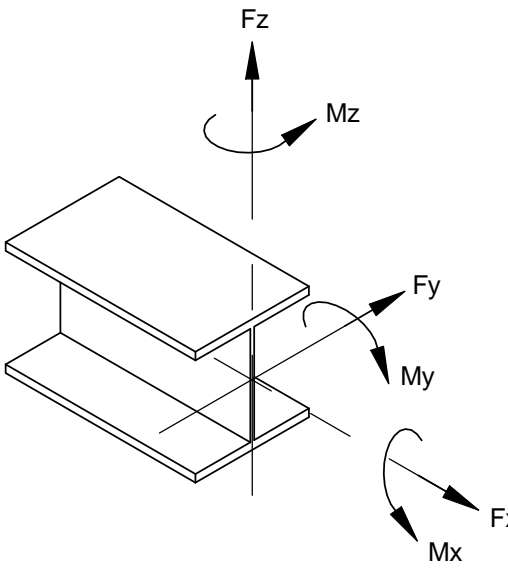






INDEX DRAWING 000009

DESIGN FORCS FOR CONNECTIONS (ASD)							
CONNECTION MARK	AXIAL FORCES Fx (kN)		FORCE, Fy (kN)	FORCE, Fz (kN)	TORSION, Mx (kNm)	MOMENT ABOUT Y-AXIS, Myy (kNm)	MOMENT ABOUT Z-AXIS, Mzz (kNm)
	COMPRESSION (kN)	TENSION (kN)					
A	45	15	+/-40	+/-15	0	+/-25	+/-45
B	35	25	+/-20	+/-15	0	+/-25	+/-25
C	70	85	+/-20	+/-35	0	+/-45	+/-30
D	35	30	+/-15	+/-30	0	+/-45	+/-20
E	40	40	0	+/-10	0	0	0
F	15	35	+/-25	+/-25	0	+/-20	+/-25
H	0	160	+/-10	+/-30	0	0	0
J	40	40	0	+/-10	0	0	0
K	70	55	+/-20	+/-10	0	+/-15	+/-25
L	0	0	+/-25	+/-15	0	0	0

**CONNECTION DESIGN FORCES
SUBJECTED TO THE FINAL
COORDINATION OF PSD LOADS
FROM EAST**

[illegible]

<div>PROJECT</div> <div></div> <div>CLIENT</div> <div></div> <div>المملكة العربية السعودية لتطوير مدينة الرياض</div> <div>© 2015 High Commission for the Development of ArRiyadh</div>	<div>BACS CONSORTIUM</div> <div></div> <div>www.bacsrmp.com</div>		<div>BACS APPROVAL</div> <div></div> <div>This drawing has been Approved and Certified as acceptable on behalf of the BACS Consortium.</div>		<div>SCALE</div> <div>As indicated</div>	<div>PAPER SIZE</div> <div>A1</div>	<div>DRAWING TITLE</div> <div>DEEP UNDERGROUND STATION LINE 1 - TRANSFER STATION 1F4 STRUCTURE LINE 5 PSD STRUCTURES CONNECTION FORCES</div>	
	<div>DRAWING STATUS</div> <div>ISSUED FOR CONSTRUCTION</div>				<div>CONSULTANT / SUB-CONTRACTOR</div> <div>ARUP</div>		<div>DRAWING NUMBER</div> <div>M-BAR-1F4TS0-CB00-EDR-200009</div> <div>REVISION</div> <div>001</div>	
	<div>LEAD DESIGN ENTITY (LDE)</div>		<div>APPROVED BY LDE</div> <div>NAME</div> <div>DATE</div>	<div>DRAWN BY</div> <div>NAME G.BROGIOLO</div> <div>DATE 09/02/2018</div>				