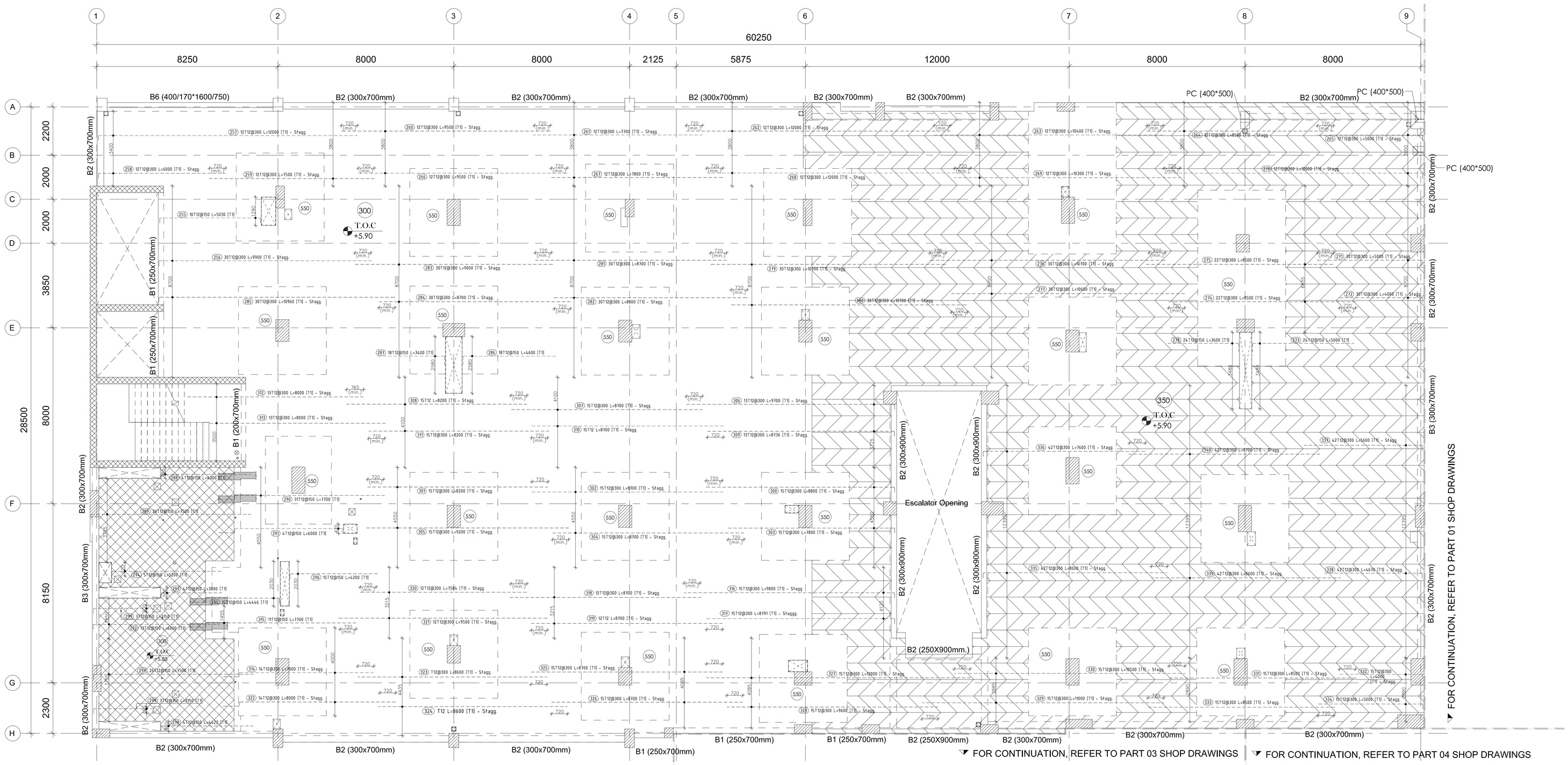

1ST SLAB - TOP (T1) : X-DIRECTION

Mark	Dia [mm]	Bending shape [mm]	Cutting length [mm]	Mass of each bar [kg]	Total number	Total length [mm]	Total mass [kg]	%	Note
255	12	4600 (T14, T14)	5030	4.47	10	50302	44.66	0.4%	[T1]
256	12	9685 (T20, T20)	9900	8.79	30	296997	263.68	2.4%	[T1] - Stagg.
257	12	11785 (T20, T20)	12000	10.65	12	144005	127.85	1.2%	[T1] - Stagg.
258	12	5785 (T20, T20)	6000	5.33	12	72005	63.93	0.6%	[T1] - Stagg.
259	12	7500	7500	6.66	12	90000	79.9	0.7%	[T1] - Stagg.
260	12	9500	9500	8.43	12	114000	101.21	0.9%	[T1] - Stagg.
261	12	7700	7700	6.84	12	92400	82.03	0.7%	[T1] - Stagg.
262	12	12000	12000	10.65	12	144000	127.85	1.2%	[T1] - Stagg.
263	12	10400	10400	9.23	12	124800	110.8	1%	[T1] - Stagg.
264	12	8500	8500	7.55	12	102000	90.56	0.8%	[T1] - Stagg.
265	12	4785 (T14)	5000	4.44	12	59998	53.27	0.5%	[T1] - Stagg.
266	12	9500	9500	8.43	12	114000	101.21	0.9%	[T1] - Stagg.
267	12	7800	7800	6.92	12	93600	83.1	0.8%	[T1] - Stagg.
268	12	12000	12000	10.65	12	144000	127.85	1.2%	[T1] - Stagg.
269	12	10300	10300	9.14	12	123600	109.73	1%	[T1] - Stagg.
270	12	11779 (T14)	12000	10.65	12	143998	127.84	1.2%	[T1] - Stagg.
271	12	4785 (T14)	5000	4.44	30	150008	133.18	1.2%	[T1] - Stagg.
272	12	3785 (T14)	4000	3.55	30	120004	106.54	1%	[T1] - Stagg.
273	12	4625 (T20)	5000	4.44	24	120003	106.54	1%	[T1]
274	12	8500	8500	7.55	22	187000	166.02	1.5%	[T1] - Stagg.
275	12	8500	8500	7.55	22	187000	166.02	1.5%	[T1] - Stagg.
276	12	10700	10700	9.5	30	321000	284.99	2.6%	[T1] - Stagg.
277	12	10600	10600	9.41	30	318000	282.32	2.6%	[T1] - Stagg.
278	12	3225 (T20)	3600	3.2	24	86403	76.71	0.7%	[T1]
279	12	10700	10700	9.5	30	321000	284.99	2.6%	[T1] - Stagg.
280	12	10700	10700	9.5	30	321000	284.99	2.6%	[T1] - Stagg.
281	12	8700	8700	7.72	30	261000	231.72	2.1%	[T1] - Stagg.
282	12	8800	8800	7.81	30	264000	234.38	2.1%	[T1] - Stagg.
283	12	9000	9000	7.99	30	270000	239.71	2.2%	[T1] - Stagg.
283	12	9000	9000	7.99	30	270000	239.71	2.2%	[T1] - Stagg.
284	12	8700	8700	7.72	30	261000	231.72	2.1%	[T1] - Stagg.
285	12	10765 (T20)	10960	9.73	30	328797	291.91	2.7%	[T1] - Stagg.
286	12	4225 (T20)	4600	4.08	18	82802	73.51	0.7%	[T1]
287	12	3025 (T20)	3400	3.02	18	61202	54.34	0.5%	[T1]
288	12	4085 (T14)	4300	3.82	4	17201	15.27	0.1%	[T1]
289	12	7285 (T14)	7500	6.66	26	195005	173.13	1.6%	[T1]
290	12	6830 (T20, T20)	7700	6.84	31	238708	211.93	1.9%	[T1]
291	12	4909 (T14, T20, T14)	6000	5.33	4	24001	21.31	0.2%	[T1]
292	12	5785 (T14)	6000	5.33	13	78002	69.25	0.6%	[T1]
293	12	2785 (T14)	3000	2.66	4	12000	10.65	0.1%	[T1]
294	12	4985 (T14)	5200	4.62	5	25999	23.08	0.2%	[T1]
295	12	3355 (T14, T20, T20)	4446	3.95	15	66689	59.21	0.5%	[T1]
