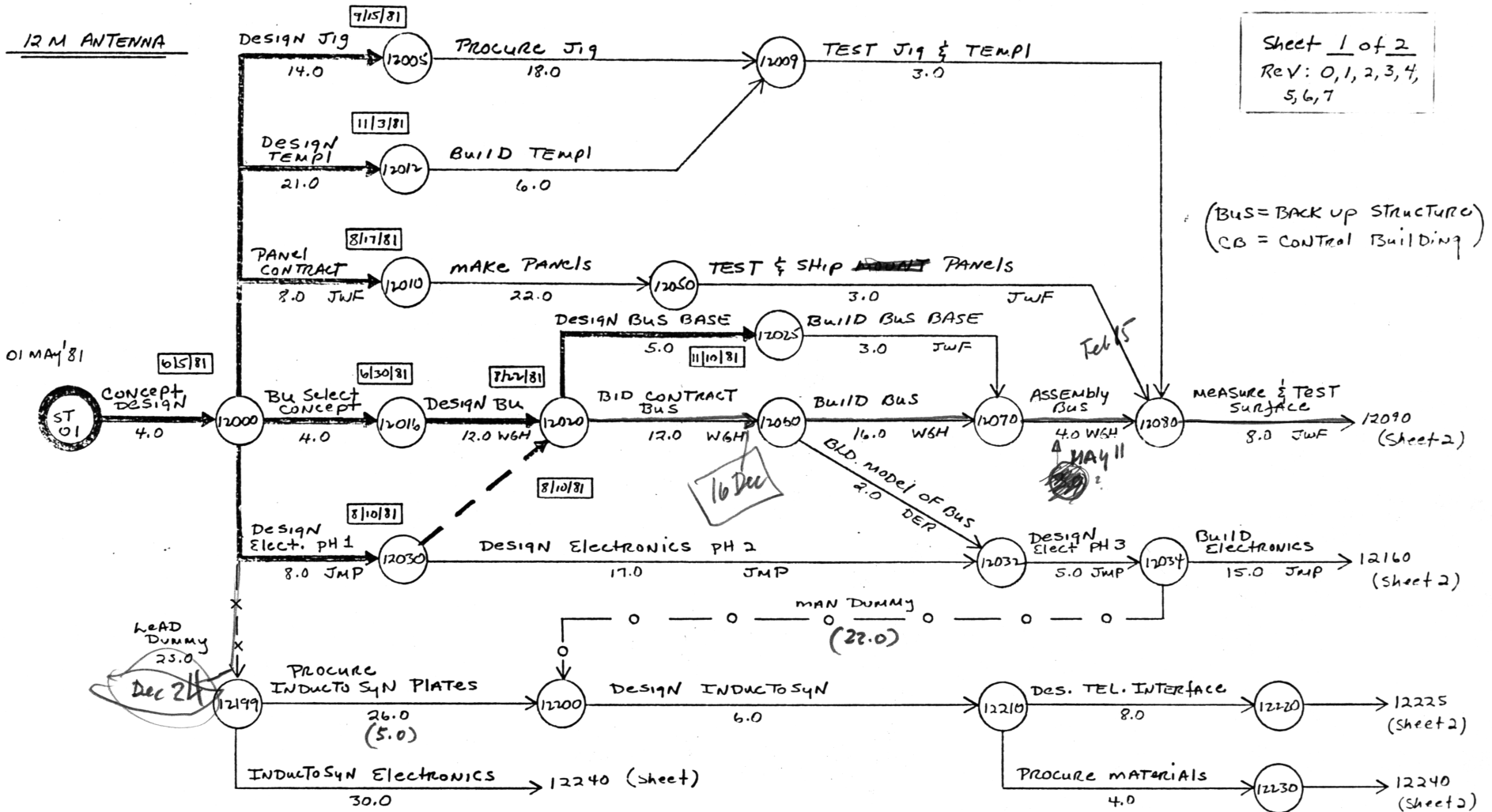


12 M ANTENNA

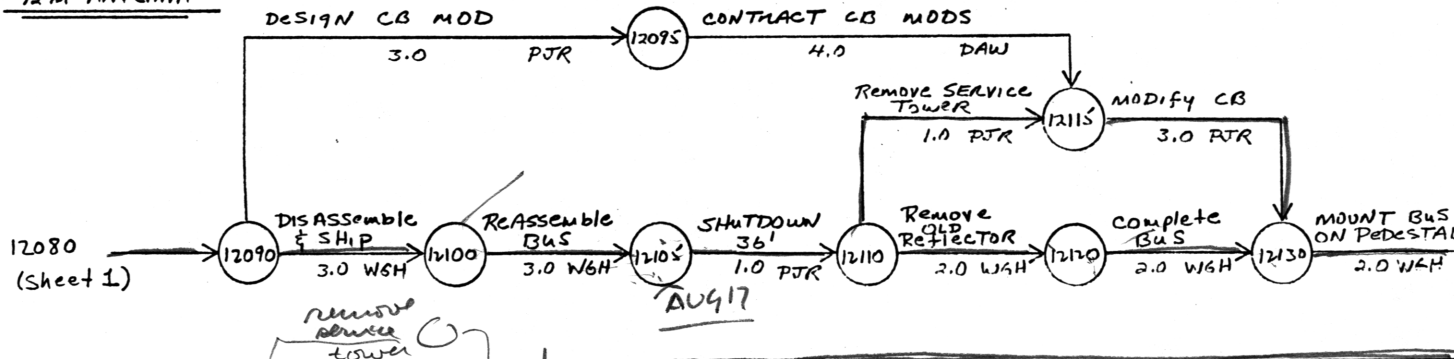


Sheet 1 of 2
 Rev: 0, 1, 2, 3, 4,
