

**SPECIFICATION FOR
NEW
PASO ROBLES
No. 5 CROSSBAR
DIAL OFFICE**

OCTOBER 31, 1958

No. 9 MANUAL SWITCHBOARD REPLACEMENT

STEVE CICHORSKY

P.O. Box 2031

PASO ROBLES, CA 93447

TRAFFIC ORD. _____

SPEC NO 1-E-8251-1

DATE _____

OFFICE PASO ROBLES MAIN

PREFACE

THIS SPECIFICATION COVERS INITIAL EQUIPMENT REQUIRED FOR PASO ROBLES
NO. 5 CROSSBAR OFFICE, CONSISTING OF ONE 10,000 NUMBER UNITS IN ONE MARKER
GROUP.

THE ASSIGNMENT OF NUMERICAL PREFIXES IS AS FOLLOWS:

MKR. GRP. 0			MKR. GRP. 100		
UNIT	PHYSICAL	THEORETICAL	UNIT	PHYSICAL	THEORETICAL
0	CENTRAL 8	-	0	-	-
1	-	-	1	-	-
2	-	-	2	-	-
3	-	-	3	-	-

TRAFFIC DATA ON WHICH THIS SPECIFICATION IS BASED IS

PERIOD END FOR TRAFFIC ESTIMATES NOVEMBER

COMMERCIAL FORECAST DATED NOVEMBER 10,

<u>CLASS OF SERVICE</u>	<u>MAIN STATIONS</u>
P.B.X.-M.R.	-
P.B.X.-F.R.	250
IND.-BUS.	416
IND.-RES.	1,365
2-PARTY	633
4-PARTY	219
8-PARTY	812
COIN	155
TOTAL	3,850

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OFFICE PASO ROBLES MAIN

PREFACE (CONT'D)

OFFICE BUSY HOUR CALLING RATE AND HOLDING TIME

ORIGINATING			TERMINATING		TOTAL ORIG. CALLS
C.R	H.T	CCS/M.S	T/O RATIO	CCS/M.S	
<u>.67</u>	<u>142</u>	<u>.95</u>	<u>1.0</u>	<u>.95</u>	<u>2580</u>

ORIGINATING CCS (TOTAL) 3660

TERMINATING CCS (TOTAL) 3660

TOTAL CCS ORIG. TERM. AND MISC. 7320

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OFFICE PASO SOBLES MAIN

MAIN POWER PLANT DATA

TYPE	NUMBER INSTALLED INCL. PLANT MAINTENANCE	ENGINEERED DESIGN
LINE LINK FRAMES (ORIG. & TERM TRAFFIC)	5	6
TRUNK LINK FRAMES	3	4
MARKER - DIAL TONE	2	
MARKER - COMPLETING	2	
ORIGINATING REGISTERS	20	
INCOMING REGISTERS (DP)	5	
INCOMING REGISTERS (MF)	0	
OUTGOING SENDERS (DP)	0	
OUTGOING SENDERS (MF)	0	

DESCRIPTION	TYPE	QUANTITY	GRP. BH CCS
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MISCELLANEOUS

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAINTRUNK ESTIMATE 1961 BUSY SEASONESTIMATE DATED OCTOBER 31, 1958OUTGOING FROM NO. 5 CROSSBAR OFC.

<u>TRUNK GROUPS TO</u>	<u>1960 B.S. TRUNKS REQUIRED</u>	<u>TYPE OF PULSING</u>	<u>ROUTE RELAYS REQUIRED GROUND SUPPLY GROUPS NO'D.</u>			
			<u>1-4</u>	<u>5</u>	<u>6</u>	<u>TOT.</u>
INTRAOFFICE & REVERTING CALL						
FLAT	100	-				
MESSAGE (FEX)	2	-				
COIN	10	-				
REVERTING 2-PTY	2	-				
REVERTING 4&8-PTY	2	-				
SWITCHBOARD & DESK						
REC. & COMPL. - FLAT	20	-				
REC. & COMPL. - MESSAGE (FEX)	2	-				
REC. & COMPL. - COIN	17	-				
REC. & COMPL. - S.S. MAN. ORIG.	4	-				
LOCAL COMPL.	4	-				
INFORMATION	6	-				
INTERCEPTING	4	-				
REPAIR SERVICE	2	-				
COIN SUPERVISORY CIRCUITS	4	-				
MAINTENANCE						
LOCAL TEST DESK - "200"	2	-				
LOCAL TEST DESK - "600"	2	-				
STATION RINGER TEST - "960"	2	-				
MISCELLANEOUS						
TIME SERVICE	5	-				
COMMON OVERFLOW	30	-				
COMBINATION TONE - NONCOIN	10	-				
COMBINATION TONE - COIN	6	-				
PERMANENT SIGNAL HOLDING	6	-				
ORIGINATING REGISTERS	20	-				
ROUTE RELAYS REQUIRED FOR MARKER			<u>17</u>	<u>2</u>	<u>3</u>	<u>22</u>
TOTAL RELAYS PROVIDED PER MARKER			<u>30</u>	<u>5</u>	<u>5</u>	<u>40</u>
PREROUTE PEG COUNT ROUTE RELAYS REQUIRED PER MARKER						0

TRAFFIC ORD. _____

DATE _____

OFFICE PASO ROBLES MAIN

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ENGINEER S. E. KLINE

TEL. NO. EX. 9-3275

CHECKER A. C. SJOLSETH

TEL. NO. EX. 9-3245

GENERAL - SECTION A

GENERAL INFORMATION

(T) BASIS OF TRAFFIC ORDER

1. THIS OFFICE WILL HAVE A TOTAL OF 2950 LINES AND 5000 NUMBERS.
2. THE OFFICE NAME IS CENTRAL 8.
3. MARKER CLASSES OF SERVICE ARE PROVIDED AS FOLLOWS:

<u>CLASSES OF SERVICE</u>	<u>TYPE OF RINGING</u>	<u>NO. OF MARKER CLASS OF SVC.</u>
MESSAGE RATE	SELECTIVE	1
FLAT RATE - INDIVIDUAL	"	1
- PBX	"	1
- 2 PTY	"	1
- 4 PTY Ø	FULL - SEL.	1
- 8 PTY CB SUBN. Ø	SEMI - SEL.	1
- 8 PTY CB SVC. Ø	" - "	1
COIN BOX - PUB. & SEMI - PUB.	SELECTIVE	1
MANUAL ORIGINATING LINES	"	1
MISC. LLF TRUNKS	-	1
TOTAL CLASSES OF SERVICE		10 #

ØSEPARATED FOR PEG COUNT PURPOSES.

#ALL CLASSES SERVED ON A NUMBER PER STATION BASIS.

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OFFICE PASO ROBLES MAIN

(T)BASES OF TRAFFIC ORDER (CONT'D)

4. AUTOMATIC MESSAGE ACCOUNTING (AMA) EQUIPMENT IS NOT PROVIDED.
5. THERE WILL BE NO EXTENDED DIALING TO OR FROM PASO ROBLES.
6. SERVICE LINES WILL BE SERVED ON AN 8-PARTY SEMI-SELECTIVE RINGING BASIS.
7. ESSENTIAL LINES CAN BE GIVEN PREFERENTIAL TREATMENT BY ASSIGNMENT IN THE "02" LINE LINK VERTICAL GROUPS IN ACCORDANCE WITH STANDARD NO. 5 CROSSBAR DESIGN.
8. THE 0001-0059 NUMBER SERIES SHOULD BE RESERVED FOR OFFICIAL LINES FOR CALLS AND TESTS, 0710-0712 NUMBER SERIES FOR TRUNK TEST.
9. THERE WILL BE NO EMERGENCY MANUAL LINES IN THE OFFICE.
10. A SPECIAL CLASS OF SERVICE CODE HAS BEEN PROVIDED TO CAUSE THE MARKER TO ROUTE CERTAIN DESIGNATED LINES TO "SPECIAL SERVICE REC.-COMPL." TRUNKS TERMINATING ON THE NO. 1 TOLL SWITCHBOARD. THIS EQUIPMENT WILL ALLOW HANDICAPPED PERSONS TO REACH AN OPERATOR WITHOUT DIALING. THE OPERATOR WILL THEN COMPLETE ALL CALLS.
11. CAMP ROBERTS POSTPAY COIN STATIONS WILL BE SERVED MANUALLY FROM THE NO. 1 TOLL SWITCHBOARD. THEY WILL BE ASSIGNED REGULAR SUBSCRIBER NUMBERS IN THE COIN SERIES OF THE NO. 5 CROSSBAR OFFICE, BUT WILL NOT HAVE LINE LINK FRAME APPEARANCES.

CALLS FROM THESE COIN STATIONS WILL COME IN TO THE SWITCHBOARD AND WILL BE COMPLETED BY THE OPERATOR.

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DATE _____

OFFICE PASO ROBLES MAIN

(T) BASES OF TRAFFIC ORDER (CONT'D)

11. (CONT'D)

INCOMING CALLS FROM AND VIA THE NO. 5 CROSSBAR OFFICE TO THESE STATIONS WILL BE ROUTED OVER A SPECIAL GROUP OF INTERCEPT-TYPE TRUNKS TO ANSWERING JACKS ON THE SWITCHBOARD AND COMPLETED BY THE OPERATOR.

12. ALL LONG DISTANCE AND ASSISTANCE TRAFFIC WILL **BE HANDLED** VIA "O" OPERATOR TRUNKS AT THE PASO ROBLES NO. 1 TOLL **AND** DSA SWITCHBOARD.

13. TROUBLE INTERCEPTING WILL BE SERVED FROM THE PASO ROBLES NO. 1 SWITCHBOARD. NUMBER CHANGE, VACANT CODE AND DISCONNECTED NUMBER INTERCEPTED TRAFFIC WILL BE SERVED FROM THE PASO ROBLES NO. 7-A DESK.

14. EQUIPMENT IS PROVIDED TO ENABLE CUSTOMERS ON FLAT RATE 2-, 4-, AND 8-PARTY LINES TO DIAL THEIR REVERTING CALLS WITHOUT THE ASSISTANCE OF AN OPERATOR.

15. EQUIPMENT IS PROVIDED TO PERMIT ALL CLASSES OF SERVICE TO DIAL THE FOLLOWING CODES:

<u>LISTED CODE</u>	<u>SERVICE</u>	<u>HANDLED AT</u>
0	OPR. (TOLL ASSISTANCE)	PSO R NO. 1 SWBD.
113	INFORMATION	" " NO. 7-A DESK
114	REPAIR SERVICE	" " *REP. SVC. DESK
RO 7-8900	TIME SERVICE	TIME ANN. SVC. - S.F.

*TRANSFER AT NIGHT TO PSO R SWBD.

TRAFFIC ORD. _____

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DATE _____

OFFICE PASO ROBLES MAIN

(T)BASIS OF TRAFFIC ORDER (CONT'D)

16. ALL STATIONS WILL BE GIVEN STANDARD 7-DIGIT NUMBERS (2 LETTERS, 5 NUMBERS) IN THE 238-0000 THROUGH 238-4999 SERIES.

THE 9XXX NUMBER SERIES IS SUPERIMPOSED ON THE 2XXX NUMBER SERIES FOR COIN. COIN DEVELOPMENT ONLY WILL BE ASSIGNED IN THE 9XXX SERIES, ON A PRE-PAYMENT BASIS.

(NOTE: CAMP ROBERTS COIN STATIONS WILL ALSO BE ASSIGNED IN THE 9XXX SERIES, BUT THESE STATIONS WILL BE SERVED ON A POSTPAYMENT BASIS.)

OFFICIAL LINES FOR CALLS AND TESTS WILL BE ASSIGNED NUMBERS IN THE 238-0000 THROUGH 238-0059 SERIES. ANY ADDITIONAL NUMBERS REQUIRED FOR PLANT TEST CODES, TEST NUMBERS AND CALL LINES CAN BE FOUND IN PLANT DEPARTMENT MEMORANDUM A 309.898 AND A 309.899.

17. THIS OFFICE IS NOT ARRANGED FOR TANDEM SWITCHING.

18. THIS OFFICE IS ARRANGED TO WORK WITH THE FOLLOWING SWITCHBOARDS AND DESKS:

PASO ROBLES NO. 1 TOLL & DSA SWITCHBOARD

" " NO. 7-A INFORMATION-INTERCEPT DESK

" " NO. 2 REPAIR SERVICE DESK

" " NO. 14 LOCAL TEST DESK

CENTRAL TIME SERVICE EQUIPMENT IN SAN FRANCISCO

DATE _____

OFFICE PASO ROBLES MAINGENERAL NOTES

1. THIS SPECIFICATION COVERS THE ARRANGEMENT IN ONE 10,000 NUMBER UNIT FOR A NEW NO. 5 CROSSBAR OFFICE.
2. 1,2 & 4 PARTY FULL SELECTIVE AND 8 PARTY SEMI-SELECTIVE RINGING WILL BE EMPLOYED.
3. THIS OFFICE WILL NOT BE EQUIPPED WITH AMA INITIALLY BUT SHOULD BE ARRANGED FOR SAME AT A LATER DATE.
4. IT IS PLANNED THAT ONE CROSSBAR UNIT WILL BE LOCATED IN THIS BUILDING.
5. THE OFFICE DIALING CODES WILL CONSIST OF 3 DIGITS. FURTHER DETAILS OF THE ACTUAL DIALING CODES ASSOCIATED WITH EACH OFFICE WILL BE GIVEN UNDER THE MARKER CROSS CONNECTION LIST.
6. THIS EQUIPMENT WILL REPLACE THE NO. 9 MANUAL MAIN OFFICE.
7. THE EQUIPMENT PROVIDED HEREIN WILL BE REQUIRED TO WORK WITH A NO. 1 TOLL AND DSA SWITCHBOARD, A SXS INTERTOLL NETWORK TO HANDLE INCOMING INTERTOLL CALLS, A NO. 7-A DESK TO HANDLE INFORMATION AND INTERCEPT TRAFFIC, A NO. 14 LOCAL TEST DESK AND A NO. 2 REPAIR SERVICE DESK, ALL IN THE SAME BUILDING.
8. ALL OUTGOING INTERTOLL TRAFFIC WILL BE HANDLED SOLELY FROM THE SWITCHBOARD. NEITHER TANDEM NOR INTERTOLL TRUNKS WILL BE TERMINATED ON THE CROSSBAR FRAMES INITIALLY. SEE TRUNKING DIAGRAM NC-5360-11-4G.
9. EARTHQUAKE PROTECTION SHALL BE FURNISHED.
10. SUBSCRIBERS LINES WILL BE EQUIPPED WITH TUBE TYPE SUBSETS.
11. COIN RETURN POTENTIAL SHALL BE NEGATIVE.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

12. ADVANCE INSTALLATION OF THE FOLLOWING IS DESIRED:

A. MDF 2 WEEKS AFTER JOB STARTS.

B. LOCAL TEST DESK 1 MONTH BEFORE TURNOVER.

DATE _____

OFFICE PASO ROBLES MAINGENERAL NOTES (CONT'D)

13. POINTS NOT COVERED IN THESE SPECIFICATIONS ARE, UNDERSTOOD TO FOLLOW THE STANDARD A.T. & T. COMPANY'S PRACTICES, B.S.P. SECTION AA614.018 AND THE ADDENDUM AND WESTERN ELECTRIC COMPANY'S GENERAL PRACTICE. WHERE THERE IS QUESTION AS HOW TO PROCEED, THE TELEPHONE COMPANY'S ENGINEERING DEPARTMENT SHALL BE CONSULTED.
14. THE OFFICE SHALL NOT BE PROVIDED PER PEL-5807.
15. CONNECTOR FRAMES ARE ORDERED EQUIPPED WITH CONNECTORS FOR FUTURE FRAMES. CABLING TO THESE FUTURE FRAMES SHALL NOT BE INSTALLED AT THIS TIME.
16. THIS OFFICE IS DESIGNED FOR SUBSCRIBERS LINES THAT HAVE A MAXIMUM EXTERNAL LOOP RESISTANCE OF 1400 OHMS EXCLUSIVE OF THE SUBSET.
17. THIS JOB REQUIRES COORDINATION WITH OTHER JOBS. SEE CHIEF ENGINEERS SCHEDULE.
18. THE ASSOCIATED TOLL SWITCHBOARD AND OPERATING ROOM DESK EQUIPMENT IS COVERED IN SPECIFICATION 1E-8251-2.
19. ASSOCIATED TOLL TERMINAL EQUIPMENT IS COVERED IN SPECIFICATION 1E-7789.
20. COIN SUBSCRIBERS SHALL BE ASSIGNED IN THE 9700-9999 SERIES.
THE 9 THOUSAND NUMBER SERIES WILL BE SUPERIMPOSED ON THE 2 THOUSAND NUMBER SERIES.
21. TIME SERVICE WILL BE PROVIDED FROM THE SAN FRANCISCO CENTRAL TIME SERVICE BUREAU VIA SAN LUIS OBISPO.

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

22. DURING THE DAY SERVICES WILL BE HANDLED AS FOLLOWS:

TROUBLE INTERCEPTING	NO. 1 TOLL SWBD.
REGULAR INTERCEPTING	NO. 7-A DESK
INFORMATION	" " "
CHARGE CALLS	" " "
RATE & ROUTE	NO. 23-D DESK AT SAN LUIS OBISPO
REPAIR SERVICE	NO. 2 REPAIR SERVICE DESK

AT NIGHT CALLS WILL BE TRANSFERRED FROM THE 7-A DESK AND THE NO. 2 REPAIR DESK TO THE NO. 1 TOLL SWITCHBOARD. OTHER SERVICES WILL BE HANDLED THE SAME WAY THEY ARE HANDLED DURING THE DAY.

23. THIS OFFICE IS BEING ARRANGED TO OPERATE ON A VIA NET LOSS BASIS.

24. SERVICE ~~OBSERVING~~ EQUIPMENT IS NOT BEING PROVIDED ON THIS ORDER.

25. ALL COIN STATIONS (APPROXIMATELY 52) AT CAMP ROBERTS ARE TO BE TERMINATED ON THE NO. 1 TOLL SWITCHBOARD IN THIS BUILDING AND SERVED ON A MANUAL POST PAYMENT BASIS.

ALTHOUGH THESE COIN STATIONS WILL HAVE REGULAR SUBSCRIBERS NUMBERS IN THE 9000 NUMBER SERIES THEY WILL NOT HAVE DIRECT ACCESS TO OR FROM THE DIAL EQUIPMENT.

CALLS FOR THESE MANUAL LINES WILL BE ROUTED OVER A GROUP OF SPECIAL COMPLETING TRUNKS FROM LINE LINK FRAMES TO AN OPERATOR AT THE TOLL BOARD. THESE TRUNKS AS WELL AS CERTAIN CORD CIRCUITS FOR USE WITH THESE TRUNKS WILL BE MODIFIED SO THAT AN ANSWERED CONDITION WILL NOT BE RETURNED WHEN THE OPERATOR ANSWERS BUT WILL BE RETURNED WHEN THE CALLED STATION ANSWERS.

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

25. (CONT'D)

AT THE NUMBER GROUP FRAME THESE LINES WILL BE PLACED IN ONE TERMINAL HUNTING GROUP APPEARING IN 6 TENS BLOCKS ON FRAME 02. SINCE THESE LINES HAVE NO SLEEVE CONNECTION TO THE LINE LINK FRAME THEY WILL ALL TEST BUSY. THE COMPLETING TRUNKS ON THE LINE LINK FRAME WILL BE ASSIGNED TO NUMBER GROUP TERMINALS IN THE TENS BLOCK WITH THE HIGHEST NUMBERED COIN STATIONS. THE LINES AND THE TRUNKS WILL BE ARRANGED IN ONE TERMINAL HUNTING GROUP FOR REGULAR BLOCK HUNTING. SINCE ALL BLOCKS WILL CONTAIN DIRECTORY NUMBERS, HUNTING MAY START IN ANY BLOCK AND PROCEED BLOCK AT A TIME TO THE LAST BLOCK WHERE TRUNK SELECTION WILL TAKE PLACE AND THE INCOMING CALL EXTENDED TO THE TOLL SWITCHBOARD FOR MANUAL COMPLETION.

26. A BLOCK OF 200 CONSECUTIVE NUMBERS SHALL BE RESERVED ON ONE NUMBER GROUP FRAME FOR FUTURE TANDEM TYPE INTERTOLL TRUNKS. NUMBERS 4100-4299 SHALL BE USED FOR THIS PURPOSE.

27. NUMBERS 0001-0059 & 0710-0712 IN THE REGULAR NUMBER SERIES SHALL BE RESERVED FOR OFFICIAL LINES AND FOR PLANT USE.

28. INITIALLY COIN NUMBERS WILL BE ASSIGNED IN THE 97XX, 98XX AND 99XX HUNDRED GROUPS.

29. PROVIDE ONE ADDITIONAL SET OF BASE NUMBER CENTRAL OFFICE JOB DRAWINGS EXCLUDING POWER DRAWINGS AND SENT TO:

TRAFFIC FACILITIES ENGINEER
THE PACIFIC TEL. & TEL. CO.
583 MARKET STREET, ROOM 204
SAN FRANCISCO 5, CALIFORNIA

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

30. THE BUILDING AND FLOOR PLAN ARRANGEMENT OF THIS OFFICE IS SIMILAR TO THE ARRANGEMENT AT DINUBA, CALIFORNIA.

31. THE INSTALLER SHALL PERFORM THE FOLLOWING WORK OPERATIONS IN ADDITION TO THOSE COVERED IN ADDENDUM TO AA614.008, ISSUE B.

- A. DIAL TONE TEST
- B. NO DIAL TONE TEST
- C. PLACE BLOCKING TOOLS AT LINE RELAYS
- D. INSTALL MULTIPLE-TO-MULTIPLE TEST SETS
- E. CLEAR TROUBLES FOUND ON MULTIPLE TO MULTIPLE TESTING
- F. MAINTAIN SUBSCRIBER LINE CROSS CONNECTION CHANGES UP TO CUTOVER
- G. REMOVE MULTIPLE-TO-MULTIPLE TEST SET

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DATE _____

OFFICE PASO ROBLES MAIN

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ENGINEER: S. E. KLINE

TEL. NO.: EX. 9-3275

CHECKER: A. C. SJOLSETH

TEL. NO.: EX. 9-3245

SUMMARY OF EQUIPMENT - SECTION B

	<u>INITIAL</u>	<u>(ADDITIONAL)</u>	<u>ULT.</u>
(T) SUBSCRIBER NUMBERS, TOTAL	<u>5,000</u>	_____	_____
(T) TRUNK NUMBERS, TOTAL	<u>0</u>	_____	_____
(T) DIAL SUBSCRIBER LINE RELAYS, TOTAL	<u>2,950</u>	_____	_____

THE SUBSCRIBER LINE RELAYS GIVEN
ABOVE, ARE INCLUDED HERE MERELY AS
A TRAFFIC RECORD.

(T) LINE LINK EQUIPMENT

LINE LINK FRAMES, TOTAL	<u>5</u>	_____	_____
290 LINE CAPACITY	<u>0</u>	_____	_____
390 LINE CAPACITY	<u>0</u>	_____	_____
490 LINE CAPACITY	<u>0</u>	_____	_____
590 LINE CAPACITY	<u>5</u>	_____	<u>NOTE 3</u>
___ LINE CAPACITY	_____	_____	_____

JUNCTOR GROUPING EQUIPMENT

JUNCTOR GROUPING FRAMES	<u>1</u>	_____	_____
JUNCTOR GROUPING FRAMES, SUPPLEMENTARY	<u>0</u>	_____	_____

(T) TRUNK LINK EQUIPMENT

TRUNK LINK FRAMES	<u>3</u>	_____	_____
TRUNK LINK EXTENSION FRAMES	<u>0</u>	_____	_____

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OFFICE PASO ROBLES MAIN

(T) TRUNK EQUIPMENT

FOR THE DETAILED BREAKDOWN OF TRUNKS MENTIONED IN THE FOLLOWING
MAJOR TYPES, REFER TO TRUNKS UNDER "MISCELLANEOUS EQUIPMENT - SECTION D".

