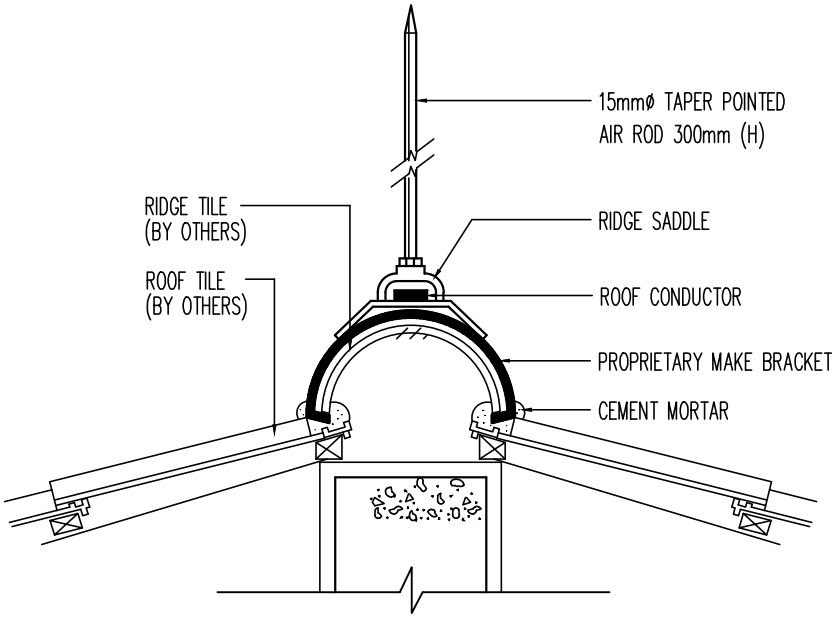
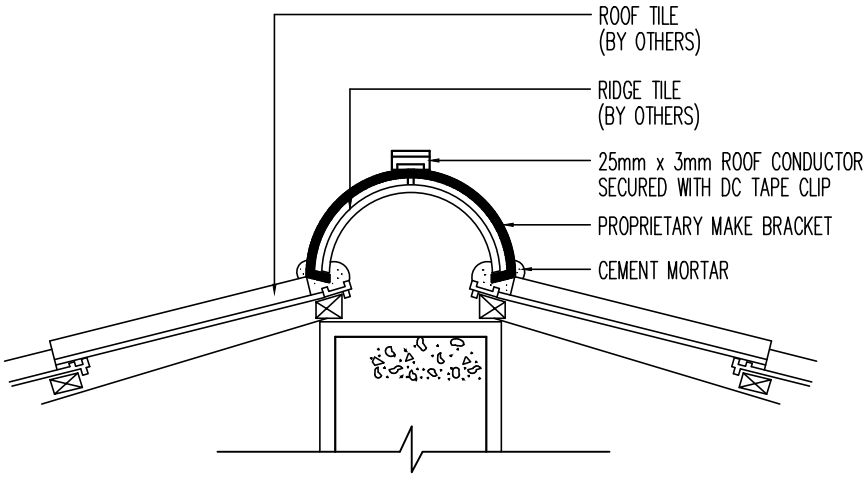