 5, 6, 7

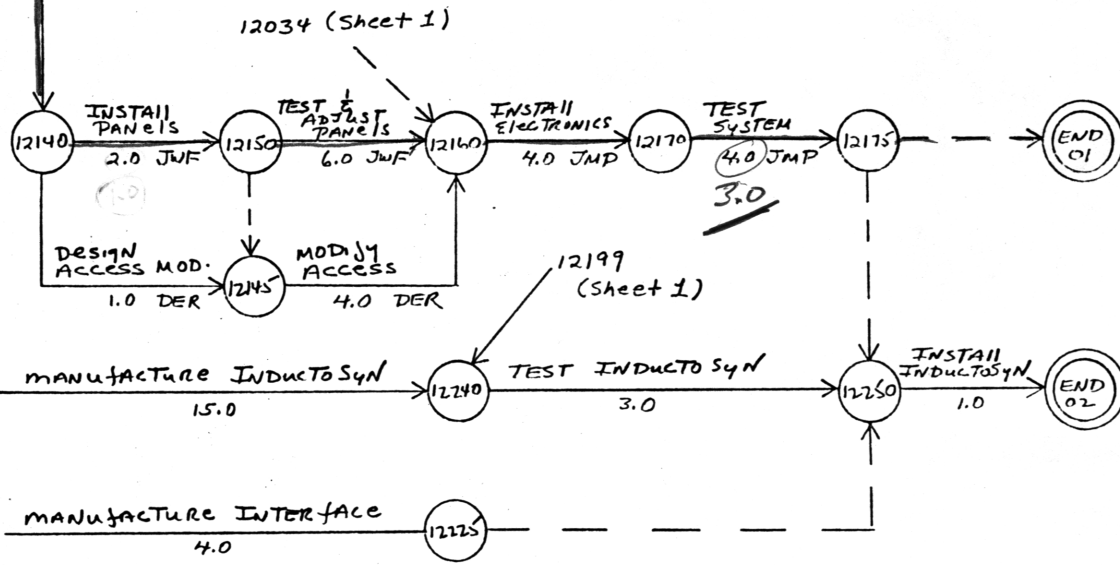
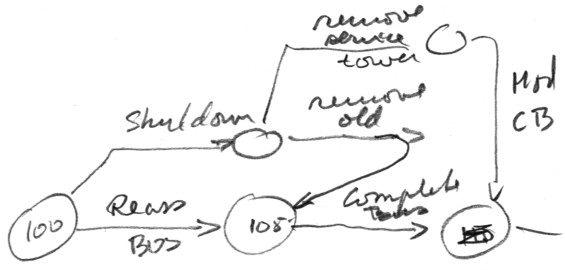
(BUS = BACK UP STRUCTURE)
 (CB = CONTROL BUILDING)

