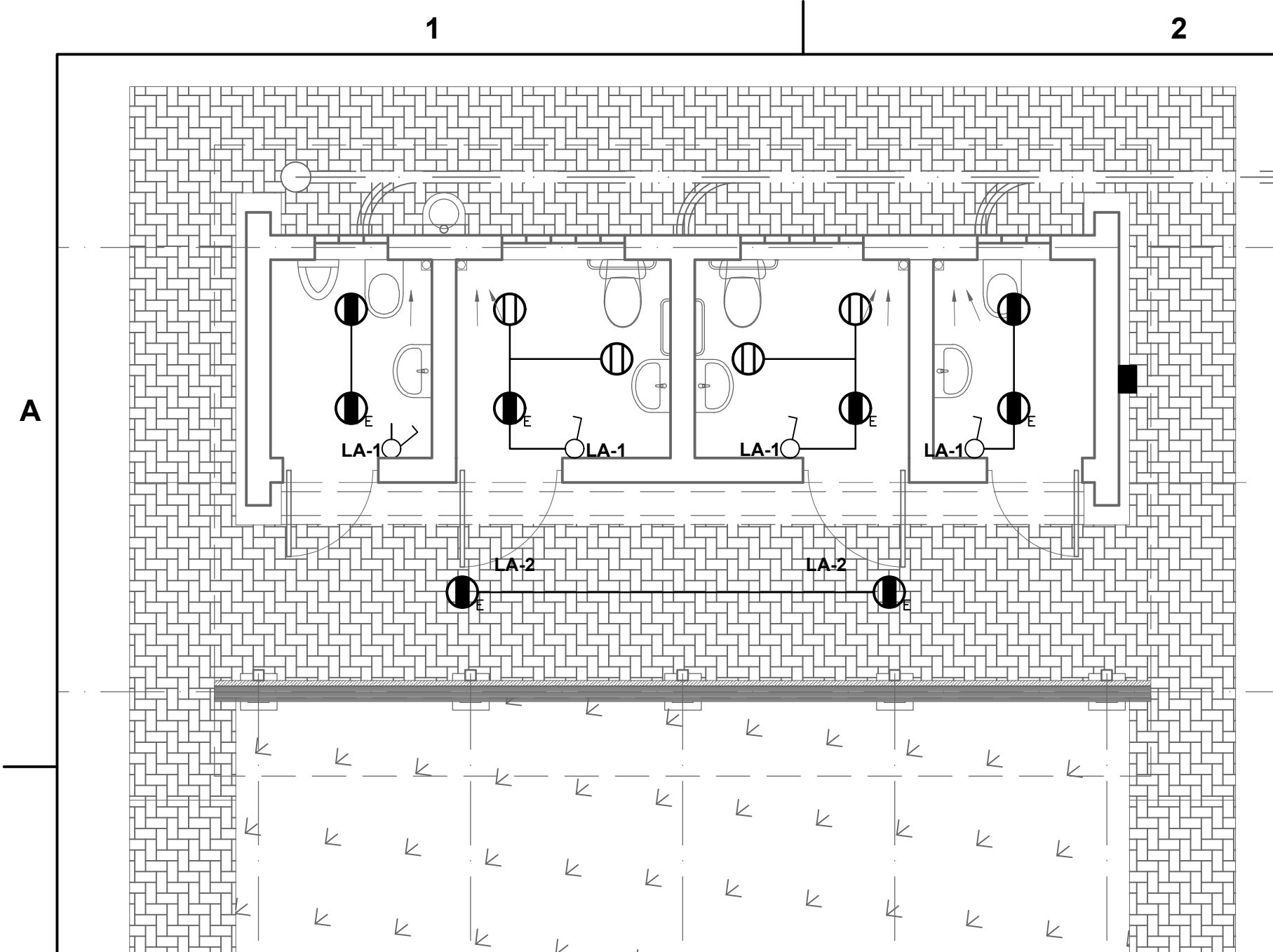
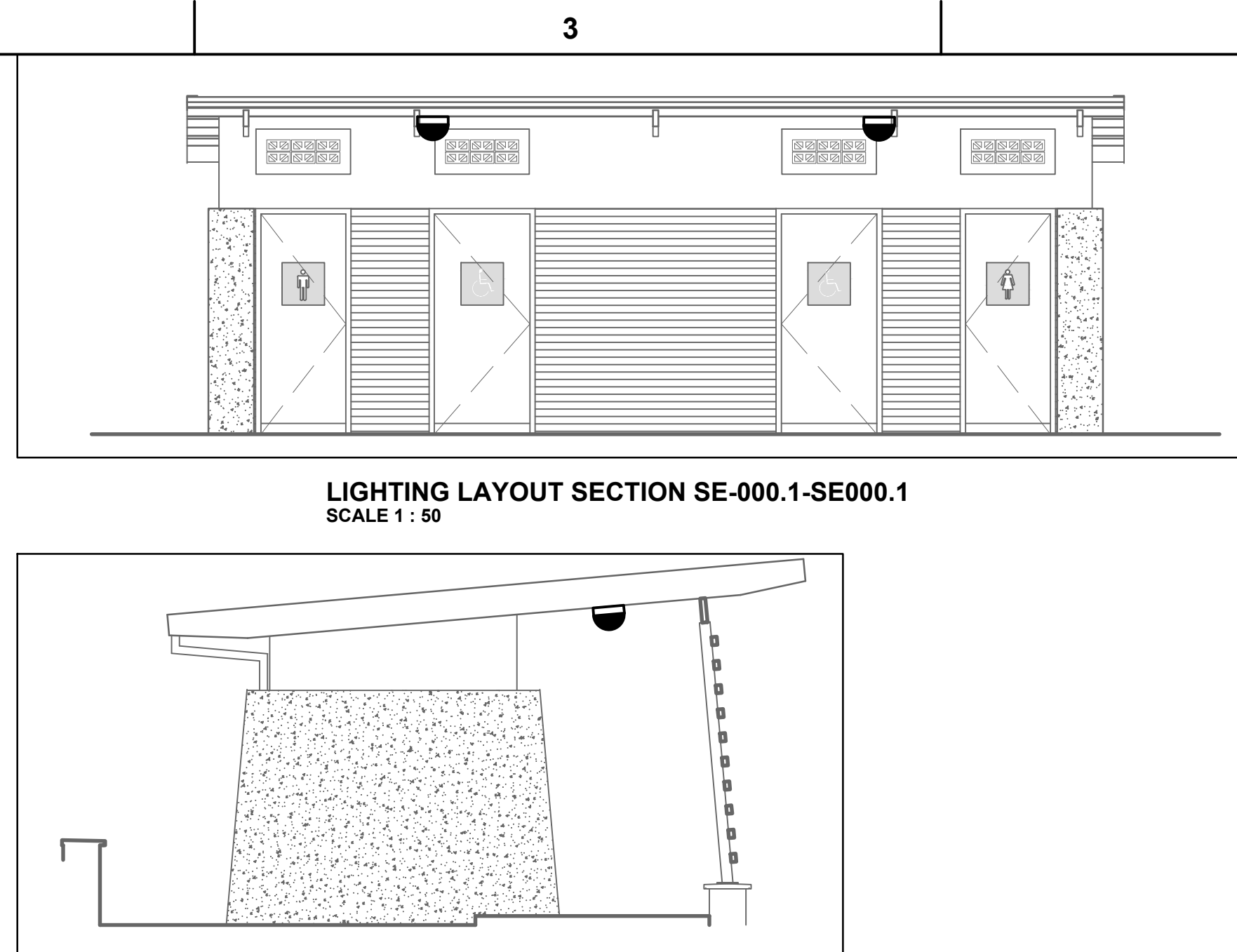
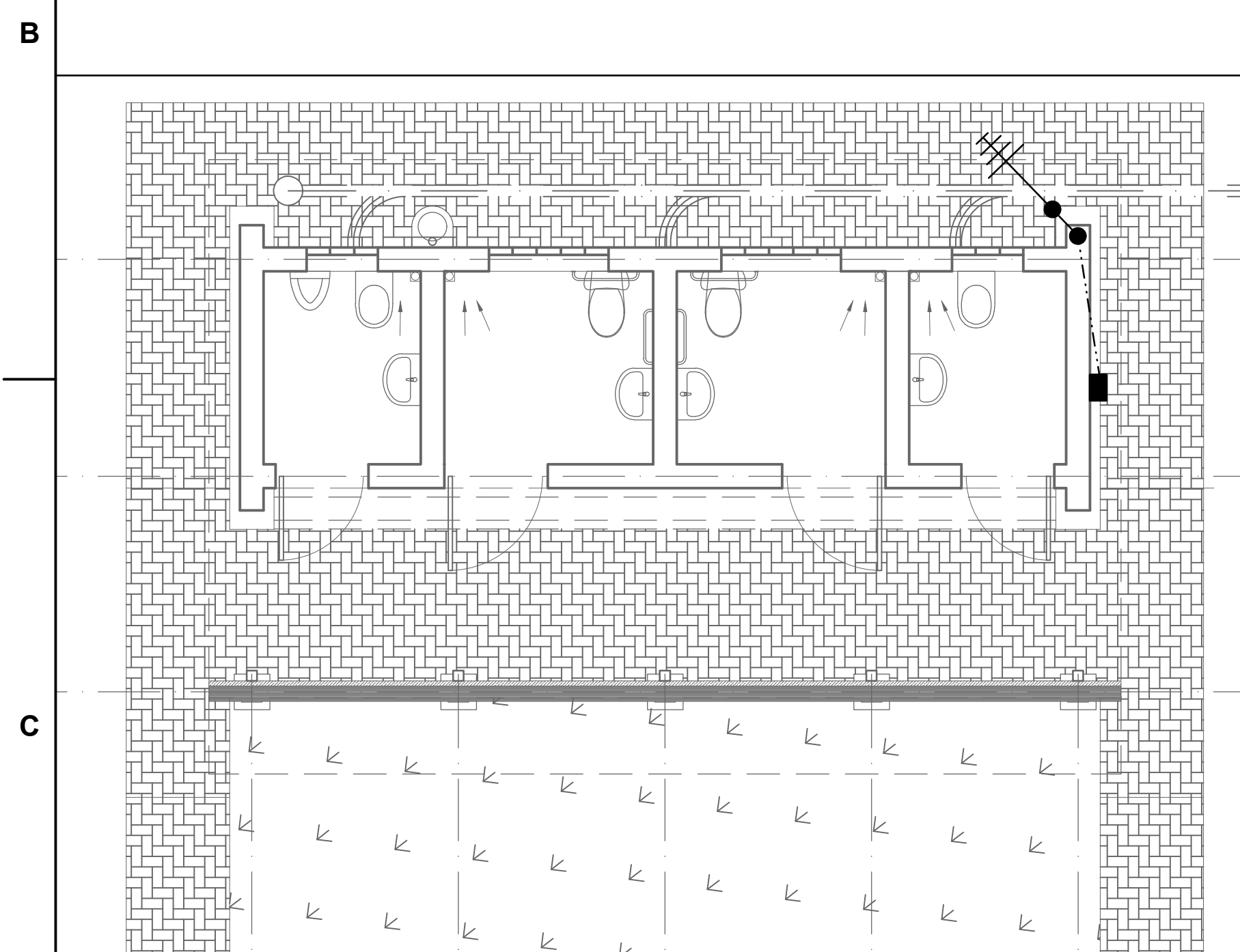




