



Comhairle Contae Mhaigh Eo
Mayo County Council



A: Áras an Chontae, Caisleán an Bharraigh
Chontae Mhaigh Eo, F23 WF90

T: 094 906 4000 **F:** 094 902 3937

W: www.mayo.ie

Regeneration of the Sisters of Mercy Convent Site and Adjacent Lands

New Public Library, Civic Office and Community Buildings

Co. Mayo

**F211-IS-XX-SP-A-D2-009 Appendix D
Ironmongery Schedule and Access Control**

**Appendix to Main Architects Specification
F211-AS-XX-SP-A-D2-005**

Tender Issue

Issue:	Date:	Notes:	Prepared:	Checked:
F211-IS-XX-SP-A-009 Appendix D	20.05.2024	Tender Issue	PK	SW

Ironmongery Schedule to Main Specification (005) cross references:

- Ss_25_38_20_20 Door hardware systems
 - Pr_30_36_59_25 Door lever handle sets
 - Pr_30_36_59_64 Pull handles
 - Ss_25_30_20_25 Doorset Systems (32) Internal doors.
 - Ss_25_30_20_22 Door Assembly Systems and Façade Performance Specification.
 - Pr_30_59_23_03 Aluminium Door Leaves
 - Pr_30_59_23/630 Installing Hardware
 - Ss_25_30_20/655 Fixing hardware
 - Ss_25_30_20/670 Positioning of hardware to glass doors
 - Ss_25_30_20/675 Installation of emergency and panic exit devices
 - Ss_25_38_20/610 Installing door hardware
 - Ss_25_38_20_20 Door hardware systems (32)-INTERNAL DOOR IRONMONGERY
 - 45-25-42/340 Door hinges
 - Pr_30_36_08_26 Door privacy indicator bolts
 - Pr_30_36_08_77 Single point bolts
 - Pr_30_36_33_27 Escutcheons
 - Pr_30_36_33_45 Kick plates
 - Pr_30_36_33_68 Push plates
 - Pr_30_36_36_29 Floor springs
 - Pr_30_36_59_15 Controlled door closers
 - Pr_30_36_59_24 Door limiting stays
 - Pr_30_36_59_25 Door lever handle sets
 - Pr_30_36_59_64 Pull handles
-

Description (SGL-PUSH / PULL + CLSR-FD30S)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN3-6 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304		1	Each
SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304		1	Each
100mm x 30mm x 1mm Graphite Intumescent Hinge Stripe		6	Each
Door Reference	Location	Description	
(32)103	Ground floor, Lib. Stairwell 01	Restored existing door to FD30s, painted	
(32)104	Ground floor, Lib. Stairwell 01	Restored existing door to FD30s, painted	
(32)207	First floor, stairwell 02 to w.c lobby	Restored existing door to FD30s, painted	
(DG)103	Ground floor, Lib. Stairwell 02	Door and screen painted, FD30s, 37dB	

Description (SGL-PUSH / PULL + CLSR – FD30S)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304		1	Each
SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
100mm x 30mm x 1mm Graphite Intumescent Hinge Stripe		6	Each
Door Reference	Location	Description	
(DG)107	Ground floor, Oval enclosed curved stairs	Oak door, FD30s, 37dB	
(DG)128	Ground floor, CO / Escape stairs lobby	Oak door, FD30s, 35dB	
(DLG)01	Lower ground floor, Oval curved stairs	Oak door, FD30s, 37dB	

Description (SGL-LVR+ CLSR – FD30S + ACCESS CONTROL to EN179)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN3-6 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304		1	Each
SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
100mm x 30mm x 1mm Graphite Intumescent Hinge Stripe		6	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		1	Each
SSS Euro Profile DIN Standard Mortice Motorised Solenoid electronic lock with handle controlled lock capable of being changed between fail – unlocked & fail locked with exit function by inside handle, controlled outside handle, mechanical override with cylinder. Input operating voltage shall be 12-24VDV.		1	Each
Euro Profile DIN Novel Single Cylinder		1	Each
SSS Lever handle set (18 / 19mm dia.) designed for use with system electric lock and approved for use on fire doors to EN 1634-1		1	set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon Rose – to suit door and Access Control cylinder		1	Each
SSS Escutcheon blank cover plate		1	Each
Concealed door loop (cable transfer frame to door), steel housing, rebated into frame for max door opening of 120degrees.		1	Each
Multiformat Proximity Entry Reader capable of reading ACT 125KHz RID cards and fobs		1	Each
All access control equipment must be certified as tested together. All equipment shall be fully morticed, integrated and factory fitted.			
Door Reference	Location	Description	
(32)201	First floor, stairwell 01	Restored existing door to FD30s, painted	
(32)202	First floor, stairwell 01	Restored existing door to FD30s, painted	
(32)206	First floor, stairwell 02	Restored existing door to FD30s, painted	
(32)205	First floor, stairwell 02	Restored existing door to FD30s, painted	
(DG)102	Ground floor, Lib. Staff / Tea Station	Oak door, 37dB	

Description (SGL-PUSH / PULL, LVR + CLSR – FD30S + ACCESS CONTROL to EN179)			Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors. Category use grade 3, 200,000 cycles, Fire – grade 1.			1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.			1	Each
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304			1	Each
SSS 76mm Dia "Fire Door Keep Shut" Symbol			2	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304			1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304 (Size TBC)			2	Each
100mm x 30mm x 1mm Graphite Intumescent Hinge Stripe			6	Each
SSS Euro Profile DIN Standard Mortice Motorised Solenoid electronic lock with handle controlled lock capable of being changed between fail – unlocked & fail locked with exit function by inside handle, controlled outside handle, mechanical override with cylinder. Input operating voltage shall be 12-24VDV.			1	Each
Euro Profile DIN Novel Single Cylinder			1	Each
SSS Lever handle set (18 / 19mm dia.) designed for use with system electric lock and approved for use on fire doors to EN 1634-1			1	set
SSS Escutcheon blank cover plate			1	Each
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon Rose – to suit door and Access Control cylinder			1	Each
Concealed door loop (cable transfer frame to door), steel housing, rebated into frame for max door opening of 120degrees.			1	Each
Multiformat Proximity Entry Reader capable of reading ACT 125KHz RID cards and fobs			1	Each
All access control equipment must be certified as tested together. All equipment shall be fully morticed, integrated and factory fitted.				
Door Reference	Location	Description		
(DG)121	Ground Floor, CO/ foot of stairwell	Oak door, FD30s, 35dB		
(DLG)04	Lower Ground Floor, store / basement	Oak door, FD30s, 37dB		

Description (SGL-PUSH / PULL + CLSR – FD30S + FLR / SPRNG)			Qty	Unit
Floor spring power rating 6 to 7 (door 1600mm wide x 2400)			1	Each
SSS EN3-6 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm.			1	Each
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304			1	Each
SSS 76mm Dia "Fire Door Keep Shut" Symbol			2	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304			1	Each
SSS 1200mm x 150mm x 1.2mm Kicking Plate - Grade 304			2	Each
100mm x 30mm x 1mm Graphite Intumescent Hinge Stripe			6	Each
Door Reference	Location	Description		
(DG)101	Ground floor, Oval / Lib.	Oak door, FD30s, 37dB		

