
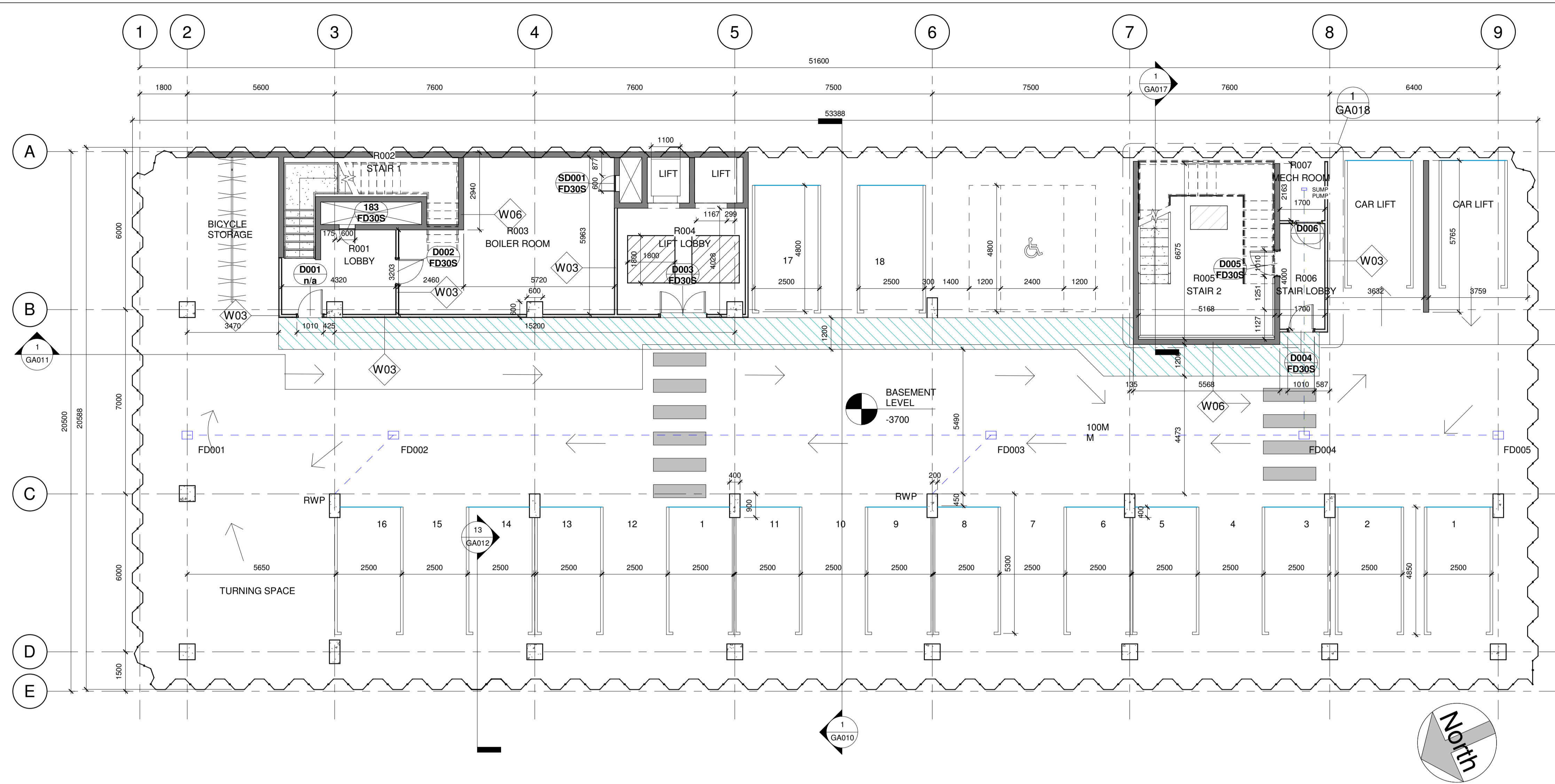


1 Site Plan
1 : 200

 <p>MTU Ollscoil Teicneolaíochta na Mumhan Munster Technological University</p>		
PROJECT		
GA Drawings + Details		
TITLE		
Site Plan		
DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 200	PROJECT NUMBER 03	
DRAWING NUMBER GA001		REV



DOOR NAME	DOOR LOCATION	PLAN	ELEVATION
ACCESS PANELS DIRECT - FIRE RATED ACCESS PANEL	SD001		
CS ACROVYN® DOORSET - DOUBLE WITH VP08 VISION PANELS	D003		
CS ACROVYN® DOORSET - DOUBLE WITHOUT VISION PANELS	N/A		
CS ACROVYN® DOORSET - SINGLE WITH TYPE VP4 VISION PANEL	D001 D002 D003 D004 D005 D006		
CS ACROVYN® DOORSET - SINGLE WITHOUT VISION PANELS	N/A		
KAWNEER AA720 CW OPEN OUT SINGLE LEAF DOORSET	N/A		

1 00 Basement Floor
1 : 100

NAME	SECTION	DETAILS
W01 RAINSCREEN WALL (BLOCK INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRG IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 215X400X100MM KILSAREN MEDIUM DENSITY CONCRETE BLOCKS PLACED BLOCK ON FLAT. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO BLOCKWORK. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W02 RAINSCREEN WALL (CONCRETE INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRG IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 200MM C30 REINFORCED CONCRETE INFILL WALL. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO PRECAST WALL. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W03 GYPROC PARTITION WALL (X606A005)		60 MIN FIRE RATING 2MM GYPROC SKIMCOAT FINISH ON 15MM GYPROC WALLBOARD ON 12.5MM WITH STAGGERED JOINTS ON RIGIDUR H WALLBOARD ON 12.5MM GYPFRAME 70 S 60 °C STUD 15MM GYPROC WALLBOARD WITH STAGGERED JOINTS ON 12.5MM RIGIDUR H WITH 2MM GYPROC SKIMCOAT FINISH
W04 GYPROC PARTITION WALL (A206164)		30 MINUTE FIRE RATING 2MM GYPROC SKIMCOAT FINISH GYPROC WALLBOARD 12.5MM GYPFRAME 70 S 60 °C STUD GYPROC WALLBOARD 12.5MM 2MM GYPROC SKIMCOAT FINISH
W05 CIS WALL WITH EXTERNAL FINISH		60 MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRG IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO 200MM C30 GRADE CONCRETE CAST IN SITU WALL WITH 1500X600X20MM ELEMENTAL GFRG IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM VIA ELEMENTAL F1 RAINSCREEN BRACKETS
W06 CIS WALL WITH PASTER FINISH		60 MINUTE FIRE RATING 6MM GYPROC SOUNDBLOC PARGE COAT WITH 6MM GYPROC CARLITE PLASTER FINISH ON 200MM C30 GRADE CONCRETE CAST IN SITU WALL
W07 GLAZED PARTITION WALL		PLANET SYSTEMS 55MM INTERNAL DOUBLE GLAZED PARTITION WALL FIRE RATED FOR 30MINUTES

LEGEND	
VEHICLE DIRECTION	
PEDESTRIAN FOOTPATH	
WHEEL CHAIR CLEAR AREA	
WHEELCHAIR REFUGE	
SERVICE SHAFT	
ROOM NUMBER TAG	R##
DOOR NUMBER TAG	D###
FIRE DOOR RATING TAG	FD###
SERVICE DOOR TAG	SD###
WALL TAG	W##

BASEMENT FLOOR BUILDUP	
VEHICLE DIRECTION	→
PEDESTRIAN FOOTPATH	
WHEEL CHAIR CLEAR AREA	
WHEELCHAIR REFUGE	
SERVICE SHAFT	
ROOM NUMBER TAG	R##
DOOR NUMBER TAG	D###
FIRE DOOR RATING TAG	FD###
SERVICE DOOR TAG	SD###
WALL TAG	W##

SIKAFLOOR® 359 N SLIP RESISTANT EPOXY FLOOR FINISH WITH BLUE PIGMENT ADDED TO AREAS DESIGNATED PEDESTRIAN FOOTPATH AND WHITE PIGMENT ELSEWHERE ON 75MM CONCRETE FINISH SCREED WITH FLOAT FINISH ON VISQUEEN FOIL LINED MODIFIED BITUMEN RUBBER MEMBRANE GAS RESISTANT - SELF ADHESIVE TANKING MEMBRANE APPLIED TO 600MM CIS C30 GRADE REINFORCED CONCRETE TO ENGINEERS SPECIFICATION

SHEET PILE


ARCELOR MITTAL A14 U SECTION STEEL SHEET PILES WITH 6MM CONTINUOUS WELD SEALING INTERLOCKING PILES. PILES TO BE DRIVEN TO DEPTH SPECIFIED BY ENGINEER.

COLUMN

600X600 CIS REINFORCED CONCRETE COLUMN WITH EXPOSED AGGREGATE FINISH
400X900 CIS REINFORCED CONCRETE COLUMN WITH EXPOSED AGGREGATE FINISH

DRAINAGE

RWP FROM COLUMN C3 AND C6 TO SHARED DRAIN LEADING TO SLUMP PUMP. SLUMP PUMP TO MAINS SURFACE WATER SEWER PIPE.



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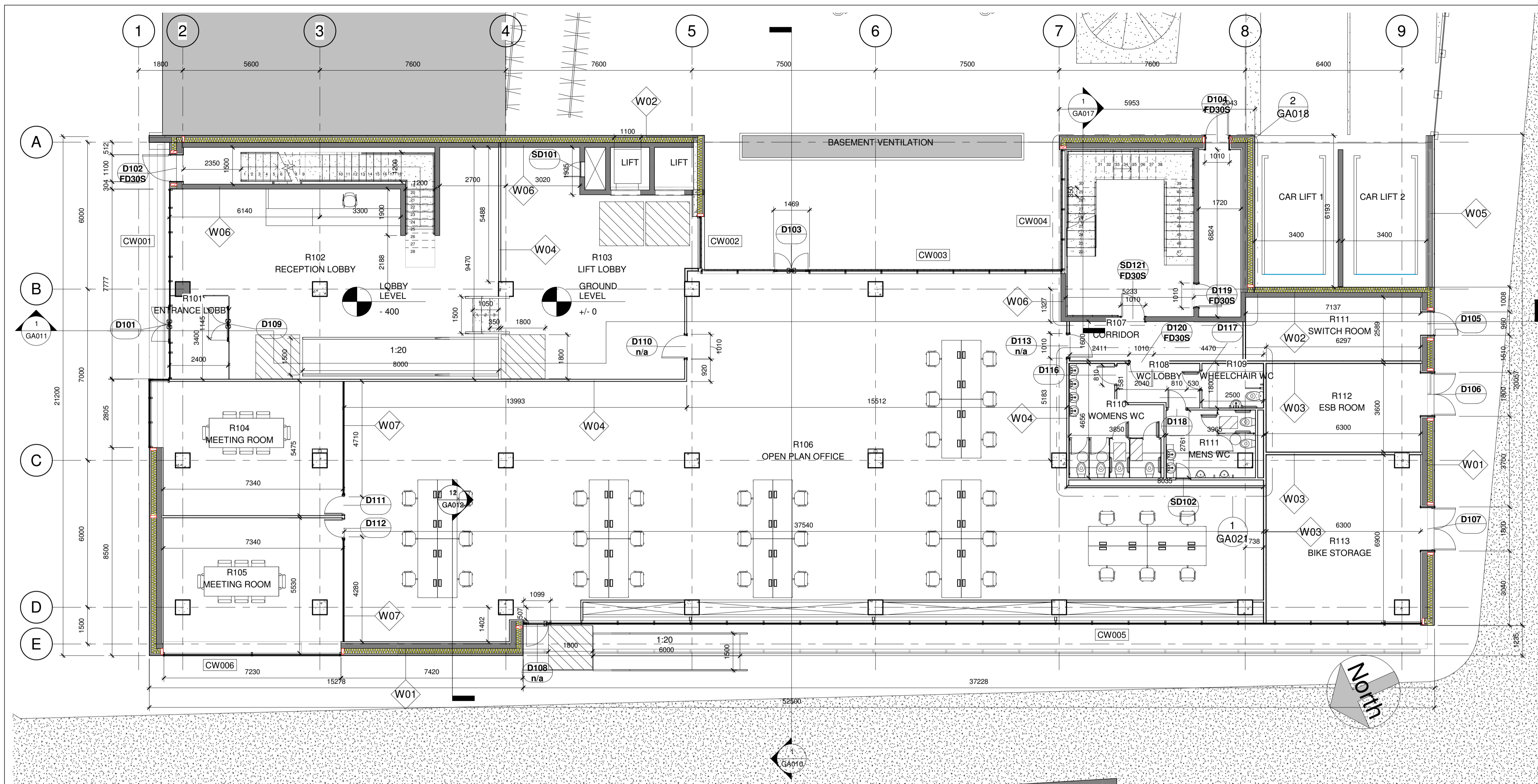
PROJECT

GA Drawings + Details

TITLE

Basement Plan

DRAWN BY Kelvin Higgins	STUDENT NO. Designer	DATE 02/20/23
SCALE (@ A1) As indicated	PROJECT NUMBER 03	
DRAWING NUMBER GA002		REV



DOOR NAME	DOOR LOCATION	PLAN	ELEVATION
ACCESS PANELS DIRECT - FIRE RATED ACCESS PANEL	SD101 SD102		
KAWNEER AA720 - OPEN IN DOUBLE DOOR	D101 D103 D109		
CS ACROVYN® DOORSET - DOUBLE WITHOUT VISION PANELS	D106 D107		
CS ACROVYN® DOORSET - SINGLE WITH TYPE VP4 VISION PANEL	D110 D111 D112 D119		
CS ACROVYN® DOORSET - SINGLE WITHOUT VISION PANELS	D120 D117 D118 D116		
Asa Ablox BE Emergency Exit Door	D102 D104		

1 01 Ground Floor
1 : 100

NAME	SECTION	DETAILS
W01 RAINSCREEN WALL (BLOCK INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 215x400x100MM KILSAREN MEDIUM DENSITY CONCRETE BLOCKS PLACED BLOCK ON FLAT. 6MM GYPROC AIRTITE QUIET PARGE COAT APPLIED TO BLOCKWORK. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W02 RAINSCREEN WALL (CONCRETE INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 200MM C30 REINFORCED CONCRETE INFILL WALL. 6MM GYPROC AIRTITE QUIET PARGE COAT APPLIED TO PRECAST WALL. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W03 GYPROC PARTITION WALL (X606A005)		60 MIN FIRE RATING 2MM GYPROC SKIMCOAT FINISH ON 15MM GYPROC WALLBOARD ON 12.5MM WITH STAGGERED JOINTS ON RIGIDUR H WALLBOARD ON 12.5MM GYFRAME 70 S 60 °C STUD 15MM GYPROC WALLBOARD WITH STAGGERED JOINTS ON 12.5MM RIGIDUR H WITH 2MM GYPROC SKIMCOAT FINISH
W04 GYPROC PARTITION WALL (A206164)		30 MINUTE FIRE RATING 2MM GYPROC SKIMCOAT FINISH GYPROC WALLBOARD 12.5MM GYFRAME 70 S 60 °C STUD GYPROC WALLBOARD 12.5MM 2MM GYPROC SKIMCOAT FINISH
W05 CIS WALL WITH EXTERNAL FINISH		60 MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO 200MM C30 GRADE CONCRETE CAST IN SITU WALL WITH 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM VIA ELEMENTAL F1 RAINSCREEN BRACKETS
W06 CIS WALL WITH PASTER FINISH		60 MINUTE FIRE RATING 6MM GYPROC SOUNDBLOC PARGE COAT WITH 6MM GYPROC CARLITE PLASTER FINISH ON 200MM C30 GRADE CONCRETE CAST IN SITU WALL
W07 GLAZED PARTITION WALL		PLANET SYSTEMS 55MM INTERNAL DOUBLE GLAZED PARTITION WALL FIRE RATED FOR 30MINUTES

LEGEND	
WHEEL CHAIR CLEAR AREA 1800x1800	
WHEELCHAIR REFUGE 1400x900	
SERVICE SHAFT	
CURTAIN WALL TAG	CW###
ROOM NUMBER TAG	R###
DOOR NUMBER TAG	D###
FIRE DOOR RATING TAG	FD###
SERVICE DOOR TAG	SD###
WALL TAG	W##

LOBBY FLOOR BUILD UP: U-VALUE 0.12 W/m²K

GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON 50MM CIS CONCRETE SCREED WITH FLOAT FINISH ON 100MM XTRATHERM THIN-R RIGID INSULATION ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH

GROUND FLOOR: BUILDUP U-VALUE 0.12 W/m²K


GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 100MM XTRATHERM THIN-R RIGID INSULATION ON 675MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT

CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K

SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C

COLUMNS

600X600 CIS REINFORCED CONCRETE COLUMN WITH 12.5MM GYPROC PLASTERBOARD FINISH WITH 2MM SKIMCOAT



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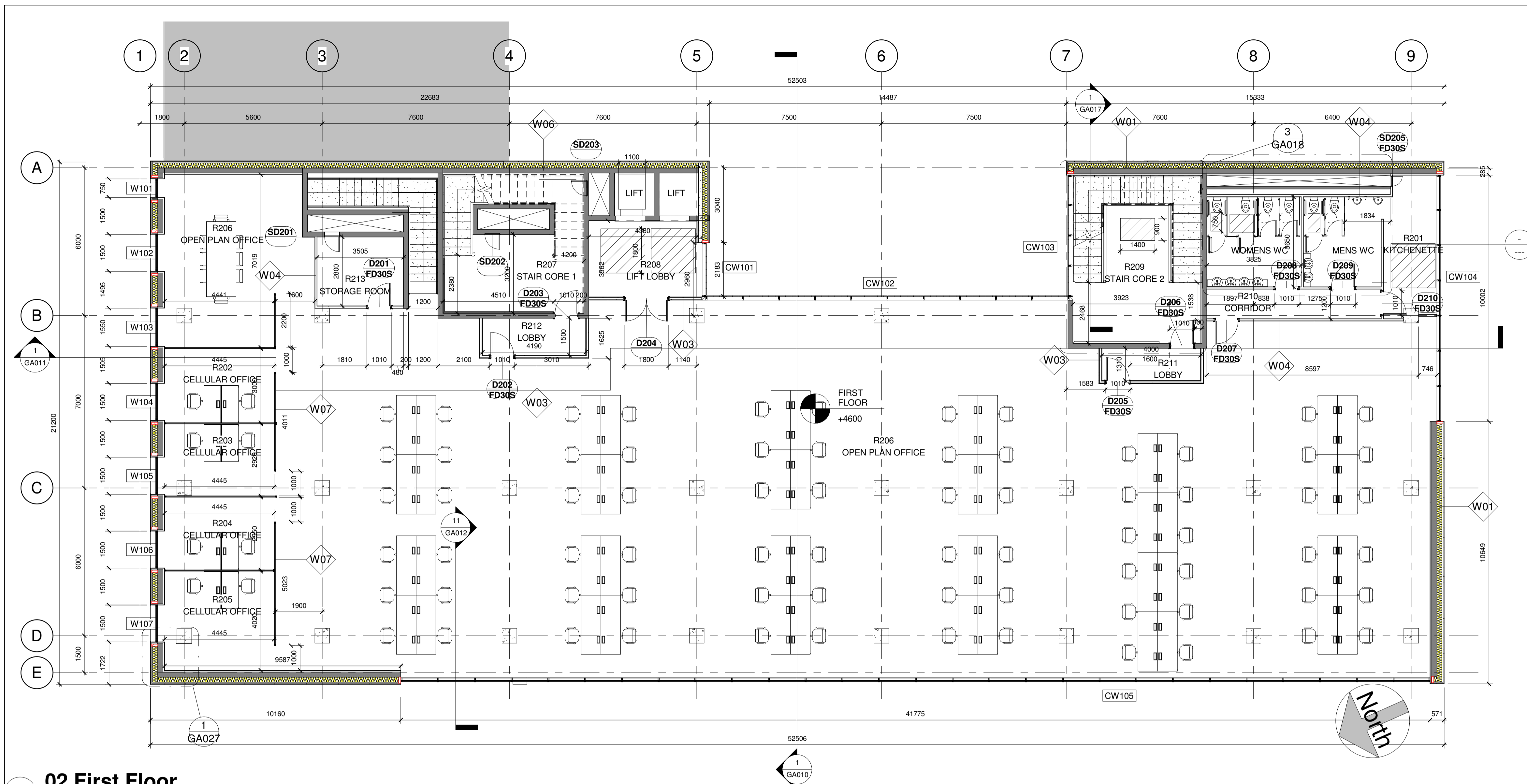
PROJECT

GA Drawings + Details

TITLE

Ground Floor

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) As indicated	PROJECT NUMBER 03	
DRAWING NUMBER GA003		REV



DOOR NAME	DOOR LOCATION	PLAN	ELEVATION
ACCESS PANELS DIRECT - FIRE RATED ACCESS PANEL	SD201 SD202 SD203 SD204 SD205		
CS ACROVYN® DOORSET - DOUBLE WITH VP08 VISION PANELS	D204		
CS ACROVYN® DOORSET - DOUBLE WITHOUT VISION PANELS	N/A		
CS ACROVYN® DOORSET - SINGLE WITH TYPE VP4 VISION PANEL	D202 D203 D205 D206 D207 D210		
CS ACROVYN® DOORSET - SINGLE WITHOUT VISION PANELS	D201 D208 D209		
KAWNEER AA720 CW OPEN OUT SINGLE LEAF DOORSET	N/A		

1 02 First Floor
1 : 100

NAME	SECTION	DETAILS
W01 RAINSCREEN WALL (BLOCK INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 215X400X100MM KILSAREN MEDIUM DENSITY CONCRETE BLOCKS PLACED BLOCK ON FLAT. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO BLOCKWORK. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W02 RAINSCREEN WALL (CONCRETE INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 200MM C30 REINFORCED CONCRETE INFILL WALL. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO PRECAST WALL. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W03 GYPROC PARTITION WALL (XG06A005)		60 MIN FIRE RATING 2MM GYPROC SKIMCOAT FINISH ON 15MM GYPROC WALLBOARD ON 12.5MM WITH STAGGERED JOINTS ON RIGIDUR H WALLBOARD ON 12.5MM GYPPFRAME 70 S 60 °C STUD 15MM GYPROC WALLBOARD WITH STAGGERED JOINTS ON 12.5MM RIGIDUR H WITH 2MM GYPROC SKIMCOAT FINISH
W04 GYPROC PARTITION WALL (A206164)		30 MINUTE FIRE RATING 2MM GYPROC SKIMCOAT FINISH GYPROC WALLBOARD 12.5MM GYPPFRAME 70 S 60 °C STUD GYPROC WALLBOARD 12.5MM 2MM GYPROC SKIMCOAT FINISH
W05 CIS WALL WITH EXTERNAL FINISH		60 MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO 200MM C30 GRADE CONCRETE CAST IN SITU WALL WITH 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM VIA ELEMENTAL F1 RAINSCREEN BRACKETS
W06 CIS WALL WITH PASTER FINISH		60 MINUTE FIRE RATING 6MM GYPROC SOUNDBLOC PARGEOCOAT WITH 6MM GYPROC CARLITE PLASTER FINISH ON 200MM C30 GRADE CONCRETE CAST IN SITU WALL
W07 GLAZED PARTITION WALL		PLANET SYSTEMS 55MM INTERNAL DOUBLE GLAZED PARTITION WALL FIRE RATED FOR 30MINUTES

LEGEND	
WHEEL CHAIR CLEAR AREA 1800x1800	
WHEELCHAIR REFUGE 1400x900	
SERVICE SHAFT	
CURTAIN WALL TAG	CW###
ROOM NUMBER TAG	R###
DOOR NUMBER TAG	D###
FIRE DOOR RATING TAG	FD###
SERVICE DOOR TAG	SD###
WALL TAG	W##

INTERMEDIATE FLOOR: BUILDUP


GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT

CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K

SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C

COLUMNS

600X600 CIS REINFORCED CONCRETE COLUMN WITH 12.5MM GYPROC PLASTERBOARD FINISH WITH 2MM SKIMCOAT



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PROJECT

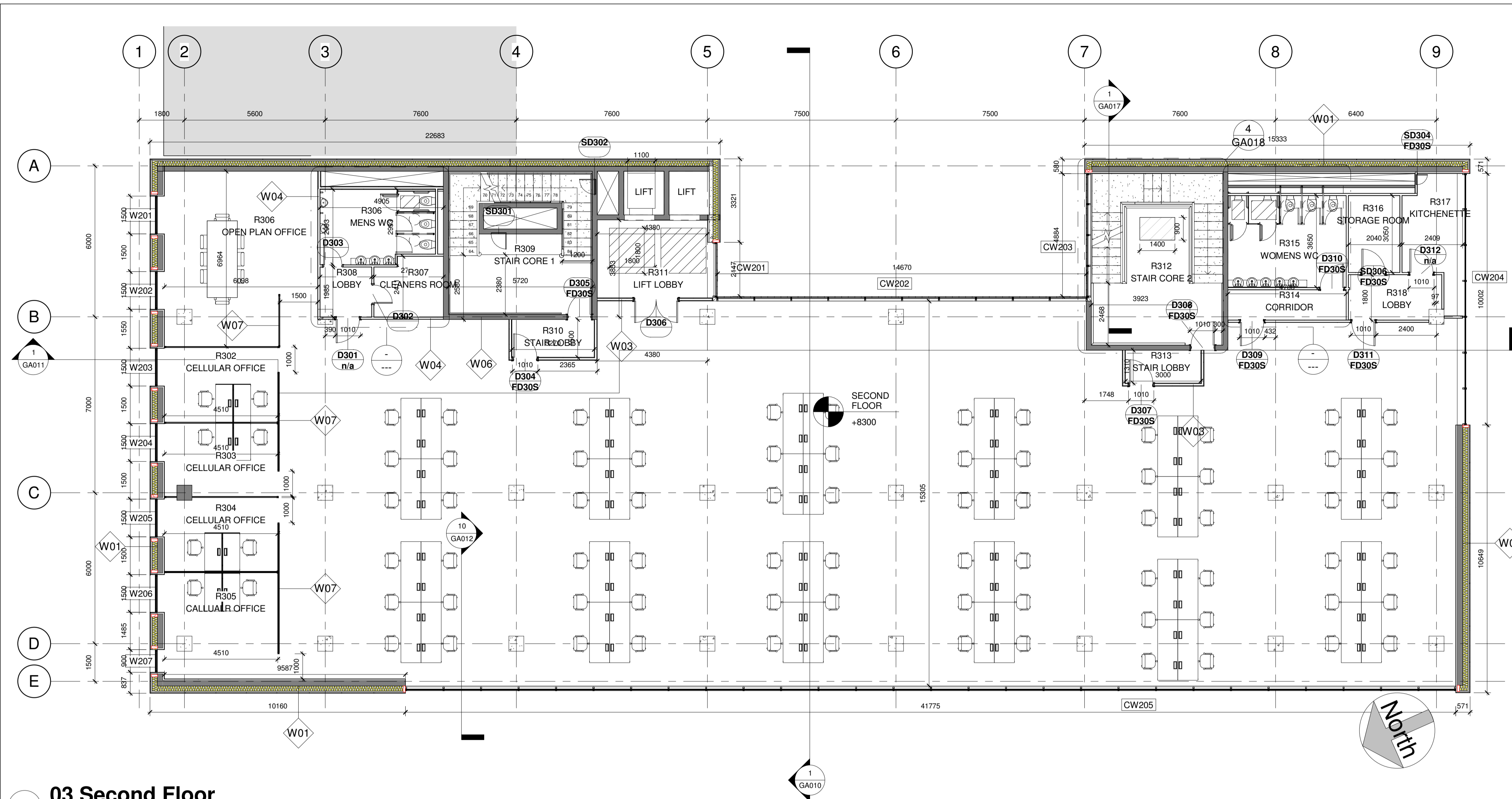
GA Drawings + Details

TITLE

First Floor

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) As indicated	PROJECT NUMBER 03	

DRAWING NUMBER GA004	REV
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1 03 Second Floor
1 : 100

NAME	SECTION	DETAILS
W01 RAINSCREEN WALL (BLOCK INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 215X400X100MM KILSAREN MEDIUM DENSITY CONCRETE BLOCKS PLACED BLOCK ON FLAT. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO BLOCKWORK. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W02 RAINSCREEN WALL (CONCRETE INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 200MM C30 REINFORCED CONCRETE INFILL WALL. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO PRECAST WALL. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W03 GYPROC PARTITION WALL (XG06A005)		60 MIN FIRE RATING 2MM GYPROC SKIMCOAT FINISH ON 15MM GYPROC WALLBOARD ON 12.5MM WITH STAGGERED JOINTS ON RIGIDUR H WALLBOARD ON 12.5MM GYPPFRAME 70 S 60 °C STUD 15MM GYPROC WALLBOARD WITH STAGGERED JOINTS ON 12.5MM RIGIDUR H WITH 2MM GYPROC SKIMCOAT FINISH
W04 GYPROC PARTITION WALL (A206164)		30 MINUTE FIRE RATING 2MM GYPROC SKIMCOAT FINISH GYPROC WALLBOARD 12.5MM GYPPFRAME 70 S 60 °C STUD GYPROC WALLBOARD 12.5MM 2MM GYPROC SKIMCOAT FINISH
W05 CIS WALL WITH EXTERNAL FINISH		60 MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO 200MM C30 GRADE CONCRETE CAST IN SITU WALL WITH 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM VIA ELEMENTAL F1 RAINSCREEN BRACKETS
W06 CIS WALL WITH PASTER FINISH		60 MINUTE FIRE RATING 6MM GYPROC SOUNDBLOC PARGEOCOAT WITH 6MM GYPROC CARLITE PLASTER FINISH ON 200MM C30 GRADE CONCRETE CAST IN SITU WALL
W07 GLAZED PARTITION WALL		PLANET SYSTEMS 55MM INTERNAL DOUBLE GLAZED PARTITION WALL FIRE RATED FOR 30MINUTES

LEGEND	
WHEEL CHAIR CLEAR AREA 1800x1800	
WHEELCHAIR REFUGE 1400x900	
SERVICE SHAFT	
CURTAIN WALL TAG	CW###
ROOM NUMBER TAG	R###
DOOR NUMBER TAG	D###
FIRE DOOR RATING TAG	FD###
SERVICE DOOR TAG	SD###
WALL TAG	W##

INTERMEDIATE FLOOR: BUILDUP

GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT


CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K

SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C

COLUMNS
600X600 CIS REINFORCED CONCRETE COLUMN WITH 12.5MM GYPROC PLASTERBOARD FINISH WITH 2MM SKIMCOAT

DOOR NAME	DOOR LOCATION	PLAN	ELEVATION
ACCESS PANELS DIRECT - FIRE RATED ACCESS PANEL	SD301 SD302 SD303 SD304 SD305		
CS ACROVYN® DOORSET - DOUBLE WITH VP08 VISION PANELS	D306		
CS ACROVYN® DOORSET - DOUBLE WITHOUT VISION PANELS	N/A		
CS ACROVYN® DOORSET - SINGLE WITH TYPE VP4 VISION PANEL	D303 D305 D307 D208 D309 D311		
CS ACROVYN® DOORSET - SINGLE WITHOUT VISION PANELS	D301 D302 D303 D306 D310		
KAWNEER AA720 CW OPEN OUT SINGLE LEAF DOORSET	N/A		

WINDOW NAME	WINDOW LOCATION	PLAN	ELEVATION
SCHUCO ALUMINIUM FAÇADE WINDOW SYSTEM - AWS114 5G	W301 W302 W303 W304 W305 W306 W307		



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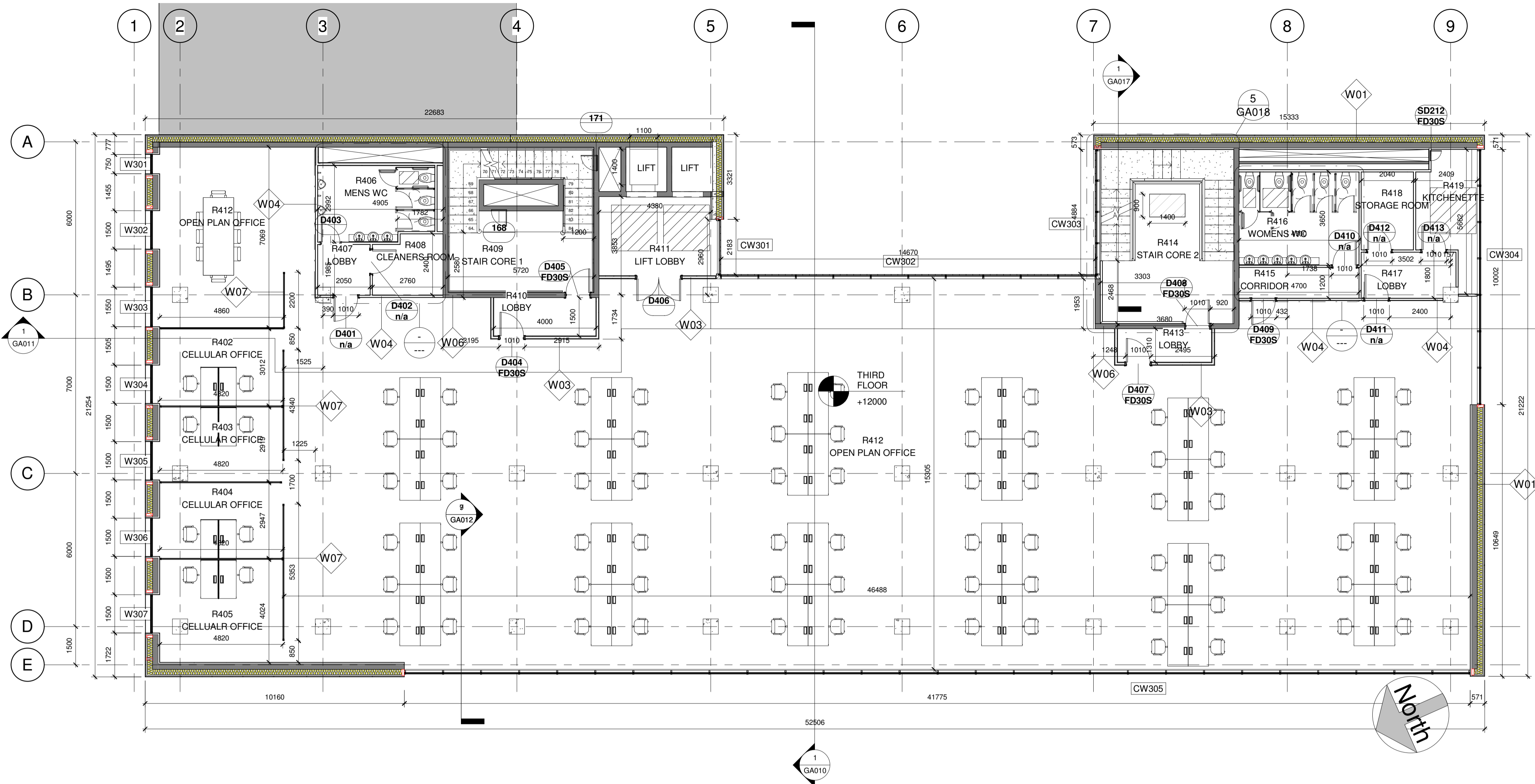
PROJECT