296	12	3979 (T14)	4200	3.73	15	62996	55.93	0.5%	[T1]
297	12	7285 (T14)	7500	6.66	26	195005	173.13	1.6%	[T1]
298	12	4207 (T14)	4422	3.93	4	17687	15.7	0.1%	[T1]
299	12	2376 (T14, T14)	3150	2.8	6	18902	16.78	0.2%	[T1]
300	12	8584 (T14)	8800	7.81	15	131994	117.19	1.1%	[T1] - Stagg.
301	12	8200	8200	7.28	15	123000	109.2	1%	[T1] - Stagg.
302	12	8700	8700	7.72	15	130500	115.86	1.1%	[T1] - Stagg.
303	12	7584 (T14)	7800	6.92	15	116994	103.87	0.9%	[T1] - Stagg.
304	12	8700	8700	7.72	15	130493	115.85	1.1%	[T1] - Stagg.
305	12	9200	9200	8.17	15	138000	122.52	1.1%	[T1] - Stagg.
306	12	9484 (T14)	9700	8.61	13	126095	111.95	1%	[T1] - Stagg.
307	12	8700	8700	7.72	15	130500	115.86	1.1%	[T1] - Stagg.
308	12	8200	8200	7.28	15	123000	109.2	1%	[T1] - Stagg.
309	12	8515 (T14)	8736	7.76	13	113573	100.83	0.9%	[T1] - Stagg.
310	12	8700	8700	7.72	15	130500	115.86	1.1%	[T1] - Stagg.
311	12	8200	8200	7.28	15	123000	109.2	1%	[T1] - Stagg.
311	12	8200	8200	7.28	15	123000	109.2	1%	[T1] - Stagg.
312	12	8000	8000	7.1	13	104000	92.33	0.8%	[T1] - Stagg.
313	12	8000	8000	7.1	13	104000	92.33	0.8%	[T1] - Stagg.
314	12	6124 (T14, T14)	7000	6.21	14	98003	87.01	0.8%	[T1] - Stagg.
315	12	6830 (T20, T20)	7700	6.84	11	84703	75.2	0.7%	[T1]
316	12	9584 (T14)	9800	8.7	15	146994	130.5	1.2%	[T1] - Stagg.
317	12	8535 (T14)	8791	7.8	15	131859	117.07	1.1%	[T1] - Staggg.
318	12	8700	8700	7.72	12	104400	92.69	0.8%	[T1] - Stagg.
319	12	8700	8700	7.72	12	104400	92.69	0.8%	[T1] - Stagg.
320	12	7584	7584	6.73	12	91008	80.8	0.7%	[T1] - Stagg.
321	12	9500	9500	8.43	12	114000	101.21	0.9%	[T1] - Stagg.
322	12	7124 (T14, T14)	8000	7.1	14	112003	99.44	0.9%	[T1] - Stagg.
323	12	8600	8600	7.64	1	8600	7.64	0.1%	[T1] - Stagg.
324	12	8600	8600	7.64	1	8600	7.64	0.1%	[T1] - Stagg.
325	12	8700	8700	7.72	15	130500	115.86	1.1%	[T1] - Stagg.
326	12	8700	8700	7.72	15	130500	115.86	1.1%	[T1] - Stagg.
327	12	12000	12000	10.65	15	180000	159.81	1.5%	[T1] - Stagg.
328	12	9600	9600	8.52	15	144000	127.85	1.2%	[T1] - Stagg.
329	12	11000	11000	9.77	15	165000	146.49	1.3%	[T1] - Stagg.
330	12	10500	10500	9.32	15	157500	139.83	1.3%	[T1] - Stagg.
331	12	8500	8500	7.55	15	127500	113.2	1%	[T1] - Stagg.
332	12	3785 (T14)	4000	3.55	15	60007	53.28	0.5%	[T1] - Stagg.
333	12	8500	8500	7.55	15	127500	113.2	1%	[T1] - Stagg.
334	12	4779 (T14)	5000	4.44	15	75003	66.59	0.6%	[T1] - Stagg.
335	12	8385 (T14)	8600	7.64	42	361191	320.67	2.9%	[T1] - Stagg.
336	12	7385 (T14)	7600	6.75	42	319191	283.38	2.6%	[T1] - Stagg.
337	12	5385 (T14)	5600	4.97	42	235212	208.82	1.9%	[T1] - Stagg.
338	12	4455 (T14)	4670	4.15	42	196152	174.15	1.6%	[T1] - Stagg.
339	12	8600	8600	7.64	42	361200	320.68	2.9%	[T1] - Stagg.
340	12	8700	8700	7.72	42	365400	324.41	2.9%	[T1] - Stagg.

