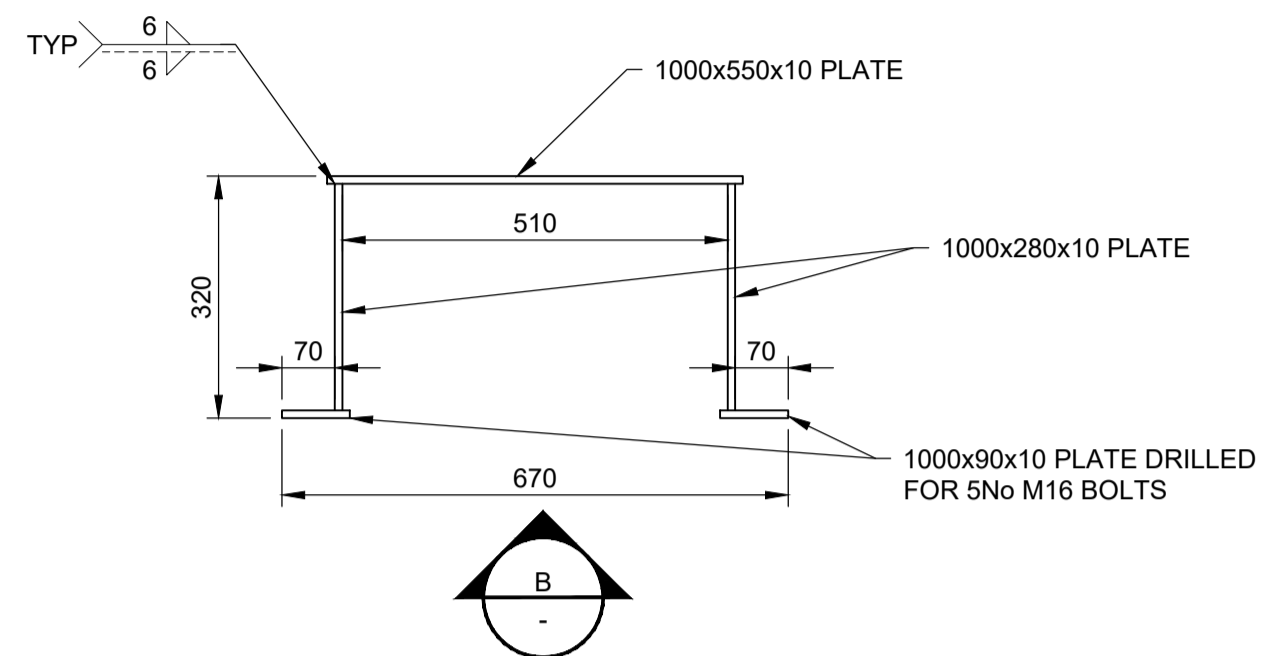
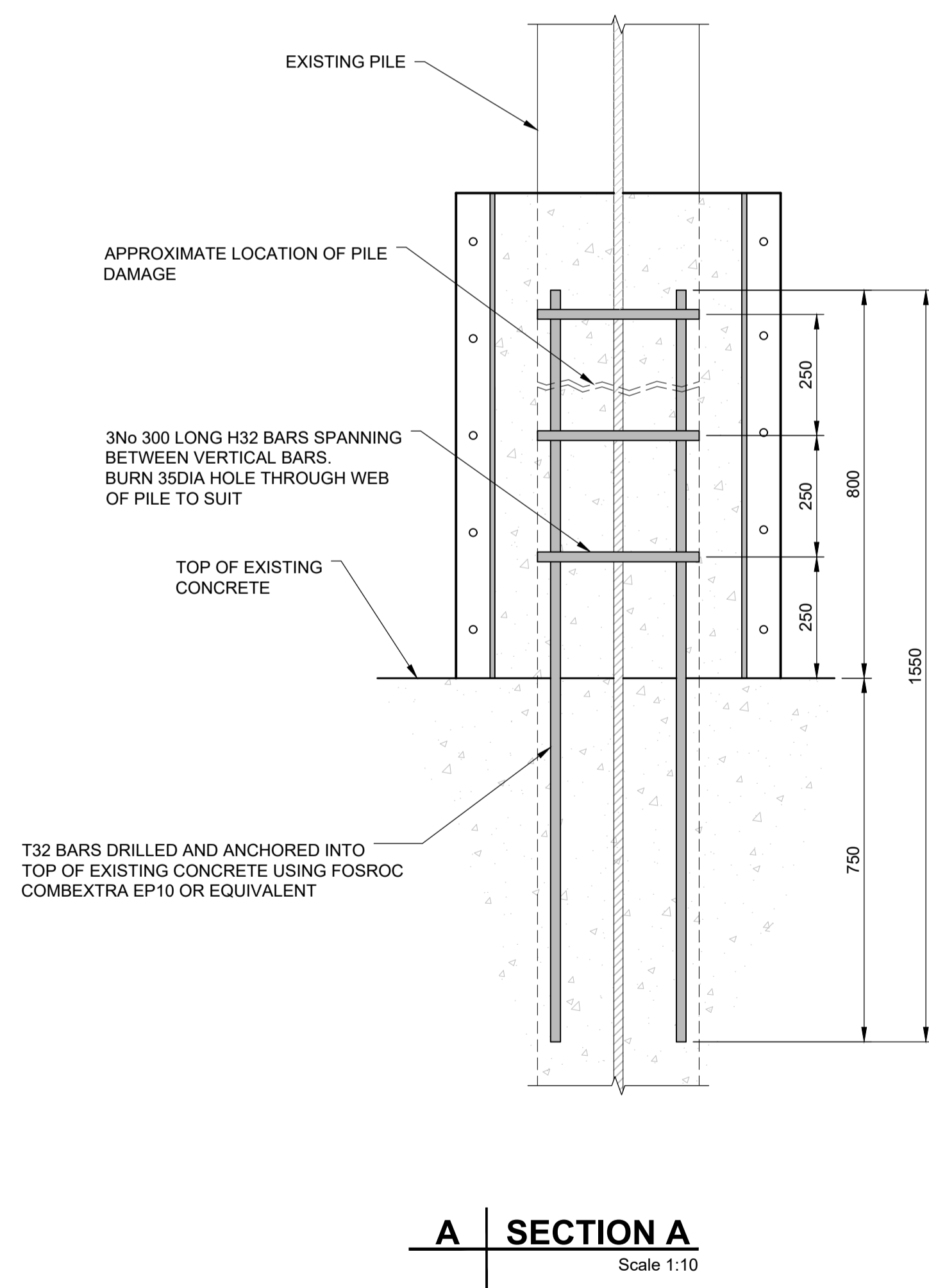


