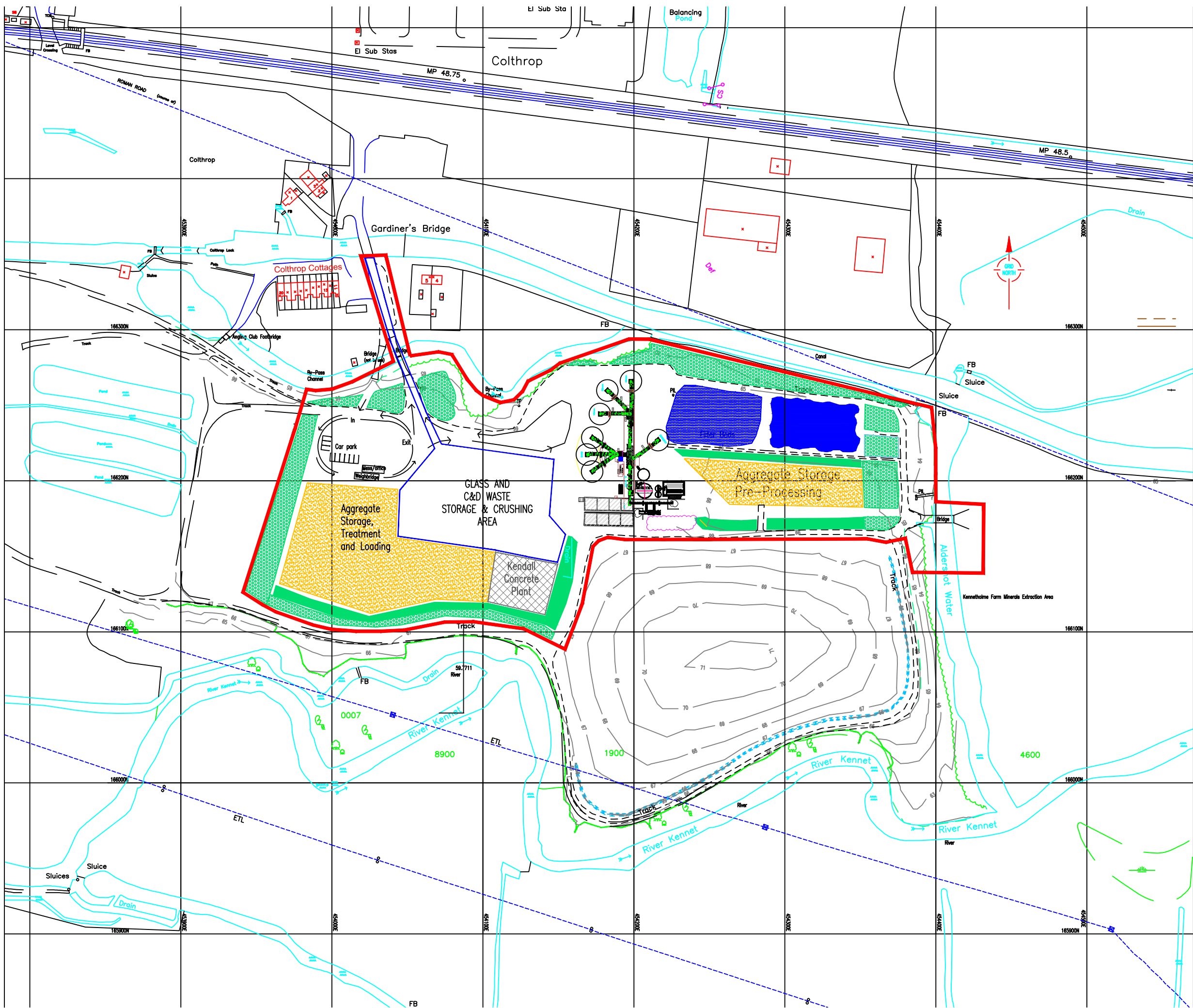




- Key
- Colthrop
 - Glass and C&D Waste Recycling

Issue	Date	Comments
Notes		

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Site
COLTHROP PROCESSING PLANT

Project
MINERAL PLANT & SILT PRESS

Title
SITE LAYOUT

Scale 1:2500 @ A3	Date MARCH 2024
----------------------	--------------------

Drawn By MG	Checked By AB
----------------	------------------

Drawing No
DG/QO/CoL/Con36/01



Key

Issue Date Comments

Notes

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Site
COLTHROP PROCESSING PLANT

