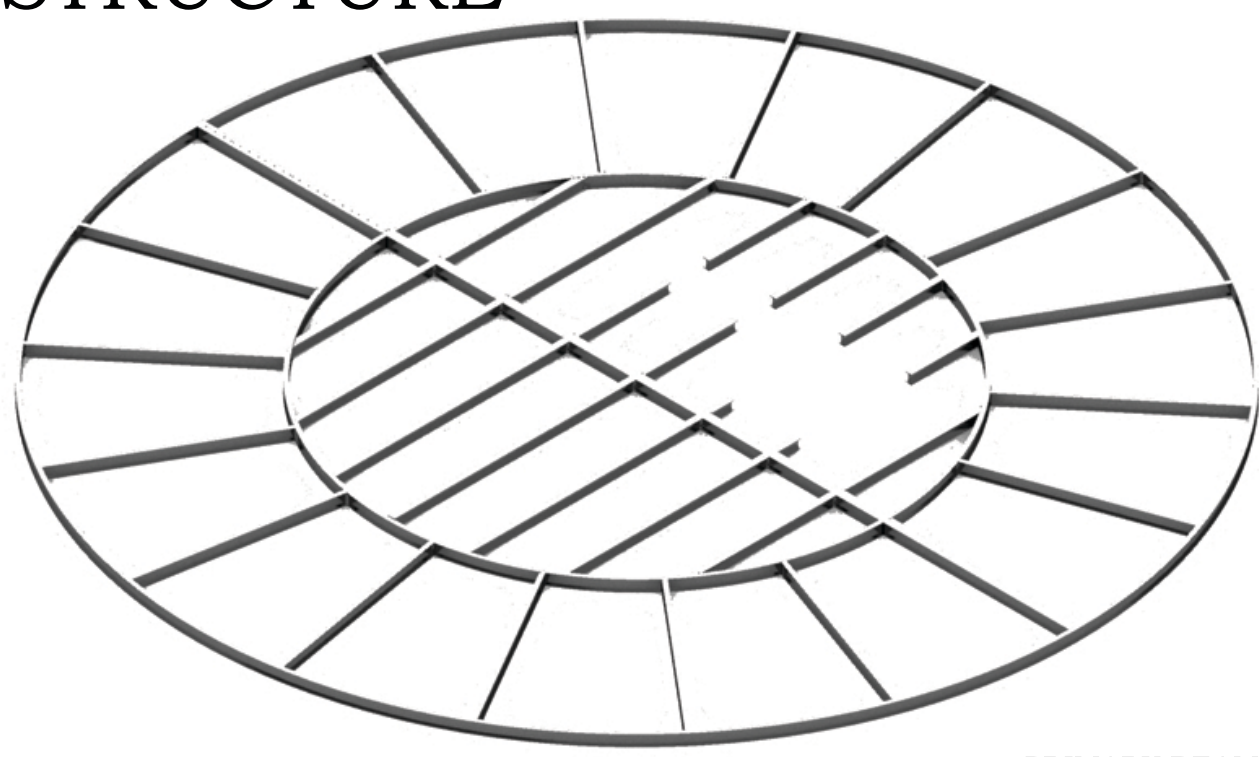
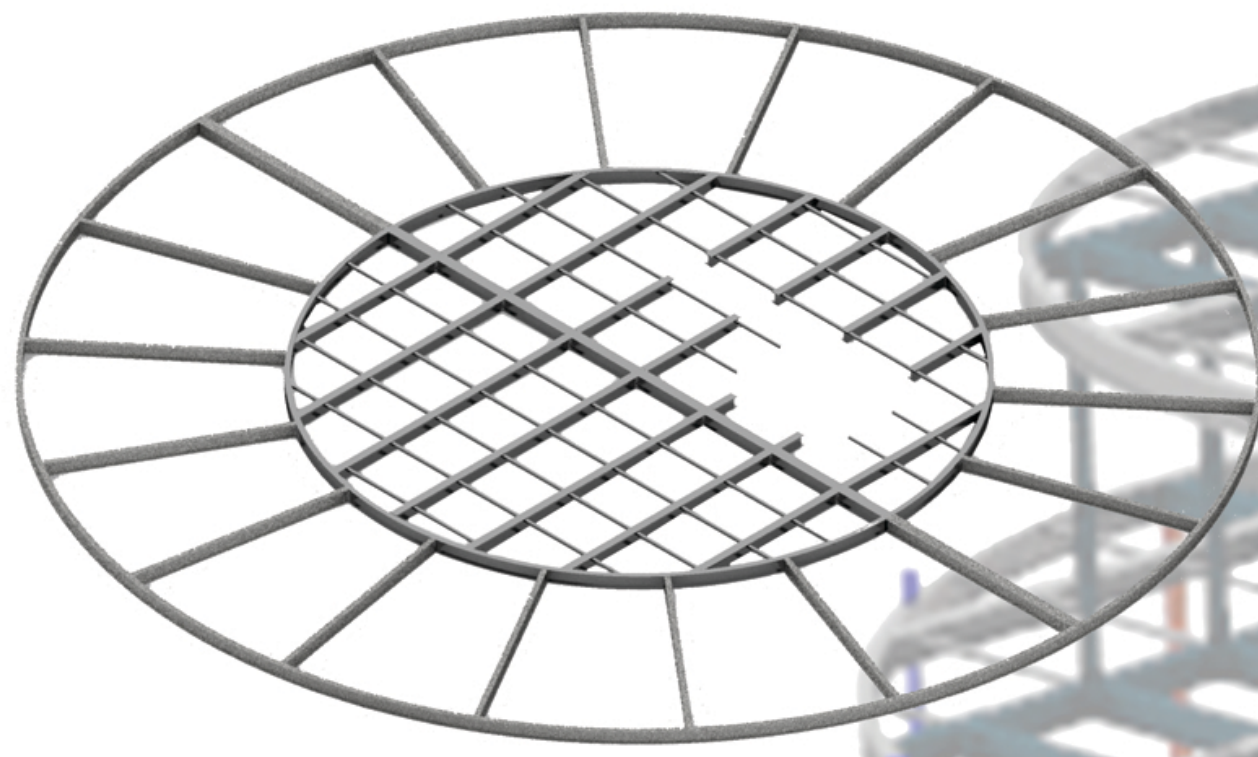


