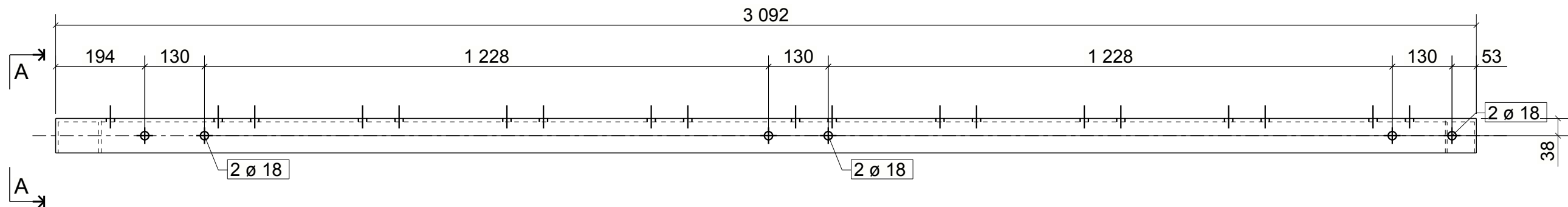


General Notes: All steelwork to comply with SANS 2001:CS1 & SANS 1921-3
All profile notches to have 11mm radius unless noted otherwise

<div style="text-align: center; font-size: 2em; font-weight: bold;">YS</div>	QUALITY CONTROL	
	NAME:	
	DATE COMPLETE:	
	CHECKED BY:	
	RELEASE DATE	



Material list for 1 part named 'Stringer'					
Mark	Profile	Grade	Length	Paint Area	Mass
M5	PC200*75	S355JR	3092	2.1	75.1
Total for 1 part			3092	2.1	75.1

The part shown is required for the following assemblies:-
1 required for 'Stringer' assemblies marked A6

1	1	FOR CONSTRUCTION	08.10.2025
<i>Rev</i>	<i>Mark</i>	<i>Revision Description</i>	<i>Date</i>



OGILVIE ENGINEERING
COTSWOLD CHECKERS
YARD STEEL STAIR
Cotswold Estate, Hillcrest, Durban KZN

Detailed by

Detailed by Precise Structural Modelling

Office +27 31 2056906
Cell +27 83 779 1091
rowan@psmod.co.za



Drawn	J.P.R
Scale	1:10

Issued	
Revised	08.10.2025

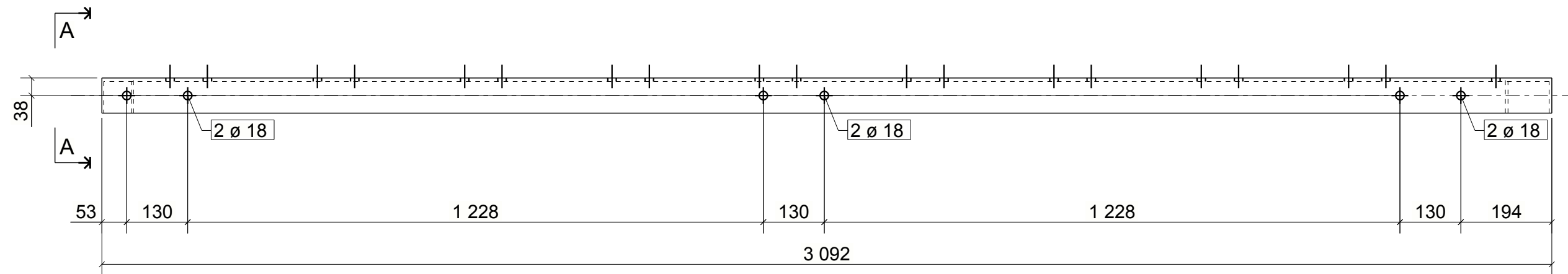
Project Number	PSM 25179
----------------	-----------

Workshop Drawing

W [M.5]	Rev 1
---------	-------

General Notes: All steelwork to comply with SANS 2001:CS1 & SANS 1921-3
All profile notches to have 11mm radius unless noted otherwise

<div> <div>HARD STAMP</div> <div>YS</div> </div>	QUALITY CONTROL	
	NAME:	
	DATE COMPLETE:	
	CHECKED BY:	
	RELEASE DATE	



Material list for 1 part named 'Stringer'					
Mark	Profile	Grade	Length	Paint Area	Mass
M6	PC200*75	S355JR	3092	2.1	75.1
Total for 1 part			3092	2.1	75.1

The part shown is required for the following assemblies:-
1 required for 'Stringer' assemblies marked A9

1	1	FOR CONSTRUCTION	08.10.2025
<i>Rev</i>	<i>Mark</i>	<i>Revision Description</i>	<i>Date</i>



OGILVIE ENGINEERING
COTSWOLD CHECKERS
YARD STEEL STAIR
Cotswold Estate, Hillcrest, Durban KZN

