

UL Designs & Thickness — Floor Assemblies

Submittal Generator

UL Design Selector

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

CATEGORY	DESCRIPTION	UL DESIGN LINK	UL PDF	CAD DRAWING	UNRESTRAINED THICKNESS TABLE	RESTRAINED THICKNESS TABLE
Unprotected Floor/Ceiling						
	Cellular	D925	UL PDF	DWG	D925	N708
	NWC Fluted	D925	UL PDF	DWG	N852	N852
	LWC Fluted	D925	UL PDF	DWG	N782	N852
<i>Non-Load Restricted</i>	2-1/2" NWC, Fluted	D985	UL PDF	DWG	N782	N852
<i>Non-Load Restricted</i>	2-1/2" LWC, Fluted	D985	UL PDF	DWG	N782	N852
<i>Non-Load Restricted</i>	4-1/2" NWC 2HR only, Fluted	D985	UL PDF	DWG	N852 4 1/2" table	N852 4 1/2" table
Unprotected Future Floor/Ceiling						
	NWC, Fluted/Cellular	D925	UL PDF	DWG	D925 FF NWC	D925 FF NWC
	LWC, Fluted/Cellular	D925	UL PDF	DWG	D925 FF LWC	D925 FF LWC
Beam/Unprotected Floor Substitution						
	Cellular	N708	UL PDF	DWG	N708 Cellular Un	N708 Cellular Re
<i>Non-Load Restricted</i>	NWC, Fluted	N852	UL PDF	DWG	N852	N852
<i>Non-Load Restricted</i>	4-1/2" NWC 2HR only, Fluted	N852	UL PDF	DWG	N852 4 1/2" table	N852 4 1/2" table

<i>Non-Load Restricted</i>	LWC, Fluted	N852	UL PDF	DWG	N852	N852
	NWC, Fluted	N782	UL PDF	DWG	N782	N782
	LWC, Fluted	N782	UL PDF	DWG	N782	N782
	Castellated Beam	N784	UL PDF	NA	N784	N784
	Joist Substitution	N854	UL PDF	DWG	Refer to Design	Refer to Design
<i>Non-Load Restricted</i>	Joist Substitution	N854	UL PDF	DWG	Refer to Design	Refer to Design
<i>Non-Load Restricted</i>	Tube Steel (HSS)	GCP/CF 194-01	PDF	NA	Refer to Design	Refer to Design
Protected Floor/Ceiling						
	2 1/2" NWC/LWC, Fluted/Cellular	D739	UL PDF	DWG	D739	N782
	2" NWC/LWC, Fluted/Cellular	D743	UL PDF	DWG	D743	S750
	2 1/2" LWC, Fluted	D779	UL PDF	DWG	N782	N782
	2 1/2" NWC, Fluted	D779	UL PDF	DWG	N782 NWC Un	N782
	Corrugated Deck	D780	UL PDF	DWG	D780	S750
	3 1/4" LWC, Fluted	D782	UL PDF	DWG	N782 un	N782 Re
	4 1/2" NWC, Fluted	D782	UL PDF	DWG	N852 4 1/2" table	N852 4 1/2" table
<i>Non-Load Restricted</i>	2-1/2" NWC, Fluted	D798	UL PDF	DWG	N852 LWC Un	N852
<i>Non-Load Restricted</i>	2-1/2" LWC, Fluted	D798	UL PDF	DWG	N852	N852
Beam Protected Floor Substitution						
	Beam Supporting Cellular Deck NWC	N706	UL PDF	NA	N706	N706

	Beam Supporting Cellular Deck LWC	N706	UL PDF	NA	N706	N706
	Beam Supporting Fluted Deck	N782	UL PDF	DWG	N782 un	N782 Re
<i>Non-Load Restricted</i>	Beam Supporting Fluted Deck	N852	UL PDF	DWG	N852	N852
	Joist Substitution	N854	UL PDF	DWG	Refer to Design	Refer to Design
<i>Non-Load Restricted</i>	Tube Steel (HSS)	GCP/CF 194-01	PDF	NA	Refer to Design	Refer to Design
Concrete Decks						
	Concrete Slab with Concrete Beam Support	J701	UL PDF	NA	Refer to Design	Refer to Design
	NWC Slab with Beam Support	J709	UL PDF	DWG	N852	N852
	NWC Slab with Beam Support	J712	UL PDF	DWG	N782	N782
	Concrete Hollow Core Slab with Beam Support	J957	UL PDF	DWG	J957	S735**
	Tube Steel (HSS)	GCP/CF 194-01	PDF	NA	Refer to Design	Refer to Design

*Per UL N or S series design may be substituted for beams in D and J series designs

** Final Design is dependent on overall concrete thickness

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