

A: frame solid beams 410*410*1138*55*55*31

Equivalent Stress

Type: Equivalent (von-Mises) Stress

Unit: MPa

Time: 1

04/05/2015 07:45

725.46 Max

135

118.13

101.26

84.389

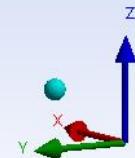
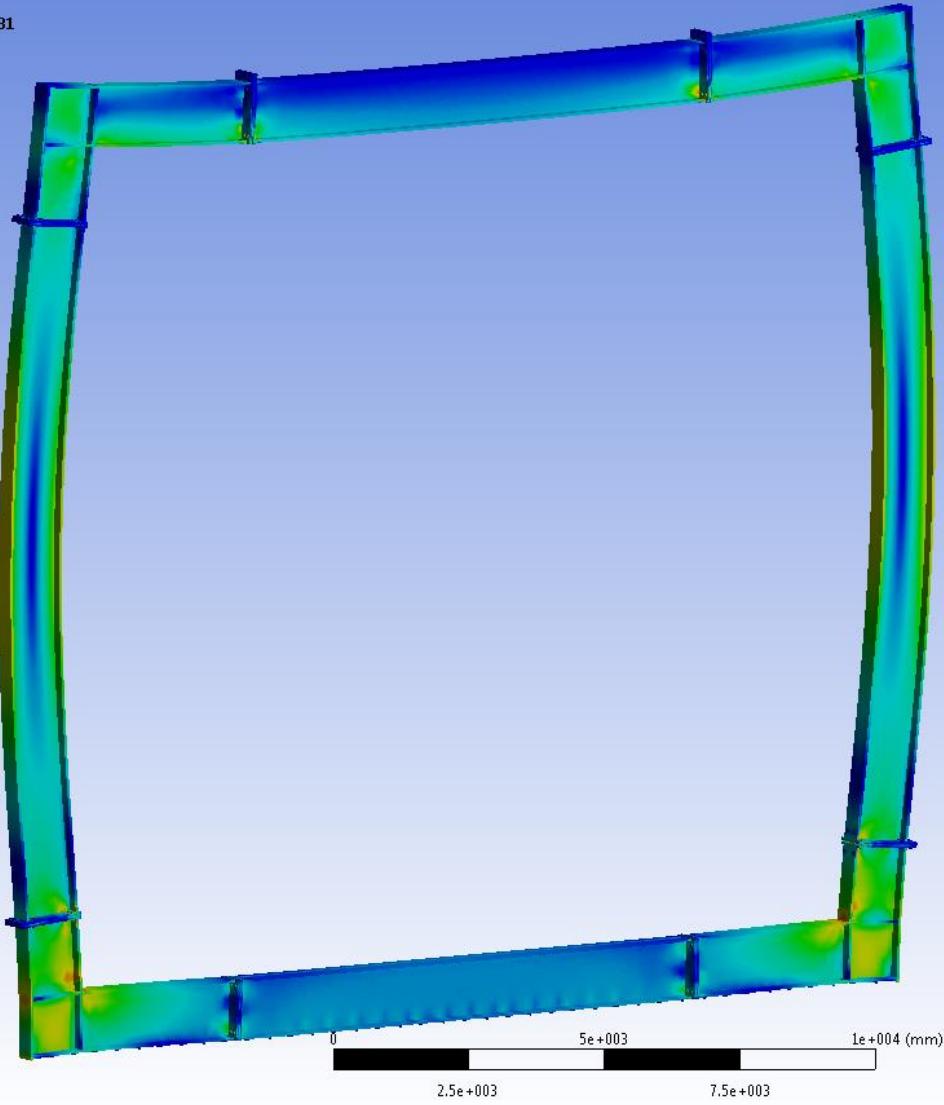
67.518

50.648

33.778

16.907

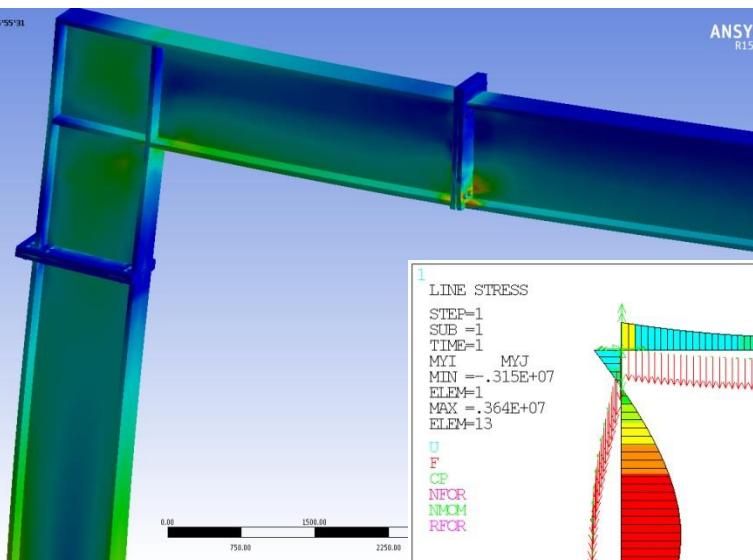
0.036803 Min



A frame solid beams -410*410*1130'55''55''31
Equivalent Stress
Type: Equivalent (von-Mises) Stress
Unit: MPa
Time= 1
01/05/2015 11:26



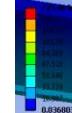
ANSYS
R15.0



A frame solid beams -410*410*1130'55''55''31
Equivalent Stress
Type: Equivalent (von-Mises) Stress
Unit: MPa
Time= 1



A frame solid beams -410*410*1130'55''55''31
Equivalent Stress
Type: Equivalent (von-Mises) Stress
Unit: MPa
Time= 1
01/05/2015 11:26



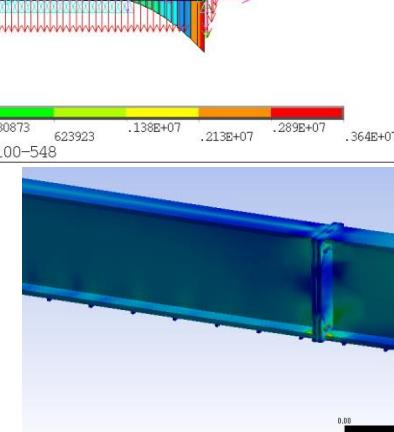
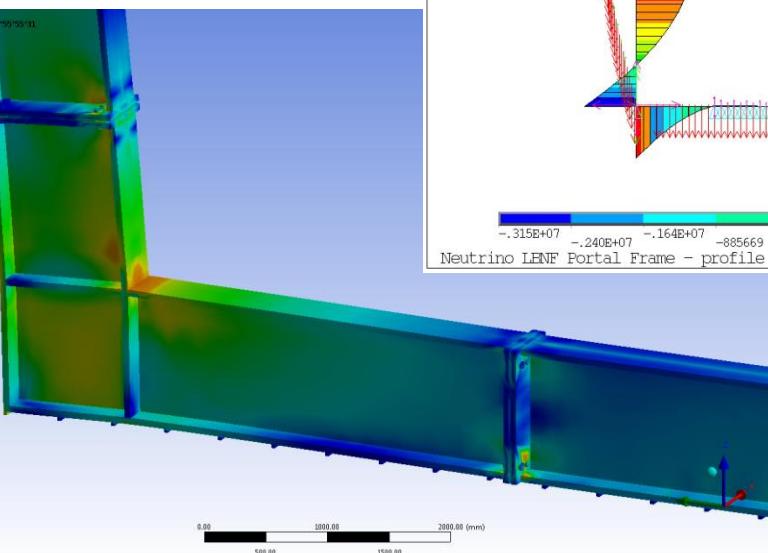
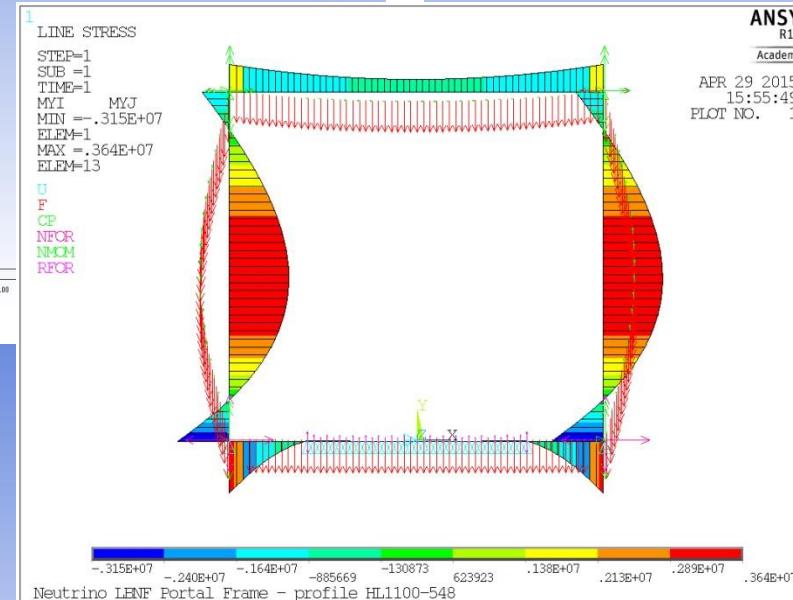
ANSYS
R15.0

