

LIGHTING

DEVICE		DEVICE	
	LIGHTING FIXTURE, CEILING MOUNTED		FLUORESCENT LIGHTING FIXTURE SURFACE MOUNTED (600x1200)
	LIGHTING FIXTURE, RECESSED MOUNTED		FLUORESCENT LIGHTING FIXTURE SURFACE MOUNTED (300x1200)
	LIGHTING FIXTURE, WALL MOUNTED		FLUORESCENT LIGHTING FIXTURE SURFACE MOUNTED (600x600)
	LIGHTING FIXTURE WALL MOUNTED		FLUORESCENT LIGHTING FIXTURE RECESSED MOUNTED (600x1200)
	EXIT LIGHTING WITH DIRECTIONAL ARROWS CEILING MOUNTED		FLUORESCENT LIGHTING FIXTURE RECESSED MOUNTED (300x1200)
	EXIT LIGHTING WITH DIRECTIONAL ARROWS WALL MOUNTED		FLUORESCENT LIGHTING FIXTURE RECESSED MOUNTED (600x600)
	BOLLARD LIGHTING (LOW LEVEL)		
	STREET/PARKING LOT/SIDEWALK LIGHTING POLE MOUNTED (SINGLE HEAD)		
	STREET/PARKING LOT/SIDEWALK LIGHTING POLE MOUNTED (DOUBLE HEAD)		
	RECESSED STAIR STEP LIGHT		
	EMERGENCY BATTERY PACK WALL MOUNTED WITH HEADS AS INDICATED		
	REMOTE EMERGENCY LIGHTING HEAD WALL MOUNTED		
	REMOTE EMERGENCY LIGHTING DOUBLE HEAD WALL MOUNTED		
	LIGHTING FIXTURE TYPE (REFER TO LIGHTING FIXTURE SCHEDULE)		

POWER AND DISTRIBUTION

DEVICE		DEVICE		PANEL IDENTIFICATION	
	15A 120V DUPLEX RECEPTACLE		TRANSFORMER		120/208V PANEL, SURFACE MOUNTED
	15A 120V DUPLEX RECEPTACLE MOUNTED AT NON-STANDARD HEIGHT		MOTOR		120/208V PANEL, RECESSED MOUNTED
	15A 120V DUPLEX RECEPTACLE - FLOOR MOUNTED		MOTOR WITH NON-FUSIBLE DISCONNECT		277/480V OR 347/600V PANEL SURFACE MOUNTED
	20A 120V T-SLOT DUPLEX RECEPTACLE		DIRECT CONNECTION		277/480V OR 347/600V PANEL RECESSED MOUNTED
	15A 120V GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE		STANDARD 100mm OCTAGONAL JUNCTION BOX (MINIMUM UNLESS NOTED OTHERWISE)		OTHER PANEL AS SPECIFIED, SURFACE MOUNTED
	ONE STANDARD AND ONE COMPUTER OUTLET IN A 2-GANG OUTLET BOX C/W ONE COMMON COVERPLATE. COMPUTER OUTLET MUST BE C/W SEPARATE GROUND AND SEPARATE NEUTRAL CONNECTORS.		STANDARD 100mmx100mm SQUARE JUNCTION BOX (MINIMUM UNLESS NOTED OTHERWISE)		OTHER PANEL AS SPECIFIED, RECESSED MOUNTED
	20A 120V GROUND FAULT CIRCUIT INTERRUPTER T-SLOT DUPLEX RECEPTACLE		NON-FUSIBLE DISCONNECT		
	SPECIAL RECEPTACLE AS INDIVIDUALLY NOTED		FUSIBLE DISCONNECT		
	DUPLEX RECEPTACLE - CEILING MOUNTED		MANUAL MOTOR STARTER SWITCH		
	TELE/POWER POLE AS SPECIFIED		MAGNETIC STARTER		
	FLOOR MOUNTED FURNITURE FEED FOR POWER AND COMMUNICATION SYSTEMS		COMBINATION MAGNETIC STARTER		
			MOTORIZED DAMPER		
			ELECTRIC DOOR OPERATOR PUSHBUTTON		
			MOTOR TAG		

SWITCHING

DEVICE	
	SINGLE POLE SWITCH
	DOUBLE POLE SWITCH
	3-WAY SWITCH
	DIMMER SWITCH
	OCCUPANCY SENSOR - CEILING MOUNTED
	OCCUPANCY SENSOR - WALL MOUNTED SWITCH HEIGHT
	DAYLIGHT SENSOR

