



LEGEND

ELECTRICAL PANEL

ELECTRICAL MOTOR

LOCAL CONTROL BOX (LCB)

INSTRUMENT JUNCTION BOX

Item Nbr	Cabinet Name	Description	Tentative dimensions (WxHxD)	Level
1	r45.31-3323-TMT-GEN01-PCP01	TMT main power control panel	3400x2200x600	E-Room
2	r45.31-3323-TMT-GEN01-LCP01	TMT general local control panel	800x200x400	+0,000
3	r45.31-3323-TMT-ESR00-RI001	TMT energy sources remote I/O: fans technical room	1200x1200x400	-3,400
4	r45.31-3323-TMT-ESR00-RI002	TMT energy sources remote I/O: main gas & O2 skid	1200x1200x400	+5,100
5	r45.31-3323-TMT-CBS01-RI001	Combustion area remote IO	1200x1200x400	+4,700
6	r45.31-3323-TMT-MCH01-RI001	Auxiliaries remote IO	1200x1200x400	+4,700
7	r45.31-3323-TMT-MCH01-LCB01	Roof access local control box	200x150x80	+1,500
8	r45.31-3323-TMT-MCH01-LCB02	Main door local control box	200x150x80	+1,500
9	r45.31-3323-TMT-MCH01-LCB03	Bath TC local control box	300x300x210	+4,700
10	r45.31-3323-TMT-MCH01-LCB04	Side door local control box	300x300x210	+1,500
11	r45.31-3323-TMT-MCH01-LCB05	Tilting & spout local control box	200x150x80	+1,500
12	r45.31-3323-TMT-CBS01-IJB01	Burners roof area instrumentation junction box	500x500x210	+4,700
13	r45.31-3323-TMT-CBS01-IJB02	Burner #1 instrumentation junction box	500x500x210	+1,200
14	r45.31-3323-TMT-CBS01-IJB03	Burner #2 instrumentation junction box	500x500x210	+1,200
15	r45.31-3323-TMT-MCH01-IJB01	Left side door instrumentation junction box	300x300x210	+4,700
16	r45.31-3323-TMT-MCH01-IJB02	Right side door instrumentation junction box	300x300x210	+4,700
17	r45.31-3323-TMT-MCH01-IJB03	Chimney instrumentation junction box	300x300x210	+7,000
18	r45.31-3323-TMT-MCH01-IJB04	Spout cover instrumentation junction box	300x300x210	+3,700
19	r45.31-3323-TMT-ESR00-IJB01	Combustion gas main skid instrumentation junction box	400x600x210	+5,100
20	r45.31-3323-TMT-ESR00-IJB01	Compressed air main skid instrumentation junction box	400x600x210	+5,100
21	r45.31-3323-TMT-ESR00-DS001	Combustion Fan disconnect switch	300x250x150	-3,400
22	r45.31-3323-TMT-ESR00-DS001	Pilot Combustion fan disconnect switch	200x150x120	-3,400
23	r45.31-3323-TMT-ESR00-DS001	Exhaust fan disconnect switch	500x400x300	-3,400
24	r45.31-3323-TMT-MCH01-DS001	Bath thermocouple retraction motor disconnectors switch	150x150x120	+4,700
25	r45.31-3323-TMT-CVT01-PCP01	Monitoring camera power control panel #01	1000x500x300	+4,700
26	r45.31-3323-TMT-CVT01-PCP02	Monitoring camera power control panel #02	1000x500x300	+4,700
27	r45.31-3323-SFS-GEN01-PCP01	STAS RFI power control panel	1200x2100x600	+0,000
28	r45.31-3323-TMT-GEN01-PCP01	Plant cable routing power distribution panel	1200x2100x600	-3,400
29	r45.31-3323-TMT-CVT01-LCB01	Monitoring camera local control box #01	200x200x200	+4,700
30	r45.31-3323-TMT-CVT01-LCB02	Monitoring camera local control box #02	200x200x200	+4,700
31	r45.31-3323-TMT-CBS01-BU001	Burner Control Unit #01	300x300x200	+4,700
32	r45.31-3323-TMT-CBS01-BU002	Burner Control Unit #02	300x300x200	+4,700
33	r45.31-3323-TMT-LAN01-IJB01	Dam instrumentation junction box	300x300x200	+1,200

KEY PLAN AREA

CONTRACTOR

CONTRACTOR dwg number

2558-3323-TMT-E-DWG-EEAL

Rev.

A

CLIENT

CLIENT dwg number

Rev.

Project Name

ALFAGEN

Title

Equipment Electrical Arrangement Layout - 3323 Melter Furnace 25Tn

DESIGNED: ANSA

DRAWN: ANSA

APPROVED: RORI

DATE: 2025/11/28

DATE: 2025/11/28

DATE: 2025/11/28

Scale

1:75

Format

A1

Sheet

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