

**USED DAVY TANDEM 4 STAND**  
**4 HIGH TANDEM MILL**

Prepared by:

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# Content:

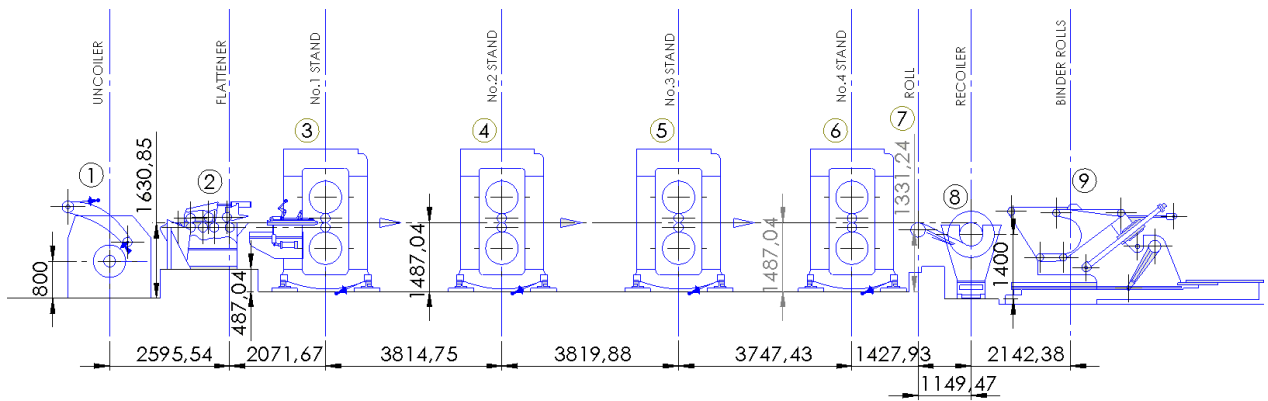
1. Technical Specifications
2. Equipment List
3. Layout & Foundation
4. Line Photos

# 1. Technical Specifications:

Unit Name		Tandem Mill				
Manufacturer		Davy				
Installed		1952				
A.G.C		1974				
Eccentricity control		1995				
Back up roll diameter – Max		762mm				
Back up roll diameter – Min		711mm				
Work roll diameter - Max		266.55mm				
Work roll diameter – Min		244.65mm				
Width incoming – Max		430mm but never been able to go over 400mm wide				
Width incoming – Min		140mm				
Input gauge – Max		5.6mm				
Input gauge – Min		1.6mm				
Finished gauge - Max		2.5mm				
Finished gauge - Min		0.38mm				
Coil O.D. incoming – Max		1880mm				
Uncoiler mandrel diameter		508mm				
Recoiler mandrel diameter		508mm				
Coil weight Max		6 Tons				
Line speed (m/min) – average		653				
Roll coolant		4% BC2000, 96% demineralized water				
A.G.C		Davy control system and back up eccentricity control two DMC radiation gauges stand 1 entry and stand 4 exit Radioisotope americium 24IG.E.C speed control				
Coolant		Two Woryhington – Simpson centrifugal pumps 1 Running 1 Stand by 480 gals/min Temp 60°C				
Filtration		Mannesmann Demag magnetic separator Type KMA 110 N42 Hoffmann paper filter 35 micron				
Side guides		Rollers				
Motors	Uncoiler	1	2	3	4	Recoiler
Power HP	50	1000	1000	1000	1000	300
Back up roll bearings		Morgoil. Alpha Laval centrifuge filter for clean morgoil				
Work rolls		40+8 new				
Work roll chocks		27				
Back up rolls		12				
Back up chocks		10				
Also include is a Roll Shop comprising of 2 Churchill roll grinding machines. Churchill squeegee roll grinding machine. 1 Waldrick Back up roll grinding machine. This machine also ground the slitter cutting knives.						

