



Smith Simmons & Partners

SPECIFICATION SHEET – ACCESSIBLE WC

Project Reference Harbour Conservancy



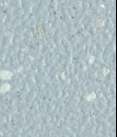
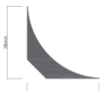
Status: TECHNICAL

Issue Date: 06.12.24

Revision:

Description: Accessible WC RG-02

- Finishes shown are indicative of product only, colours may vary
- all specifications are to be approved and confirmed by client prior to ordering

CATEGORY	ITEM	SUPPLIER	SPECIFICATION	COLOUR	FINISH	SIZE	DESCRIPTION	IMAGE	NOTES
Sanitaryware	Doc M Contour 21 Pack	Armitage Shanks	Doc M Contour 21+ close coupled right hand corner pack, WC pan, water saving delay fill cistern with spatula lever, basin, grab rails, hinged support rail with toilet roll holder, seat no cover with retaining buffers, copper tails on TMV3 mixer tap	White	White ceramic		S0684(AC)		
	Soap Dispenser	HALO	1 Litre Liquid Soap Dispenser	White with graphite window	White ABS plastic	249mm, Width - 121mm, Depth - 188mm	Capacity - 1000ml reservoir with 1ml pump		
	Hand driers	Xlerator	Excel Eco hand driers	White	White polymer	290mm w x 313mm h			
Finishes	Flooring	Altro	Aquarius	TBC	Vinyl flooring				Slip resistant flooring
	Skirting	Altro	CF38R	N/A	Floor as above	38mm high			Floor as above

	Walls	Altro	Whiterock Satins	TBC	PVC sheet	1.22m w x 2.5m h panels			
	Ceilings	Dulux	Dulux Trade Mouldshield Fungicidal Matt Pure Brilliant White	White	Matt	Na			
Furniture	Mirror	Armitage Shanks	Framed Mirror			700mm x 500mm	T3354(BH)		



Smith Simmons & Partners

SPECIFICATION SHEET – SHOWER ROOMS

Project Reference Harbour Conservancy




Status: TECHNICAL








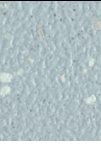
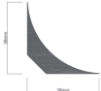
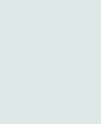
Issue Date: 06.12.24


Revision:

Description: Accessible Shower Room RG-05

- Finishes shown are indicative of product only, colours may vary
- all specifications are to be approved and confirmed by client prior to ordering

CATEGORY	ITEM	SUPPLIER	SPECIFICATION	COLOUR	FINISH	SIZE	DESCRIPTION	IMAGE	NOTES
Sanitaryware	Doc M Contour 21 Pack	Armitage Shanks	Doc M Contour 21+ close coupled right hand corner pack, WC pan, water saving delay fill cistern with spatula lever, basin, grab rails, hinged support rail with toilet roll holder, seat no cover with retaining buffers, copper tails on TMV3 mixer tap	White	White ceramic		S0684(AC)		
	Grab rail	Armitage shanks	Contour 21 grab rail 60cm	White		60cmx35 mm diameter	S6454(AC)		
	Grab rail	Armitage shanks	Contour 21 grab rail 45cm	White		45cmx35 mm diameter	S6452(AC)		
	Grab rails hinged	Armitage shanks	Contour 21 hinged support rail	White		80xmx35 mm diameter	S6360(AC)		2no.
	Multi system shower curtain	Armitage shanks	Multi-System shower curtain 1500x2000mm	White		1500x2000mm	S6750(01)		

	Multi system shower rail	Armitage shanks	Contour 21 angled shower curtain rail 1200 x 1200mm	White		1200x1200mm	S6751(AC)		
	Shower Seat	Armitage shanks	Folding fixed height shower seat with 650mm projection	Grey			S1207(XK)		
	Shower seat back rest	Armitage shanks	Fixed height back rest	Grey			S1208(XK)		
	Shower control and head	Delabie	Securitherm 792334 DUAL CONTROL SHOWER PANEL	NA	Aluminium	1050mm high	792334		Timeflow operation 30sec. 2NO.
	Shower Tray former	Impey	Level-Dec Easy Fit for Vinyl Floors	N/A	N/A	Varies			Drain include. 2NO.
	Shower Drain	Impey	UTVC01	N/A	Chrome	146mm diameter	Impey Horizontal Gravity Waste - outlet to be confirmed by contractor		Included with Level-Dec Easy. 2NO.
	Soap Dispenser	HALO	1 Litre Liquid Soap Dispenser	White with graphite window	White ABS plastic	249mm, Width - 121mm, Depth - 188mm	Capacity - 1000ml reservoir with 1ml pump		
	Hand drier	Xlerator	Excel Eco hand driers	White	White polymer	290mm w x 313mm h			
Finishes	Flooring	Altro	Aquarius	TBC	Vinyl flooring				Slip resistant flooring
	Skirting	Altro	CF38R	N/A	Floor as above	38mm high			Floor as above
	Walls	Altro	Whiterock Satins	TBC	PVC sheet	1.22m w x 2.5m h panels			
	Ceilings	Dulux	Dulux Trade Mouldshield Fungicidal Matt Pure Brilliant White	White	Matt	Na			
Furniture	Mirror	Armitage Shanks	Framed Mirror			700mm x 500mm	T3354(BH)		

	Towel Hooks	Delabie	White Powder-Coated Stainless Steel Hook	White	White powder-coated stainless steel	Ø 62 x 65 x 73mm			2no. per shower room
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SPECIFICATION SHEET – SHOWER ROOMS

Project Reference Harbour Conservancy

Status: TECHNICAL




Issue Date: 06.12.24








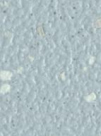
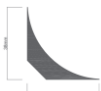
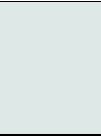
Revision:

Description: Shower Rooms RG-06, RG-07

- Finishes shown are indicative of product only, colours may vary

- all specifications are to be approved and confirmed by client prior to ordering

CATEGORY	ITEM	SUPPLIER	SPECIFICATION	COLOUR	FINISH	SIZE	DESCRIPTION	IMAGE	NOTES
Sanitaryware	Shower control and head	Delabie	Securitherm 79230015	NA	Aluminium	1050mm high			Timeflow operation 30sec
	Shower Tray former	Impey	Level-Dec Easy Fit for Vinyl Floors	N/A	N/A	Varies			Drain include
	Shower Drain	Impey	UTVC01	N/A	Chrome	146mm diameter	Impey Horizontal Gravity Waste - outlet to be confirmed by contractor		Included with Level-Dec Easy
	Shower Cubicle	Bushboard	Profiles Solid Grade Laminate	TBC	Laminate	To suite rooms and layouts	Cubicle hardware Satin Anodised Aluminium with Light Grey ABS Lock		100mm floor clearance
	WC	Armitage Shanks	Profile 21 Back-to-Wall	White	White ceramic	365W x 530L x 400H mm	S3095(01)		
	Cistern	Armitage Shanks	Concealed Cistern	Black	Black ABS	150D x 290H x 415W	S1347		
	Toilet Cover and Seat	Armitage Shanks	WC Seat soft close	White	White Plastic		S4102(01)		

	Flush Plate	Armitage Shanks	Dual flush plate	Chrome	Chrome		S0858(AA)		
	Toilet Roll holder		Brushed stainless steel toilet roll dispenser	Brushed stainless steel	Brushed stainless steel with lacquering	12inch	304L grade brushed stainless steel		Key lockable
	Washbasin	Vitra	S20 Semi-recessed, 45cm	White	White ceramic	450mm w x 355mm d	Semi recessed basin		Single tap hole option
	Washbasin Taps	Intatec	TMV3 Anti Scald timed flow mixer	N/A	Chrome	160mm high			15sec flow time
	Soap Dispenser	HALO	1 Litre Liquid Soap Dispenser	White with graphite window	White ABS plastic	249mm, Width - 121mm, Depth - 188mm	Capacity - 1000ml reservoir with 1ml pump		
	Towel Hooks	Delabie	White Powder-Coated Stainless Steel Hook	White	White powder-coated stainless steel	Ø 62 x 65 x 73mm			4no. per shower room
	Hand driers	Xlerator	Excel Eco hand driers	White	White polymer	290mm w x 313mm h			
Vanity unit	Face	Bushboard	Solid Grade Laminate	TBC	Laminate	To suite vanity unit			
	Top	Bushboard	Solid Grade Laminate	TBC	Laminate	To suite vanity unit	With integrated upstand		
Finishes	Flooring	Altro	Aquarius	TBC	Vinyl flooring				Slip resistant flooring
	Skirting	Altro	CF38R	N/A	Floor as above	38mm high			Floor as above
	Walls	Altro	Whiterock Satins	TBC	PVC sheet	1.22m w x 2.5m h panels			
	Ceilings	Dulux	Dulux Trade Mouldshield Fungicidal Matt Pure Brilliant White	White	Matt	Na			
Furniture	Mirror	Armitage Shanks	Framed Mirror			700mm x 500mm	T3354(BH)		



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SPECIFICATION SHEET – SHOWER ROOMS

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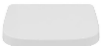
Issue Date: 06.12.24








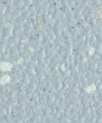
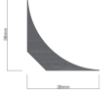
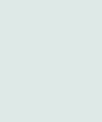
Revision:

Description: Shower Rooms RG-09, RG-10, RG-11, RG-12

- Finishes shown are indicative of product only, colours may vary

- all specifications are to be approved and confirmed by client prior to ordering

CATEGORY	ITEM	SUPPLIER	SPECIFICATION	COLOUR	FINISH	SIZE	DESCRIPTION	IMAGE	NOTES
Sanitaryware	Shower control and head	Delabie	Securitherm 79230015	NA	Aluminium	1050mm high			Timeflow operation 30sec
	Shower Tray former	Impey	Level-Dec Easy Fit for Vinyl Floors	N/A	N/A	Varies			Drain include
	Shower Drain	Impey	UTVC01	N/A	Chrome	146mm diameter	Impey Horizontal Gravity Waste - outlet to be confirmed by contractor		Included with Level-Dec Easy
	Shower Cubicle	Bushboard	Profiles Solid Grade Laminate	TBC	Laminate	To suite rooms and layouts	Cubicle hardware Satin Anodised Aluminium with Light Grey ABS Lock		100mm floor clearance
	WC	Armitage Shanks	i.life S Compact Back-to-Wall	White	White ceramic	440W x 485L x 400H mm	T5197		
	Cistern	Armitage Shanks	Conceala 3 dual flush 6/4 litre cistern, side inlet,	Black	Black ABS	150D x 290H x 415W	S3326		
	Toilet Cover and Seat	Armitage Shanks	WC Seat soft close	White	White Plastic		T4737		

	Flush Plate	Armitage Shanks	Dual flush plate	Chrome	Chrome		S1082(AA)		
	Toilet Roll holder		Brushed stainless steel toilet roll dispenser	Brushed stainless steel	Brushed stainless steel with lacquering	12inch	304L grade brushed stainless steel		Key lockable
	Washbasin	Vitra	S20 Semi-recessed, 45cm	White	White ceramic	450mm w x 355mm d	Semi recessed basin		Single tap hole option
	Washbasin Taps	Intatec	TMV3 Anti Scald timed flow mixer	N/A	Chrome	160mm high			15sec flow time
	Soap Dispenser	HALO	1 Litre Liquid Soap Dispenser	White with graphite window	White ABS plastic	249mm, Width - 121mm, Depth - 188mm	Capacity - 1000ml reservoir with 1ml pump		
	Towel Hooks	Delabie	White Powder-Coated Stainless Steel Hook	White	White powder-coated stainless steel	Ø 62 x 65 x 73mm			4no. per shower room
	Hand driers	Xlerator	Excel Eco hand driers	White	White polymer	290mm w x 313mm h			
Vanity unit	Face	Bushboard	Solid Grade Laminate	TBC	Laminate	To suite vanity unit			
	Top	Bushboard	Solid Grade Laminate top	TBC	Laminate	To suite vanity unit	With integrated upstand		
Finishes	Flooring	Altro	Aquarius	TBC	Vinyl flooring				Slip resistant flooring
	Skirting	Altro	CF38R	N/A	Floor as above	38mm high			Floor as above
	Walls	Altro	Whiterock Satins	TBC	PVC sheet	1.22m w x 2.5m h panels			
	Ceilings	Dulux	Dulux Trade Mouldshield Fungicidal Matt Pure Brilliant White	White	Matt	Na			
Furniture	Mirror	Armitage Shanks	Framed Mirror			700mm x 500mm	T3354(BH)		



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SPECIFICATION SHEET – LOBBY ROOM

Project Reference Harbour Conservancy

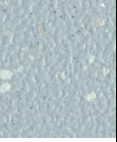
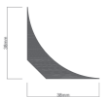



Status: TECHNICAL

Issue Date: 06.12.24

Revision:

Description: Lobby RG-13

- Finishes shown are indicative of product only, colours may vary
- all specifications are to be approved and confirmed by client prior to ordering

CATEGORY	ITEM	SUPPLIER	SPECIFICATION	COLOUR	FINISH	SIZE	DESCRIPTION	IMAGE	NOTES
Finishes	Flooring	Altro	Classic 25	TBC	Vinyl flooring				Slip resistant flooring
	Skirting	Altro	CF38R	N/A	Floor as above	38mm high			Floor as above
	Walls	Altro	Whiterock Satins	TBC	PVC sheet	1.22m w x 2.5m h panels			
	Ceilings	Dulux	Dulux Trade Mouldshield Fungicidal Matt Pure Brilliant White	White	Matt	Na			
Furniture	Mirror	Armitage Shanks	Framed Mirror			700mm x 500mm	T3354(BH)		3no.
	Mirror Light	ETERNA	ETERNA LEDSHDVO	White		284 x 25mm	Dual voltage. 3000K colour temp. 400 lm		3no.
	Hair dryer	HYCO	HYCO TOPAZ HD15015	White	White ABS	270mm x 205mm x 110mm	Digital Hari Dryer		2no.



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SPECIFICATION SHEET – KIT ROOM

Project Reference Harbour Conservancy

Status: TECHNICAL

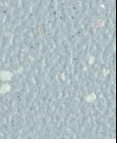
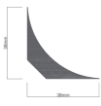
Issue Date: 06.12.24

Revision:

Description: Kit Room RG-16

- Finishes shown are indicative of product only, colours may vary

- all specifications are to be approved and confirmed by client prior to ordering

CATEGORY	ITEM	SUPPLIER	SPECIFICATION	COLOUR	FINISH	SIZE	DESCRIPTION	IMAGE	NOTES
Finishes	Flooring	Altro	Classic 25	TBC	Vinyl flooring				Slip resistant flooring
	Skirting	Altro	CF38R	N/A	Floor as above	38mm high			Floor as above
	Walls	Dulux	1no. coat Dulux Primer and Undercoat Multi Surfaces followed by 2no. coats Dulux Trade mouldshield fungicidal Matt emulsion	TBC	Matt	Na			
	Ceilings	Dulux	2no. coats Dulux Trade mouldshield fungicidal Matt emulsion	White	Matt	Na			



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SPECIFICATION SHEET – SHOWER ROOMS

Project Reference Harbour Conservancy

Status: TECHNICAL


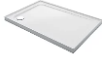





Issue Date: 06.12.24







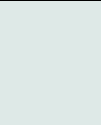
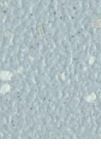
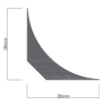
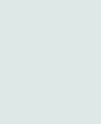
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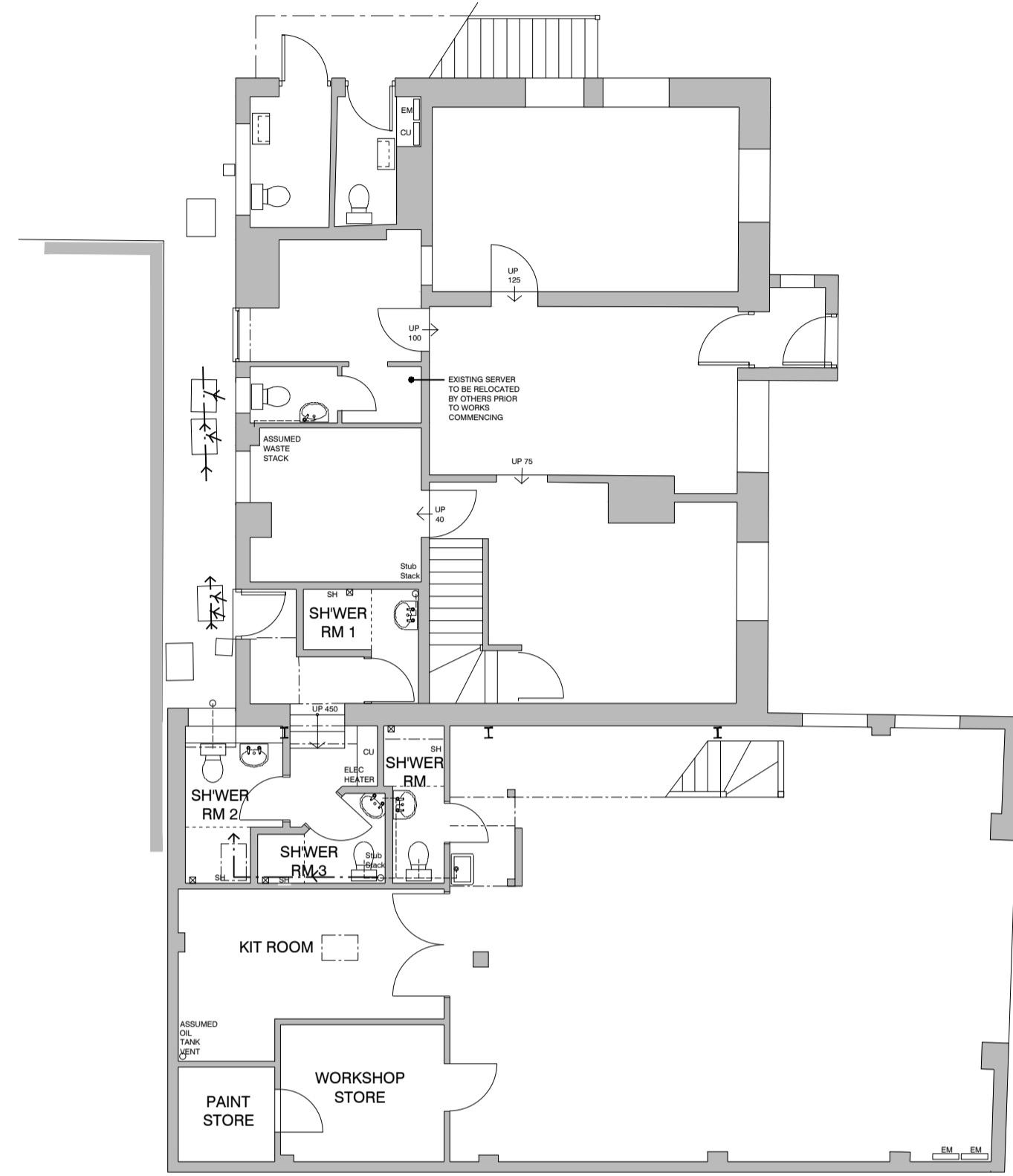
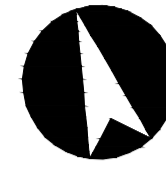
Description: Shower Room RG-17

- Finishes shown are indicative of product only, colours may vary

- all specifications are to be approved and confirmed by client prior to ordering

CATEGORY	ITEM	SUPPLIER	SPECIFICATION	COLOUR	FINISH	SIZE	DESCRIPTION	IMAGE	NOTES
Sanitaryware	Shower control and head	Delabie	Securitherm 79230015	NA	Aluminium	1050mm high			Timeflow operation 30sec
	Shower Tray and waste	Mira	Flight low level shower tray 760x1200mm	White	Acrylic-capped resin stone	1200x760			Drain included
	Shower Enclosure	Ideal Standard	i.life Framed Pivot Shower Door Silver	Silver framed		1200 w x2000h			Height of shower room to be checked on site before ordering
	WC	Armitage Shanks	i.life S Compact Back-to-Wall	White	White ceramic	440W x 485L x 400H mm	T5197		
	Cistern	Armitage Shanks	Conceala 3 dual flush 6/4 litre cistern, side inlet,	Black	Black ABS	150D x 290H x 415W	S3326		
	Toilet Cover and Seat	Armitage Shanks	WC Seat soft close	White	White Plastic		T4737		
	Flush Plate	Armitage Shanks	Dual flush plate	Chrome	Chrome		S1082(AA)		

