**INSPECTION & TEST PLAN**

**- SCHEDULE OF INSPECTIONS AND TESTS -**

**CONSTRUCTION PROCESS**: FIRE/MECANICAL/HYDRAULIC SERVICES – Steel pipe (black or Galvanised) Rolled Grooved Pipe Inspection **150 mm medium duty Pipe Work (5mm)**

**PROJECT: SERVICE:**

**LOCATION: REFERENCE: DATE OF INSPECTION:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ref | Inspection/Test/Approval | | | | | | | Test Measurement | | Acceptance Criteria  (Pass / Fail) | Specification /Standard | | Comments | |
| Description | Key | **Optimum Measurement** | | Maximum Measurement | Minimum Measurement | | “A” | “B” |
| 1 | Pipe Diameter (OD) | D1 | **165.1mm** | | 166.7mm | 164.3 | |  |  |  | **Manual Calliper,**  **Tape, ruler** | | First and every 20 roll | |
| 2 | Flare Diameter | D2 | 165.1 | | **167.6** | N/A | |  |  |  | **Manual Calliper,**  **Tape, ruler** | | **Mandatory on every roll groove** | |
| 3 | Gasket Seat Dimension | A | **15.88mm** | | 16.64mm | 15.21mm | |  |  |  | **Manual Calliper,**  **Tape, ruler** | | First and every 20 roll | |
| 4 | Groove Width | B | **8.74mm** | | 9.50mm | 7.98mm | |  |  |  | **Manual Calliper,**  **Tape, ruler** | | First and every 20 roll | |
| 5 | Groove Depth | D | **2.2mm** | | 2.25mm | 2.2mm | |  |  |  | **Manual Calliper,**  **Tape, ruler** | | First and every 20 roll | |
| 6 | Groove Diameter  (circumference tape) | D3 | **164mm** | | 164mm | 163.4mm | |  |  |  | **GO, NO-GO Tape Measure** | | **Mandatory on every roll groove, must align with correct point on tape** | |
| 7 | Groove Corner Inner | R1 | 4.6 mm | | **N/A** | **4.5** | |  |  |  | **Two Point Micrometer or Modifed Calliper** | | First and every 20 roll.  Must remain at ≥75% of original wall thickness | |
| 8 | Groove Corner Outer | R2 | 4.6 mm | | **N/A** | **4.5** | |  |  |  | **Two Point Micrometer or Modifed Calliper** | | First and every 20 roll  Must remain at ≥75% of original wall thickness | |
| 9 | Wall Thickness Inner | T1 | **5 mm** | |  | **4.5** | |  |  |  | **Two Point Micrometer or Modifed Calliper** | | First and every 20 roll | |
| 10 | Wall Thickness Outer | T2 | **5 mm** | |  | **4.5** | |  |  |  | **Two Point Micrometer or Modifed Calliper** | | First and every 20 roll | |
| 11 | Galvanised Protection  Internally to Grooves |  |  | |  |  | |  |  |  | **Visual** | | **Mandatory on every roll groove**  Any flaking or cracked zinc is to be wire brushed off and cold galvanising paint applied as per manufactures requirements | |
| Document No.: ITP RG H150 | | | | Prepared By: LLd | | | Approved By site | | | | | Position: | | Date: | |
| Issue No:B | | | |  | | | Approved By LL: | | | | | Position: | | Date: | |
| Amendment No.:6 | | | | Date: | | | Approved By Contractor: | | | | | Position: | | Date: | |