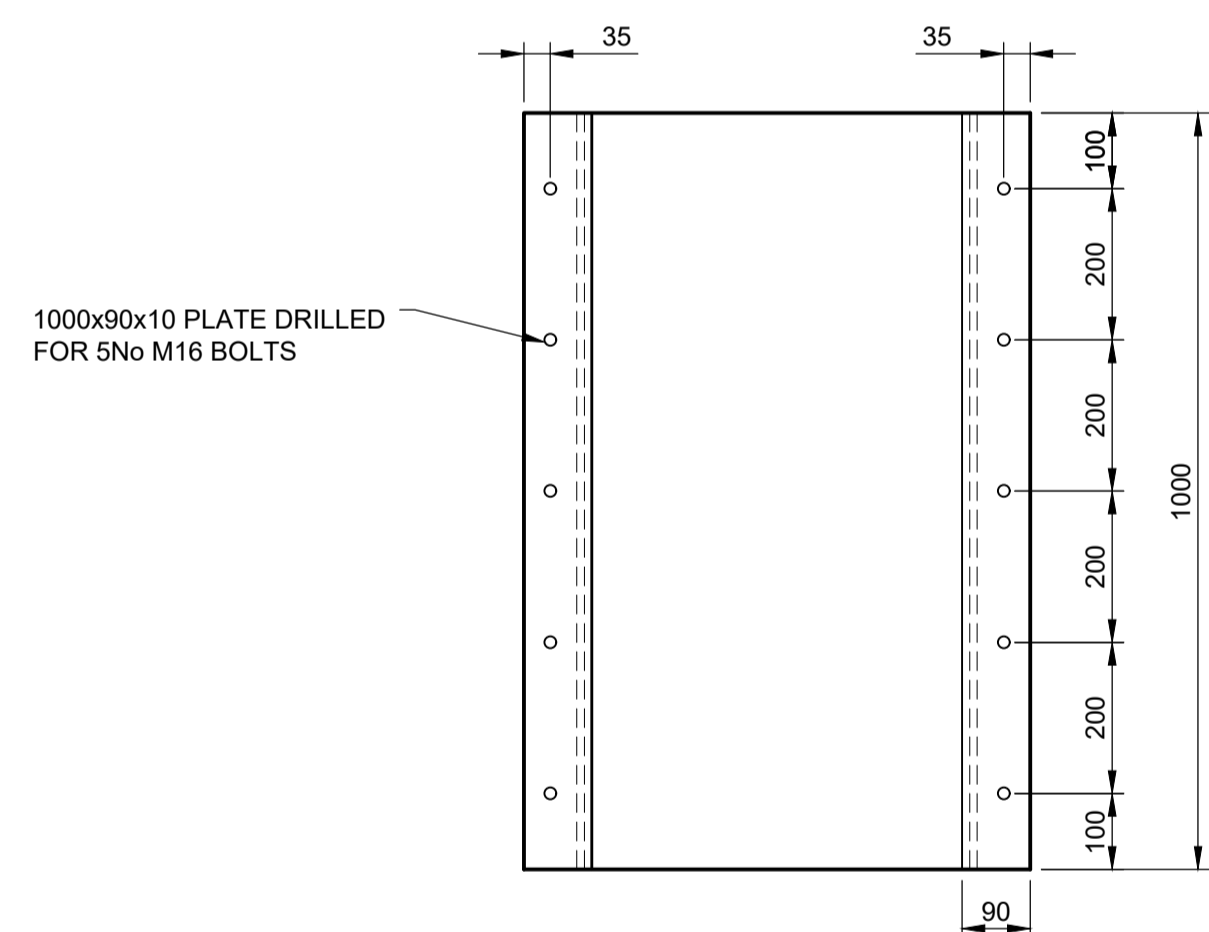
**SECTIONAL PLAN THROUGH INSTALLED SLEEVE DETAIL**  
 Scale 1:10



