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SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Electrical & Electronics Products Division
11 Laurier St./11, rue Laurier
7B3, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet PERIMETER DETECTION SYSTEMS CCTV		
Solicitation No. - N° de l'invitation 21120-147874/A		Amendment No. - N° modif. 005
Client Reference No. - N° de référence du client 21120-14-2007874		Date 2014-07-15
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-334-64960		
File No. - N° de dossier hn334.21120-147874		CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-07-25		Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>		
Address Enquiries to: - Adresser toutes questions à: McLaughlin, Michael		Buyer Id - Id de l'acheteur hn334
Telephone No. - N° de téléphone (819) 956-3622 ()		FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:		

Instructions: See Herein

Instructions: Voir aux présentes

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Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

21120-147874/A

Amd. No. - N° de la modif.

005

Buyer ID - Id de l'acheteur

hn334

Client Ref. No. - N° de réf. du client

21120-14-2007874

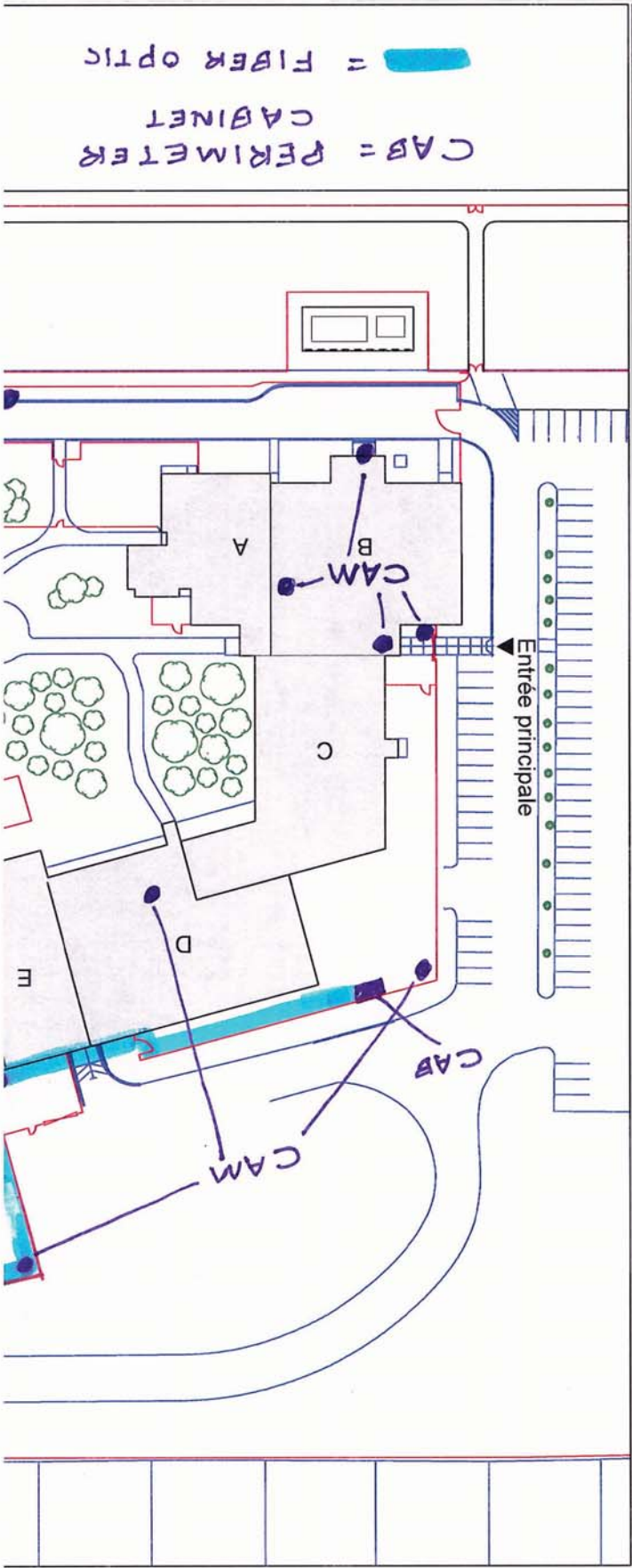
File No. - N° du dossier

hn33421120-147874

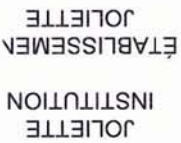
CCC No./N° CCC - FMS No/ N° VME

Cet amendement est porté à inclure des dessins supplémentaires demandées par les soumissionnaires potentiels.

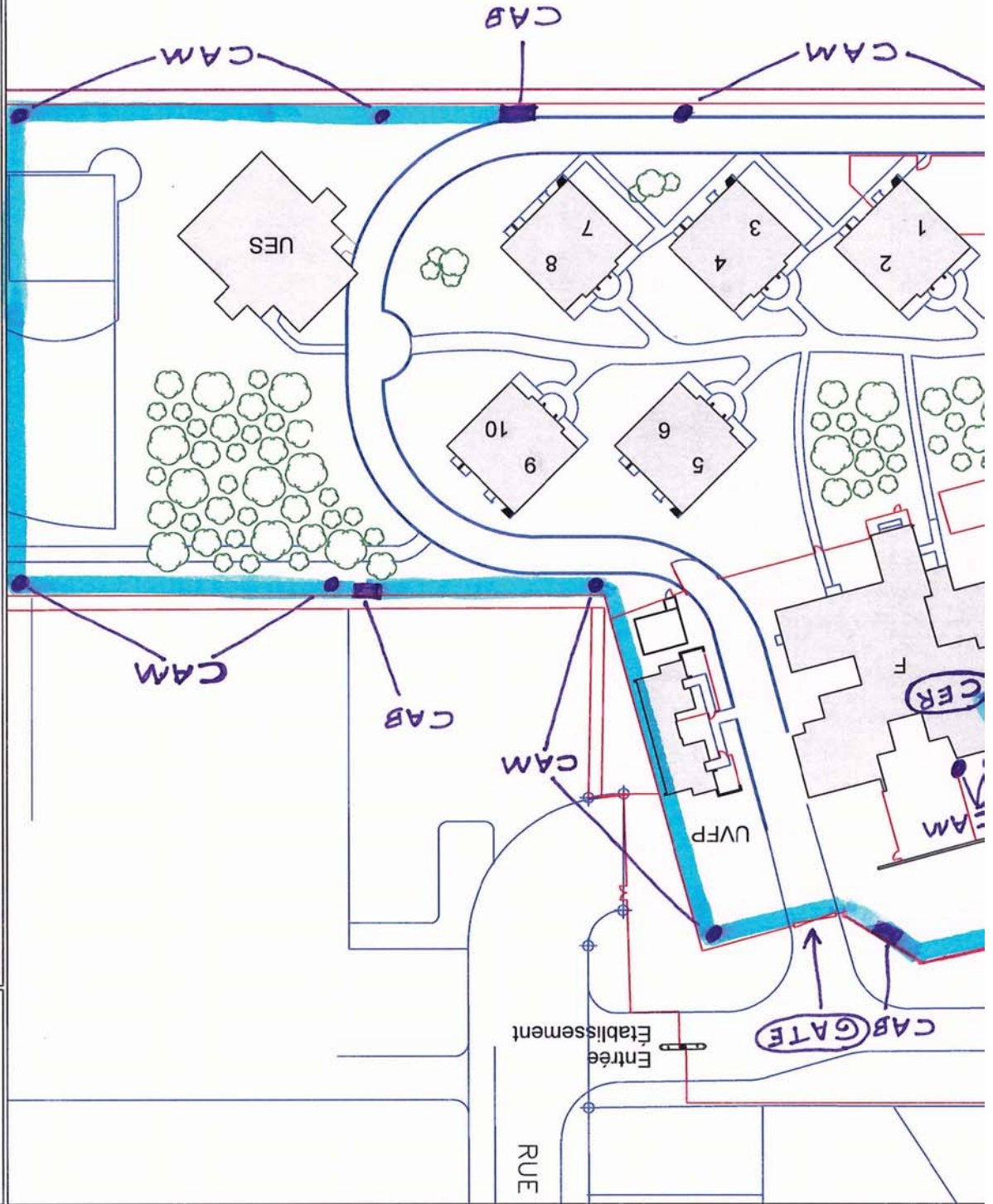
TOUS LES TERMES ET CONDITIONS demeurent inchangées



TAG #	BLDG #	BLDG NAME
325-01	----	LAND
325-02	----	INFRASTRUCTURE
325-03	----	PERIMETER SECURITY
325-04	A	VISITES, CHAPELLE, GARDERIE
325-04	B	ENTRÉE PRINCIPALE, GYMNASSE, LOISIRS
325-04	C	SECTEUR ADMINISTRATIF
325-04	D	SERVICES ALIMENTAIRES, EDUCATION, CORCAN
325-04	E	RESSOURCES MATÉRIELLES, ADMISSION, LIBÉRATION,
325-12	F	UNITÉ MAX
325-11	UES	UNITÉ A ENVIRONNEMENT STRUCTURÉ
325-10	VFP	VISITES FAMILIALES
325-05	01 & 02	UNITÉS D'HABITATION
325-06	03 & 04	UNITÉS D'HABITATION
325-07	05 & 06	UNITÉS D'HABITATION
325-08	07 & 08	UNITÉS D'HABITATION
325-09	09 & 10	UNITÉS D'HABITATION

