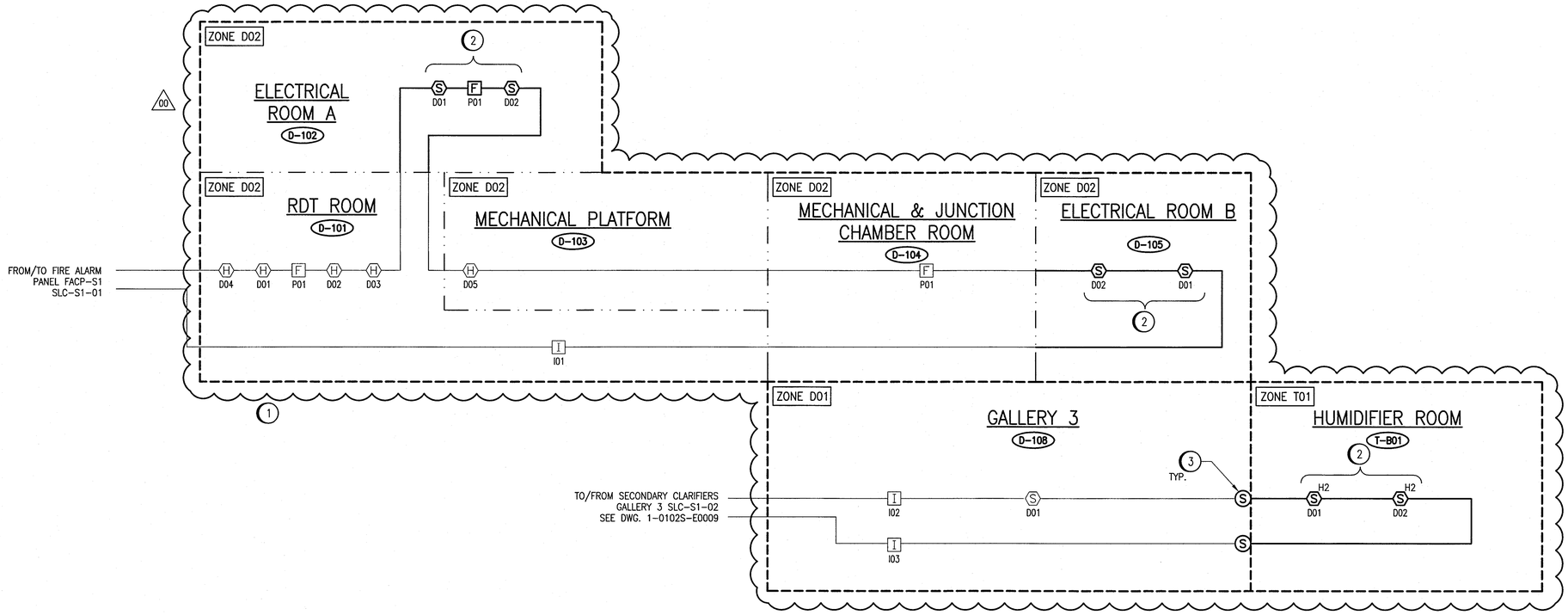
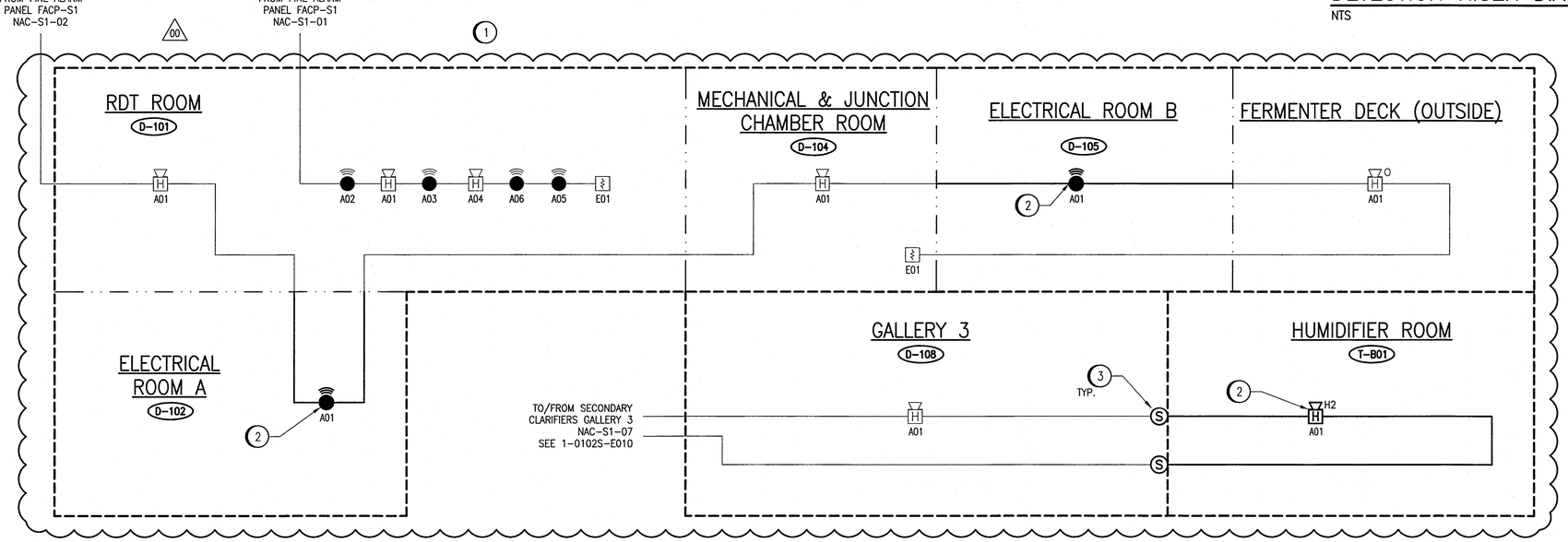