	Toilet Roll holder		Brushed stainless steel toilet roll dispenser	Brushed stainless steel	Brushed stainless steel with lacquering	12inch	304L grade brushed stainless steel		Key lockable
	Washbasin	Vitra	S50 Standard washbasin no pedestal	White	White ceramic	450mm w x 350mm d	Wall hung basin		Single tap hole
	Washbasin Taps	Intatec	TMV3 Anti Scald timed flow mixer	N/A	Chrome	160mm high			15sec flow time
	Soap Dispenser	HALO	1 Litre Liquid Soap Dispenser	White with graphite window	White ABS plastic	249mm, Width - 121mm, Depth - 188mm	Capacity - 1000ml reservoir with 1ml pump		
	Towel Hooks	Delabie	White Powder-Coated Stainless Steel Hook	White	White powder-coated stainless steel	Ø 62 x 65 x 73mm			2no. per shower room
	Hand driers	Xlerator	Excel Eco hand driers	White	White polymer	290mm w x 313mm h			
Splash back	Face	Altro	Whiterock	TBC	PVC sheet	1.22m w x 2.5m h panels			
Finishes	Flooring	Altro	Aquarius	TBC	Vinyl flooring				Slip resistant flooring
	Skirting	Altro	CF38R	N/A	Floor as above	38mm high			Floor as above
	Walls	Dulux	Dulux Trade Mouldshield Fungicidal Matt Pure Brilliant White	White	Matt	Na			
	Walls to shower area only	Altro	Whiterock Satins	TBC	PVC sheet	1.22m w x 2.5m h panels			
	Ceilings	Dulux	Dulux Trade Mouldshield Fungicidal Matt Pure Brilliant White	White	Matt	Na			
Furniture	Mirror	Armitage Shanks	Framed Mirror			700mm x 500mm	T3354(BH)		



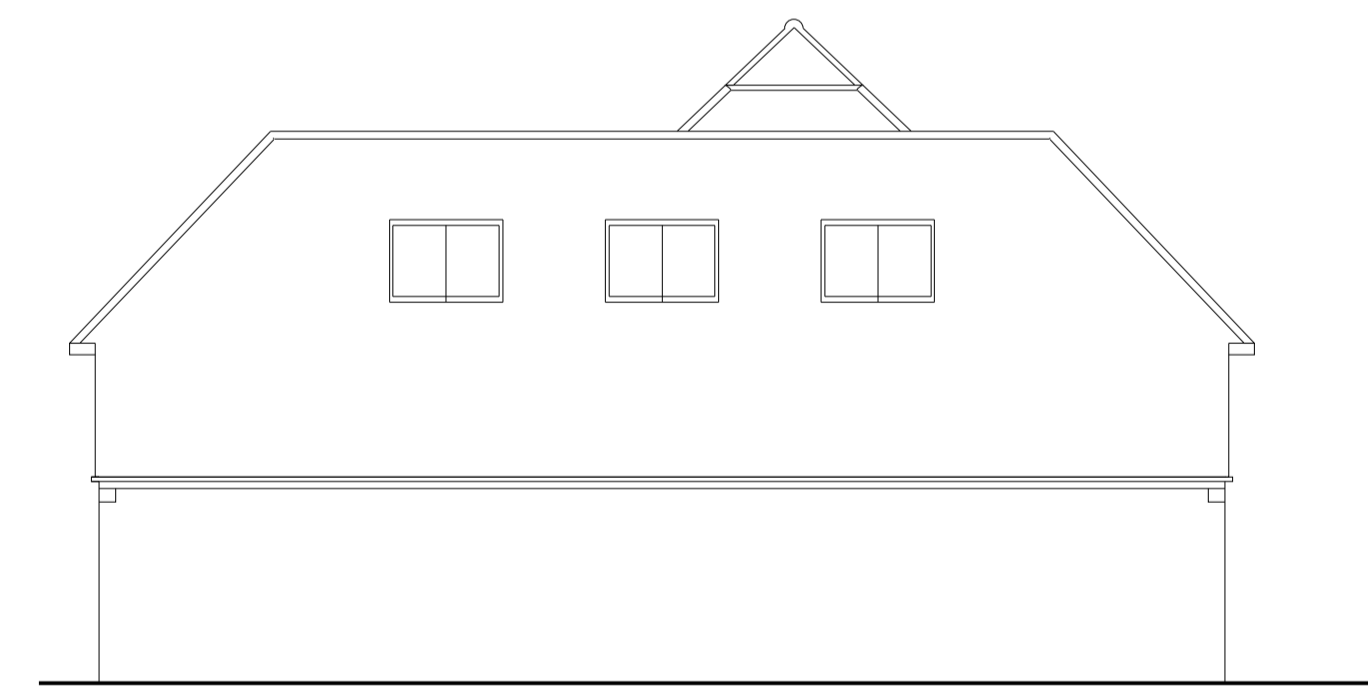
EXISTING GROUND FLOOR PLAN



EXISTING NORTH ELEVATION

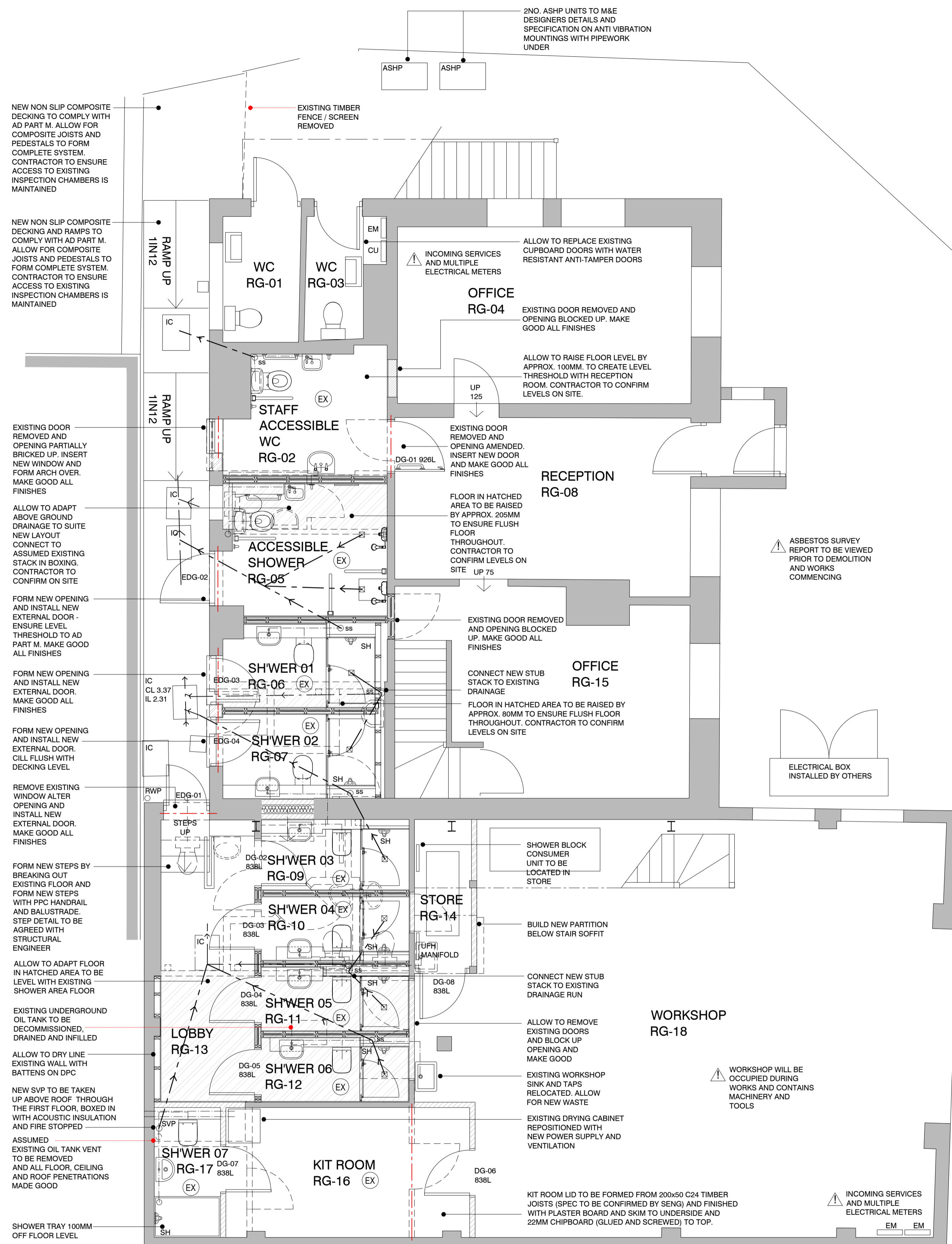
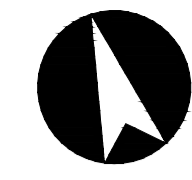


EXISTING WEST ELEVATION



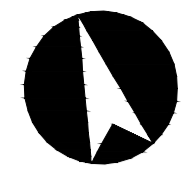
EXISTING SOUTH ELEVATION

NB: DRAWING FOR PRICING PURPOSES ONLY AND TO BE READ IN CONJUNCTION WITH POPE CONSULTING DRAWINGS AND DOCUMENTATION. PRIOR TO WORKS STARTING CONTRACTOR TO APPOINT STRUCTURAL ENGINEER AND BUILDING CONTROL INSPECTOR. CARRY OUT FULL STRUCTURAL DESIGN AND ACQUIRE BUILDING CONTROL FULL PLAN CHECK

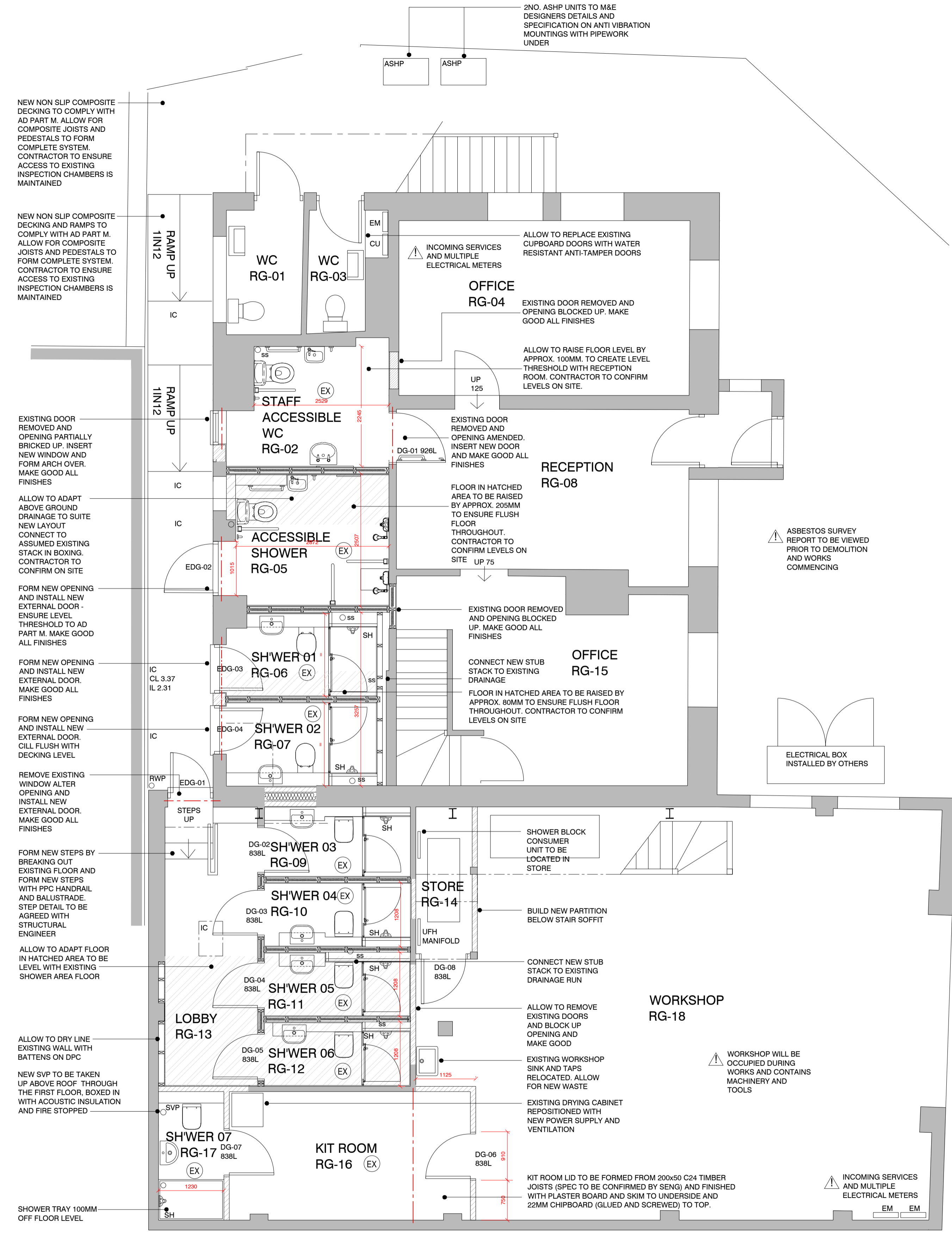


- (SD) MAINS INTERLINKED SMOKE DETECTOR/ALARM
- (HD) MAINS INTERLINKED HEAT DETECTOR/ALARM
- (CO) CO2 ALARM
- (EX) EXTRACT FAN

- Internal Partitions Type 1:
100x50mm Studwork with mineral wool acoustic insulation
12.5mm plasterboard lining with plaster skim finish.
- Existing Removed
- Structural elements above - refer to Structural Engineer's details.
- SVP Soil & vent pipe terminating 900mm above any opening into the building within 3m, and fitted with a wire mesh cage which does not restrict the flow of air.
- SS Stub stack fitted with air admittance valve with free air flow and service access 00mm min. above the highest spillover level of appliances / fittings.
- New above ground drainage
- Proposed FW drain run
- Existing FW drain run to be confirmed on site by contractor



NB: DRAWING FOR PRICING PURPOSES ONLY AND TO BE READ IN CONJUNCTION WITH POPE CONSULTING DRAWINGS AND DOCUMENTATION. PRIOR TO WORKS STARTING CONTRACTOR TO APPOINT STRUCTURAL ENGINEER AND BUILDING CONTROL INSPECTOR. CARRY OUT FULL STRUCTURAL DESIGN AND ACQUIRE BUILDING CONTROL FULL PLAN CHECK



- (SD) MAINS INTERLINKED SMOKE DETECTOR/ALARM
- (HD) MAINS INTERLINKED HEAT DETECTOR/ALARM
- (CO) CO2 ALARM
- (EX) EXTRACT FAN

- Internal Partitions Type 1:
100x50mm Studwork with mineral wool acoustic insulation
12.5mm plasterboard lining with plaster skim finish.
- Existing Removed
- Structural elements above - refer to Structural Engineer's details.
- SVP Soil & vent pipe terminating 900mm above any opening into the building within 3m, and fitted with a wire mesh cage which does not restrict the flow of air.
- SS Stub stack fitted with air admittance valve with free air flow and service access 00mm min. above the highest spillover level of appliances / fittings.



EXISTING WINDOW REMOVED AND OPENING PARTIALLY BRICKED UP. INSERT NEW PARTIALLY GLAZED DOOR TO MATCH EXISTING. ALLOW TO DECORATE NEW BRICKWORK TO MATCH EXISTING. ENSURE BRICKWORK IS TOOTHED INTO EXISTING.

PROPOSED NORTH ELEVATION



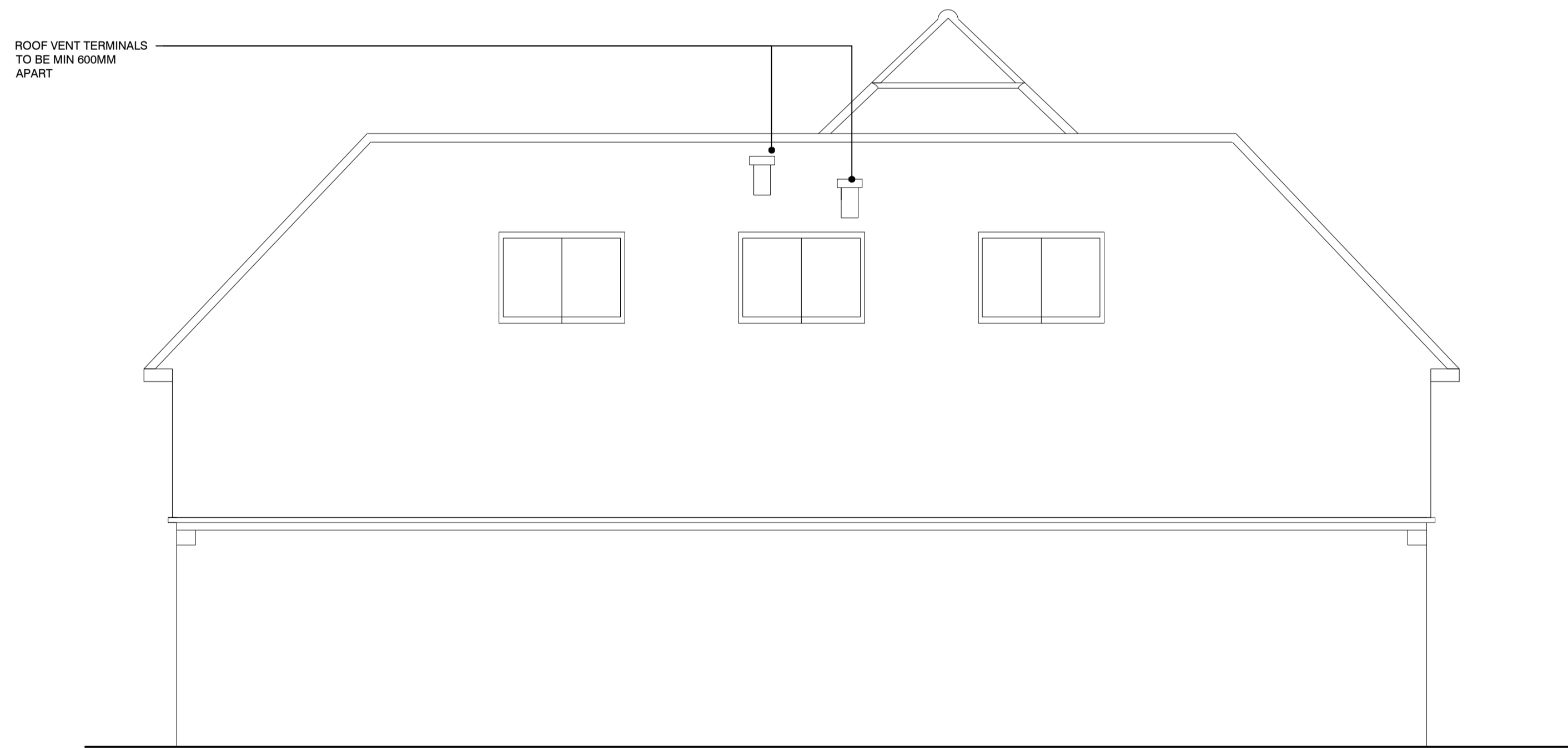
NEW COMPOSITE DECKING AND RAMPS TO APPROVED DOC PART M. COMPOSITE JOISTS, PEDESTALS TO FORM COMPLETE SYSTEM

EXISTING DOOR REMOVED AND OPENING PARTIALLY BRICKED UP. INSERT NEW WINDOW TO MATCH EXISTING. ALLOW TO DECORATE NEW BRICKWORK TO MATCH EXISTING. ENSURE BRICKWORK IS TOOTHED INTO EXISTING.

EXISTING WINDOW REMOVED AND OPENING ADAPTED. INSERT NEW DOOR TO MATCH EXISTING. ALLOW TO DECORATE NEW BRICKWORK TO MATCH EXISTING.

EXISTING DOOR REMOVED AND OPENING PARTIALLY BRICKED UP. INSERT NEW DOORS TO MATCH EXISTING. ALLOW TO DECORATE NEW BRICKWORK TO MATCH EXISTING. ENSURE BRICKWORK IS TOOTHED INTO EXISTING.