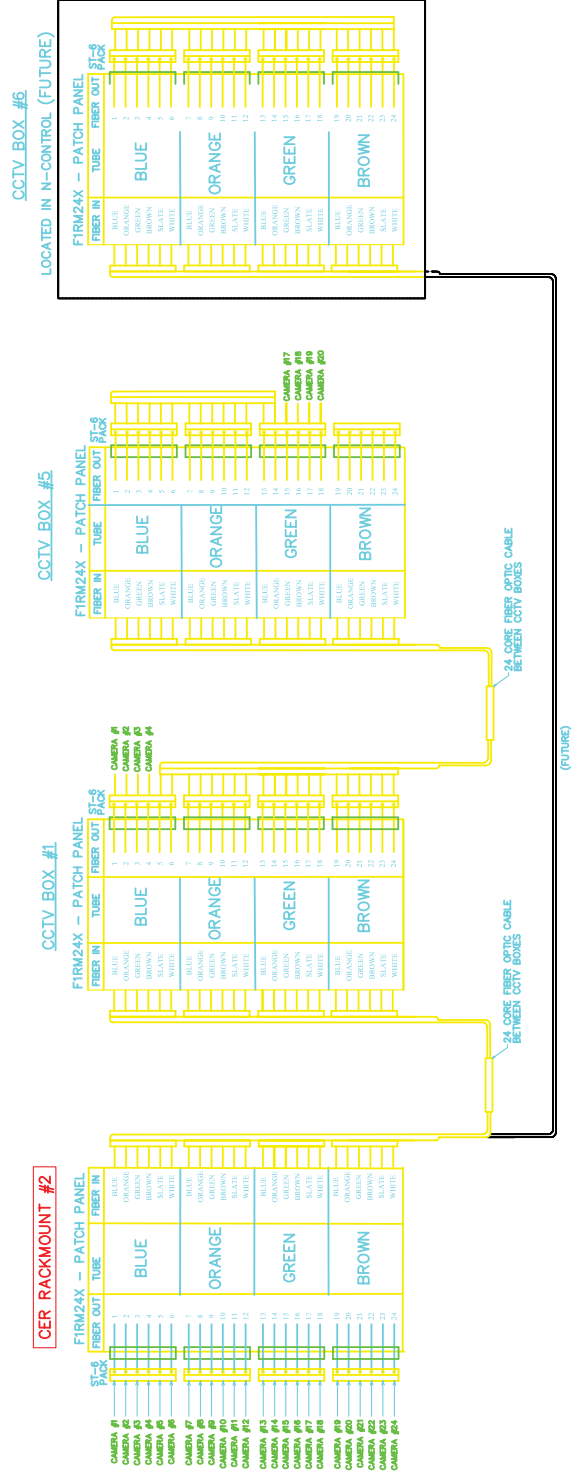
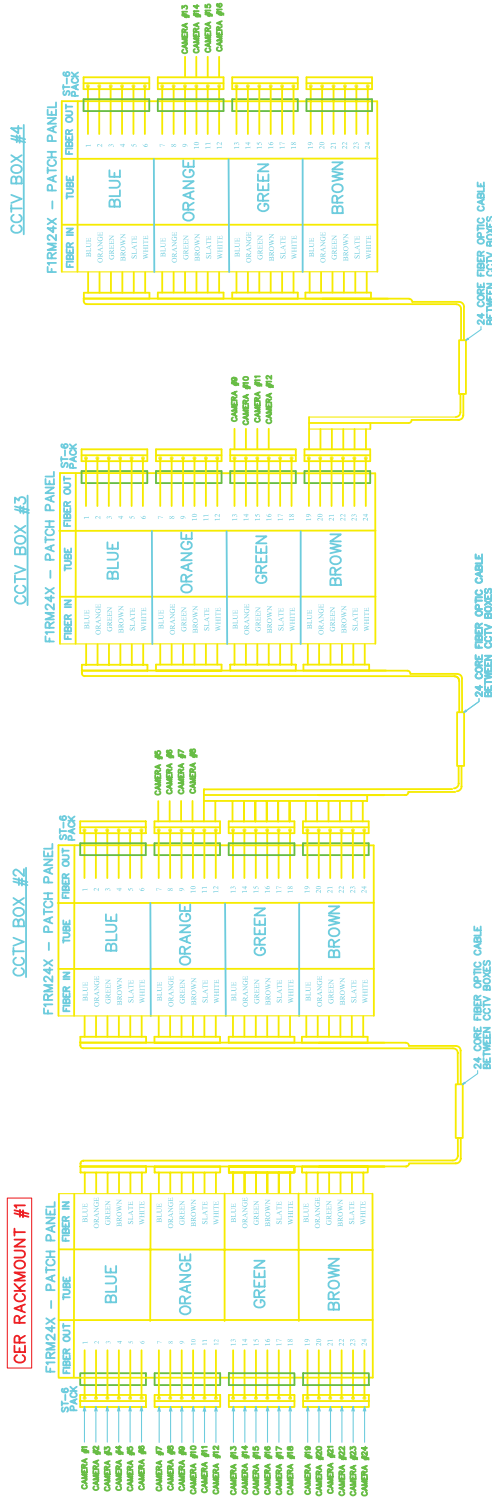


INFRASTRUCTURE /
PERIMETER SECURITY





NOTES



CCTV CONTROL BOX

CAMERAS

P1	C01-C04
P2	C05-C08
P3	C09-C12
P4	C13-C16
P5	C17-C20
P6	FUTURE

LEGEND

= GUARD TOWER

= CAMERA TOWER

= CCTV CONTROL BOX

= FIBER OPTIC CABLE (24-CORE)

= FIBER OPTIC EQUIPMENT (NEW)



