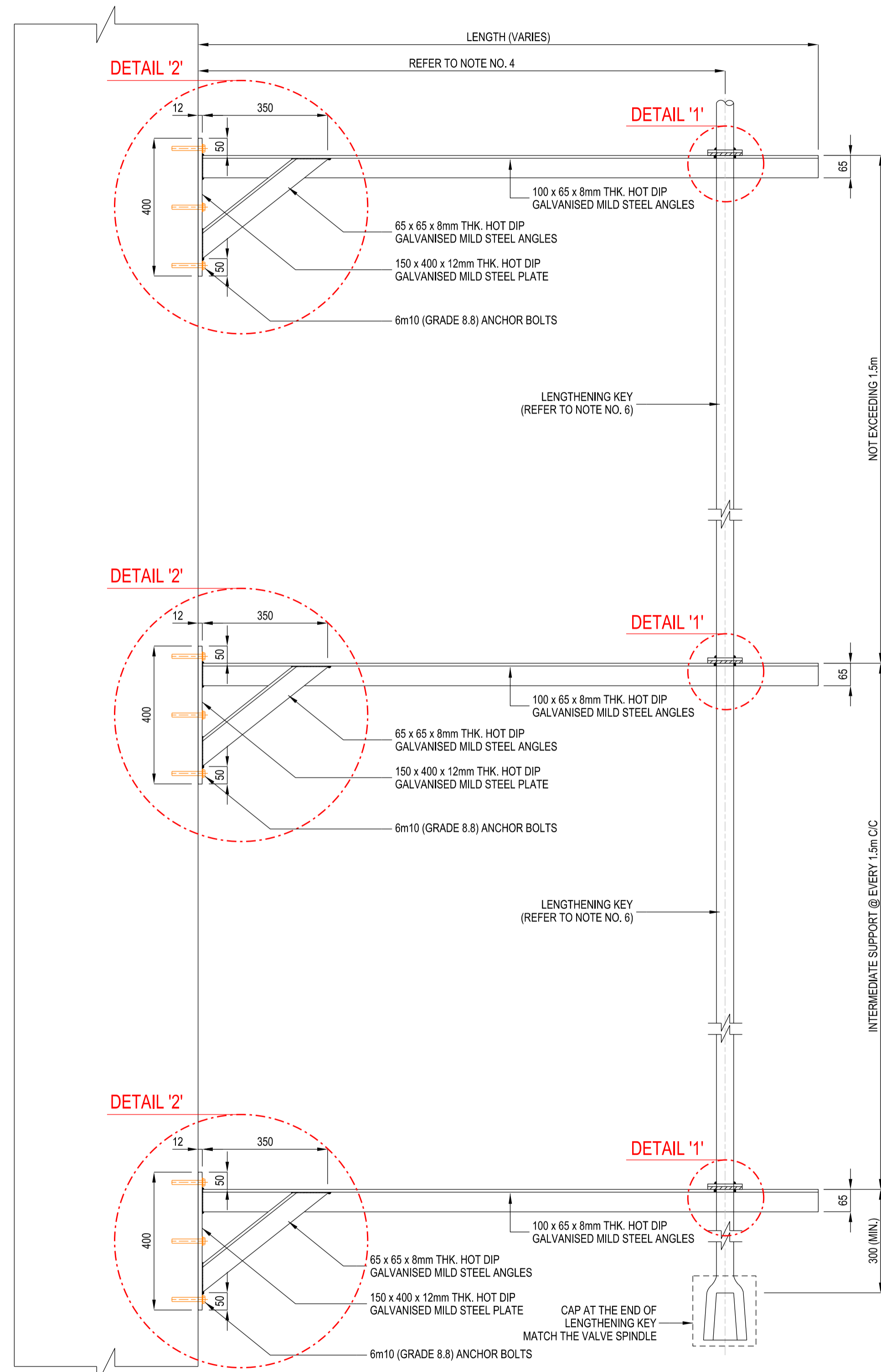