	<u>INITIAL</u>	<u>(ADDITIONAL)</u>	<u>ULT.</u>
TRUNKS, TOTAL	<u>430</u>	_____	_____
A. INTRAOFFICE & REVERTING CALL	<u>118</u>	_____	_____
B. INCOMING - EXCEPT INTERTOLL & MAINTENANCE	<u>53</u>	_____	_____
C. OUTGOING FULL SELECTOR - EXCEPT INTERTOLL	<u>0</u>	_____	_____
D. OUTGOING TO SWITCHBOARDS & DESKS - EXCEPT INTERTOLL & MAINTENANCE	<u>56</u>	_____	_____
E. MAINTENANCE	<u>15</u>	_____	_____
F. LINE LINK FRAME	<u>4</u>	_____	_____
G. MISCELLANEOUS LINES, CIRCUITS, CONTROL & INDICATING UNITS (EXCEPT COIN SUPERVISORY CIRCUITS)	<u>184</u>	_____	_____
H. MARKER PULSE CONVERSION - EXCEPT INTERTOLL	_____	_____	_____
J. INTERMARKER GROUP	_____	_____	_____
K. INTERTOLL	_____	_____	_____
L. COMBINATION TOLL SWITCHING WITH OUTGOING & TANDEM COMPLETING	_____	_____	_____
M. 2-WAY TO CDO	_____	_____	_____
N. OTHER TRUNKS FOR TOLL CENTERS	_____	_____	_____

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OFFICE PASO ROBLES MAIN(T) OUTGOING SENDER LINK EQUIPMENT

	<u>INITIAL</u>	<u>(ADDITIONAL)</u>	<u>ULT.</u>
OUTGOING SENDER LINK FRAMES, TOTAL	<u>0</u>	_____	_____
OUTGOING SENDER LINK FRAMES EQUIPPED WITH _____ SWITCHES	<u>0</u>	_____	_____
OUTGOING SENDER LINK FRAMES EQUIPPED WITH _____ SWITCHES	<u>0</u>	_____	_____
OUTGOING SENDER LINK FRAMES EQUIPPED WITH _____ SWITCHES	<u>0</u>	_____	_____
OUTGOING SENDER LINK FRAMES EQUIPPED WITH _____ SWITCHES	<u>0</u>	_____	_____

(T) COIN SUPERVISORY LINK EQUIPMENT

COIN SUPERVISORY LINK FRAMES, TOTAL	<u>1</u>	_____	_____
COIN SUPERVISORY CIRCUITS, TOTAL	<u>4</u>	_____	_____

(T) INCOMING REGISTER LINK EQUIPMENT

INCOMING REGISTER LINK FRAMES, TOTAL	<u>1</u>	_____	_____
INCOMING DIAL PULSING REGISTER LINK FRAMES (BY-LINK)	<u>0</u>	_____	_____
INCOMING DIAL PULSING REGISTER LINK FRAMES (NON BY-LINK) & (BY-LINK)	<u>1</u>	_____	_____
INCOMING MULTI-FREQUENCY PULSING REGISTER LINK FRAMES	<u>0</u>	_____	_____
INCOMING REVERTIVE PULSING REGISTER LINK FRAMES	<u>0</u>	_____	_____

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OFFICE PASO ROBLES MAIN

(T) ORIGINATING REGISTER EQUIPMENT

	<u>INITIAL</u>	<u>(ADDITIONAL)</u>	<u>ULT.</u>
ORIGINATING REGISTER FRAMES	<u>3</u>	_____	_____
ORIGINATING REGISTER LINE MEMORY FRAMES	<u>1</u>	_____	_____
ORIGINATING REGISTERS U & Y	<u>0</u>	_____	_____
ORIGINATING REGISTERS WIRE SPRING	<u>20</u>	_____	_____

(T) INCOMING REGISTER EQUIPMENT

INCOMING REGISTER FRAMES, TOTAL	<u>2</u>	_____	_____
INCOMING DIAL PULSING REGISTER FRAMES	<u>2</u>	_____	_____
INCOMING DIAL PULSING REGISTERS	<u>5</u>	_____	_____
INCOMING MULTI-FREQUENCY REGISTER FRAMES	<u>0</u>	_____	_____
INCOMING MULTI-FREQUENCY REGISTERS	<u>0</u>	_____	_____
INCOMING REGISTER FRAMES (NON WSP. REL.)	<u>0</u>	_____	_____
INCOMING REVERTIVE PULSING REGISTERS	<u>0</u>	_____	_____

(T) OUTGOING SENDER EQUIPMENT

OUTGOING SENDER FRAMES, TOTAL	<u>0</u>	_____	_____
OUTGOING DIAL PULSING SENDER FRAMES	<u>0</u>	_____	_____
OUTGOING DIAL PULSING SENDERS	<u>0</u>	_____	_____
OUTGOING MULTI-FREQUENCY PULSING SENDER FRAMES	<u>0</u>	_____	_____

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OFFICE PASO ROBLES MAIN(T) OUTGOING SENDER EQUIPMENT (CONT'D)

	<u>INITIAL</u>	<u>(ADDITIONAL)</u>	<u>ULT.</u>
OUTGOING MULTI-FREQUENCY PULSING SENDERS	<u>0</u>	<u> </u>	<u> </u>
OUTGOING REVERTIVE PULSING SENDER FRAMES	<u>0</u>	<u> </u>	<u> </u>
OUTGOING REVERTIVE PULSING SENDERS	<u>0</u>	<u> </u>	<u> </u>

(T) INTERMARKER GROUP SENDER EQUIPMENT

	<u>INITIAL</u>	<u>(ADDITIONAL)</u>	<u>ULT.</u>
INTERMARKER GROUP SENDER FRAMES	<u>0</u>	<u> </u>	<u> </u>
INTERMARKER GROUP SENDERS	<u>0</u>	<u> </u>	<u> </u>

CONNECTOR EQUIPMENT

	<u>ARRANGED FOR MARKERS</u>	<u>FRAME CAPACITY FOR CON- NECTORS</u>	<u>INITIAL</u>	<u>(ADD'L)</u>	<u>ULT.</u>
(T) LINE LINK CONNECTOR FRAMES, TOTAL			<u>1</u>	<u> </u>	<u> </u>
BASIC	0-9 (4)	5	<u>1</u>	<u> </u>	<u>NOTE 2</u>
SUPL.	10-11()	14	<u>0</u>	<u> </u>	<u> </u>
(T) LINE LINK CONNECTORS TOTAL			<u>5</u>	<u> </u>	<u> </u>
BASIC	0-9 (4)	5	<u>5</u>	<u> </u>	<u>NOTE 2</u>
SUPL.	10-11()	14	<u>0</u>	<u> </u>	<u> </u>
(T) TRUNK LINK CONNECTORS FRAMES, TOTAL			<u>1</u>	<u> </u>	<u> </u>
	0-9 (4)	3	<u>1</u>	<u> </u>	<u> </u>
	0-7 ()	3	<u>0</u>	<u> </u>	<u> </u>
SUPL. CONN. FRAMES TOTAL	8-11()	10	<u>0</u>	<u> </u>	<u> </u>

() EQUIP

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OFFICE PASO ROBLES MAIN

	CONNECTOR EQUIPMENT (CONT'D)	ARRANGED FOR MARKERS	FRAME CAPACITY FOR CON- NECTORS	INITIAL	(ADD'L)	ULT.
(T)	TRUNK LINK CONNECTORS, TOTAL	0-9 (4)	3	<u>3</u>	_____	_____
		0-7 ()	3	<u>0</u>	_____	_____
	SUPPLEMENTARY, TOTAL	8-11 ()	10	<u>0</u>	_____	_____
(T)	TRUNK LINK CONNECTOR CONTROL FRAMES	0-11 (4)	20	<u>1</u>	_____	_____
(T)	NUMBER GROUP CONNECTOR FRAMES, TOTAL			<u>1</u>	_____	_____
(T)	NUMBER GROUP CONNECTORS	0-7 ()	5	<u>0</u>	_____	_____
	SPLIT BASIC	0-3 (2)	10	<u>10</u>	_____	_____
(T)	NUMBER GROUP CONNECTOR CONTROL FRAMES	0-7 (2)	24	<u>1</u>	_____	_____
(T)	ORIGINATING REGISTER MARKER CONNECTOR FRAMES 11 DIGITS TOTAL			<u>1</u>	_____	_____
(T)	ORIGINATING REGISTER MARKER CONNECTORS	0-7 (2)	4	<u>4</u>	_____	_____
(T)	INCOMING REGISTER MARKER CONNECTOR FRAMES, 11 DIGITS TOTAL			<u>1</u>	_____	_____
(T)	INCOMING REGISTER MARKER CONNECTORS	0-7 (2)	4	<u>2</u>	_____	_____
(T)	LINE LINK MARKER CONNECTOR FRAMES			<u>1</u>	_____	_____

() EQUIP

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAINCONNECTOR EQUIPMENT (CONT'D)

	<u>ARRANGED FOR MARKERS</u>	<u>FRAME CAPACITY FOR CON- NECTORS</u>	<u>INITIAL</u>	<u>(ADD'L)</u>	<u>ULT.</u>
(T) LINE LINK MARKER CONNECTORS	0-3 (2)	20	<u>10</u>	<u> </u>	<u> </u>
(T) OUT SENDER CONNECTOR FRAMES			<u>0</u>	<u> </u>	<u> </u>
(T) OUT SENDER CONNECTORS	0-7 ()	4	<u>0</u>	<u> </u>	<u> </u>
MASTER TEST CONNECTOR FRAMES, TOTAL			<u>2</u>	<u> </u>	<u> </u>
REGULAR	(A) 0-5 (2)	1	<u>1</u>	<u> </u>	<u> </u>
DIAL TONE	(A) 0-5 (2)	1	<u>1</u>	<u> </u>	<u> </u>
SUPPLEMENTARY MASTER TEST FRAME CONNECTOR FRAMES, TOTAL			<u>0</u>	<u> </u>	<u> </u>
1 PER COMBINED OR COMPLETING MARKER GROUP	(B) 6-8 ()	1	<u>0</u>	<u> </u>	<u> </u>
1 PER COMBINED OR COMPLETING MARKER GROUP	(C) 9-11()	1	<u>0</u>	<u> </u>	<u> </u>
AUXILIARY MASTER TEST FRAME CONNECTOR FRAMES FOR AMA. 1 PER MARKER GROUP, EQUIPPED FOR			<u>0</u>	<u> </u>	<u> </u>
TRANSVERTERS		6	<u>0</u>	<u> </u>	<u> </u>
REGULAR RECORDERS		11	<u>0</u>	<u> </u>	<u> </u>

() EQUIP

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OFFICE PASO ROBLES MAIN(T) MARKER EQUIPMENT

	<u>INITIAL</u>	<u>(ADDITIONAL)</u>	<u>ULT.</u>
NO. OF MARKERS	<u>4</u>	<u> </u>	<u> </u>
COMMON EQUIPMENT FRAMES - TOTAL	<u>2</u>	<u> </u>	<u> </u>
DIAL TONE MARKERS	<u>2</u>	<u> </u>	<u> </u>
COMPLETING MARKERS	<u>2</u>	<u> </u>	<u> </u>
TRANSLATOR AND CODE TREATMENT FRAMES, 1 PER COMPLETING MARKER FOR 60 SERVICE TREATMENT RELAYS (0-59), TOTAL	<u>2</u>	<u> </u>	<u> </u>
SERVICE TREATMENT RELAYS-PER MARKER	<u>36</u>	<u> </u>	<u> </u>
ROUTE RELAY FRAMES - TOTAL	<u>1</u>	<u> </u>	<u> </u>
ROUTE RELAYS - TOTAL	<u>80</u>	<u> </u>	<u> </u>
ROUTE RELAYS PER MARKER	<u>40</u>	<u> </u>	<u> </u>
CODE CONVERSION FRAMES - TOTAL	<u>0</u>	<u> </u>	<u> </u>
CODE CONVERSION PREROUTE			
RELAYS - PER MARKER	<u>0</u>	<u> </u>	<u> </u>
SUPPLEMENTARY SERVICE TREATMENT RELAY FRAME - TOTAL	<u>0</u>	<u> </u>	<u> </u>
P.B.X. ALIOTTER FRAME - TOTAL	<u>0</u>	<u> </u>	<u> </u>

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OFFICE Pass Rables Main(T) FOREIGN AREA TRANSLATOR EQUIPMENT

	<u>INITIAL</u>	<u>ADDITIONAL</u>	<u>ULTIMATE</u>
FOREIGN AREA TRANSLATOR CONNECTOR FRAMES	<u>0</u>	_____	_____
FOREIGN AREA TRANSLATOR CONNECTORS	<u>0</u>	_____	_____
FOREIGN AREA TRANSLATOR FRAMES	<u>0</u>	_____	_____
FOREIGN AREA ROUTE INDICATIONS, TOTAL	<u>0</u>	_____	_____
FOREIGN AREA ROUTE INDICATIONS FOR AREAS 1,2 & 3, TOTAL	<u>0</u>	_____	_____
ROUTE INDICATIONS			
FOREIGN AREA ROUTE INDICATIONS FOR AREAS 4,5 & 6, TOTAL	<u>0</u>	_____	_____
ROUTE INDICATIONS			

(T) PRETRANSLATOR EQUIPMENT

PRETRANSLATOR FRAMES	<u>0</u>	_____	_____
PRETRANSLATOR AND PRETRANSLATOR CONNECTORS	<u>0</u>	_____	_____

(T) NUMBER GROUP EQUIPMENT

NUMBER GROUP FRAME	<u>5</u>	_____	_____
TRUNK NUMBER GROUP FRAMES	<u>0</u>	_____	_____

(T) AUTOMATIC MESSAGE ACCOUNTING EQUIPMENT

RECORDER FRAMES	<u>0</u>	_____	_____
RECORDERS, REGULAR	<u>0</u>	_____	_____
RECORDERS, EMERGENCY, 1 PER MARKER GROUP	<u>0</u>	_____	_____

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

(T) TRAFFIC USAGE RECORDER AND TRAFFIC USAGE REGISTER EQUIPMENT

	<u>INITIAL</u>	<u>ADDITIONAL</u>	<u>ULTIMATE</u>
TRAFFIC USAGE RECORDER FRAME	<u>0</u>	_____	_____
TRAFFIC USAGE REGISTER CABINET	<u>0</u>	_____	_____
<u>OTHER FRAMES</u>			
(T) TRAFFIC REGISTER FRAMES	<u>1</u>	_____	_____
(T) TRAFFIC REGISTER CABINETS	<u>1</u>	_____	_____
MESSAGE REGISTER BAYS	<u>0</u>	_____	_____
OFFICE INTERRUPTER FRAMES	<u>1</u>	_____	_____
MULTI-FREQUENCY CURRENT SUPPLY BAYS	<u>(1)</u>	_____	<u>NOTE 1</u>
SERVICE OBSERVING JACK BAYS	<u>0</u>	_____	_____
ALARM FRAME	<u>1</u>	_____	_____
<u>TEST FRAMES</u>			
MASTER TEST FRAME	<u>1</u>	_____	_____
CONTROL BAY	<u>1</u>	_____	_____
RECORDER	<u>1</u>	_____	_____
AUTOMATIC MONITOR BAY	<u>0</u>	_____	_____
REGISTER AND SENDER TEST BAY	<u>0</u>	_____	_____
AUX. REGISTER AND SENDER TEST BAY	<u>0</u>	_____	_____
JACK BAY	<u>1</u>	_____	_____
OUTGOING TRUNK TEST FRAME	<u>0</u>	_____	_____

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OFFICE PASO ROBLES MAIN

<u>TEST FRAMES (CONT'D)</u>	<u>INITIAL</u>	<u>ADDITIONAL</u>	<u>ULTIMATE</u>
OUTGOING TRUNK TEST AND MAKE BUSY JACK BAY	<u>0</u>	_____	_____
LINE INSULATION TEST FRAME (ARRANGED WITH TRAFFIC USAGE FEATURE)	<u>0</u>	_____	_____
AUTOMATIC PROGRESSION TRUNK TEST FRAME	<u>0</u>	_____	_____
<u>DISTRIBUTING FRAME AND RELAY RACK</u>			
MAIN DISTRIBUTING FRAME, VERTICALS	<u>37</u>	_____	_____
RELAY RACK FRAMES	<u>AS REQ'D</u>	_____	_____
POWER RINGING AND TONE DISTRIBUTING FRAME	<u>AS REQ'D</u>	_____	_____

MISCELLANEOUS CIRCUITS AND EQUIPMENT NOT COVERED HEREIN BUT
NECESSARY FOR THE PROPER FUNCTIONING OF THE VARIOUS UNITS OF EQUIPMENT
SHALL BE FURNISHED IN ACCORDANCE WITH STANDARD ARRANGEMENTS.

NOTES

1. THE MFCS BAY WILL BE FURNISHED BY THE TEL. CO. AND IS COVERED IN THE SPECIFICATION FOR THE TOLL SWITCHBOARD.

2. A LINE LINK CONNECTOR FRAME EQUIPPED WITH 5 CONNECTORS WILL BE FURNISHED BY THE TEL. CO. A DESCRIPTION OF THE EQUIPMENT WILL BE FOUND IN SECTION L OF THIS SPECIFICATION.

3. FURNISH ALL THREE 100 LIVE SPLIT SUPPLEMENTARY LINE LINK FRAMES FULLY EQUIPPED (200 LINES EACH - TOTAL 600) TO SERVE PRESENT LINE LINK FRAMES 00 TO 04 AND FUTURE FRAME 05.

TRAFFIC ORD. _____

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DATE _____

ENGINEER S. E. KLINE

OFFICE PASO ROBLES MAIN

TEL. NO. EX. 9-3275

CHECKER A. C. SJOLSETH

TEL. NO. EX. 9-3245

CROSSBAR FRAME EQUIPMENT - SECTION C

THE QUANTITIES OF NO. 5 CROSSBAR EQUIPMENTS AND FRAMES SHALL BE PROVIDED AS COVERED IN SECTION B. FURTHER DETAILS OF THESE EQUIPMENTS, WHERE NECESSARY ARE COVERED IN THE FOLLOWING PAGES.

LINE LINK EQUIPMENT

THE STANDARD NUMBER OF SLEEVE LEADS SHALL BE CABLED TO THE MDF.

FURNISH 0 3P34A CORDS FOR CONNECTING LINE SWITCH VERTICALS TO SO & TD JACKS FOR SERVICE OBSERVING.

FURNISH 0 P15A417 CORD HOLDERS FOR HOLDING 3P34A OBSERVING CORD.

FURNISH 0 KS-13491, L3 RESISTORS (L) FOR LINES WHICH ARE NOT TO BE TESTED BY THE LINE INSULATION TEST CKT.

FURNISH EA-44 LINE RELAYS (DO NOT SUBSTITUTE) (PEL 6117) ON ALL LINE LINK FRAMES.

(T)TRUNK LINK & TRUNK EQUIPMENT

THE TRUNKS SHALL BE ASSIGNED TO TRUNK LINK FRAMES SWITCHES AS SHOWN ON TRUNK ASSIGNMENT CHARTS, SECTION L OF THIS SPECIFICATION.

(T)INCOMING REGISTER LINK EQUIPMENT

ASSOCIATION OF INCOMING TRUNKS AND INCOMING REGISTER GROUPS SHALL BE SHOWN ON THE INCOMING REGISTER LINK FRAME ASSIGNMENT CHARTS SECTION L OF THIS SPECIFICATION.

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OFFICE PASO ROBLES MAIN

(T)INCOMING REGISTER LINK EQUIPMENT (CONT'D)

CABLING BETWEEN INCOMING TRUNKS AND INCOMING REGISTER LINK FRAMES
VIA MDF TO PROVIDE FLEXIBILITY FOR POSSIBLE REASSIGNMENT IS REQUIRED FOR
TRUNKS INDICATED BY NOTE ON INCOMING REGISTER LINK ASSIGNMENT CHARTS.

(T)OUTGOING SENDER LINK EQUIPMENT

NONE REQUIRED ON THIS ORDER.

(T)COIN SUPERVISORY LINK EQUIPMENT

TRUNKS SHALL BE ASSIGNED TO COIN SUPERVISORY LINK FRAMES AS
SHOWN ON COIN SUPERVISORY LINK ASSIGNMENT CHARTS, SECTION L OF THIS
SPECIFICATION.

TRAFFIC ORD. _____

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DATE _____

OFFICE PASO ROBLES MAIN

(T)ORIGINATING REGISTER EQUIPMENT

ORIGINATING REGISTER SHALL BE ASSIGNED TO ORIG. REG. MARKER
CONNECTOR AND TRUNK LINK FRAMES IN ACCORDANCE WITH ORIG. REG. ASSIGNMENT
CHART, SECTION L OF THIS SPECIFICATION.

EQUIPMENT SHALL BE FURNISHED FOR OPERATION WITH COIN
LINES AS FOLLOWS:

COIN FIRST GROUND START COIN LINES.

TRAFFIC ORD. _____

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DATE _____

OFFICE PASO ROBLES MAIN

(T)ORIGINATING REGISTER EQUIPMENT (CONT'D)

COIN FIRST COIN LINES, REGISTER RETURNS COIN ON PERMANENT SIGNALS AND ABANDONED CALLS ONLY AND THE ASSOCIATED TRUNK RETURNS COIN ON OPERATOR AND OTHER FREE CALLS.

THE REGISTER EQUIPMENT SHALL NOT BE EQUIPPED FOR 2-PARTY TEST INITIALLY.

11 FOREIGN AREA DIRECTING CODES WILL NOT BE USED INITIALLY.

ARRANGEMENTS FOR 11X SERVICE CODES SHALL BE FURNISHED.

PROVIDE ARRANGEMENTS TO REGISTER 11 DIGITS.

DDD IS NOT REQUIRED INITIALLY.

TRANSLATION IS NOT REQUIRED TO DETERMINE THE EXPECTED NUMBER OF DIGITS RECEIVED BEFORE CALLING IN THE MARKER.

(T)INCOMING REGISTER EQUIPMENT

INCOMING REGISTERS SHALL BE ASSIGNED TO INC. REG. FRS. AND INC. REG. MKR. IN ACCORDANCE WITH INC. REG. ASSIGNMENT CHART, SECTION L OF THIS SPECIFICATION.

(T)INCOMING DIAL PULSE REGISTER EQUIPMENT

REGISTERS SHALL BE ARRANGED TO REGISTER 8 DIGITS.

REGISTERS SHALL NOT BE ARRANGED TO SERVE TANDEM AND/OR INTER-TOLL TRUNKS:

REGISTERS WILL SERVE ONLY DIRECT PULSING TRUNKS.

REGISTERS SHALL NOT BE ARRANGED FOR TANDEM AND/OR TOLL CODE TRANSLATION AND/OR FOR MARKER SEIZURE ON HOME AREA CODES UNDER CONTROL OF THE REPETITIVE DIGIT TIMER STARTED AFTER THE THIRD DIGIT IS REGISTERED.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

(T)INCOMING DIAL PULSE REGISTER EQUIPMENT (CONT'D)

TRANSLATION OF A DIGIT WILL NOT BE REQUIRED.

TRANSLATION OF B DIGIT WILL NOT BE REQUIRED.

(T)INCOMING MULTI-FREQUENCY PULSING REGISTER EQUIPMENT

NONE REQUIRED ON THIS ORDER.

(T)INCOMING REVERTIVE PULSE REGISTER EQUIPMENT

NONE REQUIRED ON THIS ORDER.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

(T) INTERMARKER GROUP SENDER EQUIPMENT

NONE REQUIRED ON THIS ORDER.

