

4.0. Systems, Materials & Finishing Codes

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REF	DESCRIPTION
Ceiling Systems	
K10	12.5mm plasterboard suspended on MF ceiling system
K10	12.5mm moisture resistant plasterboard suspended on MF ceiling system
K10	12.5mm plasterboard suspended on MF ceiling system (plasterboard to be fire rated FR 90mins)
K10	12.5mm moisture resistant plasterboard suspended on MF ceiling system (plasterboard to be fire rated FR 90mins)
CLS-05	Mirrored glass on 18mm plywood fixed to MF ceiling system. Allow for cut outs for lights.
CLS-06	Barrisol double membrane ceiling with LED lighting
CLS-07	Skim coat to new beam and block infill
CLS-08	Suspended 600x600 ceiling tile system
K40	Alucobond ceiling panel (to underside of glass boxes)
K40	Alucobond ceiling panel (to underside of bridges-Atrium 2)
K40	Alucobond ceiling panel (to underside of block I between Atrium 1 and Atrium 2)
CLS-11	12.5mm plasterboard ceiling fixed to existing ceiling battens
CLS-12	
Floor Finishes	
M40	20mm Basalt stone floor on 5mm adhesive and bedding on screed as specified (SCR-05) on new slab on DPM on 150mm Insulation (tbc)
M40	FF-01A 20mm Basalt stone floor on 5mm adhesive and bedding on screed as specified (SCR-01A)
M40	FF-01B 20mm Basalt stone floor on adhesive and bedding on 18mm plywood fixed to structure
M40	FF-01C 20mm Basalt stone floor on 5mm adhesive and bedding on 3mm Ardex NA on 30mm insulation on 60mm existing screed
M40	FF-01D 20mm Basalt stone floor on 5mm adhesive and bedding on screed as specified (SCR-05) on new structure
M40	FF-01E 20mm Basalt stone floor on 5mm adhesive and bedding on screed as specified (SCR-05) on 57mm existing screed
M40	FF-01F 20mm Basalt stone floor on 5mm adhesive and bedding on screed as specified (SCR-05) on 60mm existing structure
M40	FF-01G 20mm Basalt stone floor on 5mm adhesive and bedding on screed as specified (SCR-05) on 80mm insulation (tbc) on 130mm metal deck structure
M40	FF-01H 20mm Basalt stone floor on 5mm adhesive and bedding on concrete in-fill of lift
K20	FF-02 Existing retained parquet floor, allow for 20% replacement of damaged floor
K20	FF-02A Refurbishment of existing maple wood block floor
K20	FF-03 Retained timber boards
K20	FF-04 New carpet on 18mm T&G chipboard
K20/M50	FF-05 20mm new timber floorboards bonded to Ardex NA bulked out with ardex single sized aggregate screed (SCR-02)
	FF-05A 20mm new timber floorboards on acoustic underlay on battren and cradle system
	FF-05B 20mm new timber floorboards on felt, attached to screed as specified with clips (SCR-05A) on existing slab
	FF-05C Junkers timber floor secret nailed through tongue into 18mm plywood floor
	FF-05D 20mm new timber floorboards on 5mm acoustic mat on 18mm chipboard/ ply on existing joists with rockwool in-between
	FF-06 New rubber floor on latex screed
	FF-06A New rubber floor
	FF-07 7mm New ceramic tiles on 5mm adhesive and bedding on screed as specified (SCR-01A) on existing structure (for WCs)
	FF-07A New ceramic tiles on adhesive and bedding on existing structure (for Shower Areas)
	FF-07B New ceramic tiles on adhesive and bedding on existing structure (for Accessible WCs)
	FF-08 Painted concrete floor
	FF-09 Entry mat
	FF-10 SS Floor Grating (Euroslot or similar) fixed to timber, fixed to concrete slab
	FF-11 Powder Coated Aluminium (to match wall lining LIN-10)
	FF-12 Not in use
	FF-13 Metal grating floor supported on steel angles
	FF-13 Metal grating floor supported on steel angles
	FF-14 New wood block floor on screed as specified (SCR-01A)