GA Drawings + Details

TITLE

Second Floor

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) As indicated	PROJECT NUMBER 03	
DRAWING NUMBER GA005		REV



DOOR NAME	DOOR LOCATION	PLAN	ELEVATION
ACCESS PANELS DIRECT - FIRE RATED ACCESS PANEL	SD401 SD402 SD403 SD404 SD405		
CS ACROVYN® DOORSET - DOUBLE WITH VP08 VISION PANELS	D406		
CS ACROVYN® DOORSET - DOUBLE WITHOUT VISION PANELS	N/A		
CS ACROVYN® DOORSET - SINGLE WITH TYPE VP4 VISION PANEL	D401 D404 D405 D407 D408 D409 D411 D413		
CS ACROVYN® DOORSET - SINGLE WITHOUT VISION PANELS	D402 D403 D410 D412		
KAWNEER AA720 CW OPEN OUT SINGLE LEAF DOORSET	N/A		

WINDOW NAME	WINDOW LOCATION	PLAN	ELEVATION
SCHUCO ALUMINIUM FACADE WINDOW SYSTEM - AWS114 SG	W301 W302 W303 W304 W305 W306 W307		

1 04 Third Floor
1 : 100

NAME	SECTION	DETAILS
W01 RAINSCREEN WALL (BLOCK INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 215X400X100MM KILSAREN MEDIUM DENSITY CONCRETE BLOCKS PLACED BLOCK ON FLAT. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO BLOCKWORK. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W02 RAINSCREEN WALL (CONCRETE INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 200MM C30 REINFORCED CONCRETE INFILL WALL. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO PRECAST WALL. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W03 GYPROC PARTITION WALL (XG06A005)		60 MIN FIRE RATING 2MM GYPROC SKIMCOAT FINISH ON 15MM GYPROC WALLBOARD ON 12.5MM WITH STAGGERED JOINTS ON RIGIDUR H WALLBOARD ON 12.5MM GYPPFRAME 70 S 60 °C STUD 15MM GYPROC WALLBOARD WITH STAGGERED JOINTS ON 12.5MM RIGIDUR H WITH 2MM GYPROC SKIMCOAT FINISH
W04 GYPROC PARTITION WALL (A206164)		30 MINUTE FIRE RATING 2MM GYPROC SKIMCOAT FINISH GYPROC WALLBOARD 12.5MM GYPPFRAME 70 S 60 °C STUD GYPROC WALLBOARD 12.5MM 2MM GYPROC SKIMCOAT FINISH
W05 CIS WALL WITH EXTERNAL FINISH		60 MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO 200MM C30 GRADE CONCRETE CAST IN SITU WALL WITH 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM VIA ELEMENTAL F1 RAINSCREEN BRACKETS
W06 CIS WALL WITH PASTER FINISH		60 MINUTE FIRE RATING 6MM GYPROC SOUNDBLOC PARGEOCOAT WITH 6MM GYPROC CARLITE PLASTER FINISH ON 200MM C30 GRADE CONCRETE CAST IN SITU WALL
W07 GLAZED PARTITION WALL		PLANET SYSTEMS 55MM INTERNAL DOUBLE GLAZED PARTITION WALL FIRE RATED FOR 30MINUTES

LEGEND	
WHEEL CHAIR CLEAR AREA 1800x1800	
WHEELCHAIR REFUGE 1400x900	
SERVICE SHAFT	
CURTAIN WALL TAG	CW###
ROOM NUMBER TAG	R###
DOOR NUMBER TAG	D###
FIRE DOOR RATING TAG	FD###
SERVICE DOOR TAG	SD###
WALL TAG	W##

INTERMEDIATE FLOOR: BUILDUP


GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT

CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K

SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C

COLUMNS

600X600 CIS REINFORCED CONCRETE COLUMN WITH 12.5MM GYPROC PLASTERBOARD FINISH WITH 2MM SKIMCOAT



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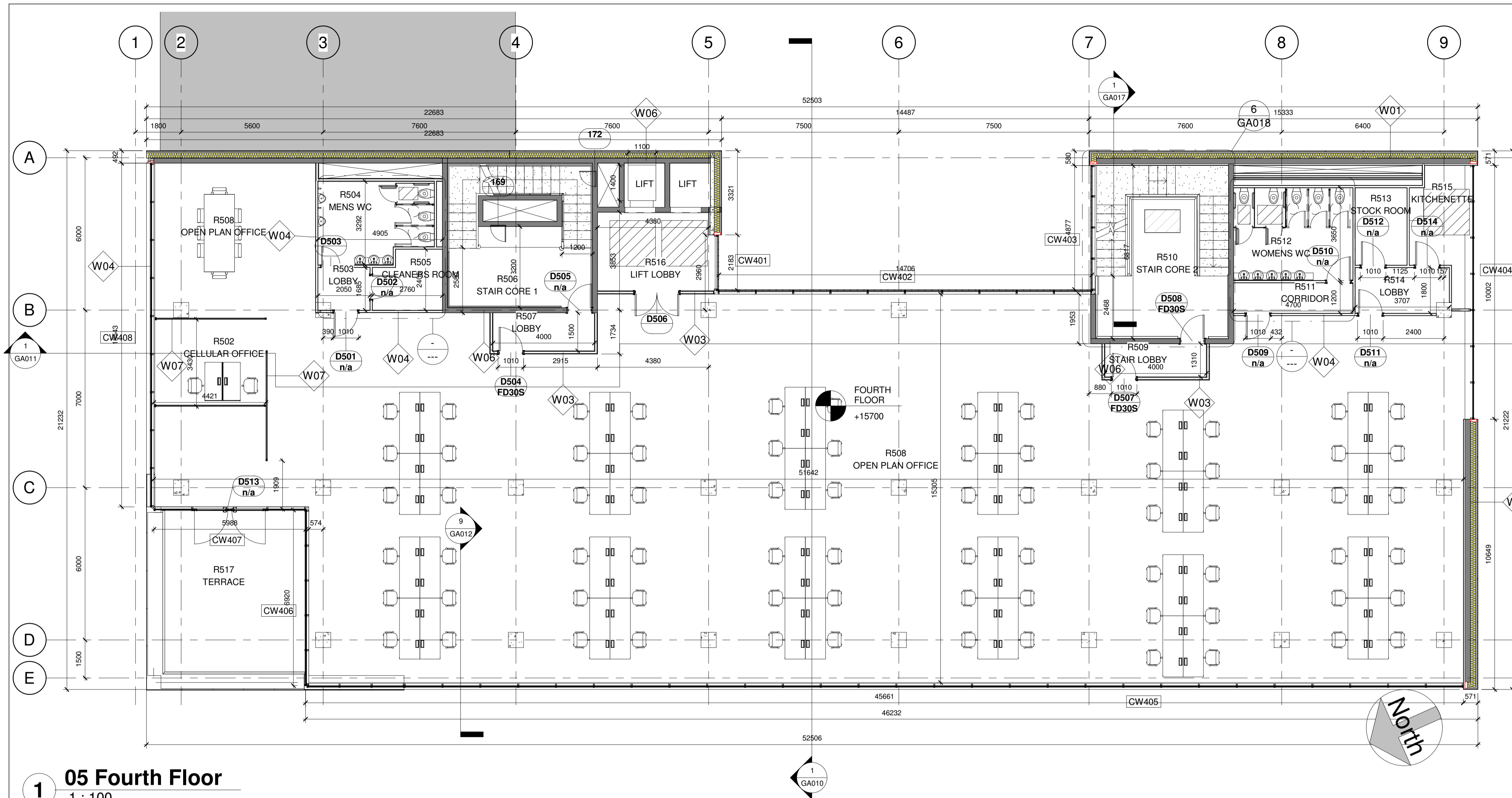
PROJECT

GA Drawings + Details

TITLE

Third Floor

DRAWN BY Kelvin Higgins	STUDENT NO. R01021607	DATE 05/03/23
SCALE (@ A1) As indicated	PROJECT NUMBER 03	
DRAWING NUMBER GA006		REV



1 05 Fourth Floor
1 : 100

DOOR NAME	DOOR LOCATION	PLAN	ELEVATION
ACCESS PANELS DIRECT - FIRE RATED ACCESS PANEL	SD501 SD502		
KAWNEER AA720 - OPEN IN DOUBLE DOOR	D513		
CS ACROVYN® DOORSET DOUBLE WITHOUT VISION PANELS	N/A		
CS ACROVYN® DOORSET SINGLE WITH TYPE VP4 VISION PANEL	D504 D505 D507 D509 D511 D514		
CS ACROVYN® DOORSET SINGLE WITHOUT VISION PANELS	D501 D503 D510 D512		
Assa Ablox BE Emergency Exit Door	N/A		

NAME	SECTION	DETAILS
W01 RAINSCREEN WALL (BLOCK INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 215X400X100MM KILSAREN MEDIUM DENSITY CONCRETE BLOCKS PLACED BLOCK ON FLAT. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO BLOCKWORK. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W02 RAINSCREEN WALL (CONCRETE INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 200MM C30 REINFORCED CONCRETE INFILL WALL. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO PRECAST WALL. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W03 GYPROC PARTITION WALL (XG06A005)		60 MIN FIRE RATING 2MM GYPROC SKIMCOAT FINISH ON 15MM GYPROC WALLBOARD ON 12.5MM WITH STAGGERED JOINTS ON RIGIDUR H WALLBOARD ON 12.5MM GYPPFRAME 70 S 60 °C STUD 15MM GYPROC WALLBOARD WITH STAGGERED JOINTS ON 12.5MM RIGIDUR H WITH 2MM GYPROC SKIMCOAT FINISH
W04 GYPROC PARTITION WALL (A206164)		30 MINUTE FIRE RATING 2MM GYPROC SKIMCOAT FINISH GYPROC WALLBOARD 12.5MM GYPPFRAME 70 S 60 °C STUD GYPROC WALLBOARD 12.5MM 2MM GYPROC SKIMCOAT FINISH
W05 CIS WALL WITH EXTERNAL FINISH		60 MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO 200MM C30 GRADE CONCRETE CAST IN SITU WALL WITH 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM VIA ELEMENTAL F1 RAINSCREEN BRACKETS
W06 CIS WALL WITH PASTER FINISH		60 MINUTE FIRE RATING 6MM GYPROC SOUNDBLOC PARGEOCOAT WITH 6MM GYPROC CARLITE PLASTER FINISH ON 200MM C30 GRADE CONCRETE CAST IN SITU WALL
W07 GLAZED PARTITION WALL		PLANET SYSTEMS 55MM INTERNAL DOUBLE GLAZED PARTITION WALL FIRE RATED FOR 30MINUTES

LEGEND	
WHEEL CHAIR CLEAR AREA 1800x1800	
WHEELCHAIR REFUGE 1400x900	
SERVICE SHAFT	
CURTAIN WALL TAG	CW###
ROOM NUMBER TAG	R###
DOOR NUMBER TAG	D###
FIRE DOOR RATING TAG	FD###
SERVICE DOOR TAG	SD###
WALL TAG	W###

INTERMEDIATE FLOOR: BUILDUP

GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT

CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K


SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C

COLUMNS

600X600 CIS REINFORCED CONCRETE COLUMN WITH 12.5MM GYPROC PLASTERBOARD FINISH WITH 2MM SKIMCOAT

TERRACE FLOOR BUILDUP U-VALUE 0.11 W/m²K

600X600 TOBERMORE PAVING FLAGS COLOUR BUFF ON HARMER MODULOCK PEDESTAL RAISED DECK SUPPORT PLACED ON SARNAPAD PAVING SUPPORT PAD ON SIKA S-FELT T-300 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING CONCRET SCREED ON 275MM CIS REINFORCED CONCRETE SLAB



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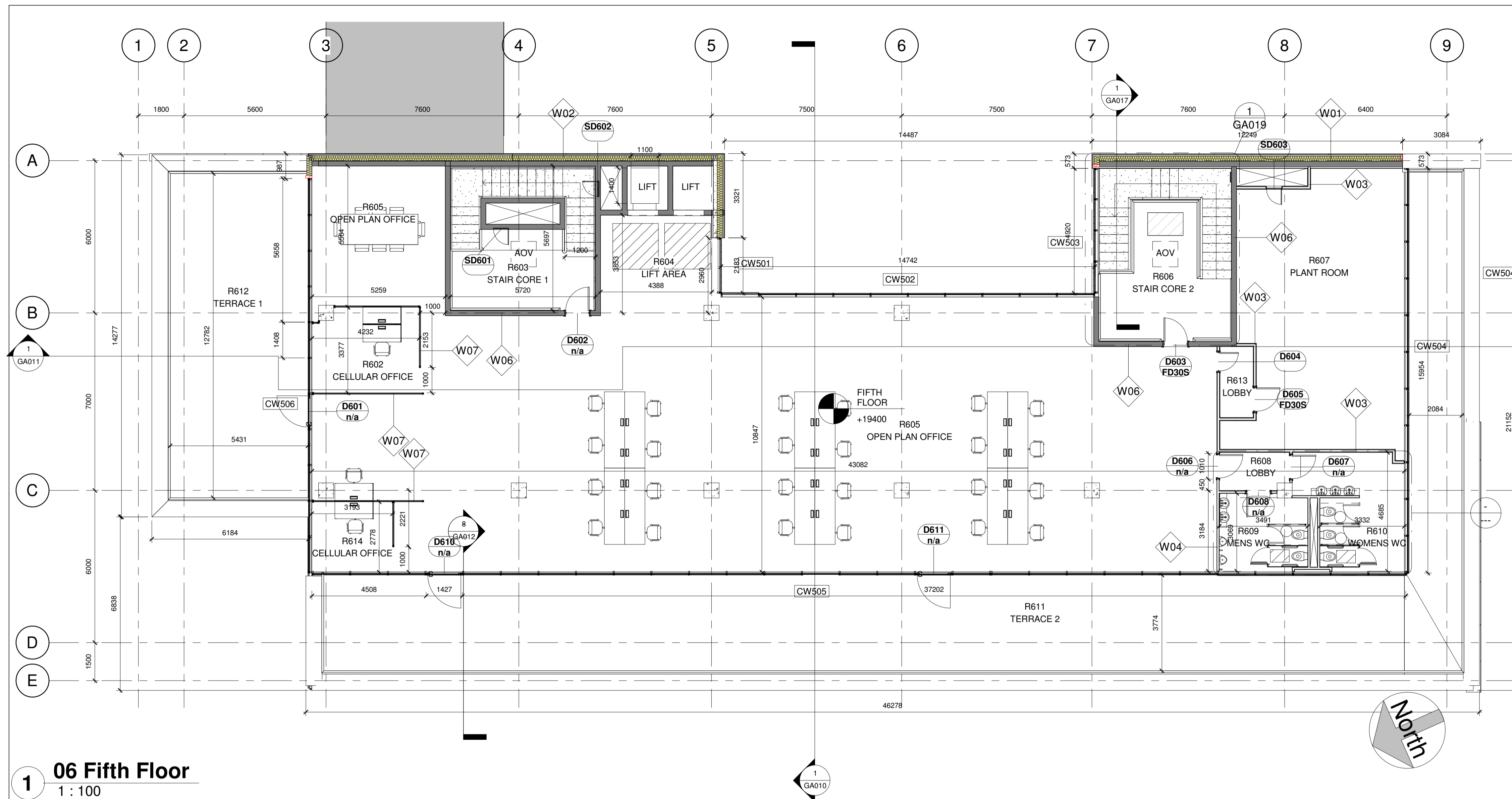
PROJECT

GA Drawings + Details

TITLE

Fourth Floor

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) As indicated	PROJECT NUMBER 03	
DRAWING NUMBER GA007		REV



1 06 Fifth Floor
1 : 100

DOOR NAME	DOOR LOCATION	PLAN	ELEVATION
ACCESS PANELS DIRECT - FIRE RATED ACCESS PANELS	SD601 SD602 SD603		
CS ACROVYN® DOORSET - DOUBLE WITH VP08 VISION PANELS	N/A		
CS ACROVYN® DOORSET - DOUBLE WITHOUT VISION PANELS	N/A		
CS ACROVYN® DOORSET - SINGLE WITH TYPE VP4 VISION PANEL	D402 D403		
CS ACROVYN® DOORSET - SINGLE WITHOUT VISION PANELS	D604 D605 D606 D607 D608		
KAWNEER AA720 CW OPEN OUT SINGLE LEAF DOORSET	D601 D611		

NAME	SECTION	DETAILS
W01 RAINSCREEN WALL (BLOCK INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 215x400x100MM KILSAREN MEDIUM DENSITY CONCRETE BLOCKS PLACED BLOCK ON FLAT. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO BLOCKWORK. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W02 RAINSCREEN WALL (CONCRETE INFILL)		U-VALUE: 0.15 W/m²K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 200MM C30 REINFORCED CONCRETE INFILL WALL. 6MM GYPROC AIRITTE QUIET PARGE COAT APPLIED TO PRECAST WALL. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W03 GYPROC PARTITION WALL (XG06A005)		60 MIN FIRE RATING 2MM GYPROC SKIMCOAT FINISH ON 15MM GYPROC WALLBOARD ON 12.5MM WITH STAGGERED JOINTS ON RIGIDUR H WALLBOARD ON 12.5MM GYPPFRAME 70 S 60 °C STUD 15MM GYPROC WALLBOARD WITH STAGGERED JOINTS ON 12.5MM RIGIDUR H WITH 2MM GYPROC SKIMCOAT FINISH
W04 GYPROC PARTITION WALL (A206164)		30 MINUTE FIRE RATING 2MM GYPROC SKIMCOAT FINISH GYPROC WALLBOARD 12.5MM GYPPFRAME 70 S 60 °C STUD GYPROC WALLBOARD 12.5MM 2MM GYPROC SKIMCOAT FINISH
W05 CIS WALL WITH EXTERNAL FINISH		60 MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO 200MM C30 GRADE CONCRETE CAST IN SITU WALL WITH 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM VIA ELEMENTAL F1 RAINSCREEN BRACKETS
W06 CIS WALL WITH PASTER FINISH		60 MINUTE FIRE RATING 6MM GYPROC SOUNDBLOC PARGEOCOAT WITH 6MM GYPROC CARLITE PLASTER FINISH ON 200MM C30 GRADE CONCRETE CAST IN SITU WALL
W07 GLAZED PARTITION WALL		PLANET SYSTEMS 55MM INTERNAL DOUBLE GLAZED PARTITION WALL FIRE RATED FOR 30MINUTES

LEGEND	
WHEEL CHAIR CLEAR AREA 1800x1800	
WHEELCHAIR REFUGE 1400x900	
SERVICE SHAFT	
CURTAIN WALL TAG	CW###
ROOM NUMBER TAG	R###
DOOR NUMBER TAG	D###
FIRE DOOR RATING TAG	FD###
SERVICE DOOR TAG	SD###
WALL TAG	W###

INTERMEDIATE FLOOR: BUILDUP

GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT

CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K

SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C

COLUMNS


600X600 CIS REINFORCED CONCRETE COLUMN WITH 12.5MM GYPROC PLASTERBOARD FINISH WITH 2MM SKIMCOAT

TERRACE FLOOR BUILDUP U-VALUE 0.11 W/m²K

600X600 TOBERMORE PAVING FLAGS COLOUR BUFF ON HARMER MODULOCK PEDESTAL RAISED DECK SUPPORT PLACED ON SARNAPAD PAVING SUPPORT PAD ON SIKA S-FELT T-300 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING CONCRET SCREED ON 275MM CIS REINFORCED CONCRETE SLAB

AOV

1000X1000MM SRH/AOV 140 SMOKE VENTILATOR SURESPAN WITH U-VALUE OF 0.43 W/m²K



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PROJECT

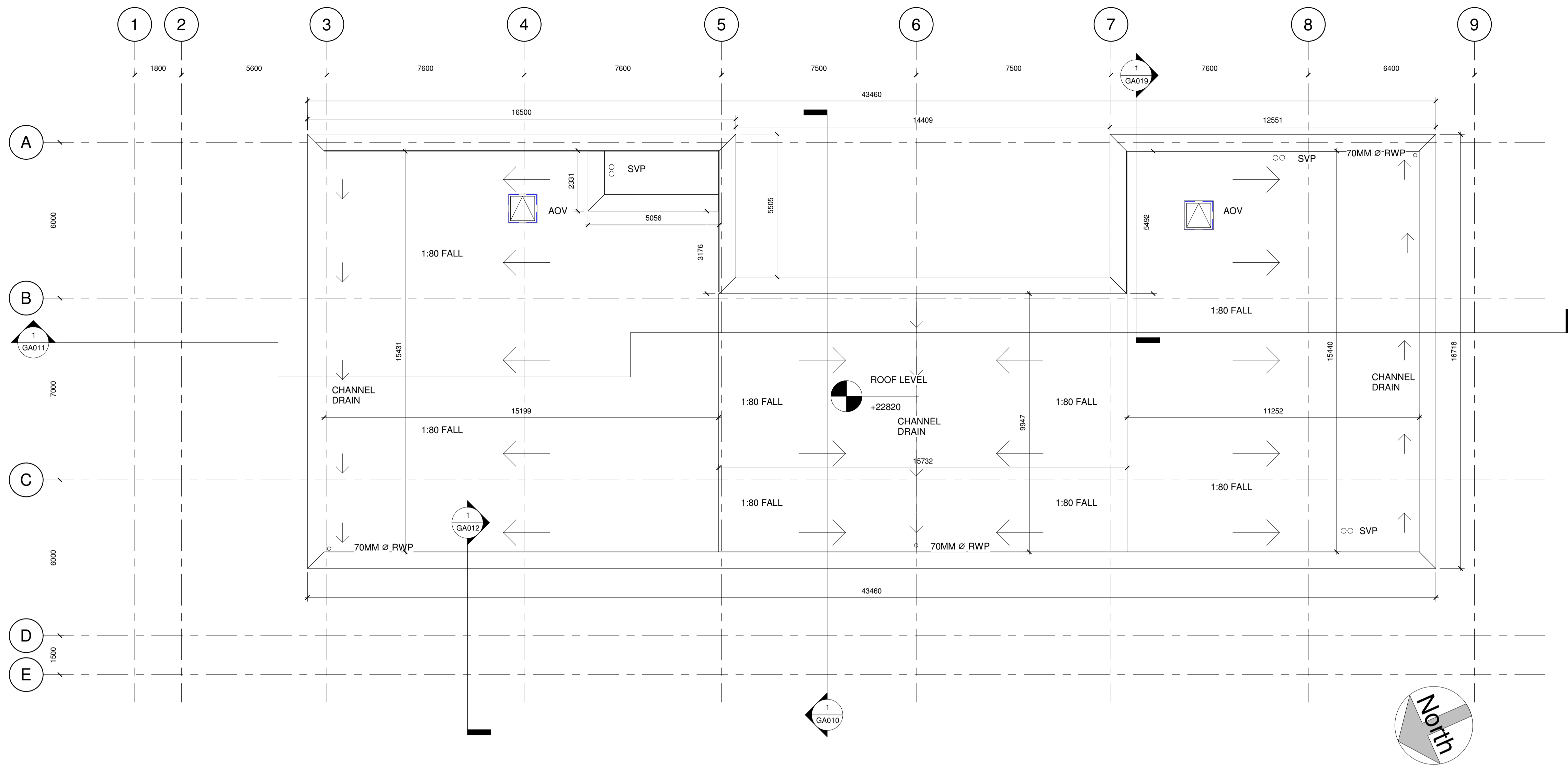
GA Drawings + Details

TITLE

Fifth Floor


DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/2023
SCALE (@ A1) As indicated	PROJECT NUMBER 03	

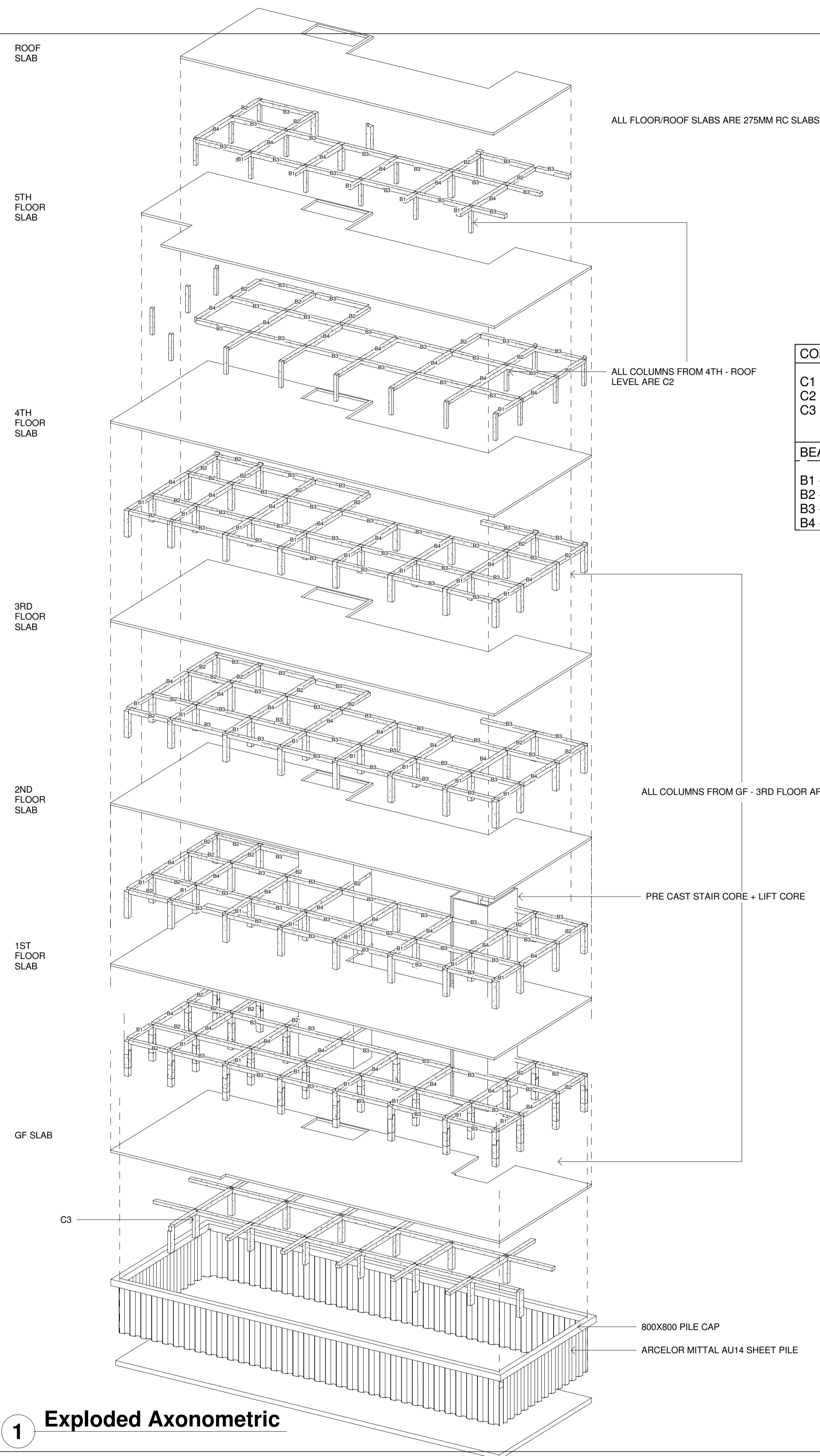
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1 07 Roof Level
1 : 100

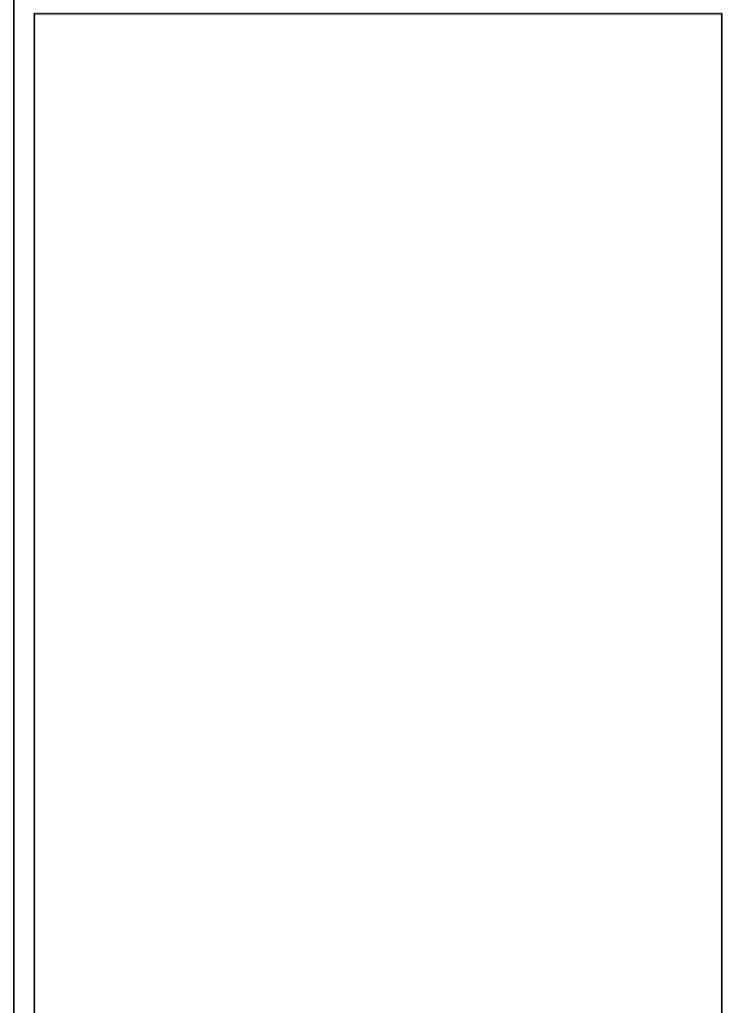
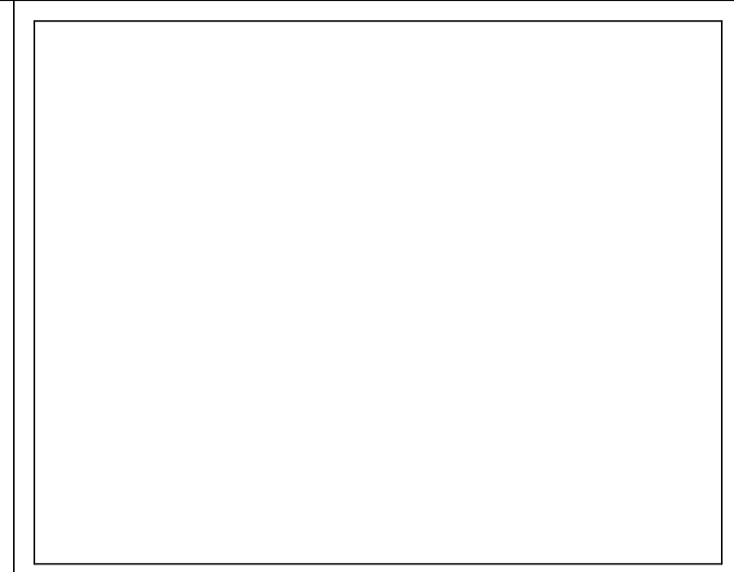
<p>ROOF BUILDUP 0.11 W/m²K</p> <p>30MM LOOSE LIMESTONE GRAVEL ON SIKA S-FELT T-300 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING CONCRET SCREED ON TATA STEEL D100 COMPOSITE DECK WITH 150MM CIS CONCRETE</p>
<p>AOV</p> <p>1000X1000MM SRH/AOV 140 SMOKE VENTILATOR SURESPAN WITH U-VALUE OF 0.43 W/m²K</p>
<p>PARAPET CAPPING</p> <p>ALUPRESS ALUMINIUM CAPPING WITH POLYESTER POWDER COAT FINISH RAL 9004 SIGNAL BLACK.</p>
<p>SVP</p> <p>100MM Ø HARMER SML CAST IRON ABOVE GROUND SVP</p>
<p>RWP</p> <p>70MM ALUMINIUM RAIN WATER PIPE</p>
<p>CHANNEL DRAIN</p> <p>HARMER MODULOCK CHANNEL DRAINS WITH SLOTTED GRATING SLOPING TO HARMER DRAINS AV VERTICAL RAINWATER OUTLETS</p>

 <p>MTU Ollscoil Teicneolaíochta na Mumhan Munster Technological University</p>		
PROJECT		
GA Drawings + Details		
TITLE		
Roof Plan		
DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 100	PROJECT NUMBER 03	
DRAWING NUMBER GA009		REV



COLUMNS	
C1	600X6600
C2	400X400
C3	400X900
BEAMS	
B1	600X350
B2	600X400
B3	600X475
B4	600X500

1 Exploded Axonometric



Rev	Description	Date

CODE	SUITABILITY DESCRIPTION
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STATUS	PURPOSE OF ISSUE
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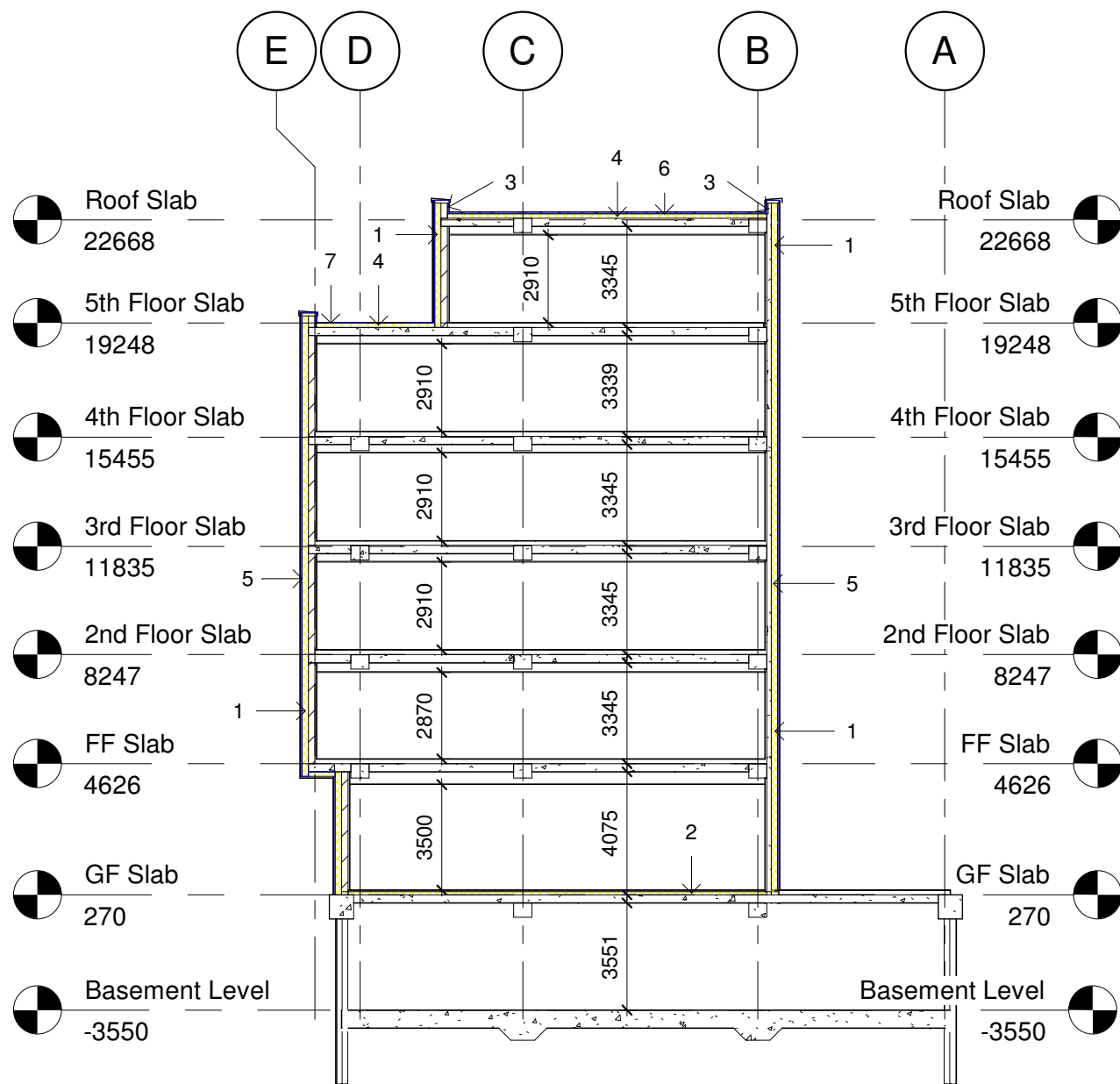
PROJECT
Project 3: Details