COMMUNICATIONS

DEVICE			
	TELEPHONE OUTLET		VIDEO OUTLET
	TELEPHONE OUTLET, FLOOR MOUNTED		VIDEO OUTLET, FLOOR MOUNTED
	TELEPHONE ZONE PULL BOX (150x150x100)		VIDEO OUTLET, CEILING MOUNTED
	VOICE/DATA OUTLET (2D/1V UNLESS OTHERWISE NOTED)		PLYWOOD BACKBOARD (AS SPECIFIED ON PLANS)
	VOICE/DATA OUTLET, FLOOR MOUNTED (2D/1V UNLESS OTHERWISE NOTED)		INTERCOM OUTLET
	DATA OUTLET		BELL
	DATA OUTLET, FLOOR MOUNTED		HORN
	VOICE/DATA OUTLET, CEILING MOUNTED		PUSH BUTTON
	VOICE/DATA OUTLET MOUNTED ON FURNITURE SYSTEM		BUZZER
	MICROPHONE OUTLET, RECESSED WALL MOUNTED		TRANSFORMER (LOW VOLTAGE) FOR SIGNAL SYSTEM
	MICROPHONE OUTLET, RECESSED CEILING MOUNTED		
	SPEAKER, WALL MOUNTED		
	SPEAKER, CEILING MOUNTED		
	SOUND SYSTEM VOLUME CONTROL WITH ON-OFF SWITCH		

FIRE ALARM SYSTEMS

DEVICE		DEVICE	
	FIRE ALARM PULL STATION		FIRE ALARM ANNUNCIATOR
	FIRE ALARM BELL		FIRE ALARM CONTROL PANEL
	COMBINATION FIRE ALARM BELL AND VISUAL STROBE		SPRINKLER FLOW SWITCH
	FIRE ALARM HORN		SPRINKLER LOW PRESSURE SWITCH
	COMBINATION FIRE ALARM HORN AND VISUAL STROBE		SPRINKLER VALVE SUPERVISORY
	FIRE ALARM VISUAL STROBE		
	FIRE ALARM PHONE (FIRE FIGHTERS HANDSET)		
	FIRE ALARM SPEAKER, CEILING MOUNTED		
	FIRE ALARM SPEAKER, WALL MOUNTED		
	FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED		
	FIRE ALARM SMOKE DETECTOR, WALL MOUNTED		
	SMOKE ALARM		
	FIRE ALARM SMOKE DETECTOR WITH BUILT-IN SOUNDER BASE		
	FIRE ALARM DUCT SMOKE DETECTOR		
	FIRE ALARM THERMAL DETECTOR, CEILING MOUNTED (RATE OF RISE)		
	FIRE ALARM THERMAL DETECTOR, CEILING MOUNTED (FIXED TEMPERATURE)		

**FIRE ALARM ZONING SYSTEM**

**FUNCTIONS**

AZ - ALARM ZONE

SZ - SPRINKLER ALARM ZONE

PZ - PAGING ZONE

MZ - MONITOR ZONE (NON-ALARMING)

CZ - CONTROL ZONE

FP - FIREPHONE ZONE

SG - SIGNAL ZONE

**EXAMPLE:**

LEVEL 2      ZONE NUMBER

                    2 AZ 01

FUNCTION      ↓

SECURITY

DEVICE	
	ACCESS CONTROL DEVICE (RFID CARD READER)
	EXIT CONTROL DEVICE (DOOR RELEASE PULL STATION)
	EXIT CONTROL DEVICE (DOOR RELEASE PUSHBUTTON)
	DOOR MONITOR SWITCH
	ELECTRIC DOOR STRIKE
	MOTION DETECTOR (REQUEST TO EXIT)
	VIBRATION SENSOR
	CCTV FIXED CAMERA
	CLOSED CIRCUIT TELEVISION MONITOR OUTLET

CONDUIT AND FEEDER

	CONDUIT RUN IN CEILING OR WALL (WITH NUMBER OF CONDUCTORS INDICATED)
	CONDUIT RUN UNDER FLOOR SLAB OR UNDER GROUND
	WIREWAY (AS SPECIFIED)
	CONDUIT STUBBED & CAPPED OFF
	CONDUIT RUN TO PANEL
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	CABLE TRAY FOR L.V. CABLES

