

Dean Lowe: R00229832
ARCH7035_XLIST STUDIO: TECH SYNTHESIS
G.A DRAWINGS
Submission date: 09/03/2025



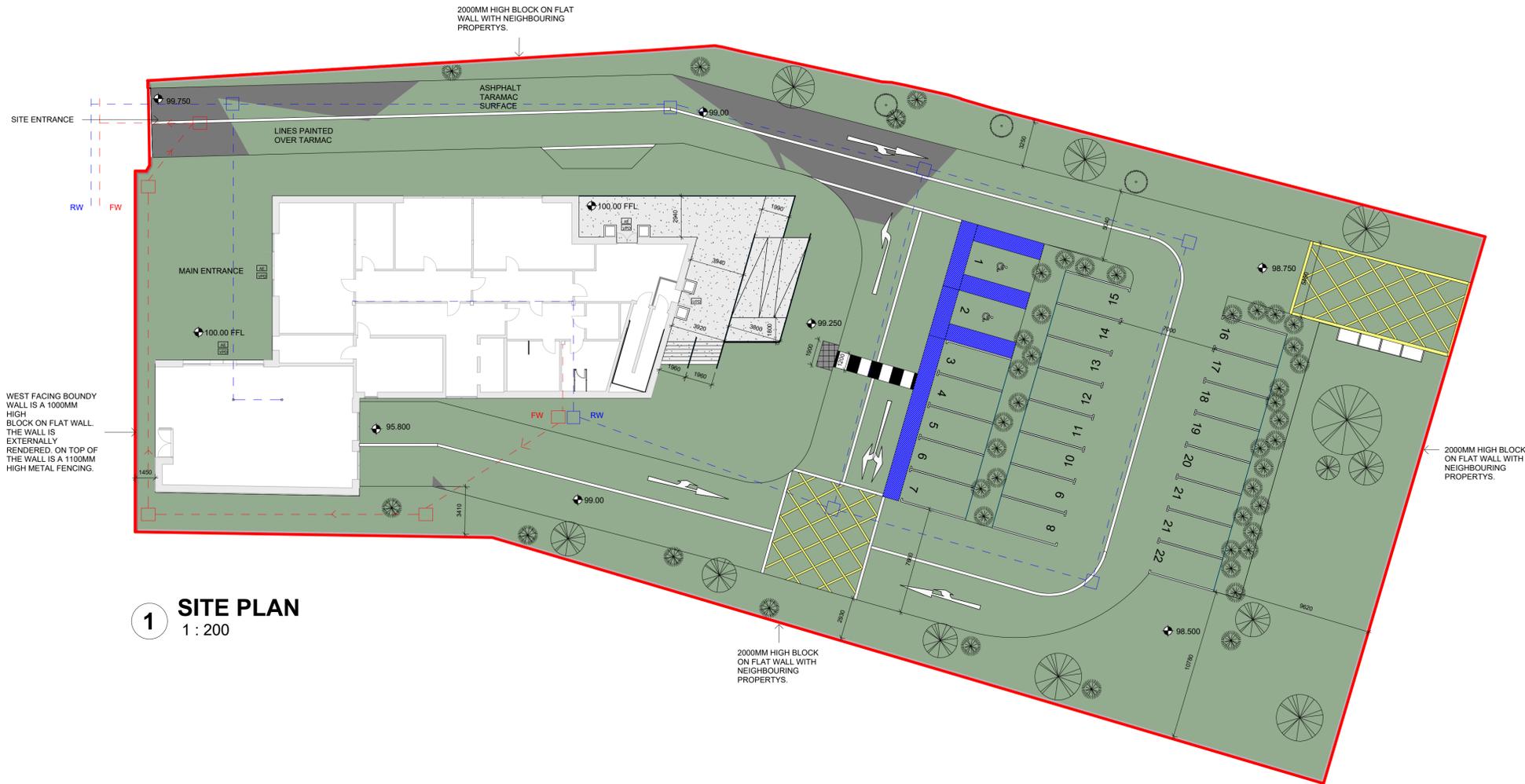
MTU

WEST FACING BOUNDY WALL IS A 1000MM HIGH BLOCK ON FLAT WALL. THE WALL IS EXTERNALLY RENDERED. ON TOP OF THE WALL IS A 1100MM HIGH METAL FENCING. ALL OTHER BOUNDRY WALLS ARE 2000MM HIGH BLOCK ON FLAT WALL WITH NEIGHBOURING PROPERTYS.

ALL ACCESS STEPS: RISE 150MM, GOING 280MM, PITCH 28.3°, TOTAL RISE 750MM, TOTAL STAIR WIDTH 3916MM. STAIRS DIVIDED INTO TWO EQUAL CHANNELS OF 1968MM. A CENTRAL HANDRAIL GOES THROUGH THE STAIRS AN EXTENDS 300MM BEYOND THE TOP AND BOTTOM OF THE STAIRS. HANDRAIL HEIGHT 900MM AND DIAMATER OF 40MM.

ALL ACCESS RAMPS :WIDTH 1800MM, LANDING BETWEEN RAMPS 1800 X 3795MM. RAMP GRADIANT 1:20, TOTAL RISE 750MM. HANDRAIL LOCATED AT EACH SIDE OF THE RAMP. HANDRAIL HEIGHT 900MM WITH 50MM Diameter

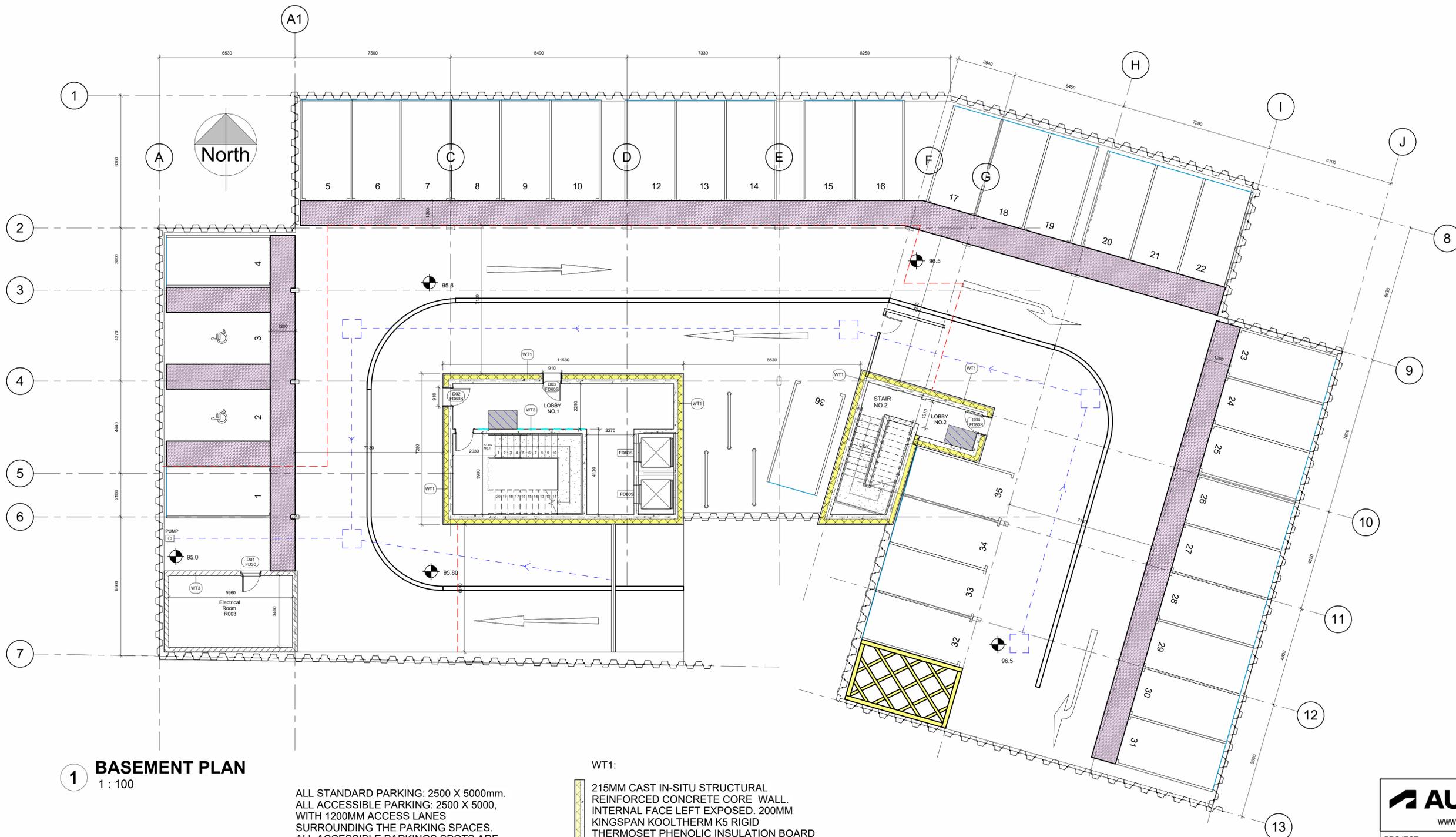
ALL STANDARD PARKING: 2500 X 5000
ALL ACCESSIBLE PARKING: 2500 X 5000, WITH 1200MM ACCESS LANES SURROUNDING THE PARKING SPACES



1 SITE PLAN
1 : 200

-  PLANTING/ SHRUBS/ LANDSCAPING
-  ACCESSIBLE ENTRANCE DOOR
-  1800MM X 1800MM LEVEL LANDING
-  VISION PANEL DOOR
-  ACCESSIBLE PARKING
-  STANDARD PARKING SPACE
-  TACTILE SURFACE WITH DROPPED KERBS
-  ACCESS ROUTE A
-  ACCESS ROUTE B
-  ACCESS ROUTE C
-  SITE PLANTER
-  BORDER
-  PEDESTRIAN CROSSING

		
www.autodesk.com/revit		
PROJECT	Studio: Hybrid multi-storey	
TITLE	SITE PLAN	
CLIENT	Derek O'Leary	
DRAWN BY	CHECKED BY	DATE
Dean Lowe	D.OL	08/01/25
SCALE (@ A1)	PROJECT NUMBER	
1 : 200	1	
DRAWING NUMBER	REV	
A001		



1 BASEMENT PLAN
1 : 100

ALL STANDARD PARKING: 2500 X 5000mm.
ALL ACCESSIBLE PARKING: 2500 X 5000,
WITH 1200MM ACCESS LANES
SURROUNDING THE PARKING SPACES.
ALL ACCESSIBLE PARKINGS SPOTS ARE
HIGHLIGHTED WITH AM ACCESSIBLE
ROAD MARKING IN THE CENTER

STAIRS NO.1
3600MM FROM BASMENT FLOOR TO
GROUND FLOOR - TOTAL STAIR RISE
3600MM. STAIR WIDTH 1200MM, LANDING
WIDTH 1200MM, TWO FLIGHTS, MAX RISE
1800MM, STEP RISE 150MM, STEP GOING
300MM, STAIRS PITCH 27 DEGREES, 40MM
DIAMETER HANDRAILS POSITIONED 900MM
FROM STAIR PITCH LINE

WT1:
215MM CAST IN-SITU STRUCTURAL
REINFORCED CONCRETE CORE WALL.
INTERNAL FACE LEFT EXPOSED. 200MM
KINGSPAN KOOLTHERM K5 RIGID
THERMOSET PHENOLIC INSULATION BOARD
MECHANICALLY FIXED TO CONCRETE
CORE. 5MM WET SKIM GYPSUM PLASTER
FINISH OVER 12.5MM GYPSUM PLASTER
BOARD. 60MIN FIRE RATING REQUIRED.

WT2:
215MM CAST IN-SITU STRUCTURAL
REINFORCED CONCRETE CORE WALL.
INTERNAL AND EXTERNAL FACE LEFT
EXPOSED. WALL MOUNTED SERVICES
CARRIED THROUGH EXPOSED SURFACE
METAL CONDUIT. 60MM FIRE RATING
REQUIRED.

