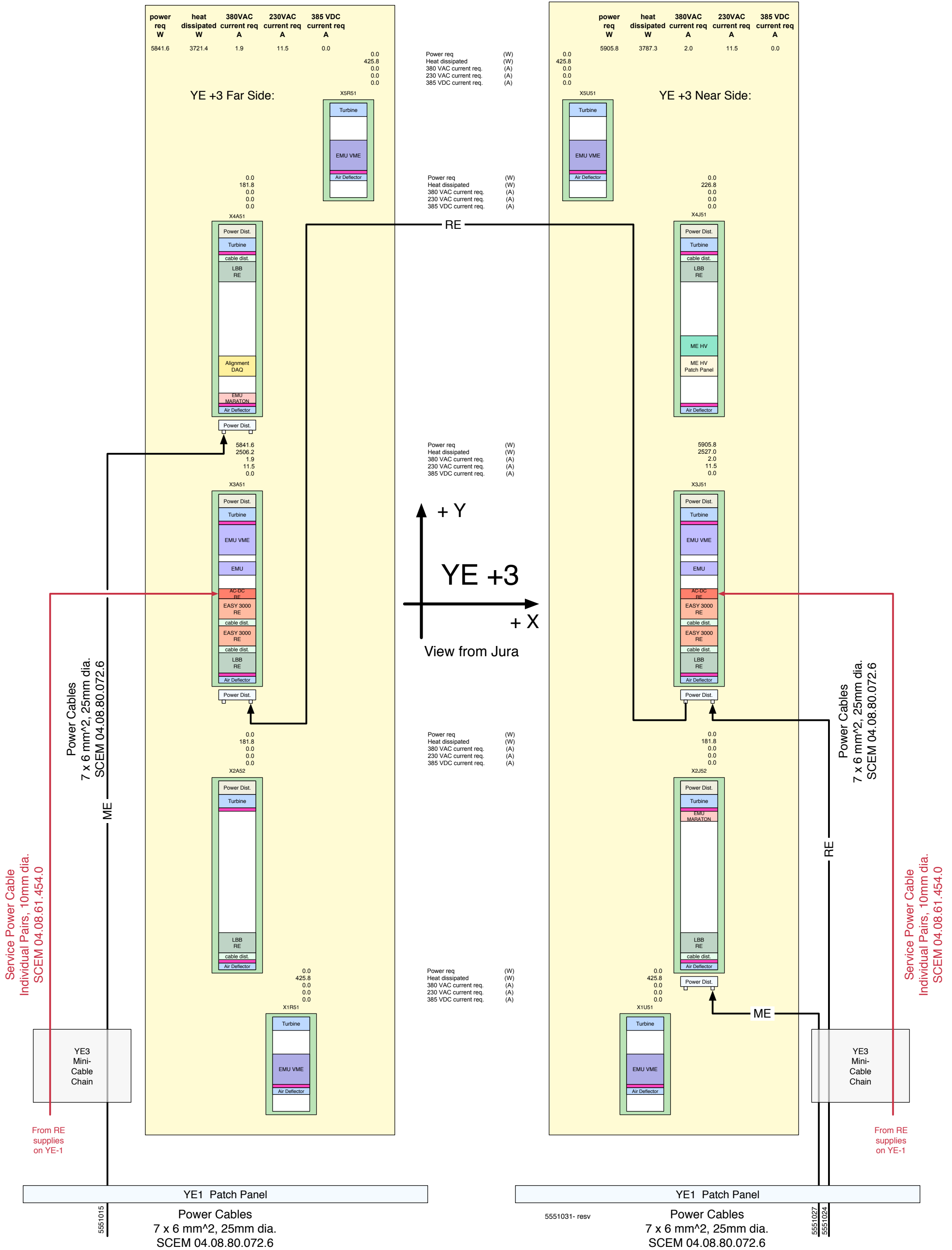


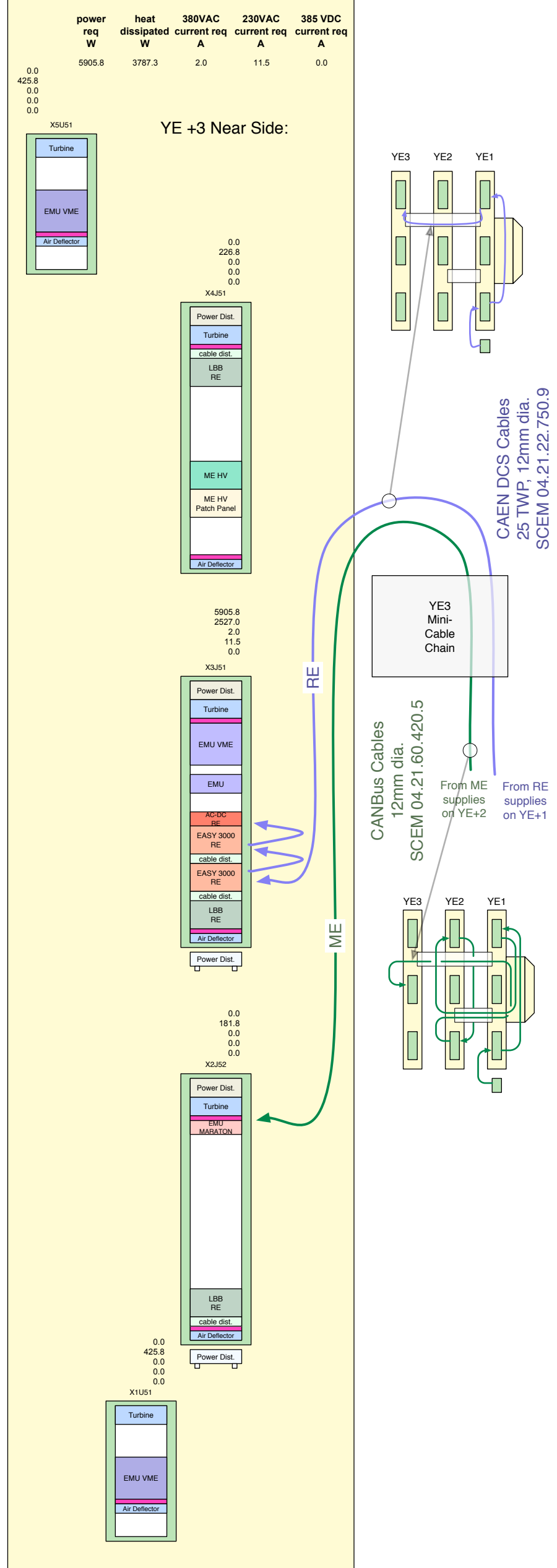
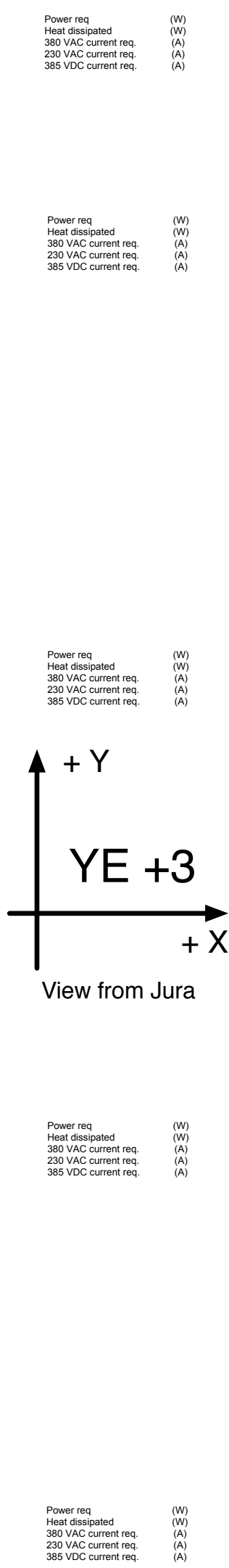
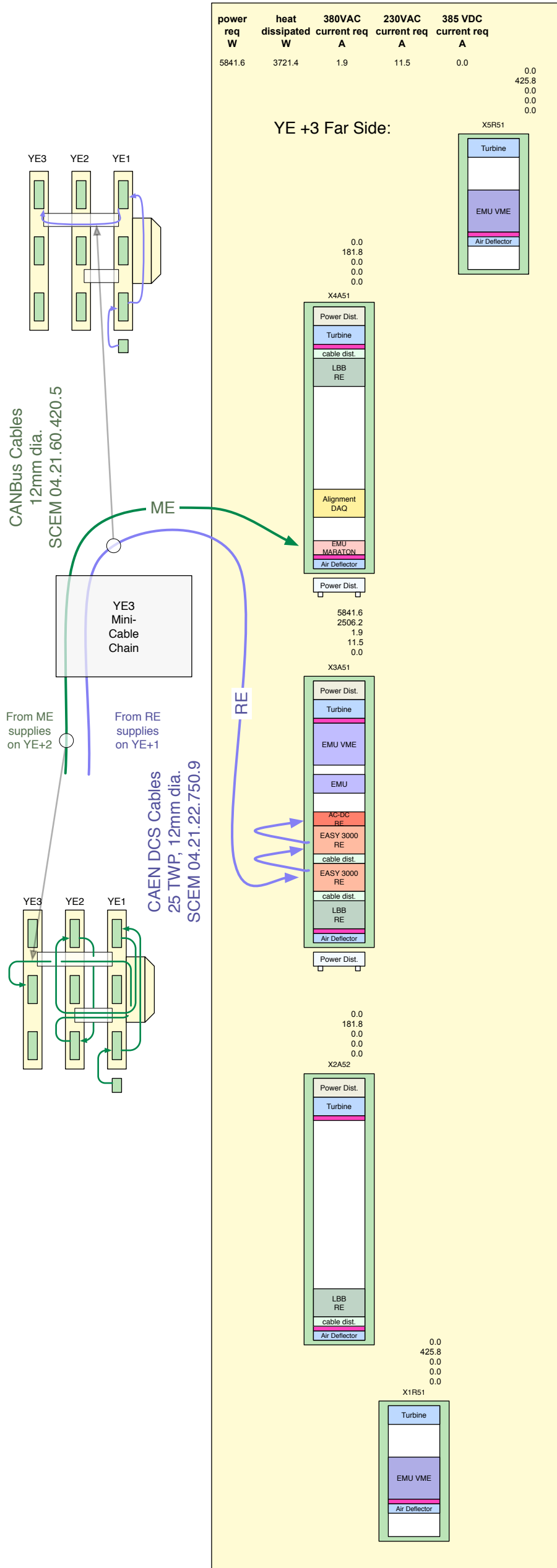
power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
11747.5	7508.7	3.9	23.0	0.0

Not for crate and rack installation



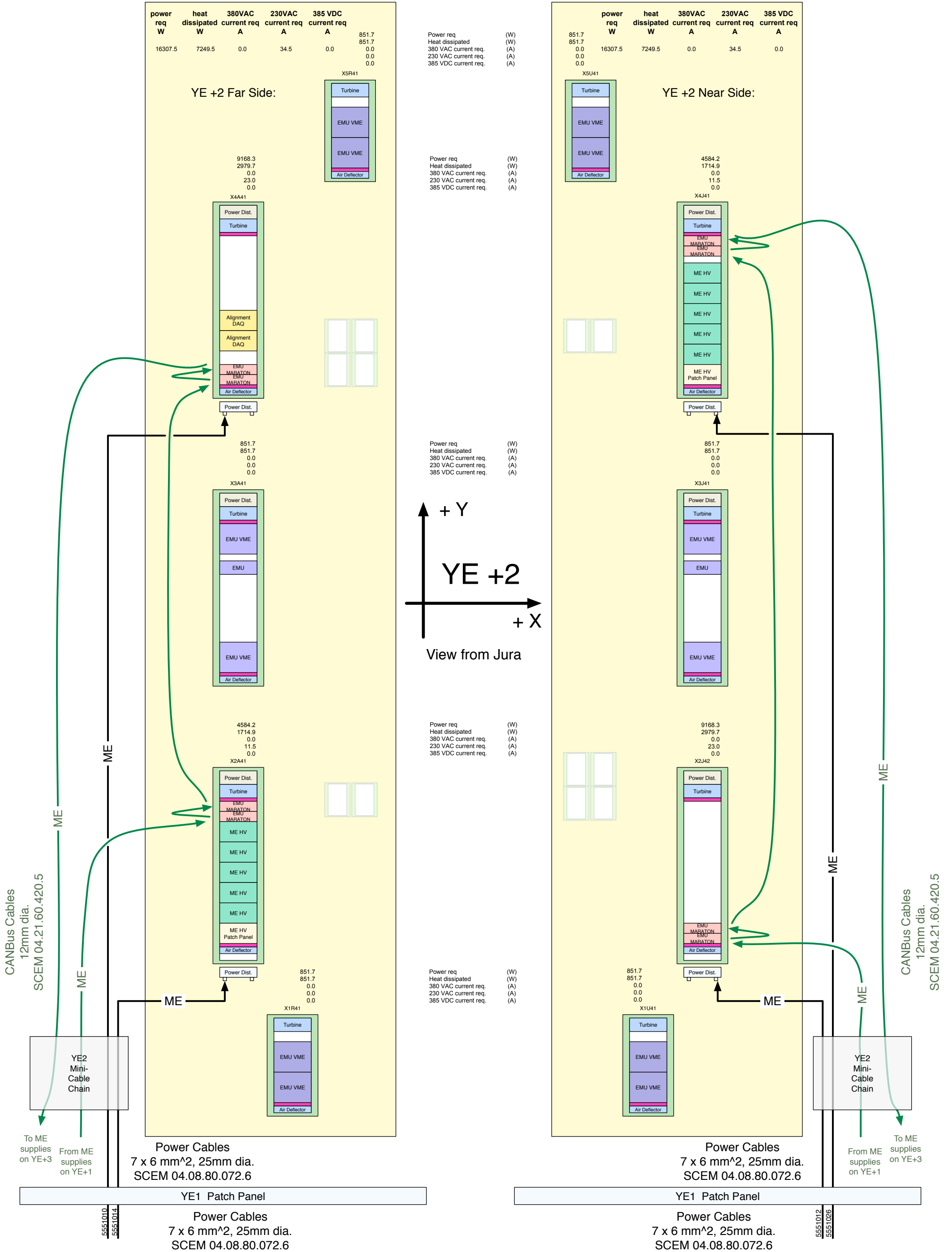
power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
11747.5	7508.7	3.9	23.0	0.0

