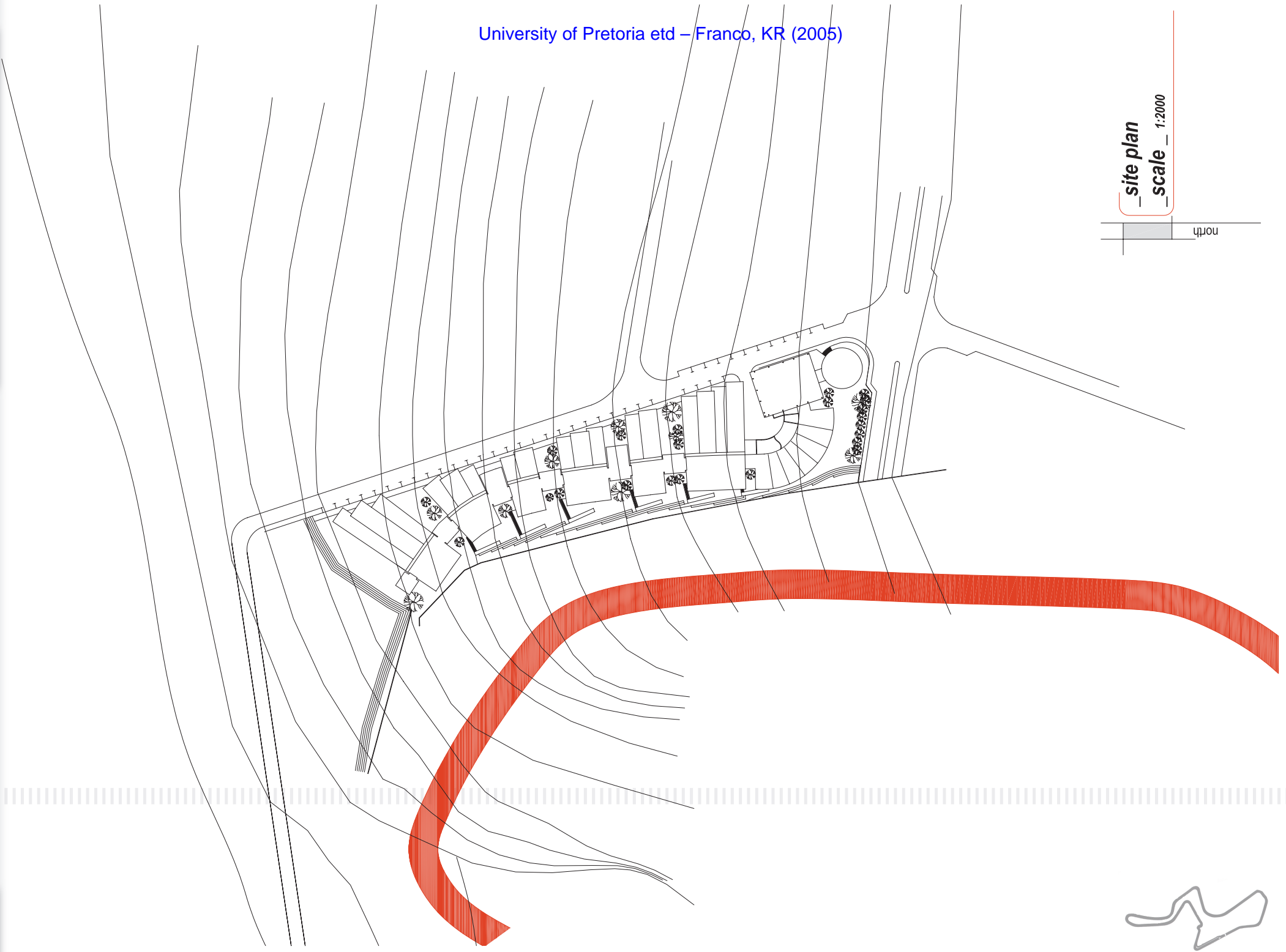
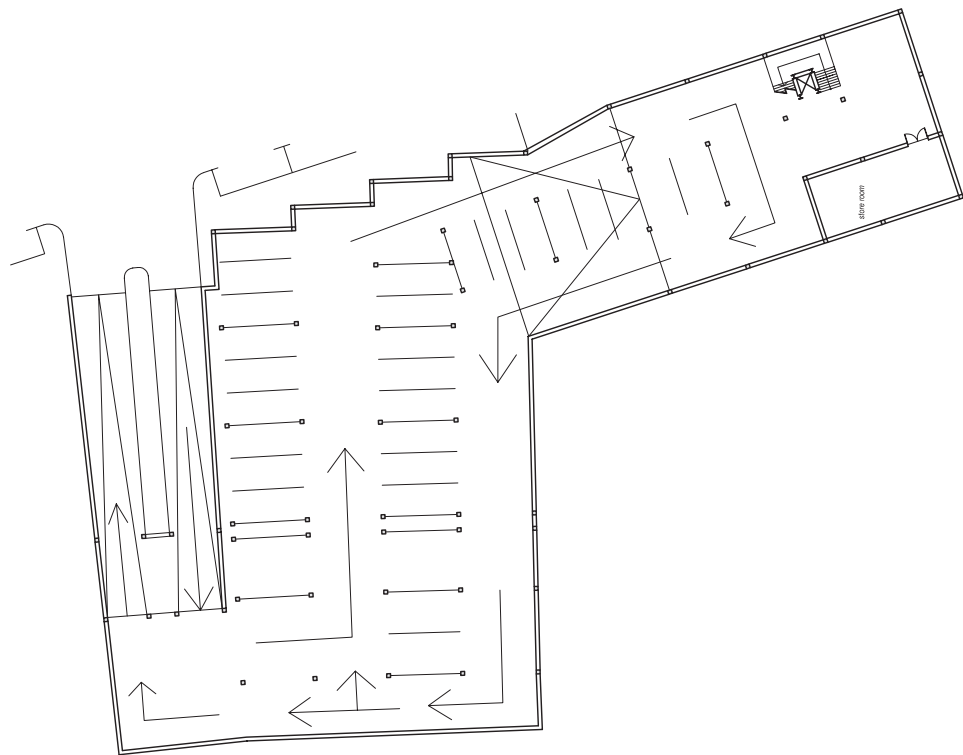