TITLE
Explded Axo

CLIENT
Derek O Leary


DRAWN BY Kelvin Higgins@ A1)	CHECKED BY Checker	DATE 11/11/22
PROJECT NUMBER 03		REV

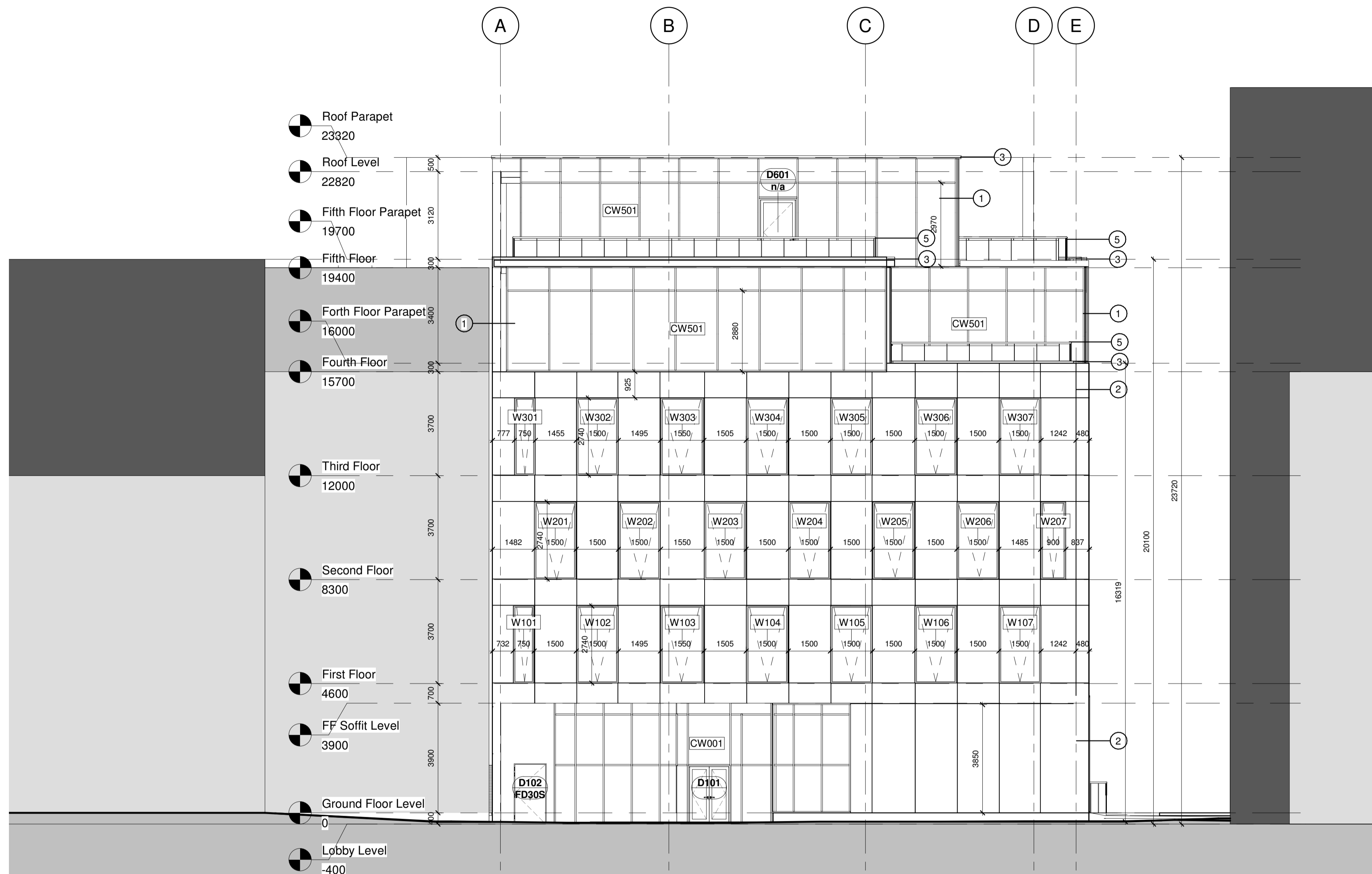
DRAWING NUMBER 1	REV
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LEGEND	
1.	210MM ROCKWOOL RAINSCREEN DUO SLAB
2.	100MM XTRATHERM THIN R INSULATION
3.	100MM SOPREMA ARCTIC C
4.	150MM SIKA SARNATHERM PIR GT
5.	ROCKWOOL ALU-TAPE
6.	SIKA SARNAFIL G10 SINGLE PLY PVC MEMBRANE
7.	SIKA SARNAFIL G410-15 ELF

2 Cross Section
1 : 200

	No.	Description	Date	 www.autodesk.com/revit	PROJECT Project 3: Details	CLIENT Derek O Leary			
					SHEET CROSS SECTION	Date 11/11/22	Project number 03	Scale (@ A3) 1 : 200	
						Drawn by Kelvin Higgins	DRAWING NUMBER 2		REV
						Checked by N.A.			
				CODE	STATUS	SUITABILITY DESCRIPTION	PURPOSE OF ISSUE		



1 North Elevation
1 : 100

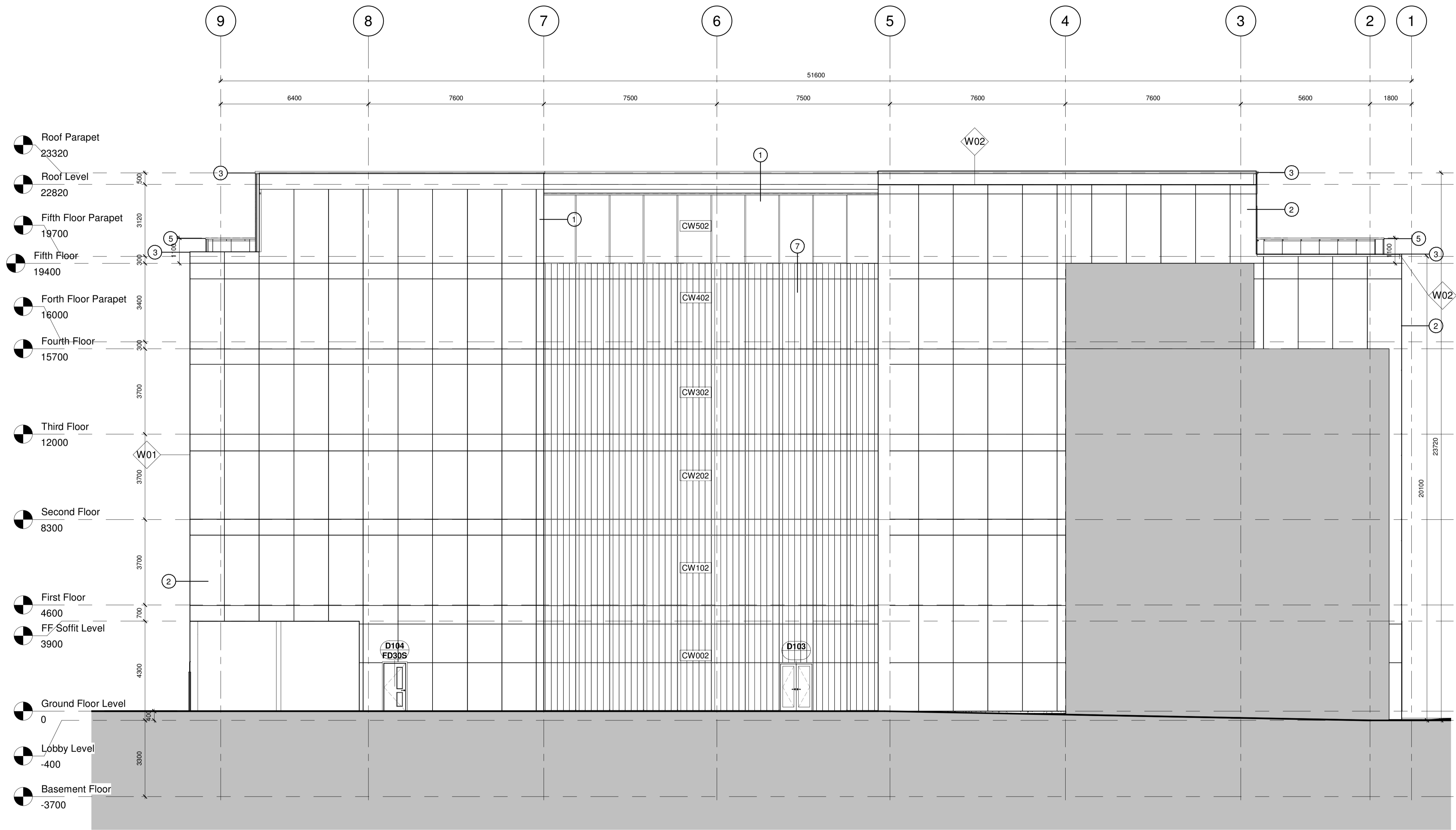
LEGEND	
1	CURTAIN WALL: U-VALUE GLAZING 0.7 W/m ² K SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C
2	RAINSCREEN CLADDING 1500XXX20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS
3	PARAPET CAPPING PRESSED ALUMINIUM PARAPET CAPPING FLASHINGS AND CILLS PROVIDED BY ALUPRESS WITH POLYESTER POWDER COATING WITH RAL 9004 SIGNAL BLACK COLOUR.
5	GUARDING 1100MM GLASS DUARDING WITH ELLIPTICAL STAINSTEEL STEEL TOP RAIL WITH 10MM TOUGHED GLASS PANELS WITH 30MM ROUND STAINLESS TEEL RAILS. GUARDING PROVIDED BY SLIGO GLASS.
6	WINDOWS SCHUCO ALUMINIUM FAÇADE WINDOW SYSTEM - AWS114 SG



PROJECT
GA Drawings + Details

TITLE
North Elevation

DRAWN BY Kelvin Higgins	STUDENT NO. R01021607	DATE 05/03/23
SCALE (@ A1) 1 : 100	PROJECT NUMBER 03	
DRAWING NUMBER GA013		REV

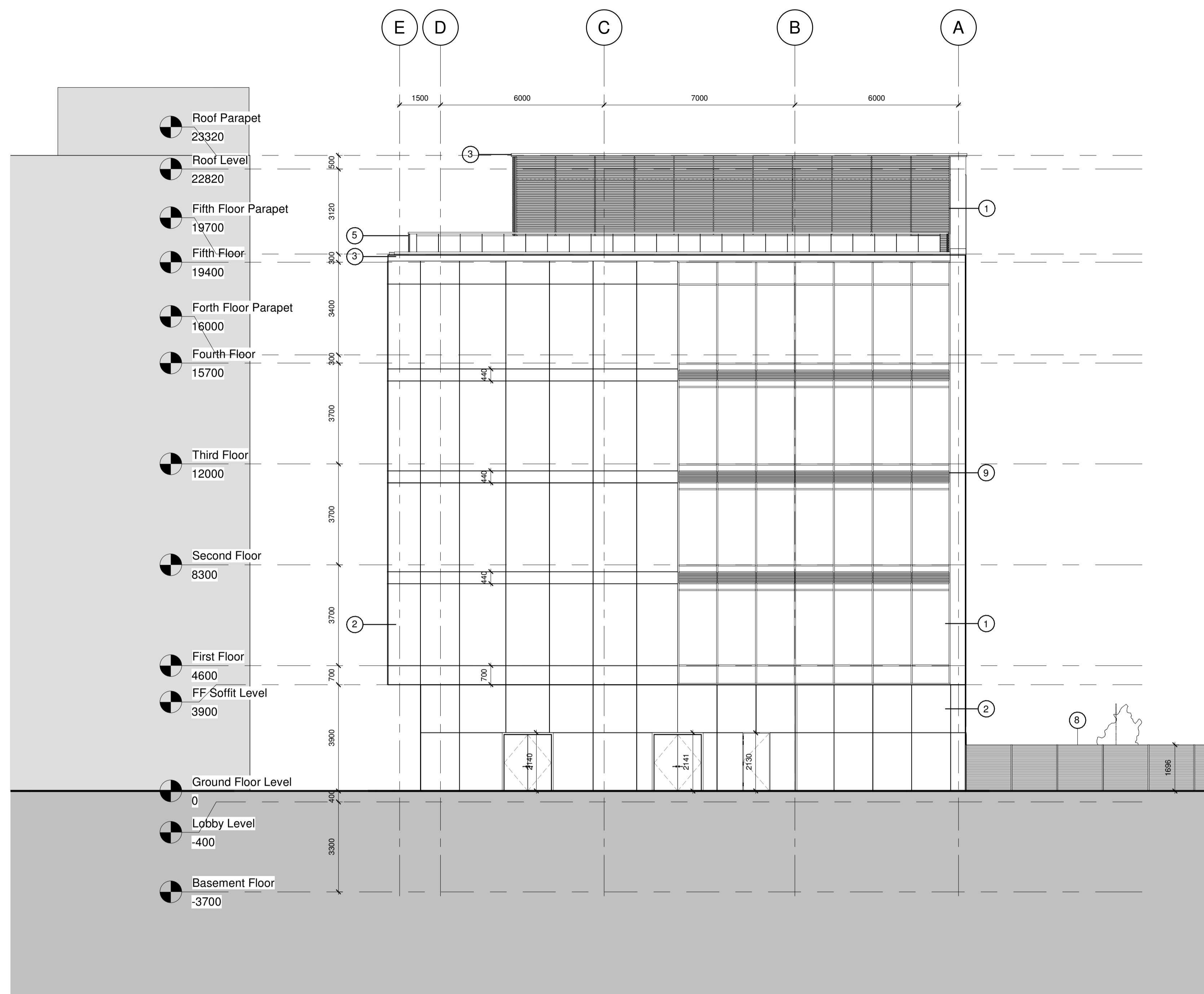


LEGEND	
1	CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500/C
2	RAINSCREEN CLADDING 1500XX20MM ELEMENTAL GFRG IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS
3	PARAPET CAPPING PRESSED ALUMINIUM PARAPET CAPPING FLASHINGS AND CILLS PROVIDED BY ALUPRESS WITH POLYESTER POWDER COATING WITH RAL 9004 SIGNAL BLACK COLOUR.
5	GUARDING 1100MM GLASS DUARDING WITH ELIPTICAL STAINSTEEL STEEL TOP RAIL WITH 10MM TOUGHEDED GLASS PANELS WITH 30MM ROUND STAINLESS STEEL RAILS. GUARDING PROVIDED BY SLIGO GLASS.
6	WINDOWS SCHUCO ALUMINIUM FAÇADE WINDOW SYSTEM - AWS114 SG
7	PILKINGTON FAÇADE PILKINGTON PROFILIT K22 VERTICAL U CHANNEL FAÇADE

1 East Elevation
1 : 100



PROJECT		
GA Drawings + Details		
TITLE		
East Elevation		
DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 100	PROJECT NUMBER 03	
DRAWING NUMBER GA014		REV



LEGEND	
1	CURTAIN WALL - U-VALUE GLAZING 0.7 W/m ² K SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C
2	RAINSCREEN CLADDING 1500XXX20MM ELEMENTAL GFRG IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS
3	PARAPET CAPPING PRESSED ALUMINIUM PARAPET CAPPING FLASHINGS AND CILLS PROVIDED BY ALUPRESS WITH POLYESTER POWDER COATING WITH RAL 9004 SIGNAL BLACK COLOUR.
5	GUARDING 1100MM GLASS DUARDING WITH ELLIPTICAL STAINSTEEL STEEL TOP RAIL WITH 10MM TOUGHED GLASS PANELS WITH 30MM ROUND STAINLESS STEEL RAILS. GUARDING PROVIDED BY SLIGO GLASS.
6	WINDOWS SCHUCO ALUMINIUM FAÇADE WINDOW SYSTEM - AWS114 SG
7	PILKINGTON FAÇADE PILKINGTON PROFILIT K22 VERTICAL U CHANNEL FAÇADE
8	FENCING SECURITY SYSTEM SCREENOGRIL - FENCING SYSTEM CLD PHYSICAL SECURITY SYSTEMS
9	LOUVRE PANEL CONSTRUCTION SPECIALTIES LOUVRES VENTILATION LOUVRE A-4085 PLACED BETWEEN MULLIONS AT LEVELS INDICTED

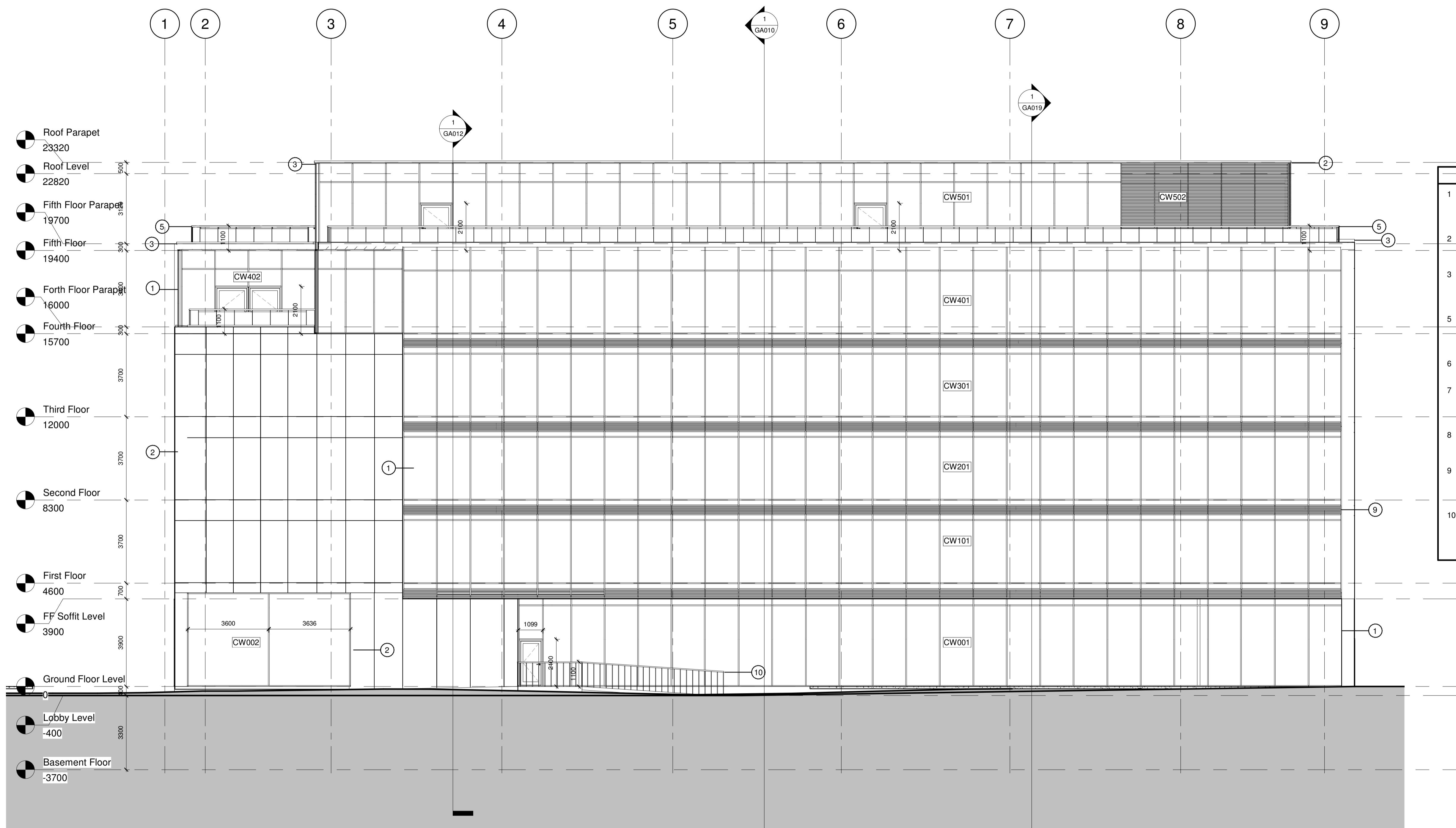
1 South Elevation
1 : 100



PROJECT
GA Drawings + Details

TITLE
South Elevation

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 100	PROJECT NUMBER 03	
DRAWING NUMBER GA015		REV

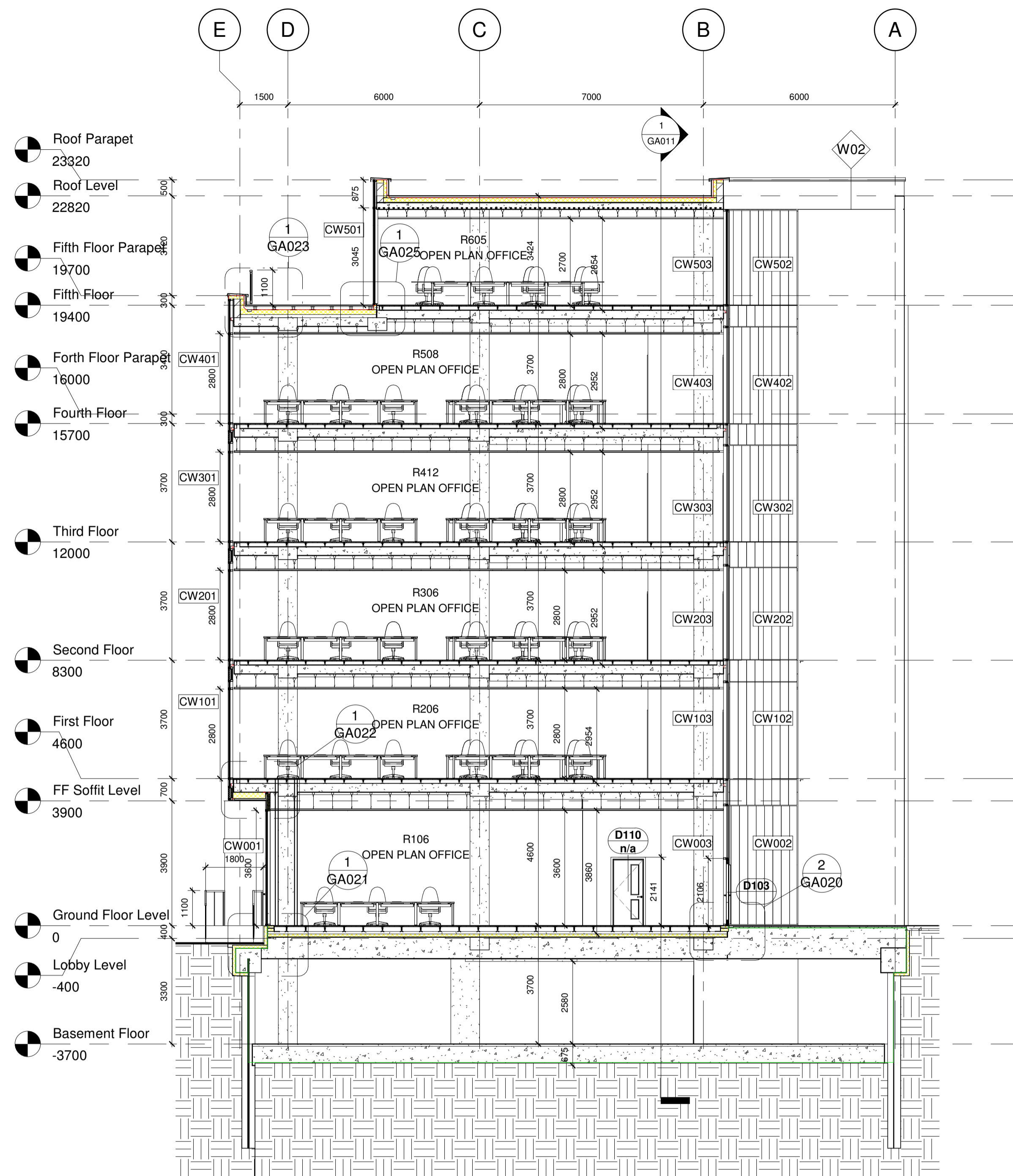


LEGEND	
1	CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C
2	RAINSCREEN CLADDING 1500XX20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS
3	PARAPET CAPPING PRESSED ALUMINIUM PARAPET CAPPING FLASHINGS AND CILLS PROVIDED BY ALUPRESS WITH POLYESTER POWDER COATING WITH RAL 9004 SIGNAL BLACK COLOUR.
5	GUARDING 1100MM GLASS GUARDING WITH ELLIPTICAL STAINLESS STEEL TOP RAIL WITH 10MM TOUGHED GLASS PANELS WITH 30MM ROUND STAINLESS STEEL RAILS. GUARDING PROVIDED BY SLIGO GLASS.
6	WINDOWS SCHUCO ALUMINIUM FAÇADE WINDOW SYSTEM - AWS114 SG
7	PILKINGTON FAÇADE PILKINGTON PROFILIT K22 VERTICAL U CHANNEL FAÇADE
8	FENCING SECURITY SYSTEM SCREENOGRIL - FENCING SYSTEM CLD PHYSICAL SECURITY SYSTEMS
9	LOUVRE PANEL CONSTRUCTION SPECIALTIES LOUVRES VENTILATION LOUVRE A-4085 PLACED BETWEEN MULLIONS AT LEVELS INDICED
10	RAMPED ESCAPE RAILING 1100MM STAINLESS STEEL RAMPED GUARDING RAILS BY METALCRAFT WITH CENTRES AT MANUFACTURERES SPECIFICATIONS ON 1:20 CIS CONCRETE RAMP

1 West Elevation
1 : 100



PROJECT		
GA Drawings + Details		
TITLE		
West Elevation		
DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 100	PROJECT NUMBER 03	
DRAWING NUMBER GA016	REV	



1 Cross Section
1 : 100

ROOF BUILDUP 0.11 W/m²K
 30MM LOOSE LIMESTONE GRAVEL ON SIKA S-FELT T-300
 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL
 POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED
 VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO
 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO
 S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING
 CONCRET SCREED ON TATA STEEL D100 COMPOSITE DECK
 WITH 150MM CIS CONCRETE

PARAPET CAPPING
 ALUPRESS ALUMINIUM CAPPING WITH POLYESTER POWDER
 COAT FINISH RAL 9004 SIGNAL BLACK.

CHANNEL DRAIN
 HARMER MODULOCK CHANNEL DRAINS WITH SLOTTED
 GRATING SLOPING TO HARMER ROOF AV VERTICAL
 RAINWATER OUTLETS

TERRACE FLOOR BUILDUP U-VALUE 0.11 W/m²K
 600X600 TOBERMORRE PAVING FLAGS COLOUR BUFF ON
 HARMER MODULOCK PEDESTAL RAISED DECK SUPPORT
 PLACED ON SARNAPAD PAVING SUPPORT PAD ON SIKA S-
 FELT T-300 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL
 POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED
 VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO
 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO
 S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING
 CONCRET SCREED ON 275MM CIS REINFORCED CONCRETE
 SLAB WITH ROCKWOOL OSCB FIRESTOP AT EACH FLOOR

INTERMEDIATE FLOORS: BUILDUP
 GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016
 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED
 ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH
 FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH
 FLOAT FINISH WITH ENGINEER SPECIFICATION ON
 REINFORCEMENT BELOW SLAB SAS INTERNATIONAL
 SUSPENDED CEILING SYSTEM AN EXPOSED GRID,
 SUSPENDED METAL CEILING SYSTEM WITH LAY-IN TILES
 WITH POLYESTER POWDER COAT RAIL SYSTEM RAL 9010

PILKING TON FACADE:
 PILKINGTON PROFILIT K22 VERTICAL U CHANNEL FACADE

LOBBY FLOOR BUILD UP: U-VALUE 0.12 W/m²K
 GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016
 COLORIS 2016 COLOUR FINISH ON 50MM CIS CONCRETE
 SCREED WITH FLOAT FINISH ON 100MM XTRATHERM THIN-
 R RIGID INSULATION ON 275MM CIS REINFORCED
 CONCRETE SLAB WITH FLOAT FINISH

GROUND FLOOR: BUILDUP U-VALUE 0.12 W/m²K
 GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016
 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600
 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE
 SCREED WITH FLOAT ON 100MM XTRATHERM THIN-R
 RIGID INSULATION ON 675MM CIS REINFORCED CONCRETE
 SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION
 ON REINFORCEMENT


CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K
 SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL
 SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH
 IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C WITH
 SCHÜCO DEFLAME INSULATED SPANDREL PANEL LOCATED
 BEHIND LOUVRE

COLUMNS
 600X600 CIS REINFORCED CONCRETE COLUMN WITH
 12.5MM GYPROC PLASTERBOARD FINISH WITH 2MM
 SKIMCOAT

BASEMENT FLOOR BUILDUP
 SIKAFLOOR®-359 N SLIP RESISTANT EPOXY FLOOR FINISH WITH
 BLUE PIGMENT ADDED TO AREAS DESIGNATED PEDESTRIAN
 FOOTPATH AND WHITE PIGMENT ELSEWHERE ON 75MM
 CONCRETE FINISH SCREED WITH FLOAT FINISH ON VISQUEEN
 FOIL LINED MODIFIED BITUMEN RUBBER MEMBRANE GAS
 RESISTANT SELF ADHESIVE TANKING MEMBRANE APPLIED TO
 600MM CIS C30 GRADE REINFORCED CONCRETE TO ENGINEERS
 SPECIFICATION

SHEET PILE
 ARCELOR MITTAL A14 U SECTION STEEL SHEET PILES WITH
 6MM CONTINUOUS WELD SEALING INTERLOCKING PILES. PILES
 TO BE DRIVEN TO DEPTH SPECIFIED BY ENGINEER, WITH
 800X800MM CIS CONCRETE PILE CAP WITH ENGINEER
 SPECIFICATIONS

NAME	SECTION	DETAILS
W01 RAINSCREEN WALL (BLOCK INFILL)		U-VALUE: 0.15 W/m ² K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 215x400x100MM KILSAREN MEDIUM DENSITY CONCRETE BLOCKS PLACED BLOCK ON FLAT. 6MM GYPROC AIRTITE QUIET PARGE COAT APPLIED TO BLOCKWORK. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W02 RAINSCREEN WALL (CONCRETE INFILL)		U-VALUE: 0.15 W/m ² K 60MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM @ 1200C/C VIA CONCEALED ANCHORS. ELEMENTAL F1 BRACKET WITH THERMAL ISOLATOR FIXED TO SECONDARY STRUCTURE VIA ANCHOR BOLTS. 210MM ROCKWOOL RAINSCREEN DUO SLAB FIXED BACK VIA METAL FIXINGS AT MANUFACTURERS SPECIFIC SPACINGS. 200MM C30 REINFORCED CONCRETE INFILL WALL. 6MM GYPROC AIRTITE QUIET PARGE COAT APPLIED TO PRECAST WALL. 50MM GYPROC C-PROFILE FRAME SERVICE CAVITY WITH 12.5MM GYPROC WALL BOARD FINISH.
W03 GYPROC PARTITION WALL (X606A005)		60 MIN FIRE RATING 2MM GYPROC SKIMCOAT FINISH ON 15MM GYPROC WALLBOARD ON 12.5MM WITH STAGGERED JOINTS ON RIGIDUR H WALLBOARD ON 12.5MM GYPPFRAME 70 S 60 °C STUD 15MM GYPROC WALLBOARD WITH STAGGERED JOINTS ON 12.5MM RIGIDUR H WITH 2MM GYPROC SKIMCOAT FINISH
W04 GYPROC PARTITION WALL (A206164)		30 MINUTE FIRE RATING 2MM GYPROC SKIMCOAT FINISH GYPROC WALLBOARD 12.5MM GYPPFRAME 70 S 60 °C STUD GYPROC WALLBOARD 12.5MM 2MM GYPROC SKIMCOAT FINISH
W05 CIS WALL WITH EXTERNAL FINISH		60 MINUTE FIRE RATING 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO 200MM C30 GRADE CONCRETE CAST IN SITU WALL WITH 1500X600X20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINTS FIXED TO KEIL RAIL SYSTEM VIA ELEMENTAL F1 RAINSCREEN BRACKETS
W06 CIS WALL WITH PASTER FINISH		60 MINUTE FIRE RATING 6MM GYPROC SOUNDLOC PARGECOAT WITH 6MM GYPROC CARLITE PLASTER FINISH ON 200MM C30 GRADE CONCRETE CAST IN SITU WALL
W07 GLAZED PARTITION WALL		PLANET SYSTEMS 55MM INTERNAL DOUBLE GLAZED PARTITION WALL FIRE RATED FOR 30MINUTES



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Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

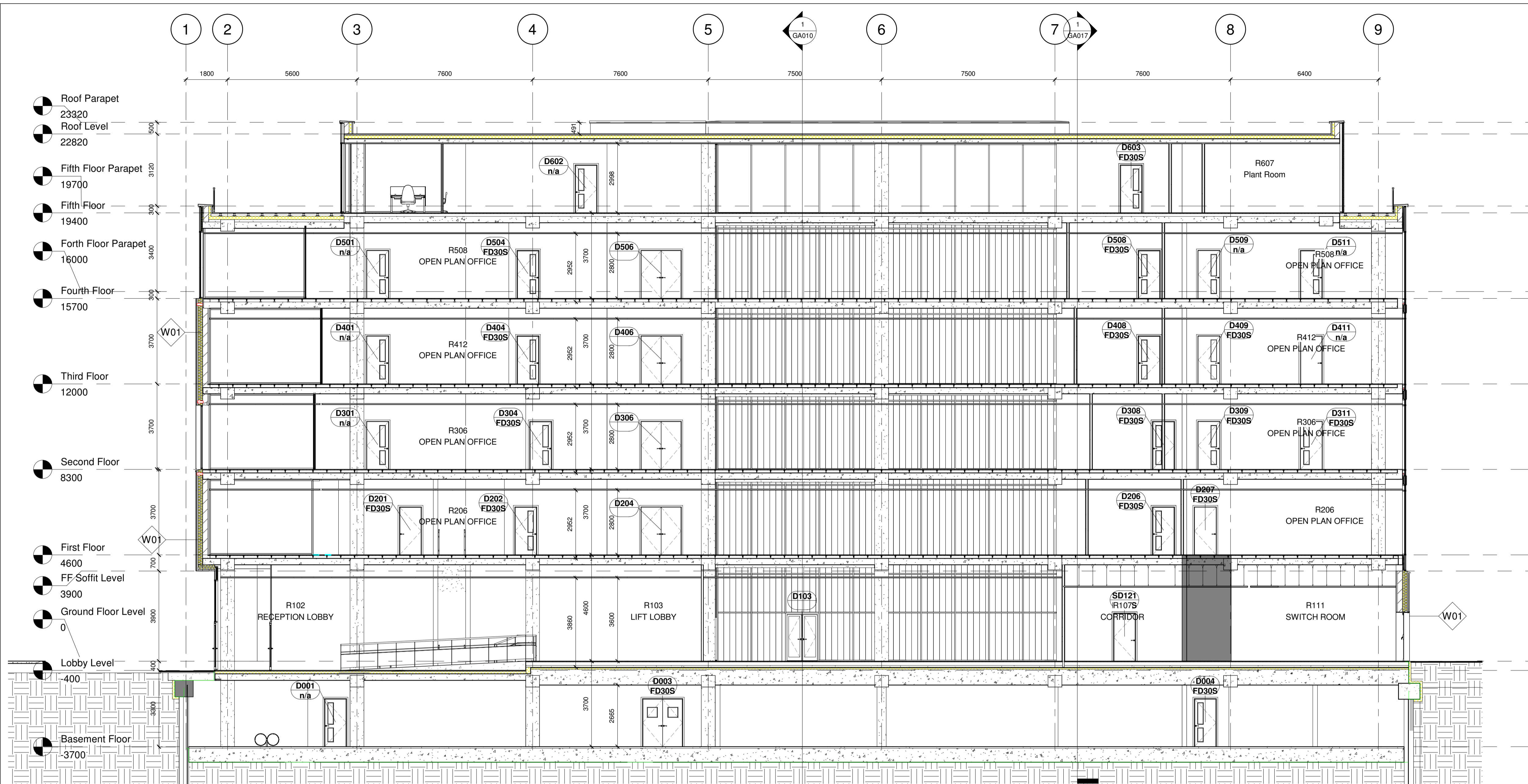
PROJECT

GA Drawings + Details

TITLE

Cross Section

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) As indicated	PROJECT NUMBER 03	
DRAWING NUMBER GA010		REV



1 Longitudinal Section
1 : 100

ROOF BUILDUP 0.11 W/m²K
30MM LOOSE LIMESTONE GRAVEL ON SIKA S-FELT T-300 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING CONCRET SCREED ON TATA STEEL D100 COMPOSITE DECK WITH 150MM CIS CONCRETE

PARAPET CAPPING
ALUPRESS ALUMINIUM CAPPING WITH POLYESTER POWDER COAT FINISH RAL 9004 SIGNAL BLACK.

