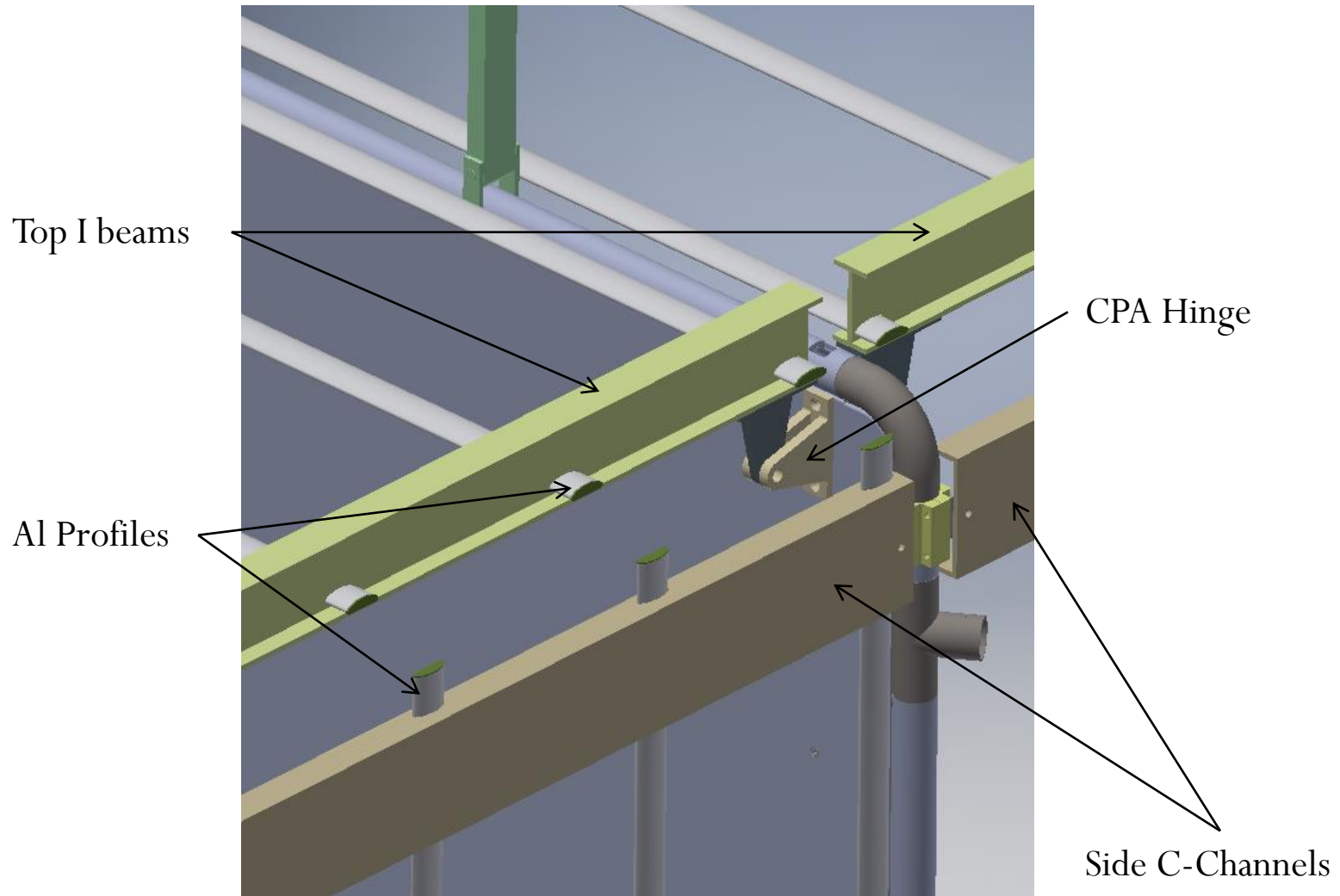


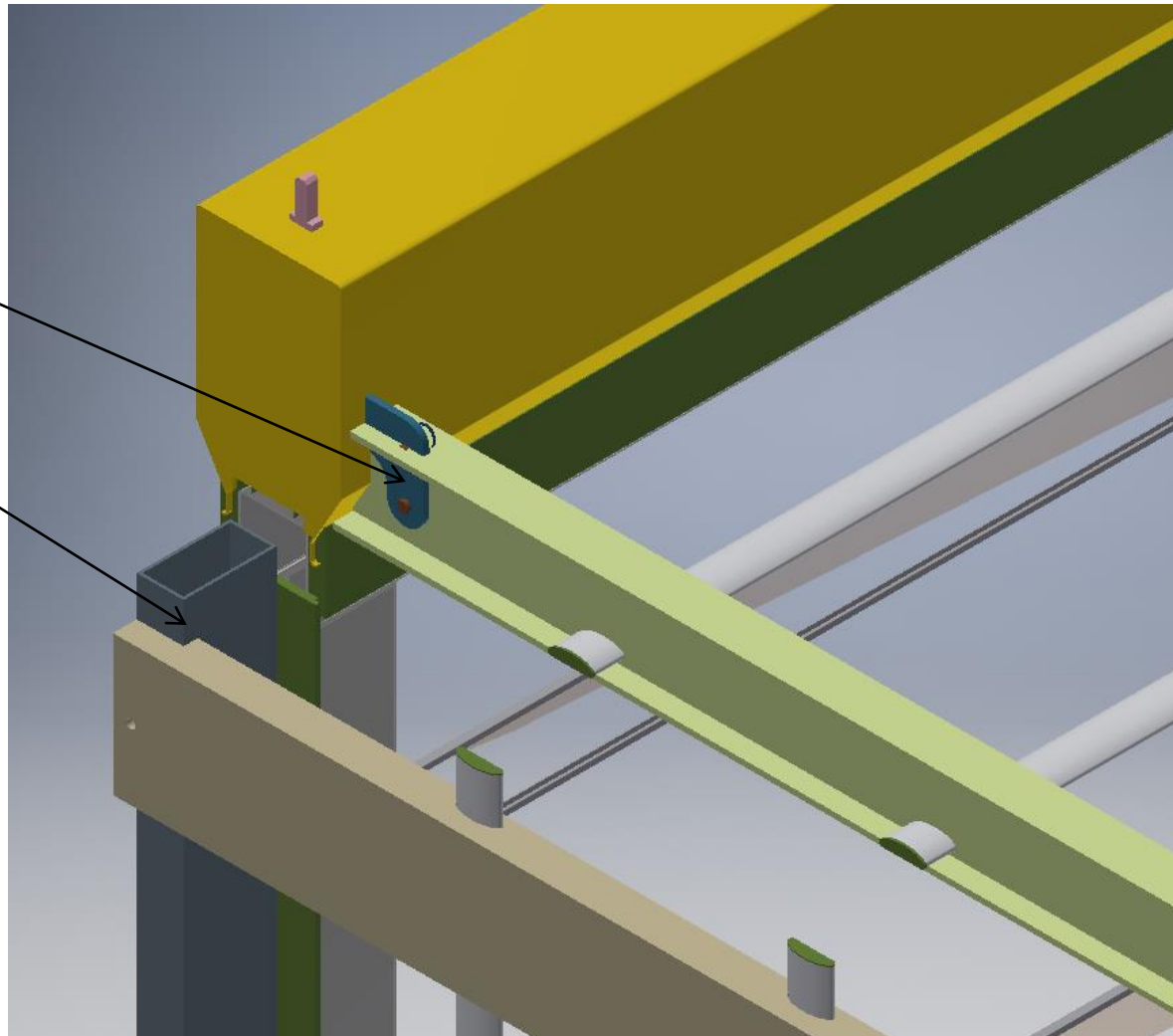
# Field Cage Design

- Rahul Sharma

# Field Cage Design CPA Side



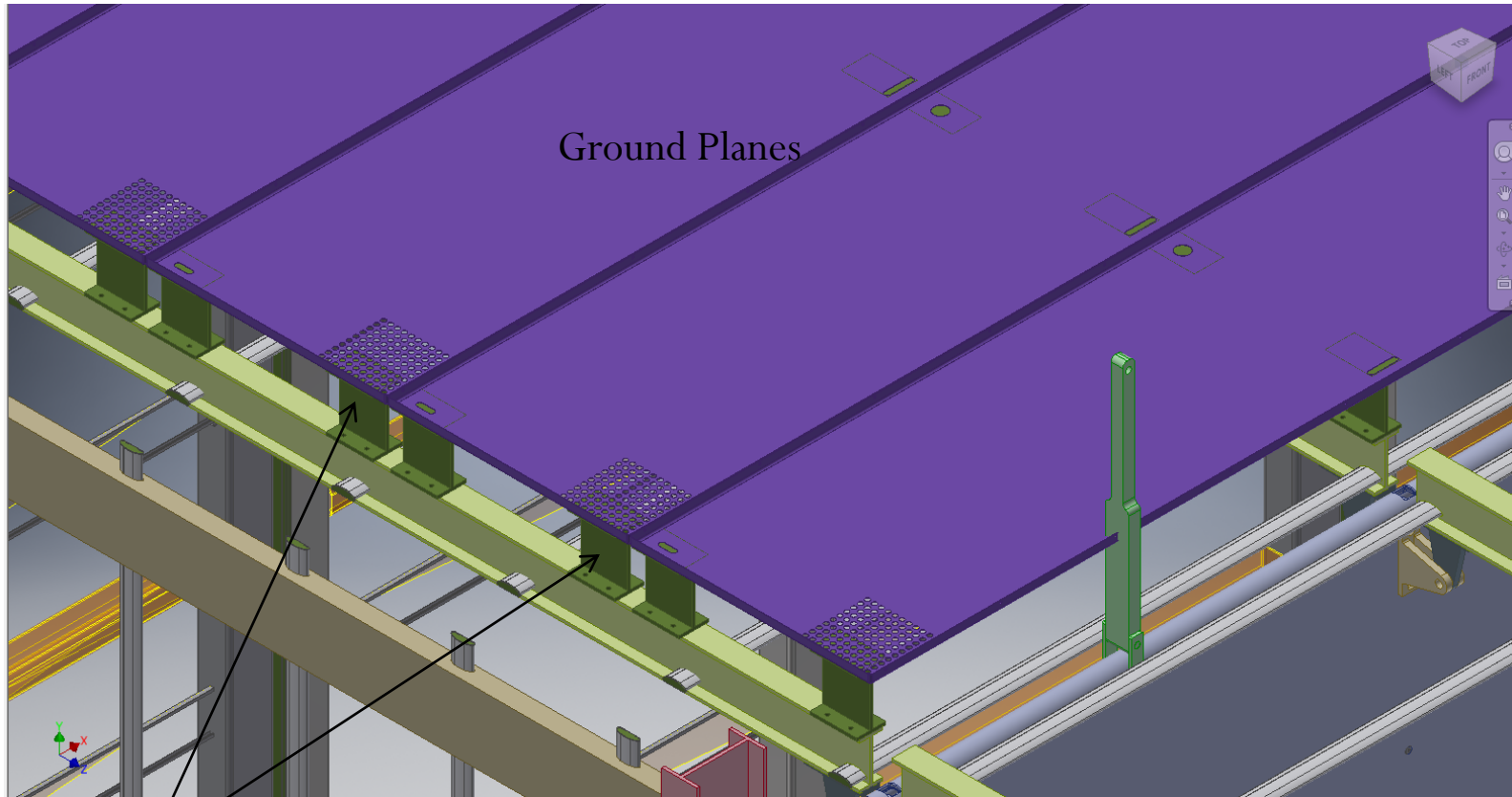
# Field Cage Design APA Side



APA Bracket

