



ATD DESIGNS LTD
attention to detail

Client:	SAMPLE CONSTRUCTION	Job No:	B01388
Project:	Sample Project Frames 2 & 3		
Detailer:	D.Care	Date:	14-APR-19

Assemblies				Connection Components				
1	-	Beam	marked	B1				
Connected to				B8	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel	
1	-	Beam	marked	B1				
Connected to				B18	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel	
1	-	Beam	marked	B1				
Connected to				B18	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel	
5	-	Beam	marked	B1				
Connected to				B8	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel	
1	-	Beam	marked	B12				
Connected to				B9	with	4 - Bolt 16 8.8 35	4 - Nut 16 GR8 4 - Washer 16 Steel	
Connected to				B9	with	4 - Bolt 16 8.8 35	4 - Nut 16 GR8 4 - Washer 16 Steel	
1	-	Beam	marked	B13				
Connected to				B19	with	4 - Bolt 16 8.8 50	4 - Nut 16 GR8 4 - Washer 16 Steel	
Connected to				B20	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel	
1	-	Beam	marked	B14				
Connected to				B3	with	4 - Bolt 16 8.8 50	4 - Nut 16 GR8 4 - Washer 16 Steel	
Connected to				B1	with	4 - Bolt 16 8.8 40	8 - Washer 16 Steel 4 - Nut 16 GR8	
Connected to				B1	with	4 - Bolt 16 8.8 40	8 - Washer 16 Steel 4 - Nut 16 GR8	

Assemblies			Connection Components		
1	-	Beam marked B15			
		Connected to C2, B7, C1	with	3 - Bolt 20 8.8 55	3 - Nut 20 GR8 3 - Washer 20 Steel
		Connected to B7, C2	with	3 - Bolt 20 8.8 55	3 - Nut 20 GR8 3 - Washer 20 Steel
1	-	Beam marked B16			
		Connected to B11	with	6 - Bolt 20 8.8 40	6 - Nut 20 GR8 6 - Washer 20 Steel
		Connected to B11	with	6 - Bolt 20 8.8 50	6 - Nut 20 GR8 6 - Washer 20 Steel
1	-	Beam marked B17			
		Connected to C4	with	6 - Bolt 20 8.8 45	6 - Nut 20 GR8 6 - Washer 20 Steel
		Connected to C3	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
		Connected to B9, C5	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel
		Connected to B9, C5	with	1 - Bolt 20 8.8 45	1 - Nut 20 GR8 1 - Washer 20 Steel
		Connected to C5	with	1 - Bolt 20 8.8 45	1 - Nut 20 GR8 1 - Washer 20 Steel
1	-	Beam marked B18			
		Connected to C1, B8, C2	with	6 - Bolt 20 8.8 55	6 - Nut 20 GR8 6 - Washer 20 Steel
1	-	Beam marked B19			
		Connected to B11, C6	with	6 - Bolt 20 8.8 55	6 - Nut 20 GR8 6 - Washer 20 Steel
1	-	Beam marked B2			
		Connected to B7	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
1	-	Beam marked B2			
		Connected to B15	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
1	-	Beam marked B2			
		Connected to B15	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
1	-	Beam marked B2			
		Connected to B8	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel

Assemblies				Connection Components		
1	-	Beam	marked B2			
		Connected to	B18	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel
1	-	Beam	marked B2			
		Connected to	B18	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel
5	-	Beam	marked B2			
		Connected to	B7	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
		Connected to	B8	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel
1	-	Beam	marked B20			
		Connected to	B11, C4	with	6 - Bolt 20 8.8 55	6 - Nut 20 GR8 6 - Washer 20 Steel
1	-	Beam	marked B22			
		Connected to	B9, C7	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel
		Connected to	C3	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
		Connected to	C7	with	2 - Bolt 20 8.8 45	2 - Nut 20 GR8 2 - Washer 20 Steel
		Connected to	C6	with	6 - Bolt 20 8.8 45	6 - Nut 20 GR8 6 - Washer 20 Steel
1	-	Beam	marked B5			
		Connected to	B17	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
1	-	Beam	marked B5			
		Connected to	B17	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
1	-	Beam	marked B5			
		Connected to	B22	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
1	-	Beam	marked B5			
		Connected to	B17	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
1	-	Beam	marked B5			
		Connected to	B22	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel

Assemblies				Connection Components			
1	-	Beam	marked	B5			
		Connected to	B22	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel	
1	-	Beam	marked	B6			
		Connected to	B1	with	4 - Bolt 16 8.8 40	8 - Washer 16 Steel	4 - Nut 16 GR8
3	-	Beam	marked	B6			
		Connected to	B3	with	4 - Bolt 16 8.8 50	4 - Nut 16 GR8 4 - Washer 16 Steel	
5	-	Beam	marked	B6			
		Connected to	B1	with	4 - Bolt 16 8.8 40	8 - Washer 16 Steel	4 - Nut 16 GR8
1	-	Beam	marked	B7			
		Connected to	C2	with	6 - Bolt 20 8.8 45	6 - Nut 20 GR8 6 - Washer 20 Steel	
1	-	Beam	marked	B7			
		Connected to	B7, C2	with	4 - Bolt 20 8.8 55	4 - Nut 20 GR8 4 - Washer 20 Steel	
2	-	Beam	marked	B7			
		Connected to	C2, B7, C1	with	6 - Bolt 20 8.8 55	6 - Nut 20 GR8 6 - Washer 20 Steel	
1	-	Beam	marked	B8			
		Connected to	C1	with	6 - Bolt 20 8.8 45	6 - Nut 20 GR8 6 - Washer 20 Steel	
2	-	Beam	marked	B8			
		Connected to	C1, B8, C2	with	6 - Bolt 20 8.8 55	6 - Nut 20 GR8 6 - Washer 20 Steel	
4	-	Beam	marked	C1			
		Connected to	B3	with	8 - Bolt 20 8.8 55	8 - Nut 20 GR8 8 - Washer 20 Steel	
4	-	Beam	marked	C1			
		Connected to	B4	with	8 - Bolt 20 8.8 55	8 - Nut 20 GR8 8 - Washer 20 Steel	
4	-	Beam	marked	C2			
		Connected to	B4	with	8 - Bolt 20 8.8 55	8 - Nut 20 GR8 8 - Washer 20 Steel	

Assemblies				Connection Components		
1	-	Beam	marked	C3		
		Connected to	B19	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
1	-	Beam	marked	C3		
		Connected to	B20	with	4 - Bolt 16 8.8 40	4 - Nut 16 GR8 4 - Washer 16 Steel
1	-	Beam	marked	C4		
		Connected to	B10	with	8 - Bolt 20 8.8 55	8 - Nut 20 GR8 8 - Washer 20 Steel
		Connected to	B21	with	8 - Bolt 20 8.8 55	8 - Nut 20 GR8 8 - Washer 20 Steel
1	-	Beam	marked	C5		
		Connected to	B10	with	8 - Bolt 20 8.8 55	8 - Nut 20 GR8 8 - Washer 20 Steel
1	-	Beam	marked	C6		
		Connected to	B21	with	8 - Bolt 20 8.8 55	8 - Nut 20 GR8 8 - Washer 20 Steel
		Connected to	B18	with	8 - Bolt 20 8.8 55	8 - Nut 20 GR8 8 - Washer 20 Steel
		Connected to	B10	with	8 - Bolt 20 8.8 55	8 - Nut 20 GR8 8 - Washer 20 Steel
1	-	Beam	marked	C7		
		Connected to	B10	with	8 - Bolt 20 8.8 55	8 - Nut 20 GR8 8 - Washer 20 Steel