Project
MINERAL PLANT & SILT PRESS

Title
LAYOUT A

Scale
1:450 @ A3

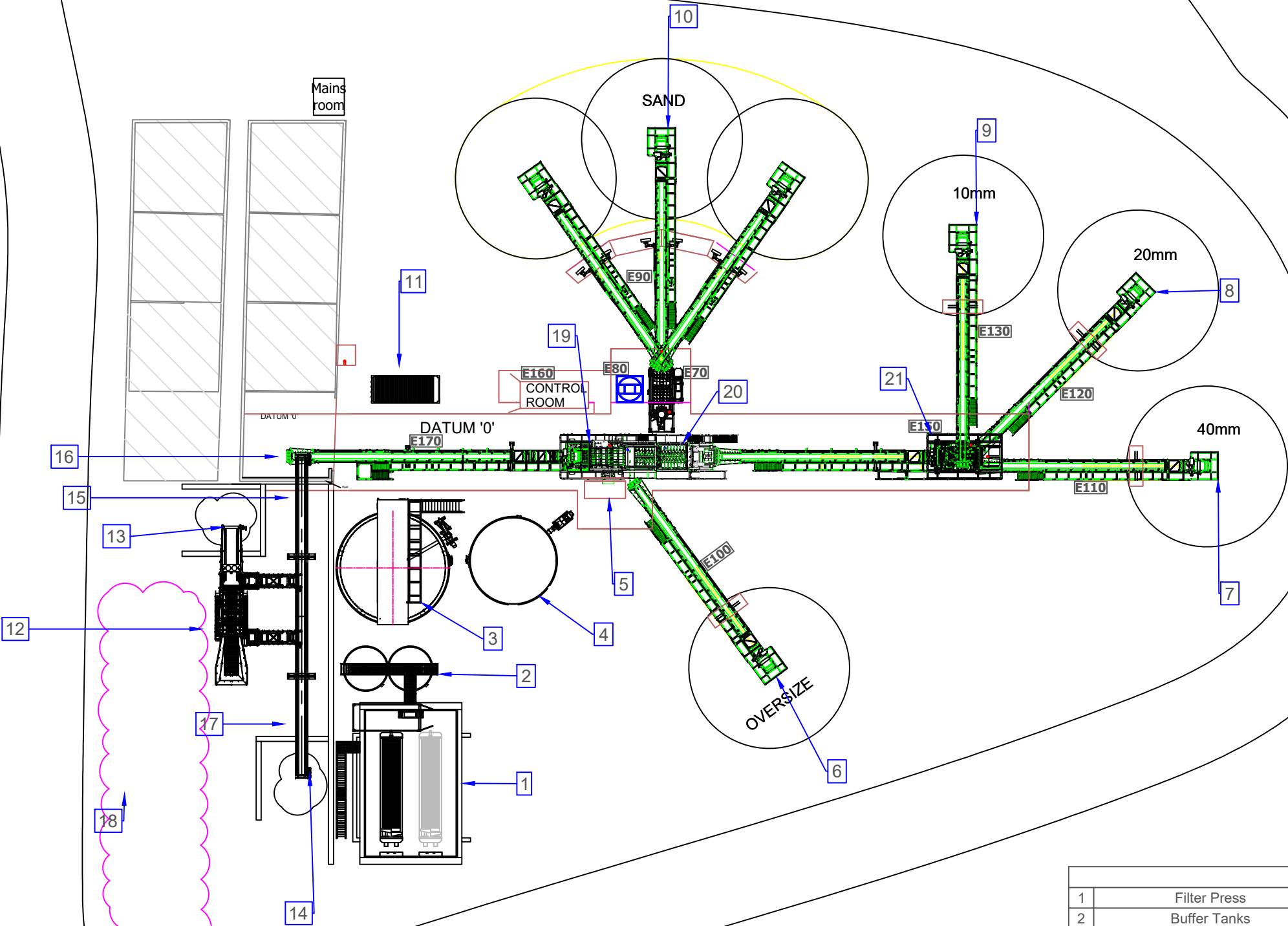
Date
MARCH 2024

Drawn By
BJM

Checked By
AB

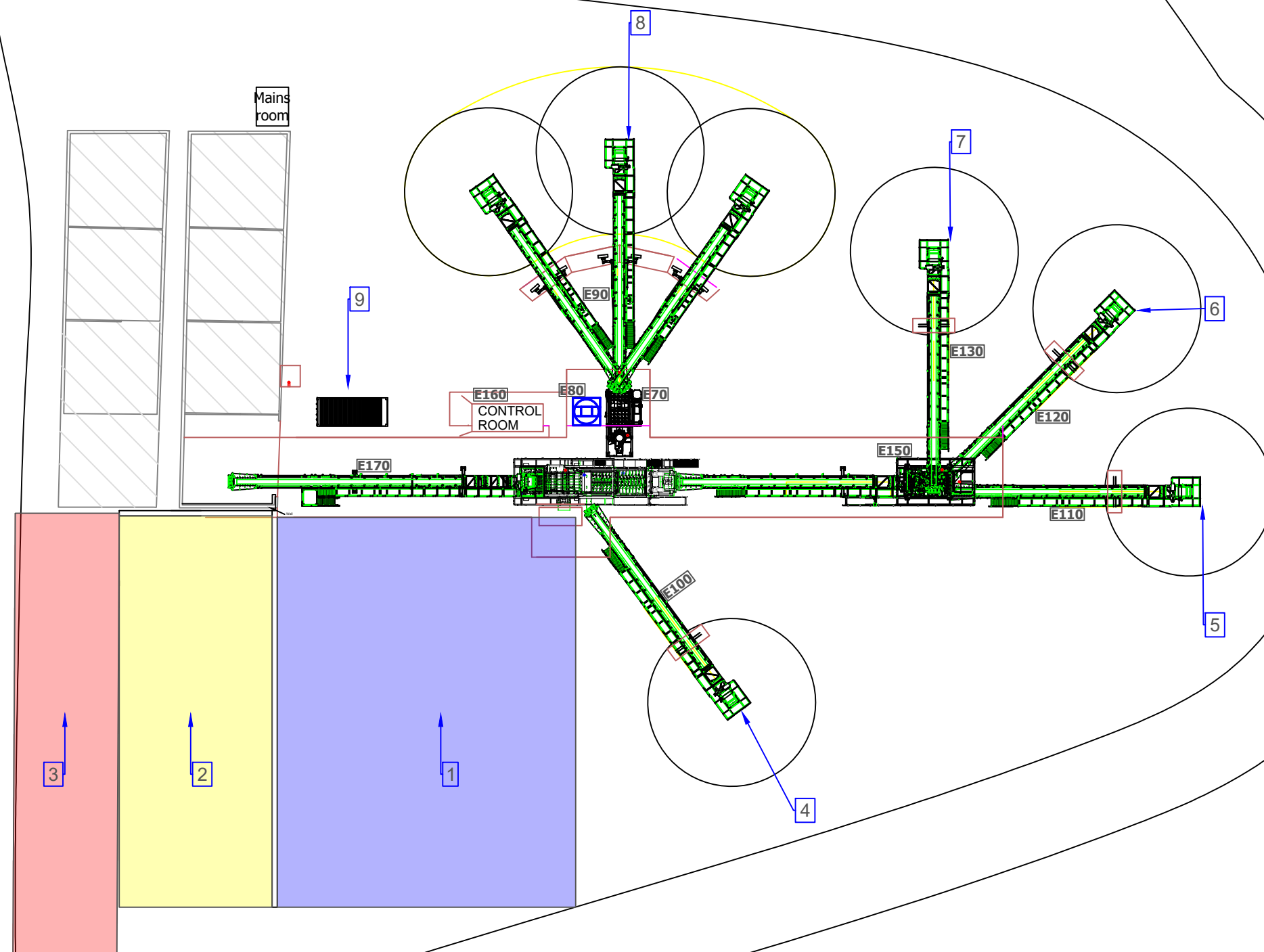
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DG/Q0/CoL/Con36/02A

Key			
1	Filter Press	12	Pre-Screen
2	Buffer Tanks	13	Oversized >80mm
3	Thickener Tank	14	Screened Fines <2mm
4	Water Tank	15	Screened Feedstock Output
5	Trash Bay	16	Feed Belt
6	Oversized >50mm	17	Reversible Fines Belt
7	Output 20-40mm	18	Feed Stockpile
8	Output 10-20mm	19	Rinserdeck
9	Output <10mm	20	Logwash
10	Sand	21	Screendeck
11	Water Treatment Control Room		





Key



Issue Date Comments

Notes

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GRUNDON

Site
COLTHROP PROCESSING PLANT

Project
MINERAL PLANT & SILT PRESS

Title
LAYOUT B

Scale
1:450 @ A3

Date
MARCH 2024

Drawn By
BJM

Checked By
AB

Drawing No
DG/Q0/Col/Con36/02B

Key	
1	Water Treatment Area
2	Pre-Screening Area
3	FeedStock Areas
4	Oversized >50mm
5	Output 20-40mm
6	Output 10-20mm
7	Output <10mm
8	Sand
9	Water Treatment Control Room



Key

Maximum height of the processing plant is to remain the same as currently consented

9.97m

18

12

14

1

16

4

19

20

21

Key

1	Filter Press	12	Pre-Screen
2	Buffer Tanks	13	Oversized >80mm
3	Thickener Tank	14	Screened Fines <2mm
4	Water Tank	15	Screened Feedstock Output
5	Trash Bay	16	Feed Belt
6	Oversized >50mm	17	Reversible Fines Belt
7	Output 20-40mm	18	Feed Stockpile
8	Output 10-20mm	19	Rinserdeck
9	Output <10mm	20	Logwash
10	Sand	21	Screendeck
11	Water Treatment Control Room		

