

O'SULLIVAN ARCHITECTURE 

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RIAI Registered Architect 2024



 **Comhairle Contae Chiarraí**
Kerry County Council

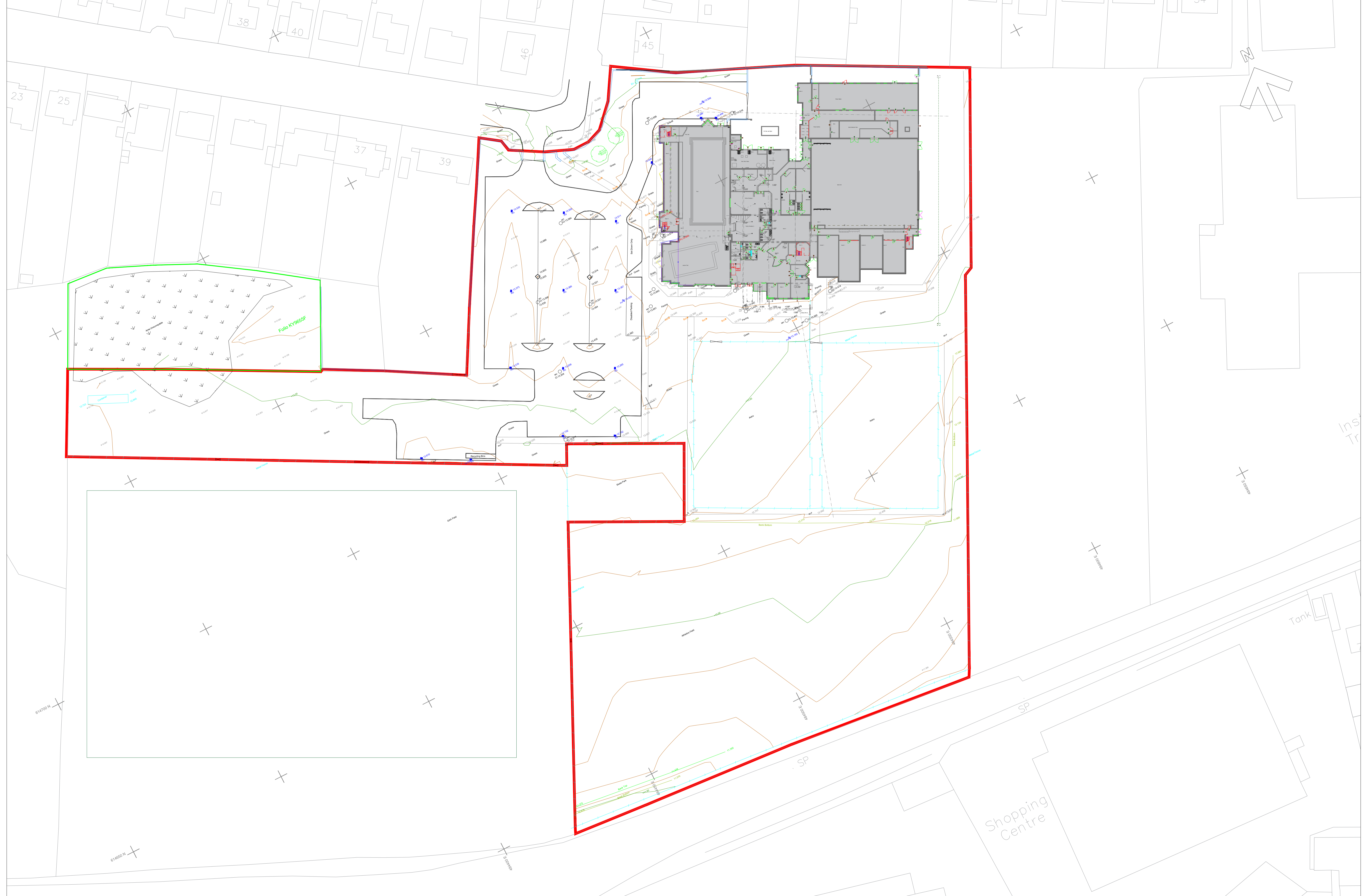
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Status:
PLANNING / PART VIII

PROPOSED FUTURE DEVELOPMENTS

Tralee Regional Sports & Leisure Centre

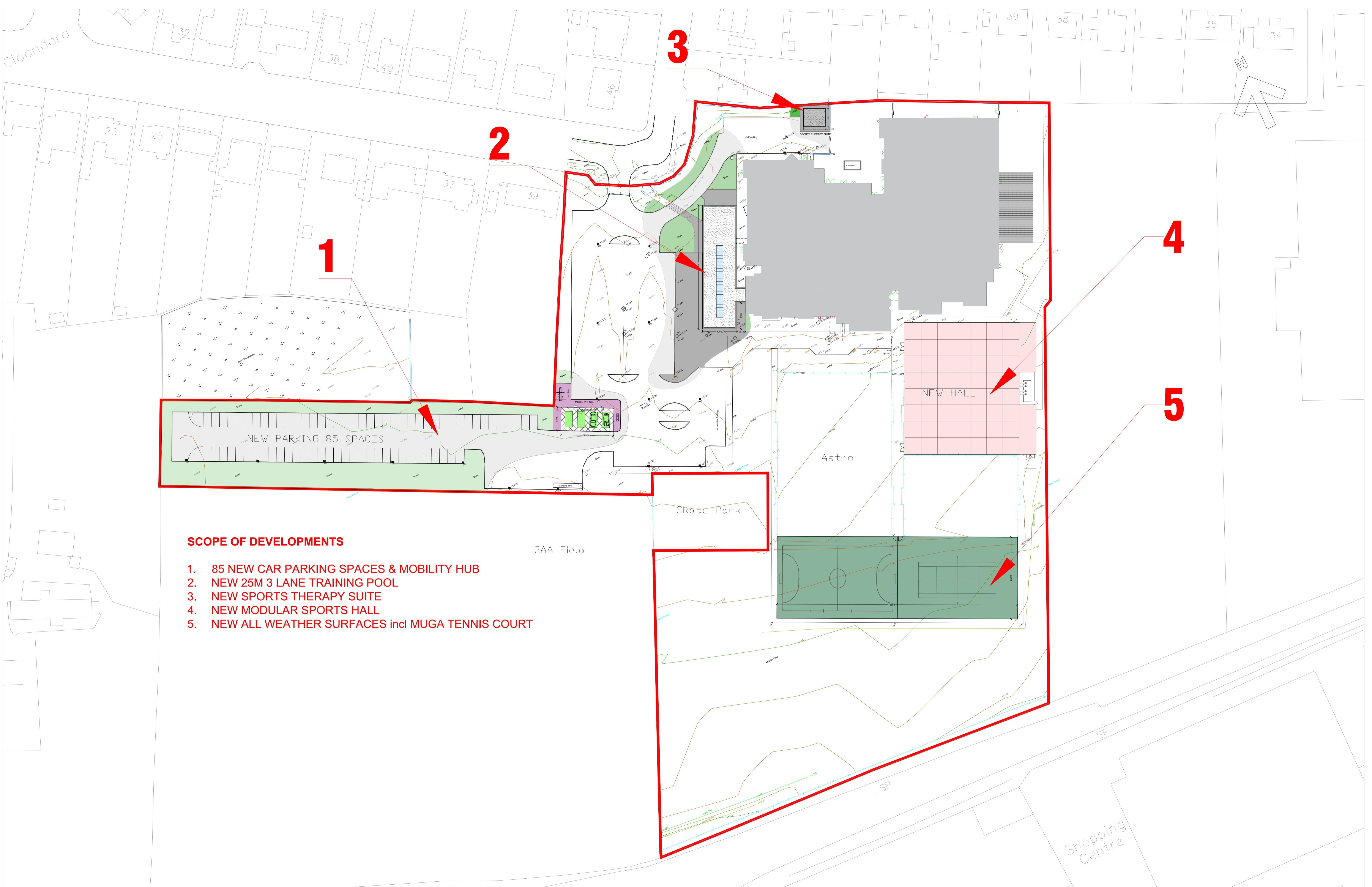
site location map		07
Project number	2403	
Date	MAR 2024	
Drawn by	pc	
Checked by	sos	Scale 1:2500 @ A4



Status:	No.	Description	Date
PLANNING / PART VIII			

PROPOSED FUTURE DEVELOPMENTS
 Tralee Regional Sports & Leisure Centre

existing site layout plan	
Project number	2403
Date	MAR 2024
Drawn by	PC
Checked by	scs
Scale	1:500