Description (SGL-PUSH / PULL + Lever + CLSR + ACCESS CONTROL)			Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.			1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.			1	Each
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304			1	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304			1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304 (Size TBC)			2	Each
100mm x 30mm x 1mm Graphite Intumescent Hinge Stripe			6	Each
SSS Euro Profile DIN Standard Mortice Motorised Solenoid electronic lock with handle controlled lock capable of being changed between fail – unlocked & fail locked with exit function by inside handle, controlled outside handle, mechanical override with cylinder. Input operating voltage shall be 12-24VDV.			1	Each
Euro Profile DIN Novel Single Cylinder			1	Each
SSS Lever handle set (18 / 19mm dia.) designed for use with system electric lock and approved for use on fire doors to EN 1634-1			1	set
SSS Escutcheon blank cover plate			1	Each
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon Rose – to suit door and Access Control cylinder			1	Each
Concealed door loop (cable transfer frame to door), steel housing, rebated into frame for max door opening of 120degrees.			1	Each
Multiformat Proximity Entry Reader capable of reading ACT 125KHz RID cards and fobs			1	Each
All access control equipment must be certified as tested together. All equipment shall be fully morticed, integrated and factory fitted.				
Door Reference	Location	Description		
(DF)204	First floor, Lib. Staff Room	Oak door, 37dB		
(DG)132	Ground floor, CO / Meeting room	Oak door, 35dB		
(DG)133	Ground floor, CO / Meeting room	Oak door, 35dB		

Description (SGL-Lever LCK + CLSR)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door 34mm to 45mm thick.		1	Pair
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
Door Reference	Location	Description	
(DF)202	First floor, Lib. Sensory Room	Oak door, 37dB	
(DG)010	Ground Floor, MA1, Dry goods store	Painted, Fd30s, 35dB	
(DG)011	Ground Floor, MA1, Freezer room	Painted, Fd30s, 35dB	
(DG)012	Ground Floor, MA1, Changing Room	Painted, Fd30s, 35dB	
(DG)108	Ground Floor, Lib. reception	Oak, 35dB	
(DG)109	Ground Floor, Lib. reception	Oak, 35dB	
(DG)124	Ground Floor, CO / Comm's room	Painted, Fd30s, 35dB	
(DG)125	Ground Floor, CO / Office 04	Painted, 35dB	
(DG)127	Ground Floor, CO / Safe room	Painted, 35dB, Fd30s	
(DLG)06	Ground Floor, Lib. plant room / basement	Painted, Fd60s, 35dB	

Description (SGL-Lever ACC WC + CLSR)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
Sss 600mm X 35mm Dia. Accessible grabrail		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3		1	Set
SSS Grade 304 Accessible Bathroom Large Turn & Release on 52mm x 4mm with Concealed Rose with 38mm Centres Bolt Through fixings – to suit door 34mm to 45mm thick.		1	Set
SSS 76mm dia. 'W.C.' symbol		1	Each
SSS 76mm dia. 'Accessible' symbol		1	Each
Door Reference	Location	Description	
(DF)005	First floor, MA1, Landing W.C	Painted, 35dB	
(DF)205	First Floor, Lib. Annex W.C	Oak, 37dB	
(DF)211	First floor, link W.C	Oak, 35dB	
(DG)015	Ground Floor, MA1, Staff w.c	Painted, Fd30s, 35dB	
(DG)022	Ground Floor, MA2 w.c.	Painted, Fd30s, 35dB	
(DG)027	Ground Floor, Glass House w.c	Painted, Fd30s, 35dB	
(DG)116	Ground Floor, Link w.c	Oak, 35dB	
(DLG)02	Lower Ground Floor, Oval w.c	Oak, 37dB	
(DLG)03	Lower Ground Floor, Oval w.c	Oak, 37dB	
(DS)301	Second Floor, CO/ w.c.	Oak, 35dB	

Description (SGL-Lever LCK + CLSR – FD30S)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
18" SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door 34mm to 45mm thick.		1	Pair
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
1mm Graphite Universal Din Lock Intumescent Kit		1	Each
Door Reference	Location	Description	
(DLG)05	Lower Ground Floor, Comm's room	Painted, Fd30s, 35dB	
(DLG)07	Lower Ground Floor, Basement store	Painted, Fd30s, 35dB	

Description (SGL-PUSH / PULL + CLSR)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304		1	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
Door Reference	Location	Description	
(DF)201	First Floor, Lib. Creative Tech.	Glazed Oak door, 37dB	
(DF)203	First Floor, Lib. Creative Tech.	Glazed Oak door, 37dB	
(DG)126	Ground floor, CO /Lobby to safe room	Oak door, FD30s, 35dB	

Description (Leaf+half, Push / Pull with Lock + CLSR – FD30S)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304		1	Each
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door 34mm to 45mm thick.		1	Pair
SSS 200mm x 19mm Heavy Duty Flush Bolt - Fire Rated - BS EN 12051: 1999		2	Each
SSS Dust Excluding Socket		1	Each
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304 (Size TBC)		2	Each
450mm x 150mm x 1.2mm SSS Kicking Plate - Grade 304		2	Each
100mm x 30mm x 1mm Graphite Intumescent Hinge Stripe		12	Each
1mm Graphite Universal Din Lock Intumescent Kit		1	Each
Graphite Universal Flush Bolt 150mm/200mm Lock Intumescent Kit - FD30		2	Each
Door Reference	Location	Description	
(DF)208	First Floor, Link door to meeting room	Oak door, Fd30s, 37dB	
(DF)212	First Floor, CO / Door to open-plan office	Oak door, Fd30s, 35dB	
(DG)122	Ground Floor, CO / Door to open-plan office	Oak door, Fd30s, 35dB	
(DS)302	Second Floor, CO / Door to open-plan office	Oak door, Fd30s, 35dB	

Description (Leaf+half, Push / Pull with LVR + CLSR – FD30S + ACCESS CNTRL – EN179)			Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.			1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.			1	Each
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304			1	Each
SSS 200mm x 19mm Heavy Duty Flush Bolt - Fire Rated - BS EN 12051: 1999			2	Each
SSS Dust Excluding Socket			1	Each
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol			2	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304			1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304			2	Each
450mm x 150mm x 1.2mm SSS Kicking Plate - Grade 304			2	Each
100mm x 30mm x 1mm Graphite Intumescent Hinge Stripe			12	Each
Graphite Universal Flush Bolt 150mm/200mm Lock Intumescent Kit - FD30			2	Each
SSS Euro Profile DIN Standard Mortice Motorised Solenoid electronic lock with handle controlled lock capable of being changed between fail – unlocked & fail locked with exit function by inside handle, controlled outside handle, mechanical override with cylinder. Input operating voltage shall be 12-24VDV.			1	Each
Euro Profile DIN Novel Single Cylinder			1	Each
SSS Lever handle set (18 / 19mm dia.) designed for use with system electric lock and approved for use on fire doors to EN 1634-1			1	set
SSS Escutcheon blank cover plate			1	Each
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon Rose – to suit door and Access Control cylinder			1	Each
Concealed door loop (cable transfer frame to door), steel housing, rebated into frame for max door opening of 120degrees.			1	Each
Multiformat Proximity Entry Reader capable of reading ACT 125KHz RID cards and fobs			1	Each
All access control equipment must be certified as tested together. All equipment shall be fully morticed, integrated and factory fitted.				
Door Reference	Location	Description		
(DF)209	First Floor, Link / Stairwell	Oak door, Fd30s, 35dB		
(DG)113	Ground Floor, Link / Stairwell	Oak door, Fd30s, 35dB		
(DG)106	Ground Floor, Lib. / CO Link	Oak door, Fd30s, 37dB		