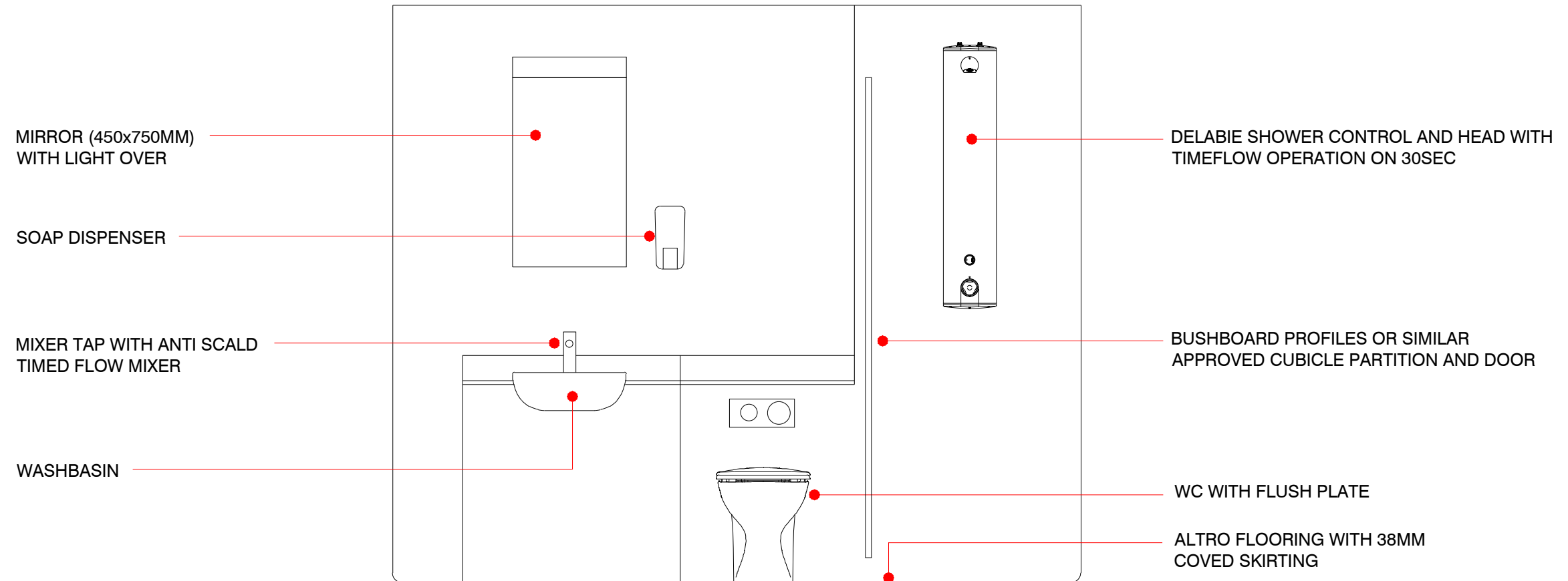
PROPOSED WEST ELEVATION



ROOF VENT TERMINALS TO BE MIN 600MM APART

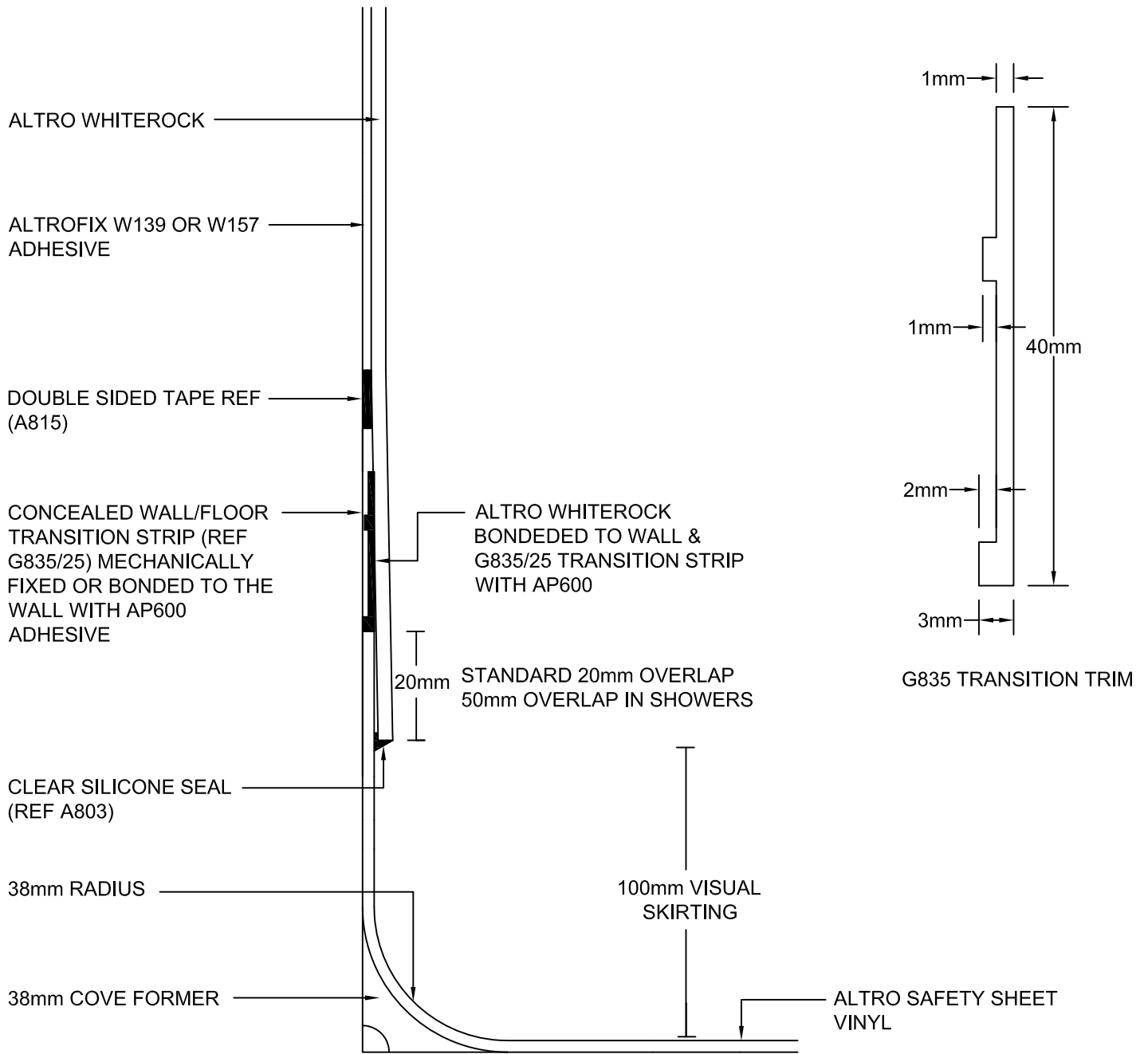
PROPOSED SOUTH ELEVATION

NB: DRAWING FOR PRICING PURPOSES ONLY AND TO BE READ IN CONJUNCTION WITH **POPE CONSULTING** DRAWINGS AND DOCUMENTATION. ANY DISCREPANCIES TO BE REPORTED TO THE ARCHITECT.



TYPICAL SHOWER ROOM ELEVATION

SCALE 1:20 @ A3



PROJECT -		
TITLE - DETAIL OF CONCEALED TRANSITION STRIP FIXING TRIM TO SHEET		
DRAWING G835/1		REVISION A
DRAWN BY PG	CHKD BY PRJ	REVISION BY --
DATE 2011		SCALE N.T.S



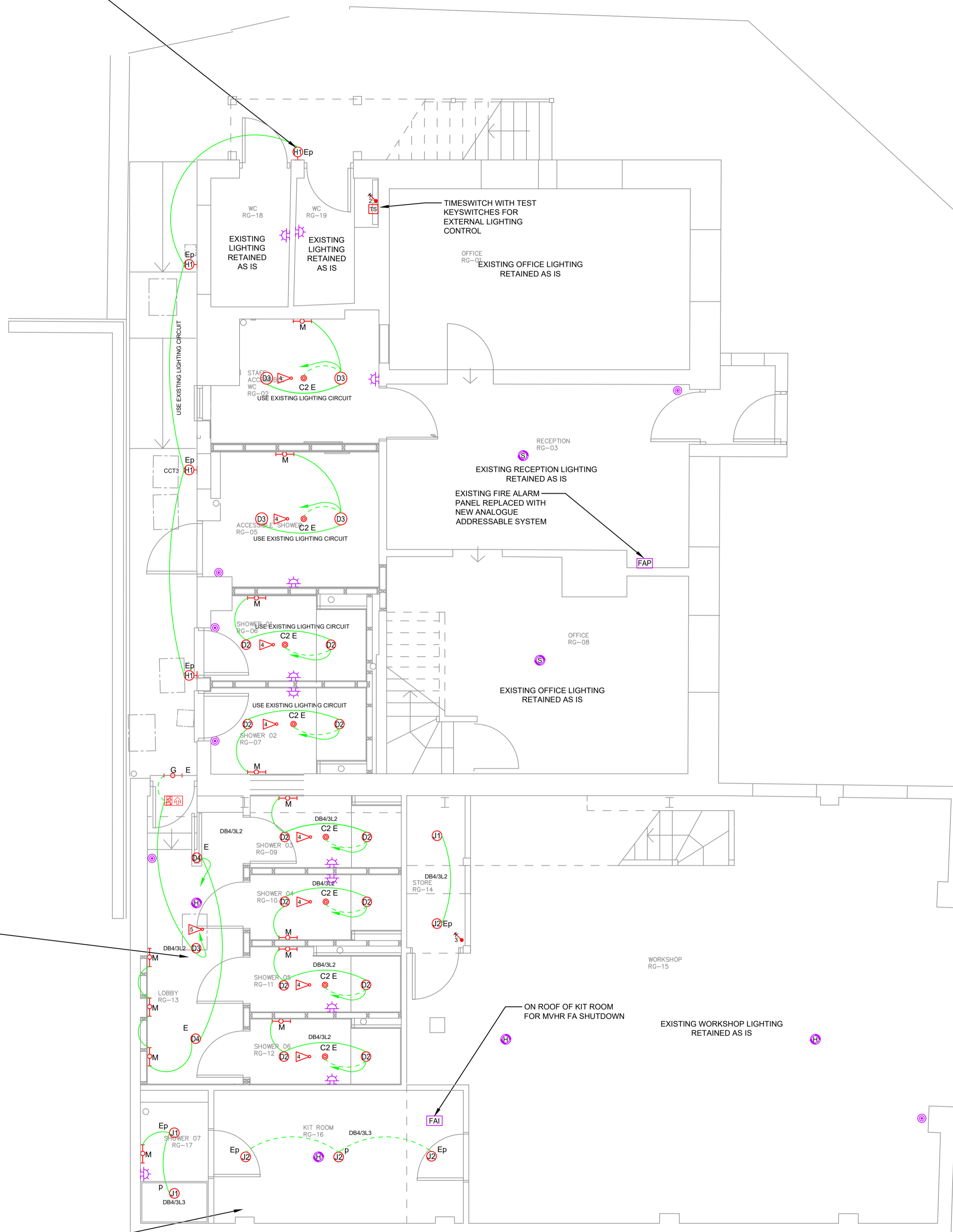
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EXTERNAL LIGHTING CONTROLLED BY NEW TIMECLOCK AND INTEGRAL PRESENCE DETECTORS. ILLUMINATED BY TIMECLOCK DUSK TO SAY 23:00, THEN BY PIR 23:00-DAWN

RG-13 LIGHTING ON TWO STEP SHUTDOWN. MAJORITY OF LUMINAIRES ON PRESENCE DETECTION WITH 20MIN TIMER. REMAINING LUMINAIRE ON PRESENCE DETECTION WITH 40MIN TIMER.

RG-16 LUMINAIRES EACH WITH SELF CONTAINED PRESENCE DETECTOR AND DIFFERENT TIMEOUTS PROVIDES CASCADE SHUTDOWN.



ON ROOF OF KIT ROOM FOR MVHR FA SHUTDOWN

EXISTING WORKSHOP LIGHTING RETAINED AS IS

LIGHTING & FIRE ALARM LEGEND

- SURFACE / SUSPENDED IK10 IP65 LED BATTEN AS JCC
- TOUCHLED PRO
- A1 = 1200mm 2600Lm 18W A2 = 1200mm 5400Lm 38W
- A3 = 1500mm 4200Lm 29W A4 = 1500mm 7500Lm 57W
- A5 = 1800mm 5300Lm 39W A6 = 1800mm 8600Lm 72W
- SELF CONTAINED NON-MAINTAINED EMERGENCY 2W
- LED MINI DOWNLIGHT WITH FIRE HOOD, AS JCC
- C1 = CORRIDOR OPTIC C2 = OPEN AREA OPTIC
- RECESSED IP65 LOW PROFILE LED DOWNLIGHT WITH PRISMATIC DIFFUSER WITH FIRE HOOD, AS JCC SKYDISK
- D1 = 650Lm 7W 1150 D2 = 1300Lm 13W 1700
- D3 = 1700Lm 17W 2200 D4 = 2100Lm 23W 2400
- LUMINAIRES MARKED E COMPLETE WITH INTEGRAL SWITCHED MAINTAINED 3HR EMERGENCY CONVERSION
- LUMINAIRES MARKED p COMPLETE WITH INTEGRAL PRESENCE DETECTOR.
- 300x100x60 IP55 150Lm SURFACE NON-MAINTAINED SELF CONTAINED LED EMERGENCY BULKHEAD
- SMALL FULL CUT OFF (0%ULOR) IP66 IK10 ASYMMETRIC LED BULKHEAD WITH INTEGRAL MICROWAVE SENSOR 150Hx238Dx255W, AS ANSELL LIGHTING WOLF MINI
- H1 = 4W 500Lm H2 = 8W 1000Lm
- CIRCULAR IK10 LOW PROFILE LED BULKHEAD, AS INTEGRAL LED SUMLINE
- J1 = 2500 12W 1056Lm J2 = 3000 18W 1584Lm
- J3 = 3500 25W 2150Lm
- 300x50x60 IP44 6W 400Lm SURFACE SHAVERLIGHT WITH INTEGRAL SHAVER SOCKET, AND PULL CORD. ALSO SWITCHED BY ROOM PIR. AS ETERNA LEDSHDVO
- SWITCHED MAINTAINED SELF CONTAINED LED ILLUMINATED EMERGENCY EXIT SIGN, AS JCC ADLER
- SURFACE MOUNTED LIGHTING CONTROL ABSENCE DETECTOR.
- RECESSED LIGHTING CONTROL ABSENCE DETECTOR.
- SURFACE MOUNTED LIGHTING CONTROL PRESENCE DETECTOR
- RECESSED LIGHTING CONTROL PRESENCE DETECTOR
- RECESSED TWO CHANNEL PRESENCE DETECTOR
- EXTERNAL LIGHTING CONTROL PHOTOCELL
- EXTERNAL LIGHTING CONTROL TIME CLOCK AND CONTACTORS
- LIGHTING CONTROL SWITCH
- P = PUSH TO MAKE N = NUMBER OF GANGS
- INTERMEDIATE LIGHT SWITCH
- 2 WAY LIGHT SWITCH
- KEY OPERATED DOUBLE POLE SWITCH WITH INDICATION LED
- TIME DELAY PUSH SWITCH
- FIRE ALARM CONTROL PANEL
- SMOKE DETECTOR
- SMOKE DETECTOR WITH SOUNDER
- SMOKE DETECTOR WITH SOUNDER AND BEACON
- HEAT DETECTOR
- HEAT & SMOKE DETECTOR WITH SOUNDER AND BEACON
- CEILING MOUNTED SOUNDER
- CEILING MOUNTED SOUNDER WITH BEACON
- WALL MOUNTED SOUNDER
- WALL MOUNTED SOUNDER WITH BEACON
- MANUAL CALL POINT
- FIRE ALARM INTERFACE

DO NOT SCALE FROM THIS DRAWING - CHECK ALL DIMENSIONS ON SITE.

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SAFETY, HEALTH AND ENVIRONMENT INFORMATION

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CONSTRUCTION

1. Residential Staircase Congestion

OPERATION

1. No Significant Risk

MAINTENANCE

1. No Significant Risk

(FUTURE) DISMANTLING/DEMOLITION

1. INFORMATION BASED ON RECORD DRAWINGS CANNOT BE VALIDATED FOR ACCURACY - SURVEY REQUIRED PRIOR TO WORKS

T3	RG-02 to RG-13 LUMINAIRES CHANGED TO RECESSED	NC	17.01.25
T2	CLIENT REVIEW UPDATES	NC	20.12.24
T1	TENDER ISSUE	KH	06.12.24
No.		CHK	DATE

ISSUE: **TENDER**



CLIENT: CHICHESTER HARBOUR CONSERVANCY ITCHENOR

PROJECT: TOILET & SHOWER BLOCK UPGRADE

DRAWING TITLE: ELECTRICAL SERVICES LIGHTING & FIRE ALARM LAYOUT

DATE: 02.12.24	DESIGNED: KH	CHECKED: KH	SCALE: 1:50 @ A1
PROJECT NO. 5453	DRAWING NO. E002	REV: T3	

LIGHTING & FIRE ALARM LEGEND

- TOUCHLED PRO
- SURFACE / SUSPENDED IK10 IP65 LED BATTEN AS JCC
- A1 = 1200mm 2800Lm 18W A2 = 1200mm 5400Lm 38W
- A3 = 1500mm 4200Lm 29W A4 = 1500mm 7500Lm 57W
- A5 = 1800mm 5300Lm 39W A6 = 1800mm 8600Lm 72W
- SELF CONTAINED NON-MAINTAINED EMERGENCY 2W
- LED MINI DOWNLIGHT, AS JCC
- C1 = CORRIDOR OPTIC C2 = OPEN AREA OPTIC
- RECESSED IP65 LOW PROFILE LED DOWNLIGHT WITH PRISMATIC DIFFUSER AS JCC SKYDISK
- D1 = 650Lm 7W 1150 D2 = 1300Lm 13W 1700
- D3 = 1700Lm 17W 2200 D4 = 2100Lm 23W 2400
- E LUMINAIRES MARKED E COMPLETE WITH INTEGRAL SWITCHED MAINTAINED 3HR EMERGENCY CONVERSION
- P LUMINAIRES MARKED p COMPLETE WITH INTEGRAL PRESENCE DETECTOR.
- 300x100x60 IP55 150lm SURFACE NON-MAINTAINED SELF CONTAINED LED EMERGENCY BULKHEAD
- ⊕ SMALL FULL CUT OFF (0%ULOR) IP66 IK10 ASYMMETRIC LED BULKHEAD WITH INTEGRAL MICROWAVE SENSOR 150Hx238Dx255W, AS ANSELL LIGHTING WOLF MINI
- H1 = 4W 500lm H2 = 8W 1000lm
- ○ ○ CIRCULAR IK10 LOW PROFILE LED BULKHEAD, AS INTEGRAL LED SLIMLINE
- J1 = 2500 12W 1056Lm J2 = 3000 18W 1584Lm
- J3 = 3500 25W 2150Lm
- 300x50x60 IP44 6W 400lm SURFACE SHAVERLIGHT WITH INTEGRAL SHAVER SOCKET, AND PULL CORD, ALSO SWITCHED BY ROOM PIR, AS ETERNA LEDSHDVO
- ⊕ SWITCHED MAINTAINED SELF CONTAINED LED ILLUMINATED EMERGENCY EXIT SIGN, AS ETERNA LEDSHDVO
- ▽ SURFACE MOUNTED LIGHTING CONTROL ABSENCE DETECTOR.
- ▽ RECESSED LIGHTING CONTROL ABSENCE DETECTOR.
- ▽ SURFACE MOUNTED LIGHTING CONTROL PRESENCE DETECTOR
- ▽ RECESSED LIGHTING CONTROL PRESENCE DETECTOR
- ▽ RECESSED TWO CHANNEL PRESENCE DETECTOR
- ⊕ EXTERNAL LIGHTING CONTROL PHOTOCELL
- ⊕ EXTERNAL LIGHTING CONTROL TIME CLOCK AND CONTACTORS
- ⊕ LIGHTING CONTROL SWITCH
- P = PUSH TO MAKE N = NUMBER OF GANGS
- ⊕ INTERMEDIATE LIGHT SWITCH
- ⊕ 2 WAY LIGHT SWITCH
- ⊕ KEY OPERATED DOUBLE POLE SWITCH WITH INDICATION LED
- ⊕ TIME DELAY PUSH SWITCH
- FAP FIRE ALARM CONTROL PANEL
- S SMOKE DETECTOR
- S SMOKE DETECTOR WITH SOUNDER
- S SMOKE DETECTOR WITH SOUNDER AND BEACON
- H HEAT DETECTOR
- H HEAT DETECTOR WITH SOUNDER
- H HEAT&SMOKE DETECTOR WITH SOUNDER AND BEACON
- ⊕ SOUNDER
- ⊕ SOUNDER WITH BEACON
- ⊕ MANUAL CALL POINT
- FAL FIRE ALARM INTERFACE

DO NOT SCALE FROM THIS DRAWING - CHECK ALL DIMENSIONS ON SITE.

