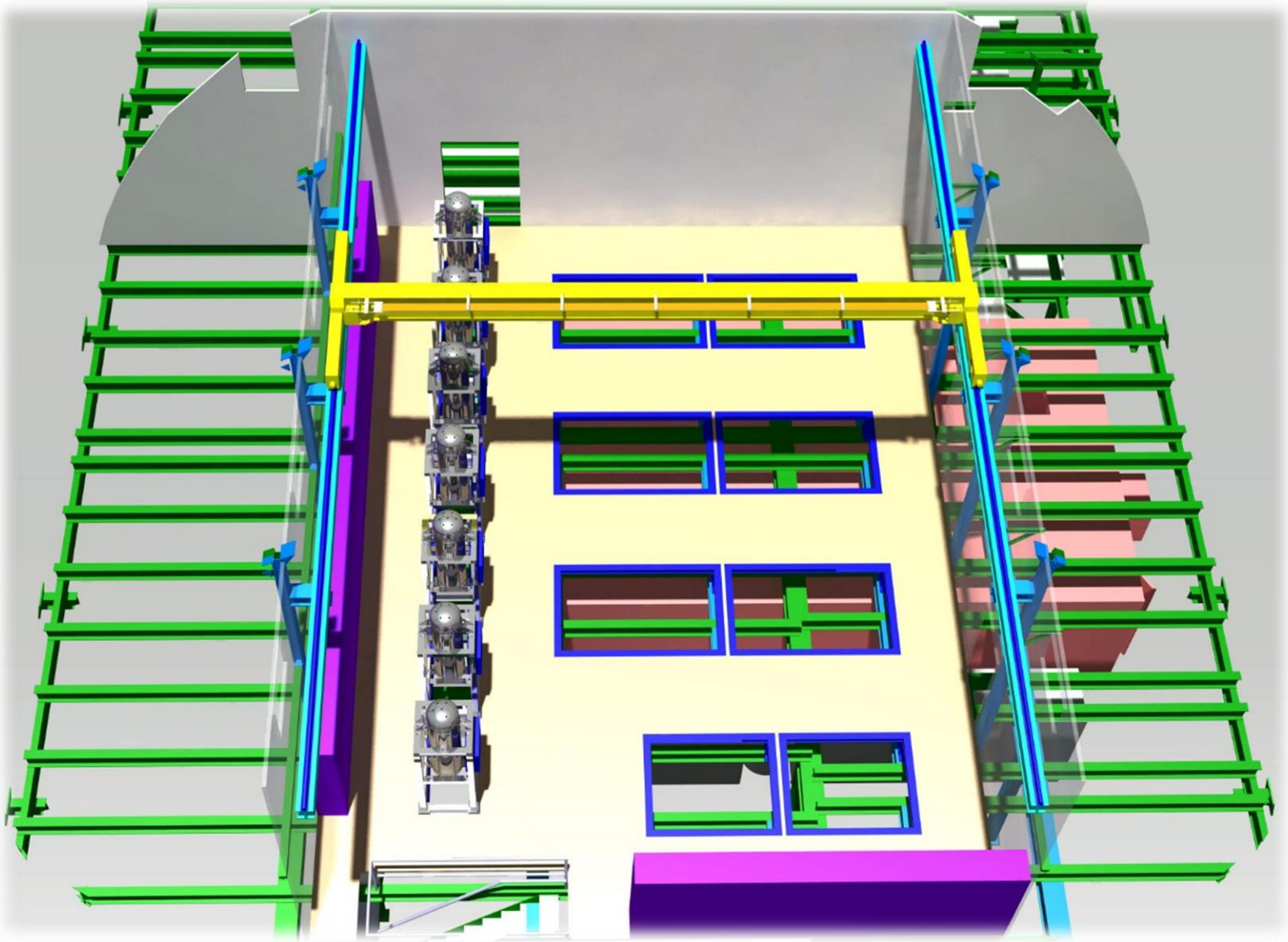
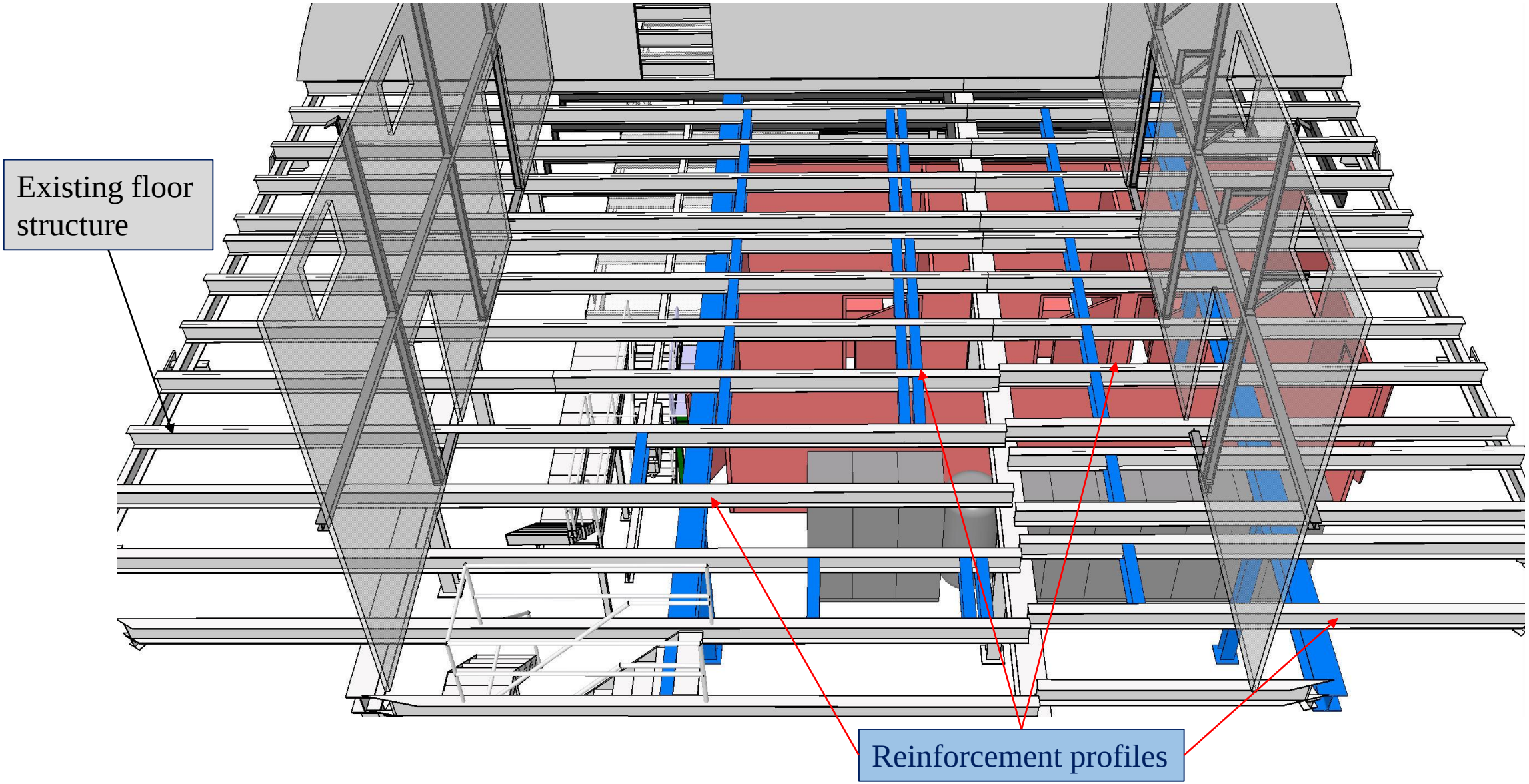
CO2 system in USC Ph2