12 M ANTENNA

SHEET 2 of 2
REV: 0, 1, 2, 3, 4,
5, 6, 7



(BUS = BACK UP STRUCTURE)
(CB = CONTROL BUILDING)



(Sheet 1) 12230

(Sheet 1) 12220

ACTIVITY TIME STATUS REPORT

PROGRAM 02DEC81 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANT012

RUN DATE 02

LEVEL DETAIL

SORTED BY PRED,SUCC

PRED EVENT	SUCC EVENT	CY. CD.	ACTIVITY DESCRIPTION	TIME EST	SLACK PRIM. SEC.	EARLY START	DATES FINISH	LATE START	DATES FINISH	SCHED.	DEPT
	STG1 S		BEGIN		.0	A01MAY81	A01MAY81	01MAY81	01MAY81		
ST01	12000		CONCEPT DESIGN	04.0	.0	A01MAY81	A08JUN81	01MAY81	08JUN81		
END01		E			.0	27JAN83	27JAN83	27JAN83	27JAN83		
END02		E			.0	03FEB83	03FEB83	03FEB83	03FEB83		
12000	12005		DESIGN JIG	14.0	12.0	A08JUN81	A15SEP81	08JUN81	09DEC81		
12000	12010		PANEL CONTRACT	08.0	12.0	A08JUN81	A17AUG81	08JUN81	10NOV81		JWF
12000	12012		DESIGN TEMPL	21.0	17.0	A08JUN81	A03NOV81	08JUN81	09MAR82		
12000	12016		SELECT CONCEPT	04.0	.0	A08JUN81	A30JUN81	08JUN81	30JUN81		
12000	12020		ELECTRONICS DESIGN PH 1	08.0	6.0	A08JUN81	A10AUG81	08JUN81	22SEP81		JMP
12000	12155		LEAD DUMMY	25.0	5.0	A08JUN81	02DEC81	13JUL81	08JAN82		XX
12005	12005		PRCCURE JIG	18.0	12.0	A15SEP81	22JAN82	09DEC81	20APR82		
12009	12080		TEST JIG & TEMPL	03.0	12.0	22JAN82	15FEB82	20APR82	11MAY82		
12010	12050		MAKE PANELS	22.0	12.0	A17AUG81	22JAN82	10NOV81	20APR82		JWF
12012	12005		BUILD TEMPL	06.0	17.0	A03NOV81	16DEC81	09MAR82	20APR82		
12016	12020		DESIGN BUS	12.0	.0	A30JUN81	A22SEP81	30JUN81	22SEP81		WGH
12020	12025		DESIGN BUS BASE	05.0	17.0	A22SEP81	A10NOV81	22SEP81	16MAR82		
12020	12060		BIC, CONTRACT BUS	12.0	.0	A22SEP81	16DEC81	22SEP81	16DEC81		WGH
12025	12070		BUILD BUS BASE	04.0	17.0	A10NOV81	09DEC81	16MAR82	13APR82		
12030	12020		DUMMY	0000	6.0	A10AUG81	A10AUG81	22SEP81	22SEP81		
12030	12032		DESIGN ELECTRONICS PH 2	17.0	25.0	A10AUG81	09DEC81	05FEB82	08JUN82		JMP
12032	12034		DESIGN ELECTRONICS PH 3	05.0	22.0	31DEC81	05FEB82	08JUN82	13JUL82		JMP