THIS DRAWING IS A DESIGN DRAWING ONLY. INFORMATION SHOWN MAY NEED TO BE SUPPLEMENTED OR FURTHER DRAWINGS PRODUCED FOR CONSTRUCTION.

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CONSTRUCTION

1. Residential Staircase Congestion

OPERATION

1. No Significant Risk

MAINTENANCE

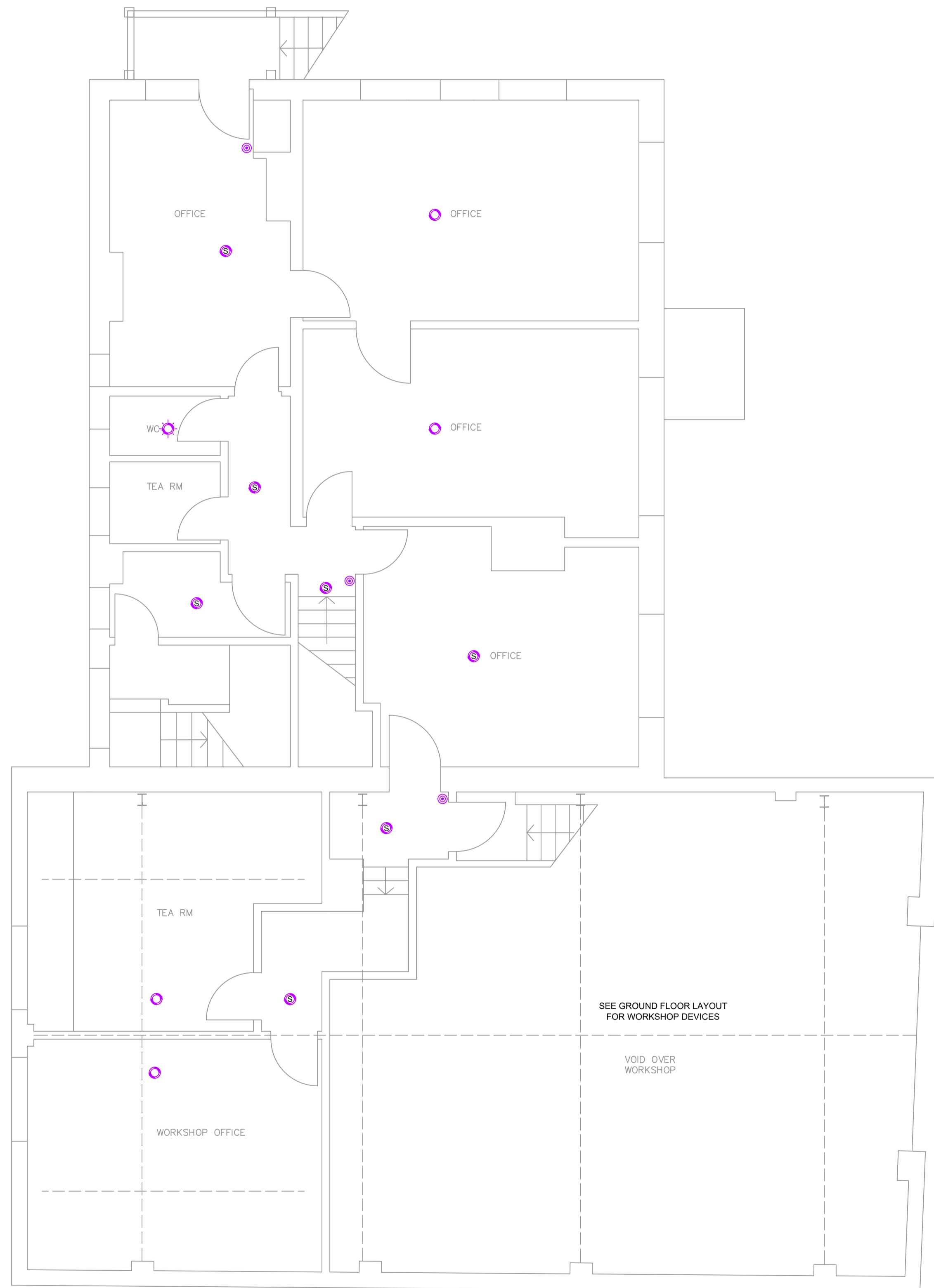
1. No Significant Risk

(FUTURE) DISMANTLING/DEMOLITION

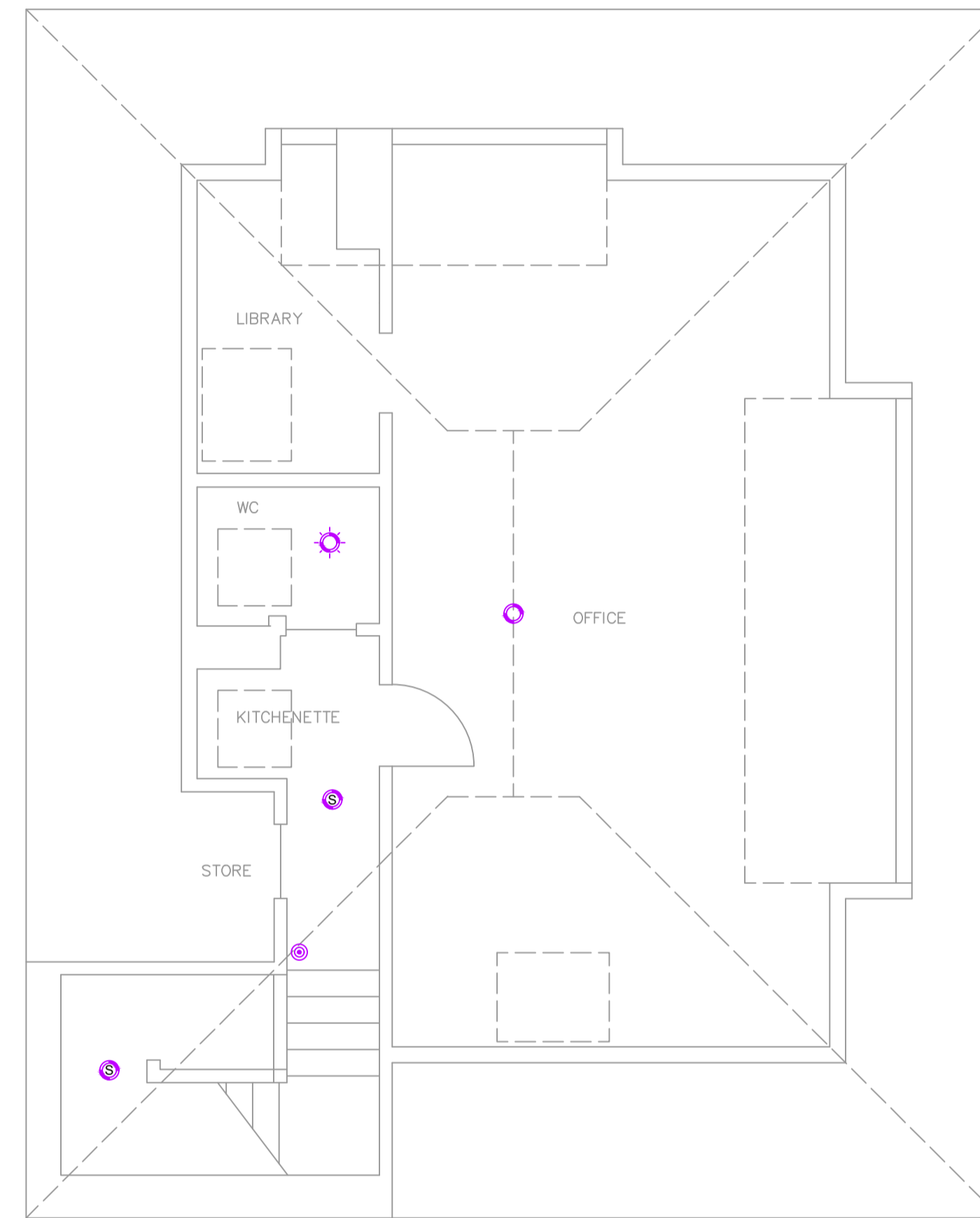
1. INFORMATION BASED ON RECORD DRAWINGS CANNOT BE VALIDATED FOR ACCURACY - SURVEY REQUIRED PRIOR TO WORKS

NOTES

1. EXISTING DOORS WITH SOLENOID HOLD OPENS TO BE PROVIDED WITH NEW INTERFACES ON FIRE ALARM SYSTEM



FIRST FLOOR



SECOND FLOOR

T1	TENDER ISSUE	KH	20.12.24
No.	REVISION	CHK	DATE

ISSUE: **TENDER**



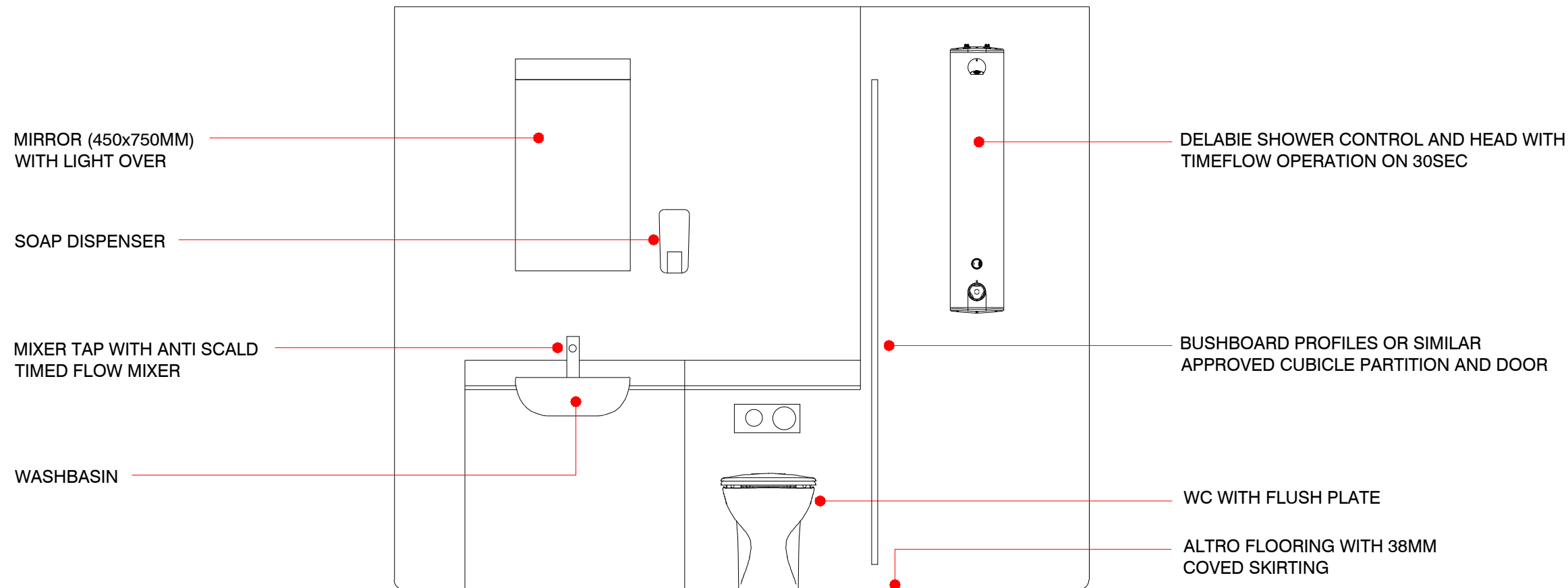
CLIENT:
**CHICHESTER HARBOUR CONSERVANCY
ITCHENOR**

PROJECT:
TOILET & SHOWER BLOCK UPGRADE

DRAWING TITLE:
**ELECTRICAL SERVICES
FIRE ALARM LAYOUT
FIRST & SECOND FLOOR**

DATE: 20.12.24	DESIGNED: KH	CHECKED: KH	SCALE: 1:50 @ A1
PROJECT NO. 5453	DRAWING NO. E003	REV: T1	

NB: DRAWING FOR PRICING PURPOSES ONLY AND TO BE READ IN CONJUNCTION WITH **POPE CONSULTING** DRAWINGS AND DOCUMENTATION. ANY DISCREPANCIES TO BE REPORTED TO THE ARCHITECT.



TYPICAL SHOWER ROOM ELEVATION

SCALE 1:20 @ A3

DO NOT SCALE FROM THIS DRAWING - CHECK ALL DIMENSIONS ON SITE.
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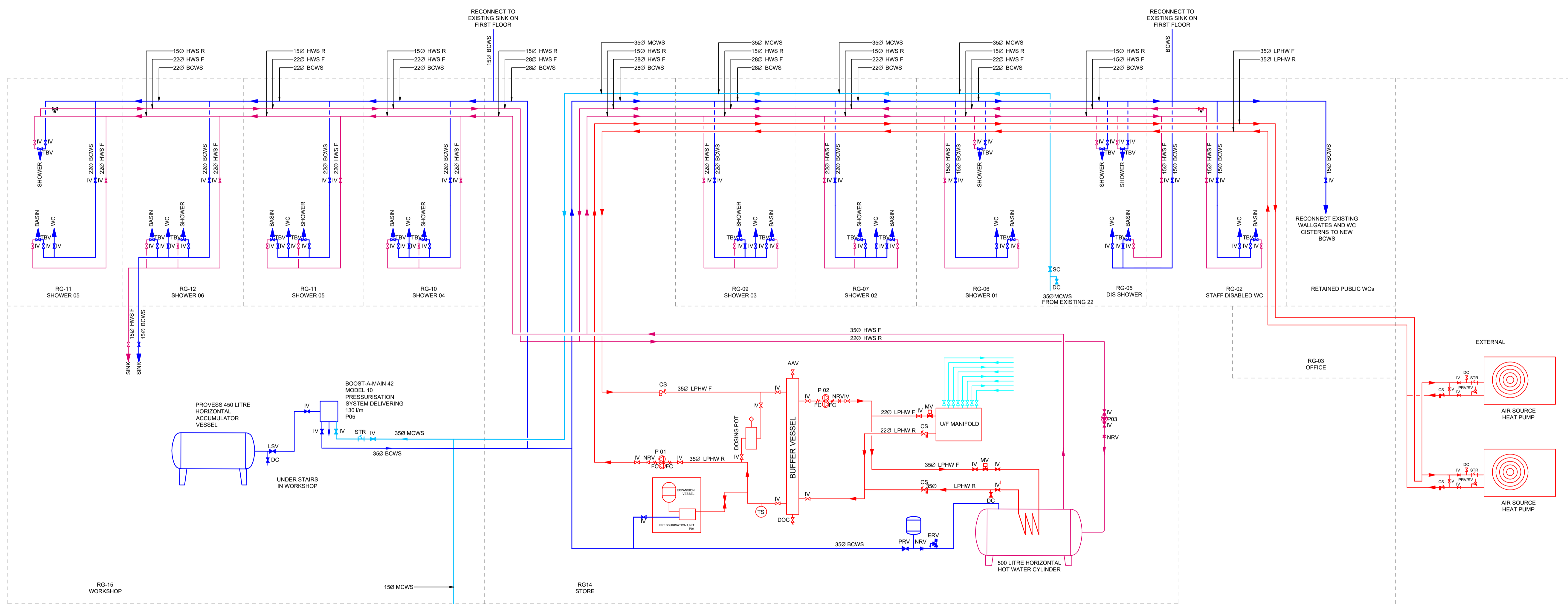
CONSTRUCTION
 1. Residential Staircase Congestion

OPERATION
 1. No Significant Risk

MAINTENANCE
 1. No Significant Risk

(FUTURE) DISMANTLING/DEMOLITION
 1. INFORMATION BASED ON RECORD DRAWINGS CANNOT BE VALIDATED FOR ACCURACY - SURVEY REQUIRED PRIOR TO WORKS

- LEGEND**
- RED DENOTES LPHW
 - DARK RED DENOTES HWS
 - PALE BLUE DENOTES MCWS
 - DARK BLUE DENOTES BCWS
 - IV ISOLATING VALVE
 - LSV LOCK SHIELD VALVE
 - NRV NON RETURN VALVE
 - PRV PRESSURE REDUCING VALVE
 - CS COMMISSIONING SET
 - RV REGULATING VALVE
 - DRV DOUBLE REGULATING VALVE
 - SH SINGLE HEAD PUMP
 - THP TWIN HEAD PUMP
 - AAV AUTOMATIC AIR VENT
 - ERV EMERGENCY RELIEF VALVE
 - T&P TEMPERATURE AND PRESSURE SAFETY VALVE
 - SV SAFETY VALVE
 - MV MOTORISED VALVE
 - MSV MOTORISED SAFETY VALVE
 - DC DRAIN OFF COCK
 - FS FLOW SWITCH



No.	REVISION	CHK	DATE
T2	CLIENT REVIEW UPDATES	NC	20.12.24
T1	TENDER ISSUE	NC	06.12.24

ISSUE: **TENDER**



CLIENT: **CHICHESTER HARBOUR CONSERVANCY**

PROJECT: **HARBOUR CONSERVANCY ITCHENOR**

DRAWING TITLE: **PIPEWORK SCHEMATIC**

DATE:	DESIGNED:	CHECKED:	SCALE:
03.12.24	JC	NC	NTS
PROJECT NO.	DRAWING NO.	REV:	
5453	M100	T2	

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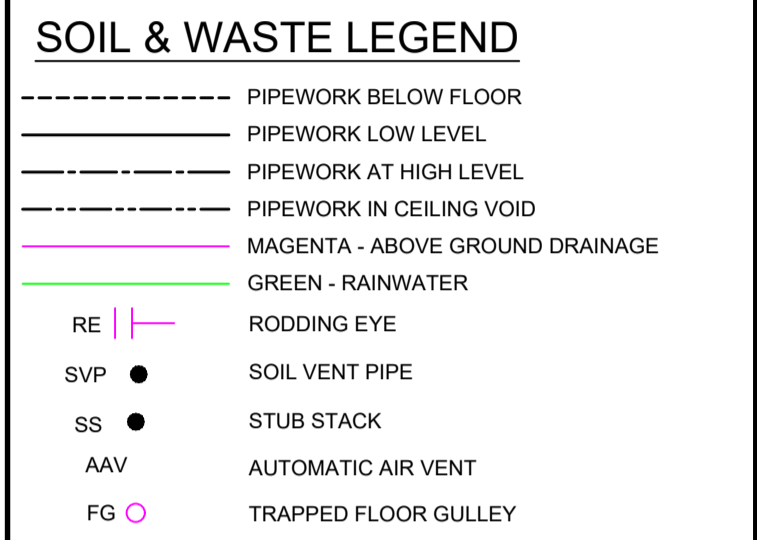
SAFETY, HEALTH AND ENVIRONMENT INFORMATION
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CONSTRUCTION
 1. Residential Staircase Congestion

OPERATION
 1. No Significant Risk

MAINTENANCE
 1. No Significant Risk

(FUTURE) DISMANTLING/DEMOLITION
 1. INFORMATION BASED ON RECORD DRAWINGS CANNOT BE VALIDATED FOR ACCURACY - SURVEY REQUIRED PRIOR TO WORKS



NOTES
 1. DUE TO SOFFIT LEVEL DIFFERENCE THE PIPEWORK HAS TO ROUTE THROUGH THE SHOWER IPS VOID IN RG-09 TO LINK FROM RG-14 TO RG-07 IPS VOID.