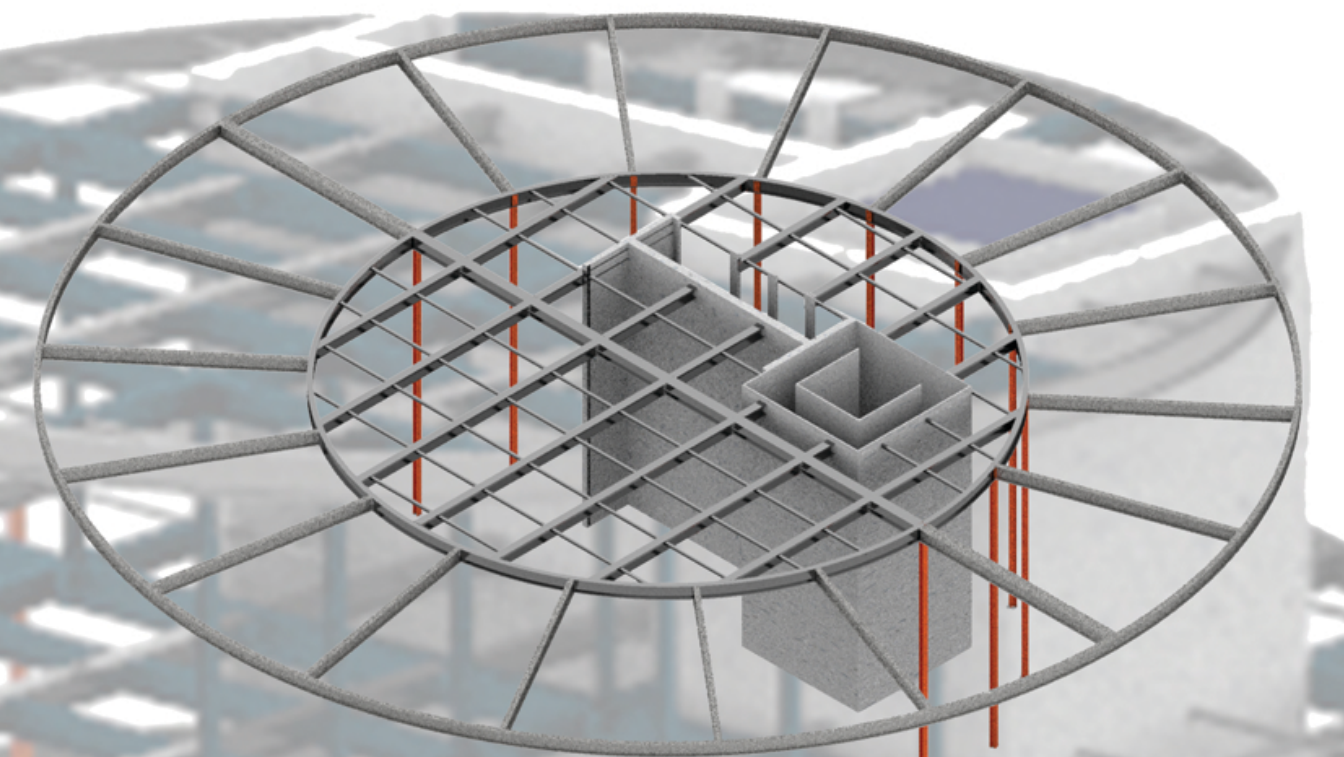
STRUCTURE



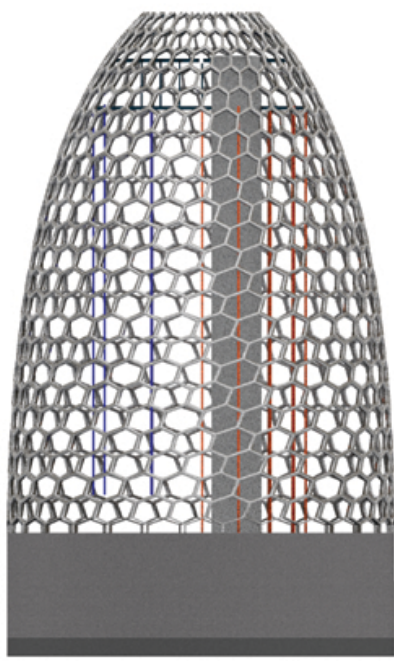
PRIMARY BEAM



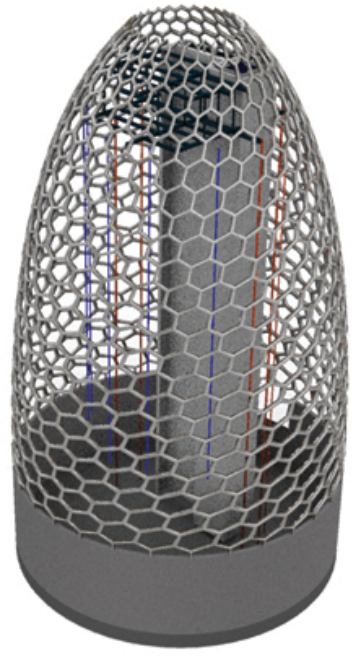
SECONDARY BEAM



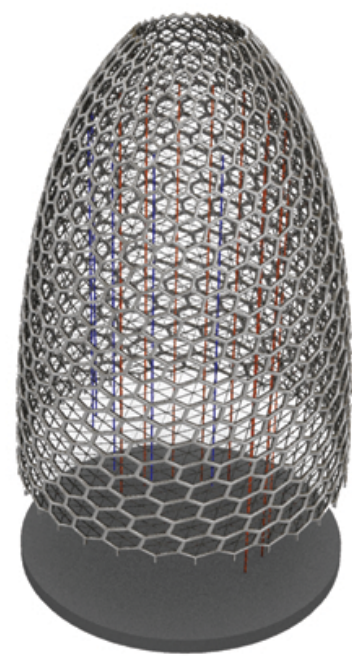
BEAM , COLUMN



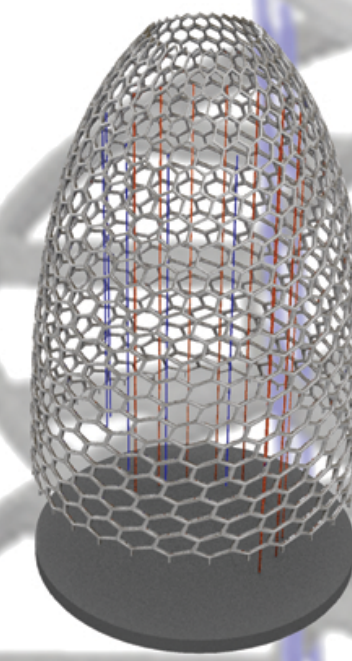
ELEVATION STRUCTURE



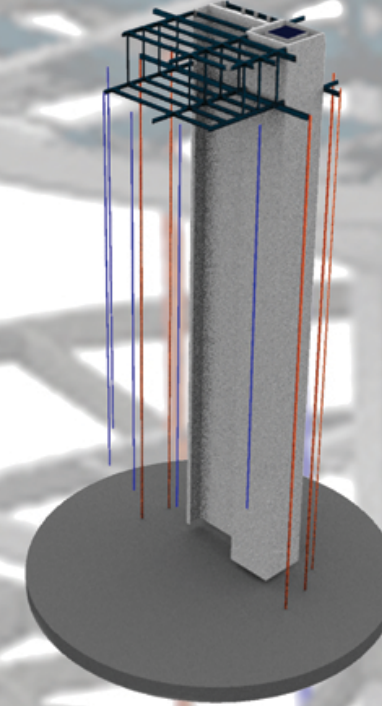
3D STRUCTURE



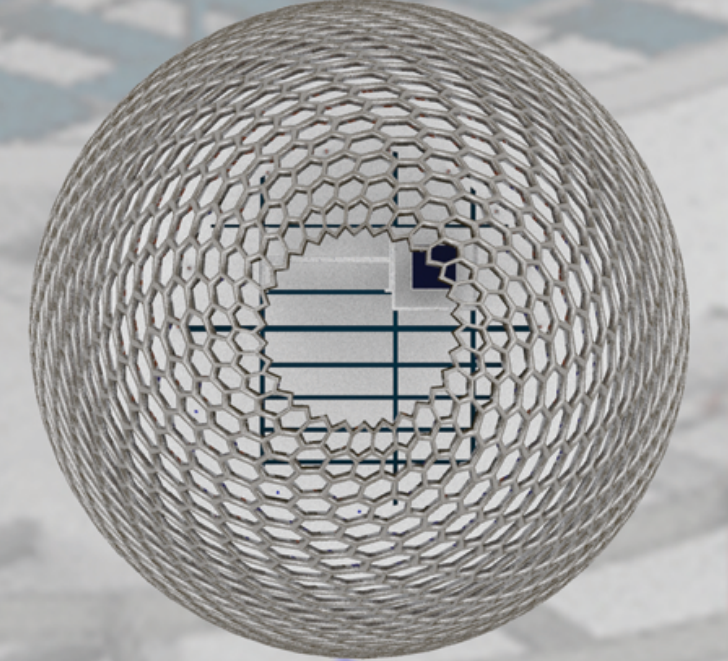
TOTAL FRAME FACADE



MAIN FRAME FACADE



VERTICAL ELEMENTS



PLAN STRUCTURE

N°	Layer	Thickness D (mm)	Weight (kg/m ²)	Weight (kN/m ²)	Thermal conductivity λ (W/m·K)	Thermal resistance R (m ² ·K/W)
1	Vegetation soil intensive substrate-Baudeur	400	500	4.90	1.40	0.28
2	Filter layer-Baudeur Filter fleece FV 125	0.126	0.125	0.001	0.22	0.00004
3	Filter layer-Baudeur WSP 75 water storage panel	75	21.5 (incl. water storage)	0.009	0.03	2.5
4	Protective layer-Baudeur fibre protection Mat FPM 600	4	0.60	0.005	0.22	0.01
5	Separating and sliding layer-Baudeur PE 02 separating foil	0.200	0.19	0.001	0.22	0.00009
6	Rigid insulation-Knauf Foam C 350 SE eps	100	4.10	0.040	0.037	2.70
7	Vaporbarrier-Rivegas IS 46 PE	0.125	0.10	0.0009	0.22	0.00005
8	Waterproof layer-Gippen bitumen membrane	1.20	1.50	0.014	0.17	0.007
9	Structural ribbed slab-Compugrid metal sheet-concrete	150	312.3	3.06	0.70	0.21
10	Primary steel beams HEB 660 + Secondary steel beams HEB 220	660	225+71.5	2,20+0,70	0.15	6.66
11	Insulation-drywall-Knauf ISOLAstra	20+12.5	10.2	0.10	0.032	0.1
TOT		1423.15	825.51	8.09	/	12.37
TOT U VALUE (m ² /K/W)					0.08	

