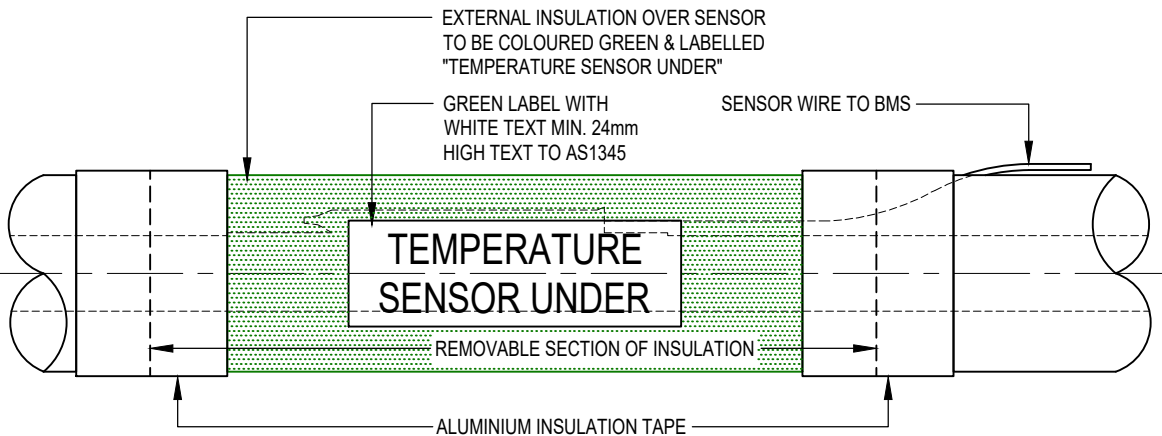


A DETAIL SECTION
NTS

- DETAILS FOR CONSTRUCTION OF TEMPERATURE SENSOR POCKET:
- CUT 150mm X 120° SECTION OUT OF TYPE A COPPER TUBE (SAME DIA. AS PIPE WORK AS INTENDED TO CLAMP TO)
 - ANNEAL 150mm X 120° COPPER TUBE SECTION
 - CLAMP ANNEALED TUBE TO HARD DRAWN COPPER TUBE OF SAME SIZE ENSURING BOTH TUBE SURFACES ARE TIGHTLY MATED TO EACH OTHER
 - REAM BOTH ENDS OF DN8 COPPER TUBE AND ANNEAL
 - SQUEEZE ONE END OF DN8 TUBE PARTIALLY CLOSED SO THAT TEMP. SENSOR WILL SIT IN PIPE WORK BUT CANNOT BE PUSHED ALL THE WAY THROUGH THE PIPE WORK. REMOVE SENSOR.
 - ALIGN DN8 TUBE SO IT IS PARALLEL AND CENTRALLY LOCATED ONTO 120° ANNEALED COPPER TUBE SECTION. CLAMP TEMPORARILY IN PLACE
 - SILVER SOLDER DN8 TUBE TO 120° PIPE SECTION USING 15% SILVER SOLDER, ALLOW TO COOL AND REMOVE TEMPORARY CLAMPS
 - SLIGHTLY FLAIR OPEN THE OPEN END OF THE DN8 PIPE WORK TO ALLOW FOR EASY INSERTION OF THE TEMP. SENSOR PAST THE HEAVY DUTY HOSE CLAMPS
 - TEST THE TEMP. SENSOR FOR FIRM FITTING AND EASY INSERTION AND REMOVAL IN CONSTRUCTED TEMP. SENSOR POCKET
 - REMOVE CONSTRUCTED TEMP. SENSOR POCKET FROM ANNEALED COPPER TUBE AND STORE SAFE FROM DAMAGE UNTIL INSTALLED ON SITE



A DETAIL ELEVATION
NTS

TEMP. SENSOR TO BE INSTALLED ON SITE IN SENSOR POCKET WITH NO THERMAL PASTE

COPPER TUBE TYPE "B" DN8 (7.94mm x 0.71mm) 6.52 ID SILVER SOLDERED TO TUBE

SQUEEZED, PARTIALLY CLOSED END

NOTE:
COPPER TUBE SIZES AND INSULATION SIZES WILL VARY BASED ON THE FLOW AND TEMPERATURE REQUIREMENTS OF THE SYSTEM. REFER TO DESIGN DRAWINGS AND ON-SITE INSTALLATION FOR ACTUAL TUBE AND INSULATION SIZING PRIOR TO COMMENCEMENT OF WORKS

A DETAIL SECTION
NTS

- COPPER TUBE TO BE CUT WITHOUT CAUSING DEFORMITY
- END SLIGHTLY FLARED TO ALLOW PROBE INSERTION, PAST MECHANICAL PIPE BRACKETS
- FREE SPACE REQUIRED ADJACENT TO CLAMPED TEMP. SENSOR POCKET
- SENSOR WIRE THROUGH PIPE INSULATION
- SLOT CUT INSULATION FOR TEMP. SENSOR WIRE
- COPPER TUBE - WATER SUPPLY PIPEWORK
- PIPE INSULATION
- TAPED INSULATION JOINT
- EXTERNAL INSULATION OVER SENSOR TO BE COLOURED GREEN & LABELLED "TEMPERATURE SENSOR UNDER"

TITLE

BMS MONITORED TEMPERATURE SENSOR INSTALL ON INSULATED COPPER TUBE

PROJECT:

STANDARD DETAILS
HYDRAULIC SERVICES



PLANNING, DESIGN & CONSTRUCTION
CORPORATE SERVICES

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DATE
14/03/2022

DRAWN BY
WO

SCALE
1:2.5

APPROVED BY
JA

DISCIPLINE
HYDRAULIC

REVISION
2

PROJECT No:
N/A

DRAWING No:
GSD-807

SHEET No:
1 of 1