12034	12160		BUILD ELECTRONICS	15.0	27.0	05FEB82	25MAY82	17AUG82	02DEC82		JMP
12034	12200		MAN DUMMY	0000	22.0	05FEB82	05FEB82	13JUL82	13JUL82		XX
12050	12080		TEST & SHIP MOUNT PANELS	03.0	12.0	22JAN82	15FEB82	20APR82	11MAY82		JWF
12060	12032		BUILD MODEL OF BUS	02.0	22.0	16DEC81	31DEC81	25MAY82	08JUN82		DER
12060	12070		BUILD BUS	16.0	.0	16DEC81	13APR82	16DEC81	13APR82		WGH
12070	12060		ASSEMBLY BUS	04.0	.0	13APR82	11MAY82	13APR82	11MAY82		WGH
12080	12050		MEASURE & TEST SURFACE	08.0	.0	11MAY82	06JUL82	11MAY82	06JUL82		JWF
12090	12055		DESIGN CB MGD.	03.0	1.0	06JUL82	27JUL82	13JUL82	03AUG82		PJR
12090	12100		DISASSEMBLE & SHIP.	03.0	.0	06JUL82	27JUL82	06JUL82	27JUL82		WGH
12095	12115		CONTRACT CB MODS.	04.0	1.0	27JUL82	24AUG82	03AUG82	31AUG82		DAW
12100	12105		REASSEMBLE BUS	03.0	.0	27JUL82	17AUG82	27JUL82	17AUG82		WGH
12105	12110		SHUT DOWN 36FT	01.0	.0	17AUG82	24AUG82	17AUG82	24AUG82		PJR
12110	12115		REMOVE SERVICE TOWER	01.0	.0	24AUG82	31AUG82	24AUG82	31AUG82		PJR
12110	12120		REMOVE GLD REFLECTOR	02.0	.0	24AUG82	08SEP82	24AUG82	08SEP82		WGH
12115	12130		MOCIFY CB	03.0	.0	31AUG82	22SEP82	31AUG82	22SEP82		PJR
12120	12130		COMPLETE BUS	02.0	.0	08SEP82	22SEP82	08SEP82	22SEP82		WGH
12130	12140		MOUNT BUS ON PEDESTAL	02.0	.0	22SEP82	06OCT82	22SEP82	06OCT82		WGH
12140	12145		DESIGN ACCESS MGD.	01.0	3.0	06OCT82	13OCT82	27OCT82	03NOV82		DER
12140	12150		INSTALL PANELS	02.0	.0	06OCT82	20OCT82	06OCT82	20OCT82		JWF
12145	12160		MODIFY ACCESS	04.0	2.0	20OCT82	17NOV82	03NOV82	02DEC82		DER
12150	12145		DUMMY	0000	2.0	20OCT82	20OCT82	03NOV82	03NOV82		
12150	12160		TEST & ADJUST PANELS	06.0	.0	20OCT82	02DEC82	20OCT82	02DEC82		JWF
12160	12170		INSTALL ELECTRONICS	04.0	.0	02DEC82	30DEC82	02DEC82	30DEC82		JMP
12170	12175		TEST SYSTEM	04.0	.0	30DEC82	27JAN83	30DEC82	27JAN83		JMP
12175	END01		DUMMY	0000	.0	27JAN83	27JAN83	27JAN83	27JAN83		