CHANNEL DRAIN
HARMER MODULOOCK CHANNEL DRAINS WITH SLOTTED GRATING SLOPING TO HARMER ROOF AV VERTICAL RAINWATER OUTLETS

TERRACE FLOOR BUILDUP U-VALUE 0.11 W/m²K
600X600 TOBERMORE PAVING FLAGS COLOUR BUFF ON HARMER MODULOOCK PEDESTAL RAISED DECK SUPPORT PLACED ON SARNAPAD PAVING SUPPORT PAD ON SIKA S-FELT T-300 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING CONCRET SCREED ON 275MM CIS REINFORCED CONCRETE SLAB WITH ROCKWOOL OSCB FIRESTOP AT EACH FLOOR

INTERMEDIATE FLOORS: BUILDUP
GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT BELOW SLAB SAS INTERNATION SUSPENDED CEILING SYSTEM AN EXPOSED GRID, SUSPENDED METAL CEILING SYSTEM WITH LAY-IN TILES WITH POLYESTER POWDER COAT RAIL SYSTEM RAL 9010

PILKING TON FACADE:
PILKINGTON PROFILIT K22 VERTICAL U CHANNEL FACADE

LOBBY FLOOR BUILD UP: U-VALUE 0.12 W/m²K
GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 100MM XTRATHERM THIN-R RIGID INSULATION ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH

GROUND FLOOR: BUILDUP U-VALUE 0.12 W/m²K
GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 100MM XTRATHERM THIN-R RIGID INSULATION ON 675MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT


CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K
SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C WITH SCHUCO DEFLAME INSULATED SPANDREL PANEL LOCATED BEHIND LOUVRE

BASEMENT FLOOR BUILDUP
SIKAFLOOR®-359 N SLIP RESISTANT EPOXY FLOOR FINISH WITH BLUE PIGMENT ADDED TO AREAS DESIGNATED PEDESTRIAN FOOTPATH AND WHITE PIGMENT ELSEWHERE ON 75MM CONCRETE FINISH SCREED WITH FLOAT FINISH ON VISQUEEN FOIL LINED MODIFIED BITUMEN RUBBER MEMBRANE GAS RESISTANT SELF ADHESIVE TANKING MEMBRANE APPLIED TO 600MM CIS C30 GRADE REINFORCED CONCRETE TO ENGINEERS SPECIFICATION

SHEET PILE
ARCELOR MITTAL A14 U SECTION STEEL SHEET PILES WITH 6MM CONTINUOUS WELD SEALING INTERLOCKING PILES. PILES TO BE DRIVEN TO DEPTH SPECIFIED BY ENGINEER. WITH 800X800MM CIS CONCRETE PILE CAP WITH ENGINEER SPECIFICATIONS

ROCKWOOL OSCB 25 EXPANDING FIRE STOP PLACED ON EACH FLOOR BETWEEN CONCRETE SLAB AND SCHUCO DEFLAME INSULATED CURTAIN WALL SPANDREL PANEL

200X100MM PRECAST CONCRETE LINTOLS WITH ENGINEER SPECIFIED REINFORCEMENT PLACED ON NORTH FACADE ABOVE EACH WINDOW WITH 150MM COVER ON INFILL WALL



MTU
Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

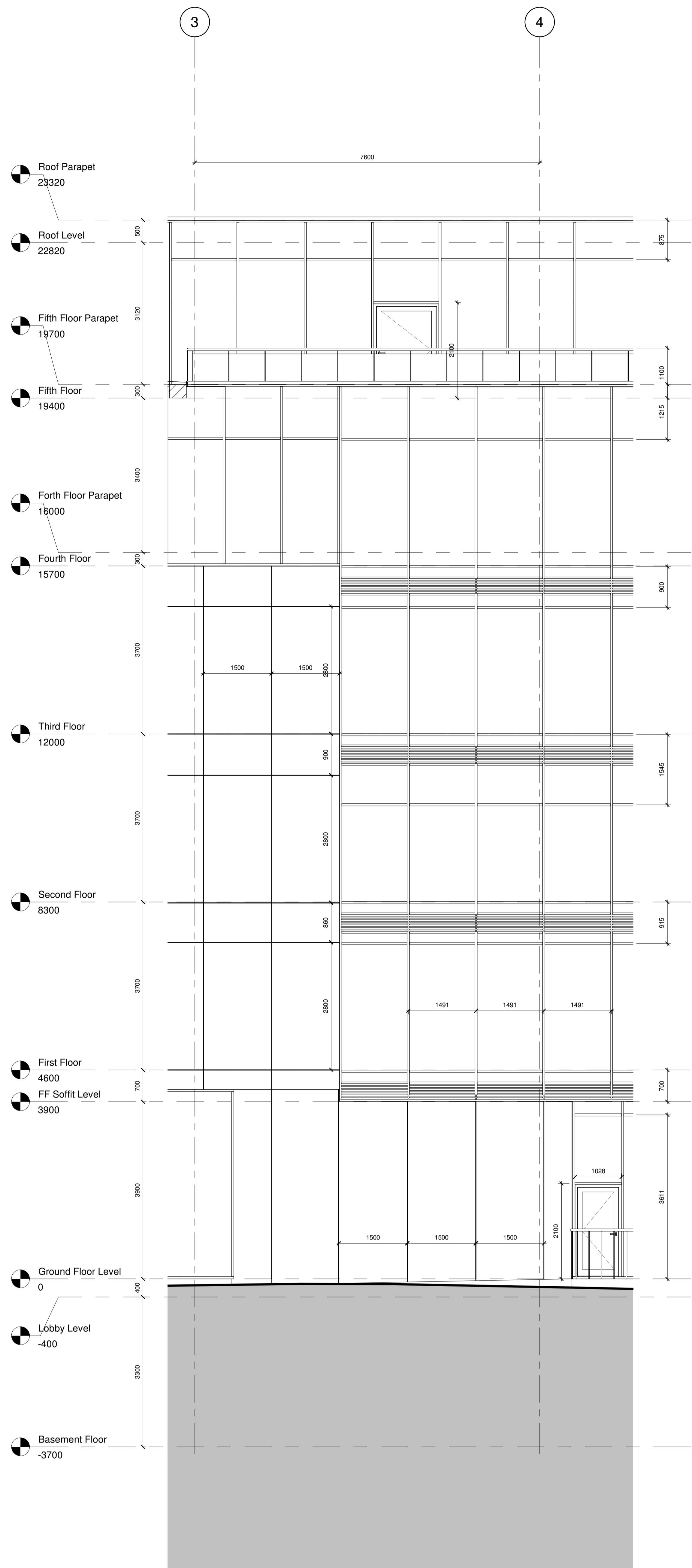
PROJECT

GA Drawings + Details

TITLE

Longitudinal Section

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 03/05/23
SCALE (@ A1) 1 : 100	PROJECT NUMBER 03	
DRAWING NUMBER GA011		REV



ROOF BUILDUP 0.11 W/m²K
 30MM LOOSE LIMESTONE GRAVEL ON SIKAS-VELT T-300
 LOOSE LAYED ONTO SARNAPLUB G 410-20 EL
 POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED
 VIA SARNACOLB 2170 / 2172 SPRAY CONTACT ADHESIVE TO
 150MM SKATHERMB PIR GT RIGID INSULATION PLACED ONTO
 S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING
 CONCRETE SCREED ON TATA STEEL D100 COMPOSITE DECK
 WITH 150MM CIS CONCRETE

PARAPET CAPPING
 ALUPRESS ALUMINIUM CAPPING WITH POLYESTER POWDER
 COAT FINISH RAL 9004 SIGNAL BLACK.

CHANNEL DRAIN
 HARMER MODULOCK CHANNEL DRAINS WITH SLOTTED
 GRATING SLOPING TO HARMER ROOF AV VERTICAL
 RAINWATER OUTLETS

TERRACE FLOOR BUILDUP U-VALUE 0.11 W/m²K
 600X600 TOBERMORE PAVING FLAHS COLOUR BUFF ON
 HARMER MODULOCK PEDESTAL RAISED DECK SUPPORT
 PLACED ON SARNAPAD PAVING SUPPORT PAD ON SIKAS-
 FELT T-300 LOOSE LAYED ONTO SARNAPLUB G 410-20 EL
 POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED
 VIA SARNACOLB 2170 / 2172 SPRAY CONTACT ADHESIVE TO
 150MM SKATHERMB PIR GT RIGID INSULATION PLACED ONTO
 S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING
 CONCRETE SCREED ON 275MM CIS REINFORCED CONCRETE
 SLAB WITH ROCKWOOL CSCB FIRESTOP AT EACH FLOOR

INTERMEDIATE FLOORS-BUILDUP
 GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016
 COLORIS 2016 COLOUR FINISH ON 50MM CIS CONCRETE
 ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH
 FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH
 FLOAT FINISH WITH ENGINEER SPECIFICATION ON
 REINFORCEMENT BELOW SLAB SAS INTERNATIONAL
 SUSPENDED CEILING SYSTEM AN EXPOSED GRID
 SUSPENDED METAL CEILING SYSTEM WITH LAY-IN TILES
 WITH POLYESTER POWDER COAT RAIL SYSTEM RAL 9010

PILKINGTON TON FACADE:
 PILKINGTON PROFILIT K22 VERTICAL U CHANNEL FACADE

LOBBY FLOOR BUILD UP: U-VALUE 0.12 W/m²K
 GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016
 COLORIS 2016 COLOUR FINISH ON 50MM CIS CONCRETE
 SCREED WITH FLOAT FINISH ON 100MM XTRATHERM THIN-
 R RIGID INSULATION ON 275MM CIS REINFORCED
 CONCRETE SLAB WITH FLOAT FINISH

GROUND FLOOR-BUILDUP U-VALUE 0.12 W/m²K
 GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016
 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600
 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE
 SCREED WITH FLOAT ON 100MM XTRATHERM THIN-
 R RIGID INSULATION ON 275MM CIS REINFORCED CONCRETE
 SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION
 ON REINFORCEMENT

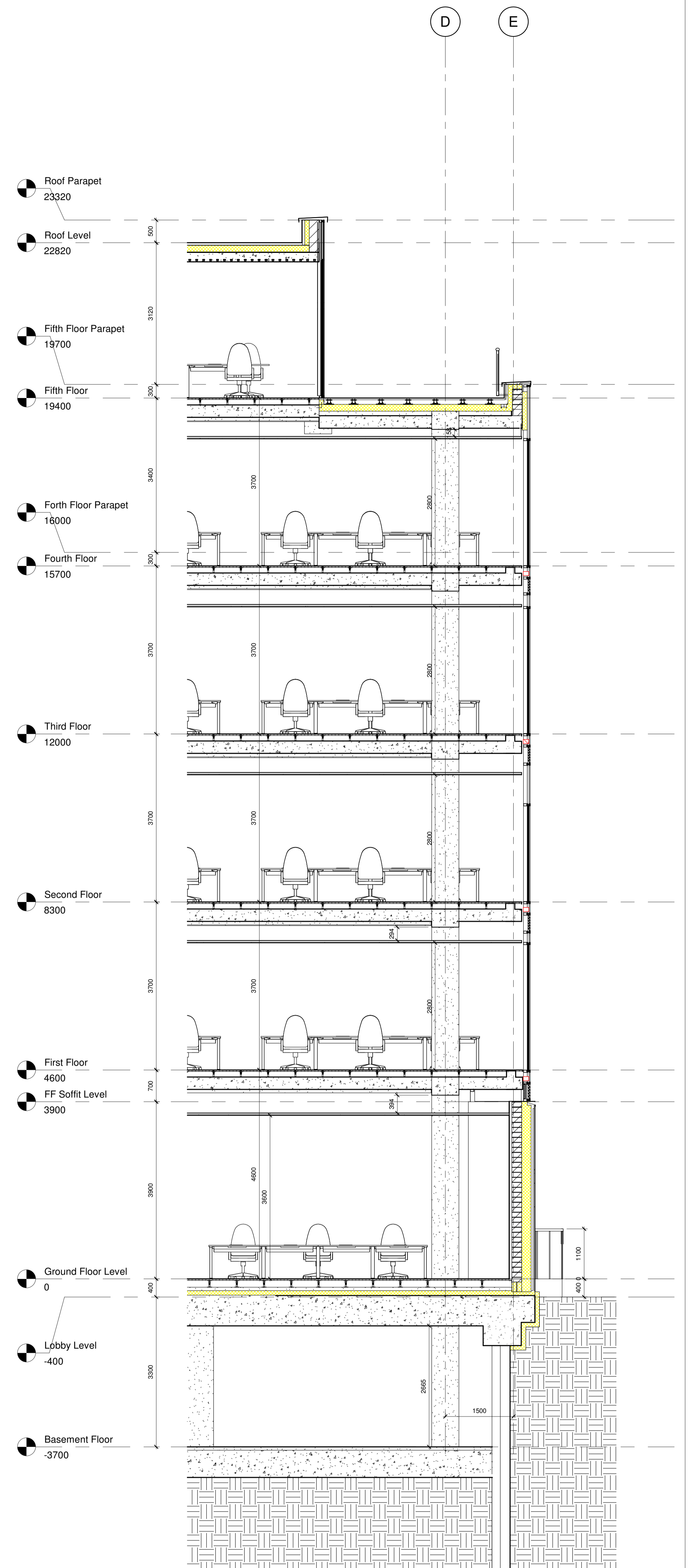
CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K
 SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL
 SYSTEM WITH TOIC POLYESTER POWDER COATED FINISH
 IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500C/C WITH
 SCHÜCO DEFLAME INSULATED SPANDREL PANEL LOCATED
 BEHIND LOUVRE

COLUMNS
 600X600 CIS REINFORCED CONCRETE COLUMN WITH
 12.5MM GYPROC PLASTERBOARD FINISH WITH 2MM
 SKIMCOAT

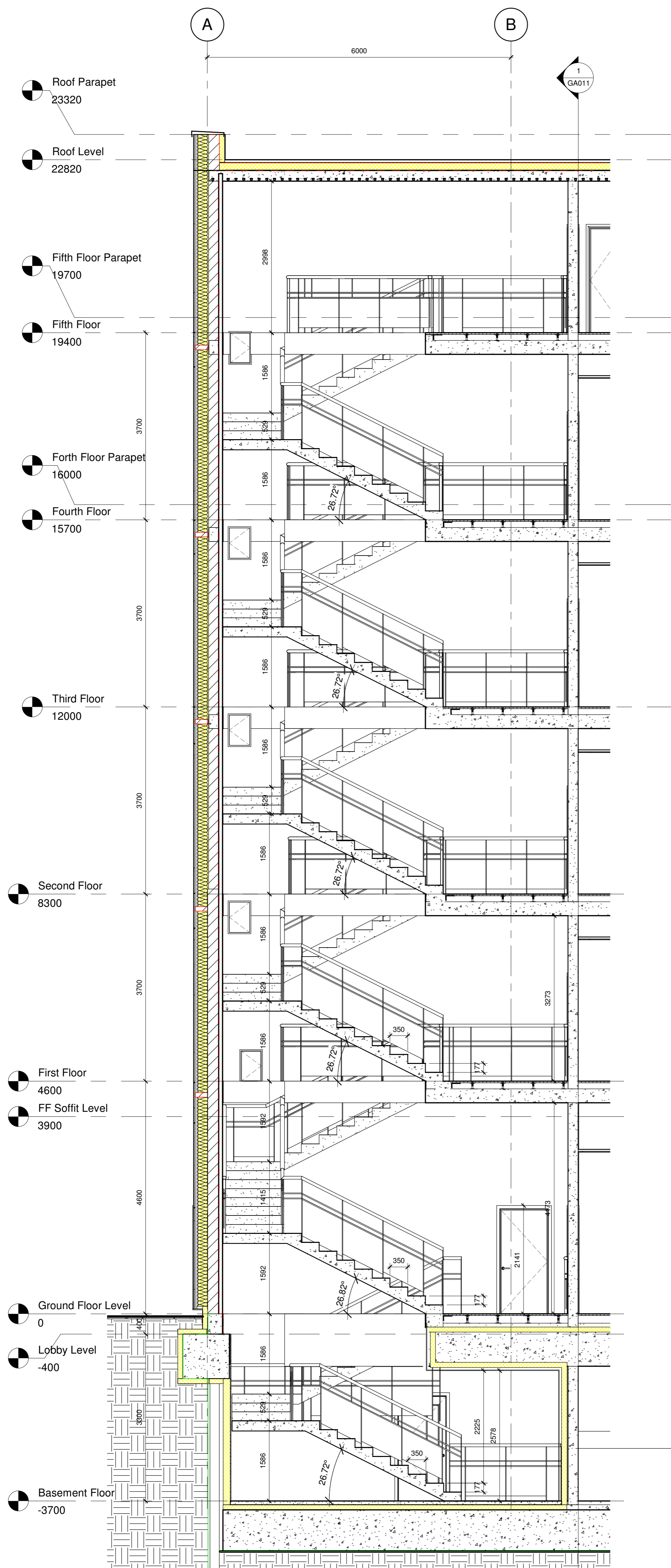
BASEMENT FLOOR BUILDUP
 SIKARLOORB-352 N SLIP RESISTANT EPOXY FLOOR FINISH WITH
 BLUE PIGMENT ADDED TO AREAS DESIGNATED PEDESTRIAN
 FOOTPATH AND WHITE PIGMENT ELSEWHERE ON 75MM
 CONCRETE FINISH SCREED WITH FLOAT FINISH ON VISQUEEN
 FOIL LINED MODIFIED BITUMEN RUBBER MEMBRANE GAS
 RESISTANT SELF ADHESIVE TANKING MEMBRANE APPLIED TO
 600MM CIS C30 GRADE REINFORCED CONCRETE TO ENGINEERS
 SPECIFICATION

SHEET PILE
 ARCELOR MITTAL A14 U SECTION STEEL SHEET PILES WITH
 6MM CONTINUOUS WELD SEALING INTERLOCKING PILES. PILES
 TO BE DRIVEN TO DEPTH SPECIFIED BY ENGINEER WITH
 900X900MM CIS CONCRETE PILE CAP WITH ENGINEER
 SPECIFICATIONS

01 Part Elevation West
1 : 50



02 Part Section West
1 : 50



1 Ambulant Stair Section
1 : 50

ROOF BUILDUP 0.11 W/m²K
 30MM LOOSE LIMESTONE GRAVEL ON SIKAS-FELT T-300
 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL
 POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED
 VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO
 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO
 S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING
 CONCRET SCREED ON TATA STEEL D100 COMPOSITE DECK
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PARAPET CAPPING
 ALUPRESS ALUMINIUM CAPPING WITH POLYESTER POWDER
 COAT FINISH RAL 9004 SIGNAL BLACK.

CHANNEL DRAIN
 HARMER MODULOCK CHANNEL DRAINS WITH SLOTTED
 GRATING SLOPING TO HARMER ROOF AV VERTICAL
 RAINWATER OUTLETS

TERRACE FLOOR BUILDUP U-VALUE 0.11 W/m²K
 600X600 TOBERMORE PAVING FLAGS COLOUR BUFF ON
 HARMER MODULOCK PEDESTAL RAISED DECK SUPPORT
 PLACED ON SARNAPAD PAVING SUPPORT PAD ON SIKAS-
 FELT T-300 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL
 POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED
 VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO
 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO
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 CONCRET SCREED ON 275MM CIS REINFORCED CONCRETE
 SLAB WITH ROCKWOOL OSCB FIRESTOP AT EACH FLOOR

INTERMEDIATE FLOORS: BUILDUP
 GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016
 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED
 ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH
 FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH
 FLOAT FINISH WITH ENGINEER SPECIFICATION ON
 REINFORCEMENT BELOW SLAB SAs INTERNATIONAL
 SUSPENDED CEILING SYSTEM AN EXPOSED GRID,
 SUSPENDED METAL CEILING SYSTEM WITH LAY-IN TILES
 WITH POLYESTER POWDER COAT RAIL SYSTEM RAL 9010

PILKINGTON TON FACADE:
 PILKINGTON PROFILIT K22 VERTICAL U CHANNEL FACADE

LOBBY FLOOR BUILDUP: U-VALUE 0.12 W/m²K
 GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016
 COLORIS 2016 COLOUR FINISH ON 50MM CIS CONCRETE
 SCREED WITH FLOAT FINISH ON 100MM XTRATHERM THIN-R
 RIGID INSULATION ON 275MM CIS REINFORCED
 CONCRETE SLAB WITH FLOAT FINISH

GROUND FLOOR: BUILDUP U-VALUE 0.12 W/m²K
 GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016
 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600
 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE
 SCREED WITH FLOAT ON 100MM XTRATHERM THIN-R
 RIGID INSULATION ON 675MM CIS REINFORCED CONCRETE
 SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION
 ON REINFORCEMENT

CURTAIN WALL: U-VALUE GLAZING 0.7 W/m²K
 SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL
 SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH
 IN RAL 7070 GREY WITH 85MM MULLIONS AT 1500/C WITH
 SCHÜCO DEFLAME INSULATED SPANDREL PANEL LOCATED
 BEHIND LOUVRE

COLUMNS
 600X600 CIS REINFORCED CONCRETE COLUMN WITH
 12.5MM GYPROC PLASTERBOARD FINISH WITH 2MM
 SKIMCOAT

BASEMENT FLOOR BUILDUP
 SIKAFLOOR® 359 N SLIP RESISTANT EPOXY FLOOR FINISH WITH
 BLUE PIGMENT ADDED TO AREAS DESIGNATED PEDESTRIAN
 FOOTPATH AND WHITE PIGMENT ELSEWHERE ON 75MM
 CONCRETE FINISH SCREED WITH FLOAT FINISH ON VISQUEEN
 FOIL LINED MODIFIED BITUMEN RUBBER MEMBRANE GAS
 RESISTANT SELF ADHESIVE TANKING MEMBRANE APPLIED TO
 600MM CIS C30 GRADE REINFORCED CONCRETE TO ENGINEERS
 SPECIFICATION

SHEET PILE
 ARCELOR MITTAL A14 U SECTION STEEL SHEET PILES WITH
 6MM CONTINUOUS WELD SEALING INTERLOCKING PILES. PILES
 TO BE DRIVEN TO DEPTH SPECIFIED BY ENGINEER. WITH
 800X800MM CIS CONCRETE PILE CAP WITH ENGINEER
 SPECIFICATIONS CONCRETE PILE CAP TO BE WRAPPED IN
 XTRATHERM SAFE-R RIGID INSULATION BONDED VIA PIR SPRAY
 ADHESIVE WITH 6MM SILICONE RENDER APPLIED TO EXTERNAL
 FACE

STAIR CORE 2 (AMBULANT)
 CAST IN SITU C30 GRADE CONCRETE STAIRS TIED BACK TO CIS
 FLOORS WITH ENGINEER SPECIFIC REINFORCEMENTS WITH
 177MM RISE CONTINUOUSLY UP THE STRUCTURE WITH 350MM
 GOING WITH FLOAT FINISH AND SIKASIKAFLOOR EPOXY FINISH
 APPLIED WITH WHITE PIGMENT. 60X60X2MM CONTRASTING
 PAINT STRIPS TO BE APPLIED TO THE NOSING OF EVERY STEP
 IN YELLOW

BASEMENT WALL BUILDUP
 2MM SKIMCOAT ON 12.5MM GYPROC GYPSUM
 PLASTERBOARD ON 50MM C-CHANNEL RAILS
 100MM XTRATHERM RIGID XTROWALL PIR
 INSULATION ON 200MM PRECAST STAIR CORE
 WALL



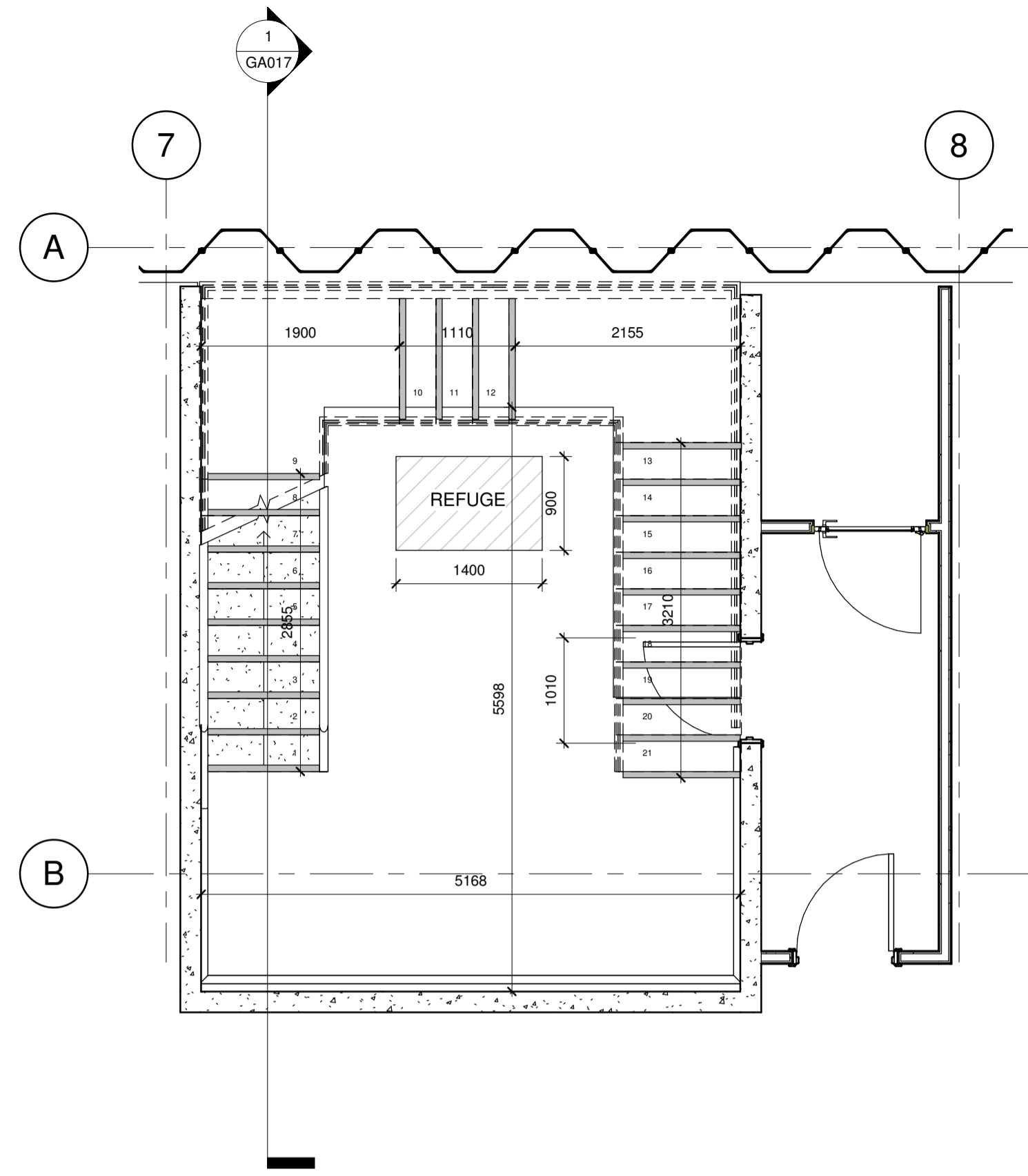
TITLE
GA Drawings + Details

CLIENT
Ambulant Stair Section

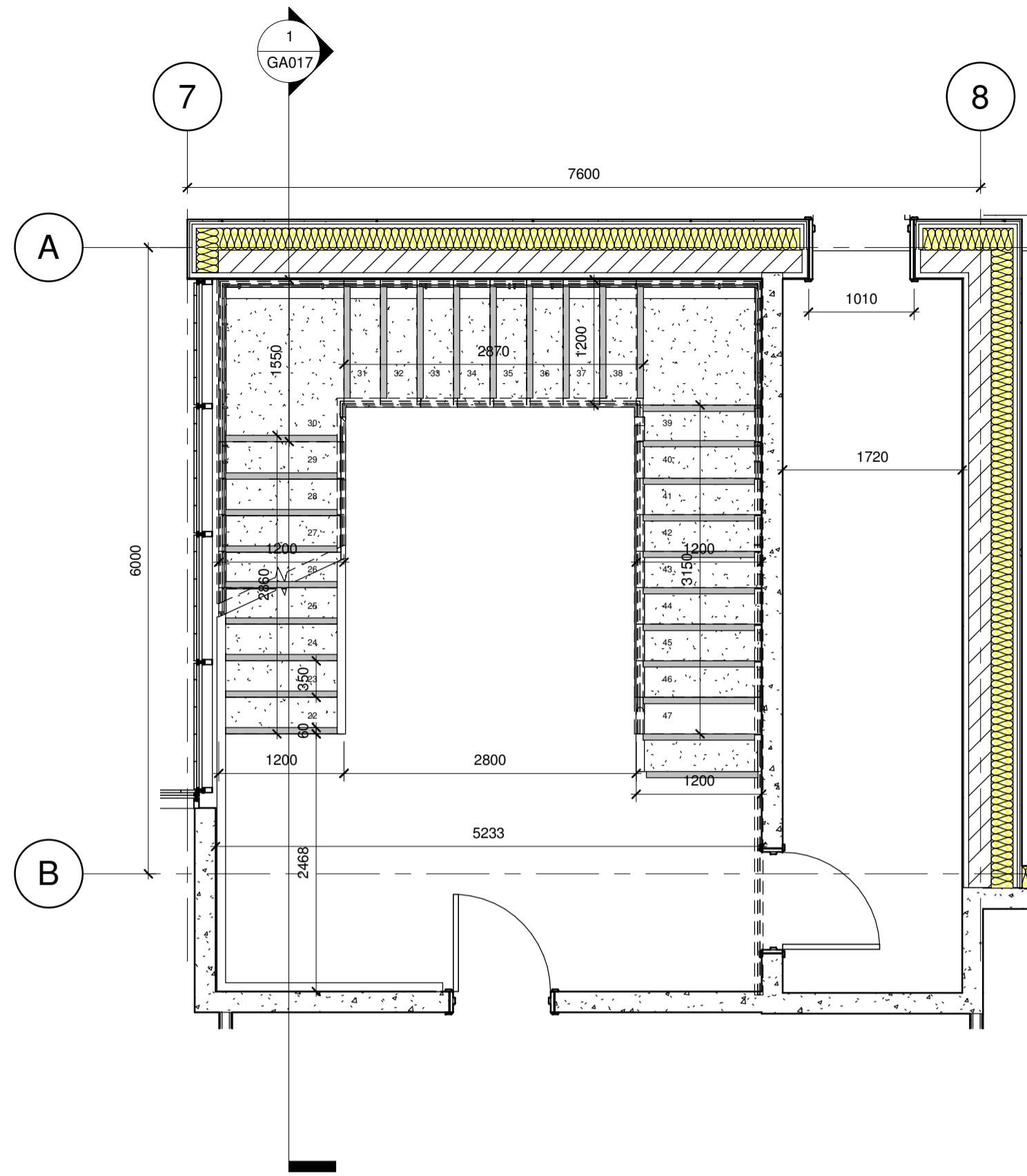
Derek O Leary

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 50	PROJECT NUMBER 03	

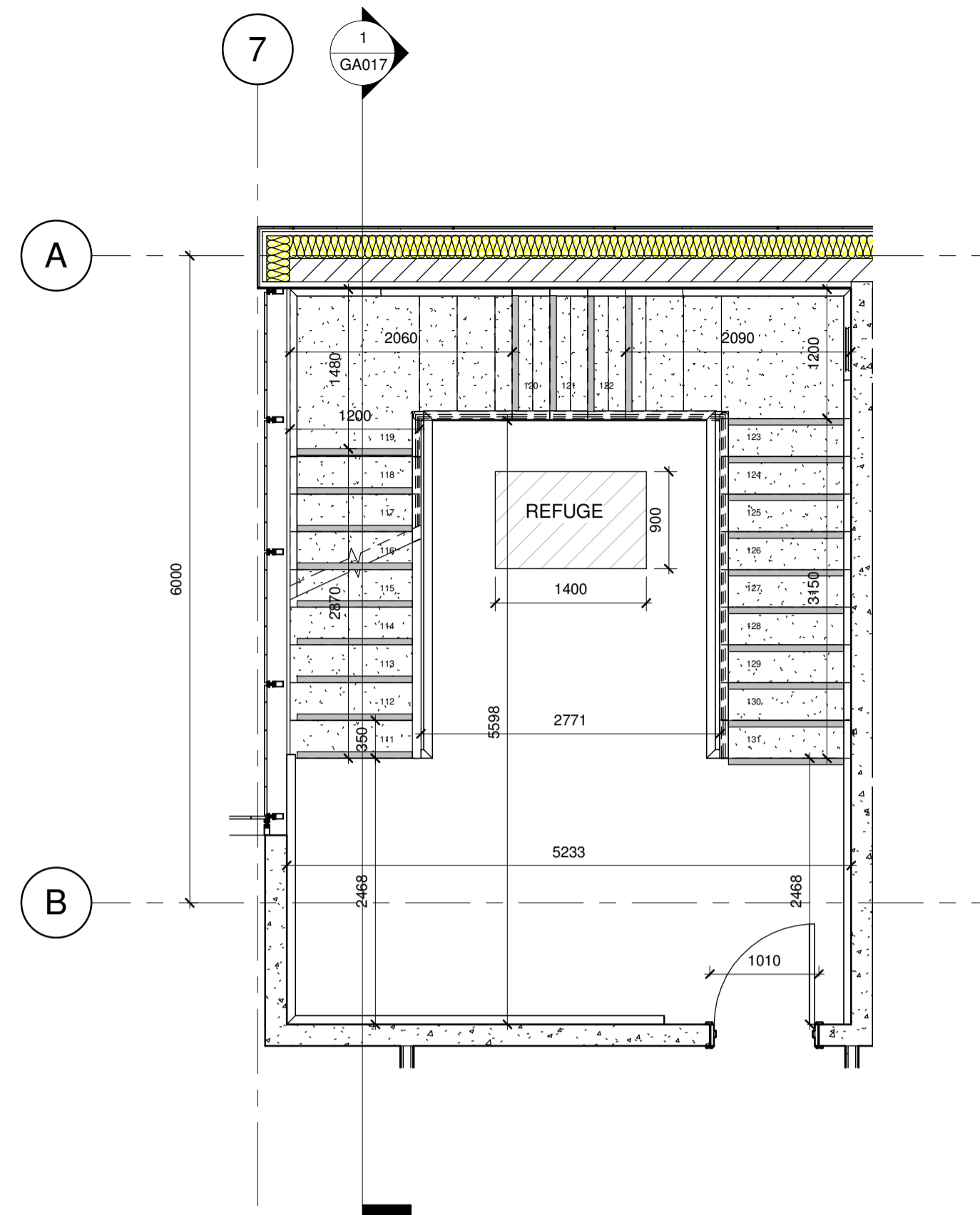
DRAWING NUMBER GA017	REV
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1 SD00-Basement-Ambulant Stair Lift Plan
1 : 50

