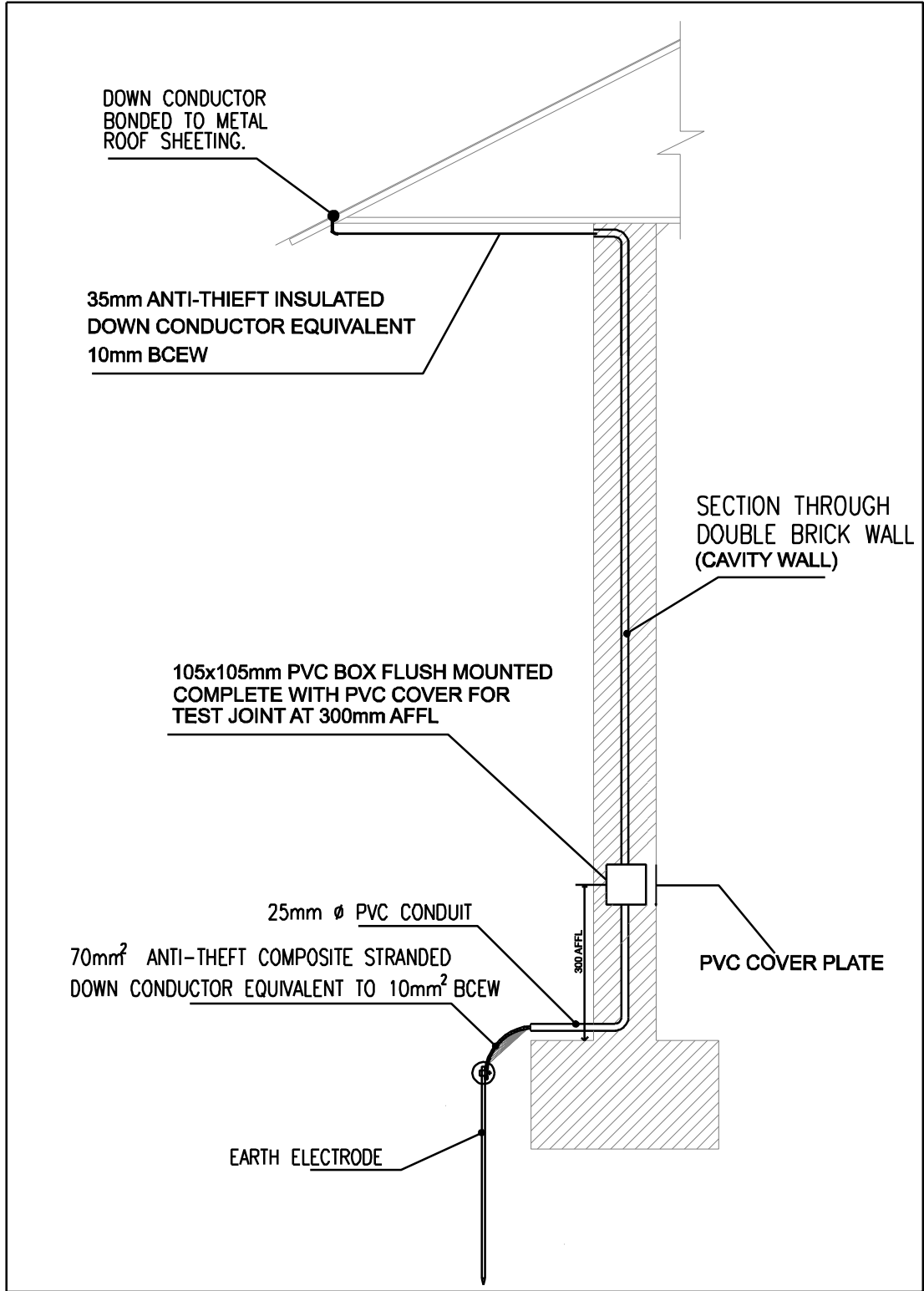
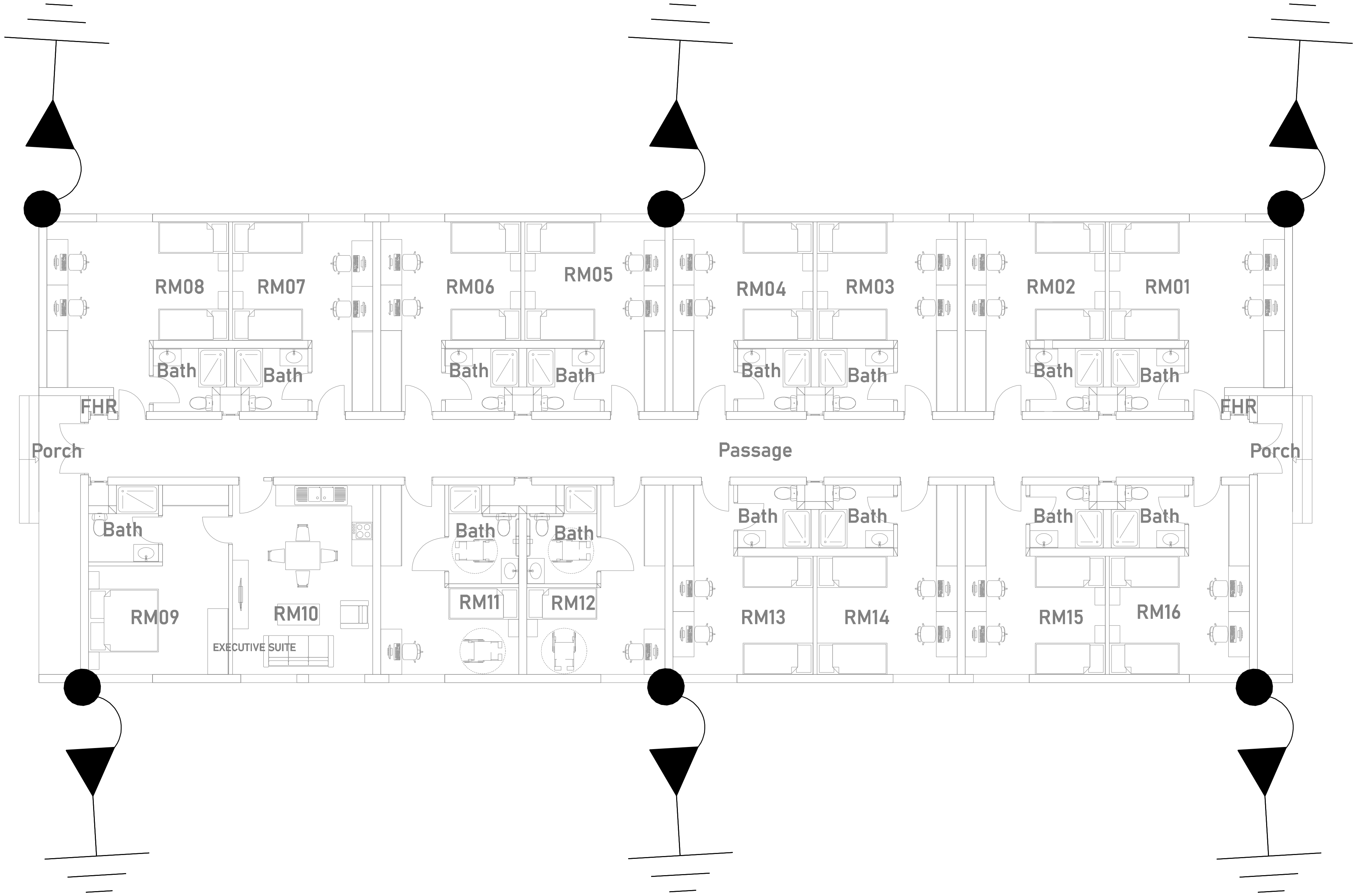