- Floor reinforcements
- Raised floor
- 3T Crane



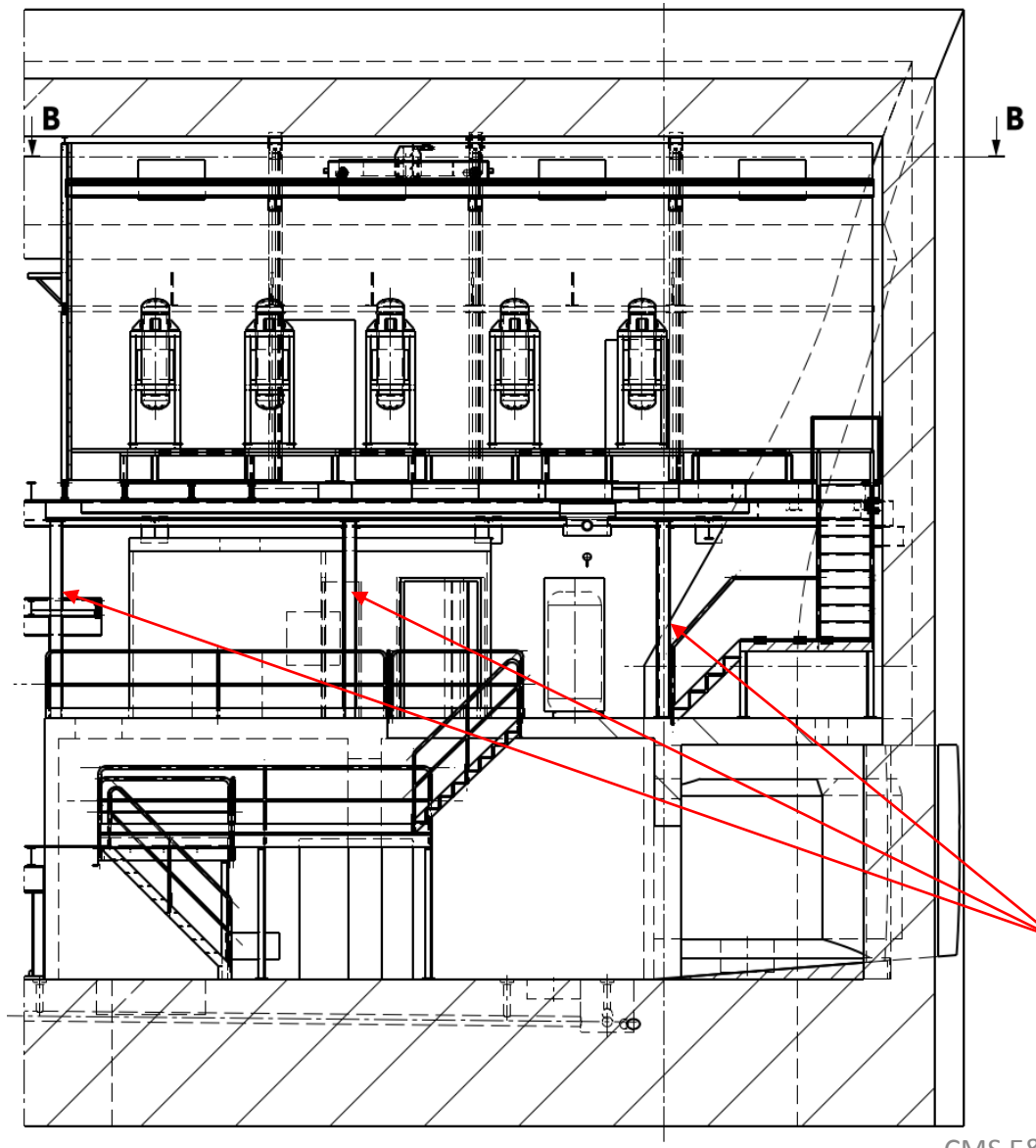
❑ Floor reinforcements

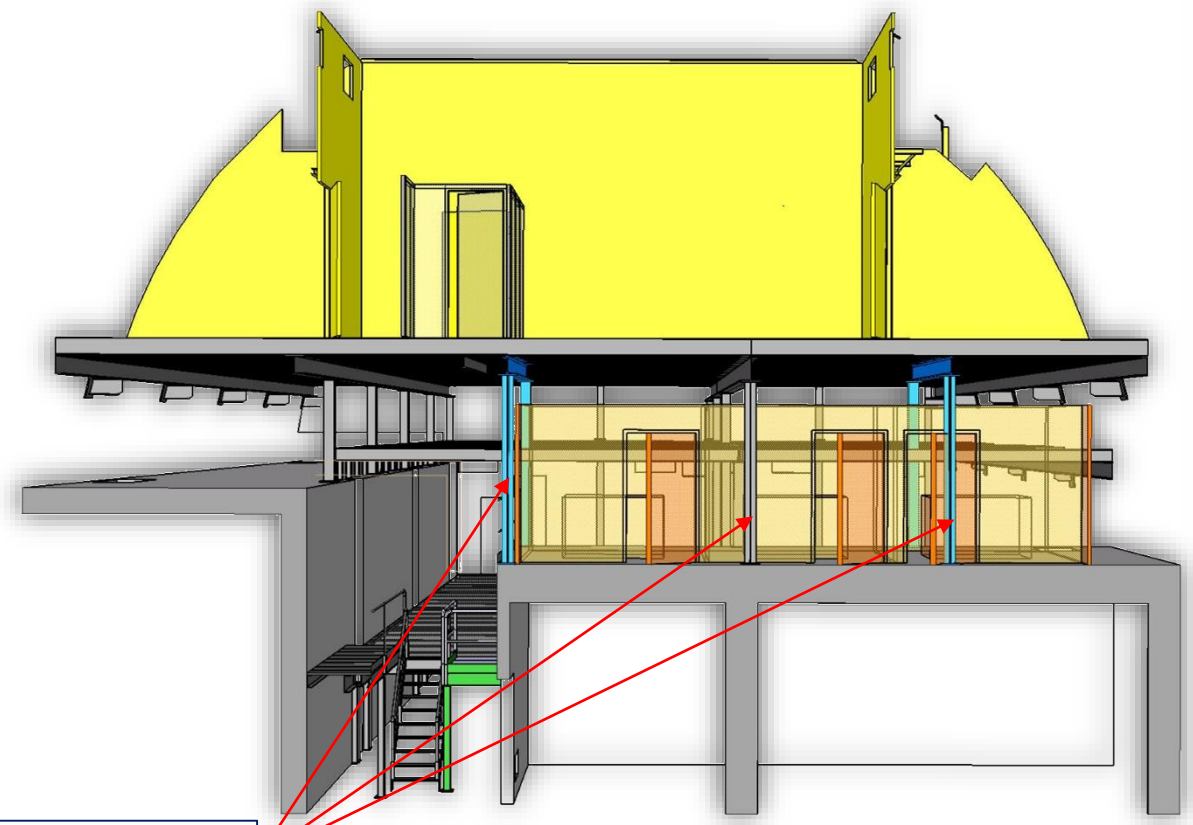


❑ Floor reinforcements

Vertical beams position

Side View

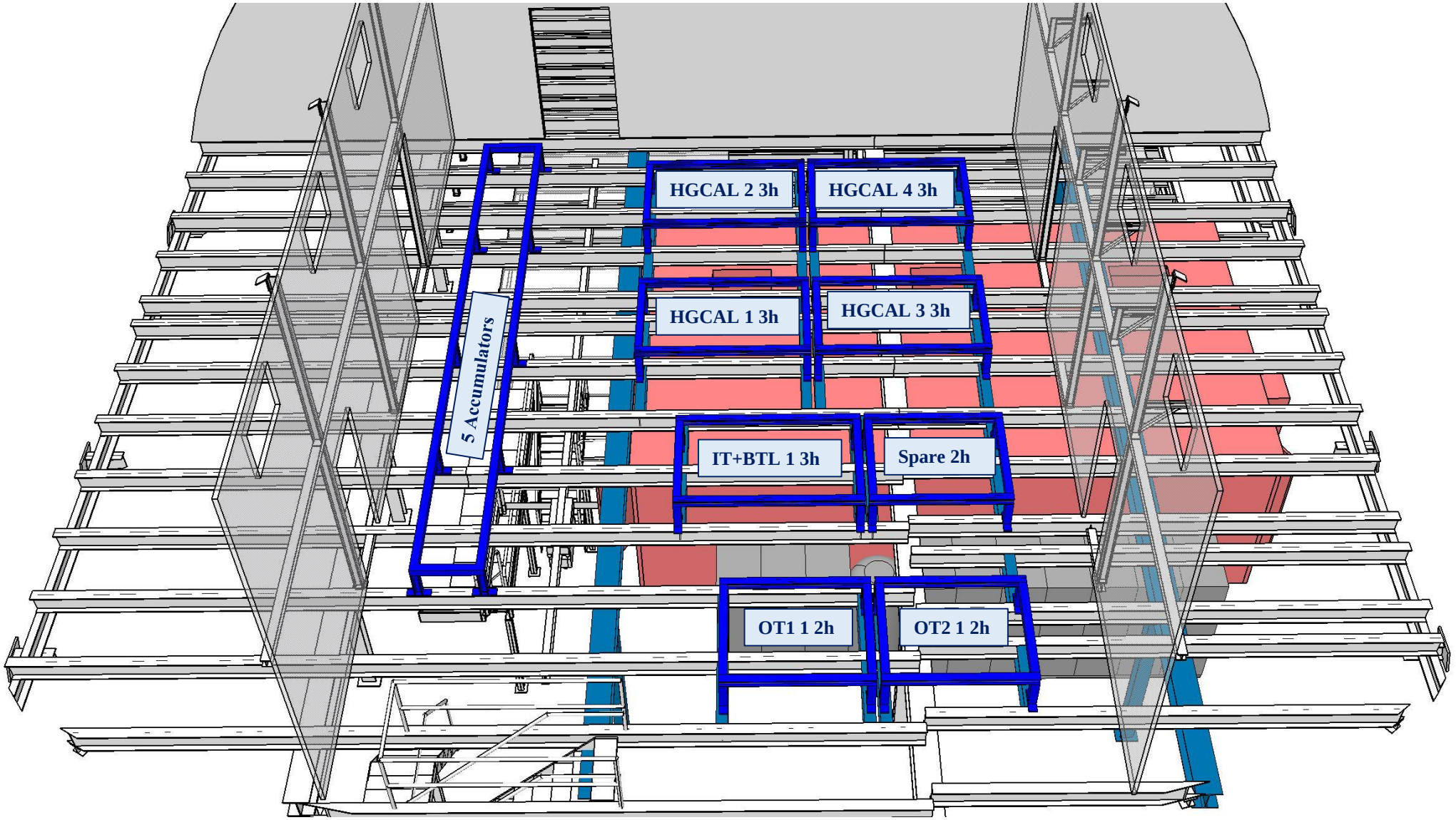




Vertical beams

Front View

