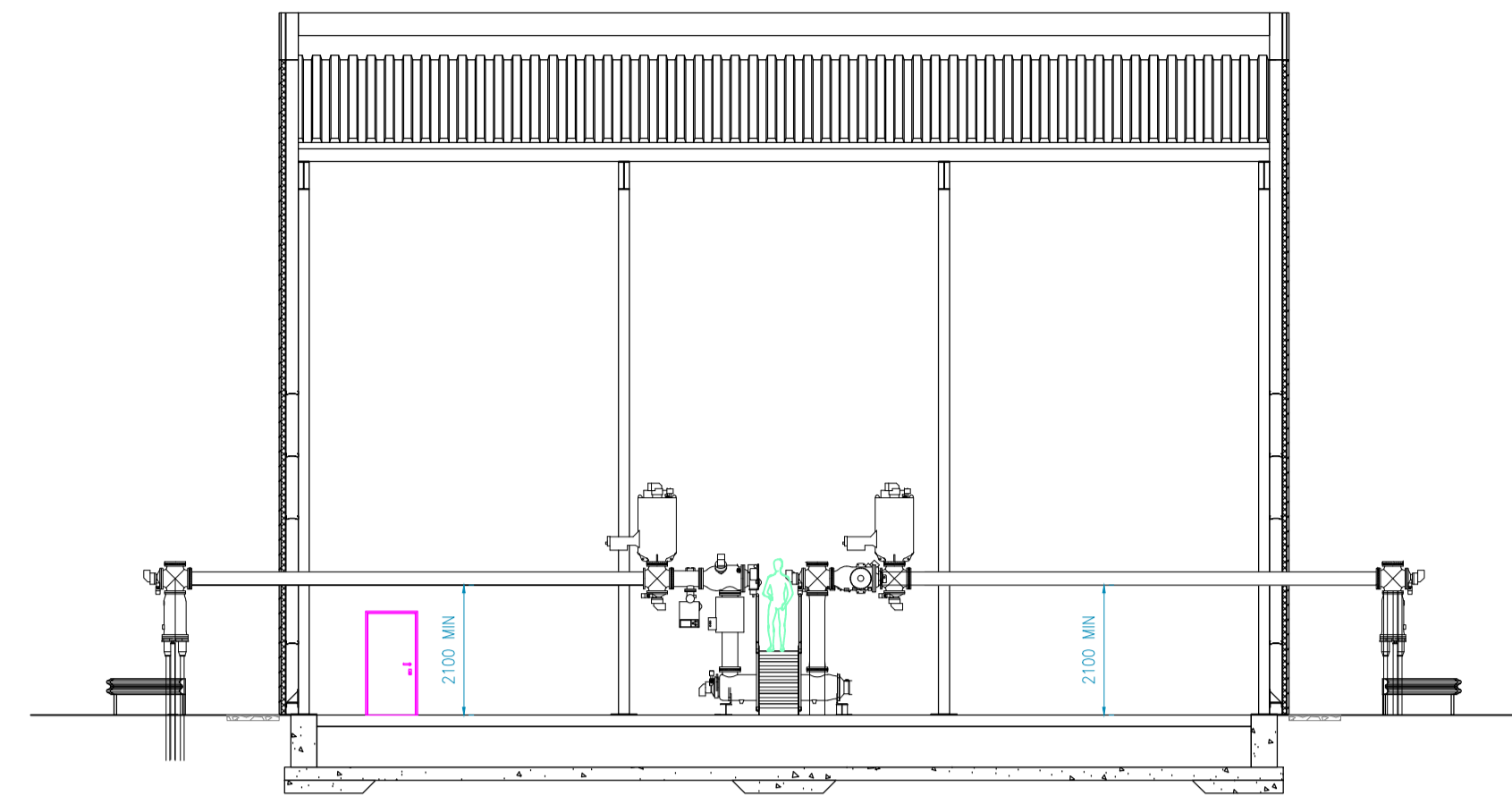
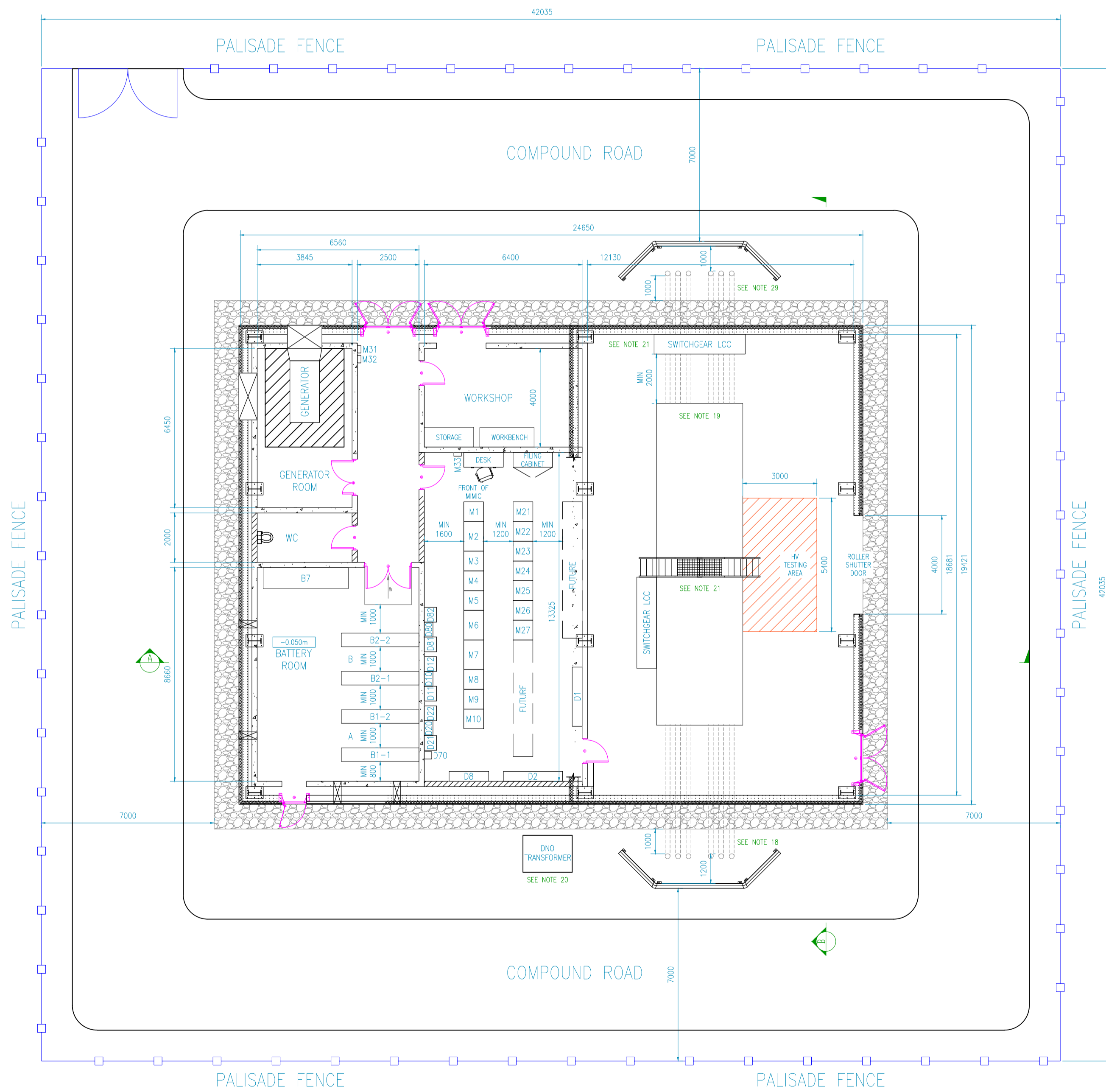


ELEVATION - SECTION A-A
SCALE: NTS



ELEVATION - SECTION B-B
SCALE: NTS



ELEVATION - PLAN VIEW
SCALE: NTS

CABINET DESCRIPTION	DESCRIPTION	DIMENSIONS
B1-1	220V DC BATTERY 1, STAND 1	3150x550
B1-2	220V DC BATTERY 1, STAND 2	3150x550
B2-1	220V DC BATTERY 2, STAND 1	3150x550
B2-2	220V DC BATTERY 2, STAND 2	3150x550
B7	48V DC TELECOMS BATTERY	3400x600
B8	48V DC STATION BATTERY	1340x120
D1	220V DC DISTRIBUTION BOARD 1	2400x400
D2	220V DC DISTRIBUTION BOARD 2	2400x400
D3	24/48V DC DISTRIBUTION BOARD	1600x400
D4	AC DISTRIBUTION BOARD	3200x400
D7	48V DC DISTRIBUTION BOARD (TELECOMS)	600x600
D10	220V BATTERY No.1 CHARGER CHANGEOVER SWITCH & FUSE BOX	600x300
D11	220V BATTERY No.1: CHARGER 1 & BATTERY SUPERVISION	600x600
D12	220V BATTERY No.2: CHARGER 1 & BATTERY SUPERVISION	600x600