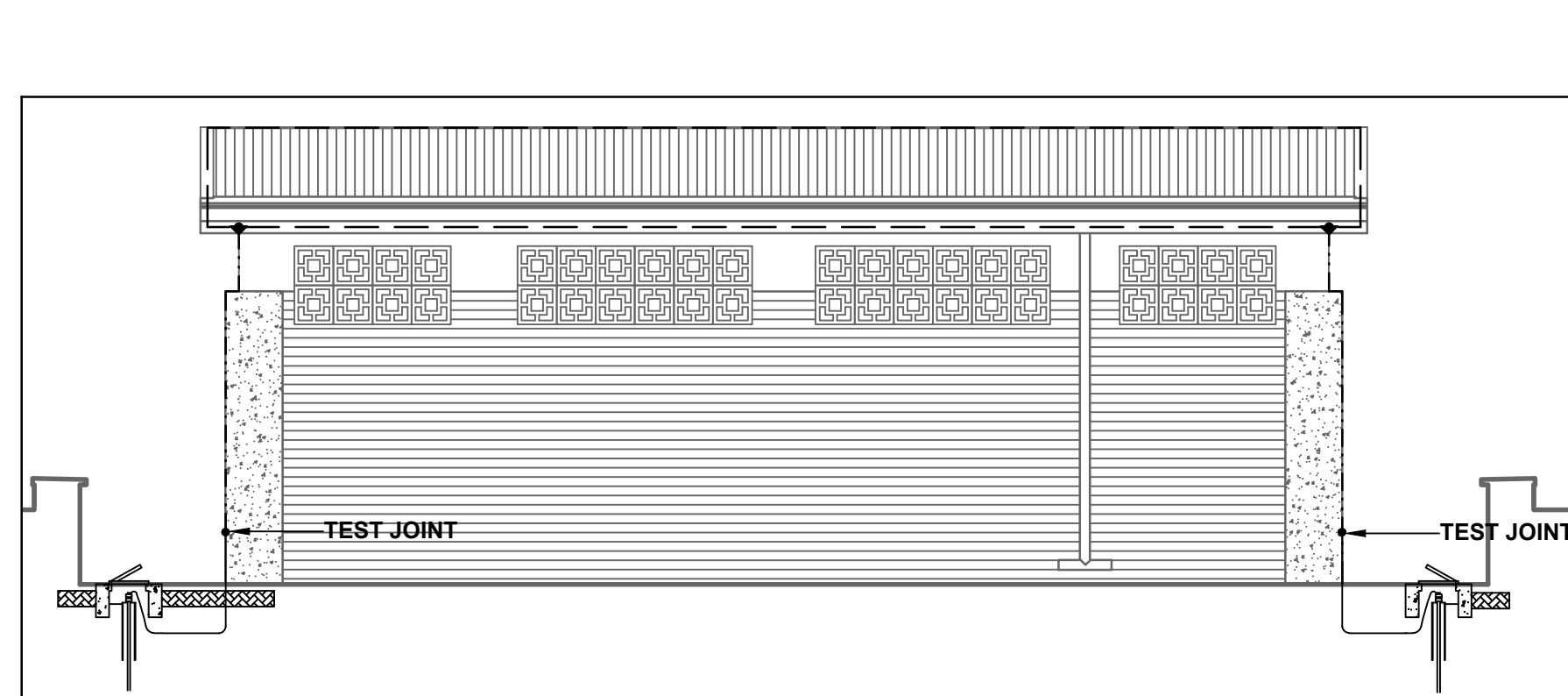
 **LIGHTING LAYOUT FLOOR PLAN**
SCALE 1 : 50