Not for crate and rack installation



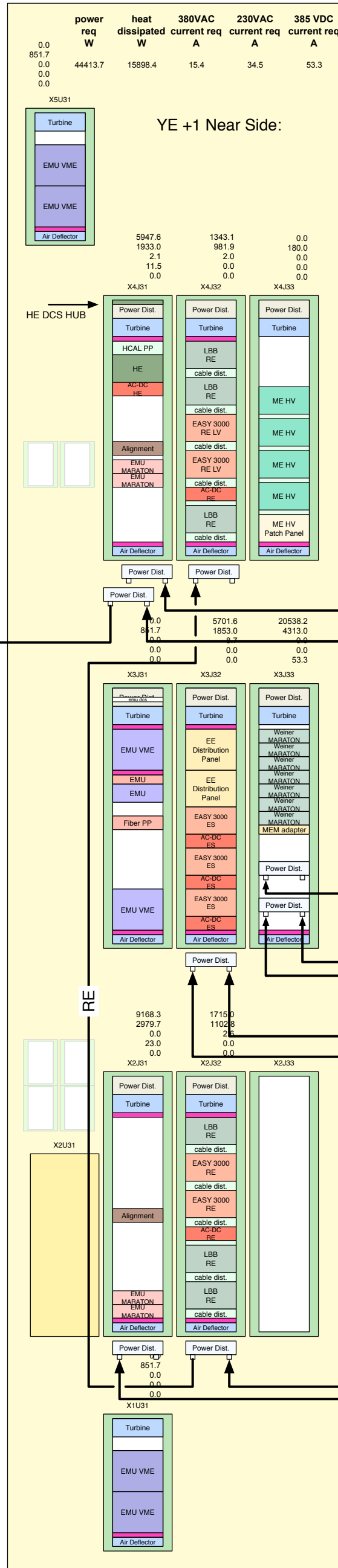
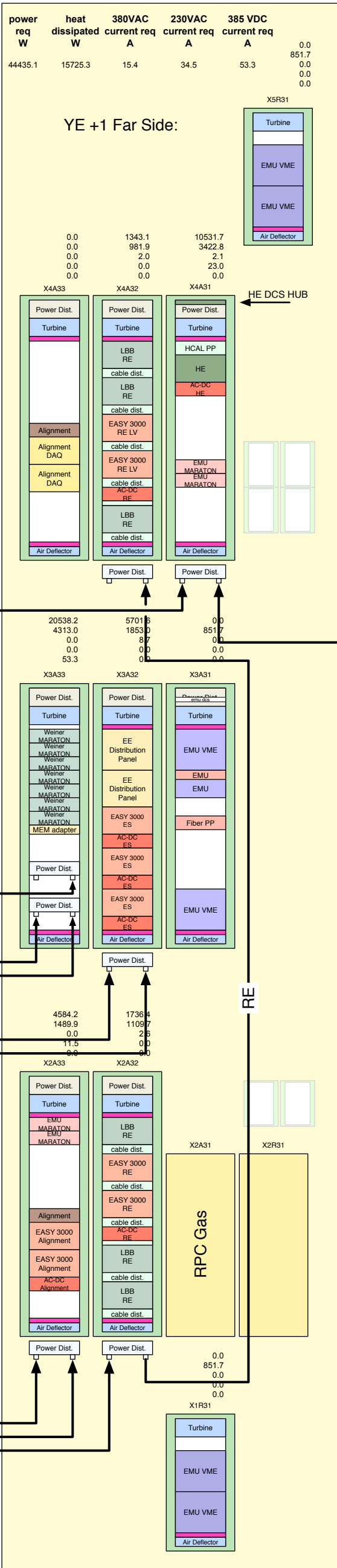
power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
32614.9	14499.1	0.0	69.0	0.0

Not for crate and rack installation



Not for crate and rack installation

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
88848.9	31623.7	30.8	69.0	106.7



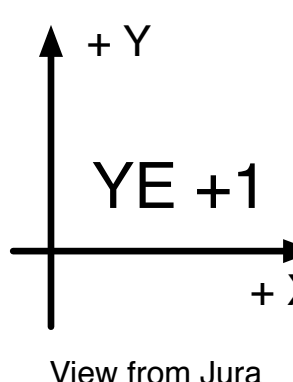
power req W	heat dissipated W	380 VAC current req A	230 VAC current req A	385 VDC current req A
0.0	851.7	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

power req W	heat dissipated W	380 VAC current req A	230 VAC current req A	385 VDC current req A
0.0	1933.0	2.1	0.0	0.0
0.0	11.5	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

power req W	heat dissipated W	380 VAC current req A	230 VAC current req A	385 VDC current req A
0.0	851.7	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

power req W	heat dissipated W	380 VAC current req A	230 VAC current req A	385 VDC current req A
0.0	2979.7	0.0	23.0	0.0
0.0	1102.8	0.0	0.0	0.0
0.0	2.6	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

power req W	heat dissipated W	380 VAC current req A	230 VAC current req A	385 VDC current req A
0.0	851.7	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0



View from Jura

Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

- 5551017
- 5551018
- 5551019
- 5551020
- 5551021
- 5551022

Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

- 5551007
- 5551008
- 5551009
- 5551010
- 5551011
- 5551012
- 5551013

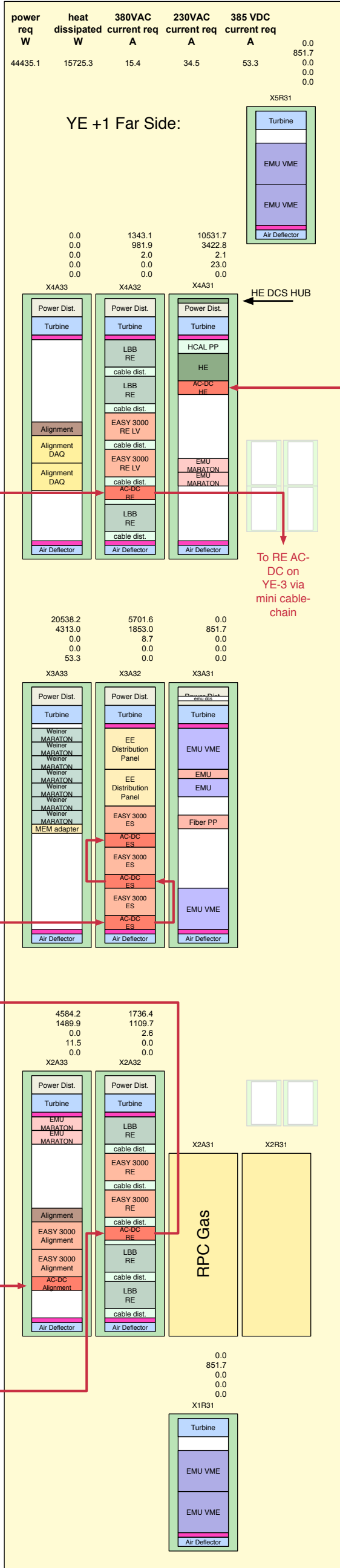
Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

YE1 Patch Panel

YE1 Patch Panel

Not for crate and rack installation

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
88848.9	31623.7	30.8	69.0	106.7



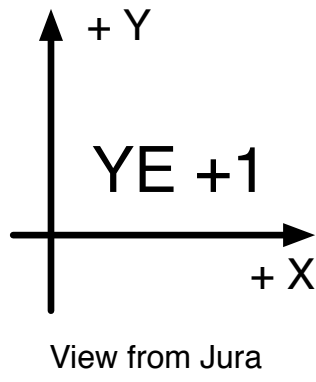
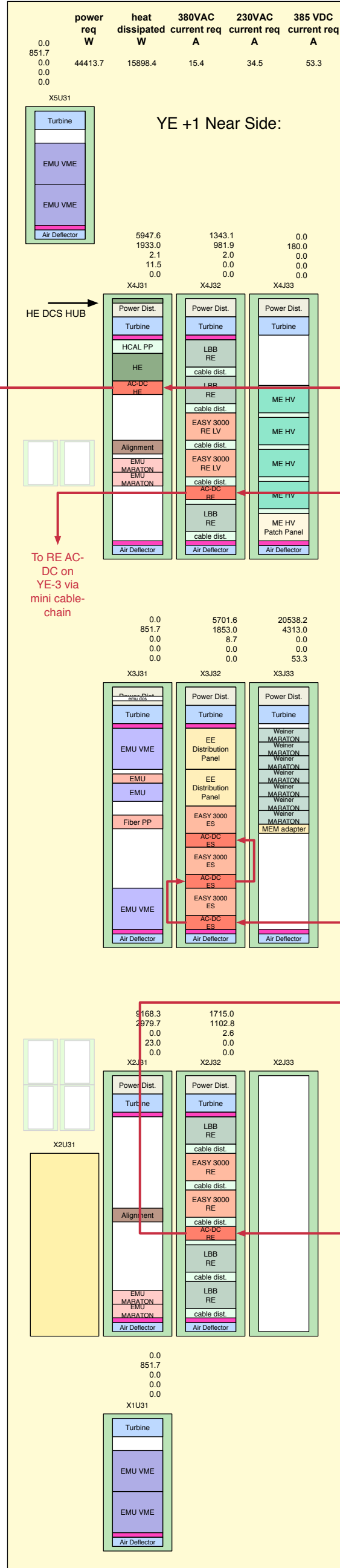
Power req	(W)	0.0
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

Power req	(W)	0.0
Heat dissipated	(W)	1933.0
380 VAC current req.	(A)	2.1
230 VAC current req.	(A)	11.5
385 VDC current req.	(A)	0.0

Power req	(W)	0.0
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

Power req	(W)	0.0
Heat dissipated	(W)	2979.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	23.0
385 VDC current req.	(A)	0.0

Power req	(W)	0.0
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0



Service Power Cable Individual Pairs, 10mm dia. SCEM 04.08.61.454.0

Service Power Cable Individual Pairs, 10mm dia. SCEM 04.08.61.454.0

Service Power Cable 7 x 6 mm², 25mm dia. SCEM 04.08.80.072.6

Service Power Cable 7 x 6 mm², 25mm dia. SCEM 04.08.80.072.6

5552002

5552003

xxxxxx- resv

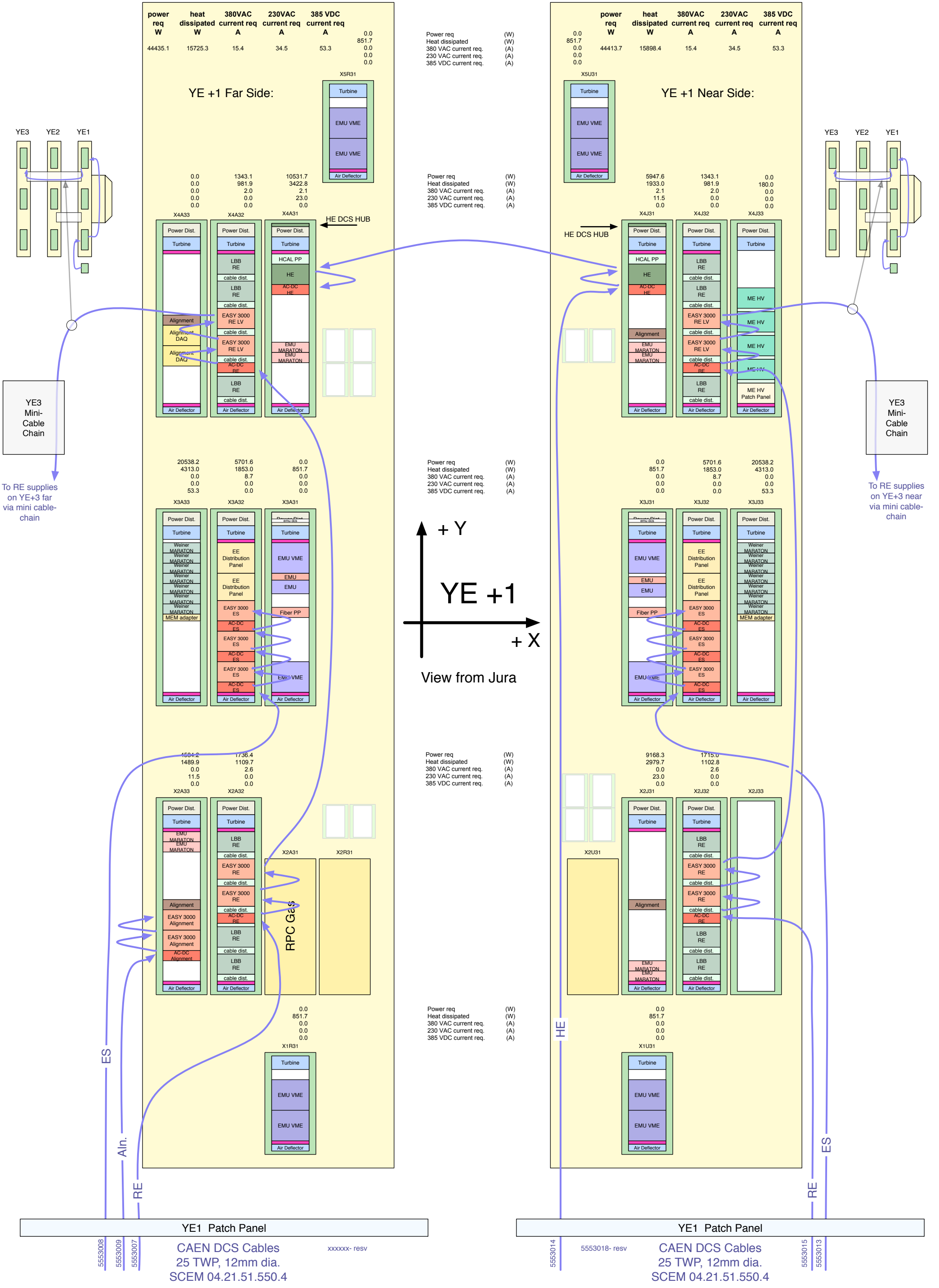
xxxxxx- resv

YE1 Patch Panel

YE1 Patch Panel

Not for crate and rack installation

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
88848.9	31623.7	30.8	69.0	106.7



power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
44435.1	15725.3	15.4	34.5	53.3
0.0	851.7	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

Power req	(W)	0.0
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
851.7	44413.7	15.4	34.5	53.3
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

Power req	(W)	0.0
Heat dissipated	(W)	1933.0
380 VAC current req.	(A)	2.1
230 VAC current req.	(A)	11.5
385 VDC current req.	(A)	0.0

Power req	(W)	0.0
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

Power req	(W)	9168.3
Heat dissipated	(W)	2979.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	23.0
385 VDC current req.	(A)	0.0