Detailed by

Detailed by Precise Structural Modelling

Office +27 31 2056906
Cell +27 83 779 1091
rowan@psmod.co.za



Drawn	J.P.R
Scale	1:10

Issued	
Revised	08.10.2025

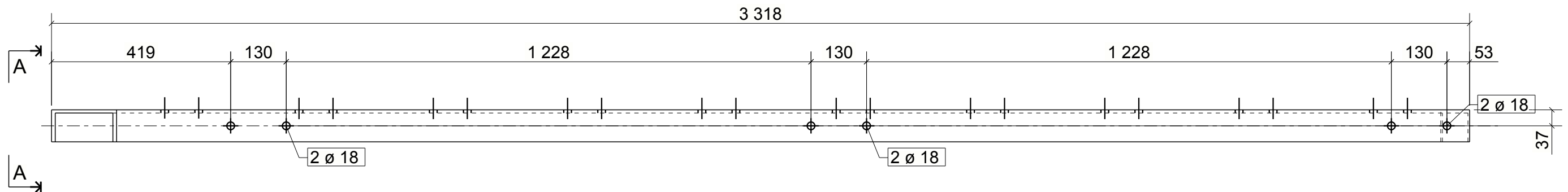
Project Number	PSM 25179
----------------	-----------

Workshop Drawing

W	[M.6]	Rev	1
---	-------	-----	---

General Notes: All steelwork to comply with SANS 2001:CS1 & SANS 1921-3
All profile notches to have 11mm radius unless noted otherwise

<i>HARD STAMP</i>	<i>QUALITY CONTROL</i>	
YS	<i>NAME:</i>	
	<i>DATE COMPLETE:</i>	
	<i>CHECKED BY:</i>	
	<i>RELEASE DATE</i>	



Technical drawing of a reinforced concrete slab cross-section. The drawing shows a slab with a total width of 100 units and a depth of 152 units. The top surface is sloped at 37.3 degrees. The bottom surface is horizontal. The slab is reinforced with 2 layers of 18mm diameter bars (2 Ø 18) in the top and bottom. The top reinforcement is spaced at 80mm intervals, and the bottom reinforcement is spaced at 145mm intervals. The slab is supported by a wall on the left and a column on the right. The wall has a height of 76 units and a thickness of 152 units. The column has a diameter of 100 units and a height of 100 units. The slab is labeled 'M12'.

The part shown is required for the following assemblies:-	1	1	FOR CONSTRUCTION	08.10.2025
1 required for 'Stringer' assemblies marked A7	Rev	Mark	Revision Description	Date



OGILVIE ENGINEERING
COTSWOLD CHECKERS
YARD STEEL STAIR
Cotswold Estate, Hillcrest, Durban KZN

Detailed by

Detailed by Precise Structural Modelling

Office +27 31 2056906
Cell +27 83 779 1091
rowan@psmod.co.za



Workshop Drawing

Drawn	J.P.R
Scale	1:10

Issued	
Revised	08.10.2025

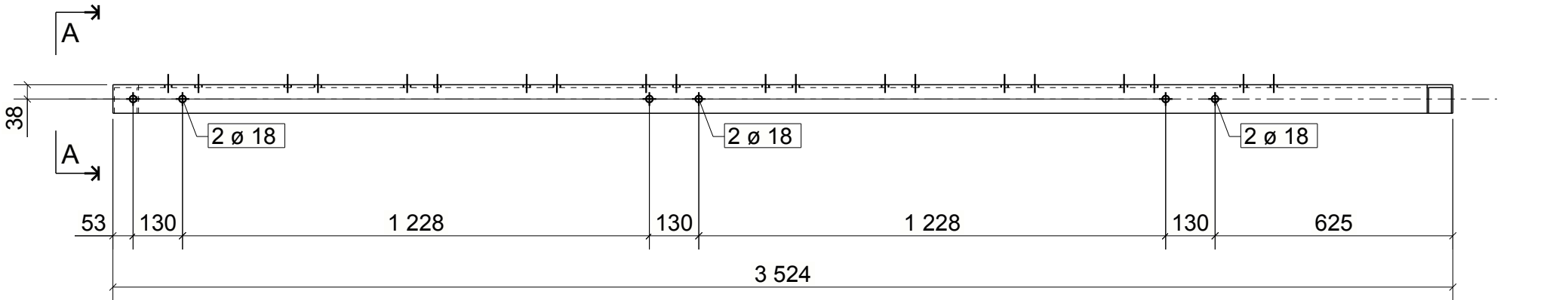
Project Number	PSM 25179
----------------	-----------