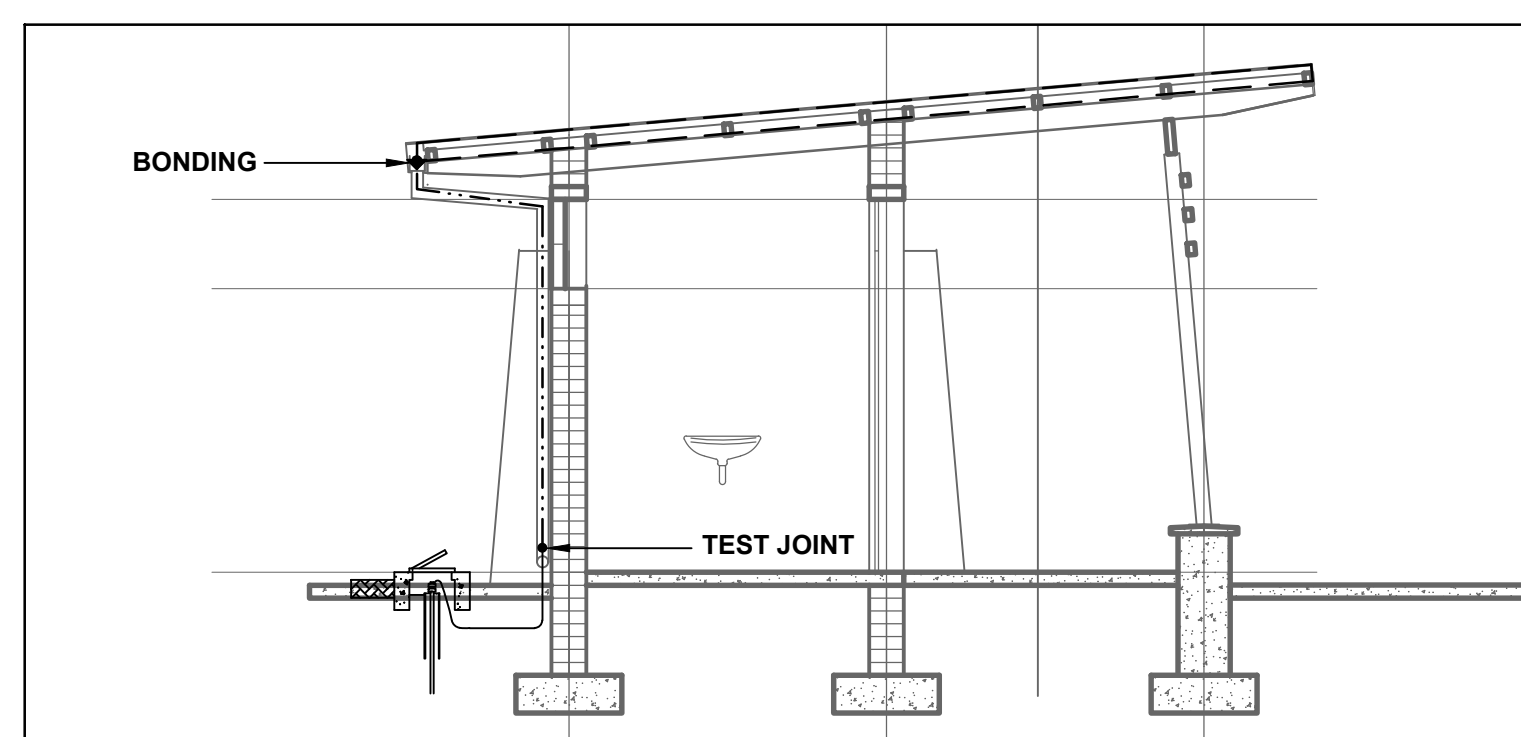
 **LIGHTING LAYOUT SOUTH WEST ELEVATION**
SCALE 1 : 50



