PLACING, FASTENING AND ALIGNING SWITCHBOARD SECTIONS, DESKS AND ASSOCIATED PARTS VERIFICATION OUTLINE

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1. GENERAL

1.1 Scope of Section

1.11 This section contains the verification items for the equipment installed by the operations covered in Sections 30A, 30B, 30H and 30R.

1.12 Where practicable the essentials of the requirement are included in the verification item. Where this is not practicable a brief statement of the requirement appears as one or more subparagraphs of the verification item. In each case a reference is made to the complete requirement.

1.2 Verification of Inaccessible Equipment

1.21 Verification items marked (P) are so designated to denote that the equipment should be verified before it becomes inaccessible or before a portion of the work becomes indiscernible, due to additional installation operation. If a portion of the work is visible on the equipment that portion should be verified in the regular manner.

VERIFICATION ITEMS AND BRIEF STATEMENT OF REQUIREMENTS	Sec. No.	REFERENCE Par. No.	Fig. No.
2. INSTALLATION PROCEDURES - SWITCHBOARD SECTIONS, DESKS AND ASSOCIATED PARTS			
2.01 Location of Equipment			
2.011 Sections, desks and cabinets located in accordance with floor plan drawings furnished the job.	30A 30B 30R	5.1,5.2 4.1 5.1	
(P) 2.02 Fastening to Floor			
2.021 Number, location and type of fastenings correct.	30A 30B 30R	7 8.16, 8.208, 8.4,8.834 8.1	1to4,4A,4B 4,4A,4B
2.03 Use of Shims or Leveling Screws			
(P) 2.031 Leveling screws, where used, rest directly on surface of hard floors or steel plates.	30A	9.211, 9.221	
(P) 2.0311 Steel plates for leveling screws rest directly on concrete or wood floors.	30A 30B	9.211, 9.221 7.1	
(P) 2.0312 Steel plates for leveling screws of 23 Type Desks not requiring removal of floor covering.	30R	8.3	
(P) 2.032 Wood shims under section when installed on wooden floors.	30A	9.221, 9.311	
2.04 Vertical and Horizontal Alignment			
2.041 Switchboards and desks approximately level throughout line-up or as otherwise specified.	30A 30B 30R	11.31, 11.311 5.2 10.21	

VERIFICATION ITEMS AND BRIEF STATEMENT OF REQUIREMENTS	Sec. No.	REFERENCE Par. No.	Fig. No.
2.042 Horizontal parts approximately level.	30A 30B 30R	11.322 11.2(b) 10.112	
2.043 Upright parts approximately vertical.	30A 30B 30R	11.321 11.2(a) 10.111	
2.044 Other than horizontal or vertical parts at angle specified as far as practicable.	30A 30R	11.323 10.113	
2.0441 Adjacent desks aligned so that the surface of the sloping bookshelves are as nearly in alignment as practicable	30R	10.31	
2.045 No pronounced irregularities throughout a line-up.	30A 30B 30R	11.324 11.2(c) 10.114	
2.046 Not more than 1/32" variation in vertical (up and down) alignment of piling rails in adjacent panels.	30A 30B	11.325 11.2(d)	
2.047 No variation in horizontal (front to rear) alignment of piling rails and stile strips or casings in adjacent panels.	30A	11.326	
2.05 Woodwork			
2.051 Front of crown moulding at adjoining sections as nearly flush as practical or as otherwise specified.	30A 30B	16.141 11.2(e)	
2.052 Space at joints in crown mouldings as small as practical.	30A 30B	16.141 11.271	
2.053 Space between adjoining edges of adjacent keyshelves as small as practicable.	30A	16.142	
2.054 Variation in alignment between top surfaces of adjacent keyshelves not greater than one half normal projection of spacer above surface. Variation at front of keyshelf not over 1/16". Surface as nearly flush as practicable where spacers are not used.	30A 30B	16.143 8.207	
2.055 No bind in doors, drawers and removable panels.	30A 30B	16.144 14.081	
2.056 Finish of parts satisfactory.	70		
2.06 Cable Holes in Roofs of Sections and Desks			
2.061 Correct size.	30A	18.1, 18.2	
2.062 Closing details properly fitted.	30A	18.1, 18.2	
2.07 Stile Casings			
2.071 Spaces between bottom of stile casings and tops of plugshelves not greater than 1/32".	30A 30B	19.3 11.26	
2.072 Horizontal (front to rear) alignment within requirements.	30A	11.326	
2.073 Not grounded where insulating feature is provided.	30A	19.1, 23.1	
2.08 Number Plates and Spacers			
2.081 Vertical (up and down) alignment within plus or minus 1/16" of associated jack equipment groups.	30R	6.1	

VERIFICATION ITEMS AND BRIEF STATEMENT OF REQUIREMENTS	Sec. No.	REFERENCE Par. No.	Fig. No.
2.09 Framework and Apparatus Grounds			
2.091 Frameworks of all switchboards and desks grounded excepting PBX boards which obtain power from a central office over a cable pair.	30A	21.1, 21.12	
2.092 Each group of apparatus mounting plates grounded.	30A	22.1	
2.10 Non-Grounded Parts			
2.101 Exposed metal parts of keyshelves and in face of board not grounded.	30A	23.1	
2.102 Metal foot rails and brackets not grounded.	30A	23.2	
2.11 Wrapping Steel Uprights to Protect Skinners to Face Equipment			
2.111 Steel uprights at both ends of upper units wrapped with sheet fiber or friction tape in sections affected.	30A 30B	15.1 to 15.14 13.2	
2.1111 Protection extends entire length of uprights.	30A 30B	15.2 13.2	
2.1112 Friction tape, when used, applied with half lap and shellacked.	30A 30B	15.3 13.23	
2.1113 Sheet fiber, when used, properly fitted and tied in position.	30A 30B	15.2. 15.3 13.21	9 6
2.12 Bus Bars and Terminal Lugs			
2.121 Contact surfaces properly treated.	1B 30A 30B	 24.1 12.1	
2.13 Rolling Curtains			
2.131 Must meet following requirements:			
2.1311 Should not rise unaided from closed position.	30A	25.11	
2.1312 Should not drop unaided from any open position.	30A	25.12	
2.1313 Should not buckle or jam when raised or lowered.	30A	25.13	
2.1314 Rollers arranged so that pawls will not operate.	30A	25.14	
2.1315 Stops are properly located.	30A	25.2	
2.14 Bolts, Nuts and Screws			
2.141 Within following requirements:			
(P) 2.1411 Kind and size as specified and installed in all places requiring them.	1B		
2.1412 Free from stripped threads and defaced heads.	1B		
2.1413 Not burred.	1B		
(P) 2.1414 Sufficient thread engagement and properly tightened.	1B		
2.15 Exposed Sharp Edges			
2.151 Exposed sharp edges or corners removed or rounded.	30R	9.5	

Manager, Product Engineering

Reason for Reissue:
To remove reference to Section 30S which was cancelled.

Replaces Section 30V dated 5-16-63.