**INSPECTION, TEST, VERIFICATION & STATUS REPORT**

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| **ITP Description:** | Fire Sprinkler System Commissioning | **Revision** |  | **SYMBOLS FOR OPERATION**  A-APPROVAL / W-WITNESSED / T-TEST / C- CERTIFICATE / H-HELD / G-GENERAL / I-INSPECTED  GM Fire: Onsite Representative (GMR) Principle Contractor: (PC)  Consultant: (CS) Client: (CL) |
| **ITP Number:** | GMF-ITPS-011 | **Prepared By** | Drew Brooks |
| **Trade:** | Fire Services | **Signature** |  |
| **Project Number:** |  | **Approved By** | James Pretty |
| **Project Name:** |  | **Signature** |  |
| **Project Address:** |  | **Date** |  |

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| **Hold Point Details** | | | | | |
| Hold Point Required:  Yes | | |  No |  Other: |  |
| GM Sign Off | | Name: | | | Signature: |
| PC Sign Off | | Name: | | | Signature: |
| CS Sign Off | | Name: | | | Signature: |
| **Site Specific Details** | | | | | |
| Frequency of inspection and testing: | | |  Level |  Area |  Other: |
| Building: |  | | | | |
| Level: |  | | | | |
| Area: |  | | | | |

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| **ITEM** | **DESCRIPTION OF ACTIVITIES** | **ACCEPTANCE CRITERIA SPECIFIED** | **COMMISSIONNIG CODES AND REQUIRED DOCUEMNTATION** | **DRAWING REFERENCE NUMBER** | **QUALITY CONTROL** | **PERFORMED AND/OR WITNESSED BY:** | | | | **DATE** |
| **GM** | **PC** | **CS** | **CL** |
| 1 | CHECK SPRINKLER HEADS ARE INSTALLED IN AN ENVIRONMENT IN WHICH THEY ARE SUITED | AS2118.1-2017 – Section 2.2 – heads installed to correct classification and spacing | W5.2 State of the System   Pass |  | I |  |  |  |  |  |
| 2 | CHECK HYDRANTS ARE INSTALLED TO CODE AND HAVE REQUIRED CLEARENCES | AS2419.1-2005 – Section 3.2 –  Clearances differ when related to internal or external hydrants, ensure correct standards are implemented | W5.2 State of the System   Pass |  | T |  |  |  |  |  |
| 3 | AIR TEST INSTALLATION BEFORE WATER FILL | AS2118.1-2017 – Section 7.9.4 – hold 300 kPa for 30 minutes without a 10% loss. | **Hold Point Required:**   * Yes   W5.4 System Filling and Venting   * Pass |  | T |  |  |  |  |  |
| 4 | STATIC TEST  INSTALLATION WITH WATER TO 1600KPA | AS2118.1-2017 – Section 7 (7.9.3) –  system tested to 1.6MPa and holds pressure for 2 hours | **Hold Point Required:**   * Yes   W5.4 System Filling and Venting   * Pass   W5.4.1 Pressure Testing   * Pass |  | T |  |  |  |  |  |

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|  |  |  | W5.5.2 Flushing Procedure   * Pass   W5.7 Static Completion Records   * Pass |  |  |  |  |  |  |  |
| 5 | CHECK & TEST WATER SUPPLY CAPACITY TO MEET SYSTEM DEMAND | AS2118.1-2017 - section 4.2.2.1 –  capable of supplying the flow and pressure requirements of the sprinkler system. | W7.2 Flow Rate Measurement Tolerances   * Pass   W7.5 Preliminary Flow Rate Check   * Pass |  | T |  |  |  |  |  |
| 6 | CHECK OPERATION OF PRESSURE SWITCHES TO DBS | AS2118.1-2017 - Appendix H4 – Test via 15mm test valve and record time taken to operate. Confirm with ASE monitoring service that alarm was received. | W5.6 System Checks   * Pass   W5.6.2 Mechanical Checks: Automatic Control Valves   * Pass |  | T |  |  |  |  |  |
| 6 | CHECK OPERATION OF PRESSURE SWITCHES FOR PUMP START | AS2118.1-2017 – Appendix H5.4 –  P/Sw to be tested via dropping system pressure via test valve or remote test point. | W5.6 System Checks   * Pass   W5.6.2 Mechanical Checks: Automatic Control Valves |  | T |  |  |  |  |  |

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|  |  |  | * Pass |  |  |  |  |  |  |  |
| 7 | CONDUCT 100% TESTING OF PRESSURE SWITCH, FLOW SWITCH & VALVE MONITOR | AS2118.1-2017 Appendix H6 –  equipment to be tested to procedure set out in standard and in conjunction with Fire alarm workers. | W5.6 System Checks   * Pass   W5.6.2 Mechanical Checks: Automatic Control Valves   * Pass |  | T |  |  |  |  |  |
| 8 | CHECK PUMP PRESSURE AND FLOW  REQUIREMENTS | AS2118.1-2017 - Section 14.9 – shall be capable of satisfying the flow and pressure requirements of the design  +50kPa. | W7.2 Flow Rate Measurement Tolerances   * Pass   W7.5 Preliminary Flow Rate Check   * Pass |  | T |  |  |  |  |  |
| 9 | WITNESS TEST HOLD POINTS | PIPE TESTING PROCEDURE | **Hold Point Required:**   * Yes   W5.7 Static Completion Records   * Pass |  | T & W |  |  |  |  |  |
| 10 | HYDROSTATIC SPRINKLER PIPE TEST | AS2118.1-2017 Appendix H & Section 7.9.3 | **Hold Point Required:**   * Yes |  | I & T |  |  |  |  |  |

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|  |  | All new installations, trunk mains and water supply connections shall be capable of withstanding for a period of  2 h, without loss of pressure, a hydrostatic test pressure of  1600 kPa. | W5.7 Static Completion Records   * Pass   **As per GM Fire ITPS-013 Sprinkler Pipe Testing.** |  |  |  |  |  |  |  |
| 11 | COMPLETE FORM 71 SPRINKLERS | NCC 2019, AS2118 | W7.10 Commissioning Certification   * Pass |  | C |  |  |  |  |  |
| 12 | COMPLETE FORM 71 HYDRANTS | NCC 2019, AS2419 | W7.10 Commissioning Certification   * Pass |  | C |  |  |  |  |  |
| 13 | OPERATORS MANUAL, INSTALLERS STATEMENT, AS- INSTALLED DRAWINGS, LOGBOOK AVAILABLE TO SPECIFICATION REQUIREMENTS | In House QA | N/A |  | C |  |  |  |  |  |