

# PROCUREMENT REPORT

Reinforcement Steel Quantities

## Report Information

**Floor Range** PISO 5 to PISO 11  
**Floors Included** 7  
**Source File** reinforcement\_solution.xlsx  
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## Quantities Summary

Category	Weight (tonf)	Weight (kgf)	Bar Count
Longitudinal	25.64	25,640	2,975
Transverse	7.37	7,372	8,842
<b>TOTAL</b>	<b>33.01</b>	<b>33,012</b>	<b>11,817</b>

## Longitudinal Reinforcement by Diameter

Diameter	Bar Count	Weight (kgf)	Weight (tonf)
1"	21	528.2	0.528
3/4"	611	4,862.0	4.862
5/8"	2,236	19,278.6	19.279
7/8"	107	971.3	0.971
<b>TOTAL</b>	<b>2,975</b>	<b>25,640.1</b>	<b>25.640</b>

## Transverse Reinforcement (Stirrups) by Diameter

Diameter	Bar Count	Weight (kgf)	Weight (tonf)
3/8"	8,842	7,371.9	7.372
<b>TOTAL</b>	<b>8,842</b>	<b>7,371.9</b>	<b>7.372</b>

## Longitudinal Bars by Shape

Shape	Description	Bar Count	Weight (kgf)
L	90° hook one end	891	9,499.6
	Straight bar	2,084	16,140.5

## Detailed Longitudinal Bar List

Complete list of longitudinal bars grouped by diameter, shape, and length.

Diameter	Shape	L_total (m)	L_recta (m)	Qty	Weight (kgf)
1"		3.50	3.50	4	55.6
1"		7.00	7.00	17	472.6
3/4"	L	2.00	1.70	88	393.2
3/4"	L	2.50	2.20	37	206.6
3/4"		2.50	2.50	269	1,502.9
3/4"		3.00	3.00	87	582.9
3/4"		3.50	3.50	20	156.4
3/4"		4.00	4.00	8	71.6
3/4"	L	4.50	4.20	8	80.4
3/4"		4.50	4.50	18	180.9
3/4"		7.00	7.00	6	93.9
3/4"	L	9.00	8.70	22	442.6
3/4"		9.00	9.00	6	120.6
3/4"	L	9.50	9.20	6	127.5
3/4"	L	10.00	9.70	6	134.1
3/4"		10.00	10.00	8	178.8
3/4"	L	12.00	11.70	14	375.2
3/4"		12.00	12.00	8	214.4
5/8"	L	1.50	1.25	29	67.8
5/8"		1.50	1.50	38	88.6
5/8"	L	2.00	1.75	50	155.0
5/8"		2.00	2.00	313	970.9
5/8"	L	2.50	2.25	57	220.8
5/8"		2.50	2.50	407	1,579.2

5/8"		3.00	3.00	58	270.4
5/8"		3.50	3.50	89	483.7
5/8"	L	4.00	3.75	18	111.6
5/8"		4.00	4.00	95	589.1
5/8"	L	5.00	4.75	4	31.0
5/8"	L	5.50	5.25	52	443.3
5/8"		5.50	5.50	1	8.5
5/8"	L	6.00	5.75	105	977.2
5/8"		6.00	6.00	39	362.7
5/8"	L	7.00	6.75	49	532.7
5/8"		7.00	7.00	105	1,141.7

Diameter	Shape	L_total (m)	L_recta (m)	Qty	Weight (kgf)
5/8"	L	8.00	7.75	77	956.2
5/8"		8.00	8.00	97	1,204.9
5/8"	L	8.50	8.25	3	39.6
5/8"	L	9.00	8.75	39	544.7
5/8"		9.00	9.00	46	642.7
5/8"	L	9.50	9.25	56	826.0
5/8"	L	10.00	9.75	3	46.6
5/8"		10.00	10.00	171	2,654.8
5/8"	L	10.50	10.25	21	342.3
5/8"	L	12.00	11.75	119	2,216.9
5/8"		12.00	12.00	95	1,769.7
7/8"	L	2.50	2.15	18	136.8
7/8"	L	3.00	2.65	10	91.5
7/8"		3.00	3.00	71	648.6
7/8"		3.50	3.50	2	21.3
7/8"		4.00	4.00	6	73.1

## Detailed Stirrup List

Complete list of stirrups grouped by diameter, shape, and dimensions.

Diameter	Shape	Base (m)	Height (m)	Qty	Weight (kgf)
3/8"	[	0.00	0.41	1,960	686.0
3/8"	[]	0.21	0.41	1,015	826.7
3/8"	[]	0.31	0.41	2,092	1,938.1
3/8"	[]	0.41	0.41	3,775	3,921.1

## Floors Included

PISO 5, PISO 6, PISO 7, PISO 8, PISO 9, PISO 10, PISO 11

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