ENTRY 35

SOUND IMAGE®

• Custom home theatre KEF M1 Single Stereo side ceiling speaker.
• 2 x pair Sonance Extreme XSSTR ceiling speakers.
• 2 x pair Sonance Extreme XT6B ceiling speakers.
• Custom Sonance Extreme Bi-Amp Speakers.
• Customised RTI Touch screens, RTI RF remotes and Dynasty lighting control panels.

LIGHTING

• 262 Dynalite control circuits.
• 12 x DSI Dimmed Florescent Circuits.
• 4 x 10A Dimmed Circuits.
• 4 x 4A Dimmed Circuits.
• 72 x 2A Dimmed Circuits.

CONTROL SYSTEMS

• 10 x Low Voltage relay control circuits.
• 160 x 10A Switched/Relay Circuits.
• 12 x DSI Dimmed Florescent Circuits.
• 3 x 1 way Crestron RF Expander controller.
• 2 x Weatherproof external occupancy sensors.
• 2 x Dynalite Wall mount occupancy sensors.
• 12 x Dynalite Ceiling mount panels.
• 44 x Dynalite DRP series, RGB LED lighting.
• 10 x Low Voltage relay control circuits.
• 10 x 12v Latching Smoke detectors.
• 13 x Paradox Detectors Vision expanders controller.
• 2 x pair Sonance Hi-Fi Rock ceiling speakers.
• 2 x pair Sonance Extreme XTR speaker.
• 2 x Sonance Extreme XSSTR 120 ceiling speakers.

A/V REMOTE PACKAGE

• AV2 Ethernet-based control panel.
• 3 x Concept 4000 Main Control Panels.
• 2 x Concept 4000 Touch pads.
• 2 x 10A Digital Input Switches.
• 120 x 10A Switched/Relay Circuits.
• 10 x Low Voltage relay control circuits.
• 10 x 12v Latching Smoke detectors.

SPEAKERS

• Sonance Extreme XT6B Single Stereo side ceiling speaker.
• 2 x pair Sonance Extreme XT6B ceiling speakers.
• 2 x pair Sonance Extreme Bi-Amp Speakers.

COMMISSIONING

• 1080P HD DLP Projector w/ Meridian Faroudja ME-MF1 processor.
• 17-inch LCD monitor.
• 2 x pair Sonance Hi-Fi Rock ceiling speakers.
• 2 x pair Sonance Extreme XTR speaker.
• 2 x Sonance Extreme XSSTR 120 ceiling speakers.

CARGO

• 2 x Concept universal big panel.
• 2 x Concept 4000 Touch pads.
• 2 x Weatherproof external occupancy sensors.
• 2 x Dynalite Ceiling mount occupancy sensors.
• 10 x 12v Latching Smoke detectors.

AIR CONDITIONING

• 7 x Exhaust fans and fresh air intakes.
• Garage frame extraction and ventilation system.

POWER FILTERS

• Surge protection devices.
• Full RF/Pay TV distribution points throughout the home.
• Full adaptable structured cabling system utilising RJ45 patching panel.

SECURITY

• Full RF/Pay TV distribution points throughout the home.
• Custom stainless steel integrated service panels to all locations where data and/or A/V connection points located.
• Full Gigabit IT network including switches, connection points and cabling system utilising RJ45 patching panel.
• Full RF/Pay TV distribution system including antennas, satellite dishes and systems.

OTHER

• Custom stainless steel integrated service panels to all locations where data and/or A/V connection points located.
• Full protective covers to all electrical installations and external locations.
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DEMO WORKS

• Foxtel installation.
• Electrical Works.

EXCLUSIONS

• Lighting works.
• Foxtel installation.
• Smart home solutions.

CONTROL SYSTEMS

• Keyless access.
• Garage and controlled doors.
• Control over automated gates.
• Full RF/Pay TV distribution points throughout the home.

CONTRIBUTORS

• Smart Home Solutions.
• Keyless access.
• Garage and controlled doors.
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OTHER

• Lighting works.
To refine and implement a general specification to exactly meet the clients expectations and budgetary requirements.

To design and implement the substantial technology systems incorporating Lighting Control, automation, security and audio visual package that would provide an exceptional level of integration for the owner with an emphasis on ‘ease of use’ and concealment of technology that complemented the clean and minimalist design and finishes.

To design and implement a lighting control system that would deliver and enhance a very complex lighting design that included colour mixing LED, neon, dimmable fluorescent, and a very diverse selection of fixtures.

At the core of the technology is a Dynalite lighting control system. This system facilitates the control of all lighting, blinds, motorised windows, air conditioning, exhaust fans, ventilation systems, floor heating and house music. The system was chosen for its exceptional capability to integrate into the numerous other systems contained in the project.

Overlaying this Dynalite system is a Crestron control system encompassing total home control including lighting, automation, access control, camera viewing, house music control and audio video control. The user interface to this Crestron system was 6” touch screens located on separate levels of the home and RTI RF remotes located in each of the AV locations.

The commercial grade security and surveillance system provides an exceptional level of security and the facility for considerable integration in the homes other systems. With camera feeds to the touch screens, TV locations and the PC’s within the home the client has been more than adequately provided with the “piece of mind” they were looking for.

Audio visual requirements were, with the exception of the Home Theatre, to be minimal and discreet.

The family room joinery contains all the house music system, local and shared sources, the viewing screen, the complete L/C/R and subwoofer speaker package. Being a completely freestanding unit this presented numerous challenges with relation to cabling, ventilation and the screen mount. Through detailed consultation with the interior designer a piece was created that was both technically functional and aesthetically suitable in the environment.

Paramount to the client was to create and provide a designated Home Theatre environment where the resulting audio visual quality was second to none. The inclusion on a Meridian system in this environment satisfied the client’s expectations more than adequately.

As part of the scope of works for this area the solution provider was engaged to provide the client with a complete acoustic design of the Home theatre room. This in conjunction with the high tech construction techniques utilised created a completely isolated room and the final acoustic calibration carried out by The solution provider produced a result without compromise.

The project, from design to completion, covered a period of 24 months with 3 design revisions prior to the commencement of wiring. Supply, installation, commissioning and programming was carried out over the last 12 months of the project.

Being a somewhat complex home the primary challenge was coordinating and staging the installation of the various technological systems into the home. Though the project remained very loyal to the original design meticulous project management was required to ensure any changes initiated onsite were assessed, documented and actioned.

One issue that confronted our installers was that the technical integration function of the air-conditioning units when installed did not match the documentation initially provided by the vendor. Many of these units were closed off in ceiling voids before this discrepancy was discovered. This was however fairly easily resolved through utilising the programming potential of the Dynalite system where a series of timed commands were provided to the units thus initiating the correct commands within the embedded air interface electronics.

Apart from the Home theatre there were no real standout disproportionate components within the project. It was a well balanced, albeit substantial, amalgamation of technology providing the client with a considerable integrated system that was out of sight and simple to use.

The project remained very loyal to the original design whether it was the technology, lighting design, joinery design or finishes. The solution provider worked very closely with all the vendors involved. This atmosphere of ultimate cooperation led to an exceptional result where the electronic lifestyle systems, structural build and finishes came together with an exceptional synergy contributing to a flawless result.

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