Academic
APR 29 2015
15:55:49
PLOT NO. 1

1500.00 2250.00
750.00 2000.00 (mm)



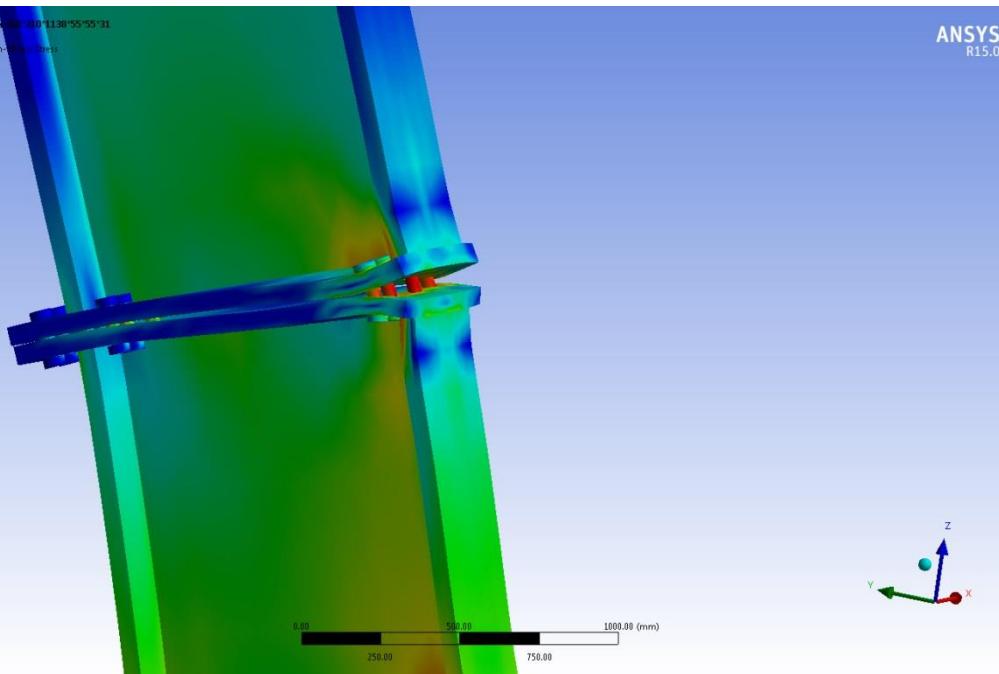
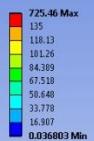
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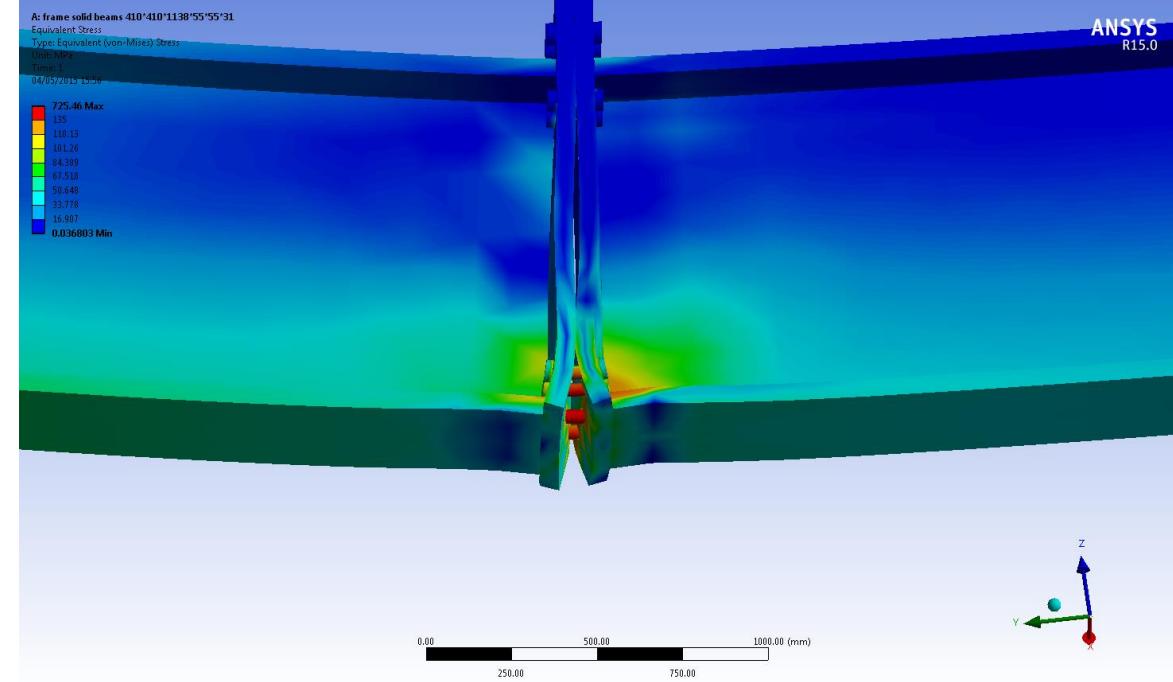
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R15.0

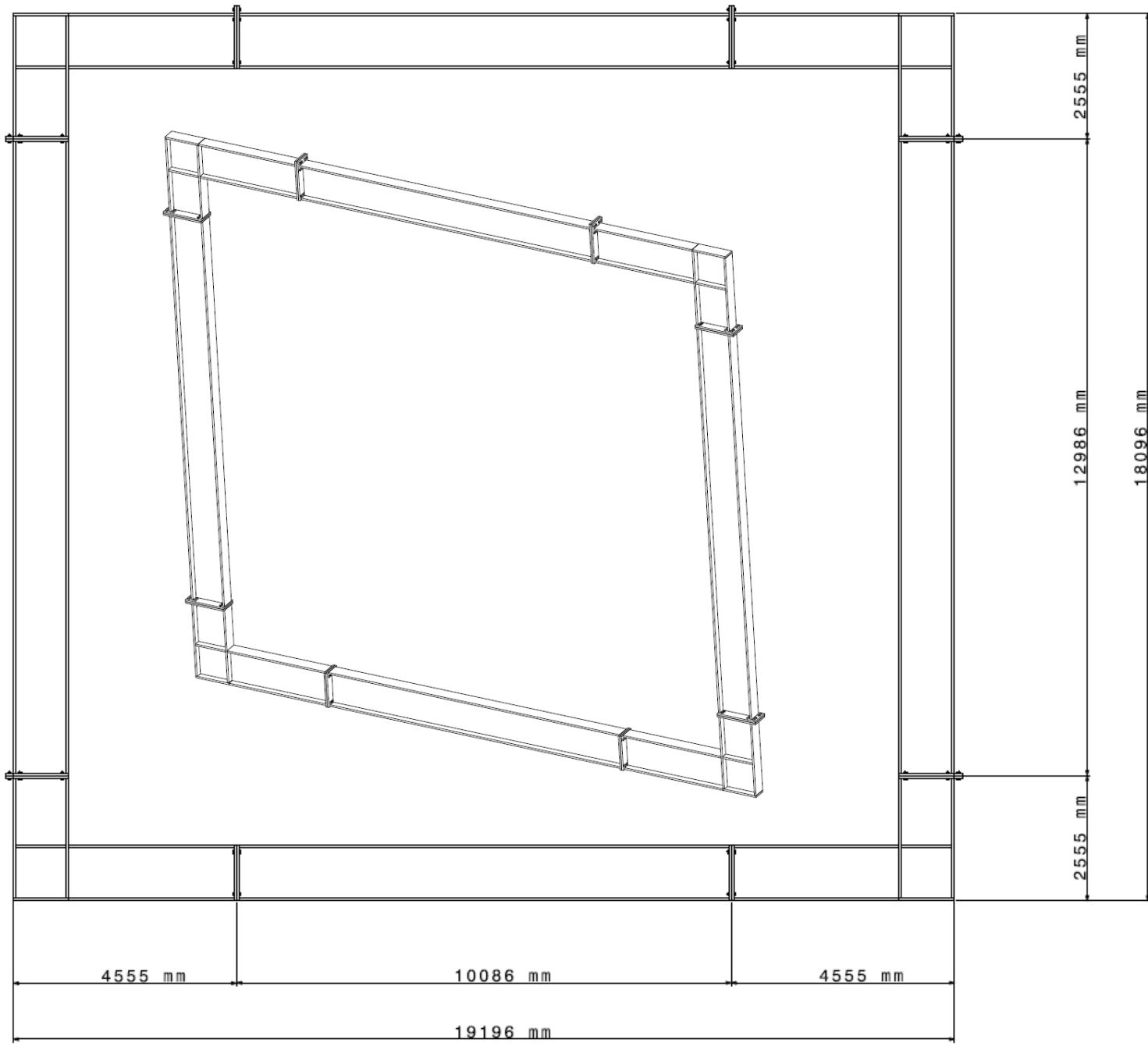
A-frame solid beams 410*410*1130*55*55*31
Equivalent Stress
Type: Equivalent (von-Mises) Stress
Unit: MPa
Time: 1
04/05/2015 15:56