technical drawings



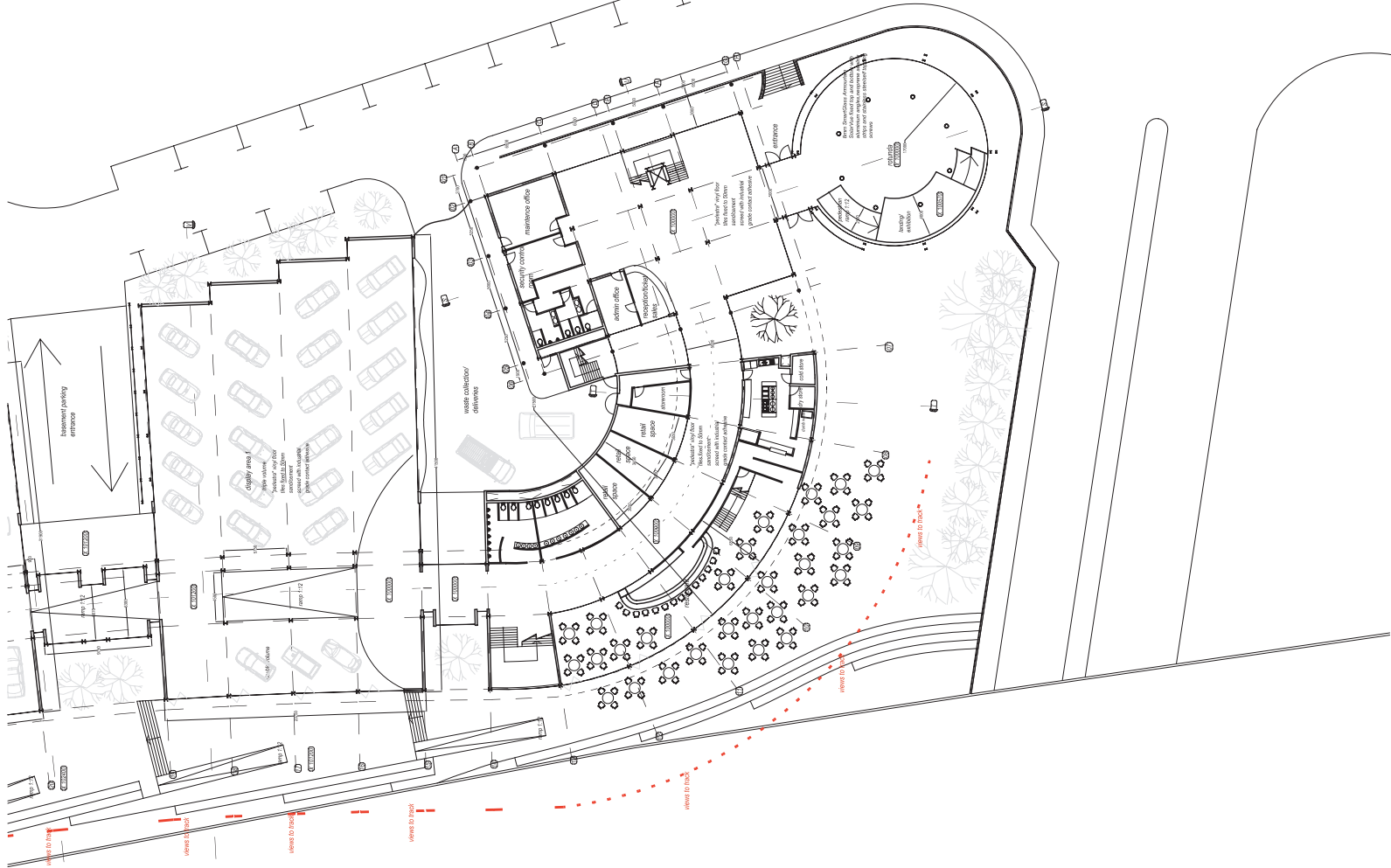
_site plan
_scale _ 1:2000





basement plan
scale 1:600
north

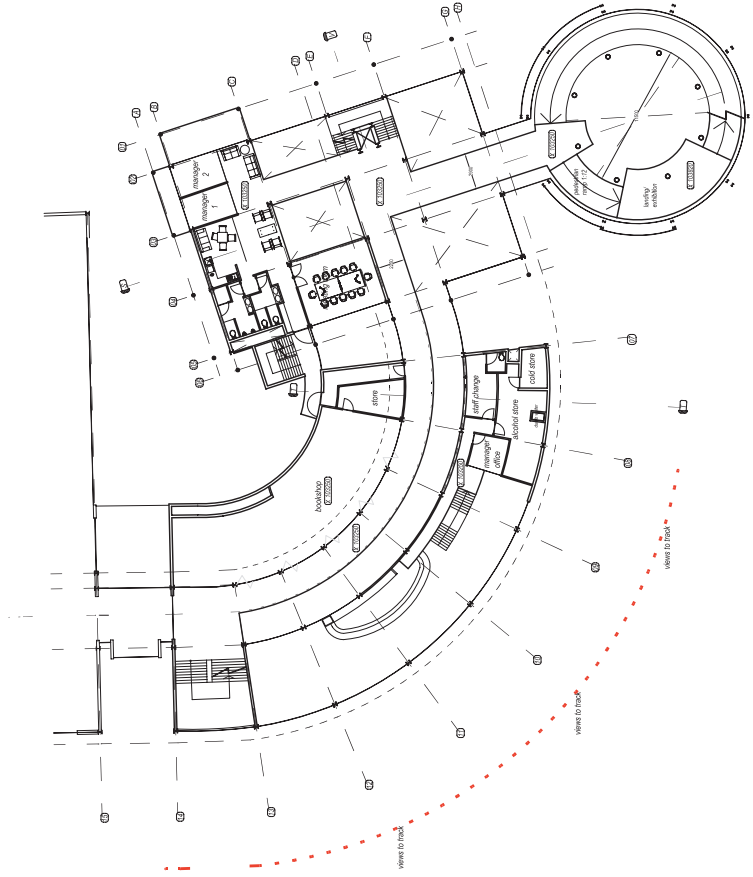




ground floor plan
 scale 1:600

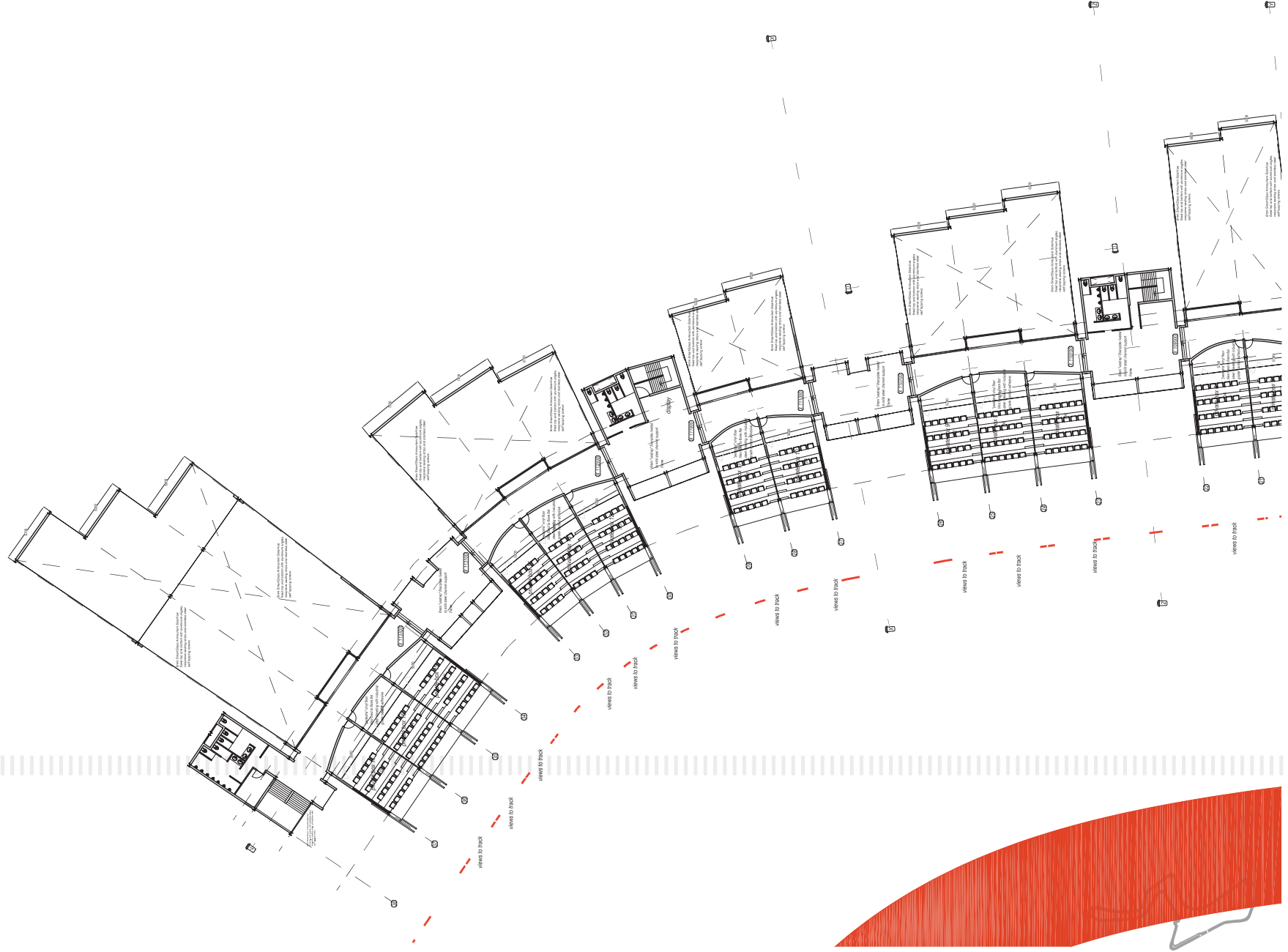
north

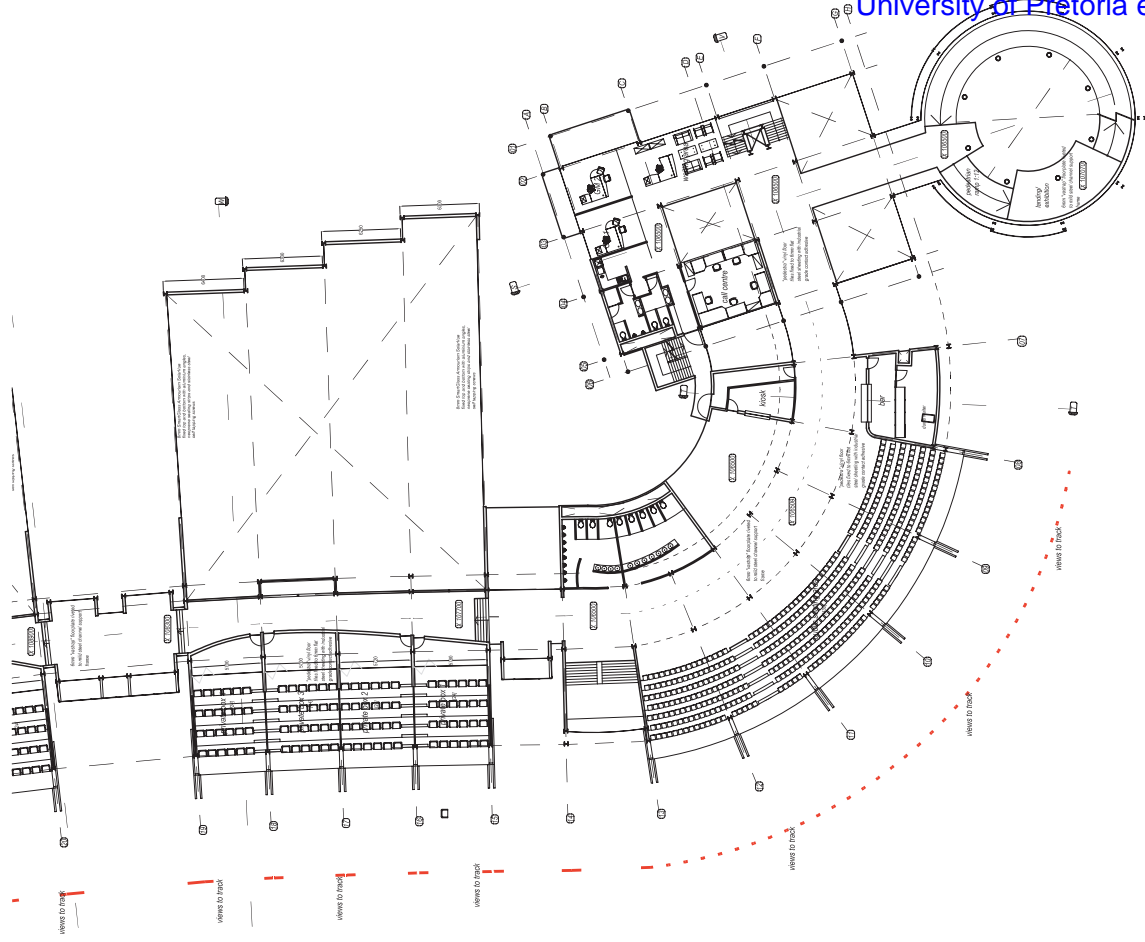




first floor plan
scale 1:600

north

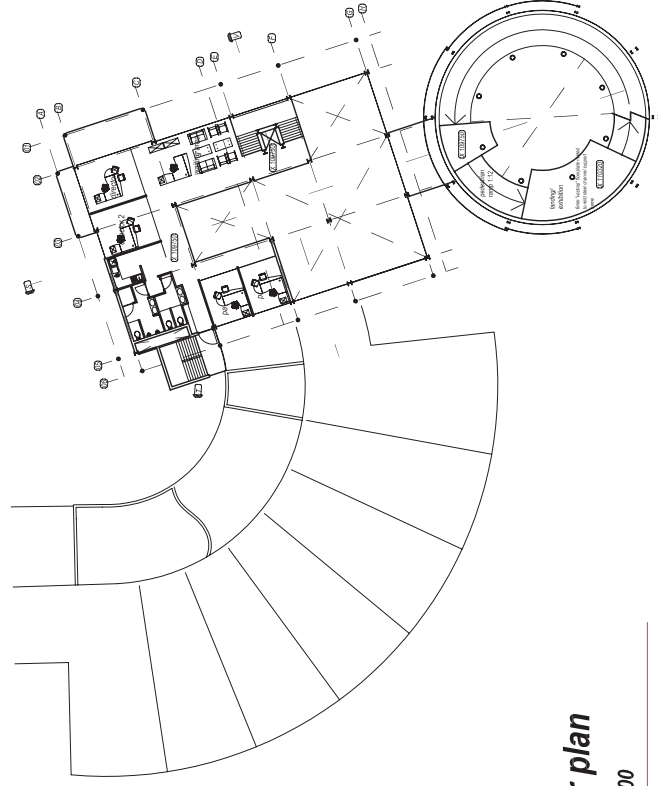




_second floor plan
scale 1:600

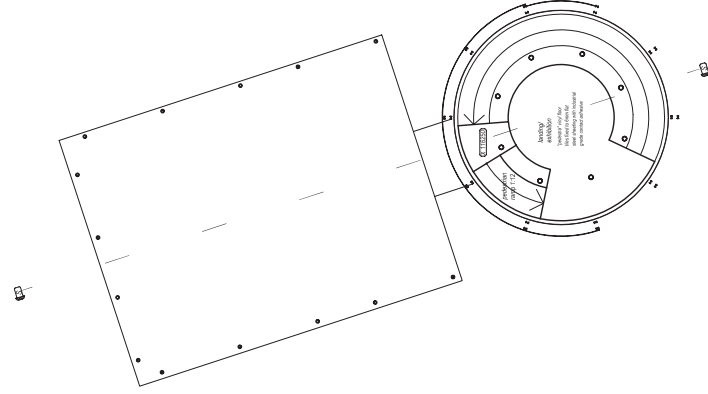
north