GRUNDON

Site
COLTHROP PROCESSING PLANT

Project
MINERAL PLANT & SILT PRESS

Title
ELEVATIONS

Scale
1:350 @ A3

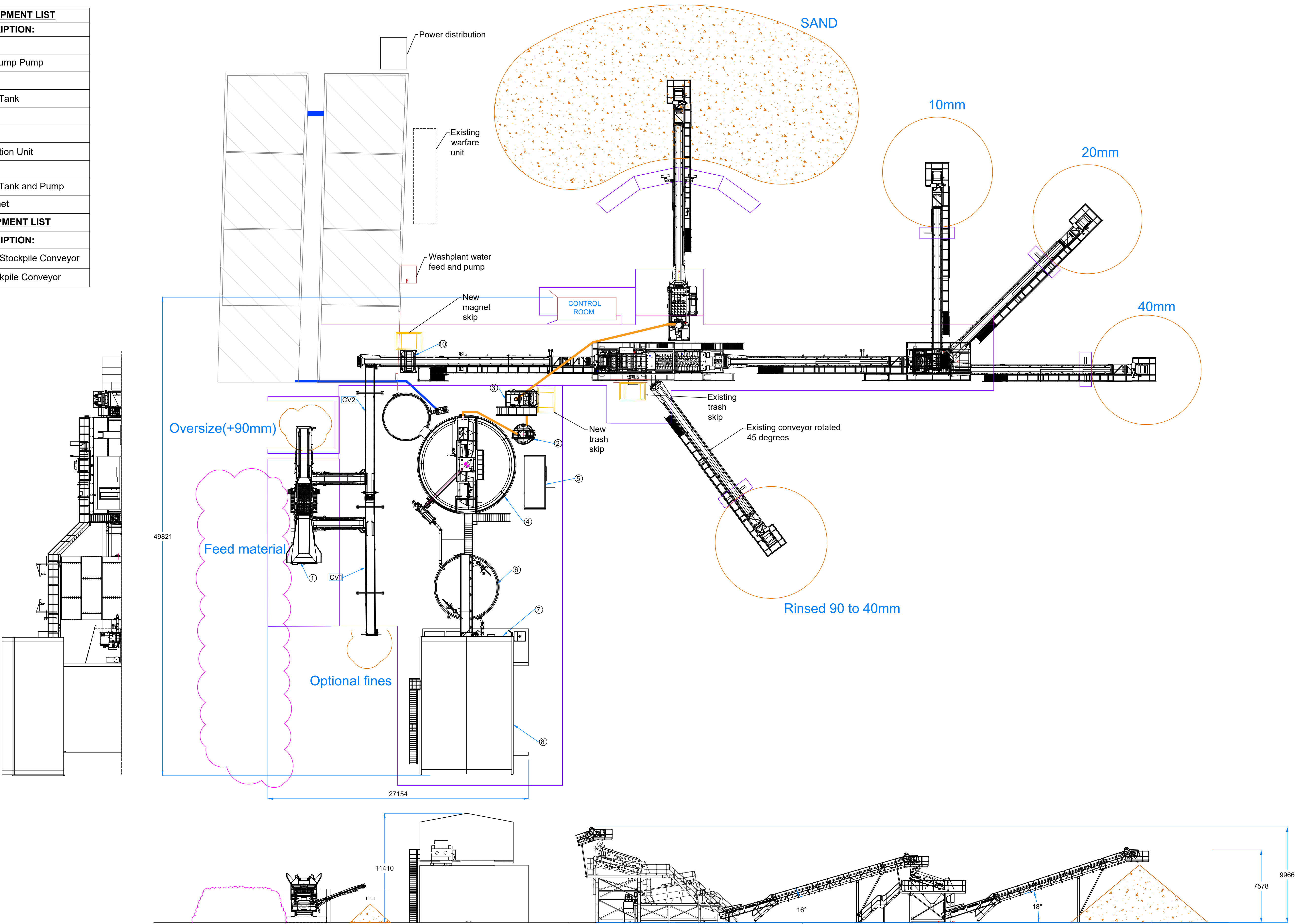
Date
MARCH 2024

Drawn By
BJM

Checked By
AB

Drawing No
DG/Q0/Col/Con36/03

WASH PLANT EQUIPMENT LIST	
PLANT ID:	PLANT DESCRIPTION:
1	Warrior 1400x
2	Vertical Shaft Sump Pump
3	Trash Screen
4	10m Thickener Tank
5	Floc Cabin
6	Sludge Tanks
7	Membrane Inflation Unit
8	Filter Press
9	Clarified Water Tank and Pump
10	Overband magnet
CONVEYOR EQUIPMENT LIST	
PLANT ID:	PLANT DESCRIPTION:
CV1	14m Reversing Stockpile Conveyor
CV2	14m Static Stockpile Conveyor



PowerX Equipment
Site 7 Meriden Park
Corns End Lane
Meriden
CV7 7LG
T: 02476 405 100
www.pxequip.com

Revisions

D	Potable water added and trench to existing control room	18/06/2025	M.Clarke	J.Clements
C	Civils updated from MS drawings	09/06/25	M.Clarke	J.Clements
B	Ducting Layout Added	14/05/25	M.Clarke	J.Clements
A	Civil Layout	22/04/25	M.Clarke	J.Clements
Rev	Notes	Date:	Drawn by:	Checked by:

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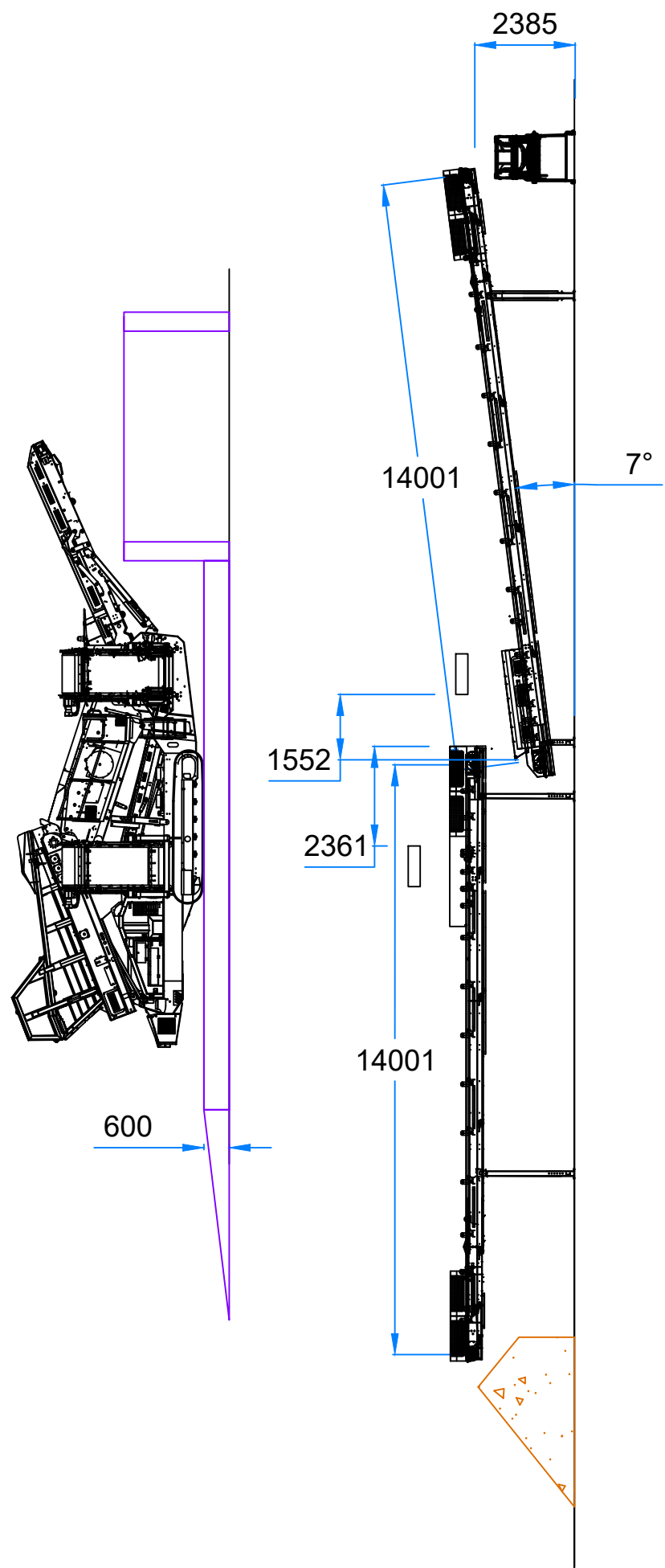
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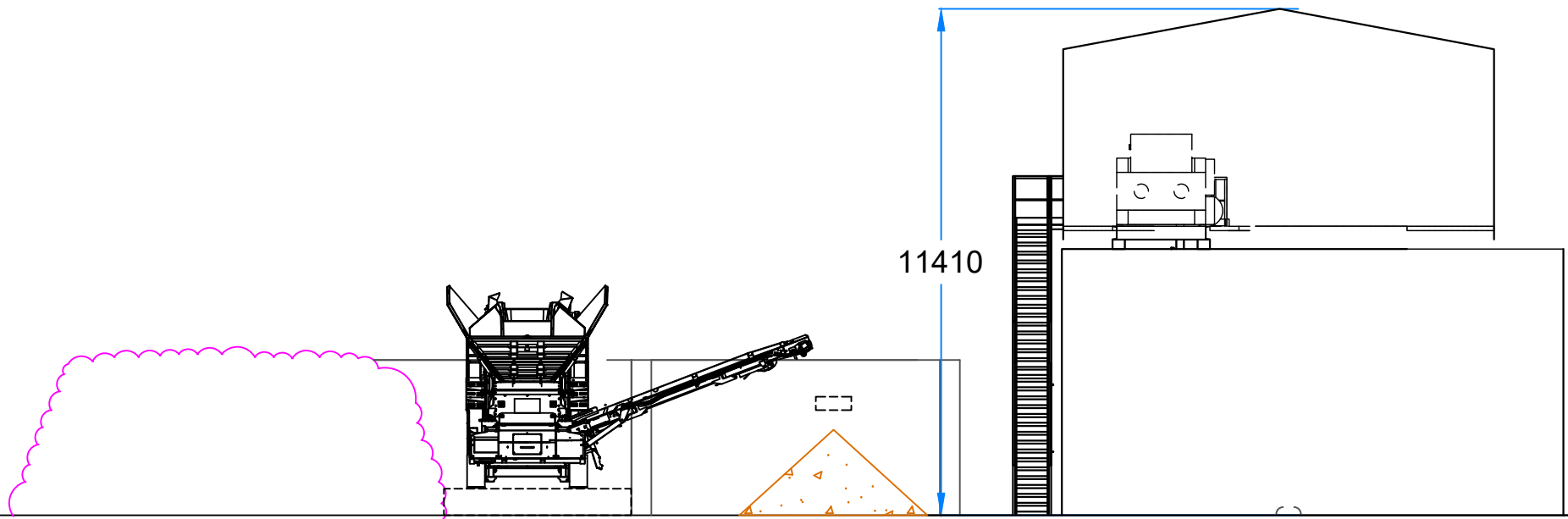
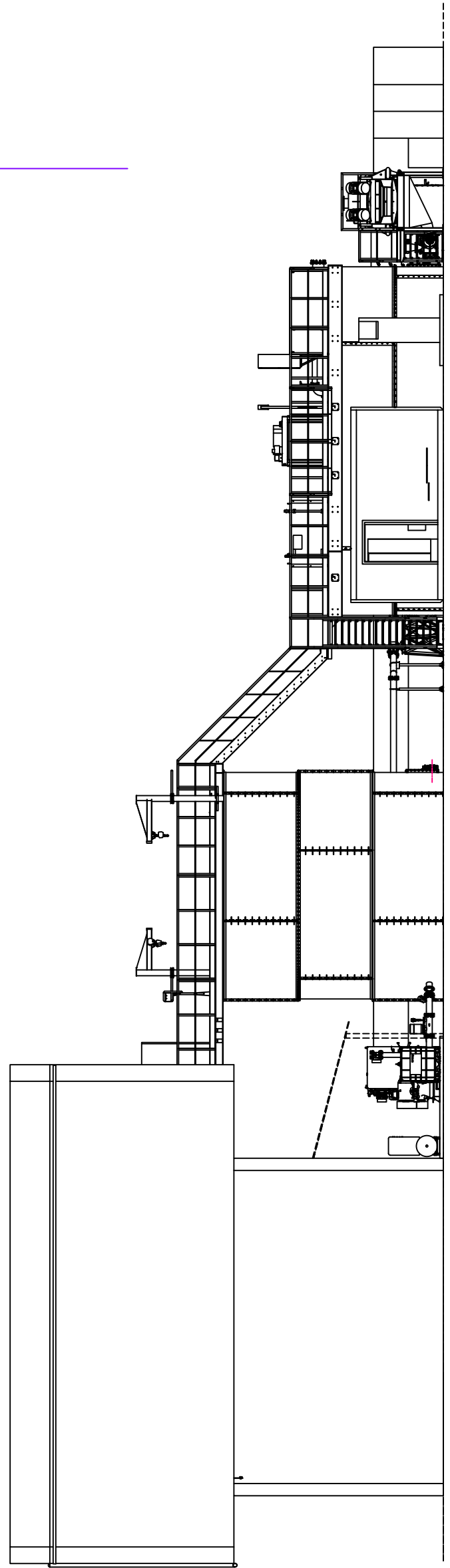
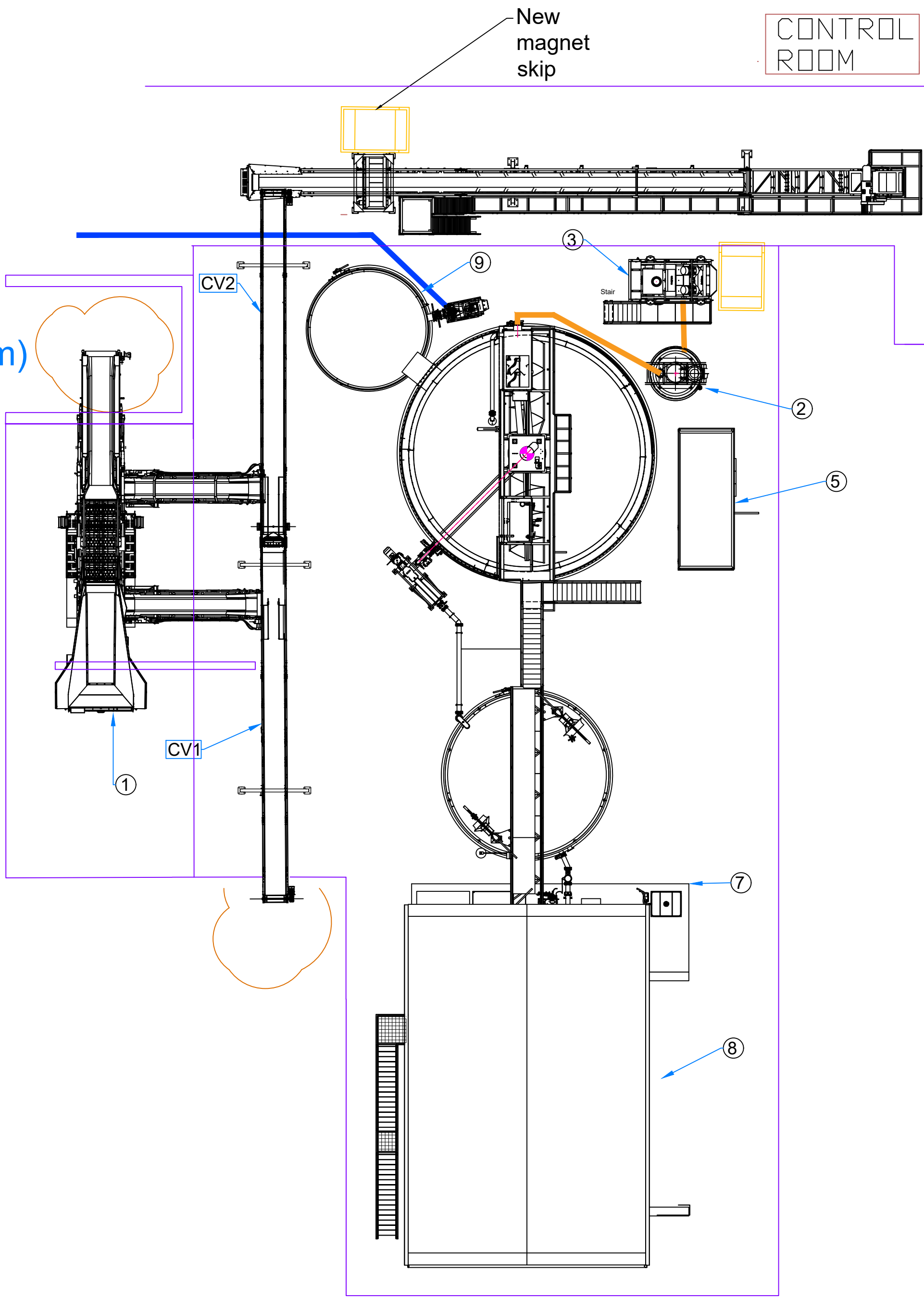
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Customer:	Grundon	Sheet No:	Page 1 of 7
Drawing No.	E2300-PGA-001 - 01	Description:	PLANT
		Sheet Size:	A3

ALL LEADING DIMENSIONS IN METRIC (mm). TRAILING DIMENSIONS IN IMPERIAL (ft, inch) UNLESS OTHERWISE STATED.

