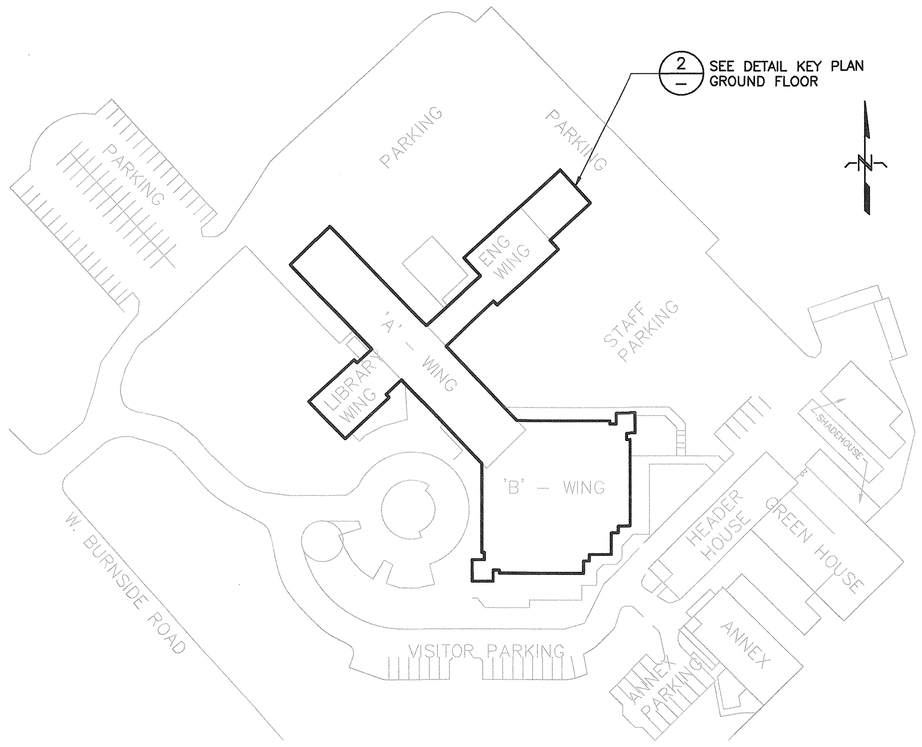
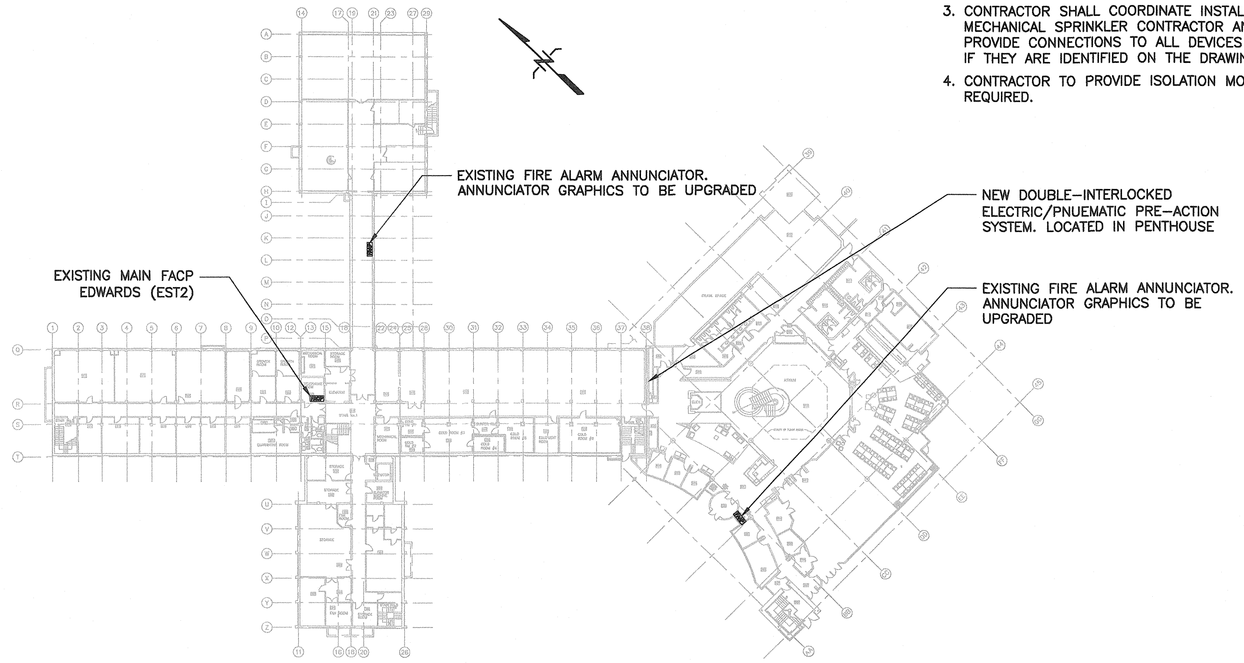