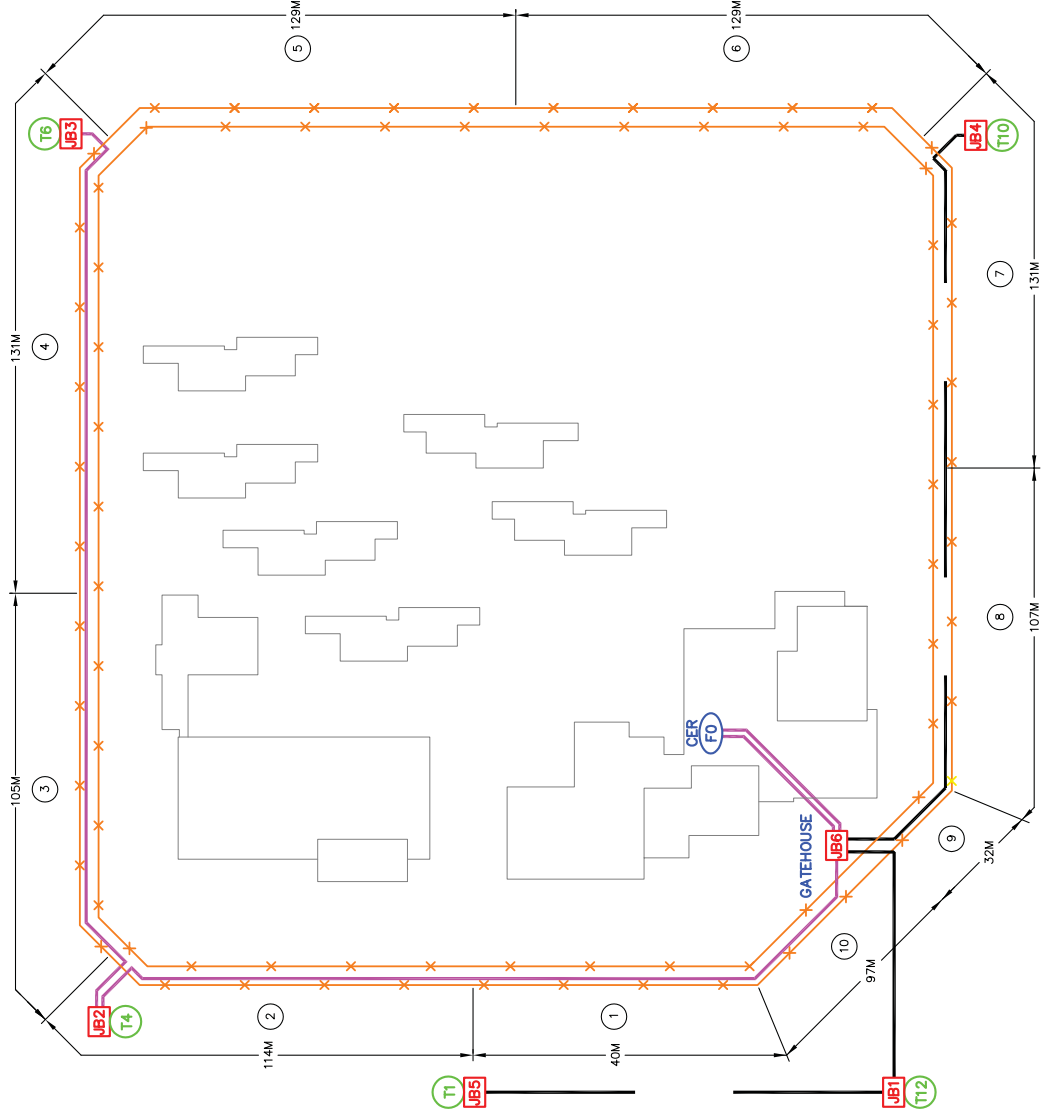
NOTES

NO	REVISION	DATE	BY	APPRO
1	TENDER SUBMISSION	MAY 31/03	JOS	
2	PRELIMINARY DESIGN REPORT	DEC 05/03	JOS	
3	FINAL DESIGN REPORT	JAN 31/06	JOS	
4	AS-BUILT	NOV 28/06	TGL	

PROJECT
PIDS CCTV SYSTEM
REPLACEMENT PROJECT

DRAWING TITLE

DECLASSIFIED BY	SZALC HTS
DATE	SEPTEMBER 26, 2008
CLASSIFIED BY	GJH/PJG/LJS/WL 2112X-037633A
REPRODUCTION PERMITTED BY	WFO/DOO/PJG/JCW/HK 06-008



CCTV CONTROL BOX	CAMERAS
JB1	C13 & C15
JB2	C09-C12
JB3	C05-C08
JB4	C01-C04
JB5	C14 & C16
JB6	C17 & C18

LEGEND

- GT-X = GUARD TOWER
- TX = CAMERA TOWER
- JB = CCTV CONTROL BOX (NEW)
- = FIBER OPTIC CABLE (24 CORE, NEW)
- = FIBER OPTIC CABLE (12 CORE, NEW)
- FO = FIBER OPTIC EQUIPMENT (NEW)

SITE PLAN

PIDS CCTV REPLACEMENT

DRUMMOND INSTITUTION - SITE PLAN

DRUMMONDVILLE, QUEBEC

05-008-DRUMM-03

PWGSC FILE 21120-052074/001/HN

NOVEMBER 7, 2006

AS-BUILT

MARCOMM
FIBRE OPTICS INC
 29 ANTARES DRIVE
 NEPEAN, ONTARIO

DYNATROL

LANSER SENSTAR/DYNATROL INTERFACE ADMINISTRATOR REFERENCE MANUAL REVISION 6

Dynatrol is a copyright of Marcomm Systems Group Inc.
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1.1 SCOPE OF THIS MANUAL

This manual will describe the hardware installation, configuration and diagnostic procedures for the Marcomm **LANSER to FAAS/Dynatrol Interface**.

1.2 PRODUCT DESCRIPTION

The **LANSER to FAAS/Dynatrol Interface** provides a data communications solution for converting packets from asynchronous serial devices to a TCP port that will output over a TCP/IP Ethernet network.

The **LANSER to FAAS/Dynatrol Interface** will convert up to 4 native RS-232 to TCP ports accessible through an Ethernet connection and vice-versa. With an asynchronous serial port connection on one end and two 100 Mbps Ethernet connection on the other, the **LANSER to FAAS/Dynatrol Interface** will allow any serial device to transmit/receive information over an Ethernet network.

The information coming from/to the serial ports and TCP ports is analyzed and converted to several protocols to interface different systems.

The **LANSER to FAAS/Dynatrol Interface** is compatible with the following:

- Dynatrol Integration Software / Senstar-100 Integration Software
 - Genetec Omnicast NVR software
 - UPS (Using a ConnectUPSX/MGE integration card)
 - Generic devices
 - Dynatrol 1616/4040 I/O module

1.3 FEATURES

- 4 RS-232 configurable ports
- 10/100 Mbps Ethernet port
- Field-upgradeable firmware
- Redundant 100 BaseT Ethernet Communications

- Integration to/from Dynatrol integration software
- Integration to/from Senstar-100 Integration software

1.4 PRODUCT SPECIFICATIONS

HARDWARE

Processor:	VIA Luke 800MHz CoreFusion™ / VIA VT8237R-Series South Bridge
System Memory:	1 DDR 400 DIMM slot / Up to 1GB memory size
Onboard VGA:	Integrated VIA UniChrome™ Pro AGP with MPEG-2/4 Acceleration
Expansion Slots:	1 PCI
Onboard IDE:	2 UltraDMA 133/100/66 Connectors
Onboard LAN:	VIA VT6103L 10/100 Ethernet PHY VIA VT6107 10/100 Fast Ethernet (default) or VT6122 Gigabit Ethernet
Onboard Audio:	VIA VT1618 8-channel AC'97 Codec
Onboard I/O Connectors:	2 USB pin headers for 4 additional USB 2.0 ports 1 SIR pin header 2 S-ATA Connectors 1 Buzzer 1 Digital I/O pin header 1 CD Audio-In pin header 1 Front-panel audio pin header (Mic-in and Line-out) 1 WP pin header for BIOS flash 3 Serial port pin headers for COM2/3/4 (5V/12V selectable) 1 CIR pin header (Switchable for KB/MS) 2 Fan connectors: CPU/Sys FAN 1 SM Bus pin header 1 LVDS/TTL/DVI module connector (an add-on card is required) 1 Front-Panel pin header 1 ATX Power Connector
BIOS:	Award BIOS, LPC 4/8Mbit flash memory
Supported OS:	Windows 2000 / XP, Linux, Win CE, XPe
Software Application:	VIA FliteDeck™ Suite MissionControl-H/W Monitoring, Remote SNMP Management FlashPort-Live BIOS Flash SysProbe-Live DMI Browser
System Monitoring:	CPU temperature reading, CPU voltage monitoring Wake-on-LAN, Keyboard-Power-on Timer-Power-on, Watch Dog Timer,
FAN control:	System power management, AC power failure recovery

INTERFACE

Back Panel I/O: 1 PS2 Mouse port
1 PS2 Keyboard port
2 RJ-45 LAN ports
1 Parallel port (LPT)
1 Serial port
4 USB 2.0 ports
1 VGA port
3 Audio jacks: line-out, line-in and mic-in (Vertical, Smart 5.1 Support)

Signals: RS-232: TxD, RxD, GND

Max. Cable Lengths: RS-232: 1300'(400M)@1,200 baud
13'(4M) @115,200 baud

MANAGEMENT

- Configuration interface (Telnet / FTP)
- Diagnostics interface (Diagnostics software)

POWER AND ENVIRONMENT

Power Requirements: 120 VAC 60 Hertz
Operating Temperature: 0 ~ 50°C
Operating Humidity: 0% ~ 95% (relative humidity; non-condensing)

1.5 PRODUCT IDENTIFICATION / SERIAL NUMBER

Each **LANSER to FAAS/Dynatrol Interface** has a unique identification code. The identification code is located on the module label on the front of the interface case. The identification code is interpreted as shown in Figure 1 following:

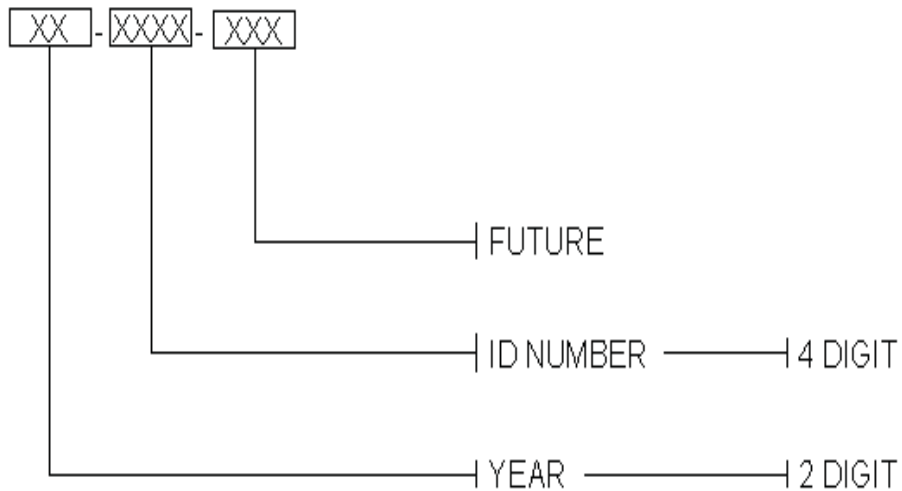


Figure 1 – Identification Code

The identification code indicates the functional capabilities of the particular module and is required at all times when requesting technical assistance or a RMA Number should the module require repair. The identification code of the current module may also be required when ordering additional modules to expand an existing system.

