Index 21300 Standard Bar Bending Details

Design Criteria

AASHTO LRFD Bridge Design Specifications, 6th Edition; ***Structures Detailing Manual (SDM)***; ***ACI 318 Building Code Requirements for Structural Concrete and Commentary***

Design Assumptions and Limitations

Index 21300 includes commonly used types, shapes and configurations of straight and bent reinforcing steel bars. This standard works with the REINFORCING BAR LIST that must be completed and included in the plans for cast-in-place concrete components where the reinforcing steel within the component is not considered incidental to the cost of the component.

Plan Content Requirements

Complete and include in the plans the REINFORCING BAR LIST. Do not include reinforcing steel for drilled shafts, auger cast piles and standard traffic and pedestrian railings, and all precast components, e.g. prestressed concrete piles and beams, MSE wall copings and precast sound barrier posts and panels. For additional information and guidance see the ***Specifications***, ***Design Standards*** and/or ***Instructions for Design Standards*** for a given component.

The REINFORCING BAR LIST may be completed using the Rebar Application provided with the FDOT CADD Bar Menu (preferred method) or it may be prepared by other manual, automated or combination methods. See ***SDM*** 4.3 for reinforcing bar detailing procedures.

Include a reference to Design Standard 21300 on the REINFORCING BAR LIST sheets.

MARK		LENGTH		NO	TYP	STY		B			C			D			E			F			H			J			K			N	Φ
SIZE	DES	FT	IN	BARS	BAR	A	G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	NO	ANG

Payment

Item number	Item description	Unit Measure
415-1-A	Reinforcing Steel	LB