No.	REVISION	CHK	DATE
T2	CLIENT REVIEW UPDATES	NC	20.12.24
T1	TENDER ISSUE	NC	03.12.24

ISSUE: **TENDER**

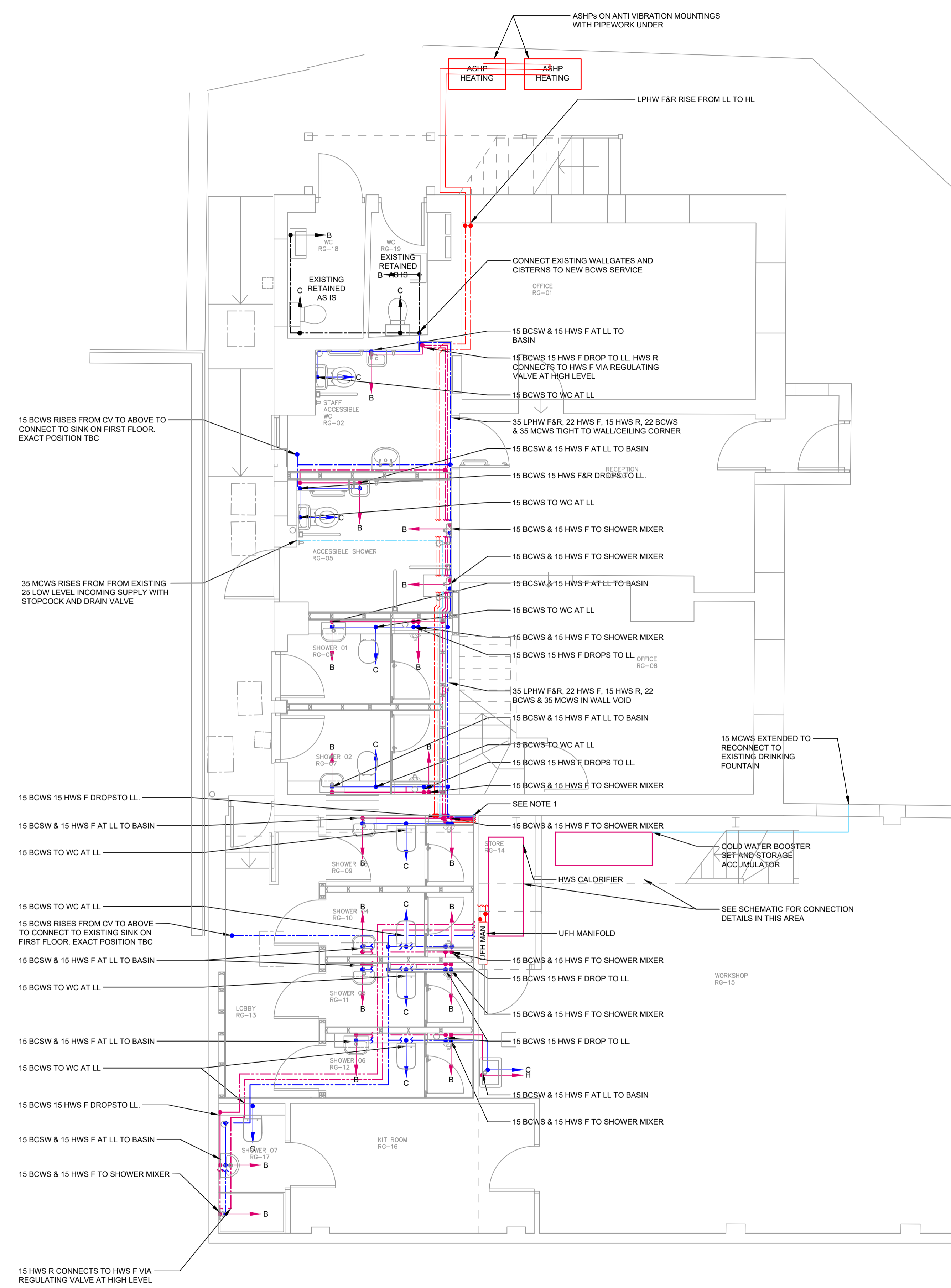


CLIENT: **CHICHESTER HARBOUR CONSERVANCY**

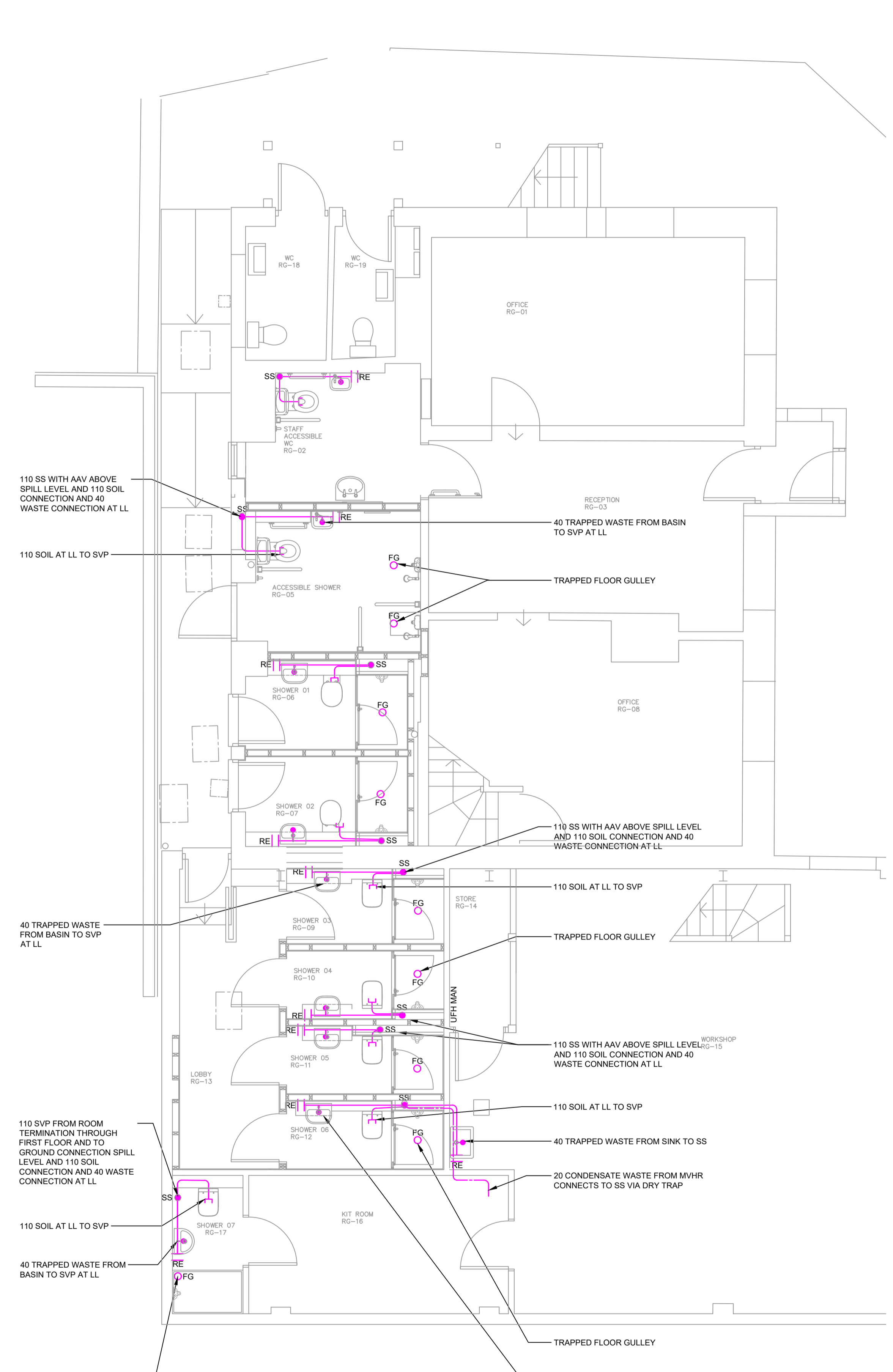
PROJECT: **HARBOUR CONSERVANCY ITCHENOR**

DRAWING TITLE: **DOMESTIC WATER, HEATING PIPEWORK AND ABOVE GROUND SOIL AND WASTE LAYOUTS**

DATE: 03.12.24	DESIGNED: JC	CHECKED: NC	SCALE: 1:50 @ A1
PROJECT NO. 5453	DRAWING NO. M002	REV: T2	



DOMESTIC WATER AND HEATING PIPEWORK



ABOVE GROUND SOIL AND WASTE

DO NOT SCALE FROM THIS DRAWING - CHECK ALL DIMENSIONS ON SITE.
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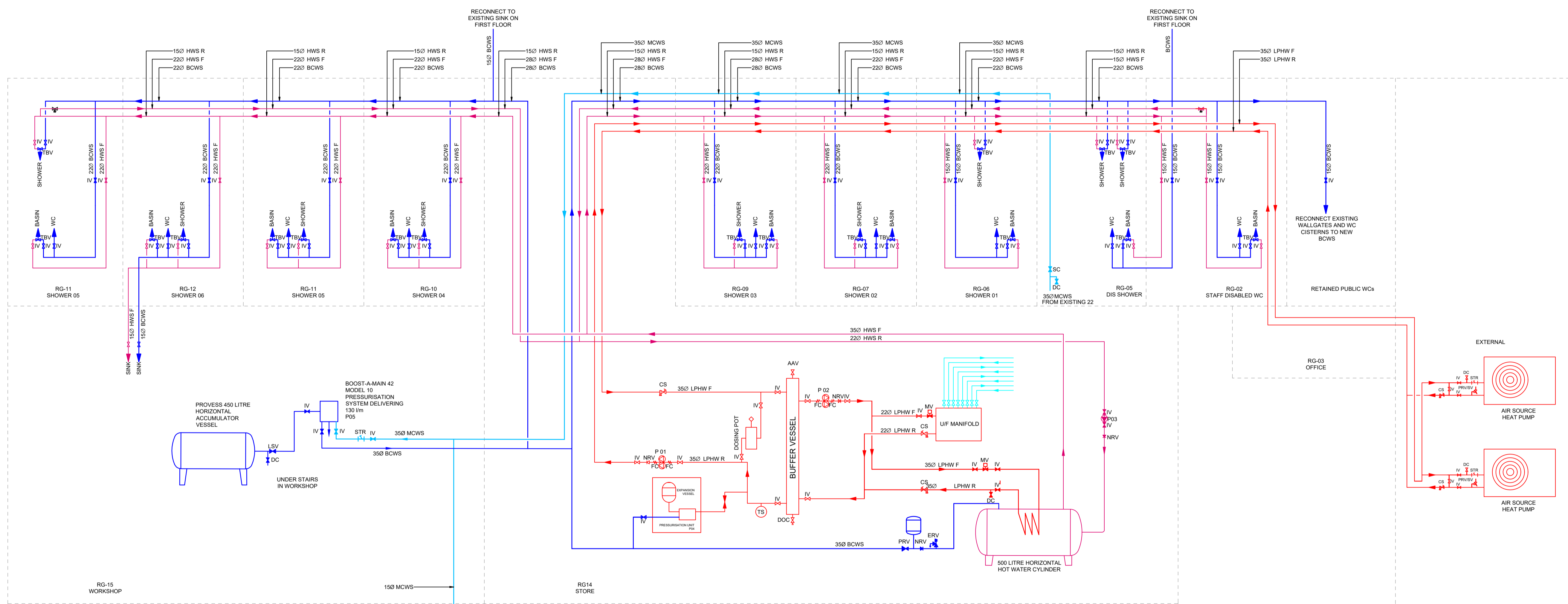
CONSTRUCTION
 1. Residential Staircase Congestion

OPERATION
 1. No Significant Risk

MAINTENANCE
 1. No Significant Risk

(FUTURE) DISMANTLING/DEMOLITION
 1. INFORMATION BASED ON RECORD DRAWINGS CANNOT BE VALIDATED FOR ACCURACY - SURVEY REQUIRED PRIOR TO WORKS

- LEGEND**
- RED DENOTES LPHW
 - DARK RED DENOTES HWS
 - PALE BLUE DENOTES MCWS
 - DARK BLUE DENOTES BCWS
 - IV ISOLATING VALVE
 - LSV LOCK SHIELD VALVE
 - NRV NON RETURN VALVE
 - PRV PRESSURE REDUCING VALVE
 - CS COMMISSIONING SET
 - RV REGULATING VALVE
 - DRV DOUBLE REGULATING VALVE
 - SH SINGLE HEAD PUMP
 - THP TWIN HEAD PUMP
 - AAV AUTOMATIC AIR VENT
 - ERV EMERGENCY RELIEF VALVE
 - T&P TEMPERATURE AND PRESSURE SAFETY VALVE
 - SV SAFETY VALVE
 - MV MOTORISED VALVE
 - MSV MOTORISED SAFETY VALVE
 - DC DRAIN OFF COCK
 - FS FLOW SWITCH



No.	REVISION	CHK	DATE
T2	CLIENT REVIEW UPDATES	NC	20.12.24
T1	TENDER ISSUE	NC	06.12.24

ISSUE: **TENDER**

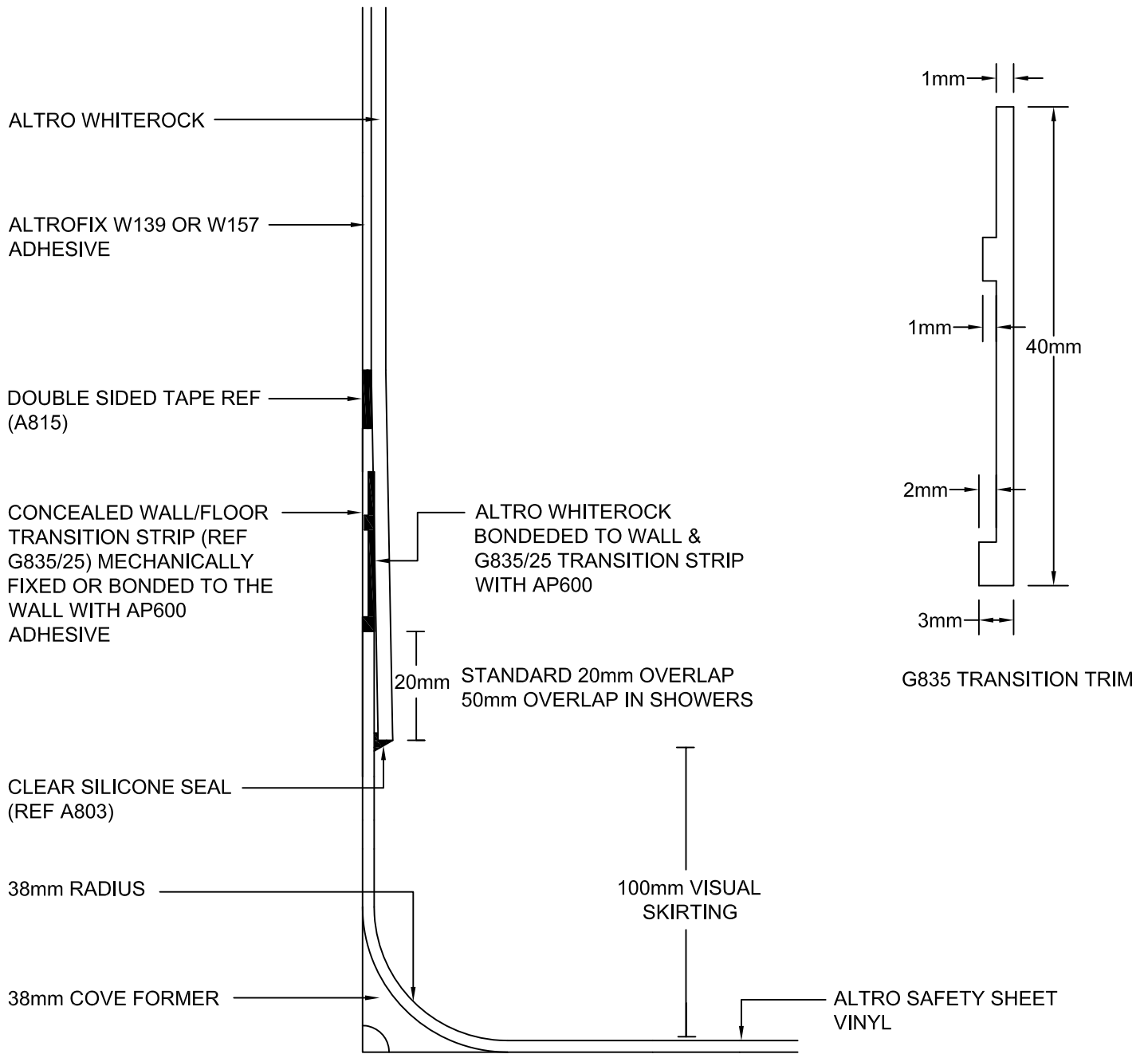


CLIENT: **CHICHESTER HARBOUR CONSERVANCY**

PROJECT: **HARBOUR CONSERVANCY ITCHENOR**

DRAWING TITLE: **PIPEWORK SCHEMATIC**

DATE: 03.12.24	DESIGNED: JC	CHECKED: NC	SCALE: NTS
PROJECT NO. 5453	DRAWING NO. M100	REV: T2	



PROJECT -		
TITLE - DETAIL OF CONCEALED TRANSITION STRIP FIXING TRIM TO SHEET		
DRAWING G835/1		REVISION A
DRAWN BY PG	CHKD BY PRJ	REVISION BY --
DATE 2011		SCALE N.T.S



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www.altro.com

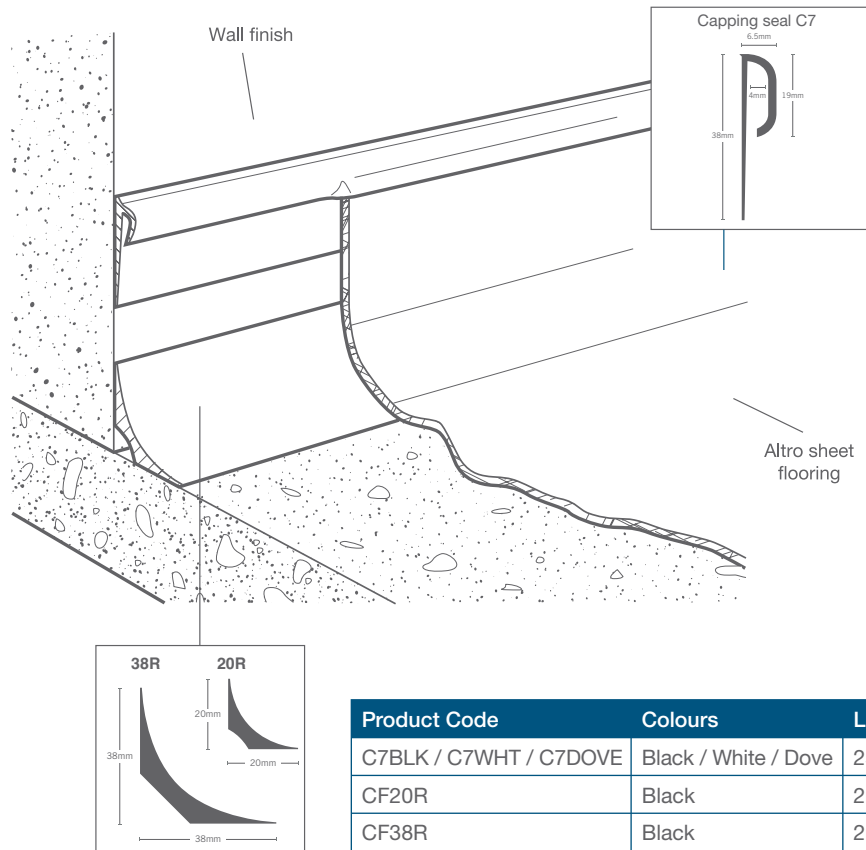
Installation techniques and detailing

Self-coved with cove former and capping seal (Ref: C7/03/05)

For locations which are not subject to liquid spillages on the wall. The Altro sheet flooring should be covered over a CF38R /CF20R radius cove former, fixed at the junction of the wall and floor, up to a minimum height of 100mm and finished into Capping Seal C7.

The cove former, Altro flooring and C7 used in this section must be adhered with a suitable contact adhesive. All mitres and joints within the coving must be hot welded.