Power req	(W)	0.0
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

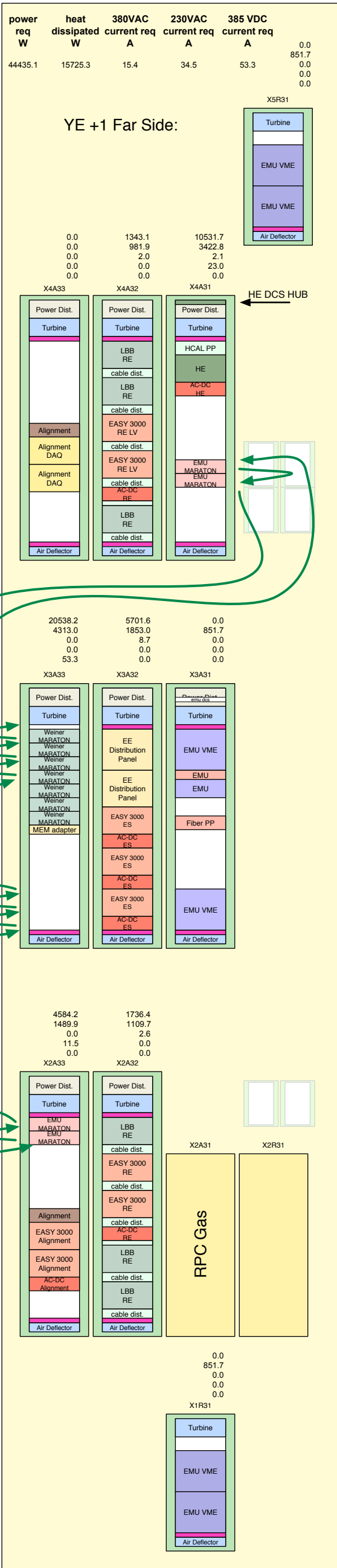
power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
1504.2	1736.4	11.5	0.0	0.0
1489.7	1109.7	0.0	2.6	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
0.0	5701.6	0.0	0.0	20538.2
0.0	1853.0	0.0	0.0	4313.0
0.0	8.7	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
0.0	1715.0	0.0	0.0	0.0
0.0	1102.8	0.0	2.6	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

Not for crate and rack installation

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
88848.9	31623.7	30.8	69.0	106.7



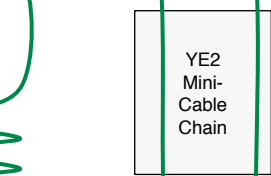
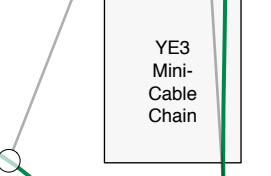
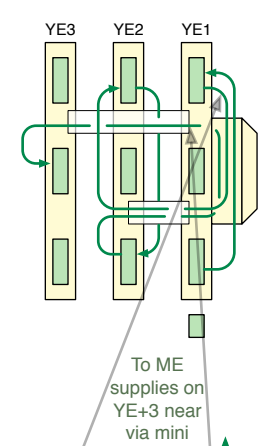
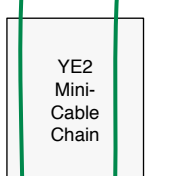
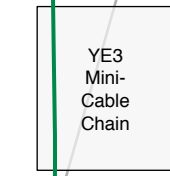
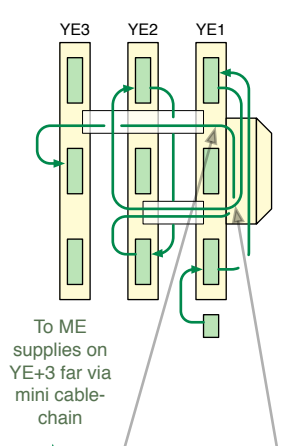
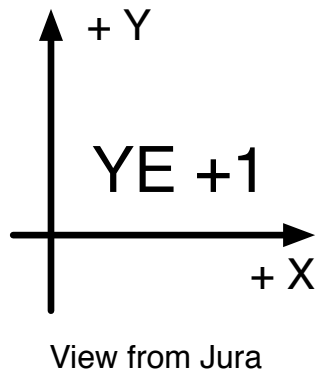
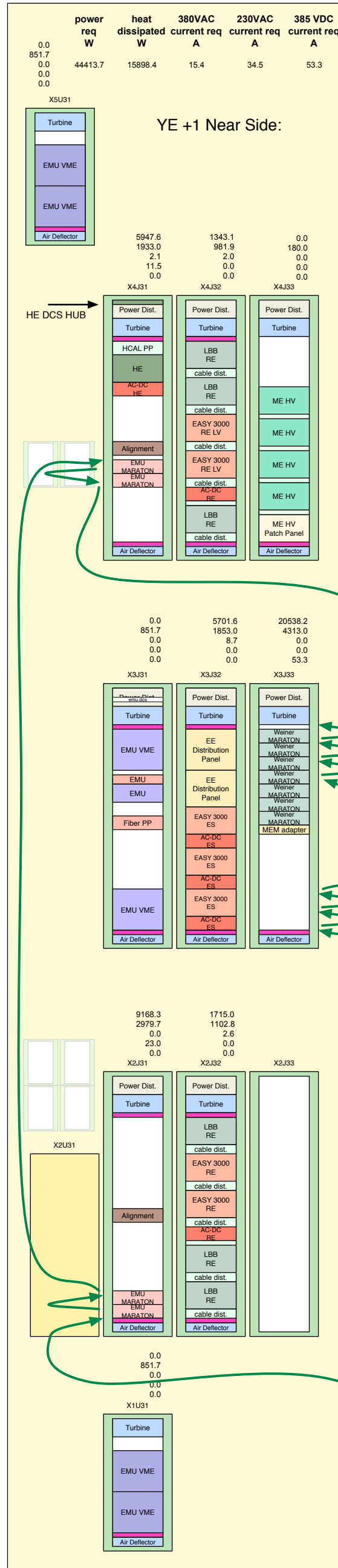
Power req	(W)	0.0
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

Power req	(W)	5947.6
Heat dissipated	(W)	1933.0
380 VAC current req.	(A)	2.1
230 VAC current req.	(A)	11.5
385 VDC current req.	(A)	0.0

Power req	(W)	0.0
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

Power req	(W)	9168.3
Heat dissipated	(W)	2979.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	2.6
385 VDC current req.	(A)	0.0

Power req	(W)	0.0
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0



CANBus Cables
12mm dia.
SCEM 04.21.60.420.5

CANBus Cables
12mm dia.
SCEM 04.21.60.420.5

YE1 Patch Panel

YE1 Patch Panel

CANBus Cables
12mm dia.
SCEM 04.21.60.420.5

CANBus Cables
12mm dia.
SCEM 04.21.60.420.5

5553011
5553010

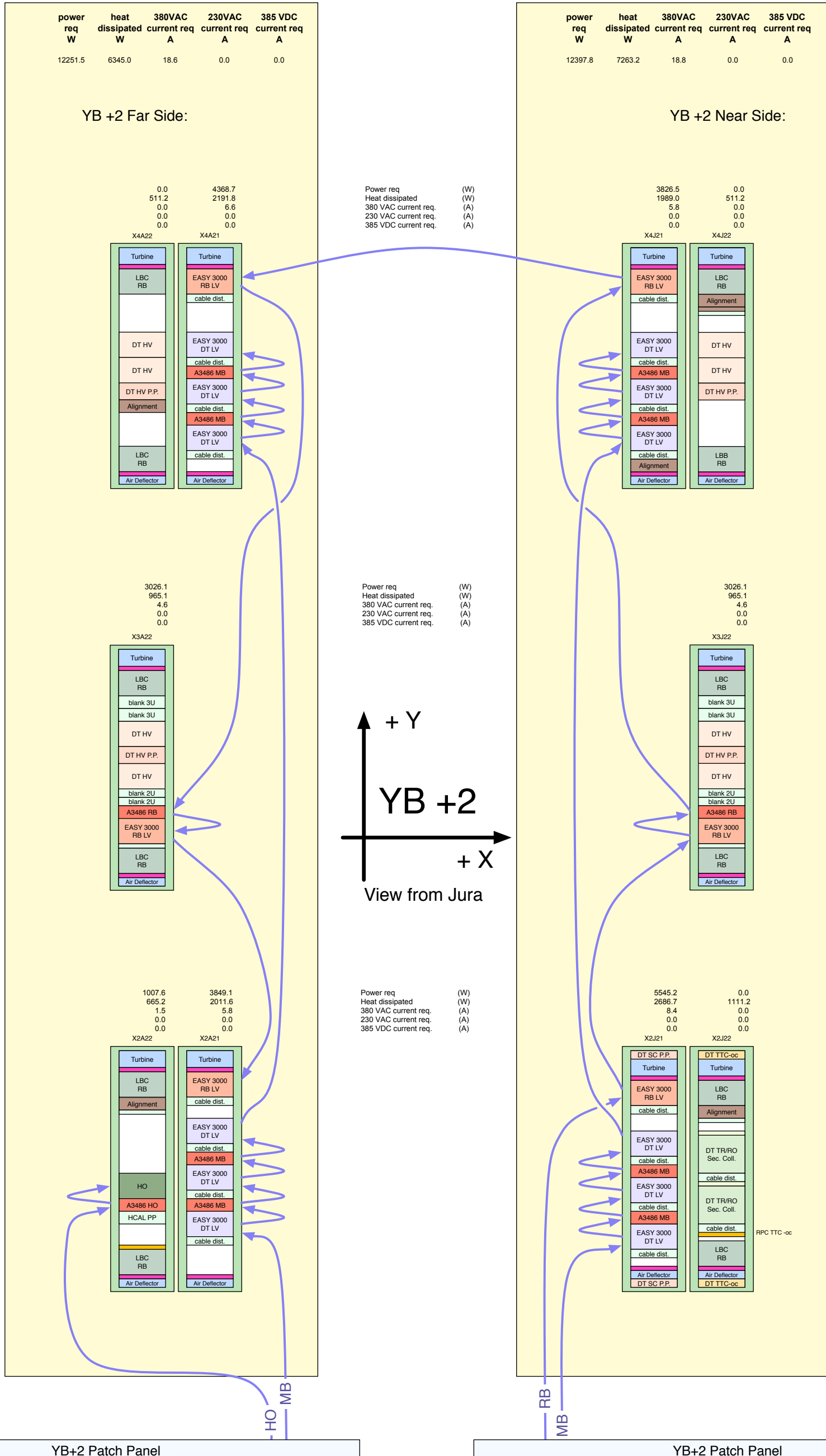
5553016
5553017

5553012- resv

xxxxxx- resv

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
24649.3	13608.2	37.5	0.0	0.0

