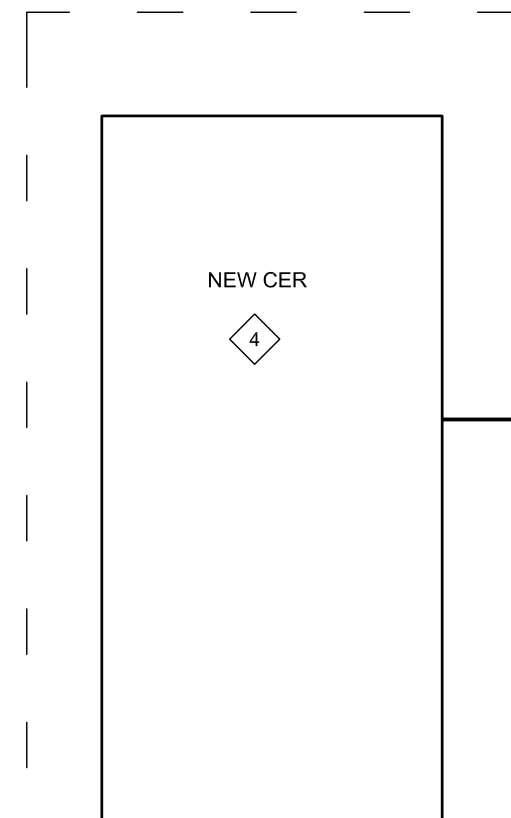
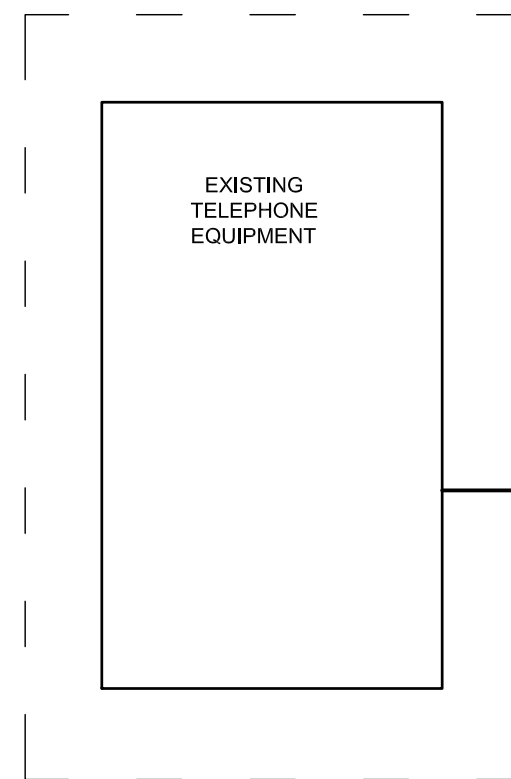


EXISTING ROOM A105

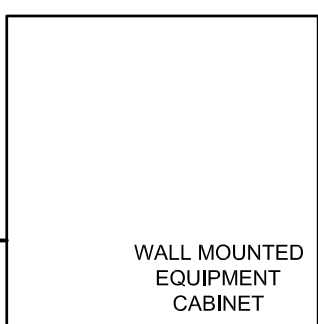


EXISTING ROOM D112
REFER TO DETAIL
2/E1.02 FOR LOCATION



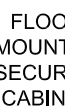
EXISTING ROOM A131

12 STRAND OM3 MULTI-MODE
FIBRE 50/125 MICRONS



12 STRAND OM3 MULTI-MODE
FIBRE 50/125 MICRONS

BUILDING 'A'
NEW IT ROOM A115



50 PAIR TELEPHONE CABLE

6 STRAND OM3 MULTI-MODE FIBRE 50/125 MICRONS

6 STRAND OM3 MULTI-MODE FIBRE 50/125 MICRONS

CAT6 UTP

CAT6 UTP

CAT6 UTP
(TYPICAL FOR
CAMERAS C2-C8)