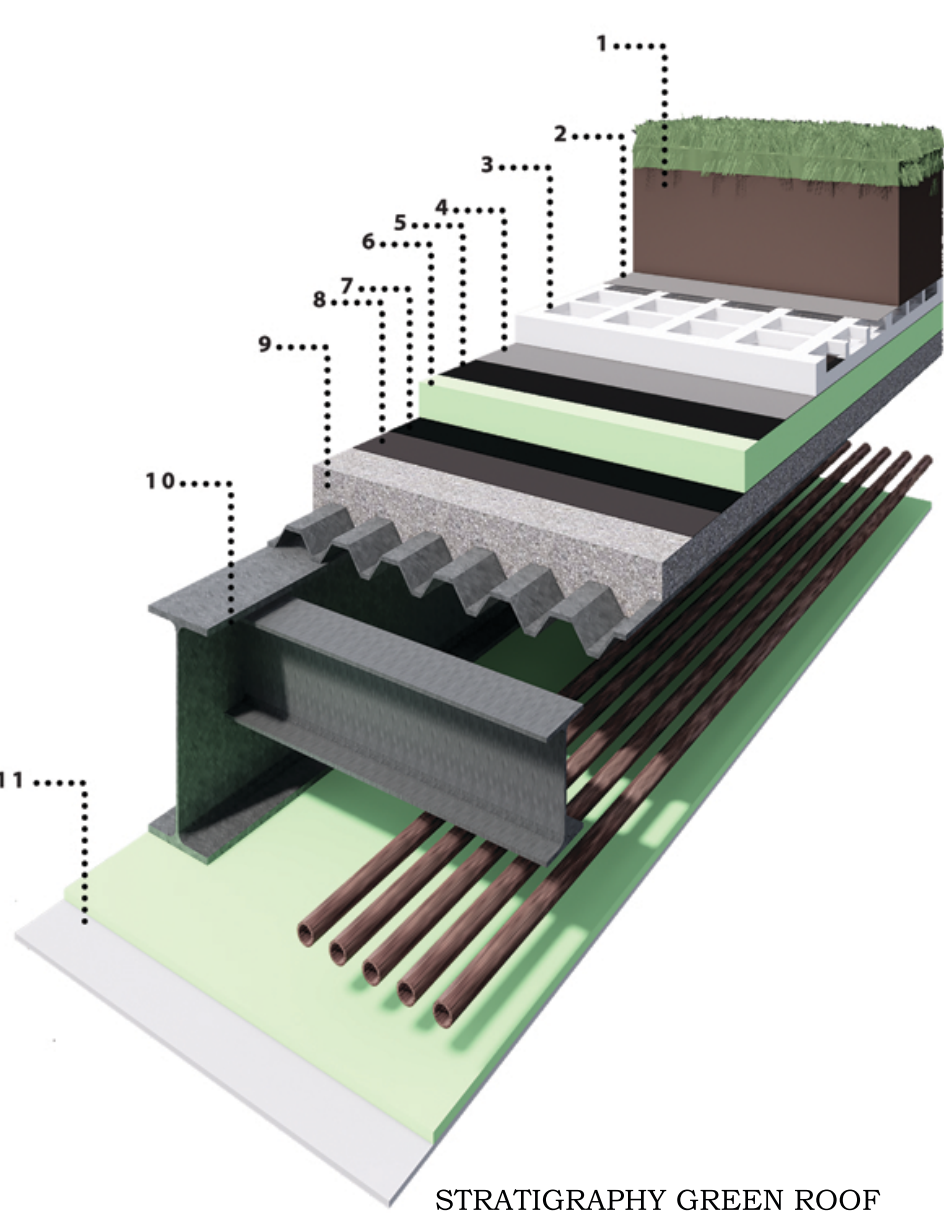
STRATIGRAPHY GREEN ROOF TABLE

N°	Layer	Thickness D (mm)	Weight (kg/m ²)	Weight (kN/m ²)	Thermal conductivity λ (W/m·K)	Thermal resistance R (m ² ·K/W)
1	Floor panel flooring floor-Shoulder electric linear panels 30x30	30	346	3.4	0.16	0.18
2	Alu-floating floor support	50	0.35 cad	0.003	0.18	0.55
3	Concrete screed	50	26	0.25	0.7	0.05
4	Rigid insulation-Knauf KIAM C 350 SE XPS	50	4.1	0.037	0.037	2.70
5	Structural ribbed slab-Compugrid metal sheet-concrete	150	312.3	3.06	0.70	0.21
6	Primary steel beams HEB 660 + Secondary steel beams HEB 220	660	225+71.5	2,20+0,70	0.15	6.66
7	Insulation-drywall-Knauf ISOLAstra	20+12.5	10.2	0.10	0.032	0.1
TOT		1022.50	995.45	9.77	/	10.45
TOT U VALUE (m ² /K/W)					0.09	

