



Beam Design Summary

RAM Concrete Beam v15.05.00.41
 Max Karr
 Database: 180614_DAM Apartments
 Building Code: IBC

06/19/18 15:17:03
 Concrete Code: ACI 318-11

Story Level: Level 2 Beam Line: 6 (Check Design Warnings)

SUPPORT GEOMETRY:

Index	Grid Loc.	Loc. (ft)	Type	Length (in)	Width (in)	Depth (in)
1		0.00	Wall	12.00	NA	NA
2	(I.7-5)	25.37	Beam	30.00	NA	24.00
3	(M-5)	47.30	Beam	30.00	NA	24.00
4	(R-5)	67.79	Beam	30.00	NA	24.00
5	(136.33ft-56.42ft)	93.83	Beam	24.00	NA	24.00

BEAM GEOMETRY:

Index	Span (ft)	Section	Depth (in)	Web Width (in)	Flange Width (in)	Minimum SlabThick. (in)
1	25.37	24"x40"	40.00	24.00	NA	NA
2	21.93	24"x40"	40.00	24.00	NA	NA
3	20.49	24"x40"	40.00	24.00	NA	NA
4	26.04	24"x40"	40.00	24.00	NA	NA

TOP LONGITUDINAL REINFORCEMENT:

Set	Size	Num	Depth (in)	Layer	Start Supp.	Loc. (ft)	End Supp.	Loc. (ft)	End-Condition Start	End
1	#6	4	28.000	Upper	2	-25.375	2	-0.042	Hooked	Splice
2	#4	2	28.000	Lower	2	-25.375	2	-0.042	Hooked	Splice
3	#6	4	28.000	Upper	3	-21.970	3	0.030	Splice	Splice
4	#4	2	28.000	Lower	3	-21.970	3	0.030	Splice	Splice
5	#6	4	28.000	Upper	4	-20.458	4	-0.042	Splice	Splice
6	#4	2	28.000	Lower	4	-20.458	4	-0.042	Splice	Splice
7	#6	4	28.000	Upper	5	-26.000	5	0.000	Splice	Hooked
8	#4	2	28.000	Lower	5	-26.000	5	0.000	Splice	Hooked

BOTTOM LONGITUDINAL REINFORCEMENT:

Set	Size	Num	Depth (in)	Layer	Start Supp.	Loc. (ft)	End Supp.	Loc. (ft)	End-Condition Start	End
1	#8	6	37.500	Lower	1	0.000	1	25.333	Hooked	Splice
2	#4	2	37.500	Upper	1	0.000	1	25.333	Hooked	Splice
3	#8	6	37.500	Lower	2	-0.042	2	21.958	Splice	Splice
4	#4	2	37.500	Upper	2	-0.042	2	21.958	Splice	Splice
5	#8	6	37.500	Lower	3	0.030	3	20.447	Splice	Splice
6	#4	2	37.500	Upper	3	0.030	3	20.447	Splice	Splice
7	#8	6	37.500	Lower	4	0.042	4	26.042	Splice	Hooked
8	#4	2	37.500	Upper	4	0.042	4	26.042	Splice	Hooked