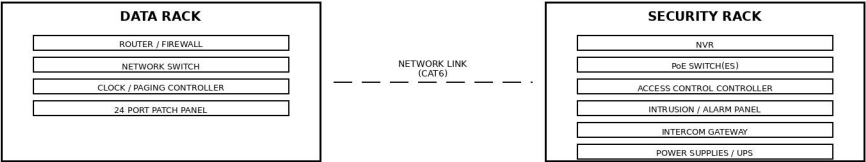


STERLING HALL SCHOOL - SECURITY / COMMUNICATIONS RISER DIAGRAM

REVISION - WITH FIBRE BACKBONE - DEVICE QUANTITIES REMOVED - MOTION DETECTORS REMOVED

LEVEL	BACKBONE RISER SHAFT		DEVICE SUMMARY (NO QUANTITIES SHOWN)														RECOMMENDED CONDUITS	
ROOF																		



FIBRE BACKBONE
Provide fibre backbone from the new data rack to the existing school IT / server room. Final existing-room termination, route, pathway, fibre type, and strand count to be confirmed with Owner / IT before installation.

NOTES
• Device symbols shown for system coordination only. Quantities are intentionally omitted. • Motion detector devices have been removed from this riser; glass break devices remain shown. • All device counts to be taken from the issued drawings by bidders. • All devices terminate to the racks shown unless noted otherwise. • Fibre backbone included as design intent; final existing-building route and termination by Owner / IT. • Conduit sizes are conceptual; verify final sizing in field.

LEGEND - LINE TYPES	LINE TYPE NOTES	ABBREVIATIONS	TITLE BLOCK												
----- CAT6 - CCTV, INTERCOM, CLOCKS, AND GENERAL DATA --- CAT6A - WIRELESS ACCESS POINTS (WAPs) - - - - - FIBRE BACKBONE TO EXISTING IT / SERVER ROOM - - - - - 22/6 - CARD READER CABLE ----- 18/2 - ELECTRIC STRIKES ***** 22/4 - DOOR CONTACTS AND ALARM / GLASS BREAK SENSORS ***** 16/2 - PAGING SPEAKERS / HORNS	• CAT6 supports IP cameras, elevator cameras, 360 cameras, intercom, clocks, and general network data. • CAT6A supports wireless access points (WAPs). • Fibre backbone connects the new data rack to the existing school network; final route, room, and strand count by Owner / IT. • 22/6 is used for card readers. • 18/2 is used for electric strikes. • 22/4 is used for door contacts and alarm / glass break sensors. • 16/2 is used for paging speakers and horns.	CCTV Closed-Circuit Television IC Intercom / Call Station NVR Network Video Recorder P Panic / Pull Device POE Power over Ethernet REX Request to Exit AP Access Point UPS Uninterruptible Power Supply GB Glass Break DC Door Contact FO Fibre Optic Backbone	SHS STERLING HALL SCHOOL SECURITY / COMMUNICATIONS RISER DIAGRAM <table><tr><td>PROJECT NO.</td><td>DRAWN BY</td><td>DATE</td><td>SCALE</td></tr><tr><td>0526.00.00.001</td><td>LAB</td><td>2026-06-22</td><td>N.T.S.</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	PROJECT NO.	DRAWN BY	DATE	SCALE	0526.00.00.001	LAB	2026-06-22	N.T.S.				
PROJECT NO.	DRAWN BY	DATE	SCALE												
0526.00.00.001	LAB	2026-06-22	N.T.S.												

GENERAL NOTE: CONDUIT SIZING IS CONCEPTUAL. FINAL SIZING, ROUTING, AND TERMINATION LOCATIONS MUST BE VERIFIED WITH FINAL ARCHITECTURAL / ELECTRICAL DRAWINGS AND OWNER / IT.