Not for crate and rack installation

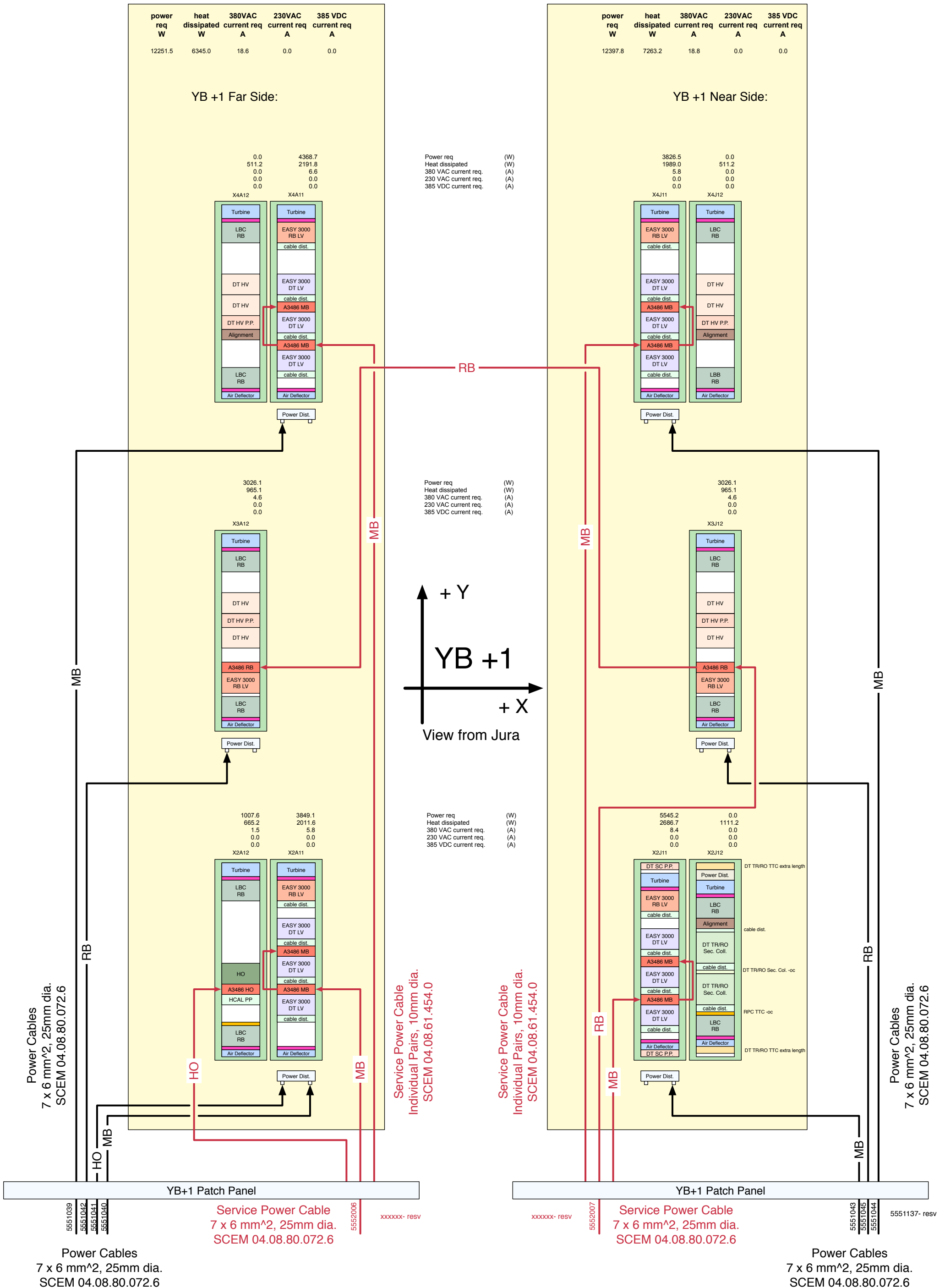


YB+2 Patch Panel
CAEN DCS Cables
25 TWP, 12mm dia.
SCEM 04.21.51.550.4

YB+2 Patch Panel
CAEN DCS Cables
25 TWP, 12mm dia.
SCEM 04.21.51.550.4

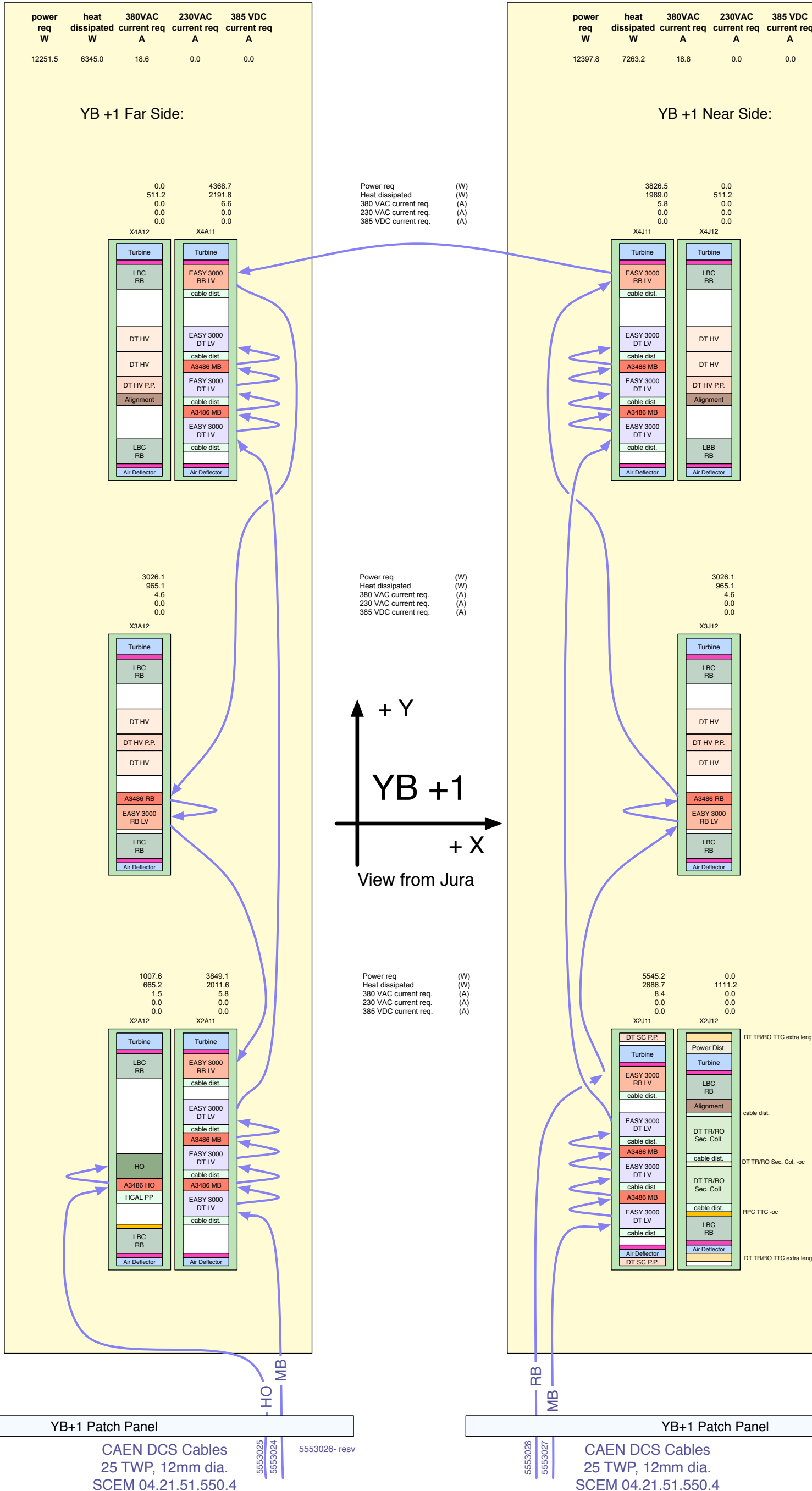
power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
24649.3	13608.2	37.5	0.0	0.0

Not for crate and rack installation



power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
24649.3	13608.2	37.5	0.0	0.0

Not for crate and rack installation



YB+1 Patch Panel
CAEN DCS Cables
25 TWP, 12mm dia.
SCEM 04.21.51.550.4
5553025 5553024 5553026- resv

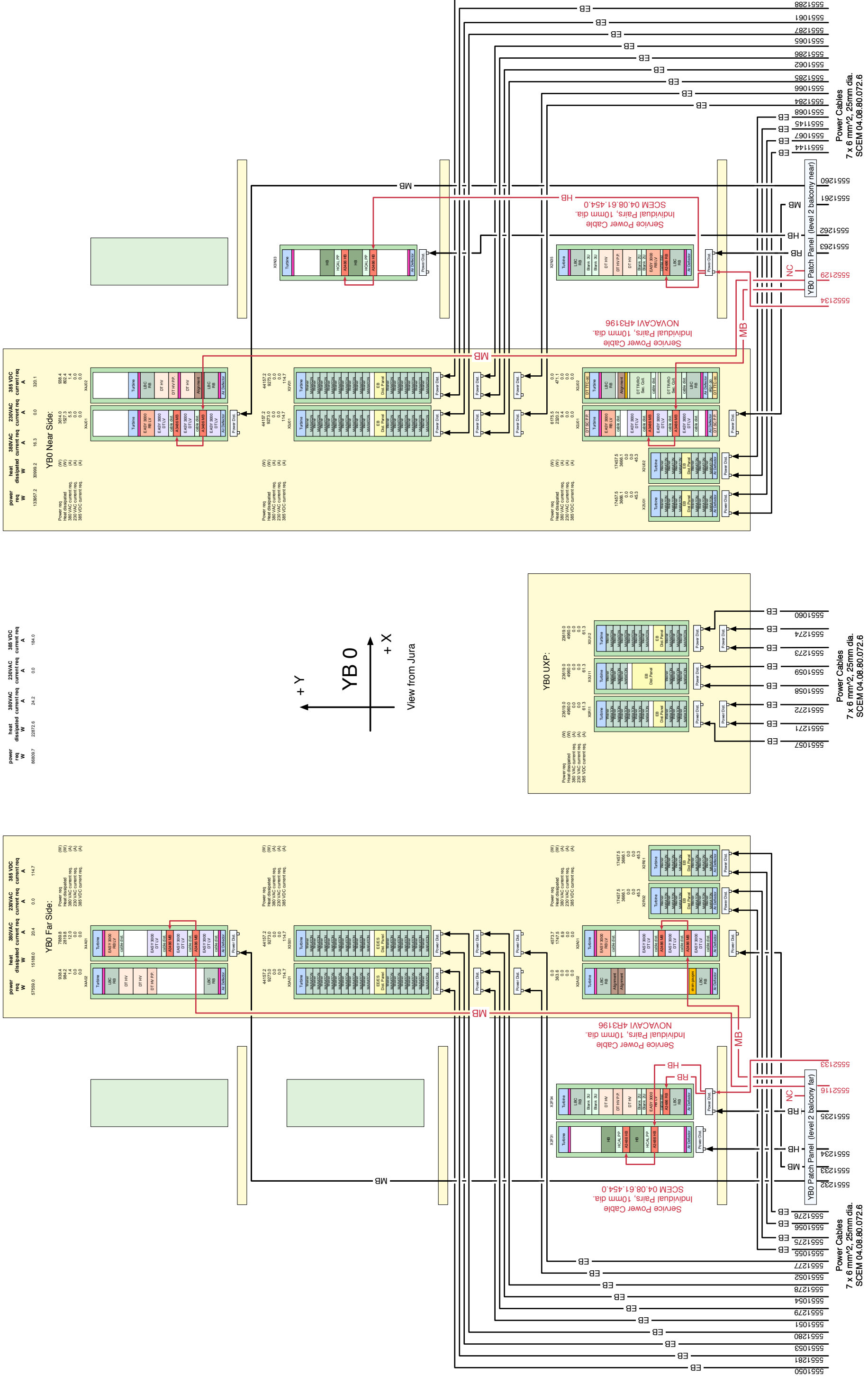
YB+1 Patch Panel
CAEN DCS Cables
25 TWP, 12mm dia.
SCEM 04.21.51.550.4
5553028 5553027

YBO Total:

power req	heat dissipated	380VAC current req	230VAC current req	385 VDC current req
191518.3	46187.3	36.7	0.0	434.8

Not for crate and rack installation

Power figures updated 30 Nov 05
Layout updated 22 Oct 07



Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

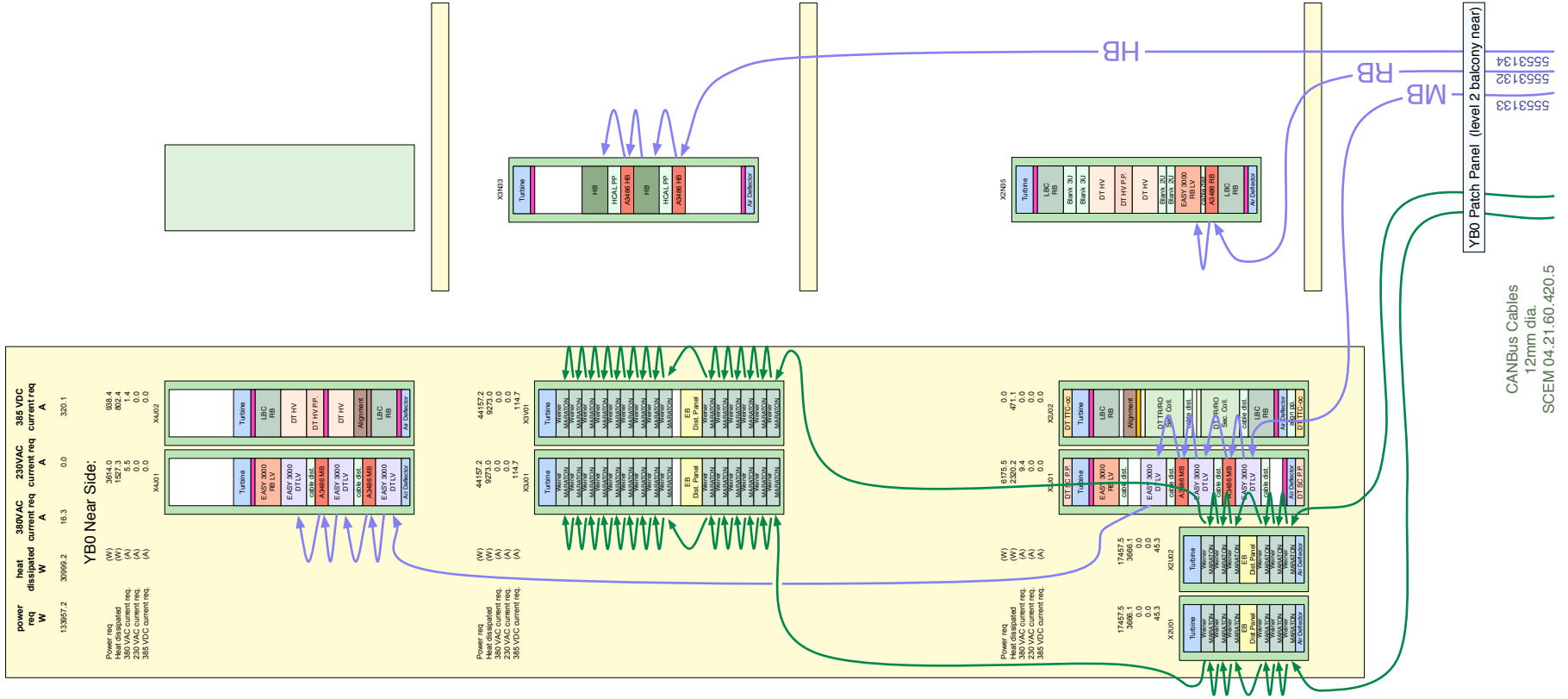
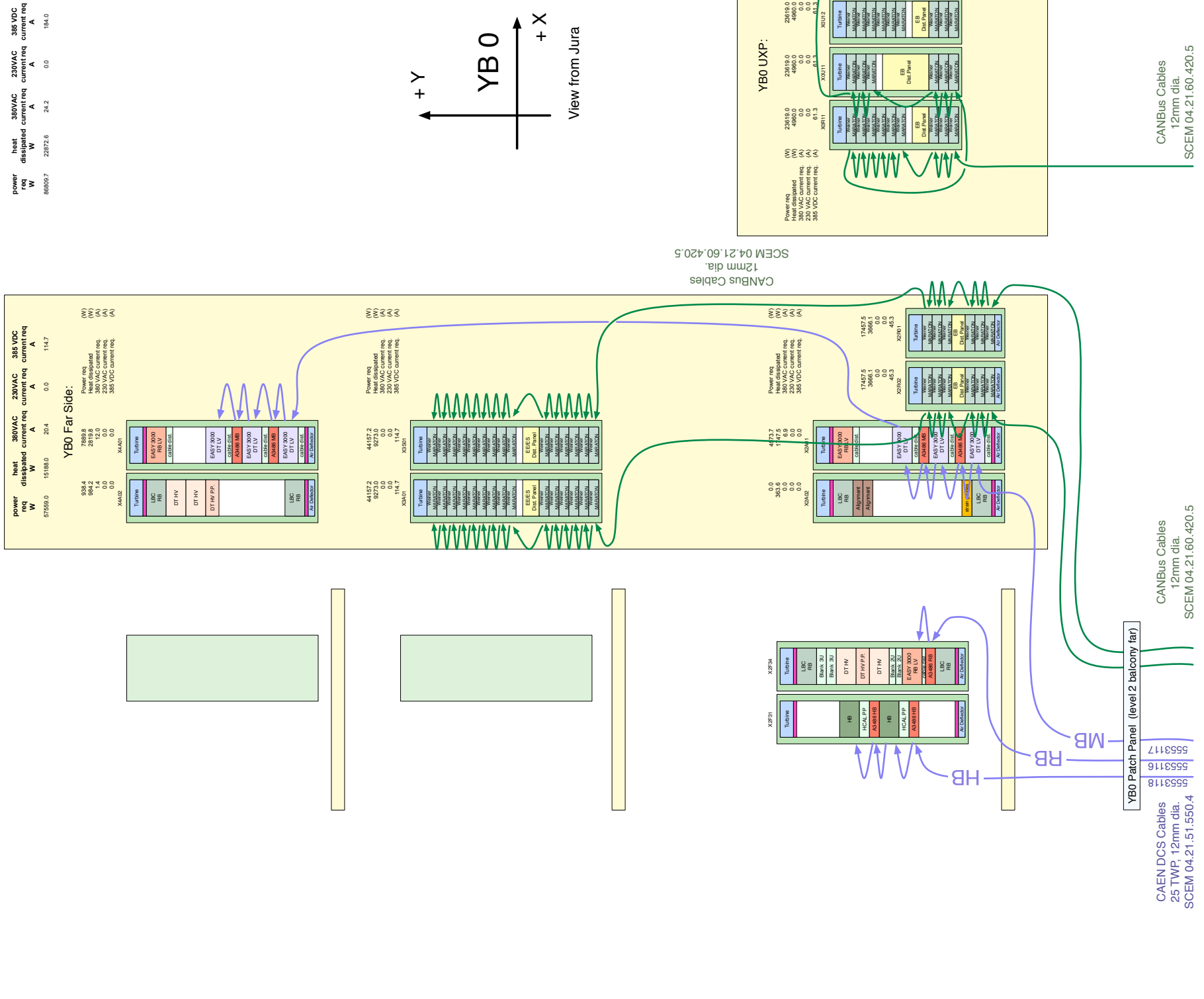
Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

YBO Total:

power req	380VAC	230VAC	385 VDC
W	A	A	A
191518.3	46187.3	36.7	0.0
heat dissipated	380VAC	230VAC	385 VDC
W	A	A	A
46187.3	36.7	0.0	434.8

