PROC CHEM/QUANT/AIR/H2O DISC/ENVIR DATA-LUC																																			
1020	JC	CONFIRM MANUFACTURING EQUIPMENT LAYOUT	50	0	9NOV92	28DEC92	1020 CONFIRM MANUFACTURING EQUIPMENT LAYOUT																																			
1030	JC	CONFIRM UTILITY DATA	50	0	9NOV92	28DEC92	1030 CONFIRM UTILITY DATA																																			
1040	CC	SIMEE: SPACE TAB & COST MOD (BACK-UP/CONT QUANT)	50	0	9NOV92	28DEC92	1040 SIMEE: SPACE TAB & COST MOD (BACK-UP/CONT QUANT)																																			
1050	CC	DEFINE EPD & NON-TELCOM PROGRAM	50	0	9NOV92	28DEC92	1050 DEFINE EPD & NON-TELCOM PROGRAM																																			
1060	MM	SELECT UNIFORM MACHINE COLOR	50	0	9NOV92	28DEC92	1060 SELECT UNIFORM MACHINE COLOR																																			
1070	MM	SITE SIGN DESIGN (MBT/RVC) TO SHANGHAI	50	0	9NOV92	28DEC92	1070 SITE SIGN DESIGN (MBT/RVC) TO SHANGHAI																																			
1080	MM	SITE PREP PLAN (SIMEE) (FENCE/UTIL/CLEAR & SIGN)	50	0	9NOV92	28DEC92	1080 SITE PREP PLAN (SIMEE) (FENCE/UTIL/CLEAR & SIGN)																																			
1090	MM	SIMEE: LIST LONG-LEAD EQUIP & TIMING REQUIRE.	50	0	9NOV92	28DEC92	1090 SIMEE: LIST LONG-LEAD EQUIP & TIMING REQUIRE.																																			
1100	MM	DEFINE MIS PROGRAM	13	0	16DEC92	28DEC92	1100 DEFINE MIS PROGRAM																																			
1110	CC	DEFINE CONFERENCE ROOM / SPACE / STYLE PROGRAM	13	0	16DEC92	28DEC92	1110 DEFINE CONFERENCE ROOM / SPACE / STYLE PROGRAM																																			
1200	MM	AVAILABLE FOR PRELIMINARY DESIGN COMPLETE	0	0		28DEC92	1200 AVAILABLE FOR PRELIMINARY DESIGN COMPLETE																																			
							ADDITIONAL DETAILED DESIGN ISSUES																																			
1320	JC	GET TOPOGRAPHICAL SURVEY/DEFINE PROPERTY LINE	15	35	30NOV92	14DEC92	1320 GET TOPOGRAPHICAL SURVEY/DEFINE PROPERTY LINE																																			
1330	CC	SIMEE RECOMMEND ADDITIONAL SOILS INVESTIGATION	49	0	1DEC92	18JAN93	1330 SIMEE RECOMMEND ADDITIONAL SOILS INVESTIGATION																																			
1340	MM	SIMEE RECOMMENDATIONS RE DOORS/FRAMES/HARDWARE	50	21	9NOV92	28DEC92	1340 SIMEE RECOMMENDATIONS RE DOORS/FRAMES/HARDWARE																																			
1350	MM	SIMEE RECOMMEND. RE CARPET/FINISHES/ELEV SIZES	50	21	9NOV92	28DEC92	1350 SIMEE RECOMMEND. RE CARPET/FINISHES/ELEV SIZES																																			
1360	MM	SIMEE RECOMMEND. RE GLASS / TILE / ALUMINUM	50	21	9NOV92	28DEC92	1360 SIMEE RECOMMEND. RE GLASS / TILE / ALUMINUM																																			
1370	MM	DEF. FIRE PROTEC. REQ VIS FACTORY MUT/LOCAL REG.	48	42	16DEC92	1FEB93	1370 DEF. FIRE PROTEC. REQ VIS FACTORY MUT/LOCAL REG.																																			
1380	MM	FIRE PROTECTION REQUIREMENTS DEFINED	0	42		1FEB93	1380 FIRE PROTECTION REQUIREMENTS DEFINED																																			
1500	MM	AVAILABLE FOR DETAILED DESIGN	0	0		18JAN93	1500 AVAILABLE FOR DETAILED DESIGN																																			
							ADDITIONAL ADMINISTRATIVE ISSUES																																			