WT3:
215MM BLOCK ON FLAT WALL WITH
10MM MORTAR JOINTS. 5MM WET
SKIM PLASTER FINSH APPLIED
EXTERNALLY. INTERNAL FACE LEFT
EXPOSED. 30MIN FIRE RESISTANCE.

- ACCESSIBLE ENTRANCE DOOR
- 1800MM X 1800MM TURNING AREA
- VISION PANEL DOOR
- ACCESSIBLE PARKING
- SHEET PILE
- PEDESTRIAN CROSSING
- 400 X 200 REINFORCED CONCRETE BEAM
- FOOTPRINT OF BUILDING
- DRAINAGE

www.autodesk.com/revit		
PROJECT Studio: Hybrid multi-storey		
TITLE BASMENT PLAN		
CLIENT Derek O'Leary		
DRAWN BY Dean Lowe	CHECKED BY D.OL	DATE 08/03/25
SCALE (@ A1) 1 : 100	PROJECT NUMBER 1	
DRAWING NUMBER A002	REV	

WT4:

15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. PANEL IS PLACED ON HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI L-RAIL. THE L-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215 CONCRETE BLOCK ON FLAT (10MM MORTAR JOINTS). 200MM OF ROCKWOOL DUO-SLAB INSULATION IS MECHANICALLY FIXED TO EXTERNAL FACE OF THE BLOCKWORK. ON THE FRONT FACE OF THE INSULATION IS A DUPONT TYVEK FIRECURB UV MEMBRANE. BLOCKWORK MADE AIRTIGHT WITH GYPROC AIRTIGHT PLASTER.

WT2:

215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE. 60MM FIRE RATING REQUIRED.

WT5:

15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL THE PLACED HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI T-RAIL. THE T-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE METAL CONDUIT. 60MM FIRE RATING.

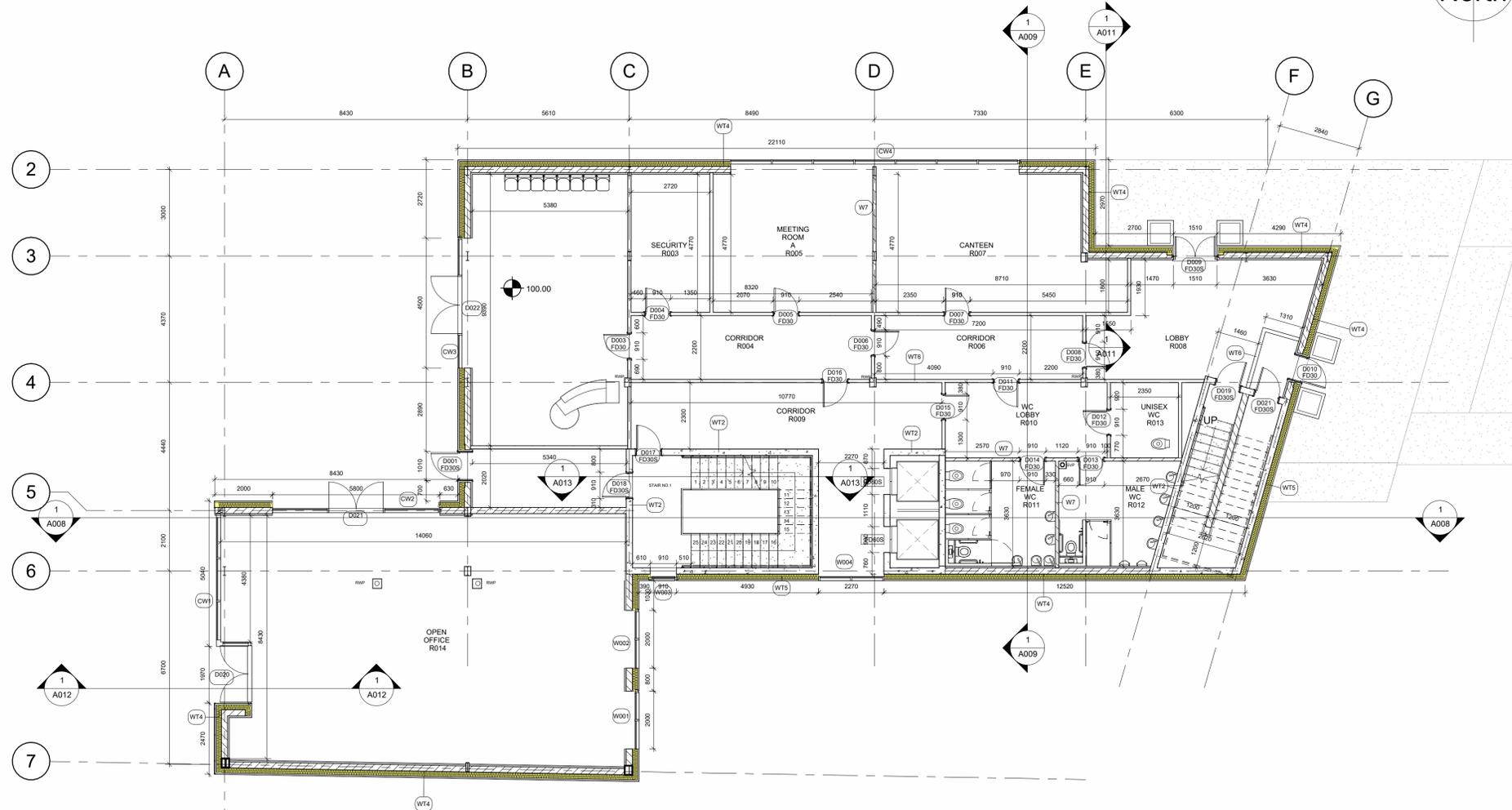
WT6:

GYFWALL EXTREME METAL STUD PARTITION SYSTEM. GYFFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTILLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYFFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. 30 MIN FIRE RATING REQUIRED.

WT7:

GYFWALL EXTREME METAL STUD PARTITION SYSTEM. GYFFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTILLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYFFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. NO FIRE RATING REQUIRED.

GROUND TO FIRST FLOOR :
4500MM FROM BASMENT FLOOR TO GROUND FLOOR - TOTAL STAIR RISE 4500MM. STAIR WIDTH 1200MM. LANDING WIDTH 1200MM. THREE FLIGHTS, MAX RISE 1800MM, STEP RISE 150MM, STEP GOING 300MM, STAIRS PITCH 30 DEGREES, 40MM DIAMETER HANDRAILS POSITIONED 900MM FROM STAIR PITCH INTERNAL DOORS TO BE INSTALLED WITH VISION PANELS



1 GROUND FLOOR PLAN
1 : 100

 www.autodesk.com/revit		
PROJECT Studio: Hybrid multi-storey		
TITLE GROUND FLOOR PLAN		
CLIENT Derek O'Leary		
DRAWN BY Author	CHECKED BY Checker	DATE 03/01/25
SCALE (@ A1) 1 : 100		PROJECT NUMBER 1
DRAWING NUMBER A003		REV

WT4:

15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. PANEL IS PLACED ON HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI L-RAIL. THE L-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215 CONCRETE BLOCK ON FLAT (10MM MORTAR JOINTS). 200MM OF ROCKWOOL DUO-SLAB INSULATION IS MECHANICALLY FIXED TO EXTERNAL FACE OF THE BLOCKWORK. ON THE FRONT FACE OF THE INSULATION IS A DUPONT TYVEK FIRECURB UV MEMBRANE. BLOCKWORK MADE AIRTIGHT WITH GYPROC AIRTIGHT PLASTER.

WT2:

215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE. 60MM FIRE RATING REQUIRED.

WT5:

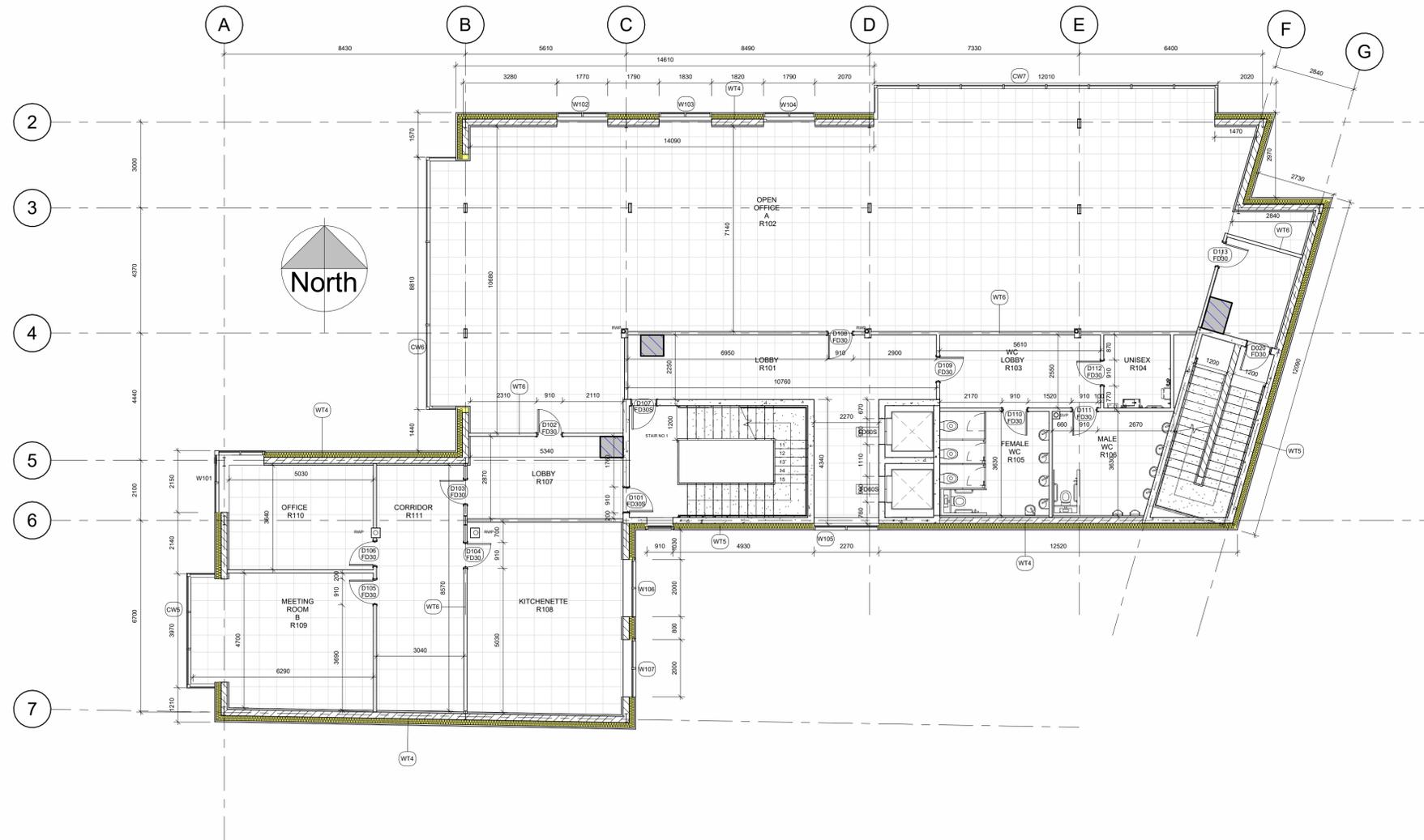
15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL THE PLACED HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI T-RAIL. THE T-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE METAL CONDUIT. 60MM FIRE RATING.

WT6:

GYFWALL EXTEREME METAL STUD PARTITION SYSTEM. GYPFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTALLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYPFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. 30 MIN FIRE RATING REQUIRED.

WT7:

GYFWALL EXTEREME METAL STUD PARTITION SYSTEM. GYPFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTALLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYPFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. NO FIRE RATING REQUIRED.