SECTION 2 HARDWARE INSTALLATION

2.1 PRE-INSTALLATION INSPECTION

Prior to installation, visually inspect the module for any signs of damage. If the module appears to have sustained damage in shipping, call for an RMA Number and return the module to Marcomm Systems Group Inc. for repair and/or replacement.

Marcomm Systems Group Inc.
29 Antares Drive
Ottawa, Ontario, Canada
K2E 7V2

Normal Hours 9:00AM to 4:30PM Eastern Time
Monday to Friday
Holidays Excluded
TEL: (613) 226 – 8866
FAX: (613) 226 – 8171
Email: service@msgi.ca

2.2 POWER WIRING INSTALLATION

The **LANSER to FAAS/Dynatrol Interface** is supplied with a 120VAC power supply.

All wiring terminations for power, communications, inputs, and outputs, should be completed prior to applying power to the **LANSER to FAAS/Dynatrol Interface**.

The **LANSER to FAAS/Dynatrol Interface** motherboard utilizes an industry standard 20-pin ATX main connector to the power supply. Due to the EPIA EK platform's ultra low power requirements a 90 – 120 Watt ATX power supply is ample for even the heaviest of multimedia system applications.

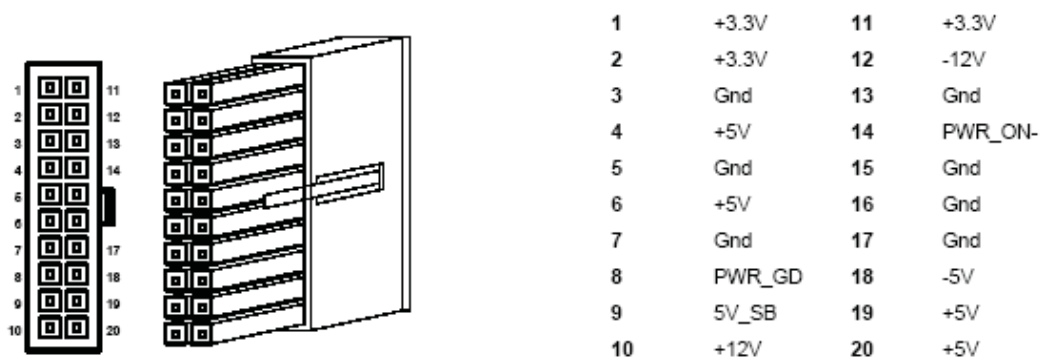


Figure 2 – LANSER to FAAS/Dynatrol Interface internal power connector

2.3 ETHERNET / PORTS WIRING INSTALLATION

RS-232 Data is connected to the onboard DB-9 connector. In the event that more ports are required, the **LANSER to FAAS/Dynatrol Interface** will come equip with a card to allow connection to more than 1 serial port.

Generally 1 Pair (RS-232) 22AWG shielded twisted pair cable will provide adequate support. Shields should only be terminated at one end of the data bus in order to avoid potential ground loop situations.

Ethernet connections are made using factory manufactured patch cables or field terminated cables. When connecting directly to the **LANSER to FAAS/Dynatrol Interface** use a crossover cable, otherwise use a straight cable.

A straight cable will be terminated with Type A or Type B terminations at each end while a crossed cable will be terminated with a Type A termination at one end and a Type B termination at the other hand, as shown below in Figure 10. When other Ethernet devices are employed, such as fiber optic transceivers follow manufacturer's directions for connection.

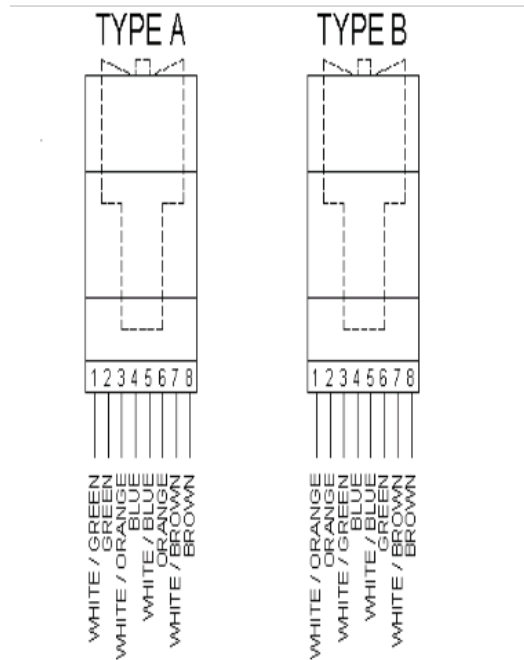


Figure 3 – Ethernet connections

3.1 SYSTEM SOFTWARE REQUIREMENTS

OPERATING SYSTEM REQUIREMENTS

- Windows® based platform
- Unix ® based platform

SOFTWARE REQUIREMENTS

A Telnet client application will be required to configure/modify the **LANSER to FAAS/Dynatrol Interface**. An FTP client application will be required to upgrade the **LANSER to FAAS/Dynatrol Interface** firmware.

The following tools have been tested and deemed functional:

- FileZilla (FTP): <http://filezilla-project.org/download.php?type=client>
- Putty (Telnet):
<http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>

3.2 ACCESSING THE CONFIGURATION INTERFACE

To access the configuration interface, open your Telnet client application and connect to the **LANSER to FAAS/Dynatrol Interface** IP address.

Host name:	<IP address>
Connection type:	Telnet
Port:	22

Upon a successful connection, you will be prompted for a username/password.

Username: marcomm
Password: 4444

3.3 INTERFACE CONFIGURATIONS

To access the interface configuration you will be required to access the proper **LANSER to FAAS/Dynatrol Interface** module directory.

To do so, type the following command at the prompt: `cd /home/marcomm/LANSERX/` (where **X** is the LANSER module ID).

For example, if only one RS-232 interface is deployed, X will be 1 and the command will read:

`cd/home/marcomm/LANSER1/`

To access the general configuration, type the following command at the prompt:

`pico config.cfg`

- **IP:** IP address of the LANSER module.
- **OUTIP:** The IP address of the deployed Dynatrol station.
Specify 0.0.0.0 to integrate to a Senstar-100 system.
- **OUTPPORT:** The Integration port of the deployed Dynatrol station.
- **ID:** This address is the ID of the module (Do not modify)
- **IOPORT:** This is legacy information and should not be changed.
- **SERIAL:** This is the serial port designation, this can be change to match the serial port on which the serial device is attached.
- **BAUD:** This is the baud rate at which the serial device attached to the serial port communicates
- **BITS:** This is the data bits settings used to communicate with the serial device attached to the serial port.
- **PARITY:** This is the parity settings to communicate with the serial device attached to the serial port.
- **STOPBITS:** This is the stop bits settings to communicate with the serial device attached to the serial port.

To access the Dynatrol 1616/4040 configuration, type the following command at the prompt:

pico points.cfg

- NET: This is the Net number on which the designated Dynatrol I/O is broadcasting.
 - Panel: This is the Device ID of the designated Dynatrol I/O.
 - Point: This is the Dynatrol I/O point to translate to a Senstar-100 point or Dynatrol point.
 - FAASP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on change (alarm/secure) of the attached Dynatrol I/O point.
 - FAASB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on change (alarm/secure) of the attached Dynatrol I/O point. Will be 1 or 2.
 - GP: This is a point sent to a generic device on change (alarm/secure) of the attached Dynatrol I/O point.
 - OIP: This is a point sent to the Open Interface on change (alarm/secure) of the attached Dynatrol I/O point.
- Notes: Point **65501** is used to announce network offline on the given network.
Point **6540X** is used to announce panel X offline on the given network.

To access the Genetec Omnicast configuration, type the following command at the prompt:

pico genetec.cfg

- IP: This is the IP address on which the Genetec Omnicast Software broadcasts the system information.
- SPORT: This is the Server Port on which the **LANSER to FAAS/Dynatrol Interface** communicates with the Genetec Omnicast Software.

Genetec Omnicast to Senstar-100 / Dynatrol

- POINT: This is the Genetec Omnicast Action to translate to a Senstar-100 point or Dynatrol point.
- FAASP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on change (Alarm/Secure) of the attached Genetec point.
- FAASB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on change. (Alarm/Secure) of the attached Genetec point. It will be 1 or 2.
- IOP: This is a point sent to a dynatrol 1616/4040 I/O on change (alarm/secure) of the attached Genetec point.
- OIP: This is a point sent to the Open Interface on change (alarm/secure) of the attached Dynatrol I/O point.

