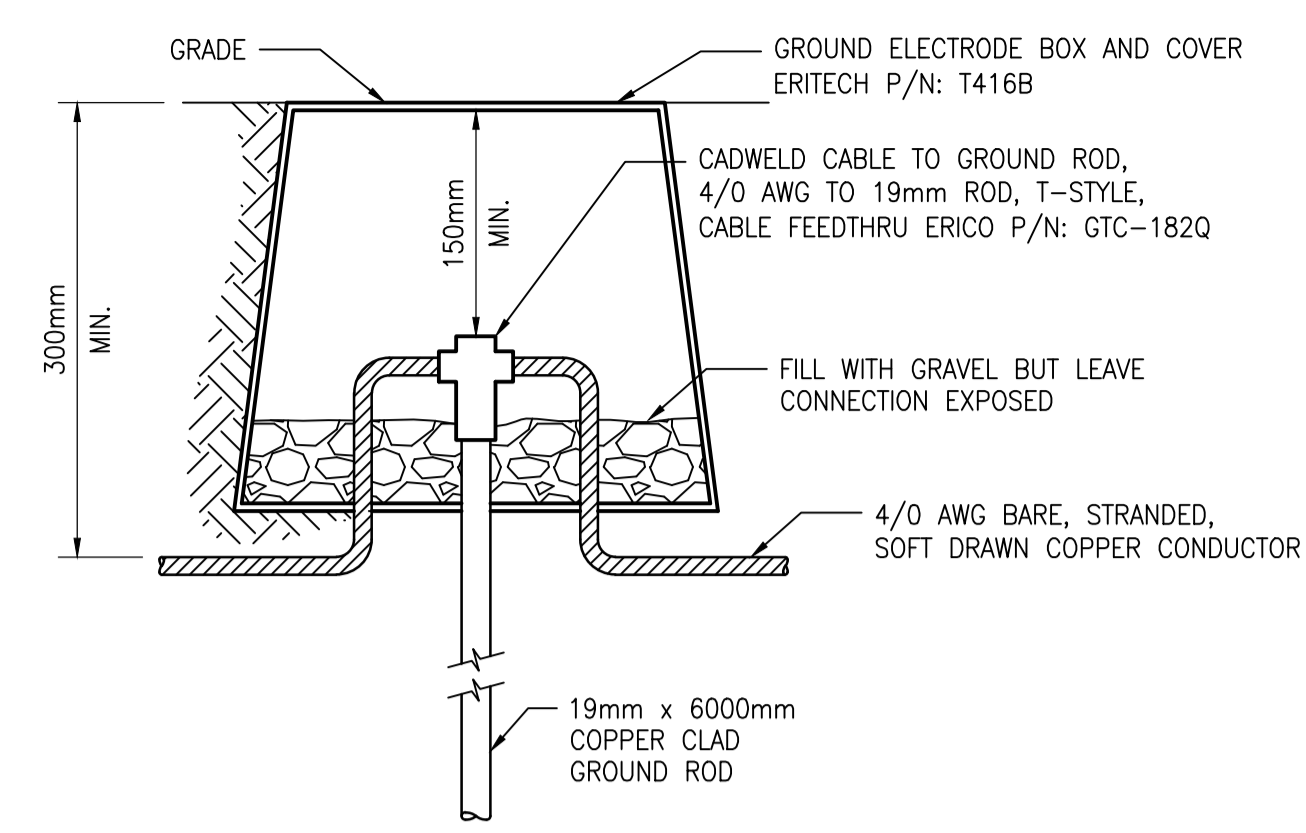
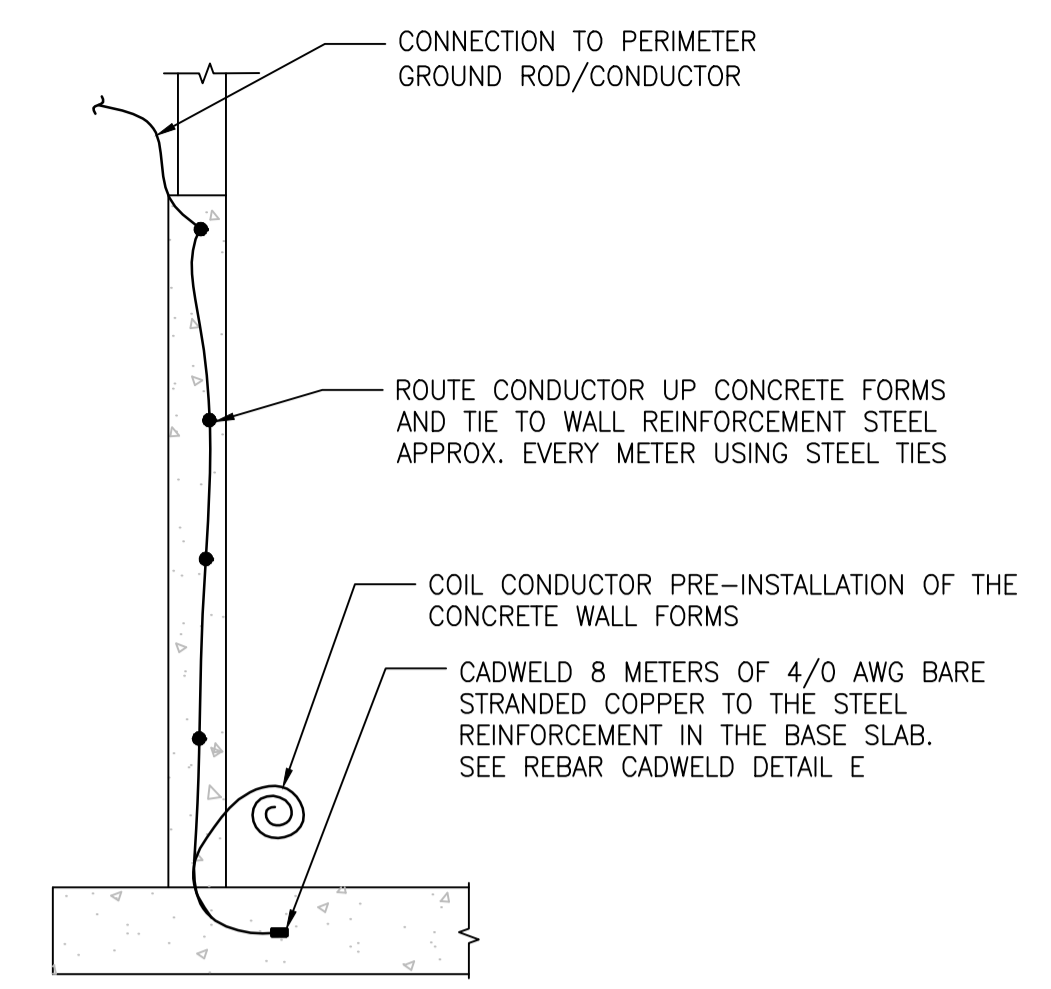