 **TYPICAL EARTHING & LIGHTNING PROTECTION LAYOUT**
SCALE 1 : 50



 **TYPICAL EARTHING & LIGHTNING PROTECTION LAYOUT**
SCALE 1 : 50

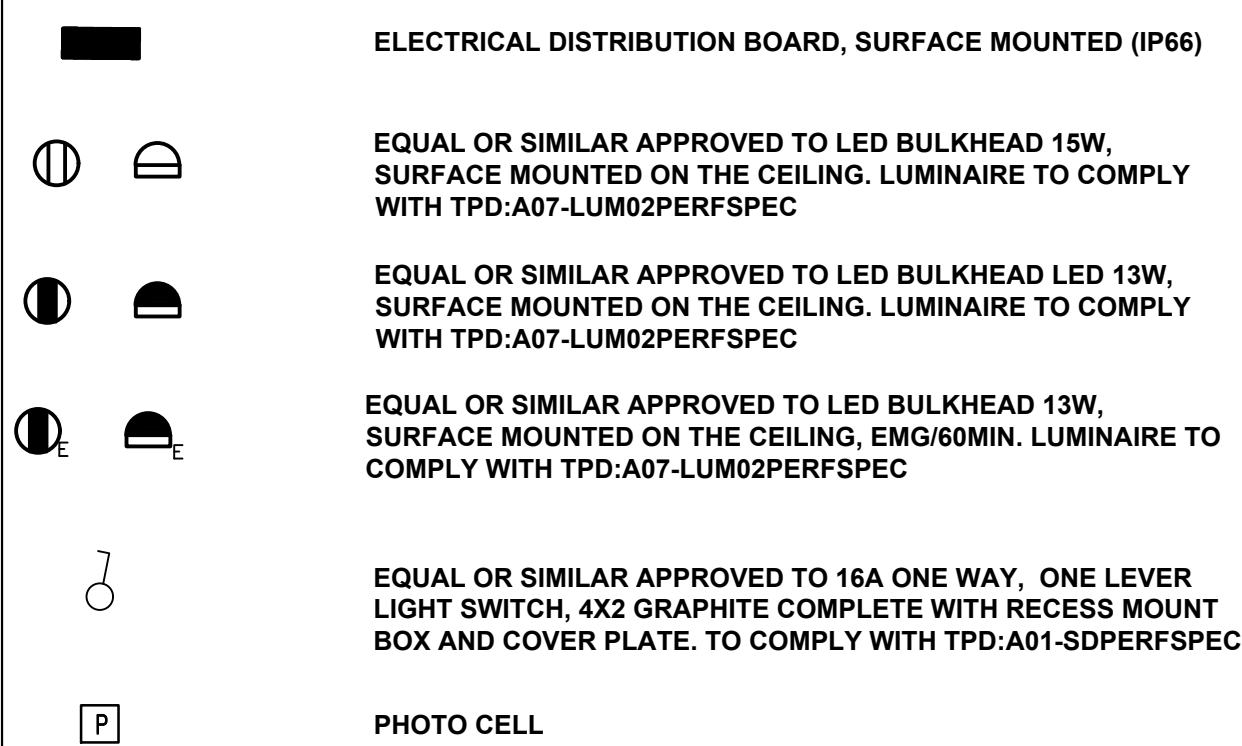


 TYPICAL EARTHING & LIGHTNING PROTECTION LAYOUT
SCALE 1 : 50

ELECTRICAL NOTES:

1. THIS DRAWING FOR ELECTRICAL LIGHTING & POWER ONLY.
2. A CERTIFICATE OF COMPLIANCE TO BE COMPLETED AND SUBMITTED BY THE CONTRACTOR ON COMPLETION OF WORK.
3. ELECTRICAL, DATA AND COMMS AND FIRE SUB- CONTRACTORS TO CO-ORDINATE ALL REQUIREMENTS FOR WIREWAYS, CONDUIT AND OTHER SERVICES THAT ASSOCIATED WITH THE EQUIPMENT (CONTRACTORS DESIGN).
4. ALL WORK MUST COMPLY WITH THE GENERAL REQUIREMENTS OF SANS 10142-1 (as amended), THE CONTRACTOR AND PANEL MANUFACTURER IS REFERRED SPECIFICALLY TO CLAUSE 6.6.6.6.216.6.316.6.4 AND 6.6.5.
5. ALL ALTERNATIVES (OR SIMILAR) LIGHTING AND FIXTURES TO BE ACCEPTED BY ELECTRICAL ENGINEER PRIOR TO ORDERING
6. THE CONTRACTOR SHALL DO AN ASSESSMENT OF THE EXISTING ELECTRICAL SYSTEM AND FIRE AND DO NOTHING TRYER TO ENSURE THAT THE SYSTEM HAS POWER TO THE EXISTING INFRASTRUCTURE THE TEST SHALL INCLUDE BUT NOT LIMITS, CABLES, CIRCUIT BREAKERS, EARTHING CONDUCTORS THAT FEED THE RISK NO. 13.14.15.
7. THE CONTRACTOR SHALL DO ALL THE ALTERATIONS ON THE EXISTING HANGING KIOSK TO SUIT THE NEW FEEDING ARRANGEMENT AS PER THE DRAWING.
8. THE CONTRACTOR TO ENSURE THAT THERE IS BALANCE OF PHASES ON THEIR INSTALLATION.

