

Outline Specification

Project: 425 St John & St James' C of E Primary School
Client: London Diocesan Board for Schools

SUBSTRUCTURE		
Ground works		REFER TO STRUCTURAL ENGINEERS SPECIFICATION
Foundations		REFER TO STRUCTURAL ENGINEERS SPECIFICATION
Retaining walls		REFER TO STRUCTURAL ENGINEERS SPECIFICATION
STRUCTURE		
Concrete structure		REFER TO STRUCTURAL ENGINEERS SPECIFICATION
External walls	GROUND FLOOR CURTAIN WALLING	<p>Manufacturer and reference: <u>ACCOYA TIMBER WINDPOSTS WITH NORDAN ALUMINIUM FACED WINDOWS SET BETWEEN.</u> (See windows)</p> <p>CONTACT: International Timber Haven Road, The Hive, Colchester, Essex, CO2 8HU 01206 866822 www.internationaltimber.co.uk www.accoya.com</p>
External walls	1 ST FLOOR EXTERNAL WALL	<p>Manufacturer and reference:</p> <ul style="list-style-type: none"> • 65 x 215 x 102.5mm WIENERBERGER (TERCA) BRICKWORK OR SIMILAR • ANCON OPTIMA STANDARD MASONRY SUPPORT SYSTEM • 50mm KINGSPAN KOOLTHERM K8 CAVITY BOARD INSULATION • 140mm LIGNACITE GP BLOCKWORK OR SIMILAR • PLASTER & PAINT FINISH <p>CONTACT: Wienerberger www.wienerberger.co.uk Tel: 0845 303 2524. Fax: 0161 491 6532</p> <p>CONTACT: Ancon Building Products President Way President Park Sheffield, S4 7UR</p>

		<p>UK Tel: +44 (0) 114 275 5224 Fax: +44 (0) 114 276 8543 Email: info@ancon.co.uk</p> <p>CONTACT: Lignacite Ltd Norfolk House High Street Brandon Suffolk IP27 0AX Telephone: 01842 810678 Fax: 01842 814602</p> <p>CONTACT: Kingspan Insulation Ltd Pembridge Leominster Herefordshire HR6 9LA Telephone: 0870 850 8555 Fax: 0870 850 8666 email: info.uk@insulation.kingspan.com Web: www.insulation.kingspan.com</p>
External walls	PARAPET WALL	<p>Manufacturer and reference:</p> <ul style="list-style-type: none"> • 65 x 215 x 102.5mm WIENERBERGER (TERCA) BRICKWORK OR SIMILAR • ANCON PARAPET POST • 140mm LIGNACITE GP BLOCKWORK OR SIMILAR <p>CONTACT: Wienerberger www.wienerberger.co.uk Tel: 0845 303 2524. Fax: 0161 491 6532</p> <p>CONTACT: Ancon Building Products President Way President Park Sheffield, S4 7UR UK Tel: +44 (0) 114 275 5224 Fax: +44 (0) 114 276 8543 Email: info@ancon.co.uk</p> <p>CONTACT: Lignacite Ltd Norfolk House High Street Brandon Suffolk IP27 0AX Telephone: 01842 810678 Fax: 01842 814602</p>
Floors	GROUND FLOOR CONSTRUCTION	<p>Manufacturer and reference:</p> <ul style="list-style-type: none"> • 75mm SCREED • 80mm KINGSPAN KOOLTHERM K3 FLOOR BOARD INSULATION • 250mm CONCRETE SLAB • 25mm BLINDING • 150mm COMPACTED HARDCORED

		<p>CONTACT: Kingspan Insulation Ltd Pembridge Leominster Herefordshire HR6 9LA Telephone: 0870 850 8555 Fax: 0870 850 8666 email: info.uk@insulation.kingspan.com Web: www.insulation.kingspan.com</p>
Floors	1 ST FLOOR CONSTRUCTION	<p>Manufacturer and reference:</p> <ul style="list-style-type: none"> • 75mm SCREED WITH UNDERFLOOR HEATING ZONE • 25mm KINGSPAN KOOLTHERM K3 FLOOR BOARD INSULATION • 325mm CONCRETE SLAB <p>CONTACT: Kingspan Insulation Ltd Pembridge Leominster Herefordshire HR6 9LA Telephone: 0870 850 8555 Fax: 0870 850 8666 email: info.uk@insulation.kingspan.com Web: www.insulation.kingspan.com</p>
Roof	ROOF CONSTRUCTION	<p>Manufacturer and reference:</p> <ul style="list-style-type: none"> • GREEN ROOF (<i>see roof finishes</i>) • 1.2mm SARNAFIL G410-12 SELF LACQUERED REINFORCED PVC SINGLE LAYER POLYMERIC SHEET ROOF COVERINGS • 115mm KINGSPAN THERMATAPER TT47 • 325mm CONCRETE SLAB • 25mm INSULATION <p>CONTACT: Sarnafil Ltd Unit 11 Robberds Way Bowthorpe Norwich Norfolk NR5 9JF</p> <p>CONTACT: Kingspan Insulation Ltd Pembridge Leominster Herefordshire HR6 9LA Telephone: 0870 850 8555 Fax: 0870 850 8666 email: info.uk@insulation.kingspan.com Web: www.insulation.kingspan.com</p>
Internal walls, partitions	INTERNAL PARTITIONS	<p>Manufacturers: <u>BRITISH GYPSUM / LIGNACITE</u></p> <p>References according to wall type below:</p>