OPTION 2: TYPICAL DETAIL EARTHING
TYPICAL METHOD OF CONNECTING EARTH
ELECTRODES WITH DOWN CONDUCTOR
(INSTALLATION RECESSED IN WALL)
Scale: NTS



LEGEND	
	1 EXTENSIBLE COPPER EARTH ELECTRODE DRIVEN TO A DEPTH PREDETERMINED BY SOIL RESISTIVITY SURVEY.
	2 35mm - 50mm BARE COPPER EARTH CONDUCTOR BONDING DOWN CONDUCTOR TO EARTH ELECTRODE
	3 8MM ALUMINUM DOWN CONDUCTOR BETWEEN AIR AND EARTH TERMINATIONS WITH FINAL 1-2M LAID IN PVC CONDUITS.
	4 8MM ALUMINUM AIR TERMINATION LAID IN ALUMINUM ALLOY TERMINATIONS WITH FINAL 1-2M LAID IN PVC CONDUITS.
	5 BONDING SYMBOL
	6 BOND TO REINFORCING STEEL IN COLUMNS OR SLAB
	7 EARTH TERMINATION BOLTED TO STEEL
	8 WIRING TRUNKING
	9 50mm - 70mm COPPER EARTH CONDUCTOR
	10 EXOTHERMIC WELD
	11 INSPECTION PIT CHAMBER
	12 ELECTRODE WITHIN PIT CHAMBER
	13 EXPANSION LOOP IN AIR TERMINATION
	14 TEST JOINT HOUSING BOX (IN WALL)
	15 ALUMINUM DOWN CONDUCTOR LAID IN 2mm PVC CONDUIT (BUILT INTO WALL BY OTHERS)
	16 BUS BARE EARTH BAR
	17 MULTIPLE EARTH ELECTRODE GRID SYSTEM
	18 PVC COVERED 35mm - 50mm COPPER CABLE

REV. NO.	DATE	DESCRIPTION
A	19/08/26	TENDER STAGE

MUNICIPAL APPROVAL

NAME:.....

SIGNATURE:.....DATE:.....

STAMPS:

CLIENT

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

IMPLEMENTING AGENTS

DBSA
DEVELOPMENT BANK OF SOUTH AFRICA
Building Africa's Prosperity

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FIRM REG No: 0604250287
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DISCIPLINE

ELECTRICAL

PROJECT NAME

PROPOSED CONFERENCE CENTRE & HOTELS
AT NYSVLEI NATURE RESERVE ON BEHALF
OF LIMPOPO ECONOMIC DEVELOPMENT
& TOURISM (LEDET)

PROJECT STATUS	
STAGE 1-3	STAGE 4
CONCEPT	TENDER
DESCRIPTION	CONSTRUCTION
HOTEL EARTHING & LIGHTNING PROTECTION LAYOUT	
SCALE: 1:75	
DRAWN: NAME OF COMPETENT PERSON: GRACE MAMBOYA	CHECKED: NAME OF COMPETENT PERSON: MAURICE BOKABO
REG No: SIGNATURE	REG No: 201470146 SIGNATURE
PROJECT NUMBER:	
NATURE OF PROJECT:	
OCCUPANCY CLASSIFICATION: H2	
DWG No: 2601-E-ELP-02	
REV No: A	