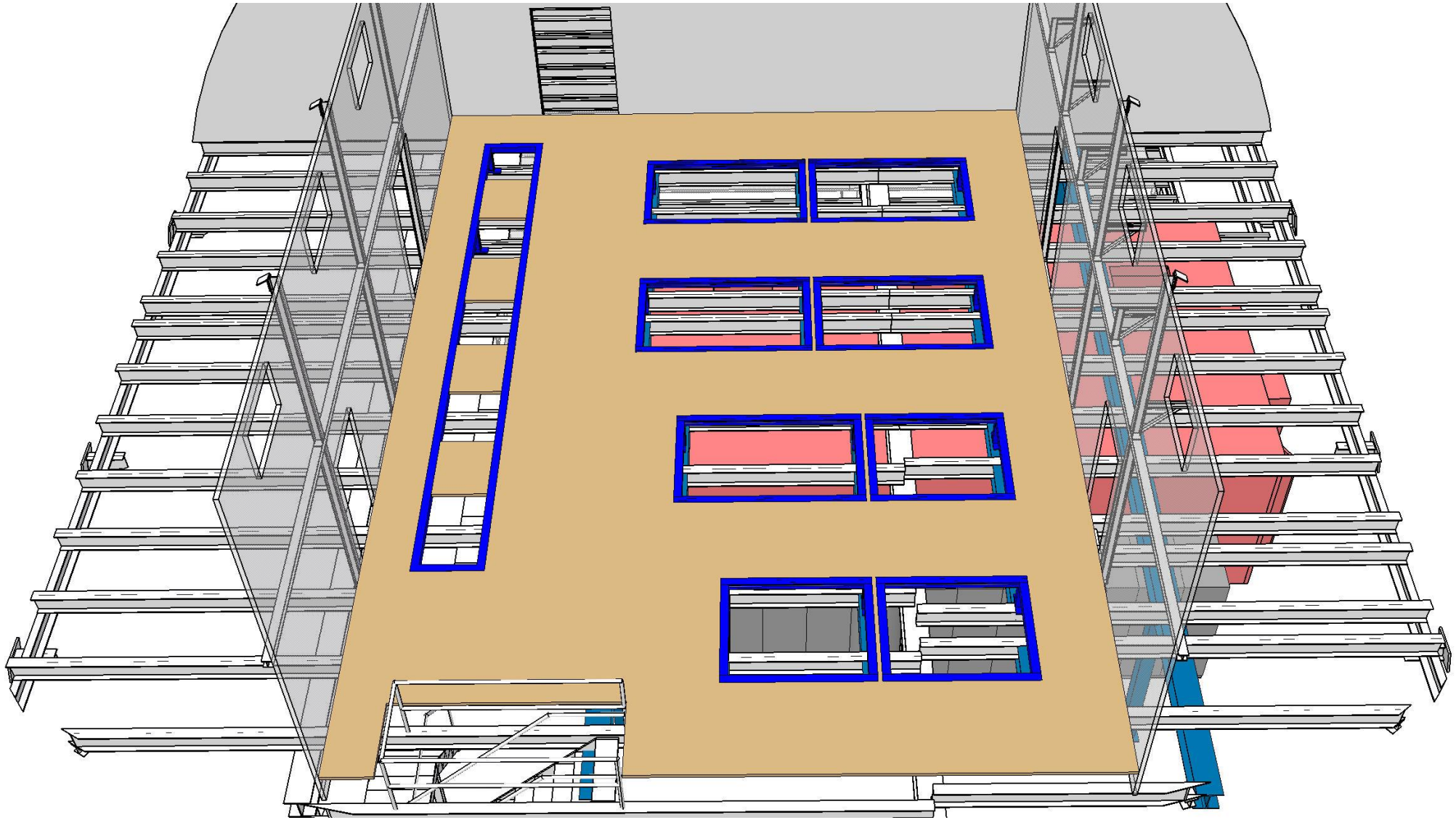
❑ Raised floor



Cooling plant and Accumulators Chassis

ISO view

❑ Raised floor

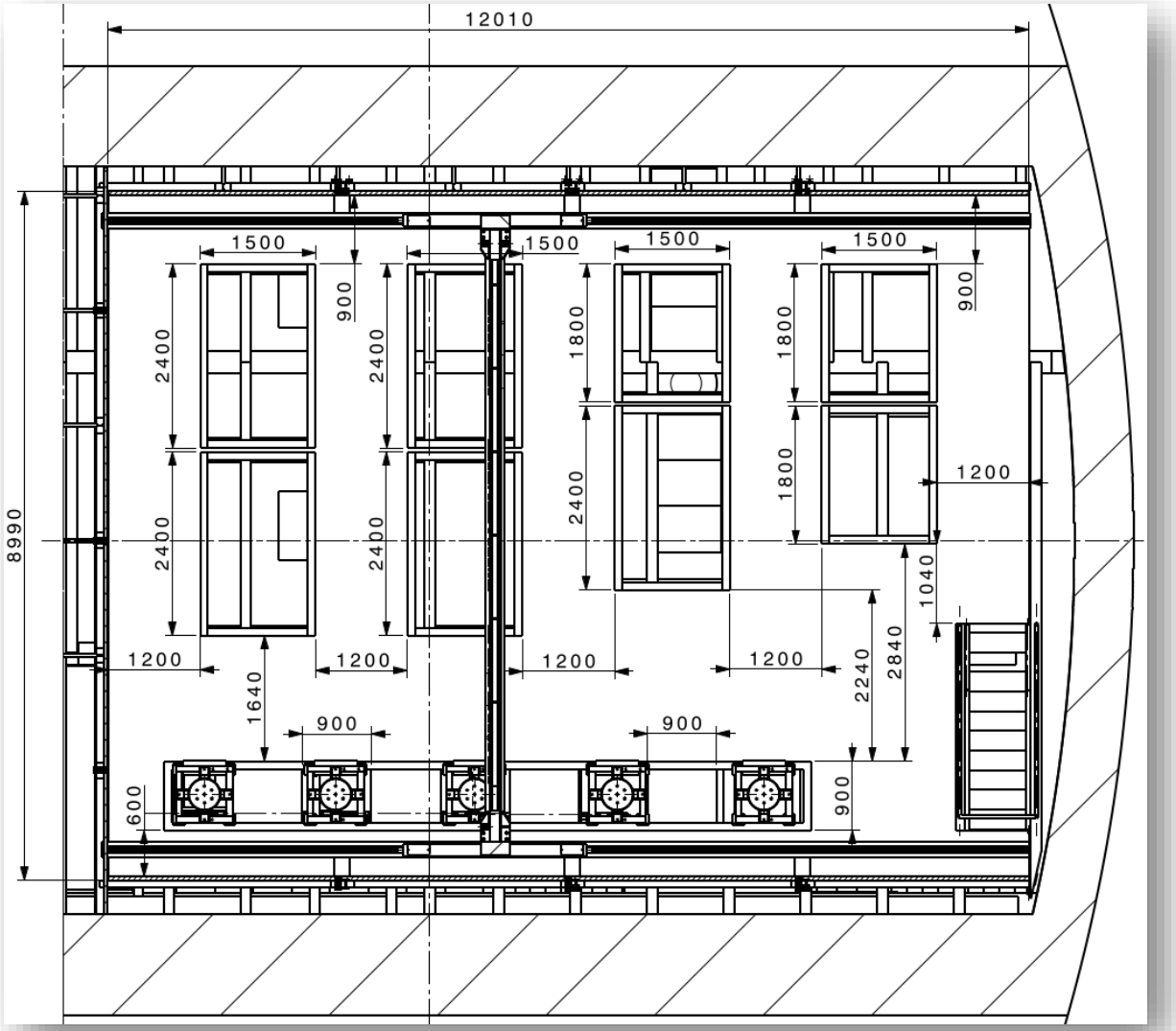


Raised floor h=500 mm

ISO View

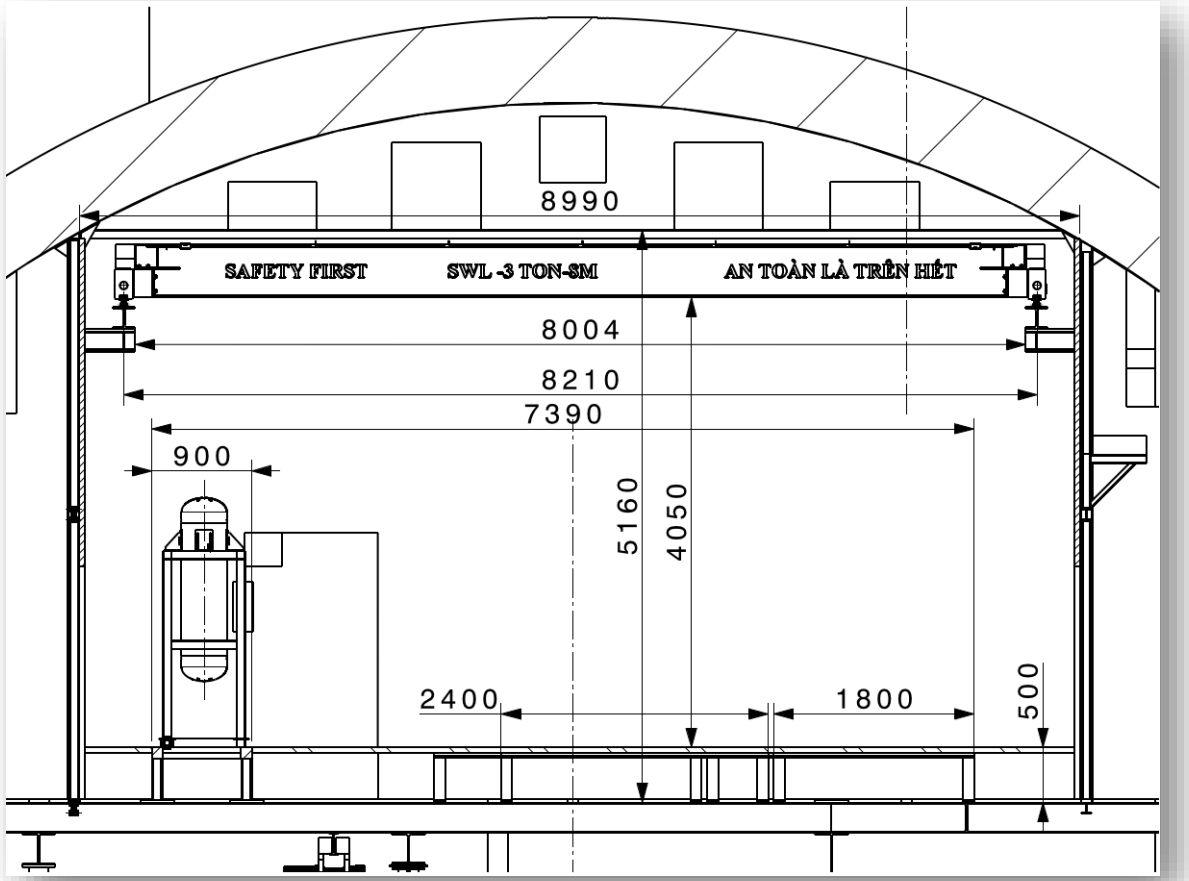
USC CO2 Cooling Room

Main parameters



