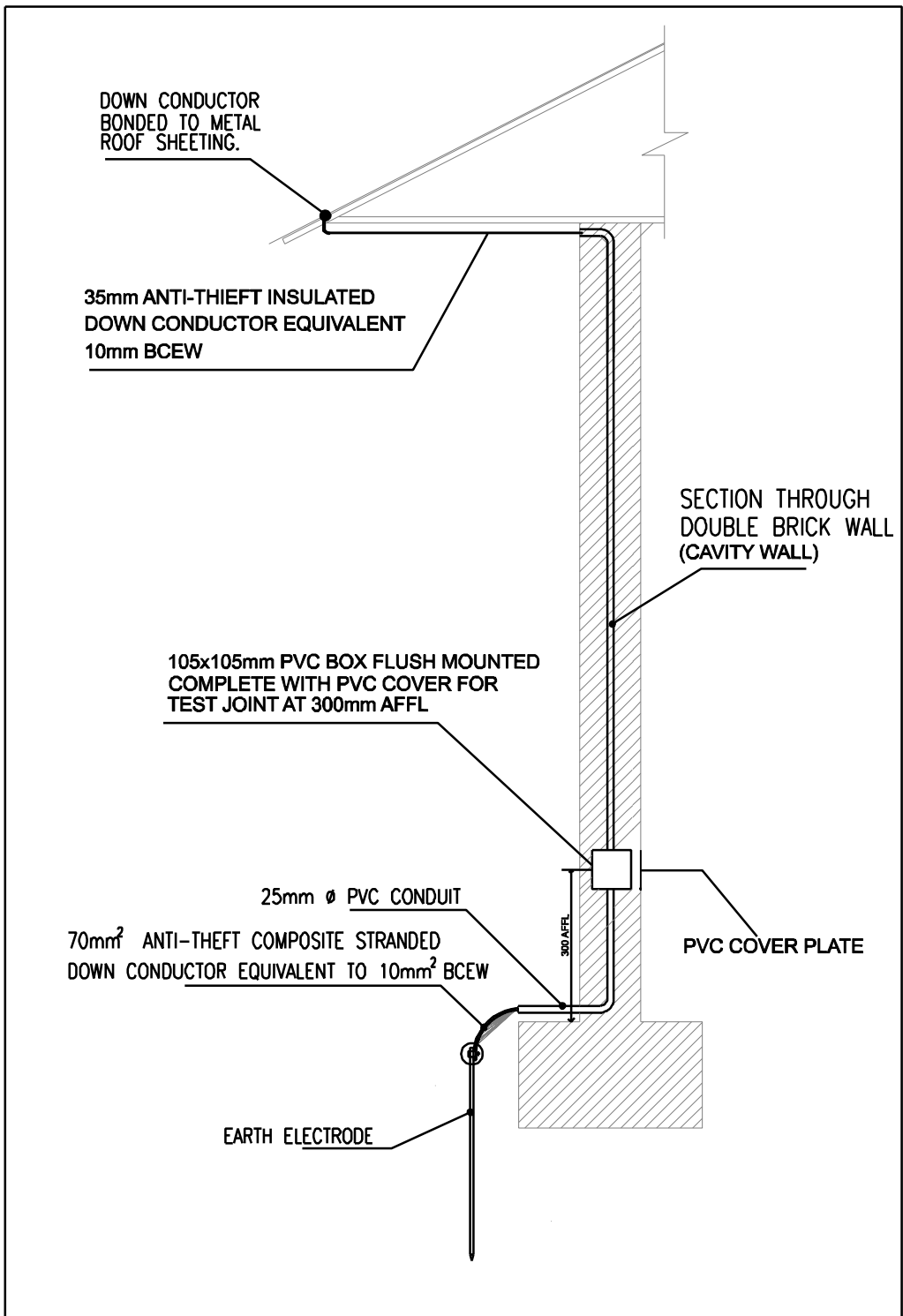
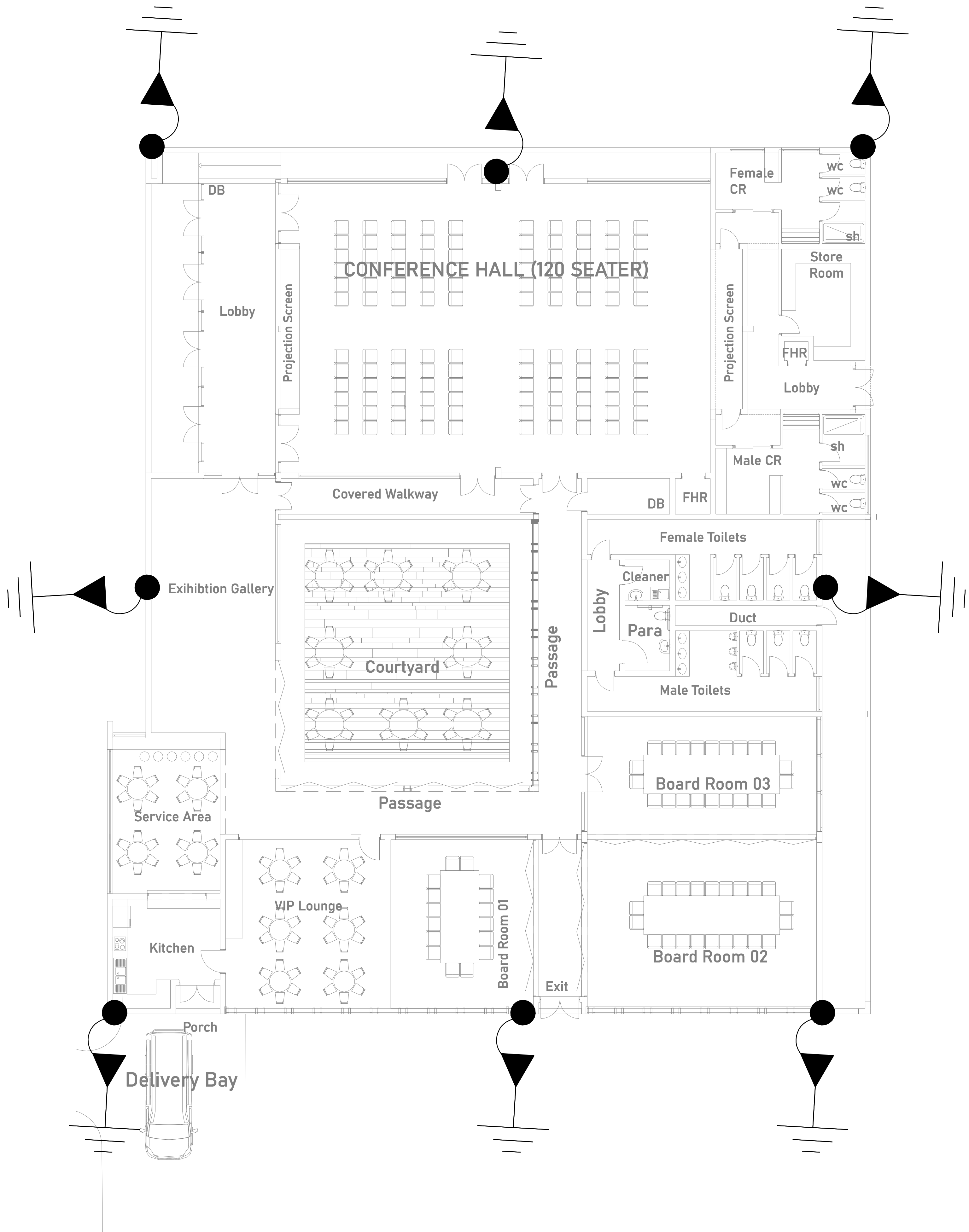




