

	<p><b>SECTION C7 – ELECTRICAL WORKS</b></p> <p><b>MASTER SPECIFICATION &amp; SCHEDULE OF WORKS</b></p> <p><b>For</b></p> <p><b>NELSON COURT DRAKE COURT, GRENVILLE COURT AND RODNEY COURT</b></p> <p><b>PROJECT ADMIRAL</b></p>	£	p
	<b>total collection</b>		

		£	p
	<div style="border: 1px solid black; padding: 5px; text-align: center;">SECTION C7 – Electrical Works</div> <p><b>SUB SECTION GENERAL NOTES:</b></p> <p>i. All electrical work to which the requirements of Part P (Electrical Safety) apply, will be designed, installed, inspected and tested by a person competent to do so. Prior to completion of works the Local Authority must be satisfied that either:-</p> <p style="padding-left: 40px;">An Electrical Certificate issued under a ‘Competent Persons’ Scheme has been issued; or Appropriate Certificate and Forms defined in BS 7671 (as amended) have been submitted that confirm that the work has been inspected and tested by ‘a competent person’ will have a sound knowledge and suitable experience relevant to the nature of the work undertaken and to the technical standards set out in BS 7671, be fully versed in the inspection and testing procedures contained in the Regulations and employ adequate testing equipment.</p> <p>ii. The contractor shall make reference to Section C1 – Asbestos Identification and Removal Works. It is assumed that existing floor tiles / adhesive below existing storage heaters contains asbestos. Area around storage heater ‘feet’ are to be made safe prior to any removal works.</p> <p>iii. All access control equipment to be installed in accordance with BS8300.</p> <p><b>Provide New Electric Space Heating System Shall Mean:</b></p> <p><i>Location: To all flats</i></p> <p>a) Prior to commencement of works to each flat the contractor shall test the existing heating circuits to ascertain whether the existing electrical circuits are in satisfactory condition for the proposed new electrical heating system.</p> <p>b) Allow to remove existing electric heating system emitters (storage heaters, panel heaters, downflow heaters, heated towel rails etc).</p> <p>c) Supply and install new Dimplex Quantum Storage Heaters or equal and approved as follows:</p> <p style="padding-left: 40px;">i. Bedrooms ii. Living room iii. Hallway</p> <p>d) Allow for storage heater within additional bedroom for 2 bed flats.</p> <p>e) Supply and install new Dimplex downflow heater to bathroom &amp; kitchen.</p> <p>f) Supply and install new Dimplex electric heated towel rail to bathroom. Allow to alter and extend electrical circuits to provide new connection.</p>		
7.1			
	<b>total collection</b>		

		£	p
	<p>All to be installed within white mini trucking and run to corners of walls, ceiling and along skirting boards.</p> <p>g) Install all new storage heaters and downflow heaters to same location as existing. Allow to alter and extend circuits as necessary to provide complete installation.</p> <p>h) The contractor shall be responsible for sizing all storage heaters and shall take due regard of the proposed fabric improvement works proposed within this contract.</p> <p>i) For pricing purposes allow the following:</p> <p>1 x QM070 Hallway 1 x QM125 Bedroom 1 x QM150 Lounge 1 x FX20VE Kit Downflow 1 x FX20EIXP4 Bath Downflow 1 x TTRS120W Bath Towel Rail c/w FSCW Dimplex timer</p> <p>Allow additional QM125 storage heater for 2<sup>nd</sup> bedroom within 2 bed flats</p> <p>j) On completion, test and commission and set to work.</p>		
7.2	<p><b>Provide New Electrical Consumer Unit Shall Mean:</b></p> <p><i>Location: To all flats</i></p> <p>a) Supply and install to each flat 1no.metal clad 8-way electrical consumer unit by Wylex or equal and approved.</p> <p>b) Allow new MCBs and wire in all existing circuits.</p> <p>c) Consumer unit enclosure to be non-combustible in accordance with BS7671:2011 (3<sup>rd</sup> Amendment).</p> <p>d) Test on completion and provide certification to CA.</p>		
7.3	<p><b>Provide Duct For Extract Fans Shall Mean:</b></p> <p><i>Location: kitchen and bathroom</i></p> <p>a) Supply and install General air conditioning and ventilation ductwork constructed of galvanized mild steel and the standard of construction and materials of all ductwork, fittings, dampers, access doors, etc and connect into proposed extract fan manufacturer's approved wall duct.</p>		
7.4	<p><b>Provide New Extract Fan to Kitchens Shall Mean:</b></p> <p><i>Location: To Kitchen as directed by CA</i></p> <p>a) Install stainless steel cooker hood Duty: 60l/s (3-speed settings) c/w 100mm x 100mm ducting, duct transformation pieces, 2 lights, 3 speed control setting, washable metallic grease filter(s), carbon filter(s), stainless steel chimney etc. and all other ancillaries required to make a</p>		
total collection			