LEGEND



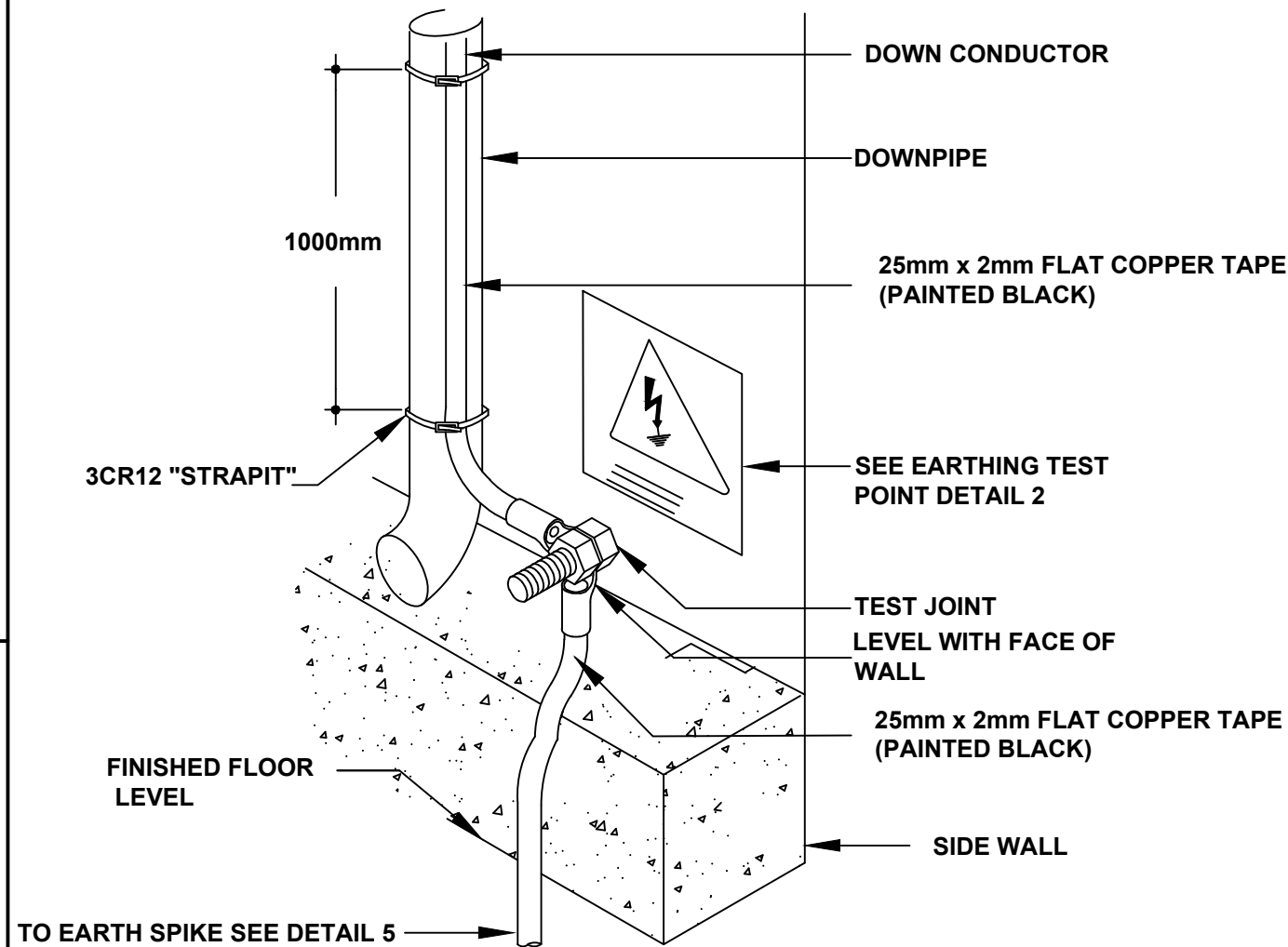
TEST SPECIFICATION

MATERIAL	STAINLESS STEEL 316
BACKGROUND INFORMATION	ENGRAVED AND PAINTED

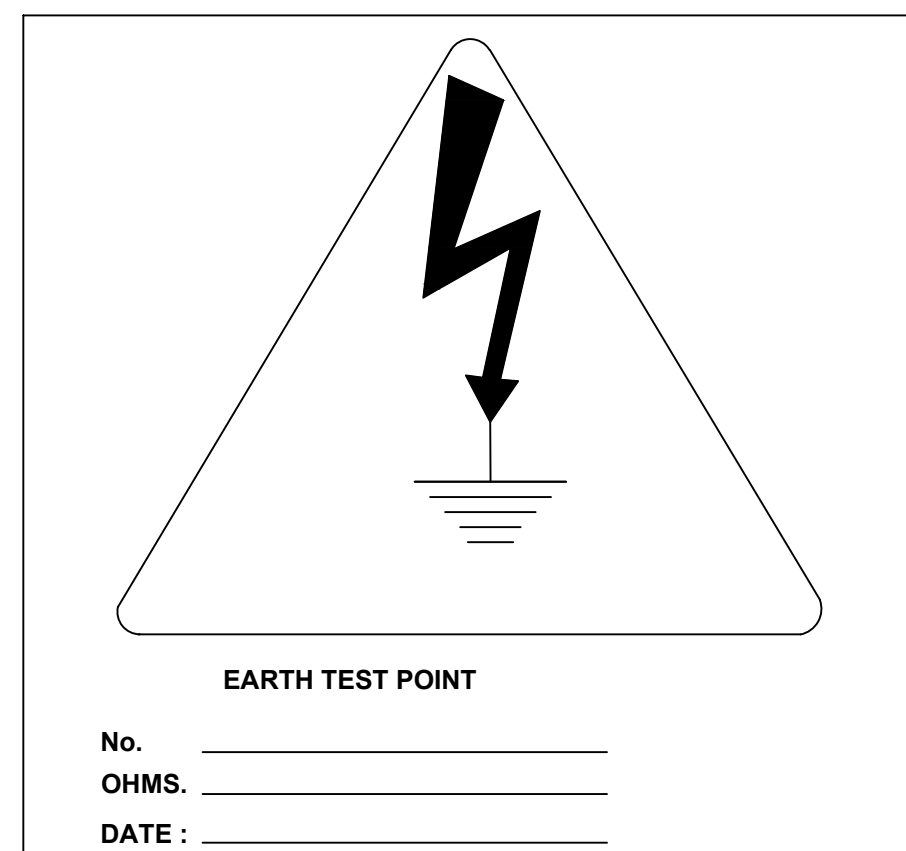
NOTES

1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.