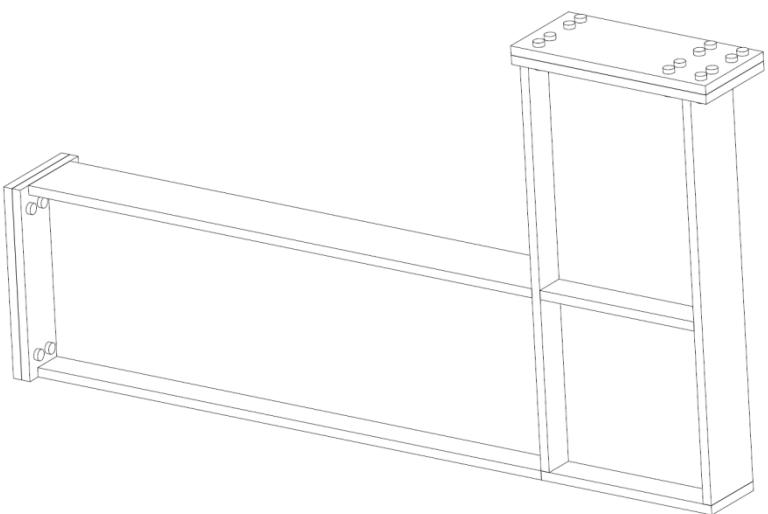
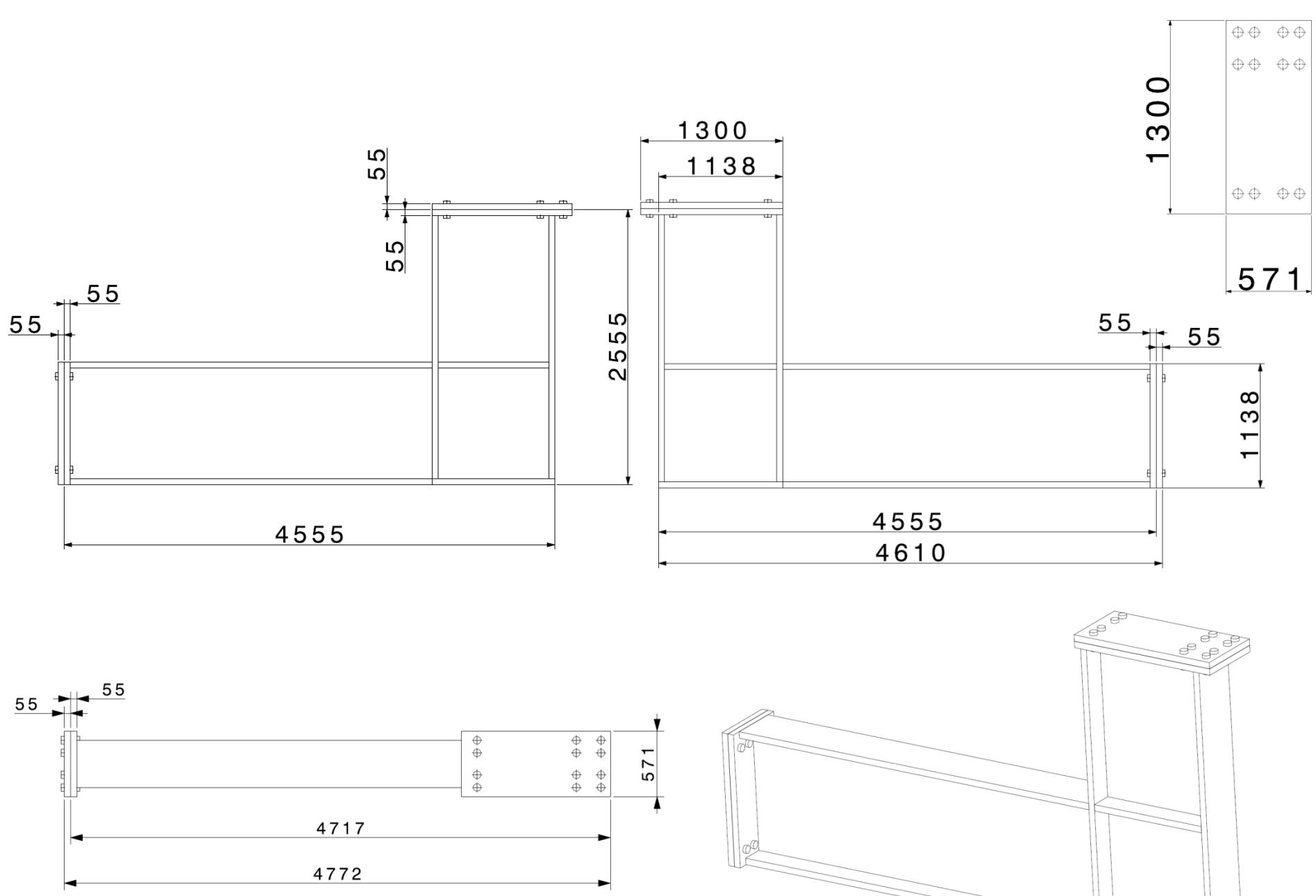
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R15.0



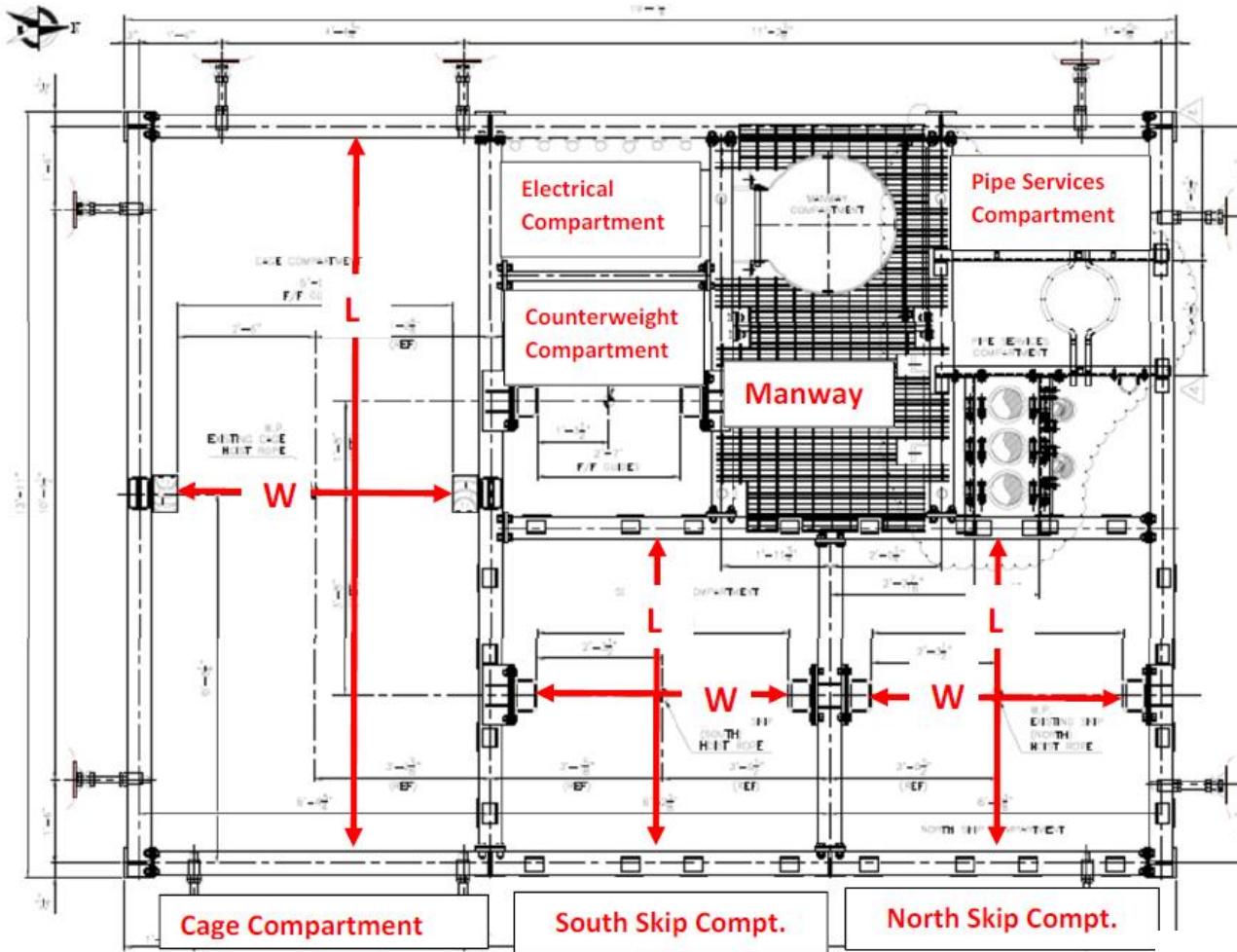
A-frame solid beams 410*410*1130*55*55*31
Equivalent Stress
Type: Equivalent (von-Mises) Stress
Unit: MPa
Time: 1
04/05/2015 15:56