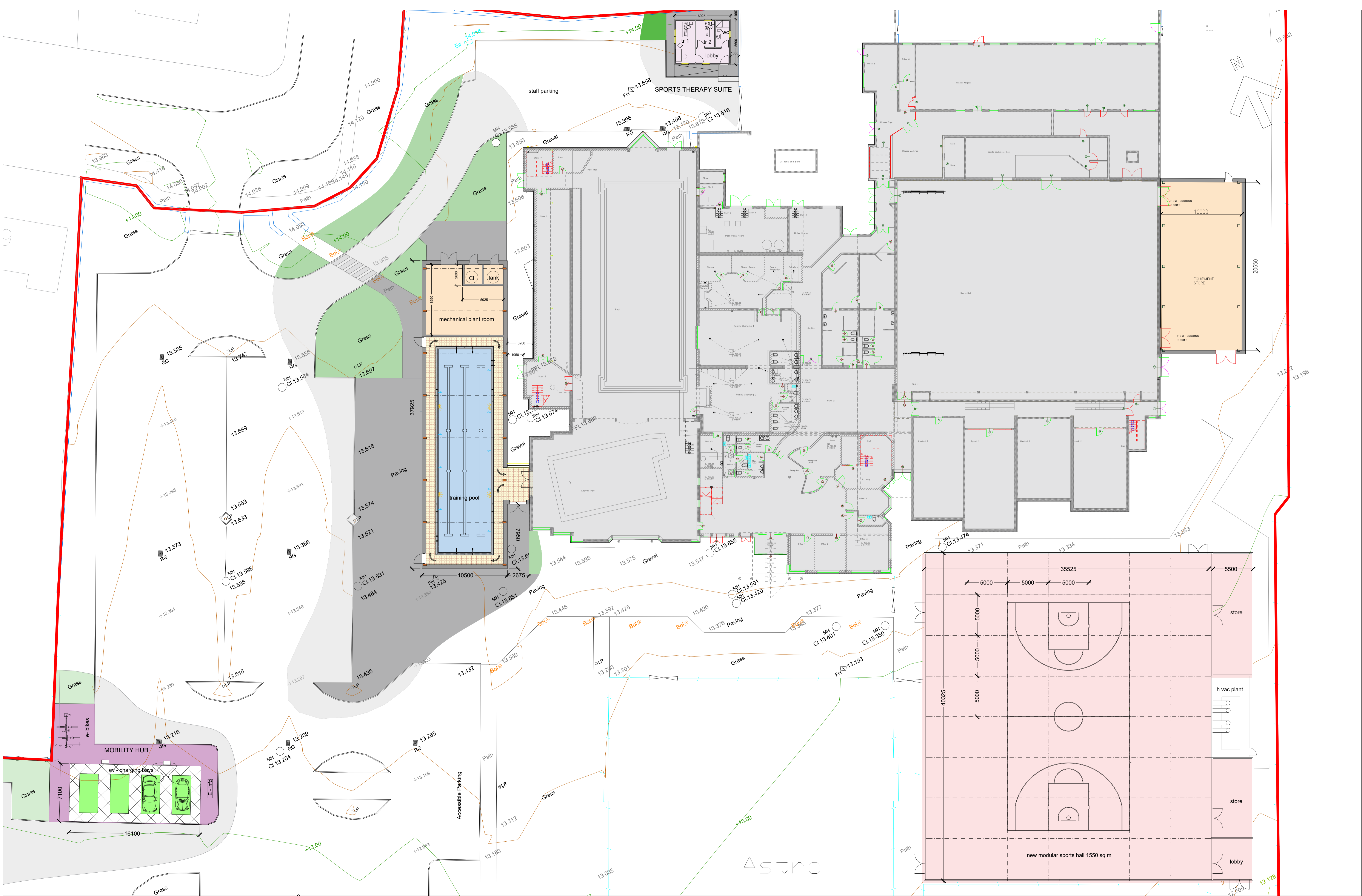
SCOPE OF DEVELOPMENTS

- 1. 85 NEW CAR PARKING SPACES & MOBILITY HUB
- 2. NEW 25M 3 LANE TRAINING POOL
- 3. NEW SPORTS THERAPY SUITE
- 4. NEW MODULAR SPORTS HALL
- 5. NEW ALL WEATHER SURFACES incl MUGA TENNIS COURT

Status:	No.	Description	Date
PLANNING / PART VIII			

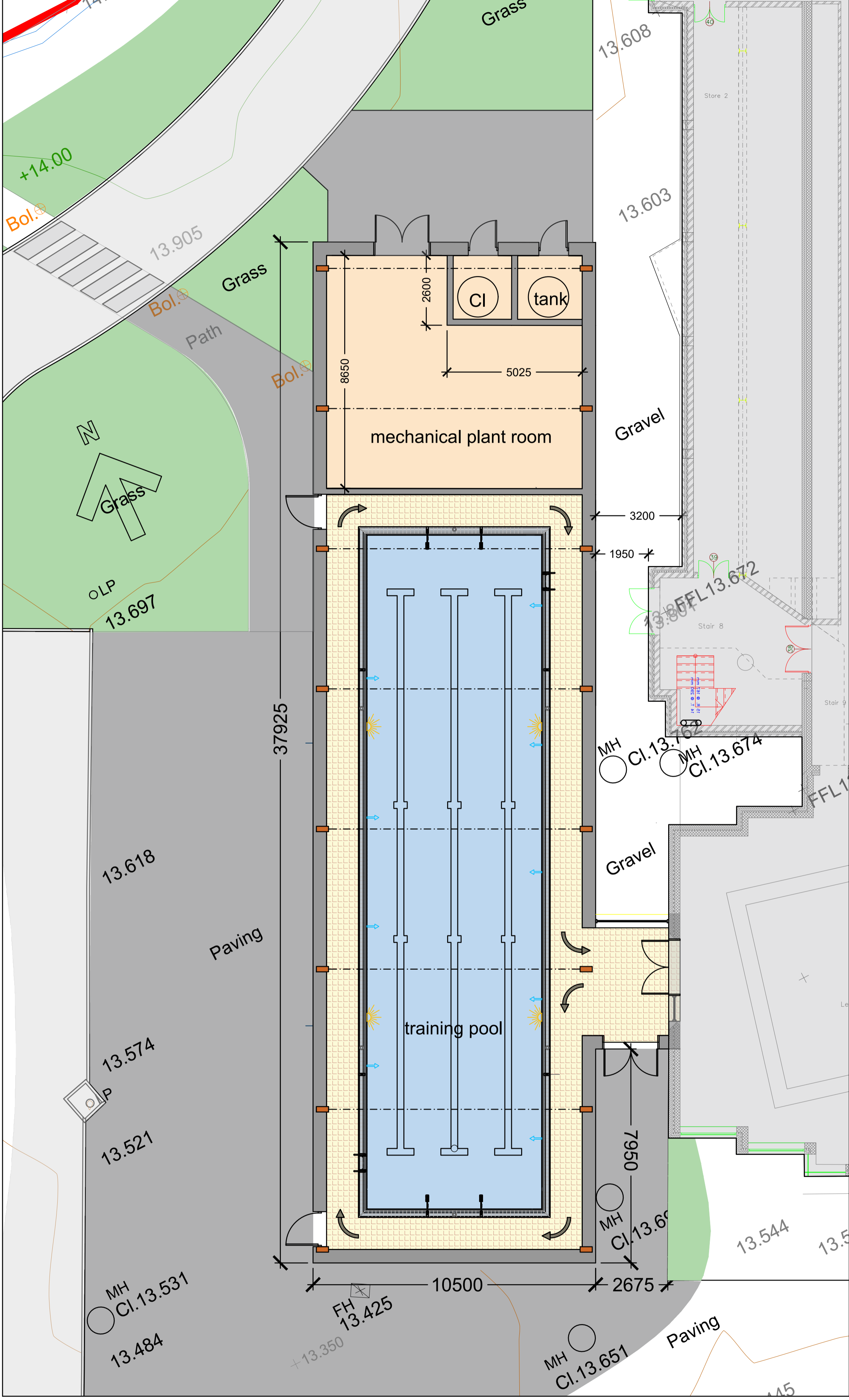
PROPOSED FUTURE DEVELOPMENTS
 Tralee Regional Sports & Leisure Centre

proposed site layout plan	
Project number	2403
Date	MAR 2024
Drawn by	PC
Checked by	oss
Scale	1:500