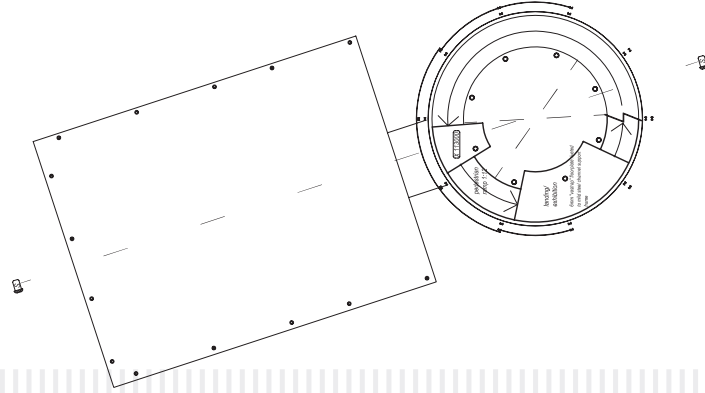
third floor plan
scale 1:600

north



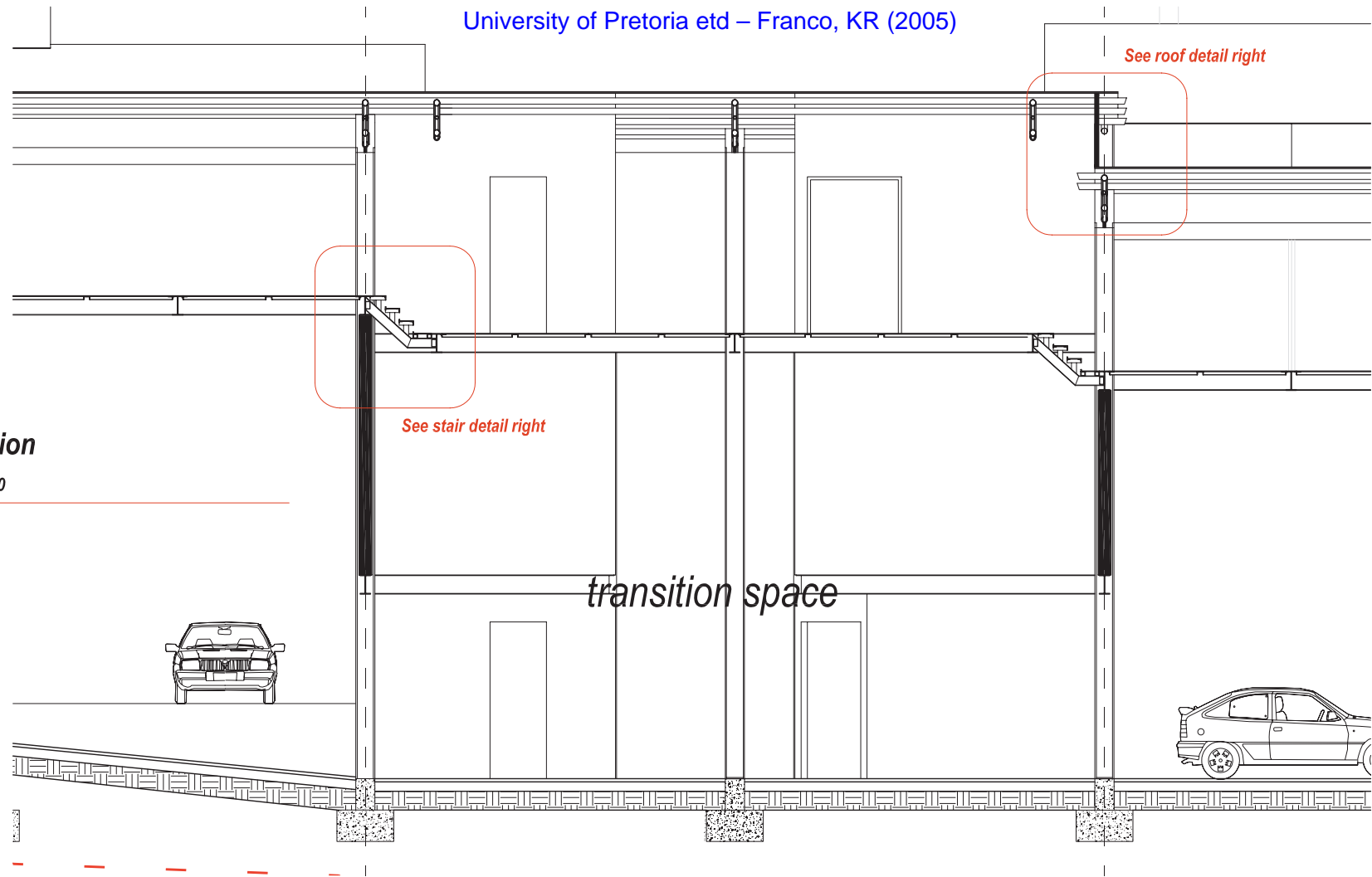
fifth floor plan
scale 1:600

north



fourth floor plan
scale 1:600

north

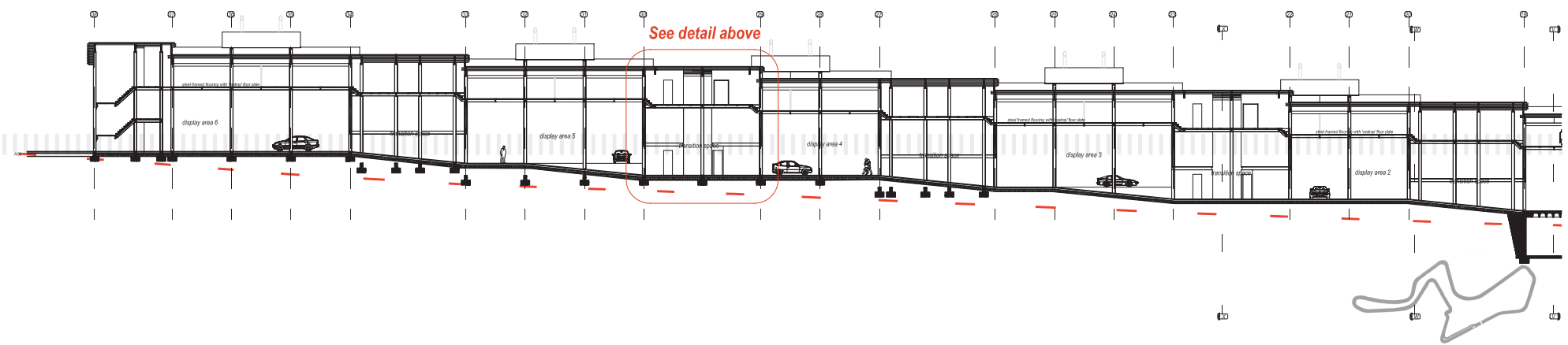


detail section
scale 1:100

transition space

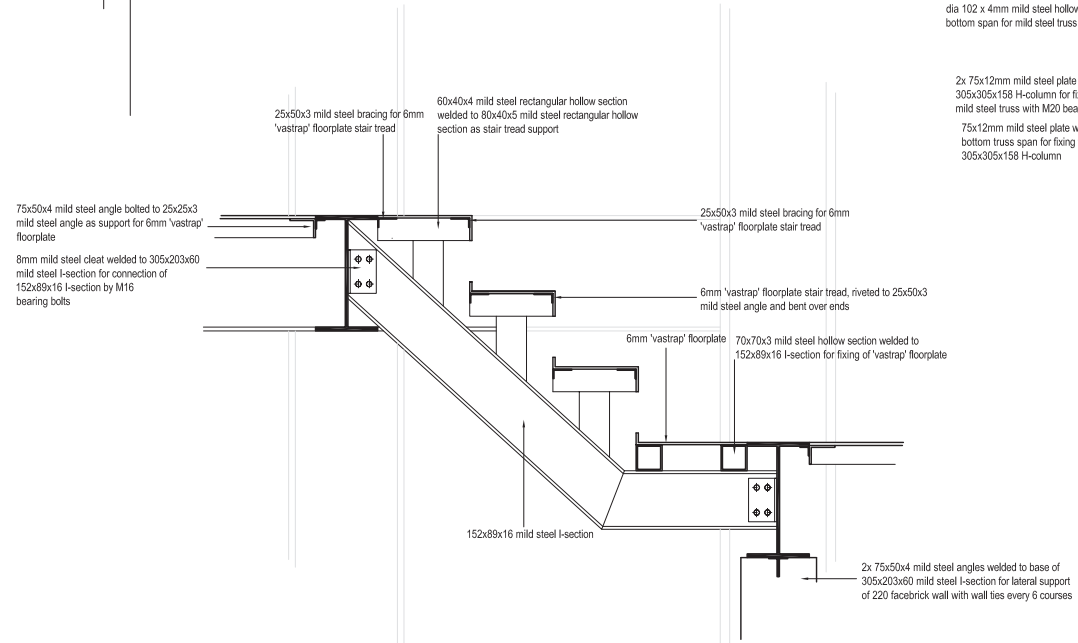
See roof detail right

See stair detail right



See detail above

_typical stair detail
_scale _ 1:20



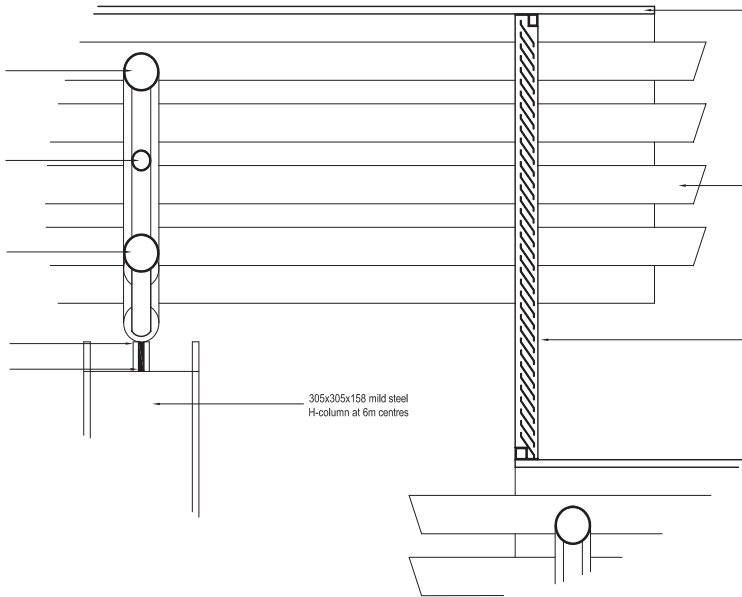