USC CO2 Cooling Room

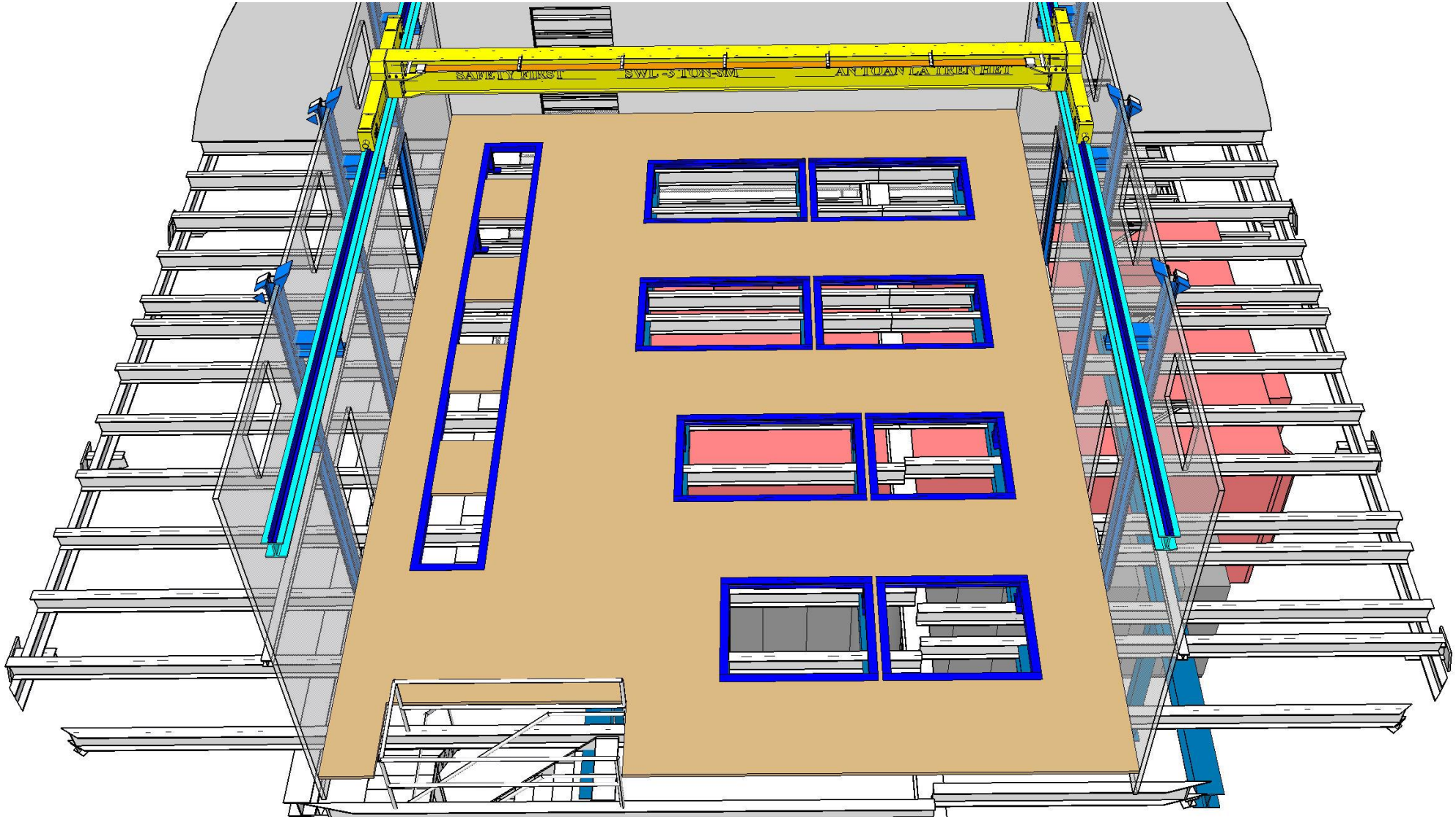
Top view

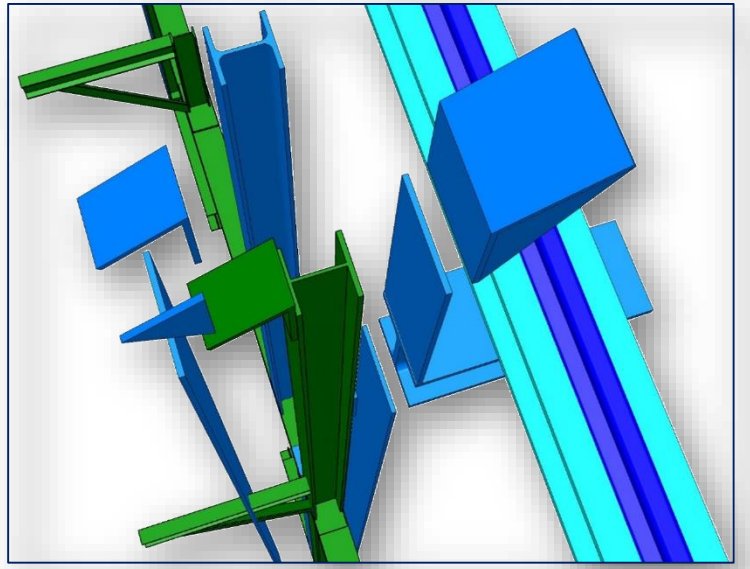


USC CO2 Cooling Room

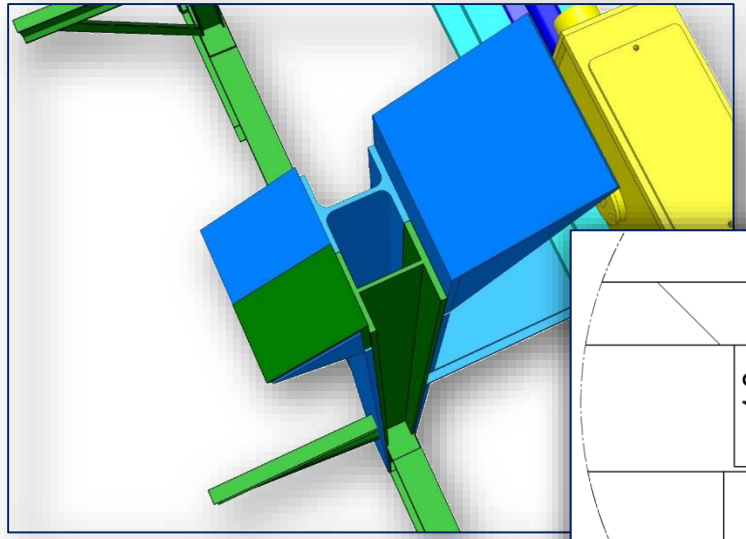
Front view

❑ 3T Crane

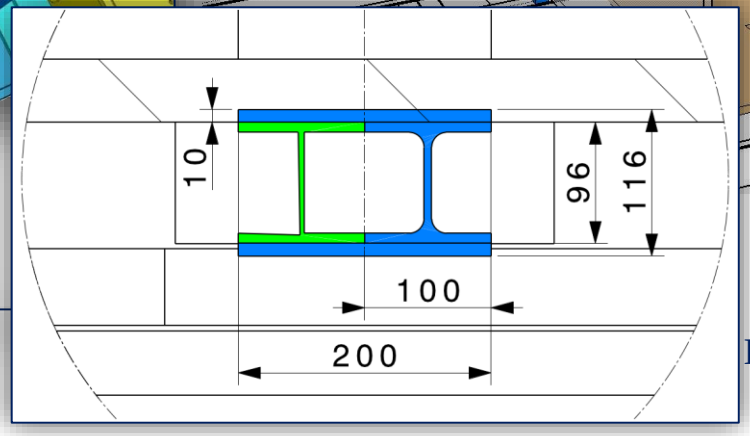




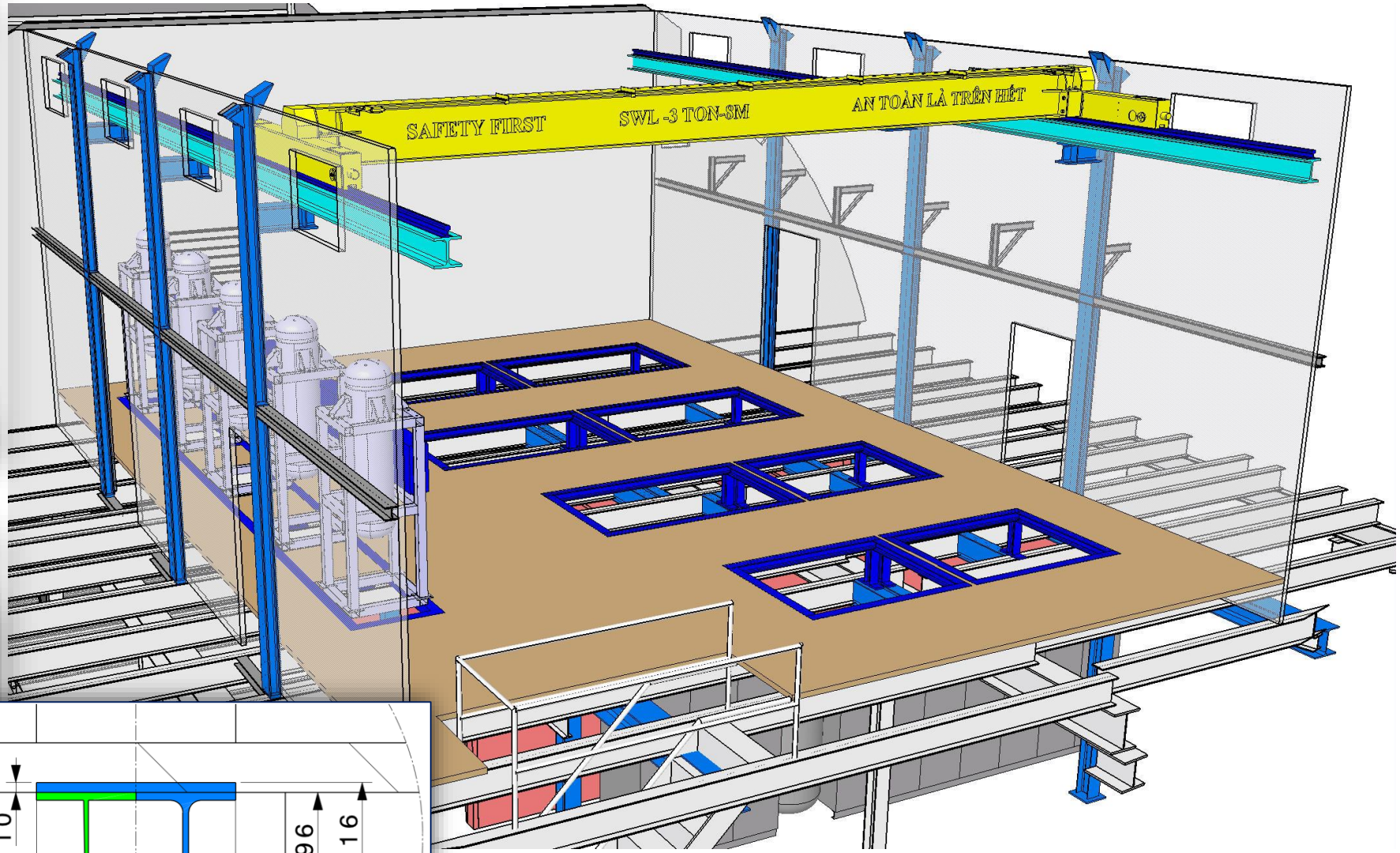
Detail: Reinforced Pillar