AIR TERMINAL



ROOF CONDUCTOR

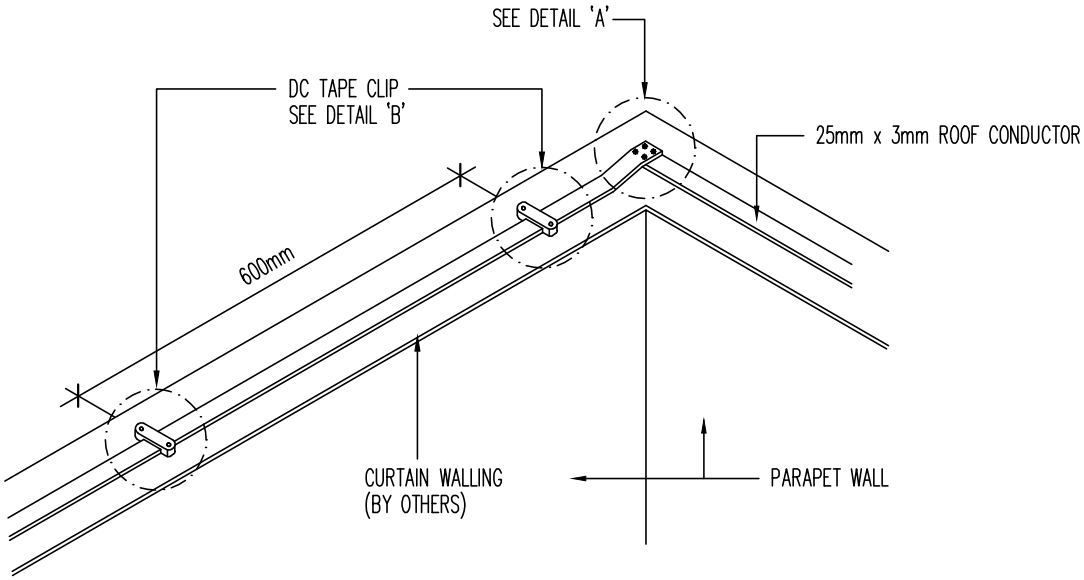
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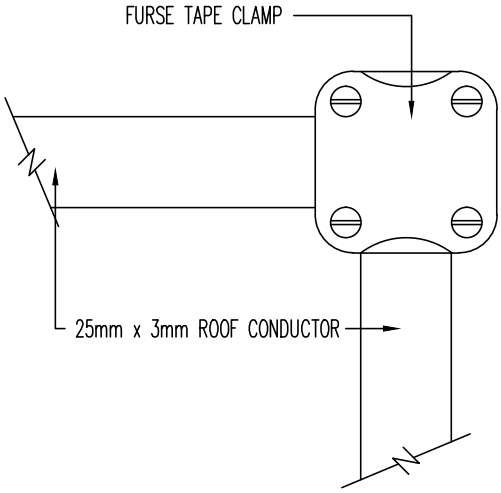
REFER TO SPECIFICATION FOR MATERIALS TO BE EMPLOYED FOR AIR ROD, ROOF CONDUCTORS, ETC.

Drawing Title

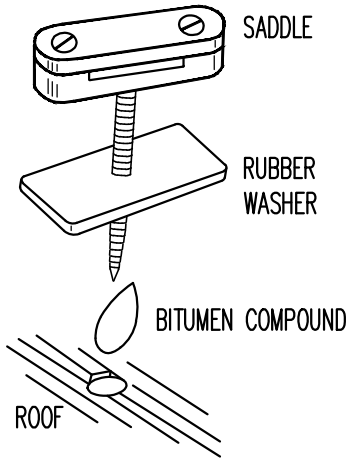
LIGHTNING ROOF CONDUCTORS & AIR TERMINALS ON RIDGE ROOF

Alpha Consulting Engineers Pte Ltd	Drawing No. SE(LP) – 1	Rev. –





DETAIL 'A'



DETAIL 'B'