Description (SGL-D/LCK + PULL)			Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.			1.5	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.			1	Each
SNP 45mm Semi-Restricted Euro Profile Cylinder UMK			1	Each
SSS Euro Profile Cylinder Pull			1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304			2	Each
Door Reference	Location	Description		
(DG)112	Ground Floor, Oval / service shaft	Oak, Fd60s, 35dB		
(DG)134	Ground Floor, Link Corridor	Painted, Fd30s, 35dB		

Description (SGL-Leaf + Half – PUSH / PULL + Lever + CLSR- FD30S)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge – Radius – EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		3	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		2	Each
SSS 600mm c/c x 22mm “D” Pull Handle – Bolt Fix – Grade 304		2	Each
SSS 650mm x 75mm x 1.2mm Finger Plate – Grade 304		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate – Grade 304		2	Each
100mm x 30mm x 1mm Graphite Intumescent Hinge Stripe		12	Each
450 x 150mm x 1.2mm SSS Kicking plate – Grade 304		2	Each
Fire rated doors only – SSS 76mm Dia “Fire Door Keep Shut” Symbol		4	Each
Door Reference	Location	Description	
(DS)307	Second Floor, CO/ Canteen	Oak door, 35dB	

Description (SGL – PUSH / PULL c/w D-LCK + CLSR – FD30S)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304		1	Each
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door 34mm to 45mm thick.		1	Pair
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
100mm x 30mm x 1mm Graphite Intumescent Hinge Stripe		6	Each
1mm Graphite Universal Din Lock Intumescent Kit		1	Each
Door Reference	Location	Description	
(DF)215	First Floor, CO / Fire Escape Stairs	Oak door, Fd30s, 35dB	
(DG)129	Ground Floor, CO / Fire Escape Stairs	Oak door, Fd30s, 35dB	
(DS)308	Second Floor, CO / Fire Escape Stairs	Oak door, Fd30s, 35dB	

Description (SGL-Lever LCK + CLSR)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 4		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door 34mm to 45mm thick.		1	Pair
Door Reference	Location	Description	
(DF)214	First Floor, Office 08	No fire Rating	
(DF)218	First Floor, CO / Office 08	Aluminium Glazed Screen	

Description (Glazed partition system)		Qty	Unit
Proprietary Curtain Wall or Aluminium Slim 30mm single glazed office partition system – ironmongery supplied as part of proprietary installation. Ironmongery proposals to be submitted for approval.			
Door Reference	Location	Description	
(DF)216	First floor, CO / Office 07	Slim Alu. Partition	
(DF)217	First floor, CO / Office 06	Slim Alu. Partition	
(DG)104	Ground Floor, Lib. Meeting room	Slim Alu. Partition	
(DG)105	Ground Floor, Lib. Office 01	Slim Alu. Partition	
(DG)120	Ground Floor, CO / Entrance lobby	Curtain wall / FD60S	
(DG)130	Ground Floor, CO / Office 03	Slim Alu. Partition	
(DG)131	Ground Floor, CO / Office 02	Slim Alu. Partition	
(DS)304	Second Floor, CO / Office 09	Slim Alu. Partition	
(DS)305	Second Floor, CO / Office 10	Slim Alu. Partition	

Description (DBL D/Lock + Pull – FD60S)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 45mm Semi-Restricted Euro Profile Cylinder UMK		1	Each
SSS 200mm x 19mm Heavy Duty Flush Bolt - Fire Rated - BS EN 12051: 1999		2	Each
SSS Dust Excluding Socket		1	Each
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
SSS Euro Profile Cylinder Pull		1	Each
100mm x 30mm x 2mm Graphite Intumescent Hinge Stripe – FD60		12	Each
Graphite Universal Din Lock Intumescent Kit – FD60		1	Each
Graphite Universal Flush Bolt 150mm/200mm Lock Intumescent Kit – FD60		2	Each
Door Reference	Location	Description	
(DF)213	First Floor, CO / Service shaft / riser	Painted, Fd60s, 35dB	
(DG)030	Ground floor, MA1 / Service shaft – dining room	Painted, Fd60s, 35dB	
(DG)031	First floor, MA1 / Service shaft – office lobby	Painted, Fd60s, 35dB	
(DG)123	Ground Floor, CO / Service shaft / riser	Painted, Fd60s, 35dB	
(DS)309	Second Floor, CO / Service shaft / riser	Painted, Fd60s, 35dB	

Description (SGL-Lever LCK + CLSR – FD30S)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door 34mm to 45mm thick.		1	Pair
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304 (Size TBC)		2	Each
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
1mm Graphite Universal Din Lock Intumescent Kit		1	Each
Door Reference	Location	Description	
(DS)303	Second Floor, CO/ Plant room	Oak, FD60S, 35dB	
(DS)306	Second Floor, CO/ File Storage	Oak, 35dB	

Description (SGL-Lever WC + CLSR)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3		1	Set
SSS Grade 304 Bathroom Large Turn & Release on 52mm x 4mm with Concealed Rose with 38mm Centres Bolt Through fixings – to suit door 34mm to 45mm thick.		1	Set
SSS 76mm dia. 'W.C.' symbol		1	Each
Door Reference	Location	Description	
(DF)210	First floor, CO / Link – w.c	Painted, 35dB	
(DG)006	Ground Floor, MA1, W.C.	Painted, Fd30s, 35dB	
(DG)025	Community Building, KS / Dis. WC	Painted, 35dB	
(DG)114	Ground Floor, CO / Link,W.C	Oak, 35dB	
(DG)115	Ground Floor, CO / Link,W.C	Oak, 35dB	
(DG)007	Ground Floor, MA1 / Disabled w.c	Painted, 35dB	

Description (SGL-PUSH / PULL + CLSR)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1.5	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
Randi Line "Line 18" SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door 34mm to 45mm thick.		1	Pair
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304		1	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304		1	Each
Door Reference	Location	Description	
(DG)002	Ground Floor, MA1 / Dining Room	Glazed, painted, FD60S, 35dB	
(DG)005	Ground Floor, MA1 / To WC Block	Glazed, painted, FD60S, 35dB	
(DG)008	Ground Floor, MA1 / Kitchen	Glazed, painted, FD60S, 35dB	

Description (SGL-PUSH / PULL + CLSR)		Qty	Unit
Hinges by door supplier		1	Each
Doors opening out: SSS telescopic door limit stay (door brake) with adjustable cushioning effect with max. door opening angle of 125degrees suitable for doors 1200mm wide and at least 100kg. Category use grade 3, 200,000 cycles.		1	Each
SSS Multipoint Mortice Sashlock by supplier - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3 by supplier.		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door and by supplier		1	Pair
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304 by supplier		1	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304 (internally)		1	Each
Door Reference	Location	Description	
(DG)001	Ground Floor, MA1 / Main entrance door	Glazed Accoya to spec. & schedule.	
(DG)004	Ground Floor, MA1 / Courtyard door	Glazed Accoya to spec. & schedule.	