Exploded view



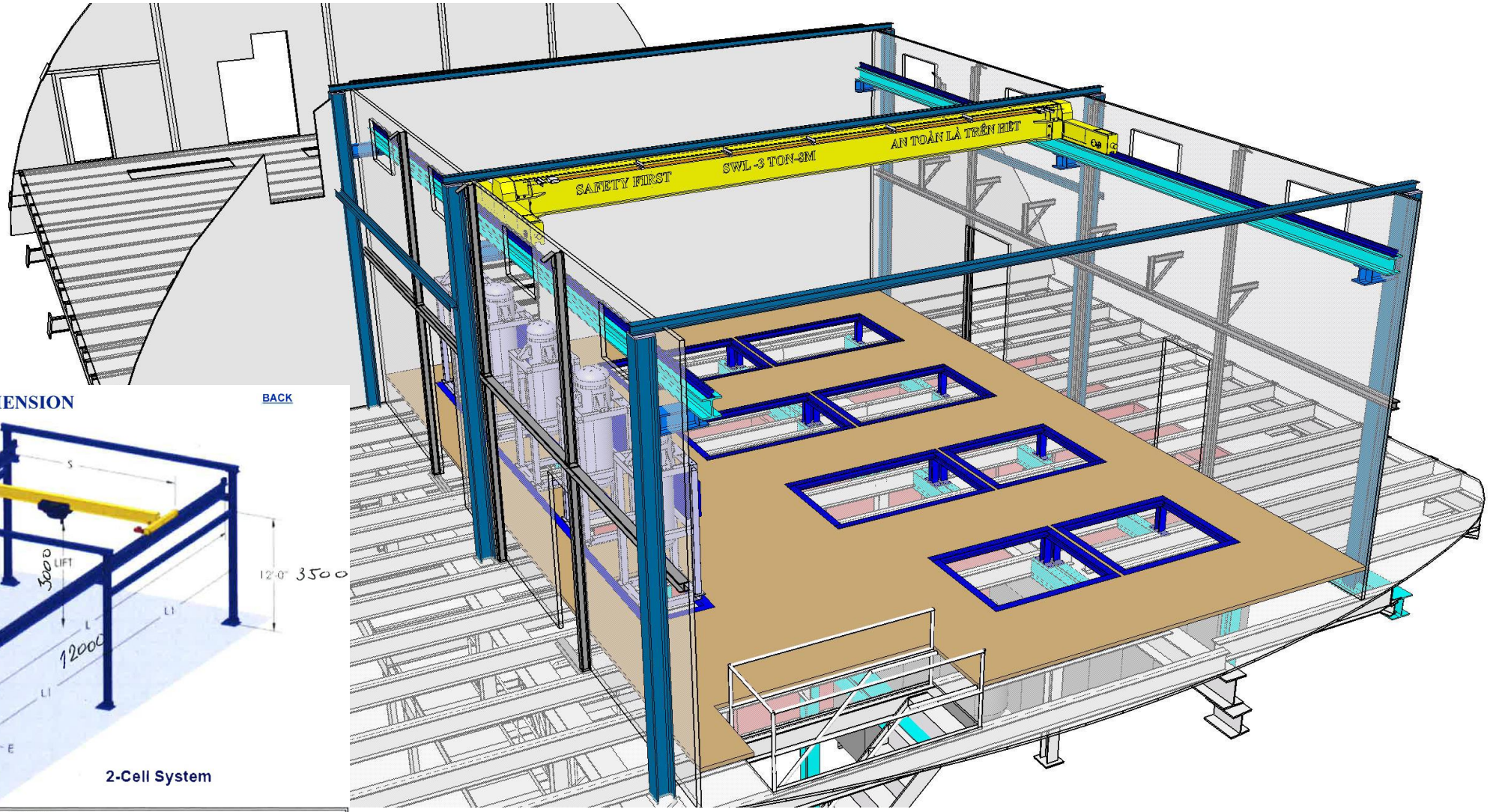
Detail: Reinforced Pillar
ISO view

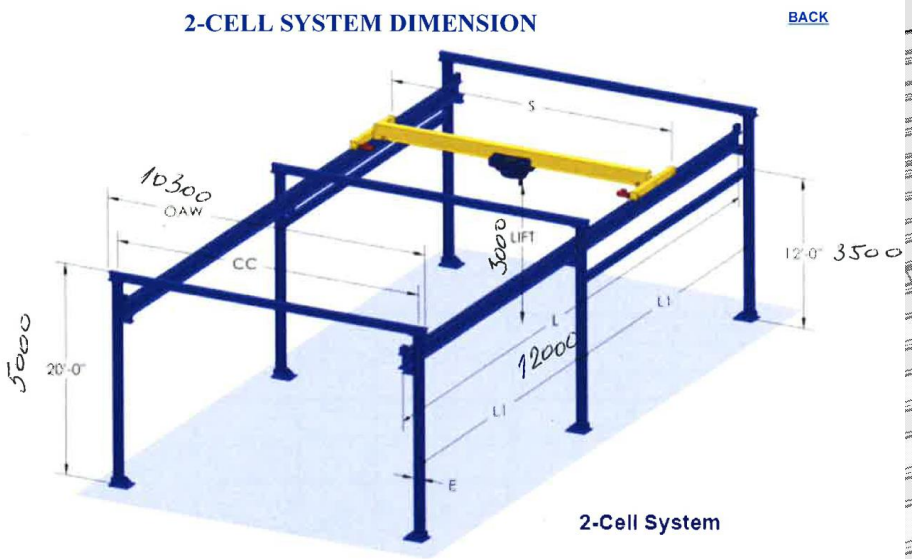


Detail: Reinforced Pillar
section view



3T Overhead Crane v0
reinforced existing metallic structure
ISO View





2-CELL SYSTEM									
Model No.	Cap. tons	FRONT DIMENSIONS					SIDE DIMENSIONS*		Price
		OAW (Overall Sys Width)	S (Crane Girder Span)	CC	Lift	E	L (Runway Length per Cell)	L1 (Center Support Dist.)	
0353040-2	3	30'	26'-8"	28'-8"	16'-1.5"	8	40'	19'	$48,745
0353050-2							50'	24'	$52,114
0353060-2							60'	29'	$56,261