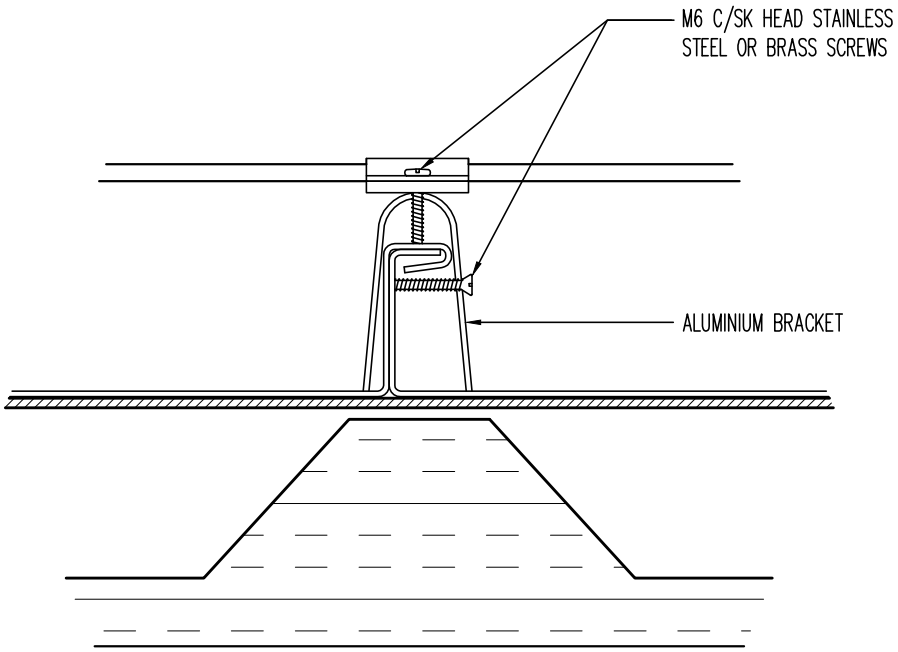
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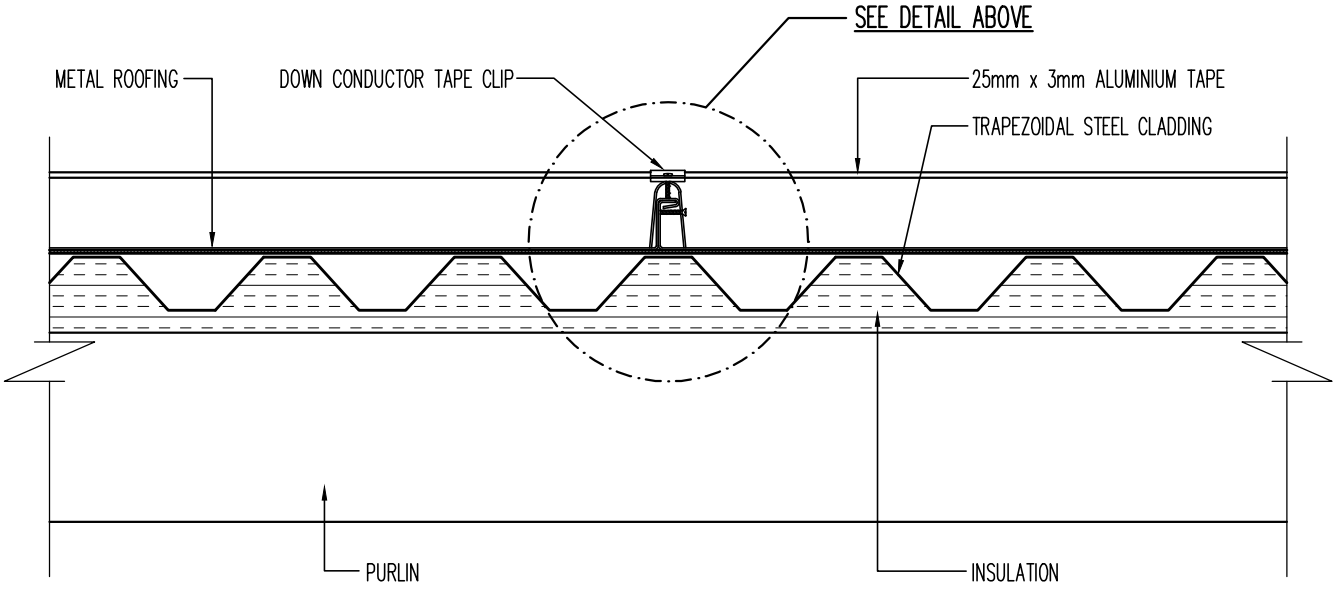
REFER TO SPECIFICATION FOR TYPE OF MATERIALS TO BE EMPLOYED FOR THE ROOF CONDUCTOR, CLAMPS, ETC.

Drawing Title

FIXING DETAILS OF LIGHTNING ROOF CONDUCTORS ON PARAPET WALL WITH CURTAIN WALLING.