DETECTION RISER DIAGRAM

NTS



NOTIFICATION RISER DIAGRAM

NTS

SPECIFIC NOTES:

1. THE EXISTING FIRE ALARM SYSTEM FOR THE OXYGEN REACTORS IS TO BE MODIFIED, EXPANDED AND RE-USED. THE AREA IS TO BE RE-NAMED / RE-TAGED AS THE FERMENTERS/THICKENERS AND BIOFILTER AREAS. ADD ADDITIONAL DEVICES IN ACCORDANCE WITH THE DRAWINGS. MODIFY ALL FIRE ALARM DEVICE IDENTIFIERS IN AREA TO REPRESENT NEW FACILITY CODE AND ROOM NUMBERS. REMOVE AND REPLACE LAMACOID NAMEPLATES FOR ALL DEVICES. REFER TO EFAS-D001.
2. PROVIDE NEW FIRE ALARM DEVICES. PROVIDE NEW WIRING IN CONDUIT.
3. INSTALL HAZARDOUS CONDUIT SEAL WHERE CONDUIT ENTERS AND LEAVES THE HAZARDOUS AREA.

ZONE DESCRIPTION

ZONE	DESCRIPTION
D01	FERMENTER LOWER LEVEL
D02	FERMENTER GROUND FLOOR AND PLATFORM
T01	BIOFILTER BASEMENT

GENERAL NOTES:

1. DEVICE TAGS ARE SHOWN IN SHORTHAND NOTATION. FULL DEVICE TAG FORMAT IS FAS-D-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. ALL DEVICE ARE CONNECTED TO FIRE ALARM PANEL FACP-S1 LOCATED IN ELECTRICAL ROOM S108 IN THE SECONDARY CLARIFIER AREA. SEE DWG. 1-0102-EGAD-S001.
4. THIS DRAWING SUPERSEDES DRAWING 1-0102R-E0004.
5. CLOUDED PORTIONS INDICATE NEW WORK / MODIFICATIONS TO EXISTING EQUIPMENT, EXCEPT AS NOTED. ALL CLOUDED PORTIONS ARE NEW AND ARE TO BE PROVIDED BY THE CONTRACTOR.

REFERENCE DRAWINGS	DESCRIPTION
1-0102-EFAS-D001	FIRE ALARM LAYOUT
1-0102-EFAS-A003	FIRE ALARM, NOTIFICATION AND DETECTION CIRCUIT
1-0102-EFAS-A001	FIRE ALARM UPGRADES, LEGEND AND DETAILS

APEGM Certificate of Authorization
SNC-Lavalin Inc.
No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CONSTRUCTION - 976-2016	2017/04/05	WE	DEB

CH2MHILL. SNC·LAVALIN KGS GROUP

DESIGNED BY: V. ELIMBAN	CHECKED BY: E. RYCZKOWSKI
DRAWN BY: MJ. PERSSON	APPROVED BY: D. BECKER
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2016/06/16	DATE: 2017/04/05
CONSULTANT NO.: 474248	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.E. BECKER
Member
23646
REGISTERED PROFESSIONAL ENGINEER
April 5/2017

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
ELECTRICAL - FIRE ALARM
FERMENTERS/THICKENERS AND BIOFILTER
RISER DIAGRAM, DETECTION AND NOTIFICATION CIRCUITS

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-EFAS-D002	001	00	A1

PLOT DATE: Mar 28, 2017 - 3:36pm
FILE NAME: 1-0102-EFAS-D002.dwg

A1 SIZE - 594mm x 841mm

LAST SAVE: 2017/03/28 - 3:36pm
PATH: M:\614099\ENG\4TELE\DD - General DWG\REV\2017-04-05 Issued for Construction - 976-2016\D. Fermenters-thickeners\DWG\1-0102-EFAS-D002.dwg