

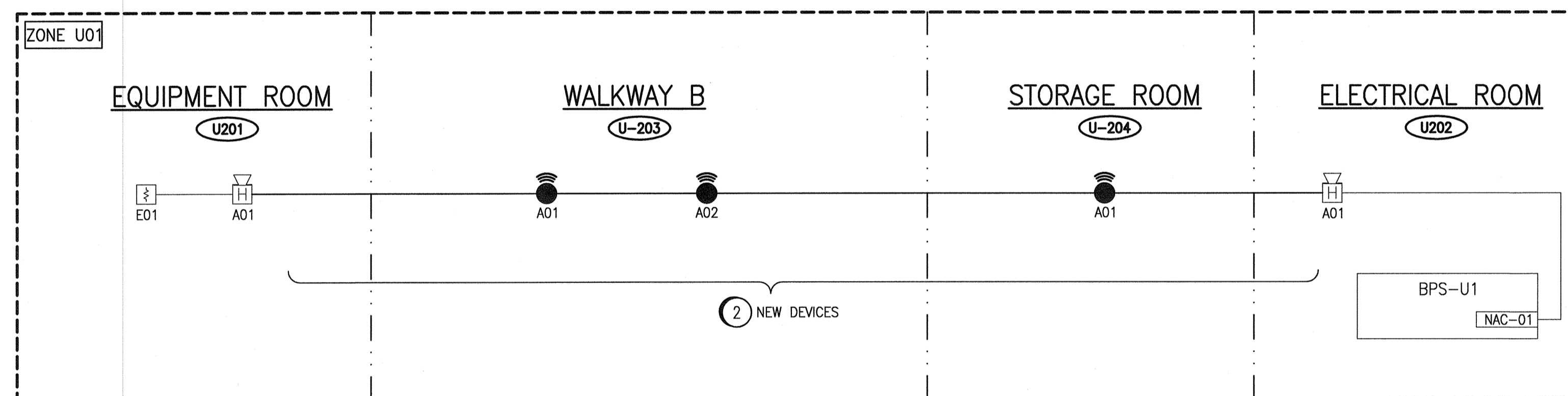
DETECTION RISER DIAGRAM
SCALE: NTS

GENERAL NOTES:

1. DEVICE TAGS ARE SHOWN IN SHORTHAND NOTATION. FULL DEVICE TAG FORMAT IS FAS-U-xxx-yyy, WHERE xxx IS THE ROOM NUMBER, AND yyy IS THE DEVICE IDENTIFIER. REFER TO DRAWING 1-0102-EFAS-A001.
2. ALL REQUIRED HAZARDOUS CONDUIT SEALS ARE NOT NECESSARILY SHOWN. INSTALL AS PER CEC REQUIREMENTS.
3. UTILIZE A MINIMUM WIRE SIZE FOR NAC CIRCUITS OF 12 AWG, OR LARGER AS REQUIRED.
4. THIS DRAWING SUPERSEDES DRAWING 1-0102U-E0002.

SPECIFIC NOTES:

1. ADD NEW DETECTION AND FIRE ALARM DEVICES TO THE END OF EXISTING DETECTION CIRCUIT AS SHOWN. PROVIDE NEW CABLING AND CONDUIT AS REQUIRED.
2. ADD NEW NOTIFICATION DEVICES TO THE EXISTING CIRCUIT AS SHOWN. PROVIDE NEW CABLING AND CONDUIT AS REQUIRED.
3. PROVIDE NEW 2C, 16AWG, FAS90 CABLE RUN IN 27mm RIGID ALUMINUM CONDUIT. RUN NEW CABLING/CONDUIT FROM EXISTING FIRE ALARM JB LOCATED IN SEC. CLARIFIER 3 GALLERY 3 TO THE U.V. BUILDING ELECTRICAL ROOM VIA SECONDARY CLARIFIER 4 & 5 PUMP ROOM S-B44, ELECTRICAL ROOM S-145, WALKWAY A S-144, WALKWAY B U-203, AND U.V. STORAGE ROOM U-204.
4. REFER TO DWG. EFAS-S001 FOR LOCATION OF FIRE ALARM JB.
5. REMOVE EXISTING FIRE ALARM SURGE ARRESTORS AS THESE ARE NO LONGER REQUIRED.
6. PROVIDE CO DETECTOR, COMPLETE WITH SOUNDING BASE, TEMPORAL SOUND GENERATOR, AND END-OF-LINE RELAY SUPERVISION EQUIPMENT. PROVIDE SEPARATE 24 VDC ULC LISTED / APPROVED POWER SUPPLY TO EQUIPMENT. POWER SUPPLY TO BE LOCATED ADJACENT TO OR PART OF THE NOTIFICATION CIRCUIT POWER SUPPLY IN U.V. ELECTRICAL ROOM U202. PROVIDE WIRING RUN IN CONDUIT.



NOTIFICATION RISER DIAGRAM
SCALE: NTS

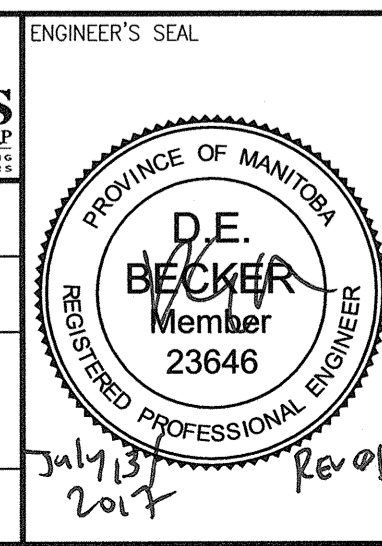
ZONE DESCRIPTION	
ZONE	DESCRIPTION
U01	UV DISINFECTION BUILDING
U02	UV BUILDING WALKWAY B, U-203 CARBON MONOXIDE DETECTOR (SUPERVISORY)

REFERENCE DRAWINGS	DESCRIPTION
1-0102-EFAS-S003	FIRE ALARM, SECONDARY CLARIFIERS 4 & 5, RISER DIAGRAM, DETECTION CIRCUITS
1-0102-EFAS-A003	FIRE ALARM, NOTIFICATION AND DETECTION CIRCUIT
1-0102-EFAS-A001	FIRE ALARM UPGRADES, LEGENDS AND DETAILS



NO.	REVISIONS	DATE	DESIGN	CHECK
01	ISSUED FOR ADDENDUM 5 - 976-2016	2017/07/14	DEB	DEB
00	ISSUED FOR CONSTRUCTION - 976-2016	2017/04/05	WE	DEB

CH2MHILL		KGS GROUP	
DESIGNED BY: V. ELIMBAN	CHECKED BY: E. RYCZKOWSKI	ENGINEER'S SEAL	
DRAWN BY: M.J. PERSSON	APPROVED BY: D. BECKER		
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: J. SHUMKA		
DATE: 2016/02/02		DATE: 2017/04/05	
CONSULTANT NO.: 474248			



SOUTH END WATER POLLUTION CONTROL CENTRE SEWPCC UPGRADING/EXPANSION PROJECT ELECTRICAL - FIRE ALARM UV DISINFECTION BUILDING NOTIFICATION AND DETECTION RISER DIAGRAM		
CITY DRAWING NUMBER 1-0102-EFAS-U002	SHEET 001	REV. SIZE 01 A1