Alpha Consulting Engineers Pte Ltd	Drawing No. SE(LP) – 2	Rev. –

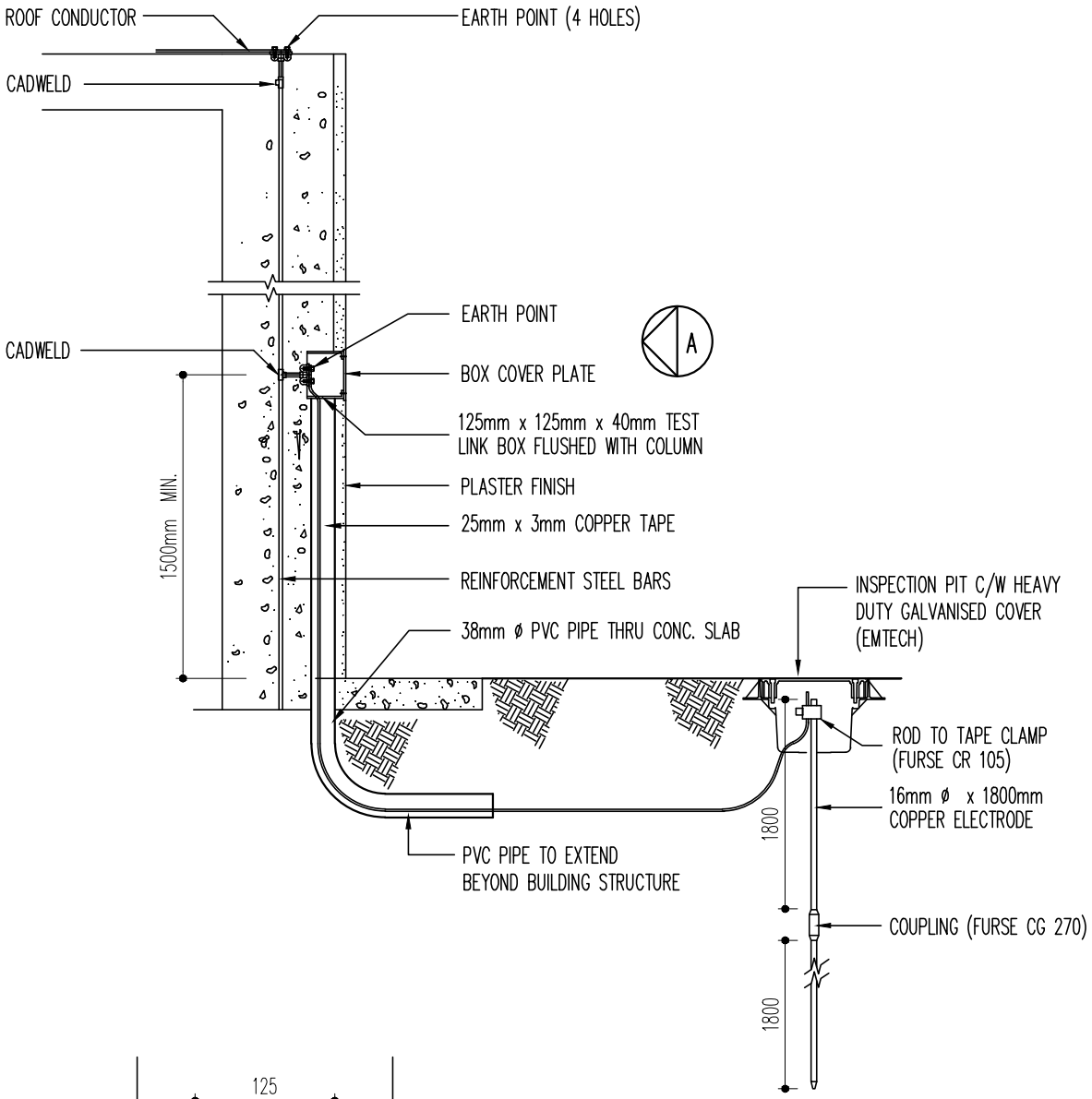


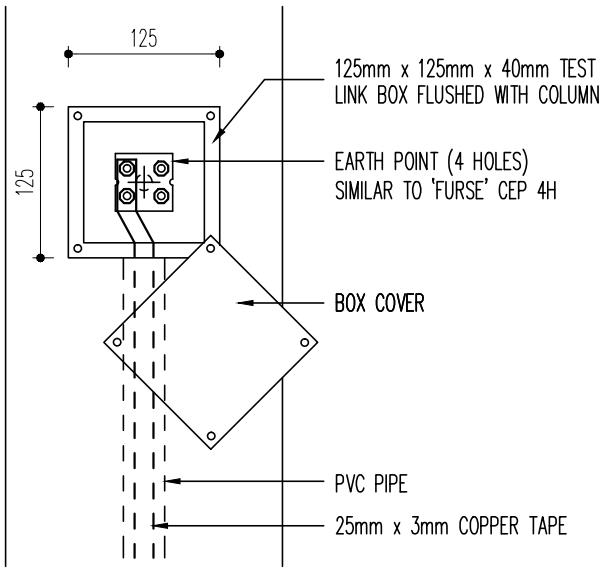


Drawing Title

DETAILS FOR MOUNTING OF ALUMINIUM TAPE TO METAL ROOFING

Alpha Consulting Engineers Pte Ltd	Drawing No. SE(LP) – 3	Rev. –





ELEVATION A

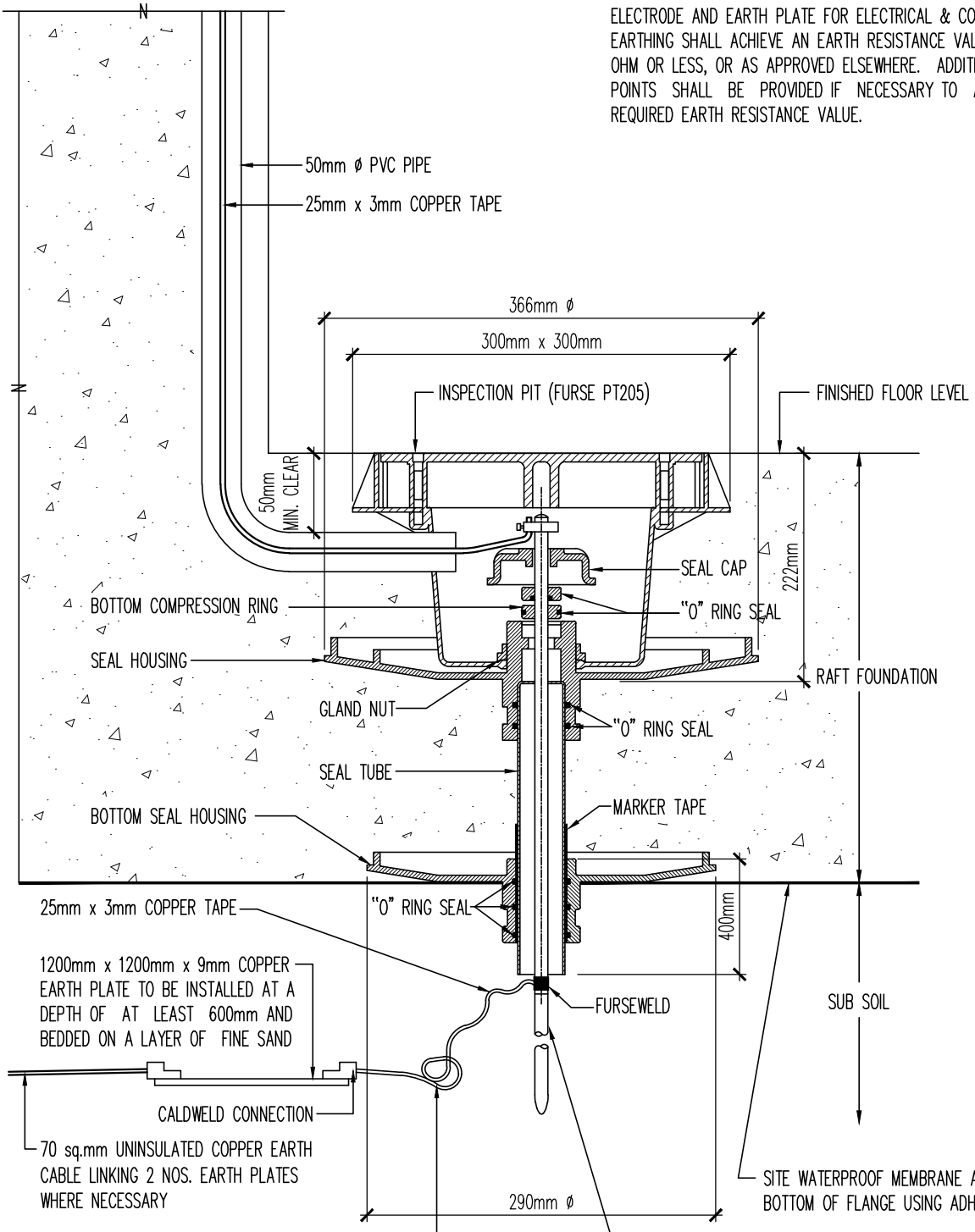
Drawing Title

INSTALLATION DETAILS OF LIGHTNING DOWN CONDUCTOR USING REINFORCING BARS

Alpha Consulting Engineers Pte Ltd	Drawing No. SE(LP) – 4	Rev. –

NOTE

EACH EARTH POINT COMPRISING A COMBINATION OF EARTH ELECTRODE AND EARTH PLATE FOR ELECTRICAL & COMMUNICATION EARTHING SHALL ACHIEVE AN EARTH RESISTANCE VALUE OF ONE (1) OHM OR LESS, OR AS APPROVED ELSEWHERE. ADDITIONAL EARTH POINTS SHALL BE PROVIDED IF NECESSARY TO ACHIEVE THE REQUIRED EARTH RESISTANCE VALUE.



(THE ELECTRODE SEAL SHALL BE SIMILAR TO FURSE ES220)