W	[M.12]	Rev	1
---	--------	-----	---

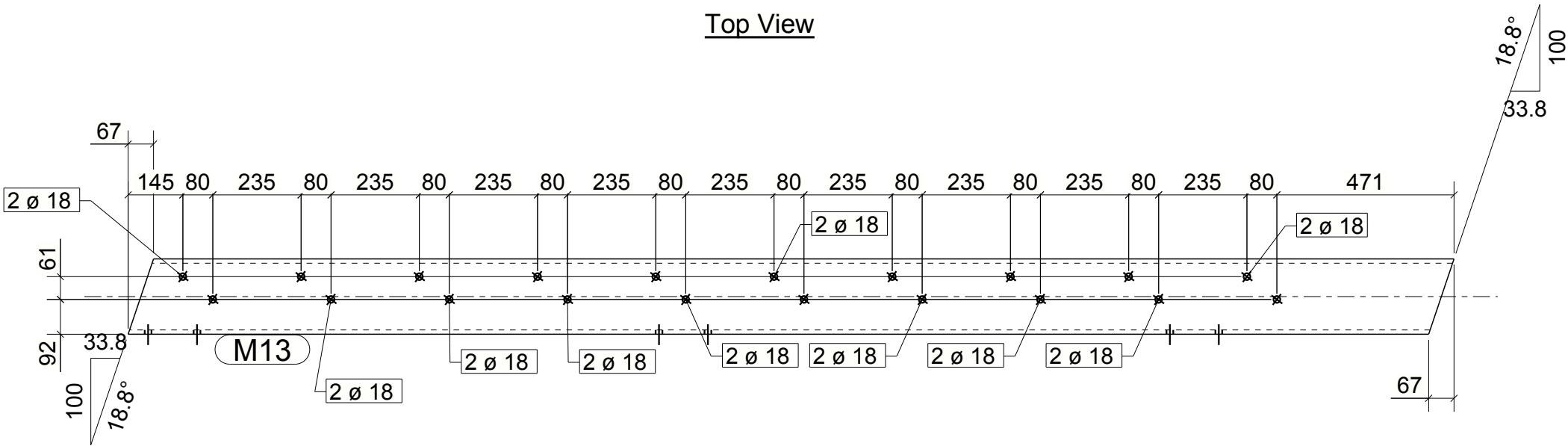
Phase name	Qty
Phase 1	2

General Notes: All steelwork to comply with SANS 2001:CS1 & SANS 1921-3
All profile notches to have 11mm radius unless noted otherwise

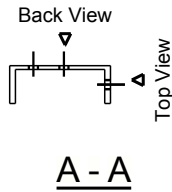
HARD STAMP	QUALITY CONTROL	
YS	NAME:	
	DATE COMPLETE:	
	CHECKED BY:	
	RELEASE DATE	



Top View



Back View



Material list for 2 parts named 'Stringer'				
Mark	Profile	Grade	Length	Paint Area
M13	PC200*75	S355JR	3524	2.4
Total for 2 parts			7047	4.8

The part shown is required for the following assemblies:-				
1	required for 'Stringer' assemblies marked A10			
1	required for 'Stringer' assemblies marked A11			

Rev	Mark	Revision Description	Date
1	1	FOR CONSTRUCTION	08.10.2025



OGILVIE ENGINEERING
COTSWOLD CHECKERS
YARD STEEL STAIR
Cotswold Estate, Hillcrest, Durban KZN

Detailed by
Precise Structural Modelling

Office +27 31 2056906
Cell +27 83 779 1091
rowan@psmod.co.za

Tekla Structures

Workshop Drawing

Drawn J.P.R.
Scale 1:15

Issued
Revised 08.10.2025

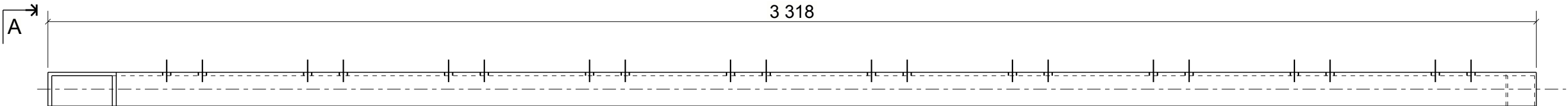
Project Number
PSM 25179

Rev 1

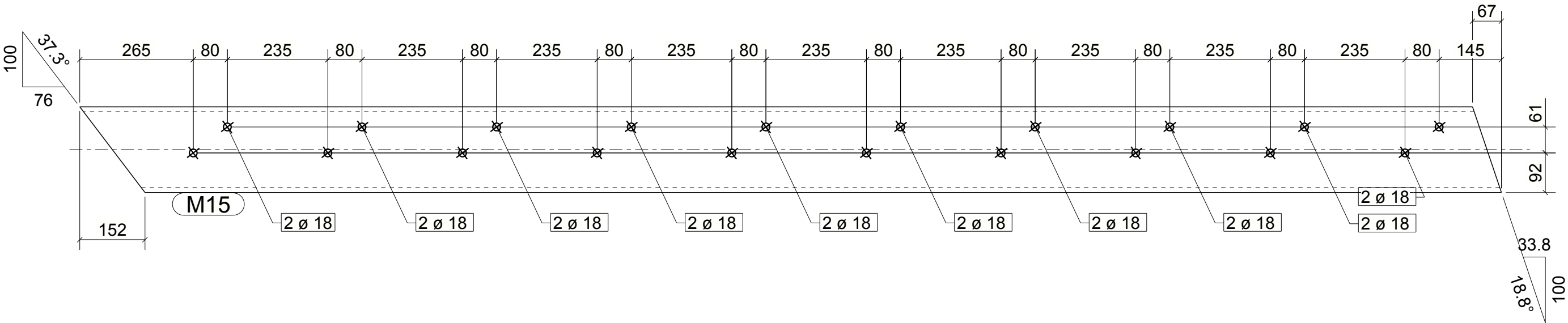
Phase name	Qty
Phase 1	1

General Notes: All steelwork to comply with SANS 2001:CS1 & SANS 1921-3
All profile notches to have 11mm radius unless noted otherwise

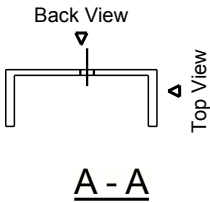
HARD STAMP	QUALITY CONTROL	
YS	NAME:	
	DATE COMPLETE:	
	CHECKED BY:	
	RELEASE DATE	



Top View



Back View



Material list for 1 part named 'Stringer'				
Mark	Profile	Grade	Length	Paint Area
M15	PC200*75	S355JR	3318	2.2
Total for 1 part			3318	2.2

The part shown is required for the following assemblies:-			
1	required for 'Stringer' assemblies marked A8		