Description (SGL-Lever LCK + CLSR)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door 34mm to 45mm thick.		1	Pair
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
1mm Graphite Universal Din Lock Intumescent Kit – for FD30S		1	Each
Graphite Universal Din Lock Intumescent Kit – for FD60S		1	Each
Door Reference	Location	Description	
(DG)016	Ground floor, MA1 / Staff canteen	Glazed, painted, FD30S, 35db	

Description (SGL-Lever LCK + CLSR)		Qty	Unit
Hinges by door supplier		1	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209 by supplier. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3 by supplier.		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door and by supplier.		1	Pair
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
1mm Graphite Universal Din Lock Intumescent Kit – for FD30S		1	Each
Graphite Universal Din Lock Intumescent Kit – for FD60S		1	Each
Door Reference	Location	Description	
(DF)002	First floor, MA1 / Screen to office 03	Alu, slim proprietary screen system.	
(DF)003	First floor, MA1 / Screen to office 04	Alu, slim proprietary screen system.	
(DG)003	Ground floor, MA1 / Screen to office 02	Alu, proprietary screen system, FD60S	

Description (SGL-Lever LCK + CLSR)		Qty	Unit
Hinges by door supplier		1	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Multipoint Mortice Sashlock by supplier - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3 by supplier.		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door and by supplier		1	Pair
SSS 900mm x 150mm x 1.2mm Kicking Plate - Grade 304		2	Each
Door Reference	Location	Description	
(DG)018	Ground floor, MA2 / Plant room	Accoya Painted with glazed fanlight	
(DG)019	Ground floor, MA2 / Store, ext.door	Accoya Painted with glazed fanlight	
(DG)021	Ground floor, MA2 / Store, ext.door	Accoya Painted	
(DG)024	Ground floor, MA3 / KS / Ext.door	Accoya Painted with glazed fanlight	

Description (SGL-PUSH / PULL + CLSR)		Qty	Unit
Hinges by door supplier		1	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Multipoint Mortice Sashlock by supplier - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3 by supplier.		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door and by supplier		1	Pair
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304		1	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304 (internally)		1	Each
Door Reference	Location	Description	
(DG)014	Ground Floor, MA1 / Staff entrance lobby	Glazed Accoya to spec. & schedule.	

Description (DBL D/Lock + Pull – FD60S)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		3	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209 by supplier. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 45mm Semi-Restricted Euro Profile Cylinder UMK		1	Each
SSS 200mm x 19mm Heavy Duty Flush Bolt - Fire Rated - BS EN 12051: 1999		2	Each
SSS Dust Excluding Socket		1	Each
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
SSS Euro Profile Cylinder Pull		1	Each
100mm x 30mm x 2mm Graphite Intumescent Hinge Stripe – FD60S		6	Each
Graphite Universal Din Lock Intumescent Kit – FD60S		1	Each
Graphite Universal Flush Bolt 150mm/200mm Lock Intumescent Kit – FD60S		2	Each
Door Reference	Location	Description	
(DG)213	Ground Floor, MA1 / Service riser	Painted, Fd60s, 35dB	

Description (DBL D/Lock + Pull – FD60S)		Qty	Unit
SSS 102mm 76mm x 3mm Grade 304 Concealed Ball Bearing Butt Hinge - Radius - EN1935: Grade 14, EN1634-1 2hr Timber Doors with 25 Year Warranty. Category use grade 3, 200,000 cycles, Fire – grade 1.		3	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209 by supplier. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 45mm Semi-Restricted Euro Profile Cylinder UMK		1	Each
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
SSS Euro Profile Cylinder Pull		1	Each
100mm x 30mm x 2mm Graphite Intumescent Hinge Stripe – FD60S		6	Each
Graphite Universal Din Lock Intumescent Kit – FD60S		1	Each
Door Reference	Location	Description	
(DF)007	First Floor, MA1 / Service Shaft	Painted, Fd60s, 35dB	
(DF)008	First Floor, MA1 / Service Shaft	Painted, Fd60s, 35dB	

Description (SGL-Lever LCK + CLSR)		Qty	Unit
Hinges by door supplier		1	Each
Doors opening in: SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
Doors opening out: SSS telescopic door limit stay (door brake) with adjustable cushioning effect with max. door opening angle of 125degrees suitable for doors 1200mm wide and at least 100kg. Category use grade 3, 200,000 cycles.		1	Each
SSS Multipoint Mortice Sashlock by supplier - EN 12209, Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3 by supplier.		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door and by supplier		1	Pair
Door Reference	Location	Description	
(DG)009	Ground floor, MA1 / Ext. door to kitchen	Accoya Glazed Painted	
(DG)020	Ground floor, MA2 / Ext. door	Accoya Glazed Painted	
(DG)023	Ground floor, MA2 / Ext. door	Accoya Glazed Painted	
(DG)026	Ground floor, Glass house / Ext. door	Accoya Painted	
(DG)028	Ground floor, Glass house / Int. door	Accoya Painted	

Description (DBL D/Lock + Pull) Bin Store		Qty	Unit
Hinges by door supplier		5	Each
SSS Multipoint Mortice Sashlock by supplier - EN 12209 by supplier. Category use grade 3, 200,000 cycles, Corrosion grade 4		1	Each
SNP 45mm Semi-Restricted Euro Profile Cylinder UMK		1	Each
SSS 200mm x 19mm Heavy Duty Flush Bolt - Fire Rated - BS EN 12051: 1999		2	Each
SSS Dust Excluding Socket		1	Each
Door Reference	Location	Description	
(DG)017	Ground floor, MA1 / Bin store	Painted timber slats on metal frame	