MARKER EQUIPMENT

(T) TRANSLATION IS REQUIRED AS FOLLOWS:

MARKER PULSE CONVERSION IS NOT REQUIRED.

MORE THAN ONE NUMBER SERIES START RELAY PER NUMBER SERIES GROUP
IS REQUIRED

MORE THAN ONE TANDEM AND/OR TOLL CLASS IS NOT REQUIRED.

NO PEG COUNT PREROUTE RELAYS REQUIRED.

NO INDIVIDUAL PEG COUNT PREROUTE RELAYS REQUIRED.

TRUNK OR SENDER GROUP ALLOTTERS ARE NOT REQUIRED.

MORE THAN 30 SUBSCRIBER CLASSES OF SERVICE ARE NOT ASSIGNED.

TRAFFIC REGISTER FOR HORIZONTAL LINE GROUP PERCENT LOAD REGISTER
SHALL BE ARRANGED FOR OPERATION AS SPECIFIED BY LOCAL TRAFFIC.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

MARKER EQUIPMENT (CONT'D)

ONE "INDIVIDUAL" AND 2 OR 3 "GROUP SORT" TREATMENTS ARE NOT
REQUIRED FOR 30 OR LESS SUBSCRIBER CLASSES.

OPERATION WITH LINE INSULATION TEST FRAME SHALL NOT BE PROVIDED
(ON MARKER -).

- TO - ROUTE RELAYS SHALL BE
PLACED IN GROUND SUPPLY 1.

00 TO 04 ROUTE RELAYS SHALL BE
PLACED IN GROUND SUPPLY 5.

06 TO 08 ROUTE RELAYS SHALL BE
PLACED IN GROUND SUPPLY 6.

THE STANDARD ARRANGEMENT OF ROUTE OTHER THAN INTEROFFICE SHALL
BE USED.

MARKER CROSS CONNECTION LISTS WILL BE FURNISHED AT THE TIME OF
INSTALLATION.

SERVICE TREATMENT RELAY CROSS CONNECTIONS WILL BE FURNISHED AT
THE TIME OF INSTALLATION.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

(T)FOREIGN AREA TRANSLATOR EQUIPMENT

NONE REQUIRED ON THIS ORDER.

(T)PRETRANSLATOR EQUIPMENT

NONE REQUIRED ON THIS ORDER.

(T)JUNCTOR GROUPING FRAME

THE JUNCTOR DISTRIBUTION FOR THE JUNCTOR GROUPING FRAME SHALL BE
ARRANGED FOR 8 LINE LINK FRAMES AND 4
TRUNK LINK FRAMES.

TRAFFIC ORD. _____

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DATE _____

OFFICE PASO ROBLES MAIN

(T)MARKER CONNECTOR FRAMES

MARKER CONNECTOR MARKER PERFORMANCE CROSS CONNECTIONS ARE NOW AS

FOLLOWS:

		PREFERRED MARKER				ALTERNATE PREFERRED MARKER			
		<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>
ORMC	-	-	-	-	-	-	-	-	-
	_____	_____	_____	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____	_____	_____	_____
IRMC	_____	_____	_____	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____	_____	_____	_____
LLMC	_____	_____	_____	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____	_____	_____	_____

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

(T)NUMBER GROUP EQUIPMENT

FURNISH MISCELLANEOUS RELAYS AS FOLLOWS:

DESIGNATION

NO	GRP	PHYSICAL	SLEEVE	ADVANCE	NON-HTG	HTG	FREE	TRK	TB	TEN	ALLD	ALLD
FR		NUMBERS	CONN	A	OVERFLOW	OVERFLOW	NO	NO	AUX	BLOCK	NO	BLOCK
			SC		OF	POF	FN	TN	TBA	SA&TBT	AN	TEST
												ABT
00		0000-0999	28	5	2	2	2	-	10	-	-	-
01		1000-1999	28	5	2	2	-	-	5	-	-	-
02		9000-9999 2000-2999	28	5	2	2	-	-	5	-	-	-
03		3000-3999	28	5	2	2	-	-	5	-	-	-
04		4000-4999	28	5	2	2	-	-	5	-	-	-

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

(T)NUMBER GROUP EQUIPMENT (CONT'D)

STRAPPING OF LINE TRANSLATOR FIELD PUNCHINGS SHALL BE ARRANGED
FOR ULTIMATE NUMBER OF 10 LINE LINK FRAMES.

NUMBER GROUP FRAME CROSS CONNECTION LISTS AND INFORMATION FOR
STRAPPING THE RF & VHG TRANSLATOR FIELD ARE FURNISHED TO THE INSTALLER
BY THE TELEPHONE COMPANY AT TIME OF INSTALLATION.

CROSS CONNECTING LL, RF AND VHG TRANSLATOR FIELDS ON NUMBER
GROUP FRAMES SHALL BE UNSOLDERED AND HAND WRAPPED.

(T)TRANSLATOR FRAMES

NONE REQUIRED ON THIS ORDER.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

(T)TRANSVERTER CONNECTOR FRAMES

NONE REQUIRED ON THIS ORDER.

(T)MASTER TIMING FRAME FOR AUTOMATIC MESSAGE ACCOUNTING

NONE REQUIRED ON THIS ORDER.

GROUP NUMBER _____.

(T)OFFICE INTERRUPTER FRAMES

TONE ONLY SHALL BE PROVIDED FOR ALL INCOMING TRUNKS.

PATHS BUSY SIGNAL FROM TONE TRUNKS SHALL BE 120 IPM

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1, SEC. D, PAGE 1

DATE _____

ENGINEER: S. E. KLINE

OFFICE PASO ROBLES MAIN

TEL. NO. EX. 9-3275

CHECKER: A. C. SJOLSETH

TEL. NO.: EX. 9-3245

MISCELLANEOUS EQUIPMENT - SECTION D

THE LINE MESSAGE REGISTER AND TRAFFIC REGISTER EQUIPMENT SHALL
BE PROVIDED AS COVERED IN SECTION B AND AS FOLLOWS:

(T) LINE MESSAGE REGISTER EQUIPMENT

	<u>INITIAL</u>	<u>(ADDITIONAL)</u>	<u>ULT.</u>
MESSAGE REGISTERS IN TR. REG. CAB.	10	-	

(T) TRAFFIC REGISTER RACK EQUIPMENT

PROVIDE THE FOLLOWING TRAFFIC REGISTER EQUIPMENT FOR THE TRAFFIC
REGISTER CABINET WHICH IS ORDERED IN SECTION B. IT SHALL BE LOCATED AS
SHOWN ON FLOOR PLAN DRAWING 1E-8251-02 AND SHALL NOT BE EQUIPPED WITH A
RECORDER'S TALKING LINE.

THE DOOR ASSEMBLY OF THE TRAFFIC REGISTER CABINET SHALL BE EQUIPPED.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

<u>ELAPSED TIME</u>	<u>INITIAL</u>	<u>ADD</u>	<u>TOTAL</u>
CLOCK REGISTER	<u>1</u>	—	—
<u>PEG COUNT</u>			
LINE LINK FRAME ORIGINATING	<u>5</u>	—	—
ORIGINATING REGISTER DP (5 DIGIT)	<u>2</u>	—	—
TOTAL INCOMING PEG COUNT	<u>2</u>	—	—
TOTAL ORIGINATING PEG COUNT	<u>2</u>	—	—
TOTAL CHANNEL PEG COUNT	<u>0</u>	—	—
COMPLETING MARKER PEG COUNT	<u>0</u>	—	—
DIAL TONE MARKER PEG COUNT	<u>0</u>	—	—
INTRA OFFICE, OUTGOING, COMB. TONE & COMMON OVERFLOW TRUNK GROUPS			
1-60 TRUNKS IN GROUP	<u>20</u>		
61-100 TRUNKS IN GROUP	<u>2</u>	—	—
PREROUTE PEG COUNT (SECTION C)	<u>0</u>	—	—
INCOMING TRUNK GROUP - TERM (1-30 TRKS. PER GROUP)	<u>*4</u>	—	—
INCOMING TRUNK GROUP PEG COUNT THRU	<u>0</u>	—	—
INCOMING TRUNK GROUP ANNOUNCEMENT	<u>0</u>	—	—
ABANDONED PARTIAL DIAL	<u>1</u>	—	—
MARKER CLASS OF SERVICE (10 CLASSES)	<u>*20</u>	—	—
OUT SENDER GROUP	<u>0</u>	—	—
INTER-SENDER TIME OUT SENDER RELEASE	<u>0</u>	—	—

TRAFFIC ORD. _____

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DATE _____

OFFICE PASO ROBLES MAIN

<u>PEG COUNT</u> (CONT'D)	<u>INITIAL</u>	<u>ADD</u>	<u>TOTAL</u>
INCOMING REGISTER GROUP PEG COUNT	<u>2</u>	<u> </u>	<u> </u>
INCOMING REGISTER GROUP PERMANENT SIGNAL	<u>0</u>	<u> </u>	<u> </u>
INCOMING REGISTER GROUP PARTIAL DIAL	<u>0</u>	<u> </u>	<u> </u>
CAMA SENDER - TIME OUT	<u>0</u>	<u> </u>	<u> </u>
CAMA TRANSVERTER SERVICE	<u>0</u>	<u> </u>	<u> </u>
CAMA TRANSVERTER WRONG CODE	<u>0</u>	<u> </u>	<u> </u>
CAMA TRANSVERTER BULK BILLED FREE CALLS	<u>0</u>	<u> </u>	<u> </u>
PCI OUT SENDERS AWAITING ASSIGNMENT	<u>0</u>	<u> </u>	<u> </u>
TRANSVERTER TOTAL SEIZURES	<u>0</u>	<u> </u>	<u> </u>
TRANSVERTER BULK BILLED FREE CALLS	<u>0</u>	<u> </u>	<u> </u>
CAMA POSITIONS CALLS CONNECTED	<u>0</u>	<u> </u>	<u> </u>
CAMA POSITIONS DISCONNECTED	<u>0</u>	<u> </u>	<u> </u>
VACANT CODE INTERCEPT	<u>0</u>	<u> </u>	<u> </u>
DENIED CODE INTERCEPT	<u>0</u>	<u> </u>	<u> </u>
LINE CONCENTRATOR IDENTIFIER FOR TELEPHONE SECRETARIAL SERVICE P.C.	<u>0</u>	<u> </u>	<u> </u>
INTERTOLL TRUNK CONCENTRATOR	<u>0</u>	<u> </u>	<u> </u>
DIRECTIONAL RESERVATION OF 2-WAY INTERTOLL TRUNKS	<u>0</u>	<u> </u>	<u> </u>
COIN ZONE OUTGOING TRUNK OR JUNCTOR CALLS CHARGE CONDITION	<u>0</u>	<u> </u>	<u> </u>
INITIAL COIN ZONE CALLS ANSWERED AT SWITCHBOARD	<u>0</u>	<u> </u>	<u> </u>

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1 SEC. D, PAGE 4

DATE _____

OFFICE PASO ROBLES MAIN

<u>PEG COUNT</u> (CONT'D)	<u>INITIAL</u>	<u>ADD</u>	<u>TOTAL</u>
OVERTIME COIN ZONE CALLS ANSWERED AT SWITCHBOARD	<u>0</u>	<u> </u>	<u> </u>
MARKER PULSE CONVERSION	<u>0</u>	<u> </u>	<u> </u>
OUTSENDER GROUP MARKER PULSE CONVERSION	<u>0</u>	<u> </u>	<u> </u>
INTERCEPT REGULAR	<u>*1</u>	<u> </u>	<u> </u>
INTERCEPT BLANK NUMBER	<u>*1</u>	<u> </u>	<u> </u>
INTERCEPT TROUBLE	<u>*1</u>	<u> </u>	<u> </u>
OPERATING ROOM DESK INTERCEPT	<u>0</u>	<u> </u>	<u> </u>
CALLS TO AN OPERATOR	<u>0</u>	<u> </u>	<u> </u>
CALLS TO AN INTERCEPT MACHINE	<u>0</u>	<u> </u>	<u> </u>
CALLS ROUTED TO AN INTERCEPT MACHINE AND TRANSFERED TO AN OPERATOR	<u>0</u>	<u> </u>	<u> </u>
MASTER TEST CIRCUIT TEST CALLS			
USING LINE LINK FRAMES	<u>0</u>	<u> </u>	<u> </u>
USING MARKERS	<u>0</u>	<u> </u>	<u> </u>
USING ORIGINATING REGISTERS	<u>0</u>	<u> </u>	<u> </u>
USING INCOMING REGISTERS	<u>0</u>	<u> </u>	<u> </u>
USING MF, DP, PCL & RP OUT SENDERS	<u>0</u>	<u> </u>	<u> </u>
USING TRANSVERTERS	<u>0</u>	<u> </u>	<u> </u>
FOR TOTAL TEST CALLS	<u>0</u>	<u> </u>	<u> </u>
INCOMING REGISTER SERVING INTERTOLL SELECTORS	<u>8</u>	<u> </u>	<u> </u>

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1 SEC. D, PAGE 5

DATE _____

OFFICE PASO ROBLES MAINPEG COUNT (CONT'D)

PERMANENT SIGNAL (DIAL PULSE)

INITIALADDTOTAL0

PERMANENT SIGNAL (MULTI-FREQUENCY)

0

PARTIAL DIAL (DIAL PULSE)

0

PARTIAL DIAL (MULTI-FREQUENCY)

0GROUP BUSY

COIN SUPERVISORY

WITH TIMING TRUNKS

0

WITH NON-TIMING TRUNKS

1

INTERCEPTING TRUNK GROUP

2

VERIFICATION TRUNK GROUP

0

INCOMING TRUNK TO "B" SWITCHBOARD

0

INCOMING TRUNK MULTI-FREQUENCY FROM MANUAL

0

ALL ORIGINATING REGISTERS - BUSY DP

2

INCOMING ANNOUNCEMENT TRUNKS

0LINE CONCENTRATOR IDENTIFIER FOR TELEPHONE
SECRETARIAL SERVICE0ALL TRUNKS FROM CONCENTRATOR TO SWITCH-
BOARD BUSY ON INITIAL OR OVERTIME COIN
ZONE CALLS0GROUP BUSY TIMINGINCOMING REGISTERS - OTHER THAN MF OR
"B" SWBD1

INTERTOLL TRUNK CONCENTRATOR GROUP BUSY

0

2-WAY DIAL CDO TRUNKS

4

MFD INTERTOLL TRUNKS

5

RINGDOWN TRUNKS

5

1-WAY DIAL INTERTOLL TRUNKS

1

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1 SEC. D, PAGE 6

DATE _____

OFFICE PASO ROBLES MAINGROUP BUSY TIMING (CONT'D)DIRECTIONAL RESERVATION OF 2-WAY INTERTOLL
TRUNKSINITIALADDTOTAL0USAGE

LINK BUSY - LINE INSULATING TEST CONTROL

0TOTAL NUMBER OF CYCLES RUN LINE INSULATING
TEST CONTROL0

CIRCUIT USAGE - TRAFFIC USAGE RECORDER

0

GROUP CYCLE COUNT - TRAFFIC USAGE RECORDER

0DETECTOR GROUP USAGE - TRAFFIC USAGE
RECORDER0OVERFLOW

OFFICE OVERFLOW

2INTRAOFFICE TRUNK GROUP AND OUTGOING TRUNK
GROUP20

OUTGOING SENDER GROUP

0

ALLOTTED HUNTING GROUP (SUBS LINE OVFL.)

4SUBSCRIBER LINE OVERFLOW NON ALLOTTED OR
HTG. GRP.4

TRUNK LINK FRAME FAILURE TO MATCH

3

LINE LINK FRAME FAILURE TO MATCH

5

ORIGINATING MATCHING LOSS

1

INCOMING MATCHING LOSS

1

DIAL TONE MATCHING LOSS

1OUTGOING CALL INDICATOR TRUNKS WHEN OVER-
FLOW ALARM IS SPECIFIED0

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1, SEC. D, PAGE 7

DATE _____

OFFICE PASO ROBLES MAIN

CELL TRUNKS BUSY

INITIAL

CDO TRUNKS	2
ROTS GROUPS	2
INCOMING INTER OFF TRUNKS	1
ALL SENDERS BUSY	1
ALL LINKS BUSY	2

LAST TRUNKS BUSY

ROTS GROUPS	2
TOLL INFORMATION	1
INWARD & TOLL STATION	1
TX TRUNKS	3
INTERTOLL AUX. 1ST SELS.	1

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1 SEC. D, PAGE 8

DATE _____

OFFICE PASO ROBLES MAIN

<u>LOAD INDICATING</u>	<u>INITIAL</u>	<u>ADD</u>	<u>TOTAL</u>
ORIGINATING REGISTER LOAD	<u>0</u>	<u> </u>	<u> </u>
LINE LINK FRAME LOAD	<u>5</u>	<u> </u>	<u> </u>
HORIZONTAL LINE GROUP LOAD	<u>10</u>	<u> </u>	<u> </u>
DIAL TONE SPEED REGISTERS	<u>2</u>	<u> </u>	<u> </u>
<u>ANSWERING TIME RECORDER</u>			
DELAYED ANSWER	<u>0</u>	<u> </u>	<u> </u>
TOTAL CALLS	<u>0</u>	<u> </u>	<u> </u>
SPARE (PEG-COUNT)	<u>23</u>	<u> </u>	<u> </u>
TOTAL NO. 14 TYPE REGISTERS (INCL. MESS REGS.)	<u>200</u>	<u> </u>	<u> </u>

LOCATE TRAFFIC REGISTERS IN THE TRAFFIC REGISTER CABINET

NO. 0 IN REGISTER POSITIONS 50 TO 249 INCLUSIVE.

LOCATE MESSAGE REGISTER IN POS. 290-299.

NOTE

REGISTER QUANTITIES PREFIXED WITH AN ASTERISK (*) SHALL
BE ARRANGED TO OPERATE WITH A PEG COUNT CUTOFF KEY.

RELAY RACK EQUIPMENT

TRUNKS

PROVIDE FOR TWO MULTIPLE TERMINATIONS OF T.R.S. LEADS
FOR INTERTOLL & TOLL SWITCHING TRUNKS.

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1 SEC. D, PAGE 9

DATE _____

OFFICE PASO ROBLES MAIN

(T) THE QUANTITIES AND TYPES OF TRUNKS SHALL BE FURNISHED AS INDICATED BELOW. THE "TYPE DESIGNATIONS" USED REFER TO THE FEATURES SHOWN FOR THE RESPECTIVE DESIGNATIONS IN BSP SECTION AA240.020 (J-29261) AND ARE NOT INTENDED TO SPECIFY A PARTICULAR CIRCUIT NUMBER AS THIS INFORMATION WILL BE SUPPLIED IN THE JOB ENGINEERING BY THE WESTERN ELECTRIC COMPANY.

<u>TYPE DESIGNATION</u>	<u>(INITIAL) (PRESENT)</u>	<u>(ADDITIONAL)</u>	<u>(ULT.) (TOTAL)</u>	<u>SEE NOTE</u>
<u>1A13</u>	<u>100</u>	<u> </u>	<u> </u>	
<u>A24</u>	<u>2</u>	<u> </u>	<u> </u>	
<u>1A11</u>	<u>10</u>	<u> </u>	<u> </u>	
<u>1A18</u>	<u>2</u>	<u> </u>	<u> </u>	
<u>1A20</u>	<u>4</u>	<u> </u>	<u> </u>	
<u>TOTAL</u>	<u>118</u>	<u> </u>	<u> </u>	
<u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>B61a</u>	<u>48</u>	<u> </u>	<u> </u>	<u>5</u>
<u>B115d</u>	<u>3</u>	<u> </u>	<u> </u>	<u>1,4,5</u>
<u>B112d</u>	<u>2</u>	<u> </u>	<u> </u>	<u>5</u>
<u>TOTAL</u>	<u>53</u>	<u> </u>	<u> </u>	
<u>D115</u>	<u>17</u>	<u> </u>	<u> </u>	<u>4</u>
<u>D116b</u>	<u>26</u>	<u> </u>	<u> </u>	
<u>1D95</u>	<u>5</u>	<u> </u>	<u> </u>	
<u>1D105</u>	<u>6</u>	<u> </u>	<u> </u>	
<u>1D109</u>	<u>2</u>	<u> </u>	<u> </u>	
<u>TOTAL</u>	<u>56</u>	<u> </u>	<u> </u>	

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1, SEC. D, PAGE 10

DATE _____

OFFICE PASO ROBLES MAIN

<u>TYPE DESIGNATION</u>	<u>(INITIAL)</u> <u>(PRESENT)</u>	<u>(ADDITIONAL)</u>	<u>(ULT.)</u> <u>(TOTAL)</u>
1E7	1		
E10	2		
1E12	1		
1E13	2		
1E16	4		
1E18	2		
1E23	1		
1E41	2		
TOTAL	15		
1F2	4		
1G15	4		
1G31	2		
1G36	2		
1G43	30		
1G44	6		
1G45	10		
1G46	2		
1G51	6		
G76	3		
G94	8		
G101	115		
TOTAL	188		

TRAFFIC ORD. _____

SPEC. NO. 1E-E-84

sec D

Page 12

DATE _____

OFFICE PASO ROBLES MAIN

MISCELLANEOUS

	<u>(INITIAL)</u> <u>(PRESENT)</u>	<u>(ADDITIONAL)</u>	<u>(ULT.)</u> <u>(TOTAL)</u>
TEST SELECTOR SWITCHES FOR SELECTING PERMANENT SIGNAL HOLDING TRUNKS PLUGGING UP LINES	<u>0</u>	_____	_____
ALARM AND TIMING CIRCUITS FOR PERMANENT SIGNAL HOLDING, COIN SUPERVISORY (AND ANNOUNCEMENT TRUNKS) ARRANGED TO OPERATE ON <u>6</u> PERMANENT SIGNALS WITH TIMED INTERVAL OF <u>22</u> MINUTES FOR PERMANENT SIGNAL HOLDING TRUNKS. (AND TIMED INTERVAL OF <u>1</u> MINUTES FOR ANNOUNCEMENT TRUNKS)	<u>1</u>	_____	_____
NO TEST CONNECTORS FOR CONNECTING "NO TEST" TRUNKS TO "NO TEST" VERTICALS OF LINE LINK FRAME	<u>1</u>	_____	_____
NO SUCH NUMBER TONE SUPPLY UNIT OSCILLATING TONE	<u>1</u>	_____	_____
TEST TRUNKS AT MDF IN AND OUT TYPE, SD-90070-01	<u>2</u>	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1

Sec. D Page 13

DATE _____

OFFICE PASO ROBLES MAINMISCELLANEOUS (CONT'D)

	<u>(INITIAL)</u> <u>(PRESENT)</u>	<u>(ADDITIONAL)</u>	<u>(ULT.)</u> <u>(TOTAL)</u>
A SPARE MESSAGE REGISTER POWER SUPPLY PANEL <u>SHALL NOT BE</u> FURNISHED	<u>0</u>	_____	_____
MANAUL LONG LINES, THROUGH RINGING, _____ VOLT BATTERY	<u>0</u>	_____	_____
PRIVATE LINE CIRCUITS ARRANGED FOR AUTOMATIC MACHINE RINGING _____ VOLT CENTRAL OFFICE BATTERY _____ VOLT TRANSMISSION	<u>0</u>	_____	_____
EXTENSION LINE BRIDGING CIRCUIT (G-3297)	5		
2 DB PADS	56		SEE NOTE 2

TIME ANNOUNCEMENT

INCOMING ANNOUNCEMENT TRUNKS SIMILAR TO SD-25952-01	5
INCOMING DISTRIBUTING AND ALARM SIMILAR TO SD-95459-01	2

E TYPE REPEATER EQUIPMENT

PROVIDE MOUNTING AND COMMON EQUIPMENT FOR THE FOLLOWING TYPE OF REPEATERS
(PLUG IN REPEATERS ARE BEING ORDERED SEPARATELY):

<u>TYPE</u>	<u>QUANTITY</u>	<u>NOTE</u>
E-6	69	7
E-23 (ET CONFIGURATION)	15	3

TRAFFIC ORD. _____

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DATE _____

OFFICE PASO ROBLES MAIN

(T) LINE LOAD CONTROL

(INITIAL)
(PRESENT)

(ADDITIONAL)

(ULT.)
(TOTAL)

LINE LOAD CONTROL PANEL SHALL BE
LOCATED ON MASTER TEST FRAME
RECORDER BAY. IT SHALL BE
ARRANGED FOR 40 LINE
LINK FRAMES, DIAL TONE INDICATING
LAMPS AND OFFICE LOAD METER.