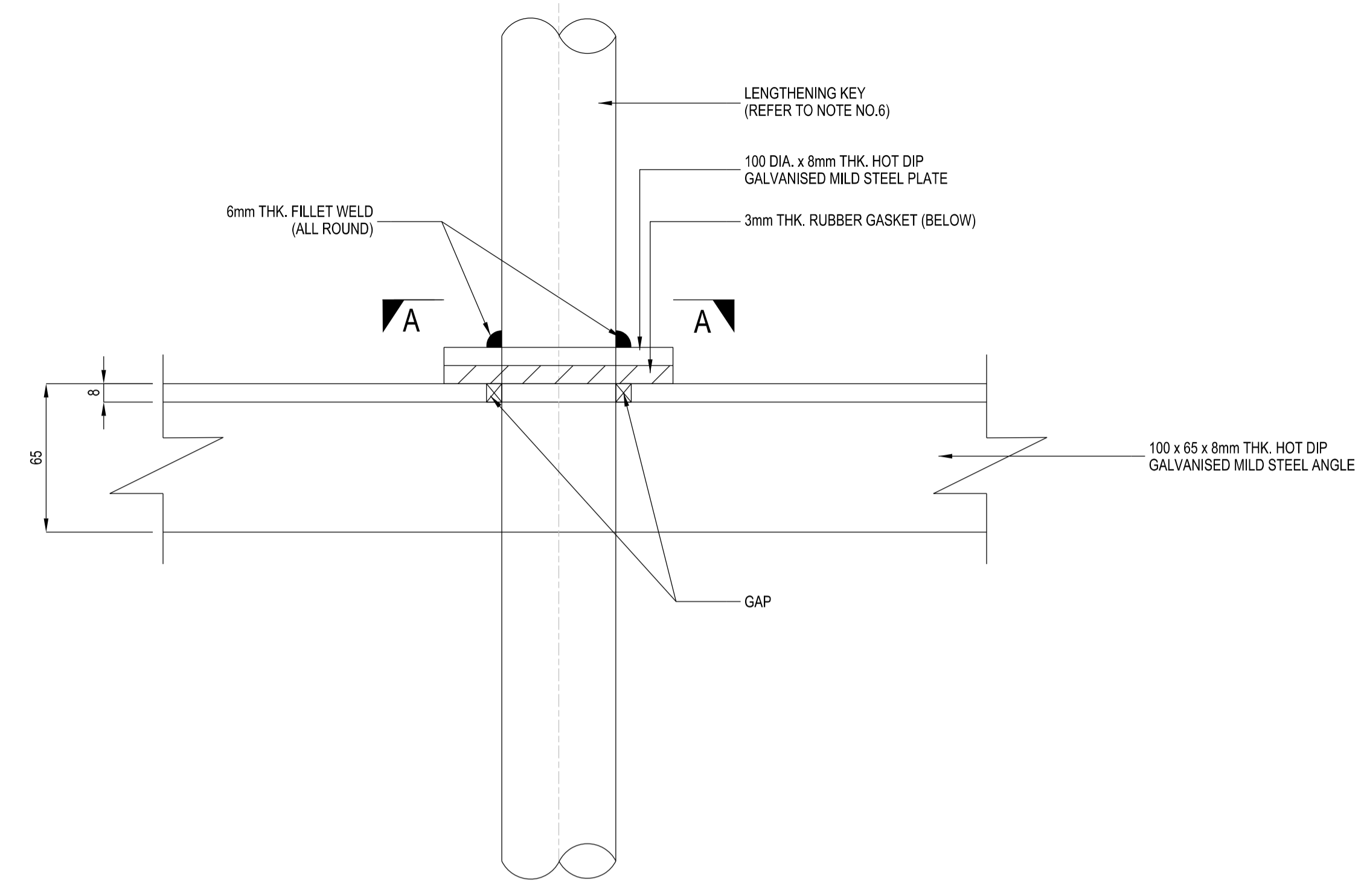


- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. REFER TO THE GENERAL NOTES IN THE DRAWING NO. PUB/WSN/GN/001
 3. STEEL GRADE SHALL BE S275 IN HOT DIP GALVANISED MILD STEEL.
 4. THIS DRAWING IS ONLY FOR VALVE LENGTHENING KEYS UP TO 4.5m LENGTH. THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL ENGINEER (PE) TO DESIGN THE LENGTHENING KEYS THAT EXCEED 4.5m LENGTH, BASED ON THE TORQUE PROVIDED BY THE VALVE MANUFACTURER.
 5. LENGTHENING KEY SUPPORT FOR CHAMBERS MORE THAN 6m DEPTH SHALL BE DESIGNED BY CONTRACTOR'S PE.
 6.

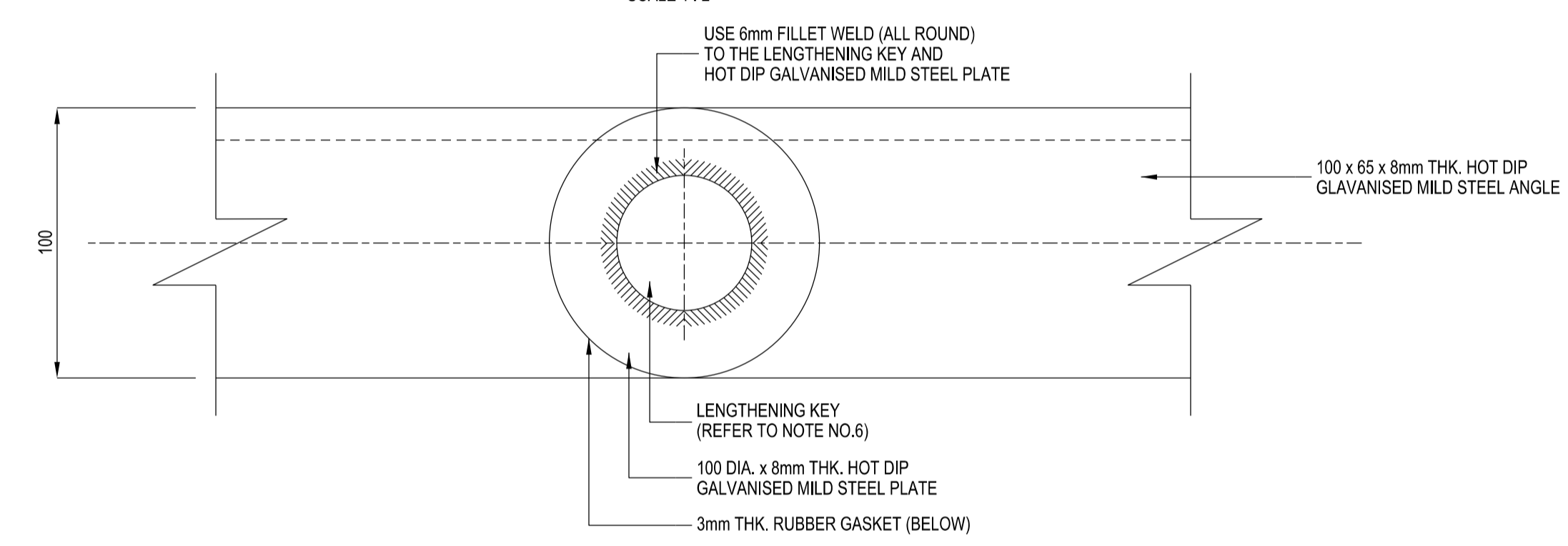
NOMINAL VALVE DIAMETER (mm)	DIAMETER OF LENGTHENING KEY (mm)
≤700	38
800	42
900	46
1200	50
>1200	ADVISED BY VALVE MANUFACTURER
 7. ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH SS EN 1011-1 AND SS EN 1011-2. ELECTRODES SHALL COMPLY WITH BS 639. THE LEGS OF THE PLATE FORMING THE JOINT. ALL WELDING SHALL BE BUILT UP TO FULL THROAT THICKNESS.
 8. ALL ANCHOR BOLTS SHALL COMPLY WITH BS SS316. REFER TO MANUFACTURER'S SPECIFICATIONS FOR BOLTS ANCHORAGE LENGTH.