A GROUND ROD ASSEMBLY
NTS

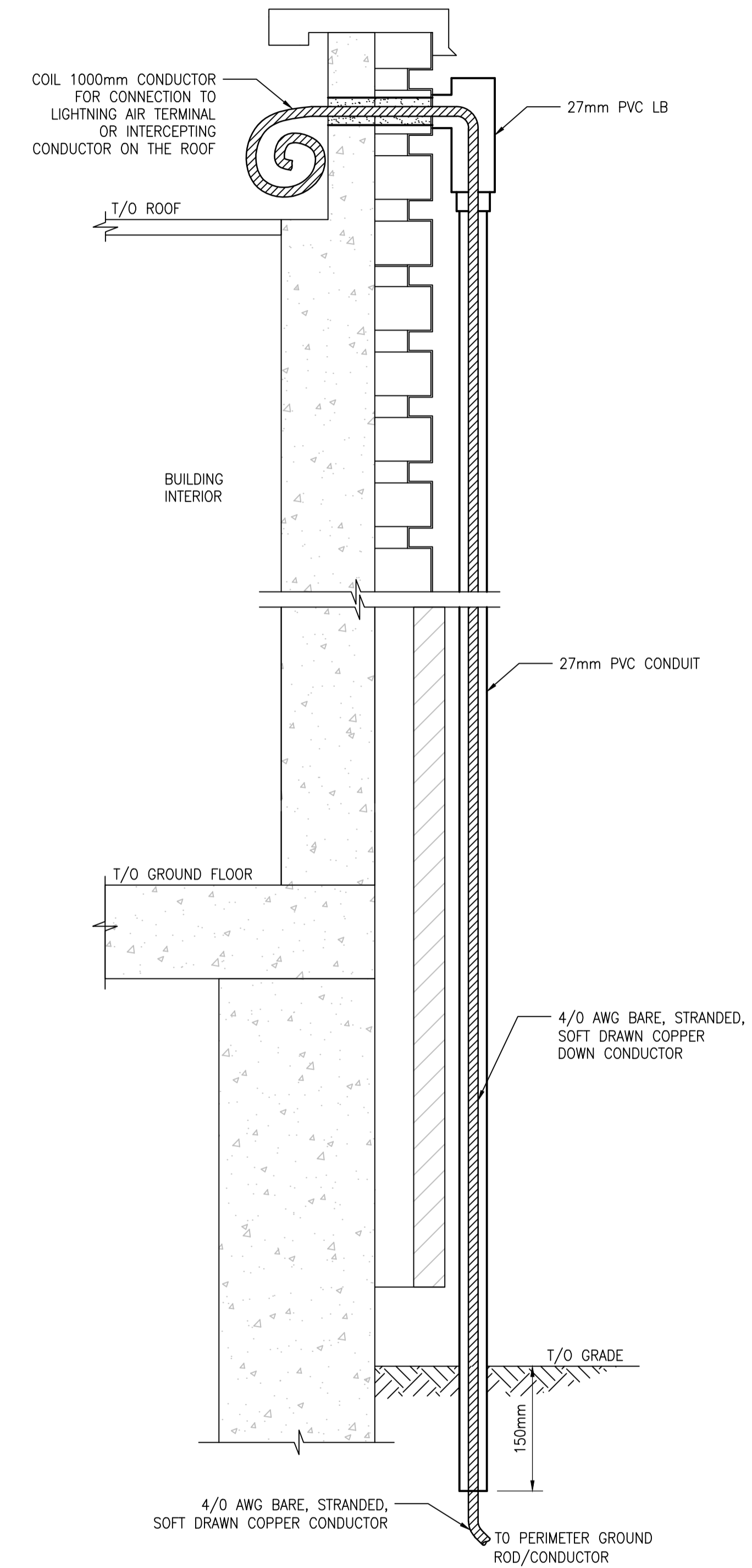


B GROUND ROD WITH GROUND WELL
NTS

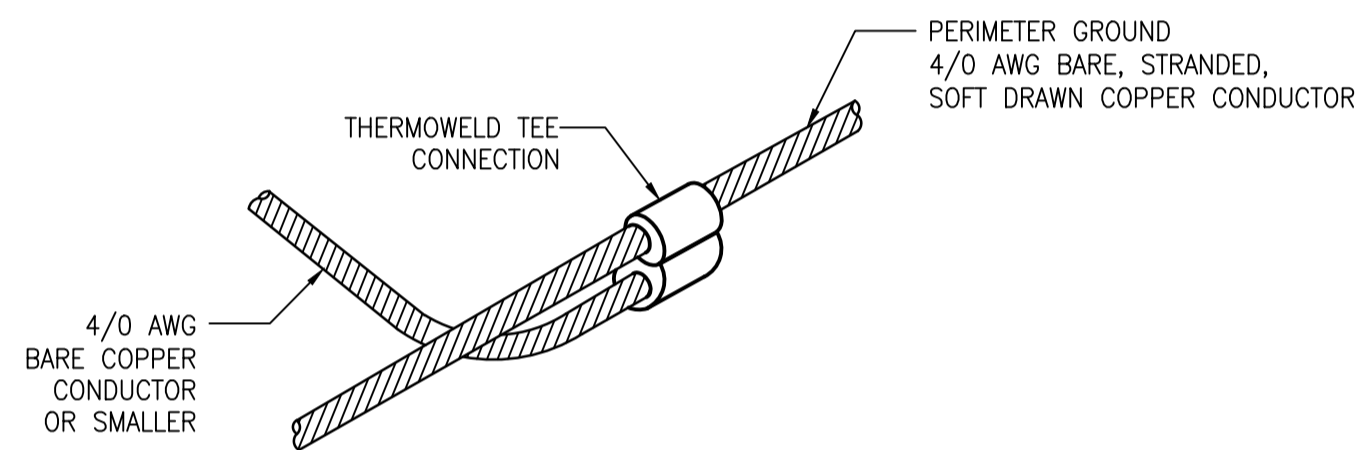


C UFER GROUND
NTS

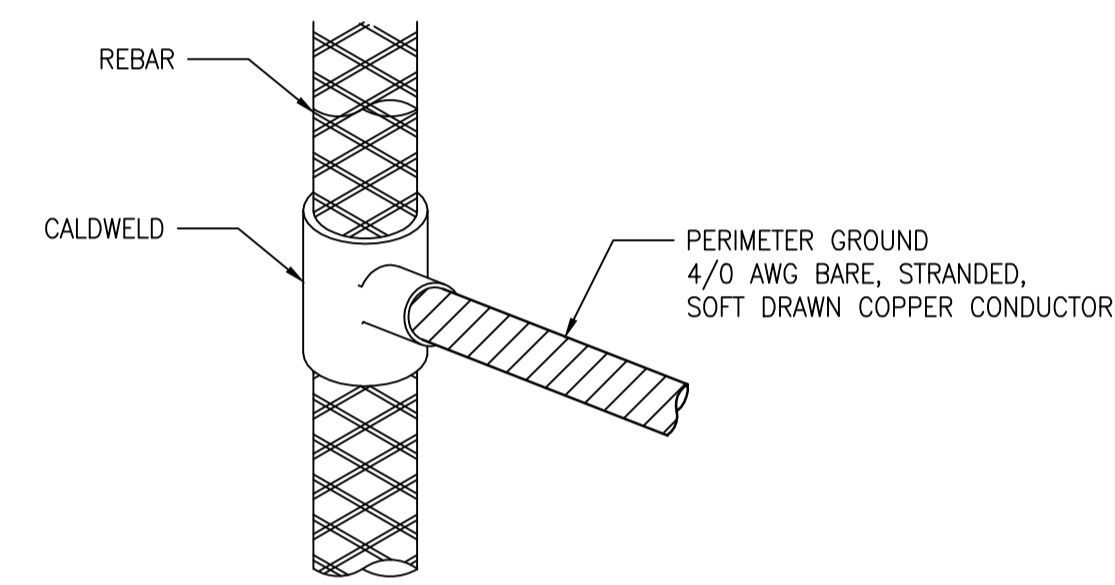
- GENERAL NOTES:**