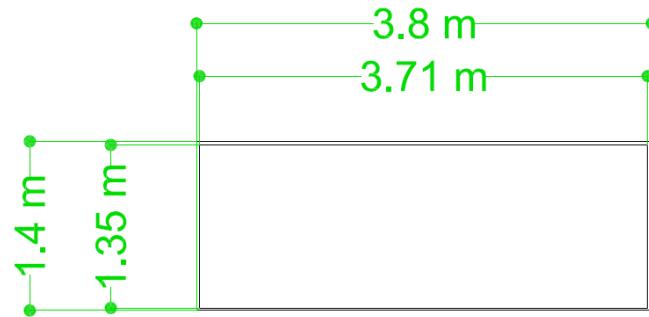




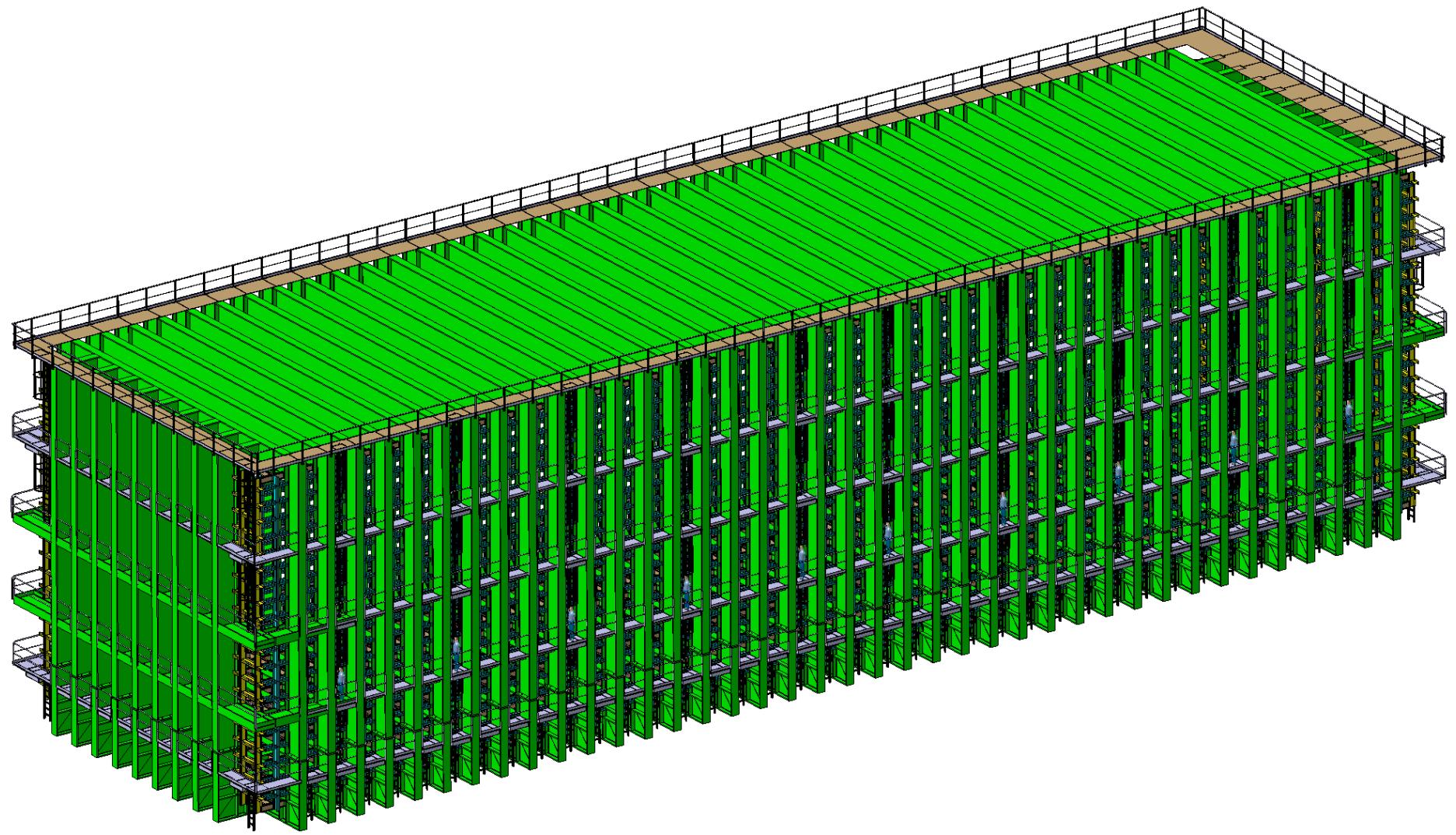
Ross Shaft Typical Set General Arrangement Plan View – New Furnishings