## 2. Equipment List:

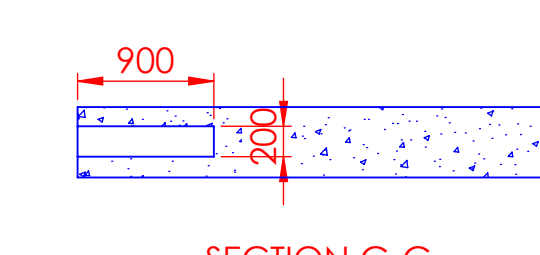
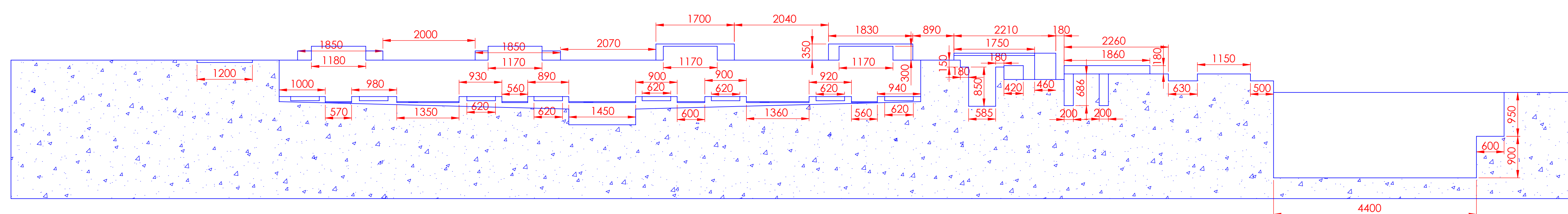