Not for crate and rack installation

Power figures updated 30 Nov 05
Layout updated 21 Nov 07

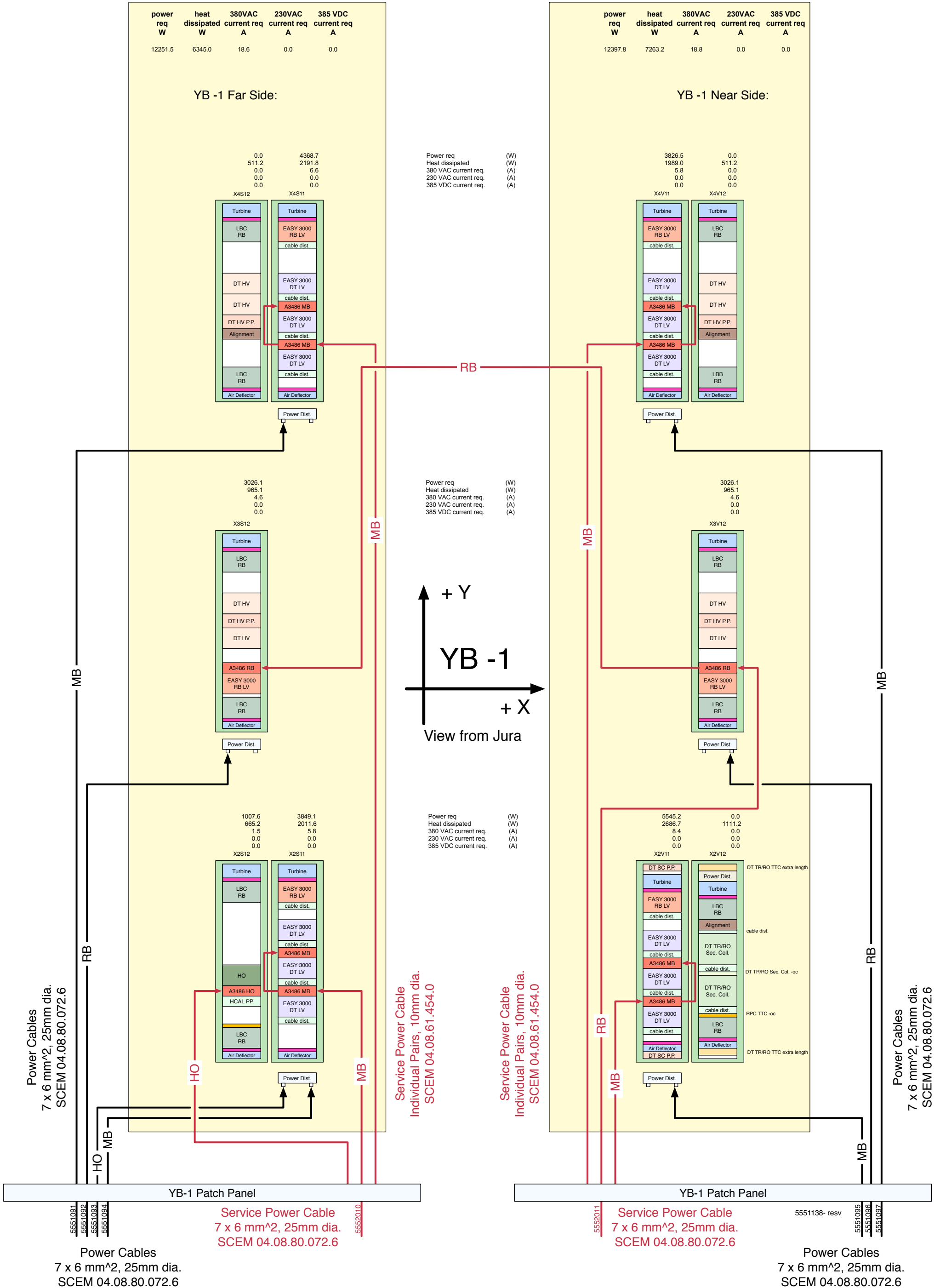


YB -1 Total:

Power figures updated 08 May 06
Layout updated 08 May 07

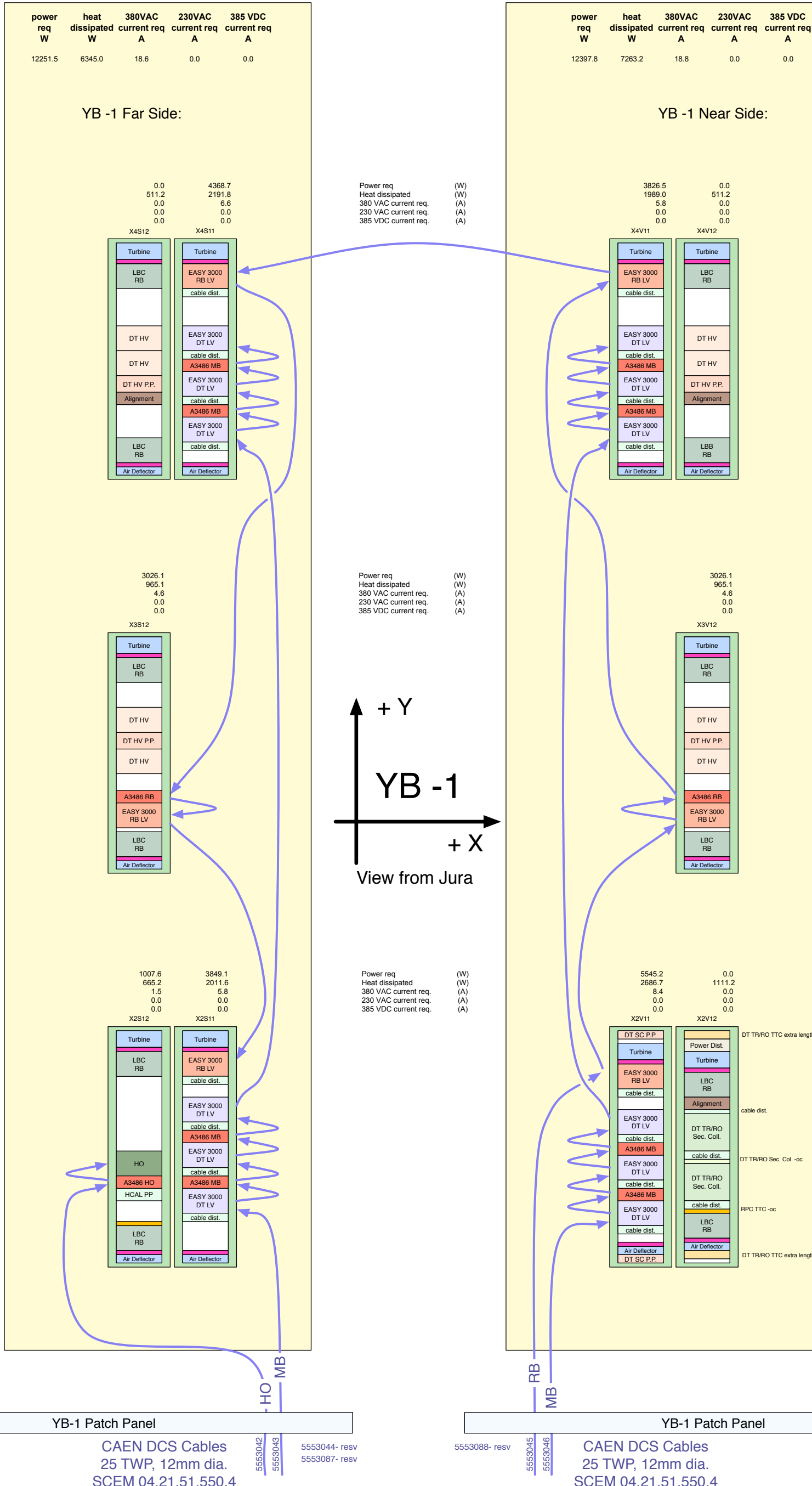
power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
24649.3	13608.2	37.5	0.0	0.0

Not for crate and rack installation



power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
24649.3	13608.2	37.5	0.0	0.0

Not for crate and rack installation

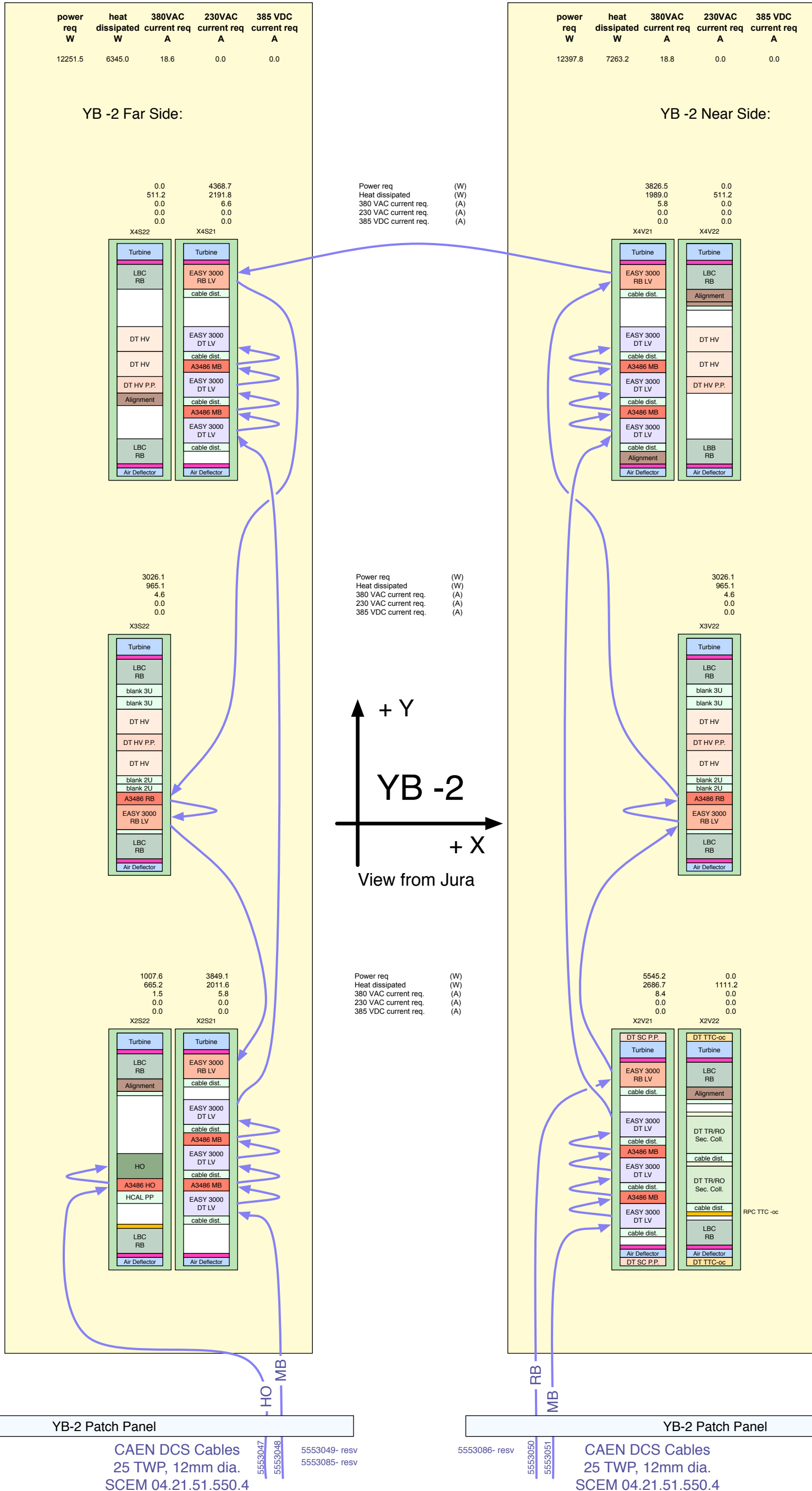


YB -2 Total:

Power figures updated 08 May 06
Layout updated 08 May 07

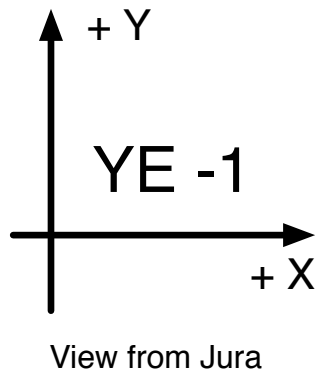
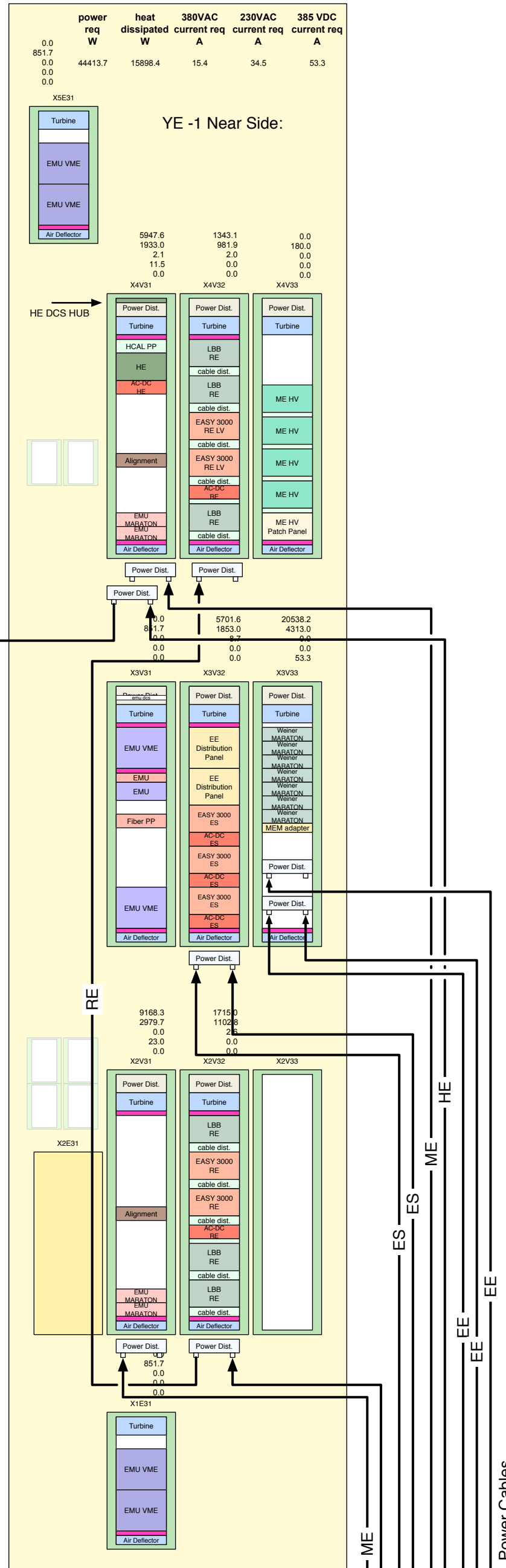
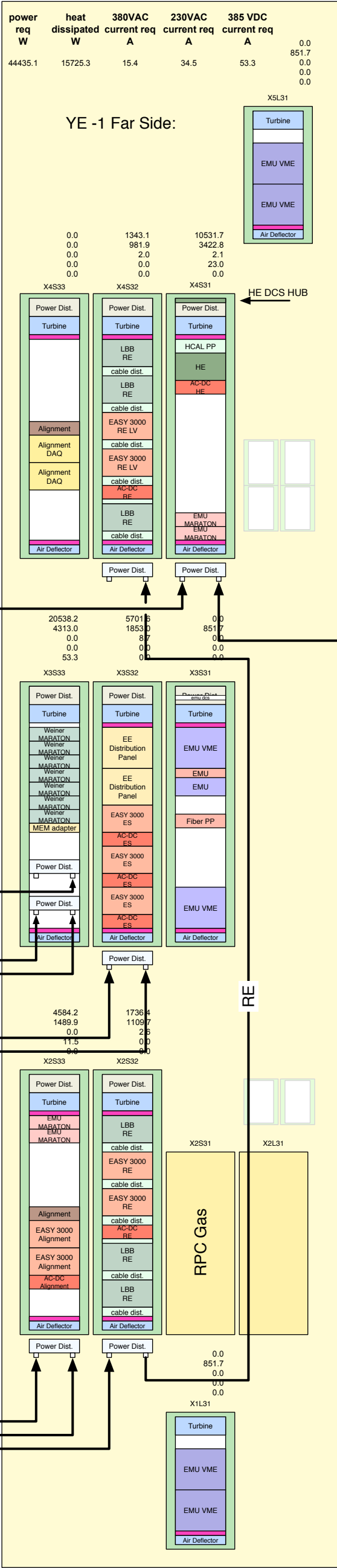
power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
24649.3	13608.2	37.5	0.0	0.0

Not for crate and rack installation



Not for crate and rack installation

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
88848.9	31623.7	30.8	69.0	106.7



Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

YE1 Patch Panel

Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

5551109
5551110
5551111
5551108
5551143
5551105
5551107
5551112
5551108

5551113- rev.
5551141- rev.