1

CABLE INSULATION ALARM

CABLE INSULATION ALARM CIRCUITS
EQUIPPED FOR 4 CABLE
TERMINALS ARRANGED FOR ULTIMATE
CAPACITY OF 40
TEST TERMINALS

1

NOTE

LOCATE CABLE INSULATION ALARM UNIT ON TOLL SWBD. R.R. 105.00.

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1 SEC. D, PAGE 15

DATE _____

OFFICE PASO ROBLES MAINPBX FEEDERS

	(INITIAL (PRESENT)	(ADDITIONAL)	(ULT.) (TOTAL)
PBX RINGING - CODE 1 GEN. SD-95667-01, 3 SETS OF TERMINALS PER LAMP, 3 LAMPS PER FUSE - CAP. OF RINGING MACHINE IS 1 AMP.	<u>3</u>	_____	_____
PBX 48 VOLT BATTERY SUPPLY CIRCUITS WITH METALLIC RETURN FOR 505 OR 506 TYPE PBX	<u>0</u>	_____	_____
PBX 24 VOLT BATTERY SUPPLY CIRCUITS WITH METALLIC RETURN FOR OTHER THAN 505 OR 506 TYPE PBX	<u>0</u>	_____	_____
PBX 48 VOLT BATTERY SUPPLY CIRCUITS WITH METALLIC RETURN FOR OTHER THAN 505 AND 506 TYPE PBX	<u>20</u>	_____	_____
PBX 24 VOLT BATTERY SUPPLY CIRCUITS WITH GROUND RETURN	<u>0</u>	_____	_____
PBX 48 VOLT BATTERY SUPPLY CIRCUITS WITH GROUND RETURN	<u>0</u>	_____	_____
PBX RINGING - CODE 1 GEN. SD-95667-01 PBX RINGING $\pm 105V$ SUPPLY CIRCUITS. RINGING MACHINE CAPACITY IS 1 AMP. (3 SETS OF TERMINALS PER LAMP) 3 LPS. PER FUSE	<u>3</u>	_____	_____
FILTERS FOR PBX _____ VOLT SUPPLY SHALL BE _____ AMPERE CAPACITY	<u>0</u>	_____	_____

TRUNK MAKE BUSY CIRCUITSMAKE BUSY TRUNK GROUP KEY RELAY
CIRCUITS0

THE MAKE BUSY TRUNK GROUP KEY RELAYS WILL BE OPERATED OVER A

_____ AND _____ BE CONNECTED TO OTHER KEY

RELAYS IN A SUCCEEDING OFFICE.

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1 SEC. D, PAGE 16

DATE _____

OFFICE PASO ROBLES MAIN

TRUNK MAKE BUSY CIRCUITS (CONT'D)

MAKE BUSY RELAYS

FOR TRUNKS MADE BUSY AT TRUNK LINK FRAME.

TRUNKS PER GROUP 3 GROUPS 1 _____

TRUNKS PER GROUP - GROUPS - _____

FOR TRUNKS OR LINES MADE BUSY AT LINE LINK FRAME.

TRUNKS OR LINES PER GROUP 2 GROUPS 1 _____

TRUNKS OR LINES PER GROUP - GROUPS - _____

FIRE DRILL EQUIPMENT

PROVIDE CENTRAL OFFICE FIRE DRILL EQUIPMENT WITH A TOTAL OF

- BELLS SHOWN ON DRAWINGS - AS FOLLOWS:

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1, SEC. D, PAGE 17

DATE _____

OFFICE PASO ROBLES MAIN

DOOR OPENER CIRCUIT

THE DOOR OPENER CIRCUIT AND VESTIBULE TELEPHONE ARE COVERED IN A
SEPARATE SPECIFICATION FOR THE TOLL SWITCHBOARD.

TALKING LINE BETWEEN CROSSBAR FRAMES

LOCAL FRAME TALKING LINES FOR USE BETWEEN FRAMES SHALL BE
FURNISHED.

MAKE BUSY PLUGS

FURNISH THE FOLLOWING MAKE BUSY PLUGS:

_____ 50 _____	349A PLUGS
_____ 50 _____	322A PLUGS
_____ 20 _____	351C PLUGS
_____ 25 _____	322B PLUGS
_____ 25 _____	322C PLUGS
_____ 50 _____	350A PLUGS

SPARE FUSE HOLDERS

PROVIDE STANDARD NUMBER AND LOCATION OF 12B SPARE FUSE HOLDERS
AND 0 ADDITIONAL HOLDERS TO BE LOCATED AS SPECIFIED BY THE TEL. CO.
AT TIME OF INST.

VACUUM TUBES

FURNISH VACUUM TUBES FOR ANY UNITS WHERE THEY ARE NORMALLY
NOT EQUIPPED.

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1, SEC. D, PAGE 18

DATE _____

OFFICE _____

VACUUM TUBES (CONT'D)

PROVIDE SPARE VACUUM TUBES AS FOLLOWS:

<u>CODE</u>	<u>SPARE TUBES</u>	<u>FOR EQUIPMENT</u>
-	_____	_____
-	_____	_____
-	_____	_____

PRINT DISPLAY BOARDS

FURNISH 1 PRINT DISPLAY WALL BOARD 10' LONG PER ED-92018-01, G-12.

LOCATE IN THE POWER ROOM ON THE WALL ADJACENT TO THE DOOR INTO THE ENGINE ROOM. NO LIGHTING IS TO BE FURNISHED FOR THIS BOARD.

NOTES

1. EQUIP COIN TOLL SWITCHING TRUNKS (B115a) FOR IMMEDIATE RINGING.
2. PROVIDE 900W 2DB PAD CIRCUITS SD-95756-01, FIG. 3, FOR MOUNTING ON RELAY RACK FOR VIA NET LOSS OPERATION.
3. THE E-23 REPEATERS ARE BEING ORDERED TO WORK ON TOLL CABLE. IF E-6 REPEATERS ARE AVAILABLE WITH NETWORKS FOR USE ON TOLL CABLE THEY MAY BE SUBSTITUTED FOR THE E-23 REPEATERS IF THE CHIEF ENGINEER IS SO ADVISED SINCE THE REPEATERS THEMSELVES ARE BEING ORDERED SEPARATELY. IF E-23 REPEATERS FOR TOLL USE ARE REQUIRED THEY SHOULD BE MOUNTED ON A MISCELLANEOUS BASIS.
4. ASSOCIATED TRUNK COIN CONTROL CIRCUITS SD-56286-01 ARE ORDERED SEPARATELY IN THE TOLL SWITCHBOARD SPECIFICATION.

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1, SEC. D, PAGE 19

DATE _____

OFFICE _____

NOTES (CONT'D)

5. TO FACILITATE CONVERSION FROM DIAL PULSE TO MF OPERATION AT A FUTURE DATE THE FOLLOWING TRUNK TYPES SHALL BE CABLED TO THE MDF FOR CROSS CONNECTION TO THE INCOMING REGISTER LINK FRAME:

B61d, B112d & B115d

6. TIME ANNOUNCEMENT SUPPLY WILL BE FED FROM A DISTRIBUTING SYSTEM IN SAN LUIS OBISPO.
7. TEST JACKS SHALL BE PROVIDED ON THE E-6 REPEATER BAYS.

TRAFFIC ORD. _____

DATE _____

OFFICE PASO ROBLES MAIN

SPEC. NO. 1E-8251-1, SEC. E, PAGE 1

ENGINEER: S. E. KLINE

TEL. NO.: EX. 9-3275

CHECKER: A. C. SJOLSETH

TEL. NO.: EX. 9-3245

DIAL TONE SPEED EQUIPMENT - SECTION E

(T) DIAL TONE SPEED EQUIPMENT

PROVIDE DIAL TONE SPEED REGISTER EQUIPMENT CONTAINING A SINGLE
ACCESS SWITCH AND 2 ARC'S WITH A CAPACITY OF 40 TEST LINES AND 1 PEG COUNT
AND 1 DELAY REGISTERS. FURNISH AN SD KEY WITH THIS EQUIPMENT.

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1 SEC. E, PAGE 2

DATE _____

OFFICE PASO ROBLES MAIN

(T)DIAL TONE SPEED EQUIPMENT (CONT'D)

EQUIP 40 TEST LINES AND 2 REGISTERS.

ASSIGN TEST LINES AND ARC'S AS FOLLOWS:

<u>CLASS OF SERVICE</u>	<u>SIZE OF LINE LINK</u>	<u>NO. OF TEST LINES</u>	<u>ARC NO.</u>
FR & MR	590	20	A-2
COIN	590	20	A-3

THE ASSIGNMENT OF TEST LINES TO LINE LINKS AND TERMINALS SHALL BE FURNISHED BY THE TRAFFIC DEPARTMENT AT THE TIME OF INSTALLATION.

DIAL TONE PEG COUNT & DELAY REGISTERS REQUIRED FOR ASSOCIATION WITH DIAL TONE SPEED EQUIPMENT ARE ORDERED IN TRAFFIC REGISTER SECTION. THE DIAL TONE SPEED EQUIPMENT SHOULD BE ARRANGED FOR ASSOCIATION WITH ANY TRAFFIC REGISTER IN THE REGULAR TRAFFIC REGISTER CABINET. LOCATION OF THE DIAL TONE SPEED EQUIPMENT IS SHOWN ON FLOOR PLAN FOR SECOND FLOOR IN DIAL MANAGEMENT ROOM.

CUSTOMER INSTRUCTION EQUIPMENT

PROVIDE ONE UNIVERSAL PORTABLE TYPE DIAL SUBSCRIBERS TRAINING TEST SET PER DE-30067-01, LIST 2. LOCATE THE RECEPTACLE PER DS-30067-01, FIG. 3, ON THE WALL OF THE DIAL MANAGEMENT ROOM AS SHOWN ON FLOOR PLAN DRWG. FOR THE 2ND FLOOR.

ONE TRUNK TYPE B61d FOR USE WITH THIS SET IS INCLUDED IN THE TRUNK EQUIPMENT COVERED ELSEWHERE IN THIS SPECIFICATION.

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1, SEC. F, PAGE 1

DATE _____

ENGINEER: S. E. KLINE

OFFICE PASO ROBLES MAIN

TEL. NO.: EX. 9-3275

CHECKER: A. C. SJOLSETH

TEL. NO.: EX. 9-3245

TERMINAL ROOM DESK AND ALARM EQUIPMENT - SECTION F

1. THIS SECTION COVERS THE EQUIPMENT FOR A NEW TEST CENTER LOCATED IN THE PASO ROBLES CROSSBAR NO. 5 OFFICE AS SHOWN ON FLOOR PLAN DRAWING 1E-8251-02.

2. POWER FOR THE TEST CENTER WILL BE OBTAINED FROM THE 302-A POWER PLANT IN THIS OFFICE WHICH IS EQUIPPED WITH SUPERIMPOSED RINGING CURRENT.

3. THIS TEST CENTER WILL SERVE THE FOLLOWING OFFICES:

<u>OFFICE</u>	<u>TYPE</u>	
PASO ROBLES	NO. 5 XB	
BRADLEY	CX-60	
TEMPLETON	CX-200	BY DIALING "0" TO TOLL SWBD.
SANTA MARGARITA	CX-200-A	

4. FLASHING LAMPS ARE REQUIRED AT ALL MAINTENANCE DESKS.

5. MISCELLANEOUS CIRCUITS AND EQUIPMENT NOT COVERED HEREIN BUT NECESSARY FOR THE PROPER FUNCTIONING OF THE VARIOUS UNITS OF EQUIPMENT, SHALL BE FURNISHED TO AGREE WITH THE STANDARD ARRANGEMENTS.

6. THE TEST DESK WILL BE REQUIRED 1 MONTH BEFORE TURNOVER.

SUMMARY

(INITIAL)		(ULT.)
(PRESENT)	(ADD 'L)	(TOTAL)

TEST DESK CABLE TURNING SECTION
SMALL CAPACITY

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1, SEC. F, PAGE 2

DATE _____

OFFICE PASO ROBLES MAIN

SUMMARY (CONT'D)

	(INITIAL) (PRESENT)	(ADD 'L)	(ULT.) (TOTAL)
TEST DESK TEST POSITIONS	1		NOTE 17
REPAIR SERVICE DESK WRITING SHELVES	1		
REPAIR SERVICE DESK CARD COMPARTMENT ASSEMBLIES (SMALL CARDS)	1		

TEST DESK NO. 14

THE FRONT EQUIPMENT SHALL BE ARRANGED AS SHOWN ON PAGES IN THIS
SECTION. ARRANGED FOR LEFT TO RIGHT GROWTH.

TEST POSITION 1

	<u>EQUIP</u>	<u>SEE NOTE</u>
LOUD SPEAKER TELEPHONE CIRCUIT - SD-96471-01	1	18
OPERATORS' TELEPHONE CIRCUIT - SD-95754-01	1	2, 16
TALKING TRUNKS, KEYS AND LAMPS - SD-95754-01	29	11
LOUD SPEAKER TRUNKS, KEYS AND LAMPS - SD-96472-01	1	
AUXILIARY SIGNAL CIRCUIT - SD-95735-01	1	14
SYNCHRONOUS POSITION ELECTRIC CLOCK CIRCUIT - SD-95012-01	1	
PRIMARY AND SECONDARY TEST CIRCUIT - SD-95612-01	1	3 TO 7
PRIMARY AND SECONDARY RINGING CIRCUITS - SD-90498-01 AND SD-95741-01	1	13

INDIVIDUALLY CABLED EQUIPMENT

M.D.F. TEST TRUNKS, JACKS - SD-90056-01	2	
TEST TRUNKS, INCOMING AND OUTGOING, JACKS, LAMPS AND KEYS - SD-95737-01	20	12

TRAFFIC ORD. _____

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DATE _____

OFFICE PASO ROBLES MAIN

NOTES

1. DIALED CONNECTIONS TO SUBSCRIBERS LINES WILL BE MADE THROUGH DIAL PULSE INCOMING TEST TRUNKS.
2. THE TELEPHONE CIRCUITS SHALL BE EQUIPPED FOR USE WITH 52-A HEAD TELEPHONE SET ONLY.
3. THE TEST CIRCUITS SHALL BE EQUIPPED FOR TESTING SUBSCRIBER LINES HAVING TUBE TYPE SUBSETS.
4. THE TEST CIRCUITS SHALL NOT BE EQUIPPED FOR TESTING SUBSCRIBER LINES HAVING RELAY TYPE SUBSETS.
5. THE TEST CIRCUITS SHALL NOT BE EQUIPPED FOR DIAL TESTING, THE VM SHALL BE ARRANGED TO TEST DIAL SPEED.
6. THE TEST CIRCUITS SHALL BE EQUIPPED FOR TESTS OF COIN LINES. COIN COLLECT POTENTIAL IS POSITIVE. TESTS OF COIN LINES IN DISTANT OFFICES WILL NOT BE REQUIRED.
7. THE TEST CIRCUITS SHALL BE EQUIPPED FOR PERMANENT SIGNAL RELEASE TEST.
8. THE ELECTRONIC VOLTMETER RELAY UNIT SHALL BE EQUIPPED FOR POS. 1.
9. TONE FOR SOUNDER CORD SHALL BE OBTAINED FROM CONDUCTOR IDENTIFICATION TONE CIRCUIT.
10. PROVIDE INCREASED CLEARANCE ABOVE THE KEY SHELF BY RAISING ALL EQUIPMENT IN EACH PANEL IN ACCORDANCE WITH ED-90208-01, NOTE 6 .
11. THE TALKING TRUNKS IN EACH REGULAR TEST POSITION SHALL BE CABLED TO THE DISTRIBUTING FRAME.

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OFFICE PASO ROBLES MAIN

NOTES (CONT'D)

12. THE TEST TRUNK MULTIPLE SHALL BE CROSS-CONNECTED TO THE RELAY EQUIPMENTS.
13. THE TEST DESK RINGING CIRCUITS SHALL BE EQUIPPED FOR 4 PTY SEMI & 8 PTY FULL SELECTIVE RINGING.
14. AUX POWER RINGING CIRCUIT SD-95747-01 SHALL NOT BE FURNISHED.
15. THE AUXILIARY SIGNAL CIRCUIT SD-95735-01 IS COMMON TO THE LINE-UP OF POSITIONS AND SHALL BE EQUIPPED IN POSITION 1. THE BUZZER TONE SHALL NOT BE SUPPLEMENTED WITH A BELL CIRCUIT.
16. MONITORING TAPS FROM THE TELEPHONE CIRCUIT SHALL BE EXTENDED TO THE MDF.
17. POSITION 3 OF THE FORMER HAYWARD LTD WILL BE FURNISHED BY THE TELEPHONE CO. AND DELIVERED DIRECTLY TO THE JOB. THE EQUIPMENT IS LISTED IN SECTION L OF THIS SPECIFICATION.
18. PROVIDE 1 LOUD SPEAKER AT MDF AS SHOWN ON FLOOR PLAN 1E-8251-01.

REPAIR SERVICE DESK NO. 2

POSITION WRITING SHELF EQUIPMENT, POSITION 1 (EACH)

	<u>EQUIP</u>	<u>SEE NOTE</u>
TRUNKS, KEYS, AND LAMPS - SD-95717-01	6	8
TRUNK SPLITTING CIRCUIT - SD-95717-01	0	
OUTGOING CALL CIRCUITS - SD-95717-01	0	
OPERATORS 'TELEPHONE CIRCUIT - SD-95717-01	1	6
AUXILIARY TELEPHONE CIRCUIT - SD-95717-01	0	

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OFFICE PASO ROBLES MAIN

REPAIR SERVICE DESK NO. 2 (CONT'D)

POSITION WRITING SHELF EQUIPMENT, POSITION 1 (EACH) (CONT'D)

	<u>EQUIP</u>	<u>SEE NOTE</u>
AUXILIARY SIGNAL CIRCUIT - SD-95735-01	1	
TRANSFER AND MAKE BUSY CIRCUIT - SD-95736-01	1	9
(SYNCHRONOUS) POSITION CLOCK CIRCUIT - SD-95012-01 (SURFACE) (WELL) MOUNTED	0	

NOTES

1. FURNISH 1 CARD COMPARTMENT ASSEMBLIES ARRANGED FOR 8 COMPARTMENTS PER ASSEMBLY. (CARDS $3\frac{1}{2}$ " x $8\frac{1}{4}$ ")
2. CABLE PROTECTION PANELS SHALL NOT BE FURNISHED.
3. FURNISH 2 SMALL TRAYS FOR INACTIVE CARDS.
4. THE TELEPHONE CIRCUITS SHALL NOT BE EQUIPPED FOR TIE LINE RINGING.
5. THE AUXILIARY SIGNAL, BUZZER, MAKE BUSY, AND TRANSFER KEY CIRCUITS, SD-95735-01 SHALL BE EQUIPPED IN POSITION 1.
6. MONITORING TAPS FROM THE TELEPHONE CIRCUIT SHALL BE EXTENDED TO THE MDF.
7. FURNISH 1 KEY SHELF CARD FILE ED-90853-01.
8. THE TRUNKS IN EACH WRITING SHELF POSITION SHALL BE MULTIPLIED AT THE DISTRIBUTING FRAME AS DIRECTED BY THE TELEPHONE COMPANY.
9. ARRANGEMENTS SHALL BE PROVIDED FOR TRANSFERRING 3 REPAIR SERVICE TRUNKS TO THE TOLL SWBD. TRUNKS WILL BE ASSIGNED BY THE TELEPHONE COMPANY AT THE TIME OF INSTALLATION.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

RELAY RACK EQUIPMENT

<u>LOCAL TEST DESK NO. 14</u>	<u>(INITIAL)</u>	<u>SEE NOTE</u>
TEST TRUNKS, INCOMING AND OUTGOING TOTAL - SD-95737-01	9	
TO MASTER TEST FRAME	1	
REGULAR & NO TEST	3	
CODE 200 & 600	4	
WHEATSTONE BRIDGE TEST TRUNKS - SD-95765-01	0	
LOUD SPEAKER TRUNKS, TOTAL - SD-96472-01	1	
TO MDF		
TALKING TRUNKS FROM TEST DESK TO (M.D.F.) (PROTECTOR FRAME) (AND) (RELAY RACK) SD-95734-01	0	
AUXILIARY POWER RINGING CIRCUIT - SD-95747-01	0	
4 CYCLE INTERRUPTER CIRCUIT - SD-95778-01	0	
ELECTRONIC VOLTMETER TEST CIRCUIT - SD-95596-01	1	
HOWLER CIRCUIT - SD-95773-01	3	
BREAKDOWN TEST CIRCUIT - SD-95772-01	1	
MULTI-FREQUENCY KEYSER CIRCUIT - SD-95570-01	0	
DIAL TEST CIRCUIT - SD-96335-01	0	
CONDUCTOR IDENTIFICATION TONE CIRCUIT - SD-95689-01	1	

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OFFICE PASO ROBLES MAIN

<u>REPAIR SERVICE DESK</u>	<u>(INITIAL)</u>	<u>SEE NOTE</u>
INCOMING 2-WIRE AUTOMATIC TRUNKS FROM MANUAL OR DIAL OFFICES, TOTAL - SD-95782-01	3	
FROM PASO ROBLES	2	
FROM SPARE	1	
FROM _____	0	
MAKE BUSY (AND CONTROL OF TRANSFER) AT ORIGINATING END - SD-95782-01, FIGS. 3 & A	0	
TRANSFER THRU TEST CENTER 2 WIRE TO SWITCHBOARD IN A DISTANT BUILDING - SD-95782-01, FIGS. 3 & B	0	
INCOMING 3-WIRE AUTOMATIC TRUNKS TO REPAIR SERVICE DESK FROM STEP-BY-STEP OFFICES - SD-95706-01	0	
INCOMING 3-WIRE AUTOMATIC TRUNKS TO REPAIR SERVICE DESK NO. 2 FROM PANEL OFFICES - SD-95730-01	0	
INCOMING TRUNK CIRCUIT - AUTOMATIC E & M LEAD SUPERVISION SD-96487-01	0	
 <u>COMMON</u>		
(ONE-WAY 3-WIRE INCOMING) (TWO-WAY 4-WIRE) AUTO- MATIC TRUNKS FROM (MANUAL) (PANEL) (CROSSBAR) (STEP-BY-STEP) "A" SWITCHBOARDS - SD-95731-01	0	
TWO-WAY 2-WIRE TRUNKS OR TIE LINES, INCOMING RINGDOWN - OUTGOING AUTOMATIC WITHOUT ELECTRICAL HOLD FEATURE SD-96221-01	10	
TO LTD 2		
TO RSD 2		
TO MTF 6		
TWO-WAY AUTOMATIC TRUNKS TO TOLL OFFICE - SD-95732-01	2	

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OFFICE PASO ROBLES MAIN

<u>COMMON</u> (CONT'D)	<u>(INITIAL)</u>	<u>SEE NOTE</u>
TWO-WAY 2-WIRE AUTOMATIC TRUNKS - SD-95405-01	0	
TWO-WAY 3-WIRE AUTOMATIC TIE LINES OR INTER- POSITION TRUNKS, TOTAL - SD-95406-01	5	
LOCAL STATION LINES - SD-95409-01, SUBSETS WILL BE PROVIDED BY TEL. CO.	2	
TRANSFER & LAMP RELAY CIRCUIT - SD-95594-01		
AUTOMATIC TRUNK CIRCUIT INCOMING OR 2-WAY TO TOLL SWBD NO. 1 IN SAME BLDG., SD-95732-01		
VOICE FREQUENCY TERMINATION DURING IDLE CKT. CONDITION IS NOT REQ'D BUILDING OUT CAPACITOR IS NOT REQ'D, MAKE BUSY IS NOT REQ'D	2	
FLASHING CIRCUIT SD-95725-01	1	
<u>TRANSFER CIRCUITS</u>		
FOR 2 WAY TRKS. TRANS. TO TOLL SWBD. IN SAME BLDG. - SD-95729-01	0	
FOR INC. TRKS. TRANS. TO TOLL SWBD. IN SAME BLDG. - SD-95728-01	3	
FOR 2 WAY INC. R.D. OUT. AUTO. TRKG. TRANS. TO "A" SWBD. IN SAME BLDG. - SD-95726-01	0	
FOR INC. OR 2 WAY AUTO TRKS. TRANS. TO "A" SWBD. IN SAME BLDG. - SD-95727-01	0	
FOR INC. R.D. OUT AUTO TRKS. TRANS. TO NO. 12 SWBD. IN SAME BLDG. - SD-95539-01	0	

DRY CELL EQUIPMENT

TEST BATTERIES ASSOCIATED WITH THE TEST CENTER SHALL BE LOCATED
ON BATTERY TRAYS IN REAR OF POSITIONS.