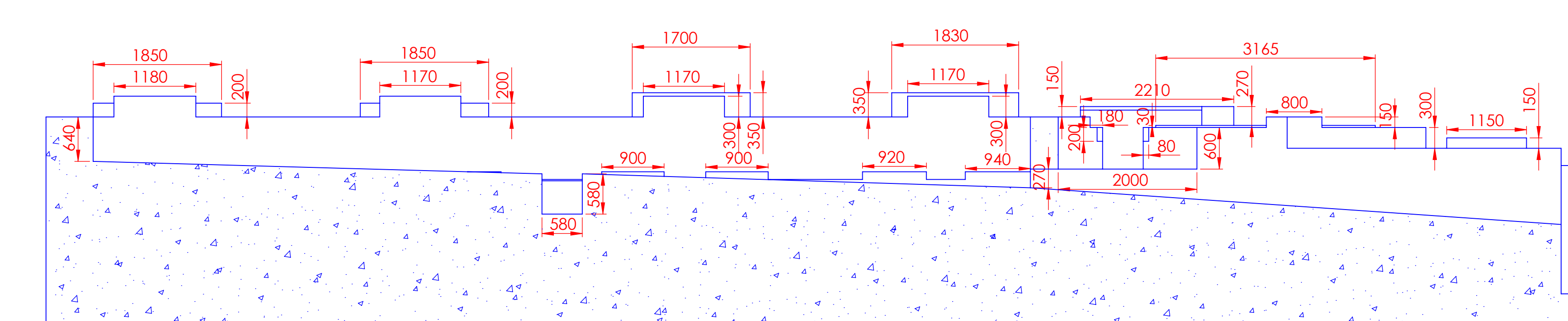
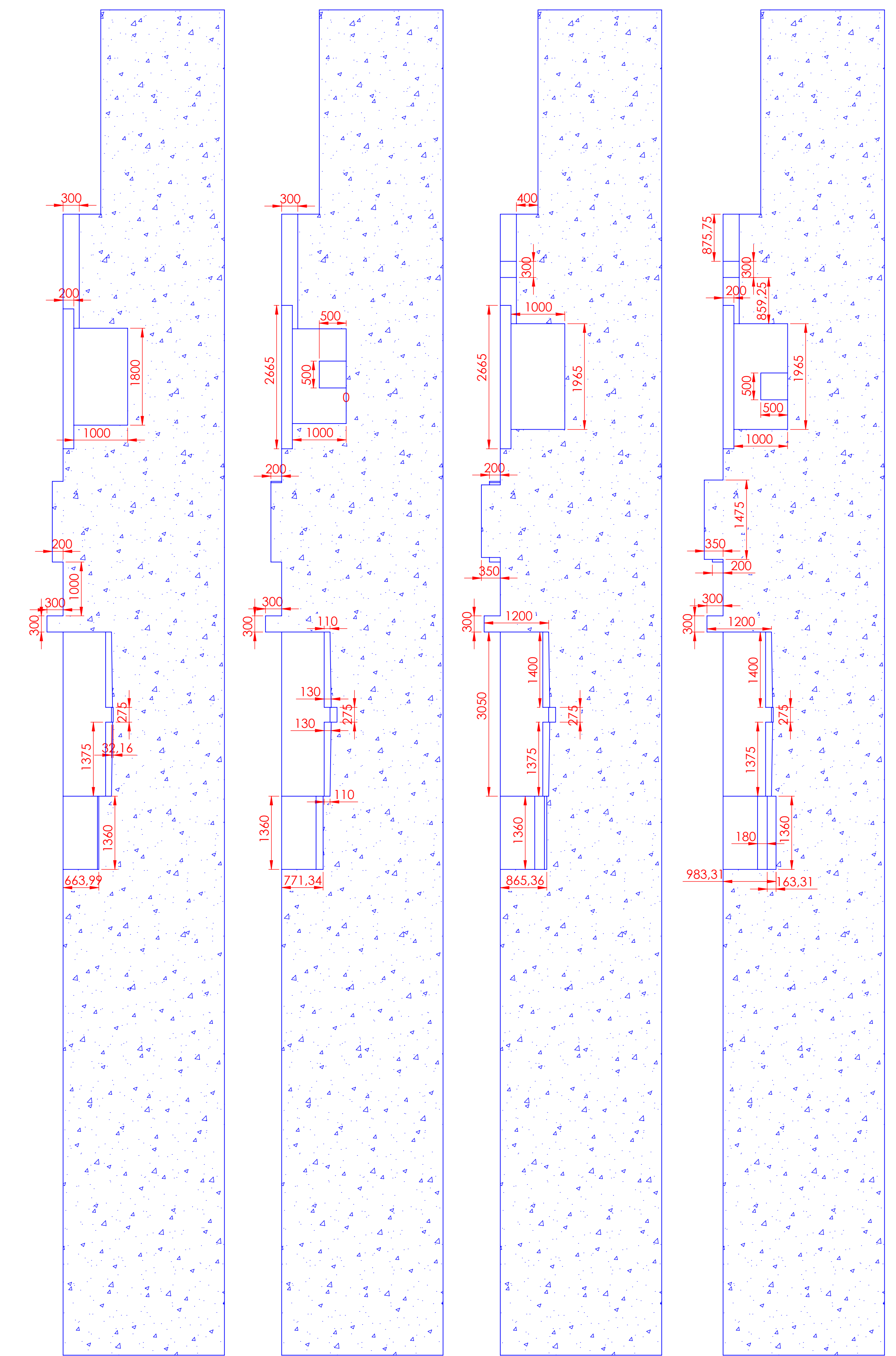
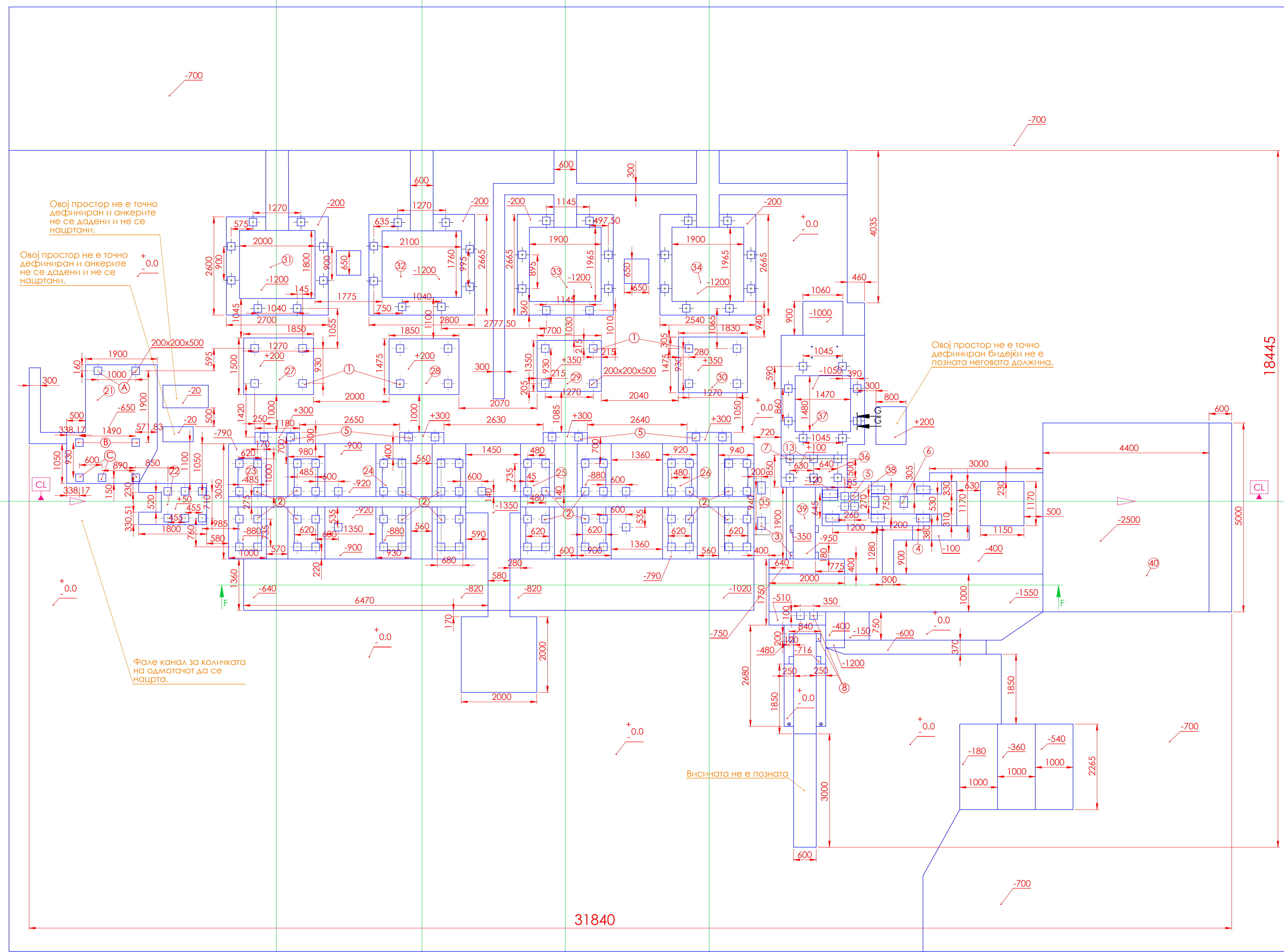
No.	Equipment list
1	Uncoiler
2	Flattener
3	No.1 Stand
4	No.2 Stand
5	No.3 Stand
6	No.4 Stand
7	Roll
8	Recoiler
9	Binder rolls



