

PROJECT SPECIFIC REQUIREMENTS:

1. GENERAL CONTRACTOR TO PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE DEVICES RELATED TO STRUCTURED CABLING.
2. GENERAL CONTRACTOR TO PROVIDE ALL LOW VOLTAGE DEVICES AND CABLING RELATED TO SECURITY CAMERA SYSTEMS.
3. GENERAL CONTRACTOR TO PROVIDE CABLING RELATED TO SECURITY CAMERA SYSTEMS.
4. OWNER'S CONTRACTOR TO PROVIDE ALL LOW VOLTAGE DEVICES RELATED TO THE SECURITY CAMERA SYSTEMS.
5. OWNER'S CONTRACTOR TO PROVIDE ALL LOW VOLTAGE DEVICES AND CABLING RELATED TO THE INTRUSION DETECTION SYSTEM.

LEGEND GENERAL NOTES:

- A. SEE DETAIL SHEET FOR ADDITIONAL INFORMATION.
- B. PROVIDE 4" SQUARE BACKBOX WITH 1-GANG MID RING AND KEYSTONE FOR WAPS IN OPEN CEILING.
- C. PROVIDE RECESSED HARD LID CEILING ENCLOSURE FOR WAPS INSTALLED ON CEILING.
- D. REFER TO CCTV FUNCTIONAL FOR CABLING REQUIREMENTS FOR EXTERIOR CAMERAS.