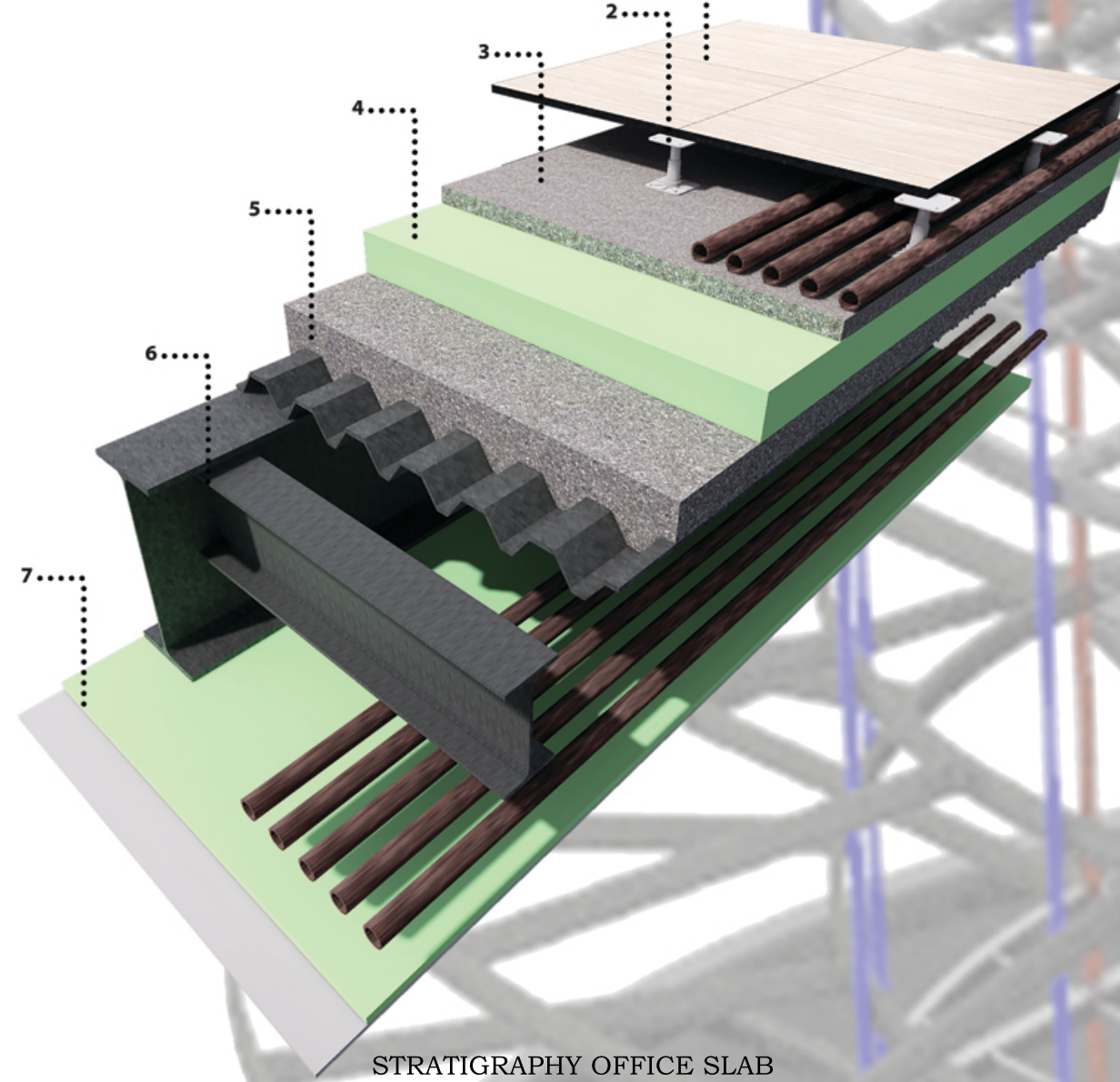
STRATIGRAPHY OFFICE SLAB TABLE

N°	Layer	Thickness D (mm)	Weight (kg/m ²)	Weight (kN/m ²)	Thermal conductivity λ (W/m·K)	Thermal resistance R (m ² ·K/W)
1	Drywall panels-Knauf GKB panel	12.5*2	3.54*2	0.037*2	0.21*2	0.06*2
2	Rigid insulation + C profiles steel-Knauf Isocroc 40	50	17.92	0.17	0.042	0.95
2	Rigid insulation + C profiles steel-Knauf Isocroc 40	50	17.92	0.17	0.042	0.95
1	Drywall panels-Knauf GKB panel	12.5*2	3.54*2	0.037*2	0.21*2	0.06*2
TOT		150	50	0.49	/	2.27
TOT U VALUE (m ² /K/W)					0.13	