		<ul style="list-style-type: none"> - 140mm DENSE BLOCK/ LIGHTWEIGHT GYPSUM PLASTER. Rw 40/45Db. 30/60 MINS FIRE RESISTANCE - 140mm DENSE BLOCK /DOT & DAB GYPROC DURALINE. Rw 40/45Db. 30/60 MINS FIRE RESISTANCE - 140mm DENSE BLOCK /METAL FURRINGS GYPROC DURALINE. Rw 40/45Db. 60 MINS FIRE RESISTANCE - 215mm DENSE BLOCK /DOT & DAB GYPROC DURALINE. Rw 55Db. 60 MINS FIRE RESISTANCE - 240mm. GYPFRAME METAL STUD WITH 2NO. 12.5mm GYPROC SOUNDBLOCK BOARD & SOUND INSULATION. Rw 60Db. 60MINS FIRE RESISTANCE. - 240mm. GYPFRAME METAL STUD WITH 1NO. 15mm GYPROC SOUNDBLOCK BOARD & 1NO. 15mm GYPROC DURALINE BOARD + SOUND INSULATION. Rw 66Db. 60MINS FIRE RESISTANCE - 155mm. GYPWALL CLASSIC METAL STUD WITH 1NO 15mm SOUNDBLOCK BOARD & SOUND INSULATION Rw 56 dB. 90MINS FIRE RESISTANCE - 102 mm GYPWALL ROBUST METAL STUD WITH 1NO 15mm DURALINE BOARD & SOUND INSULATION. Rw 48Db. 60MINS FIRE RESISTANCE. - 125mm SHAFTWALL METAL STUD WITH 2NO 15mm DURALINE BOARD. Rw 53Db. 120MINS FIRE RESISTANCE. <p>CONTACT: British Gypsum Sales Tel: 0800 225225 Fax: 0115 984 2244 Technical enquiries Email: btgtechnical.enquiries@bpb.com Tel: 08705 456 123 (+44 8705 456 123) Fax: 08705 456 356 (+44 8705 456 356)</p> <p>CONTACT: Lignacite Ltd Norfolk House High Street Brandon Suffolk IP27 0AX Telephone: 01842 810678 Fax: 01842 814602</p>
-	MOVABLE PARTITIONS	Manufacturer and reference: LONDON WALL TYPE RG <p>CONTACT: London Wall Design Ltd</p>

		<p>63 Barwell Business Park Leatherhead Road Chessington Surrey KT9 2NY Tel: +44 (0)20 8391 8750 Fax: +44 (0)20 8391 8751 E mail: sales@londonwall.co.uk Web: www.londonwall.co.uk</p> <p>- TYPE RG TOP HUNG FRAMELESS GLASS SLIDING PARTITION - 10/12MM THICK CLEAR TOUGHENED OR LAMINATED, SINGLE OR DOUBLE GLAZED UP TO 52MM - ALUMINIUM, THERMALLY INSULATED – 77MM/106MM/185MM WIDE X 75MM DEEP</p>
Stairs		<p>Manufacturer and reference: BISON PRECAST REINFORCED CONCRETE STAIRS WITH 150MM RISER AND 250MM TREAD</p> <p>CONTACT: Bison Manufacturing Limited Millennium Court First Avenue Centrum 100 Burton-Upon-Trent DE14 2WR TEL: 01283 495000 FAX: 01283 544900 TECHNICAL HELPLINE: 01283 495334 EMAIL: concrete@bison.co.uk</p>
COMPLETION OF STRUCTURE		
Windows/louvres	EXTERNAL GROUND FLOOR WINDOWS	<p>Manufacturer and reference:</p> <p><u>NORDAN SYSTEM ALUMINIUM CLAD TIMBER WINDOWS</u></p> <p>CONTACT: NorDan UK, Maitland Road, Lion Barn Business Park, Needham Market, Ipswich, Suffolk, IP6 8NZ (Tel : 01449 722922).</p> <p>- BOTTOM HUNG/ OPEN IN WINDOW/ HUNG ON HINGES ONLY OPENED VIA ELECTRIC ACTUATOR - FIXED LIGHT – FA GLAZED WINDOW - OPEN OUT DOOR - U1</p>
	EXTERNAL 1 ST FLOOR WINDOWS	<p>Manufacturer and reference:</p> <p><u>NORDAN SYSTEM ALUMINIUM CLAD TIMBER WINDOWS</u></p> <p>CONTACT: NorDan UK, Maitland Road, Lion Barn Business Park,</p>