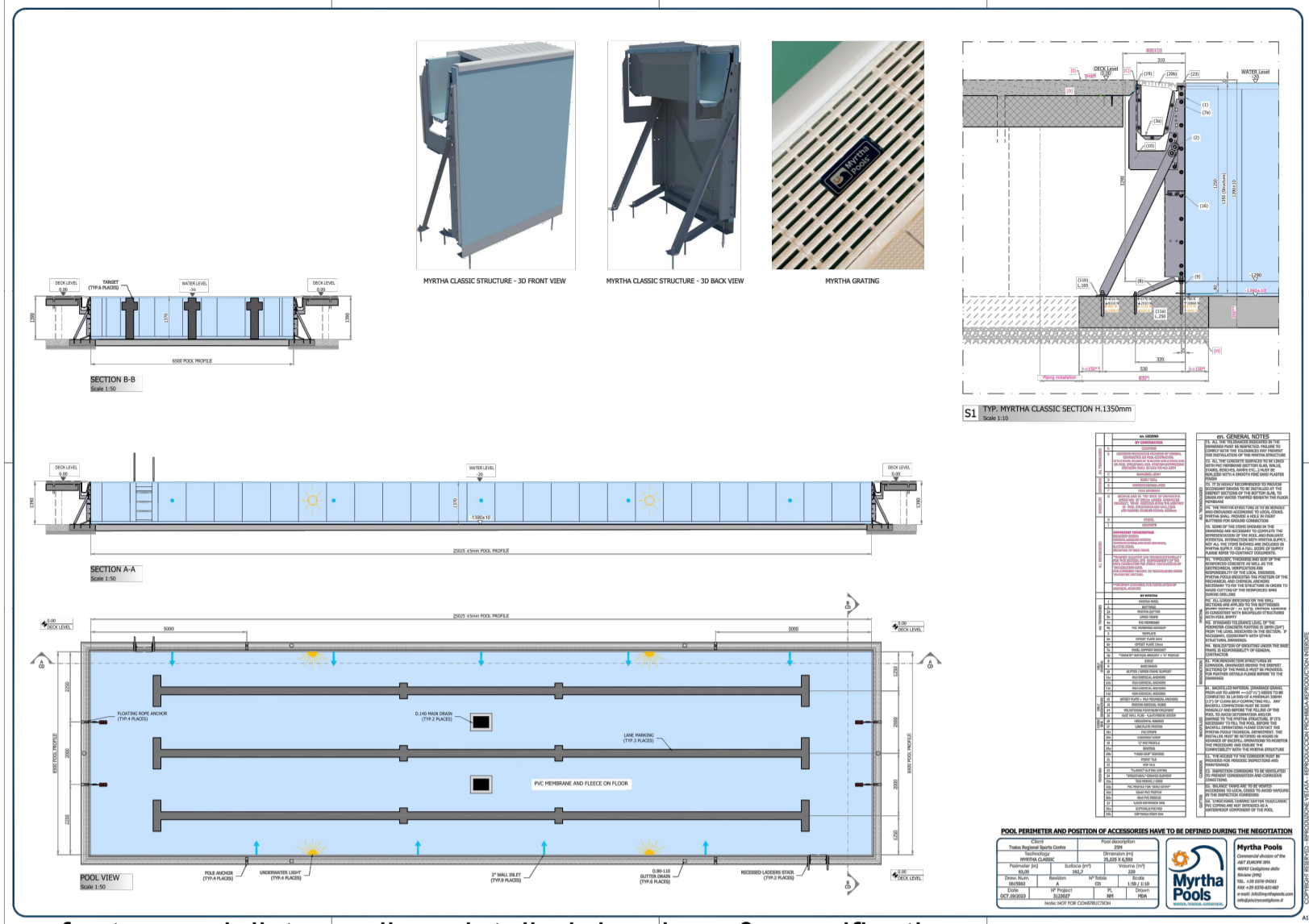


Status:	No.	Description	Date
PLANNING / PART VIII			

PROPOSED FUTURE DEVELOPMENTS		proposed site layout plan
Tralee Regional Sports & Leisure Centre		Project number 2403 Date MAR 2024 Drawn by PC Checked by sos Scale 1:200



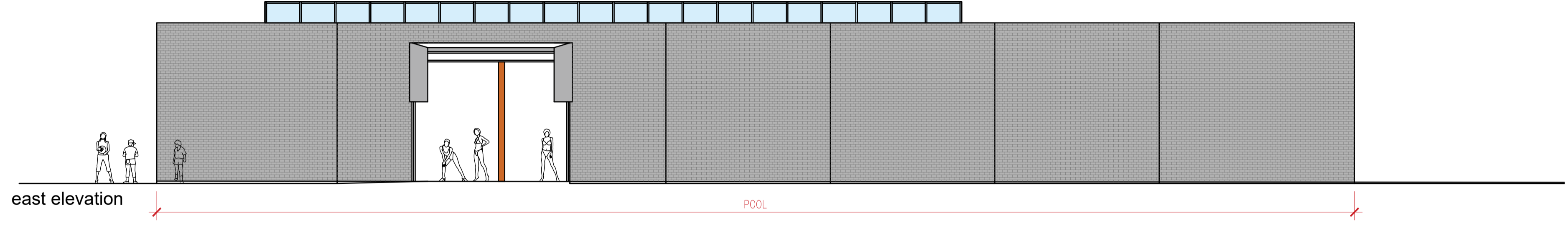
ground floor plan



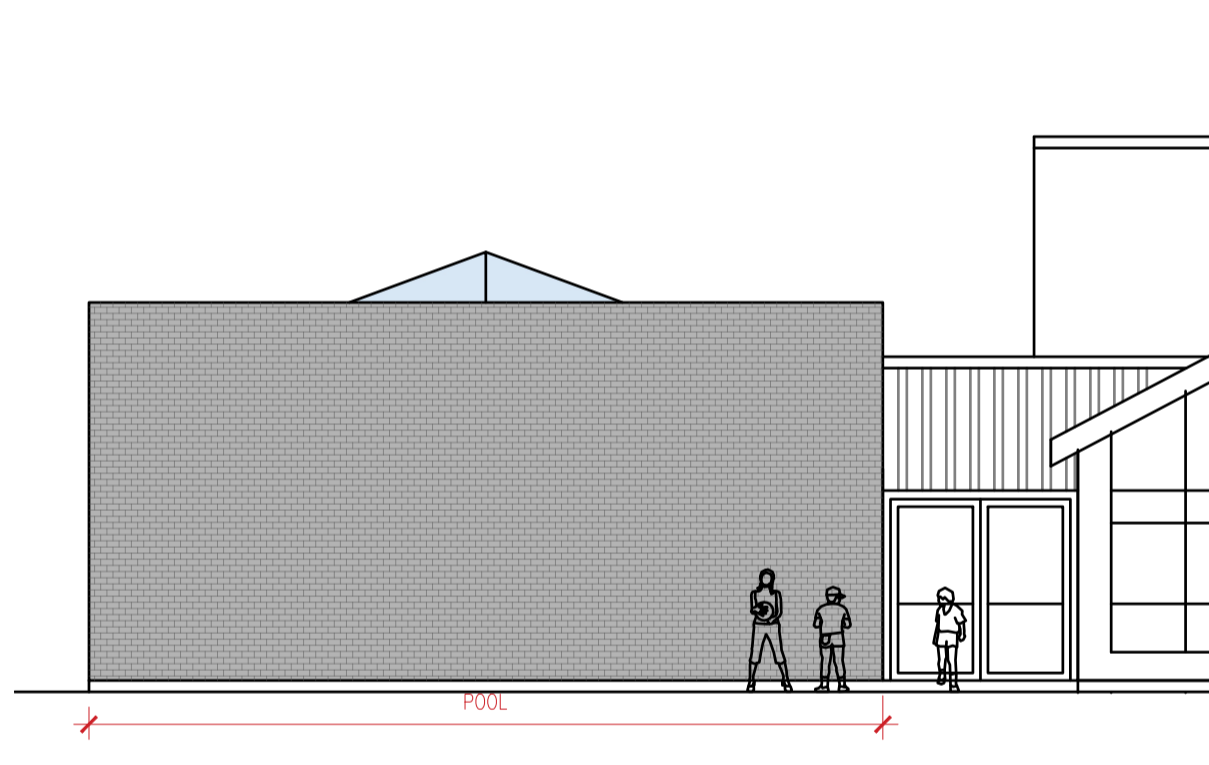
refer to specialist suppliers detailed drawings & specification