1 FIRST FLOOR
1 : 100

STAIRS NO. 1

3600MM FROM BASMENT FLOOR TO GROUND FLOOR - TOTAL STAIR RISE 3600MM. STAIR WIDTH 1200MM. LANDING WIDTH 1200MM. TWO FLIGHTS, MAX RISE 1800MM, STEP RISE 150MM, STEP GOING 300MM, STAIRS PITCH 27 DEGREES, 40MM DIAMETER HANDRAILS POSITIONED 900MM FROM STAIR PITCH LINE

INTERNAL DOORS TO BE INSTALLED WITH VISION PANELS



PROJECT
Studio: Hybrid multi-storey

TITLE
FIRST FLOOR PLAN

CLIENT
Derek O'Leary

DRAWN BY Author
CHECKED BY Checker
DATE 03/01/25

SCALE (@ A1) 1 : 100
PROJECT NUMBER 1

DRAWING NUMBER
A004

WT4:

15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. PANEL IS PLACED ON HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI L-RAIL. THE L-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215 CONCRETE BLOCK ON FLAT (10MM MORTAR JOINTS). 200MM OF ROCKWOOL DUO-SLAB INSULATION IS MECHANICALLY FIXED TO EXTERNAL FACE OF THE BLOCKWORK. ON THE FRONT FACE OF THE INSULATION IS A DUPONT TYVEK FIRECURB UV MEMBRANE. BLOCKWORK MADE AIRTIGHT WITH GYPROC AIRTIGHT PLASTER.

WT2:

215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE. 60MM FIRE RATING REQUIRED.

WT5:

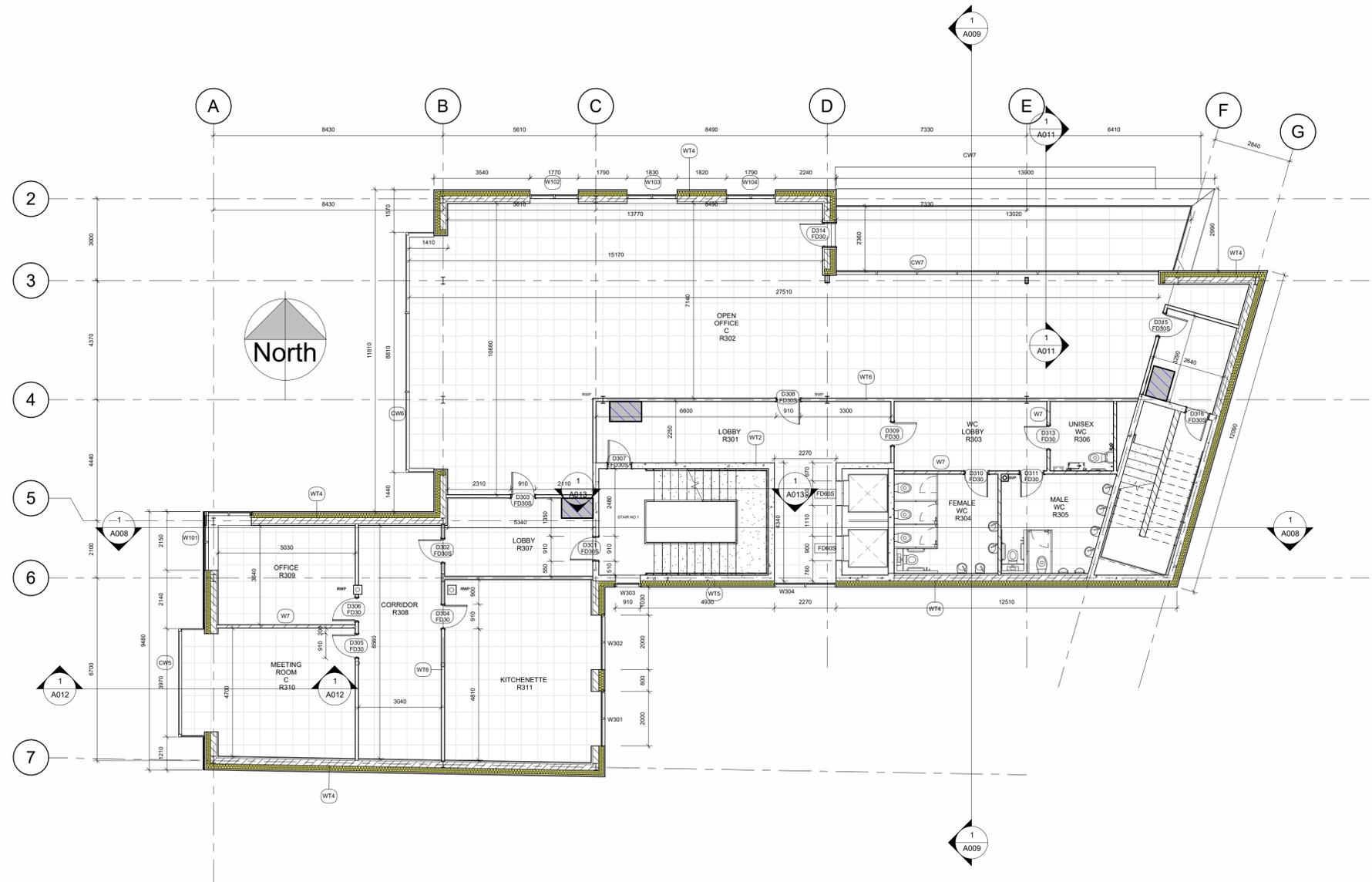
15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. THE PLACED HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI T-RAIL. THE T-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE METAL CONDUIT. 60MM FIRE RATING.

WT6:

GYFWALL EXTEREME METAL STUD PARTITION SYSTEM. GYPFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTALLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYPFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. 30 MIN FIRE RATING REQUIRED.

WT7:

GYFWALL EXTEREME METAL STUD PARTITION SYSTEM. GYPFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTALLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYPFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. NO FIRE RATING REQUIRED.



1 THIRD FLOOR PLAN
1 : 100

STAIRS NO.1

3600MM FROM BASMENT FLOOR TO GROUND FLOOR - TOTAL STAIR RISE 3600MM. STAIR WIDTH 1200MM, LANDING WIDTH 1200MM, TWO FLIGHTS, MAX RISE 1800MM, STEP RISE 150MM, STEP GOING 300MM, STAIRS PITCH 27 DEGREES, 40MM DIAMETER HANDRAILS POSITIONED 900MM FROM STAIR PITCH LINE

INTERNAL DOORS TO BE INSTALLED WITH VISION PANELS

 www.autodesk.com/revit		
PROJECT Studio: Hybrid multi-storey		
TITLE THIRD FLOOR PLAN		
CLIENT Derek O'Leary		
DRAWN BY DEAN LOWE	CHECKED BY D.OL	DATE 04/03/25
SCALE (@ A1) 1 : 100	PROJECT NUMBER 1	
DRAWING NUMBER A005	REV	

WT4:

15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8,5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. PANEL IS PLACED ON HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI L-RAIL. THE L-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215 CONCRETE BLOCK ON FLAT (10MM MORTAR JOINTS). 200MM OF ROCKWOOL DUO-SLAB INSULATION IS MECHANICALLY FIXED TO EXTERNAL FACE OF THE BLOCKWORK. ON THE FRONT FACE OF THE INSULATION IS A DUPONT TYVEK FIRECURB UV MEMBRANE. BLOCKWORK MADE AIRTIGHT WITH GYPROC AIRTIGHT PLASTER.

WT2:

215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE. 60MM FIRE RATING REQUIRED.

WT5:

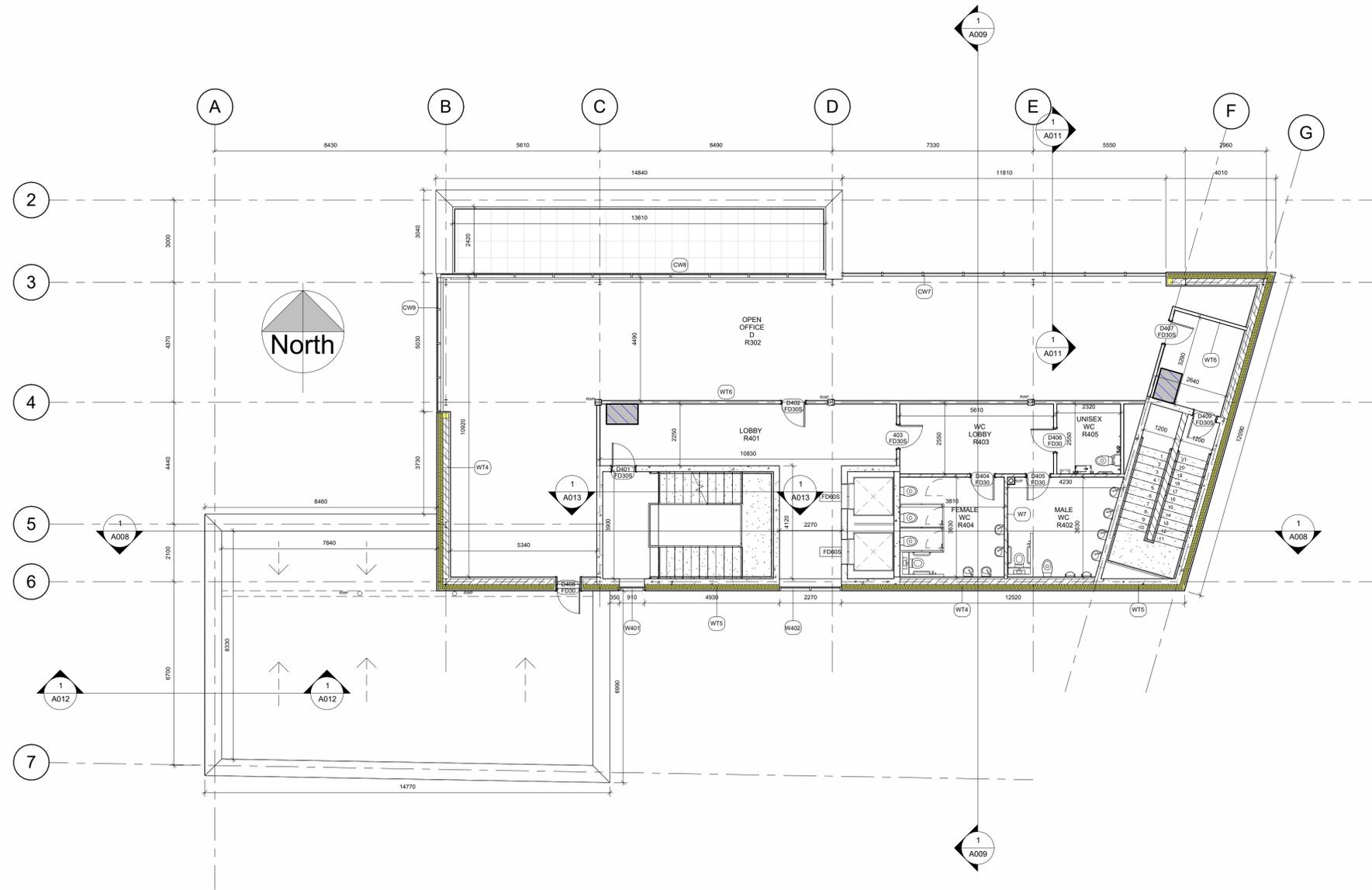
15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8,5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL THE PLACED HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI T-RAIL. THE T-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE METAL CONDUIT. 60MM FIRE RATING.

WT6:

GYFWALL EXTEREME METAL STUD PARTITION SYSTEM. GYPFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTILLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYPFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. 30 MIN FIRE RATING REQUIRED.

WT7:

GYFWALL EXTEREME METAL STUD PARTITION SYSTEM. GYPFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTILLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYPFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. NO FIRE RATING REQUIRED.