		<p>Needham Market, Ipswich, Suffolk, IP6 8NZ (Tel : 01449 722922).</p> <p>- TILT & TURN OPEN IN WINDOW - FIXED LIGHT – FA GLAZED WINDOW</p>
	CLERESTOREY IN ATRIUM	<p>Manufacturer and reference:</p> <p><u>NORDAN SYSTEM ALUMINIUM CLAD TIMBER WINDOWS</u></p> <p>CONTACT: NorDan UK, Maitland Road, Lion Barn Business Park, Needham Market, Ipswich, Suffolk, IP6 8NZ (Tel : 01449 722922).</p> <p>- BOTTOM HUNG/ OPEN IN WINDOW/ HUNG ON HINGES ONLY OPENED VIA ELECTRIC ACTUATOR</p>
	INTERNAL WINDOWS	<p>Manufacturer and reference:</p> <p><u>LEADERFLUSH SHAPLAND LTD, INTERIOR SCREENS</u> FIRE PERFORMANCE: 30 MINUTES INTEGRITY. ACOUSTIC PERFORMANCE: NOT REQUIRED. BEAD SYSTEM: HARDWOOD SCREEN BEAD, SCREWED AND PELLETED, FINISH TO MATCH FRAME. SIZE AND POSITION OF APERTURE(S): AS PER INTERIOR ELEVATIONS. GLASS: 7MM PYRODUR PLUS CLEAR. FRAME: BARUM 44MM SECTION FRAME. MATERIAL: MAPLE.CLASS (TO BS EN 942) FINISH AS DELIVERED: HYALUX CLEAR LACQUER.</p> <p>CONTACT: Leaderflush+Shapland Ltd Milnhay Road Langley Mill Nottingham NG16 4AZ Area Sales Manager: Ian Martin MOB: 07843 069724 ian.martin@leaderflushshapland.co.uk</p>
Doors	INTERNAL DOORS	<p>Manufacturer and reference:</p> <p><u>-INTERIOR VENEERED DOORSETS.</u> LEADERFLUSH+SHAPLAND DESIGNER RANGE OR EXTENDED PERFORMANCE. Fire performance: FD30+60 Smoke control: REQUIRED FOR DOORSETS IDENTIFIED ON SCHEDULE Sound reduction: TBC Core: ENDURACORE OR AUDIODOR</p> <p><u>-INTERIOR VENEERED DOORS WITH GLAZED SIDE SCREENS.</u> LEADERFLUSH+SHAPLAND DESIGNER RANGE OR EXTENDED PERFORMANCE. Fire performance:</p>

		<p>FD30+60 Smoke control: REQUIRED FOR DOORSETS IDENTIFIED ON SCHEDULE Sound reduction: TBC Core: ENDURACORE OR AUDIODOR</p> <p><u>-INTERIOR POSTFORMED HYGIENIFORM PVC FACED DOORSETS</u> LEADERFLUSH+SHAPLAND DESIGNER RANGE OR EXTENDED PERFORMANCE. Fire performance: FD30+60 Smoke control: REQUIRED FOR DOORSETS IDENTIFIED ON SCHEDULE Core: ENDURACORE SEVERE DUTY</p> <p><u>-INTERIOR PAINTED DOORSETS.</u> LEADERFLUSH+SHAPLAND DESIGNER RANGE. Fire performance: FD30+60 Smoke control: REQUIRED FOR DOORSETS IDENTIFIED ON SCHEDULE Sound reduction: TBC Core: ENDURACORE SEVERE DUTY</p> <p>CONTACT: Leaderflush+Shapland Ltd Milnhay Road Langley Mill Nottingham NG16 4AZ Area Sales Manager: Ian Martin MOB: 07843 069724 ian.martin@leaderflushshapland.co.uk</p>
Doors	EXTERNAL DOORS	<i>(See ground floor external windows)</i>
Access floors		RAISED ACCESS FLOORS TO 1 ST FLOOR ATRIUM CIRCULATION
Balustrade		Manufacturer and reference WITH 38mm DIA TIMBER TOPRAIL
Ceilings	CEILING CLOUDS	<p>Manufacturer and reference:</p> <p><u>BRITISH GYPSUM - ARTECO RIGITONE ACOUSTIC CEILING ON CASOLINE MF SYSTEM</u> SUSPENSION SYSTEM_ HANGERS: GYPFRAME MF8 STRAP HANGER OR GYPFRAME GA1 STEEL ANGLE. TOP FIXINGS: GYPFRAME MF12 SOFFIT CLEATS. PRIMARY GRID: GYPFRAME MF7 CHANNELS 1000 MM CENTRES, SUSPENDED FROM HANGERS AT 900 MM CENTRES. SECONDARY GRID: GYPFRAME MF5 SECTIONS AT NOMINAL 330 MM CENTRES, FIXED TO PRIMARY GRID WITH GYPFRAME MF9 CLIPS. PERIMETERS: GYPFRAME MF6A CHANNEL. LININGS: RIGITONE 8-15-20 SUPER BOARDS INSULATION: 75MM ISOWOOL TS48 SLAB INSULATION.</p> <p>CONTACT: TECHNICAL ENQUIRIES EMAIL: bgtechnical.enquiries@bpb.com TEL: 08705 456 123 (+44 8705 456 123) FAX: 08705 456 356 (+44 8705 456 356) SALES</p>