SINGLE LINE DIAGRAMS

DEVICE	
	FUSE
	SWITCH
	BREAKER
	DRAW-OUT BREAKER
	TRANSFER SWITCH
	SWITCH UNIT
	METER SOCKET
	METER WITH CURRENT TRANSFORMER
	TRANSFORMER WITH BASE BUILDING CONNECTION
	PANEL BOARD
	CIRCUIT MONITOR

CONTROLS

DEVICE	
	THERMOSTAT
	HUMIDISTAT

MISCELLANEOUS

	LIGHTNING ROD
	CLEANISOLATED GROUNDED TERMINAL
	ANTENNA
	GROUNDING SYSTEM
	REVISION SYMBOL (NUMBER INDICATES REVISION NO.)
	20mm X 3M COPPER GROUND ROD WITH CONNECTION GROUND WIRE

ABBREVIATIONS

DEVICE			
A.F.F.	ABOVE FINISHED FLOOR	LV	LOW VOLTAGE
A.F.G.	ABOVE FINISHED GRADE	MH	METAL HALIDE
BRKR	BREAKER	MTD	MOUNTED
C	CONDUIT	NL	NIGHT LIGHT
COMM	COMMUNICATIONS	OC	OVER COUNTER - (250mm ABOVE COUNTER)
CL	CEILING MOUNTED	PA	PUBLIC ADDRESS
DN	DOWN	PNL	PANEL
E	EXISTING TO REMAIN	RP	EXISTING IN RELOCATED POSITION
EC	EMPTY CONDUIT	SW	SWITCH
ED	EXISTING TO BE DELETED	TC	TIME CLOCK
EM	EMERGENCY	TL	TWISTLOCK
ER	EXISTING TO BE RELOCATED	UC	UNDER COUNTER
GF	GROUND FAULT	WP	WEATHER PROOF
GND	GROUND		
IC	INTERCOM		

GENERAL NOTES

- ALL WORK WITHIN EXISTING COMPLEX TO BE UNDERTAKEN AFTER 9PM AND WITH SUPERVISION OF DEPARTMENTAL REPRESENTATIVES.
- COORDINATE ALL TIE-INS WITH EXISTING SERVICES ON SITE AND INCLUDE ALL NECESSARY WORK IN THE TENDER PRICE.

DRAWING LIST

E0.00 - ELECTRICAL LEGENDS
E1.01 - DEMOLITION AND TEMPORARY SITE PLANS
E1.02 - ELECTRICAL SITE PLAN
E1.03 - ELECTRICAL SITE DETAILS
E2.01 - GROUND FLOOR LIGHTING PLAN PEB
E2.02 - SECOND FLOOR LIGHTING PLAN PEB
E2.03 - GROUND FLOOR LIGHTING PLANS 'A' AND 'B'
E2.04 - SECOND FLOOR LIGHTING PLAN 'A'
E2.11 - GROUND FLOOR POWER PLAN PEB
E2.12 - SECOND FLOOR POWER PLAN PEB
E2.13 - GROUND FLOOR POWER PLANS 'A' AND 'B'
E2.14 - SECOND FLOOR POWER PLAN 'A'
E2.21 - GROUND FLOOR SYSTEMS PLAN PEB
E2.22 - SECOND FLOOR SYSTEMS PLAN PEB
E2.23 - GROUND FLOOR SYSTEMS PLANS 'A' AND 'B'
E2.24 - SECOND FLOOR SYSTEMS PLAN 'A'
E2.31 - GROUND FLOOR COMMUNICATION PLAN
E2.32 - SECOND FLOOR COMMUNICATION PLAN
E4.01 - SINGLE LINE DIAGRAM
E4.02 - CONCEPTUAL SECURITY RISER DIAGRAM
E4.03 - COMMUNICATION DETAILS
E5.01 - LUMINAIRE SCHEDULE
E5.02 - PANEL SCHEDULES
E5.03 - PANEL SCHEDULES
E5.04 - PANEL SCHEDULES
E6.01 - ELECTRICAL DETAILS

DIALOG™

stamp



01	ISSUED FOR BID	2013/10/04
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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

drawing title  
titre du dessin

ELECTRICAL LEGENDS

drawn by  
dessiné par OS

designed by  
conçu par OS

approved by  
approuvé par NA

bid  
offre RP project manager  
administrateur de projets

project date  
date du projet 2012-11-06

project no.  
no. du projet DIALOG NO. 09487T.02  
R.047995.001

drawing no.  
dessiné no. E0.00