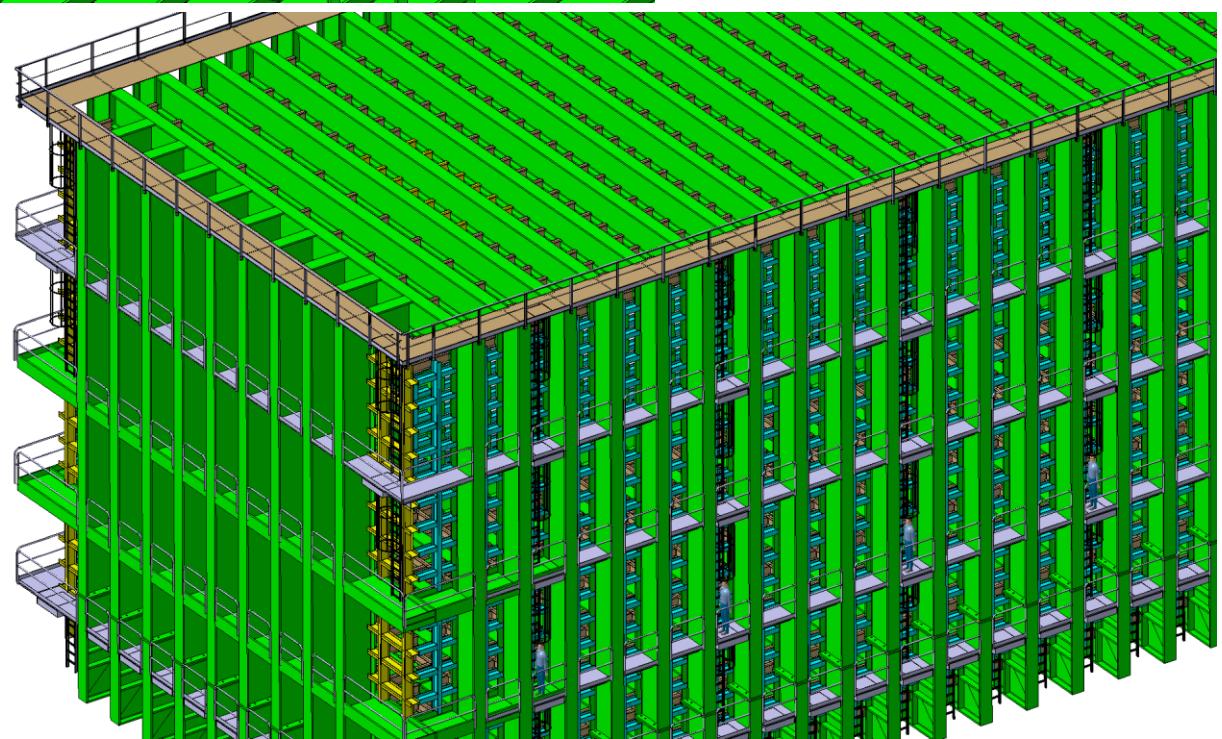
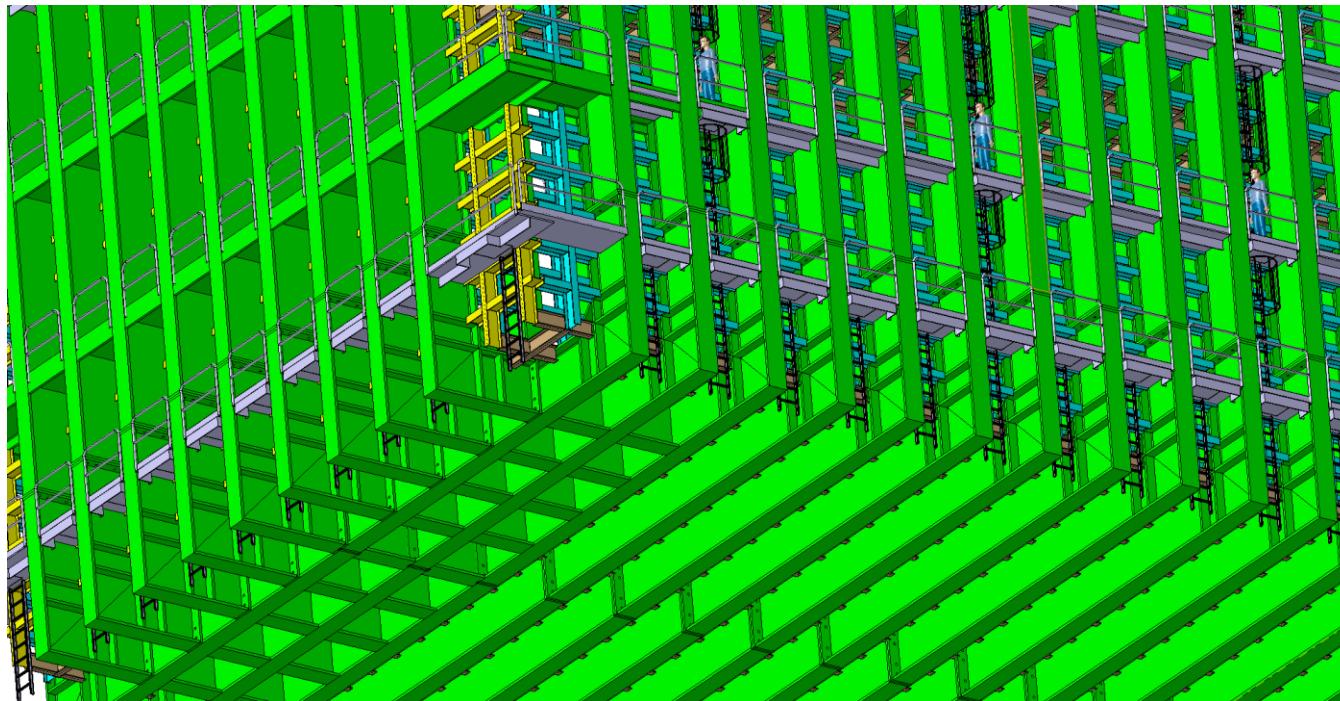


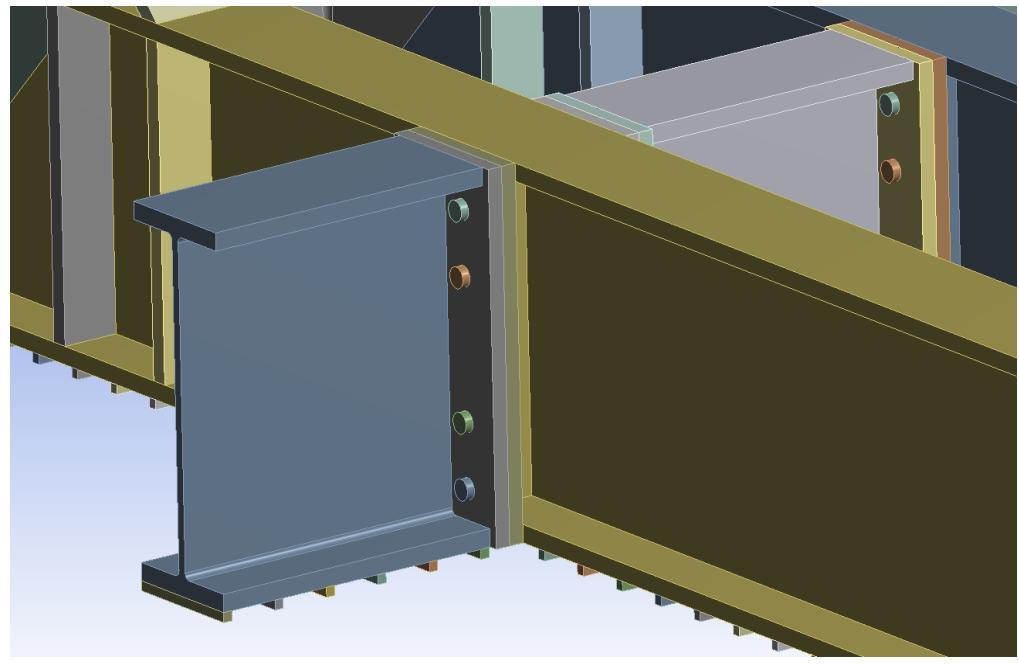
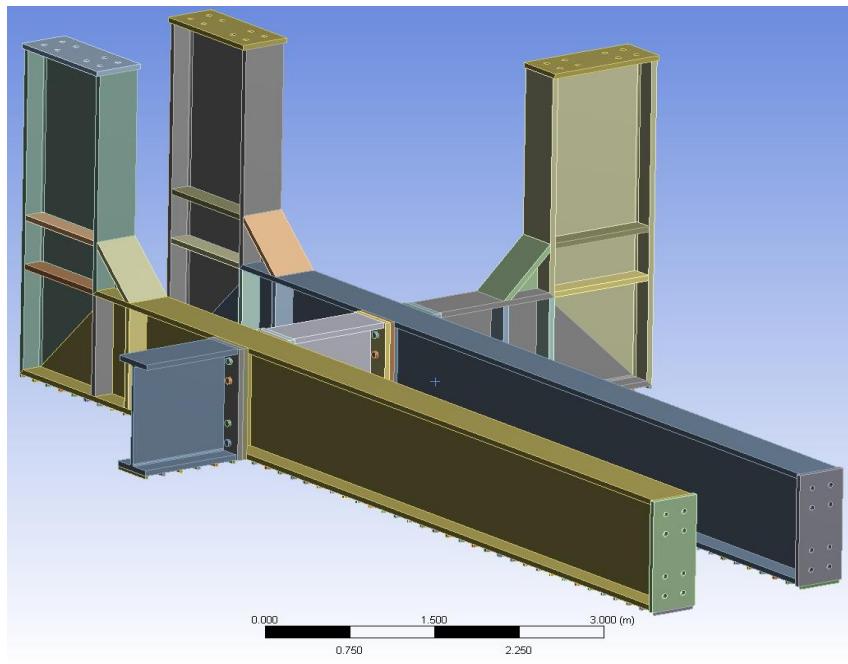
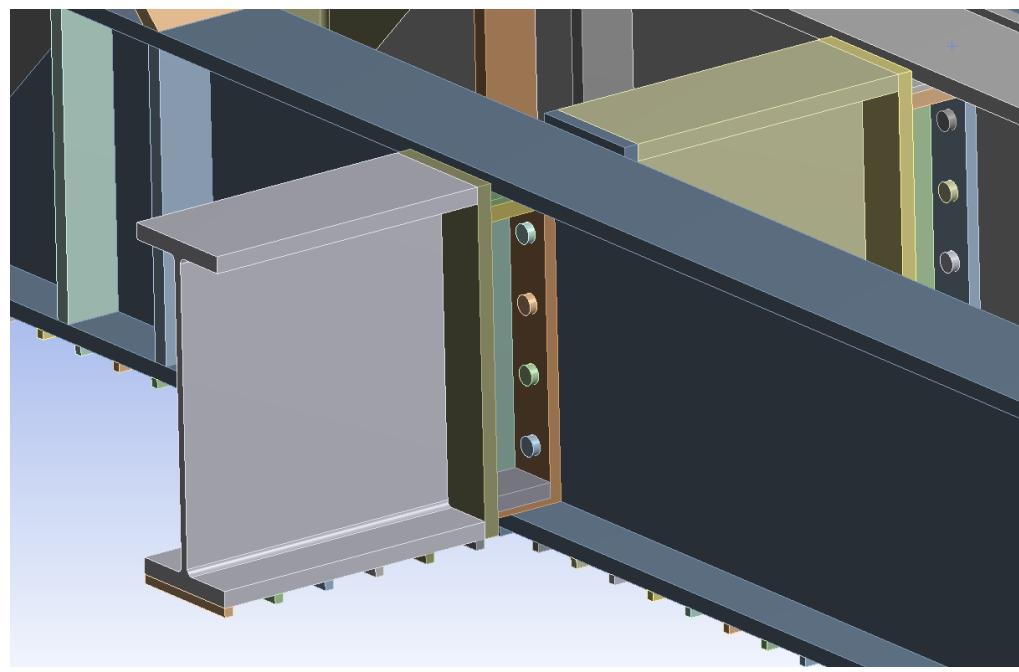
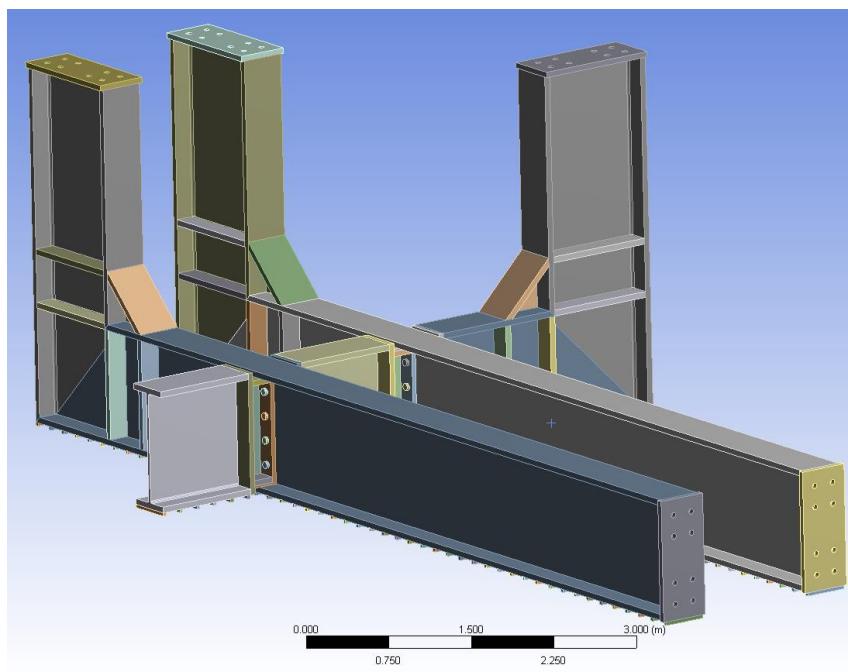
	Length 'L' (ft)	Width 'W' (ft)
Cage Compartment	12' 10 1/2"	5'
South Skip Compt.	5' 7 1/4"	4' 7"
North Skip Compt.	5' 7 1/4"	4' 7"