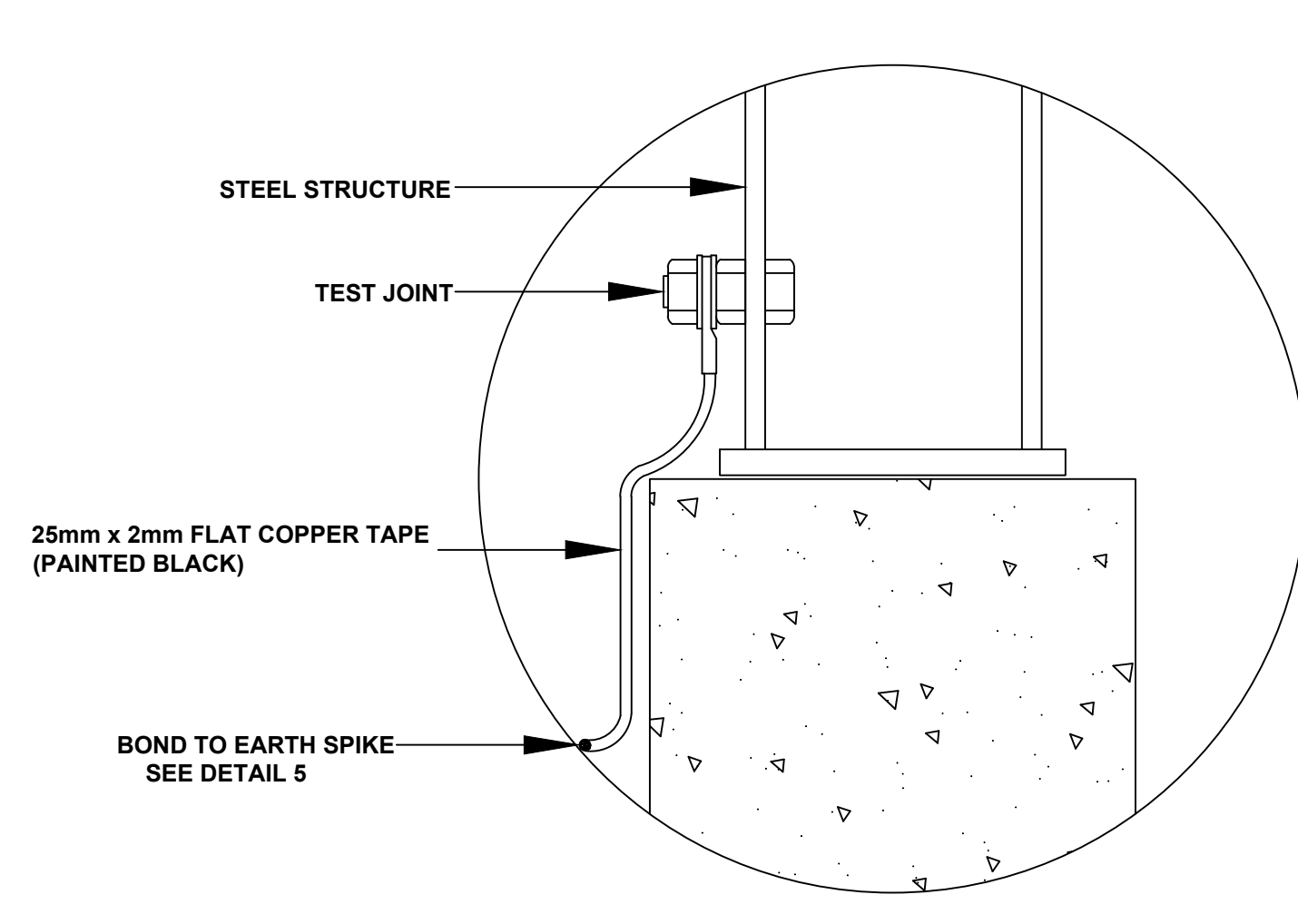
EARTHING DOWNPIPE DETAIL 1



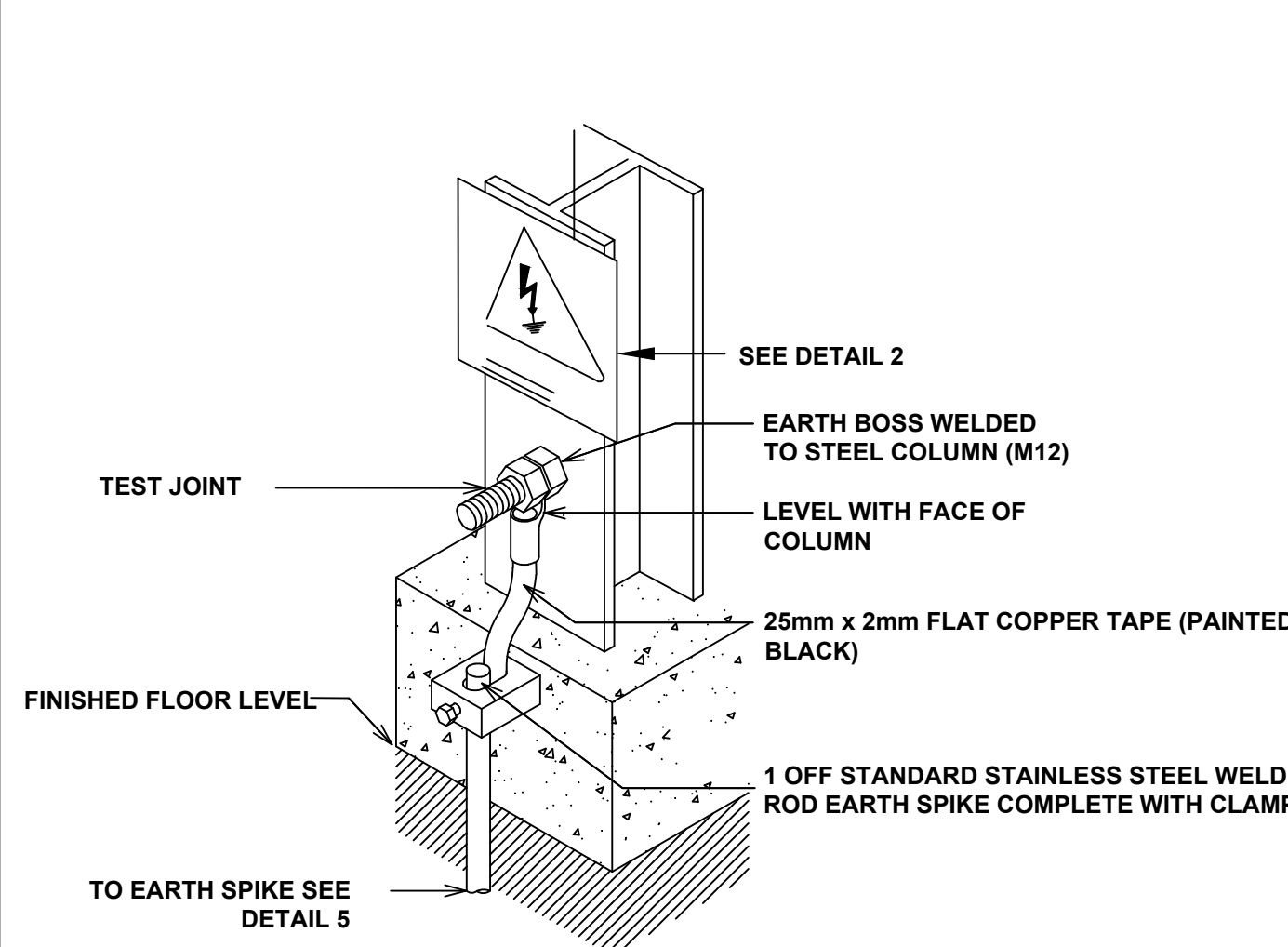