		TEL: 0800 225225 FAX: 0115 984 2244
	ATRIUM CEILING	Manufacturer and reference: <ul style="list-style-type: none"> RHEINZINK STANDING SEAM ZINC ROOF COVERING 100mm KINGSPAN KOOLTHERM ROOFBOARD TIMBER FLITCH BOW STRING TRUSSES (<i>See engineers specification</i>) 38mm PINE STRIPS WITH FIRE-RESISTING TREATMENT <p>CONTACT: Rheinzink RHEINZINK U.K. Cedar House, Cedar Lane Frimley, Camberley UK - Surrey GU16 7HZ T: +44 (1276) 68 67 25 F: +44 (1276) 6 44 80 E: info@rhein-zink.co.uk</p> <p>CONTACT: Kingspan Insulation Ltd Pembridge Leominster Herefordshire HR6 9LA Telephone: 0870 850 8555 Fax: 0870 850 8666 email: info.uk@insulation.kingspan.com Web: www.insulation.kingspan.com</p>
Rooflights		Description: TRIANGULAR FIXED ROOFLIGHTS <p>CONTACT: The Rooflight Company Wychwood Business Centre Milton Road Shipton-under-Wychwood Oxfordshire OX7 6XU Tel: 00 44 (0) 1993 833108 Fax: 0044 (0)1993 831066</p>
FINISHES		
Internal wall finishes	PAINT	Manufacturer and reference: DULUX TRADE VINYL SOFT SHEEN <p>CONTACT: Dulux ICI Paints Wexham Road Slough SL2 5DS Tel: 0870 444 1111 www.dulux.co.uk</p>
	CERAMIC TILING	Manufacturer and reference: TOPPS TILE METRO TILE <p>CONTACT: Topps Tiles Plc, Thorpe Way Grove Park, Leicester, LE19 1SU Telephone 0116 282 8000</p>

		<p>Fax 0116 282 8100</p> <p>100 X 200mm CERAMIC TILE</p>
Floor finishes: flexible sheets	RUBBER FLOORING	<p>Manufacturer and reference: NORA Areas: 25% OF TEACHING AREAS, WCs, STORES,</p> <p>CONTACT: nora flooring systems UK Ltd. Eagle House, Bilton Way Off Leicester Road, Lutterworth, Leics. LE17 4 HJ Tel.: (+44) 1455 - 200500 Fax.: (+44) 1455 - 556529</p> <p><u>NORAPLAN@ STONE/ 149</u> ROLLS (ART. 149): WIDTH: 1220 MM. LENGTH: 15 M. THICKNESS: 2 MM]. COLOUR: TBC</p> <p><u>NORAPLAN@ STONE ACOUSTIC/ 148</u> ROLLS (ART. 148): WIDTH: 1220 MM. LENGTH: 12 M. THICKNESS: 4MM COLOUR: TBC</p>
	VINYL FLOORING	<p>Manufacturer and reference: ALTRO Areas: KITCHEN</p> <p>CONTACT: Altro Limited Works Road, Letchworth Garden City, Hertfordshire, SG6 1NW Tel: +44(0)1462 707600 Fax: +44 (0)1462 707515 Email: enquiries@altro.com</p> <p><u>STRONGHOLD 30</u> ROLLS: WIDTH: 2 M. LENGTH: 15 M. THICKNESS: 3MM COLOUR: TBC</p>
Floor finishes: carpet		<p>Manufacturer and reference: TRETTFORD ROLL</p> <p>Areas: 75% OF TEACHING AREAS</p> <p>CONTACT: Tretford Carpets www.tretford.com</p> <p>UK representative: Joseph Hamilton & Seaton Ltd. Relay Park, Relay Drive, Tamworth, Staffordshire, B77 5PR, England</p>

		<p>Tel: + 44 1827 831400 Web: www.jhscarpets.com Contact: Sandra Meek.</p> <p><u>TRETFORD ROLL</u> CARDED FIBRES FORMED INTO A CONTINUOUS CORRUGATION AND BONDED WITH PVC OR LATEX TO A HESSIAN BACKING. BS EN 1307 CLASSIFICATION: CATEGORY: TYPE 1. LEVEL OF USE CLASS: 33. LUXURY RATING CLASS: LC2. 80% GOAT HAIR,15% NYLON,5% VISCOSE. WIDTH: [2000 MM]. COLOUR: TBC.</p>
<p>Timber Flooring</p>		<p>Manufacturer and reference: JUNKERS NEW ERA UNOBAT CRADLE SYSTEM</p> <p>CONTACT: Junckers Ltd Unit 1 Wheaton Road, Witham, Essex, CM8 3UJ Tel No 0044 1376 534710 Fax No 0044 1376 514401 E mail sales@junckers.co.uk Web www.junckers.com</p> <p><u>NEW ERA UNOBAT CRADLE SYSTEM</u> (Under floor Heating)</p> <ul style="list-style-type: none"> • JUNCKERS NEW ERA UNOBAT LEVELLING SYSTEM • 45MM WIDE BY 1800MM LONG TREATED JUNCKERS SOFTWOOD BATTENS, TO BE REGULARISED AND GLUED TO TOP PACKER OR CRADLE. • LOAD BEARING CAPACITY 5.0KN/M2. • SURFACE TOLERANCE FLATNESS OF NO MORE THAN A 3MM GAP SHOWING UNDER A 2M STRAIGHT EDGE. • HEAT DISTRIBUTION PLATES TO BE NAILED TO BATTENS BY UNDER FLOOR HEATING INSTALLED • RIGID INSULATION CUT TO SIZE AND LAID BETWEEN CRADLE SUPPORTS AND UNDER BATTENS. SOFT INSULATION ABOVE THE RIGID INSULATION AND UNDER HEAT DISTRIBUTION TRAYS (ALL BY UNDER FLOOR HEATING SUPPLIER). • JUNCKERS INTERLAY CARDBOARD FELT UNDERLAY TO BE INSTALLED ON TOP OF THE HEAT DISTRIBUTION PLATES. • JUNCKERS SYLVATHENE TO BE INSTALLED ON TOP OF THE CEMENTITIOUS BASE. • JUNCKERS SOLID PRE-FINISHED HARDWOOD, FREE FROM DECAY AND INSECT ATTACK. PLANED ALL ROUND. CONSISTING OF TWO ROWS OF STAVES WITH UNIQUE DOUBLE DOVETAIL CONSTRUCTION. • POLYBACK, POLYTHENE OR LACQUER MOISTURE BALANCER, FITTED TO THE UNDERSIDE. <p>Note: Minimum construction height 75mm.</p>