Description (SGL-PUSH / PULL + CLSR)		Qty	Unit
Hinges by door supplier		1	Each
SSS EN2-5 Adjustable Power Overhead Surface Mounted Cam Action Door Closer c/w adjustable backcheck with cushion stop & semi-radius cover / matching arm. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SSS Euro Profile DIN Standard Mortice Sashlock c/w Anti Rattle Strike Plate - 55mm Backset - Radius - EN 12209 by supplier. Category use grade 3, 200,000 cycles, Fire – grade 1.		1	Each
SNP 70mm Semi-Restricted Euro Profile Cylinder & Turn -UMK - EN 1303:2005		1	Each
SSS Grade 304 18mm Dia. Safety Return Lever on Round Concealed Fixing Rose with 38mm Fixing Centres - to Suit Door 40-65 mm Thick - EN1906 Grade 3 by supplier.		1	Set
SSS Grade 304 Cover Euro Profile Concealed Fixing Escutcheon on 52mm x 4mm Rose with 38mm Centres Bolt Through Fixings – to suit door and by supplier.		1	Pair
SSS 600mm c/c x 22mm "D" Pull Handle - Bolt Fix - Grade 304		1	Each
SSS 650mm x 75mm x 1.2mm Finger Plate - Grade 304		1	Each
Fire rated doors only - SSS 76mm Dia "Fire Door Keep Shut" Symbol		2	Each
Graphite Universal Din Lock Intumescent Kit – for FD60S		1	Each
Door Reference	Location	Description	
(DF)001	First Floor, MA1 / Landing	Alu, proprietary screen system, FD60S	
(DF)006	First Floor, MA1 / Landing	Alu, proprietary screen system, FD60S	

Description (SGL-Lever LCK + CLSR) External doors / Access Control to EN1125		Qty	Unit
Hinges by door supplier		1	Each
SSS telescopic door limit stay (door brake) with adjustable cushioning effect with max. door opening angle of 125degrees suitable for doors 1200mm wide and at least 100kg. Category use grade 3, 200,000 cycles.		1	Each
SS Panic Bar compatible with DIN electronic lock cases, tested and certified to EN1125 to suit door thickness and width.		1	Each
Lever / panic bar operated single spindle multipoint lock system with a Euro profile lock case, 92mm centres and a 16mm wide flat faceplate. The unit must incorporate a keywind operation and will lock automatically when the door is closed.		1	Each
Euro Profile DIN Novel Single Cylinder		1	Each
SS Concealed Fixing Escutcheon on 56mm x 10mm blank cover plate		1	Each
Concealed door loop (cable transfer frame to door), steel housing, rebated into frame for max door opening of 120degrees.		1	Each
Multiformat Proximity Entry Reader capable of reading ACT 125KHz RID cards and fobs		1	Each
SS 32mm dia. T-Shaped pull handle 600mm with blank cover plate internally.		1	Each
All access control equipment must be certified as tested together. All equipment shall be fully morticed, integrated and factory fitted.			
Door Reference	Location	Description	
EDG01	Ground floor, Stairwell 02 / Exit door	Accoya Glazed Painted	
(32)103	Ground floor, Stairwell 01 / Exit door	Accoya Glazed Painted	
(32)105	Ground floor, Stairwell 01 / Exit door	Accoya Glazed Painted	

Description (SGL-Push / Pull + Stay) Ext. Aluminium doors / Access Control to EN1125		Qty	Unit
Hinges by door supplier		1	Each
SSS telescopic door limit stay (door brake) with adjustable cushioning effect with max. door opening angle of 125degrees suitable for doors 1200mm wide and at least 100kg. Category use grade 3, 200,000 cycles.		1	Each
SS Panic Bar compatible with DIN electronic lock cases, tested and certified to EN1125 to suit door thickness and width.		1	Each
Panic bar operated (internally) DIN Standard Mortice Narrow Profile Motorised Solenoid electronic lock capable of being changed between fail – unlocked & fail locked with exit function by inside panic bar, and outside engaged electrically by electric access control. Burglary resistant with 20mm throw with strike plate to suit. Input operating voltage shall be 12-24VDV.		1	Each
Euro Profile DIN Novel Single Cylinder		1	Each
SS Concealed Fixing Escutcheon on 56mm x 10mm blank cover plate		1	Each
Concealed door loop (cable transfer frame to door), steel housing, rebated into frame for door opening of 120 degrees.		1	Each
Multiformat Proximity Entry Reader capable of reading ACT 125KHz RID cards and fobs		1	Each
SS 32mm dia. T-Shaped pull handle 600mm with blank cover plate internally.		1	Each
All access control equipment must be certified as tested together. All equipment shall be fully morticed, integrated and factory fitted.			
Door Reference	Location	Description	
(DG)117	Ground floor, Link – staff entrance / exit	Aluminum, curtain wall system	
(DG)118	Ground floor, Link – staff entrance / exit	Aluminum, curtain wall system	
(DG)110	Ground floor, Oval exit onto terrace	Aluminum, curtain wall system	
(DG)111	Ground floor, Oval exit onto terrace	Aluminum, curtain wall system	

Description (SGL-Push / Pull + Stay) External Aluminium doors / Exit only / Manual		Qty	Unit
Hinges by door supplier		1	Each
SSS telescopic door limit stay (door brake) with adjustable cushioning effect with max. door opening angle of 125degrees suitable for doors 1200mm wide and at least 100kg. Category use grade 3, 200,000 cycles.		1	Each
SS Panic Bar to suit door thickness and width		1	Each
Panic bar operated (internally) DIN Standard Mortice Narrow Profile lock with exit function by inside panic bar. Burglary resistant with 20mm throw with strike plate to suit.		1	Each
Euro Profile DIN Novel Single Cylinder		1	Each
SS Concealed Fixing Escutcheon on 56mm x 10mm blank cover plate		1	Each
All equipment shall be fully morticed, integrated and factory fitted			
Door Reference	Location	Description	
(OVCW)01	Lower Ground floor, Oval emergency exits X 2	Aluminum, curtain wall system	
(OVCW)01	Lower Ground floor, Oval emergency exit	Aluminum, curtain wall system	
(DG)135	Ground floor, Oval exit	Aluminum, composite	

All locks to doorsets shall be 'Under Master key' – Provide 3 no. keys per cylinder stamped with suite or sub-site reference and tagged with door reference number. A Master Key shall be provided for a) The Library, b) Civic Office, c) Community Buildings.

Examples



Fire Resisting Doorsets:

FD30S - Fire resisting doorset to have not less than 30 minutes integrity rating in accordance with BS476: Part: 8/20-22 or E30 rating when tested in accordance with the relevant European standard. The doorset to be fitted with cold smoke seals achieving a leakage rate not exceeding 3m²/m/hour (head and jambs) when tested at 25Pa under BS 476 : Section 31.1 or achieve an Sa classification when tested to I.S. EN 1634-3:2004. Doorset to be fitted with an automatic self closing the door which is capable of closing the door from any angle and against any latch fitted to the door.

FD60S - Fire resisting doorset to have not less than 60 minutes integrity rating in accordance with BS476: Part: 8/20-22 or E60 rating when tested in accordance with the relevant European standard. The doorset to be fitted with cold smoke seals achieving a leakage rate not exceeding 3m²/m/hour (head and jambs) when tested at 25Pa under BS 476 : Section 31.1 or achieve an Sa classification when tested to I.S. EN 1634-3:2004. Doorset to be fitted with an automatic self closing door which is capable of closing the door from any angle and against any latch fitted to the door.