Drawing Ref: D4/03/05



Product Code	Colours	Length
C7BLK / C7WHT / C7DOVE	Black / White / Dove	25m coil
CF20R	Black	2m
CF38R	Black	2m

For further information or technical advice

tel: 01462 707600

email: enquiries@altro.com or www.altro.com

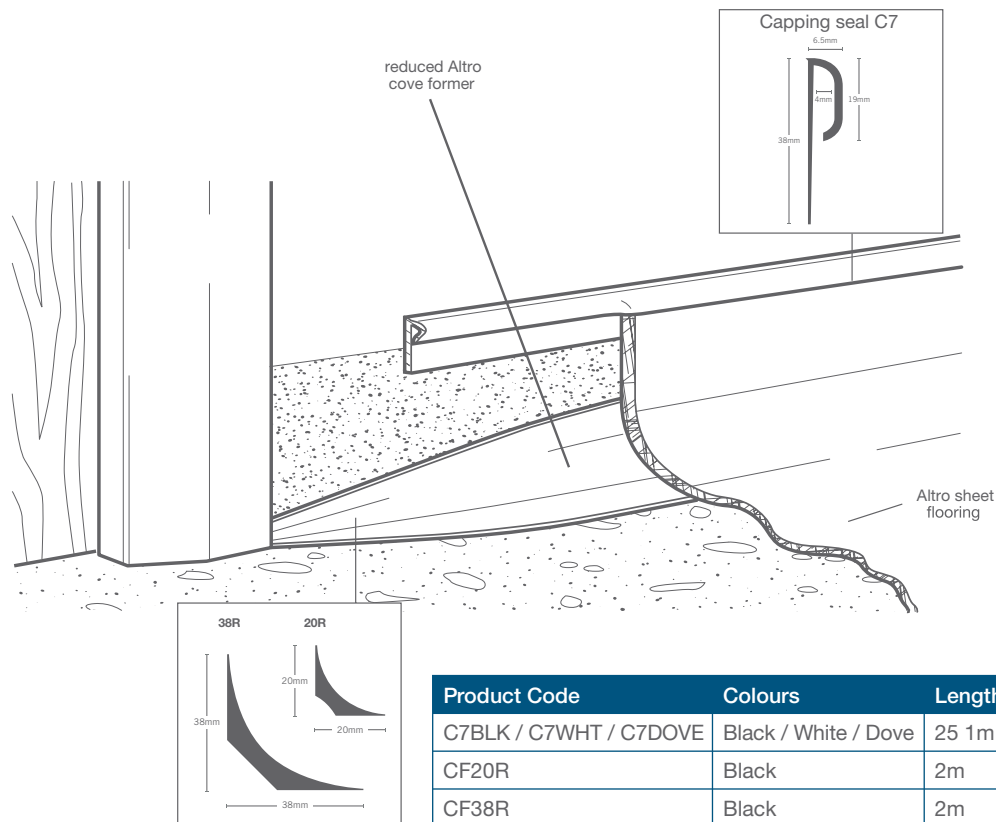
Installation techniques and detailing

Self-coved to architrave

For locations where a flush finish with no exposed edges is required to an upright such as a door architrave, a CF38R / CF20R radius cove former should be trimmed diagonally back from approx. 200mm – 300mm to a point, then fitted to the junction of the wall and floor. The Altro sheet flooring should be covered over this section up to a

minimum height of 100mm and finished into the required finishing strip. The cove former, Altro flooring and finishing strip (if appropriate) used in this section must be adhered with a suitable contact adhesive. All mitres and joints within the coving must be hot welded.

Drawing Ref: D9/03/05



For further information or technical advice

tel: 01462 707600

email: enquiries@altro.com or www.altro.com

Installation techniques and detailing

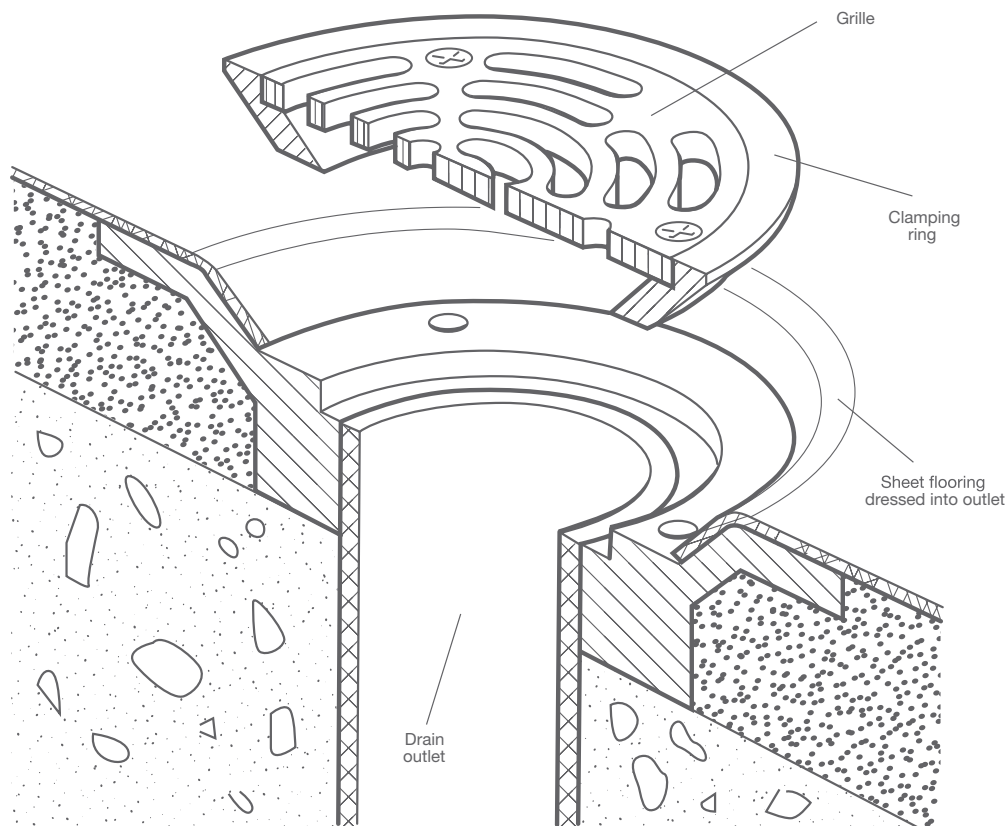
Transition with clamping drain

June 2020

For locations where the drainage of liquid spillages from floors is a necessity and a watertight seal must be formed with the drain. For clamping ring type gullies* which have been installed in accordance with the manufacturer's instructions. The sheet vinyl flooring must be dressed down and adhered with a water resistant

adhesive into the drain outlet and be secured by the clamping ring. *For example those manufactured by Wade International, Tel 01787 475151; Fax 01787 475579; e-mail tech@wadedrainage.co.uk.

Drawing Ref. D13/03/05



For further information or technical advice

tel: 01462 707600

email: enquiries@altro.com or www.altro.com

Installation techniques and detailing

Transition with clamping channel

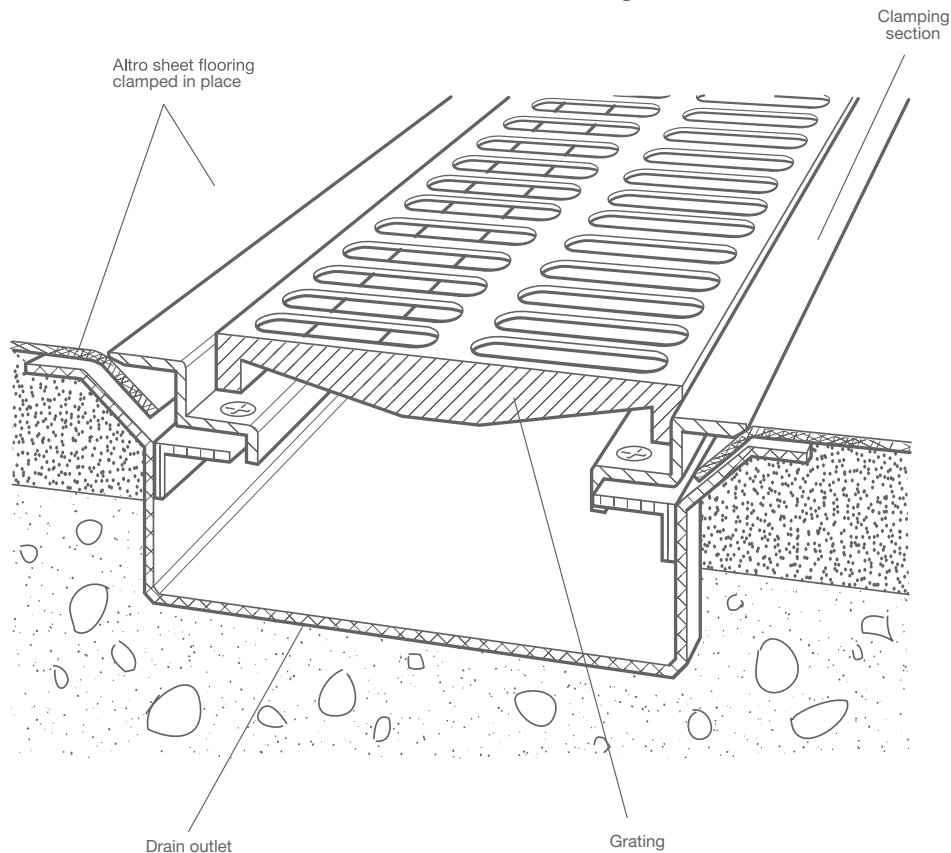
June 2020

For locations where the drainage of liquid spillages from floors is a necessity and a watertight seal must be formed with the drain channel. For clamping type channel gullies* which have been installed in accordance with the manufacturer's instructions. The sheet vinyl flooring must be dressed down and adhered with a water

resistant adhesive into the drain outlet and be secured by the clamping section.

*For example those manufactured by Wade International, Tel 01787 475151; Fax 01787 475579; e-mail tech@wadedrainage.co.uk.

Drawing Ref. D14/03/05



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(43) T (U47)

July 2011

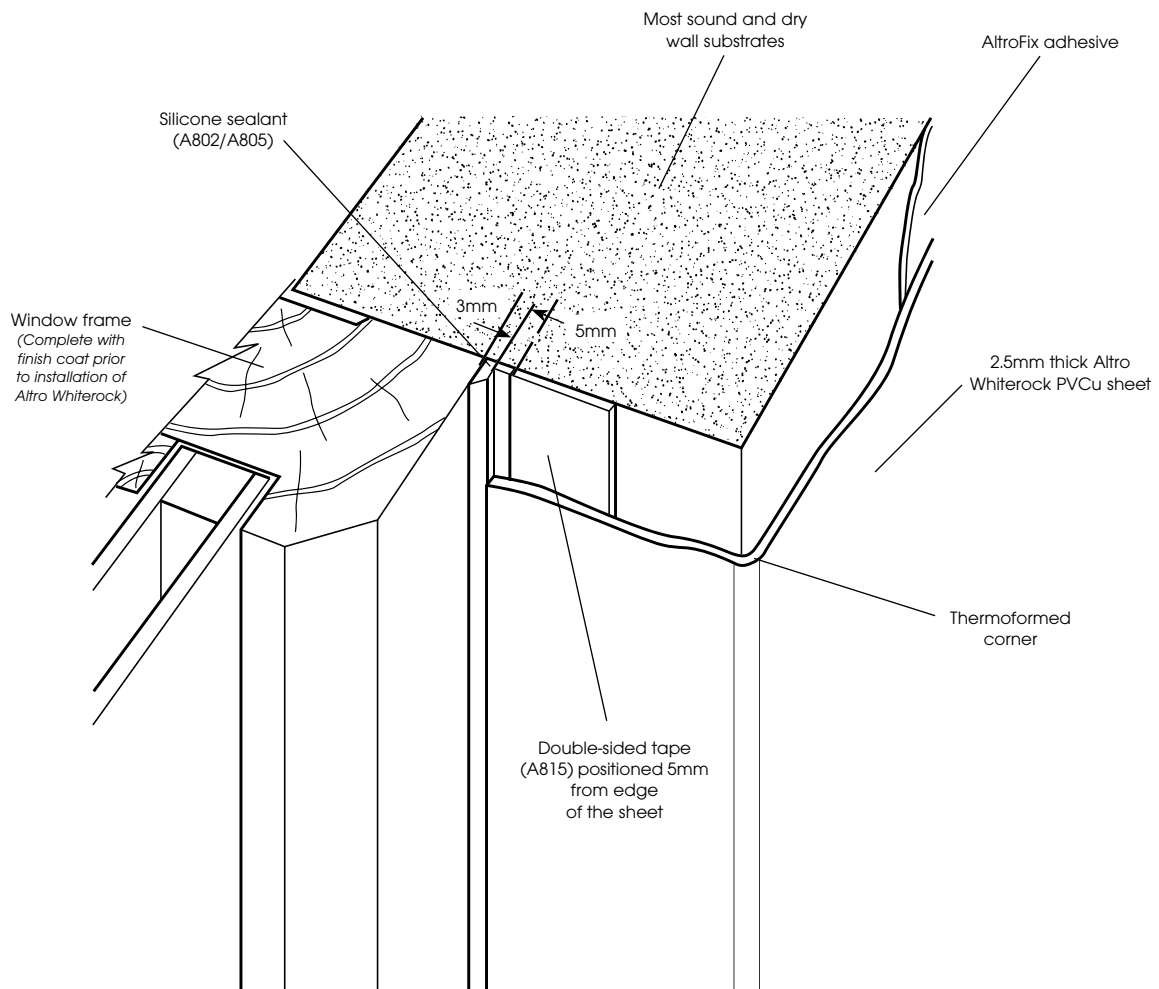
Altro Whiterock™ hygienic PVCu wall cladding to window/door frame detail

JULY 2011

typical specification (Ref: W1)

Altro Whiterock hygienic PVCu wall cladding 2.5mm thick to window or door frame with thermoformed corner fixed with double sided tape (A815) and AltroFix™ W139/W157

adhesive to most sound and dry wall substrates, sealed with silicone sealant (A802/A805).



for further information or technical advice

tel: 014362 707600 fax: 01462 707504

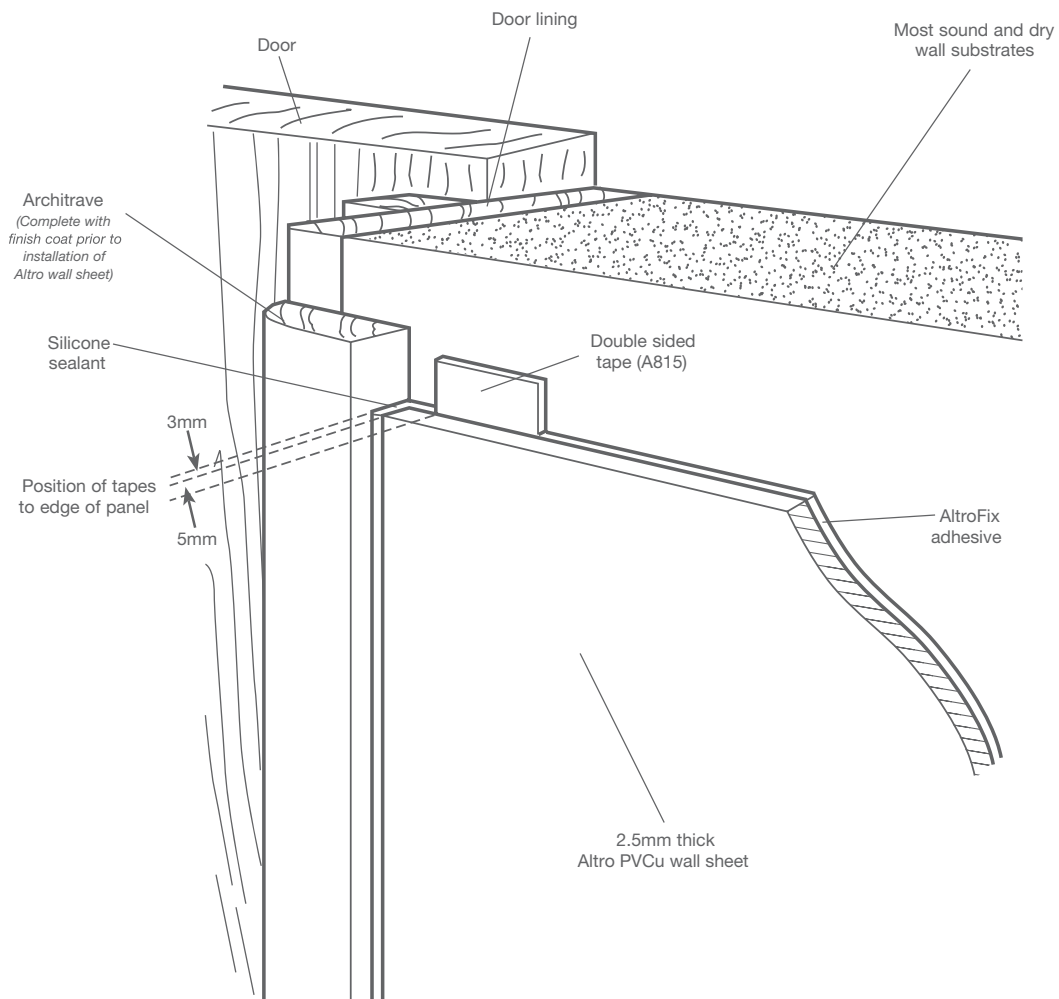
e-mail enquiries@altro.com or explore www.altro.com

Altro PVCu wall sheet to architrave detail

typical specification (Ref: W2)

Altro PVCu wall sheet 2.5mm thick to door architrave fixed with double sided tape (A815) and AltroFix™ W139/W157

adhesive to most sound and dry wall substrates, sealed with silicone sealant (A802/A805).



For further information or technical advice

tel: 01462 707600

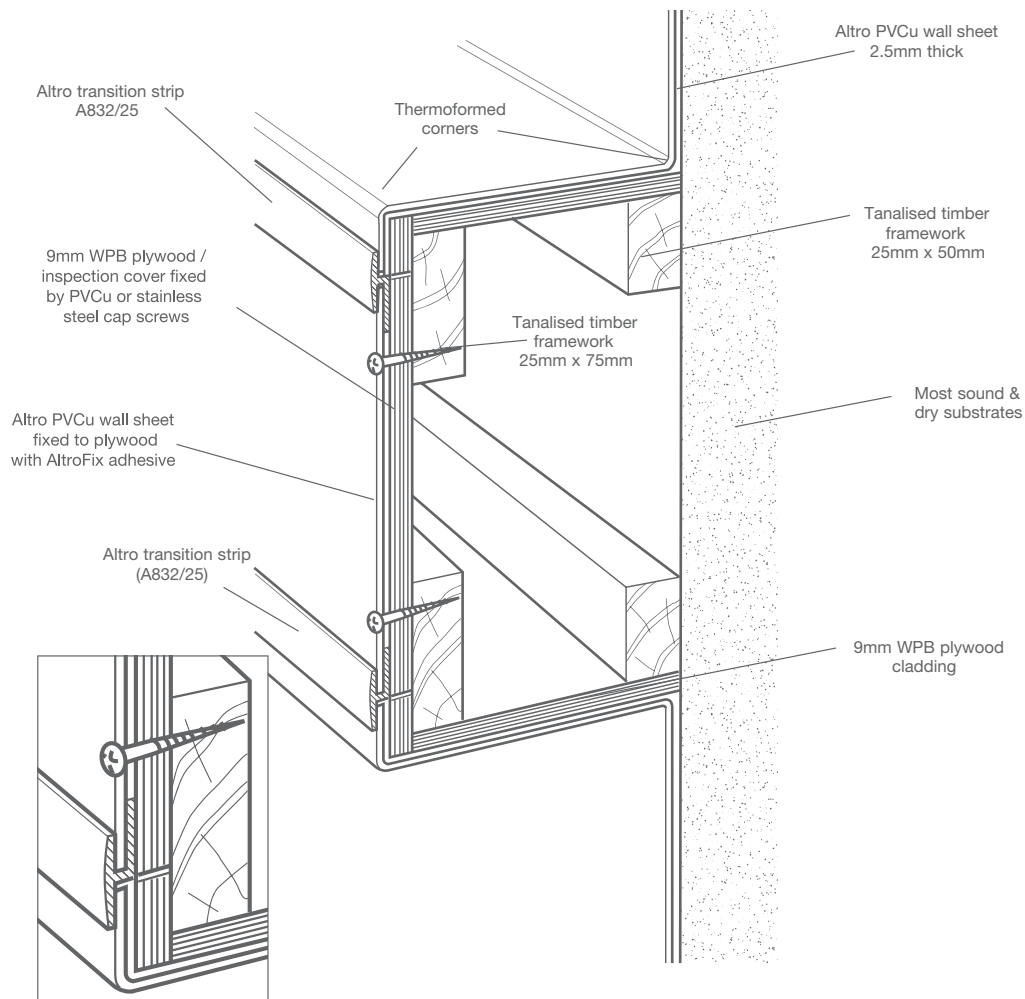
email: enquiries@altro.com or www.altro.com

Altro PVCu wall sheet to boxing inspection cover detail

typical specification (Ref: W3)

Altro PVCu wall sheet 2.5mm thick to boxing / inspection cover with thermoformed corners, using Altro transition strip (A832/25) over tanalised timber framework and

9mm WPB plywood cladding screwed to framework, fixed with AltroFix™ adhesive to plywood.