1 FOURTH FLOOR PLAN
1 : 100

STAIRS NO.1

3600MM FROM BASMENT FLOOR TO GROUND FLOOR - TOTAL STAIR RISE
3600MM, STAIR WIDTH 1200MM, LANDING WIDTH 1200MM, TWO FLIGHTS, MAX RISE 1800MM, STEP RISE 150MM, STEP GOING 300MM, STAIRS PITCH 27 DEGREES, 40MM DIAMETER HANDRAILS POSITIONED 900MM FROM STAIR PITCH LINE

INTERNAL DOORS TO BE INSTALLED WITH VISION PANELS

 www.autodesk.com/revit		
PROJECT Studio: Hybrid multi-storey		
TITLE FOURTH FLOOR PLAN		
CLIENT Derek O'Leary		
DRAWN BY Dean Lowe	CHECKED BY D'OL	DATE 08/01/25
SCALE (@ A1) 1 : 100	PROJECT NUMBER 1	
DRAWING NUMBER A006	REV	

WT5:

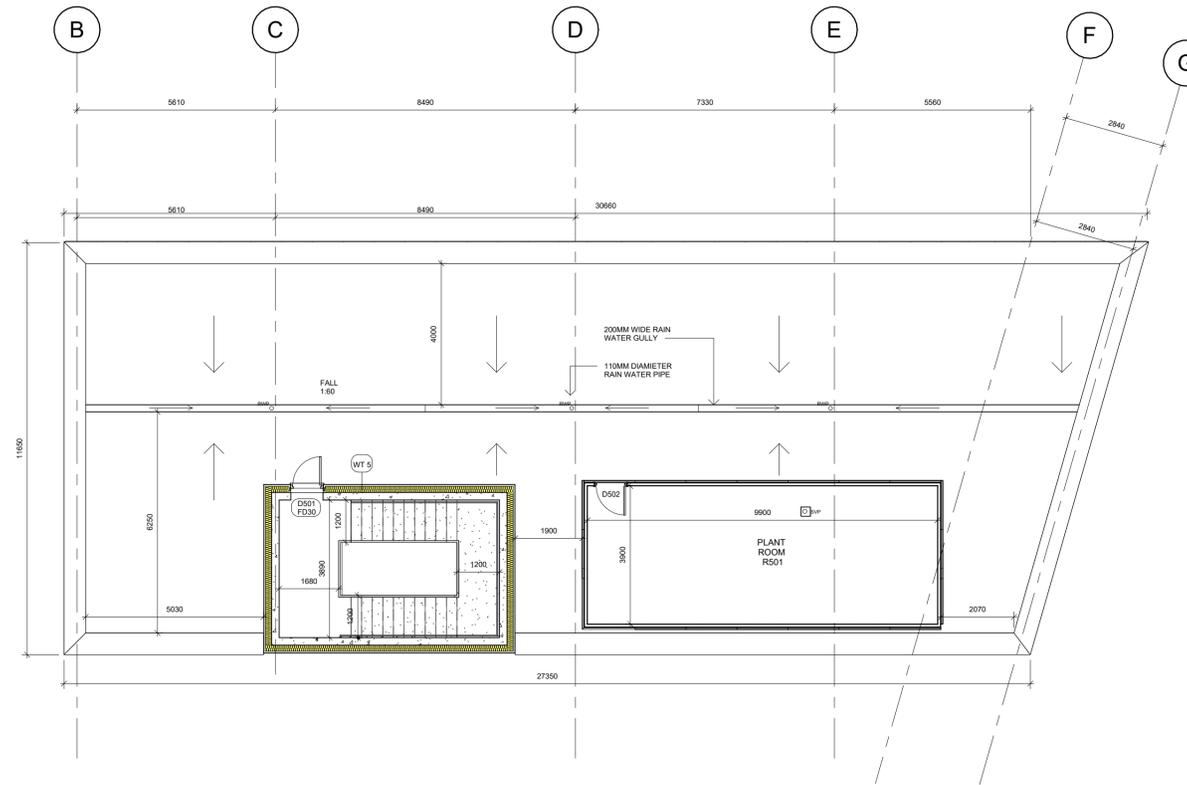
15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. THE PLACED HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI T-RAIL. THE T-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE METAL CONDUIT. 60MM FIRE RATING.

PLANT ROOM TO HAVE DACO LOUVERED FACADE

3MM POWDER COATED ALUMINUM COPING FIXED TO PARAPET

GREEN ROOF BUILD UP:
 SIKAROOF SEDUM BLANKET GROWN ON 50MM DEEP SIKAROOF EXSTENSIVE SUBSTRATE. BELOW SUBSTRATE IS A 20MM SIKAROOF RIGID DRAINAGE LAYER WITH A FILTRATION LAYER. SIKA ROOF PROTECTION FLEECE LAID IN ACCORDANCE WITH MANUFACTERES SPECIFICATION. SIKAROOF RIVER STONE LAID AS 300MM WIDE GRAVEL BALLAST BORDER.

ROOF BUILD UP:
 200MM PRE-CAST HOLLOWCORE SLAB WITH 75MM STRUCTURAL SCREED. ABOVE IS 100MM TAPED SCREED AT A GRADIENT OF 1:60. SIKA S-VAP AIR & VAPOUR CONTROL LAYER ADHERED TO TAPERED SCREED. ABOVE AVCL IS 150MM MECHANICALLY FIXED SIKATHERM® PIR AL INSULATION. INSULATION IS MECHANICALLY FIXED WITH SIKA® SBT THERMALLY BROKEN TUBE FASTENERS AND SBIW INSULATION WASHERS. SARNAFIL AT-18 MEMBRANE IS FIXED WITH SARNAWELD MECHANICALLY FIXED SYSTEM. ON TOP OF THE MEMBRANE SITS A SIKA GREEN ROOF SYSTEM



1 ROOF PLAN
1 : 100

AUTODESK www.autodesk.com/revit		
PROJECT	Studio: Hybrid multi-storey	
TITLE	ROOF PLAN	
CLIENT	Derek O'Leary	
DRAWN BY DEAN LOWE	CHECKED BY D'OL	DATE 03/01/25
SCALE (@ A1) 1 : 100	PROJECT NUMBER 1	
DRAWING NUMBER A007	REV	

WT1:

215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. 200MM KINGSPAN KOOLTHERM K5 RIGID THERMOSET PHENOLIC INSULATION BOARD MECHANICALLY FIXED TO CONCRETE CORE. 5MM WET SKIM GYPSUM PLASTER FINISH OVER 12.5MM GYPSUM PLASTER BOARD. 60MIN FIRE RATING REQUIRED.

WT2:

215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL AND EXTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE METAL CONDUIT. 60MM FIRE RATING REQUIRED.

WT3:

215MM BLOCK ON FLAT WALL WITH 10MM MORTAR JOINTS. 5MM WET SKIM PLASTER FINISH APPLIED EXTERNALLY. INTERNAL FACE LEFT EXPOSED. 30MIN FIRE RESISTANCE.

WT4:

15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. PANEL IS PLACED ON HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI L-RAIL. THE L-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215 CONCRETE BLOCK ON FLAT (10MM MORTAR JOINTS). 200MM OF ROCKWOOL DUO-SLAB INSULATION IS MECHANICALLY FIXED TO EXTERNAL FACE OF THE BLOCKWORK. ON THE FRONT FACE OF THE INSULATION IS A DUPONT TYVEK FIRECURB UV MEMBRANE. BLOCKWORK MADE AIRTIGHT WITH GYPROC AIRTIGHT PLASTER.

WT5:

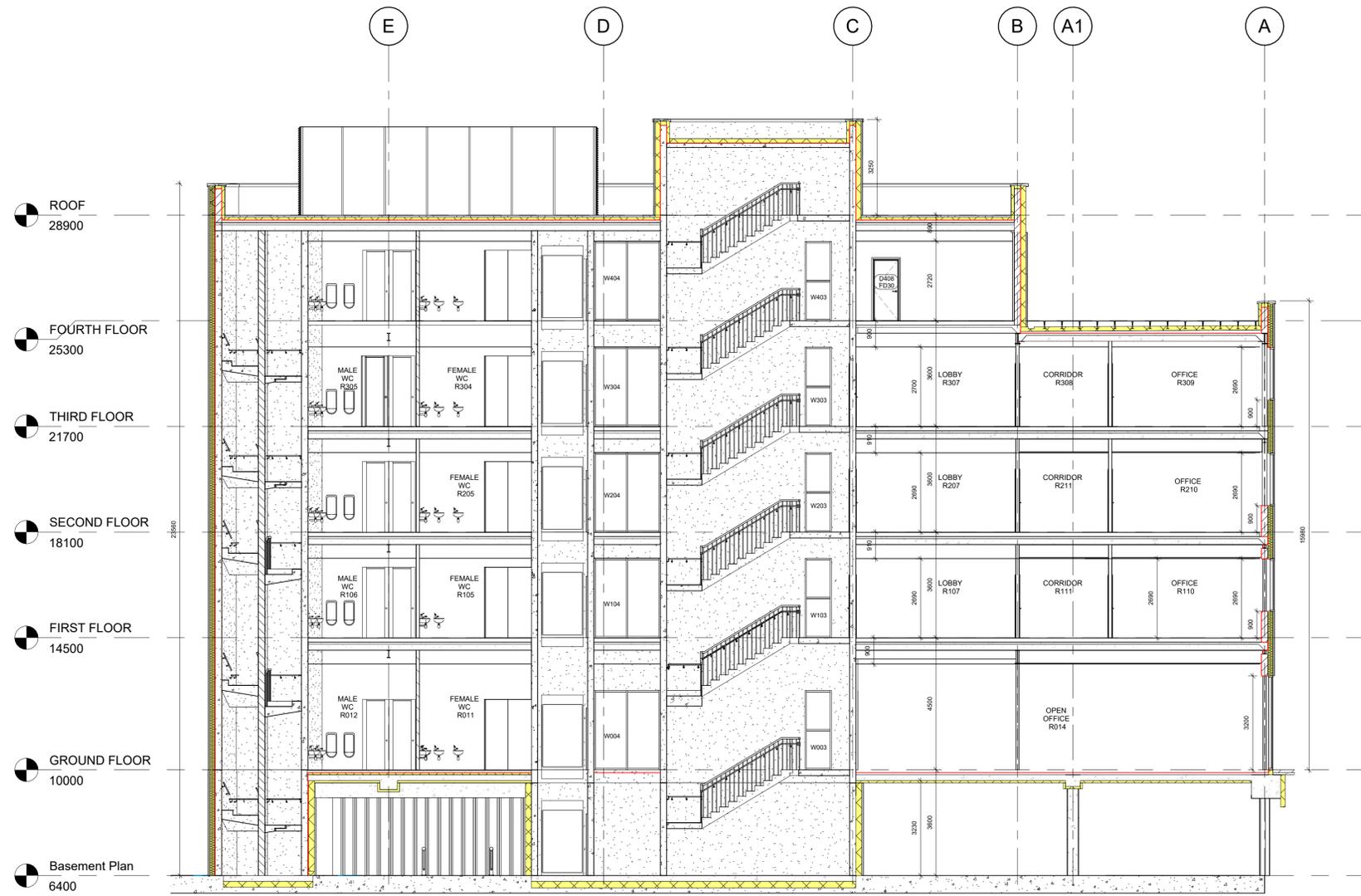
15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. THE PLACED HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI T-RAIL. THE T-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE METAL CONDUIT. 60MM FIRE RATING.

WT6:

GYFWALL EXTEREME METAL STUD PARTITION SYSTEM. GYFFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTALLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYFFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. 30 MIN FIRE RATING REQUIRED.

WT7:

GYFWALL EXTEREME METAL STUD PARTITION SYSTEM. GYFFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTALLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYFFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. NO FIRE RATING REQUIRED.



1 LONGITUDINAL SECTION
1 : 100

ROOF BUILD UP:
200MM PRE-CAST HOLLOWCORE SLAB WITH 75MM STRUCTURAL SCREED. ABOVE IS 100MM TAPED SCREED AT A GRADIENT OF 1:60. SIKA S-VAP AIR & VAPOUR CONTROL LAYER ADHERED TO TAPERED SCREED. ABOVE AVCL IS 150MM MECHANICALLY FIXED SIKATHERM® PIR AL INSULATION. INSULATION IS MECHANICALLY FIXED WITH SIKA® SBT THERMALLY BROKEN TUBE FASTENERS AND SBIW INSULATION WASHERS. SARNAFIL AT-18 MEMBRANE IS FIXED WITH SARNAWELD MECHANICALLY FIXED SYSTEM. ON TOP OF THE MEMBRANE SITS A SIKA GREEN ROOF SYSTEM

WALL BUILD UP:
15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. PANEL IS PLACED ON HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI L-RAIL. THE L-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215 CONCRETE BLOCK ON FLAT (10MM MORTAR JOINTS). 200MM OF ROCKWOOL DUO-SLAB INSULATION IS MECHANICALLY FIXED TO EXTERNAL FACE OF THE BLOCKWORK. ON THE FRONT FACE OF THE INSULATION IS A DUPONT TYVEK FIRECURB UV MEMBRANE. BLOCKWORK MADE AIRTIGHT WITH GYPROC AIRTIGHT PLASTER.