2000	JC	SELECT MECHANICAL CONSULTANT	23	48	9NOV92	1DEC92	2000 SELECT MECHANICAL CONSULTANT																																			
2010	CC	CONFIRM VISITS BY SIMEE	5	42	9NOV92	13NOV92	2010 CONFIRM VISITS BY SIMEE																																			
2020	CC	SIMEE VISIT TO MENLO PARK	3	5	21DEC92	23DEC92	2020 SIMEE VISIT TO MENLO PARK																																			
2030	CC	SIMEE VISIT TO KESSEL-LO	5	3	11JAN93	15JAN93	2030 SIMEE VISIT TO KESSEL-LO																																			
2100	MM	SUBMIT ARCHITECTURAL PROPOSAL	12	21	9NOV92	20NOV92	2100 SUBMIT ARCHITECTURAL PROPOSAL																																			
2110	MM	REVIEW / NEGOTIATE ARCHITECT CONTRACT	21	21	21NOV92	11DEC92	2110 REVIEW / NEGOTIATE ARCHITECT CONTRACT																																			
2120	MM	PREPARE FINAL ARCH CONTRACT	10	21	12DEC92	21DEC92	2120 PREPARE FINAL ARCH CONTRACT																																			
2130	MM	SIGN & EXECUTE ARCH CONTRACT	7	21	22DEC92	28DEC92	2130 SIGN & EXECUTE ARCH CONTRACT																																			
2200	CC	CONFIRM PHONE DESIGN & INSTALL. RESPONSIBILITY	50	21	9NOV92	28DEC92	2200 CONFIRM PHONE DESIGN & INSTALL. RESPONSIBILITY																																			
2300	MM	CLARIF LEGAL RTS-LAND PURCH/SUBLEASE/TRANSF RTS	539	1	9NOV92	1MAY94	2300																																			
2400	CC	CONFIRM CAOHEJING LANDFILL RESPONSIBILITY	8	91	9NOV92	16NOV92	2400 CONFIRM CAOHEJING LANDFILL RESPONSIBILITY																																			
2401	CC	IF LANDFILL BY CAOHEJING	0	112		16NOV92	2401 IF LANDFILL BY CAOHEJING																																			
2402	CC	PREPARE ENGINEERING (CAOHEJING)	21	112	17NOV92	7DEC92	2402 PREPARE ENGINEERING (CAOHEJING)																																			
2410	MM	REVIEW ENGINEERING (RAYCHEM)	14	112	8DEC92	21DEC92	2410 REVIEW ENGINEERING (RAYCHEM)																																			
2420	MM	PERFORM LANDFILL (CAOHEJING)	14	112	22DEC92	4JAN93	2420 PERFORM LANDFILL (CAOHEJING)																																			
2439	MM	IF LANDFILL BY OTHERS	0	91		16NOV92	2439 IF LANDFILL BY OTHERS																																			
2440	MM	DETERMINE COST & RESOURCES	21	91	17NOV92	7DEC92	2440 DETERMINE COST & RESOURCES																																			
2450	CC	PREPARE ENGINEERING (OTHER)	21	91	8DEC92	28DEC92	2450 PREPARE ENGINEERING (OTHER)																																			
2460	MM	REVIEW ENGINEERING	14	91	29DEC92	11JAN93	2460 REVIEW ENGINEERING																																			
2470	MM	PERFORM LANDFILL (OTHERS)	14	91	12JAN93	25JAN93	2470 PERFORM LANDFILL (OTHERS)																																			
3000	MM	INFORM OTHER RAYCHEM DIV OF DESIGN DEADLINE	22	0	9NOV92	30NOV92	3000 INFORM OTHER RAYCHEM DIV OF DESIGN DEADLINE																																			
3010	CC	INPUT FROM OTHER DIVISIONS	28	0	1DEC92	28DEC92	3010 INPUT FROM OTHER DIVISIONS																																			
3100	MM	GET SHANGHAI COST INDEX INFO-U.S. CONSUL & OTHER	22	28	9NOV92	30NOV92	3100 GET SHANGHAI COST INDEX INFO-U.S. CONSUL & OTHER																																			
3200	CC	CONFIRM L&B/M&E COORD RE JV BEAM CELL MODIF.	539	1	9NOV92	1MAY94	3200																																			