Fire Door Assemblies

Lock and latch furniture for use on fire/smoke doors requires a set of lock and latch furniture to comply with appropriate requirements of the European standard. Furniture should be incorporated in a door assembly that has satisfied the criteria of a fire test according to BS EN 1634-1.

Fire resistance grades:

- grade 0: not approved for use on fire/smoke door assemblies
- grade 1: suitable for use on fire/smoke door assemblies.

Note: A Grade 1 classification means only that the furniture has been designed for use on fire/smoke control doors; the actual fire performance achieved (e.g. fire integrity of 30m, 60 minutes etc.) must be confirmed in a separate fire test report.

Cross Ref: Ss_25_30)20_25 Doorset Systems (32) Internal doors.

Fire – Main / repeater panels.

On activation of the AFDS shall be programmed to activate the following:

- a) Doors held open on Electro-Magnetic latches shall be released automatically.
- b) Lifts to return to final exit level
- c) Automatic doors on escape routes to open and remain open
- d) All electric locks on doors on escape routes are to release
- e) Vents at top of stairs are to open
- f) Re-circulating HVAC systems are to shut down.

Automatic Sliding Doors

Door installation is to comply with BS 7036-0:2014 & EN 16005:2012. On activation of the AFDS system the doors are to open and remain open (during occupied hours).

The door is to be provided with a monitored fail-safe system (e.g. battery back up system with power output monitored such that in the event that the battery power falls below a level sufficient to open the door, the door opens and remains open) for opening the door if the mains power supply fails.

The doors are to incorporate a break out feature whereby the door leaves slide into the open position when pressure is exerted from the accommodation side.

This door will be controlled as part of the MOL functionality.

Fire Safety Signs

Fire Safety Signs shall be provided to indicate positions of all Fire Fighting equipment, fire alarm call points in accordance with the recommendations of BS 5499 -10:2014. In addition to the above, Fire Safety Signs are to be provided in accordance with Section 1.4.13 of Technical Guidance Document “B” Fire Safety 2006. All fire safety signs including Exit signs and markings shall comply with Chapter 1 of Part 7 of Statutory Instrument No. 299 of 2007 “Safety Signs at Places of Work”, as amended by the Safety, Health and Welfare at Work (General Application) (Amendment) Regulations 2007 (S.I. No. 732 of 2007) relating to safety signs at places of work. Intermediate signs shall be provided in areas used by the public so that no part of such an area is more than 25m from an exit sign or directional exit sign.

Fire equipment signs (68)

1. **Description:** Fire equipment signs
 2. **Manufacturer:** *Submit proposals.*
 3. **Format:** In accordance with [EN ISO 7010](#).
 4. **Material**
 - 4.1. **Type:** Plastics sheet.
 - 4.2. **Finish:** Phosphorescent/ Photoluminescent coating to [BS ISO 17398](#).
 5. **Size:** Strictly in accordance with manufacturers specification, suitable for the purpose, location and detail.
-

Fire extinguishers (Active fire protection device)

The Law

Fire extinguishers are excluded from the provisions of the building regulations but are required when the building is in use for the purposes of the [Fire Service Act 1981 – 2003](#) and the [Safety, Health and Welfare at Work Act 2005](#).

Fire extinguishers should be installed, serviced and maintained in accordance with Irish Standard I.S. 291: 2015 “Selection, commissioning, installation, inspection and maintenance of portable extinguishers”.

A one-year maintenance contract shall be provided by the contractor with the specialist accredited company undertaking the installation to accord with the defects period.

Selection of fire extinguishers

Fire extinguisher selection is based on the fire classification expected in the building.

Classification of fires

There are six classes of fire; Class A, Class B, Class C, Class D, Class E and Class F

- **Class A fires – combustible materials; caused by flammable solids, such as wood, paper, cardboard, and fabric (wood or organic materials).**
- Class B fire – flammable liquids: such as petrol, turpentine or paint
- Class C fires – flammable gases: hydrogen, butane or methane
- Class D fires – combustible metals: chemicals such as magnesium, aluminium or potassium
- **Class E fires – electrical equipment: fire involving electricity or electrical appliances**
- **Class F fire – cooking oil fires: cooking oil fires i.e. chip pans**

Overview:

In general, the buildings and their intended use(s) can be classified as **Class A**, with limited areas relating to **Class E** (such as plant and comm’s rooms etc.) and **Class F** relating to the commercial kitchen associated with

the Meals and Wheels. Fire fighting equipment shall be placed at all exit doors and in plain sight and no more than 25m apart.

Water extinguishers

Label colour: bright red

Water for: Organic materials such as:

- Paper and cardboard
- Fabrics and textiles
- Wood and coal

Types of premises/business requiring water extinguishers: Offices, Schools, Hospitals, Residential properties, Warehouses

Where to locate: By the exits on a floor where a Class A fire risk has been identified.

Foam extinguishers

Foam extinguishers are most common type of fire extinguisher for Class B fires, but also work on Class A fires as they are water-based. Label Colour: cream

Use for: Organic materials such as:

- Paper and cardboard
- Fabrics and textiles
- Wood and coal
- Flammable liquids, like paint and petrol

Types of premises/business requiring foam extinguishers:

- Buildings constructed of wood or other organic materials
- Premises where there are organic materials to be found such as: Offices, Schools, Hospitals, Residential properties, Warehouses
- Buildings where flammable liquids are stored

Where to locate foam extinguishers: By the exits on a floor where a Class A or Class B fire risk has been identified

Carbon dioxide (CO2) extinguishers

CO2 extinguishers are predominantly used for electrical fire risks and are usually the main fire extinguisher type provided in **computer server rooms**. They also put out Class B fires (flammable liquids, such as paint and petroleum). Label colour: black

Use for:

- Flammable liquids, like paint and petrol
- Electrical fires

Do not use for:

- Kitchen fires – especially chip-pan fires
- Combustible materials like paper, wood or textiles
- Flammable metals

Types of premises/business who may need CO2 extinguishers:

- Premises with electrical equipment, such as: **Offices, Kitchens, Construction sites, Server rooms**

Where to locate CO2 extinguishers:

Place near to the source of the fire risk and/or near the fire exits.

Wet chemical extinguishers

Wet chemical extinguishers are designed for use on Class F fires, involving cooking oils and fats. Label colour: yellow. Used for:

- Cooking oil/fat fires
- Organic materials such as:
 - Paper and cardboard
 - Fabrics and textiles
 - Wood and coal

Do not use for:

- Flammable liquid or gas fires
- Electrical fires
- Flammable metals

Types of premises/business who may need wet chemical extinguishers:

- **Commercial kitchens**
- **Canteens**

Where to locate wet chemical extinguishers: Place near to the source of the fire risk.

Disability Access

Manual Doors:

Accessible manual doors provided will comply with the following: (a) when measured from the leading edge of the door, the opening force will be not more than 30N from 0° (the door in the closed position) to 30° open, and not more than 22.5N from 30° to 60° degrees of the opening cycle. (b) there will be an unobstructed space of at least 300 mm between the leading edge of a single leaf door (when it opens towards you) and a return wall. (c) Where fitted with a latch, door opening furniture will be operable with one hand, without the need to grab and twist. (d) All door opening furniture will contrast visually with the surface of the door.