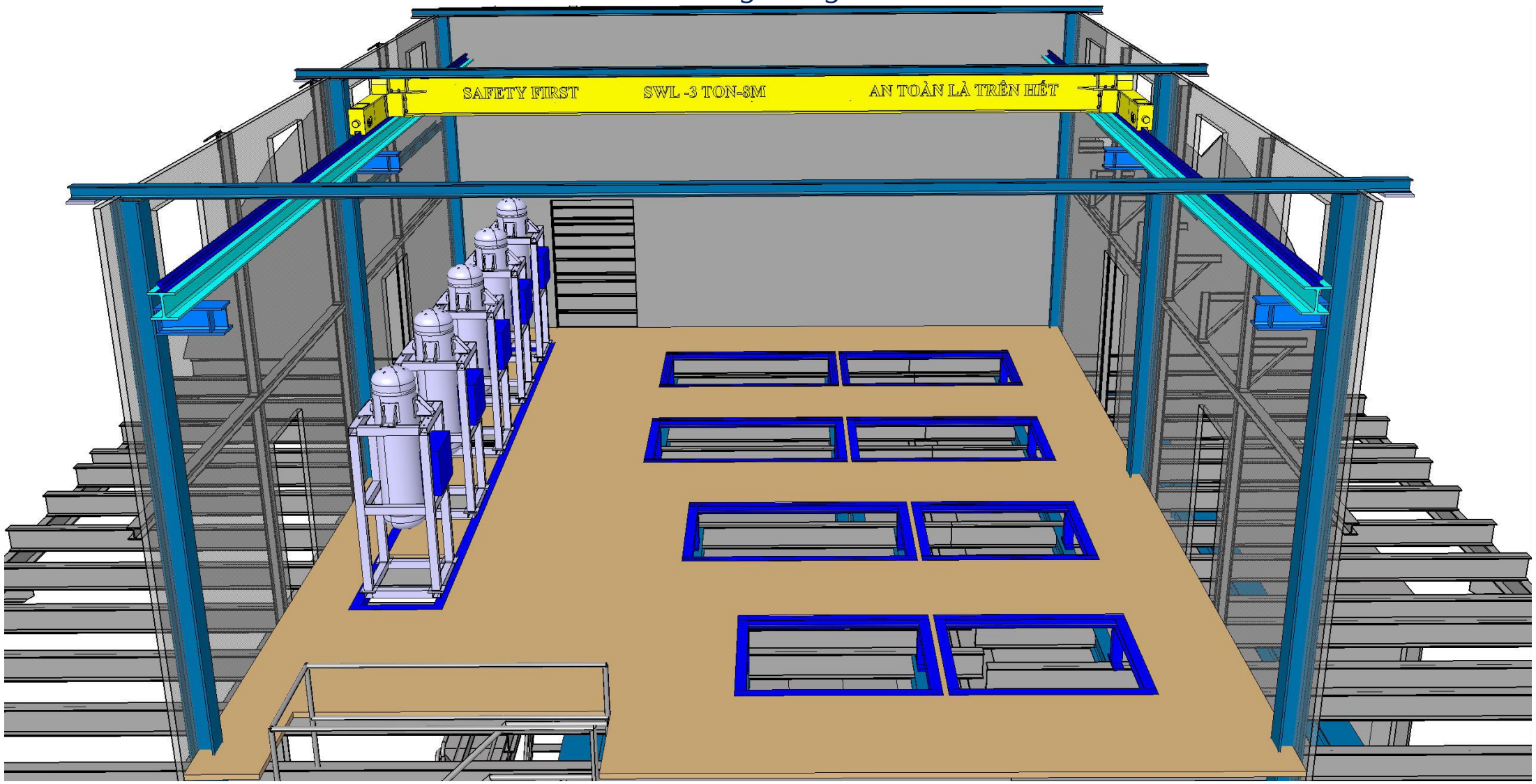
3T Overhead Crane v1

Free Standing Bridge Crane

Vertical pillars OUTSIDE existing structure

3T Overhead Crane v1 A

Free Standing Bridge Crane

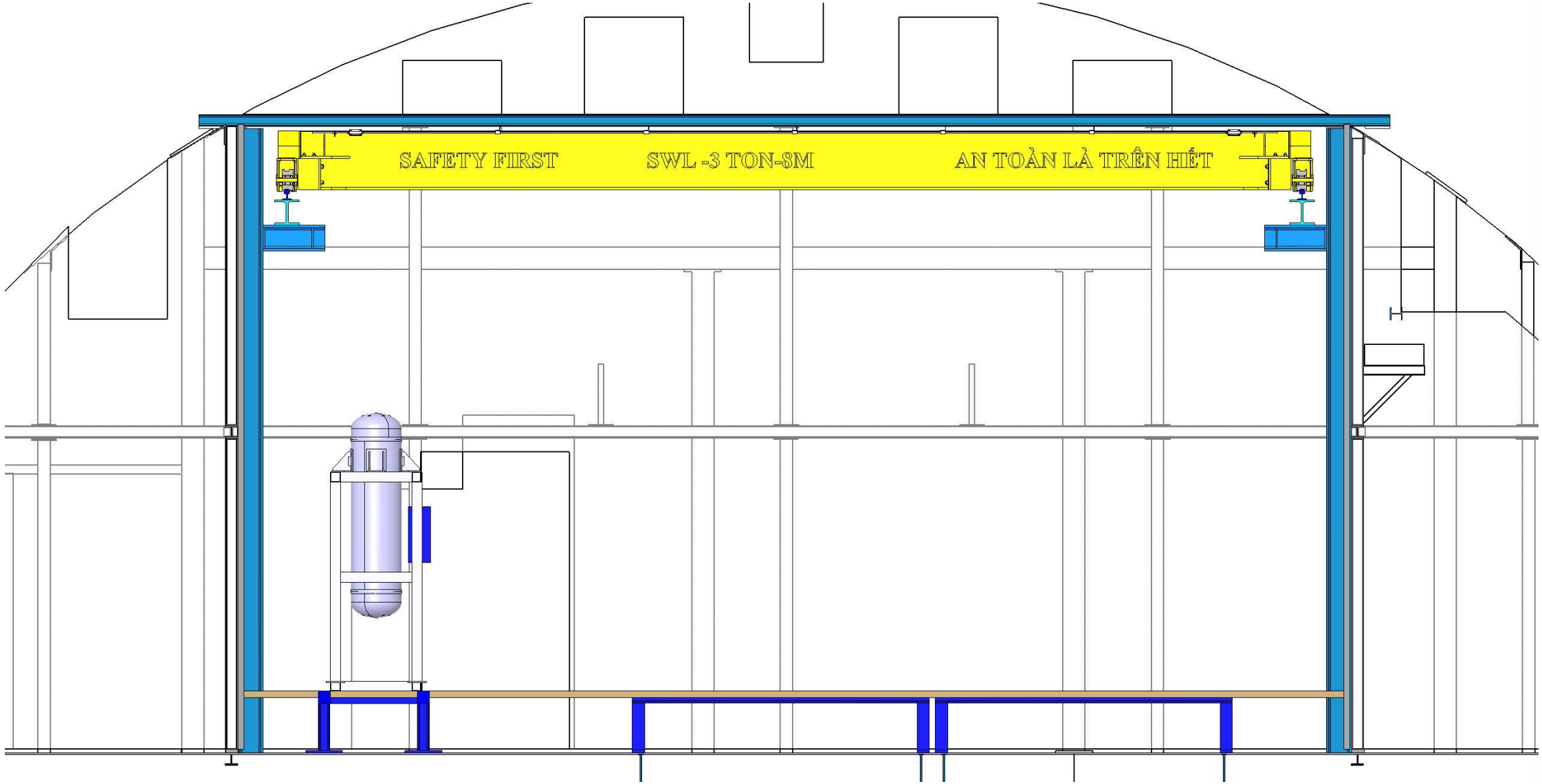


Vertical pillars INSIDE existing structure

ISO View

3T Overhead Crane v1 A

Free Standing Bridge Crane

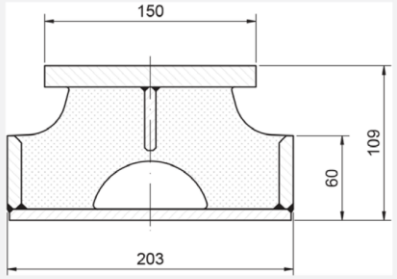


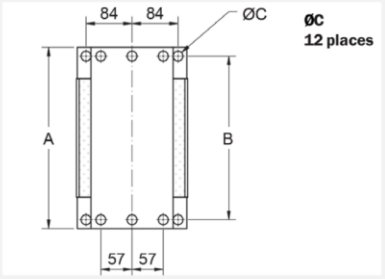
Vertical pillars INSIDE existing structure