TEST POINT DETAIL 2



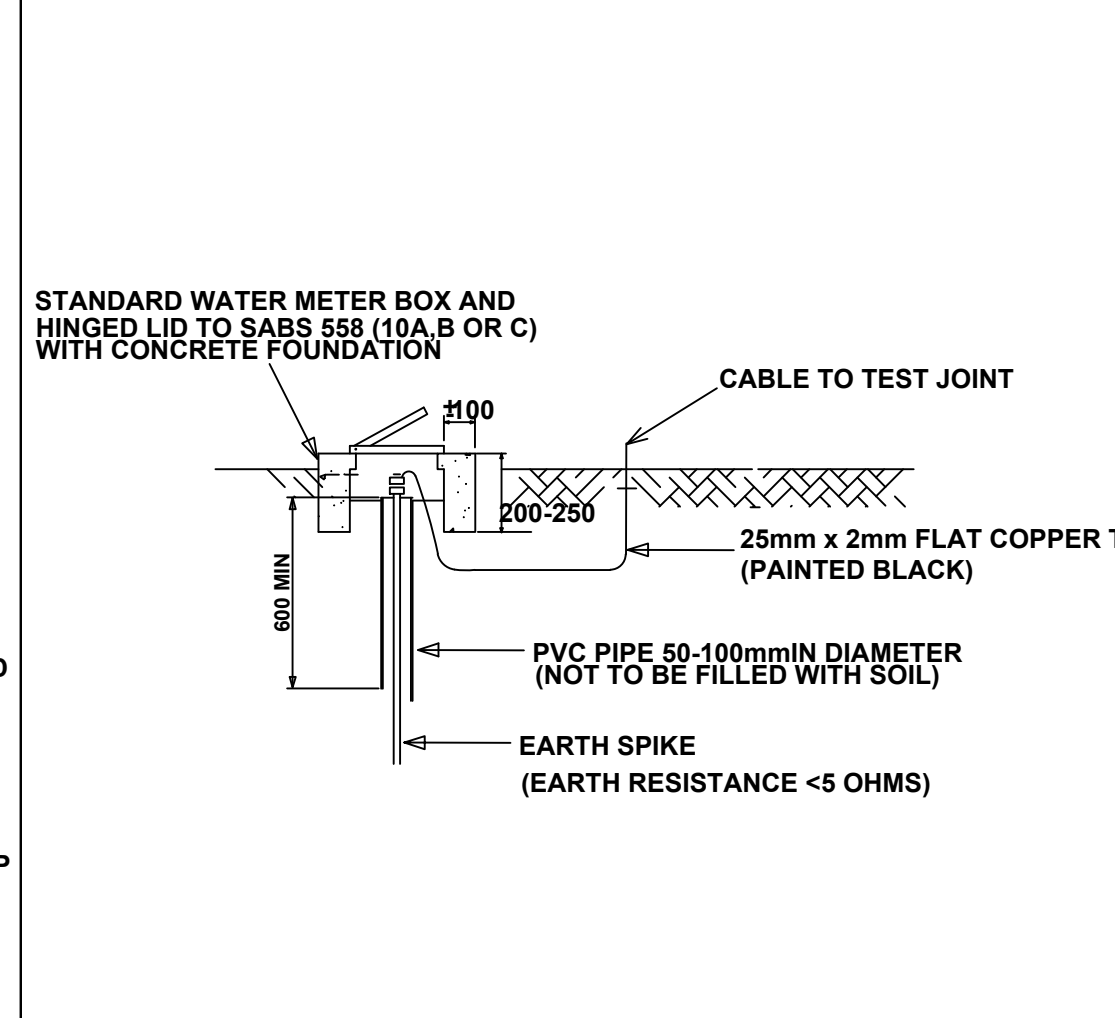
BONDING OF COPPER CABLE TO STEEL STRUCTURE DETAIL 3