<p>Stair finishes</p>		<p>Manufacturer and reference: TRETTFORD ROLL (See floor finishes carpet) / GRADUS STAIR NOSING & EDGING</p> <p>CONTACT: Tretford Carpets www.tretford.com</p> <p>UK representative: Joseph Hamilton & Seaton Ltd. Relay Park, Relay Drive, Tamworth, Staffordshire, B77 5PR, England Tel: + 44 1827 831400 Web: www.jhscarpets.com Contact: Sandra Meek.</p> <p>CONTACT: Gradus Accessories Park Green, Macclesfield, Cheshire, SK11 7LZ</p> <p>Tel: 01625 428 922 Fax: 01625 433 949 email: xt@gradusworld.com</p> <p>ALUMINIUM NOSING PROFILE: GXT51 INSERT: XTRA-GRIP PLUS SIDE TRIM: TXT42</p>
<p>Ceiling finishes</p>		
<p>Roof finishes</p>	<p>GREEN ROOF</p>	<p>Manufacturer and reference: ROOFLINE GREEN ROOF SYSTEM OR OTHERWISE</p> <p>CONTACT Roofline Southeast, Unit 6F Southbourne Business Park, Courtlands Road, Eastbourne, East Sussex BN22 8TR Tel: 0845 408 6002, Fax: 0845 408 6003, Email: southeast@roofline.co.uk</p> <p>Base: To British Code of Practice, minimum 1:80 falls Prime deck with Cefil Sureprime primer Vapour Control Layer: Material: Elastotorch V2.5 2.5mm thick, BBA approved, Reinforced SBS modified bitumen sheet Insulation: Protection Layer: n/a Attachment: Mechanically attached Waterproof membrane: BBA certified Cefil RP Overlap Membrane System for mechanically attached design. Thickness: 1.5mm Colour: Dark grey Attachment: Mechanically attached as clause 510A Protection layer: n/a Cefil Bio-diverse Ecoroof:</p>

		Water retention and drainage layer Filtration layer Base Aggregate layers Blended Bio-diverse substrate Water management layers Surface layers Surface finish Over seeding
SERVICES – MECHANICAL		
SERVICES – ELECTRICAL		
Lifts		<p>Manufacturer and reference: KONE MONOSPACE ELEVATOR</p> <p>CONTACT: KONE Plc Unit 1 Gemini Business Park South Crescent Cody Road London E16 4TL Tel: 08451 999 999 Email: sales.marketinguk@kone.com</p> <p>GENERAL INFORMATION Standards: EN81-1 + EN81-70 ACCESSIBILITY Group size: 1 Speed: 1.0 m/s Load: 630 kg Type: PASSENGER ELEVATOR Travel height: 3.6 m Number of landings: 2 Number of entrances: 2</p> <p>MACHINE Location of machine: INSIDE THE SHAFT</p> <p>SHAFT SPECIFICATION Shaft dimensions: 2000 mm (WIDTH) x 1700 mm (DEPTH) Overhead: 3600 mm Pit: 1150 mm</p> <p>LANDING DOORS Door Type: 2-PANEL CENTRAL OPENING Size: 900 mm (WIDTH) x 2100 mm (HEIGHT) Landing type: FRAME Machine Access Panel location: MOUNTED ON DOOR FRAME Machine Access Panel floor: HIGHEST (LANDING) FLOOR</p> <p>CAR Car Type: SINGLE ENTRANCE CAR Dimensions: 1100 mm (WIDTH) x 1400 mm (DEPTH) Interior Design: PACK 5 SPRING 0051</p> <p>COP FEATURES Green button: GREEN COLLAR ON BASE FLOOR BUTTON Braille text: BRAILLE TAG</p> <p>SAFETY FEATURES ABE C: ALARM BELL ON TOP OF THE CAR FID BO: FIRE DETECTION SRC RNC: CURTAIN OF LIGHT</p>