Senstar-100 / Dynatrol to Genetec Omnicast

- FAASP: This is the alarm point from the Senstar-100/Dynatrol Integration software that translate to a Genetec Omnicast point.
- FAASB: This is the alarm bit from the Senstar-100/Dynatrol Integration software that translate to a Genetec Omnicast point. It will be 1 or 2.
- POINT: This is the alarm point to send to the Genetec Omnicast Software on change (alarm/secure) of the attached Dynatrol or Senstar-100 point.

Notes: Point **65500** is used to announce Genetec Omnicast Integration macro offline.
Point **6550X** is used to announce Virtual Matrix X offline.

To access the UPS configuration, type the following command at the prompt:

pico ups.cfg

- IP: This is the IP address of the UPS.
- TYPE: Type of card deployed.
Powerware X125 family using the ConnectX UPS Card
Powerware X130 family using the ConnectUPS-MS card
- ALPHA UPS
- BATLOW: This is the threshold at which a “Low Battery” alarm will be sent to the integration software. (In seconds)
- BLOWP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on Battery Low.
- BLOWB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on Failure of the UPS.
- LOWGP: This is a point that is sent to a generic device on Battery Low.
- LOWIOP: This is a point that is sent to a Dynatrol 1616/4040 I/O device on Battery Low.
- LOWOIP: This is a point that is sent to an Open Interface device on Battery Low.
- ACP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on AC Failure.
- ACB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on AC Failure.
- ACGP: This is a point that is sent to a generic device on AC Failure.
- ACIOP: This is a point that is sent to a Dynatrol 1616/4040 I/O device on AC Failure.
- ACOIP: This is a point that is sent to an Open Interface device on AC Failure.
- FLP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on aUPS failure.
- FLB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on a UPS failure.
- FGP: This is a point that is sent to a generic device on UPS Failure.
- FIOP: This is a point that is sent to a Dynatrol 1616/4040 I/O device on UPS Failure.
- FOIP: This is a point that is sent to an Open Interface device on UPS Failure.
- OFFLP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on Network failure.
- OFFLB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on Network failure.
- OFFGP: This is a point that is sent to a generic device on Network Failure.
- OFFIOP: This is a point that is sent to a Dynatrol 1616/4040 I/O device on Network Failure.
- OFFOIP: This is a point that is sent to an Open Interface device on UPS Failure.

To access the Generic devices configuration, type the following command at the prompt:

pico generic.cfg

- **DEVICE:** This is the Device ID. The **LANSER to FAAS/Dynatrol Interface** supports up to 9 generic devices.
- **Point:** This is the Generic point to translate to a Senstar-100 point or Dynatrol point.
- **FAASP:** This is the alarm point to send to the Senstar-100 or Dynatrol integration software on change (alarm/secure) of the attached Generic device.
- **FAASB:** This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on change (alarm/secure) of the attached Generic device.

Notes: Point **65501** is used to announce network offline on the given network. For more information on the Generic interface, please communicate with us.

To access the Open Interface configuration, type the following command at the prompt:

pico DynatrolOpenInterface.cfg

- POINT: This is the Open Interface action to translate to a Senstar-100 point or Dynatrol point.
- FAASP: This is the alarm point to send to the Senstar-100 or Dynatrol integration software on change (alarm/secure) of the attached Genetec point.
- FAASB: This is the alarm bit to send to the Senstar-100 or Dynatrol integration software on change. (Alarm/secure) of the attached Genetec point. It will be 1 or 2.
- GP: This is a point sent to a Generic device on change (alarm/secure) of the attached Open Interface point.
- IOP: This is a point sent to a Dynatrol 1616/4040 I/O on change (alarm/secure) of the attached Open Interface point.

3.4 FIRMWARE UPGRADE

To upgrade the **LANSER to FAAS/Dynatrol Interface** firmware, open your Telnet client application and connect to the **LANSER to FAAS/Dynatrol Interface** IP address.

Host name: <IP address>
Connection type: Telnet
Port: 22

Upon a successful connection, you will be prompted for a username/password.

Username: marcomm
Password: 4444

Type the following command to STOP the **LANSER to FAAS/Dynatrol Interface** firmware module:

```
/etc/init.d/LANSER1 stop
```

The following information will be shown on screen:

```
Thu Oct 9 22:18:16 EDT 2008 - LANSER Module 1 stopped  
Thu Oct 9 22:18:16 EDT 2008 - Stopping LANSER Module: ls_faas
```

For backup purposes, rename the **LANSER to FAAS/Dynatrol Interface** firmware files prior to overwriting them.

Establish an FTP connection with the **LANSER to FAAS/Dynatrol Interface** IP address.

Host name:	<IP address>
Connection type:	FTP
Port:	21
Logon type:	Normal
Username:	marcomm
Password:	4444

1. Upload the new firmware files in the proper **LANSER to FAAS/Dynatrol Interface** module directory (/home/marcomm/LANSERX/) (where **X** is the LANSER module ID). For example, if only one RS-232 interface is deployed, X will be 1 and the upload directory will be /home/marcomm/LANSER1/
2. Type “su” (4444) to login as root
3. Copy the new files in the proper **LANSER to FAAS/Dynatrol Interface** module directory.
4. Type “chmod 777 /home/marcomm/LANSERX/*”(where **X** is the LANSER module ID)
5. Type “chown marcomm:marcomm /home/marcomm/LANSER1/*”(where **X** is the LANSER module ID)

Type the following command to START the **LANSER to FAAS/Dynatrol Interface** firmware module:

```
/etc/init.d/LANSER1 start
```

The following information will be shown on screen:

```
Thu Oct 9 22:22:30 EDT 2008 - LANSER Module 1 started
Thu Oct 9 22:22:30 EDT 2008 - Starting LANSER Module: ls_faas
```

The firmware upgrade process is completed.

4.1 HARDWARE DIAGNOSTICS

On the older style LANSER, pictured below, the status can be obtained from the following LEDs.

Upon a valid power connection, the POWER LED will be lit.

Upon HD activity, the Activity diagnostic LED will toggle,



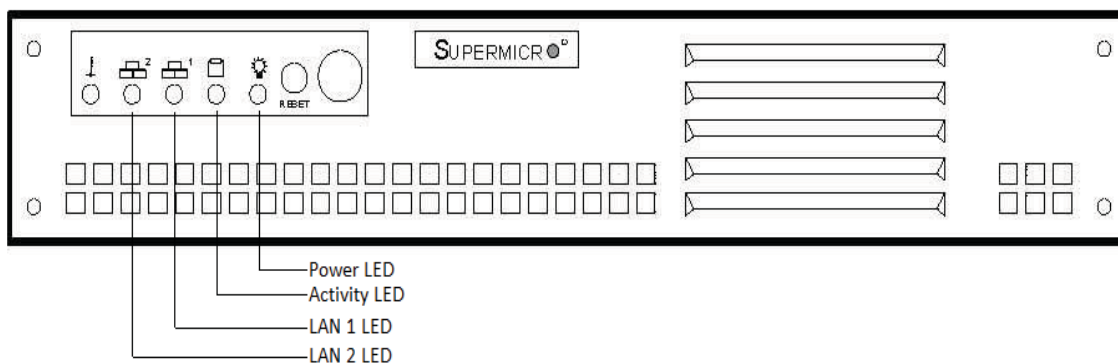
Figure 4 – Hardware Diagnostics LED

The Current LANSERs have a few more status LEDs as listed below.

Upon a valid power connection, the POWER LED will be lit.

Upon a valid network connection the corresponding NETWORK LED will be lit. Note that there are two network jacks, and two network connections are possible.

Upon HD activity, the Activity diagnostic LED will toggle.