D20	220V BATTERY No.2: CHARGER CHANGEOVER SWITCH & FUSE BOX	600x300
D21	220V BATTERY No.2: CHARGER 2 & BATTERY SUPERVISION	600x600
D22	220V BATTERY No.2: CHARGER 2 & BATTERY SUPERVISION	600x600
D80	48V BATTERY: CHARGER CHANGEOVER SWITCH & FUSE BOX	600x300
D81	48V BATTERY: CHARGER 1 & BATTERY SUPERVISION	600x600
D82	48V BATTERY: CHARGER 2 & BATTERY SUPERVISION	600x600
D70	48V TELECOMS CONNECTION/FUSE BOX	600x600
D71	48V SMPS (TELECOMS)	600x600
D72	TELECOMS ISOLATION SWITCH	100x100
M1	MIMIC	800x800
M2	SYNCHRONISING PANEL	1200x800
M3	EVENT RECORDER/JAP	800x800
M4	BACKUP JAP	800x800
M5	BATTERY SUPERVISION	800x800
M6	H1 BAY PROTECTION 1	1200x800
M7	H1 BAY PROTECTION 2	1200x800
M8	REMOTE INTERROGATION/DISTURBANCE RECORDER	800x800
M9	SIGNAL INTERFERING	800x800
M10	CUSTOMER INTERFACE	800x600
M21	OPMUX 1	800x800
M22	ODF	800x800
M23	IP SERVICES	800x800
M24	MAN DISTRIBUTION FRAME	800x800