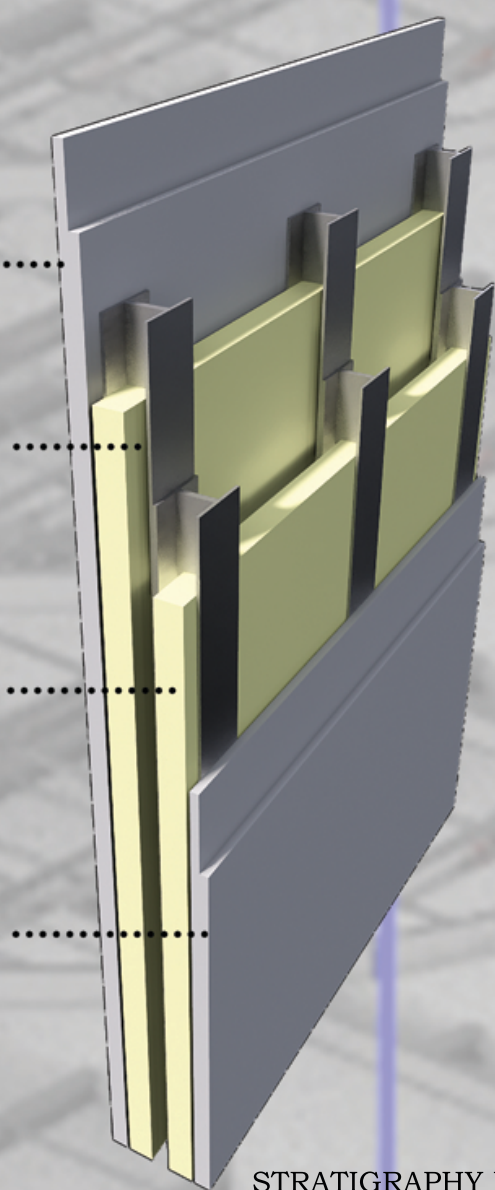
STRATIGRAPHY INTERNAL PARTITIONS TABLE



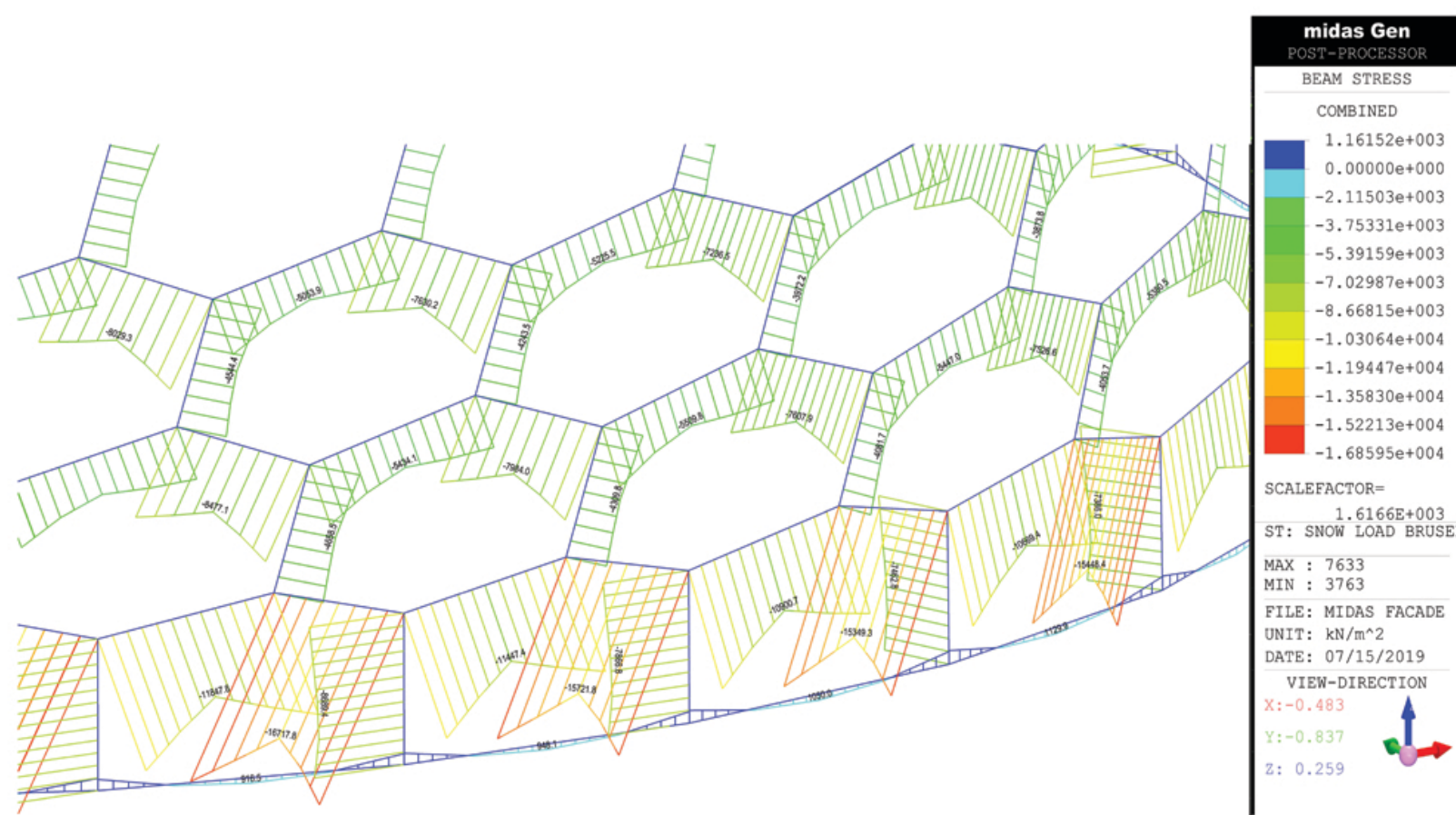
STRATIGRAPHY GREEN ROOF



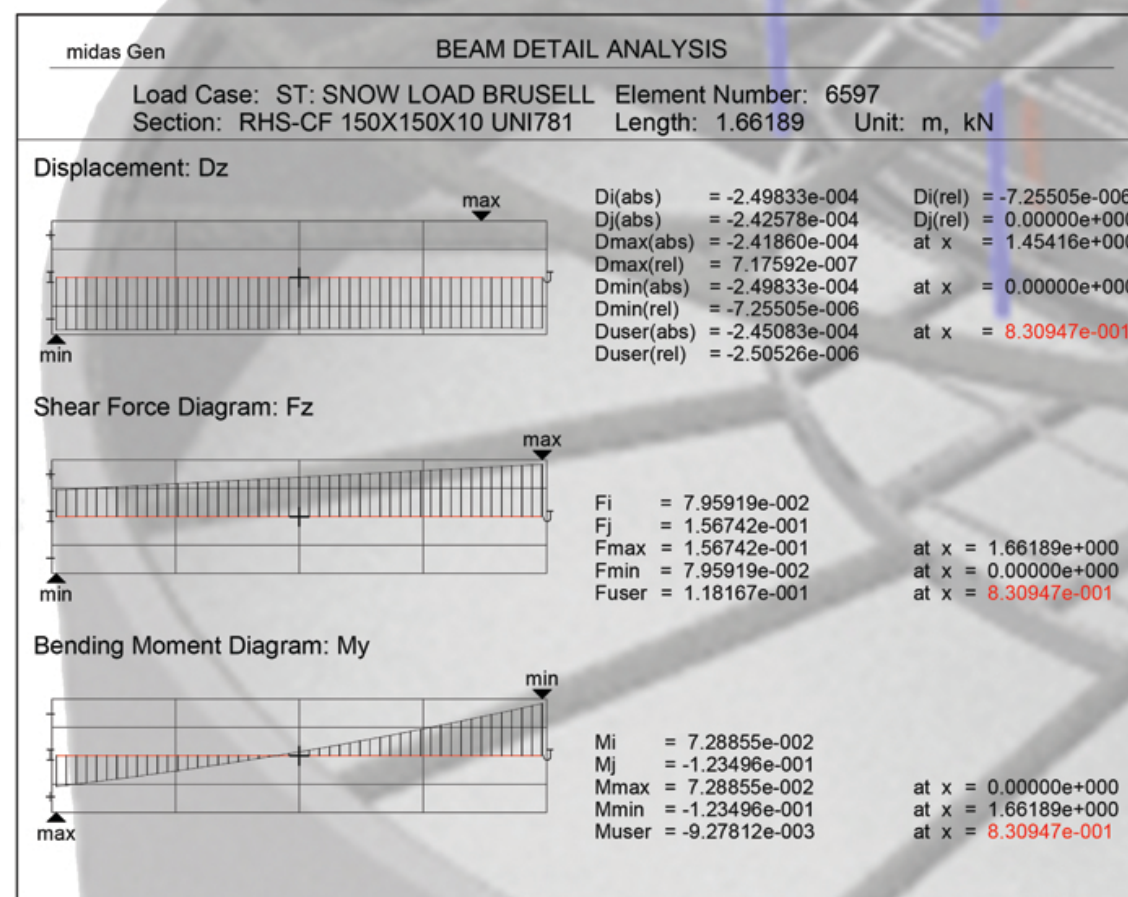
STRATIGRAPHY OFFICE SLAB



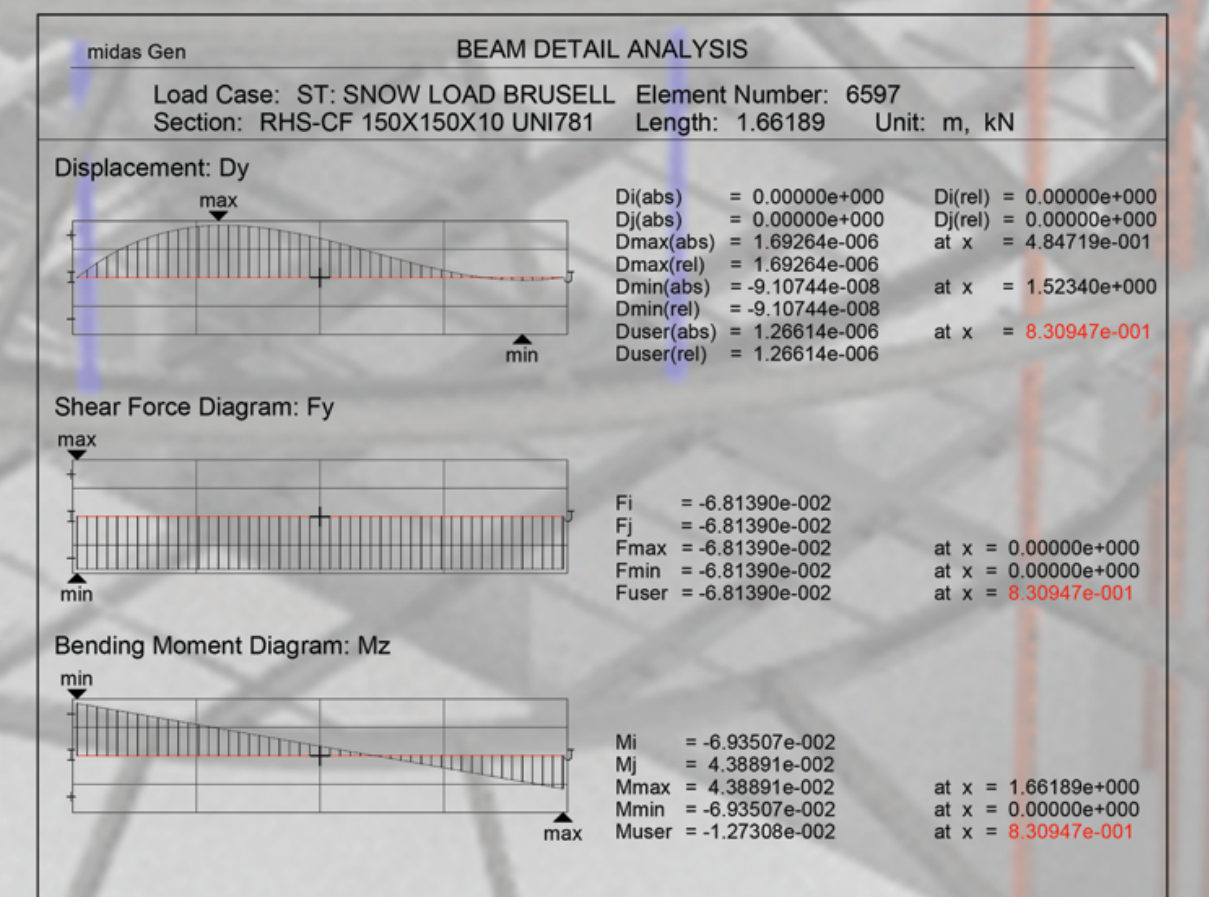