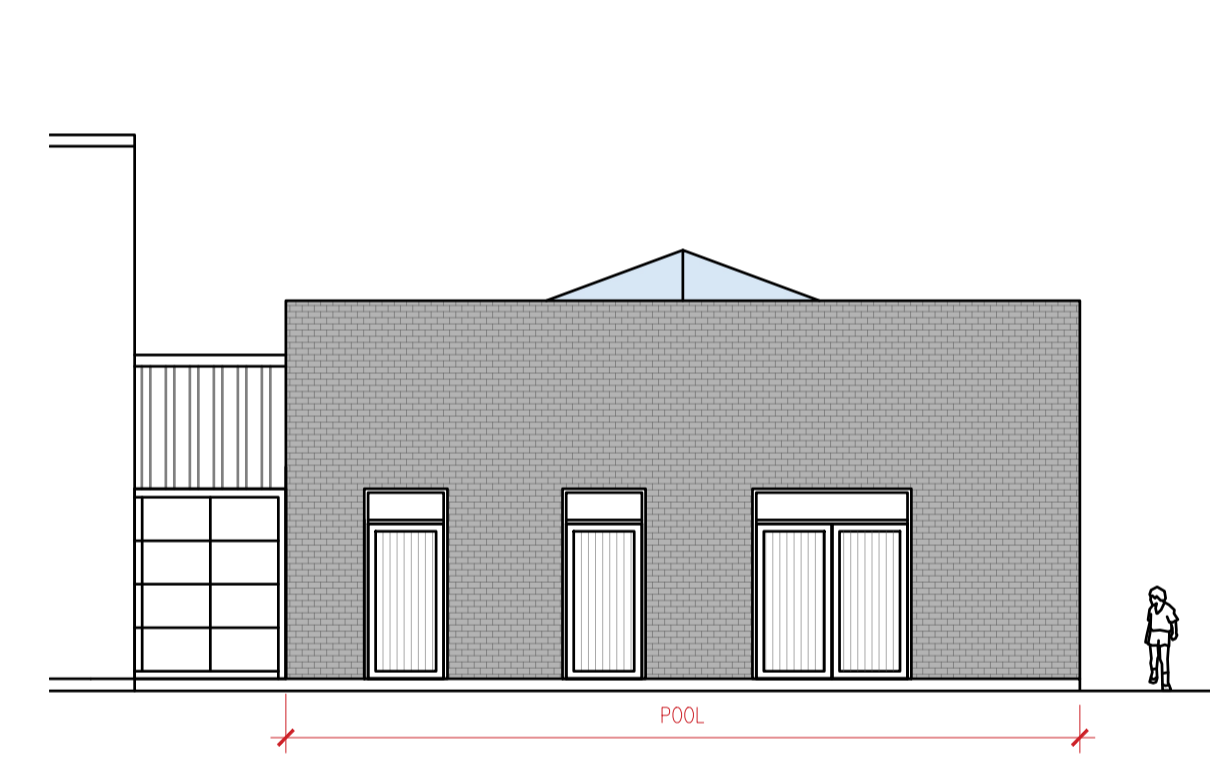
materials palette



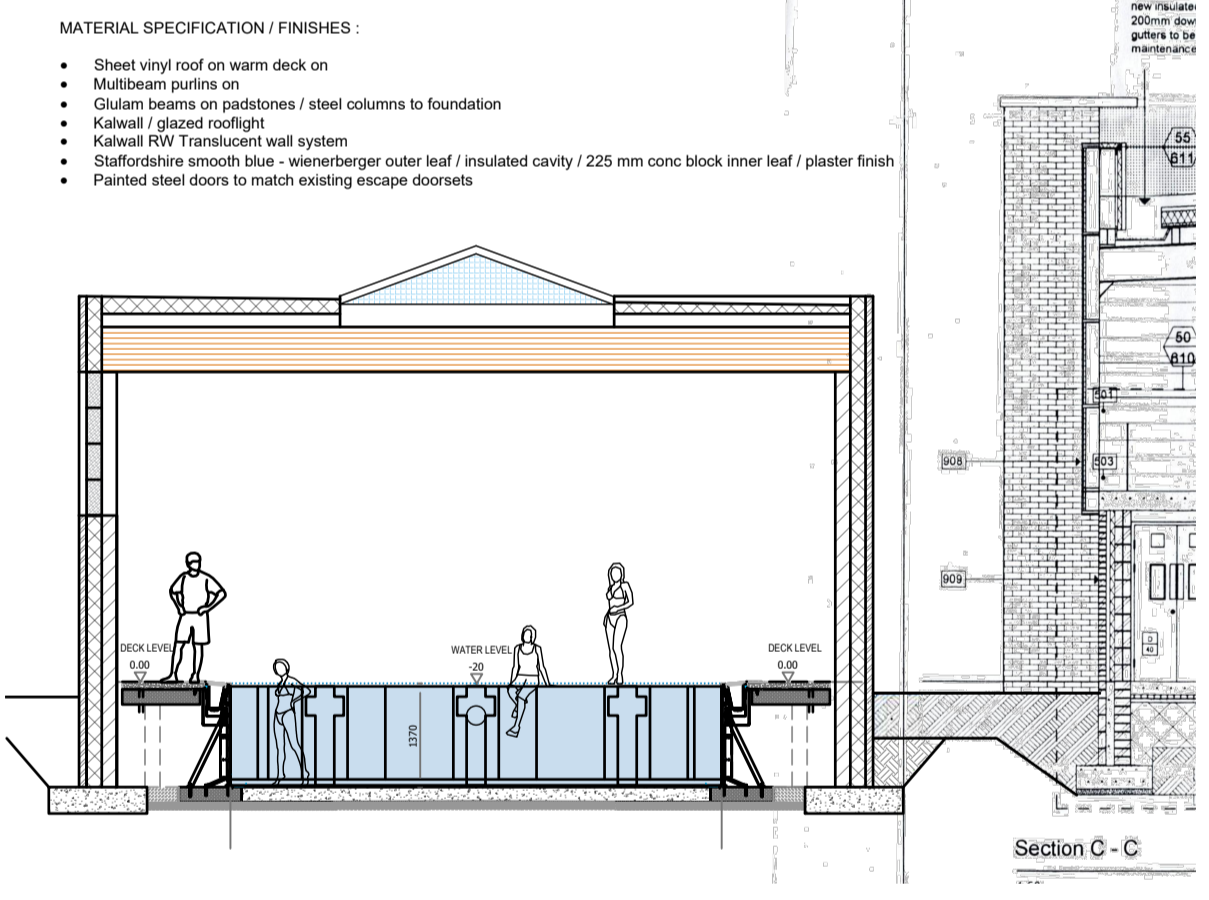
east elevation



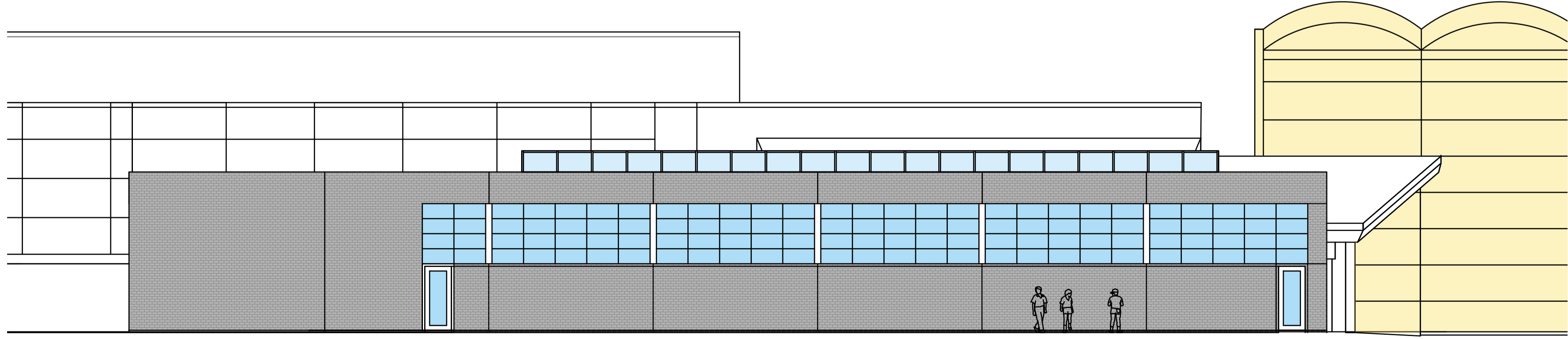
south elevation



north elevation



proposed training pool



west elevation

TITAN SERIES TECHNICAL INFORMATION

WALLS

EXTERNAL WALLS ARE OF A DURABLE ONE-PIECE CONSTRUCTION WITH HIGH-PERFORMANCE, LOW-MAINTENANCE PLASTISOL-COATED GALVANISED STEEL CLADDING TO OFFER PROTECTION AGAINST FIRE, EXTREME WEATHER AND ACCIDENTAL DAMAGE. INTERNALLY, THE WALLS ARE OF VINYL-FACED PLASTERBOARD, PROVIDING A WIPE-CLEAN FINISH.