YE1 Patch Panel

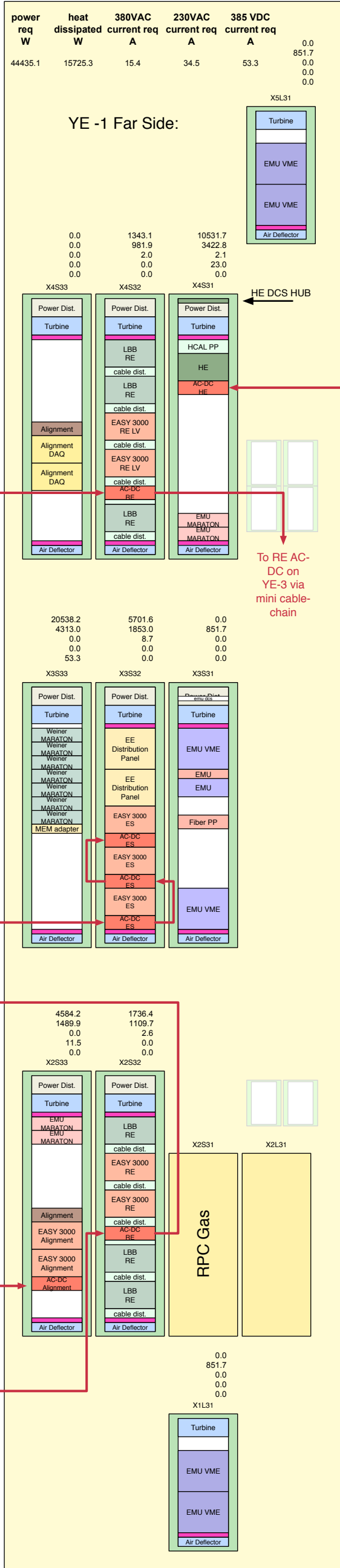
Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

5551118
5551114
5551115
5551116
5551119
5551117
5551120
5551121
5551122

5551123- rev.

Not for crate and rack installation

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
88848.9	31623.7	30.8	69.0	106.7



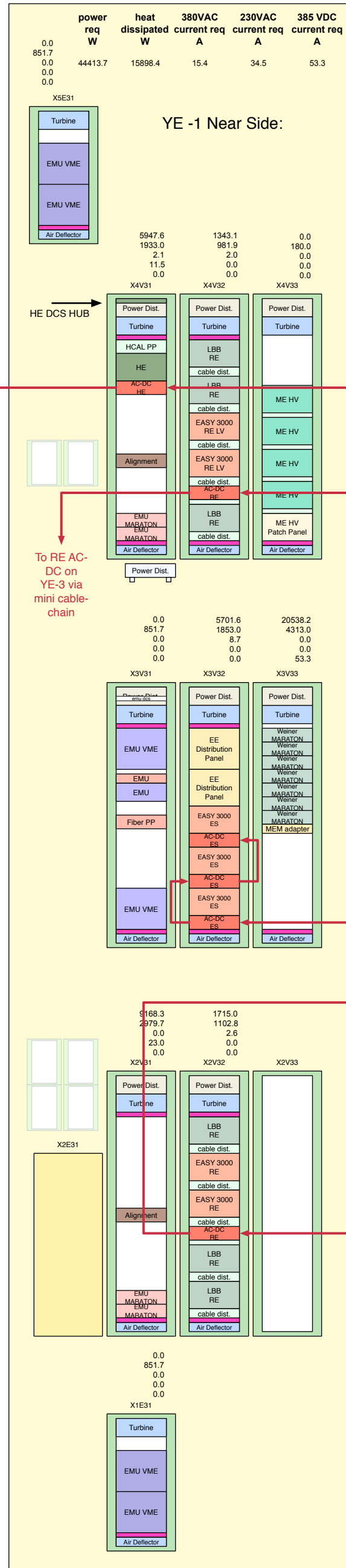
Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	851.7	0.0	0.0	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	1933.0	2.1	11.5	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	851.7	0.0	0.0	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	2379.7	2.6	23.0	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	851.7	0.0	0.0	0.0



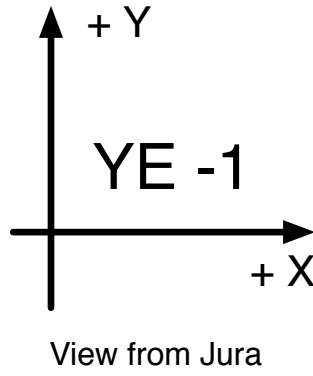
Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	44413.7	15.4	34.5	53.3

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	5947.6	2.1	11.5	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	5701.6	8.7	0.0	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	1715.0	2.6	0.0	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	1715.0	2.6	0.0	0.0



Service Power Cable
Individual Pairs, 10mm dia.
SCEM 04.08.61.454.0

Service Power Cable
Individual Pairs, 10mm dia.
SCEM 04.08.61.454.0

Service Power Cable
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

Service Power Cable
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

5552014

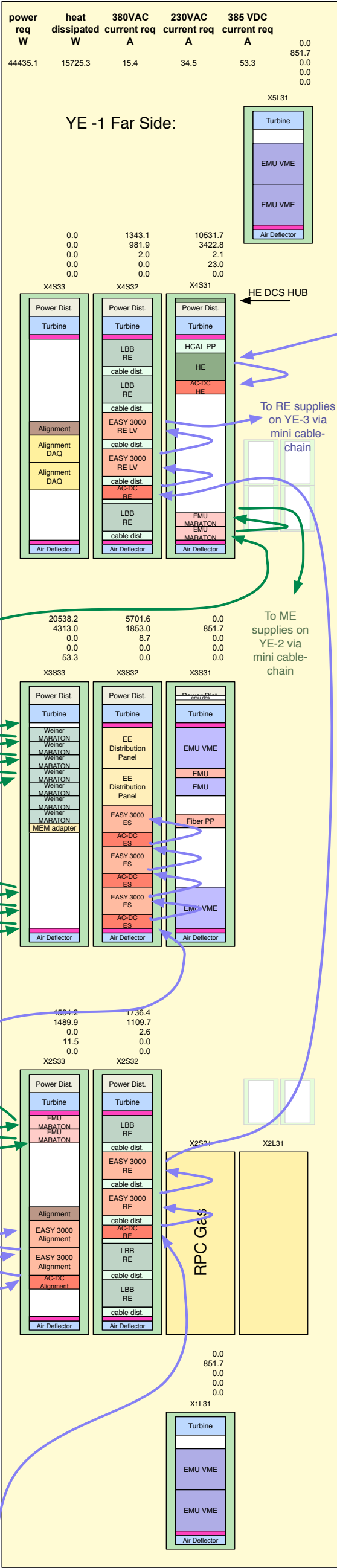
5552019- resv

5552020- resv

5552015

Not for crate and rack installation

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
88848.9	31623.7	30.8	69.0	106.7



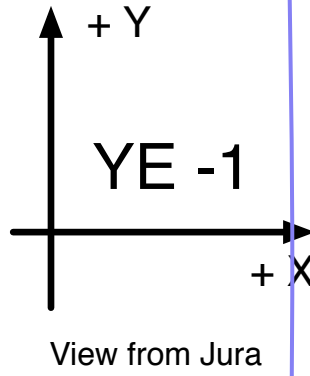
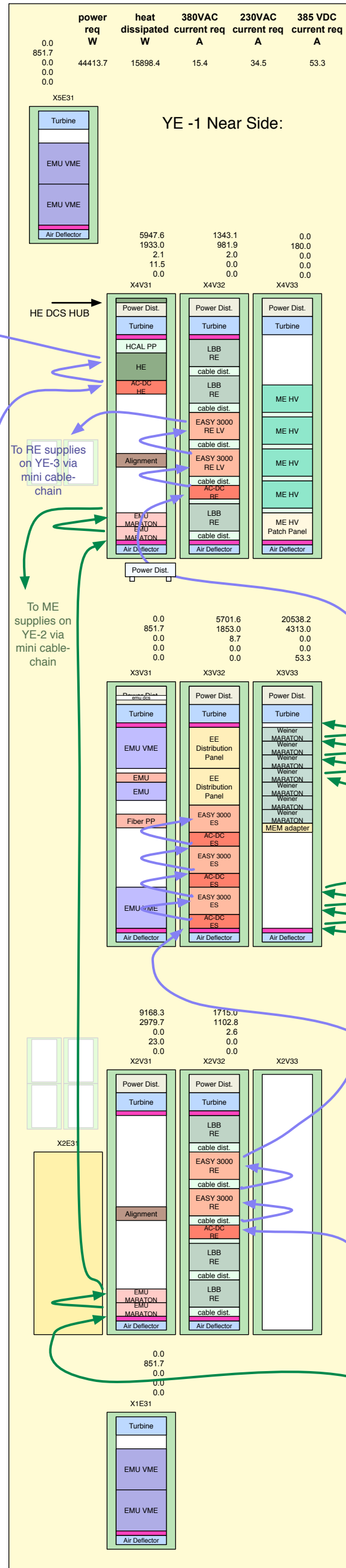
Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	0.0	0.0	0.0	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	1933.0	2.1	11.5	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	851.7	0.0	0.0	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	2979.7	0.0	23.0	0.0

Power req (W)	Heat dissipated (W)	380 VAC current req. (A)	230 VAC current req. (A)	385 VDC current req. (A)
0.0	851.7	0.0	0.0	0.0



CANBus Cables
12mm dia.
SCEM 04.21.60.420.5

CANBus Cables
12mm dia.
SCEM 04.21.60.420.5

5553056- resv.
5553055- resv.
5553053- resv.
5553054- resv.
5553052- resv.

CAEN DCS Cables
25 TWP, 12mm dia.
SCEM 04.21.51.550.4

5553071- resv.
5553077- resv.

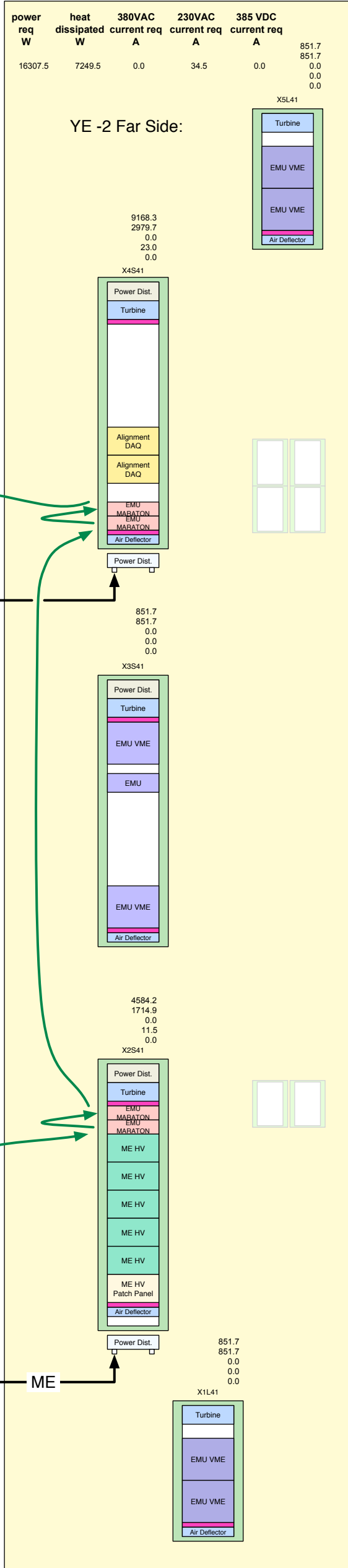
5553060- resv.
5553072- resv.
5553078- resv.
5553063- resv.

CAEN DCS Cables
25 TWP, 12mm dia.
SCEM 04.21.51.550.4

5553068- resv.
5553069- resv.
5553061- resv.
5553062- resv.