WASH PLANT EQUIPMENT LIST	
PLANT ID:	PLANT DESCRIPTION:
1	Warrior 1400x
2	Vertical Shaft Sump Pump
3	Trash Screen
4	10m Thickener Tank
5	Floc Cabin
6	Sludge Tanks
7	Membrane Inflation Unit
8	Filter Press
9	Clarified Water Tank and Pump
10	Overband magnet
CONVEYOR EQUIPMENT LIST	
PLANT ID:	PLANT DESCRIPTION:
CV1	14m Reversing Stockpile Conveyor
CV2	14m Static Stockpile Conveyor



Oversize(+90mm)



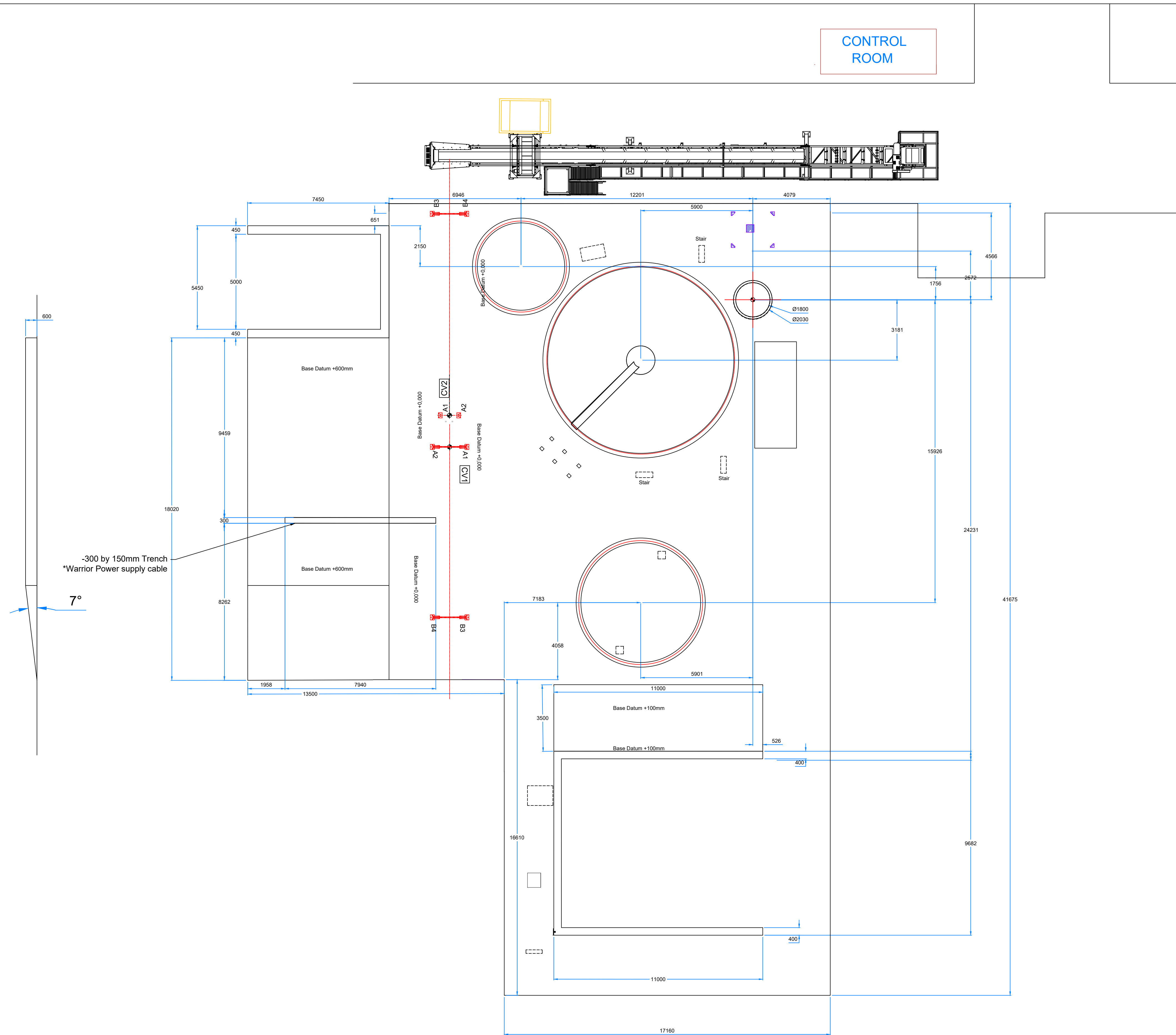
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Cornets End Lane
Meriden
CV7 7LG
T: 02476 405 100
www.pxequip.com

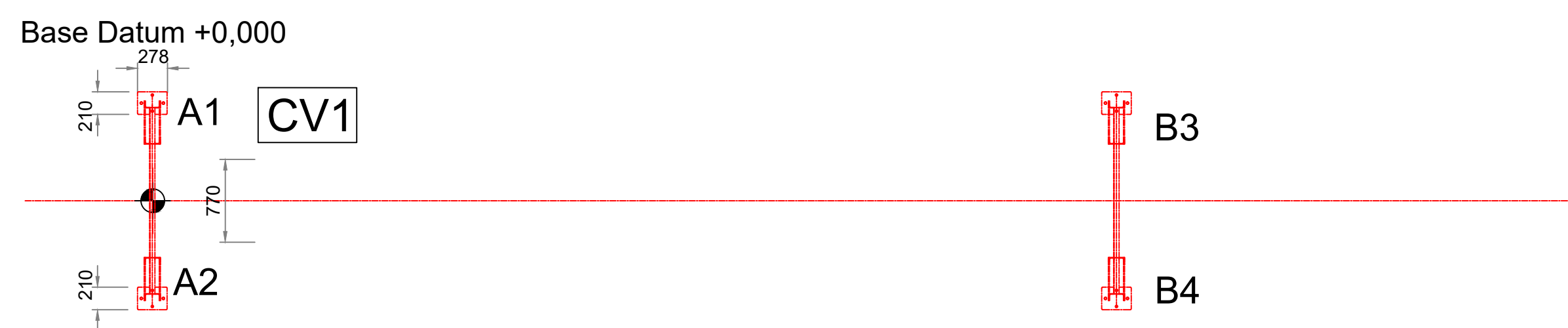
Revisions					© THIS DOCUMENT IS THE COPYRIGHT OF POWERX EQUIPMENT LTD. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE COMPANY.				Site Ref:	Kennetholme		Scale:	N.T.S	
	D	Potable water added and trench to existing control room			18/06/2025	M.Clarke	J.Clements	Notes:	Revision <					

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PLOT DATE: 18/06/2025 9:38:16 AM
SAVED BY: MATTHEW

ALL LEADING DIMENSIONS IN METRIC (mm). TRAILING DIMENSIONS IN IMPERIAL (ft, inch) UNLESS OTHERWISE STATED.