SCHEDULE TARGET REQUIREMENTS → **SCHEDULE CONTRACTING ASSUMPTIONS**

- HIGH-BAY MANUFACTURING OPERATIONAL BY 12/31/93.
- CM ASSUMES RESPONSIBILITY FOR PROCUREMENT, CONTRACTING & CONSTRUCTION STRATEGY
- NEGOTIATE BUILDER FEE PROPOSALS PRIOR TO 50% DESIGN.
- BID PILES / FOUNDATIONS AT 50% CONSTRUCTION DRAWINGS.
- MANAGEMENT COUNCIL APPROVAL AT 50% CONSTRUCTION DRAWINGS.
- GUARANTEED MAXIMUM PRICE ESTABLISHED AT 100% CONSTRUCTION DRAWINGS, AFTER MANAGEMENT COUNCIL APPROVAL.
- LONG LEAD EQUIPMENT REQUIREMENT NOT DEFINED AT THIS TIME.

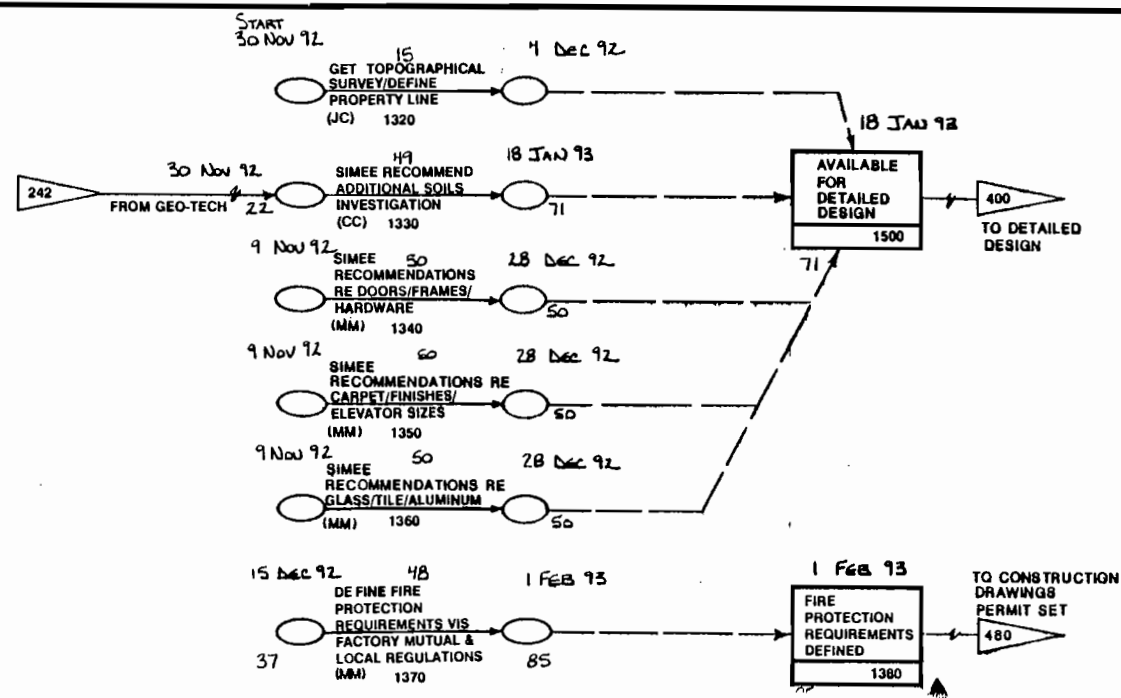
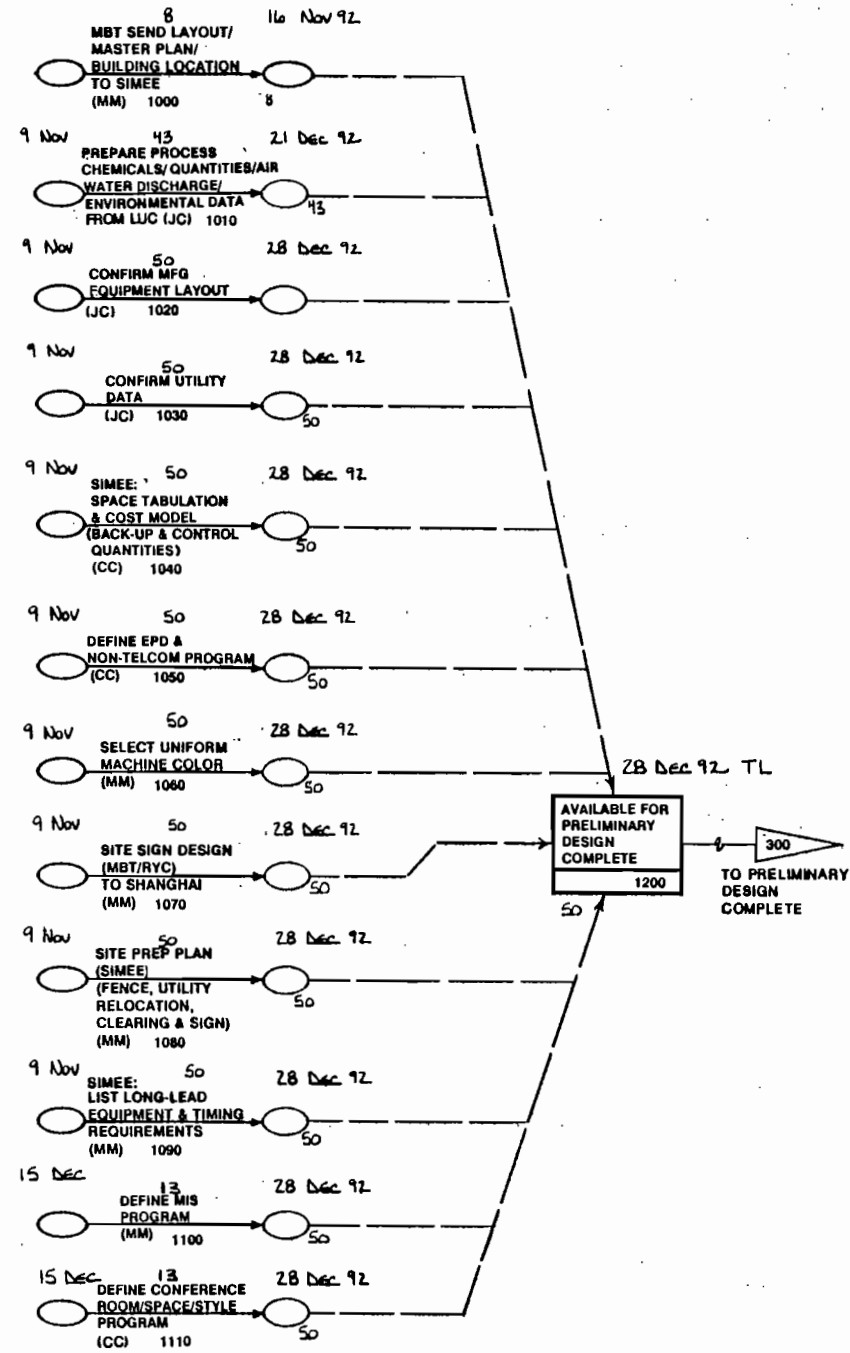
PRELIMINARY DRAFT
11/19/92