TECHNOLOGY DEVICE SCHEDULE							
SYMBOL	DESCRIPTION	BACKBOX	CONDUIT	CABLE	MOUNTING	FACEPLATE / OUTLET	NOTES
	DATA OUTLET "N" SUBSCRIPT WHERE USED DETAILS NUMBER OF DATA CIRCUITS. PROVIDE DEFAULT QUANTITY OF TWO CIRCUITS WHEN SUBSCRIPT NOT PRESENT.	4" SQUARE WITH 1-GANG TRIM RING FLUSH MOUNTED	ONE (0)-1" EMT ROUTED TO ACCESSIBLE CEILING SPACE	ONE (0)-CATEGORY 6 23-AUG CABLE PER PORT. TERMINATE TO CAT6 PATCHBAY. 1' SERVICE LOOP	18" AFF OR AS NOTED ON PLANS. COORDINATE WITH ELECTRICAL OUTLETS	TELECOM OUTLET FACEPLATE, PORT COUNT PER SUBSCRIPT	A
	ABOVE COUNTER / WALL DATA OUTLET "N" SUBSCRIPT WHERE USED DETAILS NUMBER OF DATA CIRCUITS. PROVIDE DEFAULT QUANTITY OF TWO CIRCUITS WHEN SUBSCRIPT NOT PRESENT.	4" SQUARE WITH 1-GANG TRIM RING FLUSH MOUNTED / POINTED IN TV BACKBOX WHEN INDICATED	ONE (0)-1" EMT ROUTED TO ACCESSIBLE CEILING SPACE	ONE (0)-CATEGORY 6 23-AUG CABLE PER PORT. TERMINATE TO CAT6 PATCHBAY. 1' SERVICE LOOP	48" AFF OR AS NOTED ON PLANS. COORDINATE WITH ELECTRICAL OUTLETS	TELECOM OUTLET FACEPLATE, PORT COUNT PER SUBSCRIPT	A
	CEILING MOUNTED DATA OUTLET (WIRELESS ACCESS POINT)	SURFACE MOUNTED DISCUT JACK	ONE (0)-3/4" EMT / J-HOOK	TWO (0)-CATEGORY 6 23-AUG CABLE. TERMINATE TO CAT6A PATCHBAY. 10' SERVICE LOOP	MIN. 3" ABOVE DROP CEILING.	N/A	A, B, C
	CEILING MOUNTED DATA OUTLET (PROJECTOR)	CEILING PROJECTOR BACKBOX, REFER TO AV DRAINGS	ONE (0)-3/4" EMT / J-HOOK	ONE (0)-CATEGORY 6 23-AUG CABLE PER PORT. TERMINATE TO CAT6 PATCHBAY. 10' SERVICE LOOP	N/A	TELECOM OUTLET FACEPLATE, PORT COUNT PER SUBSCRIPT	
	DATA OUTLET INSTALLED IN FLOOR BOX / POKE THROUGH. PROVIDE DEFAULT QUANTITY OF TWO CIRCUITS WHEN SUBSCRIPT NOT PRESENT	COORDINATE WITH ELECTRICAL DRAINGS	ONE (0)-1 1/4" CONDUIT ROUTED TO ACCESSIBLE CEILING SPACE. CONDUITS IN SLAB / BELOW GRADE TO BE PVC SCHD. 40	ONE (0)-CATEGORY 6 23-AUG CABLE PER PORT. TERMINATE TO CAT6 PATCHBAY. 1' SERVICE LOOP	SURFACE	COORDINATE WITH ELECTRICAL DRAINGS	
	JUNCTION BOX FOR IN-WALL FURNITURE FEED. "N" SUBSCRIPT WHERE USED DETAILS NUMBER OF DATA CIRCUITS. PROVIDE DEFAULT QUANTITY OF TWO CIRCUITS WHEN SUBSCRIPT IS NOT PRESENT.	5" SQUARE WITH 2-GANG TRIM RING FLUSH MOUNTED	ONE (0)-1 1/2" CONDUIT ROUTED TO ACCESSIBLE CEILING SPACE. CONDUITS IN SLAB / BELOW GRADE TO BE PVC SCHD. 40	ONE (0)-CATEGORY 6 23-AUG CABLE PER PORT. TERMINATE TO CAT6 PATCHBAY. 1' SERVICE LOOP	18" AFF, CABLES TO TERMINATE INTO MODULAR FURNITURE	TELECOM OUTLET FACEPLATE, PORT COUNT PER SUBSCRIPT	