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
32614.9	14499.1	0.0	69.0	0.0

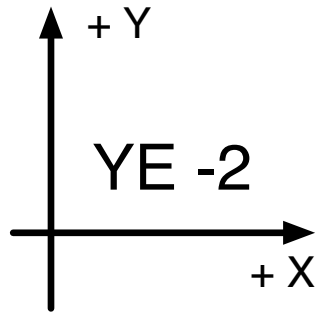
Not for crate and rack installation



Power req	(W)	851.7
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

Power req	(W)	851.7
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

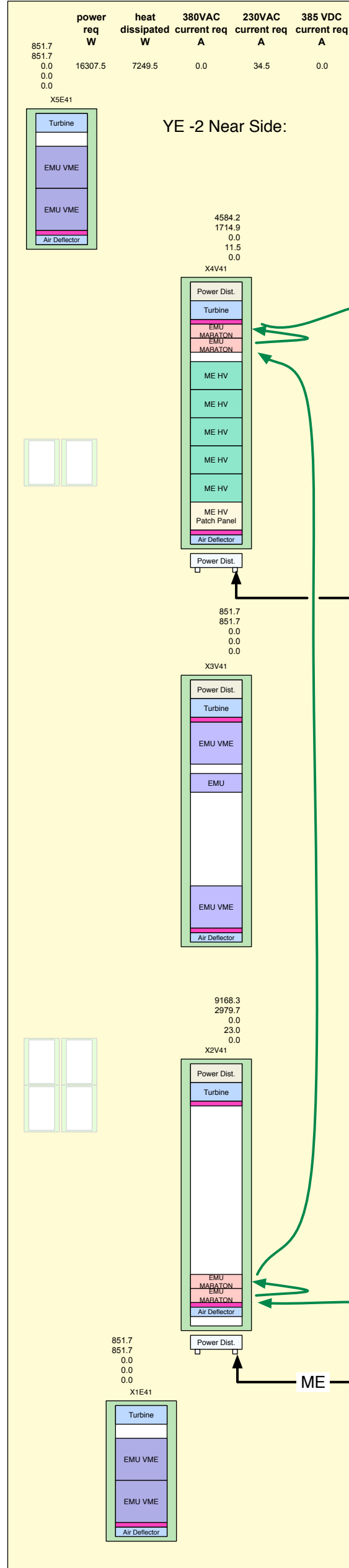
Power req	(W)	851.7
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0



View from Jura

Power req	(W)	9168.3
Heat dissipated	(W)	2979.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	23.0
385 VDC current req.	(A)	0.0

Power req	(W)	851.7
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0



YE -2 Near Side:

Power req	(W)	851.7
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

Power req	(W)	851.7
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

Power req	(W)	851.7
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

Power req	(W)	9168.3
Heat dissipated	(W)	2979.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	23.0
385 VDC current req.	(A)	0.0

Power req	(W)	851.7
Heat dissipated	(W)	851.7
380 VAC current req.	(A)	0.0
230 VAC current req.	(A)	0.0
385 VDC current req.	(A)	0.0

Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

CANBus Cables
12mm dia.
SCEM 04.21.60.420.5

ME

YE2 Mini-Cable Chain

To ME supplies on YE-3

From ME supplies on YE-1

Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

CANBus Cables
12mm dia.
SCEM 04.21.60.420.5

ME

YE2 Mini-Cable Chain

To ME supplies on YE-3

From ME supplies on YE-1

YE1 Patch Panel

Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

YE1 Patch Panel

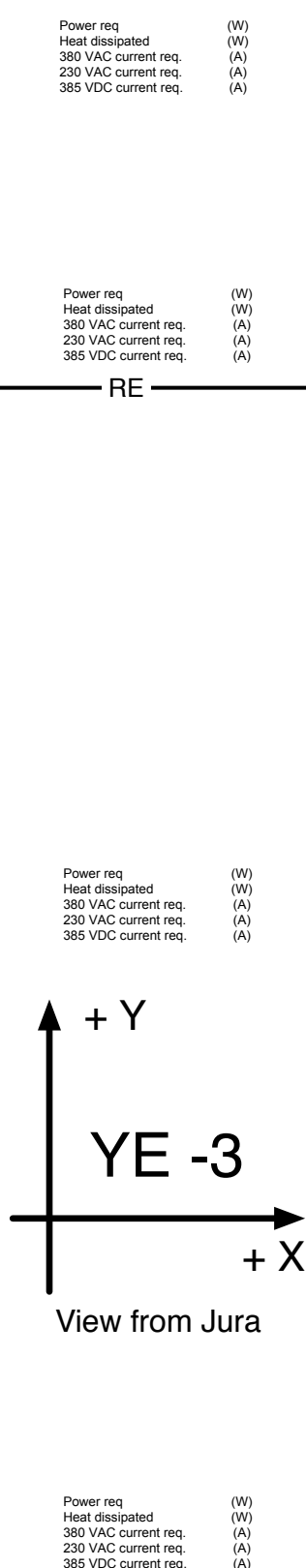
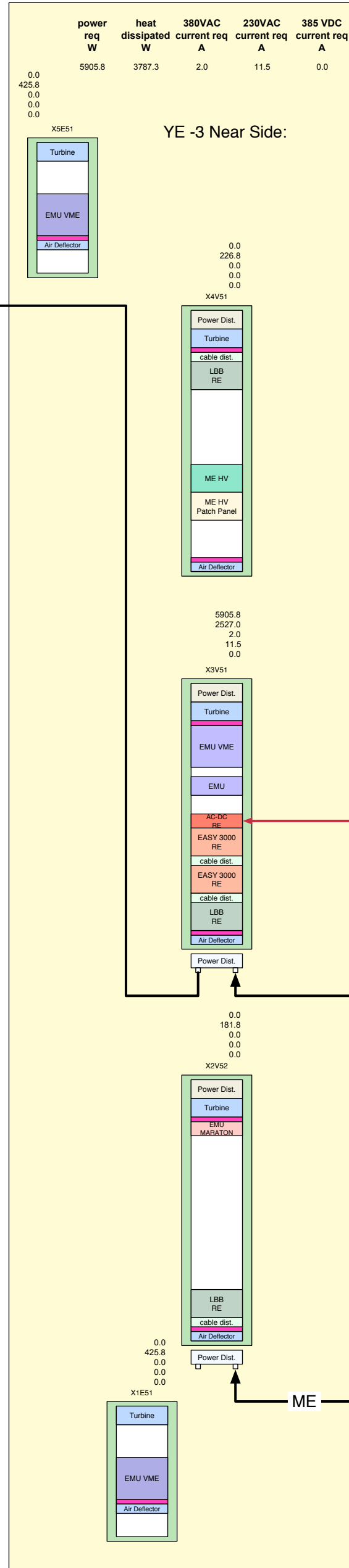
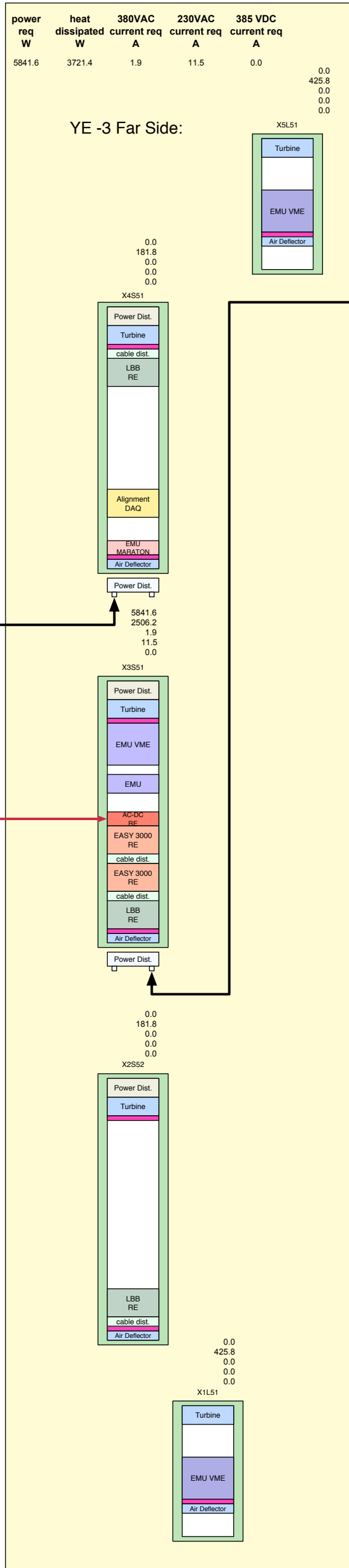
Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

YE -3 Total:

Power figures updated 30 May 06
Layout updated 08 May 07

power req W	heat dissipated W	380VAC current req A	230VAC current req A	385 VDC current req A
11747.5	7508.7	3.9	23.0	0.0

Not for crate and rack installation



Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6
Individual Pairs, 10mm dia.
SCEM 04.08.61.454.0

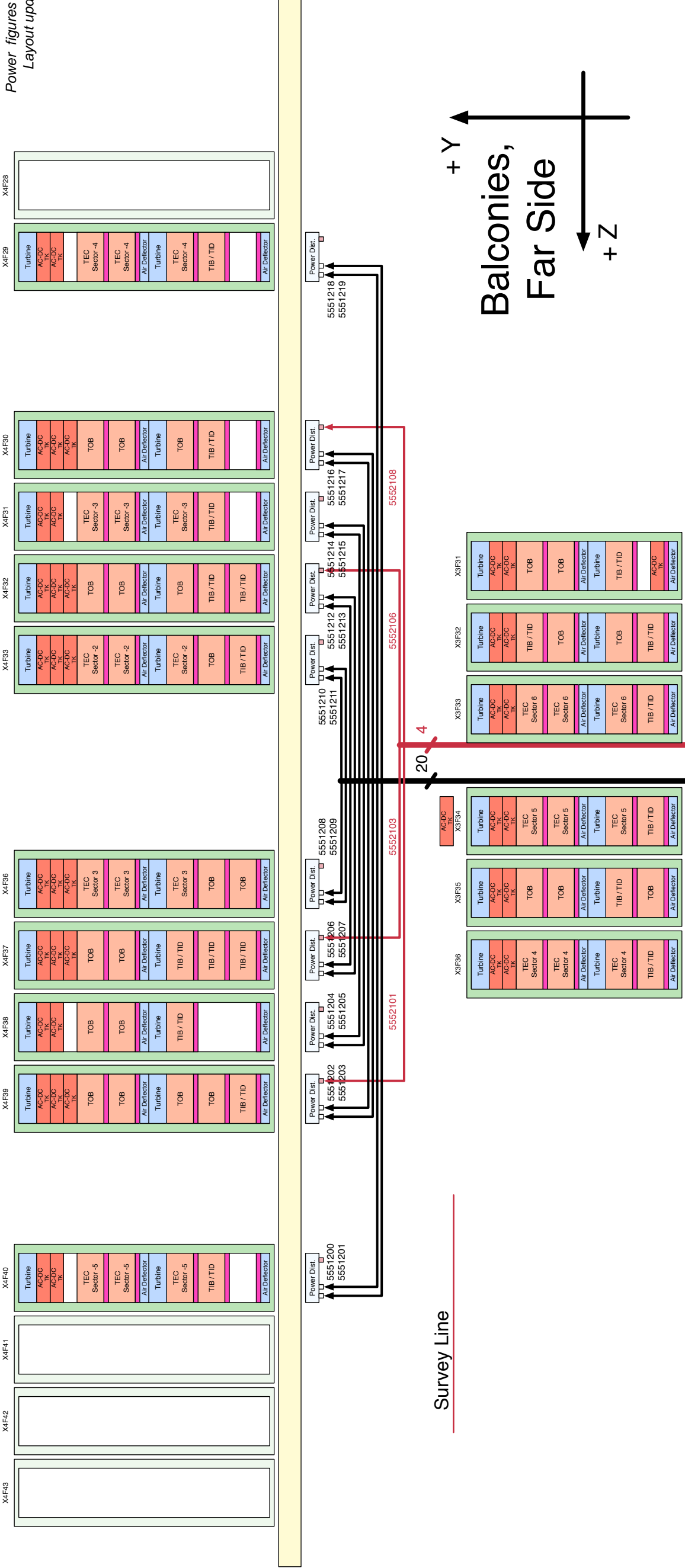
From RE supplies on YE-1

Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6
Individual Pairs, 10mm dia.
SCEM 04.08.61.454.0

