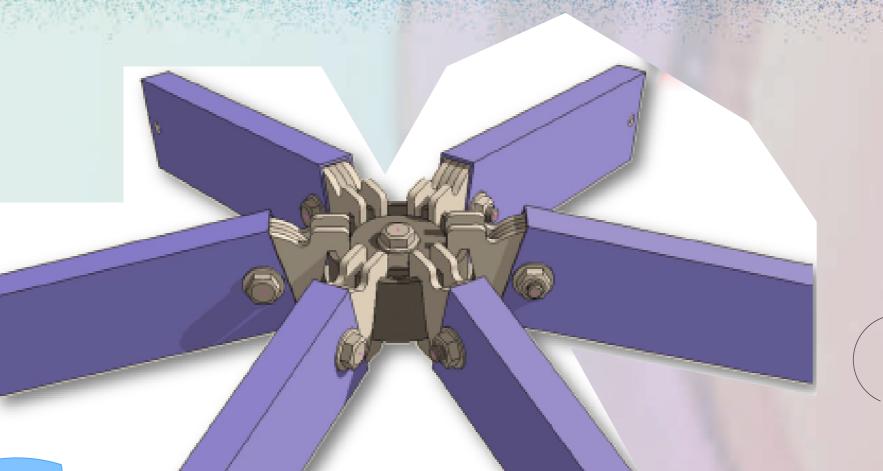
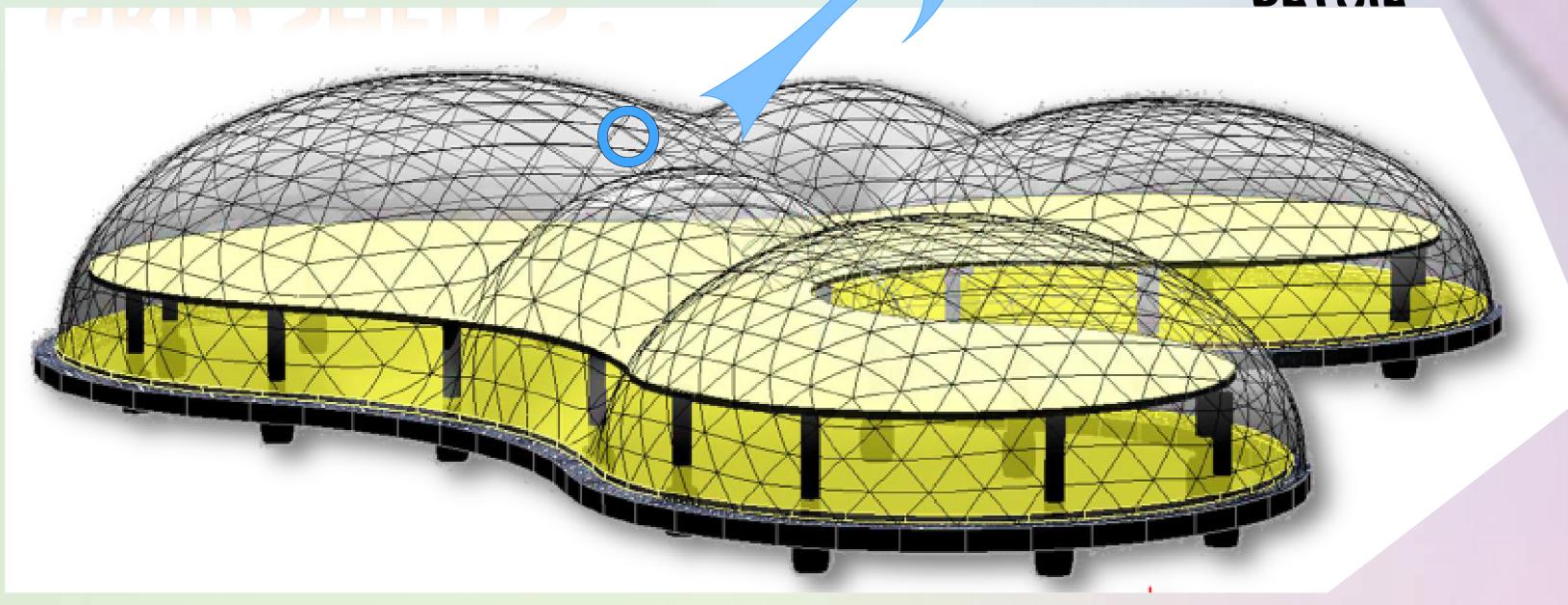
THE STRUCTURAL SYSTEM THAT IS USED IN THE PROJECT IN ORDER TO OBTAIN THE FLEXIBLE CURVES OF THE MULTI LINKED DOMES SHAPE IS GRID SHELLS.



