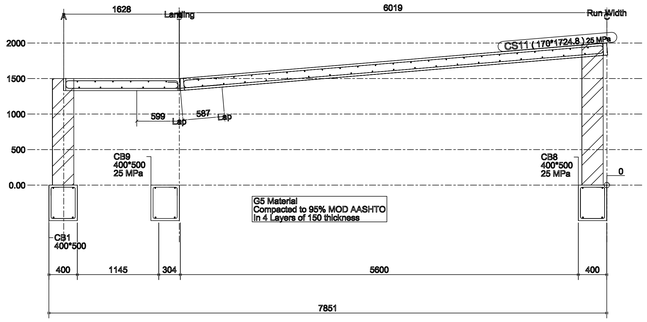
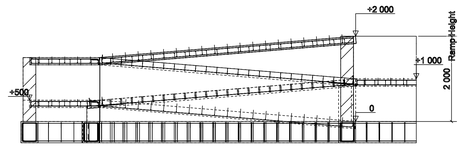
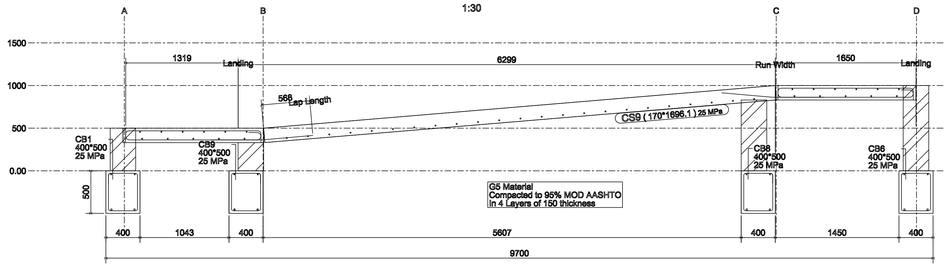