FLOOR

THE FLOOR HAS A RIGID GALVANISED STEEL FRAME AND UNDERFLOOR THERMAL INSULATION OF FOIL-FACED RIGID POLYMER SLABS, WHICH OFFERS A STURDY AND ROBUST FEEL AND ALSO PREVENTS INFESTATION. THE SUSPENDED FLOOR IS COMPLETELY INTEGRATED INTO THE STRUCTURE OF THE BUILDING. A VARIETY OF FLOOR COVERINGS ARE AVAILABLE, DEPENDING ON THE PURPOSE OF THE BUILDING, INCLUDING HARD-WEARING VINYL, CARPETING OR CHEQUERPLATE*.

ROOF

OUTSTANDING INSULATION IS PROVIDED BY THE CONSTRUCTION OF THE ROOF. THE ROOF DECK IS OF ONE-PIECE CONSTRUCTION AND IS IMPACT RESISTANT. IT IS COVERED WITH SOLAR-REFLECTIVE, PROFILED PLASTISOL-COATED GALVANISED STEEL TO REDUCE HEAT GAIN. INTERNALLY, THE POLYESTER-COATED GALVANISED STEEL CEILING IS DESIGNED TO PREVENT CONDENSATION PROBLEMS AND HAS A LOW-MAINTENANCE FINISH.

DOORS AND WINDOWS

STEEL-FACED DOORS HAVE AN INSULATING CORE THAT MINIMISES HEAT LOSS. THE ANODISED ALUMINIUM FRAME ALSO INCORPORATES DRAUGHTPROOF WEATHER SEALS. THE WINDOWS HAVE PVC-U FRAMES AND ARE DOUBLE GLAZED WITH LOW ENERGY GLASS FOR OPTIMUM THERMAL PERFORMANCE. DRAUGHT AND CONDENSATION PROBLEMS ARE MINIMISED BY EFFECTIVE WEATHER SEALS AND THE LOW THERMAL CONDUCTIVITY OF THE WINDOW FRAME AND GLAZING MATERIALS. WINDOWS IN CRITICAL LOCATIONS ARE GLAZED WITH TOUGHENED SAFETY GLASS AS STANDARD WITH A VARIETY OF OTHER GLAZING AVAILABLE AS AN OPTION.* TITAN BUILDINGS OFFER PROTECTION AGAINST THEFT AND VANDALISM, WITH A WIDE RANGE OF SECURITY OPTIONS.

BUILDING LAYOUT

TITAN BUILDINGS CAN BE LINKED TO FORM LARGER COMPLEXES OR STACKED TO FORM TWO-STORY BUILDINGS. THIS FLEXIBILITY CAN PRODUCE AN OPEN PLAN SPACE OR INDIVIDUAL OFFICES THROUGH THE USE OF PARTITION WALLS, VISION PANELS AND DOORS.

FOUNDATIONS

TITAN BUILDINGS CAN BE SITED ON SIMPLE PAD FOUNDATIONS OR LEVEL HARD-STANDING CAPABLE OF TAKING THE TOTAL WEIGHT OF THE STRUCTURE AND THE IMPOSED LOADS. PORTAKABIN STAFF WILL PROVIDE ADVICE ON THE FOUNDATION LOADS AND POSITIONS FOR SINGLE AND TWO-STORY BUILDINGS.

STRUCTURAL INTEGRITY

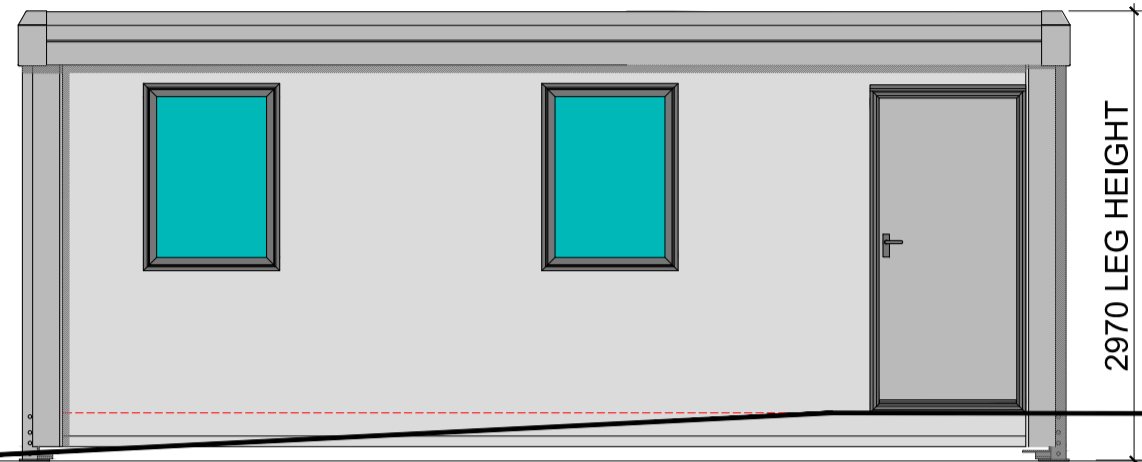
PEACE OF MIND IS GUARANTEED BY THE HIGH LEVELS OF ALL-ROUND PERFORMANCE ACHIEVED BY THE TITAN BUILDING SERIES. IT HAS BEEN INDEPENDENTLY ASSESSED BY THE BRITISH BOARD OF AGREEMENT AND AWARDED A BBA CERTIFICATE CONFIRMING THAT IT MEETS THE REQUIREMENTS OF THE BUILDING REGULATIONS (ENGLAND AND WALES), THE BUILDING STANDARDS (SCOTLAND) REGULATIONS AND OTHER PERMANENT BUILDING STANDARDS AND CODES OF PRACTICE. THE TITAN BUILDING SERIES HAS BEEN DESIGNED AND MANUFACTURED IN THE UK UNDER A QUALITY MANAGEMENT SYSTEM MEETING THE REQUIREMENTS OF ISO 9001.

DESIGN LOADS

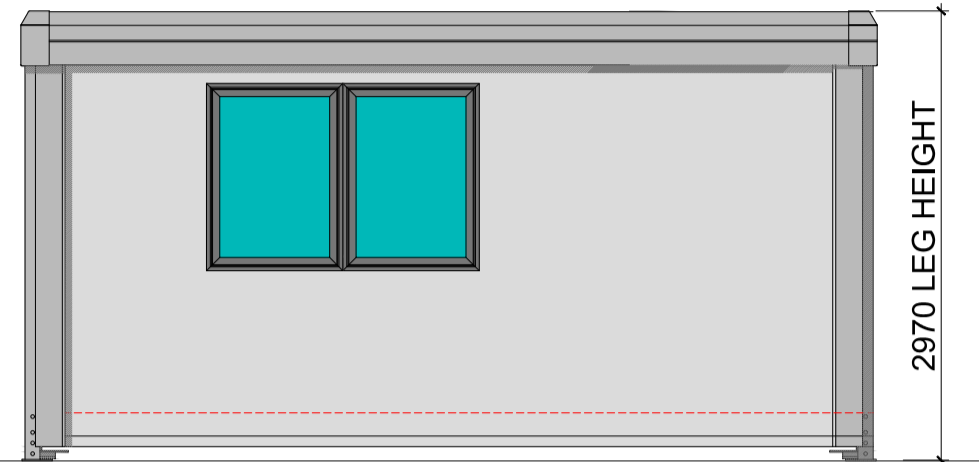
FLOOR 3.00 K/NM2 ROOF 0.75K/NM2 BASIC WIND SPEED (TO MEET REQUIREMENTS OF BS 6399: PART 2)