	JUNCTION BOX FOR IN-FLOOR FURNITURE FEED. "N" SUBSCRIPT WHERE USED DETAILS NUMBER OF DATA CIRCUITS. PROVIDE DEFAULT QUANTITY OF TWO CIRCUITS WHEN SUBSCRIPT IS NOT PRESENT.	COORDINATE WITH ELECTRICAL DRAINGS	ONE (0)-1" CONDUIT ROUTED TO ACCESSIBLE CEILING SPACE. SEE FLOORPLAN FOR ADDITIONAL CONDUIT REQUIREMENTS. CONDUITS IN SLAB / BELOW GRADE TO BE PVC SCHD. 40	ONE (0)-CATEGORY 6 23-AUG CABLE PER PORT. TERMINATE TO CAT6 PATCHBAY. 1' SERVICE LOOP	SURFACE	TELECOM OUTLET FACEPLATE, PORT COUNT PER SUBSCRIPT	
PAGING / INTERCOM DEVICE SCHEDULE							
SYMBOL	DESCRIPTION	BACKBOX	CONDUIT	CABLE	MOUNTING	FACEPLATE / OUTLET	NOTES
	INTERCOM MASTER STATION. BASIS OF DESIGN APHONE 6X-TV	MANUFACTURER PROVIDED BOX IF WALL MOUNTED. NONE IF DESK MOUNTED. REFER TO DRAINGS	ONE (0)-3/4" EMT ROUTED TO ACCESSIBLE CEILING SPACE IF WALL MOUNTED.	ONE (0)-CATEGORY 6 23-AUG CABLE PER PORT. TERMINATE TO CAT6 PATCHBAY. 1' SERVICE LOOP	WALLMOUNTED. 48" AFF OR AS NOTED ON PLANS.	WALLMOUNTED DEVICE WITH FLUSH MOUNT. UTILIZE SURFACE MOUNT BOX FOR RETROFIT ON CONCRETE OR BLOCK. NONE IF DESK MOUNTED.	A
	INTERCOM DOOR STATION. BASIS OF DESIGN APHONE 6X SERIES. "V" SUBSCRIPT WHERE USED DENOTES VIDEO AND AUDIO INTERCOM. "A" SUBSCRIPT WHERE USED DENOTES AUDIO ONLY INTERCOM.	MANUFACTURER PROVIDED BOX IF WALL MOUNTED. NONE IF PEDESTAL MOUNTED. REFER TO DRAINGS	ONE (0)-3/4" EMT ROUTED TO ACCESSIBLE CEILING SPACE IF WALL MOUNTED.	ONE (0)-CATEGORY 6 23-AUG CABLE PER PORT. TERMINATE TO CAT6 PATCHBAY. 1' SERVICE LOOP	WALLMOUNTED. 48" AFF OR AS NOTED ON PLANS.	WALLMOUNTED DEVICE WITH FLUSH MOUNT. UTILIZE SURFACE MOUNT BOX FOR RETROFIT ON CONCRETE OR BLOCK. NONE IF DESK MOUNTED.	A
	PAGING HORN LOUDSPEAKER	2-GANG BOX IF WALL MOUNTED. PROVIDE CAST WEATHERTIGHT BOX FOR OUTDOOR LOCATIONS.	ONE (0)-3/4" EMT ROUTED TO ACCESSIBLE CEILING SPACE IF WALL MOUNTED.	REFER TO PA FUNCTIONAL. 10' SERVICE LOOP	REFER TO PLANS	N/A	
	SURFACE MOUNTED INTERCOM SPEAKER	2-GANG BOX IF WALL MOUNTED. PROVIDE CAST WEATHERTIGHT BOX FOR OUTDOOR LOCATIONS.	ONE (0)-3/4" EMT ROUTED TO ACCESSIBLE CEILING SPACE IF WALL MOUNTED.	REFER TO PA FUNCTIONAL. 10' SERVICE LOOP	REFER TO PLANS	N/A	
	CEILING MOUNTED INTERCOM SPEAKER	N/A	N/A	REFER TO PA FUNCTIONAL. 10' SERVICE LOOP	CEILING. PROVIDE BLOCKING AS REQUIRED	N/A	
	CEILING MOUNTED MICROPHONE	N/A	N/A	REFER TO PA FUNCTIONAL. 10' SERVICE LOOP	REFER TO PLANS	N/A	
SECURITY DEVICE SCHEDULE							
SYMBOL	DESCRIPTION	BACKBOX	CONDUIT	CABLE	MOUNTING	FACEPLATE / OUTLET	NOTES
	CARD READER	1-GANG BOX	ONE (0)-1/2" EMT ROUTED TO DOOR JUNCTION BOX IN ACCESSIBLE CEILING SPACE	REFER TO ACCESS CONTROL FUNCTIONAL	WALLMOUNTED. 48" AFF OR AS NOTED ON PLANS.	DEVICE FLUSH MOUNTED.	A