## **3. Layout & Foundation**



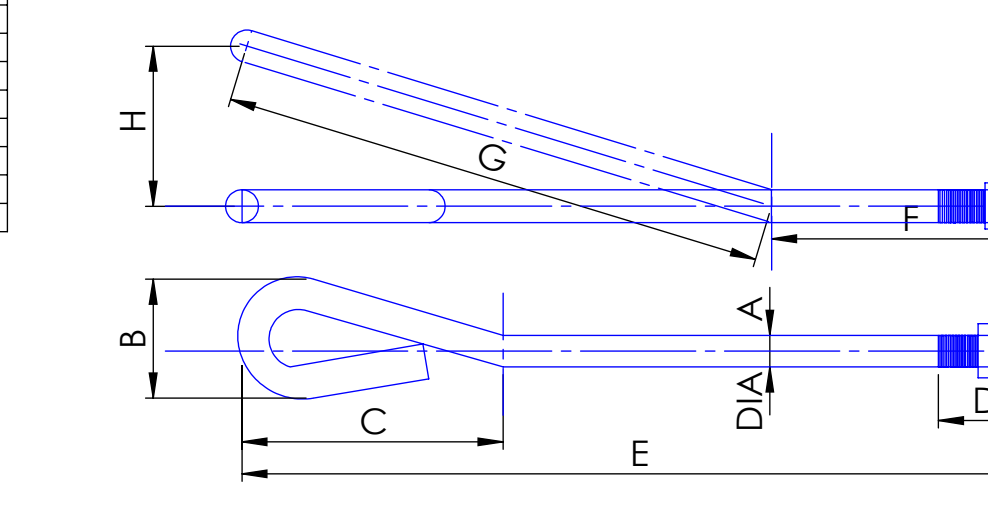




Ознака бр.	Ознака на фундамент
21	Uncoiler
22	Roller
23	Stand No.1
24	Stand No.2
25	Stand No.3
26	Stand No.4
27	Stand Motor No.1
28	Stand Motor No.2
29	Stand Motor No.3
30	Stand Motor No.4
31	Stand Motor No.1
32	Stand Motor No.2
33	Stand Motor No.3
34	Stand Motor No.4
35	Roller
36	Recoiler Motor
37	Binder Roller
38	Recoiler Coil Car
40	Emulsion Tank

ITEM	A	B	C	D	E	F	G	H
1	M32	190	330	114	1600	/	/	/
2	M32	177	270	114	971	/	/	/
3	M33	177	270	114	838	/	/	/
4	M33	177	270	114	893	/	/	/
5	M33	177	270	114	888	/	/	/
6	M32	175	260	114	859	/	/	/
7	M32	175	260	114	859	458	762	305
8	M32	175	260	114	859	381	458	229
9	M32	175	260	114	859	/	/	/
10	M20	76	152	64	457	/	/	/

UNCOILER BOLTS					
MK	dia	L	Screw	no.	remarks
A	M40	450	50	2	per shape
B	M40	850	75	2	
C	M40	300	50	3	



ISSUED DRAWING SPECIES: UNCOILER AND BINDER BOLTS	PROJ: TM-02.00.00	SCALE AND BOLD SHAP: 1:1	DO NOT SCALE DRAWING	REVISION:
DATE: 15.05.2024	NAME: ANJELINA	SIGNATURE: [Signature]	DATE: [Date]	FILE: [File Name]
DRAWN: [Name]	CHECKED: [Name]	APPROVED: [Name]	MATERIAL: [Material]	WEIGHT: [Weight]
Tandem Mill Foundation				TM-02.00.00
SHEET 1 OF 1				



#### 4. Tandem Mill Line Photos:



*TANDEM MILL LINE*

Back up roll diameter – Max	762mm
Back up roll diameter – Min	711mm
Work roll diameter - Max	266.55mm
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Uncoiler mandrel diameter	508mm
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Coil weight – Max	6 Tons