ACTIVITY TIME STATUS REPORT

PROGRAM 02DEC81 REPORT DATE. 12M TELESCOPE PROJECT.
 PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
 ANT012

RUN DATE 02

LEVEL DETAIL

SORTED BY PRED,SUCC

PRED EVENT	SUCC EVENT	CY. CD.	ACTIVITY DESCRIPTION	TIME EST	SLACK PRIM. SEC.	EARLY START	DATES FINISH	LATE START	DATES FINISH	SCHED.	DEPT
12175	12250		DUMMY	0000	.0	27JAN83	27JAN83	27JAN83	27JAN83		
12159	12200		PRCC. INDUCTOSYNS PLATES	26.0	5.0	02DEC81	08JUN82	08JAN82	13JUL82		
12159	12240		INDUCTOSYN ELECTRONICS	30.0	26.0	02DEC81	06JUL82	08JUN82	06JAN83		
12200	12210		DESIGN INDUCTOSYNS	06.0	5.0	08JUN82	20JUL82	13JUL82	24AUG82		
12210	12220		DES. TEL INTERFACE	08.0	15.0	20JUL82	15SEP82	03NOV82	30DEC82		
12210	12230		PRCCURE MAT.	04.0	5.0	20JUL82	17AUG82	24AUG82	22SEP82		
12220	12225		MFG. INTERFACE	04.0	15.0	15SEP82	13OCT82	30DEC82	27JAN83		
12225	12250		DUMMY	0000	15.0	13OCT82	13OCT82	27JAN83	27JAN83		
12230	12240		MFG. INDUCTOSYNS	15.0	5.0	17AUG82	02DEC82	22SEP82	06JAN83		
12240	12250		TEST INDUCTOSYNS	03.0	5.0	02DEC82	23DEC82	06JAN83	27JAN83		
12250	END02		INSTALL INDUCTOSYNS	01.0	.0	27JAN83	03FEB83	27JAN83	03FEB83		

PROGRAM 02DEC81 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

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RUN DATE C61

PRED EVENT	SUCC EVENT	CY CD	DESCRIPTION	A - ACTIVITY COMPLETE * - ACTIVITY DURATION	P - PACING ITEM - - ACTIVITY FLOAT	FINAL DATE	DEPT
ST01	12000		CONCEPT DESIGN	.	.	08JUN81	
12000	12005		DESIGN JIG	.	.	15SEP81	
12000	12010		PANEL CONTRACT	.	.	17AUG81	JWF
12000	12012		DESIGN TEMPL	AAAAA	.	03NOV81	
12000	12016		SELECT CONCEPT	.	.	30JUN81	
12000	12030		ELECTRONICS DESIGN PH 1	.	.	10AUG81	JMP
12005	12009		PRODUCE JIG	*****	.	22JAN82	
12009	12080		TEST JIG & TEMPL	.	*****	15FEB82	
12010	12050		MAKE PANELS	*****	.	22JAN82	JWF
12012	12005		BUILD TEMPL	.	*****	16DEC81	
12016	12020		DESIGN BUS	.	.	22SEP81	WGH
12020	12025		DESIGN BUS BASE	AAAAAA	.	10NOV81	
12020	12060		BID, CONTRACT BUS	FPPPPPPPPP	.	16DEC81	WGH
12025	12070		BUILD BUS BASE	*****	.	09DEC81	
12030	12032		DESIGN ELECTRONICS PH 2	*****	.	09DEC81	JMP
12032	12034		DESIGN ELECTRONICS PH 3	.	*****	05FEB82	JMP
12034	12160		BUILD ELECTRONICS	.	*****	25MAY82	JMP
12050	12080		TEST & SHIP MODEL PANELS	.	*****	15FEB82	JWF
12080	12032		BUILD MODEL OF BUS	.	**	31DEC81	DER
12080	12070		BUILD BUS	.	PPPPPPPPPPPPPPPP	13APR82	WGH
12070	12080		ASSEMBLY BUS	.	PPPPP	11MAY82	WGH
12080	12090		MEASURE & TEST SURFACE	.	PPPPPPP	06JUL82	JWF
12090	12095		DESIGN CB MCD.	.	****-	27JUL82	PJR
12090	12100		DISASSEMBLE & SHIP	.	PPP	27JUL82	WGH
12095	12115		CONTRACT CB MCDS.	.	*****	24AUG82	DAW
12100	12105		REASSEMBLE BUS	.	PPP	17AUG82	WGH
12105	12110		SHUT DOWN 36FT	.	PP	24AUG82	PJF
12110	12115		REMOVE SERVICE TOWER	.	P	31AUG82	PJF
12110	12120		REMOVE OLD REFLECTOR	.	PP	08SEP82	WGH
12115	12130		MODIFY CB	.	PPPP	22SEP82	PJP
12120	12130		COMPLETE BUS	.	PPP	22SEP82	WGH
12130	12140		MCINT BUS ON PEDESTAL	.	PPP	06OCT82	WGH
12140	12145		DESIGN ACCESS MCD.	.	**---	13OCT82	DER
12140	12150		INSTALL PANELS	.	PPP	20OCT82	JWF
12145	12160		MODIFY ACCESS	.	*****	17NOV82	DER
12150	12160		TEST & ADJUST PANELS	.	PPPPPPP	02DEC82	JWF
12160	12170		INSTALL ELECTRONICS	.	PPPP	30DEC82	JMP
12170	12175		TEST SYSTEM	.	PPPPP	27JAN83	JMP
12199	12200		PRG. INDUCTOSYNS PLATES	*****	.	08JUN82	
12199	12240		INDUCTOSYN ELECTRONICS	*****	.	06JUL82	
12200	12210		DESIGN INDUCTOSYNS	.	*****	20JUL82	
12210	12220		DES. TEL INTERFACE	.	*****	15SEP82	
12210	12230		PRODUCE MAT.	.	*****	17AUG82	
12220	12225		MFG. INTERFACE	.	*****	13OCT82	
12230	12240		MFG. INDUCTOSYNS	.	*****	02DEC82	
12240	12250		TEST INDUCTOSYNS	.	***---	23DEC82	
12250	END02		INSTALL INDUCTOSYNS	.	PP	03FEB83	