THERMAL INSULATION

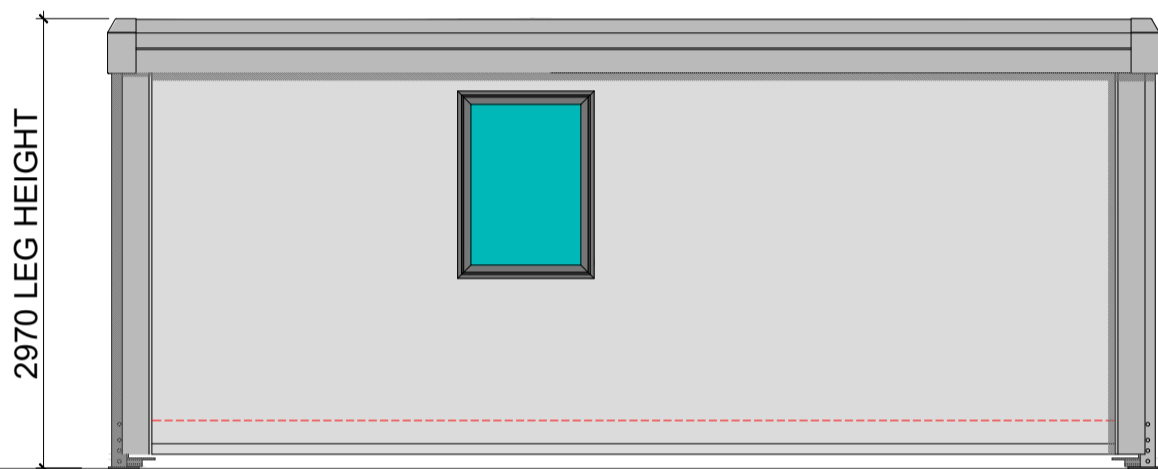
WALLS, DOORS AND ROOF ARE INSULATED WITH ENVIRONMENTALLY FRIENDLY CFC-FREE ENVIROFOAM, A RIGID POLYMER INSULATION MATERIAL THAT IS LIGHTWEIGHT AND YET ENHANCES LONG-LIFE STRUCTURAL STRENGTH AND ENSURES AN ENERGY-EFFICIENT BUILDING.



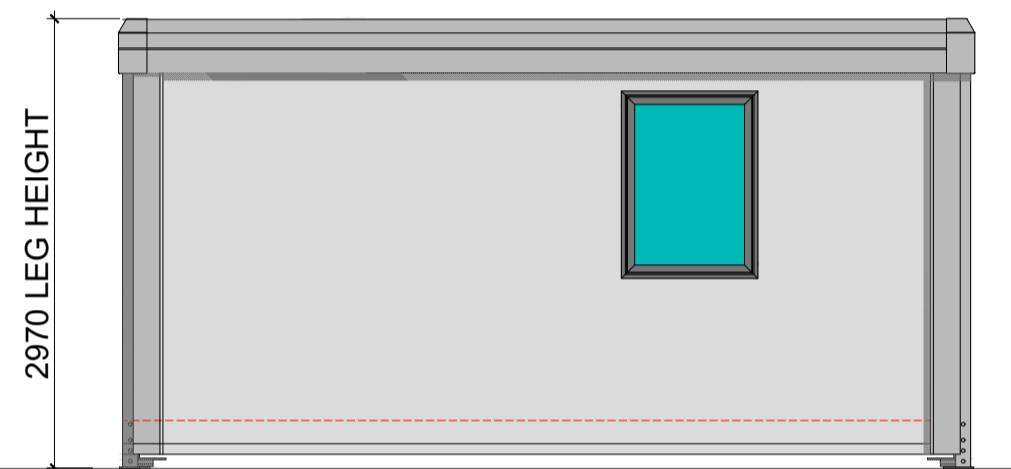
south elevation 1:50@A1



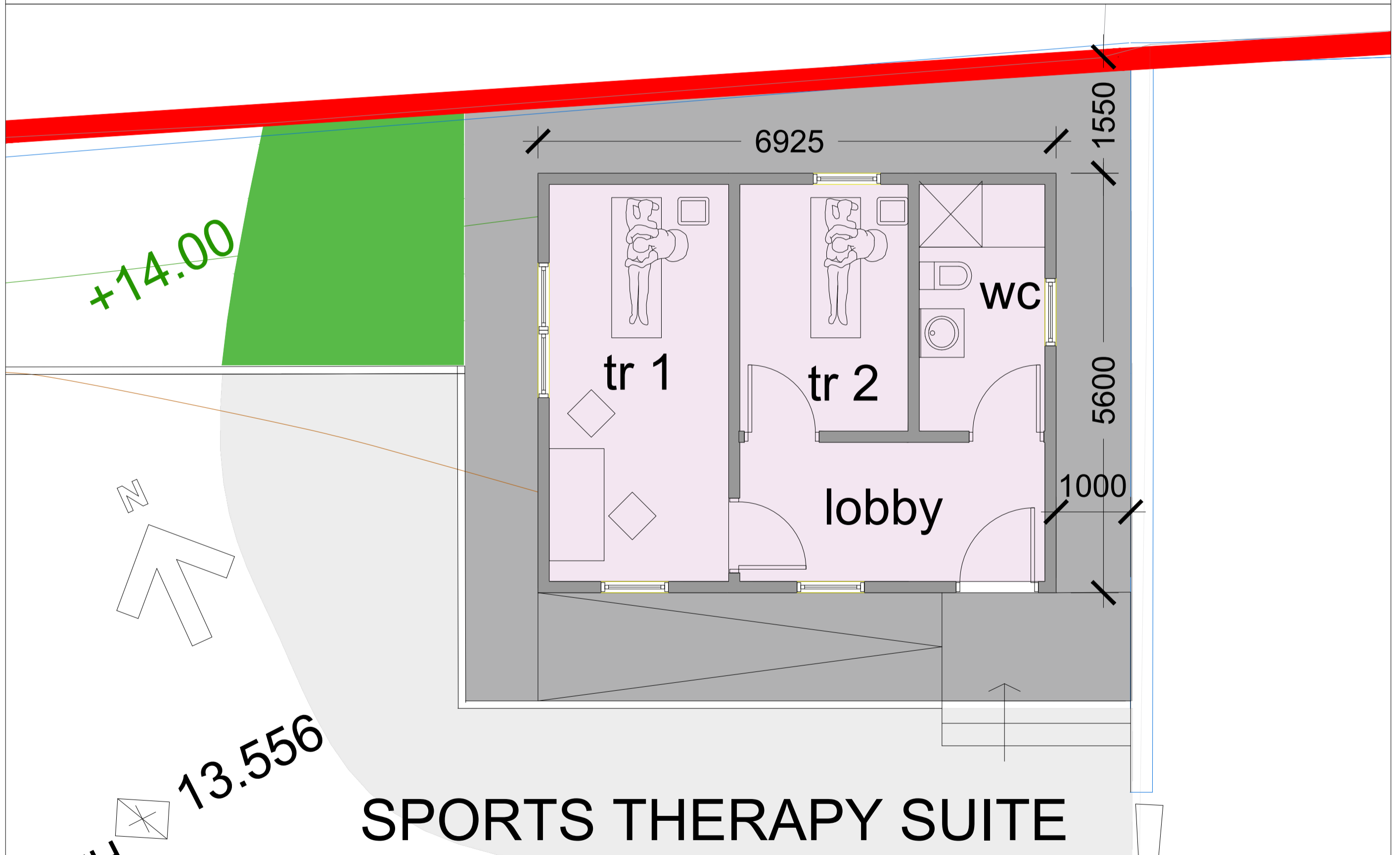
west elevation 1:50@A1



north elevation 1:50@A1



east elevation 1:50@A1



SPORTS THERAPY SUITE

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RIAI Registered Architect 2024