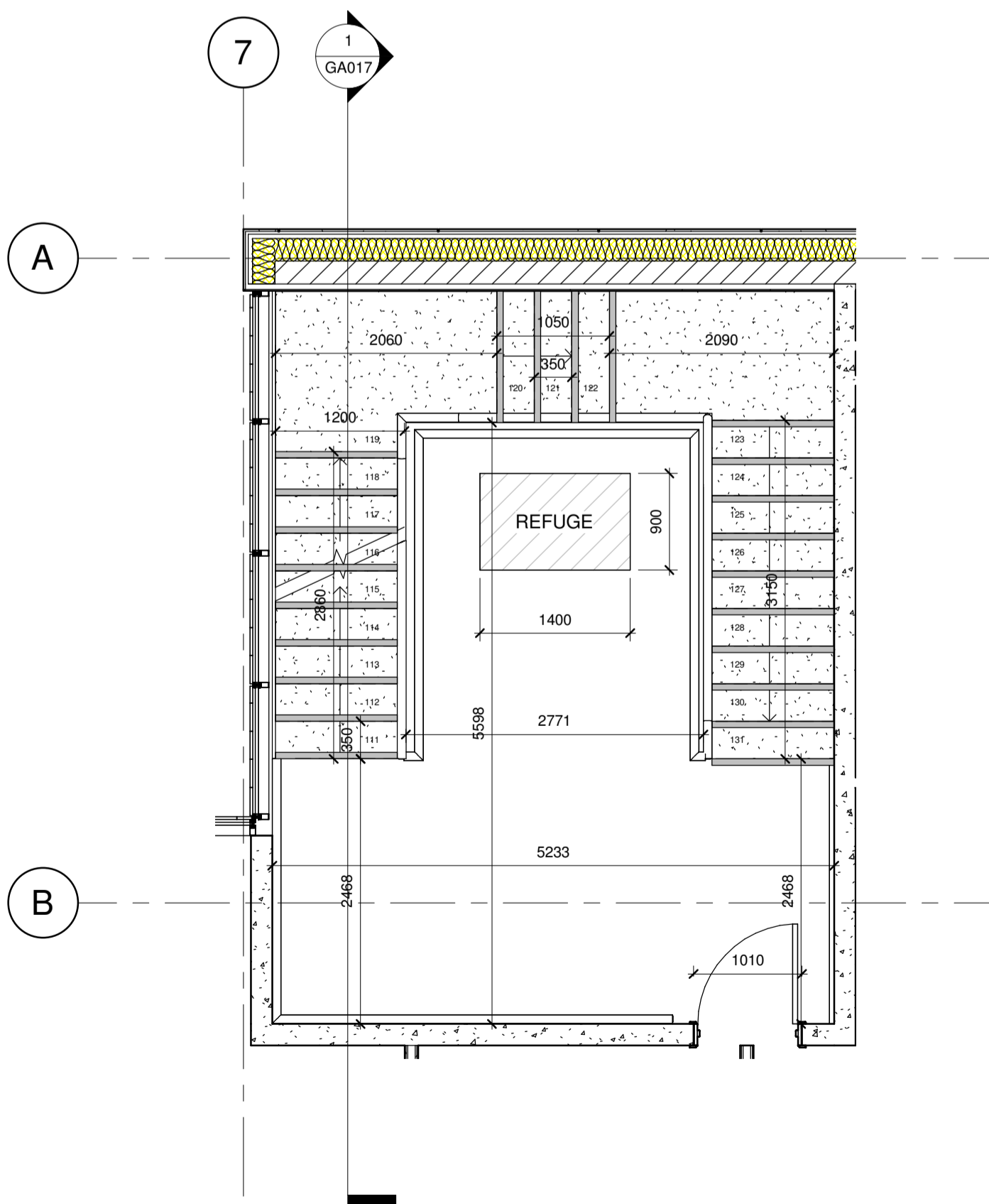


2 SD01-Ground Floor-Ambulant Stair Lift Plan
1 : 50

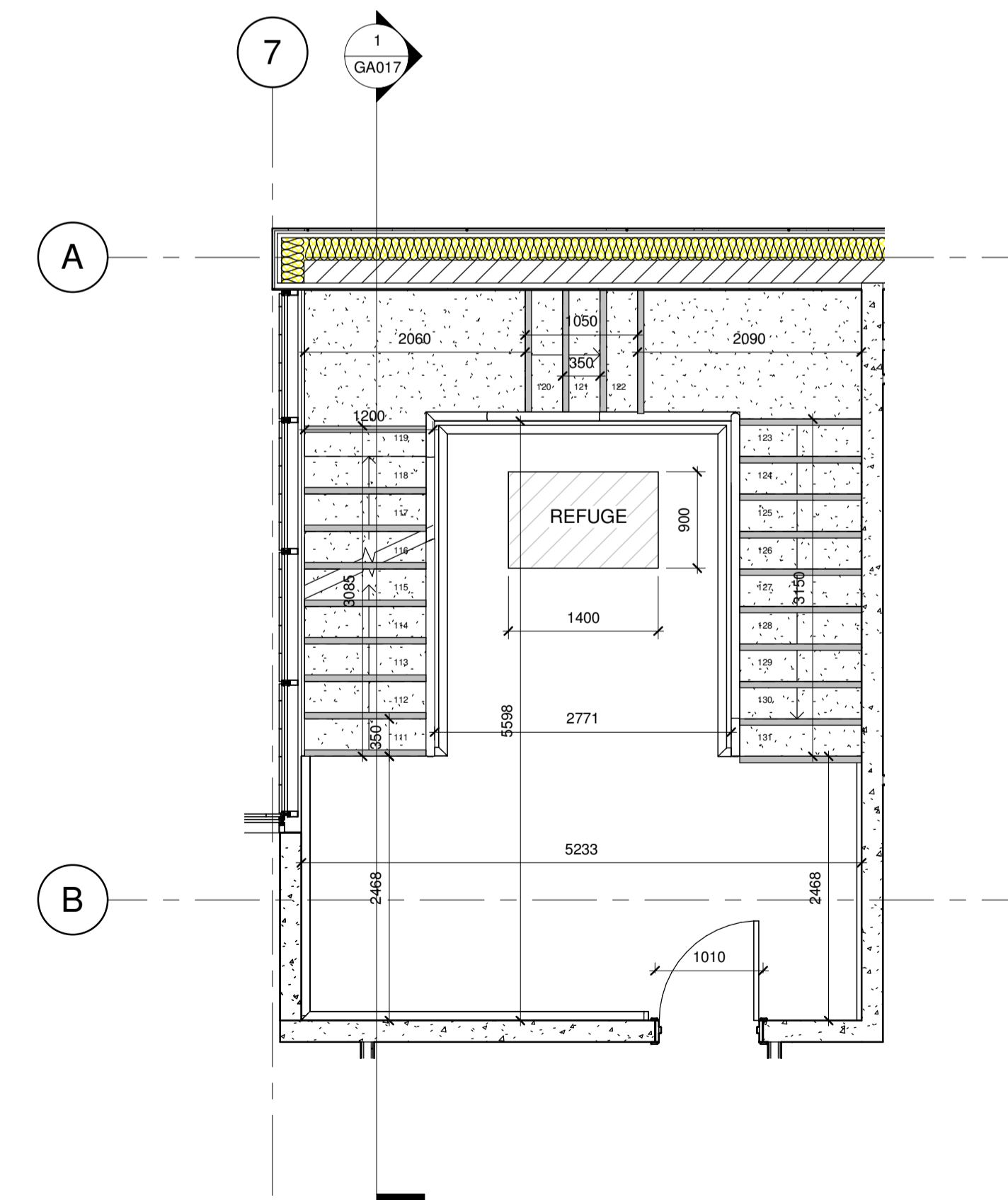


3 SD02-First Floor-Ambulant Stair Lift Plan
1 : 50

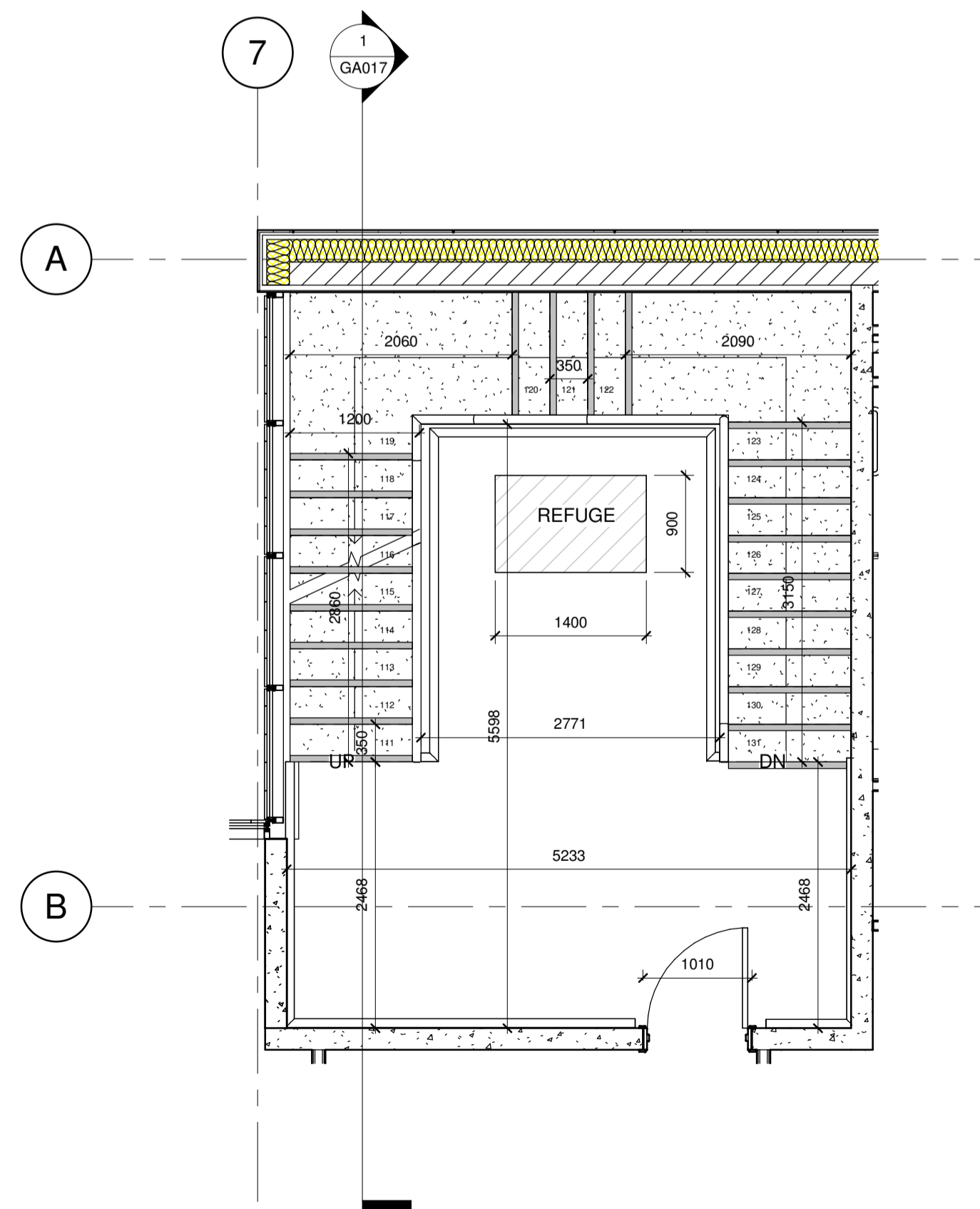
RISE: 177MM
GOING: 350MM
1200MM STAIR WIDTH
HIGH CONTRAST NOSINGS ON 60MM EACH STEP
HANDRAIL AT 1100MM ON STAIRS WITH 1100MM ON LANDINGS



4 SD03-Second Floor-Ambulant Stair Lift Plan
1 : 50



5 SD04-Third Floor-Ambulant Stair Lift Plan
1 : 50



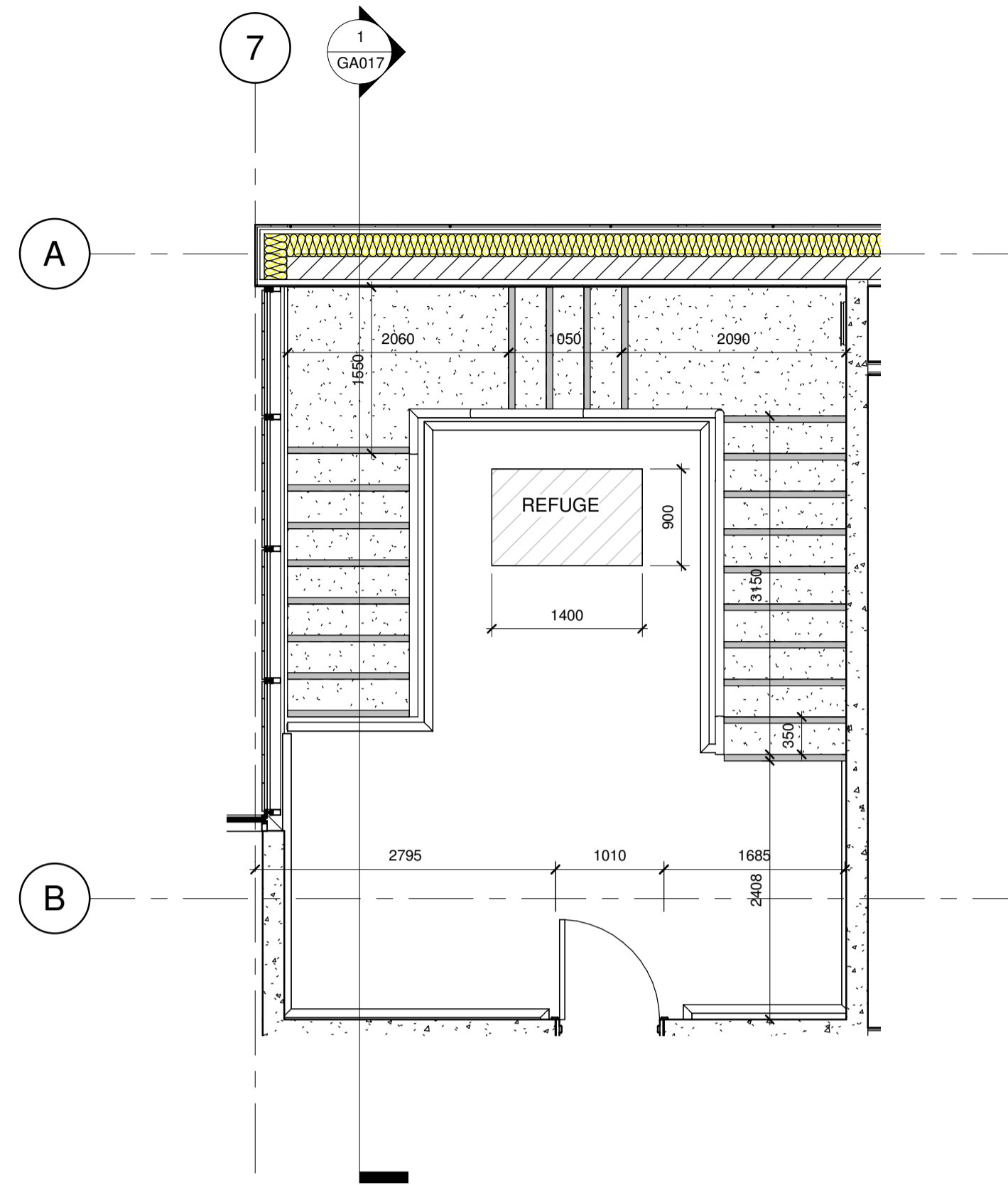
6 SD05-Fourth Floor-Ambulant Stair Lift Plan
1 : 50



PROJECT
GA Drawings + Details

TITLE
Ambulant Stairs

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 50	PROJECT NUMBER 03	
DRAWING NUMBER GA018	REV	



1 SD06-Fifth Floor-Ambulant Stair Lift Plan
1 : 50

RISE: 177MM
GOING: 350MM
1200MM STAIR WIDTH
HIGH CONTRAST NOSINGS ON 60MM EACH STEP
HANDRAIL AT 1100MM ON STAIRS WITH 1100MM
ON LANDINGS



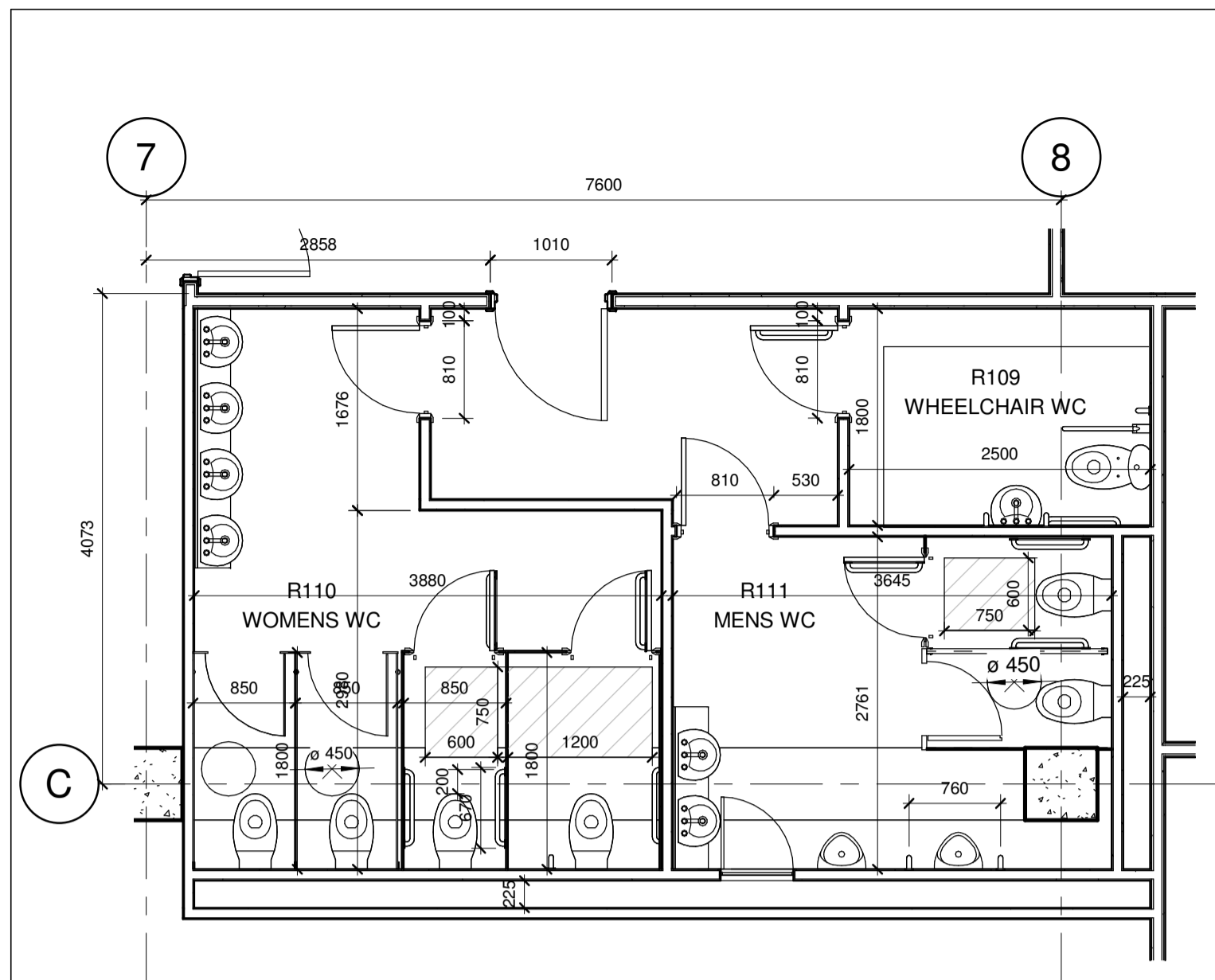
PROJECT

GA Drawings + Details

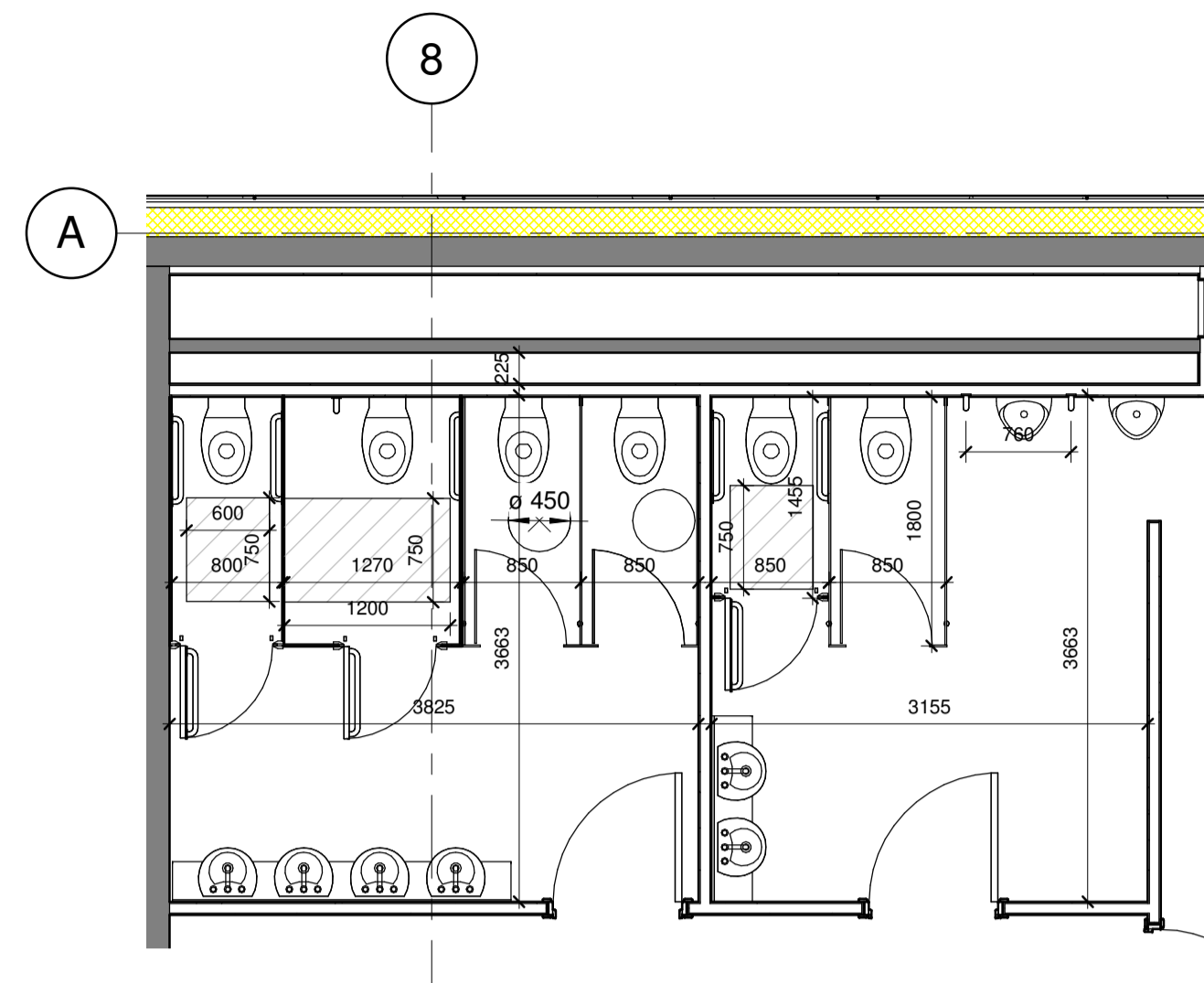
TITLE

Ambulant Stairs Contd

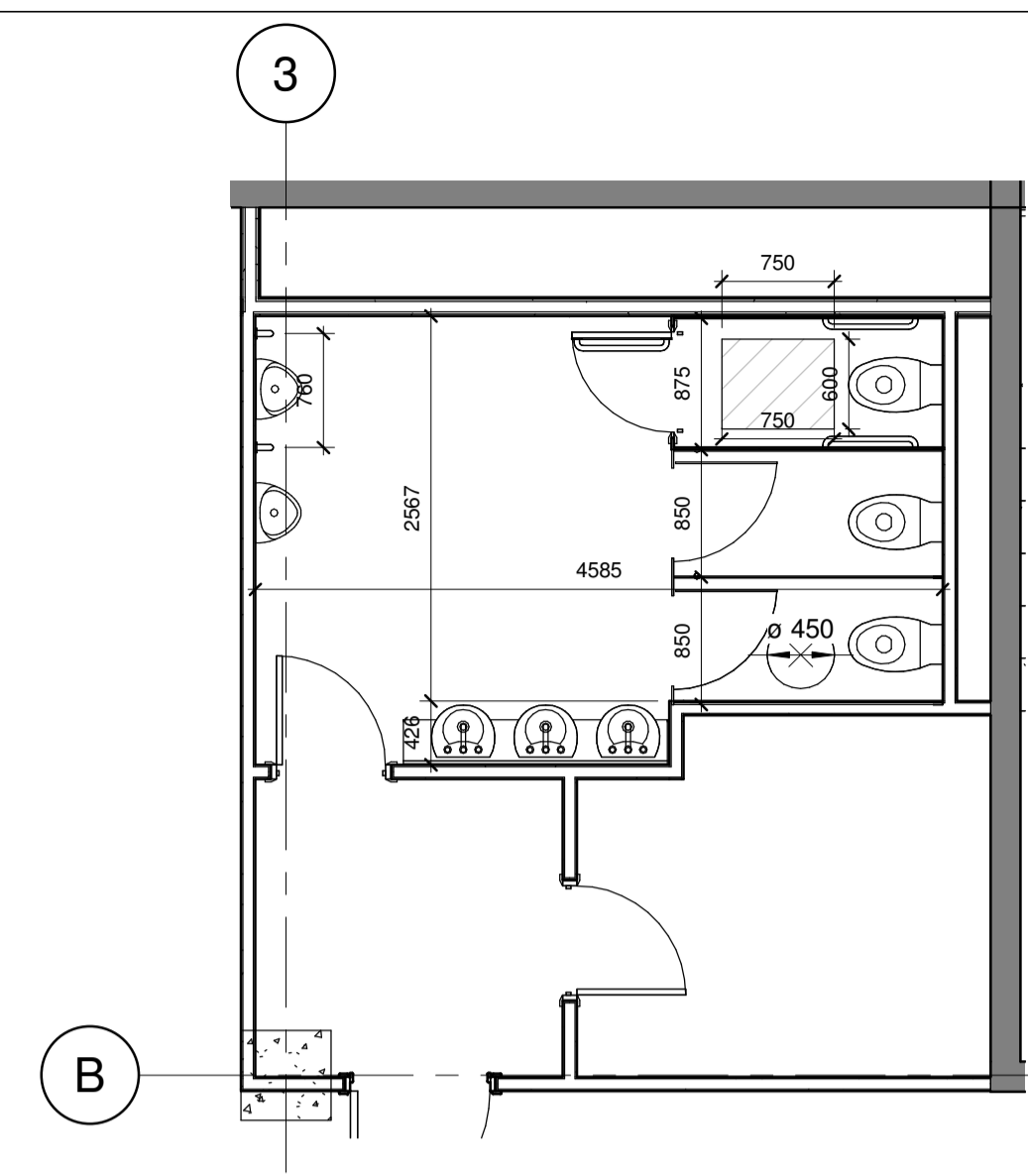
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SCALE (@ A1) 1 : 50	PROJECT NUMBER 03	
DRAWING NUMBER GA019		REV