RACK MOUNTED
PoE SWITCH

RACK MOUNTED
CCTV
SWITCH/EQUIPMENT

NEW LTU

120VAC UPS POWER
SUPPLY

RFID ACCESS
CONTROL SYSTEM



TO LOCAL SECURITY DEVICES:
- DOOR CONTACTS

TO LOCAL SECURITY DEVICES:
- CARD READERS, ELECTRIC STRIKES

WIRES IN CONDUITS
(TYPICAL)

WIRES IN CONDUITS
(TYPICAL)

NEW PEB BUILDING
ELECTRONIC
EQUIPMENT ROOM P106a

GENERAL NOTES:

- RISER DIAGRAM SHOWN FOR CONCEPT ONLY. PROVIDE ALL NECESSARY COMPONENTS FOR A FULLY FUNCTIONAL CCTV SYSTEM.
- CCTV CAMERA TO BE PoE TYPE. PROVIDE ADDITIONAL 120-15A CIRCUIT FOR EACH CAMERA FOR INTERNAL HEATER, MOTOR ETC.
- NEW CCTV SYSTEM TO HAVE LOCAL CONTROL/MONITOR STATION AND TO BE TIED INTO EXISTING CCTV CONTROL SYSTEM OF IN MAIN COMPLEX BUILDING. CONTRACTOR TO ENSURE SYSTEM COMPATIBILITY. COORDINATE WITH DEPARTMENTAL REPRESENTATIVE FOR EXISTING SYSTEM TIE-IN AND PROGRAMMING.
- PROVIDE ALL NECESSARY EQUIPMENT, DEVICES, ACCESSORIES, CABLES, CONDUIT, PROGRAMMING AND COMMISSIONING FOR A FULLY FUNCTIONAL CCTV SYSTEM.
- REFER TO PLAN FOR EXACT QUANTITY OF SECURITY DEVICES.
- EXISTING SECURITY SYSTEM IS SENSTAR. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER'S REPRESENTATIVE.
- ELECTRICAL CONTRACTOR TO PROVIDE ALL SECURITY DEVICES, ACCESSORIES, PANELS, WIRING, CONDUIT, PROGRAMMING, COMMISSIONING AND ALL NECESSARY ACCESSORIES ETC FOR A FULLY FUNCTIONAL AND OPERATING SECURITY SYSTEM.
- RETAIN MANUFACTURER'S REPRESENTATIVE FOR PROGRAMMING AND COMMISSIONING OF SECURITY SYSTEM.
- CABLE AND DEVICES INSTALLATION, IDENTIFICATION AND TERMINATION SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
- PROVIDE OUTDOOR RATED CABLES FOR ALL EXTERIOR EQUIPMENT.

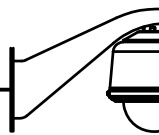
DETAIL 1 KEYNOTES:

- MIDDLE ATLANTIC MRK-4436-NVR ELECTRONIC EQUIPMENT LOCKABLE CABINET C/W FOLLOWING:
 - Two pairs cage nut style rack rail
 - One pair of cage nut style Z-rail adaptors
 - Fully vented top
 - Fully perforated vented front door and split rear door
 - 3-1/4" wide vertical lacer strip
 - Six horizontal lacer bars
 - Twelve 8" Velcro® cable management straps
 - Thin power strip, 20 Amp, 20 outlet with cord
 - One each 1 space and 2 space brush grommet
 - Leveling feet
 - 100 qty. 6mm threaded cage nuts and rack screws
 - 50 qty. 10-32 threaded cage nuts and rack screws
 - Side panels

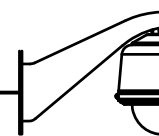
ELECTRONIC EQUIPMENT INSTALLED INTO CABINET AS FOLLOWS:

- 1x Fully Managed L2 Network Switch with 24 PoE ports and 2 x 10GB SFP+ ports.
 - 1x rack mount CCTV NVUS with CAT6 video extenders for 2 monitors.
 - 2x Nexlog 740 audio loggers
 - 1x UPS to support all equipment in rack for minimum of 20 minutes
 - 1x Intercom (Aliphone)
 - RFID access control system
- EXTEND POWER FEED FROM EXISTING PERIMETER CCTV CAMERAS BESIDE THE OLD FOOD SERVICE GATE TO FEED NEW OUTDOOR AXIS Q6032-E PTZ CAMERAS OF THE PRINCIPAL ENTRANCE BUILDING
 - MIDDLE ATLANTIC MRK-2431 48 1/8" HIGH ELECTRONIC EQUIPMENT LOCKABLE CABINET C/W THE FOLLOWING:
 - Power distribution within a cabinet or rack shall be via two PDUs (power distribution units), as provided by the original cabinet or rack manufacturer. 2 x Horizontal PDUs will each have at least 5 outlets on the rear and at least 1 outlet on the front of the strip. Both strips shall be connected to the rack mount UPS on 15A plugs
 - Raised top for ventilation
 - Cooling fans in the top or sides of the cabinet. These fans will provide a minimum of 150 CFM free air movement per 72" of cabinet height.
 - Metal doors front and rear. Both doors fitted with locks, both locks keyed alike;
 - Removable sides with locks for security;
 - Four adjustable levelling feet;
 - Adjustable side rails for mounting equipment. EIA standard 19" width;
 - Minimum usable depth of 28.75". Minimum usable height of 42"
 - EXPAND EXISTING GENETEL VIDEO ARCHIVE TO ACCOMMODATE ALL NEW CAMERAS AND PROVIDE LICENSES FOR ALL NEW CAMERAS.
 - 12 STRAND OM3 FIBRE CABLE TO TERMINATE IN A FIBRE TERMINATION BAY WITH SC CONNECTORS.
 - COORDINATE WITH G.V.I. AND SENSTAR REPRESENTATIVES FOR PROGRAMMING AND TIE-IN OF EXISTING SECURITY SYSTEM.

INSTALL THIS CAMERA AS PER TEMPORARY
LAYOUT (DETAIL 1/E1.01).
AND ROTATE IT TO ALIGN WITH PERMANENT PERIMETER
FENCE ONCE INSTALLED



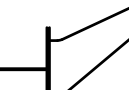
OUTDOOR AXIS Q6032-E PTZ CAMERA
MOUNTED ON PERIMETER TOWER



OUTDOOR AXIS Q6032-E PTZ CAMERA
MOUNTED ON PERIMETER TOWER



360 DEGREE CAMERA - AXIS M3007-PV
CEILING MOUNTED



OUTDOOR AXIS 3363-VE CAMERA C1
MOUNTED ON A SWING PARAPET PERPENDICULAR TO FENCE POINTING AT ENTRY GATE



INDOOR AXIS 3363 CAMERAS WITH 2.5-6mm VARI-FOCAL LENS



INDOOR AXIS 3363-VE CAMERA
WITH 134 DEGREES OF VIEW



Public Works and
Government Services Canada
Travaux publics et
Services gouvernementaux Canada

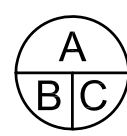
DIALOG™

stamp



01	ISSUED FOR BID	2013/10/04
revision	description	date

Do not scale drawings
Verify all dimensions and conditions on site and
Immediately notify the Departmental Representative of all
discrepancies



A detail no.
no. du détail
B drawing no. - where detail required
dessin no. - où détail exigé
C drawing no. - where detailed
dessin no. - où détaillé

project title
titre du projet
GRAND VALLEY INSTITUTION FOR WOMEN
1575 HOMER WATSON BLVD.
KITCHENER, ONTARIO, N2P 2C5

PRINCIPAL ENTRANCE BUILDING

CONCEPTUAL SECURITY
RISER DIAGRAM

drawn by dessiné par	OS	project manager administrateur de projets
designed by conçu par	OS	
approved by approuvé par	NA	
bid offre	RP	
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