Date _____
Office: Paso Robles Main

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11	FIG. G	10	JK. SP.
11	FIG. B	10	
10	FIG. A	9	
10	FIG. A	19	
10	JK. SP.		
10	FIG. E	9	
10	JK. SP.		
21	FIG. H	29	JK. SP.

A B C
 FOR EQUIP OF FIG. S
 SEE ED-90208-01

PANEL EQUIPMENT SKETCHES

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[illegible]

PANEL EQPT. SK.	MULT. NO.	PANEL NO.	POS. NO.
1	1	1	1
2	1	2	1
3	1	3	1
4	1	4	1
5	1	5	1
6	1	6	1
7	1	7	1
8	1	8	1
9	1	9	1
10	1	10	1
11	1	11	1
12	1	12	1
13	1	13	1
14	1	14	1
15	1	15	1
16	1	16	1
17	1	17	1
18	1	18	1
19	1	19	1
20	1	20	1
21	1	21	1
22	1	22	1
23	1	23	1
24	1	24	1
25	1	25	1
26	1	26	1
27	1	27	1
28	1	28	1
29	1	29	1
30	1	30	1
31	1	31	1
32	1	32	1
33	1	33	1
34	1	34	1
35	1	35	1
36	1	36	1
37	1	37	1
38	1	38	1
39	1	39	1
40	1	40	1
41	1	41	1
42	1	42	1
43	1	43	1
44	1	44	1
45	1	45	1
46	1	46	1
47	1	47	1
48	1	48	1
49	1	49	1
50	1	50	1
51	1	51	1
52	1	52	1
53	1	53	1
54	1	54	1
55	1	55	1
56	1	56	1
57	1	57	1
58	1	58	1
59	1	59	1
60	1	60	1
61	1	61	1
62	1	62	1
63	1	63	1
64	1	64	1
65	1	65	1
66	1	66	1
67	1	67	1
68	1	68	1
69	1	69	1
70	1	70	1
71	1	71	1
72	1	72	1
73	1	73	1
74	1	74	1
75	1	75	1
76	1	76	1
77	1	77	1
78	1	78	1
79	1	79	1
80	1	80	1
81	1	81	1
82	1	82	1
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85	1	85	1
86	1	86	1
87	1	87	1
88	1	88	1
89	1	89	1
90	1	90	1
91	1	91	1
92	1	92	1
93	1	93	1
94	1	94	1
95	1	95	1
96	1	96	1
97	1	97	1
98	1	98	1
99	1	99	1
100	1	100	1

[illegible]

PANEL EQPT. SK.
MULT. NO.
PANEL NO.
POS. NO.

TABLE OF FACE EQUIPMENT

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

PLUGGING-UP EQUIPMENT

A PLUGGING-UP PANEL SHALL NOT BE FURNISHED.

PROVIDE THE FOLLOWING RELAY EQUIPMENT FOR THE PLUGGING-UP

LINE AND TRUNKS TO BE TERMINATED IN THE MASTER TEST FRAME.

	<u>(INITIAL)</u> <u>(PRESENT)</u>	<u>(ADD 'L.)</u>	<u>(ULT.)</u> <u>(TOTAL)</u>
PLUGGING-UP LINES, WITH AUTOMATIC CUT THROUGH FEATURE <u>WITH</u> LINE PROTECTION	<u>20</u>	<u> </u>	<u> </u>

REGULAR OFFICE ALARM EQUIPMENT

NOTE

PROVIDE STANDARD ALARM FRAME WITH OFFICE ALARM EQUIPMENT AS

REQUIRED FOR EQUIPMENT ORDERED HEREIN, AND INCLUDING THE FOLLOWING:

	<u>(INITIAL)</u> <u>(PRESENT)</u>	<u>(ADD 'L.)</u>	<u>(ULT.)</u> <u>(TOTAL)</u>
ALARM RECEIVING UNIT - ALARMS FROM DISTANT BLDG.	<u>0</u>	<u> </u>	<u> </u>
ALARM RECEIVING UNIT - ALARMS FROM SAME BLDG. - LOCAL ALARMS	<u>0</u>	<u> </u>	<u> </u>
ALARM SENDING UNIT (WITH MASTER ALM RLSE.)	<u>1</u>	<u> </u>	<u> </u>
DISTINCTIVE TONE UNIT	<u>1</u>	<u> </u>	<u> </u>
EXTENSION ALARM UNITS	<u>0</u>	<u> </u>	<u> </u>
EXTENSION ALARM CIRCUIT NORMALLY OPEN ALARM LEADS FROM DISTANT OFFICE OR PBX	<u>0</u>	<u> </u>	<u> </u>
EXTENSION ALARM CIRCUIT NORMALLY CLOSED ALARM LEADS FROM DISTANT OFFICE OR PBX	<u>0</u>	<u> </u>	<u> </u>

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OFFICE PASO ROBLES MAIN

REGULAR OFFICE ALARM EQUIPMENT (CONT'D)

	(INITIAL) (PRESENT)	(ADD 'L.)	(ULT.) (TOTAL)
EMERGENCY ALARM UNIT	1		

PROVIDE STANDARD MISCELLANEOUS OFFICE ALARM EQUIPMENT NOT MOUNTED ON ALARM FRAME AS REQUIRED FOR EQUIPMENT ORDERED HEREIN, AND INCLUDE THE:

AUDIBLE ALARM UNITS	<u>1</u>	<u> </u>	<u> </u>
EXIT PILOT UNITS	<u>1</u>	<u> </u>	<u> </u>
LAMP CABINET FOR ALARM RECEIVING UNITS,			
<u> </u>	<u>0</u>	<u> </u>	<u> </u>
LAMP CABINET FOR EXTENSION ALARMS	0		

NOTES*

THE AUDIBLE ALARM _____ AND EXIT PILOT
UNITS SHALL BE LOCATED AS SHOWN ON FLOOR PLAN DRAWINGS 1E-8251-01 AND
1E-8251-02.

AISLE PILOT LAMPS IN THE SWITCH ROOM SHALL BE LOCATED ON THE NORTH END OF THE FRAME LINEUPS ON THE AISLE NEAREST THE MASTER TEST FRAME.

CONCEALED CONDUIT IS PROVIDED BETWEEN EXIT PILOT LOCATION IN
OPERATING ROOM AND TERMINAL CABINET ON COL. D2 ON FIRST FLOOR.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

NOTES* (CONT'D)

THE INCOMING ALARMS FROM THE ALARM RECEIVING UNIT _____ -
ARRANGED FOR TRANSFER TO ANOTHER BUILDING AND _____ -
ARRANGED FOR TRANSFER TO A _____ - .

(THE) (EACH) ASSOCIATED LAMP AND KEY CABINET SHALL BE LOCATED
(AS SHOWN ON FLOOR PLAN) (AS FOLLOWS: _____ - DRAWING _____
_____). _____ -

AUDIBLE ALARM WITH CUTOFF KEY SHALL BE PROVIDED FOR OPERATING
ROOM.

ALARM SENDING UNIT IS REQUIRED FOR TRANSMITTING ALARMS TO:

SAN LUIS OBISPO

TRANSFER OF N1 CARRIER ALARMS TO THE ALARM SENDING CIRCUIT
IS REQUIRED.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

DOOR ALARM

PROVIDE A DOOR ALARM CIRCUIT PER K-4044 TO PROTECT THE 3 OUTSIDE DOORS ON THE FIRST FLOOR.

PROVIDE A COMMON DOOR ALARM CUTOFF KEY AND LOCATE WITH MISC. CONTROL KEYS ON THE MASTER TEST FRAME.

LOCATE THE BELL AS DIRECTED BY THE LOCAL PLANT REPRESENTATIVE AT THE TIME OF INSTALLATION.

ARRANGE THE ALARM TO CONNECT TO THE ALARM SENDER CIRCUIT (SD-95417-01) FOR TRANSMISSION TO SAN LUIS OBISPO WHEN THE OFFICE IS UNATTENDED.

BOILER ALARM

PROVIDE A BOILER ALARM CIRCUIT PER G-3277. THE ALARM LEADS FROM THE BOILER ARE TERMINATED AT A JUNCTION BOX IN COLUMN D2 ON THE FIRST FLOOR.

ARRANGE THE ALARM FOR CONNECTION TO THE ALARM SENDER FOR TRANSMISSION TO SAN LUIS OBISPO.

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OFFICE PASO ROBLES MAIN

EMERGENCY ALARM SYSTEM

THE 48 VOLT EMERGENCY ALARM SYSTEM SHALL BE ARRANGED FOR

3 ZONE (S) WITHOUT CODE SIGNALING

AS FOLLOWS:

<u>ZONE LOCATION</u>	<u>ZONE NO.</u>
<u>SWITCH ROOM</u>	<u>1</u>
<u>OPERATING ROOM</u>	<u>2</u>
<u>PLANT SERVICE CENTER</u>	<u>3</u>
_____	_____

VENTILATING FAN CUT-OFF CONTROL SHALL BE PROVIDED FOR THE
FOLLOWING FAN.

<u>FAN</u>	<u>BLDG. AREA OR ZONES</u>	<u>CABLE TO</u>
<u>1</u>	<u>ALL</u>	<u>JUNCTION BOX COL. D-2</u>
_____	_____	<u>FIRST FLOOR</u>
_____	_____	_____
_____	_____	_____

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OFFICE PASO ROBLES MAIN

NOTES*

THE AUTOMATIC FIRE DETECTION FEATURE SHALL BE FURNISHED
PROTECTION SHALL BE PROVIDED FOR MAIN FRAME. _____

THE CODE SYSTEM SHALL HAVE A CAPACITY OF _____.

THE LIMITS OF THE AREA SERVED BY EACH ZONE, THE LOCATION OF THE
STATION BOXES, LAMP SIGNAL CABINETS, FIRE DETECTION RELAY CASING, THE
TYPE AND LOCATION OF ALL BELLS, SILENCING KEYS AND HORNS AND THE
LOCATION OF THE CENTRAL CONTROL EQUIPMENT ARE INDICATED ON DRAWINGS:

<u>1E-8251-01</u>	<u>FIRST FLOOR</u>
<u>1E-8251-02</u>	<u>SECOND FLOOR</u>

CONCEALED CONDUIT RUNS ARE PROVIDED BETWEEN COL. B2 AND D4
ON SECOND FLOOR AND A TERMINAL CABINET ON COL. D2 ON FIRST FLOOR AS
SHOWN ON SHEET E1 OF ARCHITECTS PLANS.

PROVIDE ADDITIONAL EQUIPMENT FOR EXTENDING THE EMERGENCY
ALARM TO SAN LUIS OBISPO (OFFICE).

PROVIDE ADDITIONAL EQUIPMENT FOR RECEIVING AN EMERGENCY ALARM
FROM _____ OFFICE AND ARRANGED AS SEPARATE ZONE _____
(USING) (NOT USING) SUBSCRIBER SETS.

THE LOUD RINGING SUBSCRIBER SETS USED TO SOUND A SEPARATE
ALARM AND THE ASSOCIATED AUDIBLE ALARM CIRCUIT RELAY CASING (AND INCOMING
ALARM LAMP) SHALL BE LOCATED _____.)

PROVIDE AN INTERCOM TELEPHONE PER T-532245, FIG. 2, FOR EACH
EMERGENCY ALARM ZONE AND LOCATE AS SHOWN ON FLOOR PLANS.

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DATE _____
OFFICE PASO ROBLES MAIN

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ENGINEER: S. E. KLINE
TEL. NO.: EX. 9-3275
CHECKER: A. C. SJOLSETH
TEL. NO.: EX. 9-3245

TEST EQUIPMENT - SECTION G

TESTING EQUIPMENT SHALL BE FURNISHED AS ORDERED IN "SECTION B - SUMMARY OF EQUIPMENT" AND IN ACCORDANCE WITH THE FOLLOWING:

MASTER TEST FRAME

GENERAL

THE MASTER TEST FRAME SHALL BE ARRANGED FOR TESTING 4 MARKERS INITIALLY AND 6 ULTIMATELY, ARRANGED TO RECEIVE A MAXIMUM OF 11 DIGITS.

TESTING FACILITIES SHALL BE FURNISHED FOR TESTING DIAL PULSE INCOMING REGISTERS, AND DIAL PULSE ORIGINATING REGISTERS WITH A REGISTER TEST CIRCUIT.

A SPARE KS-13834 PERFORATOR SHALL NOT BE FURNISHED.

A KS-14474 DOLLY AND KS-14475 COVER SHALL NOT BE FURNISHED FOR TRANSPORTING SPARE PERFORATOR.

RECORDER BAY

PLANT REGISTER CIRCUITS

MULTI-FREQUENCY SIGNALING RECEIVING UNIT
SHALL NOT BE PROVIDED

(INITIAL)		(ULT.)
(PRESENT)	(ADD'L)	(TOTAL)

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OFFICE PASO ROBLES MAINMASTER TEST FRAME (CONT'D)JACK BAY

	(INITIAL) (PRESENT)	(ADD'L.)	(ULT.) (TOTAL)
OUTGOING TRUNK TEST AND MAKE BUSY JACK CIRCUITS	<u>60</u>	_____	_____
TEST TRUNK CIRCUITS TO LOCAL TEST DESK IN _____ OFFICE	<u>0</u>	_____	_____
COMMON OVERFLOW TRUNK JACK AND LAMP CIRCUITS	<u>30</u>	_____	_____
PLUGGING-UP LINE JACK LAMP AND KEY CIRCUITS	<u>20</u>	_____	_____
PERMANENT SIGNAL HOLDING TRUNK JACK AND LAMP CIRCUITS	<u>20</u>	_____	_____

THE RELAY EQUIPMENT FOR PLUGGING-UP LINES AND TRUNKS IS COVERED
IN SECTION F, UNDER PLUGGING-UP EQUIPMENT.

CONTROL BAYS

	(INITIAL) (PRESENT)	(ADD'L.)	(ULT.) (TOTAL)
KEY AND LAMP CIRCUITS FOR TRUNKS, TIE LINES AND LOCAL STATION LINES ASSOCIATED WITH CHIEF SWITCHMAN'S DESK, TOTAL	<u>8</u>	_____	_____
WITH LOCKING KEY HOLDING FEATURE	<u>8</u>	_____	_____
WITHOUT LOCKING KEY HOLDING FEATURE OR WITH ELECTRICAL HOLDING FEATURE PER KEY	<u>0</u>	_____	_____

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

MASTER TEST FRAME (CONT'D)

CONTROL BAYS (CONT'D)

_____ THAN ONE DIRECTORY OFFICE DESIGNATION IS
ASSOCIATED WITH THE NUMBERS OF A PHYSICAL OR A THEORETICAL OFFICE.

AUXILIARY SIGNAL CIRCUIT BELL FOR AUDIBLE ALARM ON THE TELEPHONE
CIRCUIT SHALL BE PROVIDED.

FREE NUMBER VERIFICATION IN THE NUMBER GROUP SHALL BE PROVIDED.

OUTGOING TRUNK TEST FRAME SHALL NOT BE FURNISHED

GENERAL

CONTINUITY AND REVERSAL TEST _____ BE FURNISHED.

THE AUXILIARY SIGNAL CIRCUIT _____ BE ARRANGED.

TO SIMULTANEOUSLY OPERATE THE AUXILIARY SIGNAL CIRCUIT IN THE _____

_____ AND _____ BE EQUIPPED FOR NIGHT

ALARM.

TEST BAY _____ BE EQUIPPED FOR TESTING TRUNKS WITH
DRY LOOP SUPERVISION.

THE TEST CIRCUIT SHALL BE EQUIPPED FOR THE FOLLOWING TYPE OF
PULSING:

THE TEST CIRCUIT _____ BELT LINES FOR
TESTING INCOMING TRUNKS.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

TEST BAY

	(INITIAL) (PRESENT)	(ADD'L.)	(ULT.) (TOTAL)
TRUNK OR TIE LINE WITHOUT LOCKING KEY HOLDING FEATURE OR WITH ELELCTRICAL HOLDING FEATURE	<u>—</u>	_____	_____
TRUNK OR TIE LINE WITH LOCKING KEY HOLDING FEATURE	<u>—</u>	_____	_____
TRUNKS TO LTD	<u>—</u>	_____	_____

JACK BAY

OGT T JACK BAYS ULTIMATE CAPACITY JACKS	<u>—</u>	_____	_____
OUTGOING TRUNK TEST AND MAKE BUSY JACKS	<u>—</u>	_____	_____
AUXILIARY OUTGOING TRUNK TEST AND MAKE BUSY JACKS	<u>—</u>	_____	_____
TEST TRUNK CIRCUIT TO LTD	<u>—</u>	_____	_____

LINE INSULATION TEST FRAME

THE LINE INSULATION TEST FRAME SHALL NOT BE PROVIDED

REMOTE CONTROLL _____ PROVIDED.

ARRANGE TO PASS BY LINE LINK VERTICALS IDENTIFIED BY RESISTANCE
BATTERY.

ARRANGE TO PASS BY LINE LINK VERTICALS IDENTIFIED BY CLASS
OF SERVICE.

THE LINE INSULATION TEST FRAME SHALL BE ASSOCIATED WITH MARKER
M _____ D _____.

(T) THE LINE INSULATION TEST FRAME _____ BE ARRANGED TO
OBTAIN TRAFFIC DATA ON LINE LINKS AND TRUNK LINKS.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAINAUTOMATIC PROGRESSION TRUNK TEST FRAMETHE AUTOMATIC PROGRESSION TRUNK TEST FRAME SHALL NOT BE

PROVIDED.

BOX TYPE TEST SETS*

BOX TYPE TEST SETS SHALL BE FURNISHED AS FOLLOWS:

	<u>QUANTITY</u>	<u>SEE NOTE</u>
NO. 3 LOCAL TEST CABINET _____ DIAL, _____ USE, _____ MF PULSING	<u>0</u>	_____
JACK TEST CIRCUIT, FOR TESTING 49,92,141 AND 218 TYPE JACKS, BOX TYPE	<u>0</u>	_____
200 OR 206 TYPE SELECTOR TEST	<u>0</u>	_____
BATTERY BOX WITH _____ CELL CAPACITY	<u>0</u>	_____
NO. 3 INFORMATION DESK INCOMING TRUNK TEST	<u>0</u>	_____
12-B TRANSMISSION MEASURING SET, 20 DB LOSS RANGE	<u>1</u>	_____
35F TEST SET. (FURNISHED BY TEL. CO. FROM PASO ROBLES MANUAL OFF.)	<u>(1)</u>	_____
TEST SET FOR TIMING TESTS	<u>1</u>	_____
TEST SET FOR TESTING 275,276 AND 292 TYPE RELAYS	<u>(1)</u>	<u>1</u>
COLD CATHODE TUBE TEST SET	<u>1</u>	_____
INTERRUPTER SET 30 PULSES PER SECOND (CALIBRATING TEST SET) SD-95453-01	<u>1</u>	_____
PULSE CHECKING TEST SET	<u>1</u>	_____
CALL THRU TEST SET	<u>0</u>	_____
+RCA WV97A SENIOR VOLT-OHMIST	<u>1</u>	_____

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OFFICE PASO ROBLES MAINBOX TYPE TEST SETS* (CONT'D)

	<u>QUANTITY</u>	<u>SEE NOTE</u>
SENDER TEST SET	<u>0</u>	_____
REGISTER TEST SET	<u>1</u>	_____
3A PULSE-GENERATING TEST SET	<u>1</u>	_____
POWER SUPPLY - 3A PULSE GENERATING TEST SET	<u>1</u>	_____
+3A DIGIT CONTROL TEST SET	<u>1</u>	_____
FAULT LOCATOR TEST SET (J94730A L-1)	<u>1</u>	_____
V.D.M. KS-14510	<u>1</u>	_____

RELAY RACK MOUNTED TEST UNITS*

CORD TEST LINES FOR ONE WAY TRANSMISSION TESTING FOR USE WITH MASTER TEST FRAME, SD-96000-01, FIG. 2	<u>1</u>	_____
TEST LINE FOR ONE WAY TRANSMISSION TESTING FOR USE WITH INTERTOLL TRUNKS AT VNL OFFICE SWITCHING LEVEL, 900 OHM IMPEDANCE	<u>0</u>	_____
BALANCE TEST TERMINATIONS SD-96000-01, FIG. 9 & 25	<u>1</u>	_____
209FF AND 209FK RELAY TEST PANEL	<u>0</u>	_____
CALL THROUGH TEST LINES (SD-96064-01) (0022)	<u>2</u>	_____
E REPEATER TEST SET	<u>1</u>	_____

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OFFICE PASO ROBLES MAINRELAY RACK MOUNTED TEST UNITS* (CONT'D)

	<u>QUANTITY</u>	<u>SEE NOTE</u>
TONE TEST CIRCUIT FOR CALL THROUGH TEST SET SD-96238-01	<u>1</u>	<u> </u>

TEST SET ACCESSORIES

CARRYING CASE FOR HAND SIZE OR SIZE "A" TEST BOX (RIGID) (LEATHER)	<u>0</u>	<u> </u>
CARRYING CASE FOR SMALL LADDER SIZE OR SIZE "B" TEST BOX	<u>0</u>	<u> </u>
CARRYING CASE FOR MEDIUM LADDER SIZE OR SIZE "C" TEST BOX	<u>0</u>	<u> </u>
TABLE TYPE WAGONS WITH 12" X 24" TRAYS FOR SUPPORTING BOX TYPE PORTABLE TEST SETS	<u>1</u>	<u> </u>
TABLE TYPE TEST WAGONS WITH WIRE SPOOL RACK AND SOLDERING ACCESSORIES	<u>1</u>	<u> </u>
WIRE SPOOL RACKS AND SOLDERING ACCESSORIES FOR USE ON EXISTING TABLE TYPE TEST WAGONS	<u>0</u>	<u> </u>
TABLE TYPE WAGONS WITH 18" X 43" TRAYS FOR SUPPORT- ING BOX TYPE PORTABLE TEST SETS	<u>0</u>	<u> </u>

NOTES

SENDING PANEL EQUIPMENT FOR PROVIDING 1000 CYCLE TESTING
CURRENT SHALL BE FURNISHED FOR THE CORD TEST LINE EQUIPMENT ORDERED
UNDER "RELAY RACK MOUNTED TEST UNITS" ABOVE.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

NOTES (CONT'D)

COVERS SHALL BE PROVIDED FOR BOX TYPE
TEST SETS.