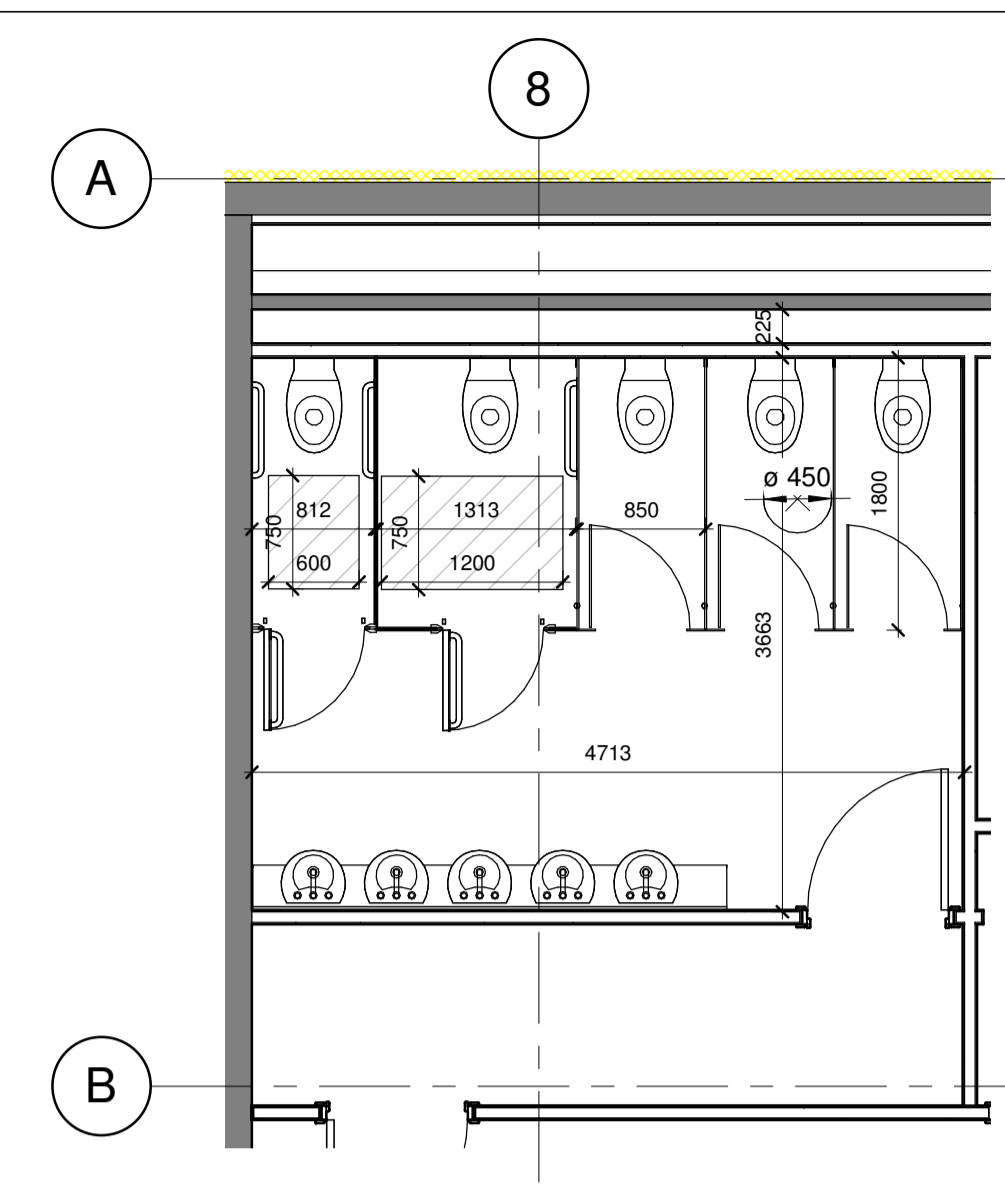
1 Ground Floor WC Layout
1 : 50



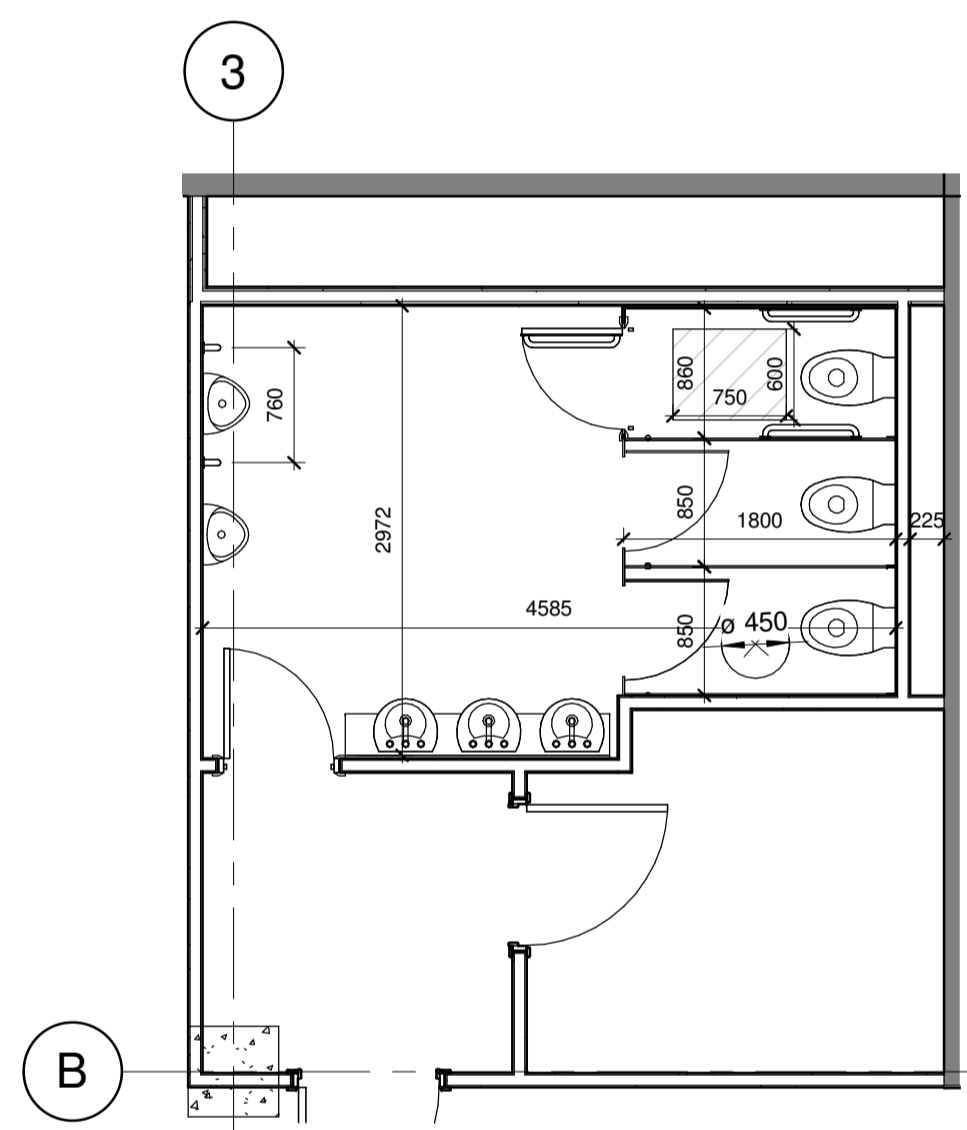
2 First Floor WC Layout
1 : 50



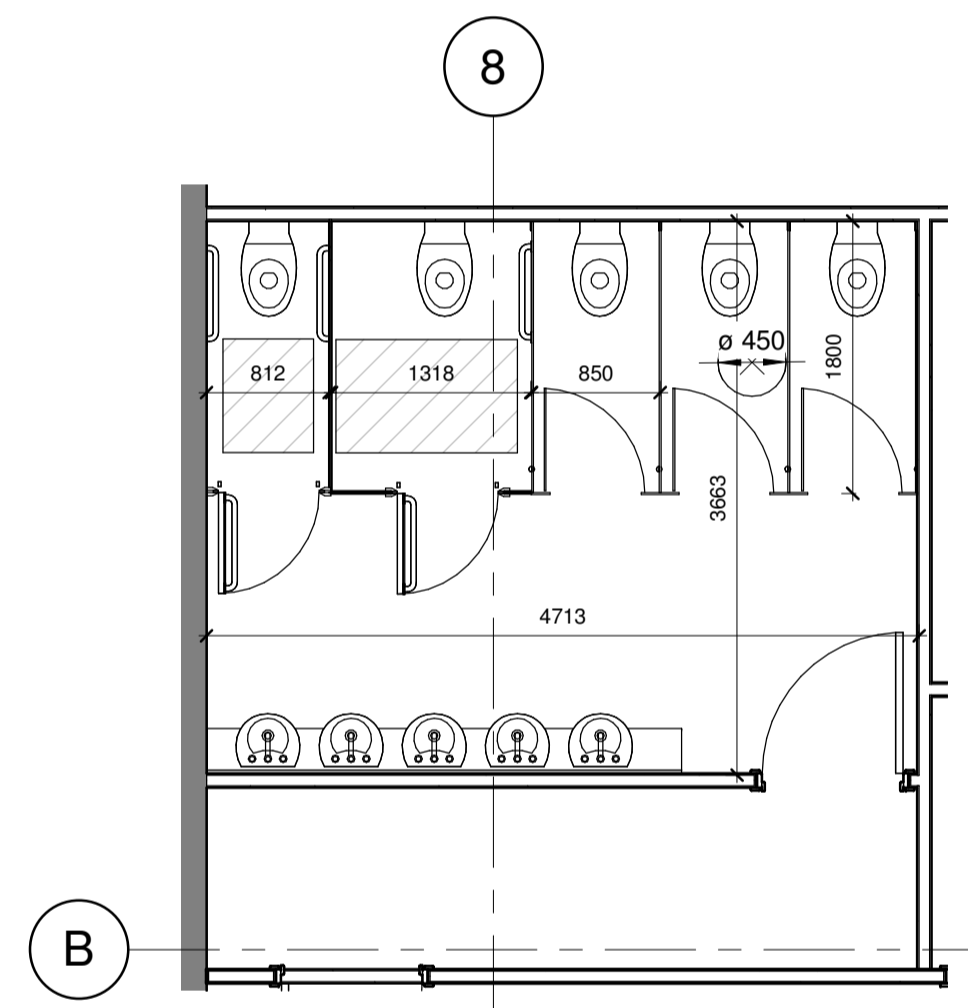
3 Second Floor Mens WC Layout
1 : 50



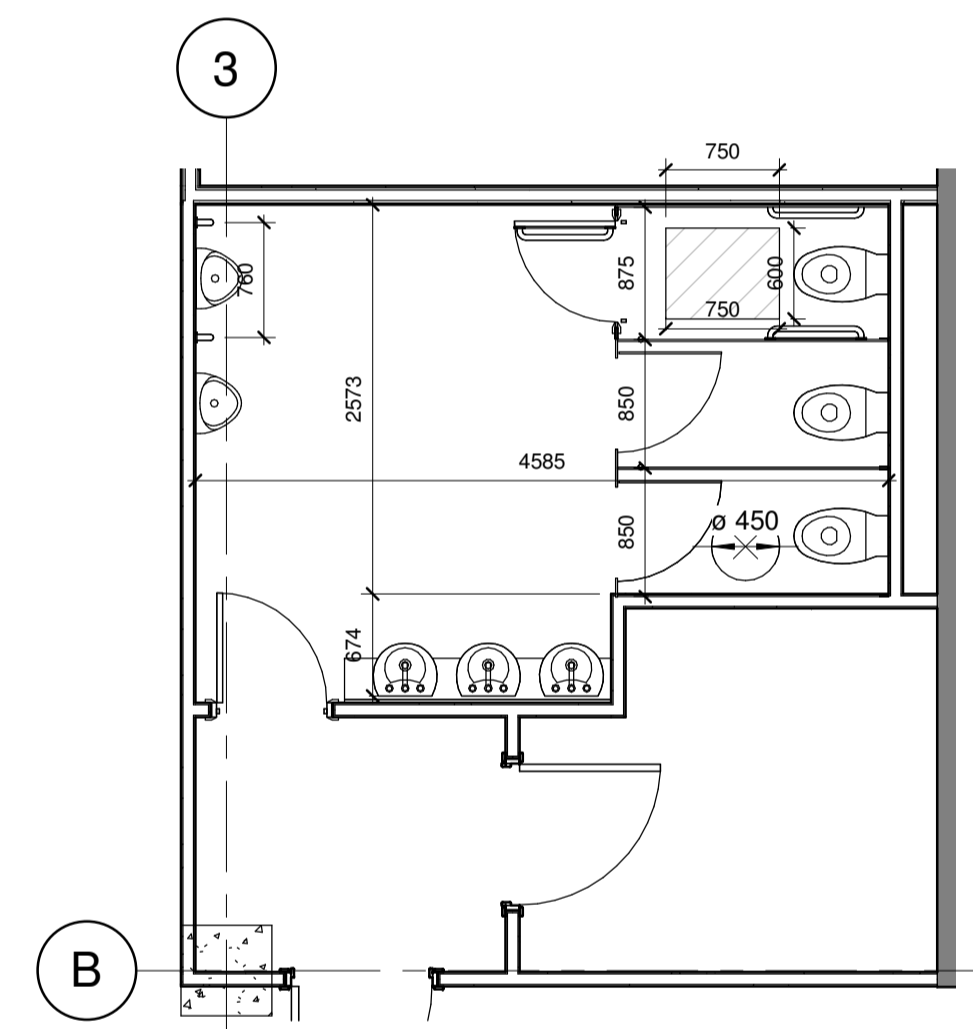
4 Second Floor Womens WC Layout
1 : 50



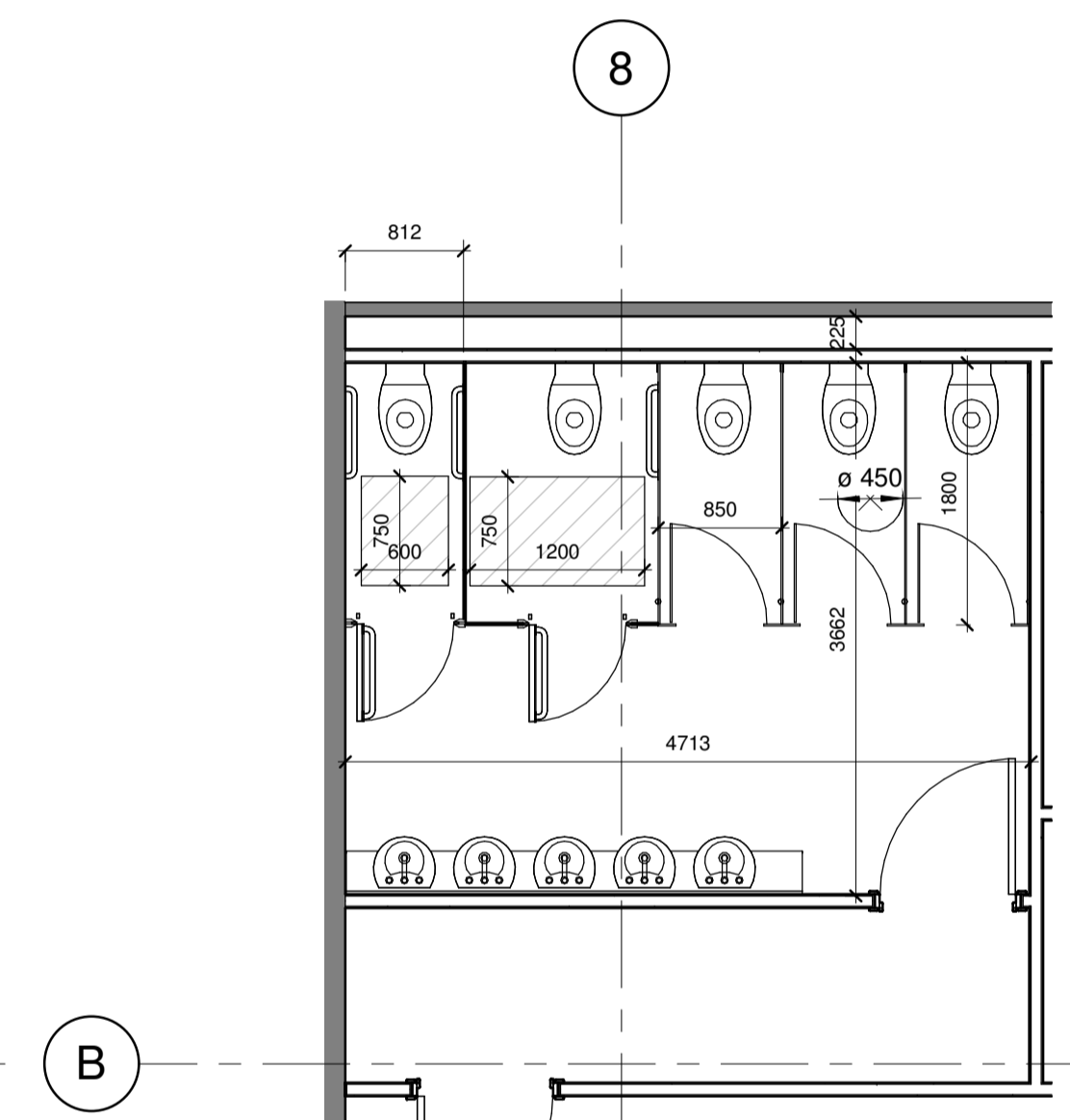
5 Third Floor Mens WC Layout
1 : 50



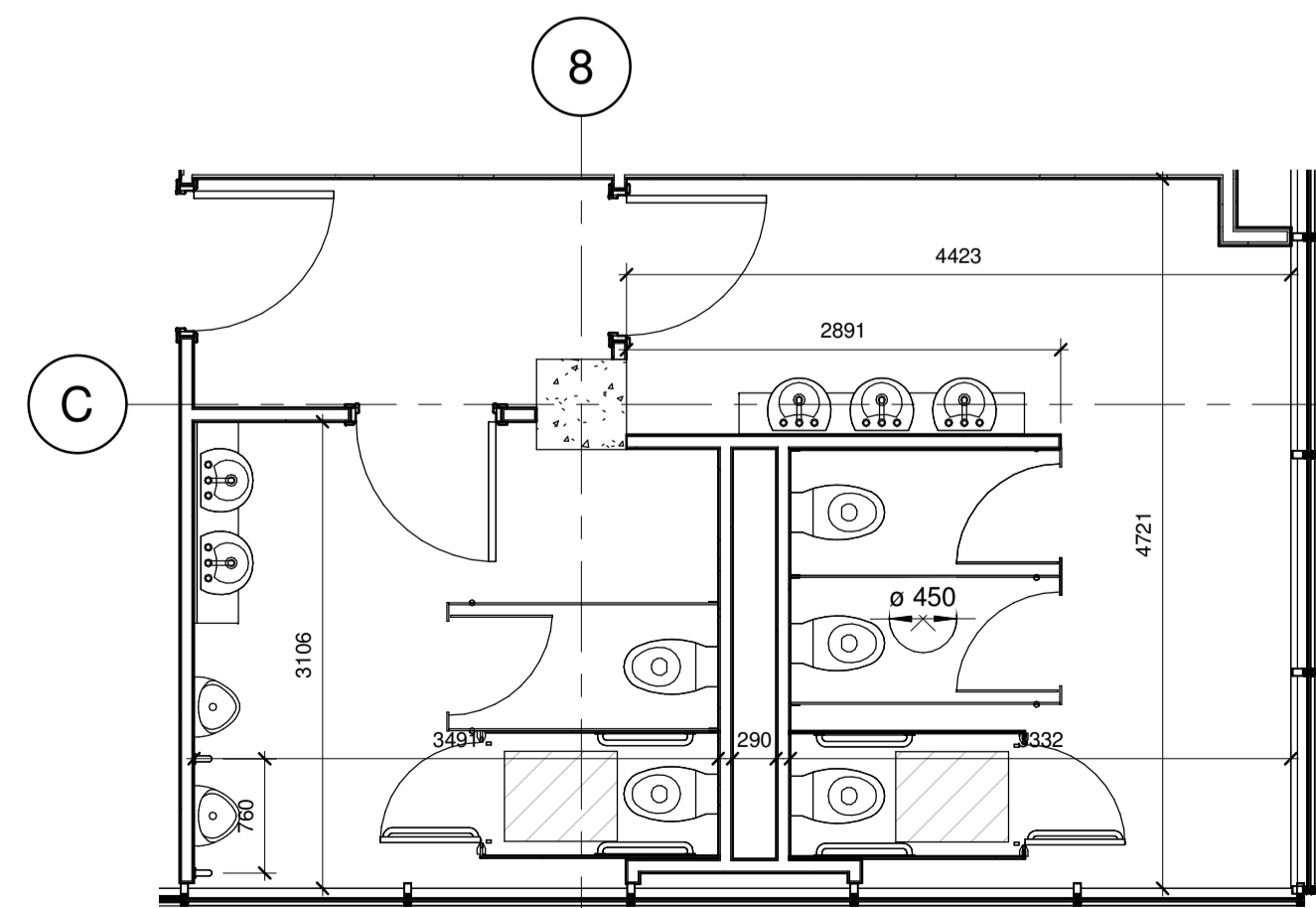
6 Third Floor Womens WC Layout
1 : 50



7 Fourth Floor Mens WC Layout
1 : 50



8 Fourth Floor Womens WC Layout
1 : 50



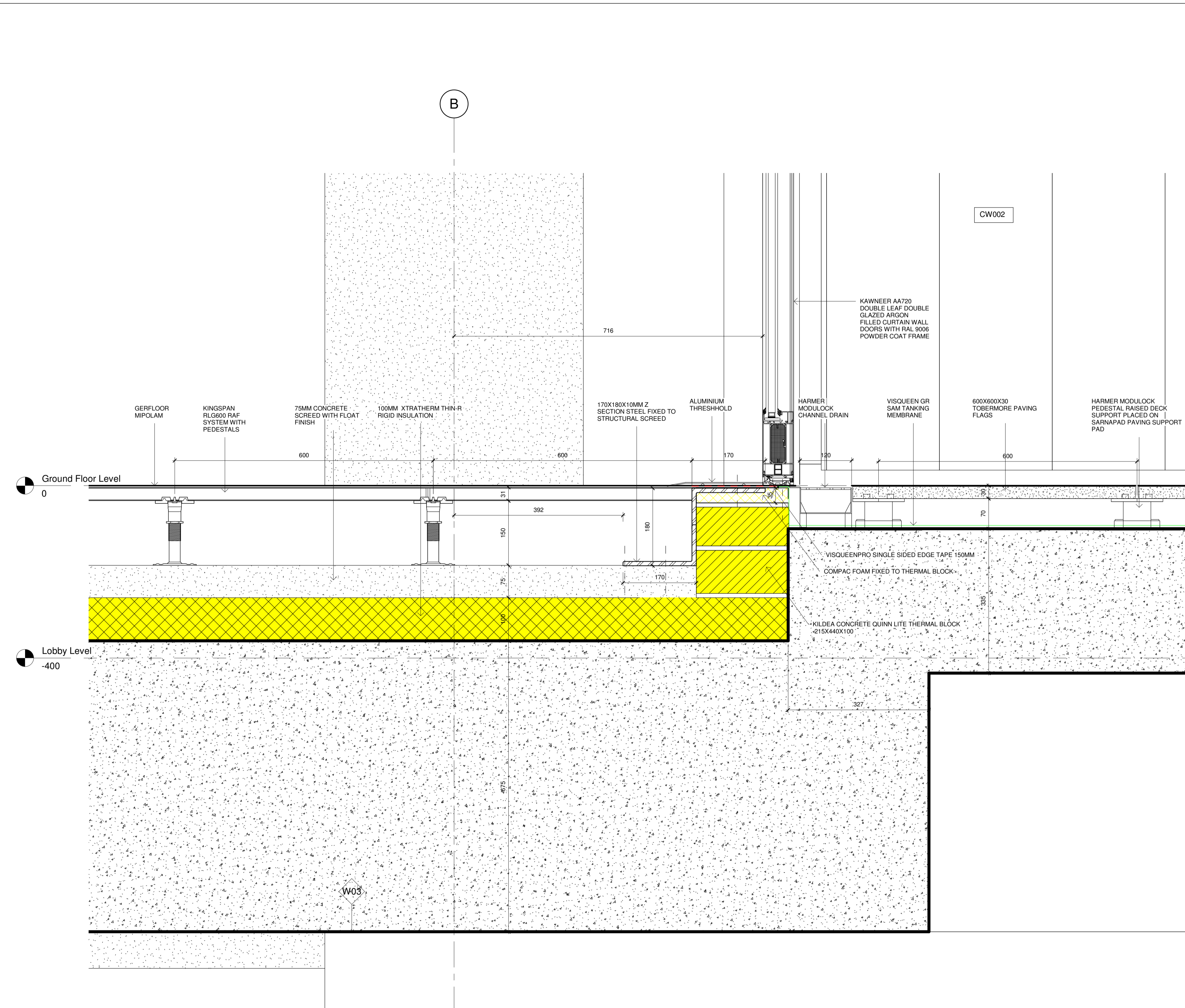
9 Fifth Floor WC Layout
1 : 50



PROJECT
GA Drawings + Details

TITLE
WC Layouts

DRAWN BY Author	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 50	PROJECT NUMBER 03	
DRAWING NUMBER GA021		REV




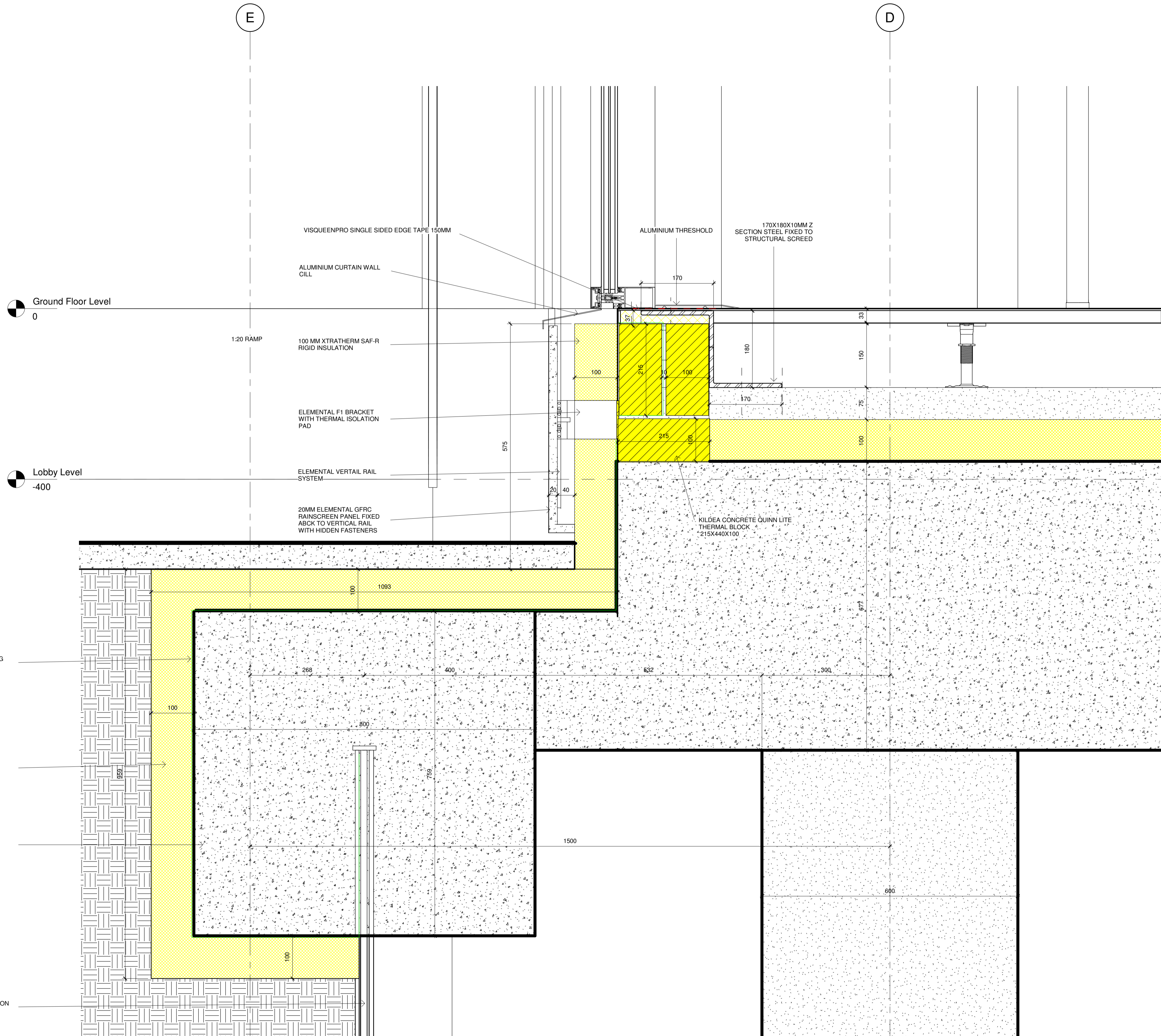
EXTERNAL GROUND BUILD UP
 600X600X30 TOBERMORE PAVING FLAGS COLOUR BUFF
 ON HARMER MODULOCK PEDESTAL RAISED DECK
 SUPPORT PLACED ON SARNAPAD PAVING SUPPORT
 PAD ON VISQUEEN GR SAM TANKING MEMBRANE LAID
 ON 335MM CIS REINFORCED CONCRETE SLAB WITH
 REINFORCEMENT TO ENGINEERS SPECIFICATIONS

GROUND FLOOR: BUILDUP U-VALUE 0.12 W/m²K

GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016
 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED
 ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH
 FLOAT ON 100MM XTRATHERM THIN-R RIGID INSULATION ON
 675MM CIS REINFORCED CONCRETE SLAB WITH FINISH
 WITH ENGINEER SPECIFICATION ON REINFORCEMENT

2 D001 East Ground Floor Detail
 1:5

 <p>MTU Ollscoil Teicneolaíochta na Mumhan Munster Technological University</p>		
PROJECT		
GA Drawings + Details		
TITLE		
East Ground Floor Detail		
DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1:5	PROJECT NUMBER 03	
DRAWING NUMBER GA020		REV



GROUND FLOOR: BUILDUP U-VALUE 0.12 W/m²K

GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 100MM XTRATHERM THIN-R RIGID INSULATION ON 675MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT

VISQUEEN GR SAM TANKING MEMBRANE

100MM XTRATHERM RIGID INSULATION

CIS CONCRETE PILE CAP

AERCELOR MITTAL U SECTION AU14 SHEET PILE

1 D002 Western Gf Detail
1:5



PROJECT

GA Drawings + Details

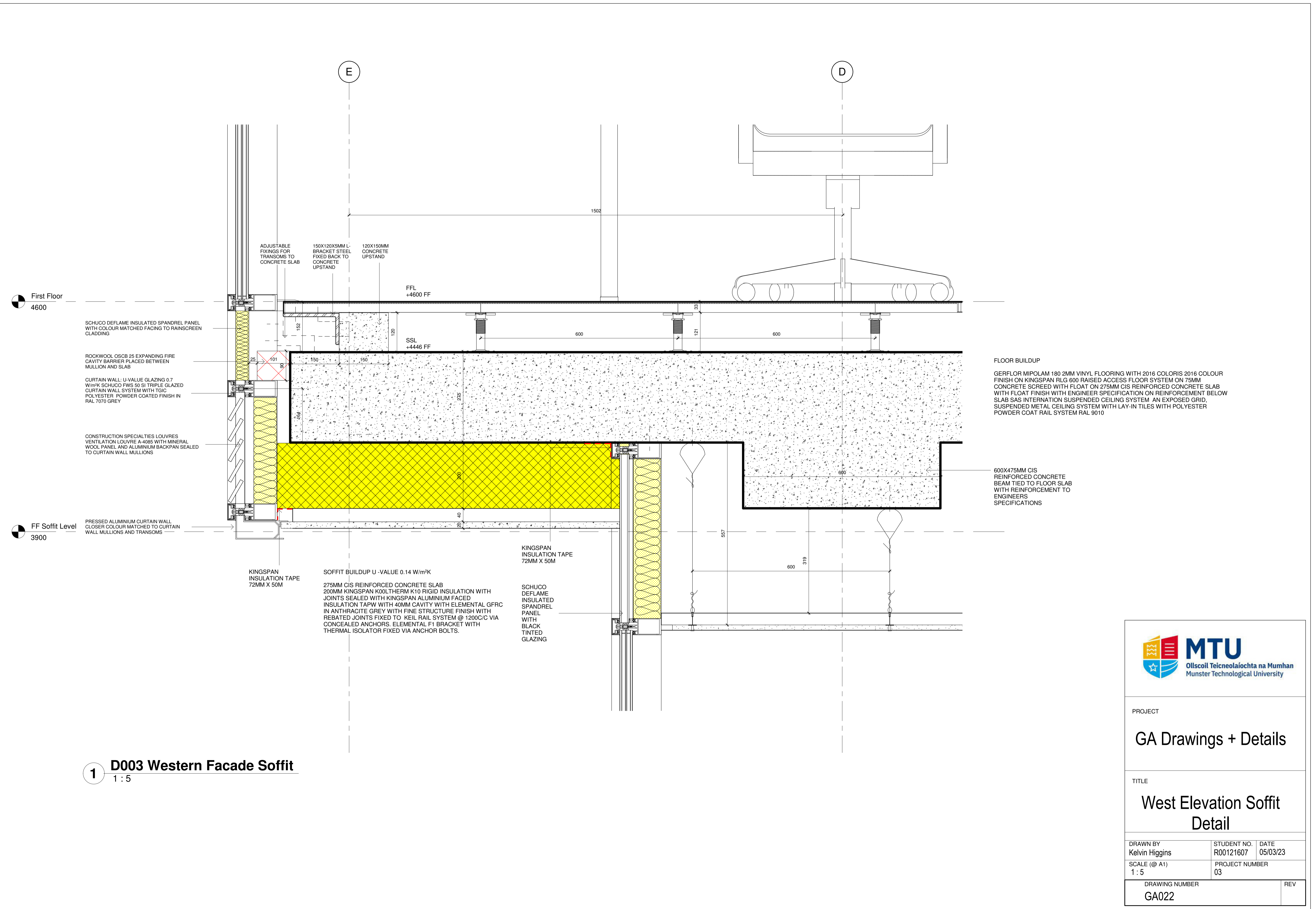
TITLE

West Facade GF Detail

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
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SCALE (@ A1) 1:5	PROJECT NUMBER 03
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DRAWING NUMBER GA021	REV
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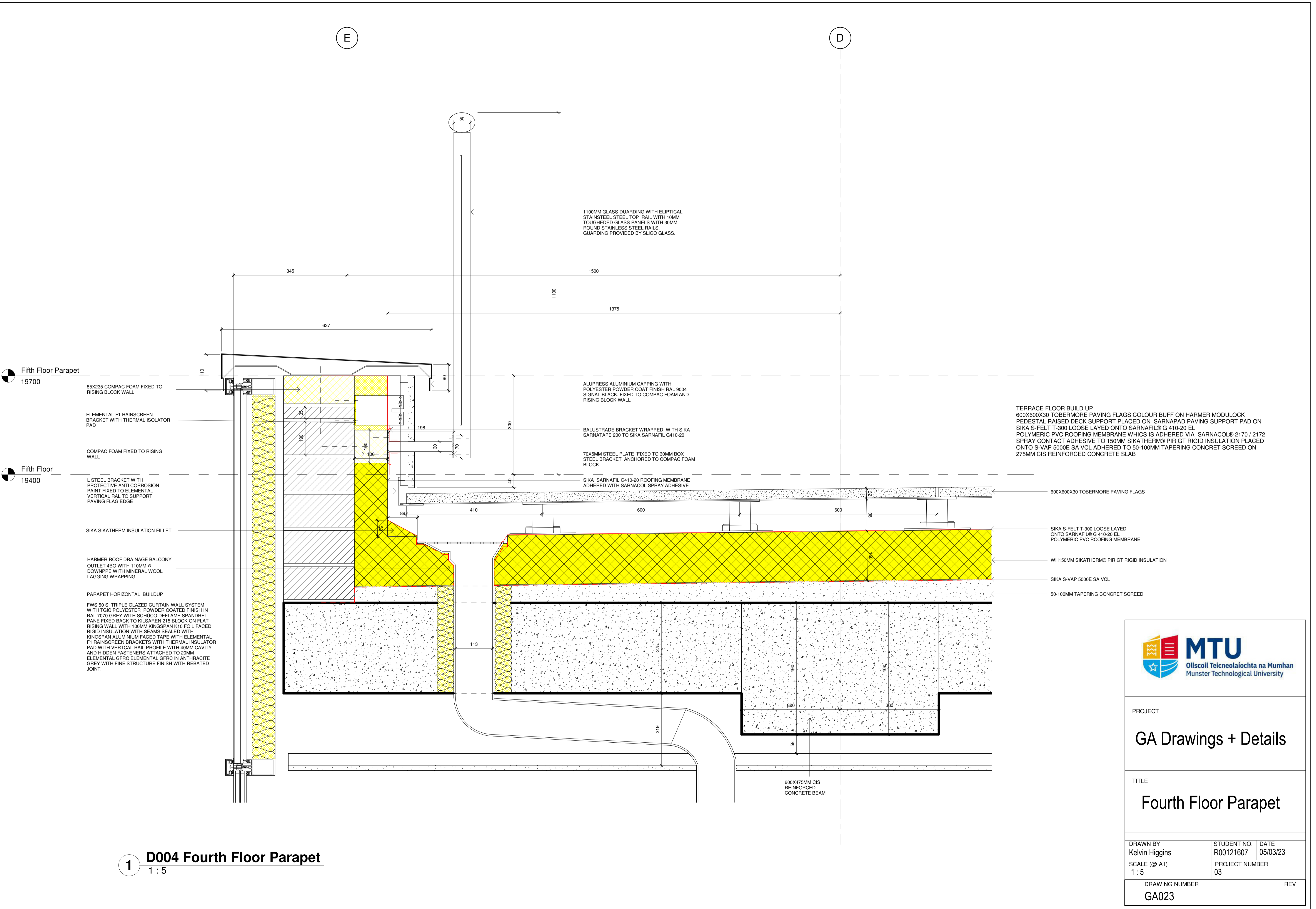


1 D003 Western Facade Soffit
1 : 5

FLOOR BUILDUP
 GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT BELOW SLAB SAS INTERNATIONAL SUSPENDED CEILING SYSTEM AN EXPOSED GRID, SUSPENDED METAL CEILING SYSTEM WITH LAY-IN TILES WITH POLYESTER POWDER COAT RAIL SYSTEM RAL 9010

600X475MM CIS REINFORCED CONCRETE BEAM TIED TO FLOOR SLAB WITH REINFORCEMENT TO ENGINEERS SPECIFICATIONS

 <p>MTU Ollscoil Teicneolaíochta na Mumhan Munster Technological University</p>		
PROJECT		
GA Drawings + Details		
TITLE		
West Elevation Soffit Detail		
DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 5	PROJECT NUMBER 03	
DRAWING NUMBER GA022		REV



Fifth Floor Parapet
19700

Fifth Floor
19400

85X235 COMPAC FOAM FIXED TO RISING BLOCK WALL
ELEMENTAL F1 RAINSCREEN BRACKET WITH THERMAL ISOLATOR PAD
COMPAC FOAM FIXED TO RISING WALL

L STEEL BRACKET WITH PROTECTIVE ANTI CORROSION PAINT FIXED TO ELEMENTAL VERTICAL RAIL TO SUPPORT PAVING FLAG EDGE
SIKA SIKATHERM INSULATION FILLET
HARMER ROOF DRAINAGE BALCONY OUTLET 480 WITH 110MM Ø DOWNPIPE WITH MINERAL WOOL LAGGING WRAPPING

PARAPET HORIZONTAL BUILDUP
FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY WITH SCHÜCO DEFLAME SPANREL PANE FIXED BACK TO KILSAREN 215 BLOCK ON FLAT RISING WALL WITH 100MM KINGSPAN K10 FOIL FACED RIGID INSULATION WITH SEAMS SEALED WITH KINGSPAN ALUMINIUM FACED TAPE WITH ELEMENTAL F1 RAINSCREEN BRACKETS WITH THERMAL ISOLATOR PAD WITH VERTICAL RAIL PROFILE WITH 40MM CAVITY AND HIDDEN FASTENERS ATTACHED TO 20MM ELEMENTAL GFRC ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH REBATED JOINT.