dia 102 x 4mm mild steel hollow section top span for mild steel truss

dia 48 x 3mm mild steel hollow section bracing for mild steel truss

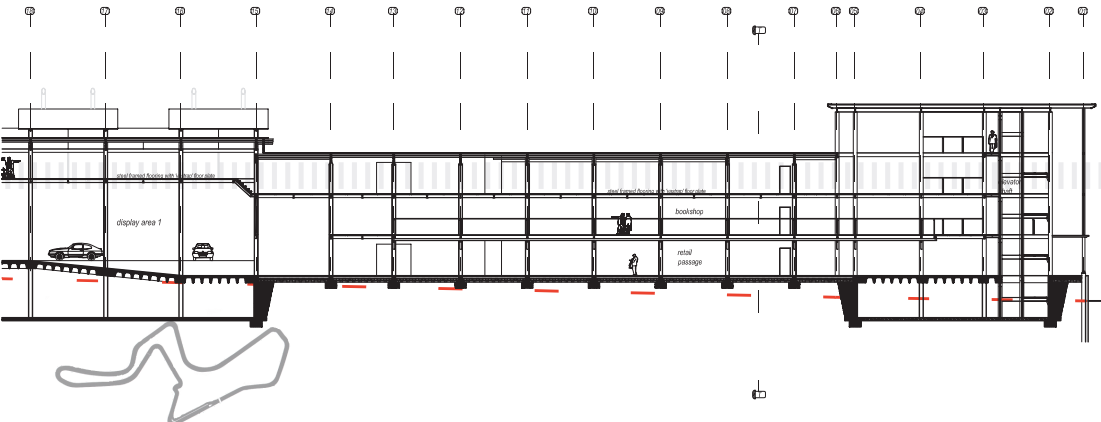
dia 102 x 4mm mild steel hollow section bottom span for mild steel truss

2x 75x12mm mild steel plate welded to 305x305x158 H-column for fixing to mild steel truss with M20 bearing bolt

75x12mm mild steel plate welded to bottom truss span for fixing to 305x305x158 H-column