Total mass = 10998 kg

OWNER

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

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F. +971 4 343 3604

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ARCHIMID
ARCHIMID ARCHITECTS
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Email: info@archimid.com Website: www.archimid.com

SUPERVISION CONSULTANT

rmc
raafat miller consulting

MAIN CONTRACTOR

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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	✓			

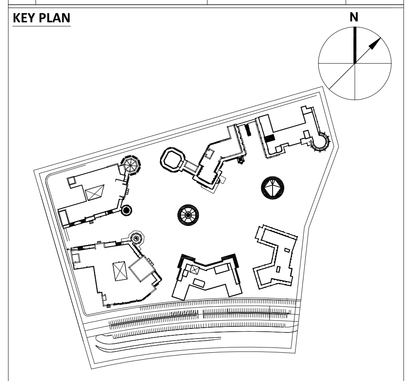
DESIGN DRAWING REFERENCES

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
TOP (T1) : X-DIRECTION

SCALE	PROJECT CODE	PROJECT NAME	ORIGINATOR	DISCIPLINE	BUILDING NO.	SERIES	REV.
	P0186-ATR-WSD-BLM-SRS-01-PT2-003						00

SHEET SIZE - ISO A0 (841* 1189 MM)
SCANNING SCALE 10 mm 50 mm 100 mm