Top View







1 ELEMENTS

SEC NUM

F

NFOR

NMOM

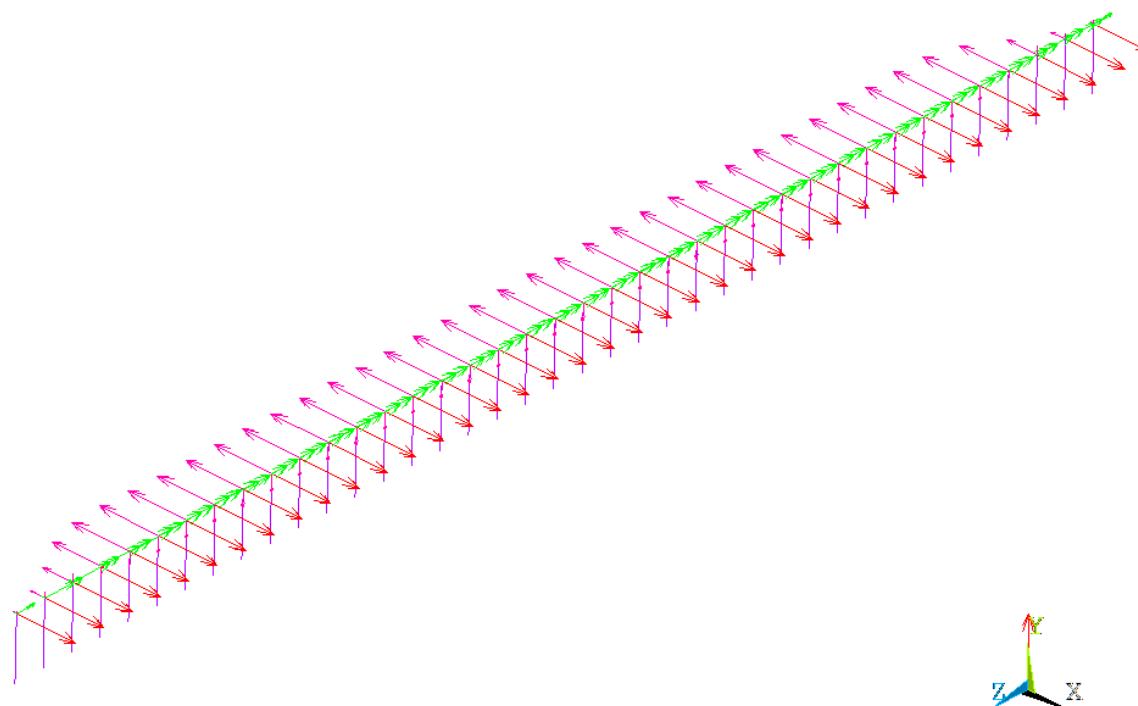
ACEL

ANSYS
R15.0

Academic

MAY 13 2015

14:34:13



FX [N]
-1'000'000

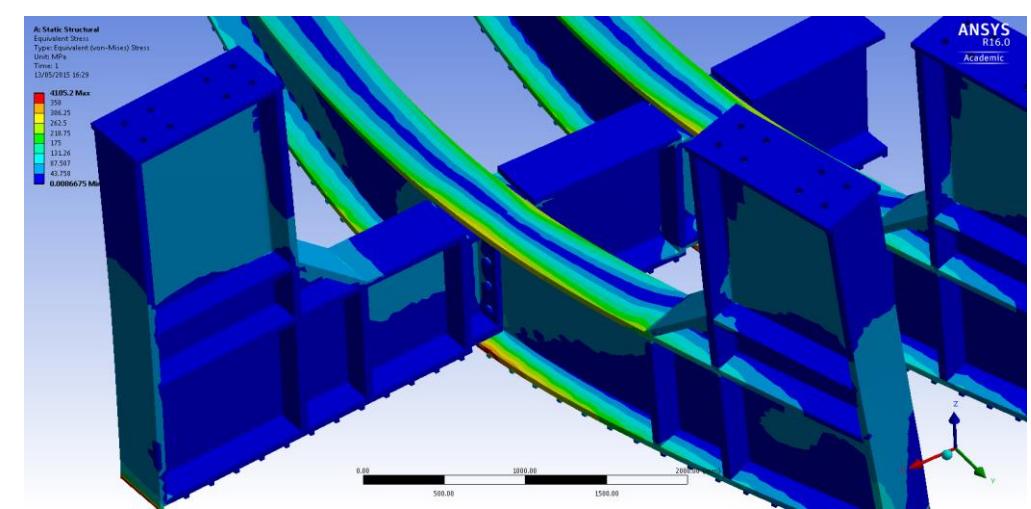
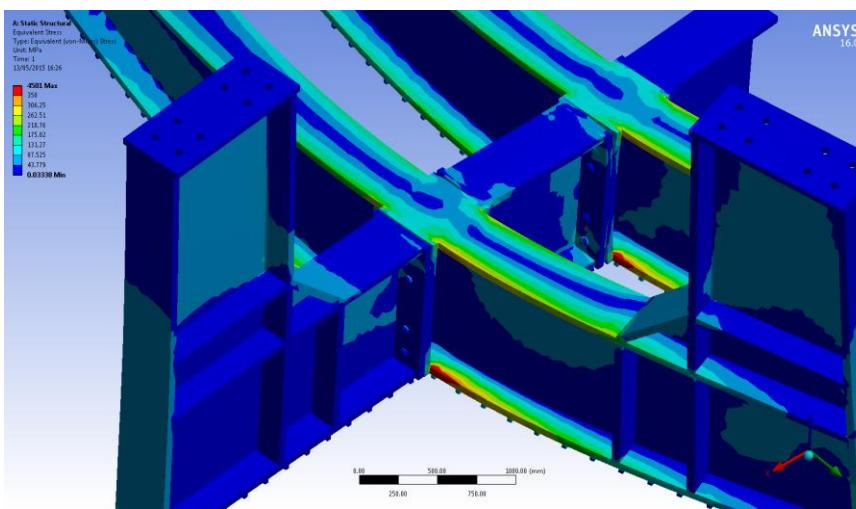
