

1948

Literature search on rigid connections - chart of types, 1948

J. M. Ruzek

L. S. Beedle

Follow this and additional works at: <http://preserve.lehigh.edu/engr-civil-environmental-fritz-lab-reports>

Recommended Citation

Ruzek, J. M. and Beedle, L. S., "Literature search on rigid connections - chart of types, 1948" (1948). *Fritz Laboratory Reports*. Paper 1400.

<http://preserve.lehigh.edu/engr-civil-environmental-fritz-lab-reports/1400>

This Technical Report is brought to you for free and open access by the Civil and Environmental Engineering at Lehigh Preserve. It has been accepted for inclusion in Fritz Laboratory Reports by an authorized administrator of Lehigh Preserve. For more information, please contact preserve@lehigh.edu.

T. CORNER CONNECTION.
(SINGLE BENT)

RIGID CONNECTIONS.

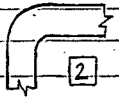
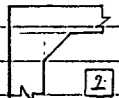
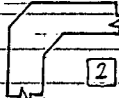
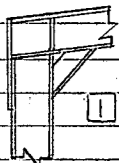
□ SEE NOTES.
○ SEE REFERENCE
◇ SEE CALCULATIONS

	TYPE OF CONNECTION	RIVETED OR WELDED	TEST CONDUCTED	DESIGN PROCEDURE	EXAMPLE OF USE	RELATIVE RIGIDITY	STRENGTH	ECONOMY.	FATIGUE									
1.		W	①			①	①◇	③										
2.		W	①		②	①	①◇	③										
3.		W	① ⑬			①⑬	①◇	③										
4.																		
5.																		
6.		R, W	③ ④ ⑬ ⑩	⑫ ⑩	⑪	⑤ ⑩	④ ⑦											
7.		W	① ⑬			①⑬	①◇	③										
8.																		
9.		W	①			①	①◇	③										
10.		R, W	⑦ ⑧ ④ ⑬ ⑩	⑫ ⑩	④ ⑨	⑤ ⑥ ⑩	④	⑥										

Ia

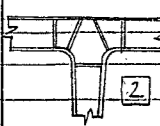
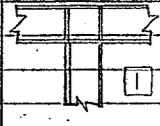
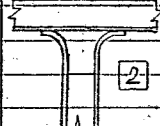
I. CORNER CONNECTIONS (SINGLE BENT)

RIGID CONNECTIONS

	TYPE OF CONNECTION	RIVETED OR WELDED	TEST CONDUCTED	DESIGN PROCEDURE	EXAMPLE OF USE	RELATIVE RIGIDITY	STRENGTH	ECONOMY	FATIGUE									
11.		R, W	(13)		(1)													
12.			(13)															
13.			(13)															
14.		W			(2)													

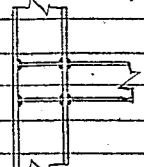
II. INTERIOR COLUMN CONTINUOUS BEAM.

RIGID CONNECTIONS

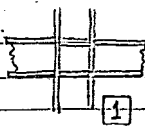
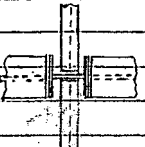
	TYPE OF CONNECTION	RIVETED OR WELDED	TEST CONDUCTED	DESIGN PROCEDURE	EXAMPLE OF USE	RELATIVE RIGIDITY	STRENGTH	ECONOMY	FATIGUE										
1.		R	⑥			①													
2.		W				②													
3.		W	⑥																

III. EDGE COLUMN
COLUMN CONTINUOUS

RIGID CONNECTIONS

TYPE OF CONNECTION	RIVETED OR WELDED	TEST CONDUCTED	DESIGN PROCEDURE	EXAMPLE OF USE	RELATIVE RIGIDITY	STRENGTH	ECONOMY	FATIGUE											
1. 	W	⑤		⑨	⑤	⑤													

IV INTERIOR COLUMN, COLUMN CONTINUOUS
(INCLUDING 4-WAY BEAM-TO-COLUMN CONNECTION)

TYPE OF CONNECTION	RIVETED OR WELDED	TEST CONDUCTED	DESIGN PROCEDURE	EXAMPLE OF USE	RIGIDITY	STRENGTH	ECONOMY	FATIGUE											
1. 	RW	⑮		⑨ ¹⁹	⑮														
2. 	W			⑨ ¹⁹	⑨														

