

# UL Designs & Thickness — Roof Assemblies

Submittal Generator

UL Design Selector

[Click here for Floor Assemblies and Columns](#)

[UNRESTRAINED BEAM THICKNESS TABLES](#)

[RESTRAINED BEAM THICKNESS TABLES](#)

Protection	Description	UL Link	UL PDF	CAD Drawing	All	MK6GF	Z106HY	All	MK6GF	Z106HY
Protected Roof/Ceiling	Polystyrene Board (IRMA System)	UL P714	PDF	DWG	P714 Unres All	P714 Unres MK6GF	P714 Unres Z106HY	NA	NA	NA
	Polystyrene Board	UL P725	PDF	DWG	P725 Unres All	P725 Unres MK6GF	P725 Unres Z106HY	NA	NA	NA
	Polyisocyanurate Board	UL P732	PDF	DWG	P732 Unres All	P732 Unres MK6GF	P732 Unres Z106HY	NA	NA	NA
	Polyurethane Foamed Plastic	UL P733	PDF	DWG	P733 Unres All	P733 Unres MK6GF	P733 Unres Z106HY	NA	NA	NA
	Mineral and Fiber Board	UL P740	NA	NA	P740 Unres All	P740 Unres MK6GF	P740 Unres Z106HY	NA	NA	NA

Beam Protection	Substitution
Beam Protected Roof Substitution	

	Beam Supporting Fluted Decking	UL S734	PDF	DWG	S734 Unres All	S734 Unres MK6GF	S734 Unres Z106HY	S734 Res All	S734 Res MK6GF	S734 Res Z106HY
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	Joist Only Design for Roof Assemblies	UL S728	PDF	DWG	NA	NA	NA	NA	NA	NA
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<i>Non-Load Restricted</i>	Joist Only Design for Roof Assemblies	UL S749	PDF	NA	NA	NA	NA	NA	NA	NA
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<i>Non-Load Restricted</i>	Beam Only Design for Roof Assemblies	UL S750	PDF	NA	S750 Unres All	S750 Unres MK6GF	S750 Unres Z106HY	S750 Res All	S750 Res MK6GF	S750 Res Z106HY
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Unprotected Roof/Ceiling

	Insulating Concrete	UL P936	PDF	DWG	P936 Unres All	P936 Unres MK6GF	P936 Unres Z106HY	NA	NA	NA
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Beam Unprotected Roof Substitution

	Beam Supporting Fluted Decking	UL S735	PDF	DWG	S735 Unres All	S735 Unres MK6GF	S735 Unres Z106HY	S735 Res All	S735 Res MK6GF	S735 Res Z106HY
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[Click Here for explanation of Future Floors](#)

Tube & Pipe Columns

<i>Non-Load Restricted</i>	Square	UL Y710	PDF	DWG	Y710 All	Y710 MK6GF	Y710 Z106HY	NA	NA	NA
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<i>Non-Load Restricted</i>	Rectangle	UL Y710	PDF	DWG	Y710 All	Y710 MK6GF	Y710 Z106HY	NA	NA	NA
<i>Non-Load Restricted</i>	Round	UL Y710	PDF	DWG	Y710 All	Y710 MK6GF	Y710 Z106HY	NA	NA	NA
<i>Non-Load Restricted</i>	Square - High Durability Only	UL X795	PDF	DWG	X795 All	NA	NA	NA	NA	NA
<i>Non-Load Restricted</i>	Rectangle - High Durability Only	UL X795	PDF	DWG	X795 All	NA	NA	NA	NA	NA
<i>Non-Load Restricted</i>	Round - High Durability Only	UL X795	PDF	DWG	X795 All	NA	NA	NA	NA	NA

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