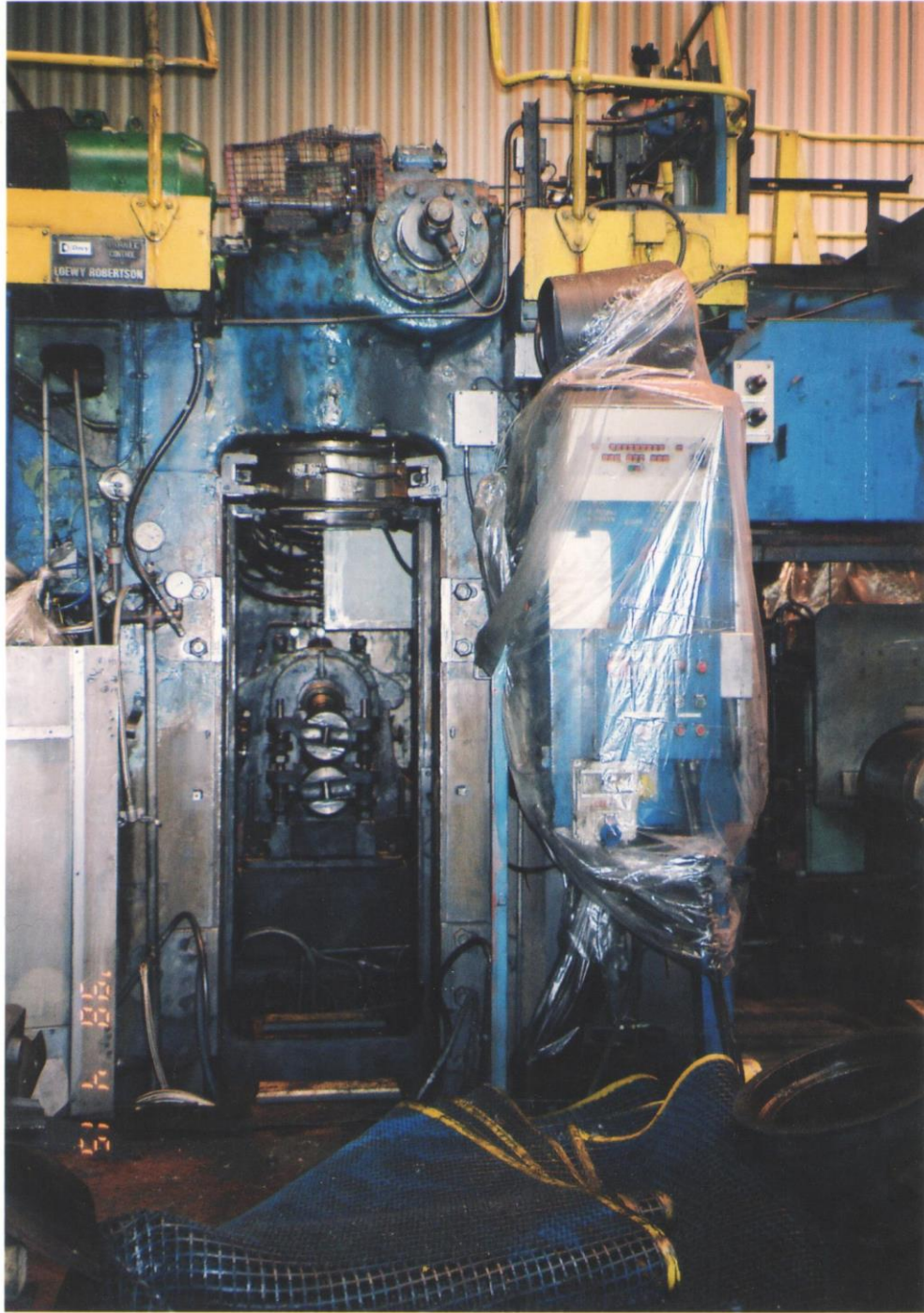




1. Tandem Mill Uncoiler



2. Tandem Mill Flattener



3. Tandem Mill Stand





8. Tandem Mill Recoiler



8. Tandem Mill Recoiler



9. Tandem Mill Binder rolls