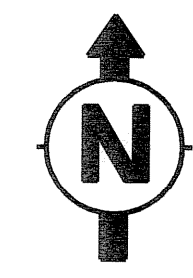
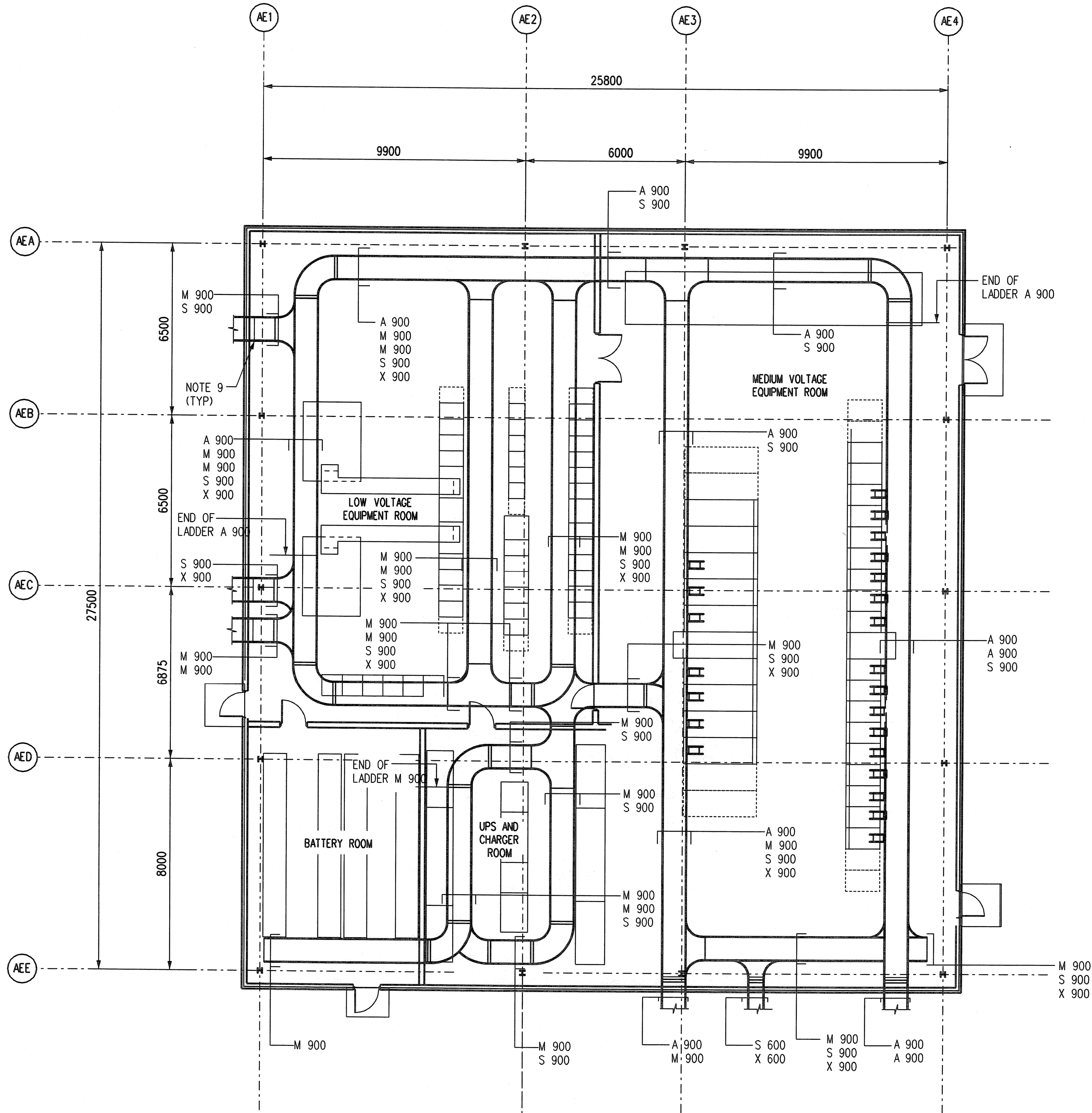
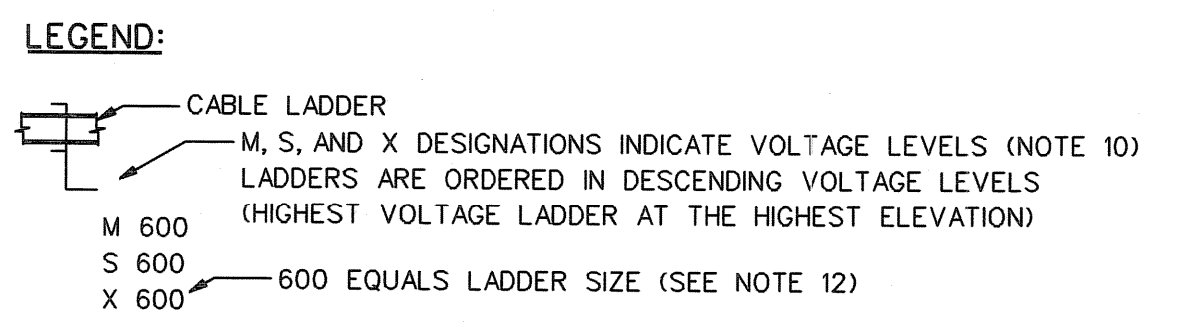