01JAN82 01APR82 01JUL82 01OCT82 01JAN83 01APR83

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY TIME STATUS REPORT

PROGRAM ████████ 02DEC81 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANT012

RUN DATE 0 ████████

LEVEL DETAIL

PRED EVENT	SUCC EVENT	CY. CD.	ACTIVITY DESCRIPTION	TIME EST	SLACK PRIM. SEC.	EARLY START	DATES FINISH	LATE START	DATES FINISH	SCRPTD BY	EXP. DATE	DEPT
12000	12199		LOAD DUMMY	25.0	5.0	A08JUN81	02DEC81	13JUL81	08JAN82			XX
12030	12032		DESIGN ELECTRONICS PH 2	17.0	25.0	A10AUG81	09DEC81	05FEB82	08JUN82			JMP
12025	12070		BUILD BUS BASE	04.0	17.0	A10NOV81	09DEC81	16MAR82	13APR82			
12012	12009		BUILD TEMPL	06.0	17.0	A03NOV81	16DEC81	09MAR82	20APR82			
12020	12060		BIC, CONTRACT BUS	12.0	.0	A22SEP81	16DEC81	22SEP81	16DEC81			WGH
12060	12032		BUILD MODEL L.F BUS	02.0	22.0	16DEC81	31DEC81	25MAY82	08JUN82			DER
12005	12009		PREPARE JIG	18.0	12.0	A15SEP81	22JAN82	09DEC81	20APR82			
12010	12050		MAKE PANELS	22.0	12.0	A17AUG81	22JAN82	10NOV81	20APR82			JWF
12032	12034		DESIGN ELECTRONICS PH 3	05.0	22.0	31DEC81	05FEB82	08JUN82	13JUL82			JMP
12034	12200		MAN DUMMY	0000	22.0	05FEB82	05FEB82	13JUL82	13JUL82			XX
12009	12080		TEST JIG & TEMPL	03.0	12.0	22JAN82	15FEB82	20APR82	11MAY82			
12050	12080		TEST & SHIP MOUNT PANELS	03.0	12.0	22JAN82	15FEB82	20APR82	11MAY82			JWF
12060	12070		BUILD BUS	16.0	.0	16DEC81	13APR82	16DEC81	13APR82			WGH
12034	12160		BUILD ELECTRONICS	15.0	27.0	05FEB82	25MAY82	17AUG82	02DEC82			JMP
12199	12200		PRGC. INDUCTOSYNS PLATES	26.0	5.0	02DEC81	08JUN82	08JAN82	13JUL82			
12199	12240		INDUCTOSYN ELECTRONICS	30.0	26.0	02DEC81	06JUL82	08JUN82	06JAN83			