1100MM GLASS DUARDING WITH ELLIPTICAL STAINLESS STEEL TOP RAIL WITH 10MM TOUGHENED GLASS PANELS WITH 30MM ROUND STAINLESS STEEL RAILS. GUARDING PROVIDED BY SUEGO GLASS.

ALUPRESS ALUMINIUM CAPPING WITH POLYESTER POWDER COAT FINISH RAL 9004 SIGNAL BLACK. FIXED TO COMPAC FOAM AND RISING BLOCK WALL

BALUSTRADE BRACKET WRAPPED WITH SIKA SARNATAPE 200 TO SIKA SARNAFIL G410-20

70X5MM STEEL PLATE FIXED TO 30MM BOX STEEL BRACKET ANCHORED TO COMPAC FOAM BLOCK

SIKA SARNAFIL G410-20 ROOFING MEMBRANE ADHERED WITH SARNACOL SPRAY ADHESIVE

TERRACE FLOOR BUILD UP
600X600X30 TOBERMORE PAVING FLAGS COLOUR BUFF ON HARMER MODULOCK PEDESTAL RAISED DECK SUPPORT PLACED ON SARNAPAD PAVING SUPPORT PAD ON SIKA S-FELT T-300 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING CONCRET SCREED ON 275MM CIS REINFORCED CONCRETE SLAB

600X600X30 TOBERMORE PAVING FLAGS

SIKA S-FELT T-300 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL POLYMERIC PVC ROOFING MEMBRANE

WH150MM SIKATHERM® PIR GT RIGID INSULATION

SIKA S-VAP 5000E SA VCL

50-100MM TAPERING CONCRET SCREED

600X475MM CIS REINFORCED CONCRETE BEAM

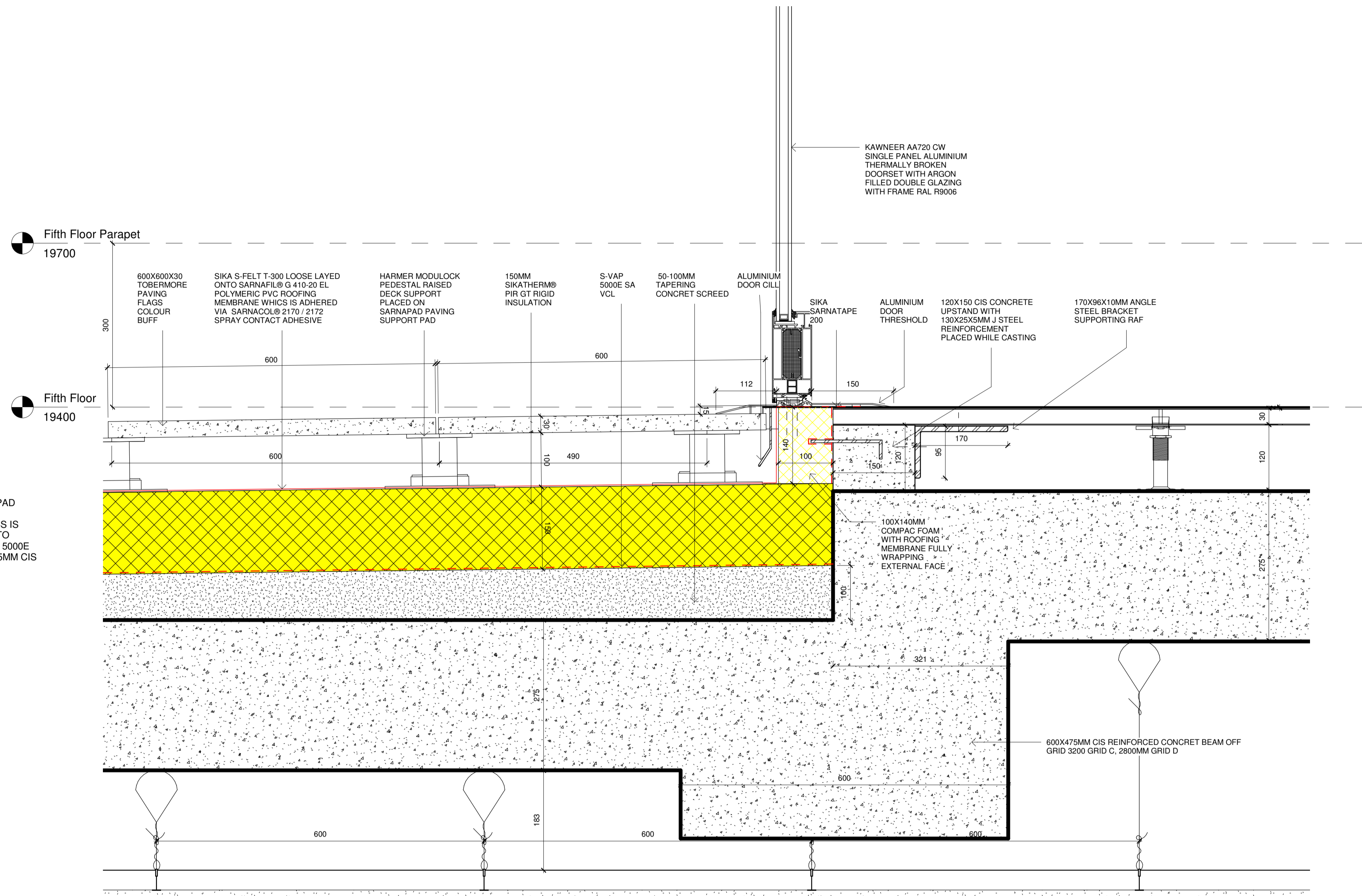


PROJECT
GA Drawings + Details

TITLE
Fourth Floor Parapet

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 5	PROJECT NUMBER 03	
DRAWING NUMBER GA023		REV

1 D004 Fourth Floor Parapet
1 : 5




TERRACE FLOOR BUILD UP

600X600X30 TOBERMORE PAVING FLAGS COLOUR BUFF ON HARMER MODULOCK PEDESTAL RAISED DECK SUPPORT PLACED ON SARNAPAD PAVING SUPPORT PAD ON SIKA S-FELT T-300 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL POLYMERIC PVC ROOFING MEMBRANE WHICH IS ADHERED VIA SARNACOL® 2170 / 2172 SPRAY CONTACT ADHESIVE TO 150MM SIKATHERM® PIR GT RIGID INSULATION PLACED ONTO S-VAP 5000E SA VCL ADHERED TO 50-100MM TAPERING CONCRET SCREED ON 275MM CIS REINFORCED CONCRETE SLAB

INTERNAL FLOOR BUILD UP

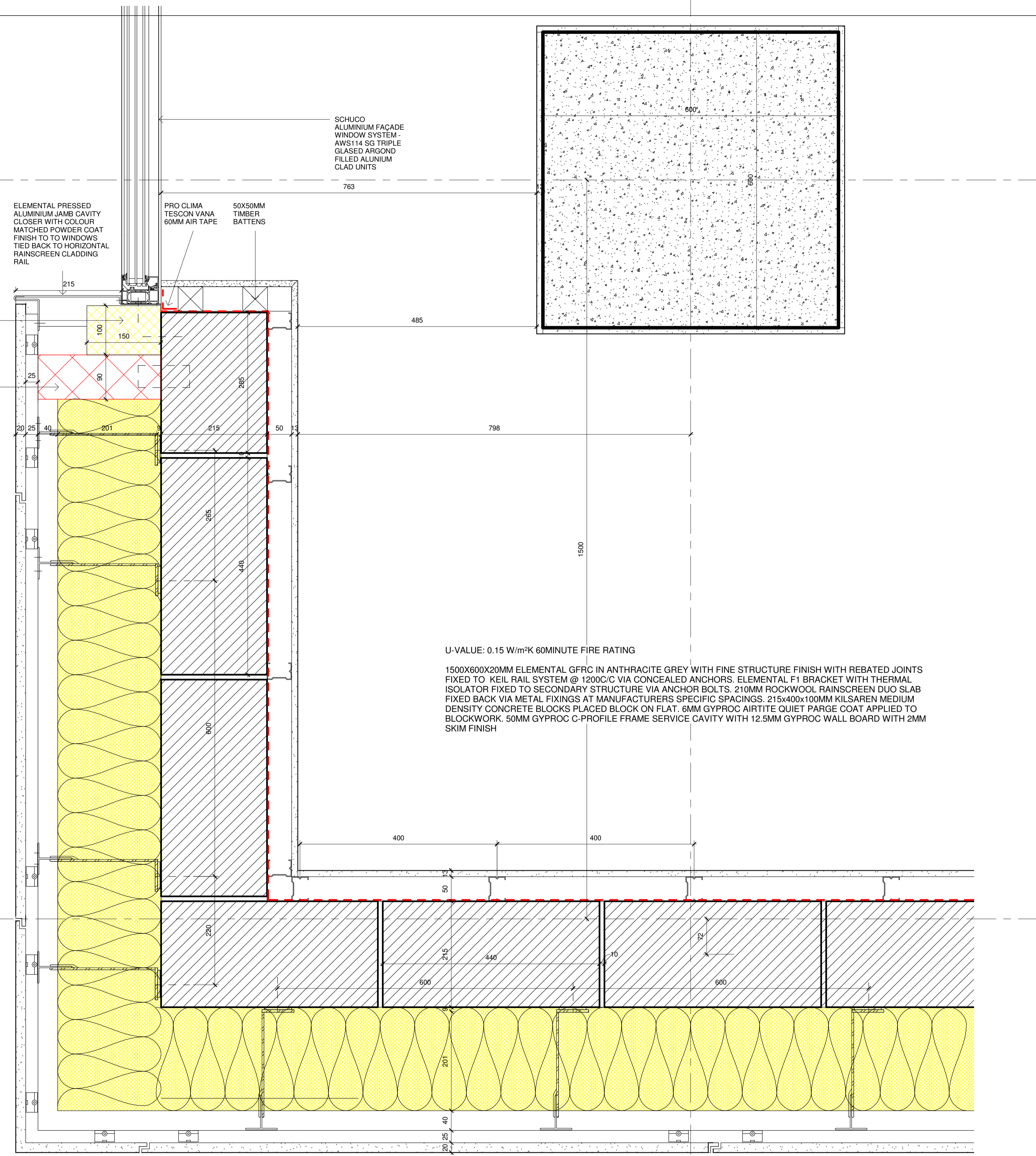
GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT WITH SAS INTERNATIONAL SUSPENDE CEILING SYSTEM AN EXPOSED GRID, 600X600MM SUSPENDE METAL CEILING SYSTEM WITH LAY-IN TILES WITH POLYESTER POWDER COAT RAIL SYSTEM RAL 901

1 D005 Fifth Floor Terrace Entrance
1 : 5

 <p>MTU Ollscoil Teicneolaíochta na Mumhan Munster Technological University</p>		
PROJECT		
GA Drawings + Details		
TITLE		
Fifth Floor Terrace Entrance		
DRAWN BY	STUDENT NO.	DATE
Kelvin Higgins	R00121607	05/03/23
SCALE (@ A1)	PROJECT NUMBER	
1 : 5	03	
DRAWING NUMBER	REV	
GA025		

D

E



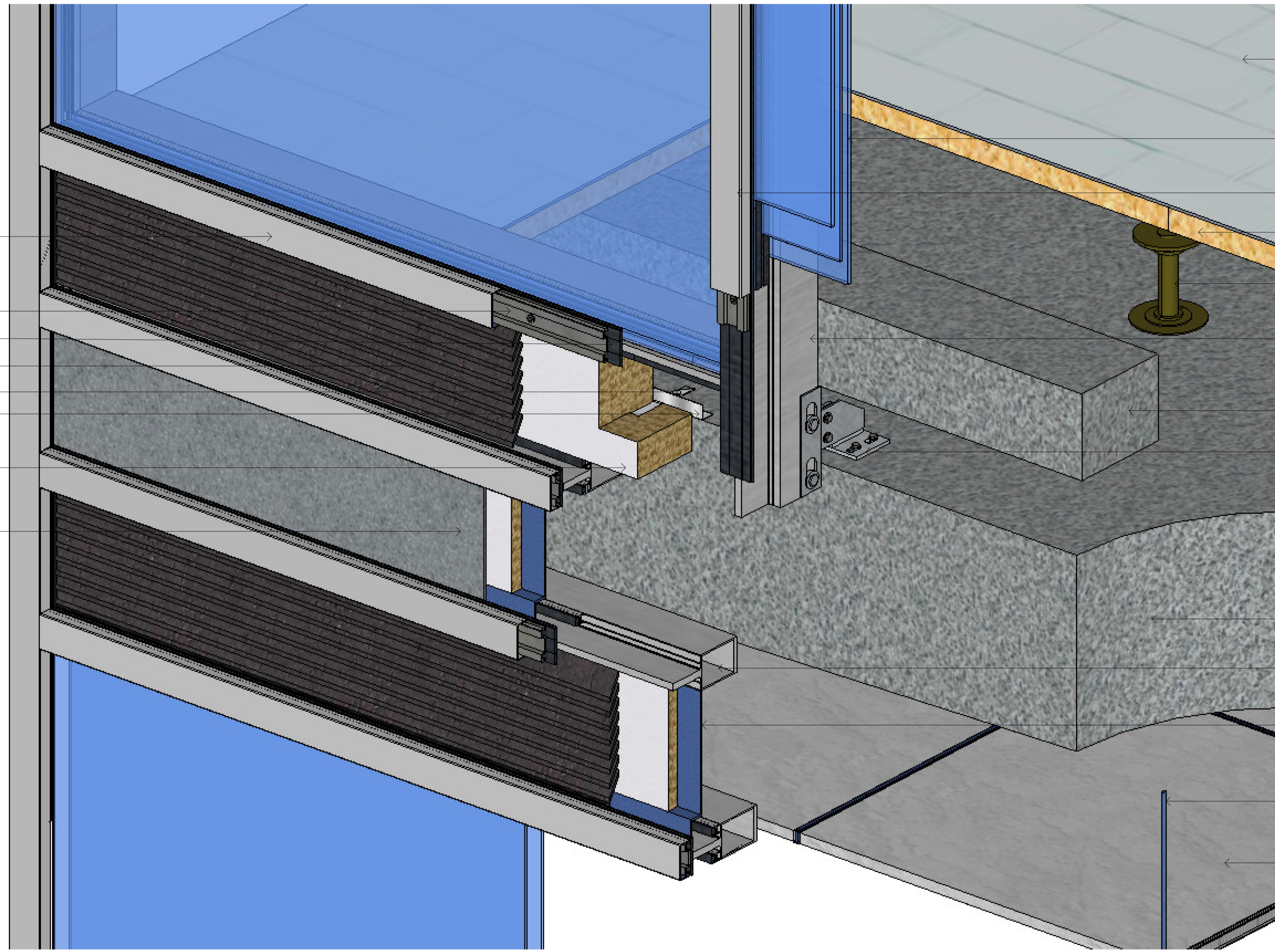
1 D006-FF Window Jamb
1 : 5



PROJECT
GA Drawings + Details

TITLE
Window Jamb / Wall Detail

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 05/03/23
SCALE (@ A1) 1 : 5	PROJECT NUMBER 03	
DRAWING NUMBER GA026		REV



SCHÜCO POWDER COATED ALUMINIUM CAPPING

ALUMINIUM PRESSURE PLATE

RUBBER ISLATOR

ALUMINIUM LOUVRE PANEL

ROCKWOOL STEEL FIRESTOP BRACKET

ROCKWOOL ALU TAPE

ROCKWOOL FIRESTOP

SPANDREL PANEL

GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH

CAREY GLASS TRIPLE GLAZED 6MM HP 51/28 TOUGHENED, BLACK WARM EDGE SPACER BAR, ARGON FILLED

SCHÜCO POWDER COATED ALUMINIUM CAPPING

KINGSPAN RLG600 RASISED ACCESS FLOOR PANEL

KINGSPAN RLG600 RASISED ACCESS FLOOR PEDESTAL

SCHÜCO FAÇADE SYSTEM FWS 50 MULLION

150X105MM CAST IN SITU CONCRETE UPSTAND

HAZMETAL HFB-LH FACADE STEEL SUPPORT BRACKET

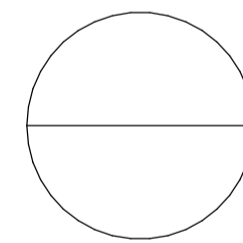
275MM CAST IN SITU REINFORCED CONCRETE FLOOR SLAB

SCHÜCO FAÇADE SYSTEM FWS 50 TRANSOM

3MM ANODIZED ALUMINIUM BACKPAN WITH MINERAL WOOL INSULATION

600X600mm SAS130 ALUGRID SUSPENDED CEILING SYSTEM

SYSTEM 130 15 / 19 PERFORATED PANEL WITH 6mm ACOUSTIC INLAY & 12.5 PLASTERBOARD



3D AXONMETRIC - CURTAIN WALL AT INTERMEDIATE FLOOR LEVEL
SCALE: N/A



PROJECT

Scheduling

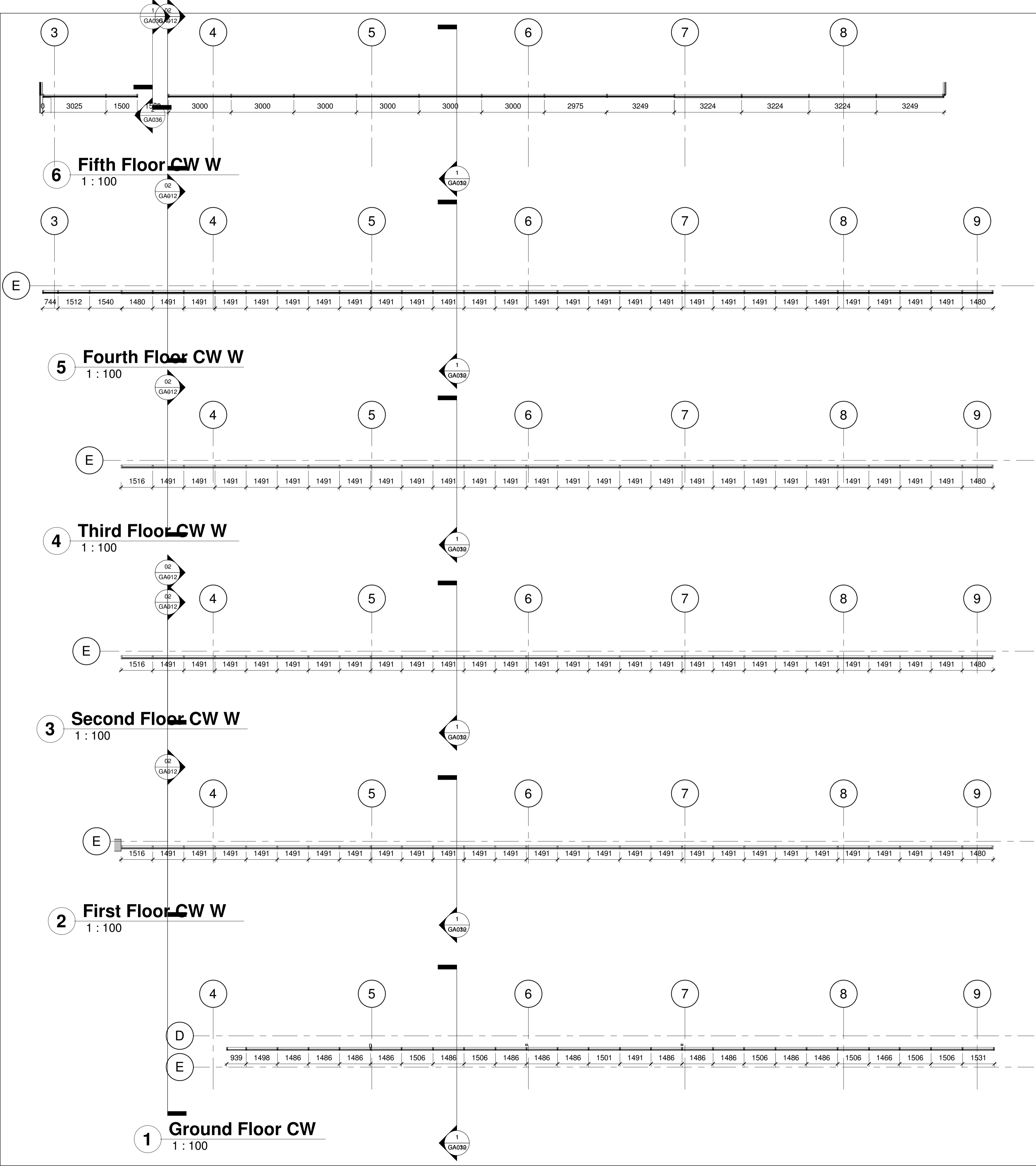
TITLE

CW Axonometric
Intermediate Floor

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 06/04/23
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SCALE (@ A1)	PROJECT NUMBER 02
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DRAWING NUMBER GA037	REV
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SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH 85MM X 50MM MULLIONS AND TRANSOMS U-VALUE = 0.7 W/(m²K)

SCHUCO FWS 50 SI ALUMINIUM CAPPINGS WITH TGIC POLYESTER. POWDER COATED FINISH IN RAL 7070 GREY CAREY GLASS TRIPLE GLAZED 6MM HP 51/28 TOUGHENED, BLACK WARM EDGE SPACER BAR, ARGON FILLED

CS LOUVRES VENTILATION LOUVRE A-4085 PANEL WITH VISIBLE MULLIONS

SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH 85MM X 50MM MULLIONS AND TRANSOMS U-VALUE = 0.7 W/(m²K)

SCHUCO FWS 50 SI ALUMINIUM CAPPINGS WITH TGIC POLYESTER. POWDER COATED FINISH IN RAL 7070 GREY CAREY GLASS TRIPLE GLAZED 6MM HP 51/28 TOUGHENED, BLACK WARM EDGE SPACER BAR, ARGON FILLED

SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH 85MM X 50MM MULLIONS AND TRANSOMS U-VALUE = 0.7 W/(m²K)

SCHUCO FWS 50 SI ALUMINIUM CAPPINGS WITH TGIC POLYESTER. POWDER COATED FINISH IN RAL 7070 GREY CAREY GLASS TRIPLE GLAZED 6MM HP 51/28 TOUGHENED, BLACK WARM EDGE SPACER BAR, ARGON FILLED

SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH 85MM X 50MM MULLIONS AND TRANSOMS U-VALUE = 0.7 W/(m²K)


SCHUCO FWS 50 SI ALUMINIUM CAPPINGS WITH TGIC POLYESTER. POWDER COATED FINISH IN RAL 7070 GREY CAREY GLASS TRIPLE GLAZED 6MM HP 51/28 TOUGHENED, BLACK WARM EDGE SPACER BAR, ARGON FILLED

SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH 85MM X 50MM MULLIONS AND TRANSOMS U-VALUE = 0.7 W/(m²K)

SCHUCO FWS 50 SI ALUMINIUM CAPPINGS WITH TGIC POLYESTER. POWDER COATED FINISH IN RAL 7070 GREY CAREY GLASS TRIPLE GLAZED 6MM HP 51/28 TOUGHENED, BLACK WARM EDGE SPACER BAR, ARGON FILLED

SCHUCO FWS 50 SI TRIPLE GLAZED CURTAIN WALL SYSTEM WITH 85MM X 50MM MULLIONS AND TRANSOMS U-VALUE = 0.7 W/(m²K)

SCHUCO FWS 50 SI ALUMINIUM CAPPINGS WITH TGIC POLYESTER. POWDER COATED FINISH IN RAL 7070 GREY CAREY GLASS TRIPLE GLAZED 6MM HP 51/28 TOUGHENED, BLACK WARM EDGE SPACER BAR, ARGON FILLED



MTU
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Munster Technological University

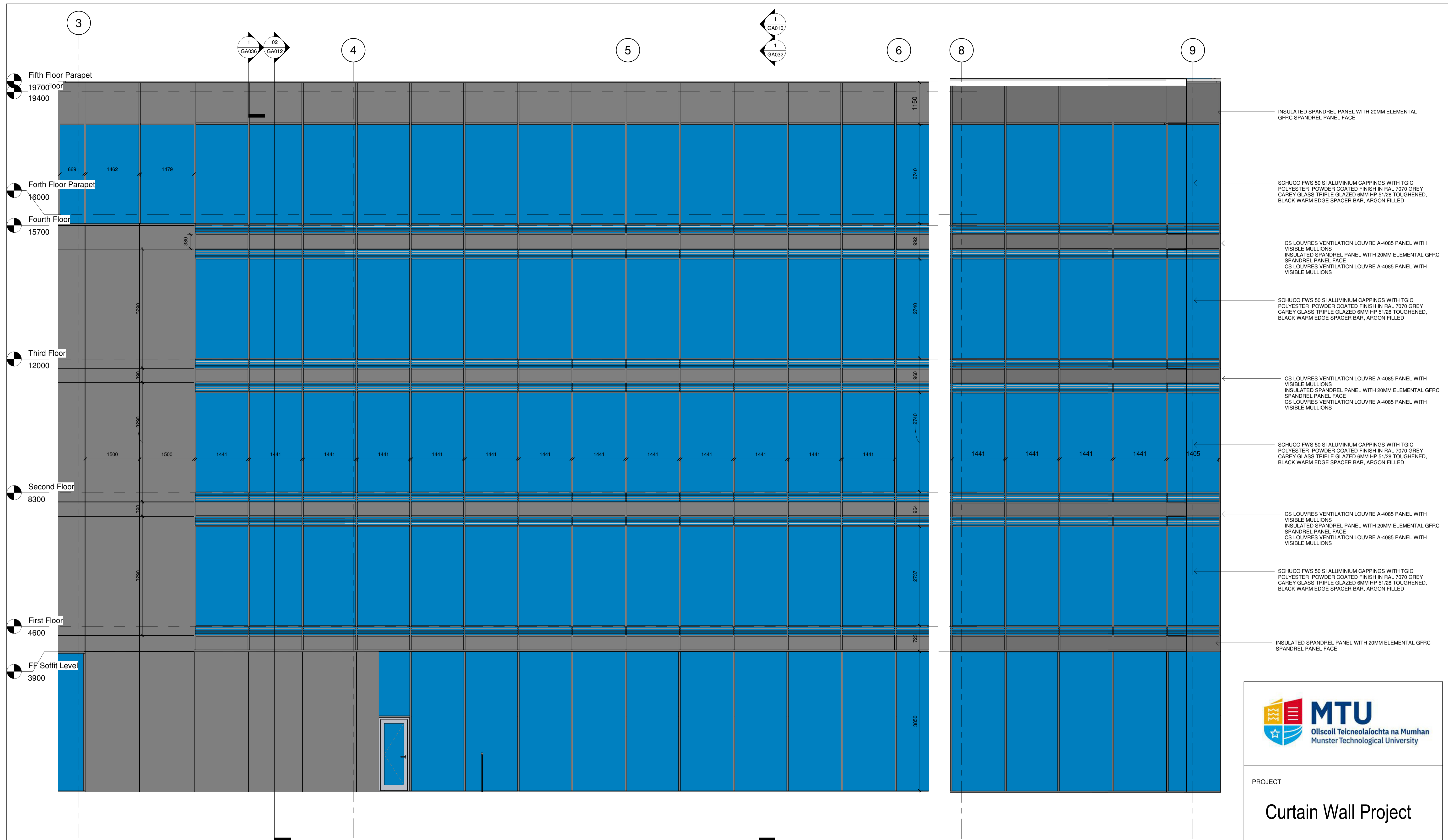
PROJECT

Curtain Wall Project


TITLE

Setting Out Plan & Glazing Elevation - West

DRAWN BY Kelvin Higgins	PROJECT NO. R00121607	DATE 06/04/23
SCALE (@ A1) 1 : 100	PROJECT NUMBER 02	
DRAWING NUMBER GA028 A		REV



1 West Elevation - CW Glazing Elevation
1 : 50



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Munster Technological University

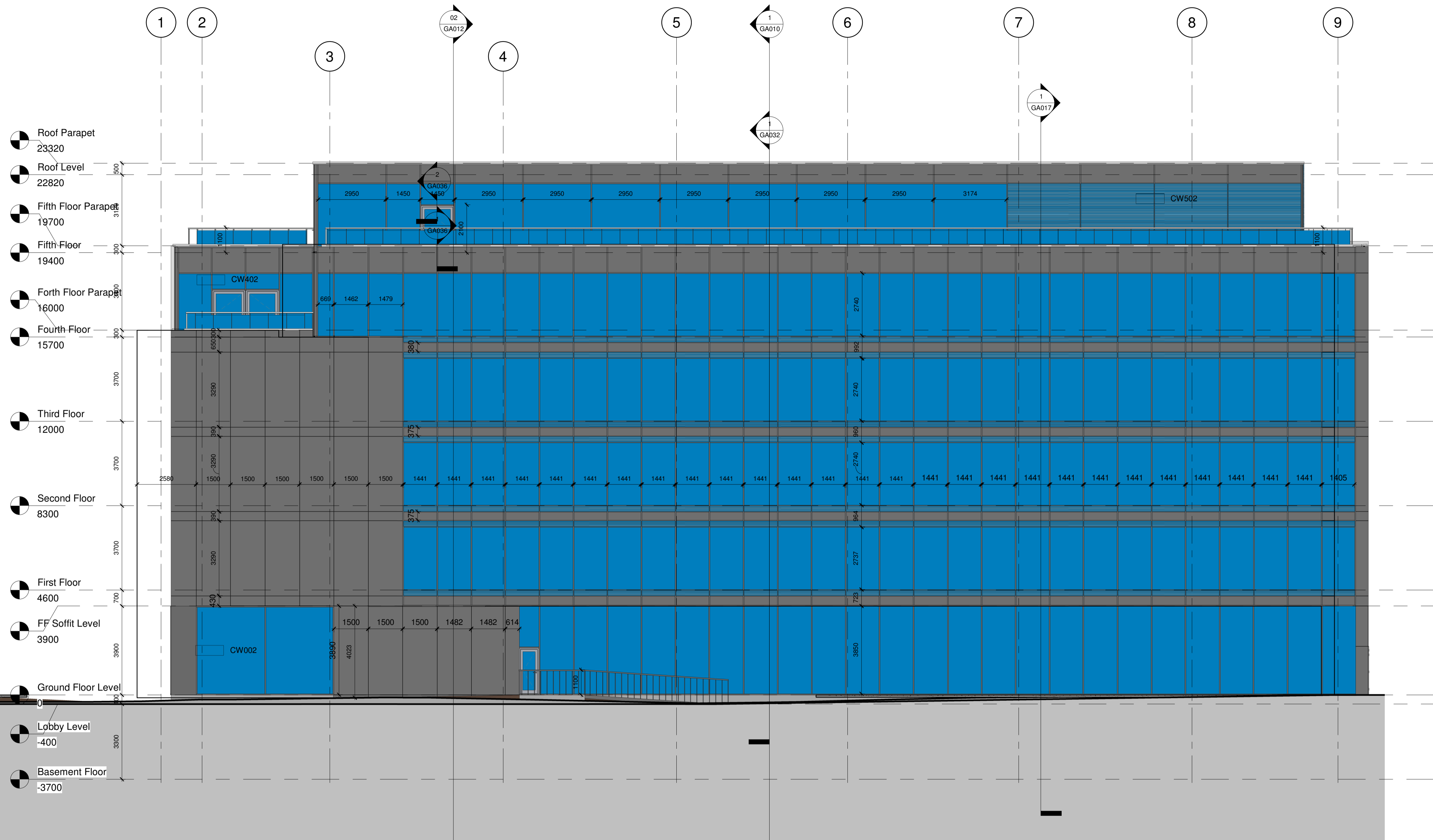
PROJECT

Curtain Wall Project

TITLE

Setting Out Plan & Glazing Elevation West

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 06/04/23
SCALE (@ A1) 1 : 50	PROJECT NUMBER 02	
DRAWING NUMBER GA028 B		REV



GUARDING
 1100MM GLASS DUARDING WITH ELLIPTICAL STAINLESS STEEL TOP RAIL WITH 10MM TOUGHENED GLASS PANELS WITH 30MM ROUND STAINLESS STEEL RAILS. GUARDING PROVIDED BY SLIGO GLASS


PARAPET CAPPING
 PRESSED ALUMINIUM PARAPET CAPPING FLASHINGS AND CILLS PROVIDED BY ALUPRESS WITH POLYESTER POWDER COATING WITH RAL 9004 SIGNAL BLACK COLOUR.