Front view

TRELLEBORG INDUSTRIAL AVS

17/1601 | 17/1602 | 17/1603





Product Data

DRAWING No.	TYPE	DIMENSIONS (mm) A	B	C	MAXIMUM LOAD (kN)	STATIC VERTICAL STIFFNESS (N/mm)	DYNAMIC VERTICAL STIFFNESS (N/mm)	WEIGHT (kg)
17/1603	45 IRH	210	178	9	6.6	420	478	9
17/1603	55 IRH				9.5	630	785	9
17/1603	65 IRH				14.2	920	1240	9
17/1602	45 IRH	267	235	12	12.75	805	912	12
17/1602	55 IRH				19	1200	1500	12
17/1602	65 IRH				27.5	1710	2295	12
17/1601	45 IRH	330	298	18	14.2	880	1003	15
17/1601	55 IRH				21	1300	1625	15
17/1601	65 IRH				31.4	2000	2700	15

Applications include:

- Medium speed marine propulsion engines
- Generator sets
- Gearboxes
- Pumps
- Compressors and refrigeration systems

Vibration isolation
samples

UNISORB® INSTALLATION TECHNOLOGIES

DATA SHEET

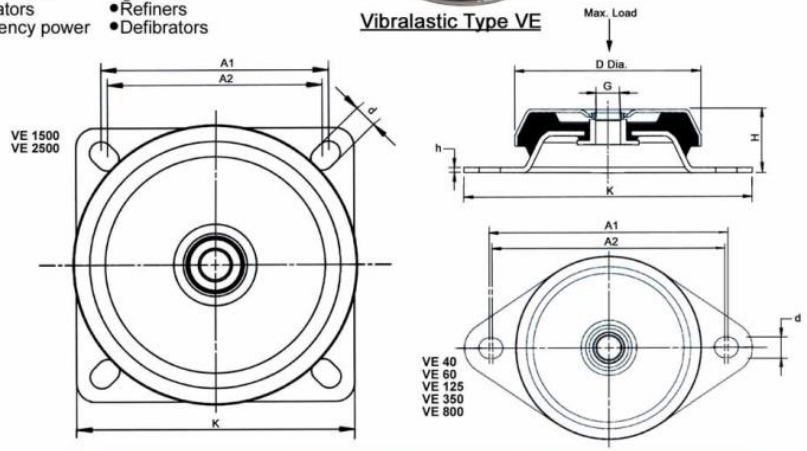
VIBRALASTIC™ TYPE VE MOUNTS

Bulletin No.
GB-0155-1.1
7/13/11

For effective isolation of vibration and noise on machines with rotating elements.

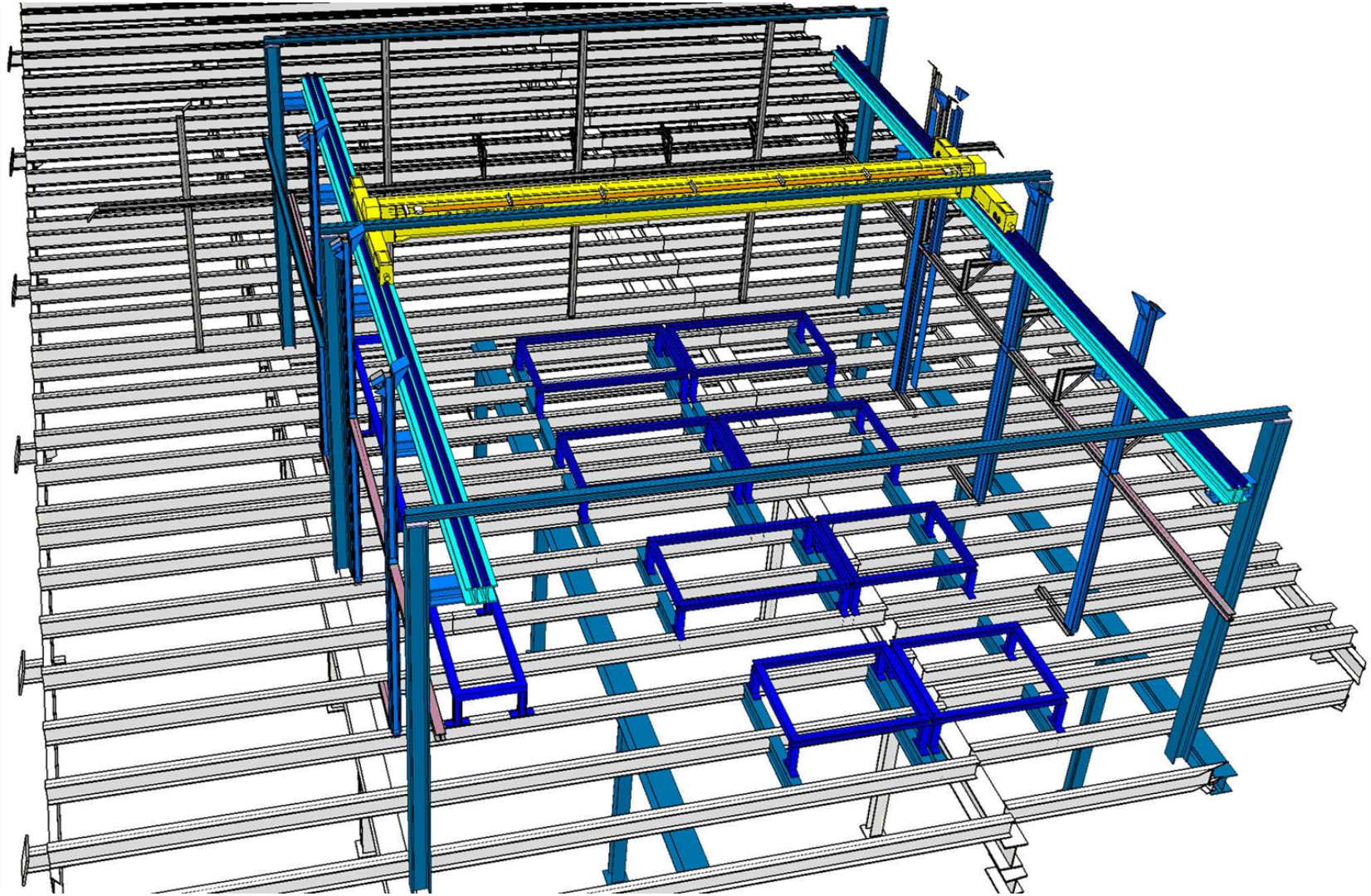
- Compressors
- AC units
- Industrial fans
- Generators
- Emergency power sets
- Large milling machinery
- Industrial and marine gensets
- Refiners
- Defibrators

Vibralastic Type VE



MOUNT NUMBER	A1	A2	D	G	H	K	d	h	Weight	Max. Load
VE 40 40 M10	91	73	64	M10	35	110	9	2.5	0.23	30
VE 40 60 M10	91	73	64	M10	35	110	9	2.5	0.23	65
VE 60 40 M12	100	100	65	M12	35	120	11	3	0.25	50
VE 60 60 M12	100	100	65	M12	35	120	11	3	0.25	120
VE 125 40 M10	116	104	83	M10	35	130	9	3	0.40	80
VE 125 40 M12	116	104	83	M12	35	130	9	3	0.40	80
VE 125 60 M10	116	104	83	M10	35	130	9	3	0.40	175
VE 125 60 M12	116	104	83	M12	35	130	9	3	0.40	175
VE 350 40 M12	146	133	106	M12	41	170	12.5	3.5	0.86	200
VE 350 40 M16	146	133	106	M16	41	170	12.5	3.0	0.86	200
VE 350 60 M12	146	133	106	M12	41	170	12.5	3.5	0.86	420
VE 350 60 M16	146	133	106	M16	41	170	12.5	3.0	0.86	420
VE 800 40 M16	188	176	150	M16	53.5	218	14.5	4	1.84	450
VE 800 60 M16	188	176	150	M16	53.5	218	14.5	4	1.84	800
VE 1500 40 M20	146	146	183	M20	86	180	14.5	5	3.10	875
VE 1500 60 M20	146	146	183	M20	86	180	14.5	5	3.10	1700
VE 2500 40 M24	180	180	220	M24	105	220	17.5	6	6.72	1600
VE 2500 60 M24	180	180	220	M24	105	220	17.5	6	6.72	3400

Dimensions are in millimeters. Weights and loads are in kilograms.
Other durometers are available. Contact Unisorb Engineering.

Conclusions

- ✓ 3D Models are ready for the simulation
- ✓ Installation order: 3T Crane, floor, chassis…