4.2 SOFTWARE DIAGNOSTICS

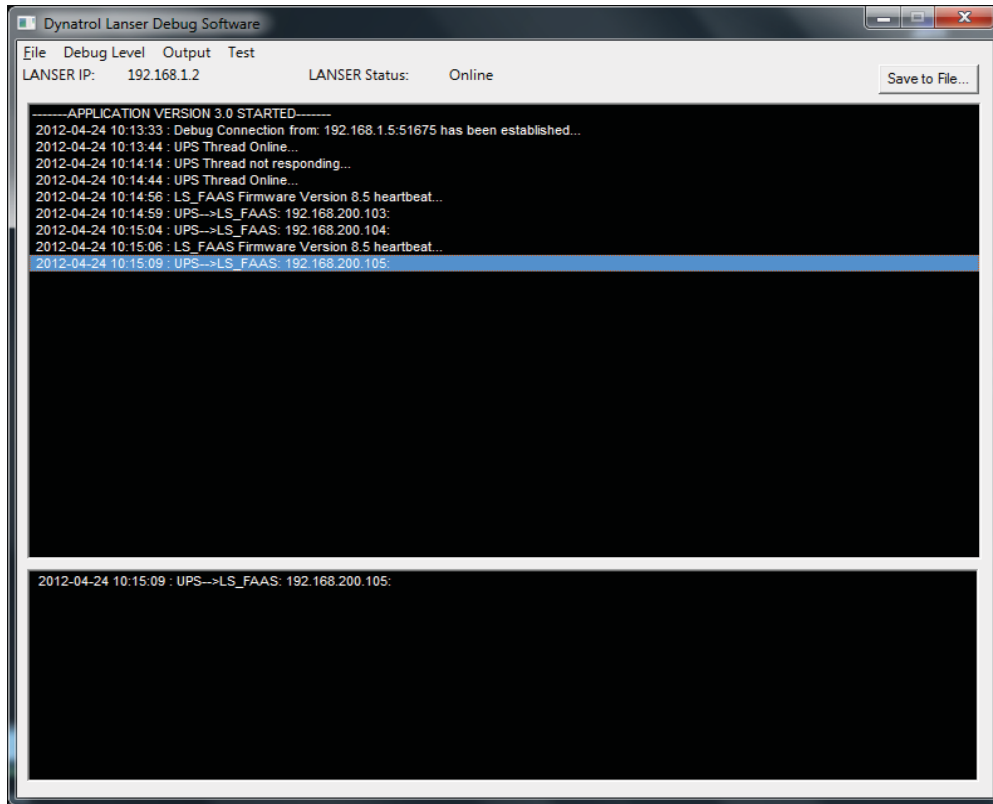


Figure 5 – Software Diagnostics

Software diagnostics is achieved using the `im_lsdebug` software. To use the software create a shortcut of `im_lsdebug.exe` and edit the properties of the new icon to include the I.P address of the LANSER (i.e. `C:\im_lsdebug.exe 192.168.1.2`). Open this shortcut and it will automatically connect to the LANSER. All system information/event will be posted as they arrive. Review the information to ensure the module is functional.

5.1 FREQUENTLY ASKED QUESTIONS

This section will fill up as our service department receives queries on this particular product.

5.2 TROUBLESHOOTING TIPS

This section will fill up as our service department receives queries on this particular product.

5.3 TROUBLESHOOTING PROCEDURE

This section will guide you to troubleshoot and replace a Dynatrol LANSER.

The following events/failures are reported:

- 1 The integration between the main System (Genetec, I/O, Generic device) and Integration software (PIDS/FAAS or Dynatrol) is not operational.
- 2 The recording on alarm from FDS/MDS is not operational.

Establishing a troubleshooting communication to the interface

Using a computer deployed on the relevant network, execute the Integration module application (im_lsdebug.exe) as shown above under Software Diagnostics. The module will automatically connect to the LAN to Serial Interface. The system activity will be logged in real-time. If the module cannot connect to the LAN to Serial Interface, ensure that the computer IP address is located in the proper group and that the LAN to Serial Interface can be accessed. (Using a “ping” command to access both the LAN to Serial Interface and camera).

If the computer used for troubleshooting has access to the network, but cannot access the LAN To Serial Interface, reboot the LAN to Serial Interface. If the interface is still not accessible, **replace the LAN to Serial Interface**.

If the module logs activity but the interface is not operational, set the module “Debug Level” to 3 and leave the module logging for 10 minutes. Press the “Save to File...” button. The saved logs will be located under the “Log File Directory” as specified in the module. Send the files to service@msgi.ca with a description of the issue for our technical support department to review.

Replacing a LAN to Serial Interface

- Remove the faulty interface from the network.
- Install the spare interface on the network.
- Restart the Computer.
- Establish a troubleshooting connection to the interface.
- Ensure the interface is operational.

NOTES

Upon a LAN to Serial Interface failure, the Integration software status will not be accurate and may need to be manually synchronized by clearing alarms manually through the Genetec Omnicast or Dynatrol Cell Call systems.

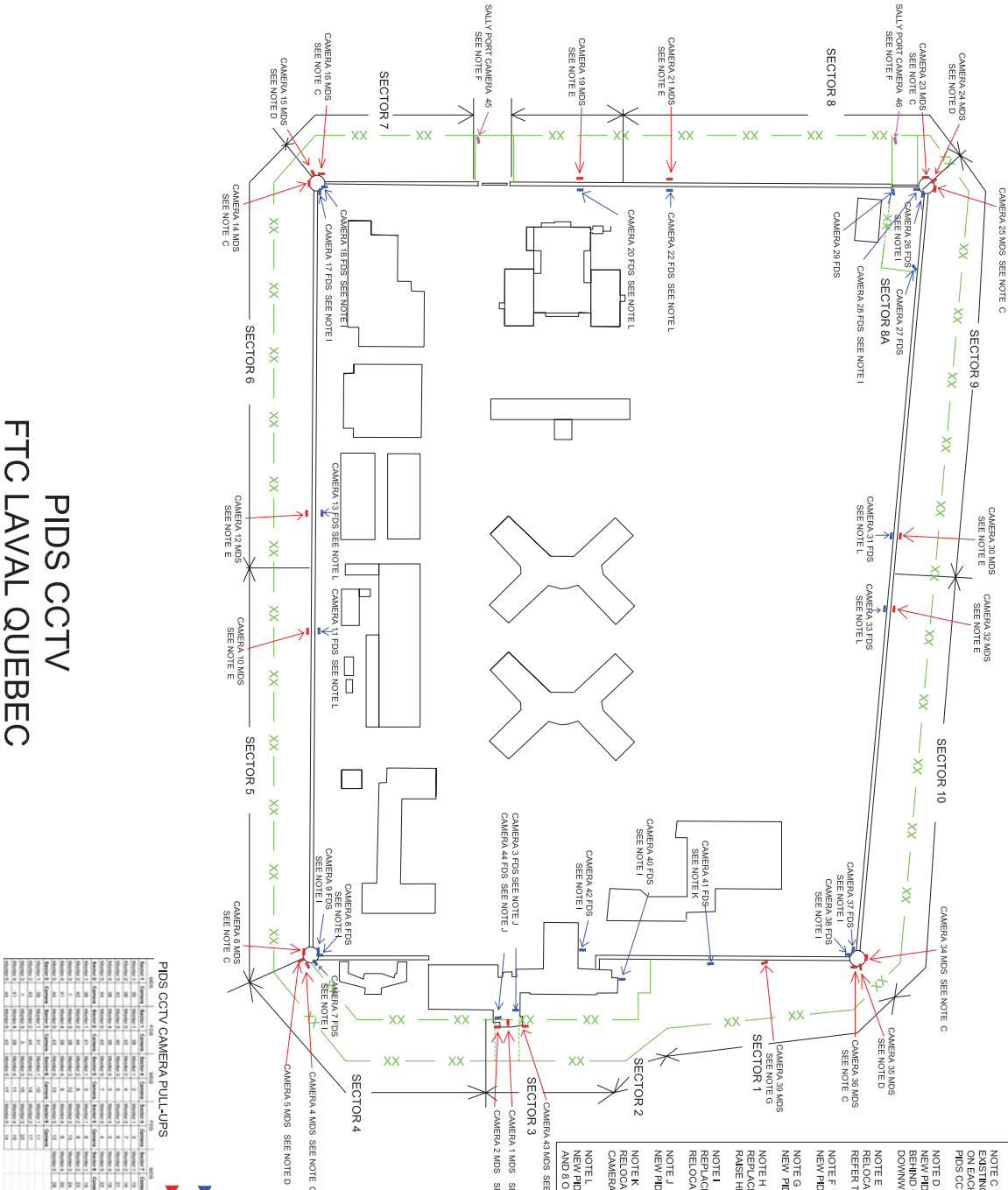
SECTION 6

KNOWN ISSUES

No known issues to date

DRAWING NOTES

- NOTE A
NEW OUTDOOR DOME CAMERA MOUNTED UNDER VESTIBULE COVERING PRINCIPLE ENTRANCE AREA.
- NOTE B
NEW MDS CAMERA.
- NOTE C
EXISTING PIDS MDS CAMERAS TO BE RELOCATED AND REFER TO IMAGE 1 AND 2 ON PIDS CCTV DRAWING 2.
- NOTE D
NEW PIDS MDS CAMERAS WITH FIELD OF VIEW BEHIND GUARD TOWER CAMERA POINTING DOWNWARDS REFER TO IMAGE 3 ON DRAWING 2.
- NOTE E
RELOCATE EXISTING PIDS MDS CAMERAS. REFER TO IMAGE 4, 5 AND 6 ON DRAWING 2.
- NOTE F
NEW PIDS FDS SALLY PORT CAMERAS.
- NOTE G
NEW PIDS MDS CAMERAS
- NOTE H
REPLACE EXISTING FDS ANALOG CAMERAS AND RAISE HEIGHT OF CAMERAS TO TOP BUILDING.
- NOTE I
REPLACE ALL PIDS FDS ANALOG CAMERAS AND RELOCATE AS REQUIRED ON GUARD TOWERS.
- NOTE J
NEW PIDS FDS CAMERAS.
- NOTE K
RELOCATE AND REPLACE EXISTING FDS ANALOG CAMERA.
- NOTE L
NEW PIDS FDS CAMERAS REFER TO IMAGE 7 AND 8 ON DRAWING 2.