1	1	FOR CONSTRUCTION	08.10.2025
Rev	Mark	Revision Description	Date



OGILVIE ENGINEERING
COTSWOLD CHECKERS
YARD STEEL STAIR
Cotswold Estate, Hillcrest, Durban KZN

Detailed by
Precise Structural Modelling

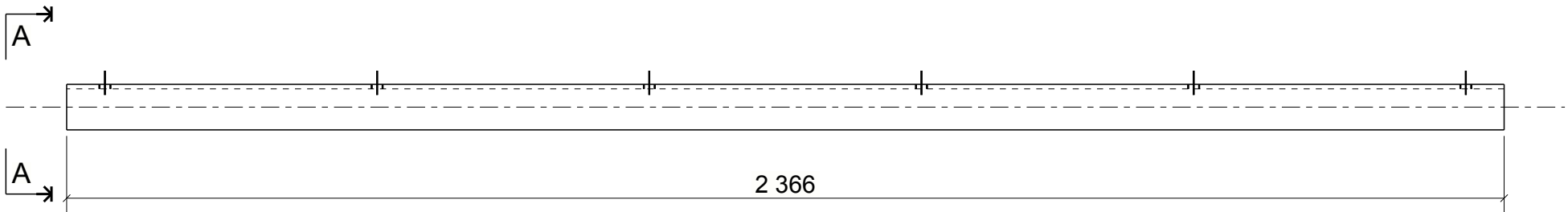
Office +27 31 2056906
Cell +27 83 779 1091
rowan@psmod.co.za

Drawn Scale J.P.R 1:10
Issued Revised 08.10.2025
Project Number PSM 25179
Workshop Drawing W [M.15] Rev 1

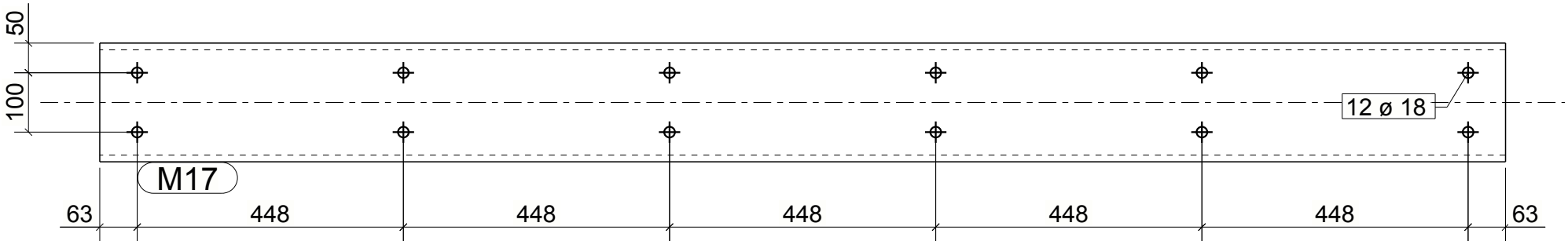
Phase name	Qty
Phase 1	2

General Notes: All steelwork to comply with SANS 2001:CS1 & SANS 1921-3
All profile notches to have 11mm radius unless noted otherwise

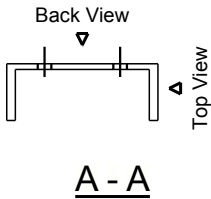
HARD STAMP	QUALITY CONTROL	
YS	NAME:	
	DATE COMPLETE:	
	CHECKED BY:	
	RELEASE DATE	



Top View



Back View



Material list for 2 parts named 'Stringer'				
Mark	Profile	Grade	Length	Paint Area
M17	PC200*75	S355JR	2366	1.6
Total for 2 parts			4732	3.2

The part shown is required for the following assemblies:-				
1	required for 'Stringer' assemblies marked A13			
1	required for 'Stringer' assemblies marked A14			

Rev	Mark	Revision Description	Date
1	1	FOR CONSTRUCTION	08.10.2025



OGILVIE ENGINEERING
COTSWOLD CHECKERS
YARD STEEL STAIR
Cotswold Estate, Hillcrest, Durban KZN