Screeds	
SCR-01	Arditex NA
SCR-01A	Arditex NA bulked out with ardex single sized aggregate
SCR-02	Ardex RS Plus
SCR-03	Ardex A35
SCR-04	Ardex FA 20
SCR-05	Ardex A38 bonded (less than 50mm)
SCR-05A	Ardex A38 unbonded
SCR-06	Not used
SCR-07	Ardex A45
Trims/ Skirtings	
TRM-01	New anodised aluminium skirting
TRM-02	New anodised aluminium skirting fixed flush to partition wall
TRM-03	New moisture resistant MDF skirting, 144mm x 18mm, painted
TRM-04	New tile skirting to match floor finish FF-07 & FF-07A
TRM-05	New tile skirting to match floor finish FF-07B
TRM-06	Powdercoated aluminum floor trim to landings and stair, CAT TRIM A3
TRM-07	Gradus Aluminium edge trim TA6
TRM-08	Aluminium nosing from Quantum S range to suit stair
TRM-09	Schluter Schiene-E (30mm)
TRM-10	Schluter Reno-U (20mm)
TRM-11	Schluter Reno T (Stainless Steel)
TRM-12	Schluter Dilex- EKS N
TRM-13	Gradus Aluminium A Range nosing ADM2
TRM-14	Gradus Aluminium ET367- Silver Anodised
TRM-15	Gradus Aluminium JT365- Silver Anodised
TRM-16	Steel rod nosing for Basalt stone stair tbc
External Wall System	
H11	EWS-01 Powdercoated aluminum curtain walling system (Raico Therm+50 S-I (SG2)) with opening lights at high level, Integrating schuco ABS 65 HD door at low level
H11	EWS-02 Powder coated aluminum curtain walling system with fin (extending 120mm) fixed back to main bridge structure.
H11	EWS-03 10mm toughened clear (low iron) float glass with concealed steel frame and integrated sliding and pivoting glass doors.
H92	EWS-04 Back painted glass rain screen cladding system. Wall panel to be fixed to concealed aluminum frame
H11	EWS-05 Powdercoated aluminum vertical and horizontal glazing (Raico Therm+50 S-I (SG2)) with lights and powdercoated flashings as required
	EWS-06 Lead on plywood
H20	EWS-07 Lead on Building Paper on 18mm WBP plywood on Metsec Frame (to contractors design)
	EWS-08 150 x150mm timber frame construction
	EWS-09 140mm Blockwork with insulation and render to 150mm above roof level
F10	EWS-10 Cavity wall construction, bricks to match existing, 100mm knauf insulation and 140mm blockwork
	140mm Blockwork with insulation and render to 150mm above roof level
Internal Wall System	
IWS-01	Scenic Lifts: 10.8mm laminated toughened low iron glass - fritted to parts - fixed back to structure with stainless steel fixings
IWS-01A	8.8mm laminated glass fixed back to structure with stainless steel fixings
IWS-02	12mm float low iron glass fixed with stainless steel brackets with fritted patterning
H13	IWS-03 Structural glass system with stainless steel connections, structural glass fins and steel support rods. Refer to GLS04 for glass details.
	IWS-04 10mm toughened clear (low iron) float glass with concealed steel frame and integrated sliding glass door.
	IWS-05 /
	IWS-06 Glass wall made up of 10mm toughened clear (low iron) float glass with steel frame and integrated hinged doors.
	IWS-06A Glass wall (as IWS-06) with integrated hinged doors.
	IWS-07 Glass wall supported on all sides.
	IWS-08 Existing wall to be retained and refurbished
	IWS-09 Existing wall, including door, to be retained and refurbished
	IWS-10 Existing wall to be retained and refurbished
	IWS-10 Existing wall, including door, to be retained and refurbished
	Shaft Wall: Metsec Frame (to contractor's design) with 70mm stud infill, supporting 2 layers of 15mm Knauf Fireshield on one side with 1 layer of Knauf Core Board secured between studs, joints filled, taped and finished in accordance with manufacturer's recommendations, FR 120mins