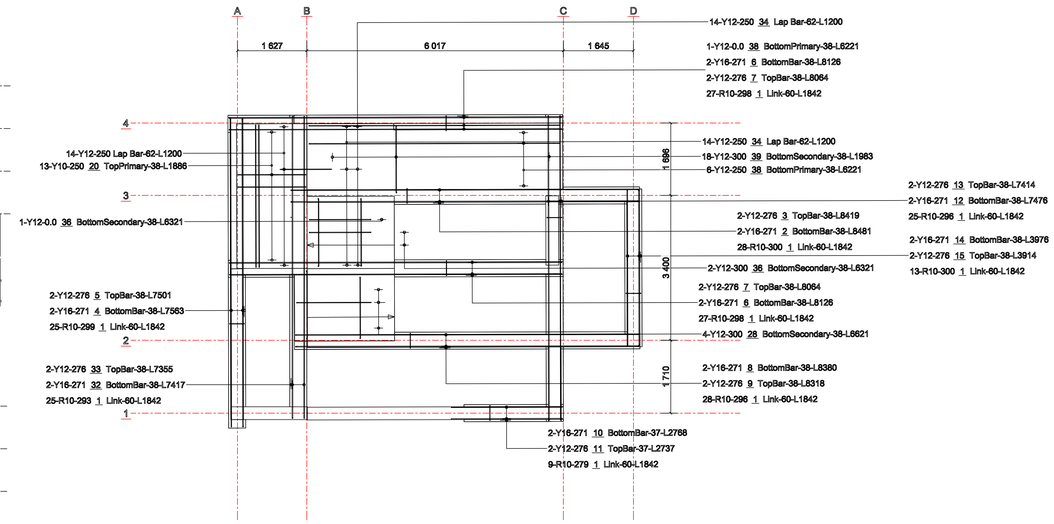
A - A
Flight 4
1:30



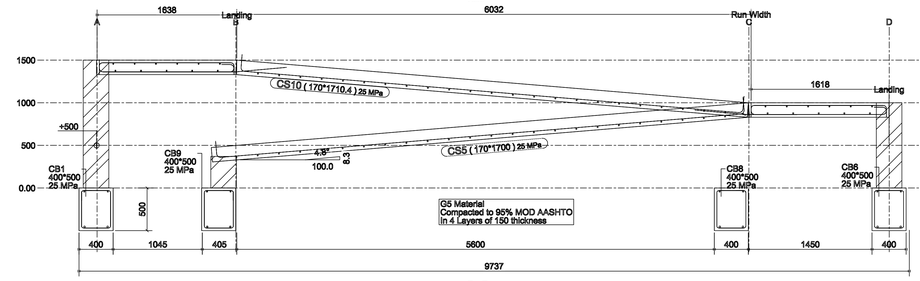
F - F
1:50



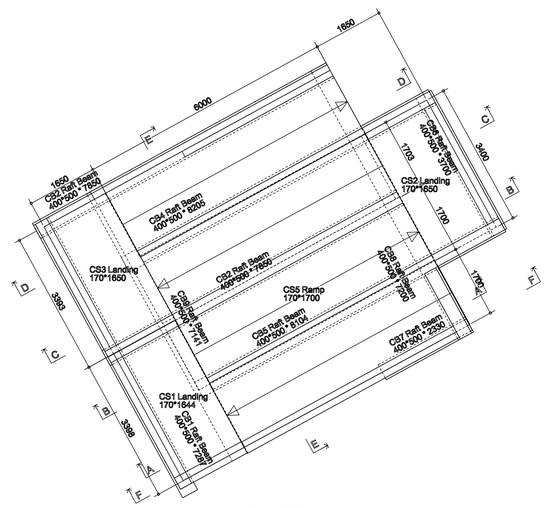
C - C
Flight 2
1:25



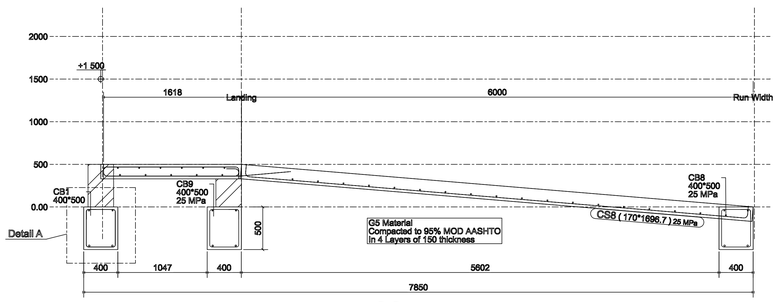
Plan 0.00
Ramp Rebar Layout
1:50



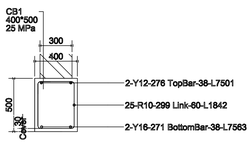
B - B
Flight 2
1:25



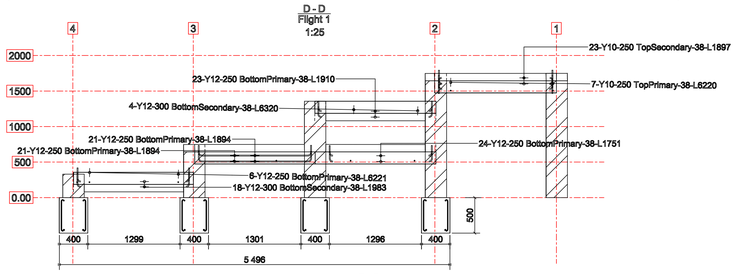
Plan 0.00
Ramp Layout
1:50



D - D
Flight 1
1:25



Detail A
Beam Detail
1:20



E - E
1:30

Cast unit reinforcing list with bending dimensions (Shape codes to SANS 282)