Accessible Glass Doors:

Doors shall be clearly defined with permanent manifestation on the glass, within two zones, from 850 mm to 1000 mm and from 1400 mm to 1600 mm above the floor, contrasting visually with the background seen through the glass (from inside and outside) in all lighting conditions. The edges of a glass door will also be apparent when the door is open. (b) Manifestation in the form of a logo or sign will be at least 150 mm high (repeated if on a glazed screen) or at least 50 mm high if it takes the form of a decorative feature such as broken lines or continuous bands. (c) Any glass door adjacent to, or incorporated within, a fully glazed wall or screen, the door and wall or screen will be clearly differentiated from one another, with the door being more prominent

Door handles:

Door handles shall be located at a height of between 800 mm and 1050 mm above finished floor level. Where a pull handle is provided the available grip zone of the pull handle will be between 700 mm (min) to 1000 mm (max) above finished floor level. The top end of the pull handle will be 1300 mm (min) above finished floor level. Where fitted with a latch, the door opening furniture will be operable with the closed fist of one hand or an elbow.

Access Control

Access control strategy entails the following:

- (Internal doors) Electronic locks with lever handle (EN179) to inside for direct opening, and with a card reader on the secure side. Lock to deactivate when AFDS is triggered.
- (External doors) Electronic multipoint locks with electronic push bar (to EN 1125) to inside for direct opening, and with a card reader on the outside. Emergency egress button to be located internally. Lock to deactivate when AFDS is triggered.
- Keypads to be located close to these doors to disarm security.
- Doors to be wired with proprietary lead cover.
- **For doors: (DG)102,113,117,118,121,132,133, (DLG)04, (DF)204,209, EDG01, (32)103,105,201,202, 205,206, DG 106, [DG 110](#) and [111](#)**

Access control strategy to EN 13637 entails the following for doors: - not required

- Access control ironmongery and associated fittings to **EN13637**
- Day time - a key switch (held by staff) will disengage the mag lock for unfettered access
- Night time, staff out of hours – key switch will engage electronic lock
- Doors to be wired with proprietary lead cover.

Standards:

EN 179: Emergency Exit Devices

I.S. EN 1125:2008 – Building Hardware – Panic Exit Devices operated by a horizontal bar for use on escape routes.

I.S. EN 13637 - Building Hardware - Electronically Controlled Exit Systems for use on Escape Routes - Requirements and Test Methods

PSA Licencing Requirements for Electronic Security Access Control (PSA 67:2021).

The PSA 67 Standard references EN 179 & EN 1125 for Panic exit devices and Emergency exit devices.

EN 13637 – is a unified standard which allows for exit systems on escape doors to be controlled electronically and serves to manage unauthorised use or escape route doors by either blocking / delaying egress.

With regards to the Internal Fire Doors, and the Introduction of the PSA 67 standards, suppliers / manufactures must provide certification for Maglocks / Solenoids and Strike Locks on Fire Rated doors. Fire Rated Maglock must be provided on all fire doors with Access Control. Test certificates must be provided upon handover for inclusion in the safety file and BC(A)R Ancillary certification (and compliance). The following standards shall apply to organisations providing a security service in the **Installer of Security Equipment (Access Control)** sector:

- PSA 74:2019 – Licensing Requirements For Security Service Providers
- PSA 67:2021 – Licensing Requirements For Electronic Security – Access Control (Part 1)
- I.S. EN 60839-11-2
- I.S. EN 179
- I.S. EN 1125
- I.S. EN 13637

Lead covers are designed to ensure the unbroken transfer of cable between the door and the frame. The maximum diameter of the cable is 7,5 mm and it is recommended to use multicore cable because of its increased bending strength. When the opening angle of the door is more than 120° or the distance between the hinge and the door frame is more than 20 mm, a long lead cover shall be used.

General:

- The transfer of electrical connections onto doors shall be via suitable flexible cables or other means of adequate reliability.
- Appropriate hardware shall be used where rebated and double-rebate doors are controlled
- Necessary safety precautions shall be taken where all-glass or other special doors are controlled.
- Door closing devices shall be sufficient to close and lock the door under normal circumstances, but without undue impact upon the components of an access control system.
- Doors shall be a satisfactory fit in the frame
- Hinges, frame and fixings shall be adequate for the weight and proposed usage of a door.
- Where manual or automatic override features are used, continuously rated releases are required.
- All installations, repairs and servicing shall be conducted in accordance with building, electrical and fire regulations.
- Any electrical installation or connection required shall comply with current national and site regulations and the electrical work shall be carried out in accordance with the National Rules for Electrical Installations (I.S 10101).
- Electrical work shall be carried out by technicians who are qualified to undertake such work.
- All installations, repairs and servicing of equipment connected with escape routes shall be conducted in accordance with EN179, EN1125, EN 13637 and such other requirements as prescribed by law.
- Equipment shall be selected and installed to withstand the following air temperatures:
 - i) Internally sited equipment, 0 °C to +40 °C
 - ii) Externally sited equipment, -20 °C to +50 °C

Equipment exposed to direct sunlight can exceed these temperatures and appropriate shielding may be required in such circumstances. When the temperature is not well maintained internally in premises, temperature may vary between -10 °C to +40 °C and organisations should consider using equipment suitable for external use or similar. In all cases equipment should be suitable for use in the environment in which it is installed.

- Reader or controller and/or its associated access point hardware or a central control with the following features:
 - i) an indication for access granted
 - ii) variable time available for access to be made
 - iii) tamper detection to detect access to the lock in circumstances where the lock can then be controlled from the insecure side
 - iv) response within 2 seconds of the valid completion of the necessary data entry associated with the credential
 - v) re-locking of an access point if it is not used within a predetermined time.
- The contractor shall engage the security organisation early to co-ordinate the access control system design and related specialists / suppliers.
- Cables:
 - i) cables shall be installed within controlled areas
 - ii) cables shall be concealed
- Operational (Control Equipment) requirements:
 - i) protection against unauthorised interference with the system database or programme;
 - ii) logging of transactions;
 - iii) annunciation of alarms;
 - iv) blocking, validation and deletion of tokens;
 - v) database for the retention of token holder details with back-up copies of corruptible data to facilitate re-establishment of the system in the event of a failure;
 - vi) programming of access levels and time zones;
 - vii) period of operation following mains failure and/or storage of data by non-volatile means;
 - viii) ease of access for maintenance and serviceability.

Access Control - Testing, Commissioning, Maintenance and Certification

The following must be checked and tested during commissioning and recorded results certified by the commissioning person / specialist / engineer:

Testing

- all wiring is correctly terminated;
- alignment and operation of access point hardware and of release and closure mechanisms at each access point is correct;
- emergency release mechanisms at all the access points are in full working order;
- operation of each reader is correct;
- release time for each door is correct;
- door held open signal is present;
- correct authorisation of access is verified by the input of appropriate data;
- access control system continues to work when mains supply disconnected.