REF	DESCRIPTION
Partition Types	
K10	PW-01 Metal Stud Partition made up of 1 layer of 12.5mm Knauf Soundshield Plus either side of Knauf 70mm 'C' studs at 600mm centres, Rw 40 dB, FR 30mins (Refer to drawing 1262-G251-D-AL-100)
K10	PW-01A Metal Stud Partition made up of 1 layer of 12.5mm Knauf Soundshield Plus one side and 10mm Wedi Board on shower side of Knauf 70mm 'C' studs at 600mm centres. (Refer to drawing 1262-G251-D-AL-100)
K10	PW-02 Metal Stud Partition made up of 1 layer of 12.5mm Knauf Soundshield Plus either side of Knauf 70mm 'C' studs at 600mm centres with 25mm cavity insulation, Rw 45 dB, FR 30mins (Refer to drawing 1262-G251-D-AL-100)
K10	PW-03 Metal Stud Curved Partition made up of 1 layer of 12.5mm Knauf Soundshield Plus either side of Knauf 70mm 'C' studs at 600mm centres, Rw 40 dB, FR 30mins (Refer to drawing 1262-G251-D-AL-100)
K10	PW-04 Fire Wall made up of 2 layers of 12.5mm Knauf Fireshield on either side of Knauf 70mm Acoustic 'C' studs at 600mm centres, FR 120mins (refer to drawing 1262-G251-D-AL-100)
K10	PW-04A Fire Wall made up of 2 layers of 15mm Knauf Fireshield on one side with 1 layer of Knauf Core Board secured between Knauf 60mm Acoustic 'CT' studs at 600mm centres, Rw 41dB, FR 120mins
K10	PW-05 Double Stud Partition made up of 1 layer of 12.5mm Knauf Soundshield Plus either side of 2 Knauf 70mm 'C' studs at 600mm centres (refer to drawing 1262-G251-D-AL-100)
K10	PW-06 Riser Separating Wall made up of 1 layer of 18mm plywood either side of Knauf 70mm 'I' studs at 300mm centres (Refer to drawing 1262-G251-D-AL-100)
K10	BLK-01 140mm blockwork (2 hour fire resistance).
Internal Wall Lining Systems	
K10	LIN-01 / 01A Wall Lining made up of 1 layer of 12.5mm Knauf Wallboard on Dabs (Refer to drawing 1262-G251-D-AL-100)
K10	LIN-02 Wall Lining made up of 1 layer of Knauf 12.5mm Wallboard on Knauf 'C' channels at 600 centres fixed to Knauf Universal Brackets (Refer to drawing 1262-G251-D-AL-100)
K10	LIN-03 LIN-02 Wall lining with 2 layers of 12.5mm Wallboard and flush skirting (Refer to drawing 1262-G251-D-AL-100).
K10	LIN-04 Independent Wall Lining made up of 1 layer of Knauf 12.5mm Wallboard on Knauf 60mm 'I' studs at 600 centres (Refer to drawing 1262-G251-D-AL-101)
K10	LIN-04A Independent Wall Lining made up of 1 layer of 10mm Wedi Board on Knauf 60mm 'I' studs at 600 centres (Refer to drawing 1262-G251-D-AL-101)
K13	LIN-05 1 layer of 10mm Wedi Building Board on adhesive dabs, joints filled and taped, and Mapei Waterproofing Kit applied to surface using Mapei Waterproofing Tape and Mapeugum WPS (refer to drawing 1262-G251-D-AL-101).
K13	LIN-06 Black anodised aluminum lining panel
K13	LIN-06A Black anodised aluminum lining panel with ventilation slots
K13	LIN-07 Hardwood timber back panel and hardwood seating
K13	LIN-08 Back painted black glass finish glued to 18mm MDF with aluminium split batten angles to existing wall with integrated low iron clear glass display box supported on stainless steel angles
K13	LIN-09 2 layers of 12.5mm Wallboard fixed to timber battens fixed to timber studs. Outer layer to be finished with Armourcoat polished plaster.
K13	LIN-10 Powder coated aluminum sheet lining on 15mm plywood, concealed fixings
K13	LIN-11 Polished stainless steel backed on to plywood on Gypframe 60170mm 'I' studs