	DOOR RELEASE PUSH BUTTON	1-GANG BOX	ONE (0)-1/2" EMT ROUTED TO DOOR JUNCTION BOX IN ACCESSIBLE CEILING SPACE	REFER TO ACCESS CONTROL FUNCTIONAL	WALLMOUNTED. 48" AFF OR AS NOTED ON PLANS.	DEVICE FLUSH MOUNTED.	A
	DOOR POSITION SWITCH	N/A	ONE (0)-1/2" EMT ROUTED TO DOOR JUNCTION BOX IN ACCESSIBLE CEILING SPACE	REFER TO ACCESS CONTROL FUNCTIONAL	DOOR FRAME	N/A	
	ELECTRONIC STRIKE / MORTISE STYLE / EXIT BAR LOCK WITH INTEGRAL DOOR POSITION SWITCH	N/A	ONE (0)-1/2" EMT ROUTED TO DOOR JUNCTION BOX IN ACCESSIBLE CEILING SPACE	REFER TO ACCESS CONTROL FUNCTIONAL	DOOR FRAME	N/A	
	MAGNETIC LOCK	N/A	ONE (0)-1/2" EMT ROUTED TO DOOR JUNCTION BOX IN ACCESSIBLE CEILING SPACE	REFER TO ACCESS CONTROL FUNCTIONAL	DOOR FRAME	N/A	
	MOTION DETECTOR WALL MOUNTED	4" SQUARE WITH 1-GANG TRIM RING	ONE (0)-1/2" EMT ROUTED TO ACCESSIBLE CEILING SPACE	REFER TO SPECIFICATIONS	FLUSH MOUNTED 12" BELOW CEILING	DEVICE FLUSH MOUNTED.	
	MOTION DETECTOR CEILING MOUNTED	N/A	N/A	REFER TO SPECIFICATIONS	CEILING. PROVIDE BLOCKING AS REQUIRED	N/A	
	DURABLE BUTTON	SEE FLOOR PLANS	ONE (0)-1/2" EMT ROUTED TO ACCESSIBLE CEILING SPACE	REFER TO SPECIFICATIONS	DEVICE MOUNTED TO UNDERSIDE OF WORKSTATION IN A CONCEALED MANNER	GROMMET	
	GLASS BREAK DETECTOR	4" SQUARE WITH 1-GANG TRIM RING	ONE (0)-1/2" EMT ROUTED TO ACCESSIBLE CEILING SPACE	REFER TO SPECIFICATIONS	REFER TO PLANS	DEVICE FLUSH MOUNTED.	D
	CCTV CAMERA (FIXED)	REFER TO CCTV DETAIL SHEETS	ONE (0)-3/4" EMT / J-HOOK	ONE (0)-CATEGORY 6 23-AUG CABLE PER CAMERA. TERMINATE TO SECURITY CAT6 PATCHBAY. 10'	REFER TO PLANS	N/A	D
	CCTV CAMERA (MULTI-SENSOR)	REFER TO CCTV DETAIL SHEETS	ONE (0)-3/4" EMT / J-HOOK	ONE (0)-CATEGORY 6 23-AUG CABLE PER CAMERA. TERMINATE TO SECURITY CAT6 PATCHBAY. 10'	REFER TO PLANS	N/A	D
	CCTV CAMERA (PTZ)	REFER TO CCTV DETAIL SHEETS	ONE (0)-3/4" EMT / J-HOOK	ONE (0)-CATEGORY 6 23-AUG CABLE PER CAMERA. TERMINATE TO SECURITY CAT6 PATCHBAY. 10'	REFER TO PLANS	N/A	D

SHEET NUMBER	SHEET NAME
LV100	TECHNOLOGY - LEGENDS AND NOTES
LV101	TECHNOLOGY NOTES & ABBREVIATIONS
LV102	DEMOLITION PLAN - LOW VOLTAGE
LV103	FIRST FLOOR PLAN - LOW VOLTAGE
LV104	SECURITY - DETAILS
LV105	TELECOM - STRUCTURED CABLE - DETAILS
LV106	TELECOM - WIRING - DETAILS
LV107	GROUNDING - DETAILS
LV108	FUNCTIONAL DIAGRAM - LOW VOLTAGE

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PROJECT

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NO.	DATE	ISSUANCE / REVISIONS
001	03/20/2026	ISSUE FOR PERMIT
002	03/20/2026	ISSUE FOR CONSTRUCTION DOCUMENTS
003	03/20/2026	ISSUE FOR PERMIT AND BID

SHEET TITLE
TECHNOLOGY - LEGENDS AND NOTES

SHEET NUMBER

LV100

PROJECT DATE DRAWN
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