M25	NCC RTU (INCL. GPS CLOCK)	800x800
M26	TELEMETRING	800x600
M27	EIRGRID ENERGY METERING	800x600
M28	DCD RTU	600x400
M29	ETE	600x400
M31	INTRUDER ALARM PANEL	
M32	FIRE ALARM PANEL	
M33	TELEPHONE POINTS (2%)	

- NOTE 1: THIS DRAWING IS PRODUCED FOR INFORMATION PURPOSES ONLY. ALL DIMENSIONS, REFERENCES (EG. LIGHTNING MAST LOCATIONS ETC) GIVEN ARE INDICATIVE AND SHOULD NOT BE USED AS PART OF A DETAILED DESIGN.
- NOTE 2: THIS IS A CONCEPTUAL DESIGN. DETAILED DESIGN IS REQUIRED PENDING CONFIRMATION OF SPECIFIC EQUIPMENT SUPPLIER AND SITE DETAILS.
- NOTE 3: SWITCHGEAR SHOWN ON THIS DRAWING IS INDICATIVE ONLY.
- NOTE 4: REQUIREMENT FOR GIS OVERPRESSURE VENTS TO BE CONFIRMED BY GIS SUPPLIER.
- NOTE 5: ALL OPENS IN GIS ROOM FOR LV AND HV CABLES TO BE FIRE SEALED.
- NOTE 6: THE MAXIMUM LENGTH OF A CABLE THAT CAN BE PUSHED INTO THE CABLE ROOM IS 100mm ROUTE LENGTH.