K13	LIN-12 Black anodised aluminum cladding to column with concealed fixings
K13	LIN-13 Wall lining made up of 1 layer of plasterboard on studs up to cill.
K13	LIN-14 Black anodised aluminum lining to lift shaft reveals
H-31	LIN-15 Black alucobond closer to bridge deck
	LIN-16 Basalt tiles lined to lift pit
Internal Wall Finish Systems	
M40	TL-01 Selected wall tiles for showers
M40	TL-02 Selected wall tiles for WCs
M40	TL-03 Selected wall tiles for Accessible WCs
	LIN-16 Basalt tiles lined to lift pit
Glazing	
Z25	GLS-01 6mm toughened glass with mirror glass finish
Z25	GLS-01A Display boxes - 8.8mm Laminated glass toughened with UV bonding.
Z25	GLS-02 6mm toughened glass with ceramic frit (black)
Z25	GLS-03 Two 12mm laminated glass panes with black ceramic frit to both inner faces
Z25	GLS-04 Meeting Boxes - 19.5mm clear low iron toughened heat soaked planar laminated low iron glass with ceramic frit at base and ceiling element of level 4 box.
Z25	GLS-05 Torrington Place shop front glazing - 2mm low iron toughened glass with glass fins at high level
Z25	GLS-06 Canopy 1 - 17.5mm toughened laminated glass (Pilkington SVP) with white ceramic interlayer to achieve 60% opacity
Z25	GLS-06A Canopy 2 - 17.5mm toughened laminated glass with mirror glass finish to underside
Z25	GLS-07 Draft screen - 13.5mm toughened heat soaked laminated low iron glass
Z25	GLS-08 Outer: 6mm heat soaked outer pane, 20mm argon filled cavity. Inner: 9.5mm heat strengthened inner pane. Vertical glazing to have gradual frit at base
	GLS-09 Atrium Roof: Outer: 10mm toughened glass with 16mm argon filled cavity with 62 / 35 sunguardian high selective coating to face Inner: 14mm heat strengthened laminated glass
	GLS-10 Verticals: Outer: 8mm toughened glass with 16mm argon filled cavity with 62 / 35 sunguardian high selective coating to face Inner: 11.5mm heat strengthened laminated glass
Z25	GLS-10 refer GLS 09
Z25	GLS-11 Torrington Place elevation - 6mm toughened glass with a black ceramic frit or Pilkington toughened spandral glass with 100% frit coverage
Z25	GLS-12 Not in use
Z25	GLS-13 Level 1 Atrium balustrade - 21.5mm heat soaked laminated low iron glass
Z25	GLS-14 Scenic Lift shaft - 19.5mm heat soaked laminated low iron glass with 1.5mm PVB interlayer made up of 12mm toughened heat soaked glass, 1.5mm interlayer and 6mm clear heat strengthened low iron glass
Z25	GLS-15 6mm SKN 154 toughened, 16mm argon filled cavity, 6.4mm laminated low iron inner pane
Z25	GLS-16 Balustrades to Atrium bridge links - 25mm thick heat soaked toughened laminated glass
Canopy	
CANOPY-01	Membrane roofing on plywood on steel substructure, with glazed soffit and powder coated aluminium trim fascia with concealed fixings.
Paint Finishes	
PT-01	3 coats of white emulsion applied directly to block
PT-02	3 coats of external masonry paint
PT-03	3 coats of internal masonry paint
PT-04	3 coats of internal masonry paint
PT-05	3 coats of emulsion paint for plasterboard
PT-06	3 coats of eggshell paint for timber doors, frames and trims
PT-07	3 coats of paint for stair metal handrails and balustrades
PT-08	3 coats of external paint for timber doors
PT-09	Powder Coated Steel, RAL— (Steel as per SE specification)
PT-10	3 coats of fternal paint finish to concrete soffit