_typical roof edge detail
_scale _ 1:20



13715 top of finished slab
13600 underside of slab
13100 underside of beam

9750

6500

3250

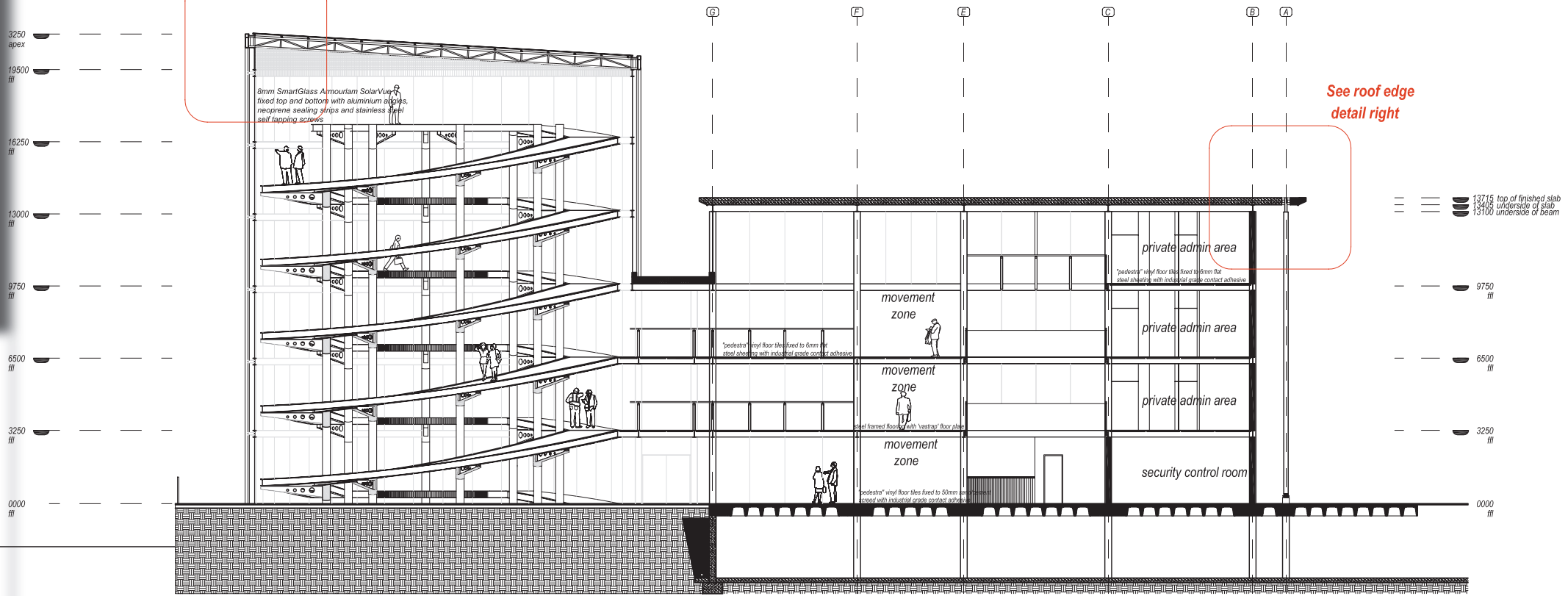
1000

300

_longitudinal section v-v exploded
_scale _ 1:600

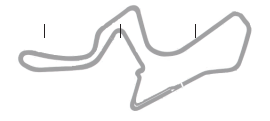
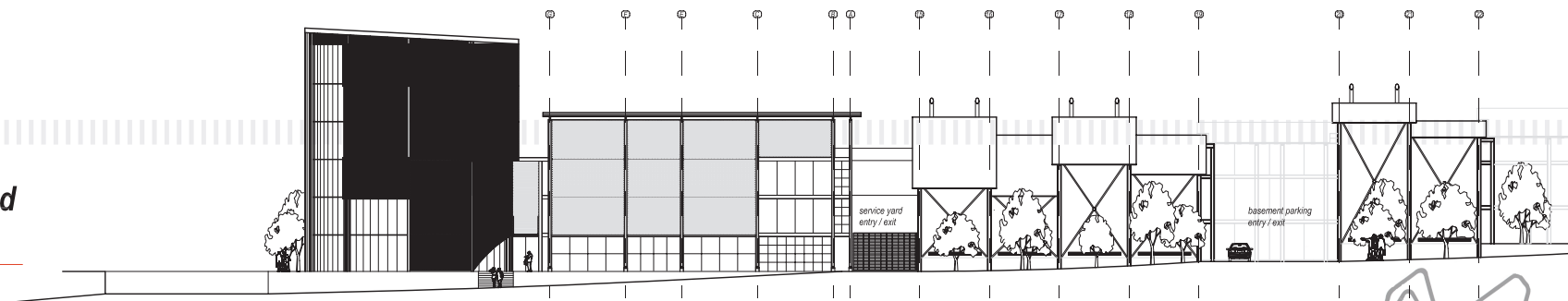
See roof edge detail
on following page

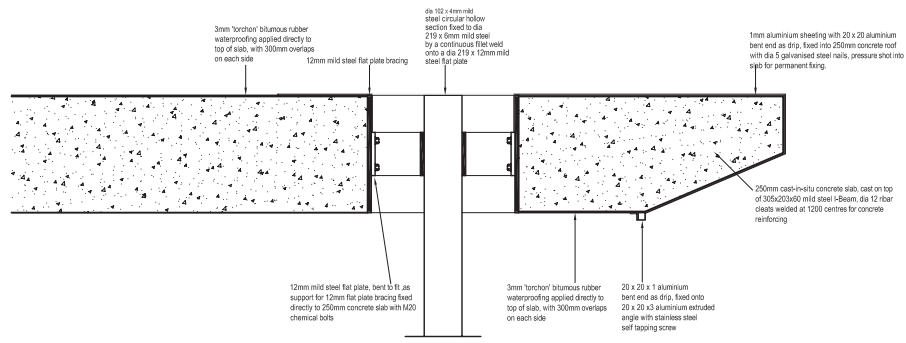
See roof edge
detail right



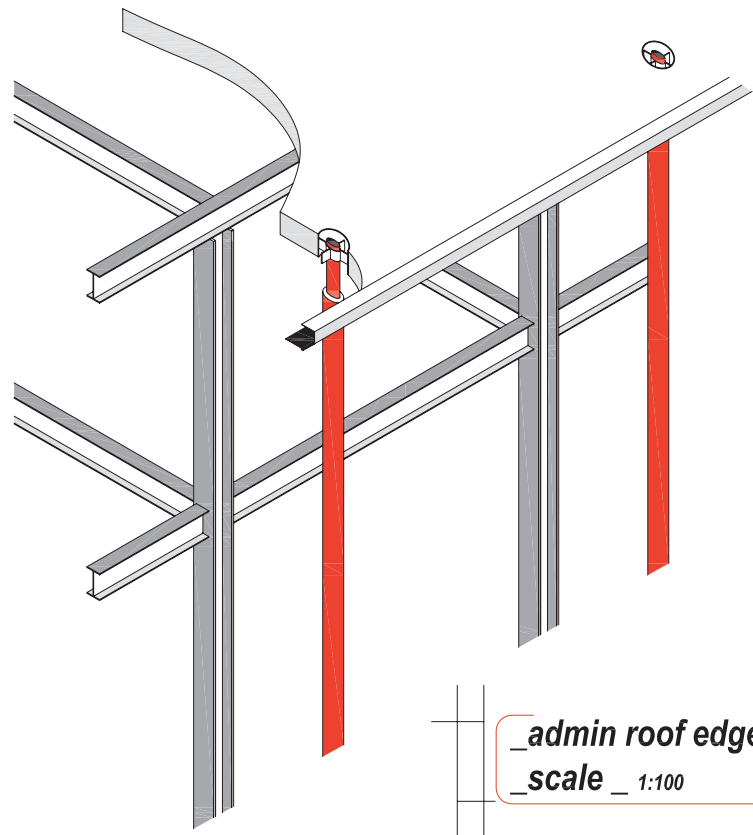
_section s-s
scale 1:250

east elevation exploded
scale 1:600

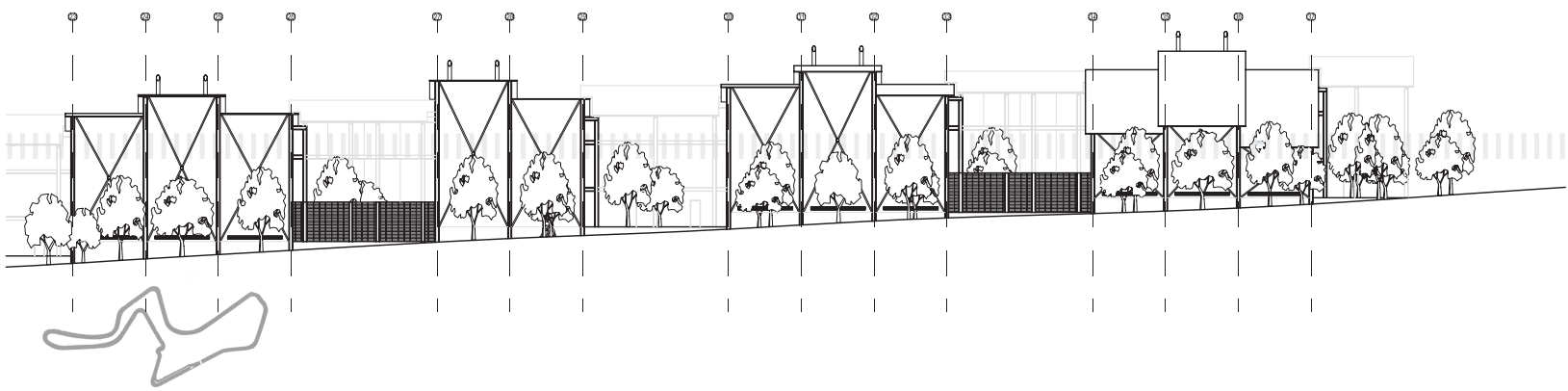




_ admin roof edge detail
_ scale _ 1:20



_ admin roof edge iso
_ scale _ 1:100





75x50x20x2.5 cold formed lipped steel channel purlins with steel self-tapping screw

152x76x18 mild steel channel top chord of truss

0.6 galvanised steel IBR profile roof sheeting fixed to 75x50x20x2.5 cold formed lipped steel channel purlins with steel self-tapping screw

1mm aluminium sheeting panels for covering IBR and expanded polystyrene, fixed to IBR with aluminium blind rivets and neoprene washer

250x75x20x3 cold-formed lipped channel as rainwater gutter

150x150x5 mild steel hollow section as top chord of circular outer truss

120x55x13 mild steel channel bracing for circular outer truss

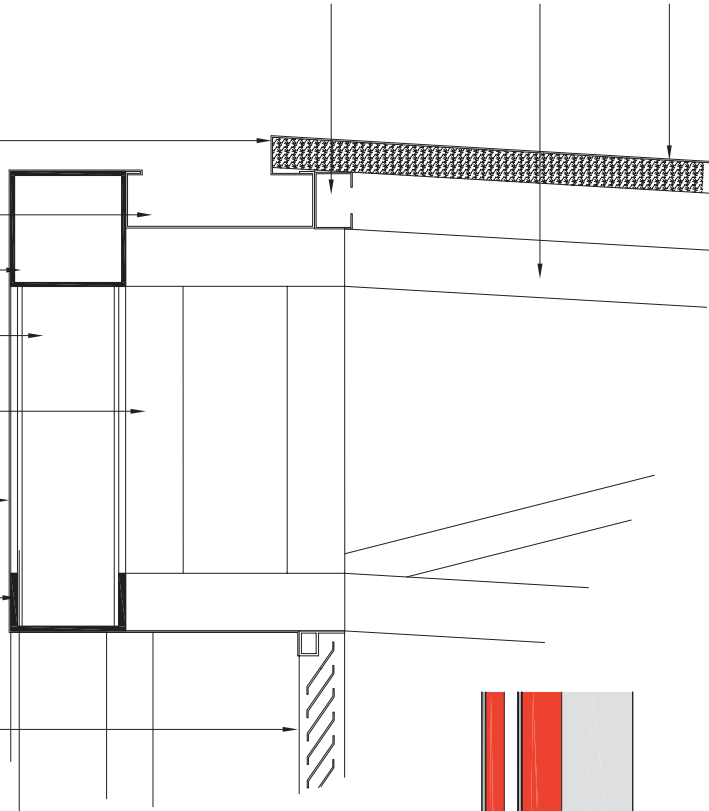
152x76x18 mild steel channel frame for internal crossing trusses