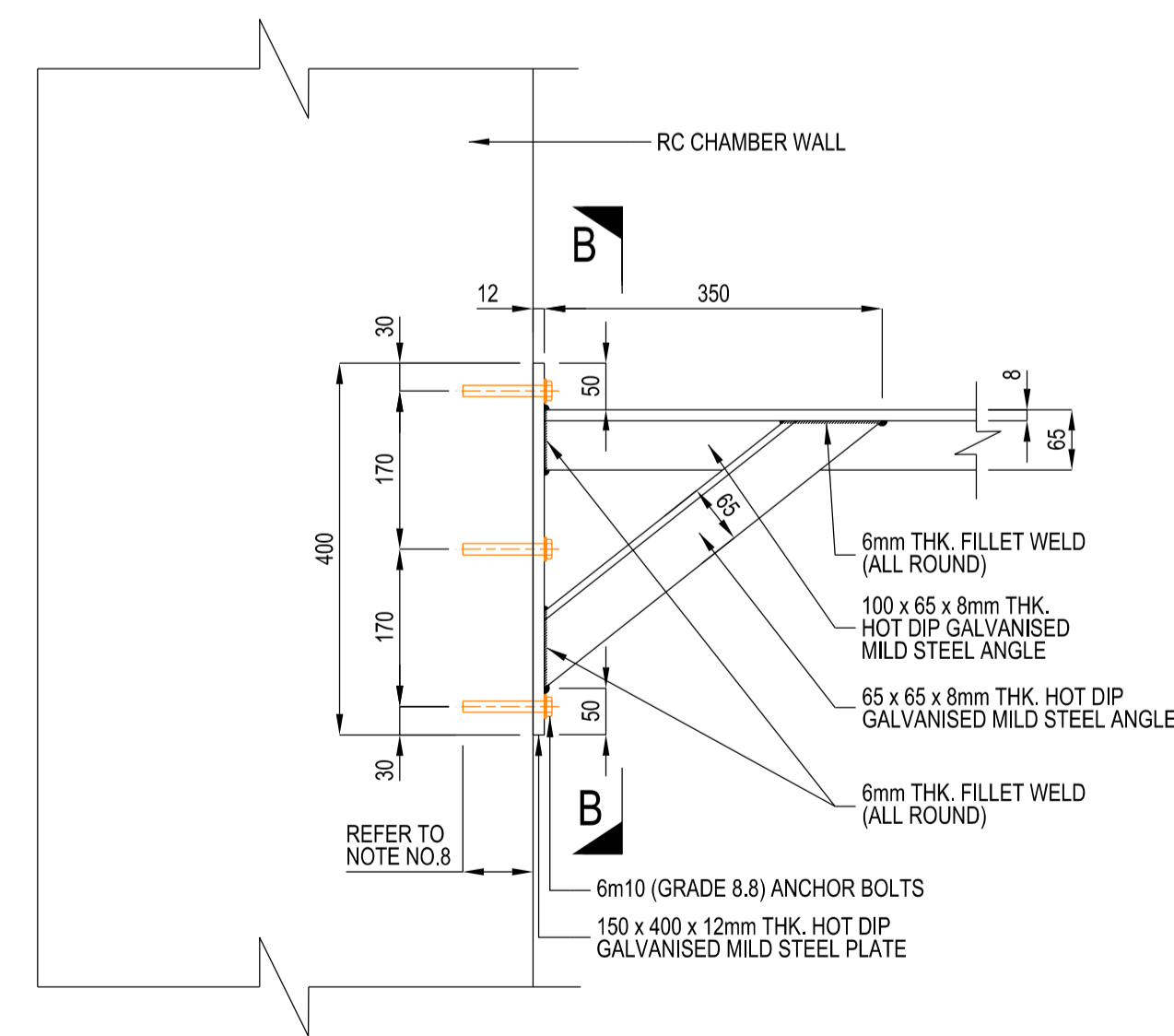
LENGTHENING KEY SUPPORT
SCALE 1: 10



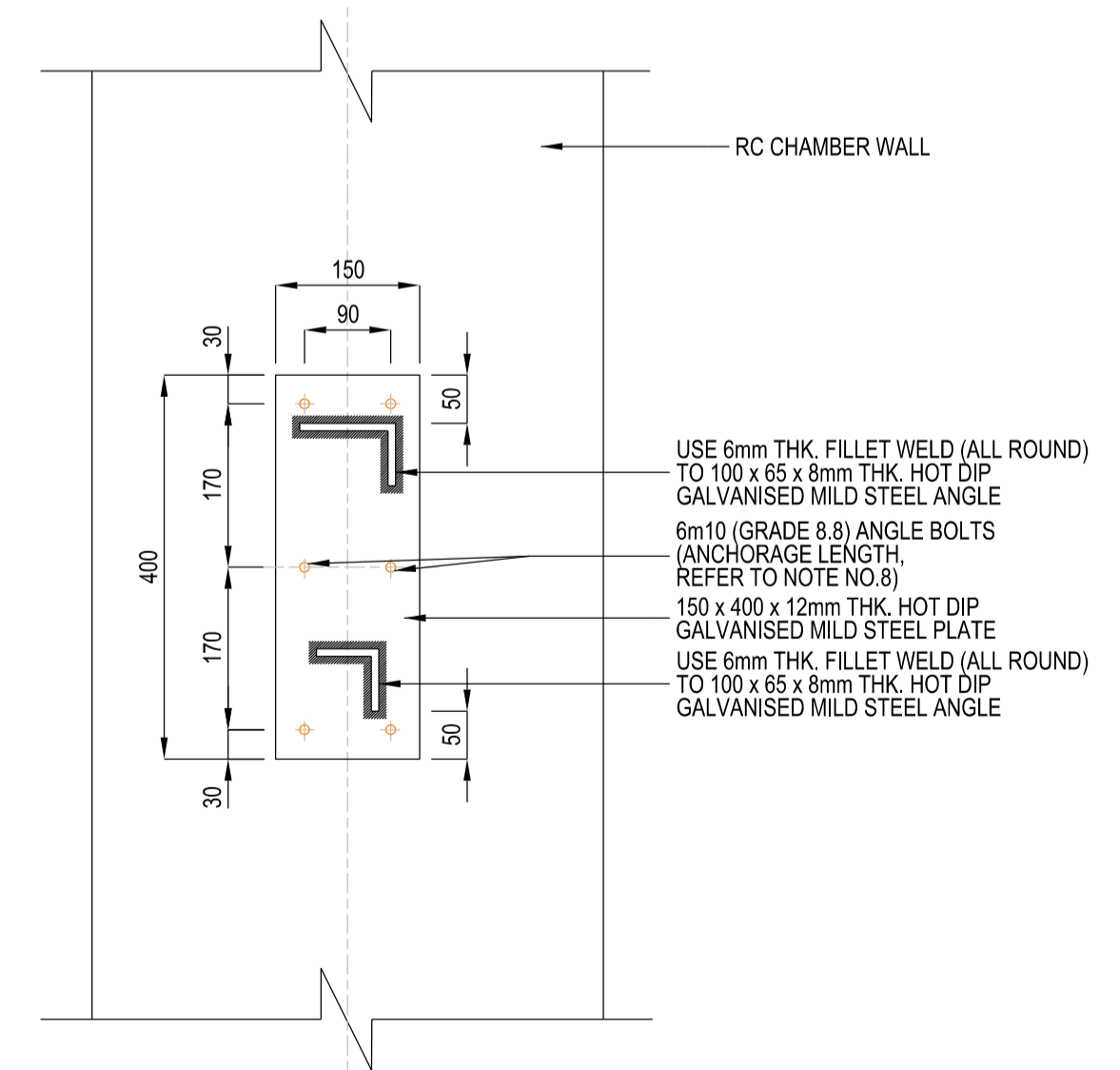
DETAIL 1
SCALE 1: 2



SECTION A - A
SCALE 1: 2



DETAIL 2
SCALE 1: 7.5



SECTION B - B
SCALE 1: 7.5

LENGTHENING KEY SUPPORT

ISSUED: SEP 2020

SCALE

LAST REVIEWED: SEP 2020

AS SHOWN