TRALEE REGIONAL Sports & Leisure CENTRE

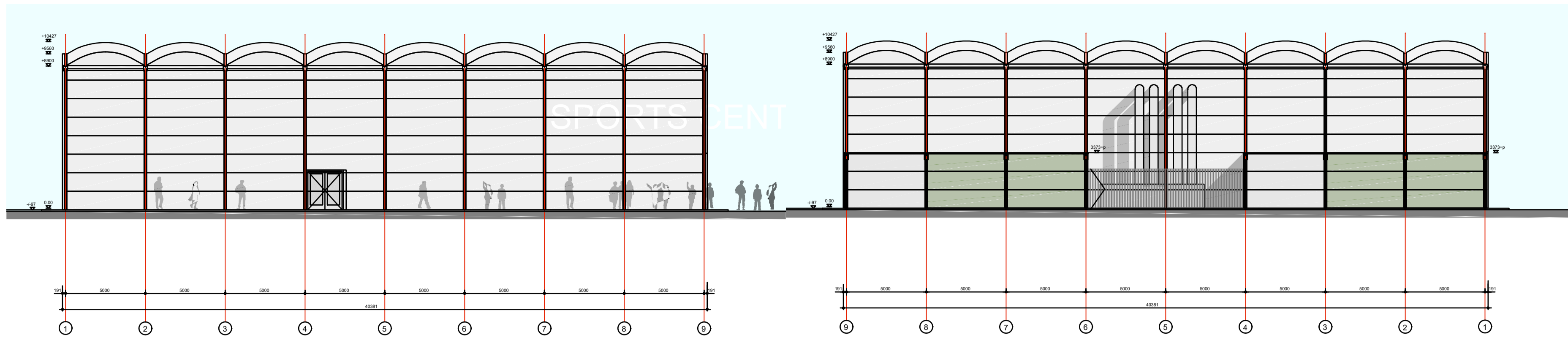
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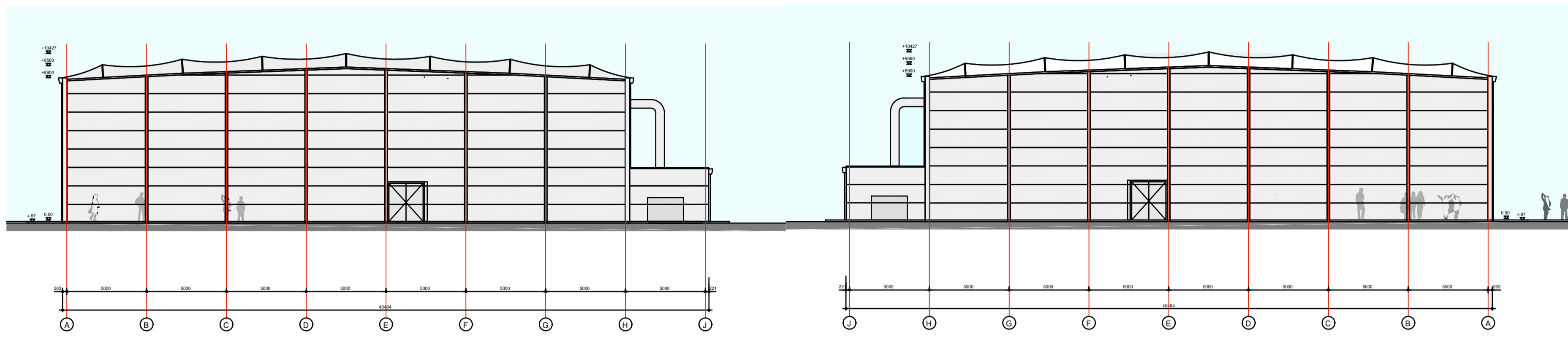
PROPOSED FUTURE DEVELOPMENTS
 Tralee Regional Sports & Leisure Centre

proposed sports therapy suite	
Project number	2403
Date	MAR 2024
Drawn by	pc
Checked by	sos
Scale	1:50