NEW SITE - PHASE 1 FACILITY

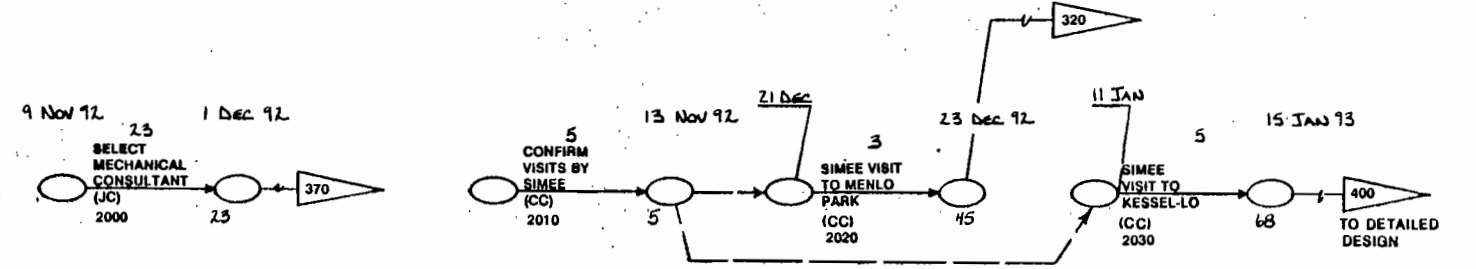
DESIGN & CONSTRUCTION PROGRAM

REVISIONS ANALYST: BS DRAWN: TS CHECKED: APPROVED: DATE SHEET 4 OF 5	PERT/CPM NETWORK ANALYSIS RAYCHEM SHANGHAI CABLE ACCESSORIES, LTD. HIGH-BAY MANUFACTURING PLANT & OFFICE BUILDING SHANGHAI, CHINA
MANAGEMENT CONSULTANT	DENNIS STARKOVICH POST OFFICE BOX 80388 PALO ALTO, CALIFORNIA (415) 321-4501