	Type	Mark	No	Length	Shape	A	B	C	D	E	r	Mass each	All
Raft Beam		CB1	1										
	Y 12	5	2	7450	38	130	7235					6.6	13.2
	Y 16	4	2	7500	38	165	7235					11.8	23.6
	R 10	1	25	1750	60	350	450					1.1	26.8
Raft Beam		CB2	2										
	Y 12	7	4	8000	38	130	7800					7.1	28.4
	Y 16	6	4	8050	38	165	7800					12.7	50.8
	R 10	1	54	1750	60	350	450					1.1	57.8
Raft Beam		CB4	1										
	Y 12	3	2	8400	38	130	8155					7.5	14.8
	Y 16	2	2	8400	38	165	8155					13.3	26.5
	R 10	1	28	1750	60	350	450					1.1	30.0
Raft Beam		CB5	1										
	Y 12	9	2	8300	38	130	8055					7.4	14.7
	Y 16	8	2	8300	38	165	8055					13.1	26.2
	R 10	1	28	1750	60	350	450					1.1	30.0
Raft Beam		CB6	1										
	Y 12	15	2	3850	38	130	3650					3.4	6.8
	Y 16	14	2	3900	38	165	3650					6.2	12.3
	R 10	1	13	1750	60	350	450					1.1	13.9
Raft Beam		CB7	1										
	Y 12	11	2	2750	37	130	2605					2.4	4.8
	Y 16	10	2	2750	37	165	2605					4.3	8.6
	R 10	1	9	1750	60	350	450					1.1	9.6
Raft Beam		CB8	1										
	Y 12	13	2	7350	38	130	7150					6.5	13.1
	Y 16	12	2	7400	38	165	7150					11.7	23.3
	R 10	1	25	1750	60	350	450					1.1	26.8
Raft Beam		CB9	1										
	Y 12	33	2	7300	38	130	7090					6.5	12.9
	Y 16	32	2	7350	38	165	7090					11.6	23.1
	R 10	1	25	1750	60	350	450					1.1	26.8
Landing		CS1	1										
	Y 10	16	13	1850	38	145	1595					1.1	14.6
	Y 10	17	6	3600	38	145	3335					2.2	13.2
	Y 12	19	5	3600	38	150	3340					3.2	15.9
	Y 12	34	14	1200	62	600	65					1.1	14.9
	Y 12	18	13	1900	85	150	1595	100			36	1.7	21.9
Landing		CS2	1										
	Y 10	20	13	1850	38	145	1600					1.1	14.6
	Y 10	24	6	3600	38	145	3350					2.2	13.2
	Y 12	25	5	3600	38	150	3350					3.2	15.9
	Y 12	22	13	1950	85	150	1600	100			36	1.7	22.0
Landing		CS3	1										
	Y 10	20	13	1850	38	145	1600					1.1	14.6
	Y 10	21	6	3600	38	145	3345					2.2	13.2
	Y 12	23	5	3600	38	150	3345					3.2	15.9
	Y 12	34	14	1200	62	600	65					1.1	14.9
	Y 12	22	13	1950	85	150	1600	100			36	1.7	22.0
Ramp		CS5	1										
	Y 12	29	24	1700	38	150	1450					1.5	35.9
	Y 12	27	1	1850	38	150	1600					1.6	1.6
	Y 12	28	4	6600	38	200	6220					5.9	23.3
	Y 12	34	7	1200	62	600	65					1.1	7.6
Ramp		CS8	1										
	Y 12	39	18	1950	38	200	1585					1.7	30.7
	Y 12	38	7	6200	38	150	5920					5.5	38.3
Ramp		CS9	1										
	Y 12	37	23	1850	38	150	1595					1.6	37.4
	Y 12	36	3	6300	38	200	5920					5.6	16.7
	Y 12	34	7	1200	62	600	65					1.1	7.6
Ramp		CS10	1										
	Y 12	35	24	1850	38	150	1610					1.6	39.3
	Y 12	36	4	6300	38	200	5920					5.6	22.2
Ramp		CS11	1										
	Y 10	41	23	1850	38	145	1610					1.1	26.1
	Y 10	40	7	6200	38	145	5935					3.8	26.6
	Y 12	43	19	1950	38	200	1610					1.7	32.8
	Y 12	42	7	6200	38	150	5935					5.5	38.3

Total of 560 bars with a mass of 1135.7 kg per cast unit.

REV	WORKS DESCRIPTION	DATE
A	STAGE 4.2 ISSUED FOR INFORMATION	2025.03.07

REVISION SCHEDULE

FOR TENDER

Title Sheet
A0

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DESCRIPTION :
PROPOSED NEW MARTIN SAPS ON REMAINING EXTENT OF PORTION 1 OF THE FARM WATERVAL 273 JQ

PROJECT NUMBER 19/18/P/72/18/20	PROJECT NAME MARTIN SAPS - MPUMALANGA	DRAWING NUMBER STR-150-15	
CLIENT NAME SAPS	DRAWING NAME PLANS & SECTIONS	DRAWING SCALE AS INDICATED	
WORK STAGE 4.2	BUILDING NAME RAMP	DRAWING REVISION A	
DRAWING AUTHOR SLN	PROJECT LEADER LBN	DRAWING DATE 2025.03.07	