Detailed by
Precise Structural Modelling

Office +27 31 2056906
Cell +27 83 779 1091
rowan@psmod.co.za

Drawn J.P.R.
Scale 1:10

Issued
Revised 08.10.2025

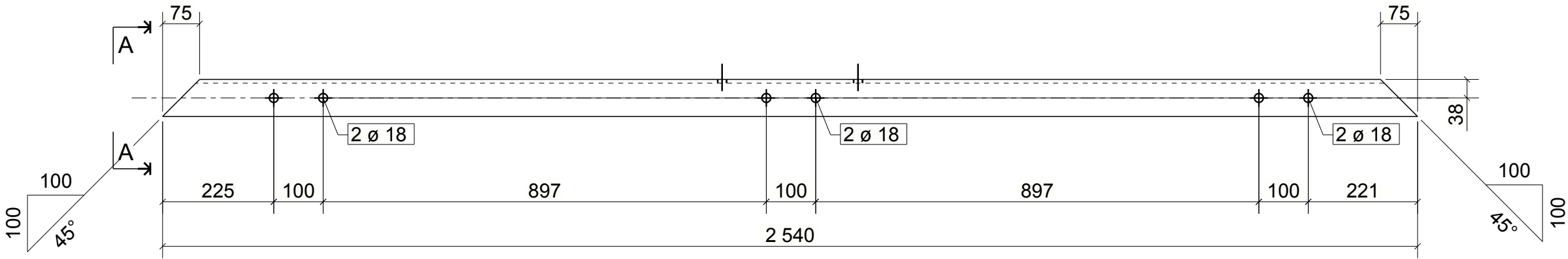
Project Number
PSM 25179

Workshop Drawing W [M.17] Rev 1

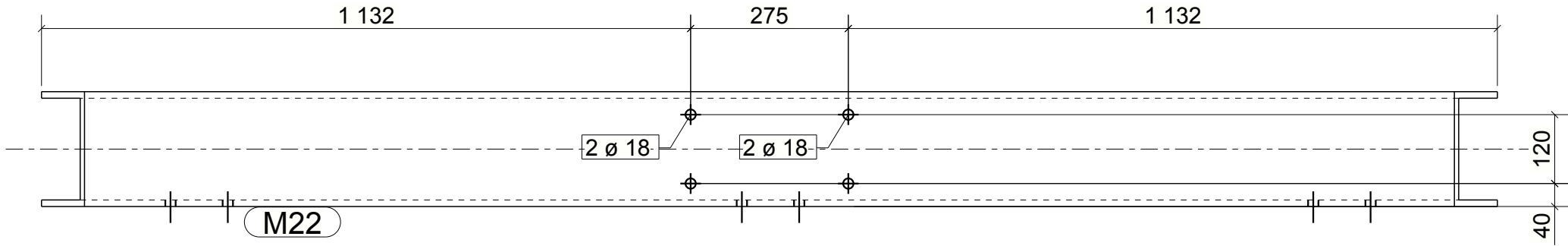
Phase name	Qty
Phase 1	1

General Notes: All steelwork to comply with SANS 2001:CS1 & SANS 1921-3
All profile notches to have 11mm radius unless noted otherwise

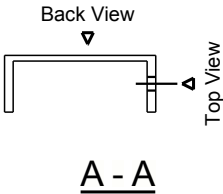
HARD STAMP	QUALITY CONTROL	
YS	NAME:	
	DATE COMPLETE:	
	CHECKED BY:	
	RELEASE DATE	



Top View



Back View



Material list for 1 part named 'Stringer'				
Mark	Profile	Grade	Length	Paint Area
M22	PC200*75	S355JR	2540	1.7
Total for 1 part			2540	1.7

The part shown is required for the following assemblies:-	
1	required for 'Stringer' assemblies marked A20

1	1	FOR CONSTRUCTION	08.10.2025
Rev	Mark	Revision Description	Date



OGILVIE ENGINEERING
COTSWOLD CHECKERS
YARD STEEL STAIR
Cotswold Estate, Hillcrest, Durban KZN

Detailed by
Precise Structural Modelling
Office +27 31 2056906
Cell +27 83 779 1091
rowan@psmod.co.za



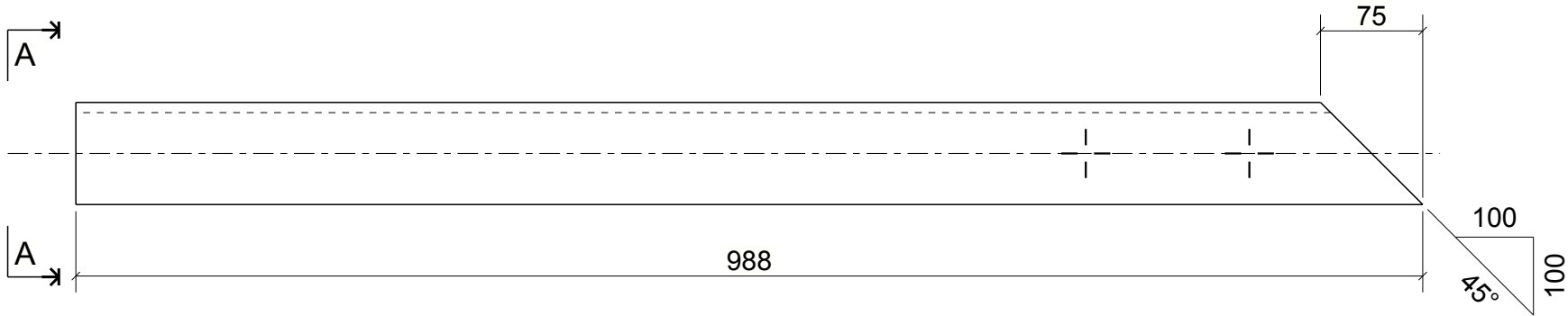
Drawn	J.P.R
Scale	1:10
Issued	
Revised	08.10.2025
Project Number	PSM 25179