CONVEYOR BASE

**ASSUME TOTAL MASS SPREAD EVENLY ACROSS ALL SOLID
FILLED AREAS. NOTE: NO ALLOWANCE HAS BEEN MADE FOR
WIND LOADING**



CONVEYOR BASE

**ASSUME TOTAL MASS SPREAD EVENLY ACROSS ALL SOLID
FILLED AREAS.NOTE: NO ALLOWANCE HAS BEEN MADE FOR
WIND LOADING**

**ASSUME TOTAL MASS
SPREAD EVENLY ACROSS
ALL SOLID FILLED AREAS.
NOTE: NO ALLOWANCE
HAS BEEN MADE FOR
WIND LOADING.**



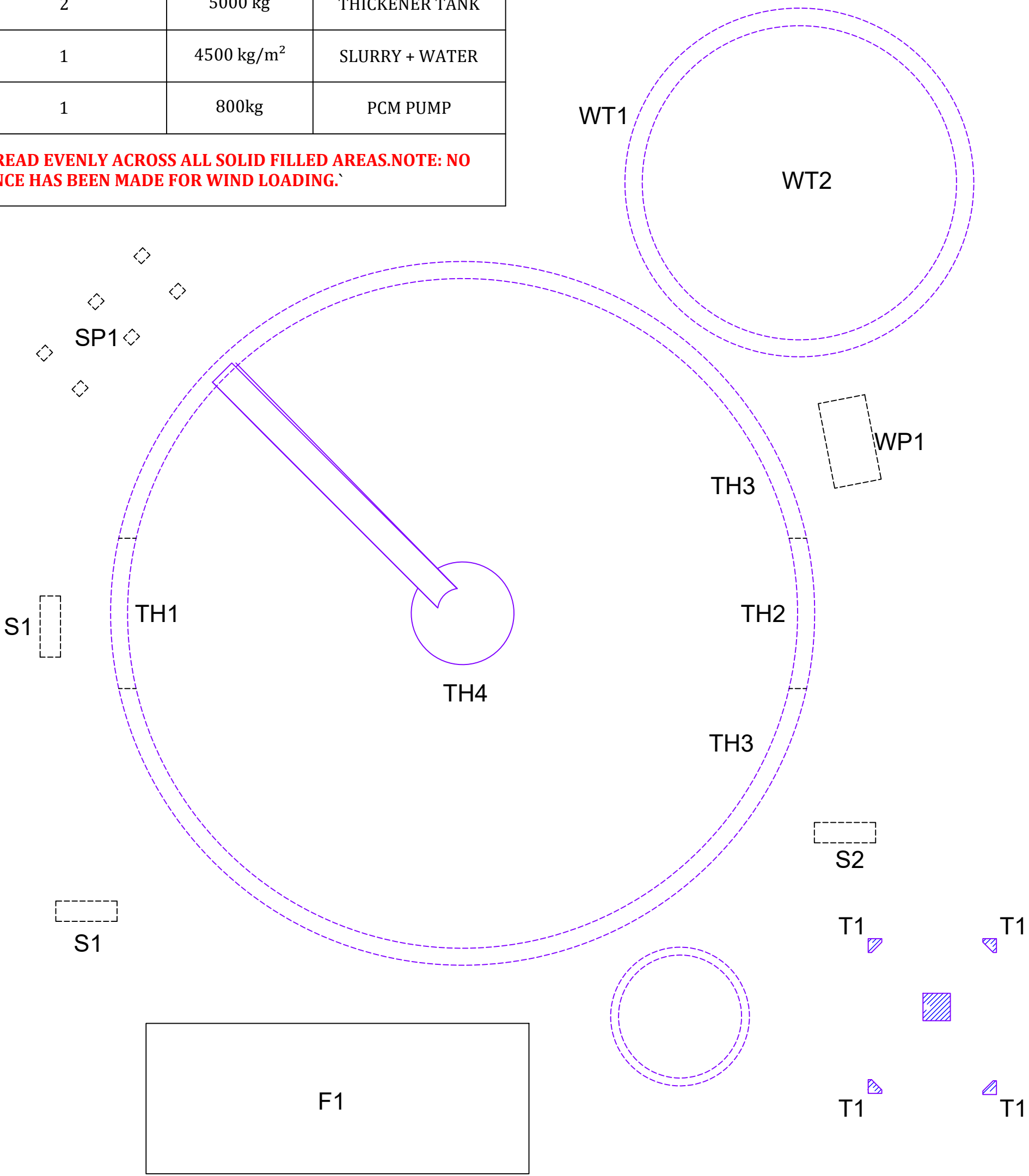
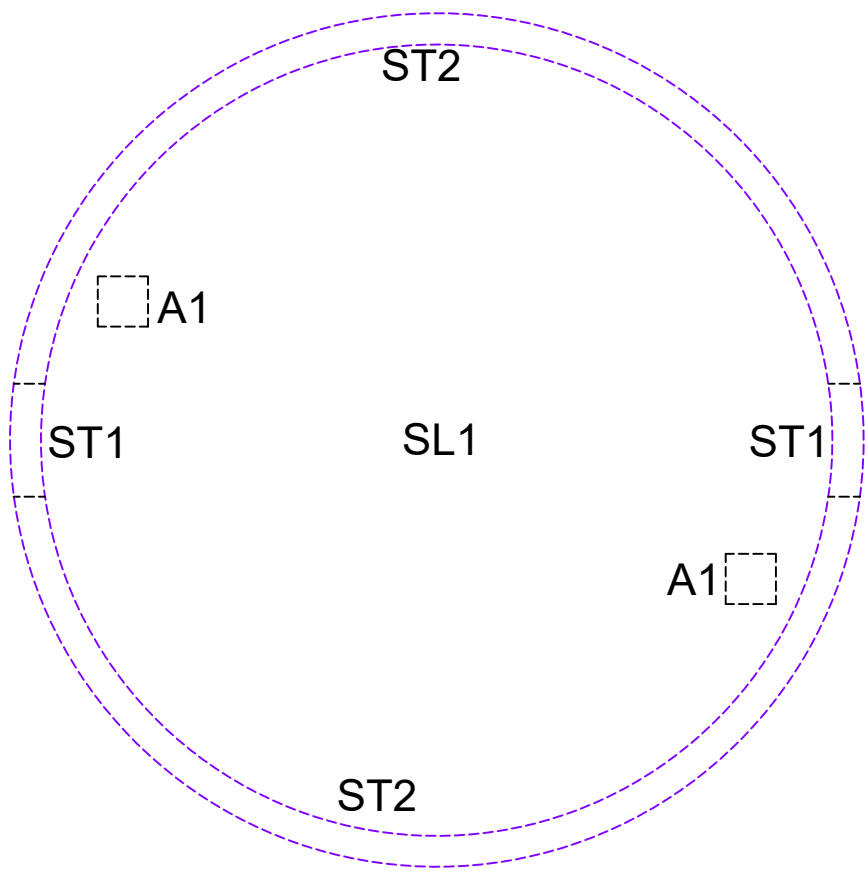
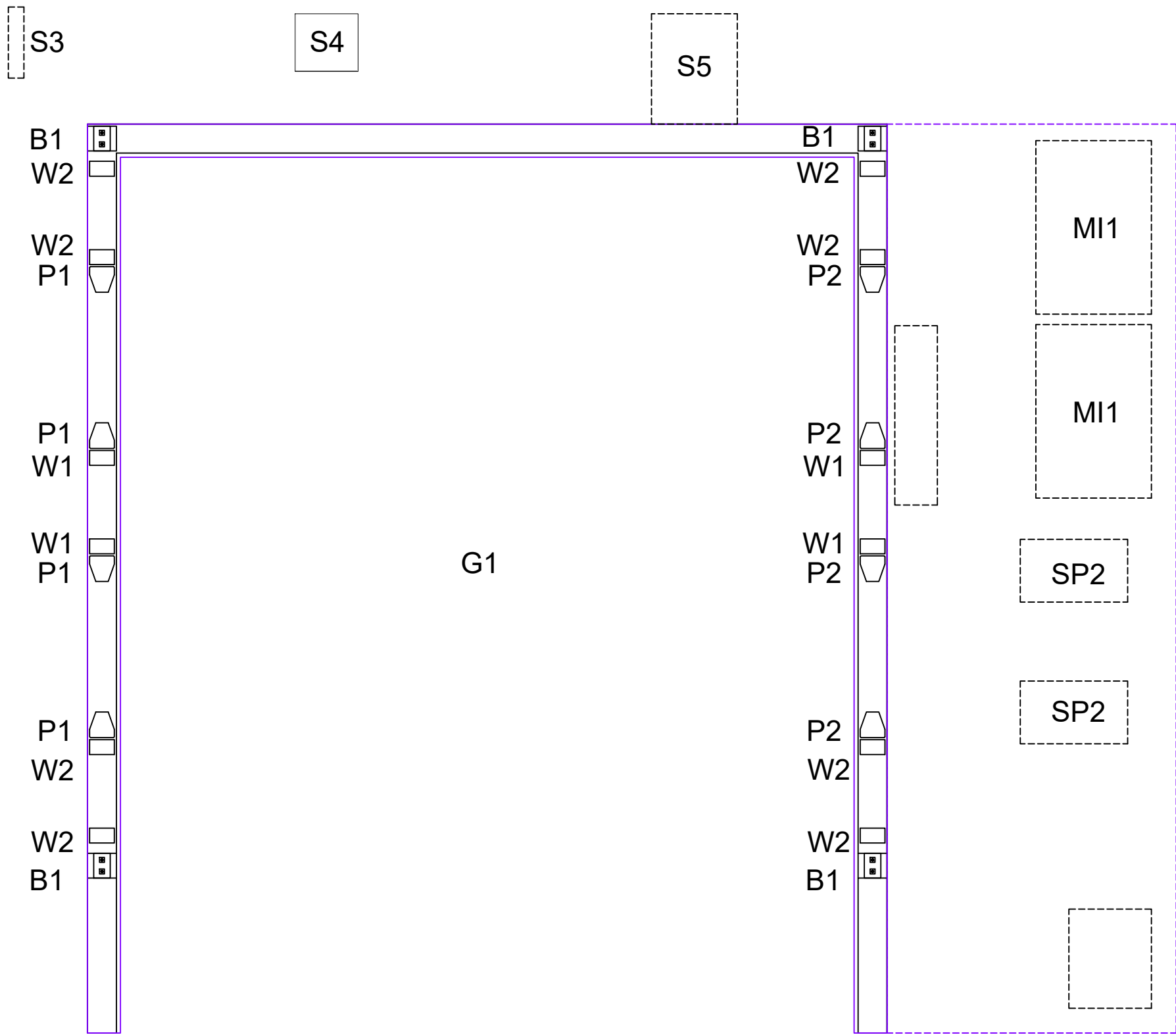
Revisions	D	Potable water added and trench to existing control room	18/06/2025	M. Clarke	J. Clements	© THIS DOCUMENT IS THE COPYRIGHT OF POWERX EQUIPMENT LTD. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE COMPANY.	Revision	Site Ref:	Kennetholme	Scale:	N.T.S			
	C	Civils updated from MS drawings	09/06/25	M. Clarke	J. Clements			Notes:	Customer:	Grundon	Sheet No:	Page 4 of 7		
	B	Ducting Layout Added	14/05/25	M. Clarke	J. Clements			FILE PATH: X:\Equipment\E2300-E2399\E2300_JC Grundon Kennetholme.d NOT DATE: 18/06/2025 9:30 AM SAVED BY: MATTHEW	Drawing No.	E2300-PGA-001 - 04	Description:	CONVEYOR	Sheet Size:	A3
	A	Civil Layout	22/04/25	M. Clarke	J. Clements									
	Rev	Notes	Date:	Drawn by:	Checked by:									