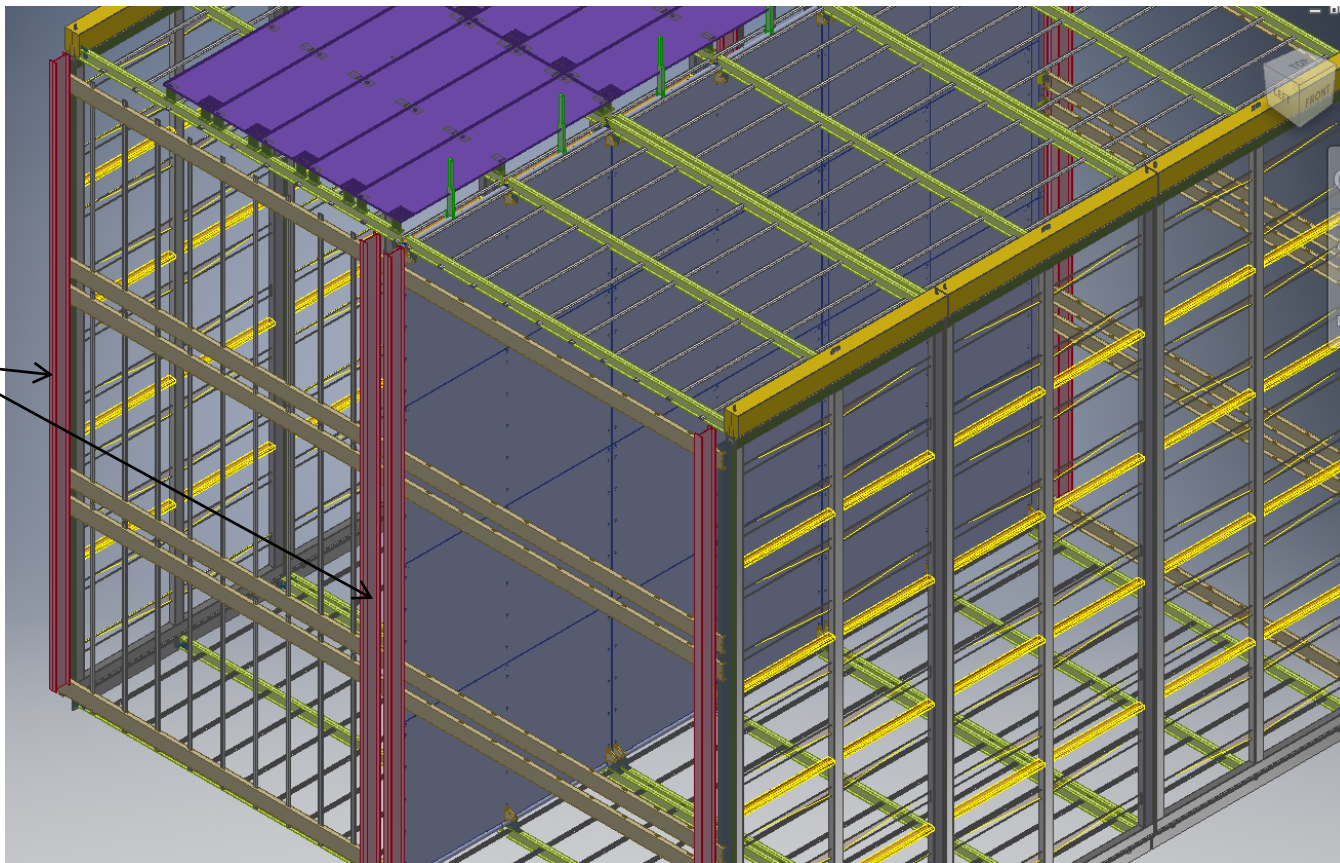
APA Side Tube

# Ground Plane Integration

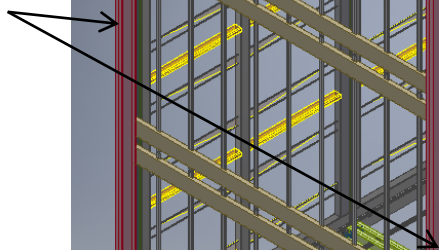


GP Standoffs

# TPC & Field Cage



End Wall  
Hanger  
I Beams



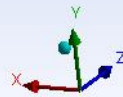
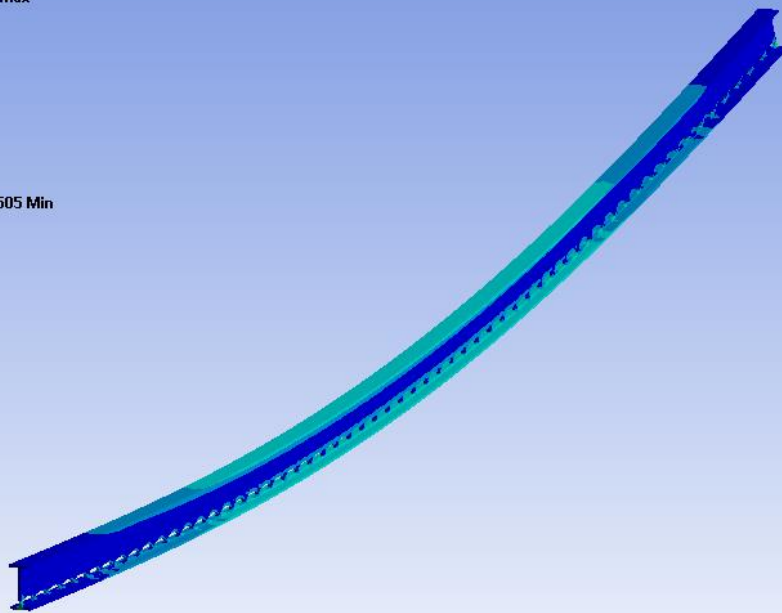