1. ALL PVC CONDUIT TO BE RIGID TYPE.
 2. ALL METALLIC CONDUIT TO BE RIGID, THREADED, ALUMINUM.
 3. ALL SLACK CONDUCTOR LENGTHS TO ALLOW FOR FROST HEAVING AT INTERVALS WHERE GROUND CONDUCTORS ARE AFFIXED TO FACILITY STRUCTURES.
 4. ALL CONDUIT ROUTING SHALL BE APPROPRIATELY SUPPORTED.
 5. PROVIDE WEATHERPROOF SEAL TO ALL CONDUIT PENETRATION INTO THE BUILDING.



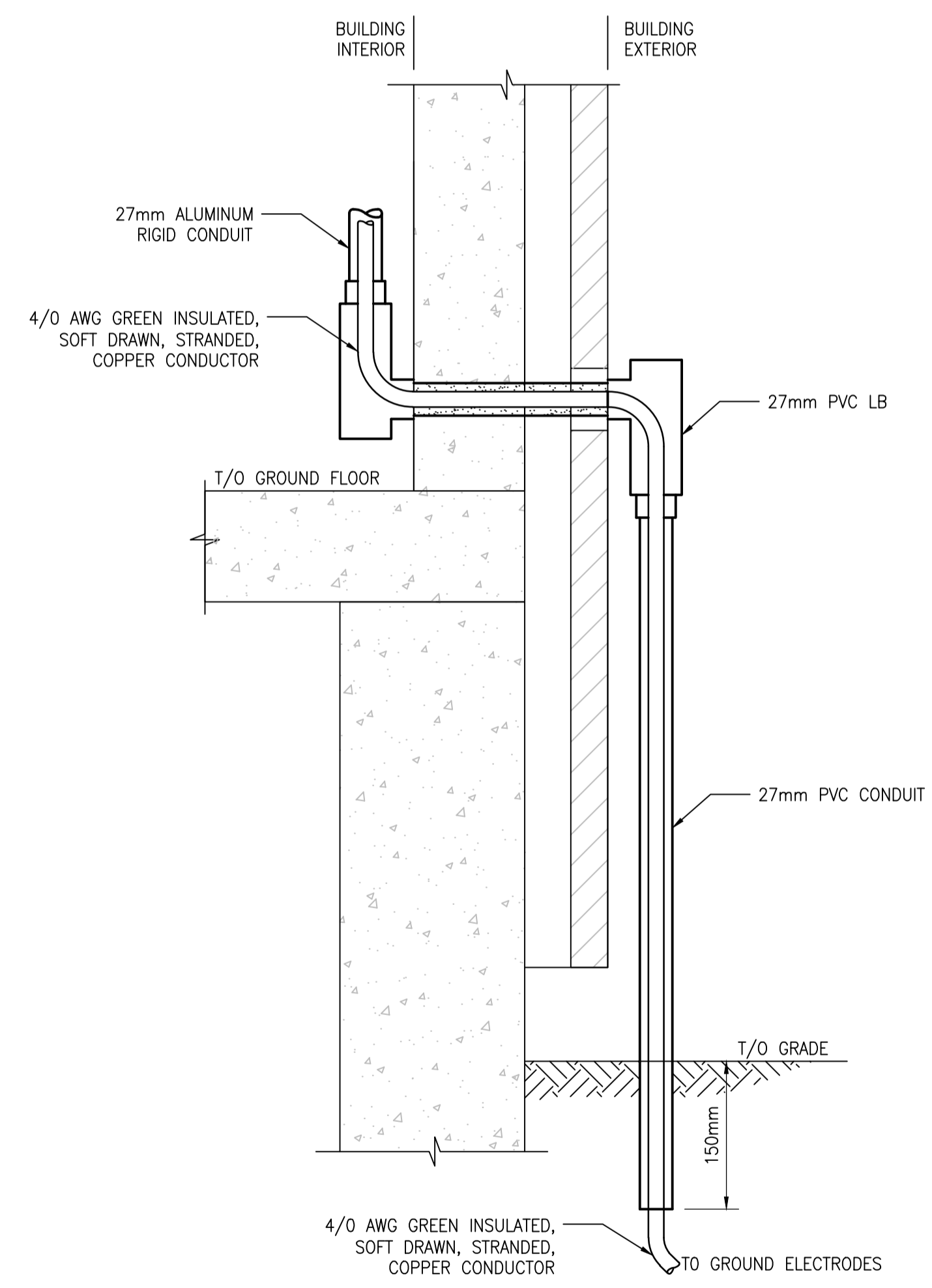
J LIGHTNING PROTECTION DOWN CONDUCTOR
NTS