GROUND FLOOR BUILD UP:
200MM REINFORCED CAST IN-SITU CONCRETE SLAB, CAST INTO CONCRETE BEAM. 75MM XTRATHERM THIN-R XT INSULATION MECHANICALLY FIXED BOTH BELOW AND ABOVE CONCRETE SLAB. KNAUF AQUAPANEL SOFFIT BOARD USED TO CONCEAL INSULATION. 75MM SCREED ABOVE INSULATION. VINYL FLOORING FINISH

GREEN ROOF BUILD UP:
SIKAROOF SEDUM BLANKET GROWN ON 50MM DEEP SIKAROOF EXTENSIVE SUBSTRATE. BELOW SUBSTRATE IS A 20MM SIKAROOF RIGID DRAINAGE LAYER WITH A FILTRATION LAYER. SIKA ROOF PROTECTION FLEECE LAID IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION. SIKAROOF RIVER STONE LAID AS 300MM WIDE GRAVEL BALLAST BORDER.

PARAPET WALL:
CHARCOAL GREY GRFC PANEL FIXED TO HILTI ALUMINIUM HANGER MFT-HAF 50 RL8. HANGER RAIL IS BOLTED TO HILTI ALUMINIUM T-RAIL. T-RAIL IS FIXED TO A THERMALY INSULATED HILTI ALUMINIUM MFT-FOX. VT L BRACKET. BRACKET IS ANCHORED TO 215MM CONCRETE BLOCK ON FLAT WALL. BRACKETS ARE SET BETWEEN 200MM OF ROCKWOOL DUO-SLAB INSULATION. DUPONT TYVEK FIRECURB UV MEMBRANE IS MECHANICALLY FIXED TO EXTERIOR FACE OF THE INSULATION. BLOWERPROOF LIQUID MEMBRANE APPLIED TO EXTERNAL AND INTERNAL FACE OF BLOCKWORK.

TERRACE BUILD UP:
75MM STRUCTURAL SCREED AND 200MM HOLLOWCORE SLAB SIT STEEL L PLATES ANCHORED TO 356X127X33 STEEL BEAM. IN ACCORDANCE WITH ENGINEERS DETAILS. ABOVE IS 100MM TAPED SCREED AT A GRADIENT OF 1:60. A SIKA S-VAP AIR & VAPOUR CONTROL LAYER IS ADHERED TO TAPERED SCREED. ABOVE AVCL IS 150MM MECHANICALLY FIXED SIKATHERM® PIR AL INSULATION. INSULATION IS MECHANICALLY FIXED WITH SIKA® SBT THERMALLY BROKEN TUBE FASTENERS AND SBIW INSULATION WASHERS. SARNAFIL AT-18 MEMBRANE IS FIXED WITH SARNAWELD MECHANICALLY FIXED SYSTEM. ON TOP OF THE MEMBRANE SITS VERSIJACK ADJUSTABLE PEDESTALS AND 600 X 600 DREEN CERAMIC SLABS

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PROJECT Studio: Hybrid multi-storey		
TITLE LONGITUDINAL SECTION		
CLIENT Derek O'Leary		
DRAWN BY DEAN LOWE	CHECKED BY D'OL	DATE 09/01/25
SCALE (@ A1) 1 : 100	PROJECT NUMBER 1	
DRAWING NUMBER A008	REV	

WT1:

215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. 200MM KINGSPAN KOOLTHERM K5 RIGID THERMOSET PHENOLIC INSULATION BOARD MECHANICALLY FIXED TO CONCRETE CORE. 5MM WET SKIM GYPSUM PLASTER FINISH OVER 12.5MM GYPSUM PLASTER BOARD. 60MIN FIRE RATING REQUIRED.

WT2:

215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL AND EXTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE METAL CONDUIT. 60MM FIRE RATING REQUIRED.

WT3:

215MM BLOCK ON FLAT WALL WITH 10MM MORTAR JOINTS. 5MM WET SKIM PLASTER FINISH APPLIED EXTERNALLY. INTERNAL FACE LEFT EXPOSED. 30MIN FIRE RESISTANCE.

WT4:

15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. PANEL IS PLACED ON HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI L-RAIL. THE L-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215 CONCRETE BLOCK ON FLAT (10MM MORTAR JOINTS). 200MM OF ROCKWOOL DUO-SLAB INSULATION IS MECHANICALLY FIXED TO EXTERNAL FACE OF THE BLOCKWORK. ON THE FRONT FACE OF THE INSULATION IS A DUPONT TYVEK FIRECURB UV MEMBRANE. BLOCKWORK MADE AIRTIGHT WITH GYPROC AIRTIGHT PLASTER.

WT5:

15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. THE PLACED HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI T-RAIL. THE T-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215MM CAST IN-SITU STRUCTURAL REINFORCED CONCRETE CORE WALL. INTERNAL FACE LEFT EXPOSED. WALL MOUNTED SERVICES CARRIED THROUGH EXPOSED SURFACE METAL CONDUIT. 60MM FIRE RATING.

WT6:

GYFWALL EXTEREME METAL STUD PARTITION SYSTEM. GYPFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTALLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYPFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. 30 MIN FIRE RATING REQUIERED.

WT7:

GYFWALL EXTEREME METAL STUD PARTITION SYSTEM. GYPFRAME 70S60 C STUDS AT 600MM CENTERS WITH 15MM GYPROC RIGIDUR PLASTER BOARDS ON BOTH THE EXTERNAL AND INTERNAL. ALL BOARD JOINTS ARE TO BE STAGGERED IN ACCORDANCE WITH GYPROC'S INSTALLATION RECOMMENDATIONS. VERTICAL JOINTS IN FACE LAYER BOARDS TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. HORIZONTAL JOINTS IN FACE LAYER BOARDS TO BE BACKED BY GYPFRAME GFS1 FIXING STRAP AND TREATED IN ACCORDANCE WITH GYPROC PAPER JOINT TAPE METHOD. 2MM GYPROC SKIMCOAT PLASTER APPLIED IN ACCORDANCE WITH GYPROCS CURRENT RECOMMENDATIONS. NO FIRE RATING REQUIRED.

GREEN ROOF BUILD UP:
SIKAROOF SEDUM BLANKET GROWN ON 50MM DEEP SIKAROOF EXSTENSIVE SUBSTRATE. BELOW SUBSTRATE IS A 20MM SIKAROOF RIGID DRAINAGE LAYER WITH A FILTRATION LAYER. SIKA ROOF PROTECTION FLEECE LAID IN ACCORDANCE WITH MANUFACTERES SPECIFICATION. SIKAROOF RIVER STONE LAID AS 300MM WIDE GRAVEL BALLAST BORDER.

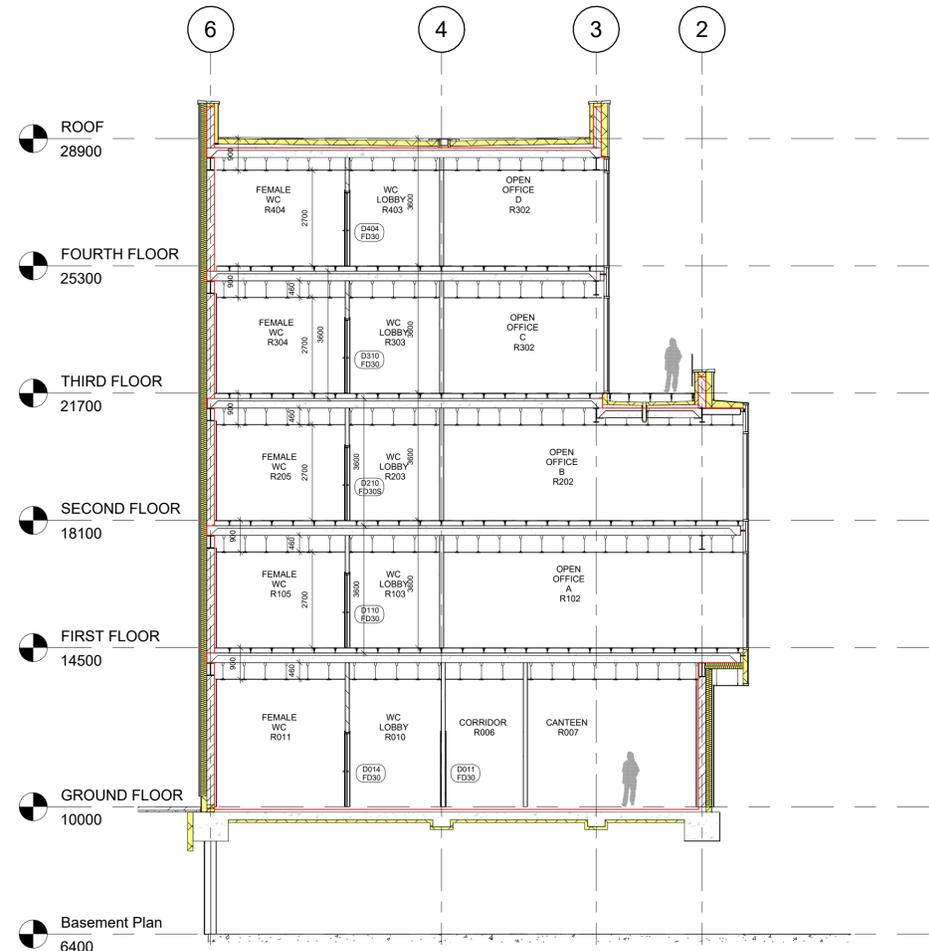
ROOF BUILD UP:
200MM PRE-CAST HOLLOWCORE SLAB WITH 75MM STRUCTURAL SCREED. ABOVE IS 100MM TAPED SCREED AT A GRADIENT OF 1:60. SIKA S-VAP AIR & VAPOUR CONTROL LAYER ADHERED TO TAPERED SCREED. ABOVE AVCL IS 150MM MECHANICALLY FIXED SIKATHERM® PIR AL INSULATION. INSULATION IS MECHANICALLY FIXED WITH SIKA® SBT THERMALLY BROKEN TUBE FASTENERS AND SBIW INSULATION WASHERS. SARNAFIL AT-18 MEMBRANE IS FIXED WITH SARNAWELD MECHANICALLY FIXED SYSTEM. ON TOP OF THE MEMBRANE SITS A SIKA GREEN ROOF SYSTEM

PARAPET WALL:
CHARCOAL GREY GRFC PLANEL FIXED TO HILTI ALUMINIUM HANGER MFT-HAF 50 RL8. HANGER RAIL IS BOLTED TO HILTI ALUMINIUM T-RAIL. T-RAIL IS FIXED TO A THERMALY INSULATED HILTI ALUMINIUM MFT-FOX. VT L BRACKET. BRACKET IS ACHORED TO 215MM CONCRETE BLOCK ON FLAT WALL. BRACKETS ARE SET BETWEEN 200MM OF ROCKWOOL DUO-SLAB INSULATION. DUPONT TYVEK FIRECURB UV MEMBRANE IS MECHANICALLY FIXED TO EXTERIOR FACE OF THE INSULATION. BLOWERPROOF LIQUID MEMBRANE APPLIED TO EXTERNAL AND INTERNAL FACE OF BLOCKWORK.