# I Beam Analysis

Equivalent Stress

**B: Static Structural**  
Equivalent Stress  
Type: Equivalent (von-Mises) Stress  
Unit: MPa  
Time: 1  
11/9/2015 12:17 AM

ANSYS  
14.0

27.148 Max  
24.132  
21.116  
18.099  
15.083  
12.067  
9.0512  
6.0351  
3.019  
0.0028505 Min



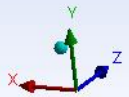
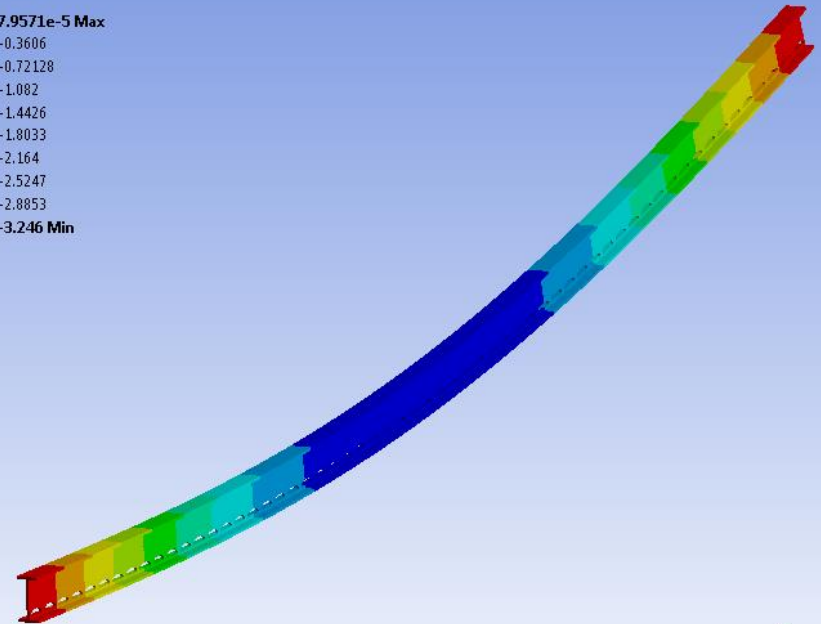
0.00 600.00 (mm)  
300.00

Directional Deformation

**B: Static Structural**  
Directional Deformation  
Type: Directional Deformation(Y Axis)  
Unit: mm  
Global Coordinate System  
Time: 1  
11/9/2015 12:17 AM

ANSYS  
14.0

7.9571e-5 Max  
-0.3606  
-0.72128  
-1.082  
-1.4426  
-1.8033  
-2.164  
-2.5247  
-2.8853  
-3.246 Min



0.00 600.00 (mm)  
300.00

# C-Channel Analysis