**PLAN ON SLEEVE HALF FABRICATION 2No. REQUIRED**  
 Scale 1:10



**SECTION A**  
 Scale 1:10

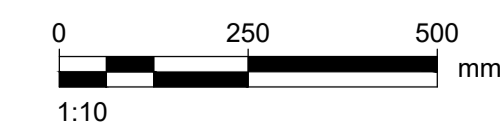


**B ELEVATION ON SLEEVE HALF**  
 Scale 1:10

- INSTALLATION METHODOLOGY**
- CLEAN ALL MARINE GROWTH FROM BOTTOM 1200 OF PILE
  - CLEAN AND SCABBLE TOP OF CONCRETE BASE FOR EXTENT OF SLEEVE FOOTPRINT
  - DRILL AND FIXED 4No H32 VERTICAL BARS INTO TOP OF CONCRETE BASE
  - BURN HOLES THROUGH WEB OF PILE AND INSTALL 3No H32 HORIZONTAL BARS, TYING TO VERTICAL BARS
  - INSTALL SLEEVE HALVES AND CONNECT VIA 10No M16 BOLTS
  - FILL TO TOP OF SLEEVE WITH CONCRETE
- STEEL**
- REFER TO SPECIFICATION BUHO-ACM-XX-XX-SP-MT-010001
  - ALL STEEL PLATE TO BE MINIMUM GRADE S275 TO BS EN 10025
  - SLEEVE IS CONSIDERED A TEMPORARY SHUTTER AND DOES NOT REQUIRE PAINT PROTECTION
  - ALL BOLTS TO BE MIN GRADE 8.8 TO BS 3692
  - ALL BOLTS TO BE GALVANIZED
- CONCRETE**
- REFER TO SPECIFICATION BUHO-ACM-XX-XX-SP-MT-010001
  - ALL CONCRETE TO BE MINIMUM GRADE C35
  - AGGREGATE SIZE TO BE 10-20mm
  - ALL REINFORCEMENT BARS TO BE TO BS 4449
  - CONCRETE SHALL BE LAID EITHER:
    - DURING PERIOD WHERE TIDE IS LOWER THAN TOP OF SLEEVE WITH USE OF A FAST CURING ADMIXTURE.
    - UNDERWATER WITH USE OF AN ANTI-WASHOUT ADMIXTURE.