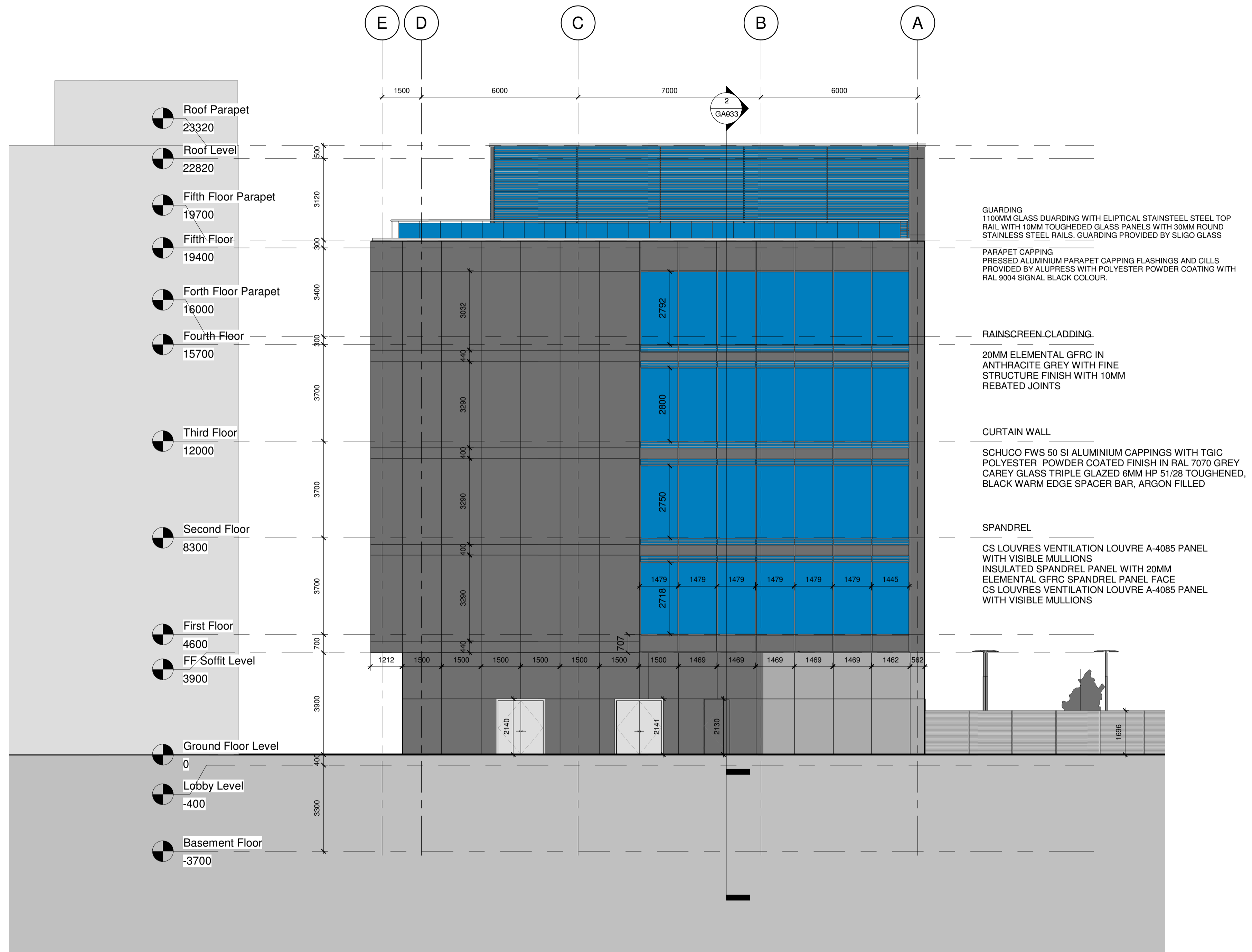
RAINSCREEN CLADDING
 20MM ELEMENTAL GFRC IN ANTHRACITE GREY WITH FINE STRUCTURE FINISH WITH 10MM REBATED JOINTS

CURTAIN WALL
 SCHUCO FWS 50 SI ALUMINIUM CAPPINGS WITH TGIC POLYESTER POWDER COATED FINISH IN RAL 7070 GREY CAREY GLASS TRIPLE GLAZED 6MM HP 51/28 TOUGHENED, BLACK WARM EDGE SPACER BAR, ARGON FILLED U-VALUE = 0.7 W/(m²K)


SPANDREL
 CS LOUVRES VENTILATION LOUVRE A-4085 PANEL WITH VISIBLE MULLIONS
 INSULATED SPANDREL PANEL WITH 20MM ELEMENTAL GFRC SPANDREL PANEL FACE
 CS LOUVRES VENTILATION LOUVRE A-4085 PANEL WITH VISIBLE MULLIONS

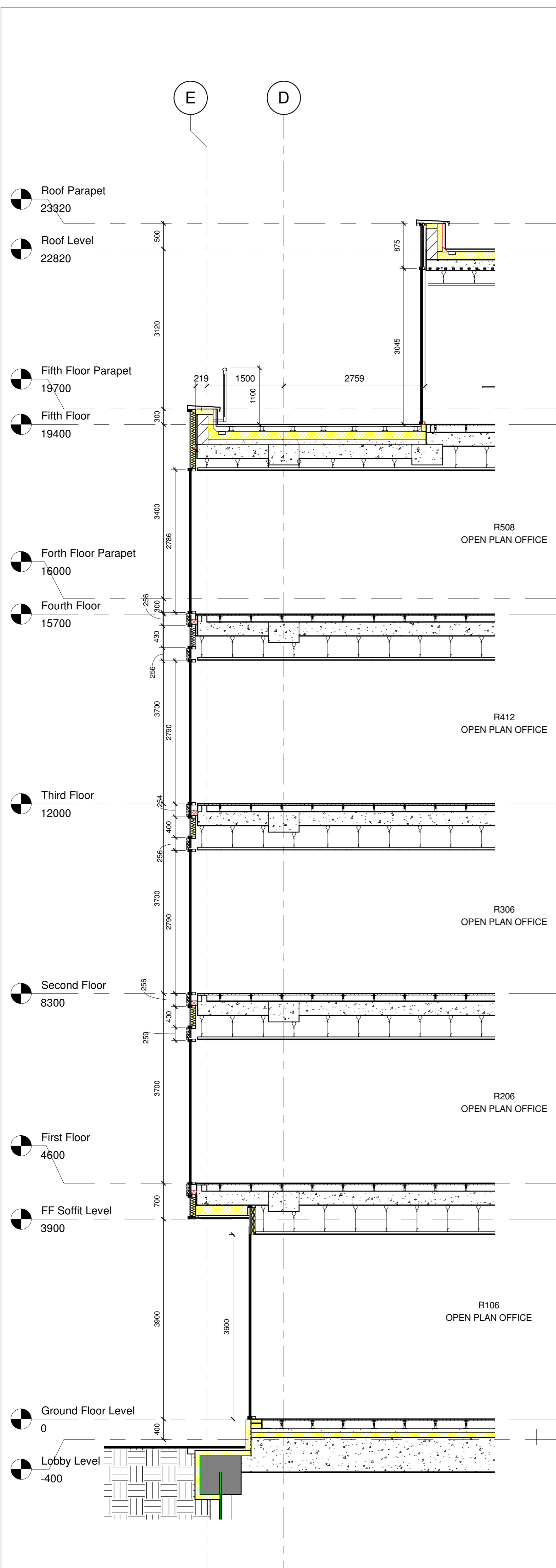
1 West Elevation - CW
 1 : 100

 <p>MTU Ollscoil Teicneolaíochta na Mumhan Munster Technological University</p>		
PROJECT		
Curtain Wall Project		
TITLE		
CW - West Elevation		
DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 06/04/23
SCALE (@ A1) 1 : 100	PROJECT NUMBER 02	
DRAWING NUMBER GA030		REV



1 South Elevation - CW
1 : 100

 <p>MTU Ollscoil Teicneolaíochta na Mumhan Munster Technological University</p>		
PROJECT		
Curtain Wall Project		
TITLE		
CW - South Elevation		
DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 06/04/23
SCALE (@ A1) 1 : 100	PROJECT NUMBER 02	
DRAWING NUMBER GA031		REV



ROOF BUILDUP 0.11 W/m²K
 30MM LOOSE LIMESTONE GRAVEL ON SIKAS-FELT T-300
 LOOSE LAYED ONTO SARNAFIL® G 410-20 EL
 POLYMERIC PVC ROOFING MEMBRANE WHICH IS
 ADHERED VIA SARNACOL® 2170 / 2172 SPRAY CONTACT
 ADHESIVE TO 150MM SIKATHERM® PIR GT RIGID
 INSULATION PLACED ONTO S-VAP 6000E SA VCL
 ADHERED TO 50-100MM TAPERING CONCRETE SCREED ON
 TATA STEEL D100 COMPOSITE DECK WITH 150MM CIS
 CONCRETE

PARAPET CAPPING
 ALUPRESS ALUMINIUM CAPPING WITH POLYESTER
 POWDER COAT FINISH RAL 9004 SIGNAL BLACK.

TERRACE FLOOR BUILDUP U-VALUE 0.11 W/m²K
 600X600 TOBERMORE PAVING FLAGS COLOUR BUFF
 ON HARMER MODULOCK PEDESTAL RAISED DECK
 SUPPORT PLACED ON SARNAPAD PAVING SUPPORT
 PAD ON SIKAS-FELT T-300 LOOSE LAYED ONTO
 SARNAFIL® G 410-20 EL
 POLYMERIC PVC ROOFING MEMBRANE WHICH IS
 ADHERED VIA SARNACOL® 2170 / 2172 SPRAY
 CONTACT ADHESIVE TO 150MM SIKATHERM® PIR GT
 RIGID INSULATION PLACED ONTO S-VAP 5000E SA
 VCL ADHERED TO 50-100MM TAPERING CONCRETE
 SCREED ON 275MM CIS REINFORCED CONCRETE
 SLAB WITH ROCKWOOL OSCB FIRESTOP AT EACH
 FLOOR

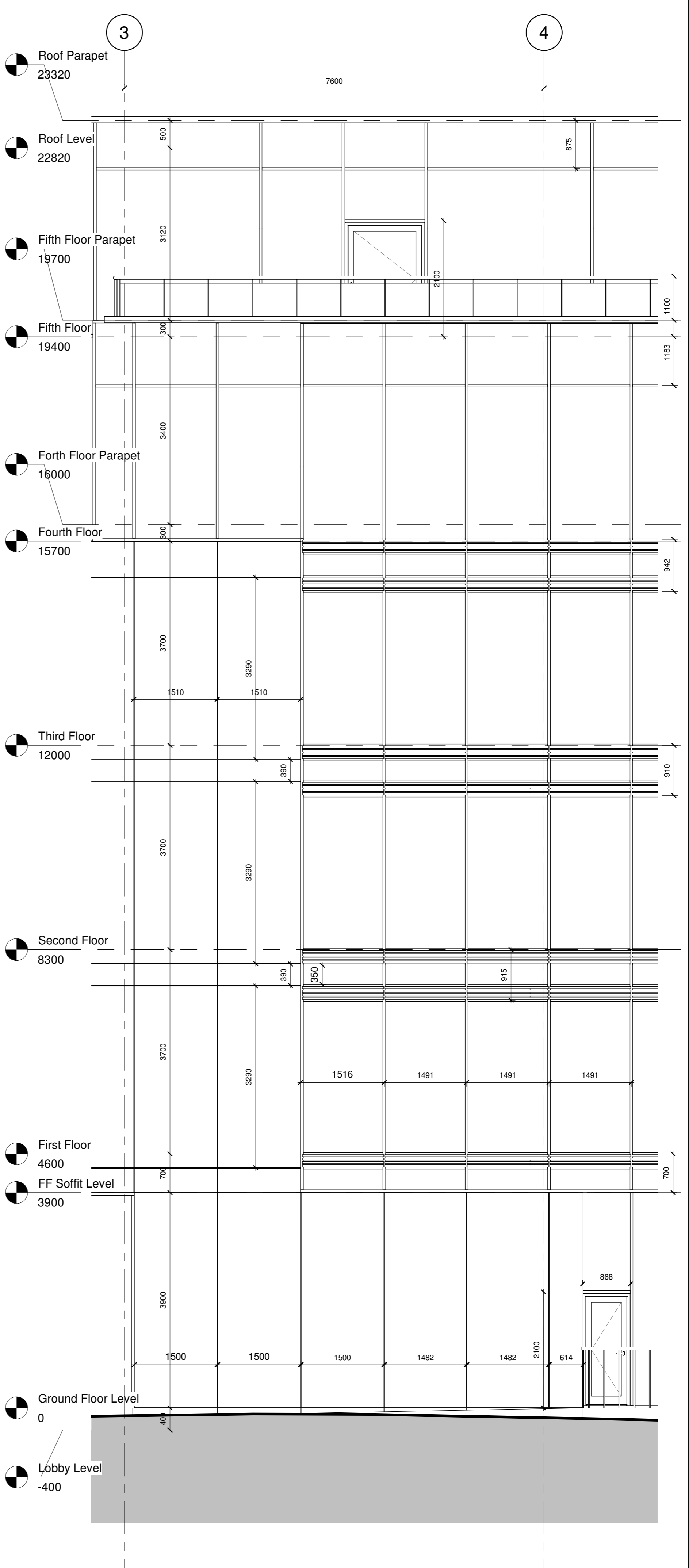
INTERMEDIATE FLOORS: BUILDUP
 GERFLOR MIPOLAM 180 2MM VINYL
 FLOORING WITH 2016 COLORIS 2016
 COLOUR FINISH ON KINGSPAN RLG 600
 RAISED ACCESS FLOOR SYSTEM ON
 75MM CONCRETE SCREED WITH
 FLOAT ON 275MM CIS REINFORCED
 CONCRETE SLAB WITH FLOAT FINISH
 WITH ENGINEER SPECIFICATION ON
 REINFORCEMENT BELOW SLAB SAS
 INTERNATION SUSPENDED CEILING
 SYSTEM AN EXPOSED GRID,
 SUSPENDED METAL CEILING SYSTEM
 WITH LAY-IN TILES WITH POLYESTER
 POWDER COAT RAIL SYSTEM RAL
 9010

LOBBY FLOOR BUILDUP: U-VALUE 0.12
 W/m²K
 GERFLOR MIPOLAM 180 2MM VINYL
 FLOORING WITH 2016 COLORIS 2016
 COLOUR FINISH ON 50MM CIS CONCRETE
 SCREED WITH FLOAT FINISH ON 100MM
 XTRATHERM THIN-R RIGID INSULATION
 ON 275MM CIS REINFORCED CONCRETE
 SLAB WITH FLOAT FINISH


GROUND FLOOR: BUILDUP U-VALUE 0.12
 W/m²K
 GERFLOR MIPOLAM 180 2MM VINYL
 FLOORING WITH 2016 COLORIS 2016
 COLOUR FINISH ON KINGSPAN RLG 600
 RAISED ACCESS FLOOR SYSTEM ON
 75MM CONCRETE SCREED WITH FLOAT
 ON 100MM XTRATHERM THIN-R RIGID
 INSULATION ON 675MM CIS REINFORCED
 CONCRETE SLAB WITH FLOAT FINISH
 WITH ENGINEER SPECIFICATION ON
 REINFORCEMENT

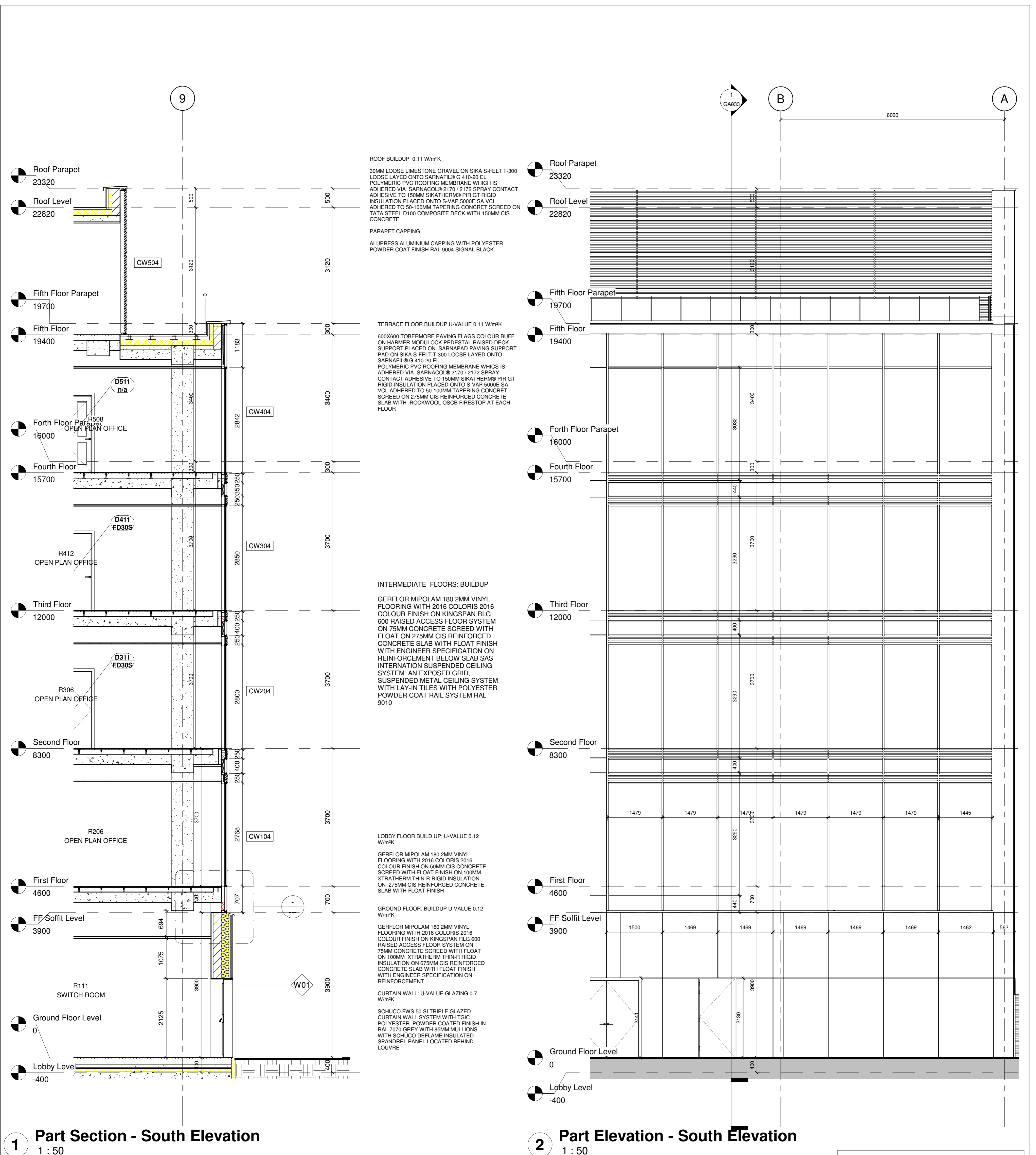
CURTAIN WALL: U-VALUE GLAZING 0.7
 W/m²K
 SCHUCCO FWS 50 SI TRIPLE GLAZED
 CURTAIN WALL SYSTEM WITH TGIC
 POLYESTER POWDER COATED FINISH IN
 RAL 7070 GREY WITH 85MM MULLIONS
 WITH SCHUCCO DEFLAME INSULATED
 SPANDREL PANEL LOCATED BEHIND
 LOUVRE

1 CW - West Part Section
 1 : 50



2 Part Elevation - West
 1 : 50

 MTU Ollscoil Teicneolaíochta na Mumhan Munster Technological University		
TITLE		
Curtain Wall Project		
CLIENT		
Part Section and Elevation - West		
Derek O Leary		
DRAWN BY	STUDENT NO.	DATE
Kelvin Higgins	R00121607	06/04/23
SCALE (@ A1)	PROJECT NUMBER	
1 : 50	02	
DRAWING NUMBER		REV
GA032		



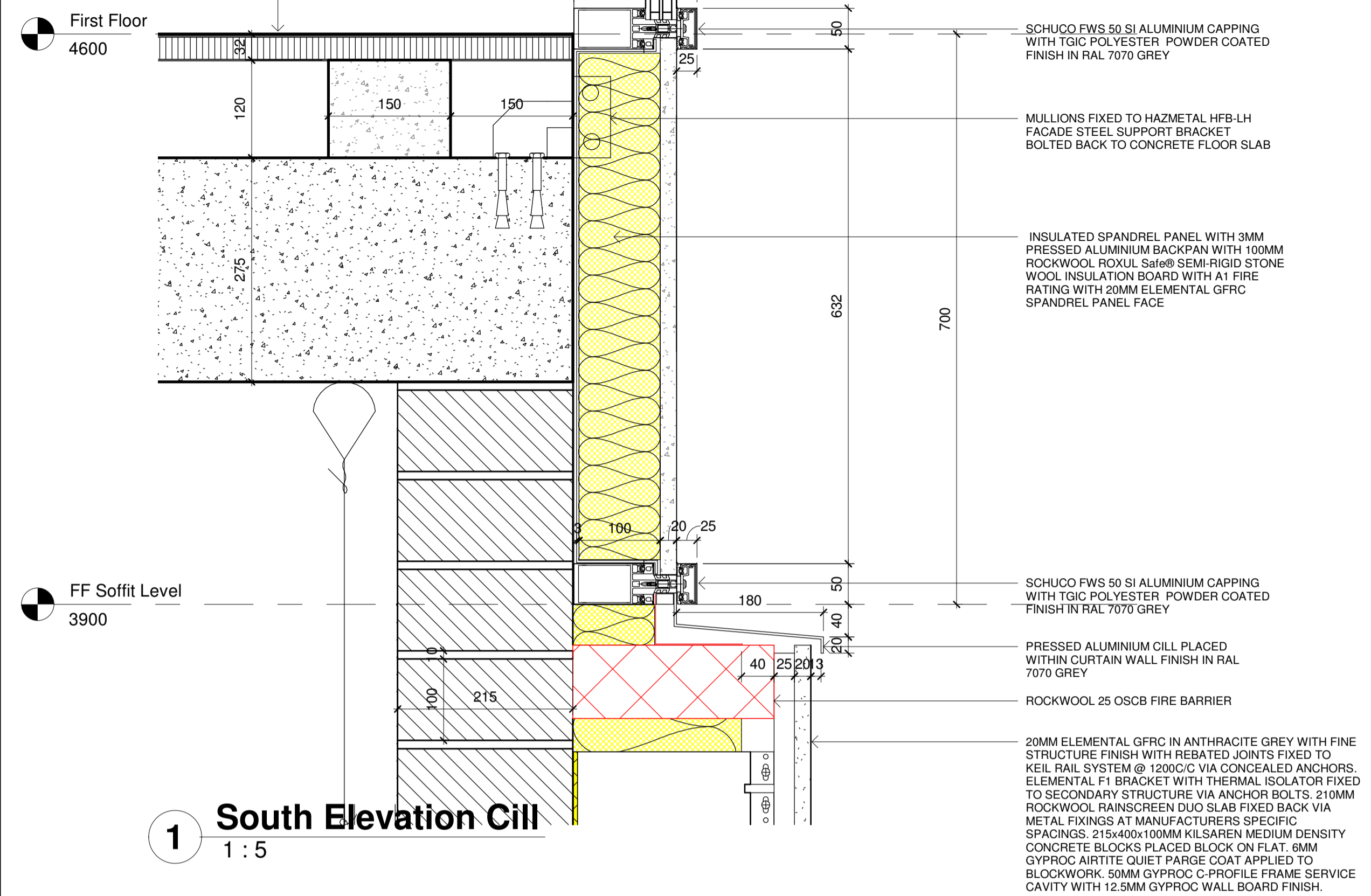
MTU
Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

TITLE
Curtain Wall Project

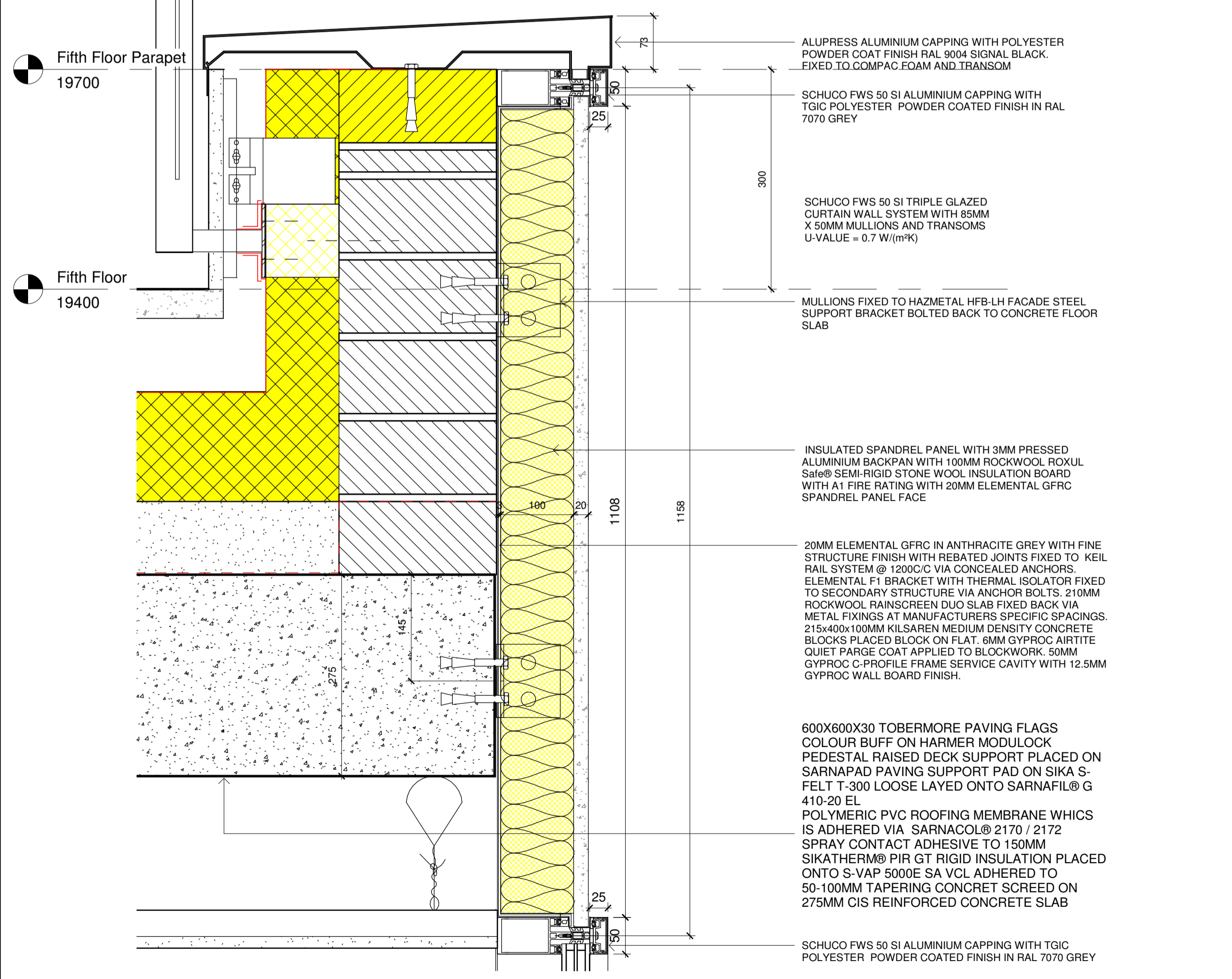
CLIENT
Part Section and Elevation - South
Derek O Leary

DRAWN BY Kelvin Higgins	STUDENT NO. R0121607	DATE 06/04/23
SCALE (@ A1) 1 : 50	PROJECT NUMBER 02	
DRAWING NUMBER GA033		REV

GERFLOR MIPOLAM 180 2MM VINYL FLOORING WITH 2016 COLORIS 2016 COLOUR FINISH ON KINGSPAN RLG 600 RAISED ACCESS FLOOR SYSTEM ON 75MM CONCRETE SCREED WITH FLOAT ON 275MM CIS REINFORCED CONCRETE SLAB WITH FLOAT FINISH WITH ENGINEER SPECIFICATION ON REINFORCEMENT BELOW SLAB SAS INTERNATION SUSPENDED CEILING SYSTEM AN EXPOSED GRID, SUSPENDED METAL CEILING SYSTEM WITH LAY-IN TILES WITH POLYESTER POWDER COAT RAIL SYSTEM RAL 9010



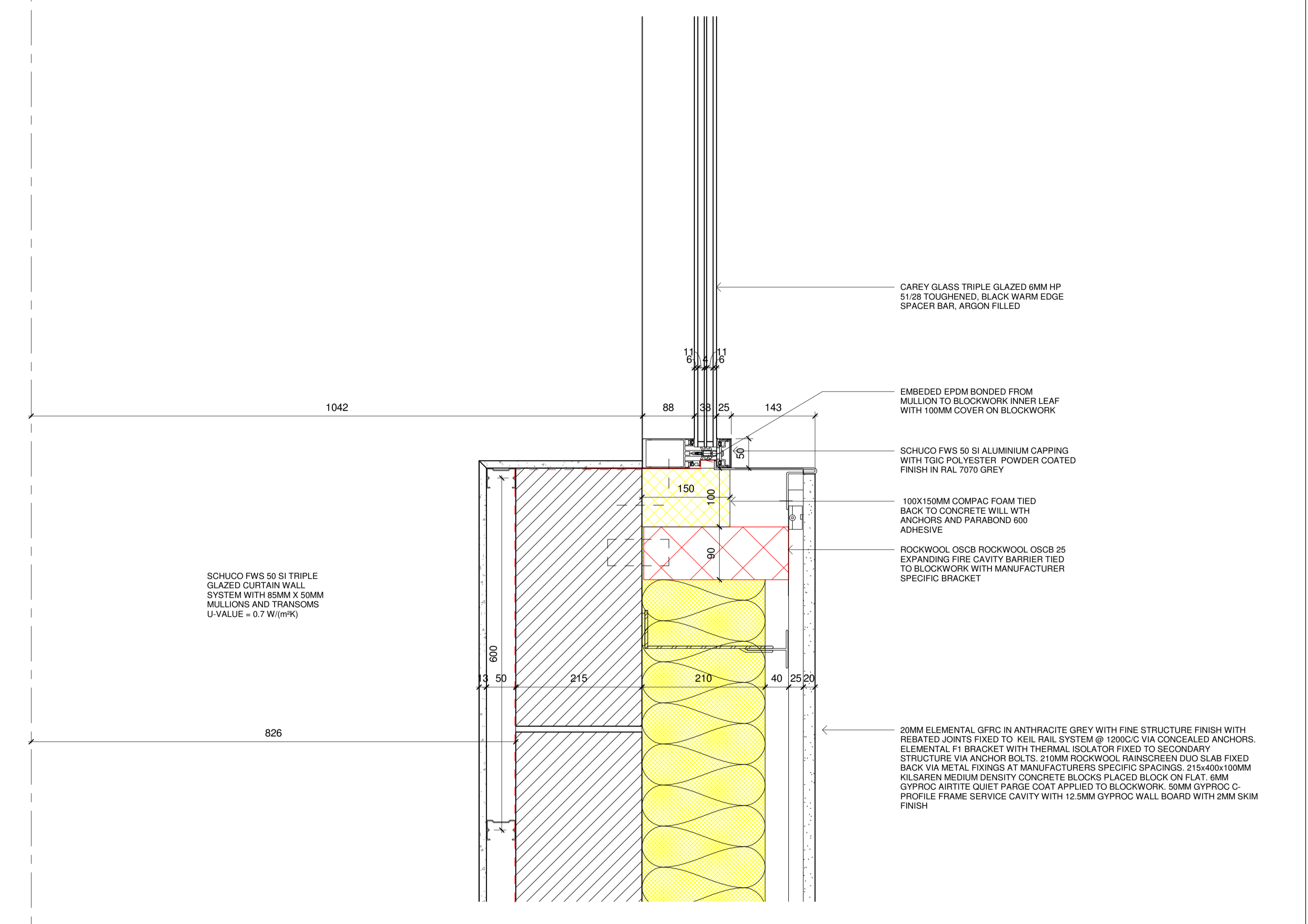
1 South Elevation Cill
1 : 5



2 South Elevation Parapet
1 : 5

9

3 South Elevation Jamb
1 : 5



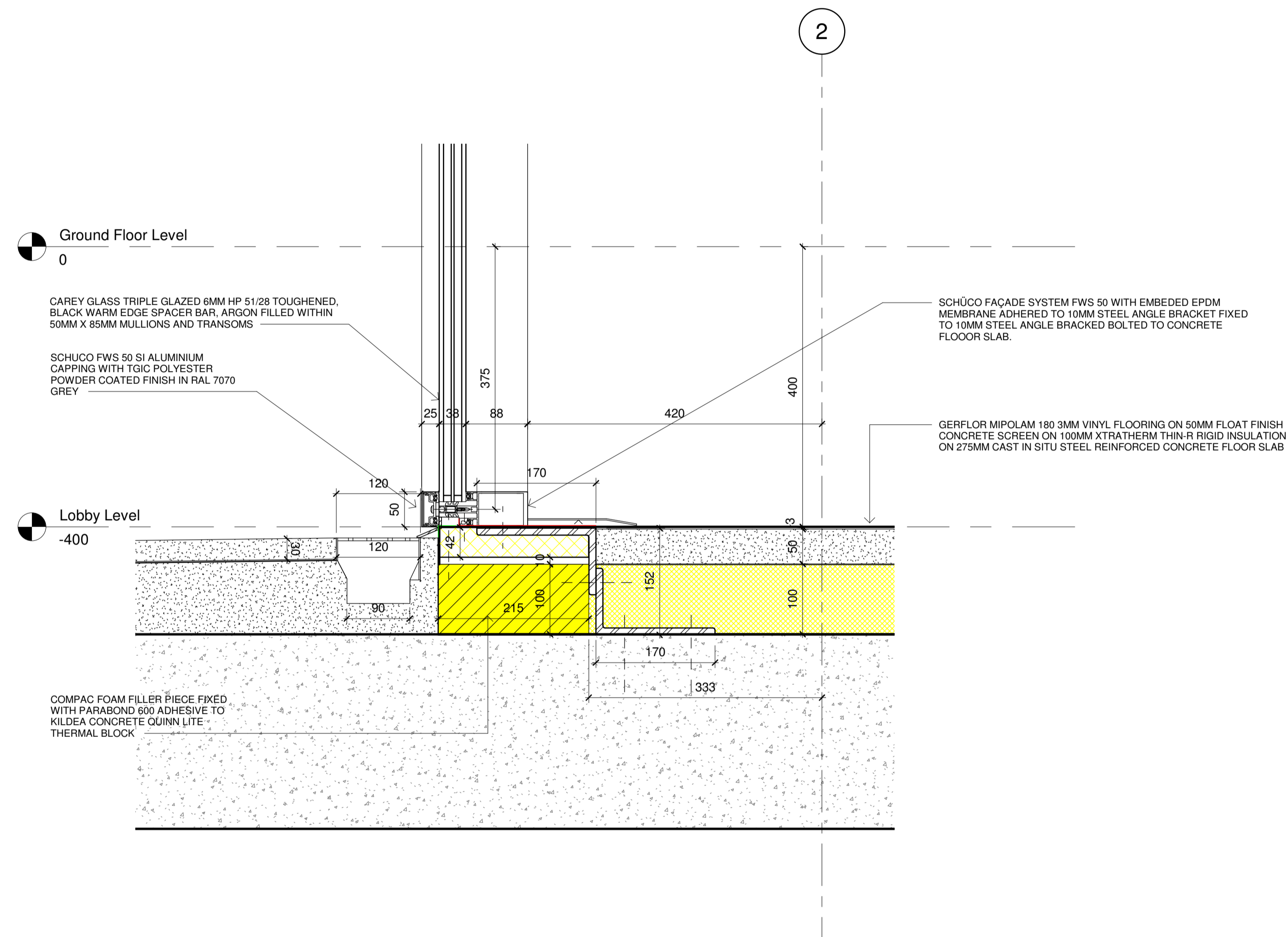
PROJECT
Curtain Wall Project

TITLE
CW Parapet + Cill + Jamb

DRAWN BY: Kelvin Higgins
STUDENT NO.: R00121607
DATE: 06/04/23

SCALE (@ A1): 1 : 5
PROJECT NUMBER: 02

DRAWING NUMBER: GA034
REV: []



1 CW - Base Detail
1 : 5



PROJECT
Curtain Wall Project

TITLE
CW Base Detail - North Elevation

DRAWN BY Kelvin Higgins	STUDENT NO. R00121607	DATE 06/04/23
SCALE (@ A1) 1 : 5	PROJECT NUMBER 02	
DRAWING NUMBER GA038		REV