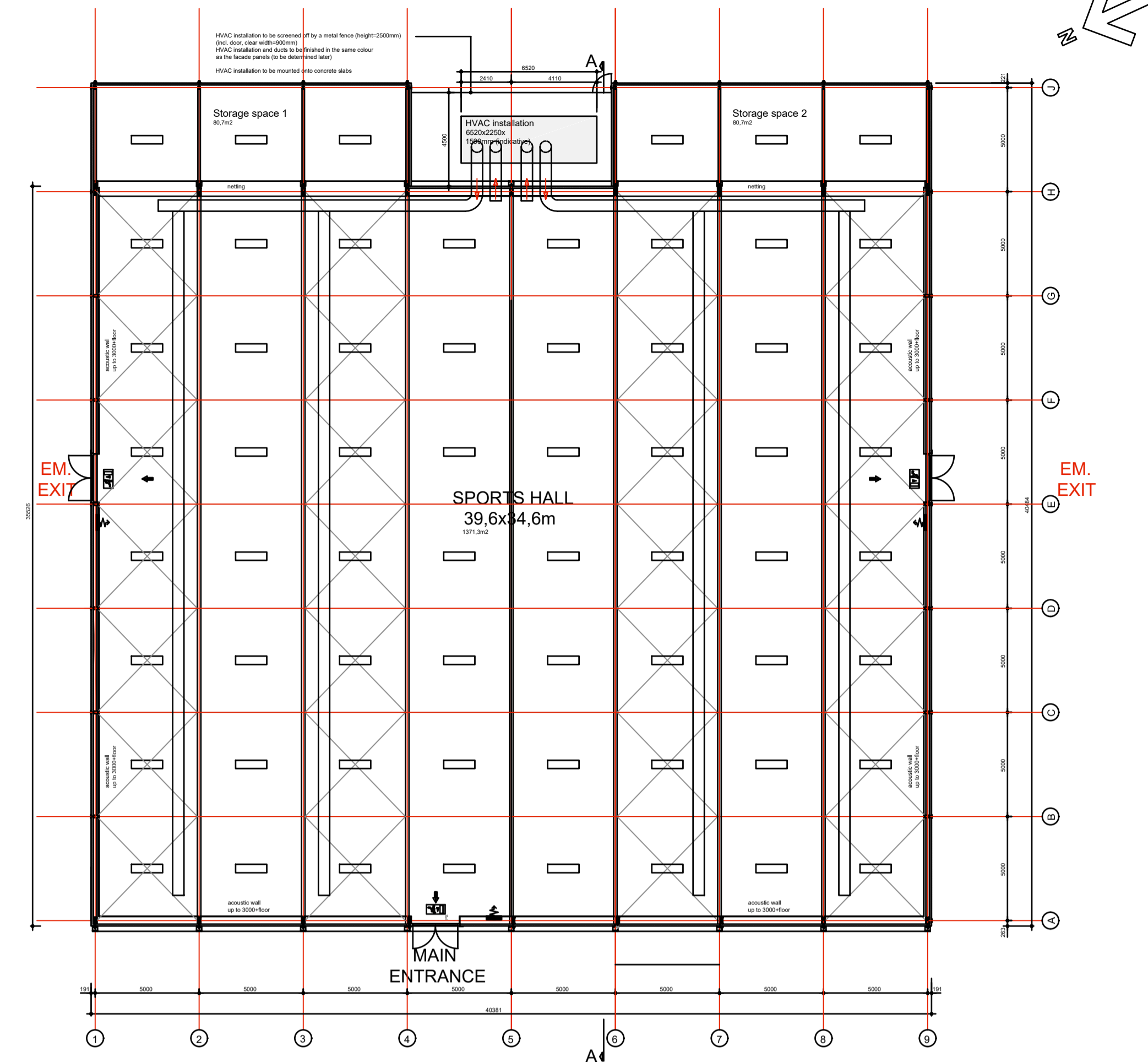
ELEVATION 1

ELEVATION 3

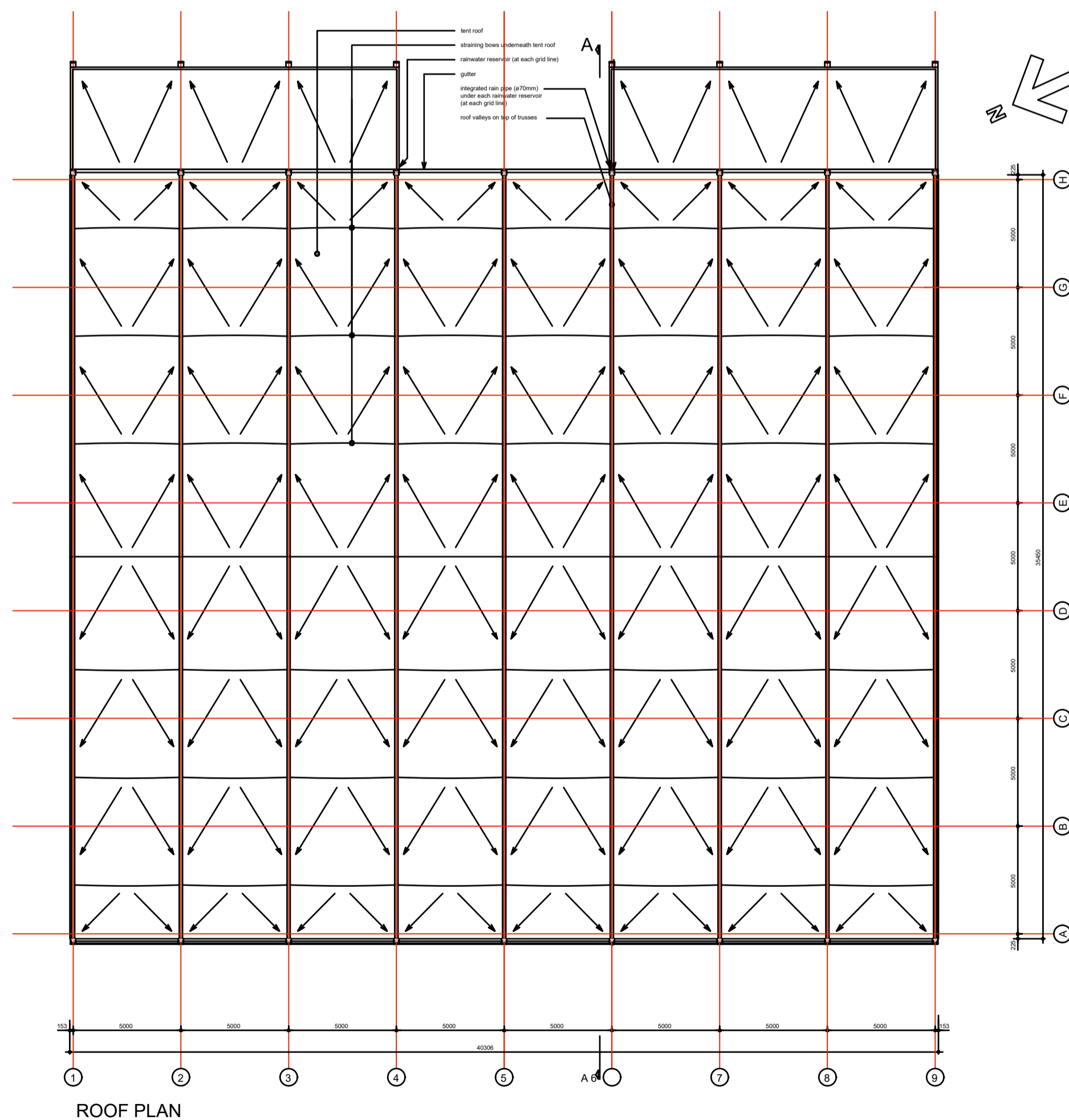


ELEVATION 2

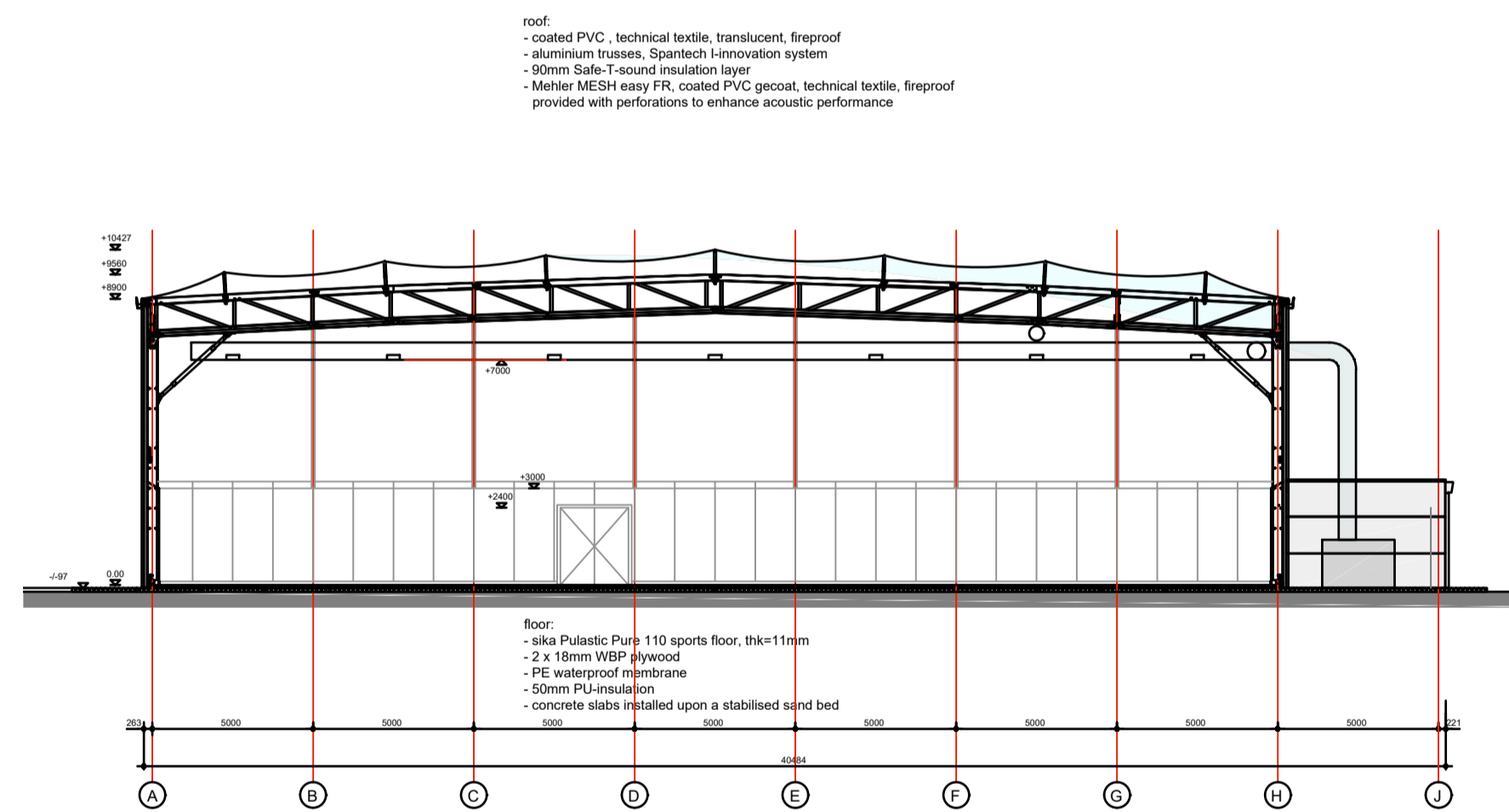
ELEVATION 4



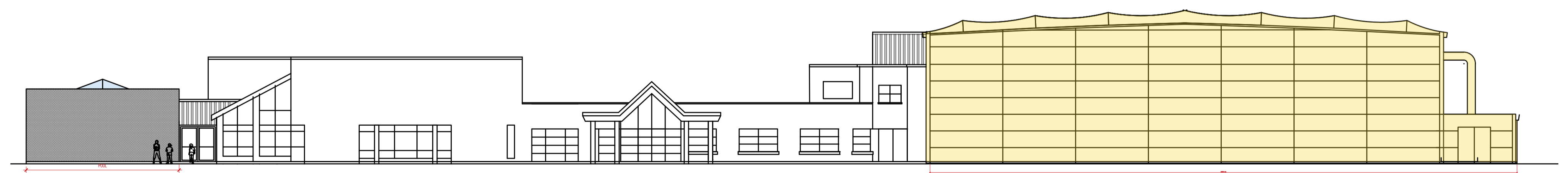
NOTE : MODULAR SPORTS HALL DRAWINGS REPRODUCED WITH THE KIND PERMISSION OF SPANTECH INTERNATIONAL , NIVELLES, BELGIUM



ROOF PLAN



CROSS SECTION AA



contiguous south elevation 1:200@A1

roof:
 - coated PVC, technical textile, translucent, fireproof
 - aluminum trusses, Spantech i-innovation system
 - 50mm Slope-T sound insulation layer
 - Meltec MESH easy FR, coated PVC geotext, technical textile, fireproof provided with perforations to enhance acoustic performance

facade:
 - sandwichpanels, 116x100mm (1160x5000mm), RAL9006, white aluminum
 - aluminum columns (box profiles)
 - acoustic wall application up to +3000
 - polyesterfelt on a lattice work filled with polyester insulation
 - doors and doorframes: white aluminum (RAL9006 or material specific)

floor:
 - sika Pulastic Plus 110 sports floor, 116x116mm
 - 2 x 18mm WBP plywood
 - PE waterproof membrane
 - 50mm PU insulation
 - concrete slabs installed upon a stabilised sand bed