SAFETY HEALTH AND ENVIRONMENT INFORMATION		
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information.		
Risks listed here are not exhaustive. Refer to CDM Risk Assessment Register No. BUHO-XX-XX-HS-ZZ-001001		
CONSTRUCTION		
C1. PROXIMITY OF OPEN WATER BODIES		
C2. THE LOCATION OF ALL SERVICES SHOULD BE IDENTIFIED PRIOR TO WORK COMMENCING		
C3. WORKING AT HEIGHT OVER WATER WILL REQUIRE EDGE PROTECTION AND SUITABLE PPE		
C4. RISK OF POLLUTANTS ENTERING WATER BODY		
C5. LOAD BEARING CAPACITY OF THE EXISTING BERTHING STRUCTURE IS UNKNOWN. CONTRACTOR SHALL DETERMINE STRENGTH WHERE PROPOSING TO SUPPORT CONSTRUCTION LOADS.		
C6. RISK OF WORKING WITH CONCRETE / CEMENT INCLUDING SKIN IRRITATION, SEVERE CHEMICAL BURNS AND SERIOUS EYE DAMAGE		
MAINTENANCE		
M1. STRUCTURAL CONDITION TO BE INSPECTED MAXIMUM EVERY 5 YEARS		
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.		

REFERENCES		
BUHO-ACM-XX-XX-DR-MT-010300	EXISTING LAYOUT	
BUHO-ACM-XX-XX-DR-MT-010304	GENERAL ARRANGEMENT PLAN AND SECTION	



- NOTES**
- DO NOT SCALE FROM THIS DRAWING. WORK TO FIGURED DIMENSIONS ONLY. IF IN DOUBT ASK.
  - THIS DRG TO BE READ IN CONJUNCTION WITH:
    - THE SPECIFICATION
    - SURVEY AND INTERPRETATIVE REPORTS
    - HEALTH AND SAFETY HAZARD REGISTER
    - RECORD DRAWINGS
  - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
  - ALL LEVELS ARE IN METRES TO CHART DATUM.
  - CHART DATUM AT HAMWORTHY IS 1.82m BELOW ORDNANCE DATUM (NEWLYN).
  - ANY DISCREPANCIES TO BE REFERRED TO THE SUPERVISOR BEFORE WORK COMMENCES.
  - CONTRACTOR TO CONFIRM ALL SURVEY INFORMATION ON SITE BEFORE STARTING ANY WORK.
  - CONTRACTOR MAY PROPOSE EQUIVALENT ALTERNATIVES FOR THE ACCEPTANCE OF THE SUPERVISOR.

ISSUE/REVISION		
P01	17/08/22	For Client Comment
I/R	DATE	DESCRIPTION

**ISSUE PURPOSE / SUITABILITY**  
 SUITABLE FOR INFORMATION  
**KEY PLAN**

**PROJECT NUMBER**  
 60637648  
**SHEET TITLE**  
 PILE NO. 4 REPAIR SLEEVE  
**SHEET NUMBER**  
 BUHO-ACM-XX-XX-DR-MT-050001

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FOR CLIENT APPROVAL