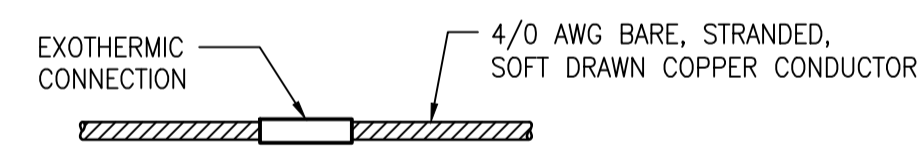
D GROUND CONDUCTOR TEE - BURIED
NTS



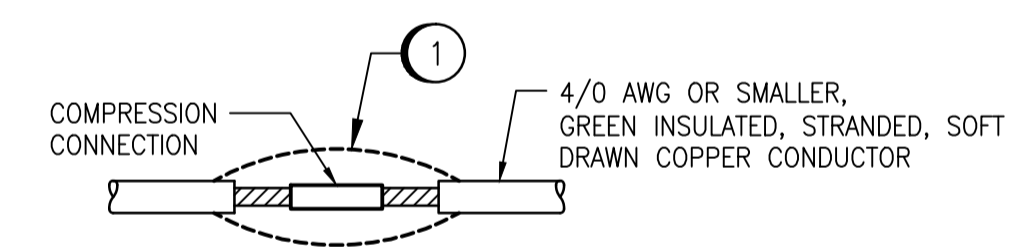
E REBAR CADWELD
NTS



H BUILDING ENTRY ABOVE GROUND
NTS



F GROUND CONDUCTOR SPLICE - BURIED
NTS



G GROUND CONDUCTOR SPLICE - INDOORS
NTS

SPECIFIC NOTES:

1. COVER ENTIRE BARE COPPER AREA WITH TWO WRAPS OF SELF-ANNEALING ELECTRICAL TAPE. COVER WITH ONE LAYER OF GREEN ELECTRICAL TAPE.



CH2MHILL.		ENGINEER'S SEAL	
SNC-LAVALIN		KCS GROUP CONSULTING ENGINEERS	
DESIGNED BY: S. JUGANAS	CHECKED BY: D. BECKER	PRELIMINARY NOT FOR CONSTRUCTION	
DRAWN BY: S. JUGANAS	APPROVED BY: D. BECKER		
SCALE: NTS	ISSUED FOR CONSTRUCTION BY:	CITY DRAWING NUMBER 1-0102-EGRD-K003	
DATE:	DATE:		
00 ISSUED FOR TENDER	08/2015	SLJ	DEB
NO. REVISIONS	DATE	DESIGN	CHECK
CONSULTANT NO.: 474248		SHEET REV. SIZE 001 00 A1	

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	
SOUTH END WATER POLLUTION CONTROL CENTRE SEWPPC UPGRADING/EXPANSION PROJECT ELECTRICAL - GROUNDING HIGH RATE CLARIFICATION DETAILS	
CITY DRAWING NUMBER 1-0102-EGRD-K003	SHEET REV. SIZE 001 00 A1