- NOTE 7 (AS ILLUSTRATED ON DRAWING): MINIMUM CLEAR AREA ON BOTH SIDES OF THE GIS FOR THE HV TEST EQUIPMENT IS 3000mm.
- NOTE 8 (AS ILLUSTRATED ON DRAWING): MINIMUM CLEAR DISTANCE BETWEEN 220V BATTERY STANDS AND WALLS IS 800mm.
- NOTE 9 (AS ILLUSTRATED ON DRAWING): SCREENED VENTS (2 HIGH LEVEL AND 2 LOW LEVEL) ARE TO BE INSTALLED IN THE BATTERY ROOM AS PER IEC 62485-2 ON ADJACENT EXTERNAL WALL.
- NOTE 10 (AS ILLUSTRATED ON DRAWING): FIRE AND ALARM PANELS TO BE LOCATED IN THE VICINITY OF THE MAIN ENTRANCE.
- NOTE 11 (AS ILLUSTRATED ON DRAWING): EQUIPMENT ACCESS DOOR TO BE SIZED SUCH THAT A STANDARD ESB TRUCK CAN BE REVERSED IN THE HOST AREA (MIN 4000mm WIDTH).
- NOTE 12 (AS ILLUSTRATED ON DRAWING): ADDITIONAL EXIT DOOR IN BATTERY ROOM, REQUIREMENT TBC IN LINE WITH FIRE REGULATIONS.
- NOTE 13: INDICATIVE CABLE ACCESS SHOWN.
- NOTE 14: A TELECOMS EARTH BAR SHALL BE INSTALLED IN CLOSE PROXIMITY TO THE DCD RTU.
- NOTE 15: BATTERIES SHOULD BE LOCATED AWAY FROM THE WALL TO ENSURE ACCESS TO ALL BATTERY CELLS FOR MAINTENANCE. BATTERIES SHOULD NOT BE LOCATED IN FRONT OF AIR VENTS.
- NOTE 16: FIRE AND ATEX ZONES NOT SHOWN, THIS SHOULD BE CONSIDERED DURING DETAILED CUSTOMER DESIGN.
- NOTE 17: CRANE REQUIREMENT AND DIMENSIONS SHALL BE DETERMINED ON PROJECT SPECIFIC REQUIREMENTS AND GIS SWITCHGEAR DIMENSIONS.
- NOTE 18: CABLE LINK BOX INSTALLED ON THE STEEL CSE STRUCTURE. OUTDOOR RING CT INSTALLED ON THE STEEL CSE STRUCTURE.
- NOTE 19 (AS ILLUSTRATED ON DRAWING): GIS SWITCHGEAR WALL FOOTPRINT WILL DEPEND ON SUPPLIER REQUIREMENTS AS WELL AS DIRECTION OF THE CONNECTION OF CABLES FROM CUSTOMER TRANSFORMER AND FEEDER FROM REMOTE SUBSTATION.
- NOTE 20: DIESEL GENERATOR AND STATION RURAL FEEDING ARRANGEMENT SHALL BE IN LINE WITH EIRGRID STATION AUXILIARY POWER SUPPLIES SPECIFICATION.
- NOTE 21: THE LCC SHALL BE LOCATED OPPOSITE THE CB MECHANISM UNDER THE GIS FINAL POSITION WILL BE CONFIRMED AT DESIGN STAGE.

00	FIRST ISSUE	DA	DG	CF	06/08/2020
REV	DESC	DRAWN	CHECKED	APPROVED	DATE
<p>EirGrid plc The Oval, 160 Shelbourne Road, Ballsbridge, Dublin 4, Ireland Telephone: +353 1 677 1700 Fax: +353 1 661 5375 Email: info@eirgrid.com Web: www.eirgrid.com</p>		<p>PROJECT: GENERIC DESIGN STANDARD 220kV GIS STATION</p> <p>DRAWING TITLE: 220kV GIS STATION LAYOUT PLAN VIEW - SINGLE BAY STATION</p>			
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		DRAWING NUMBER: XDN-LAY-ELV-STND-F-002		SHEET REV: 001 00	