From RE supplies on YE-1

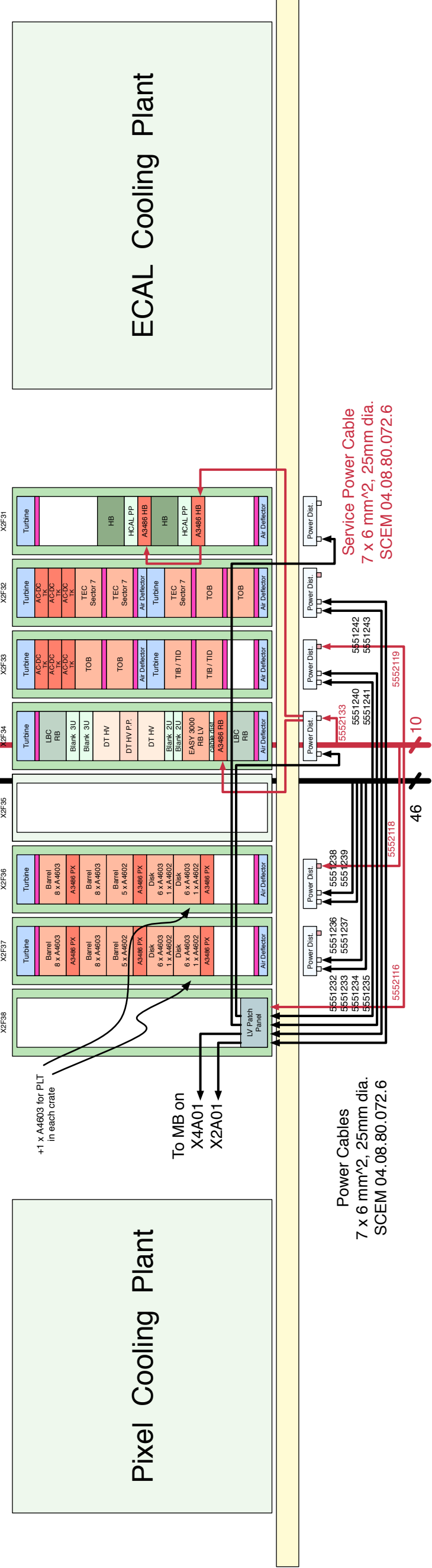
5551128

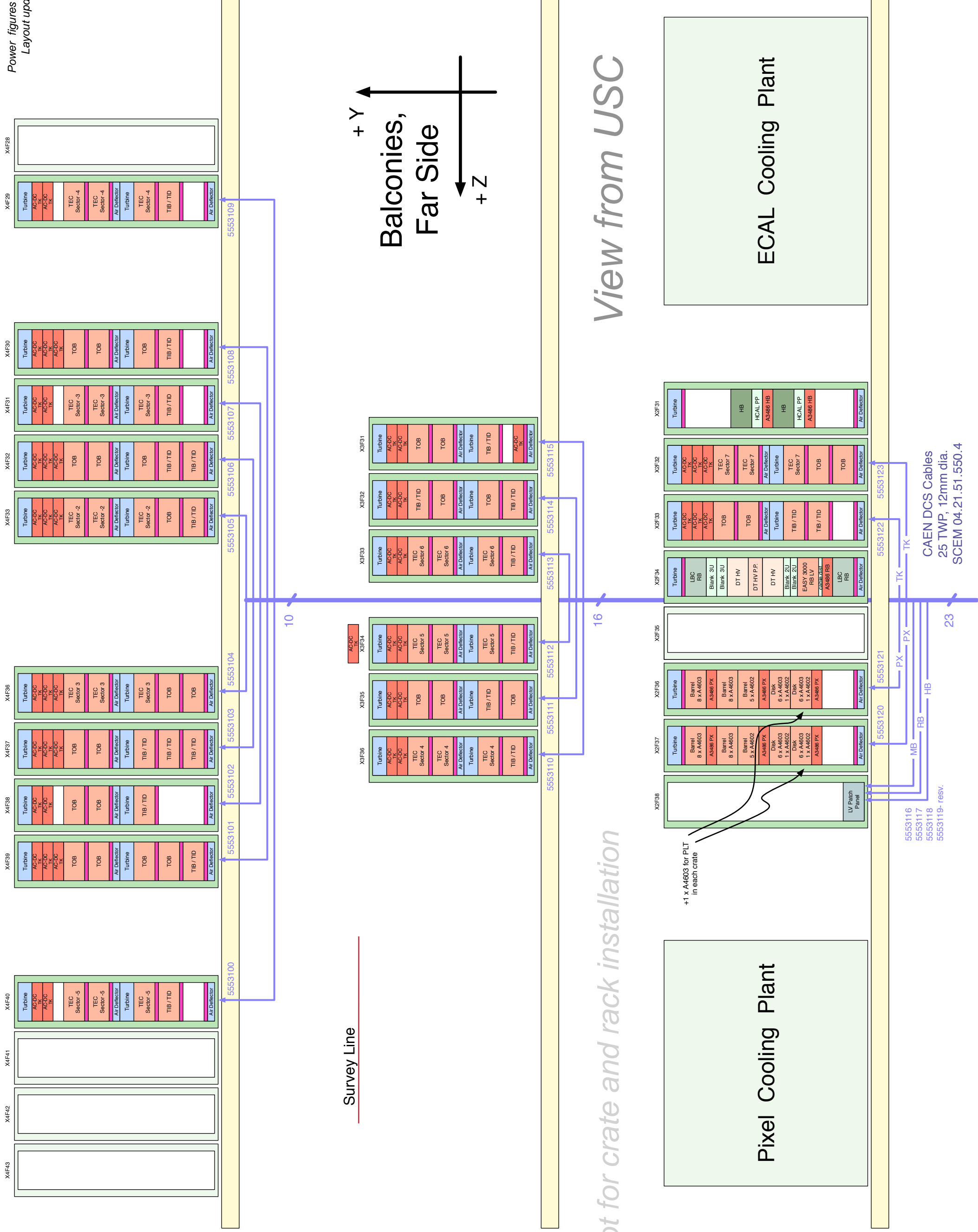
5551130



Not for crate and rack installation

View from USC





Survey Line

Balconies,
Far Side

+Y

+Z

Not for crate and rack installation

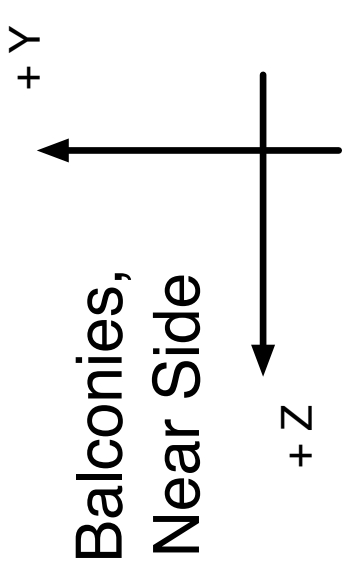
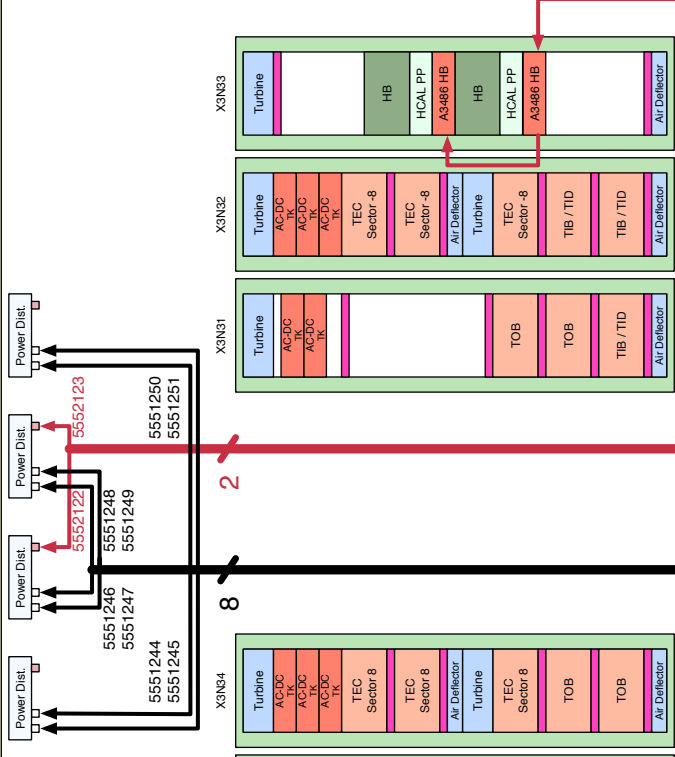
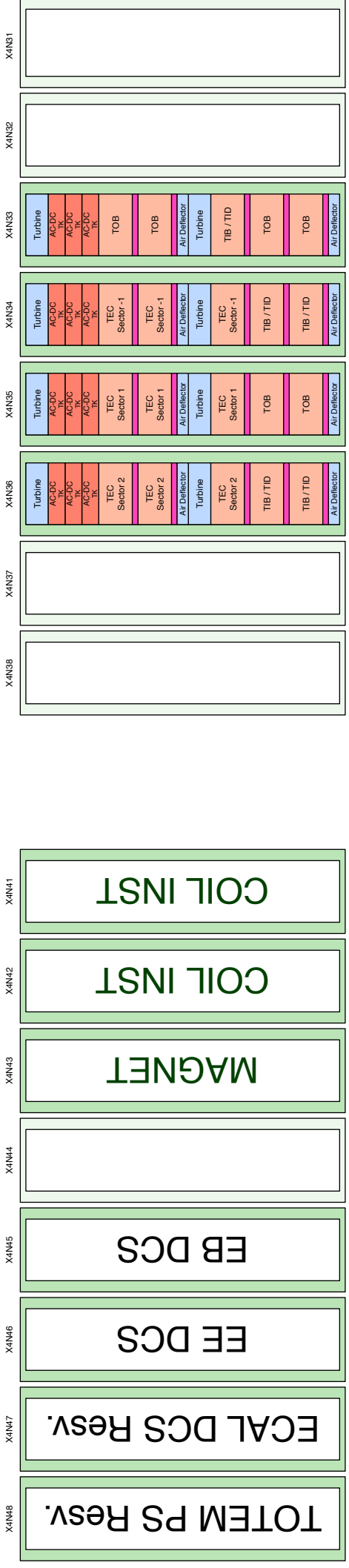
View from USC

Pixel Cooling Plant

ECAL Cooling Plant

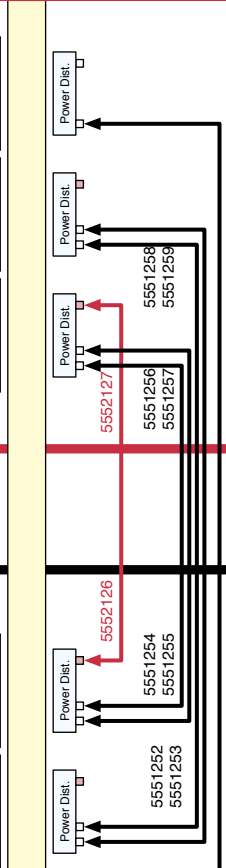
CAEN DCS Cables
25 TWP, 12mm dia.
SCEM 04.21.51.550.4

5553116
5553117
5553118
5553119- rev.

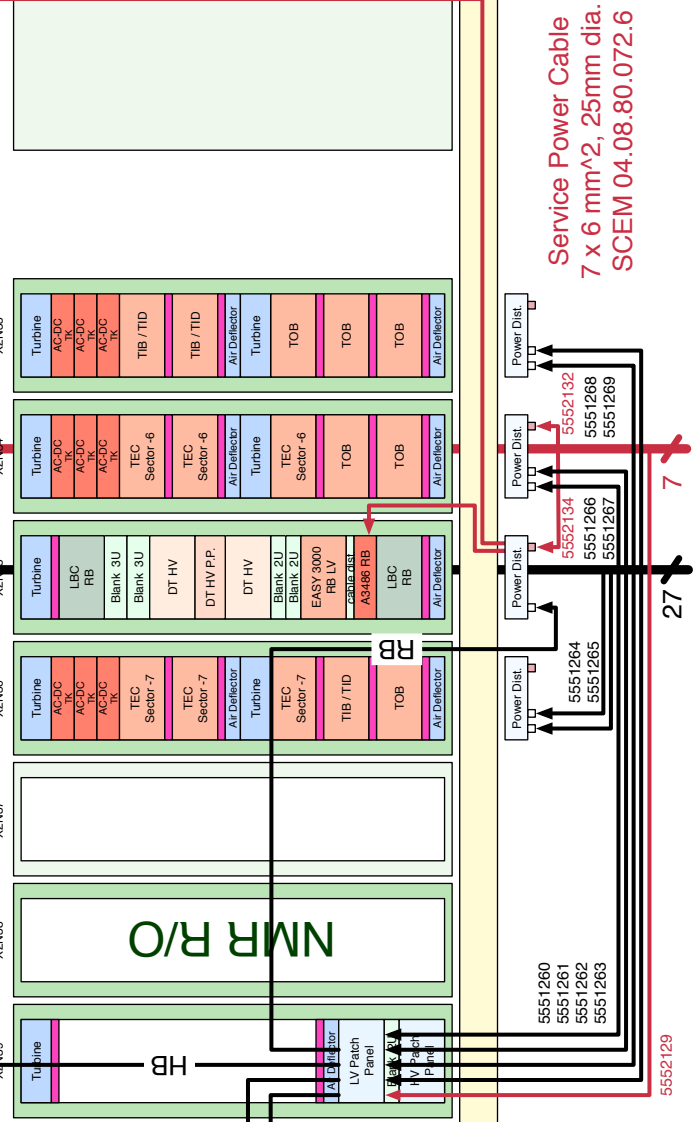


Balconies,
Near Side

Not for crate and rack installation



View from USC

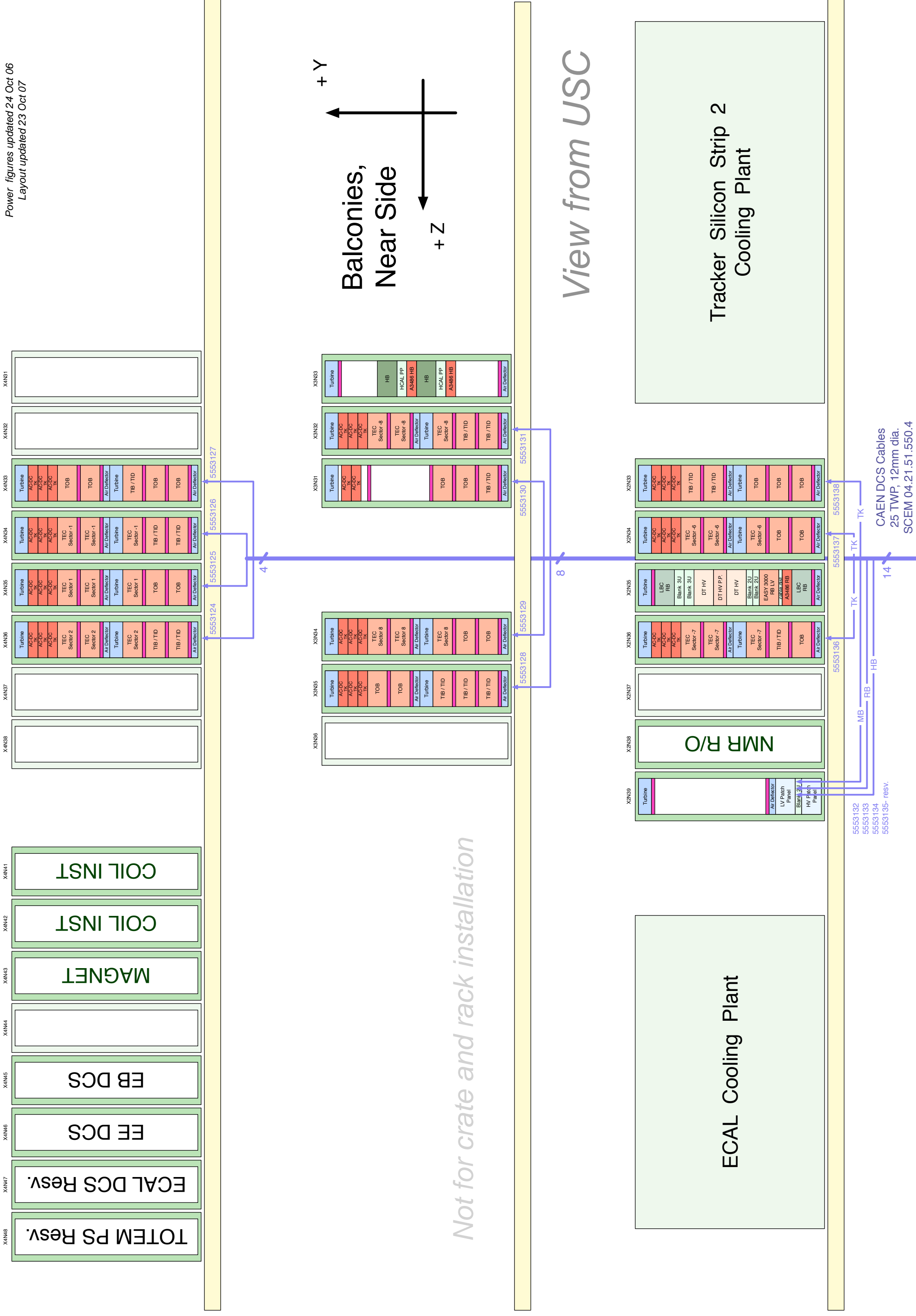


Tracker Silicon Strip 2
Cooling Plant

ECAL Cooling Plant

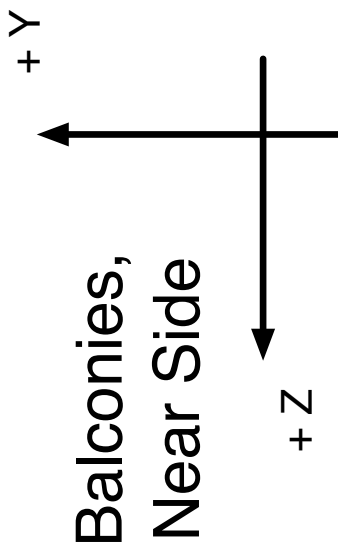
Power Cables
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6

Service Power Cable
7 x 6 mm², 25mm dia.
SCEM 04.08.80.072.6



Not for crate and rack installation

View from USC



ECAL Cooling Plant

Tracker Silicon Strip 2
Cooling Plant

NMR R/O

COIL INST

COIL INST

MAGNET

EB DCS

EE DCS

ECAL DCS Resv.

TOTEM PS Resv.

5553132
5553133
5553134
5553135-resv.

CAEN DCS Cables
25 TWP, 12mm dia.
SCEM 04.21.51.550.4