1ST SLAB - ADDITIONAL TOP : X&Y-DIRECTION

Mark	Grade	Dia [mm]	Bending shape [mm]	Cutting length [mm]	Mass of each bar [kg]	Total number	Total length [mm]	Total mass [kg]	%	Note
13	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
14	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
15	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
16	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
17	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
18	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
19	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
20	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
21	B450C	18	5000	5000	9.99	83	415000	829	7%	[Add. Top]
22	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
23	B450C	18	9000	9000	17.98	28	252000	503.39	4.3%	[Add. Top]
24	B450C	16	5000	5000	7.89	13	65000	102.59	0.9%	[Add. Top]
25	B450C	16	3000	3000	4.74	12	36000	56.82	0.5%	[Add. Top]
26	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
27	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
28	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
29	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
30	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
31	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
29	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
30	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
31	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
32	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
33	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
34	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
35	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
36	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
37	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
38	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
39	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
40	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
41	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
42	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
43	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
44	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
45	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
46	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
47	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
48	B450C	16	275 / 2758	3000	4.73	20	59997	94.69	0.8%	[Add. Top]
49	B450C	16	275 / 3458	3700	5.84	25	92501	146	1.2%	[Add. Top]
49	B450C	16	275 / 3458	3700	5.84	25	92501	146	1.2%	[Add. Top]
50	B450C	18	5000	5000	9.99	56	280000	559.32	4.7%	[Add. Top]
51	B450C	18	5000	5000	9.99	28	140000	279.66	2.4%	[Add. Top]
52	B450C	16	5000	5000	7.89	15	75000	118.38	1%	[Add. Top]
53	B450C	16	5000	5000	7.89	41	205000	323.56	2.7%	[Add. Top]
54	B450C	16	5000	5000	7.89	15	75000	118.38	1%	[Add. Top]
55	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
56	B450C	18	5000	5000	9.99	15	75000	149.82	1.3%	[Add. Top]
57	B450C	16	5000	5000	7.89	14	70000	110.48	0.9%	[Add. Top]
58	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]
59	B450C	16	5000	5000	7.89	28	140000	220.97	1.9%	[Add. Top]

Total mass = 11785 kg

OWNER

TALAAT MOUSTAFA GROUP (TMG)
Madinaty Club - Gate 1 - Clubhouse,

DESIGNER

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F. +971 4 343 3604

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E-mail: info@shakeregypt.com

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ARCHIMID
ARCHIMID ARCHITECTS
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Tel: + (202) 27538310 Fax: + (202) 27538091
Email: info@archimid.com Website: www.archimid.com

SUPERVISION CONSULTANT

rmc
raafat miller consulting

MAIN CONTRACTOR

ATRIUM - QUALITY CONTRACTORS
36 Mosaddak Str., Dokki, Giza, Egypt 12311 Web Site: www.atriumeg.com
Tel. (202) 33356732 Fax.(202) 33356724 Email: info@atriumeg.com
ATRIUM Quality Contractors

General Notes

1.ALL DIMENSIONS AND REINFORCEMENT SIZES ARE IN mm.
2.CHARACTERISTIC STRENGTH FOR FOUNDATION CONCRETE AT 28 DAYS IS 350 KG/CM^2.
3.CONCRETE COVER TO REINFORCEMENTS FOR RC FOOTINGS, COLUMNS & WALLS IS 70 mm, 40 mm & 25 mm RESPECTIVELY.
4.ALL REINFORCEMENTS ARE HIGH TENSILE STEEL BARS OF GRADE B500DWR EXCEPT FOR STIRRUPS ARE MILD STEEL BARS OF GRADE B2400-P.
5.ALL ISOLATED FOOTINGS ARE CONCENTRIC WITH THEIR COLUMNS.

CONSULTANT COMMENTS

ATRIUM COORDINATION

CHECKED		NAME.	SIGNATURE	DATE
ARCHITECTURAL	A			
STRUCTURAL	S			
MECHANICAL	M			
ELECTRICAL	E			
DRAWING QUALITY CONTROL CHECK	✓			

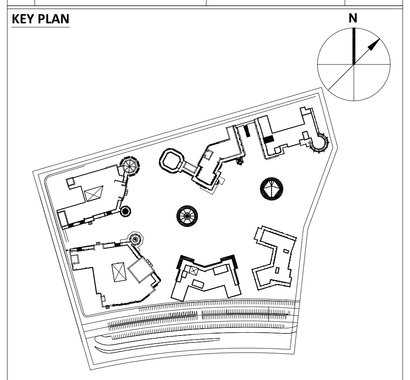
DESIGN DRAWING REFERENCES

NO.	DWG. No.	DRAWING TITLE	REV.	DATE
01				
02				
03				
04				
05				
06				
07				

RFI'S REFERENCES

NO.	DOC. No.	DOCUMENT DESCRIPTION	DATE
01			
02			
03			
04			
05			

KEY PLAN



REV	DATE	ISSUED FOR	DRW	CHK	PM
00	10.09.02025	ISSUED FOR APPROVAL	D.E.	S.S.	S.S.

PROJECT NAME:

WATER PARK-BUILDING M

DISCIPLINE

STRUCTURE

SHEET TYPE

SLAB REINFORCEMENT DETAILS

SHEET TITLE BUILDING M - PART 02
FIRST FLOOR SLAB REINFORCEMENT DETAILS
ADDITIONAL TOP REINFORCEMENT
X & Y DIRECTIONS

SCALE	PROJECT CODE	PROJECT NAME	ORIGINATOR	DISCIPLINE	BUILDING NO.	SERIES	REV.
	P0186-ATR-WSD-BLM-SRS-01-PT2-006						00

SHEET SIZE - ISO A0 (841* 1189 MM)
SCANNING SCALE