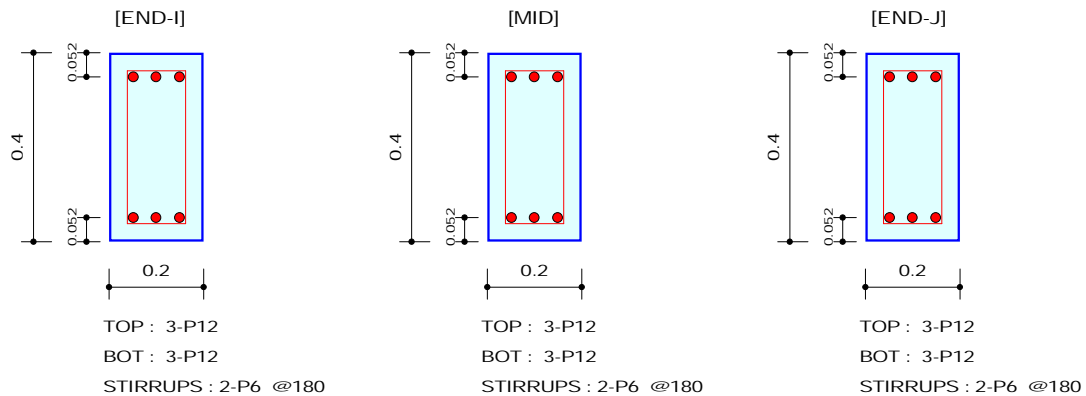
	Company		Project Title	
	Author		File Name	D:\...\MidasCal81_100_V8.mgb

## 1. Design Information

Design Code : ACI318-11  
 Material Data :  $f_c = 1.5e+006$ ,  $f_y = 4e+007$ ,  $f_{ys} = 2.4e+007$  kgf/m<sup>2</sup>  
 Section Property : GB2 (No : 3)

Unit System : kgf, m  
 Beam Span : 10 m

## 2. Section Diagram



## 3. Bending Moment Capacity

	END-I	MID	END-J
(-) Load Combination No.	3	9	7
Moment (Mu)	1750.43	1509.81	1712.46
Factored Strength ( $\phi M_n$ )	3463.56	3463.56	3463.56
Check Ratio ( $M_u/\phi M_n$ )	0.5054	0.4359	0.4944
(+) Load Combination No.	1	1	1
Moment (Mu)	946.23	1051.20	946.00
Factored Strength ( $\phi M_n$ )	3463.56	3463.56	3463.56
Check Ratio ( $M_u/\phi M_n$ )	0.2732	0.3035	0.2731
Using Rebar Top ( $A_{s\_top}$ )	0.0003	0.0003	0.0003
Using Rebar Bot ( $A_{s\_bot}$ )	0.0003	0.0003	0.0003

## 4. Shear Capacity

	END-I	MID	END-J
Load Combination No.	3	3	7
Factored Shear Force ( $V_u$ )	2695.90	1795.90	2693.16
Shear Strength by Conc. ( $\phi V_c$ )	3164.33	3164.33	3164.33
Shear Strength by Rebar. ( $\phi V_s$ )	1836.42	1836.42	1836.42
Using Shear Reinf. ( $A_{sV}$ )	0.0003	0.0003	0.0003
Using Stirrups Spacing	2-P6 @180	2-P6 @180	2-P6 @180
Check Ratio	0.5391	0.3591	0.5386