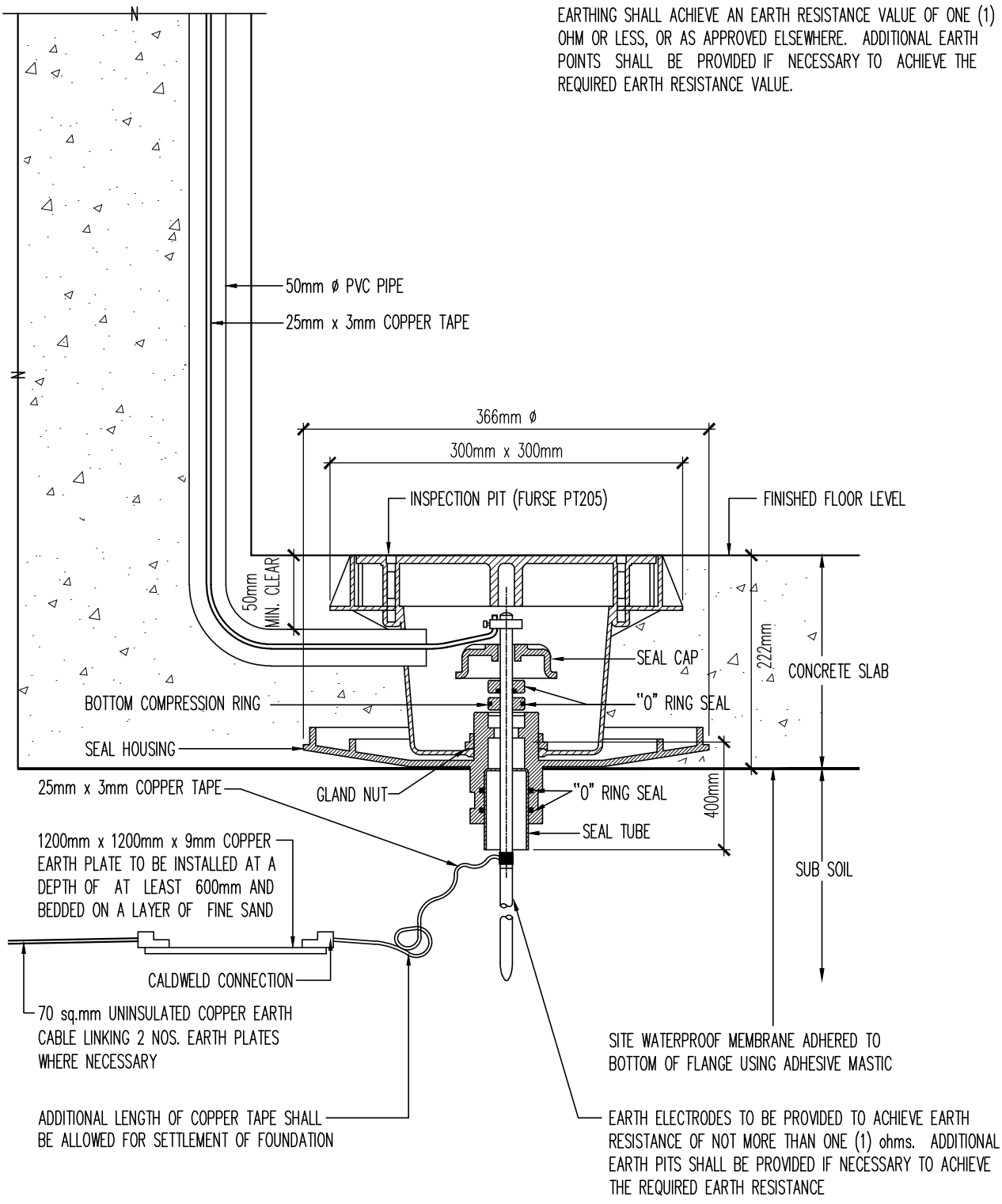
Drawing Title

TYPICAL EARTHING POINT IN BASEMENT RAFT FOUNDATION (DOUBLE FLANGE TYPE ELECTRODE SEAL)

Alpha Consulting Engineers Pte Ltd	Drawing No. SE(LP) – 5	Rev. –

NOTE

EACH EARTH POINT COMPRISING A COMBINATION OF EARTH ELECTRODE AND EARTH PLATE FOR ELECTRICAL & COMMUNICATION EARTHING SHALL ACHIEVE AN EARTH RESISTANCE VALUE OF ONE (1) OHM OR LESS, OR AS APPROVED ELSEWHERE. ADDITIONAL EARTH POINTS SHALL BE PROVIDED IF NECESSARY TO ACHIEVE THE REQUIRED EARTH RESISTANCE VALUE.



(THE ELECTRODE SEAL SHALL BE SIMILAR TO FURSE ES210)