1mm aluminium sheeting panels for cladding of outer circular truss, folded over top and bottom, fixed at 150 centres with aluminium blind rivets and neoprene washer

152x76x18 mild steel channel for bottom chord of circular outer truss

aluminium ventilation louvres fixed to underside of mild steel truss with stainless steel self tapping screws

expanded polystyrene infill in IBR valley for thermal insulation

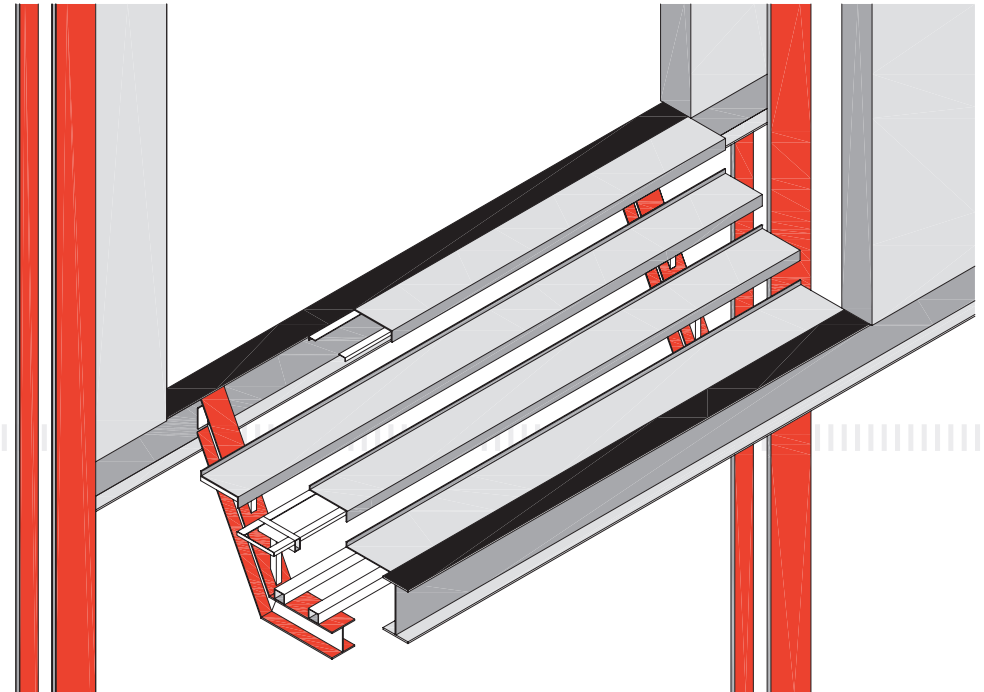


_rotunda roof edge detail

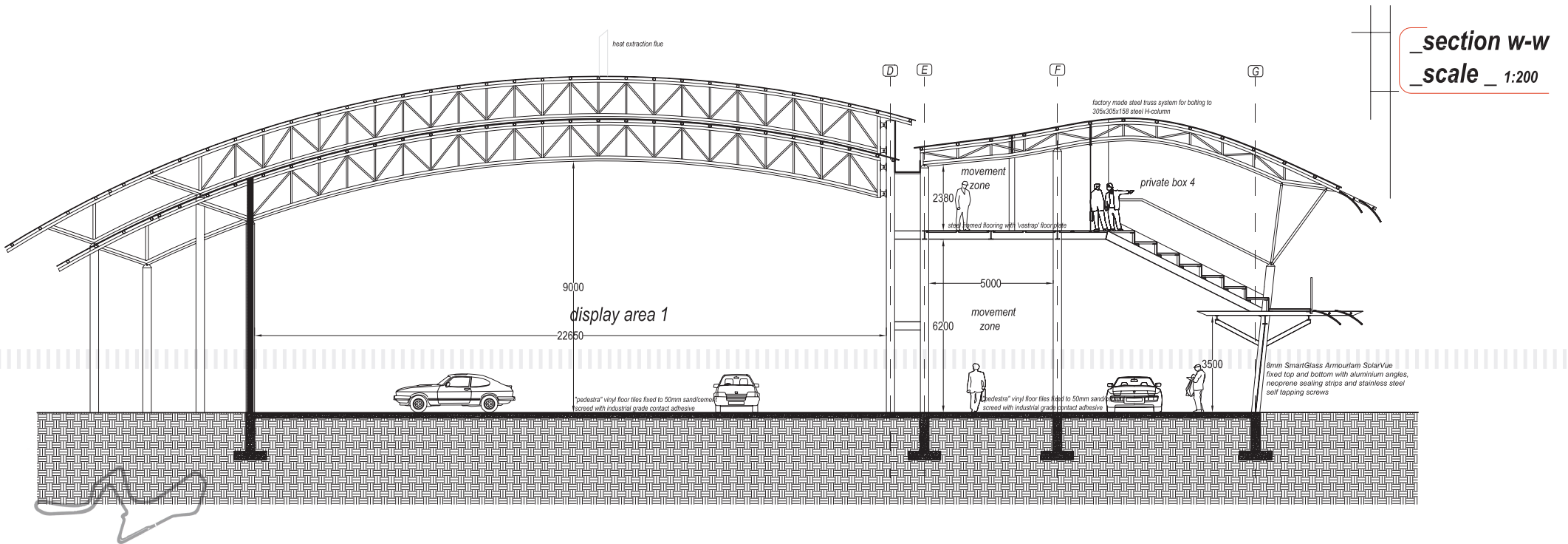
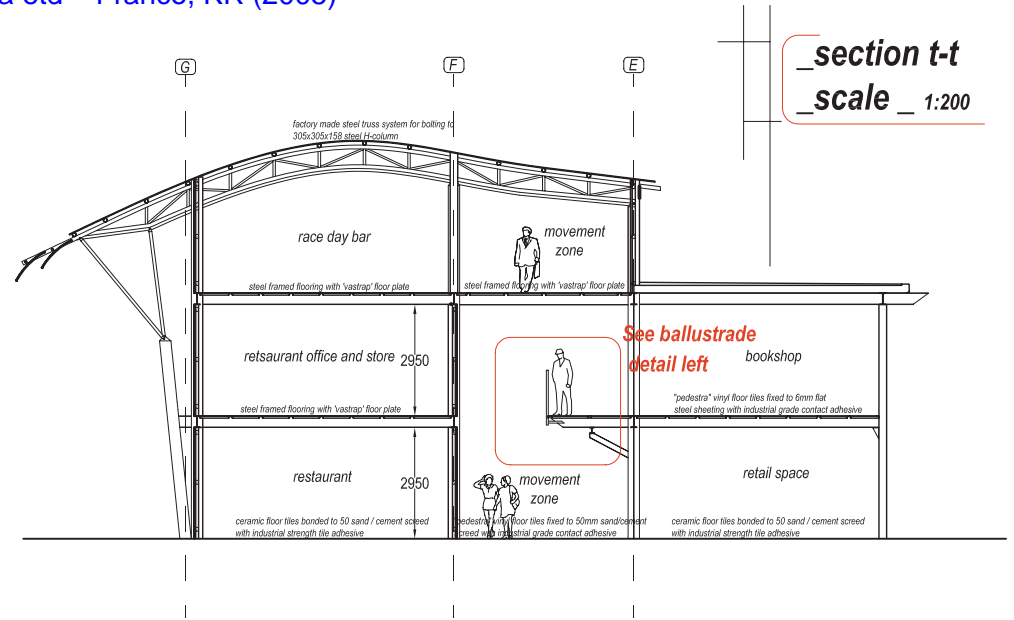
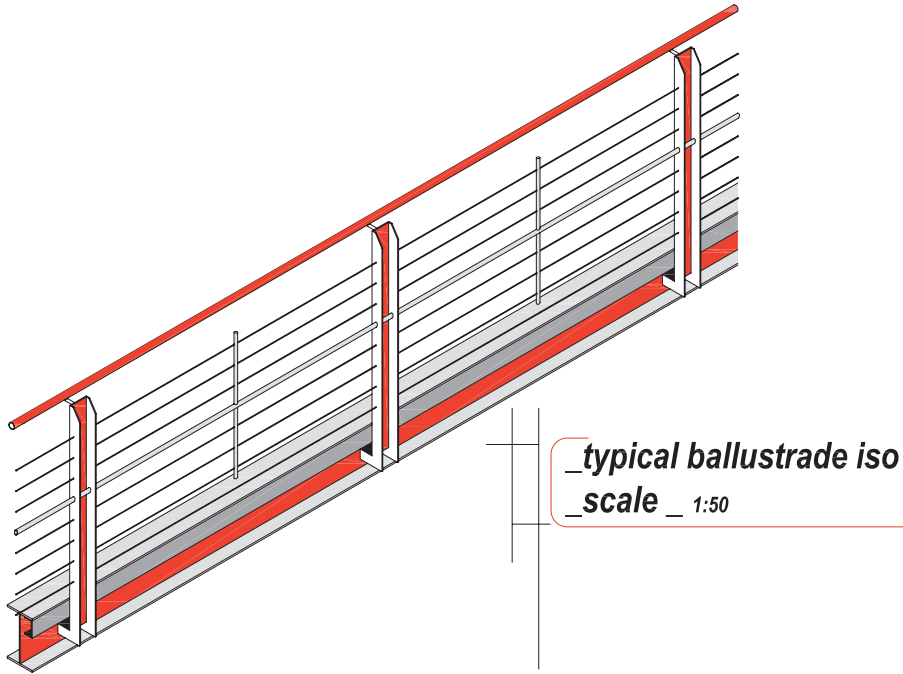
_scale _ 1:10