		<p>EN81-73: BEHAVIOUR OF LIFTS IN THE EVENT OF FIRE</p> <p>PASSENGER COMFORT FEATURES OCL A: OPERATION OF CAR LIGHT ADO: ADVANCED DOOR OPENING ACL B: ACCURATE RELEVELING, AUTOMATIC Knock and Feel: OPTION TO REDUCE THE VIBRATION NOISE LOA M: AUTOMATIC CAR DOOR LOCK</p> <p>CONTROL FEATURES BLF: BYPASS LOAD FUNCTION</p> <p>INFORMATION FEATURES ACU F: ELEVATOR ANNOUNCER</p> <p>OTHER FEATURES LED: LED LIGHTS</p>
FITTINGS		
Sanitary and bathroom fittings	WET PLAY SINKS	<p>Manufacturer and reference: ARMITAGE SHANKS CERAMAS INSET FIRECLAY SINGLE</p> <p>CONTACT: Armitage Shanks Armitage Rugeley Staffordshire WS15 4BT Tel: 01543 490253 Fax: 01543 491677</p> <p>BOWL SQUARE SINK 47CM, WITH CHROME PLATED 1.1/2IN BASKET STRAINER WASTE AND TRAP. Taps: A5410(AA) CERAMIX ALTO MONOBLOCK BASIN MIXER, SINGLE LEVER, POP-UP WASTE Mixer valve-bsn: S7435(AA) NUASTYLE 1/2" UNDER BASIN THERMOSTATIC VALVE, ANTI-TAMPER SHIELD, INLETS FOR 15MM COPPER, OUTLET 1/2" BSP FEMALE. (CONFORMS TO THE REQUIREMENTS OF THE THERMOSTATIC MIXING VALVE SCHEME FOR TYPE 3 VALVES -TMV3)</p>
	LOW LEVEL WASHTROUGHS	<p>Manufacturer: ARMITAGE VENESTA/ ARMITAGE SHANKS</p> <p>CONTACT: Armitage Venesta Chartwell Court West Mill Imperial Business Park Gravesend Kent DA11 0DL Telephone 01474 353333 Facsimile 01474 533558</p> <p>CONTACT: Armitage Shanks Armitage Rugeley Staffordshire WS15 4BT Tel: 01543 490253</p>

		<p>Fax: 01543 491677</p> <p><u>WASHING TROUGHS PRE-PLUMBED UNIT TAPS & WASTE FACTORY FITTED AND SEALED TO THE WASH TROUGH BY ARMITAGE VENESTA UNLESS STATED.</u></p> <p><u>WASH TROUGH:</u> ARMITAGE VENESTA 0660002 POLISHED STAINLESS STEEL 2/3 PERSON WASH TROUGH 1400/2000MM LONG WITH INDIVIDUAL STRAINER WASTE OUTLETS. (SUPPLIED LOOSE FOR SITE FITTING)</p> <p><u>TAPS:</u> ARMITAGE SHANKS S7241 AVON 1/2" CHROME PLATED SELF CLOSING WALL MOUNTED BIB TAP, 165MM PROJECTION, WITH ALTERNATIVE ANTISPLASH OR AERATOR OUTLET. (2NO)</p> <p><u>TRAP:</u> ARMITAGE SHANKS S8920 1 1/4" PLASTICS RE-SEALING BOTTLE TRAP WITH 75MM SEAL. (2NO)</p> <p><u>VALVE:</u> ARMITAGE SHANKS S7435 NUASTYLE 15MM UNDER BASIN THERMOSTATIC MIXING VALVE.</p> <p><u>OPTION:</u> 13MM THICK COMPACT LAMINATE FRONT PANEL TO CONCEAL TRAPS & FITTINGS, REFER TO ARMITAGE VENESTA FOR STANDARD LAMINATE COLOUR RANGE, DIGITAL PRINT IS ALSO AVAILABLE AT AN EXTRA COST.</p>
	<p>WC & CISTERN</p>	<p>Manufacturer: ARMITAGE VENESTA/ ARMITAGE SHANKS</p> <p>CONTACT: Armitage Venesta Chartwell Court West Mill Imperial Business Park Gravesend Kent DA11 0DL Telephone 01474 353333 Facsimile 01474 533558</p> <p>CONTACT: Armitage Shanks Armitage Rugeley Staffordshire WS15 4BT Tel: 01543 490253 Fax: 01543 491677</p> <p><u>WC/PREPLUMBED PANEL FOR FULLY AMBULANT AND AMBULANT DISABLED USERS:</u> SANITARY APPLIANCES PRE-FIXED AND SEALED TO IPS EVOLVE UNIT BY ARMITAGE VENESTA UNLESS STATED ELSEWHERE.</p> <p><u>WC ARRANGEMENT:</u> BACK TO WALL WC WITH CONCEALED CISTERN.</p> <p><u>PAN:</u> ARMITAGE SHANKS S3058 CONTOUR 21 RIMLESS VITREOUS CHINA BACK TO WALL PANEL MOUNTED WC (SUPPLIED AS A LOOSE ITEM). HTM64 WC H</p> <p><u>SEAT:</u> ARMITAGE SHANKS S406501 CONTOUR 21 SEAT AND COVER WITH STAINLESS STEEL ROD AND TOP FIXING HINGES, COLOUR WHITE</p> <p><u>PAN CONNECTOR:</u> ARMITAGE SHANKS S4305 (CONVERTS TO P TRAP)</p>