PIDS CCTV CAMERA PULL-UPS

Camera	Model	Resolution	Frame Rate	FOV	Mounting	Power	Notes
1	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note A
2	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note B
3	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note C
4	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note D
5	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note E
6	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note F
7	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note G
8	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note H
9	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note I
10	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note J
11	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note K
12	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note L
13	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note M
14	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note N
15	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note O
16	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note P
17	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note Q
18	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note R
19	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note S
20	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note T
21	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note U
22	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note V
23	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note W
24	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note X
25	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note Y
26	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note Z
27	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AA
28	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AB
29	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AC
30	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AD
31	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AE
32	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AF
33	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AG
34	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AH
35	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AI
36	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AJ
37	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AK
38	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AL
39	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AM
40	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AN
41	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AO
42	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AP
43	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AQ
44	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AR
45	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AS
46	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AT
47	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AU
48	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AV
49	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AW
50	HD-SDI	1080P	30FPS	90°	Fixed	12VDC	See Note AX

Project: Laval, Québec, Canada

Client: Correctional Service Canada

Drawn By: [Name]

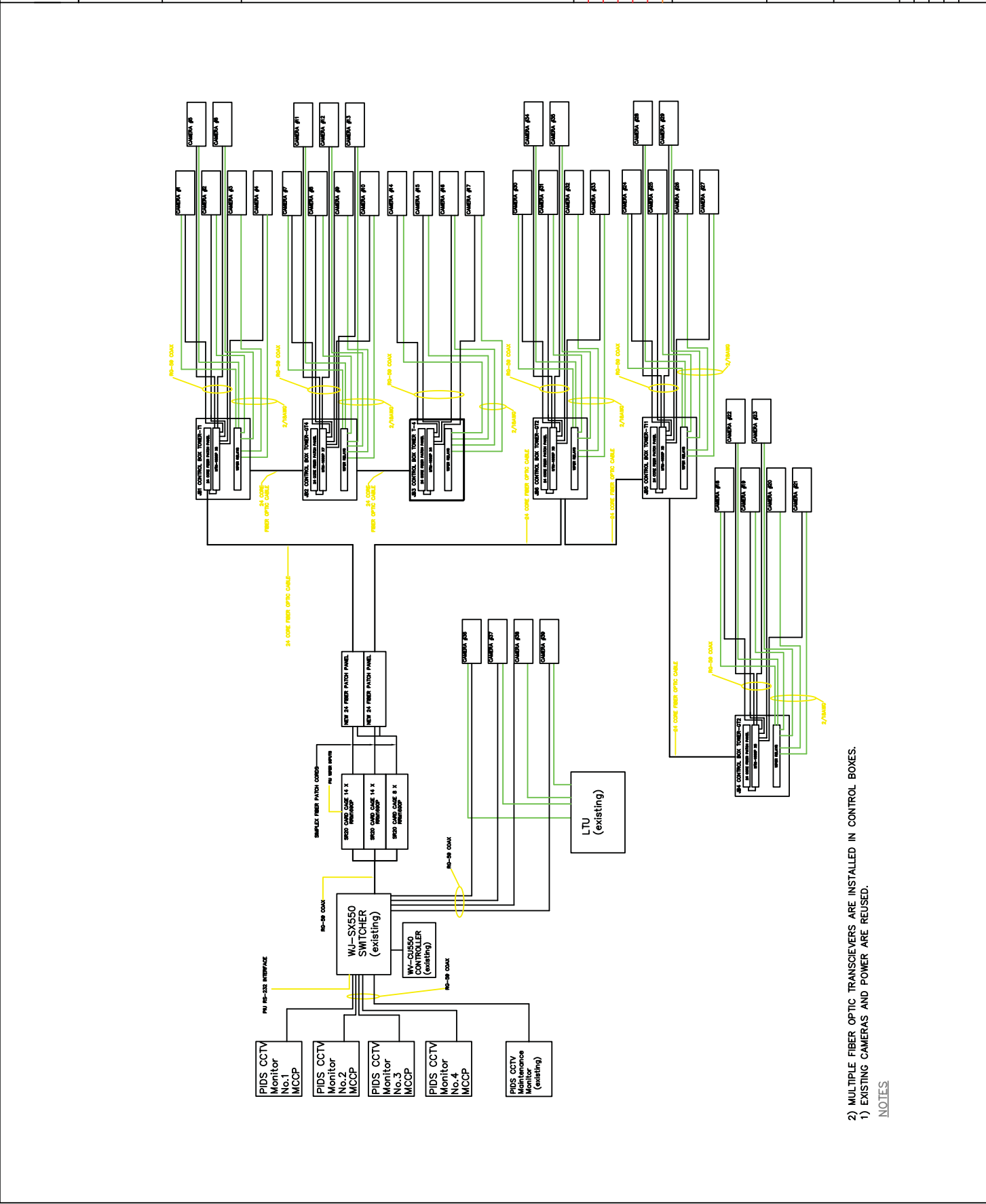
Checked By: [Name]

Approved By: [Name]

Project No./Rev. No. /Project /Revision

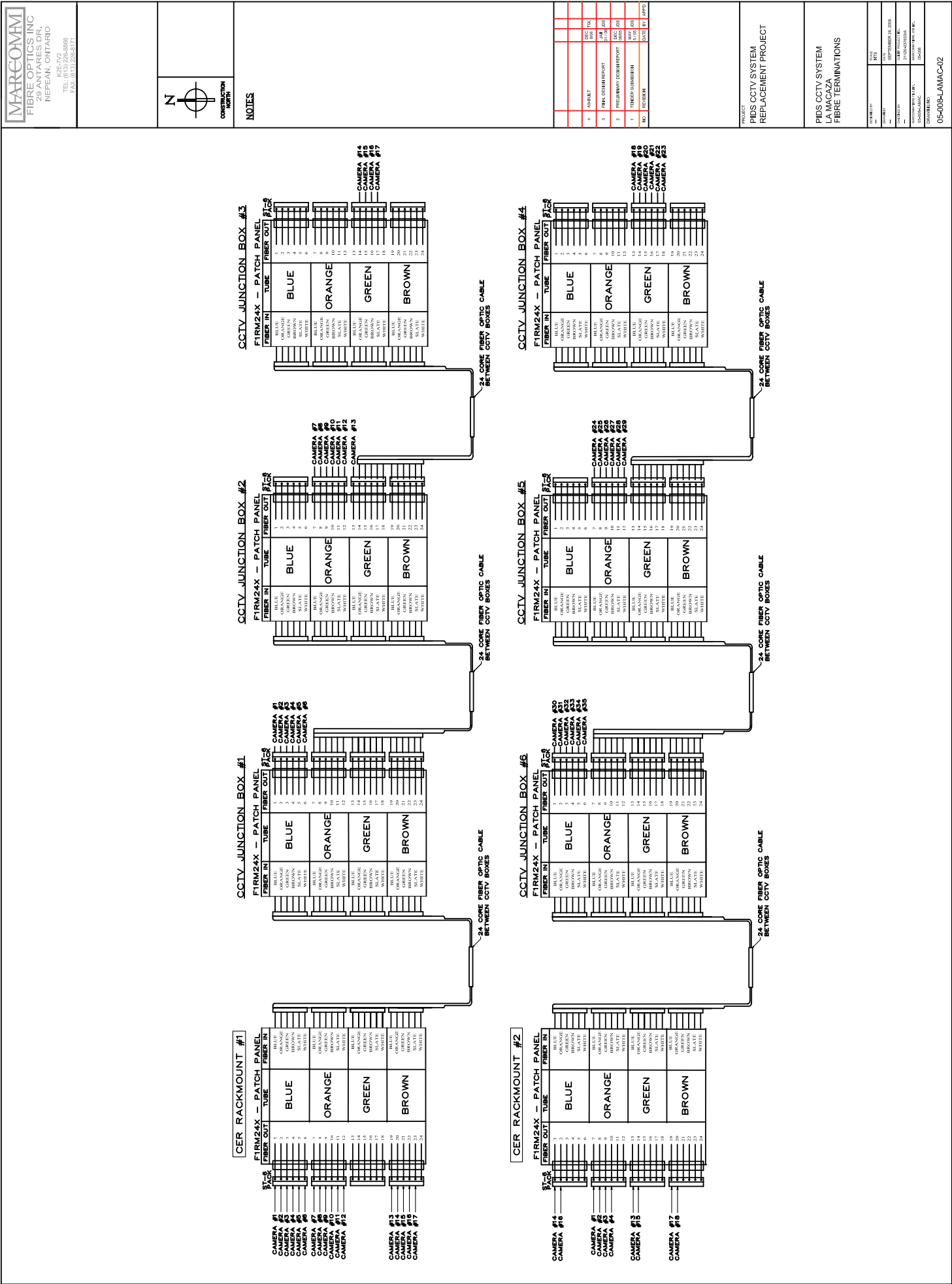
1 2

PIDS CCTV
FTC LAVAL QUEBEC



2) MULTIPLE FIBER OPTIC TRANSCEIVERS ARE INSTALLED IN CONTROL BOXES.
1) EXISTING CAMERAS AND POWER ARE REUSED.

