

BILL OF REINFORCING STEEL FOR EXTERIOR GIRDERS								Site No. 3048-10
MARK	TYPE	BAR DIAMETER	LENGTH	GIRDER TYPE	No. of GIRDERS	No. of BARS PER GIRDER	TOTAL No. of BARS PER GIRDER TYPE	BENDING DIAGRAM
1001	BENT	60	2 780	G1	2	48	96	
1002	BENT	60	2 420	G1	2	4	8	
1003	BENT	60	2 080	G1	2	2	4	
1004	BENT	45	960	G1	2	8	16	
1005	BENT	45	2 180	G1	2	4	8	
1006	BENT	45	2 220	G1	2	6	12	
1007	BENT	45	3 580	G1	2	6	12	
1008	BENT	45	3 680	G1	2	8	16	
1009	STR		1 020	G1	2	12	24	
1010	BENT	45	780	G1	2	4	8	
1011	BENT	45	880	G1	2	4	8	

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1501	BENT	90	1 480	G1	2	48	92	
1502	STR		15 000	G1	2	12	24	
1503	STR		1 020	G1	2	98	196	
1504	STR		7 200	G1	2	4	8	
1505	BENT	90	1 970	G1	2	20	40	
1506	BENT	90	1 450	G1	2	4	8	
1507	BENT	90	1 940	G1	2	16	32	
1508	BENT	90	1 430	G1	2	4	8	
1509	BENT	90	1 830	G1	2	20	40	
1510	BENT	90	1 410	G1	2	4	8	
1511	STR		15 600	G1	2	1	2	
Total volume of structural concrete per exterior girder							7.84 m³	
Mass for exterior girder							18 800 kg	
NOTES:								
1. All dimensions given in bending diagrams are out to out, except radiused extensions on 90°, 135° & 180° hooks. Extensions on 90°, 135° & 180° hooks are the "H" or "C" dimensions for standard 90°, 135° & 180° hooks referenced from the RSC "Manual of Standard Practice". Radii are inside dimensions. All reinforcing steel bends and hooks shall conform to Clause 6.5.2 of C.S.A. A23.1-04, unless noted otherwise in the BILL OF REINFORCING STEEL.								
2. All reinforcing steel shall be deformed steel, unless noted otherwise in the BILL OF REINFORCING STEEL.								
3. All reinforcing steel shall conform to CSA G30.19-M92 "Billet Steel Bars for Concrete Reinforcement" Grade 400W, unless noted otherwise in the BILL OF REINFORCING STEEL.								
4. Like bars shall be handled, securely tied and identified as to Mark and Site No. by appropriate means. All other items to be identified in a similar fashion.								
5. All bars shall be bent in accordance with the following details:								

BILL OF REINFORCING STEEL FOR INTERIOR GIRDERS								Site No. 3048-10
MARK	TYPE	BAR DIAMETER	LENGTH	GIRDER TYPE	No. of GIRDERS	No. of BARS PER GIRDER	TOTAL No. of BARS PER GIRDER TYPE	BENDING DIAGRAM
1001	BENT	60	2 780	G2-G4	10	48	480	
1002	BENT	60	2 420	G2-G4	10	4	40	
1003	BENT	60	2 080	G2-G4	10	2	20	
1004	BENT	45	960	G2-G4	10	8	80	
1005	BENT	45	2 180	G2-G4	10	4	40	
1006	BENT	45	2 220	G2-G4	10	6	60	
1007	BENT	45	3 580	G2-G4	10	6	60	
1008	BENT	45	3 680	G2-G4	10	8	80	
1009	STR		1 020	G2-G4	10	10	100	
1010	BENT	45	780	G2-G4	10	4	40	
1011	BENT	45	880	G2-G4	10	4	40	

BILL OF REINFORCING STEEL FOR INTERIOR GIRDERS								Site No. 3048-10
MARK	TYPE	BAR DIAMETER	LENGTH	GIRDER TYPE	No. of GIRDERS	No. of BARS PER GIRDER	TOTAL No. of BARS PER GIRDER TYPE	BENDING DIAGRAM
1501	BENT	90	1 480	G2-G4	10	48	480	
1502	STR		15 000	G2-G4	10	12	120	
1504	STR		7 200	G2-G4	10	4	40	
Total volume of structural concrete per interior girder							7.72 m³	
Mass for interior girder							18 800 kg	
NOTES:								
1. All dimensions given in bending diagram are out to out, except radiused extensions on 90°, 135° & 180° hooks. Extensions on 90°, 135° & 180° hooks are the "H" or "C" dimensions for standard 90°, 135° & 180° hooks referenced from the RSC "Manual of Standard Practice". Radii are inside dimensions. All reinforcing steel bends and hooks shall conform to Clause 6.5.2 of C.S.A. A23.1-04, unless noted otherwise in the BILL OF REINFORCING STEEL.								
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