FURNISH THE FOLLOWING CORDS FOR USE WITH 35F TEST SET: _____

J94714B, LIST 4

THE FOLLOWING TEST SET ACCESSORIES SUCH AS CORDS, PLUGS, HAND-
SET, ETC. FOR USE WITH THE TRANSMISSION MEASURING SET SHALL BE FURNISHED:

FURNISH STANDARD EQUIPMENT FOR USE WITH A NO. 5 XB OFFICE

THE NO. 3 LOCAL TEST CABINET SHALL BE ARRANGED FOR _____ -
WITH TEST BATTERY SUPPLY OBTAINED FROM _____ -

TEST TRUNK JACKS AT THE MDF SHALL BE PROVIDED.

THE TELEPHONE COMPANY WILL PROVIDE OTHER CODED TEST SETS AS
REQUIRED.)

THE WESTERN ELECTRIC COMPANY SHALL PROVIDE THE FOLLOWING OTHER
CODED TEST SETS IN ADDITION TO THOSE ALREADY LISTED: _____ -

MISCELLANEOUS TEST EQUIPMENT

32-A TEST SET FOR MASTER TEST FRAME, OGT TEST FRAME,
AND LINE MESSAGE REGISTER FRAME. 2

1011G HAND TELEPHONE SET WITH 2W41A CORD 2

1011-G HAND TELEPHONE SET WITH A 2W38A CORD
FOR LINE MESSAGE REGISTER FRAME 2

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OFFICE PASO ROBLES MAIN

MISCELLANEOUS TEST EQUIPMENT (CONT'D)

1011G HAND TELEPHONE SET WITH 3W8A CORD	2
52-A HEAD TELEPHONE SET FOR LINE MESSAGE REGISTER FRAME	0
3P6F CORD FOR OGT TEST FRAME	0
67C TEST SET	2
1012A TOOL KIT	1
KS-3008 STOP WATCH	1

NOTES

1. A RELAY TEST SET PER J94725A-1, LIST 1 WILL BE FURNISHED BY THE TEL. CO. FROM EUREKA TOLL OFFICE. IT SHALL BE MODIFIED TO TEST 291 & 292 TYPE RELAYS (LIST A).

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ENGINEER S. E. KLINE

OFFICE PASO ROBLES MAIN

TEL. NO. EX. 9-3275

CHECKER A. C. SJOLSETH

TEL. NO. EX. 9-3245

DISTRIBUTING FRAMES, RELAY RACK, LADDERS, ETC. - SECTION H

GENERAL

THE TELEPHONE COMPANY WILL NUMBER ALL PROTECTORS.

DISTRIBUTING FRAME TERMINAL STRIPS SHALL BE FURNISHED AS
REQUIRED.

MEZZANINE PLATFORMS SHALL NOT BE FURNISHED.

DISTRIBUTING FRAME JUMPER WIRE

PROVIDE 4 JUMPER WIRE REELS.

THE TELEPHONE COMPANY WILL FURNISH JUMPER WIRE NECESSARY FOR

CROSS CONNECTION OF MAIN DISTRIBUTING FRAME.

MAIN DISTRIBUTING FRAME

FURNISH MAIN DISTRIBUTING FRAME OF 11'-6" HEIGHT - 15 SHELVES

AS FOLLOWS:

	(INITIAL) (PRESENT)	(ADDITIONAL)	(ULT.) (TOTAL)
VERTICALS ARRANGED FOR 300 121 TYPE PROTECTORS PER VERTICAL (VERT. 1 & 18-37)	<u>21</u>	<u> </u>	<u> </u>
C52A PROTECTORS	<u>0</u>	<u> </u>	<u> </u>
C50A PROTECTORS	<u>0</u>	<u> </u>	<u> </u>
VERTICALS ARRANGED FOR TERMINAL STRIPS (VERTS. 2-17)	<u>16</u>	<u> </u>	<u> </u>

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OFFICE PASO ROBLES MAIN

MAIN DISTRIBUTING FRAME (CONT'D)

	(INITIAL (PRESENT)	(ADDITIONAL)	(ULT.) (TOTAL)
NO. _____ PROTECTOR BLOCKS	_____	_____	_____
NO. _____ HEAT COILS	_____	_____	_____
NO. _____ HEAT COILS	_____	_____	_____

NOTE: "121" TYPE PROTECTORS WILL BE PROVIDED BY THE TELEPHONE
COMPANY.

NOTES

FURNISH BATTERY AND GROUND SUPPLY CIRCUITS FOR TALKING WITH
LINEMANS HANDSET AND RINGING SUPPLY CIRCUITS FOR TESTING DEFECTIVE CABLES
AS REQUIRED.

CONNECTING BLOCKS TO SUPPLY 48 VOLT BATTERY AND GROUND

SHALL BE PROVIDED.

JACK BOXES FOR TEST AND PLUGGING-UP LINES SHALL BE FURNISHED
AND LOCATED IN A STANDARD MANNER.

A TOTAL OF 1 TERMINAL STRIP WITH 50 TERMINALS
PER ROW SHALL BE PROVIDED ON THE HMDF FOR USE AS BUNCHING BLOCKS
FOR PBX RINGING SUPPLY CIRCUITS.

A TOTAL OF 1 TERMINAL STRIP WITH 50 TERMINALS
PER ROW SHALL BE PROVIDED ON THE HMDF FOR USE AS BUNCHING BLOCKS
FOR PBX BATTERY FEEDERS.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

NOTES (CONT'D)

A TOTAL OF 30, 100 CIRCUIT TERMINAL STRIPS SHALL BE PROVIDED FOR SUBSCRIBERS LINES ON THE HMDF.

VERTICALS 18 TO 37 OF THE MDF SHALL BE RESERVED FOR TELEPHONE COMPANY USE.

TERMINAL STRIPS LOCATED ON THE TOP SHELF SHALL NOT BE ARRANGED TO TILT IN ACCORDANCE WITH ED-91693-01.

FURNISH - MDF TEST JACK CIRCUITS FOR PRIVATE LINES.

MDF TALKING TRUNKS TO TEST DESK SHALL BE FURNISHED AS ORDERED IN SECTION F UNDER LOCAL TEST DESK.

THE SUBSCRIBERS TERMINALS SHALL START ON BAY 15, BOTTOM SHELF AND SHALL EXTEND 6 SHELVES HIGH. (5 SHELVES HIGH INITIALLY).

THE MISCELLANEOUS OFFICE CIRCUITS WHICH REQUIRE PROTECTORS SUCH AS PLUGGING-UP LINES, TEST LINES, ETC. SHALL USE PROTECTORS ON VERT. 1. THESE PROTECTORS WILL BE FURNISHED BY THE TELEPHONE COMPANY.

VERTICALS 2 TO 13 ON THE VMDF AND BAYS 1 TO 12 ON THE HMDF SHALL BE RESERVED FOR TOLL TERMINAL EQUIPMENT.

VERTICALS 2 TO 17 SHALL BE ARRANGED FOR TERMINAL STRIPS ON THE VMDF.

SLEEVE LEADS FOR NUMBER GROUP FRAMES SHALL BE ARRANGED FOR GROWTH VERTICALLY ON BAYS 13 & 14 OF THE HMDF BEGINNING WITH THE BOTTOM SHELF (SHELVES A-F).

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OFFICE PASO ROBLES MAIN

NOTES (CONT'D)

PROVIDE 3 POINT TERMINAL STRIPS FOR 300 CKTS. ON THE HMDF AND CABLE TO THE MISC. 121 TYPE PROTECTORS ON VERTICAL 1. THE PROTECTORS WILL BE FURNISHED BY THE TELEPHONE CO.

BEGINNING WITH BAY 7 OF THE HMDF THE SHELVES ABOVE THE SUBSCRIBERS LINES SHALL BE USED AS FOLLOWS:

<u>SHELF FROM BOTTOM</u>	<u>USE</u>
7-11	TOLL SWBD.
12-14	LOCAL AND MISC.
15	RESERVED FOR TEL. CO. USE

PROVIDE 2 CHANNEL IRONS THE LENGTH OF THE MDF TO SUPPORT STUB CABLES OVER THE AISLE BETWEEN THE WALL AND THE VERTICAL SIDE OF THE FRAME. FURNISH AND SUPPORT THE CHANNEL IRONS IN ACCORDANCE WITH DRAWING G-3306.

RELAY RACK

PROVIDE BAYS OF 11'-6" RELAY RACK AS REQUIRED FOR MOUNTING THE EQUIPMENT ORDERED IN THE VARIOUS SECTIONS OF THIS SPECIFICATION.

LADDERS AND BENCHES

QUANTITY

PROVIDE LADDERS AS FOLLOWS:

12" STRAIGHT TYPE ROLLING WITHOUT BRAKES	AS REQUIRED
PORTABLE STEP LADDERS	1
FOOT STOOLS (KS-5174)	1
ROLLING LADDER SEAT ATTACHMENTS	1
PORTABLE BENCH (KS-5104)	1

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OFFICE PASO ROBLES MAIN

LADDERS AND BENCHES (CONT'D)

NOTES

TRACKS AND FIXTURES SHALL BE PROVIDED AS REQUIRED.

BRAKES SHALL NOT BE FURNISHED FOR ROLLING LADDERS.

TRAFFIC ORD. _____

DATE _____

OFFICE PASO ROBLES MAIN

SPEC. NO. 1E-8251-1, SEC. I, PAGE 1

ENGINEER: S. E. KLINE

TEL. NO.: EX. 9-3275

CHECKER: A. C. SJOLSETH

TEL. NO.: EX. 9-3245

CABLING CABLE HOLES, AND SHEATHING - SECTION I

1. THE LOCATIONS OF ALL CABLE HOLES AND SLOTS ARE SHOWN ON THE FLOOR DRAWINGS. THE TELEPHONE COMPANY WILL, UPON RECEIPT OF DEFINITE LOCATING INFORMATION FROM THE WESTERN ELECTRIC COMPANY, CUT SUCH HOLES OR SLOTS WHICH ARE NOT AS YET CUT AND WHICH ARE INDICATED ON THE FLOOR PLANS BY APPROXIMATE DIMENSIONS.
2. COMPLETE SHEATHING OF ALL CABLE HOLES USED INITIALLY SHALL BE PROVIDED FOR BY THE WESTERN ELECTRIC CO. COMPLETE CLOSING OF THE USED PORTION OF THE MDF CABLE SLOT ____ - ____ BE PROVIDED FOR BY THE ____.
3. THE FOLLOWING DESKS SHALL BE CABLED BY RUNS OVERHEAD: _____

4. CONDUITS OR SLEEVES AS SPECIFIED BELOW SHALL BE USED FOR CABLING TO THE FOLLOWING: CUSTOMER INSTRUCTION SET.
5. THE POWER CABLES SHALL BE CARRIED THROUGH CABLE ____ - ____ AS SHOWN ON THE FLOOR PLAN DRAWINGS.
6. THE FOLLOWING TIE CABLES SHALL BE PROVIDED IN ADDITION TO THOSE REQUIRED FOR FURNISHING THE EQUIPMENT ORDERED HEREIN ON A STANDARD BASIS:

7. CABLING FROM CONNECTOR FRAMES TO FUTURE NUMBER GROUP, LINK AND REGISTER FRAMES SHALL NOT BE INSTALLED AT THIS TIME.

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DATE _____

OFFICE PASO ROBLES MAIN

SPEC. NO. 1E-8251-1, SEC. J, PAGE 1

ENGINEER: G. H. PETERSEN

TEL. NO.: EX. 7-1039

CHECKER: B. E. TAYLOR

TEL. NO.: EX. 9-4817

POWER EQUIPMENT - SECTION J

THIS SECTION PROVIDES FOR THE INSTALLATION OF A COMPLETE NEW POWER PLANT TO CARE FOR THE NO. 5 CROSSBAR AND TOLL SWITCHBOARD EQUIPMENT ORDERED IN PRECEDING SECTIONS OF THIS SPECIFICATION AND THE TOLL TERMINAL EQUIPMENT ORDERED UNDER THE 303-K JOB.

THE FOLLOWING IS A LIST OF MAJOR ITEMS:

ADD: 1-302-A, 48 VOLT POWER PLANT E/W

2-400 AMP., 48 VOLT M.G. SETS

1-48 VOLT BATTERY (27-KS 15544, LIST 508 CELLS)

1-48 VOLT BATTERY STAND

1200 AMP., AUTOMATIC END CELL SWITCH

ADD: 1-507-A, 50 VOLT AMP., 22 VOLT, 60 CYCLE POWER PLANT

ADD: 1-110-A, 24 VOLT POWER PLANT E/W

4-24 VOLT, 30 AMP. RECTIFIERS

12-KS-15544, LIST 501 CELLS

2-KS-5170, LIST 110 C.E.M.F. CELLS

1-24 VOLT, BATTERY STAND

ADD: 1-410-B POS., 130 VOLT, POWER PLANT E/W

3-8 AMP. POS., 130 VOLT RECTIFIERS

22-KS-15544, LIST 311 UNITS

1-40 AMP., RESISTOR PANEL

1-POS., 130V BATTERY STAND

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OFFICE PASO ROBLES MAIN

POWER EQUIPMENT (CONT'D)

ADD: 1-410-B NEG., 130 VOLT POWER PLANT E/W

2-8 AMP. NEG., 130 VOLT RECTIFIERS

22-KS-5361, LIST 151 UNITS

1-NEG., 130 VOLT BATTERY STAND

1-25 AMPERE RESISTOR PANEL

ADD: 1-KS-5574-01, 60KW ENGINE ALTERNATOR SET (THIS WAS A KS-5574-01, LIST 229, 40 K.W. ENGINE. THIS ENGINE SET HAS BEEN MODIFIED FOR 60 K.W. THIS EQUIPMENT WILL BE TELEPHONE COMPANY FURNISHED.)

MISCELLANEOUS CIRCUITS AND EQUIPMENT NOT COVERED HEREIN BUT NECESSARY FOR THE PROPER FUNCTIONING OF THE VARIOUS UNITS OF EQUIPMENT SHALL BE FURNISHED TO AGREE WITH THE STANDARD ARRANGEMENT.

THE 48 VOLT POWER PLANT SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS FOR THE 302-A AUTOMATIC POWER PLANT WITH AUTOMATIC GENERATOR CONTROL, VOLTAGE REGULATION AND AUTOMATIC END CELL SWITCHING.

THE 110-A, 24 VOLT POWER PLANT SHALL BE ARRANGED FOR AUTOMATIC START AND AUTOMATIC VOLTAGE REGULATION IN ACCORDANCE WITH THE LATEST STANDARDS.

THE 410-B, 130 VOLT POWER PLANTS SHALL BE ARRANGED FOR AUTOMATIC START AND AUTOMATIC VOLTAGE REGULATION IN ACCORDANCE WITH LATEST STANDARDS.

SUITABLE EARTHQUAKE BRACING AND AUXILIARY SUPPORTS FOR ALL POWER PLANT EQUIPMENT INCLUDING CABLE RACKS, SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST STANDARDS.

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OFFICE PASO ROBLES MAIN

GENERAL NOTES

1. POWER SERVICE

1.1 THE POWER SERVICE ENTERING THE BUILDING IS AS FOLLOWS:

<u>VOLTS</u>	<u>PHASE</u>	<u>WIRE</u>	<u>FREQUENCY</u>
120/208	3	4	60 \pm 2%

1.2 THE HOUSE SERVICE PANEL WILL BE LOCATED AS SHOWN ON THE FLOOR PLAN.

ONLY ONE SOURCE OF COMMERCIAL POWER SERVICE WILL BE FURNISHED AT THIS LOCATION. THE TELEPHONE COMPANY WILL FURNISH AND INSTALL SWITCHES ON THIS PANEL TO ALLOW MANUAL TRANSFER OF TELEPHONE POWER, BUILDING POWER AND LIGHTING FROM THE ABOVE COMMERCIAL SERVICE TO THE RESERVE POWER PLANT COVERED UNDER NOTE 6 OF THIS SECTION.

1.3 THE SIZE OF THE LEADS BETWEEN A.C. BUS DUCT AND SAFTOFUSE CABINET SHALL BE BASED ON REQUIREMENTS OF THE CENTRAL OFFICE EQUIPMENT AND MISCELLANEOUS EQUIPMENT LISTED HEREIN. THE TELEPHONE COMPANY WILL PROVIDE AN 800 AMP. TELEPHONE POWER SWITCH NO. 1 FOR THE MOTOR GENERATOR BUS DUCT SYSTEM AND THE SAFTOFUSE CABINET. THE CIRCUIT BREAKER WILL BE ARRANGED AS SHOWN ON THE ARCHITECTS PLANS.

1.4 PROVIDE AND INSTALL AN A.C. BUS DUCT SYSTEM, THE FIRST SECTION SHALL BE OF THE 4 WIRE TYPE WITH A 225 AMP. DISCONNECT SWITCH TO SERVE THE SAFTOFUSE CABINET, THE REMAINING SECTION SHALL BE OF THE 3 WIRE TYPE TO CARE FOR THE M.G. SETS. THE DISCONNECT SWITCHES SERVING THE M.G. SET SHALL HAVE THE SAME OR GREATER, HORSE POWER RATING AS THE RATING OF THE MOTORS THEY CONTROL, TO MEET THE REQUIREMENTS OF THE CALIFORNIA STATE ELECTRICAL SAFETY ORDERS.

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

1. POWER SERVICE (CONT'D)

1.5 THE CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT AND TYPE R.H. 600 VOLT N.E.C. PHASE LEADS AND NEUTRAL FROM THE TEL. POWER SW. NO. 1 TO THE BUS DUCT SYSTEM AND CONDUIT AND TYPE R.H. 600 VOLT N.E.C. PHASE LEADS AND NEUTRAL FROM THE BUS DUCT TO THE SAFTOFUSE CABINET.

1.6 AN A.C. POWER SERVICE DISTRIBUTION CABINET PER KS-5774 ARRANGED FOR 120/208 VOLT SERVICE SHALL BE FURNISHED BY THE CONTRACTOR. THE ABOVE CABINET SHALL BE ARRANGED TO CONTROL THE A.C. SUPPLY TO EACH OF THE VARIOUS CHARGING RECTIFIERS, RINGING MACHINES, TRICKLE CHARGE RECTIFIERS AND MISCELLANEOUS SUPPLIES FOR THE ULTIMATE PERIOD. PROVIDE A MINIMUM OF 6-2 POLE AND 6-1 POLE 0-30 AMP. SPARE CIRCUITS.

TRAFFIC ORD. _____

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

2. BATTERIES

2.1 STORAGE BATTERIES OF THE FOLLOWING TYPES AND SIZES SHALL BE FURNISHED:

<u>BATTERY</u>	<u>PERIOD</u>	
	<u>THIS ORDER</u>	<u>ULTIMATE</u>
48 VOLT MAIN	1 STRING	2 STRINGS
23 CELLS PER KS-15544	LIST 508	LIST 508
48 VOLT EMERGENCY	1 STRING	2 STRINGS
4 CELLS PER KS-15544	LIST 508	LIST 508
24 VOLT MAIN	1 STRING	1 STRING
12 CELLS PER KS-15544	LIST 501	LIST 501
24 VOLT C.E.M.F.	1 STRING	1 STRING
2 CELLS PER KS-5170	LIST 110	LIST 110
POS. 130 VOLT MAIN	1 STRING	2 STRINGS
22 KS-15544	LIST 311	LIST 311
NEG. 130 VOLT MAIN	1 STRING	2 STRINGS
22 KS-15544	LIST 151	LIST 151

2.2 THE BATTERY CONNECTORS SHALL BE OF THE LEAD PLATED, COPPER TYPE.

PROVIDE FLEXIBLE CONNECTORS FOR THE EMERGENCY CELLS PER B.S.P.

A.A. 610.006, FIG. 19E.

2.3 THE BATTERIES HAVE BEEN SELECTED TO HAVE SUFFICIENT CAPACITY TO CARRY THE OFFICE BUSY HOUR LOAD, INCLUDING THE RINGING MACHINE AND EMERGENCY LIGHTING, FOR A PERIOD OF 4 HOURS IN THE EVENT OF A COMMERCIAL POWER FAILURE DURING THE INITIAL AND ULTIMATE PERIODS.

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SPEC. NO. 1E-8251-1, SEC. J, PAGE 6

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

2. BATTERIES (CONT'D)

- 2.4 BATTERIES PROVIDED UNDER THIS ORDER SHALL BE ARRANGED FOR CONNECTIONS IN PARALLEL WITH EACH OTHER AND ANY FUTURE BATTERIES SO THAT ANY ONE STRING MAY BE READILY DISCONNECTED FOR MAINTENANCE PURPOSE.
- 2.5 SUITABLE BATTERY STANDS OF THE 2 TIER, 2 ROW TYPE EQUIPPED WITH AUXILIARY EARTHQUAKE BRACING SIMILAR TO DRAWING H-269-344 SHALL BE FURNISHED FOR ALL STORAGE BATTERY EQUIPMENT ORDERED HEREIN.
- 2.6 LOCATE THE BATTERY STANDS AS SHOWN ON THE FLOOR PLAN.
- 2.7 PROVIDE LATERAL DIAGONAL BRACING FROM THE PRIMARY AUXILIARY FRAMING TO THE BATTERY STANDS. THE DIAGONAL BRACING SHALL BE INSTALLED AT THE ENDS OF THE BATTERY STANDS AND IN OPPOSITE DIRECTIONS. THE AUXILIARY FRAMING NORMALLY FURNISHED FOR THE BATTERY STAND UPRIGHT SHALL BE EXTENDED TO CONNECT TO THE TOP OF THE POWER BOARD FRAMEWORK WHERE POSSIBLE, IF THE BATTERY STAND UPRIGHTS AND POWER BOARD ARE OF UNEQUAL HEIGHTS, ADDITIONAL BRACING SHALL BE PROVIDED FOR THE EXTENDED FRAMING BARS TO THE POWER BOARD.
- 2.8 A HYDROMETER SYRINGE SHALL BE PROVIDED FOR EACH PILOT CELL PROVIDED UNDER THIS ORDER.
- 2.9 A FRESHENING CHARGE SHALL BE MADE IN ACCORDANCE WITH HANDBOOK NO. 18.
- 2.10 PROVIDE TWO SETS OF BATTERY LIFTING STRAPS, ONE SET TO BE USED DURING THE INSTALLATION AND THE OTHER SET TO BE TURNED OVER TO THE WIRE CHIEF UNUSED.

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1, SEC. J, PAGE 7

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

3. MOTOR GENERATOR CHARGING EQUIPMENT - 48 VOLT 302A P.P.

3.1 THE MOTOR GENERATOR SETS ASSOCIATED WITH THE 302-A POWER PLANT SHALL BE EQUIPPED WITH AUTOMATIC START CONTROL AND AUTOMATIC VOLTAGE REGULATION.

3.2 FURNISH:

400 AMPERE, 65 VOLT M.G. SETS
(1 RESERVE)

PERIOD	
<u>THIS ORDER</u>	<u>ULTIMATE</u>
2	3

3.3 THE CHARGING SETS SHALL BE LOCATED AND NUMBERED AS SHOWN ON THE FLOOR PLAN.

3.4 PROVIDE AUXILIARY EARTHQUAKE BRACING AND FASTENINGS FOR THE MACHINE BASES IN ACCORDANCE WITH THE LATEST STANDARDS.

3.5 IN ORDER TO COMPLY WITH THE CALIFORNIA STATE MECHANICAL POWER TRANSMISSION SAFETY ORDERS, PROTECTION GUARDS SHALL BE PROVIDED FOR ALL EXPOSED SHAFTS AND COUPLINGS.