NOTES





NOTES

CCTV BOX #2

FIRM24X – PATCH PANEL

FIBER IN	TUBE	FIBER OUT
1	BLUE	1
2	ORANGE	2
3	GREEN	3
4	BROWN	4
5	SLATE	5
6	WHITE	6
7	BLUE	7
8	ORANGE	8
9	GREEN	9
10	BROWN	10
11	SLATE	11
12	WHITE	12
13	BLUE	13
14	ORANGE	14
15	GREEN	15
16	BROWN	16
17	SLATE	17
18	WHITE	18
19	BLUE	19
20	ORANGE	20
21	GREEN	21
22	BROWN	22
23	SLATE	23
24	WHITE	24

CCTV BOX #1

FIRM24X – PATCH PANEL

FIBER IN	TUBE	FIBER OUT
1	BLUE	1
2	ORANGE	2
3	GREEN	3
4	BROWN	4
5	SLATE	5
6	WHITE	6
7	BLUE	7
8	ORANGE	8
9	GREEN	9
10	BROWN	10
11	SLATE	11
12	WHITE	12
13	BLUE	13
14	ORANGE	14
15	GREEN	15
16	BROWN	16
17	SLATE	17
18	WHITE	18
19	BLUE	19
20	ORANGE	20
21	GREEN	21
22	BROWN	22
23	SLATE	23
24	WHITE	24

CER RACKMOUNT #1

FIRM24X – PATCH PANEL

FIBER IN	TUBE	FIBER OUT
1	BLUE	1
2	ORANGE	2
3	GREEN	3
4	BROWN	4
5	SLATE	5
6	WHITE	6
7	BLUE	7
8	ORANGE	8
9	GREEN	9
10	BROWN	10
11	SLATE	11
12	WHITE	12
13	BLUE	13
14	ORANGE	14
15	GREEN	15
16	BROWN	16
17	SLATE	17
18	WHITE	18
19	BLUE	19
20	ORANGE	20
21	GREEN	21
22	BROWN	22
23	SLATE	23
24	WHITE	24

CAMERA #1	1	BLUE	1
CAMERA #2	2	ORANGE	2
CAMERA #3	3	GREEN	3
CAMERA #4	4	BROWN	4
CAMERA #5	5	SLATE	5
CAMERA #6	6	WHITE	6
CAMERA #7	7	BLUE	7
CAMERA #8	8	ORANGE	8
CAMERA #9	9	GREEN	9
CAMERA #10	10	BROWN	10
CAMERA #11	11	SLATE	11
CAMERA #12	12	WHITE	12
CAMERA #13	13	BLUE	13
CAMERA #14	14	ORANGE	14
CAMERA #15	15	GREEN	15
CAMERA #16	16	BROWN	16
CAMERA #17	17	SLATE	17
CAMERA #18	18	WHITE	18
CAMERA #19	19	BLUE	19
CAMERA #20	20	ORANGE	20
CAMERA #21	21	GREEN	21
CAMERA #22	22	BROWN	22
CAMERA #23	23	SLATE	23
CAMERA #24	24	WHITE	24

CCTV BOX #4

FIRM24X – PATCH PANEL

FIBER IN	TUBE	FIBER OUT
1	BLUE	1
2	ORANGE	2
3	GREEN	3
4	BROWN	4
5	SLATE	5
6	WHITE	6
7	BLUE	7
8	ORANGE	8
9	GREEN	9
10	BROWN	10
11	SLATE	11
12	WHITE	12
13	BLUE	13
14	ORANGE	14
15	GREEN	15
16	BROWN	16
17	SLATE	17
18	WHITE	18
19	BLUE	19
20	ORANGE	20
21	GREEN	21
22	BROWN	22
23	SLATE	23
24	WHITE	24

CCTV BOX #5

FIRM24X – PATCH PANEL

FIBER IN	TUBE	FIBER OUT
1	BLUE	1
2	ORANGE	2
3	GREEN	3
4	BROWN	4
5	SLATE	5
6	WHITE	6
7	BLUE	7
8	ORANGE	8
9	GREEN	9
10	BROWN	10
11	SLATE	11
12	WHITE	12
13	BLUE	13
14	ORANGE	14
15	GREEN	15
16	BROWN	16
17	SLATE	17
18	WHITE	18
19	BLUE	19
20	ORANGE	20
21	GREEN	21
22	BROWN	22
23	SLATE	23
24	WHITE	24

CER RACKMOUNT #2

FIRM24X – PATCH PANEL

FIBER IN	TUBE	FIBER OUT
1	BLUE	1
2	ORANGE	2
3	GREEN	3
4	BROWN	4
5	SLATE	5
6	WHITE	6
7	BLUE	7
8	ORANGE	8
9	GREEN	9
10	BROWN	10
11	SLATE	11
12	WHITE	12
13	BLUE	13
14	ORANGE	14
15	GREEN	15
16	BROWN	16
17	SLATE	17
18	WHITE	18
19	BLUE	19
20	ORANGE	20
21	GREEN	21
22	BROWN	22
23	SLATE	23
24	WHITE	24

CAMERA #1	1	BLUE	1
CAMERA #2	2	ORANGE	2
CAMERA #3	3	GREEN	3
CAMERA #4	4	BROWN	4
CAMERA #5	5	SLATE	5
CAMERA #6	6	WHITE	6
CAMERA #7	7	BLUE	7
CAMERA #8	8	ORANGE	8
CAMERA #9	9	GREEN	9
CAMERA #10	10	BROWN	10
CAMERA #11	11	SLATE	11
CAMERA #12	12	WHITE	12
CAMERA #13	13	BLUE	13
CAMERA #14	14	ORANGE	14
CAMERA #15	15	GREEN	15
CAMERA #16	16	BROWN	16
CAMERA #17	17	SLATE	17
CAMERA #18	18	WHITE	18
CAMERA #19	19	BLUE	19
CAMERA #20	20	ORANGE	20
CAMERA #21	21	GREEN	21
CAMERA #22	22	BROWN	22
CAMERA #23	23	SLATE	23
CAMERA #24	24	WHITE	24

CCTV BOX #3

FIRM24X – PATCH PANEL

FIBER IN	TUBE	FIBER OUT
1	BLUE	1
2	ORANGE	2
3	GREEN	3
4	BROWN	4
5	SLATE	5
6	WHITE	6
7	BLUE	7
8	ORANGE	8
9	GREEN	9
10	BROWN	10
11	SLATE	11
12	WHITE	12
13	BLUE	13
14	ORANGE	14
15	GREEN	15
16	BROWN	16
17	SLATE	17
18	WHITE	18
19	BLUE	19
20	ORANGE	20
21	GREEN	21
22	BROWN	22
23	SLATE	23
24	WHITE	24

CAMERA #1	1	BLUE	1
CAMERA #2	2	ORANGE	2
CAMERA #3	3	GREEN	3
CAMERA #4	4	BROWN	4
CAMERA #5	5	SLATE	5
CAMERA #6	6	WHITE	6
CAMERA #7	7	BLUE	7
CAMERA #8	8	ORANGE	8
CAMERA #9	9	GREEN	9
CAMERA #10	10	BROWN	10
CAMERA #11	11	SLATE	11
CAMERA #12	12	WHITE	12
CAMERA #13	13	BLUE	13
CAMERA #14	14	ORANGE	14
CAMERA #15	15	GREEN	15
CAMERA #16	16	BROWN	16
CAMERA #17	17	SLATE	17
CAMERA #18	18	WHITE	18
CAMERA #19	19	BLUE	19
CAMERA #20	20	ORANGE	20
CAMERA #21	21	GREEN	21
CAMERA #22	22	BROWN	22
CAMERA #23	23	SLATE	23
CAMERA #24	24	WHITE	24

24 CORE FIBER OPTIC CABLE
BETWEEN CCTV BOXES

24 CORE FIBER OPTIC CABLE
BETWEEN CCTV BOXES

24 CORE FIBER OPTIC CABLE
BETWEEN CCTV BOXES

PROJECT
PIDS CCTV SYSTEM
REPLACEMENT PROJECT

DRAWING TITLE
PIDS CCTV SYSTEM
REPLACEMENT PROJECT
FIBER OPTIC CABLE
DISTRIBUTION

DATE	2024
DESIGNED BY	DESIGNED BY
CHECKED BY	CHECKED BY
APPROVED BY	APPROVED BY
DATE	2024

05-008-RR-02