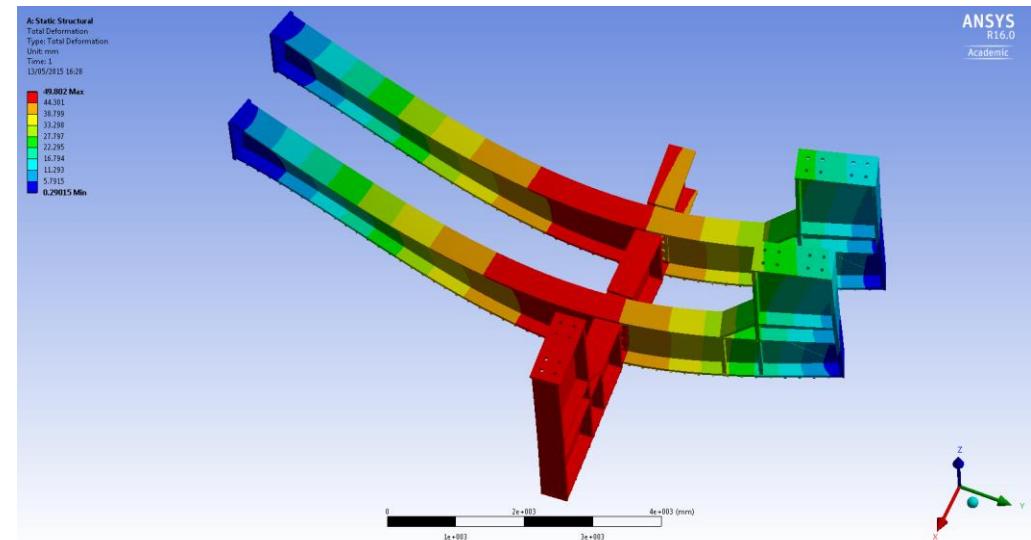
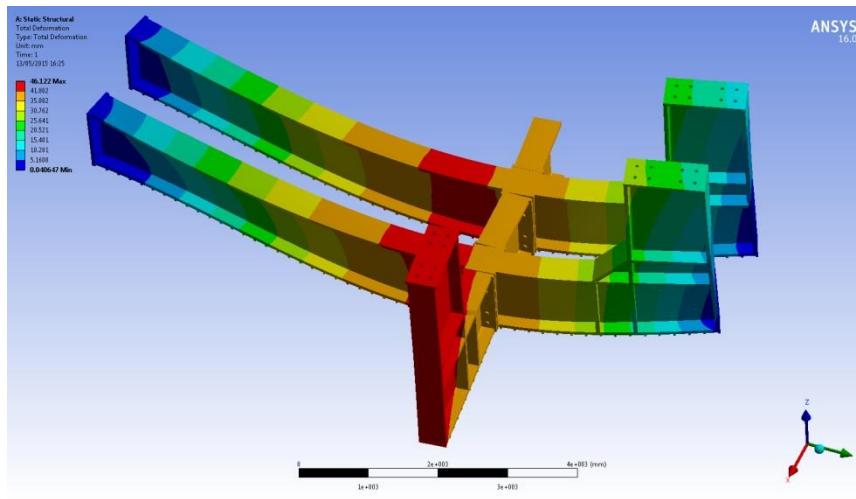
FY [N]
-250'000

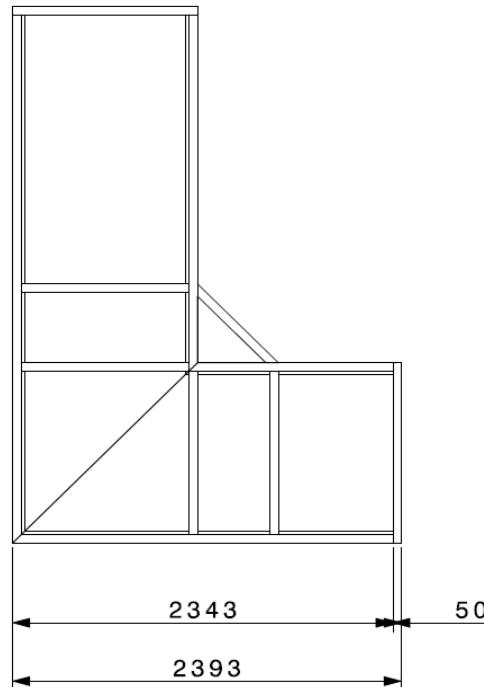
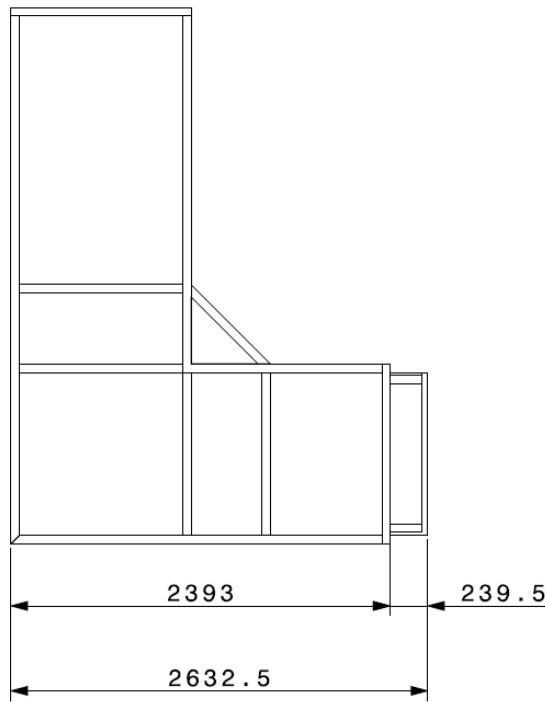
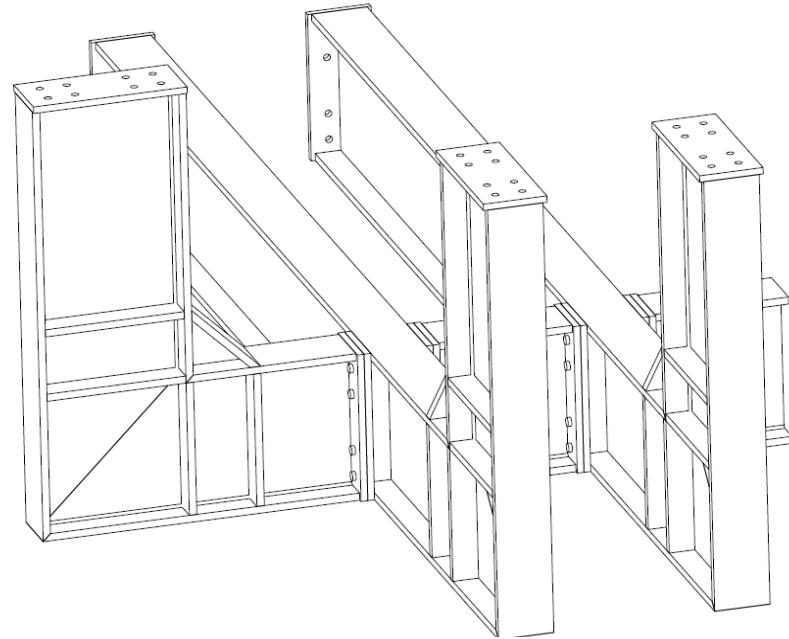
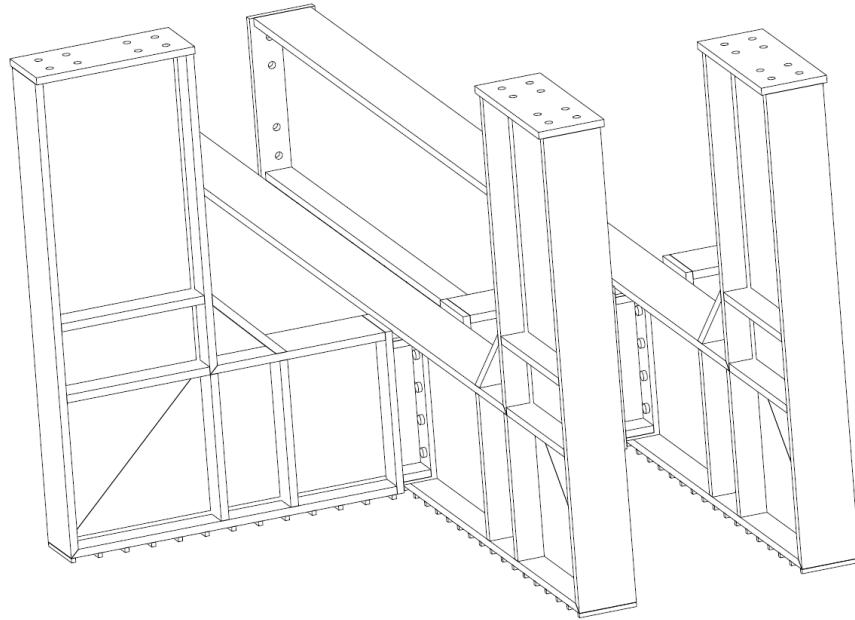
FZ [N]
-10'000