Workshop Drawing	W	[M.22]	Rev	1
------------------	---	--------	-----	---

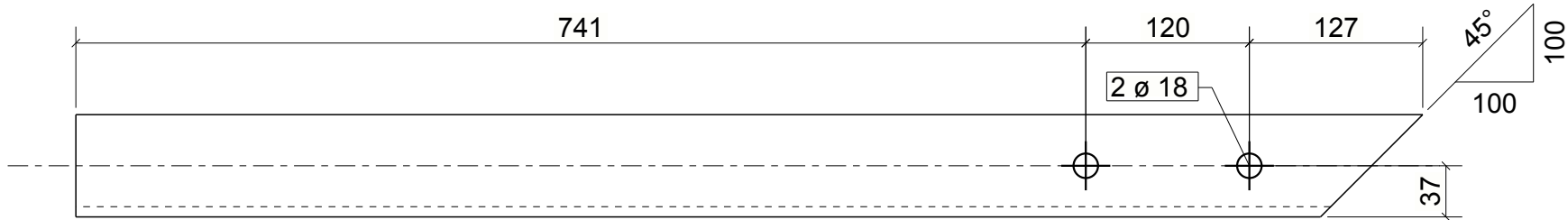
Phase name	Qty
Phase 1	1

General Notes: All steelwork to comply with SANS 2001:CS1 & SANS 1921-3
All profile notches to have 11mm radius unless noted otherwise

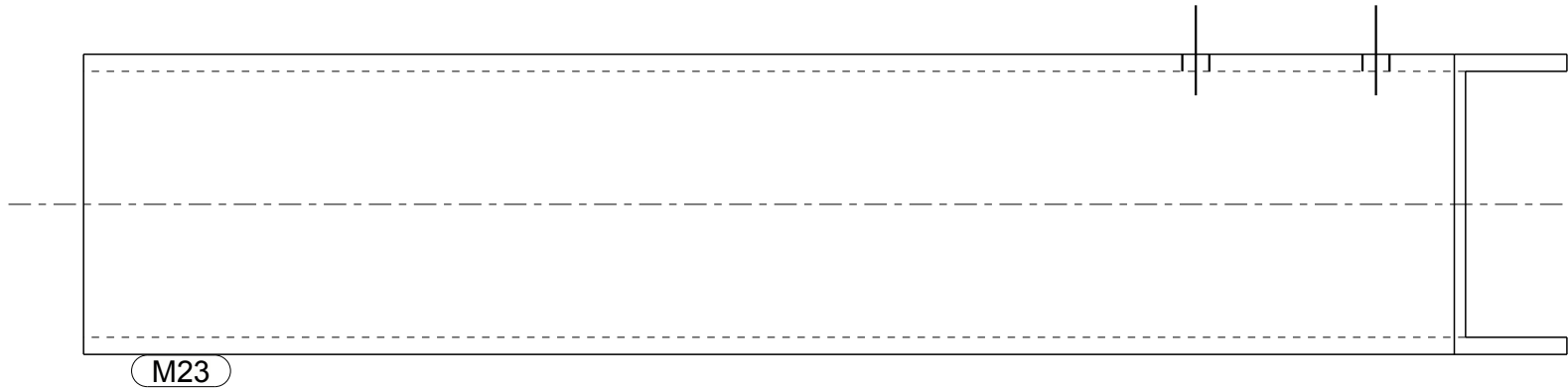
HARD STAMP	QUALITY CONTROL	
YS	NAME:	
	DATE COMPLETE:	
	CHECKED BY:	
	RELEASE DATE	



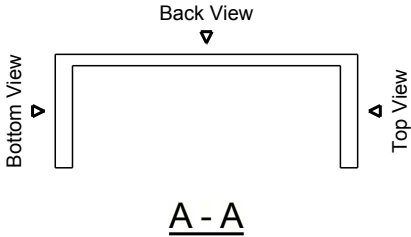
Top View



Bottom View



Back View



Material list for 1 part named 'Stringer'				
Mark	Profile	Grade	Length	Paint Area
M23	PC200*75	S355JR	988	0.7
Total for 1 part			988	0.7

The part shown is required for the following assemblies:-			
1	required for 'Stringer' assemblies marked A20		

1	1	FOR CONSTRUCTION	08.10.2025
Rev	Mark	Revision Description	Date



OGILVIE ENGINEERING
COTSWOLD CHECKERS
YARD STEEL STAIR
Cotswold Estate, Hillcrest, Durban KZN