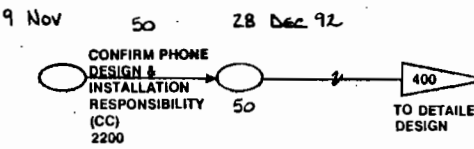
ADDITIONAL PROGRAMMING DESIGN ISSUES (PRELIMINARY)



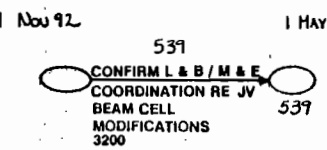
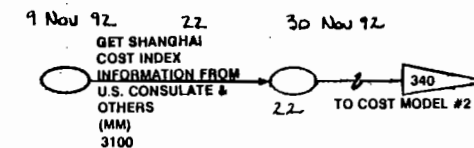
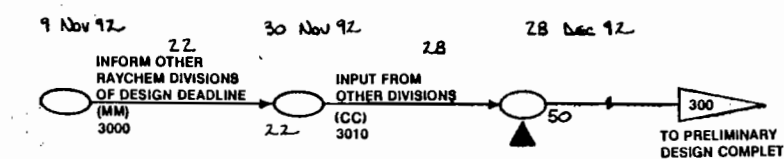
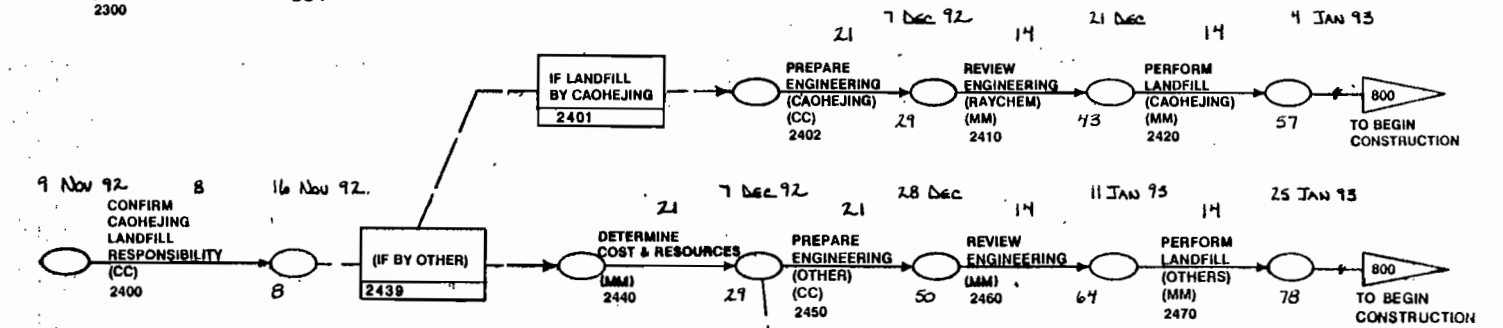
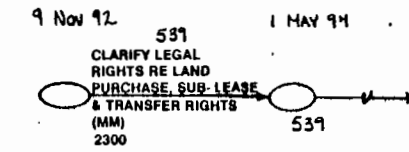
ADDITIONAL ADMINISTRATIVE ISSUES



ARCHITECTURAL CONTRACT



OTHER ADMINISTRATIVE ISSUES



PRELIMINARY DRAFT
11/19/92

PROGRAMMING DESIGN ISSUES

ADMINISTRATIVE ISSUES

REVISIONS ANALYST: VS DRAWN: TS CHECKED: APPROVED: DATE SHEET 5 of 5		PERT/CPM NETWORK ANALYSIS RAYCHEM SHANGHAI CABLE ACCESSORIES, LTD. HIGH-BAY MANUFACTURING PLANT & OFFICE BUILDING SHANGHAI, CHINA	
MANAGEMENT CONSULTANT DENNIS STARKOVICH		POST OFFICE BOX 80388 PALO ALTO, CALIFORNIA 94301-0388	