TERRACE BUILD UP:
75MM STURCTURAL SCREED AND 200MM HOLLOWCORE SLAB SIT STEEL L PLATES ANCHORED TO 356X127X33 STEEL BEAM. IN ACCORDANCE WITH ENGINEERS DETAILS. ABOVE IS 100MM TAPED SCREED AT A GRADIENT OF 1:60. A SIKA S-VAP AIR & VAPOUR CONTROL LAYER IS ADHERED TO TAPERED SCREED. ABOVE AVCL IS 150MM MECHANICALLY FIXED SIKATHERM® PIR AL INSULATION. INSULATION IS MECHANICALLY FIXED WITH SIKA® SBT THERMALLY BROKEN TUBE FASTENERS AND SBIW INSULATION WASHERS. SARNAFIL AT-18 MEMBRANE IS FIXED WITH SARNAWELD MECHANICALLY FIXED SYSTEM. ON TOP OF THE MEMBRANE SITS VERSIJACK ADJUSTABLE PEDESTALS AND 600 X 600 DREEN CERAMIC SLABS

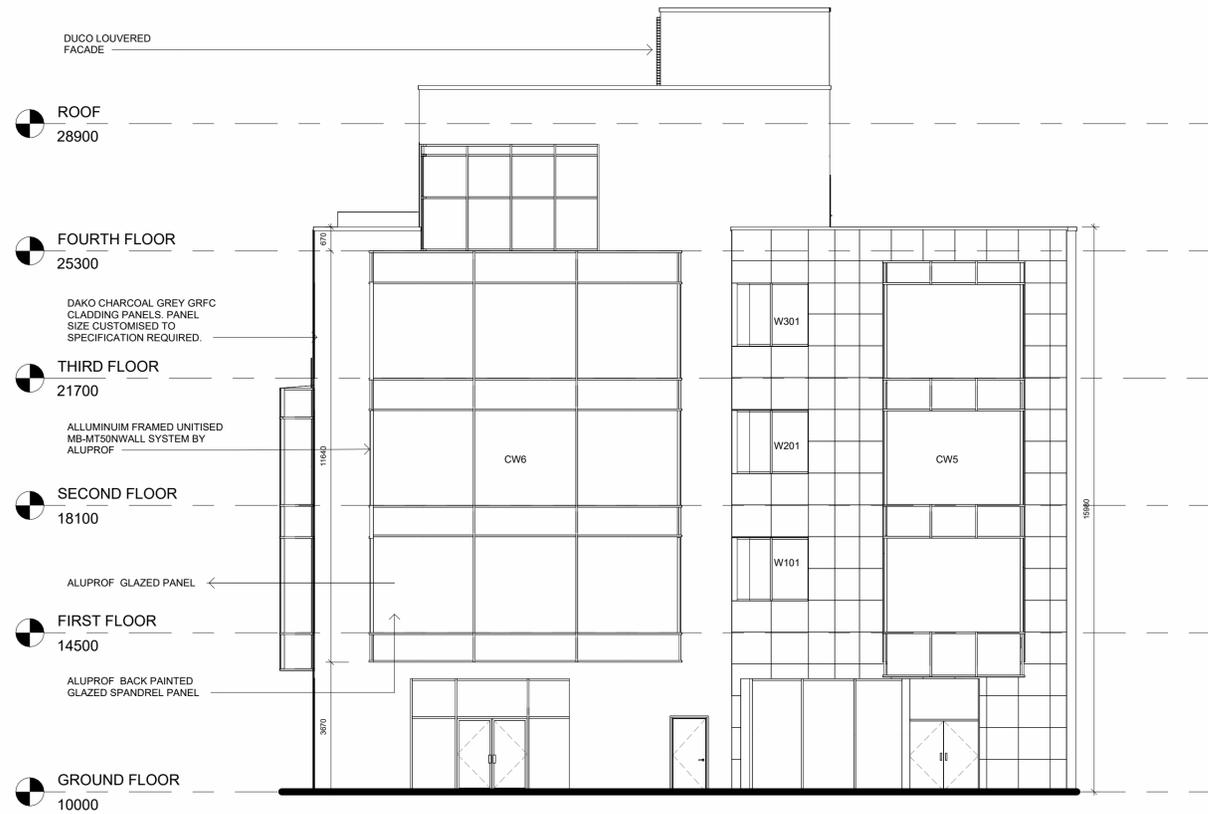
WALL BUILD UP:
15MM GRFC CLADDING PANEL ON THE FACADE OF THE BUILDING. CLADDING PANELS ARRIVE ONSITE FIXED WITH MFT-HAF 50 RL8.5 HILTI ALUMINIUM HANGER AT EACH CORNER OF THE PANEL. PANEL IS PLACED ON HANGER RAIL AND FIXED TO POSITION WITH SELF-TAPPING SCREWS. THE HANGER RAILS ARE THEN BOLTED TO A HILTI L-RAIL. THE L-RAIL IS ATTACHED TO A HILTI ALUMINIUM MFT-FOX VT L BRACKET. THE BRACKET IS ANCHORED TO 215 CONCRETE BLOCK ON FLAT (10MM MORTAR JOINTS). 200MM OF ROCKWOOL DUO-SLAB INSULATION IS MECHANICALLY FIXED TO EXTERNAL FACE OF THE BLOCKWORK. ON THE FRONT FACE OF THE INSULATION IS A DUPONT TYVEK FIRECURB UV MEMBRANE. BLOCKWORK MADE AIRTIGHT WITH GYPROC AIRTIGHT PLASTER.

GROUND FLOOR BUILD UP:
200MM REINFORCED CAST IN-SITU CONCRETE SLAB, CAST INTO CONCRETE BEAM. 75MM XTRATHERM THIN-R XT INSULATION MECHANICALLY FIXED BOTH BELOW AND ABOVE CONCRETE SLAB. KNAUF AQUAPANEL SOFFIT BOARD USED TO CONCEAL INSULATION. 75MM SCREED ABOVE INSUALTION. VINYL FLOORING FINISH

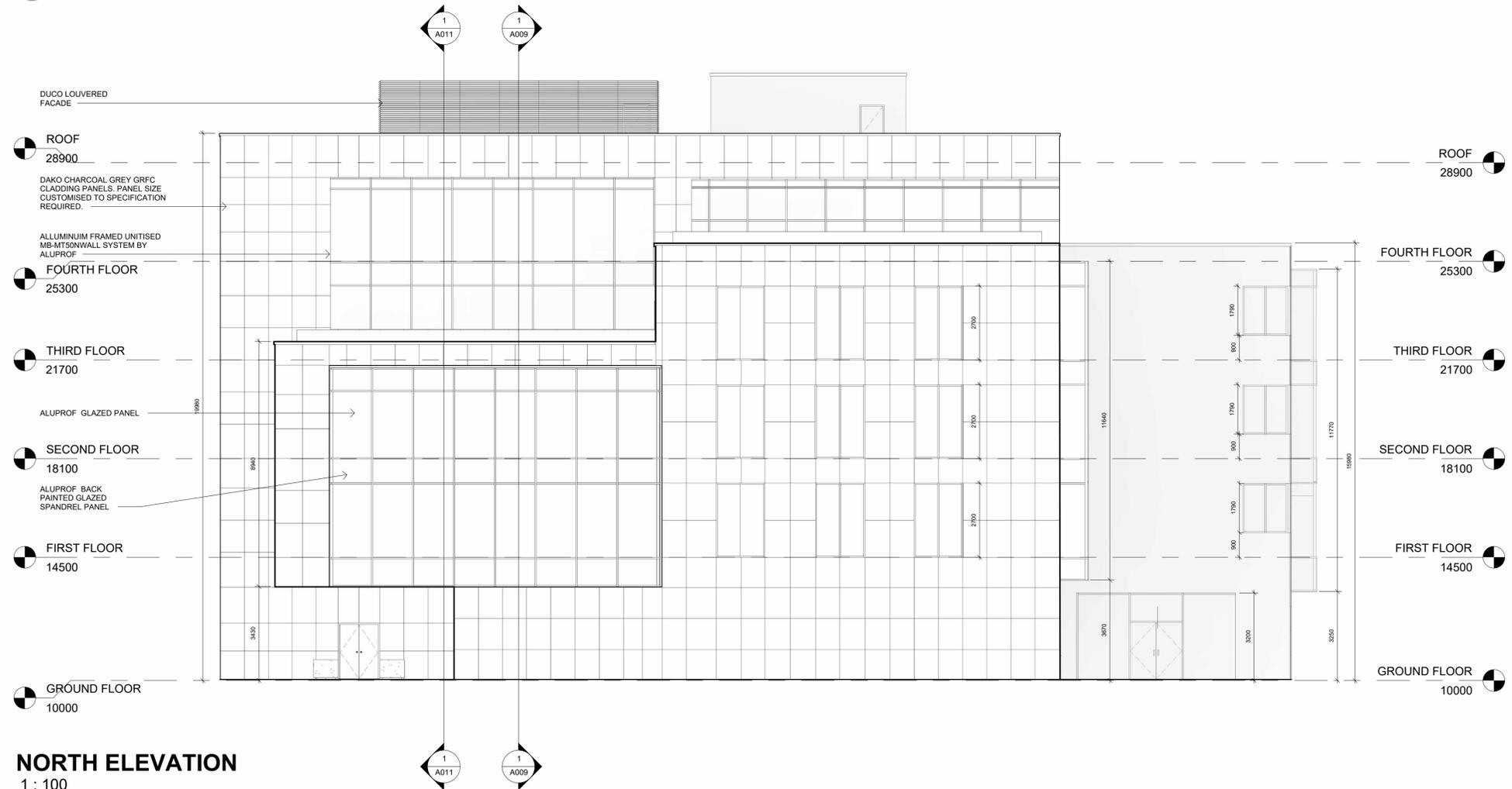


1 CROSS SECTION
1 : 100

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PROJECT Studio: Hybrid multi-storey		
TITLE CROSS SECTION		
CLIENT Derek O'Leary		
DRAWN BY DEAN LOWE	CHECKED BY D'OL	DATE 09/03/25
SCALE (@ A1) 1 : 100	PROJECT NUMBER 1	
DRAWING NUMBER A009	REV	