ALL LEADING DIMENSIONS IN METRIC (mm). TRAILING DIMENSIONS IN IMPERIAL (ft. inch) UNLESS OTHERWISE STATED.

PRESS STRUCTURE			
BASE NO.	QTY	LOAD	DESCRIPTION
G1	1	8000 kg/m ²	FILTER CAKE
B1	4	4500 kg	PRESS BUILDING
W1	12	1800 kg	PRESS WALKWAYS
P1	4	12000 kg	FILTER PRESS
P2	4	9000 kg	FILTER PRESS
ASSUME TOTAL MASS SPREAD EVENLY ACROSS ALL SOLID FILLED AREAS.NOTE: NO ALLOWANCE HAS BEEN MADE FOR WIND LOADING.'			

PUMP BUILDING			
BASE NO.	QTY	LOAD	DESCRIPTION
MI1	2	7600 kg	MEMBRANE INFLATING TANK
SP2	2	1600 kg	SLURRY PUMP
ASSUME TOTAL MASS SPREAD EVENLY ACROSS ALL SOLID FILLED AREAS.NOTE: NO ALLOWANCE HAS BEEN MADE FOR WIND LOADING.'			

THICKENER AND WATER TANK			
BASE NO.	QTY	LOAD	DESCRIPTION
WT1	1	1600 kg	WATER TANK
WT2	1	2750 kg/m ²	WATER
WP1	1	1100 kg	WATER PUMP
TH1	1	8300 kg	THICKENER TANK +BRIDGE
TH2	1	13100 kg	THICKENER WALKWAY
TH3	2	5000 kg	THICKENER TANK
TH4	1	4500 kg/m ²	SLURRY + WATER
SP1	1	800kg	PCM PUMP
ASSUME TOTAL MASS SPREAD EVENLY ACROSS ALL SOLID FILLED AREAS.NOTE: NO ALLOWANCE HAS BEEN MADE FOR WIND LOADING.'			



SITE			
BASE NO.	QTY	LOAD	DESCRIPTION
S1	2	700 kg	STAIRS
S2	1	300 kg	STAIRS
S3	1	300 kg	STAIRS
S4	1	900 kg	STAIRS
S5	1	1000 kg	STAIRS
F1	1	4500 kg	FLOC CABIN
ASSUME TOTAL MASS SPREAD EVENLY ACROSS ALL SOLID FILLED AREAS.NOTE: NO ALLOWANCE HAS BEEN MADE FOR WIND LOADING.'			

SLUDGE TANK			
BASE NO.	QTY	LOAD	DESCRIPTION
ST1	2	6000 kg	SLUDGE TANK WALKWAY
ST2	2	5500 kg	SLUDGE TANK
A1	2	800 kg	AGITATORS
SL1	1	9600 kg/m ²	SLUDGE
ASSUME TOTAL MASS SPREAD EVENLY ACROSS ALL SOLID FILLED AREAS.NOTE: NO ALLOWANCE HAS BEEN MADE FOR WIND LOADING.'			

TRASH SCREEN			
BASE NO.	QTY	LOAD	DESCRIPTION
T1	4	1000 kg	TRASHSCREEN
ASSUME TOTAL MASS SPREAD EVENLY ACROSS ALL SOLID FILLED AREAS.NOTE: NO ALLOWANCE HAS BEEN MADE FOR WIND LOADING.'			



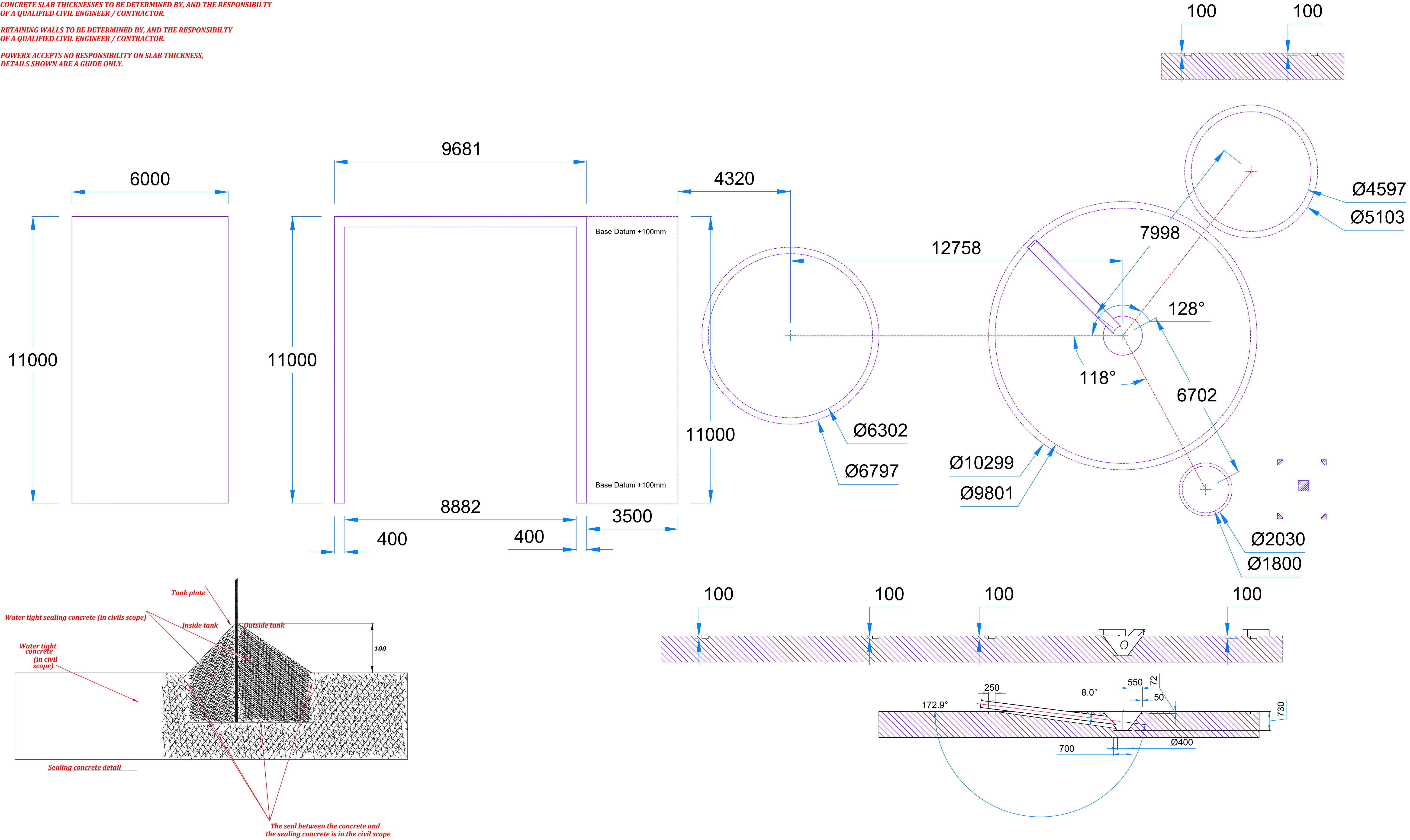
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Revisions	D	Potable water added and trench to existing control room	18/06/2025	M.Clarke	J.Clements	© THIS DOCUMENT IS THE COPYRIGHT OF POWERX EQUIPMENT LTD. IT MUST NOT BE LOANED, COPIED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE COMPANY. Notes:	Revision D	Site Ref: Kennetholme	Scale: N.T.S
	C	Civils updated from MS drawings	09/06/25	M.Clarke	J.Clements			Customer: Grudon	Sheet No: Page 5 of 7
	B	Ducting Layout Added	14/05/25	M.Clarke	J.Clements			Drawing No. E2300-PGA-001 - 05	Description: WATER TREATMENT LOADS
	A	Civil Layout	22/04/25	M.Clarke	J.Clements				Sheet Size: A3
	Rev	Notes	Date:	Drawn by:	Checked by:	FILE PATH: K:\Equipment\E2300-E2399\E2300_KC Grudon Kennetholme3_Technical\2 Drawings\2.3 Project GA PLOT DATE: 18/06/2025 9:38:29 AM SAVED BY: MATTHEW			ALL LEADING DIMENSIONS IN METRIC (mm). TRAILING DIMENSIONS IN IMPERIAL (ft, inch) UNLESS OTHERWISE STATED.