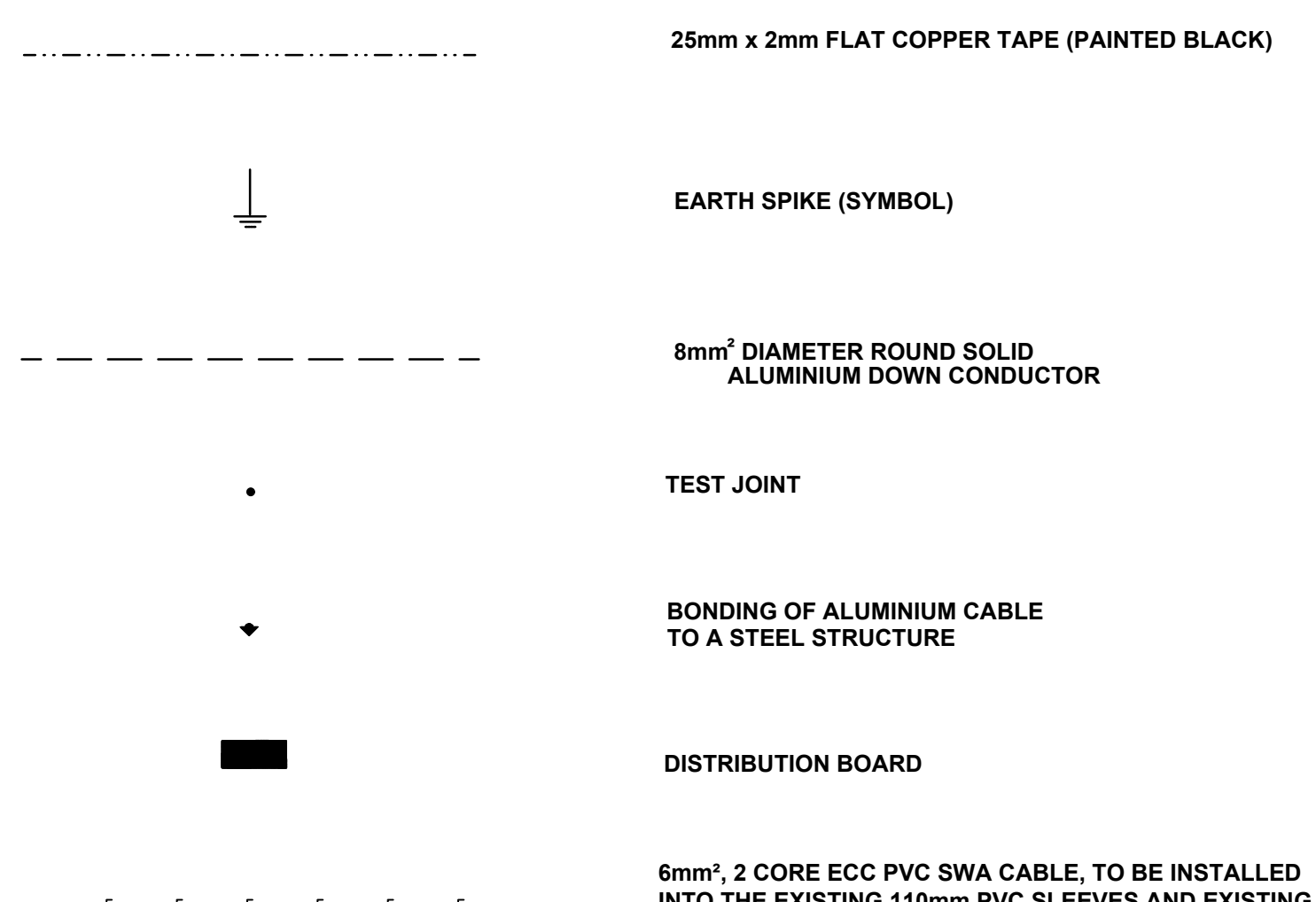
EARTHING DETAIL 4



EARTH SPIKE DETAIL 5



LEGEND AND SYMBOL

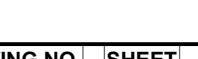


	</								

CONTRACTOR / CONSULTANT				TRANSPORT NATIONAL PROJECTS AUTHORITY			
TITLE	NAME	SIGN	DATE	TITLE	NAME	SIGN	DATE
				DRAWN	PM		08 05 21
				CHECKED	SM		08 05 21
				DESIGNED	PM		08 05 21
				CHECKED	SD		08 05 21

OPERATING DIVISIONS			
TITLE	NAME	SIGN	DATE

PR.ENG./PR.TECH./PR. ARCH	
NAME	S. SEVDAYAL
SIGNATURE	
REG. NUMBER	200970129
SCALE:	AS SHOWN

Transnet National Ports Authority										TRANSNET	
237 MAHATMA GANDHI ROAD DURBAN											
P.O. BOX 1073, DURBAN										TEL: 031 361 1000 FAX: 0866 770915	
											
PORT OF DURBAN											
UPGRADE OF THE NORTH GROYNCE: CONSTRUCTION OF ABLUTION BLOCK											
ELECTRICAL LIGHTING & POWER LAYOUT											
PROJECT NUMBER	DO	FBS	DATE	DRAWING NO.	SHEET	REV	IO	TO			
X D N E O 4 8 1 - 1	0 0 0	E T L	T Y P E	0 0 0 3	0 2	O A T	C O				