

Front view  
1:25

NP-02

Detector penetrations

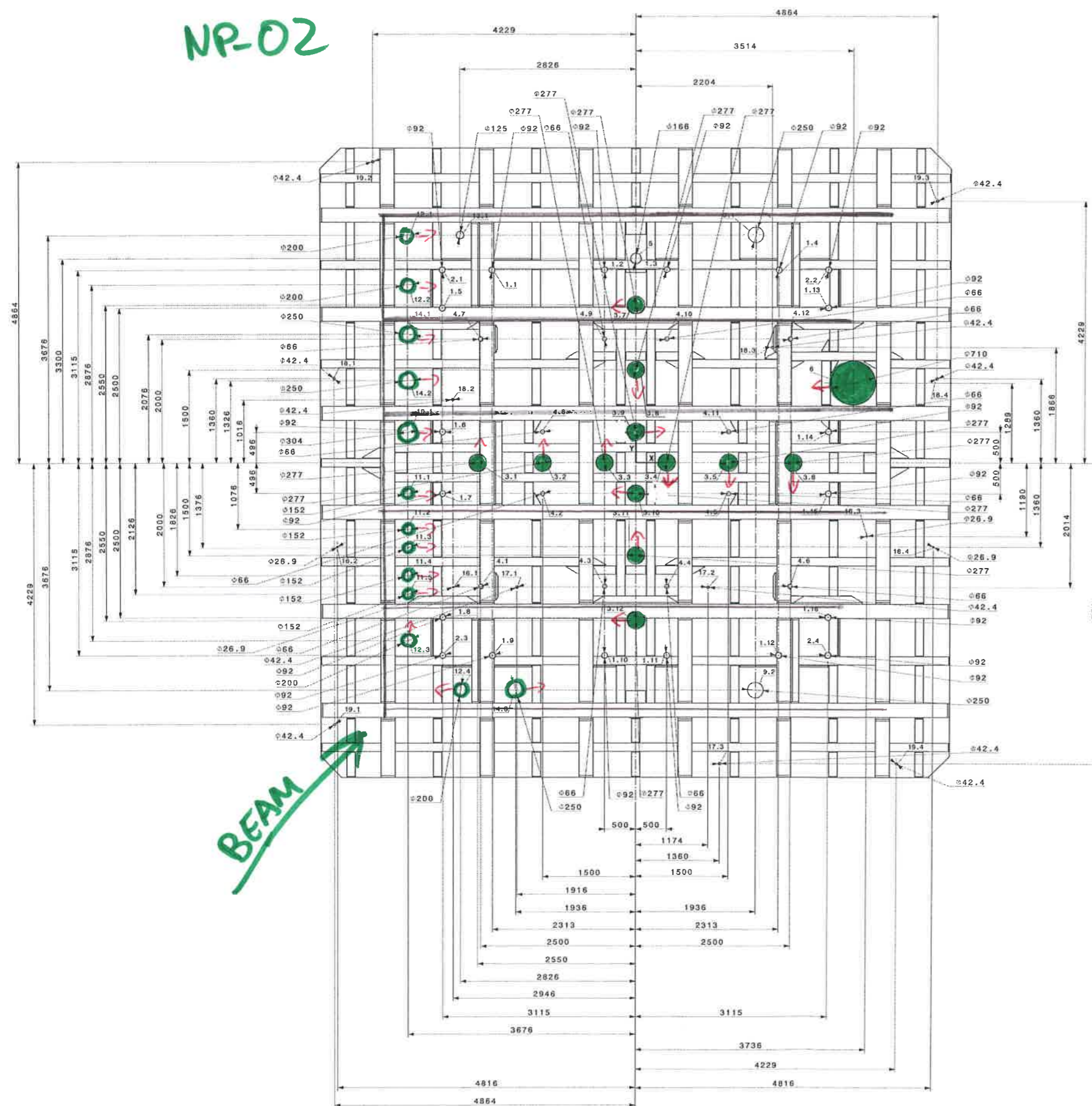
Pos.	Diameter [mm]	X	Y	Description
1.1	Ø92	-2313	3115	Field Cage Suspension
1.2		-500	3115	Field Cage Suspension
1.3		500	3115	Field Cage Suspension
1.4		2313	3115	Field Cage Suspension
1.5		-3115	2500	Field Cage Suspension
1.6		-3115	500	Field Cage Suspension
1.7		-3115	-500	Field Cage Suspension
1.8		-3115	-2500	Field Cage Suspension
1.9		-2313	-3115	Field Cage Suspension
1.10		-500	-3115	Field Cage Suspension
1.11		500	-3115	Field Cage Suspension
1.12		2313	-3115	Field Cage Suspension
1.13		3115	2500	Field Cage Suspension
1.14		3115	500	Field Cage Suspension
1.15		3115	-500	Field Cage Suspension
1.16		3115	-2500	Field Cage Suspension
2.1	Ø92	-3115	3115	Slow Control Chimneys
2.2		3115	3115	Slow Control Chimneys
2.3		-3115	-3115	Slow Control Chimneys
2.4		3115	-3115	Slow Control Chimneys
3.1	Ø277	-2550	0	Signal Chimneys FTS
3.2		-1500	0	Signal Chimneys FTS
3.3		-500	0	Signal Chimneys FTS
3.4		500	0	Signal Chimneys FTS
3.5		1500	0	Signal Chimneys FTS
3.6		2550	0	Signal Chimneys FTS
3.7		0	2550	Signal Chimneys FTS
3.8		0	1500	Signal Chimneys FTS
3.9		0	500	Signal Chimneys FTS
3.10		0	-500	Signal Chimneys FTS
3.11		0	-1500	Signal Chimneys FTS
3.12		0	-2550	Signal Chimneys FTS
4.1	Ø66	-2500	-2000	Anode Suspensions FTS
4.2		-1500	-500	Anode Suspensions FTS
4.3		-500	-2000	Anode Suspensions FTS
4.4		500	-2000	Anode Suspensions FTS
4.5		1500	-500	Anode Suspensions FTS
4.6		2500	-2000	Anode Suspensions FTS
4.7		-2500	2000	Anode Suspensions FTS
4.8		-1500	500	Anode Suspensions FTS
4.9		-500	2000	Anode Suspensions FTS
4.10		500	2000	Anode Suspensions FTS
4.11		1500	500	Anode Suspensions FTS
4.12		2500	2000	Anode Suspensions FTS
5	Ø166	0	3300	High Voltage Feedthrough
6	Ø710	3514	1289	Manhole
9.1	Ø250	1936	3676	Spare
9.2		1936	-3676	Spare