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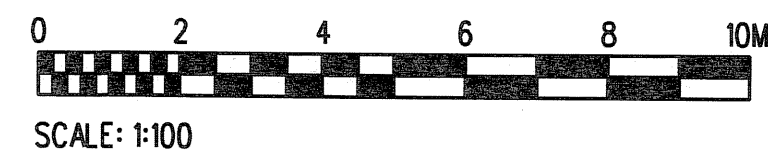


- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS. ALL ELEVATIONS ARE IN METERS.
 2. RACEWAY DESIGN IS PRELIMINARY AND IS INTENDED TO DEPICT MAIN ROUTING SCHEME.
 3. ALL OUTDOOR CABLE LADDERS SHALL BE STAINLESS STEEL OR APPROVED EQUAL.
 4. ALL INDOOR CABLE LADDERS SHALL BE HOT DIPPED GALVANIZED STEEL.
 5. ALL VERTICAL AND HORIZONTAL LADDERS THAT MAY BE EXPOSED TO PHYSICAL DAMAGE SHALL BE COVERED.
 6. MINIMUM BEND RADIUS SHALL BE 24" FOR ALL HORIZONTAL AND VERTICAL BENDS.
 7. MAXIMUM SPAN BETWEEN SUPPORTS SHALL BE 4 METERS.
 8. LADDERS SHALL BE MADE ELECTRICALLY CONTINUOUS BY INSTALLATION OF BONDING JUMPERS.
 9. FOR TRANSITION FROM STAINLESS TO GALVANIZED LADDERS, A 10MM DISTANCE SHALL BE MAINTAINED BETWEEN THE TWO SYSTEMS.
 10. CABLE LADDERS ARE DESIGNED TO MAINTAIN THE FOLLOWING CABLE SEPARATION:
 - A - MEDIUM VOLTAGE POWER CABLES
 - M - LOW VOLTAGE POWER CABLES
 - S - NON-IS INSTRUMENT AND CONTROL
 - X - IS INSTRUMENT AND CONTROL
 11. CABLE LADDERS ARE DESIGNED TO MAINTAIN 300MM FREE SPACE BETWEEN THE TOP OF ONE LADDER AND THE BOTTOM OF ANOTHER.
 12. RACEWAY DESIGNATIONS FOR CABLE LADDER WIDTHS IS AS SHOWN BELOW:
 - 300 - 300MM WIDE
 - 450 - 450MM WIDE
 - 600 - 600MM WIDE
 - 900 - 900MM WIDE
 13. CABLE LADDERS ARE DESIGNED SO THAT LADDERS FROM DIFFERENT SYSTEMS CROSS AT RIGHT ANGLES.
 14. CABLE LADDERS ARE DESIGNED TO PROVIDE 1.4M OF SEPARATION BETWEEN MEDIUM VOLTAGE POWER AND INSTRUMENT/CONTROL LADDERS.
 15. CABLE LADDERS ARE IDENTIFIED BY VOLTAGE LEVEL, SIZE, AND ARE LISTED IN ORDER FROM TOP TO BOTTOM (SEE LEGEND FOR DETAILS).
 16. CABLE LADDERS FOR INSTRUMENT AND CONTROL, BOTH IS AND NON-IS, SHALL BE INSTALLED WITH BARRIERS TO MAINTAIN SEPARATION.



PRELIMINARY

FLOOR PLAN
 SCALE: 1:100



	ISSUED FOR COMMENT	ck	SAS	SAS	SAS	SAS	SAS	
	CO2 KARSTO PROJECT							
	ELECTRICAL ROUTING PLAN							
10112936-PB-E-TDO-0009		ELECTRICAL SWITCHGEAR BUILDING						
JOB NO.		DRAWING NO.			REV.			
25474		ER-0310-00003			0			