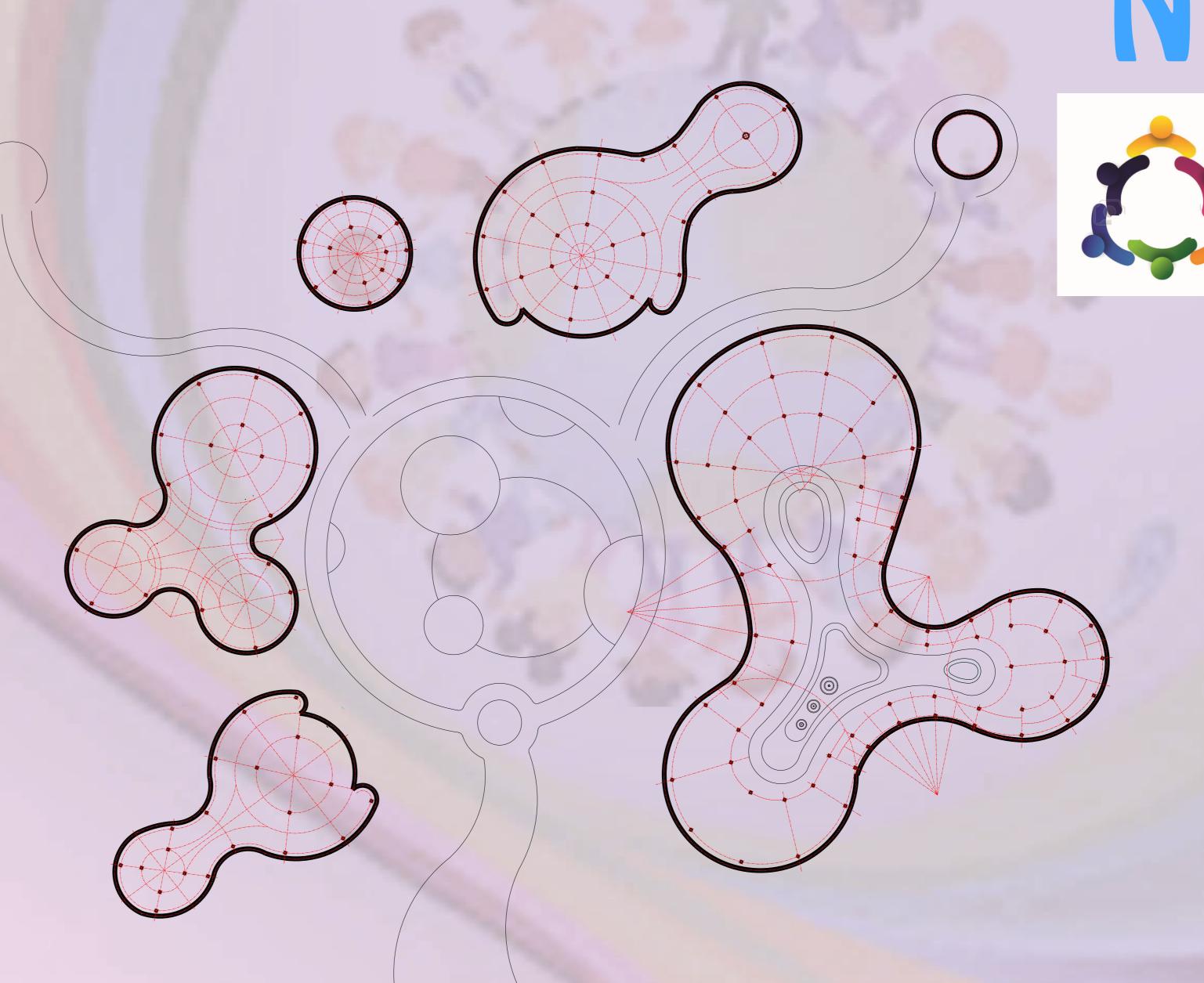
GRID SHELL HUB DESIGN 3D DETAIL



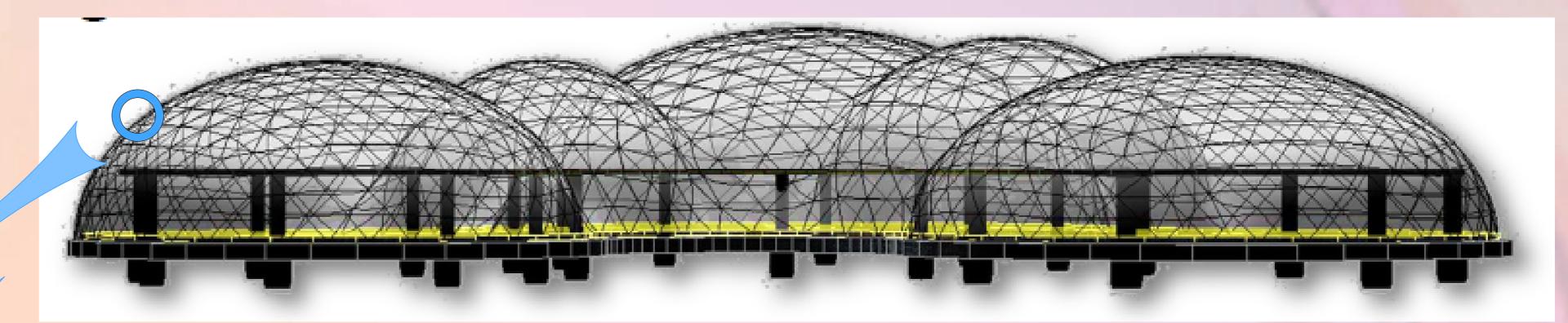
GRID SHELLS

SHELL FINALL COVERING:

THE SHELL FINALL COVER TO BE EXPANDED POLYURTHANE FOAM 15 CM.
INSULATION FOAM IS USED IN THE BUILDING THAT HARDENS INTO LIGHTWEIGHT BUT VERY STRONG MATERIAL. THIS CAN BE SPRAYED ONTO A SIMPLE CLOTH COVER WITH METAL MESH TO BIND IT TOGETHER. THEN THE FOAM TO BE PAINTED TO PROTECT IT FROM THE SUN.



STRUCTURAL GRID PLAN SCALE: 1:500



SHELL LAYOUT

STRUCTURE SYSTEM DETAILES



EXPANDED POLYURETHANE FOAM

YARA OSMAN NABRI