CONCRETE SLAB THICKNESSES TO BE DETERMINED BY, AND THE RESPONSIBILTY OF A QUALIFIED CIVIL ENGINEER / CONTRACTOR.

RETAINING WALLS TO BE DETERMINED BY, AND THE RESPONSIBILTY OF A QUALIFIED CIVIL ENGINEER / CONTRACTOR.

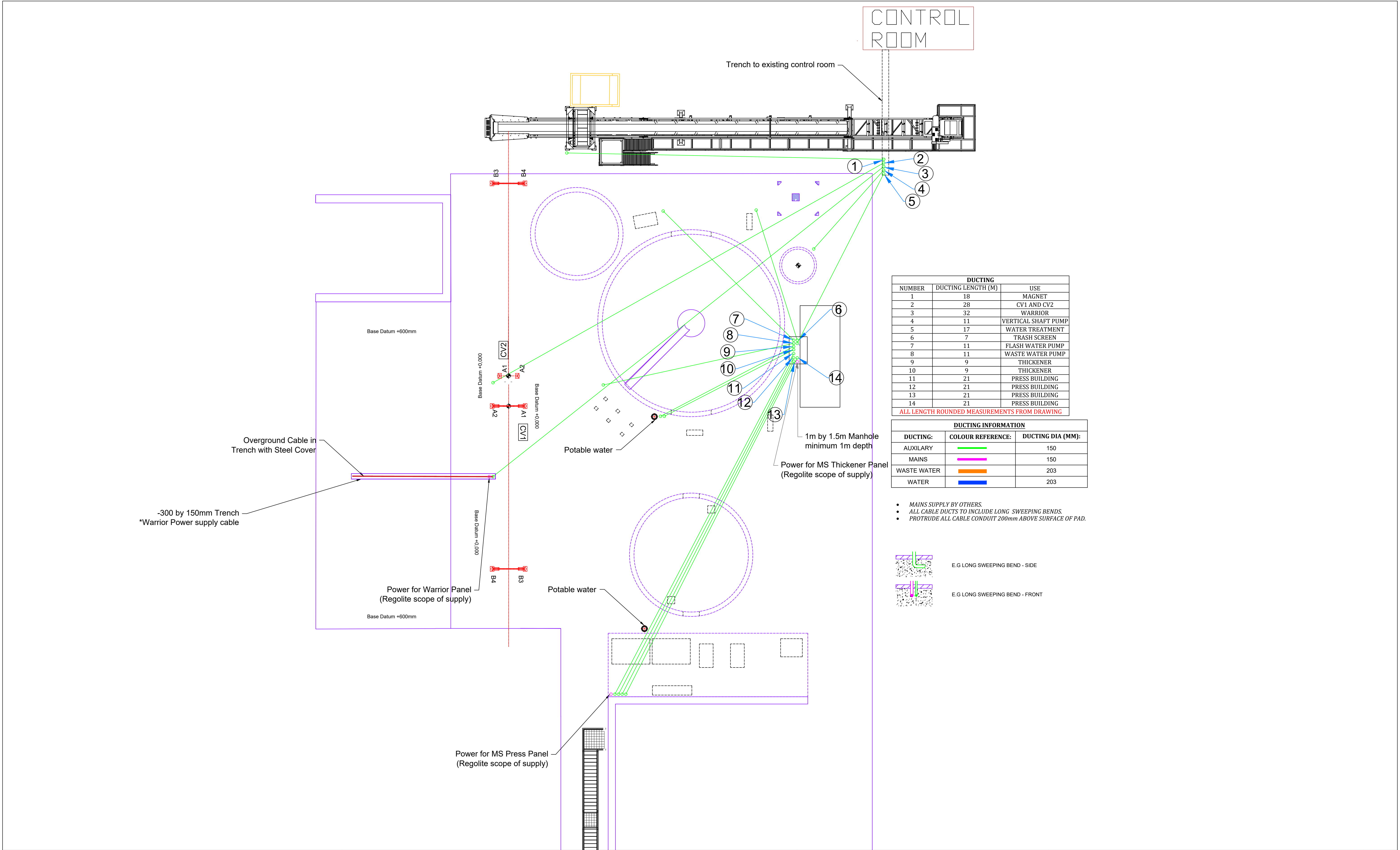
POWERX ACCEPTS NO RESPONSIBILITY ON SLAB THICKNESS, DETAILS SHOWN ARE A GUIDE ONLY.



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Revisions	D	Potable water added and trench to existing control room	18/06/2025	M.Clarke	J.Clements	Notes: FILE PATH: K:\Equipment\2300-E2300-2300-XI Grondon Kennetholme3_Technical\2.3 Drawings\2.3.3 Project GA PLOT DATE: 18/06/2025 9:38:32 AM SAVED BY: MATTHEW	Revision D	Site Ref: Kennetholme	Scale: N.T.S
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	B	Ducting Layout Added	14/05/25	M.Clarke	J.Clements			Drawing No. E2300-PGA-001 - 06	Sheet Size: A3
	A	Civil Layout	22/04/25	M.Clarke	J.Clements			Description: WATER TREATMENT CIVILS	
	Rev	Notes	Date:	Drawn by:	Checked by:				

ALL LEADING DIMENSIONS IN METRIC (mm). TRAILING DIMENSIONS IN IMPERIAL (ft, inch) UNLESS OTHERWISE STATED.



DUCTING		
NUMBER	DUCTING LENGTH (M)	USE
1	18	MAGNET
2	28	CV1 AND CV2
3	32	WARRIOR
4	11	VERTICAL SHAFT PUMP
5	17	WATER TREATMENT
6	7	TRASH SCREEN
7	11	FLASH WATER PUMP
8	11	WASTE WATER PUMP
9	9	THICKENER
10	9	THICKENER
11	21	PRESS BUILDING
12	21	PRESS BUILDING
13	21	PRESS BUILDING
14	21	PRESS BUILDING

DUCTING INFORMATION		
DUCTING:	COLOUR REFERENCE:	DUCTING DIA (MM):
AUXILARY		150
MAINS		150
WASTE WATER		203
WATER		203

- MAINS SUPPLY BY OTHERS.
- ALL CABLE DUCTS TO INCLUDE LONG SWEEPING BENDS.
- PROTRUDE ALL CABLE CONDUIT 200mm ABOVE SURFACE OF PAD.