		<p><u>CISTERN/FLUSH PIPE:</u> ARMITAGE VENESTA DUAL FLUSH S364367 CONCEALA PLASTIC CONCEALED CISTERN WITH INTERNAL OVERFLOW. S430267 FLUSHPIPE.</p> <p><u>FLUSH VOLUME</u> (4.5/3LTR).</p> <p><u>VALVE/FLOAT/OPERATING MECHANISM:</u> ½” MICROVALVE HP/LP BALLVALVE, S4397AA ARMITAGE SHANKS BRANDED DUAL FLUSH PLATE, CHROME PLATED.</p> <p><u>OTHER ACCESSORIES:</u> ARMITAGE SHANKS S4505 SIMPLA INLET CONNECTOR.</p>
	<p>WC & CISTERN FOR DISABLED AND WHEELCHAIR USERS.</p>	<p>Manufacturer: ARMITAGE VENESTA/ ARMITAGE SHANKS</p> <p>CONTACT: Armitage Venesta Chartwell Court West Mill Imperial Business Park Gravesend Kent DA11 0DL Telephone 01474 353333 Facsimile 01474 533558</p> <p>CONTACT: Armitage Shanks Armitage Rugeley Staffordshire WS15 4BT Tel: 01543 490253 Fax: 01543 491677</p> <p><u>WC/PREPLUMBED PANELFOR AMBULANT DISABLED/ WHEELCHAIR USERS:</u> SANITARY APPLIANCES PRE-FIXED AND SEALED TO IPS EVOLVE UNIT BY ARMITAGE VENESTA UNLESS STATED ELSEWHERE.</p> <p><u>WC ARRANGEMENT:</u> BACK TO WALL WC WITH CONCEALED CISTERN.</p> <p><u>PAN:</u> ARMITAGE SHANKS S3053 CONTOUR 21 RIMLESS VITREOUS CHINA BACK TO WALL FLOOR MOUNTED WC 750MM PROJECTION (SUPPLIED AS A LOOSE ITEM).</p> <p>AMITAGE SHANKS S6884 CUSHIONED BACK SUPPORT WITH CLIPS.</p> <p><u>SEAT:</u> ARMITAGE SHANKS S406636 CONTOUR 21 SEAT ONLY, NO COVER WITH STAINLESS STEEL ROD AND CHROME PLATED METAL PILLAR HINGES, TOP FIX, COLOUR BLUE.</p> <p><u>PAN CONNECTOR:</u> ARMITAGE SHANKS S4305 (CONVERTS TO P TRAP)</p> <p><u>CISTERN/FLUSH PIPE:</u> ARMITAGE VENESTA EEM13590167 CONCEALA PLASTIC CONCEALED CISTERN WITH INTERNAL OVERFLOW. S430267 FLUSHPIPE.</p> <p><u>FLUSH VOLUME:</u> 4.5 / 3 LITRES</p> <p><u>VALVE/FLOAT/OPERATING MECHANISM:</u> ½” MICROVALVE HP/LP BALLVALVE, S4397AA ARMITAGE SHANKS BRANDED DUAL FLUSH PLATE, CHROME PLATED. OTHER</p> <p><u>ACCESSORIES:</u> ARMITAGE SHANKS S4505 SIMPLA INLET CONNECTOR.</p>
	<p>LOW LEVEL WC & CISTERN</p>	<p>Manufacturer: ARMITAGE VENESTA/ ARMITAGE SHANKS</p>

		<p>CONTACT: Armitage Venesta Chartwell Court West Mill Imperial Business Park Gravesend Kent DA11 0DL Telephone 01474 353333 Facsimile 01474 533558</p> <p>CONTACT: Armitage Shanks Armitage Rugeley Staffordshire WS15 4BT Tel: 01543 490253 Fax: 01543 491677</p> <p><u>WC/PREPLUMBED PANEL:</u> SANITARY APPLIANCES PRE-FIXED AND SEALED TO IPS EVOLVE UNIT BY ARMITAGE VENESTA UNLESS STATED ELSEWHERE. <u>WC ARRANGEMENT:</u> CHILDS HEIGHT BACK TO WALL WC WITH CONCEALED CISTERN. <u>PAN:</u> ARMITAGE SHANKS S3047 CONTOUR 21 OPEN RIM SCHOOLS WC PAN 355MM HIGH VITREOUS CHINA BACK TO WALL FLOOR MOUNTED WC (SUPPLIED AS A LOOSE ITEM). <u>SEAT:</u> ARMITAGE SHANKS S405901 WHITE STANDARD CONTOUR 21 BOTTOM FIX SEAT, NO COVER. <u>PAN CONNECTOR:</u> PANEKTA PAN CONNECTOR REF: S4305 (CONVERTS TO P TRAP). <u>CISTERN/FLUSH PIPE:</u> ARMITAGE SHANKS CONCEALA 2 DUAL FLUSH S364367 PLASTIC CONCEALED CISTERN WITH INTERNAL OVERFLOW. EEM35460367 FLUSHPIPE. <u>FLUSH VOLUME:</u> (4.5/3LTR) LITRES <u>VALVE/FLOAT/OPERATING MECHANISM:</u> ½" MICROVALVE HP/LP BALLVALVE, S4397AA ARMITAGE SHANKS BRANDED DUAL FLUSH PLATE, CHROME PLATED <u>OTHER ACCESSORIES:</u> ARMITAGE SHANKS S4505 SIMPLA INLET CONNECTOR.</p>
	WASHBASINS	<p>Manufacturer: ARMITAGE SHANKS</p> <p>CONTACT: Armitage Shanks Armitage Rugeley Staffordshire WS15 4BT Tel: 01543 490253 Fax: 01543 491677</p> <p><u>WASH BASIN:</u> ARMITAGE SHANKS S2122 CONTOUR 21 370MM HAND RINSE BASIN, CENTRE TAPHOLE NO OVERFLOW OR CHAIN HOLE. <u>TAPS:</u> ARMITAGE SHANKS A4131 CONTOUR 21 BASIN MIXER THERMOSTATIC SEQUENTIAL, LONG LEVER, CHROMIUM PLATED. <u>WASTE:</u> ARMITAGE SHANKS S8720 1 1/4 INCH BRASS STRAINER WASTE, CHROMIUM PLATED. <u>TRAP:</u> ARMITAGE SHANKS S8900 1 ¼ INCH</p>