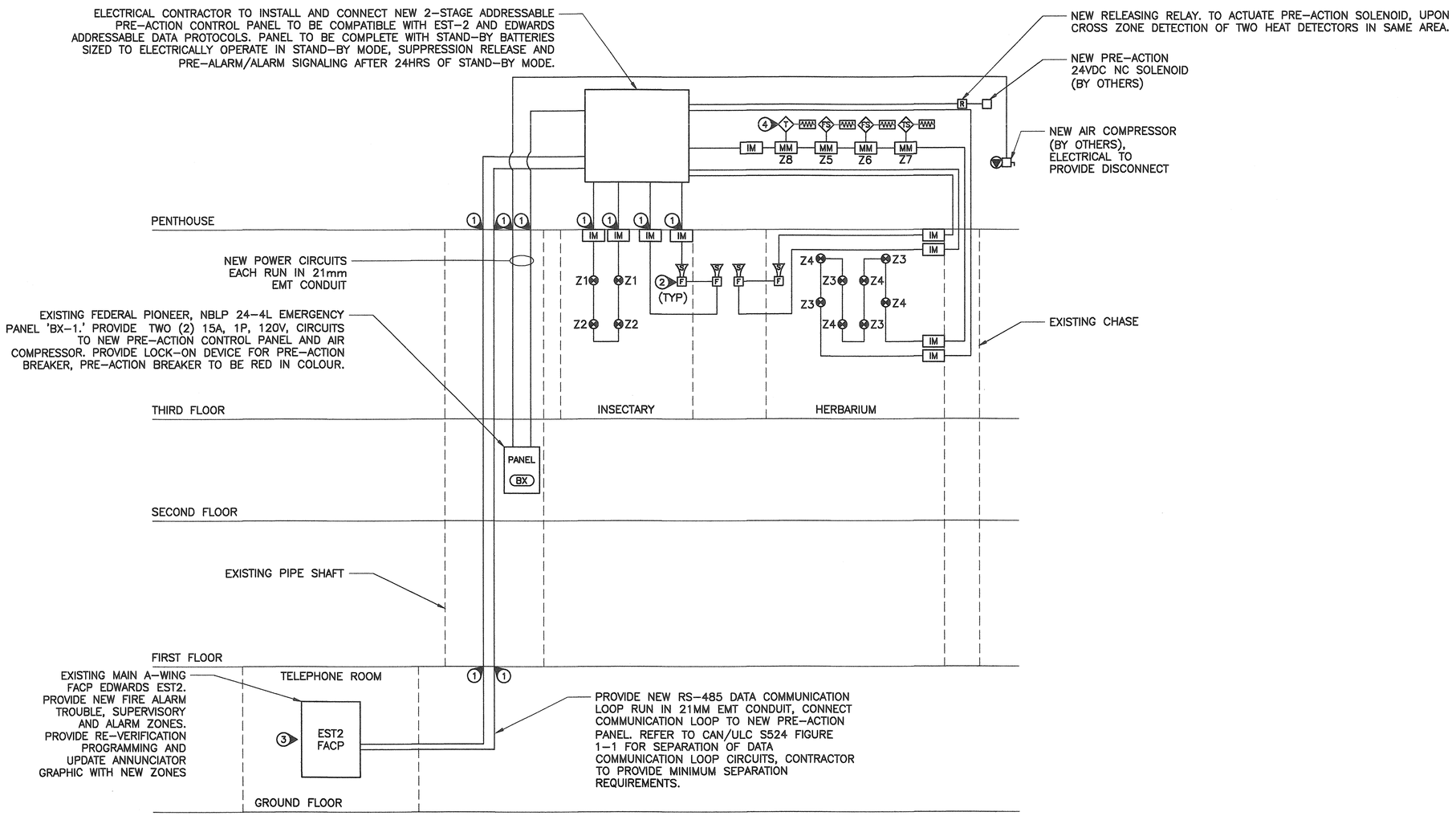
1 SITE PLAN
N.T.S.



2 KEY PLAN GROUND FLOOR (SEE NOTE 1)
N.T.S.

GENERAL NOTES:

1. EQUIPMENT LOCATIONS ARE APPROXIMATE. REFER TO INDIVIDUAL FLOOR LAYOUTS FOR EXACT LOCATIONS.
2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH CAN/ULC S524 AND VERIFIED IN ACCORDANCE WITH CAN/ULC S537.
3. CONTRACTOR SHALL COORDINATE INSTALLATION WITH MECHANICAL SPRINKLER CONTRACTOR AND SHALL PROVIDE CONNECTIONS TO ALL DEVICES REGARDLESS IF THEY ARE IDENTIFIED ON THE DRAWINGS.
4. CONTRACTOR TO PROVIDE ISOLATION MODULES AS REQUIRED.