Cryogenic penetrations

Pos.	Diameter [mm]	X	Y	Description
10.1	Ø304	-3676	496	Gar Combo
11.1	Ø152	-3676	-496	LAr Cooldown
11.2		-3676	-1076	LAr Distribution
11.3		-3676	-1376	Spare
11.4		-3676	-1826	LAr Cooldown to Condenser
11.5		-3676	-2126	Gar Boil Off
12.1	Ø200	-3676	3676	Spare
12.2		-3676	2876	Spare
12.3		-3676	-2876	Backup PSV/VSV
12.4		-2826	-3676	Spare
13.1	Ø125	-2826	3676	Instrumentation
14.1	Ø250	-3676	2076	Spare & Instrumentation
14.2		-3676	1326	Spare & Instrumentation
14.3		-1936	-3676	Main PSV/VSV

GTT penetrations

Pos.	Diameter [mm]	X	Y	Oty.	Description
16.1	Ø26.9	-2946	-2014	4	Primary insulation space supply
16.2		-4816	-1360		Secondary insulation space supply
16.3		3736	-1190		Primary insulation space exhaust
16.4		4816	-1360		Secondary insulation space exhaust
17.1	Ø42.4	-1916	-2014	3	Primary insulation space PT002
17.2		1174	-2014		Primary insulation space PT003
17.3		1360	-4864		Secondary insulation space PT001
18.1	Ø42.4	-4864	1360	4	Primary insulation space PRV CF003
18.2		-2946	1016		Secondary insulation space PRV CF001
18.3		2204	1866		Primary insulation space PRV CF004
18.4		4864	1360		Secondary insulation space PRV CF002
19.1	Ø42.4	-4229	4864	4	Temperature sensors
19.2		4864	4229		Temperature sensors
19.3		4229	-4864		Temperature sensors
19.4		-4864	-4229		Temperature sensors



BEAM

FOR DISCUSSION  
ROOF PENETRATIONS  
STEEL STRUCTURE-WA 105X2  
NOT VALID FOR EXECUTION  
NOT VALID FOR EXECUTION

WA105 Cryostat  
ROOF PENETRATIONS  
STEEL STRUCTURE-WA 105X2  
NOT VALID FOR EXECUTION  
NOT VALID FOR EXECUTION  
CEN105CR0247  
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