		£	p
	full and complete installation. Exact location of fan to be agreed on site.		
7.5	<p><b>Provide New Extract Fan to Bathroom Shall Mean:</b>  <i>Location: to bathroom as directed by CA</i></p> <p>a) Install Surface Mounted Intermittent Extract Fan Duty: Greenwood P fan or equal and approved 25l/s (high rate) @ 30pa esp c/w 100 x 100mm ducting and wall grille. Wall grille termination point to be at least 300mm from any background ventilator. Wall grille colour to be agreed with architect. Fan to be suitable for long duct runs. Fan to be activated via integral humidistat and run on timer. Exact location to be agreed on site with engineer.</p>		
7.6	<p><b>Provide AOV System Shall Mean:</b>  <i>Location: Refer to Appendix B</i></p> <p>a) Supply and install AOV system in accordance with specification within Appendix B. Final configuration and commissioning works to be undertaken by SE Controls Ltd or equal and approved.</p> <p>b) Provide all electrical works. Allow for all cabling, containment etc to complete the works. Test on completion.</p>		
7.7	<p><b>Extend Access Control System Shall Mean:</b>  <i>Location: Refer to Appendix B</i>  <i>Drawings: TBC</i></p> <p>a) Alter and extend existing access control system to incorporate new entry panel c/w integrated fob reader to proposed entrance lobby structures and new electronic locking devices as detailed on the proposed door elevation drawings.</p> <p>b) Works to be undertaken by Openview Security Solutions Ltd or equal and approved, contact Allen Shaw Tel: 0845 071 9115, to obtain a quotation.</p> <p>c) Within the tender period the main contractor shall arrange for Openview to visit site, survey the existing system and provide a quotation for the works. Main contractor shall be responsible for providing Openview with details of the proposed scope of works and design drawings to enable a quotation to be prepared.</p> <p>d) Note – existing entrance doors and entry panels are to be retained and will become inner lobby doors on completion. Door entry system is to be configured so that an 'air lock system' is in operation e.g. internal lobby door only opens when new main entrance door is in the locked position.</p> <p>e) Door panels to be flush stainless DDA panels c/w integrated fob readers. Provide push to exit buttons and green break glass units internally c/w protective covers</p> <p>f) Door locking magnets to be provided by door contractor, allow to make connection to the electronic locking devices.</p>		
<b>total collection</b>			

		£	p
7.8	<p>g) Openview to test the system and commission the system on completion.</p> <p>h) Provide all electrical supplies for new access control equipment including all cabling and containment etc to provide a complete installation. Test on completion.</p> <p><b>Provide Electrical Supply to Powered Door Operators Shall Mean:</b></p> <p><i>Location: Refer to Appendix B</i>  <i>Drawings: TBC</i></p>		
7.9	<p>a) Provide new electrical supply to proposed door operators on doors DG01 &amp; DG07. Allow all cabling, containment etc to complete the works.</p> <p><b>Provide New Lighting To Communal Areas Including Shall Mean:</b></p> <p><i>Location: Refer to Appendix B</i>  <i>Drawings: TBC</i></p> <p>a) Isolate existing services and strip out all lighting circuits back to consumer unit. Remove all old fittings and back boxes, etc and clear from site. Install lighting circuits complete with MK moulded flush mounted switched fittings and fused isolators in white.</p> <p>b) Install and connect in new LED Light fittings as identified on Lighting Design provided by Rexel and included within this tender package. This to include Emergency Light fittings</p> <p><b>Note:</b> All wiring to be compliant with Regulations for the Electrical Equipment of Building issued by the IEE (17th Edition) Contractor to provide completion certificate to C.A.</p> <p>(Allow a PC sum of £75.00 per fitting and for 15 new fittings per floor)</p> <p>All luminaires to be equipped with integral PEC and motion sensors, the luminaires shall be configured during commissioning to provide the following:</p> <ul style="list-style-type: none"> <li>• Lift lobby luminaires – lit to 10% of output and 100% output on activation for maximum period of 5 minutes.</li> <li>• Corridor luminaires – 1 out of every 3rd luminaire to be at 10% output unless activated. After a maxim time out provide of 5 minutes at 100% the luminaires will return to 10% and 0% respectively.</li> <li>• Stairwell luminaires – off when sufficient daylight is available, if insufficient natural light available then luminaires to be on 10% output, 100% output when activated. Luminaires to return to 10% after maximum of 5 minutes.</li> <li>• Other areas for example plantrooms, storage etc shall be provided via integral movement sensors with on/off control with switch off after 5 minutes if no motion is detected.</li> </ul>		
<b>total collection</b>			

7.10	<b>Provide New IRS (Integrated Reception Systems) to all Flats Shall Mean:</b>  <i>Location: Refer to Appendix B - Preambles and Specification for Building Services Section 11</i> <i>Drawings: TBC</i>  a) Isolate existing services and strip out existing TV system  b) The Contractor shall supply, install, test and commission a five cable Integrated Reception System, comprising four cables providing individual IF Polarities and one cable providing terrestrial frequencies between 88MHz and 862MHz through switching devices to a minimum of one position via two cables, in each flat.	£	p
	<b>total collection</b>		



		£	p
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	<div>total collection</div>		