Detailed by
Precise Structural Modelling

Office +27 31 2056906
Cell +27 83 779 1091
rowan@psmod.co.za

Drawn J.P.R.
Scale 1:5

Issued
Revised 08.10.2025

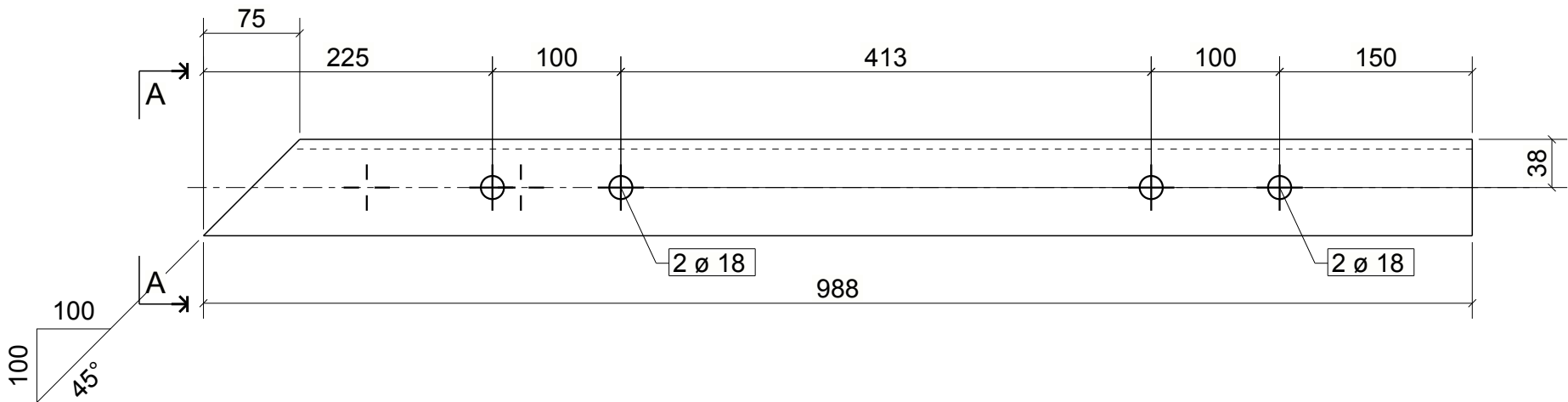
Project Number
PSM 25179

Workshop Drawing W [M.23] Rev 1

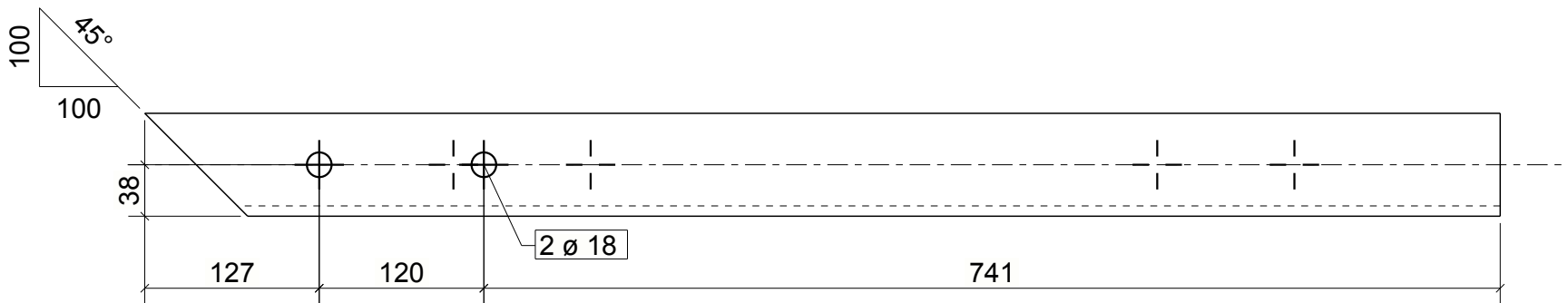
Phase name	Qty
Phase 1	1

General Notes: All steelwork to comply with SANS 2001:CS1 & SANS 1921-3
All profile notches to have 11mm radius unless noted otherwise

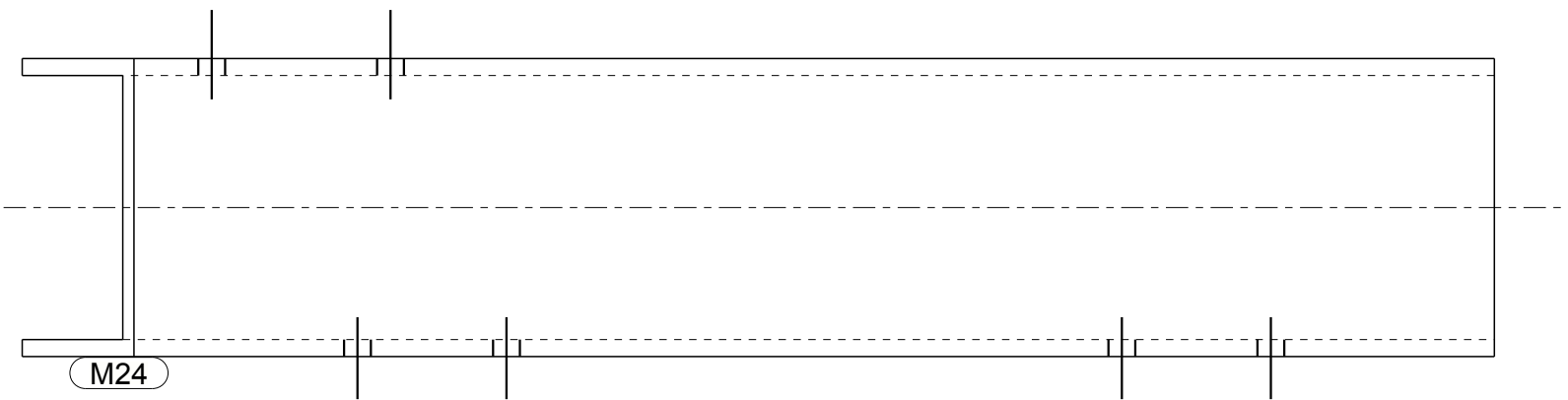
HARD STAMP	QUALITY CONTROL	
YS	NAME:	
	DATE COMPLETE:	
	CHECKED BY:	
	RELEASE DATE	



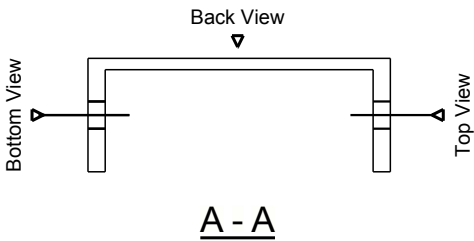
Top View



Bottom View



Back View



Material list for 1 part named 'Stringer'				
Mark	Profile	Grade	Length	Paint Area
M24	PC200*75	S355JR	988	0.7
Total for 1 part			988	0.7