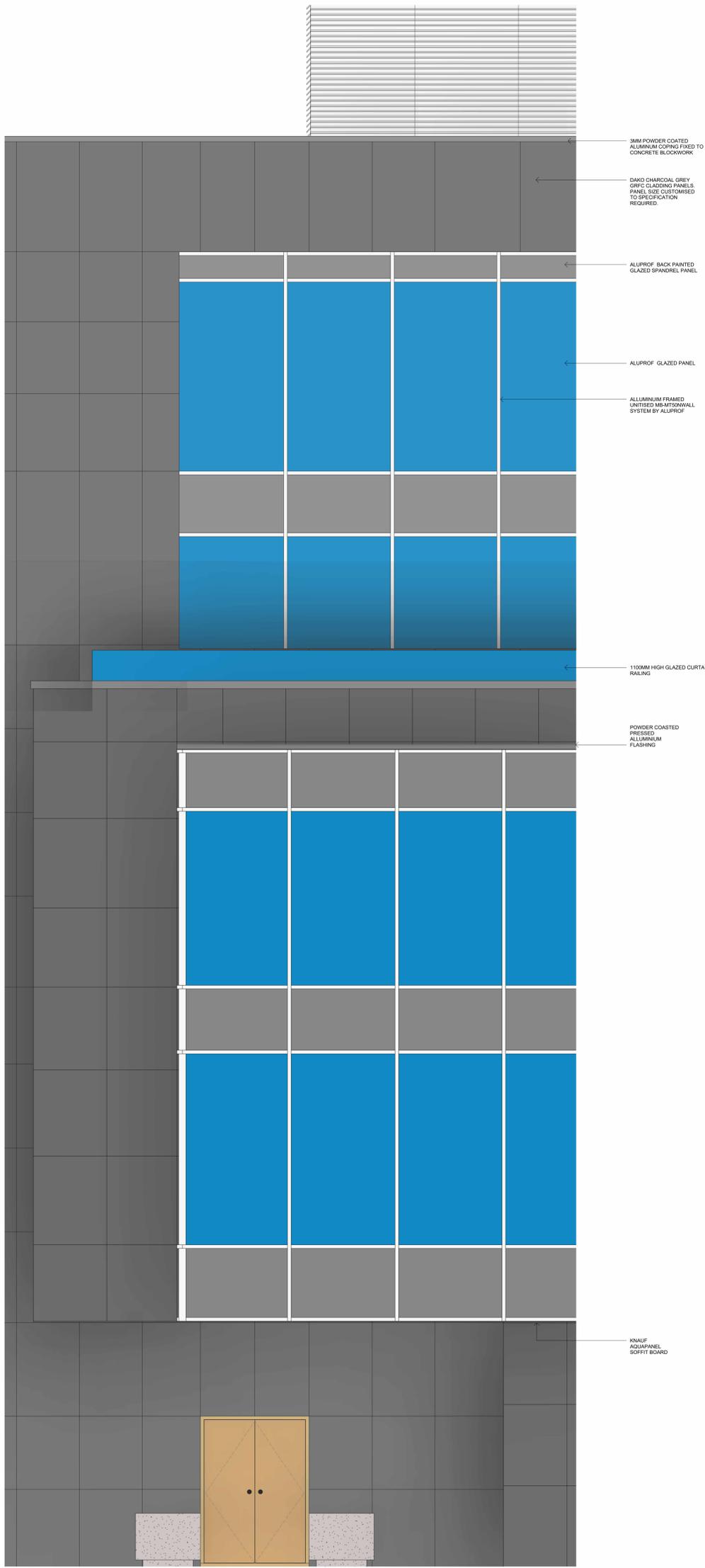


1 WEST ELEVATION
1 : 100

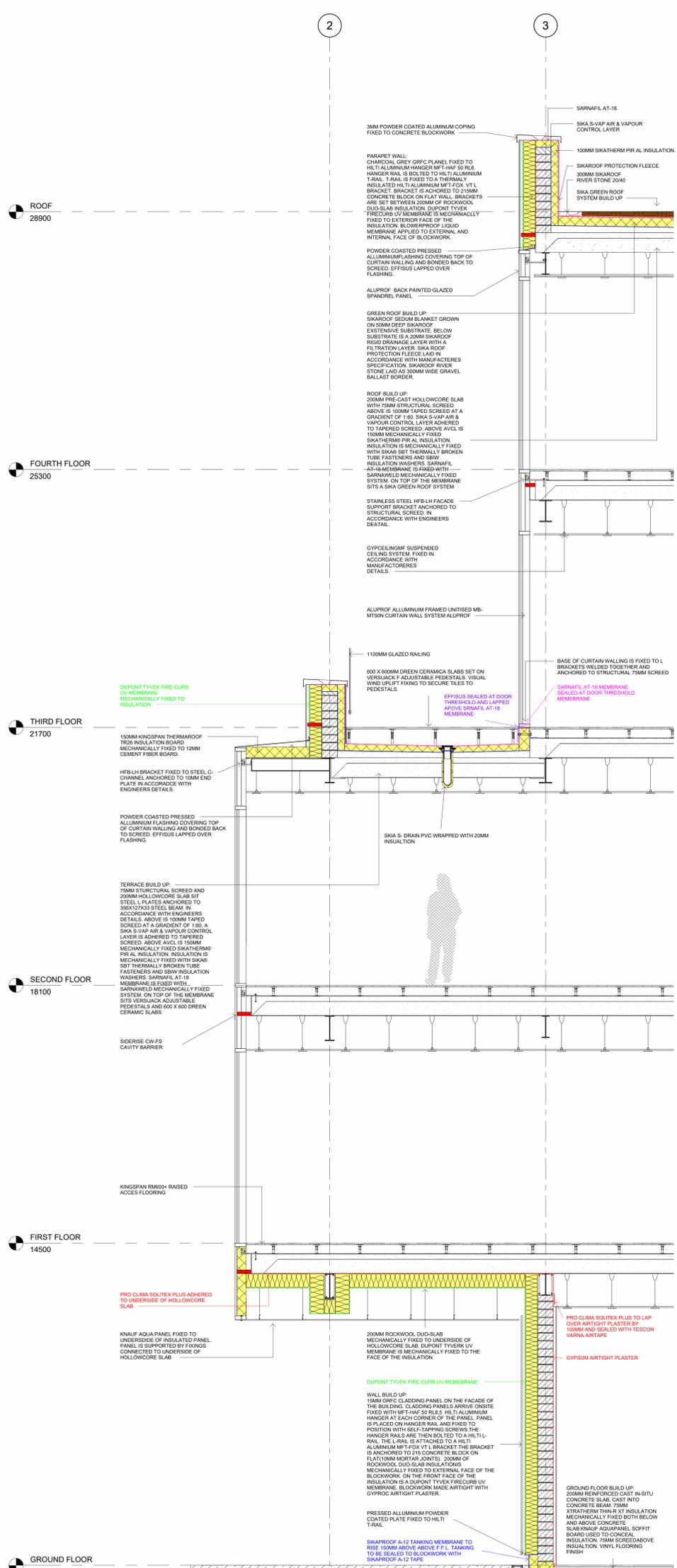


NORTH ELEVATION
1 : 100

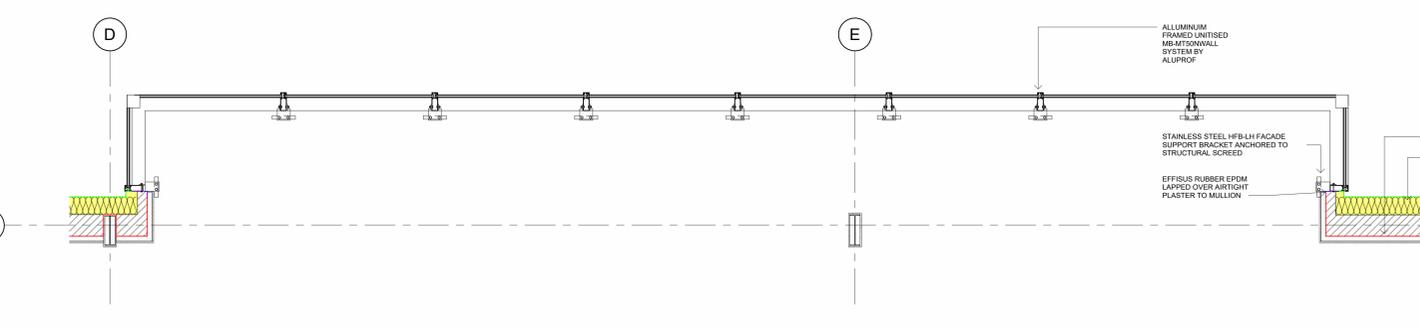
AUTODESK www.autodesk.com/revit		
PROJECT Studio: Hybrid multi-storey		
TITLE NORTH & WEST ELEVATION		
CLIENT Derek O'Leary		
DRAWN BY DEAN LOWE	CHECKED BY DO'L	DATE 03/01/25
SCALE (@ A1) 1 : 100	PROJECT NUMBER 1	
DRAWING NUMBER A010		REV



2 PART NORTH ELEVATION
1:25



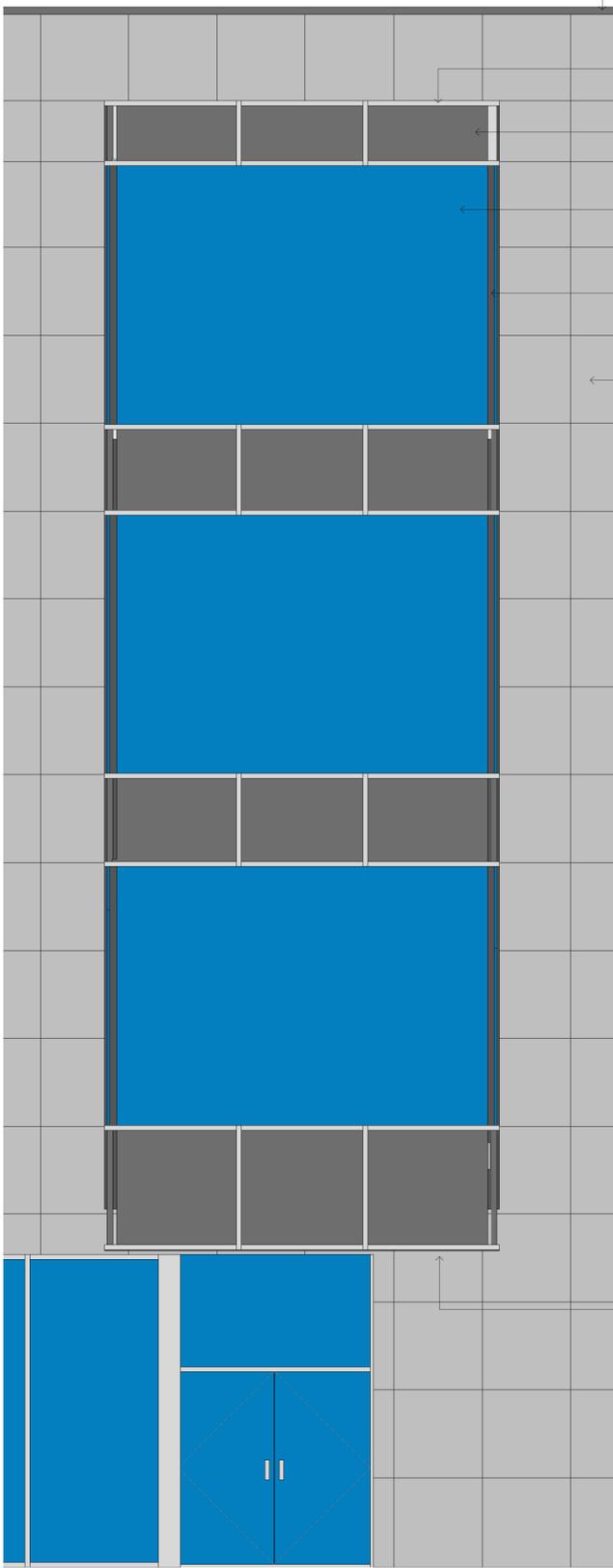
1 PART SECTION NORTH ELEVATION
1:25



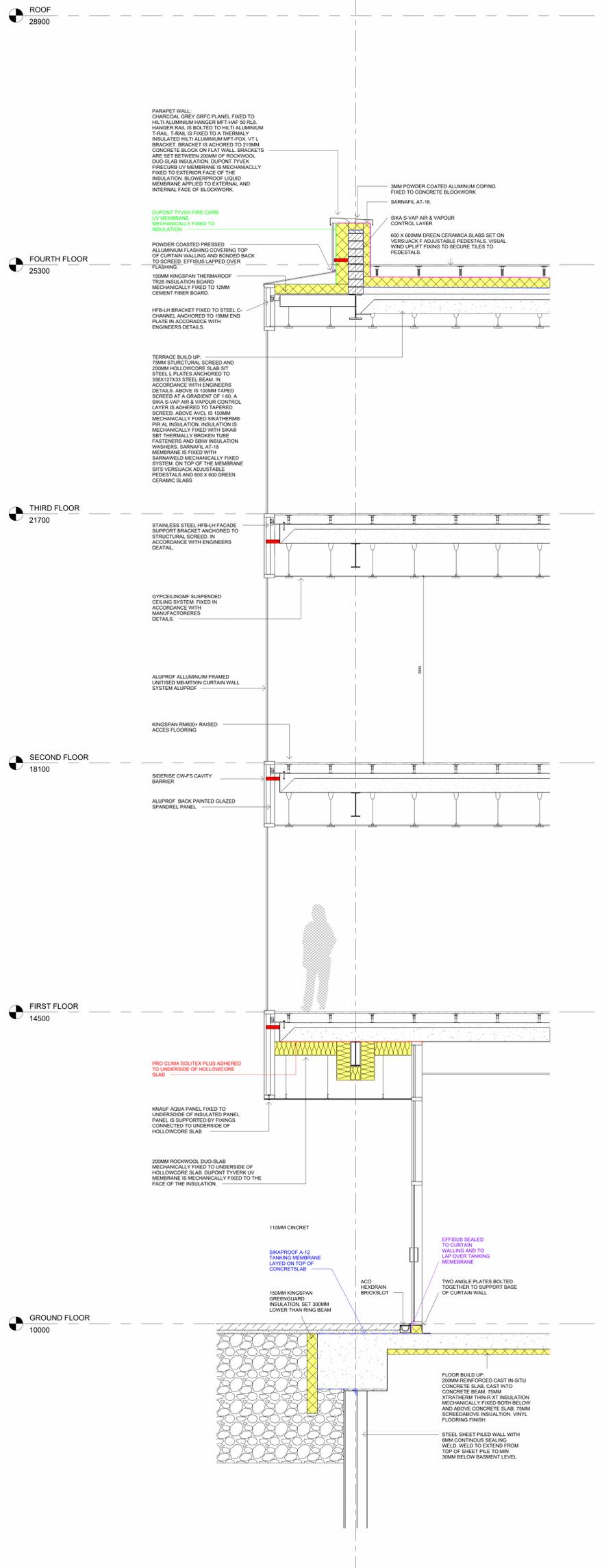
3 FIRST FLOOR BASE OF WINDOW
1:25

Project: Studio: Hybrid multi-storey
Title: NORTH WEST PART SECTION, ELEVATION & PLAN
Sheet No.: A011
Client: DEAN LOWE