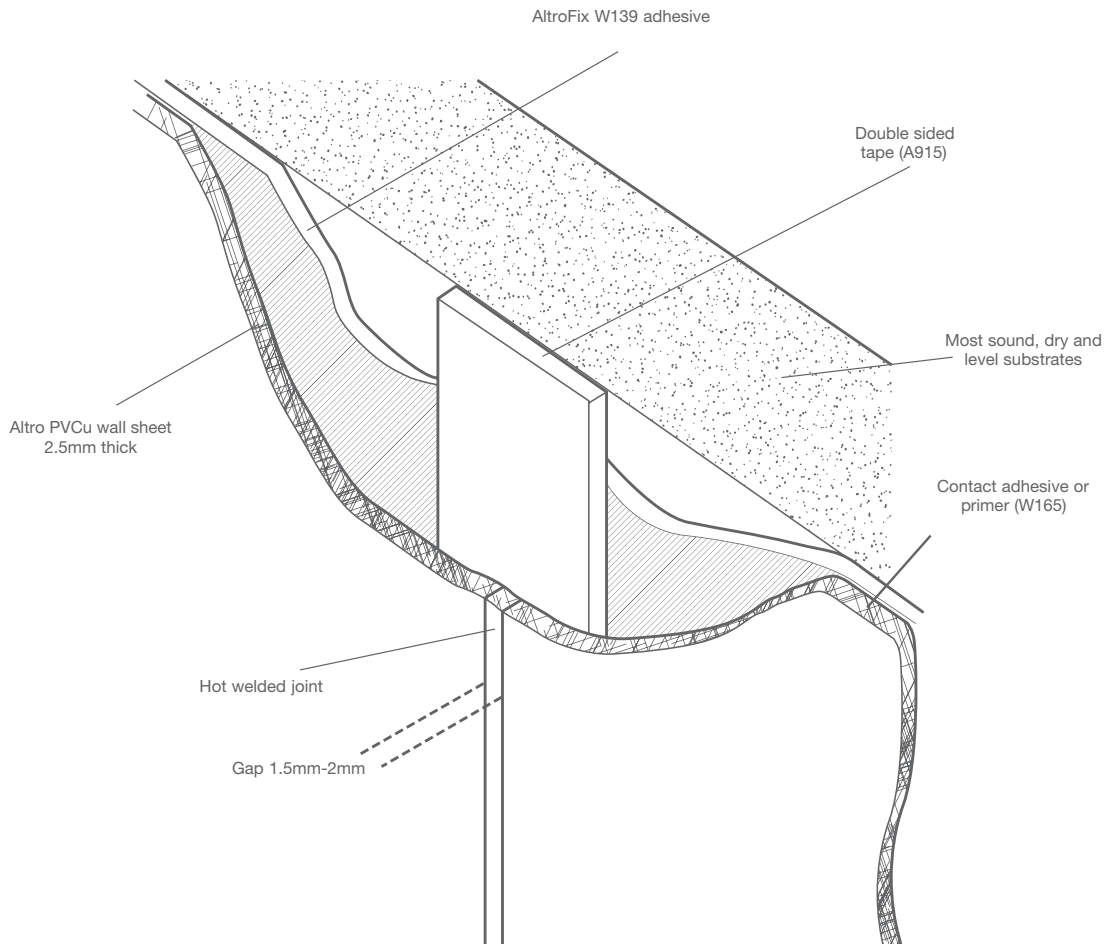
For further information or technical advice
tel: 01462 707600
email: enquiries@altro.com or www.altro.com

Altro PVCu wall sheet welded to Altro PVCu wall sheet detail

typical specification (Ref: W9)

Altro PVCu wall sheet 2.5mm thick installed over most sound, dry and level substrates, fixed with AltroFix™ W139 adhesive (A814) and double sided tape (A915) onto a primed surface

between sheets. Hot welded joint as per Altro installation recommendations.



For further information or technical advice

tel: 01462 707600

email: enquiries@altro.com or www.altro.com

NBS M50 ALTRO AQUARIUS & PISCES SAFETY FLOORING COMBINED PARAGRAPHS.

TYPE(S) OF COVERING

155 PVC SHEET FLOORING FOR SHOES & BAREFOOT IN WET ENVIRONMENTS

- Location: Harbour Conservancy Offices. Showers.
- Base: Concrete sand & cement screed and timber flooring
- Preparation: Clauses 462A, 531A & 560
- Flooring roll: Homogenous PVC to BS EN 13553.
- Manufacturer and product reference: **Altro Aquarius/Pisces 2mm thick Safety Floor by Altro Floors**, telephone 01462 480480, fax 01462 480010
- Identity Code: W2
EN ISO 10874 class 34/43.
- Slip potential: Slip resistance value (SRV) (minimum) / Pendulum test value (PTV) (minimum) to BS7976: ≥50 (wet).
- Surface roughness (Rz) (minimum) to BS 1134: ≥20 (wet)
- Recycled content: 10%
- Width: **2000 mm**
- Thickness: **2mm**
- Colour: **TBC**
- Adhesive (and primer if recommended by manufacturer): **Altrofix 19+**
- Seam welding: Hot-welding with matching Altro Welding Rod, as clause 680A.
- Accessories:
- Skirting: Clauses 771a
- Maintenance and Finishing: Clauses 810 & 821A
- Special requirements: Where the flooring is used to form the coved skirting, make certain that the wall background is smooth, clean and dry enough to allow full adhesion of the system.

This specification, in whatever format - electronic, is only valid if it is a true copy of the filed paper copy held at Altro. If you are in any doubt as to the authenticity of the copy, please ask for verification.

GENERALLY

210 WORKMANSHIP GENERALLY:

- All bases must be rigid, dry, sound, smooth and free from grease, dirt and other contaminants before coverings are applied.
- Finished coverings must be accurately fitted, tightly jointed, securely bonded, smooth and free from air bubbles, rippling, adhesive marks and stains.

220 SAMPLES:

Before placing orders, submit for approval a representative sample of each type of covering. Ensure that delivered materials match samples.

250 LAYOUT:

Agree setting out of seams before ordering roll materials for sheeting type(s) M50/150.

251 LAYOUT:

Set out sheet coverings so that seams and cross seams are kept to a minimum. Cross seams will not be permitted.

252 LAYOUT:

Agree setting out of pattern before ordering materials for covering type(s) M50/150.

270 EXTRA MATERIAL:

Provide **5%** extra of each type of covering to be handed over to the Employer at completion.

- 310 **MARKING:**
Ensure that materials are delivered to site in original packing, clearly marked with batch number.
- 320 **STORAGE:**
Store materials in a clean, warm, dry, well ventilated place. Keep in original packing until conditioning commences.
- 330 **COMMENCEMENT:**
Do not lay materials until building is weathertight, wet trades have finished their work, the building is well dried out, all paintwork is finished and dry, conflicting overhead work completed, and floor service outlets, duct covers and other fixtures around which the materials are to be cut have been fixed. Inform CA not less than 48 hours before commencing laying.
- 340 **CONDITIONING:**
Before laying commences thoroughly condition materials by unpacking and separating in the spaces where they are to be laid. Maintain resilient flooring rolls in an upright position, unroll carpet and keep flat on a supporting surface. Minimum conditioning time and temperature to be as recommended by manufacturer. Extend period by a factor of 2 for materials stored or transported at a temperature of less than 10°C immediately prior to laying.
- 350 **ENVIRONMENT:**
Before, during and after laying, provide adequate ventilation and maintain temperature and humidity approximately at levels which will prevail after the building is occupied.
- 360 **UNDERFLOOR HEATING:**
In accordance with BS8203 Underfloor heating should be switched off 48 hours prior to laying the floorcovering. The heating should not be turned on until at least 48 hours after laying and peak temperature should be avoided for a further 7 days.

PREPARING BASES

- 410 **SUITABILITY OF NEW BASES AND CONDITIONS:**
Laying of coverings will be taken as joint acceptance by the Main Contractor and Subcontractor of the suitability of the bases and conditions within any given area.
- 420 **SUITABILITY OF EXISTING BASES AND CONDITIONS:**
- Before commencing work the subcontractor must confirm (through the Main Contractor) that existing bases will, after the specified preparation, be suitable to receive the specified coverings.
 - Laying of coverings will be taken as further acceptance of the suitability of the bases and also of the conditions within any given area.
- 430 **DAMPNESS:**
Where coverings are to be laid on new wet-laid bases:
- Ensure that drying aids have been turned off for not less than 4 days, then
 - Test for moisture content using an accurately calibrated hygrometer in accordance with BS 5325, Annex A or BS 8203, Annex A.
 - Take readings in all corners, along edges, and at various points over the area being tested.
 - Do not lay coverings until all readings show 75% relative humidity or less.
- 440 **SUBSTRATES:**
The specifications for trowelled finishes to receive thin floor coverings require:
- A uniform, smooth surface free from trowel marks and other blemishes, and suitable to receive the specified floor finish material.
 - Adequate protection from construction traffic.
 - Allowance for making good by application of a smoothing compound by and to the satisfaction of the flooring subcontractor in the event of the surface being unsuitable due to inadequate finishing or protection.

462A SMOOTHING UNDERLAYMENT COMPOUND:

- Manufacturer and reference: **Ardex UK Ltd, ArditeX 'NA' smoothing compound.**
- Apply to base at a minimum thickness of 3mm in accordance with manufacturer's product data sheet incorporating aggregate for applications more than 12mm thick.
- Allow to dry before laying floor tiling/sheeting.

531A SURFACE DAMP PROOF MEMBRANE: (If required)

- Manufacturer and reference: **AltroProof Solo 'Universal' epoxy surface damp proof membrane by Altro Floors effective up to 97% R.H.**
NB: Please note AltroProof Solo 'Fast Track' is also available where floor coverings are to be laid same day. Conditions apply.
- In the event of underfloor heating please consult Altro Technical for conditions of use.
- Apply in accordance with manufacturer's instructions.

560 PLYWOOD UNDERLAY:

- To an approved national standard.
Bonding quality to BS EN 314: Part 2: Class 3
Finish: Feather finish over joints and fixings with Ardex feather finish or equivalent
Thickness: Minimum 6 mm.
Sheet size: 1220 x 2400 mm.
- Ensure that existing floor boards are securely fixed and acceptably level. Remove or fill any gross irregularities. Punch in any protruding fasteners.
- Lay sheets with cross joints staggered such that no joint within the base and underlay is coincident and with a 0.5-1 mm gap between sheets.
- Fix with 25 mm ring shanked or twisted shank nails or divergent staples, commencing at the centre of one side of each sheet, at 150 mm grid centres over the area of each sheet and at 100 mm centres along perimeter, set in 12 mm from edge.
- Ensure that fasteners are driven well in, with heads set flush with surface, and do not project through underside of base. Remove and replace fasteners that deform while being driven.

LAYING COVERINGS

620 COLOUR CONSISTENCY:

In any one area/room use only coverings from the same production batch to prevent banding or patchiness resulting from colour/flash variation.

640 ADHESIVE FIXING GENERALLY: **Altrofix 19+**

- Adhesive: when not specified otherwise, type to be as recommended by covering/underlay manufacturer as appropriate or, in the absence of such recommendation, type to be approved.
- Use a primer where recommended by adhesive manufacturer. Allow to dry thoroughly before applying adhesive.
- Spread adhesive evenly and lay covering, pressing down firmly and rolling laterally and transversely (if recommended) to ensure full contact and a good bond overall. Reroll (if recommended) within 30 minutes.
- Remove all surplus adhesive from exposed faces of coverings as the work proceeds.
- Trowel ridges and high spots caused by particles on the substrate will not be accepted.

641A ADHESIVE FIXING – ALTRO SHEET FLOORING:

- Place the material in position on the floor, allowing at least 25 mm each end for trimming, and overlapping at least 15 mm at joints.
- Cut-in material along joints.
- Fold (do not roll) the material back along half its length. When adhesive is ready, refold material back onto adhesive. Repeat for second half of material.
- Consult data sheet on rolling requirements.

670 BORDERS/FEATURE STRIPS of sheet material:

- Cut strips along the length of the sheet to prevent curl.
- Mitre joints at corners.

- 671 Cut Altro butterfly mitres at internal and external corners.
- 680A SEAM WELDING:
- Do not commence welding of coverings until a minimum of 24 hours after laying or until adhesive has completely set.
 - Cut groove, 3 mm wide by $\frac{2}{3}$ the depth of material, evenly along each joint using:
 - Altro hand grooving tool or
 - Automatic grooving machine fitted with diamond blade.
 - Hot-weld using hot air welding gun (fitted with high speed welding nozzle) and Altro welding rod. Select colour of rod to match floor covering. Cut off surplus weld rod with spatula. Do not chemical weld.
 - Form a neat, smooth, strongly bonded joint, flush with finished surface.
- 720 DOORWAYS:
Make joint on centre line of door leaf unless specified otherwise.
- 731A SEALANT:
- Manufacturer and reference: Altromastic 100 by Altro Floors, colour to match floorcovering.
 - Location: To all exposed edges of flooring material around all protrusions through floor and pipework as necessary.
- 740 EDGINGS/COVER STRIPS:
- Manufacturer and reference(s): Quantum
 - Material/finish: Aluminium or PVC
 - Fix securely in accordance with manufacturers instructions.
- 742 DRAIN OUTLETS:
Drain outlet/channel to be clamping ring type gulley/type channel such as those supplied by Wade International, tel: 01787 475151. The Altro flooring should be dressed into the drain outlet/channel and be clamped by the clamping ring/clamping section.
- See detail drawing D13 (ring type gully)
 - Alternatively drawing reference D14 (channel type)
- 771A SELF-COVERED SKIRTINGS - GENERAL:
- Cove former: Altro 38R.
Securely bond to base and background.
 - Turn flooring material up wall and securely bond to cove former and background, with top edge straight.
Accurately mitre at corners.
Height: Minimum 100mm
Top edge: Altro: C7 Capping Seal
 - Adhesive: as F Ball recommendation
 - Hot weld joints and mitred corners with matching Altro welding rod. Do not chemical weld.
 - See Altro detail D4 (C7)
- 771B **SELF-COVERED SKIRTINGS - WHITEROCK:**
- Cove former: Altro 38R.
- Use Altro concealed wall/floor transition strip with overlap detail (Ref G835 / 25) mechanically fixed or bonded to the wall with adhesive (Ref Altro AP600).
- See drawing G835/1 attached.
- 773A JUNCTIONS BETWEEN SELF-COVERED SKIRTINGS AND DOOR FRAMES/ARCHITRAVES:
Trim back of cove formers in proximity to door openings, and terminate self-covered skirtings against side of architraves.
- See Altro detail drawing D9.

- 780A TRAFFIC:
After laying, keep floor covering free from traffic until adhesive is set.

COMPLETION

- 810 CLEANING GENERALLY: Remove all scrap, dust and dirt. Carefully remove adhesive and other marks from coverings and adjacent surfaces, using approved cleaning agents and methods.

821A FINISHING PLASTICS FLOORING:

- GENERAL

- Wash floor with water containing AltroClean 44 or equivalent alkaline cleaner.
- Thoroughly rinse with clean water to remove detergent, and allow floor to dry.

SMALL / LIGHTLY SOILED AREAS

- Scrub with a deck scrubber or Altro Unipad, 14" x 4" rectangular cleaning pad ref: AHCP 14/4/10 attached to a Multimop MM30 multi mop handle as instructed above.

LARGE / HEAVILY SOILED AREAS

- Mechanically scrub using a rotary cleaning machine fitted with an Altro Unipad cleaning pad (or similar of the correct size) reference:
 - AMCP 13/5 13"
 - AMCP 15/5 15"
 - AMCP 16/5 16"
 - AMCP 17/5 17"
- All of the above cleaning pads/Multipop and Altroclean 44 floor cleaner can be obtained from: All Purpose Cleaning Supplies Ltd, 6 North Street, Melton Mowbray, Leicestershire, LE13 1NL, Tel: 01664 566599

Contact Altro for detailed cleaning instructions: Altro Limited, tel: +44(0)1462 707600, fax: +44 (0)1462 707515, email: enquiries@altro.com

861 SLIP RESISTANCE TESTING

- Testing authority: An approved laboratory
- Floor covering(s) to be tested: M50/155
- Test: To BS 7976.
 - Floor covering condition: WET
 - Witnessing/ Certification: Arrange for tests to be witnessed/ certified by: _____.
 - Report: Submit.

870 PROTECTION:

Cover flooring with clean dust sheets, or other nonstaining suitable material to prevent damage from dirt and traffic prior to Practical Completion. Ensure any material with printed information on one face is laid with printed face uppermost.

880 WASTE / RECYCLING: ALTRO RECOFLOOR™

- Clean, adhesive-free off-cuts to be removed from site and taken to an Altro Recofloor collection points for recycling.
 - Contact Altro for further details of this scheme and the Recowall recycling scheme. Altro Limited, tel: +44(0)1462 707600, fax: +44 (0)1462 707515, email: enquiries@altro.com, website www.altro.com

NBS M50 ALTRO CLASSIC 25 SAFETY FLOORING COMBINED PARAGRAPHS.

TYPE(S) OF COVERING

150 PLASTICS FLOORING:

- Location: Harbour Conservancy Offices. Kit room and entrance area
- Base: Sand & cement concrete
- Preparation: Clauses 462A, 531A
- Flooring roll: Homogenous PVC to BS EN 13845.
- Manufacturer and product reference: **Altro Classic 25 2.5mm thick Safety Floor by Altro Floors**, telephone 01462 480480, fax 01462 480010.
- EN ISO 10874 class 34/43.
- Slip potential: Slip resistance value (SRV) (minimum) / Pendulum test value (PTV) (minimum) to BS7976: ≥ 36 (wet).
- Surface roughness (Rz) (minimum) to BS 1134: ≥ 20 (wet)
- Recycled content: 10%
- Width: **2000 mm**
- Thickness: **2.5mm**
- Colour: **TBC**
- Adhesive (and primer if recommended by manufacturer): AltroFix A19 +
- Seam welding: Hot-welding with matching Altro Welding Rod, as clause 680A.
- Accessories: Clauses
- Skirting: Clauses
- Maintenance and Finishing: Clauses
- Special requirements: Where the flooring is used to form the coved skirting, make certain that the wall background is smooth, clean and dry enough to allow full adhesion of the system.

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GENERALLY

210 WORKMANSHIP GENERALLY:

- All bases must be rigid, dry, sound, smooth and free from grease, dirt and other contaminants before coverings are applied.
- Finished coverings must be accurately fitted, tightly jointed, securely bonded, smooth and free from air bubbles, rippling, adhesive marks and stains.

220 SAMPLES:

Before placing orders, submit for approval a representative sample of each type of covering. Ensure that delivered materials match samples.

250 LAYOUT:

Agree setting out of seams before ordering roll materials for sheeting type(s) M50/150.

251 LAYOUT:

Set out sheet coverings so that seams and cross seams are kept to a minimum. Cross seams will not be permitted.

252 LAYOUT:

Agree setting out of pattern before ordering materials for covering type(s) M50/150.

270 EXTRA MATERIAL:

Provide **5%** extra of each type of covering to be handed over to the Employer at completion.

- 310 **MARKING:**
Ensure that materials are delivered to site in original packing, clearly marked with batch number.
- 320 **STORAGE:**
Store materials in a clean, warm, dry, well ventilated place. Keep in original packing until conditioning commences.
- 330 **COMMENCEMENT:**
Do not lay materials until building is weathertight, wet trades have finished their work, the building is well dried out, all paintwork is finished and dry, conflicting overhead work completed, and floor service outlets, duct covers and other fixtures around which the materials are to be cut have been fixed. Inform CA not less than 48 hours before commencing laying.
- 340 **CONDITIONING:**
Before laying commences thoroughly condition materials by unpacking and separating in the spaces where they are to be laid. Maintain resilient flooring rolls in an upright position, unroll carpet and keep flat on a supporting surface. Minimum conditioning time and temperature to be as recommended by manufacturer. Extend period by a factor of 2 for materials stored or transported at a temperature of less than 10°C immediately prior to laying.
- 350 **ENVIRONMENT:**
Before, during and after laying, provide adequate ventilation and maintain temperature and humidity approximately at levels which will prevail after the building is occupied.
- 360 **UNDERFLOOR HEATING:**
In accordance with BS8203, 2017 Underfloor heating should be switched off 48 hours prior to laying the floorcovering. The heating should not be turned on until at least 48 hours after laying and peak temperature should be avoided for a further 7 days.

PREPARING BASES

- 410 **SUITABILITY OF NEW BASES AND CONDITIONS:**
Laying of coverings will be taken as joint acceptance by the Main Contractor and Subcontractor of the suitability of the bases and conditions within any given area.
- 420 **SUITABILITY OF EXISTING BASES AND CONDITIONS:**
- Before commencing work the subcontractor must confirm (through the Main Contractor) that existing bases will, after the specified preparation, be suitable to receive the specified coverings.
 - Laying of coverings will be taken as further acceptance of the suitability of the bases and also of the conditions within any given area.
- 430 **DAMPNESS:**
Where coverings are to be laid on new wet-laid bases:
- Ensure that drying aids have been turned off for not less than 4 days, then
 - Test for moisture content using an accurately calibrated hygrometer in accordance with BS 5325, Annexe A or BS 8203, Annexe B.
 - Take readings in all corners, along edges, and at various points over the area being tested.
 - Do not lay coverings until all readings show 75% relative humidity or less.
- 440 **SUBSTRATES:**
The specifications for trowelled finishes to receive thin floor coverings require:
- A uniform, smooth surface free from trowel marks and other blemishes, and suitable to receive the specified floor finish material.
 - Adequate protection from construction traffic.
 - Allowance for making good by application of a smoothing compound by and to the satisfaction of the flooring subcontractor in the event of the surface being unsuitable due to inadequate finishing or protection.