STRATIGRAPHY INTERNAL PARTITIONS



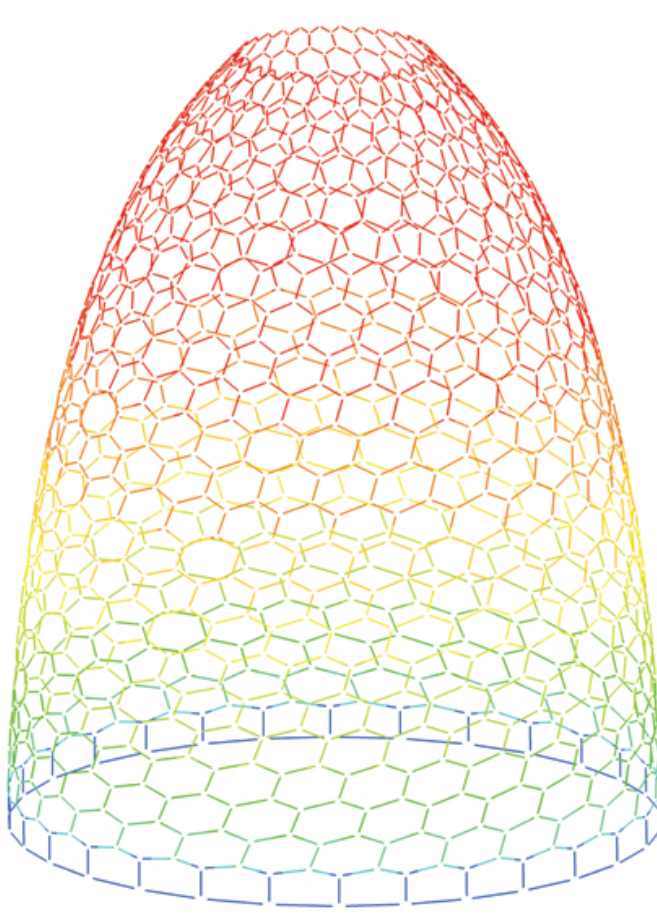
MIDAS BEAM STRESS DIAGRAMS WEAKED PART FACADE COMBINED



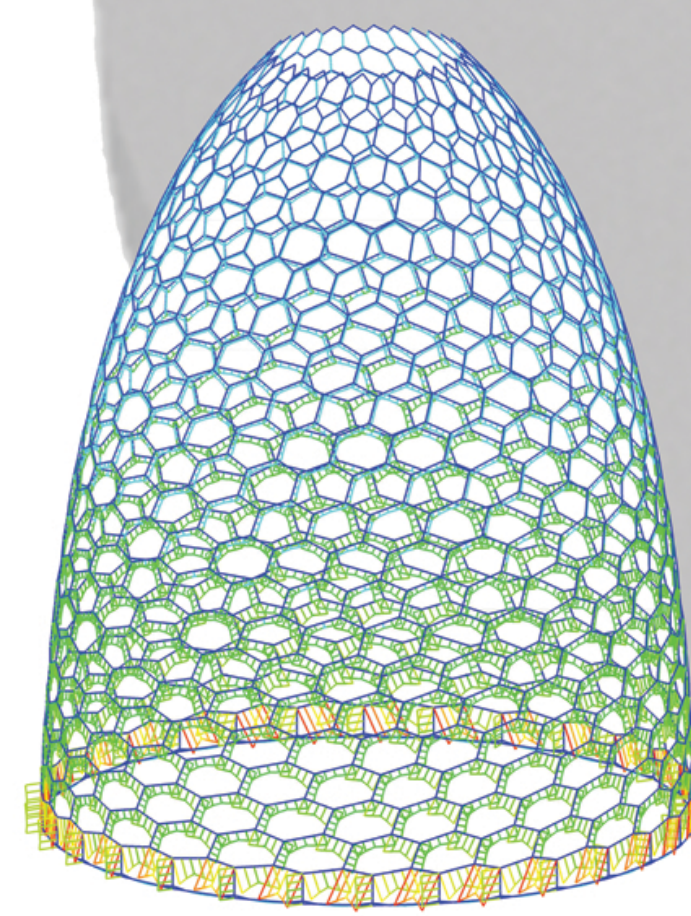
MIDAS DISPLACEMENT SHEAR BENDING MOMENT FACADE Z DIRECTION



