

FASTENING FRAMES
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 20A, 20A1, 20A2, 20A3, 20B1, 20B2 and 20C.

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 installing operations. 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	REFERENCE		
	Sec.No.	Par.No.	Fig.No.

2. FASTENING FRAMES - GENERAL

2.1 <u>Frame Junctions</u>			
2.11 Junctions made as shown on equipment drawing.	20A	6.11	
2.2 <u>Miscellaneous</u>			
2.21 Space between base of frame and floor filled where required.	20A	4.1 to 4.3	

3. FASTENING FRAMES - TOP OF FRAME - BULB ANGLE-TYPE

3.1 <u>Top Fastenings</u>			
3.11 Where obstructions exist.	20A1	2.1	5B
3.12 Frames fastened correctly to 11'-8" framing.	20A1	2.4	12A, 12G
3.13 Frames that extend more than 2'-6" beyond last framing bars or channels attached to cable rack.	20A1	3.1	15A, 62L, 62M
3.14 Short framing bar on channels cut so that ends are approximately flush with edge of clips.	20A1	3.12	15A
3.15 Where framing is at 11' - 7-1/2" height frames supported correctly.	20A1	2.31	
3.16 Where framing is at 11' - 9-1/2" height frames supported correctly.	20A1	2.31, 2.32	12D, 12G

4. FASTENING FRAMES - TOP OF FRAMES - SHEET METAL BOX TYPE

4.1 <u>Top Fastenings</u>			
4.11 Frames properly attached to auxiliary framing	20A2	2.1	6G
4.12 Frames that extend more than 2'-6" beyond last framing bars or channels attached to cable rack.	20A2	3.1, 3.11	16B, 16C

VERIFICATION ITEMS AND BRIEF STATEMENT OF REQUIREMENTS	REFERENCE		
	Sec.No.	Par.No.	Fig.No.
5. FASTENING FRAMES - TOP OF FRAMES - ANGLE AND CHANNEL TYPE			
5.1 Top Fastening			
5.11 Frames properly attached to auxiliary framing.	20A3	2.1 to 2.22 4.41	60 to 62 incl. 7B and 7D
5.12 Frames that extend more than 2'-6" beyond last framing bars or channels attached to cable rack.	20A3	3.1	14,15, 62K,63B, 63C
6. FASTENING FRAMES - BOTTOM OF FRAME			
6.1 Floor Fastenings			
6.11 Number and Location of floor fastenings correct.	20B1	5.11 to 5.64	
6.12 Frames located in accordance with floor plan drawing.	20B1	3.1	
7. FASTENING FRAMES - BOTTOM OF FRAMES - USING BOLTS SET IN EPOXY CEMENT			
7.1 Floor Bolts			
(P) 7.11 Floor properly prepared.	20B2	5.1	
(P) 7.12 Proper proportions used in mixing epoxy concrete.	20B2	5.25	
(P) 7.13 Bolts erect while epoxy concrete dries.	20B2	6.41,	
7.14 Anchor plate bolts properly tightened.	20B2	6.43	
8. FASTENING FRAMES - JUNCTIONING			
8.1 Junctioning of Frames			
8.11 Tops of adjacent frames junctioned.	20C	3.1	12B
8.12 Adjacent uprights bolted together.	20C	3.12	7
8.13 Where adjacent uprights are offset slightly, upright bolted together.	20C	3.31	
8.14 Where adjacent uprights cannot be bolted together frame properly supported	20C	3.2	

→ Arrowed lines indicate new
or changed information.

Manager, Engineering Planning

Reason for Reissue:
To add Figure 12D & 12G in Paragraph 3.12
and Paragraph 3.16.