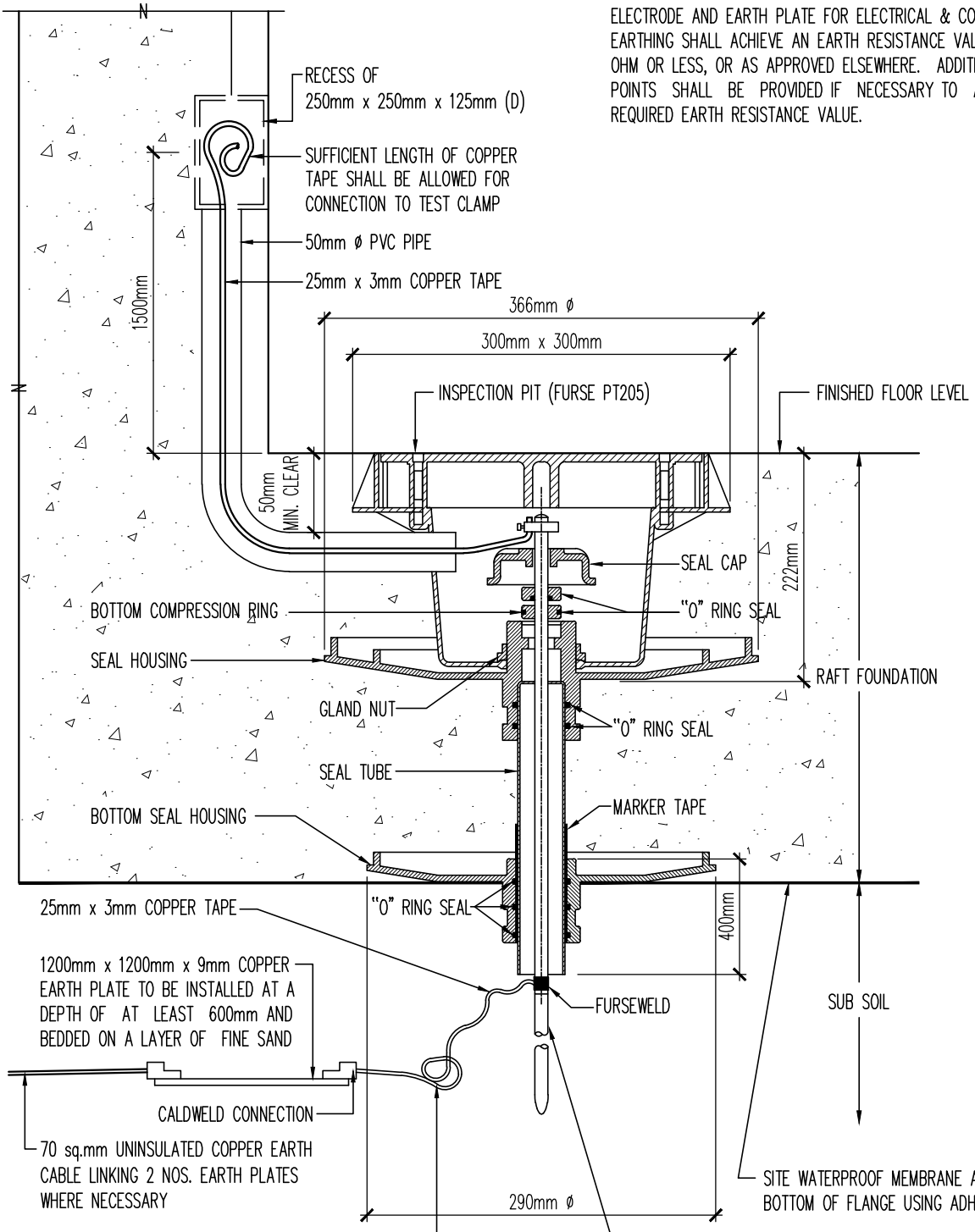
Drawing Title

TYPICAL EARTHING POINT IN BASEMENT CONCRETE SLAB (SINGLE FLANGE TYPE ELECTRODE SEAL)

Alpha Consulting Engineers Pte Ltd	Drawing No. SE(LP) – 6	Rev. –

NOTE

EACH EARTH POINT COMPRISING A COMBINATION OF EARTH ELECTRODE AND EARTH PLATE FOR ELECTRICAL & COMMUNICATION EARTHING SHALL ACHIEVE AN EARTH RESISTANCE VALUE OF ONE (1) OHM OR LESS, OR AS APPROVED ELSEWHERE. ADDITIONAL EARTH POINTS SHALL BE PROVIDED IF NECESSARY TO ACHIEVE THE REQUIRED EARTH RESISTANCE VALUE.