3.6 THE SMALLEST OPENING OR PASSAGE THROUGH WHICH IT WILL BE NECESSARY TO TAKE THE LARGEST MOTOR GENERATOR SET IS 3'6" WIDE BY 7'0" HIGH.

3.7 THE A.C. SUPPLY FOR THE ABOVE M.G. SETS IS COVERED UNDER NOTE 1.4 & 1.5

4. RECTIFIER CHARGING EQUIPMENT - 110-A 24V PWR. PLT.

4.1 RECTIFIERS AND ASSOCIATED EQUIPMENT SHALL BE ARRANGED FOR AUTOMATIC START AND AUTOMATIC VOLTAGE REGULATION.

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SPEC. NO. 1E-8251-1, SEC. J, PAGE 8

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

4. RECTIFIER CHARGING EQUIPMENT - 110-A 24V PWR. PLT. (CONT'D)

4.2 FURNISH:

	PERIOD	
	<u>THIS ORDER</u>	<u>ULTIMATE</u>
24 VOLT, 30 AMP. RECTIFIERS	4	5

4.3 PROVIDE ARMORED CABLE FROM THE SAFTOFUSE CABINET TO THE NEW RECTIFIERS
AS REQUIRED.

4.4 THE A.C. SUPPLY FOR THE NEW RECTIFIERS IS COVERED UNDER NOTE 1.6.

4.5 THE RECTIFIERS SHALL BE LOCATED IN THE POWER BOARD LINEUP AND NUMBERED
AS SHOWN ON THE FLOOR PLAN.

5. RECTIFIER CHARGING EQUIPMENT - 410-B POS. & NEG. 130 VOLT POWER PLANTS

5.1 RECTIFIER AND ASSOCIATED EQUIPMENT SHALL BE ARRANGED FOR AUTOMATIC
START AND AUTOMATIC VOLTAGE REGULATION.

5.2 FURNISH:

	PERIOD	
	<u>THIS ORDER</u>	<u>ULTIMATE</u>
8 AMP. POS. 130 VOLT RECTIFIERS (1 RESERVE)	3	2
24 AMP. POS. 130 VOLT RECTIFIERS (1 RESERVE)	-	3
8 AMP. NEG. 130 VOLT RECTIFIERS (1 RESERVE)	2	5

5.3 PROVIDE ARMORED CABLE FROM THE SAFTOFUSE CABINET TO THE NEW RECTIFIERS
AS REQUIRED.

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DATE _____

OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

5. RECTIFIER CHARGING EQUIPMENT - 410-B POS. & NEG. 130 VOLT POWER PLANTS

5.4 THE A.C. SUPPLIES FOR THE NEW RECTIFIERS ARE COVERED UNDER NOTE 1.6.

5.5 THE NEW RECTIFIERS SHALL BE LOCATED IN THE POWER BOARD LINE UP AND
NUMBERED AS SHOWN ON THE FLOOR PLAN.

6. RINGING, TONE AND COIN CONTROL POWER PLANT

6.1 FURNISH AND INSTALL:

1-804-C RINGING POWER PLANT SIMILAR TO J-86451

6.2 THE 804-C RINGING PLANT SHALL BE ARRANGED FOR 1,2 AND 4-PARTY FULL
SELECTIVE, 8-PARTY SEMI-SELECTIVE AND 5 CODE 10-PARTY RINGING.

6.3 PROVIDE A HOWLER SUPPLY FOR THE TEST CENTER.

6.4 THE POSITIVE AND NEGATIVE COIN CONTROL SUPPLY SHALL BE OBTAINED
FROM THE NEW 410-B 130 VOLT PLANTS.

6.5 THE RINGING POWER BOARD SHALL BE LOCATED IN THE POWER BOARD LINE
UP AS BAYS 4 & 5, AS SHOWN ON THE FLOOR PLAN.

6.6 RINGING CURRENTS, TONES AND SIGNALS REQUIRED TO SATISFACTORILY
OPERATE THE NO. 5 CROSS BAR NO. 1 TOLL SWITCHBOARD AND TOLL TERMINAL
EQUIPMENT ORDERED IN PROCEEDING SECTIONS OF THIS SPECIFICATION
SHALL BE FURNISHED.

6.7 TONES AND SIGNALS FOR USE IN THIS OFFICE WILL BE AS FOLLOWS:

LINE BUSY	LOCAL	TONE	60 IPM
LINE BUSY	TOLL	TONE	60 IPM
ALL PATHS BUSY	LOCAL	TONE	120 IPM
ALL PATHS BUSY	TOLL	TONE	120 IPM

REFER TO P.E.L. 6073

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

6. RINGING, TONE AND COIN POWER PLANT (CONT'D)

6.8 PROVIDE EARTHQUAKE BRACING FOR THE RINGING POWER PLANT IN ACCORDANCE WITH THE LATEST STANDARDS.

7. RESERVE POWER PLANT

7.1 THE TELEPHONE COMPANY WILL FURNISH THE FOLLOWING RESERVE POWER PLANT ITEMS:

(A) 1 - KS-5574-01, LIST 229-40 K.W. 4 WIRE, 3 PHASE, 60 CYCLE ENGINE ALTERNATOR SET 120/208 VOLTS

(B) 1 - J-86614B-1, LIST 8, 40 K.W. ENG. ALTERNATOR SET TO OPERATE AT 120/208V. A.C. MODIFIED TO OMIT 1 KS-5574-01, LIST 229, RADIATOR AND FAN COOLED 3 PHASE ALTERNATOR SET, LESS 2 EXIDE 6 VOLT 3LXWG-21-1B BATTERY.

(C) THE ABOVE 40 K.W. SET WILL BE FURNISHED BY THE TELEPHONE COMPANY FROM THE FRESNO BALDWIN 107 H JOB AND SHIPPED DIRECT TO THE PASO ROBLES OFFICE. BEFORE SHIPPING TO PASO ROBLES OFFICE THE SET WILL BE MODIFIED FOR 60 K.W. OUTPUT AND WILL BE EQUIPPED WITH A 10" I BEAM BASE, TO BE USED IN PLACE OF A CONCRETE PIER.

(D) A 275 GALLON FLOOR MOUNTED FUEL TANK AND GAUGE.

(E) FUEL LINES FROM TANK TO A POINT NEAR ENGINE SET AS SHOWN ON FLOOR PLAN.

(F) A 3/4" WATER LINE LOCATED AS SHOWN ON THE ARCHITECTS PLANS.

(G) A 4" EXHAUST LINE FROM 12" WITHIN ENGINE ROOM TO THE ROOF. REFER TO ARCHITECTS PLANS FOR LOCATION.

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

7. RESERVE POWER PLANT (CONT'D)

7.1 (CONT'D)

(H) EXHAUST AND INTAKE AIR OPENINGS IN THE WALLS.

(I) 4 #500,000 C.M. PHASE AND GROUND LEADS FROM THE H.S.P. TO A PULL BOX (18" x 30" x 12") IN THE ENGINE ROOM LEAVING 25' SLACK. SEE ARCHITECTS PLANS.

(J) CONDUIT AND LEADS (3/4" COND. E/W 2 #10'S) FROM A CEILING BOX NEAR COL. E-3 TO A CEILING BOX IN ENGINE ROOM (START BATTERY RECTIFIER).

(K) START BATTERY RECTIFIER.

7.2 PROVIDE CONDUIT AND LEADS FROM THE SAFTOFUSE CABINET TO CEILING BOX NEAR COL. E-3. SEE NOTE 6.1-J. (START BATTERY RECTIFIER)

7.3 THE INSTALLER SHALL HAVE AN EXHAUST AIR DUCT, MADE UP LOCALLY, FROM RADIATOR TO WALL OPENING, SEE NOTE 7.1-G. THE ABOVE DUCT SHALL BE EQUIPPED WITH AN 18" x 18" ACCESS DOOR.

7.4 PROVIDE NEW ENGINE STARTING BATTERY SIMILAR TO EXIDE 3LXWG-21 BATTERY.

7.5 EXTEND THE WATER LINE TO TOP OF RADIATOR AND EQUIP THE PIPE WITH A SHUT-OFF VALVE. A MINIMUM OF 1/2" SPACE SHALL BE PROVIDED BETWEEN THE RADIATOR FILL CAP AND PIPING.

7.6 THE INSTALLER SHALL PURCHASE LOCALLY ANY FUEL LINE OR EXHAUST LINE PARTS REQUIRED AND NOT SHIPPED FROM THE FRESNO BALDWIN OFFICE.

7.7 THIS EMERGENCY ENGINE SET WILL NOT BE MOUNTED ON A CONCRETE PIER.

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

7. RESERVE POWER PLANT (CONT'D)

7.8 THE START BATTERY RECTIFIER SHALL BE LOCATED AS SHOWN ON THE FLOOR PLAN.

7.9 PROVIDE AND INSTALL A REMOTE STOP SWITCH LOCATED ON WALL IN POWER ROOM NEAR THE ENGINE ROOM DOOR.

8. POWER BOARD

8.1 POWER BOARD EQUIPMENT SHALL BE LOCATED AND NUMBERED AS SHOWN ON THE FLOOR PLAN.

8.2 THE POWER BOARDS SHALL BE 8'0" HIGH. THE 24V-110-A AND 130V-410-B POWER BAYS SHALL BE OF THE BOX TYPE FRAMEWORK.

8.3 SUPPORTS FOR THE POWER BOARD SHALL BE ARRANGED ACCORDING TO STANDARD PRACTICES. ADDITIONAL AUXILIARY EARTHQUAKE BRACING SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST STANDARD PRACTICES. (SEE NOTE 2.7)

8.4 EQUIPMENT SHALL BE MOUNTED ON THE POWER BOARD FOR OPERATING THE POWER PLANT ON A CONTINUOUS FLOAT, AUTOMATIC START AND VOLTAGE REGULATION BASIS WITH AUTOMATIC END CELL OPERATION FOR THE 302-A PLANT.

8.5 ALL FUSES SHALL BE FRONT MOUNTED WITH REAR CONNECTED FUSE POSTS INCLUDING THE VOLTMETER FUSES WHICH SHALL BE PLACED AS NEAR AS PRACTICABLE TO THE SWITCH OR BUS BAR FROM WHICH THE TAP IS TAKEN.

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

8. POWER BOARD (CONT'D)

8.6 IN ORDER TO COMPLY WITH THE CALIFORNIA STATE ELECTRICAL SAFETY ORDERS,
THE FOLLOWING REQUIREMENTS CONCERNING SWITCH AND FUSE EQUIPMENT ON
COMMERCIAL POWER SUPPLY SHALL BE FOLLOWED:

- (A) ALL SWITCHES OR SAFTOFUSE UNITS SHALL SIMULTANEOUSLY OPEN ALL
UNDERGROUND CONDUCTORS OF THE CIRCUIT THEY CONTROL WITH ONE
OPERATION.
- (B) ALL SWITCHES, CIRCUIT BREAKERS, SAFTOFUSE UNITS AND FUSES SHALL
BE SO INSTALLED THAT THE TOP OF THE FUSE OR THE CENTER OF THE
SWITCH HANDLE WILL BE NOT MORE THAN 6'-6" ABOVE THE FLOOR.
- (C) ALL CARTRIDGE TYPE FUSES SHALL BE FRONT MOUNTED, REAR CONNECTED
AND EQUIPPED WITH A DISCONNECTING SWITCH. THE CONNECTORS SHALL
BE SO ARRANGED THAT THE FUSES AND SWITCH BLADES ARE DEAD WHEN
THE SWITCH IS OPEN. THE SAFTOFUSE CABINETS WITH REMOVABLE
FUSE BLOCKS MEETS THIS REQUIREMENT.

8.7 THE ABOVE SHALL APPLY TO ALL POWERBOARDS OR CONTROL PANELS
FURNISHED ON THIS ORDER UNLESS OTHERWISE SPECIFIED.

8.8 THE BATTERY CONTROL PANEL SHALL BE MOUNTED IN LINE WITH THE MAIN
POWER BOARD AS SHOWN ON THE FLOOR PLAN. EQUIPPED PANELS SHALL BE
FURNISHED AND ARRANGED TO CARE FOR THE INITIAL DEMANDS. SPACE FOR
ULTIMATE REQUIREMENTS SHALL BE PROVIDED ON THE FRAMEWORK FOR WHICH
EQUIPPED PANELS WILL BE FURNISHED AT A LATER DATE AS REQUIRED.

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

8. POWER BOARD (CONT'D)

8.9 PROVIDE TRICKLE CHARGE RECTIFIERS FOR THE EMERGENCY CELLS AS REQUIRED.

8.10 THE 48 VOLT END CELL SWITCHES SHALL BE 1200 AMPERE CAPACITY.

8.11 THE RESISTOR PANELS USED IN PLACE OF C.E.M.F. CELLS SHALL BE MOUNTED
IN THE ORIGINATING BAY OF EACH RESPECTIVE 410-B POWER PLANT.

9. DATA FOR DETERMINING THE SIZE OF POWER LEADS

9.1 THE FOLLOWING DRAIN DATA SHALL BE USED IN DETERMINING THE SIZE OF
POWER LEADS:

	PERIOD			
	THIS ORDER			
	INITIAL 1960		ULTIMATE 1975	
	<u>24V</u>	<u>48V</u>	<u>24V</u>	<u>48V</u>
NO. 5 XBAR		148.00		297.00
MISC.		7.00		7.00
TOLL TERM.	18.00	72.00	67.00	202.00
NO. 1 SW. BOARD	48.00	22.00	48.00	22.00
TOTAL	66.00	249.00	115.00	528.00
	<u>+130V</u>	<u>-130V</u>	<u>+130V</u>	<u>-130V</u>
TOLL TERM.	14.57	1.04	55.53	25.63
NO. 5 XBAR	.71	.09	.90	.09
TOTAL	15.28	1.13	56.43	25.72

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DATE _____

OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

9. DATA FOR DETERMINING THE SIZE OF POWER LEADS (CONT'D)

9.2 THE FOLLOWING EMERGENCY DRAINS ARE NOT INCLUDED IN THE ABOVE DATA:

	PERIOD	
	<u>THIS ORDER</u> <u>48V</u>	<u>ULTIMATE 1975</u> <u>48V</u>
EMERGENCY LIGHTING	15.00	15.00
RINGING MACHINE	5.00	5.00
507-A POWER PLANT	2.00	2.00
TOTAL	22.00	22.00

10. CONDUIT AND POWER WIRING

10.1 BRAIDED RUBBER COVERED FLAMEPROOF CABLES SUPPORTED ON CABLE ROCKS

SHALL BE USED WHEREVER PRACTICABLE AND IN ACCORDANCE WITH THE LATEST STANDARDS, EXCEPT AS OTHERWISE SPECIFIED.

10.2 ALL CONDUITS AND CABLERACKS SHALL BE SUSPENDED FROM THE SUPERSTRUCTURE IN POWER AND EQUIPMENT ROOMS.

10.3 THE POWER SUPPLY LEADS FROM THE POWER PLANT TO THE EQUIPMENT ROOMS SHALL BE CARRIED ON POWER CABLE RACKS SUSPENDED FROM THE CEILINGS AND THROUGH THE CABLE SLOTS BETWEEN FLOORS.

10.4 THE POWER CABLE RACKS TO THE EQUIPMENT ROOMS SHALL BE DESIGNED TO CARE FOR THE DISCHARGE AND BATTERY SUPPLY LEADS FOR THE ULTIMATE REQUIREMENTS.

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

11. CEILING INSERTS

11.1 CEILING INSERTS FROM WHICH THE CABLE RACKS AND SUPERSTRUCTURE IN THE POWER AND ENGINE ROOM, AREAS ARE TO BE SUSPENDED WILL BE FURNISHED BY THE TELEPHONE COMPANY. THE ARCHITECTS PLANS WILL SHOW THE NUMBER AND LOCATION OF THESE INSERTS.

12. GROUND AND GROUND LEADS

12.1 THE CONTRACTOR SHALL ESTABLISH A STANDARD CENTRAL OFFICE GROUNDING SYSTEM FOR A NO. 5 CROSSBAR OFFICE. THE TELEPHONE COMPANY HAS INSTALLED A COMMON GROUND TERMINAL ADJACENT TO THE H.S.P. AND SHOWN ON THE ARCHITECTS PLANS. THE TELEPHONE COMPANY WILL PROVIDE THE BONDING OF THE WATER MAIN AS COVERED IN HANDBOOK NO. 18.

13. ALARMS

13.1 AN ALARM SYSTEM IN ACCORDANCE WITH THE LATEST STANDARD FOR A NO. 5 CROSSBAR OFFICE SHALL BE FURNISHED FOR THE POWER PLANT EQUIPMENT ORDERED HEREIN.

14. MISCELLANEOUS

14.1 A WESTON 931 PORTABLE VOLTMETER, 0-3 SCALE, SENSITIVITY 1000 OHMS PER VOLT AND CARRYCASE SHALL BE FURNISHED (P.E.M. 5487).

14.2 THE CONTRACTOR SHALL FURNISH TEST SUPPLIES PER TELEPHONE CO. DRAWING B-3612 FOR THE METAL WORK BENCH COVERED IN OTHER SECTIONS OF THIS SPECIFICATION. LIGHTING FOR THE ABOVE BENCH IS COVERED IN THE LIGHTING SECTION OF THIS SPECIFICATION.

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DATE _____

OFFICE PASO ROBLES MAIN

SPEC. NO. 1E-8251-1, SEC. K, PAGE 1

ENGINEER: G. H. PETERSEN

TEL. NO.: EX. 7-1039

CHECKER: B. E. TAYLOR

TEL. NO.: EX. 9-4817

LIGHTING - SECTION K

THIS SECTION PROVIDES FOR THE INSTALLATION OF A.C. AND EMERGENCY LIGHTING AND APPLIANCE OUTLET EQUIPMENT REQUIRED FOR THE CENTRAL OFFICE EQUIPMENT COVERED IN OTHER SECTIONS OF THIS SPECIFICATION.

1. FRAME AND AISLE LIGHTING

1.1 THE TELEPHONE COMPANY WILL PROVIDE THE GENERAL BUILDING ILLUMINATION AS REQUIRED.

1.2 THE CONTRACTOR SHALL FURNISH AND INSTALL FLUORESCENT LIGHTING IN THE POWER AND ENGINE ROOMS IN ACCORDANCE WITH H-566-247. THE LIGHTS SHALL BE OF THE DOUBLE 40 WATT LAMP TYPES EQUIPPED WITH HIGH POWER FACTOR CAPACITORS. THE 120 VOLT SUPPLIES SHALL BE OBTAINED FROM THE LIGHTING PANELS LOCATED AS SHOWN ON THE ARCHITECTS PLANS. CONDUIT SHALL BE SUSPENDED FROM THE SUPERSTRUCTURE OR CEILING IN ACCORDANCE WITH STANDARD PRACTICES.

1.3 THE CONTRACTOR SHALL PROVIDE LADDER TRACK FLUORESCENT LIGHTING IN ACCORDANCE WITH STANDARD PRACTICES FOR A NO. 5 CROSSBAR INSTALLATION. IN THIS CONNECTION THE LIGHTING TO BE INSTALLED ON THE DISTRIBUTING FRAMES SHALL BE CONTROLLED BY 3-WAY SWITCHING FROM EITHER END OF THE FRAMES FOR THEIR RESPECTIVE SIDE. THE LEVOLIER SWITCH NORMALLY FURNISHED PER FIXTURE SHALL BE OMITTED. THE FIXTURES TO BE INSTALLED ON THE HORIZONTAL SIDE OF THE M.D.F. SHALL BE OF THE SPREAD TYPE

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OFFICE PASO ROBLES MAIN

LIGHTING (CONT'D)

1. FRAME AND AISLE LIGHTING (CONT'D)

1.3 (CONT'D)

FIXTURE. IN THIS MANNER, ADEQUATE ILLUMINATION WILL BE AVAILABLE FOR MAINTENANCE AT THE TOP OF THE ADJACENT LINEUP.

1.4 LIGHTING CIRCUITS WILL BE OF 1600 WATT CAPACITY PER CIRCUIT WITH NO. 12 GAUGE WIRE PROTECTED AT 20 AMPERES.

1.5 NO LIGHTING SHALL BE FURNISHED FOR PRINT DISPLAY BOARDS.

1.6 THE LIGHTING SHALL BE ARRANGED TO COVER ALL FUTURE EQUIPMENT SHOWN ON THE FLOOR PLANS AND SHALL INCLUDE CHARTS OR TABLES SHOWING THE INITIAL AND FUTURE WATTAGE OF EACH CIRCUIT.

1.7 APPLIANCE RECEPTACLE OUTLETS SHALL BE PROVIDED ON ALL FRAMES AND RACKS IN ACCORDANCE WITH THE LATEST STANDARDS FOR NO. 5 CROSSBAR OFFICES. THE APPLIANCE RECEPTACLES SHALL BE OF THE 3-WIRE 2 POLE GROUNDED TYPE SIMILAR TO KONDU RG-210 TYPE.

1.8 PROVIDE TROL-E-DUCT FOR THE M.D.F. IN ACCORDANCE WITH THE LATEST STANDARDS.

1.9 THE TELEPHONE COMPANY WILL PROVIDE CEILING SOURCE OUTLETS FOR THE ABOVE TROL-E-DUCT CIRCUITS.

1.10 THE TELEPHONE COMPANY WILL PROVIDE LIGHTING AND RECEPTACLE PANELS AS SHOWN ON THE ARCHITECTS PLANS. SPARE CIRCUITS IN THESE PANELS ARE FOR THE CONTRACTORS USE AS REQUIRED.

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OFFICE PASO ROBLES MAIN

LIGHTING (CONT'D)

1. FRAME AND AISLE LIGHTING (CONT'D)

- 1.11 THE CONTRACTOR SHALL FURNISH AND INSTALL THE CONDUIT, FITTINGS AND WIRE BETWEEN THE PANEL BOX AND OUTLETS.

2. EMERGENCY LIGHTING

- 2.1 PROVIDE A STANDARD 48 VOLT D.C. EMERGENCY LIGHTING SYSTEM WITH FIXTURES LOCATED AS SHOWN ON THE FLOOR PLAN.
- 2.2 PROVIDE A 60 AMPERE PALMER CONTRACTOR SIMILAR TO KS-5189-03 FOR 120/208, 3 PHASE, 4-WIRE, 60 CYCLE A.C. SERVICE ARRANGED TO CONTROL THE 48 VOLT D.C. SUPPLY TO THE EMERGENCY LIGHTING CIRCUITS IN CASE OF A FAILURE OF THE REGULAR A.C. LIGHTING SYSTEM.
- 2.3 THE TELEPHONE COMPANY WILL PROVIDE THE FEEDERS FOR THE 120/208, 3-PHASE, 4-WIRE A.C. SERVICE TO THE ABOVE CONTACTOR FUSED AT 5 AMPERES.
- 2.4 THE TELEPHONE COMPANY WILL PROVIDE A 48 VOLT DISTRIBUTION PANEL "X" LOCATED AS SHOWN ON THE ARCHITECTS PLANS. THIS PANEL WILL BE EQUIPPED WITH 16 CIRCUITS WHICH SHALL BE WIRED FROM THE CONTACTOR SO THAT A PLUG TYPE FUSE WILL PROTECT THE LIVE SIDE OF EACH 48 VOLT BRANCH CIRCUIT.
- 2.5 THE TELEPHONE COMPANY WILL FURNISH AND INSTALL THE FOLLOWING EMERGENCY LIGHTING ITEMS:
- (A) CONDUIT AND NO. 10 WIRING TO CEILING SOURCE OUTLETS IN APPARATUS ROOM, POWER AREA AND ENGINE ROOM.
- (B) SPECIAL FIXTURES FOR STAIRWAYS, LOBBIES, CORRIDORS AND OPERATING ROOM.