_typical stair iso

_scale _ 1:50

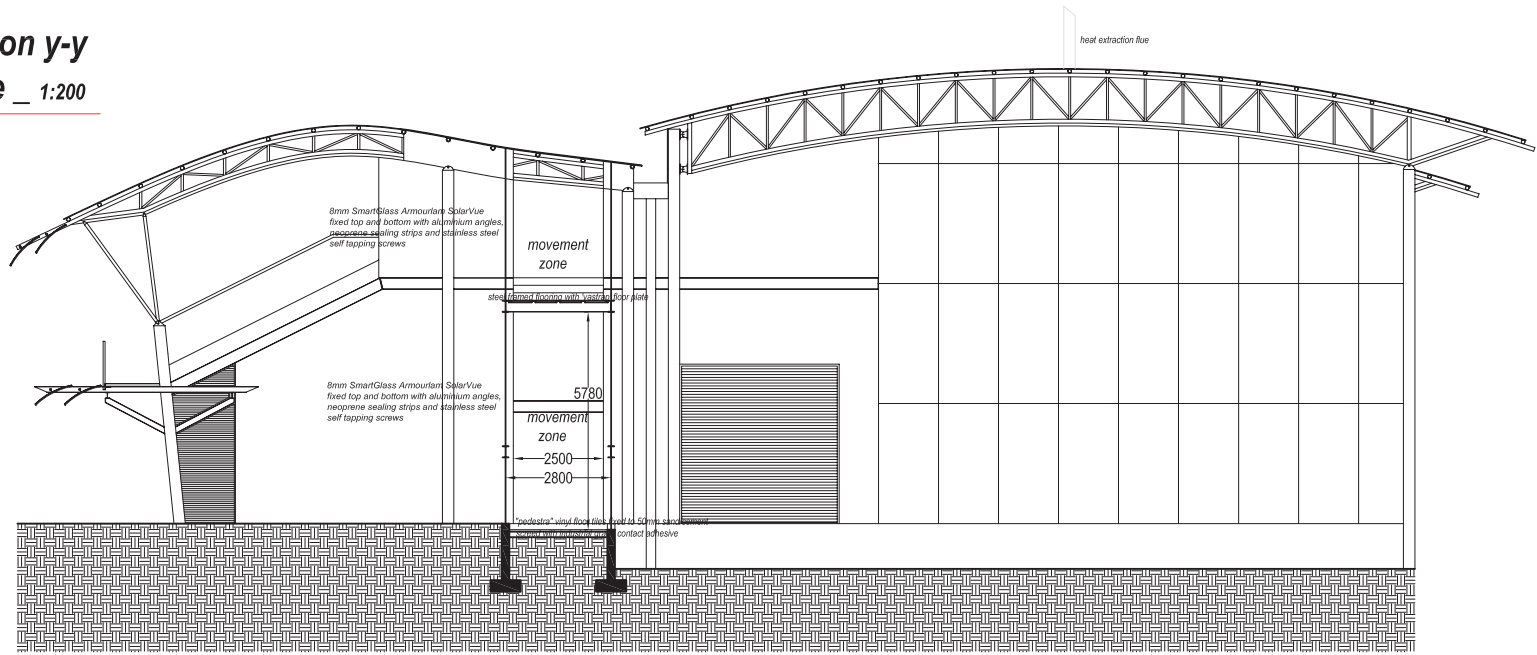




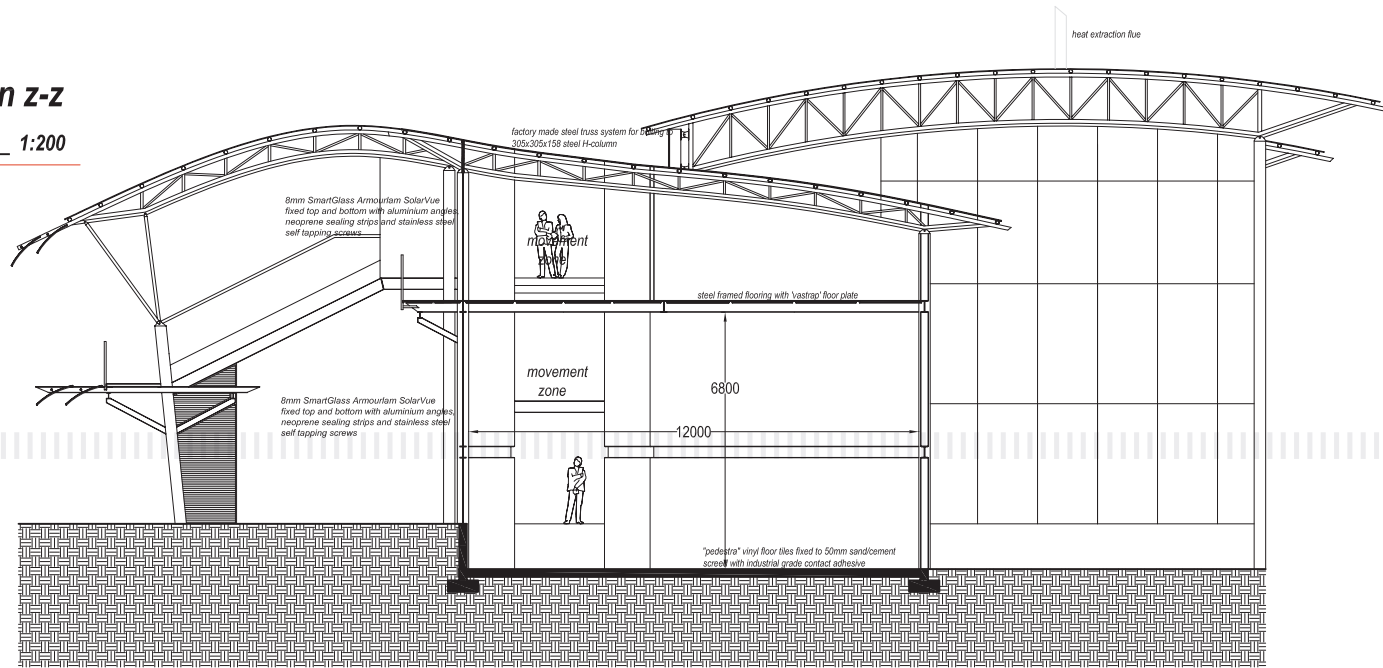




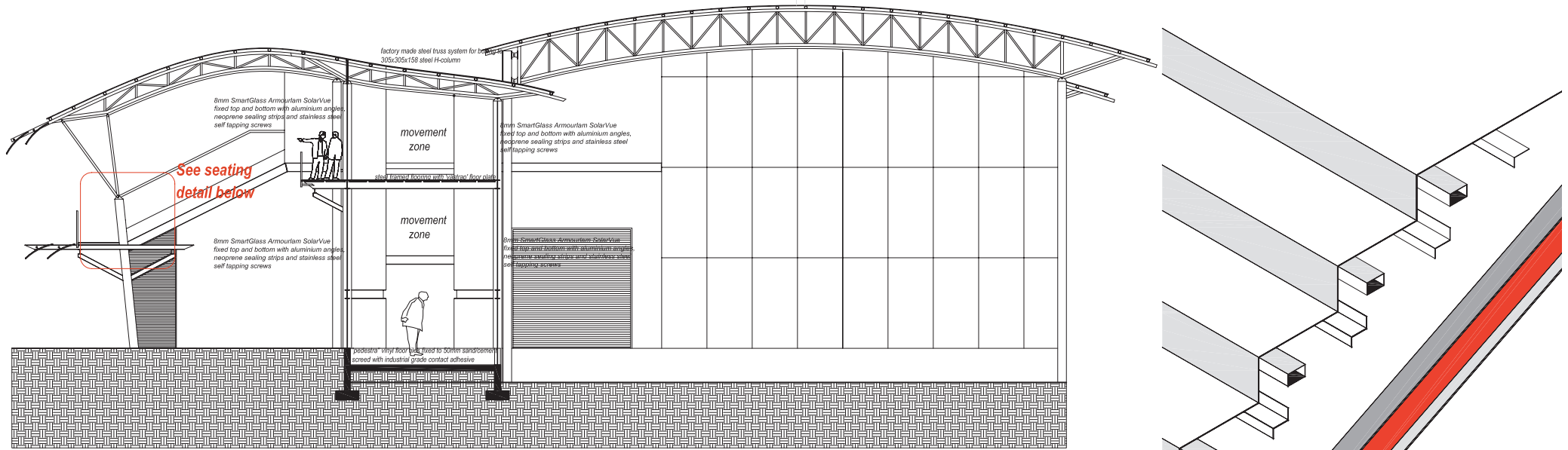
_section y-y
_scale _ 1:200



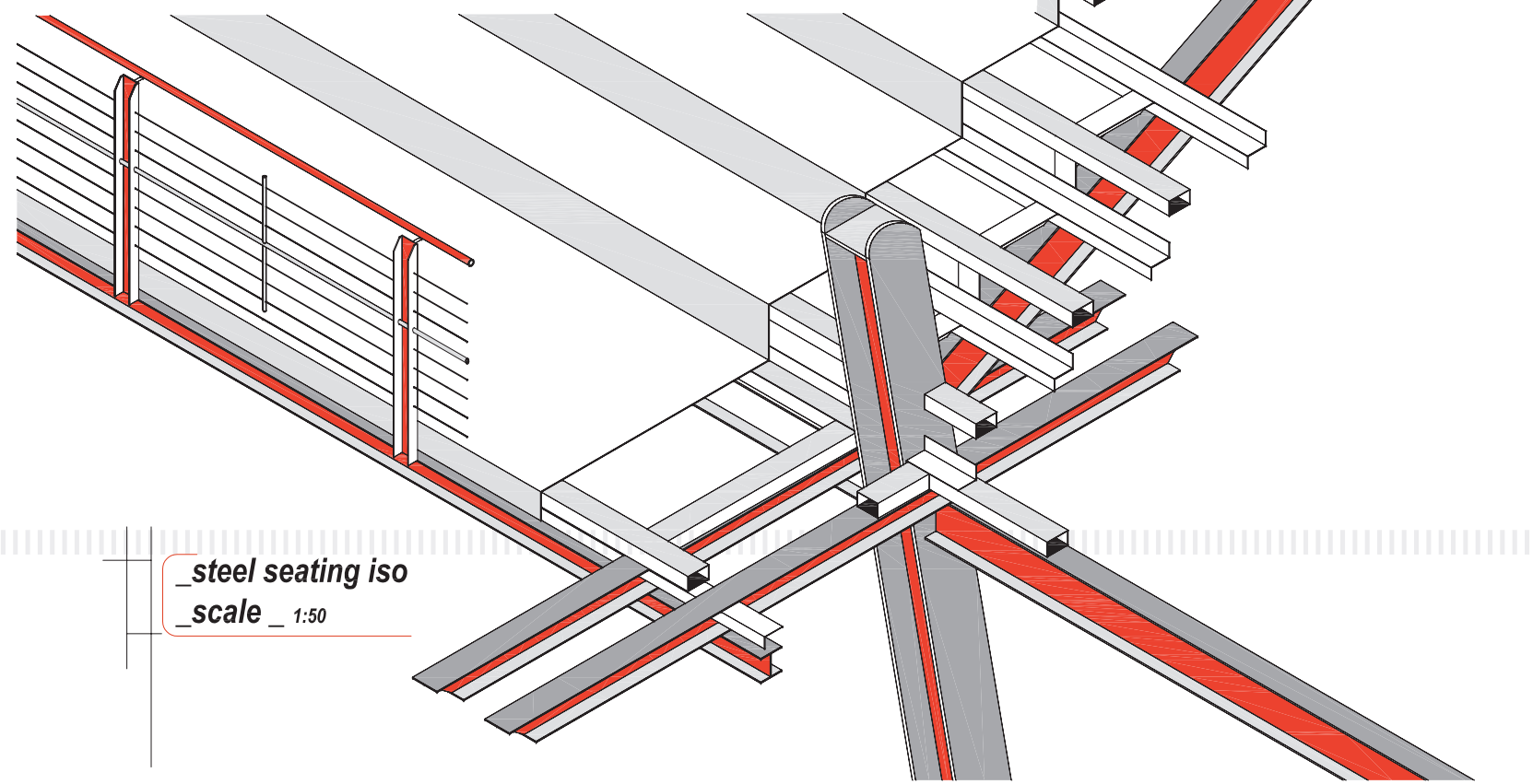
_section z-z
_scale _ 1:200







_section x-x
_scale _ 1:200



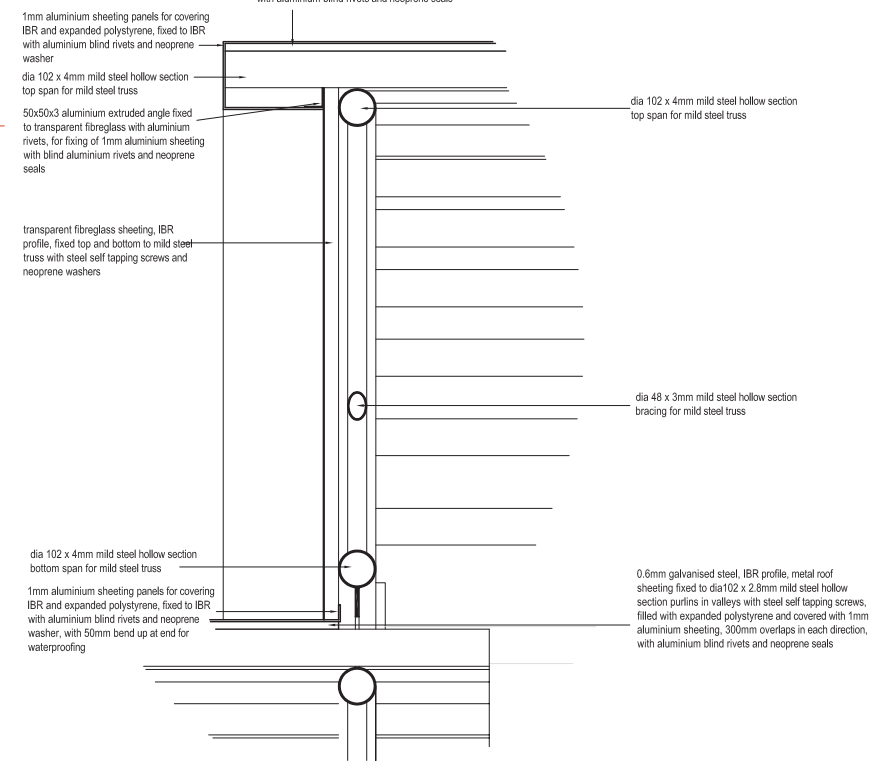
_steel seating iso
_scale _ 1:50



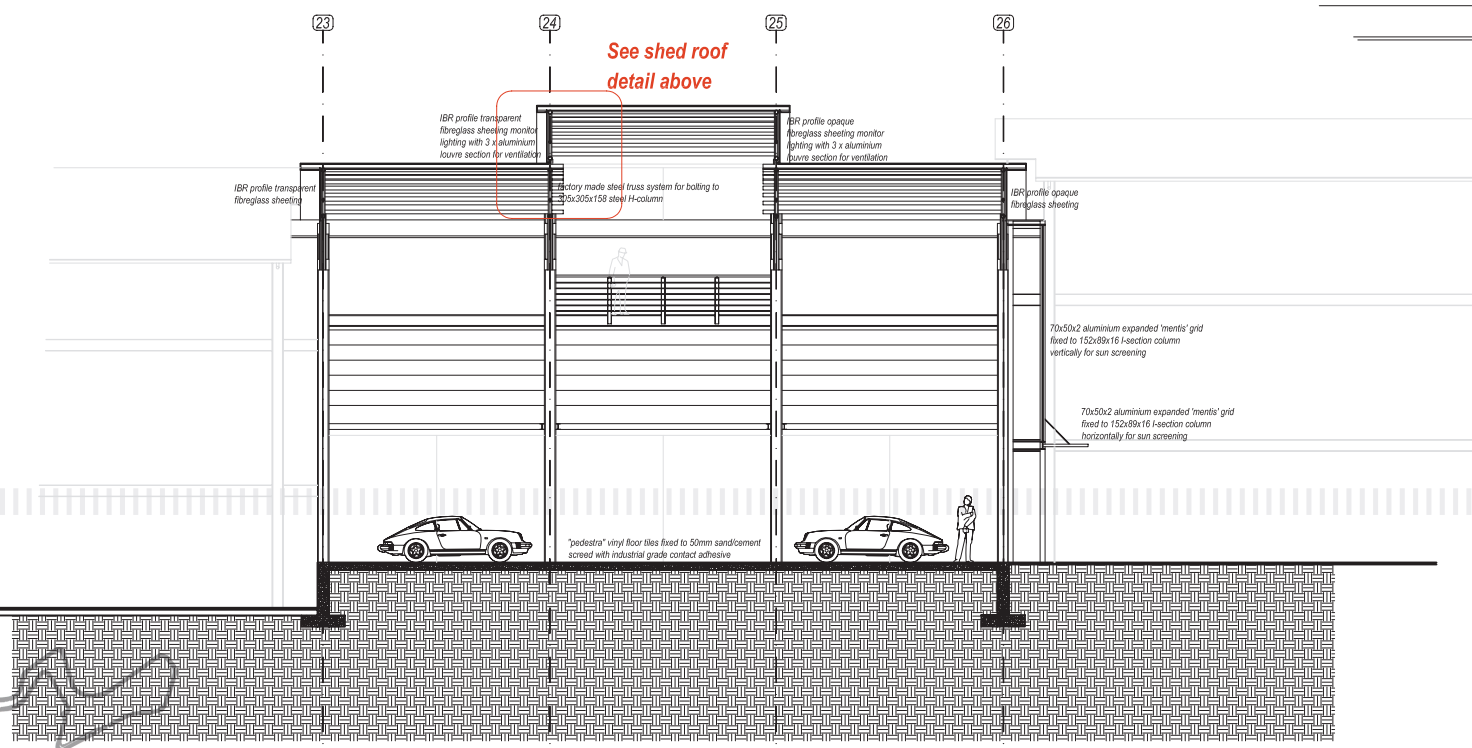


0.6mm galvanised steel, IBR profile, metal roof sheeting fixed to dia102 x 2.8mm mild steel hollow section purlins in valleys with steel self tapping screws, filled with expanded polystyrene and covered with 1mm aluminium sheeting, 300mm overlaps in each direction, with aluminium blind rivets and neoprene seals

_museum shed roof detail
_scale _ 1:20



See shed roof detail above



_section u-u
_scale _ 1:200