(THE ELECTRODE SEAL SHALL BE SIMILAR TO FURSE ES220)

Drawing Title: TYPICAL EARTHING POINT IN BASEMENT RAFT FOUNDATION (DOUBLE FLANGE TYPE ELECTRODE SEAL) (BY SUB-STRUCTURE CONTRACTOR)

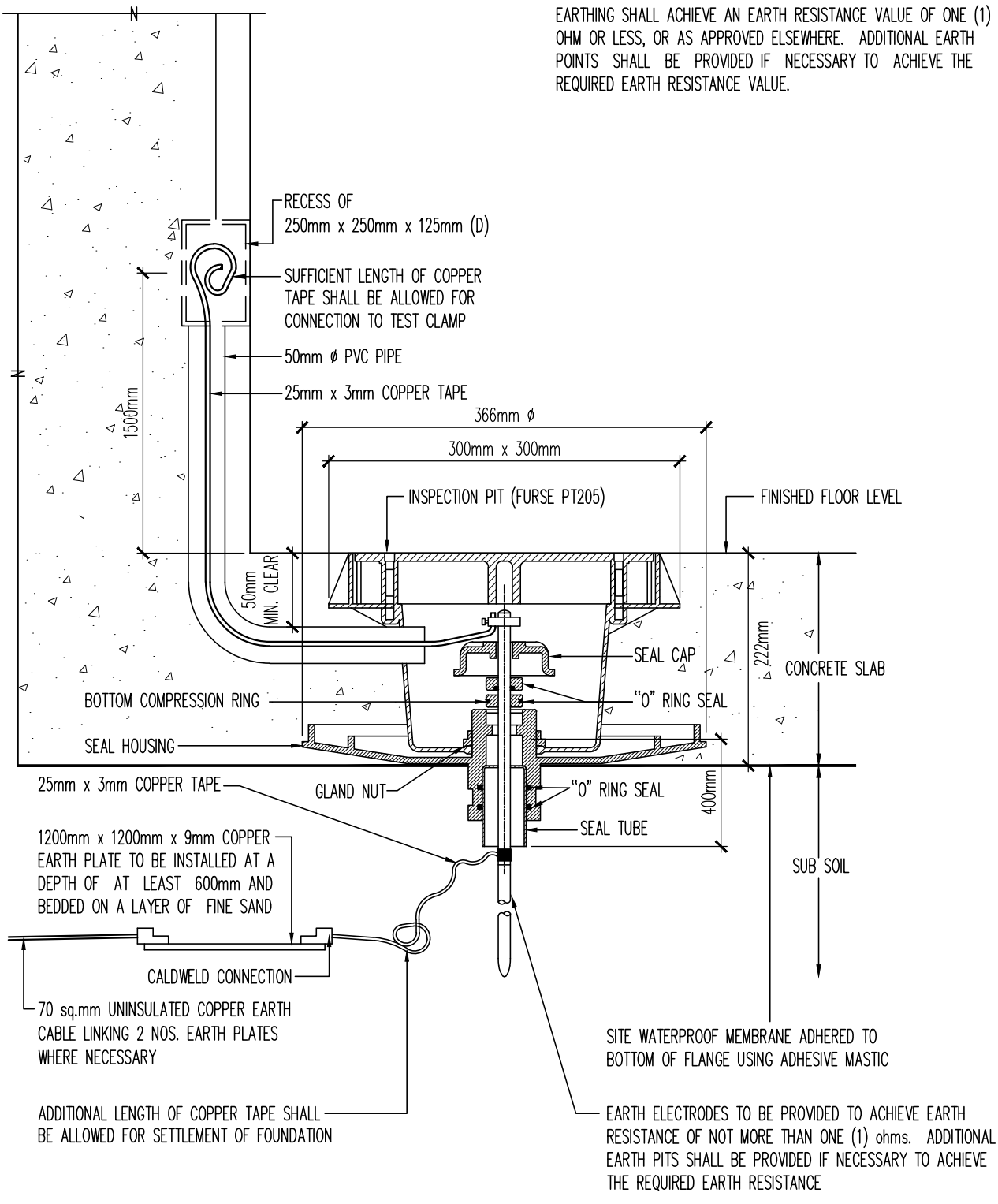
Alpha Consulting Engineers Pte Ltd

Drawing No. SE(LP)-7

Rev. -

NOTE

EACH EARTH POINT COMPRISING A COMBINATION OF EARTH ELECTRODE AND EARTH PLATE FOR ELECTRICAL & COMMUNICATION EARTHING SHALL ACHIEVE AN EARTH RESISTANCE VALUE OF ONE (1) OHM OR LESS, OR AS APPROVED ELSEWHERE. ADDITIONAL EARTH POINTS SHALL BE PROVIDED IF NECESSARY TO ACHIEVE THE REQUIRED EARTH RESISTANCE VALUE.



(THE ELECTRODE SEAL SHALL BE SIMILAR TO FURSE ES210)

Drawing Title: TYPICAL EARTHING POINT IN BASEMENT CONCRETE SLAB (SINGLE FLANGE TYPE ELECTRODE SEAL) (BY SUB-STRUCTURE CONTRACTOR)

Alpha Consulting Engineers Pte Ltd

Drawing No. SE(LP) – 8

Rev. –