- 462A SMOOTHING UNDERLAYMENT COMPOUND:
- Manufacturer and reference: **Ardex UK Ltd, Arditex 'NA' smoothing compound.**
 - Apply to base at a minimum thickness of 3mm in accordance with manufacturer's product data sheet incorporating aggregate for applications more than 12mm thick.
 - Allow to dry before laying floor tiling/sheeting.
- 470 EXISTING FLOOR COVERING TO BE REMOVED:
Completely remove covering and as much adhesive as possible. Skim with smoothing underlayment compound to give a smooth, even surface.
- 531A SURFACE DAMP PROOF MEMBRANE: (If required)
- Manufacturer and reference: **AltroProof Solo 'Universal' epoxy surface damp proof membrane by Altro Floors effective up to 97% R.H.**
NB: Please note AltroProof Solo 'Fast Track' is also available where floor coverings are to be laid same day. Conditions apply.
 - In the event of underfloor heating please consult Altro Technical for conditions of use.
 - Apply in accordance with manufacturer's instructions.

LAYING COVERINGS

- 620 COLOUR CONSISTENCY:
In any one area/room use only coverings from the same production batch to prevent banding or patchiness resulting from colour/flash variation.
- .
- 641A ADHESIVE FIXING – ALTRO SHEET FLOORING: AltroFix A19 +
- Place the material in position on the floor, allowing at least 25 mm each end for trimming, and overlapping at least 15 mm at joints.
 - Cut-in material along joints.
 - Fold (do not roll) the material back along half its length. When adhesive is ready, refold material back onto adhesive. Repeat for second half of material.
 - Consult data sheet on rolling requirements.
- 670 BORDERS/FEATURE STRIPS of sheet material:
- Cut strips along the length of the sheet to prevent curl.
 - Mitre joints at corners.
- 671 Cut Altro butterfly mitres at internal and external corners.
- 680A SEAM WELDING:
- Do not commence welding of coverings until a minimum of 24 hours after laying or until adhesive has completely set.
 - Cut groove, 3 mm wide by $\frac{2}{3}$ the depth of material, evenly along each joint using:
 - Altro hand grooving tool or
 - Automatic grooving machine fitted with diamond blade.
 - Hot-weld using hot air welding gun (fitted with high speed welding nozzle) and Altro welding rod. Select colour of rod to match floor covering. Cut off surplus weld rod with spatula. Do not chemical weld.
 - Form a neat, smooth, strongly bonded joint, flush with finished surface.
- 720 DOORWAYS:
Make joint on centre line of door leaf unless specified otherwise.
- 731A SEALANT:
- Manufacturer and reference: Altromastic 100 by Altro Floors, colour to match floorcovering.
 - Location: To all exposed edges of flooring material around all protrusions through floor and pipework as necessary.

- 740 EDGINGS/COVER STRIPS:
- Manufacturer and reference(s): Quantum
 - Material/finish: Aluminium / PVC
 - Fix securely in accordance with manufacturers instructions.
- 742 DRAIN OUTLETS:
- Drain outlet/channel to be clamping ring type gulley/type channel such as those supplied by Wade International, tel: 01787 475151. The Altro flooring should be dressed into the drain outlet/channel and be clamped by the clamping ring/clamping section.
- See detail drawing D13 (ring type gully)
 - Alternatively drawing reference D14 (channel type)
- 771A SELF-COVERED SKIRTINGS - GENERAL:
- Cove former: Altro 38R.
 - Securely bond to base and background.
 - Turn flooring material up wall and securely bond to cove former and background, with top edge straight.
 - Accurately mitre at corners.
 - Height: Minimum 100mm
 - Top edge: Altro: C7 Capping Seal
 - Adhesive:
 - Hot weld joints and mitred corners with matching Altro welding rod. Do not chemical weld.
 - See Altro detail D4 (C7)
- 773A JUNCTIONS BETWEEN SELF-COVERED SKIRTINGS AND DOOR FRAMES/ARCHITRAVES:
- Trim back of cove formers in proximity to door openings, and terminate self-covered skirtings against side of architraves.
- See Altro detail drawing D9.

COMPLETION

- 810 CLEANING GENERALLY:
- Remove all scrap, dust and dirt. Carefully remove adhesive and other marks from coverings and adjacent surfaces, using approved cleaning agents and methods.
- 821A FINISHING PLASTICS FLOORING:
- GENERAL
- Wash floor with water containing AltroClean 44 or equivalent alkaline cleaner.
 - Thoroughly rinse with clean water to remove detergent, and allow floor to dry.
- SMALL / LIGHTLY SOILED AREAS
- Scrub with a deck scrubber or Altro Unipad, 14" x 4" rectangular cleaning pad ref: AHCP 14/4/10 attached to a Multimop MM30 multi mop handle as instructed above.
- LARGE / HEAVILY SOILED AREAS
- Mechanically scrub using a rotary cleaning machine fitted with an Altro Unipad cleaning pad (or similar of the correct size) reference:
 - AMCP 13/5 13"
 - AMCP 15/5 15"
 - AMCP 16/5 16"
 - AMCP 17/5 17"
 - All of the above cleaning pads/Multipop and Altroclean 44 floor cleaner can be obtained from: All Purpose Cleaning Supplies Ltd, 6 North Street, Melton Mowbray, Leicestershire, LE13 1NL, Tel: 01664 566599
 - Contact Altro for detailed cleaning instructions: Altro Limited, tel: +44(0)1462 707600, fax: +44 (0)1462 707515, email: enquiries@altro.com

870 PROTECTION:

Cover flooring with clean dust sheets, or other nonstaining suitable material to prevent damage from dirt and traffic prior to Practical Completion. Ensure any material with printed information on one face is laid with printed face uppermost.

880 WASTE / RECYCLING: ALTRO RECOFLOOR™

- Clean, adhesive-free off-cuts to be removed from site and taken to an Altro Recofloor collection points for recycling.
 - Contact Altro for further details of this scheme and the Recowall recycling scheme. Altro Limited, tel: +44(0)1462 707600, fax: +44 (0)1462 707515, email: enquiries@altro.com, website www.altro.com

NBS M50
ALTRO WHITEROCK WHITE™, SATINS™ WALL CLADDING (ALTRO 2.5mm
UPVC WALL CLADDING SHEET)

TYPE(S) OF COVERING

110 PVCu LININGS TO WALLS:

- Project: Harbour Conservancy Offices.
- Location: Showers.
- Substrate: TBC. See 440 & 440A
- Sheet: Extruded semi-rigid PVCu sheet, EU Grade
- Maximum service temp: 60°C
- Fire rating: BS 476 Part 7 (1987) surface spread of flame - Class 1 BS
476 Part 6 (1989) fire propagation - Class 0* (*when fixed
to a non-combustible substrate) EN13501-1 B-s3, d0
- Manufacturer / Product reference:
Altro Whiterock™ White W103/W104
Altro Whiterock™ Satins W136/W137
hygienic wall cladding by Altro Limited,
telephone +44(0)1462 707600,
fax +44 (0)1462 707515, email enquiries@altro.com
- Width: 1220 mm
- Length: 2500 (W103 and W136) or 3000mm (W104 and W137)
- Thickness: 2.5 mm
- Surface finish: Satin
- Colour: White and various for Satins
- Light reflectance values: 68-93 (ask for details)
- Adhesive: AltroFix™ W139
- Joints: Para 680 & 740
- Accessories
- Maintenance and finishing: 810
- Special requirements:

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GENERALLY

210 WORKMANSHIP GENERALLY:

- All bases must be rigid, dry, sound, smooth and free from grease, dirt and other contaminants before coverings are applied.
- Finished coverings must be accurately fitted, jointed as per manufacturer's instructions, securely bonded, smooth and free from air bubbles, rippling, adhesive marks and stains.

220 SAMPLES:

- Before placing orders, submit for approval a representative sample of each type of covering. Ensure that delivered materials match samples.

251 LAYOUT:

Set out sheet coverings so that joints are kept to a minimum.

- Internal and external corners to be thermoformed onsite, limiting the number of joints required.

310 MARKING:

- Ensure that materials are delivered to site in original packing, clearly marked with batch number.

320 STORAGE:

- Store materials in a clean, warm, dry, well-ventilated place. Keep in original packing until

conditioning commences.

330 COMMENCEMENT:

- Do not lay materials until building is weather tight, wet trades have finished their work, the building is well dried out, all paintwork is finished and dry, conflicting overhead work completed, and service outlets, duct covers and other fixtures around which the materials are to be cut have been fixed. Inform CA not less than 48 hours before commencing fitting.

340 CONDITIONING:

- Sheets should be stored flat, fully supported and left for 24 hours to attain the ambient room temperature prior to installation (min 14°C). Minimum conditioning time to be increased by a factor of 2 for materials stored or transported at a temperature of less than 10°C immediately prior to installing.

350 Environment: General

- Before during and after laying, provide adequate ventilation and maintain temperature and humidity approximately at levels which will prevail after the building is being occupied.

350 Environment: Heat

Areas where open cooking or open flame equipment is being used should comply with the following:

- Altro Whiterock panels once installed should not be exposed to temperatures above 60 degrees Centigrade.
- Before the testing of Kitchen equipment which is likely to expel severe heat, extraction systems must be operational. Failure to do so may result in expansion problems.
- With the construction of a dry wall system in a kitchen area or where the area has been adapted to form a wall behind cooking ranges. Altro Walls recommends the substrate or dry wall lining should be constructed with a Calcium Silica board. Stainless steel panels should then be used to clad these areas.
- Hot pipes and steam pipes should be insulated and a 3-5mm expansion gap should be created when installing panels around these pipes.

PREPARING SUBSTRATES

410 SUITABILITY OF NEW SUBSTRATES AND CONDITIONS: Fitting of coverings will be taken as joint acceptance by the Main Contractor and Subcontractor of the suitability of the substrates and conditions within any given area.

420 SUITABILITY OF EXISTING SUBSTRATES AND CONDITIONS:

- Before commencing work the subcontractor must confirm (through the Main Contractor) that existing substrates will, after the specified preparation, be suitable to receive the specified coverings.
- Fitting of coverings will be taken as further acceptance of the suitability of the bases and also of the conditions within any given area.

430 DAMPNESS: Where linings are to be fitted on new wet-laid substrates:

- All substrates to be dried to minimum of 16% WME (Wood Moisture Equivalent) on Protimeter 'Surveymaster' equipment or similar.
- Take readings in all corners, along edges, and at various points over the area being tested.

440 SUITABLE SUBSTRATES: GENERAL

The specifications for finishes to receive PVCu wall cladding require:

- Good quality fairfaced brick or blockwork. Well aligned joints bagged up flush. Straight to within 3mm over a 2m straight edge and bricks/blocks flush with ones adjacent.
- Sand & cement rendering 1:3 to steel trowel finish.
- 12.5mm thick plasterboard. (do not seal with sealers as for decorating). If wall is affords fire protection ensure joints between plasterboard sheets filled with appropriate fillers.
- Minimum 9mm W.B.P. resin bonded plywood fixed at 200mm centres to suitable studwork or direct to solid substrate.
- Minimum 9mm MDF dense wood based panels fixed at 200mm centres to suitable studwork, or direct to solid substrate.

- Ceramic tiles which are clean and securely bonded to substrate.
 - Certain sound painted surfaces (an adhesive test is advisable to ascertain compatibility).
 - Plastered surfaces - finished with steel trowel. (pink lightweight plasters generally not suitable).
 - Porous surfaces to be thoroughly sealed with diluted PVA applied to the surface 12 hours prior to the installation. The sealer should be used in a diluted ratio of 1:10. Alternatively use Altro Primer Seal Ref: AGCPNF/01
- 440A SUITABLE SUBSTRATES - WELDED FINISH:
- Surface straight to within 3mm over a 2m straight edge.
 - Sand & cement rendering 1:3 to steel trowel finish.
 - 12.5mm thick plasterboard. (do not seal with sealers as for decorating). If wall affords fire protection ensure joints between plasterboard sheets filled with appropriate fillers.
 - Minimum 9mm W.B.P. resin bonded plywood fixed at 200mm centres to suitable studwork or direct to solid substrate.
 - Minimum 9mm MDF dense wood based panels fixed at 200mm centres to suitable studwork or direct to solid substrate.
 - Ceramic tiles which are clean securely bonded to the substrate and are level and true without any undulations or raised edges
 - Certain sound painted surfaces (an adhesive test is advisable to ascertain compatibility).
 - Plastered surfaces - finished with steel trowel. (pink lightweight plasters generally not suitable).
 - Porous surfaces to be thoroughly sealed with diluted PVA applied to the surface 12 hours prior to the installation. The sealer should be used in a diluted ratio of 1:10. Alternatively use Altro Primer Seal Ref: AGCPNF/01

FITTING COVERINGS

- 640 ADHESIVE FIXING GENERALLY:
- Adhesive should not be stored at temperatures below 5°C.
 - Recommended ambient temperature of 14°C / 57°F for all installation areas.
 - Back of sheets to be cleaned prior to applying adhesive.
 - Adhesive should be applied with the recommended notched trowel applicable to the adhesive selected.
 - Apply firm even pressure with suitable roller to whole surface area of the panel as work proceeds, to ensure adequate adhesive transfer and good overall bond.
 - Use Altro double sided tape Ref A815 or A915 (for welded system) as support whilst adhesive cures.
- 641A ADHESIVE FIXING – BY ALTROFIX W139: Standard adhesive
- Use AltroFix W139 (Ref: A814) two-part polyurethane adhesive spread with a 5mm square notched trowel (Ref: A860).
 - On application immediately apply sheet to the wall.
 - Support the panel on double sided tape (Ref: A815 or A915 or welded system) whilst adhesive cures (approx. 3-5 hours - full cure 24 hours).

OR

- 641C ADHESIVE FIXING – BY ALTROFIX W157: **PORUS SURFACES ONLY**
- NB. This adhesive is only suitable for porous surfaces, for non-porous surfaces refer to AltroFix W139 or AltroFix W639 MS
- Apply AltroFix W157 (Ref: A818) water based synthetic polymer adhesive to the back of the sheet using a 3mm deep x 5mm wide square notched trowel (Ref: A860/4).
 - On application immediately apply sheet to the wall.
 - Support the panel on double sided tape (Ref: A815 or A915 or welded system) whilst adhesive cures. (can be 24hours and upwards)
- NB. On completion, the installation should not be subject to an increase in ambient temperature to more than 30°C until the adhesive is fully cured. Full cure will be dependent on porosity of substrate.

680 SEAM WELDING COVERINGS:

- Do not commence welding of coverings until a minimum of 24 hours after fitting or until adhesive has completely set.
- Use Altro double sided tape (Ref: A915) applied to the wall bridging the joint to be welded. Bring the edges of the sheets to be welded together leaving a 1.5mm - 2mm gap between sheets. Hot weld using hot air welding gun and Altro Whiterock welding rod. Clean off flush with sheet face to form a neat, smooth, strongly bonded joint. Recommended tool is Mozart trimming knife.
 - See Altro Whiterock detail drawing W9.

OR

740 EDGINGS/COVER STRIPS: ALTRO PVC JOINT STRIP

- All joints should be covered with high impact PVCu 'H' joint sections (Ref: A831 two-part joint trim, or G831 single part joint trim).
- Internal/external corners: Altro Whiterock to be thermoformed on-site as needed, so limiting the number of joints required.
- Vulnerable external corners are usually over-clad with stainless steel corner protectors, to a height of 1200mm.

740C EDGINGS/COVER STRIPS: ACCESSORIES

- High impact PVCu two-part start and edge trim (Ref: A833)
- High impact PVCu single part heavy duty start and edge trim (Ref: G833).

773 ABUTMENTS: GENERAL

- To window frame, door frames, architraves, ceiling & quarry tile - seal with Altro Whiterock silicone sealant (Ref: A802 white, or A806 coloured) 3-4mm width joint.
 - See Altro Whiterock detail drawings W1, W2 and WF3.

773A ABUTMENTS: TREATMENT TO SERVICE PREPARATIONS

- All holes to be cut to allow 3-4mm silicone seal around all penetrations. seal with Altro Whiterock silicone sealant (Ref: A802 white or A806 coloured).

773C ABUTMENTS: PVC FLOORING, SHOWER/WET AREAS

-
- Use Altro concealed wall/floor transition strip with overlap detail (Ref G835 / 25) mechanically fixed or bonded to the wall with adhesive (Ref Altro AP600).
 - Ask for relevant Altro Whiterock detail drawing

COMPLETION

810 CLEANING GENERALLY:

- Remove all scrap, dust and dirt. Carefully remove adhesive and other marks from coverings and adjacent surfaces, using approved cleaning agents and methods.
- When cleaning the Whiterock surface, the temperature should not exceed 60 degrees Centigrade.
- Do not use cleaning materials of an abrasive nature
 - Contact Altro for detailed cleaning instructions: Altro Limited, tel: +44(0)1462 707600, fax: +44 (0)1462 707515, email: enquiries@altro.com

821 FINISHING PVC WALL CLADDING:

- Protective film to be removed.
- When dry, apply antistatic solution to all surfaces (Ref: A809).

870 PROTECTION: If required, tape appropriate protective material to sheet ensuring compliance with surface spread of flame, as per Building Regulations.

880 WASTE RECYCLING: ALTRO RECOWALL™

- Clean, adhesive-free off-cuts to be removed from site and taken to an Altro Recowall collection points for recycling.
 - Contact Altro for further details of this scheme and the Recofloor flooring recycling scheme. Altro Limited, tel: +44(0)1462 707600, fax: +44 (0)1462 707515, email: enquiries@altro.com, website www.altro.com

BUSHBOARD WASHROOMS NBS SPECIFICATION

PROJECT: HARBOUR VIEW OFFICES

SPECIFIER: SMITH SIMMONS & PARTNERS

Prepared by: DAVID HARLEY

22 January 2025

N10 GENERAL FIXTURES / FURNISHINGS / EQUIPMENT

To be read with Preliminaries/General conditions.

145/01

COMBINATION WC BASIN UNITS

Manufacturer: Bushboard Washroom Systems, Unit 1400, 1st Floor
Montagu Court, Kettering Parkway, Kettering Venture Park, Kettering,
Northants, NN15 6XR, Tel: 01536 533620

www.bushboard-washrooms.co.uk

- Product Reference: **Combination WC Basin Unit (SRU) SGL**

Ezeevanity Frame

Material: 13mm thick solid grade laminate.

Underpanels:

- Material: 13mm thick solid grade laminate.
- Finish / Colour: Refer to Bushboard standard colour range.
- Edges: Polished black radiused edges.

Worktops:

- Material: 13mm thick solid grade laminate.
- Finish / Colour: Refer to Bushboard standard colour range.
- Exposed Edges: Polished black radiused edges.

Description

- Complete factory assembled "ezeevanity" frame comprising of a 1-piece frame with pre-fixed SGL panels over factory formed cut-outs. Panels hung on push-fit clips and comes with a 2 piece worktop.

K32 PANEL CUBICLES

To be read with Preliminaries/General conditions.

120/01

PANEL CUBICLES

Manufacturer: Bushboard Washroom Systems, Unit 1400, 1st Floor
Montagu Court, Kettering Parkway, Kettering Venture Park, Kettering,
Northants, NN15 6XR, Tel: 01536 533620

www.bushboard-washrooms.co.uk

- Product Reference: **Profiles SGL (BESPOKE HEIGHT 1800)**

Frame: Robust 13mm thick pilasters.

- Finish: Solid grade laminate.
- Colour: Refer to Bushboard standard colour range.

Panels / Doors / Partitions:

- Overall Height: Bespoke Heights
- Floor Clearance: 100mm to Doors and partitions.
- Core Material: 13mm Solid Grade Laminate
- Finish: Decorative facing to both sides
- Edge Treatment: Polished black radiused edges
- Colour: Refer to Bushboard standard colour range.

Ironmongery / Accessories:

- Legs: Satin anodised aluminium pedestal leg with ABS moulded shroud
- Headrail: Satin anodised head with ABS end caps in Light Grey.
- Indicator Bolt: ABS lock body with nylon slider and soft feel door buffer knob in Light Grey.
- ABS lock faceplate with external emergency release function.
- Hinges / Channels: Satin anodised anti-finger-trap hinges and wall channels in Light Grey

Other Requirements:

- Classic shaped pilasters.