The part shown is required for the following assemblies:-
1 required for 'Stringer' assemblies marked A20

Rev	Mark	Revision Description	Date
1	1	FOR CONSTRUCTION	08.10.2025



OGILVIE ENGINEERING
COTSWOLD CHECKERS
YARD STEEL STAIR
Cotswold Estate, Hillcrest, Durban KZN

Detailed by
Precise Structural Modelling
Office +27 31 2056906
Cell +27 83 779 1091
rowan@psmod.co.za



Workshop Drawing

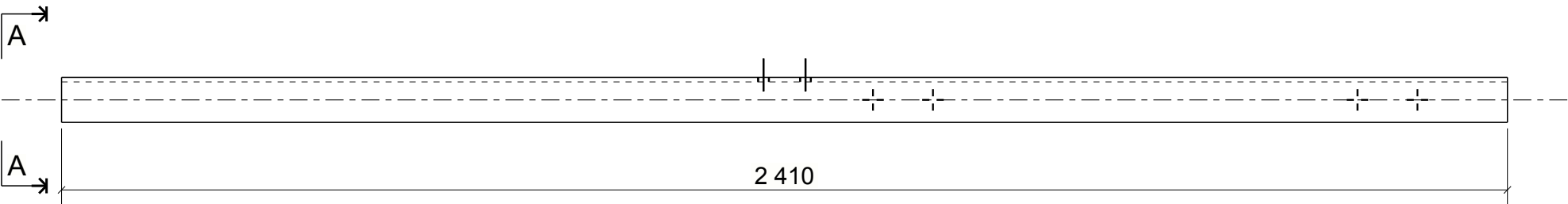
Drawn	J.P.R
Scale	1:5
Issued	
Revised	08.10.2025
Project Number	PSM 25179

W [M.24] Rev 1

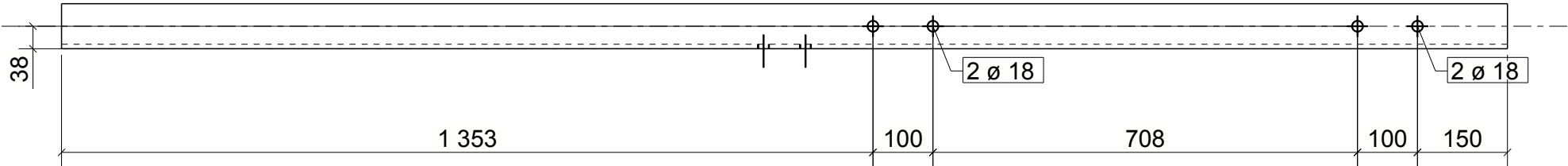
Phase name	Qty
Phase 1	1

General Notes: All steelwork to comply with SANS 2001:CS1 & SANS 1921-3
All profile notches to have 11mm radius unless noted otherwise

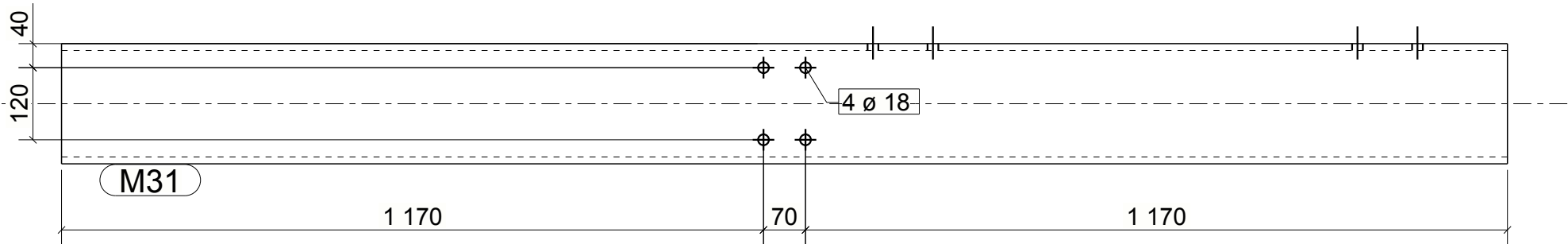
HARD STAMP	QUALITY CONTROL	
YS	NAME:	
	DATE COMPLETE:	
	CHECKED BY:	
	RELEASE DATE	



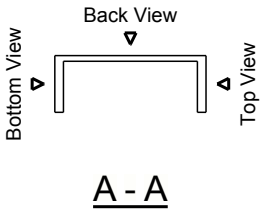
Top View



Bottom View



Back View



Material list for 1 part named 'Beam'					
Mark	Profile	Grade	Length	Paint Area	Mass
M31	PC200*75	S355JR	2410	1.6	58.6
Total for 1 part			2410	1.6	58.6

The part shown is required for the following assemblies:-
1 required for 'Beam' assemblies marked A21

1	1	FOR CONSTRUCTION	08.10.2025
Rev	Mark	Revision Description	Date



OGILVIE ENGINEERING
COTSWOLD CHECKERS
YARD STEEL STAIR
Cotswold Estate, Hillcrest, Durban KZN

Detailed by
Precise Structural Modelling
Office +27 31 2056906
Cell +27 83 779 1091
rowan@psmod.co.za



Workshop Drawing

Drawn	J.P.R
Scale	1:10
Issued	
Revised	08.10.2025
Project Number	PSM 25179

W [M.31] Rev 1