

Design No. Y613
BXUV.Y613
Fire-resistance Ratings - ANSI/UL 263

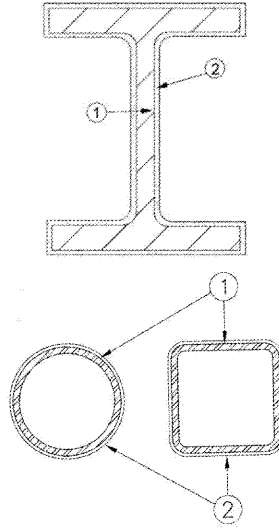
Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Listed or Classified products, equipment, system, devices, and materials.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The design submitter cannot address every construction nuance encountered in the field. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered as Classified, Listed, or Recognized.

BXUV - Fire Resistance Ratings - ANSI/UL 263
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. Y613
 Ratings — 1, 1 1/2, 2, 3, 4 and 4 1/2 hr. (See Item 3)

* Indicates each product shall bear the UL or ULC Certification Mark for jurisdictions employing the UL or ULC Certification (such as Canada), respectively.



1. **Steel Column, Steel Pipe or Steel Tube** — Wall: Range 1-14 in. (See Item 3). The column shall be fabricated from 25 MSK corrosion-protected steel, min. width to accommodate stud size, with min 1 in. long legs, attached to flange and ceiling with fasteners 24 in. OC, max.

2. **Steel and Reinforcement Channels** — (Optional) — (Not shown) — Formed of 25 MSK corrosion-protected steel, min. width to accommodate stud size, with min 1 in. long legs, attached to flange and ceiling with fasteners 24 in. OC, max.

FOR WIDE FLANGES

Steel	Wt/ft	W	D	t	1 1/2 hr	2 hr	3 hr	4 hr	4 1/2 hr
ASTM A36	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A572 Gr. 50	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A588	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A590	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A595	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A598	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A599	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A601	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A606	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A607	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A633	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A634	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A635	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A636	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A637	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A638	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A639	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A640	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A641	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A642	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A643	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A644	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A645	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A646	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A647	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A648	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A649	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A650	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A651	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A652	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A653	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A654	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A655	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A656	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A657	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A658	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A659	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A660	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A661	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A662	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A663	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A664	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A665	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A666	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A667	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A668	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A669	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A670	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A671	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A672	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A673	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A674	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A675	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A676	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A677	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A678	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A679	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A680	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A681	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A682	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A683	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A684	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A685	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A686	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A687	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A688	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A689	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A690	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A691	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A692	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A693	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A694	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A695	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A696	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A697	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A698	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A699	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A700	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42

FOR STEEL PIPE

Steel	Wt/ft	W	D	t	1 1/2 hr	2 hr	3 hr	4 hr	4 1/2 hr
ASTM A36	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A572 Gr. 50	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A588	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A590	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A595	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A598	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A599	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A601	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A606	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A607	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A633	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A634	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A635	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A636	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A637	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A638	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A639	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A640	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A641	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A642	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A643	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A644	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A645	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A646	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A647	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A648	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A649	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A650	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A651	2.33	12	12	1/2	1.18	1.24	1.30	1.36	1.42
ASTM A652	2.33	12	12	1/2					