		BOTTLE TRAP, 75MM SEAL, CHROMIUM PLATED. <u>DRAIN VALVE:</u> ARMITAGE VENESTA REF 0162157 DRAIN VALVE. <u>OTHER ACCESSORIES:</u> ARMITAGE SHANKS S9110 CONCEALED HANGERS.
	SHOWER	Manufacturer: ARMITAGE SHANKS CONTACT: Armitage Shanks Armitage Rugeley Staffordshire WS15 4BT Tel: 01543 490253 Fax: 01543 491677 <u>UNIVERSAL ACCESS SHOWER ROOM PACK :</u> SHOWER ROOM PACK WITH FOLDING SHOWER SEAT AND BACK SUPPORT IN GREY, 3 GRAB RAILS 60CM, 2 HINGED RAILS AND A MULTI SYSTEM 45CM HANDRAIL IN BLUE, LEVER OPERATED THERMOSTATIC MIXER FOR CONCEALED SUPPLIES, MULTI SYSTEM HANDSET HOLDER, HANDSET AND HOSE, FIXED SHORT PROJECTION SHOWER HEAD, LEVER OPERATED DIVERTER, 1200MM X 1200MM SHOWER CURTAIN, ANGLE RAIL AND SCREW TO WALL CLOTHES HOOK.
EXTERNAL WORKS		
Minor buildings	EARLY YEARS STORAGE AND BICYCLE SHED	Manufacturer and reference: TIMBER POSTS WITH METAL PANEL AND COLOURED GRP CLADDING
Enclosures: fencing, gates etc.	EARLY YEARS PLAYGROUND FENCING	Manufacturer and reference: 1500mm HIGH BOARDED TIMBER FENCING
Landscaping	MUGA	Manufacturer and reference: 40x25m MUGA BASED ON THE FOOTBALL ASSOCIATION GUIDE FOR INDOOR AND OUTDOOR AREAS WITH 5m WIDE GOALS CONTACT: Wicksteed Playscapes Andrew Smith Mob:07850 751378 Surface: 25mm OPEN TEXTURED POROUS TARMAC ON 40mm OPEN TEXTURED BASE ON 150mm TYPE 1 HARDCORE FENCING TO BE 4m HIGH MADE UP OF 2m HEAVY DUTY AT THE BOTTOM AND 2m MEDIUM DUTY AT THE TOP. ALL FENCING WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE APPROPRIATE SECTIONS OF BS 1722. UNLESS SPECIFIED OTHERWISE MESH SHALL BE 50mm SQUARE WELD MESH, CORNER POSTS SHALL BE HOLLOW SECTION MEASURING 60mm x 60mm x 3mm AND INTERMEDIATE POSTS SHALL MEASURE 60mm x 40mm x 3mm. ALL POSTS SHALL BE SET IN CONCRETE FOOTINGS. ALL MESH AND POSTS SHALL BE GALVANISED IN ACCORDANCE WITH BS EN ISO 1461. WELDED MESH FENCES SHALL CONFORM TO BS 443
	JUNIOR	Manufacturer and reference: 25mm OPEN TEXTURED

	PLAYGROUND	POROUS COLOURED TARMAc ON 40mm OPEN TEXTURED BASE ON 150mm TYPE 1 HARDCORE
	EARLY YEARS PLAYGROUND	Manufacturer and reference: 25mm OPEN TEXTURED POROUS COLOURED TARMAc ON 40mm OPEN TEXTURED BASE ON 150mm TYPE 1 HARDCORE. 20mm PLAYFALL WETPOUR ON MOT1 BASE
External Canopy		<p>Manufacturer and reference: COLOURED GRP PROFILE SHEET SUPPLIED BY BRETT MARTIN DAYLIGHT SYSTEMS</p> <p>CONTACT http://www.daylightsystems.com/ Phone:02476602022 Email:daylightsystems@brettmartin.com</p> <p>SUPPORT STRUCTURE 150-225 GALVANISED CSH COLUMNS SUPPORTING METSEC MD30 CAMBERED LATICE BEAMS AND 60 x 40 mm RHS PURLINS.</p> <p>ALL DRAINAGE AND SERVICES CONCEALED WITHING STRUCTURE.</p>