REF	DESCRIPTION
Roof Systems	
J42	RFS-01 Samafil single ply membrane on 150mm of insulation on falls to new gutter and downpipe. Allow for Sanatread walkway for access to all plant areas.
J42	RFS-02 Samafil single ply membrane on 50mm of insulation on falls to new gutter and downpipe
H62	RFS-03 Patch repairs to existing slate roof
H62	RFS-04 New Slates, battens, tyvek membrane, sheathing, counter battens, insulation. Existing structure to remain. Allow for new lead flashings at ends of roof where abuts to existing brick wall and lead roll to ridge and hips.
H71	RFS-05 Patch repairs to existing lead roof
H71	RFS-06 New lead roof
J42	RFS-07 Samafil single ply membrane on 150mm insulation to falls on 18mm plywood on new timber structure
	RFS-08 Not in use
	RFS-09 Not in use
	RFS-10 Not in use
J42	RFS-11 Insulated sedum roof
J42	RFS-12 Patch repairs to existing asphalt roof
	RFS-13 Patch repairs to existing copper roof
	RFS-14 Not in use
H62	RFS-15 New Slates, battens, tyvek membrane, sheathing, counter battens, insulation & new timber rafters. Allow for new lead flashings at ends of roof where abuts to existing brick wall and lead roll to ridge and hips.
J42	RFS-16 Single Ply Membrane on 50mm insulation to back of existing skylight. Allow for upstand & sana metal flashing chased into existing render. Allow to encapsulate existing stair
J42	RFS-17 Samatred Walkway
J42	RFS-18 Samatred on single ply membrane on 150mm insulation. Use existing roof as vapour control layer
J42	RFS-19 Samafil single ply on 150mm insulation. Use existing roof as vapour control layer.
RFL-01	P/C Aluminium double glazed roof light - connecting back to existing roo structure
RFL-02	Patch repairs to existing roof light
RFL-03	New double glazed roof light type 2
Gutter Systems	
H71	GUT-01 New lead gutter with outlets and leaf guards on new 18mm marine plywood base with supporting timber framework as required
	GUT-02 New metal powder coated gutter with outlets and leaf guards
	RWP 01 Cast iron rain water pipe with paint finish
	SVP 01 Cast iron soil vent pipe with paint finish
Parapet Systems	
PAR-01	Existing parapet re built with pad stones to structural engineers. Aluminium capping by curtain wall sub contractor
PAR-02	New brick parapet with pad stones to structural engineers details
PAR-03	EDPM on 18mm marine plywood on timber frame
PAR-04	Existing parapet
PAR-05	Build up existing parapets to suit new levels for roof
PAR-06	Existing coping and balustrade to be removed from parapet and replace with new brick wall to height of adjacent VRF unit (Approx 2m)
Rendering + Plastering	
REN-01	15mm sand and cement render system on new concrete blockwork / brick wall
REN-02	15mm sand and cement render system on existing brick wall
REN-03	Existing render made good
REN-04	Sand/Cement render to cill and lintel
REN-05	New Sand/Cement render with paint finish to match existing
Brick Wall	
BRK-01	Existing brickwork to be repointed/snots removed/made good/cleaned as required
BRK-02	Existing brick wall cut back to take new wall finish
BRK-03	New brick wall under new seating
BRK-04	New brick wall to be flush with existing
BRK-05	New brick wall to match existing, to be flush with existing
BRK-06	New brick parapet to match existing
BRK-07	New brick wall to match existing with 140mm blockwork behind
BRK-08	New brick wall to match existing where existing roof removed
BRK-09	Infill brick toothed into existing
BRK-10	Painted infill brick to match existing
Balustrades / Handrails / Stairs	
L30	BAL-01 Stair 25 & 26: Black glass balustrade with concealed steel and silicon fixing into concrete stair and channel at base. Connections to stainless steel handrail and posts where required.
L30	BAL-02 Atrium 1 : Transparent glass balustade fixed to stainless steel channel
L30	BAL-03 New handrail to replace existing
L30	BAL-04 Platform Lift: Clear glass balustrade with stainless steel posts around the lift
L30	BAL-05 40 mm dia stainless steel handrail fixed to mullion
	BAL-06 Atrium 2 : Transparent glass balustade fixed to stainless steel channel
	BAL-07 Existing posts and lead capping to roof to be retained
	BAL-08 Existing posts and lead capping to roof to be retained
	BAL-09 New galvanised steel balustrade fitted 1100mm about finished roof level to existing concrete parapet
	BAL-10 New stainless steel balustrade fixed to floor (Stair 27)
	BAL-11 New stainless steel balustrade fixed to wall (Stair 25)
FX-01-06	Glavanised steel stairs and ladders at roof level

Notes

The survey / existing base information is based entirely on DB Systems Survey drawings (10-034-FP-0, 10-034-FP-1, 10-034-FP-2, 10-034-FP-3, 10-034-FP-4, 10-034-FP-5, 10-034-FP-6, 10-034-FP-7, 10-034-FP-8, 10-034-SEC-1, 10-034-SEC-2, 10-034-SEC-3, 10-034-SEC-4, 10-034-SEC-5, 10-034-SEC-6, 10-034-SEC-7, 10-034-SEC-8, 10-034-EL-AM, 10-034-EL-TCR, 10-034-EL-TP) received in October 2010 and Ordnance Survey Data.

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Rev.	Date	Description	Drawn	Checked
A	21.01.2013	Stage F	EG	GF
A	28.01.2013	Stage F	EG	GF
B	13.02.2013	Stage F	EG	GF
C	26.02.2013	Stage F	EG	GF
D	20.03.2013	Stage F	EG	GF
E	17.05.2013	Construction	EG	GF
F	16.09.2013	Planning	EG	GF

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Landscape

Heal's Tottenham Court Road

T sheet

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