OPTION 2: TYPICAL DETAIL EARTHING
TYPICAL METHOD OF CONNECTING EARTH
ELECTRODES WITH DOWN CONDUCTOR
(INSTALLATION RECESSED IN WALL)
Scale: NTS

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 ALUMINIUM DOWN CONDUCTOR BETWEEN AIR AND EARTH TERMINATIONS WITH FINAL 1-2M LAID IN PVC CONDUITS.
	4 8mm ALUMINIUM AIR TERMINATION LAID IN ALUMINIUM 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 PITCH CHAMBER
	13 EXPANSION LOOP IN AIR TERMINATION
	14 TEST JOINT HOUSING BOX (IN WALL)
	15 ALUMINIUM DOWN CONDUCTOR LAID IN 2mm PVC CONDUIT (BUILT INTO WALL BY OTHERS)
	16 BUS BAR/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:

CIENT

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

IMPLETING AGENTS

DBSA
DEVELOPMENT BANK OF SOUTH AFRICA
Building Africa's Prosperity

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FIRM REG No: 0604230287
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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	STAGE 5-6
CONCEPT	☒ TENDER	CONSTRUCTION
DESCRIPTION		SCALE: 1:100
CONFERENCE CENTRE EARTHING & LIGHTNING PROTECTION LAYOUT		
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:	DWG No: 2601-E-ELP-01
OCCUPANCY CLASSIFICATION: H2	REV No: A