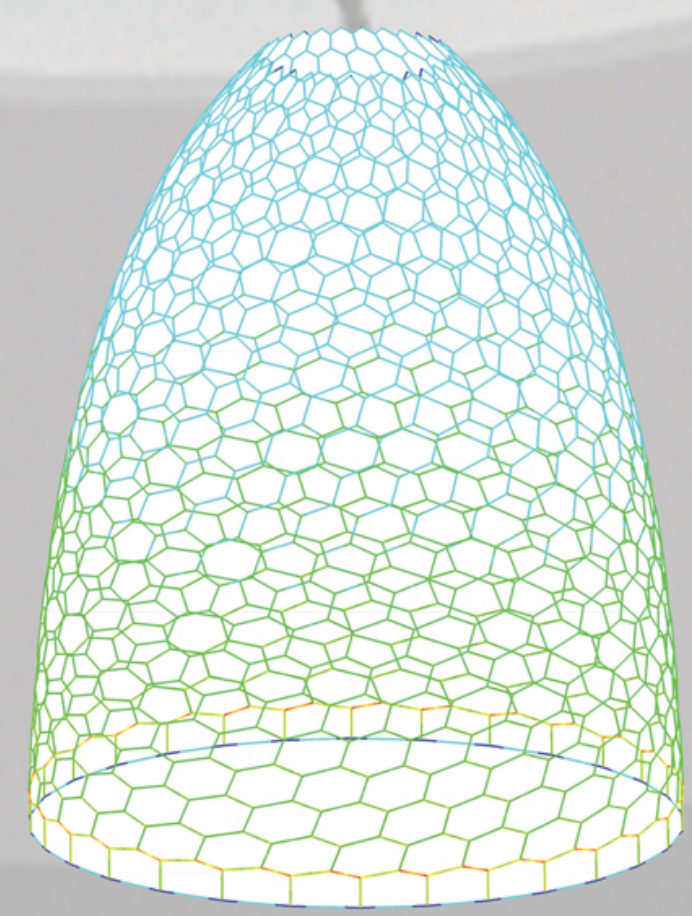
MIDAS DISPLACEMENT SHEAR BENDING MOMENT FACADE Y DIRECTION



MIDAS DEFORMATION CONTOUR FACADE DIRECTION XYZ



MIDAS BEAM STRESS DIAGRAMS FACADE COMBINED



MIDAS BEAM STRESS MAX FACADE COMBINED