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DATE _____

ENGINEER: S. E. KLINE

OFFICE PASO ROBLES MAIN

TEL. NO.: EX. 9-3275

CHECKER: A. C. SJOLSETH

TEL. NO.: EX. 9-3245

SUPPLEMENTARY INFORMATION - SECTION L

EXISTING JOB SPECIFICATIONS FOR REFERENCE

ENGINEERING PAPERS FOR REFERENCE

T.O. 14060 DATED DECEMBER 29, 1958

T.O. 14204 DATED JANUARY 21, 1959

TELEPHONE COMPANY'S ASSOCIATED SPECIFICATIONS

1E-8251-2, APP. _____, TOLL SWITCHBOARD

1E-7789, APP. _____, TOLL TERMINAL

TELEPHONE COMPANY DRAWINGS FOR REFERENCE

1E-8251-01	ISSUE 2	FLOOR PLAN - FIRST FLOOR APPRATUS AND POWER ROOM
1E-8251-02	ISSUE 1	FLOOR PLAN - SECOND FLOOR
NC-5360-11-4G	ISSUE 1	TRUNKING DIAGRAM
DA-30067-11	ISSUE 2)	
DC-30067-01	ISSUE 2)	
DE-30067-01	ISSUE 3)	DIAL SUBSCRIBERS TRAINING TEST SET
DS-30067-01	ISSUE 2)	
DW-30067-11	ISSUE 3)	

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OFFICE PASO ROBLES MAIN

TELEPHONE COMPANY DRAWINGS FOR REFERENCE (CONT'D)

G-3277	ISSUE 1	BUILDING EQUIPMENT ALARM
G-3297	ISSUE 11	EXTENSION LINE BRIDGING CKT.
K-4044	ISSUE 3	DOOR ALARM
BK-4044	ISSUE 1	" " CKT. DESCRIPTION
G-3306	ISSUE 1	PROTECTOR STUB CABLE SUPPORT

GENERAL NOTES

1. TRANSMISSION ACCEPTANCE TESTS SHALL NOT BE MADE BY THE WESTERN ELECTRIC COMPANY.

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OFFICE PASO ROBLES MAIN

GENERAL NOTES (CONT'D)

2. REPRODUCED TRACINGS WILL BE REQUIRED AND SHOULD BE SHIPPED TO THE CHIEF ENGINEER AS SOON AS ALL INSTALLER'S CHANGES HAVE BEEN RECORDED.

3. FURNISH 1 REPRODUCED TRACING OF EACH OF THE FOLLOWING DRAWINGS:

FLOOR PLANS, 1ST & 2ND FLOORS

METHOD OF PROCEDURE

THE ENGINEERING OF THIS ORDER IS BASED ON THE ORDER OF INSTALLATION BEING PERFORMED SO THAT THE MAIN FRAME WILL BE TURNED OVER TO THE TELEPHONE COMPANY 2 WEEKS AFTER START DATE AND THE LOCAL TEST DESK BEING TURNED OVER 1 MONTH BEFORE THE SCHEDULED TURNOVER OF THE REMAINING EQUIPMENT. THE REST OF THE WORK MAY BE PERFORMED IN ANY ORDER DESIRED BY THE CONTRACTOR.

EQUIPMENT FURNISHED BY THE TELEPHONE COMPANY

THE FOLLOWING EQUIPMENT WILL BE FURNISHED BY THE TELEPHONE COMPANY AND DELIVERED TO THE JOB LOCATION:

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OFFICE PASO ROBLES MAIN

EQUIPMENT CONSISTS OF:

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>INSTALLED UNDER</u>
1	J-28154A-50, LIST 1, LINE LINK CONN. FR.	SELMA 102-H W.E. CO. SPEC. 88295-H 584 ITEM 1
5	LIST 2	
5	LIST 3	
25	LIST 4	
5	LIST E	
1	LIST F	
1	LIST G	
25	LIST WA	
1	J-28155A-50, LIST 12, LINE LINK CONN. CONT. UNIT	SELMA 102-H W.E. CO. SPEC. 88295-H 584 ITEM 1A
5	LIST 3	
5	LIST 13	
5	LIST 9	
25	LIST 10	
5	LIST A	
5	LIST WA	
5	LIST WC	
1	J-94725A-1, LIST 1, RELAY TEST SET	EUREKA TOLL
1	J-94714B-1, LIST 1, 35-F TEST SET	PASO ROBLES MANUAL OFFICE

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OFFICE PASO ROBLES MAIN

<u>QUANTITY</u>	<u>EQUIPMENT (CONT'D)</u>	<u>INSTALLED UNDER</u>
1	J-95002F-7, LIST 1, NO. 14 LTD POS. 3, E/W:	52-H SPEC. E-8166 W.E. ORDER 60362
1	LIST 5,8,9,15,16,A,E,AM,AD,AS,WA,WC	
1	LIST N	
2	LIST G	
10	LIST H	
64	LIST AR	
1	5-EB DIAL	
4	1-C DES. STRIPS	
20	285-C JACKS ON 191-A MTG. (2 STRIPS)	
40	43-A LAMP SOCKETS ON 290-A MTG. (2 STRIPS)	52-H SPEC. E-8166 W.E. ORDER 60362 9-46
20	69-A KEYS ON 235 MTG. (2 STRIPS)	
1	191-A JK. MTG., E/W:	
3	238-A JKS. (POS. 0-2)	
1	285-C JKS. (POS. 9)	
2	39-B APP. BLANKS POS. 7-8	
13	101-A JK. SPACE	
1	101-AP JK. SPACE	
6	101-AB JK. SPACE	

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OFFICE PASO ROBLES MAIN

EQUIPMENT (CONT'D)

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>INSTALLED UNDER</u>
4	101-G JK. SPACE	
1	101-AF JK. SPACE	
1	LIST N	
5	LIST H	62-H 2-48
1	238-A JACK (M.D.F. TEST TRK. POS. 3)	
1	C7B KEY	
1	LIST N	164-H SPEC. EE-3675 12-52
10	285-C JACKS ON 191-A MTG. (1 STRIP)	
20	43-A LAMP SOCKETS ON 290-A MTG. (1 STRIP)	
10	69-A KEYS ON 235 MTG. 1 STRIP	
1	1-C DES. STRIP	
1	LIST N	138-H EE-2815 7-51
1	LIST N	212-H SPEC. EE-6138 5-54
4	LIST H	
10	285-C JACKS ON 191-A MTG. (1 STRIP)	
20	43-A LAMP SOCKETS ON 290-A MTG. (1 STRIP)	
10	69-A KEYS ON 235 MTG. (1 STRIP)	

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SPEC. NO. 1E-8251-1, SEC. L, PAGE 7

DATE _____

OFFICE PASO ROBLES MAIN

EQUIPMENT (CONT'D)

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>INSTALLED UNDER</u>
1	S3B CORD 6'-0" SLATE, E/W:	
1	310 PLUG BLACK SHELL (TC-1)	
1	119 CORD WEIGHT	
1	12-B NO. PLT. ENGR. (TC-1)	
1	C3H KEY	
20	49 JACKS ON 114 MTG. (1 STRIP)	
20	43-A LAMP SOCKETS, 290-A MTG. (1 STRIP)	
2	1-C DES. STRIP	
20	8-D LAMP CAPS	
20	2-U LAMPS	
10	285-C JACKS ON 191-A MTG. (1 STRIP)	256-H SPEC. EE-7795 6-55
10	69-A KEYS ON 235 MTG. (1 STRIP)	
1	KS-13724 ELECTRONIC VOLTMETER	256-H SPEC. EE-7795 6-55
1	238-A JK. (M.D.F. TEST POS. 4)	
1	1-C DES. STRIP	
1	12-B NO. PLT. ENGR. (DT)	
1	53-A LAMP SOCKET	
1	2-U LAMP	
1	4-A LAMP CAP	

TRAFFIC ORD. _____

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DATE _____

OFFICE PASO ROBLES MAIN

EQUIPMENT (CONT'D)		INSTALLED
<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>UNDER</u>
1	ALAAB KEY	
1	107-A RES. 57060 OHMS	
1	107-B RES. 5360 OHMS	
1	107-B RES. 25650 OHMS	
1	NO. 9445 BRYANT LAMP HOLDER	
1	ALAAG KEY	
1	101-ED RES.	
1	R-591 RELAY	
1	609-DL MTG. PLT.	
1	181-B INDUCTION COIL	
1	208-A TERMINAL	
1	U-722 RELAY	
1	U-4 RELAY COVER	
10	285-C JACKS ON 191-A MTG. (1 STRIP)	298-H SPEC. 1E-1389 4-56
10	43-A LAMP SOCKETS ON 290-A MTG. (1 STRIP)	
10	69-A KEYS ON 235 MTG. (1 STRIP)	298-H SPEC. 1E-1389 4-56
1	238-A JACK (MDF TEST POS. 5)	
1	1-C DES. STRIP	

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DATE _____

OFFICE PASO ROBLES MAIN

EQUIPMENT (CONT'D)

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>INSTALLED UNDER</u>
1	191-A JK. MTG., E/W:	300-H SPEC. 1E-1467 12-55
4	552-A KEYS POS. 2,4,6,8	
6	39-B APP. BLANKS POS. 1,3,5,7,9,10	
1	1-C DES. STRIP	
1	P-40B824 DESIG. CARD	
1	R-1818 RELAY	
1	R-1 RELAY COVER	
1	40 AM RES.	
1	U-1323 RELAY	
1	U-5 RELAY COVER	
1	437-A COND.	
1	MODEL 9956 WESTON RECT. D-89368	
1	18-BH RES.	
1	208-A TERM.	
1	18-CN RES.	
1	18-AC RES.	
1	19-CN RES.	
1	107-A RES. 15,000 OHMS	
1	107-A RES. 28,000 OHMS	
1	107-A RES. 30,000 OHMS	

TRAFFIC ORD. _____

SPEC. NO. 1E-8251-1, SEC. L, PAGE 10

DATE _____

OFFICE PASO ROBLES MAIN

EQUIPMENT (CONT'D)

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>INSTALLED UNDER</u>
1	107-A RES. 45,300 OHMS	300-H SPEC. 1E-1467 12-55
2	210-A TERM. STRIPS	
1	18-T RES.	
1	ALAAU KEY	
1	ALAAS KEY	
1	ALAAP KEY	
1	ALAAT KEY	
1	U-390 RELAY	
1	LIST G	306-H SPEC. 1E-6498 5-58
10	LIST H	
2	1-C DES. STRIPS	
10	285-C JACKS ON 191-A MTG. (1 STRIP)	
20	43-A LAMP SOCKETS ON 290-A MTG. (1 STRIP)	
10	69-A KEYS ON 235 MTG. (1 STRIP)	
1	238-A JACK (M.D.F. TEST POS. 6)	

							TRUNK LINK FR 00											TRUNK ASSIGNMENT CHART		PERIOD		
IAO TRK	INC TRK	REGISTER	OUT TRK	APPEARANCE	LEVEL	(TB) REL	SWITCH NUMBER															
							0	1	2	3	4	5	6	7	8	9						
		1		A	2	0	OR	→											PRCP			
				A	3	1	D116b	→									1D105	→	PRCS			
				A	4	2											X	1D95	PRCS			
				A	5	3	1G44	→	1G45	→	→	1G51	→	X	X		X		PRCS			
				A	6	4	1G43	→											PRCP			
				A	7	4	1A13	→											PRCS			
				A	8	5	1A13	→											PRCP			
				A	9	5	1A13	→											PRCS			
				A	9	5	1A13	→	X	X	1A11	→	→	X	A24	1A13			PRCP			
				B	9	-	1A13	→	→	X	X	1A11	→	→	X	A24			PRCP			
				B	8	-	1A13	→											PRCS			
				B	7	-	1A13	→											PRCP			
				B	6	-	1A13	→											PRCS			
				B	5	3	1A18	1E16	→	1E41	1A20	X	B61d	X	X	B112d			PRCP			
				B	4	2	B61d												PRCP			
				B	3	1	D115										X	X	PRCS			
				B	2	0						→	X	X	D116b	→			PRCS			
				B	2	0	B115d	X	X	B61d	→								PRCP			

TRAFFIC ORD. _____

DATE: _____

OFFICE: PASO ROBLES MAIN

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TRUNK ASSIGNMENT CHART

PERIOD

						TRUNK LINK FD 01											
						SWITCH NUMBER											
IAO TRK	INC TRK	REGISTER	OUT TRK	APPEARANCE	LEVEL	(TB) REL	0	1	2	3	4	5	6	7	8	9	
		↓		A	2	0	OR	→						→	1D105	→	PROP PRES
				A	3	1	D116b	→				→	X	1D109	1D95	1D95	PROP PRES PRES
				A	4	2	1G44	→	1G45	→	→	1G51	→	X	X	X	PROP PRES PRES
				A	5	3	1G43	→									PROP PRES PRES
				A	6	4	1A13	→									PROP PRES PRES
				A	7	4	1A13	→									PROP PRES PRES
				A	8	5	1A13	→								→	PROP PRES PRES
				A	9	5	1A13	→	→	X	1A11	→		→	X	1A13	PROP PRES PRES
				B	9	-	1A13	→		→	X	1A11	→		→	X	PROP PRES PRES
				B	8	-	1A13	→								→	PROP PRES PRES
				B	7	-	1A13	→								→	PROP PRES PRES
				B	6	-	1A13	→								→	PROP PRES PRES
				B	5	3	1A20	1E16	→	X	X	X	X	X	MTF	1E18	PROP PRES PRES
				B	4	2	B61d	→							→	X	PROP PRES PRES
				B	3	1	D115	→			→	X	X	X	D116b		PROP PRES PRES
				B	2	0	B115d	X	X	B61d	→						PROP PRES PRES

TRAFFIC ORD. _____

DATE: _____

OFFICE: PASO ROBLES MAIN

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TRUNK LINK FB 02													TRUNK ASSIGNMENT CHART				
IAO TRK	INC TRK	REGISTER	OUT TRK	APPEARANCE	LEVEL	(TB) REL	SWITCH NUMBER										
							0	1	2	3	4	5		6	7	8	9
		1		A	2	0	OR	→		→	X	X	X	X	1D105	→	FEOP FEES
				A	3	1	D116b	→				→	X	1D109	1D95	→	FEOP FEES
				A	4	2	1G44	→	1G45	→		→	1G51		X	X	FEOP FEES
				A	5	3	1G43	→									FEOP FEES
				A	6	4	1A13	→									FEOP FEES
				A	7	4	1A13	→									FEOP FEES
				A	8	5	1A13	→									FEOP FEES
				A	9	5	1A13	→	X	X	1A11	→	→	X	A24	1A13	FEOP FEES
				B	9	-	1A13	→	→	X	X	1A11	→		X	A24	FEOP FEES
				B	8	-	1A13	→									FEOP FEES
				B	7	-	1A13	→									FEOP FEES
				B	6	-	1A13	→									FEOP FEES
				B	5	3	1A18	1A20	1E41	1A20	X	X	X	1E23	1E18	B112d	FEOP FEES
				B	4	2	B61d	→							X	X	FEOP FEES
				B	3	1	D115	→				→	X	X	D116b	→	FEOP FEES
				B	2	0	B115d	X	B61d	→							FEOP FEES

PERIOD

OFFICE: PASO ROBLES MAIN

PERIOD

TRAFFIC ORD. -

SPEC. NO. 1E-8251-1 SEC. L, PAGE 14

DATE: _____

OFFICE: PASO ROBLES MAIN

[illegible]

DATE:

OFFICE: PASO ROBLES MAIN

INCOMING REGISTER LINK FRAME ASSIGNMENT CHART

INC. REG. GRP. LINK FR.	INC. REG. GRP.	TRUNK TYPE	TRUNKS PER TRUNK LINK FRAME																			
			00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19
00	DP - 0	#B61d	16	16	16																	
		B115d	1	1	1																	
		B112d	1	-	1																	
		1E18	-	1	1																	
		1E23	-	-	1																	
		TEST - MTF	-	1	-																	
				</																		

NOTE: *INDICATES TRKS. WHICH SHALL BE CABLED TO MDF TO PROVIDE FLEXIBILITY FOR POSSIBLE FUTURE REASSIGNMENT TO DIFFERENT TYPE OF INCOMING REGISTERS.

**INDICATES TRUNKS WHICH REQUIRE TWO APPEARANCES.

INCLUDES { 24 TSW-FLAT
22 INC. FROM SXS IT
1 CUSTOMER INSTRUCTION

NUMBER OF REGISTERS ASSIGNED TO INC. REG. GRP. DP-0 5

*You and Your Family and Friends
are Cordially Invited to Our
OPEN HOUSE*

*at the
Telephone Building
730 - 15th Street
Paso Robles*

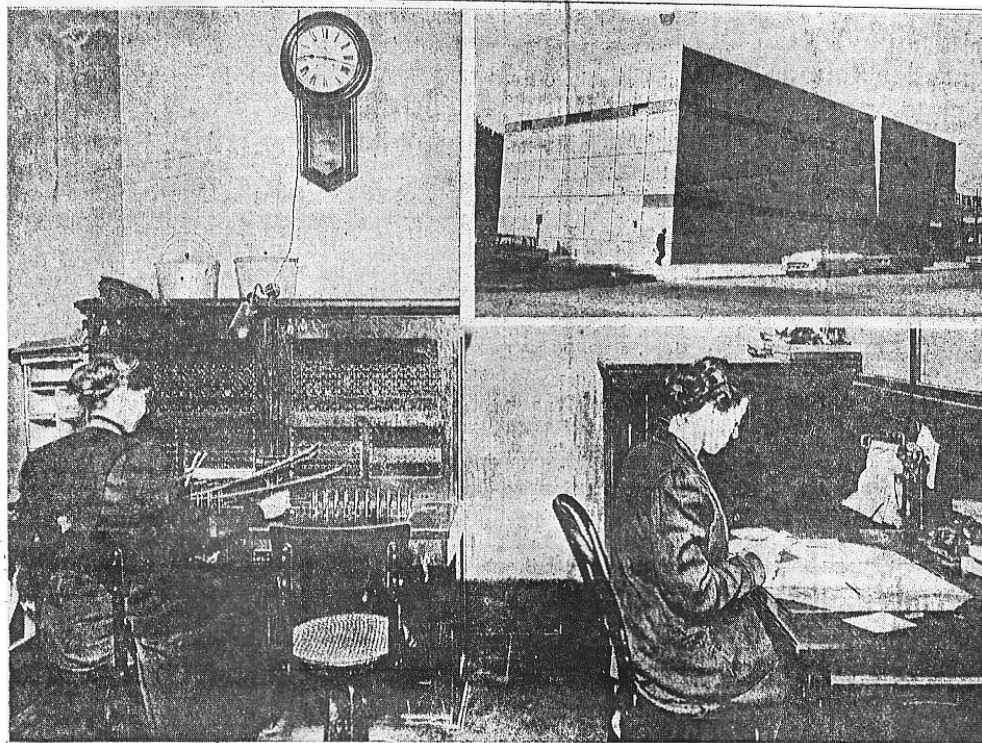
*Tuesday & Wednesday
September 22 & 23, 1964*

*Hours: 3:30 - 5:00 p.m.
7:00 - 9:00 p.m.*

*Guided Tours
Exhibits
Refreshments*

*See our new Direct Distance Dialing equipment
and other innovations*

P.S. Be sure to bring the children -- they'll love it!



SHORTLY AFTER TURN OF CENTURY, when country was humming "Hello Central, Give Me Heaven," the two switchboard operators above were giving Paso Robles local numbers. Seated at desk (right) is Mrs. Louella Taylor, whose telephone career started in 1909 and ended with her retirement in 1942. Operator seated at switchboard is unidentified. The Paso Robles Press will give a one-year subscription to any reader who can establish the identity of this pioneer operator. Inset is old photo (and looking like a picture of the future) is the new "Dial Office" on the southwest corner of 15th and Park Streets.

Paso Robles New \$1,400,000 Telephone Dialing System Goes Into Operation Sunday Morning

Operators Recall First Paso 'Board'

Although the new telephone dial system which comes into effect Sunday, August 7 at 12:01 a.m. appears to make telephone operators nearly as much a part of the past as pony express riders there will be a place for the girl on the switchboard of the new system.

Two former telephone operators clearly remember the early days of the Paso Robles telephone exchange in the early 1900's.

Mrs. Ada Exline Riley, of Sacramento (and formerly of Paso Robles), recalls when she first started to work for Pacific Telephone and Telegraph Company as an operator. "I'll never forget that day," she said upon visiting Paso Robles recently, "it was in April of 1906 and it was the morning of the San Francisco earthquake.

Mrs. Riley says she was one of the first operators to work at the Paso Robles exchange which had at that time "about 35 or 36 customers". She recalls that the central office was located at "old Janney and Keller Drug Store at 12th and Spring Streets, in a four by four foot space in a corner of the store." At that time there were no farmer lines to outlying ranches.

"My cousin, Claude Stockdale, and I had the 18-F line built from the old sulphur mud baths to the Exline place, now located on Highway 101. We each bought a telephone for \$12 and paid 25 cents a month dues for the service and \$3.20 a year pole rental.

(Continued on page 8)

At 12:01 a.m. Sunday morning, a brand new telephone service will come to Paso Robles subscribers, the dial system. The system will culminate about six years of planning and a conversion cost of nearly \$1,400,000, according to Pacific Telephone company's Paso Robles manager W. V. Williams.

The new phone numbers to work with the dial system will also go into effect with the changeover time. Williams said the new directory, which has been delivered to all local subscribers this week, will list the new numbers, and should be consulted before dialing.

The dial system will virtually connect every community in the county by telephone without going through the operator. San Miguel and Parkfield who are serviced by the San Miguel Telephone Company, an independent company, will also convert to the All Number Dialing system. The company formerly used a prefix of Homestead — HO — to its numbers.

It's Easy To Dial A Number

How will the dial on your new telephone work? It will take longer to explain that, than it would for the dial actually to put through a call. Thanks to the magic of modern electronics, here is what happens when you twist the dial:

If you wished to dial the number of the Paso Robles exchange of the Pacific Telephone Office, you would want to call 238-0911. When the caller lifts the receiver off the hook, a mechanism known as a "line finder" in the new dial office moves along a row of telephone terminals and stops at your phone line. That is when the steady hum is heard. The caller is then ready to dial the desired number.

As an example, the digit eight, if dialed, will send out an impulse of eight electrical impulses to the central control center. By dialing the full number such as 238-0911, the required number of impulses are sent to the other phone to ring the bell.

If the line is busy, the proper electrical contacts cannot be made and the busy signal is flashed to the caller.

A system of direct long-distance dialing is expected to be installed at some time in the future. At present, the person placing a long distance call dials "Operator."

Caution should be used in dialing numbers to make sure accuracy in the number is achieved, according to a telephone company spokesman. "It is very easy to misdial if you are not careful, although there is nothing complicated about using the dial," he said. The new telephone directory should also be referred to for the completely new numbers to be dialed. All Paso Robles numbers will start with the numbers 238, then four digits.

Changeover To Be Swift

Williams said the transfer to the dial system will take little time and be carried out with clockwork precision by the crews of Pacific Telephone. "As the zero hour approaches," he said, "any calls in progress will be interrupted by the operator who will ask the callers to hang up and call again after 12:01 a.m. explaining that the system is being converted to dial.

"Any emergency calls in progress will be completed, then when the switchboard is cleared, the signal will be given to telephone men in the present manual office to take the old equipment out of service. Heat coils will be pulled from the subscribers lines behind the switchboard — these are like fuses that protect the telephone equipment.

"Almost simultaneously, word will be flashed to technicians in the new dial office and they will pull blocking equipment which holds the dial system inactive. The new dial system will then come to life."

The modern dial system which will serve Paso Robles is the result of years of scientific research and industrial progress. The telephone itself was developed by Alexander Graham Bell — as most people know — 84 years ago as a result of his study to teach deaf mutes to speak. He conceived the idea of using electrical impulse to transmit speech.