Commissioning (at handover)

- provide a system log book to the client and explain how to record/report problems;
- demonstrate all aspects of the system operation to the client, including any necessary safety precautions and any standby power facilities;
- ensure that the correct documentation is given to the client to enable the system to be operated, adjusted and maintained;
- train the users in the correct operation of the system and arrange for any further training if necessary;
- for PC based systems, train the users on how to produce a system back-up and recommend that back-ups are carried out on a regular basis.
- ensure that users know the procedure for summoning assistance in the event of system malfunction;
- advise the client to establish whether personal information held within the system requires registration under the Data Protection Act.
- Where an access control system is managed remotely, details of this should be included in the documentation, for example the method of control and where control is carried out.

Client refers to the building owner (and user) Mayo County Council.

Maintenance (defects period)

A maintenance contract with a duration of one year (12 months) shall be entered into between the Specialist Access Control organisation and the client and the cost of same included in the tender for the main works contract. For the purposes of the maintenance contract, the Client refers to Mayo County Council.

This maintenance contract shall commence the day after the Certificate of substantial completion with quarterly planned inspections. During each maintenance visit, inspection of the following, with all necessary tests, and those rectifications which are practical at the time, must be carried out:

- a) the installation, location and siting of all equipment and devices against the as-fitted document,
- b) the satisfactory operation of all equipment,
- c) all flexible connections,
- d) the normal and standby power supplies, for correct functioning,
- e) the control equipment, f) the operation of any warning device in the system,
- f) the correct operation of all system security functions,
- g) system application and operating software is at the correct version with any outstanding application and security patches and updates installed, subject to any software configuration controls the client may have in place.

Repairs which were not carried out during the scheduled maintenance visit shall be completed as soon as is practicable, subject to the agreement of any charges which may be applicable. All procedures used in the maintenance, servicing and repair of access control shall be in accordance with manufacturer's policy and instruction and meet manufacturer's specifications.

Any repairs or alterations to the system necessary following maintenance are to be performed in such a way as to return the system to the same level of service or better, as provided before the maintenance. Alterations shall be in accordance with the manufacturer's technical document. Where this is not possible, the client is to be advised and direction sought.

Any component replaced shall be of the same or increased level of security as the original component and shall not impact on the functionality or safety of the system. Where the client requests a component of a lower level of security this request shall be made in writing. Such a request shall be retained on the file of the organisation.

A record of all maintenance visits and of the work carried out shall be maintained.

Certification

The client shall be provided with a certificate of conformance confirming that the access control system has been installed and tested in accordance with the as-fitted document and the date on which the next service/maintenance visit is due.

The certificate of conformance shall contain the following details;

- a) Name of the organisation
- b) PSA licence number of the organization,
- c) Name of client,
- d) Address at which the service was provided,
- e) The nature of the service provided (installation, maintenance, repair),
- f) Date service was provided,
- g) Grade of system,
- h) Details of any alterations, changes or other modifications to the system,
- i) Date of next scheduled maintenance visit,
- j) Name of person issuing certificate on behalf of organization,
- k) Date on which certificate issued,
- l) Date on which certificate expires,

*Client refers to the building owner (and user) Mayo County Council.
Organisation refers to the Access Control Specialist.*

As-built

Upon completion of the installation of the access control system(s) an as-fitted document shall be produced including the following information:

- the name, address and telephone number of the controlled premises;
- the name, address and telephone number of the client;
- the name, address and telephone number of the installer;
- the location and classification of each access point and the type and location of each controller and its associated hardware
- the type and location of power supplies;
- power supply standby periods where relevant;
- details of those access points which the client has the facility to override;
- the type and location of any warning device;
- details and settings of any pre-set or adjustable controls incorporated into the system;

- relevant documentation relating to equipment;
- relevant documentation relating to software functions;
- the number of keys, codes, tokens and so on for the system provided to the client;
- details of the methods adopted for emergency override for safeescape;
- details of maintenance schedule/requirements.
- a schedule of the type and location of operational equipment (in words and/or diagrammatic form) shall be included.
- Control equipment
- Maintenance recommendations

A back-up of the initial system configuration (which may also include a copy of the database records) shall also be handed over to the client for system recovery if necessary.

Ironmongery category of use - Four grades are identified to EN1906:

- grade 1: medium frequency of use with a high incentive to exercise care and a small chance of misuse, e.g. internal residential doors;
- grade 2: medium frequency of use by people with some incentive to exercise care but where there is some chance of misuse, e.g. internal office doors;
- grade 3: high frequency of use by public or others with little incentive to exercise care and with a high chance of misuse, e.g. public office doors;
- grade 4: high frequency of use on doors which are subject to frequent violent use, e.g. football stadiums, oil rigs, barracks, public toilets, etc.

Corrosion resistance

Five grades are identified according to EN 1670:-

- grade 0: no defined corrosion resistance
- grade 1: mild resistance - minimum requirement for internal use
- grade 2: moderate resistance
- grade 3: high resistance - minimum requirement for external use
- grade 4: very high resistance - recommended for use in exposed marine atmospheres or very polluted industrial environments.

Note: Products intended to develop a natural patina (such as bronze or brass) are not required to comply with any requirements.

Security (EN 1906)

Four grades are identified: -

Grade 0 : not approved for use on burglary resistant doors

- grade 1: mild burglary resistance
- grade 2: moderate burglary resistance
- grade 3: high burglary resistance
- grade 4: extra high burglary resistance

Note: The main requirements include resistance to drilling, close fitting plates or escutcheons to help protect the lock and support the cylinder. They must be resistant to removal from the outside of the door and make provision to minimise the cylinder projection to a maximum of 3mm.

All locks to doorsets shall be 'Under Master key' – Provide 3 no. keys per cylinder stamped with suite or sub-site reference and tagged with door reference number. **A Master Key** shall be provided for each of the following buildings / building groups.

1. Library.
2. Civic Office
3. Community Buildings (MA1, MA2 MA3 / KS and Glass house

Semi-restricted Cylinders

PAS 24, TS007

Cylinders must have passed various brute force and manipulation tests and have a high minimum classification under EN 1303: 2015

MARKING

Packaging, labelling, or the product itself should be marked with the following information:

- (a) manufacturer's name or trademark or other means of positive identification
- (b) product model identification
- (c) classification as detailed above
- (d) the number of this European standard
- (e) the year and week of final assembly by manufacturer.

Standards:

EN 179, Hardware - emergency exit devices.

EN 1125 Hardware – panic exit devices.

EN 13637 - Building Hardware - Electronically Controlled Exit Systems for use on Escape Routes - Requirements and Test Methods

EN 12209:2016 Building hardware. Mechanically operated locks and locking plates.

EN 1906:2012 Building hardware. Lever handles and knob furniture.

EN 1935:2002 Building hardware. Single-axis hinges.

EN 1154:1997 Building hardware. Controlled door closing devices.

BS 5499-4:2013 Safety signs. Code of practice for escape route signing