3 RISER DIAGRAM
N.T.S.

DRAWING LIST

E–01	ELECTRICAL SITE PLAN, KEYPLAN, RISER DIAGRAM AND LEGEND
E–02	ELECTRICAL GROUND FLOOR PLAN
E–03	ELECTRICAL SECOND FLOOR PLAN
E–04	ELECTRICAL THIRD FLOOR PLAN
E–05	ELECTRICAL PENTHOUSE FLOOR PLAN

KEYNOTES:

1. PROVIDE X–RAY AND CORE FLOOR TO ACCOMMODATE NEW FEEDERS, CONTROL CIRCUITS AND CONDUIT AS NOTED ON DRAWINGS.
2. HORNSTROBES TO PROVIDE AUDIBLE ONLY PRE–ALARM SIGNAL UPON DETECTION OF SINGLE Z1, Z2, Z3 OR Z4 HEAT DETECTOR OR ALARM PRESSURE SWITCH. PRE–ALARM TO BE EITHER 20BPS OR CONTINUOUS SUCH THAT IS DISTINCTLY DIFFERENT FROM TEMPORAL BASE BUILDING EVACUATION ALARM.
3. GENERAL EVACUATION ALARM TO ACTIVATE UPON CROSS ZONED DETECTION OF Z1, Z2, Z3, Z4 HEAT DETECTORS AND ALARM PRESSURE SWITCH.
4. PROVIDE TEMPERATURE APPROACHING FREEZING SUPERVISORY SIGNAL IN DRY PIPE VALVE ENCLOSURE TO MEET REQUIREMENTS OF B.C.B.C. 3.2.4.10.(3)(g) AND CAN/ULC–S524, 5.3.8. MINIMUM TEMPERATURE SETTING IS 4°C.

PRE–ACTION ZONE SCHEDULE

ZONE	DESCRIPTION	ALARM TYPE
Z1	INSECTARY HEAT DETECTORS	PRE–ALARM/ALARM
Z2	INSECTARY HEAT DETECTORS	PRE–ALARM/ALARM
Z3	HERBARIUM HEAT DETECTORS	PRE–ALARM/ALARM
Z4	HERBARIUM HEAT DETECTORS	PRE–ALARM/ALARM
Z5	ALARM PRESSURE SWITCH	PRE–ALARM/ALARM
Z6	AIR PRESSURE SUPERVISORY SWITCH	SUPERVISORY
Z7	TAMPER SWITCH	SUPERVISORY
Z8	TEMPERATURE SWITCH	SUPERVISORY

LEGEND
NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS

SYMBOL	DESCRIPTION
EOL	END OF LINE RESISTOR
F	FIRE ALARM MANUAL PULL STATION
H	HEAT DETECTOR – RATE OF RISE
H	HEAT DETECTOR – FIXED TEMP
F	FIRE ALARM HORN AND STROBE
R	FIRE ALARM RELAY
MM	MONITOR MODULE
IM	ISOLATION MODULE
P	AIR PRESSURE SWITCH
T	FIRE ALARM TAMPER SWITCH
T	FIRE ALARM TEMPERATURE SWITCH
	POWER PANEL BOARD – SURFACE MOUNT
	PRE–ACTION SYSTEM PANEL
	DISCONNECT SWITCH
	MECHANICAL CONNECTION
	RECEPTACLE
	CONDUIT DOWN
	CONDUIT UP
RE	RELOCATED EXISTING DEVICE
	EXISTING FLUORESCENT LUMINAIRE

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15/07/23

Revision/ Revision	Description/Description	Date/Date
5		
4		
3	RE-ISSUED FOR TENDER	15/07/23
2	ISSUED FOR TENDER	14/03/31
1	ISSUED FOR 99% REVIEW	14/01/31
0	ISSUED FOR 50% REVIEW	13/11/29

Client/client

NATURAL RESOURCES CANADA
PACIFIC FORESTRY CENTRE

506 West Burnside Road
Victoria B.C.

Project title/Titre du projet
Victoria B.C.
506 West Burnside Rd
NRCAN Pacific Forestry Centre

FIRE SUPPRESSION SYSTEM UPGRADE FOR THE HERBARIUM & INSECTARY ROOMS

Consultant Approval Box Only

Designed by/Concept par
NM

Drawn by/Dessiné par
PP

PWGSC Project Manager/Administrateur de Projets TPSGC
STEVE WINDL / JIMMY WONG

PWGSC Regional Manager, Architectural and Engineering Services/ Gestionnaire régional, Services d'architecture et de génie, TPSGC
PREETIPAL PAUL

Drawing title/Titre du dessin

ELECTRICAL
SITE PLAN, KEY PLAN, LEGEND, DRAWING LIST AND RISER DIAGRAM

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.062840.001	E-01 OF 05	3

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Plot Date: July 24, 2015 2:44 PM Plotted by:Pomeroy, Paolo
File Name: \\SKDDSDATA02\VICTS$\PROJECTS\R\31-24185-00 PWGSC PFC FIRE SUPPRESSION SYSTEMS UPGRADE\DWG\ELEC\PRODUCTION\E-01 SITE PLAN, KEYPLAN AND LEGEND.DWG

PWGSC – 81 – 1002x707