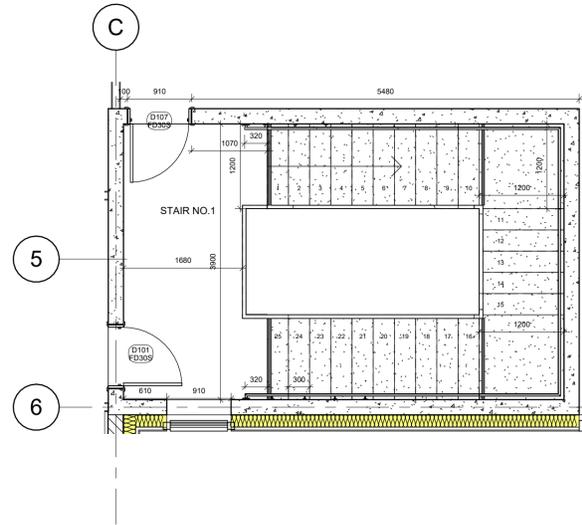
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FULL SIZE SHEET SIZE A0



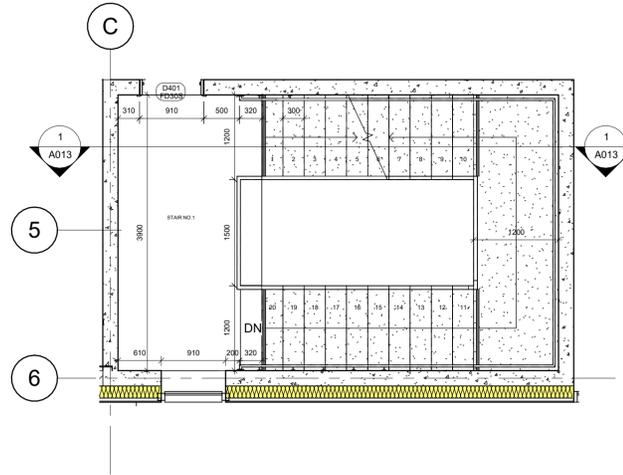
2 PART WEST ELEVATION
1 : 25



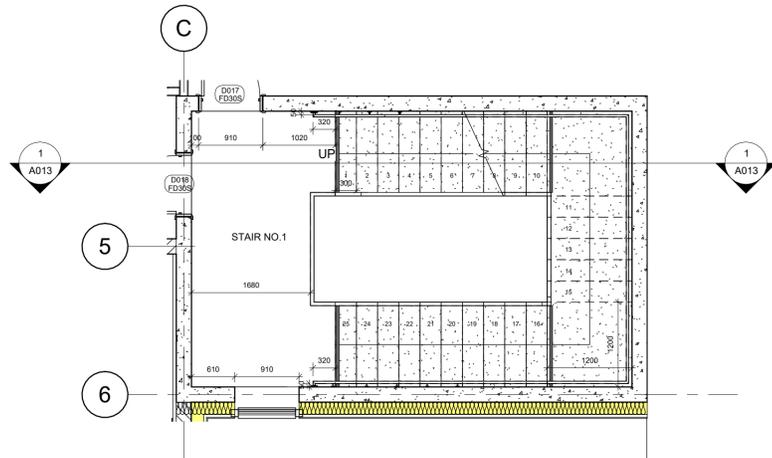
1 PART SECTION WEST ELEVATION
1 : 25



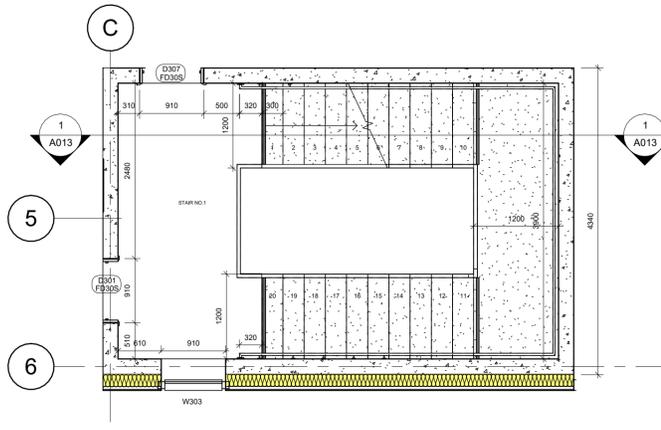
4 STAIRS FIRST & SECOND FLOOR PLAN
1 : 50



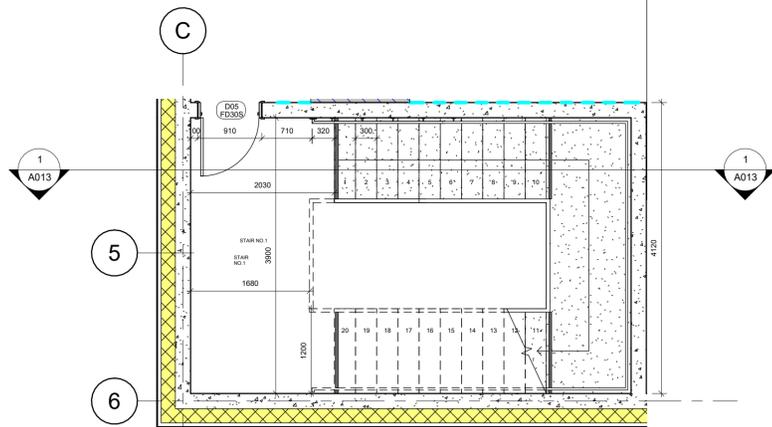
6 STAIRS FOURTH FLOOR PLAN
1 : 50



3 STAIRS GROUND FLOOR PLAN
1 : 50



5 STAIRS THIRD FLOOR PLAN
1 : 50



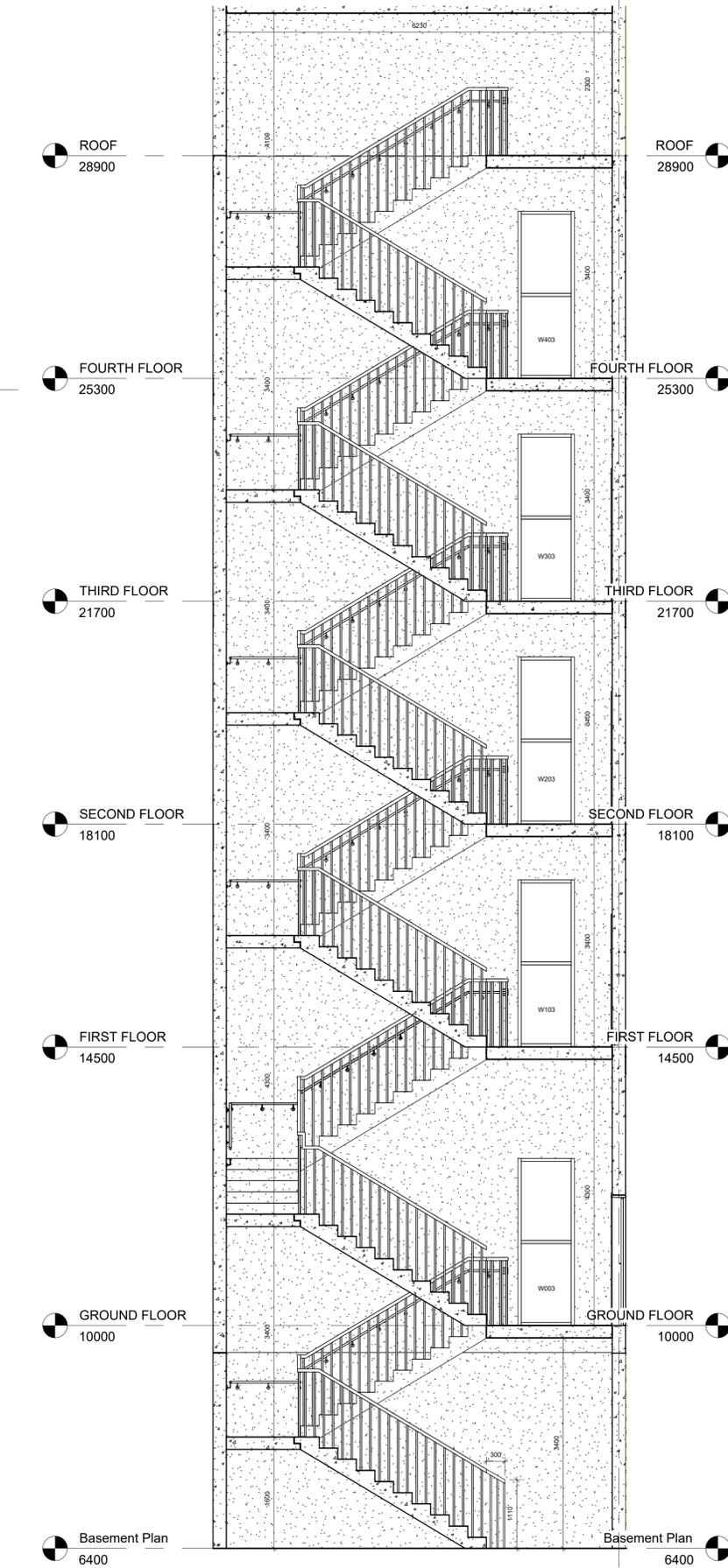
2 STAIRS BASMENT PLAN
1 : 50

STAIRS NO.1

3600MM FROM BASMENT FLOOR TO GROUND FLOOR - TOTAL STAIR RISE 3600MM. STAIR WIDTH 1200MM, LANDING WIDTH 1200MM, TWO FLIGHTS, MAX RISE 1800MM, STEP RISE 150MM, STEP GOING 300MM. STAIRS PITCH 27 DEGREES, 40MM DIAMETER HANDRAILS POSITIONED 900MM FROM STAIR PITCH LINE

GROUND TO FIRST FLOOR : 4500MM FROM BASMENT FLOOR TO GROUND FLOOR - TOTAL STAIR RISE 4500MM. STAIR WIDTH 1200MM, LANDING WIDTH 1200MM, THREE FLIGHTS, MAX RISE 1800MM, STEP RISE 150MM, STEP GOING 300MM, STAIRS PITCH 30 DEGREES, 40MM DIAMETER HANDRAILS POSITIONED 900MM FROM STAIR PITCH LINE

VISUAL AID STRIP LOCATED AT THE BASE AND TOP OF EACH FLIGHT



1 STAIRS 1 SECTION
1 : 50

AUTODESK www.autodesk.com/revit		
PROJECT Studio: Hybrid multi-storey		
TITLE STAIRS NO.1 SECTION & PLANS		
CLIENT Derek O'Leary		
DRAWN BY DEAN LOWE	CHECKED BY D'OL	DATE 03/09/25
SCALE (@ A1) As indicated	PROJECT NUMBER 1	
DRAWING NUMBER A013	REV	