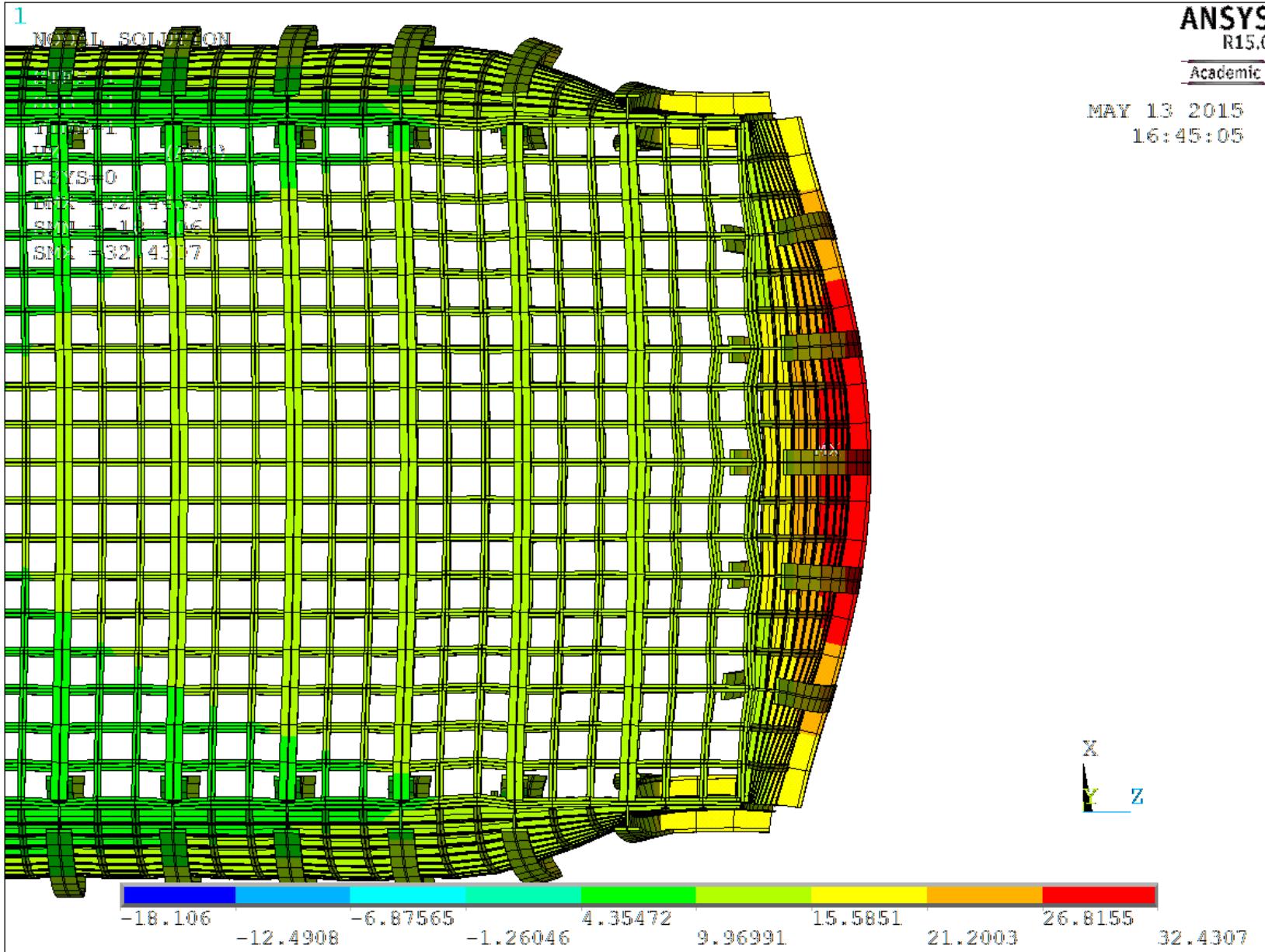
MX [N/mm]
-3'500'000

MY [N/mm]
-120'000

MZ [N/mm]
-500'000'000

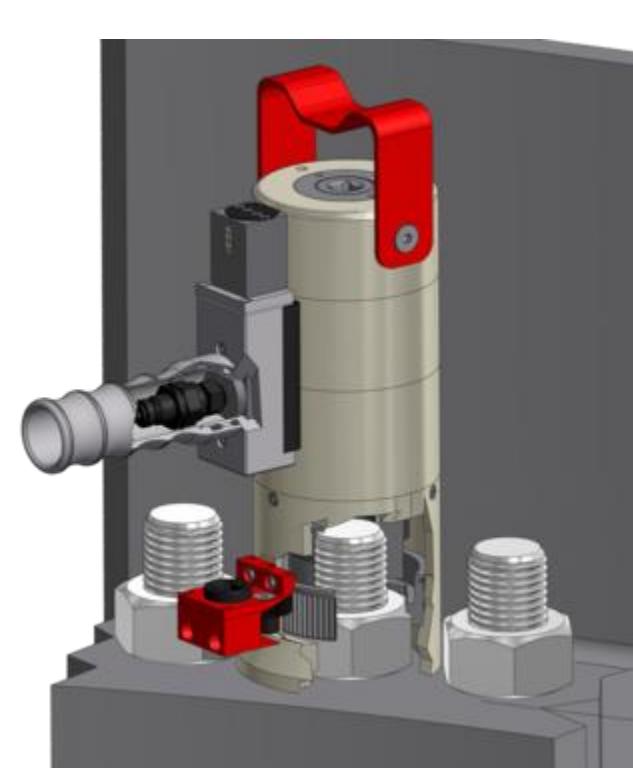




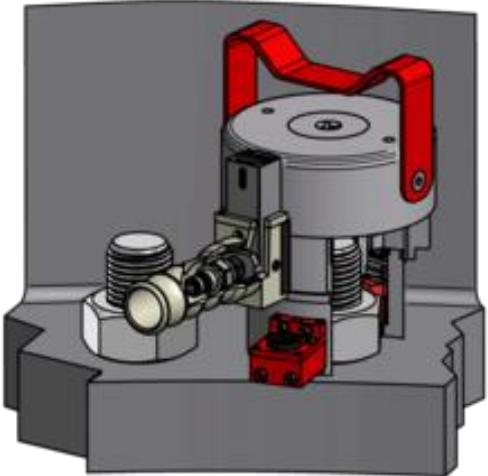




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[VIDEO 1](#)



[VIDEO 2](#)



Type	Order-No.	Preload Force	Thread		A/F-width	Diameter d3	Height h5
		[lbs]	[mm]	["]	["]	["]	["]
MS 16 - 10.9	33.02788						
MS 20 - 10.9	33.02789						
MS 22 - 10.9	33.02790						
MS 24 - 10.9	33.02791	72,389	M 24	7/8	1 4/9	2.60	6.77
MS 27 - 10.9	33.02792	85,270	M 27	1	1 5/8	2.81	6.56
MS 30 - 10.9	33.02793	102,873	M 30	1 1/8	1 4/5	3.03	7.57
MS 33 - 10.9	33.02794	127,467	M 33	1 1/4	2	3.33	7.15
MS 36 - 10.9	33.02795	149,723	M 36	1 3/8	2 1/5	3.68	7.78
MS 39 - 10.9	33.02796	179,848	M 39	1 1/2	2 3/8	3.92	8.27
MS 42 - 10.9	33.02797	207,724	M 42	1 5/8	2 4/7	4.21	8.66
MS 45 - 10.9	33.02798	242,795	M 45	1 3/4	2 3/4	4.45	8.90
MS 48 - 10.9	33.02799	274,583	M 48	1 7/8	3	4.78	9.09

