

RELAYS REQUIRED	
AREA	RELAY COUNT
BOILERS	96
CENTRATE	384
DIGESTERS	288
GRIT	192
MAIN	96
PRIMARY CLARIFIERS	160
REACTORS	160
SECONDARY CLARIFIERS	448
UV	288
DEWATERING	480

TYPICAL 120VAC SIGNAL TAG
 SIGNAL DESCRIPTION
 SEE DRAWING XXX (INTEGRATOR NOTE 1)

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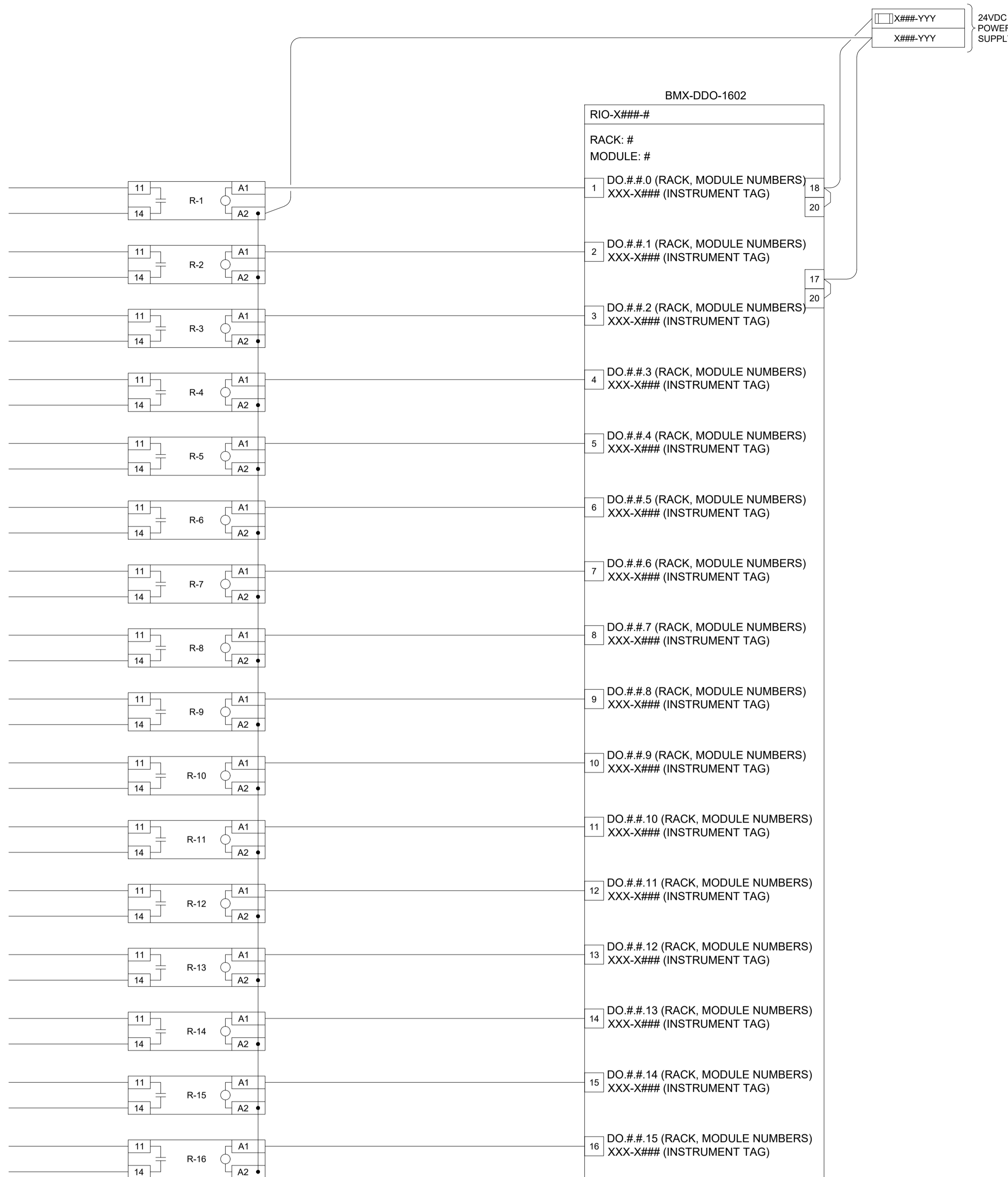
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 SIGNAL DESCRIPTION
 SEE DRAWING XXX (INTEGRATOR NOTE 1)

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NOTES:

1. THIS DESIGN IS BASED ON 120VAC INTERFACE RELAYS TO FIELD DO SIGNALS. FOR 24VDC DO SIGNALS, REFER TO DRAWING 1-0101-AWDG-A005.

INTEGRATOR NOTES:

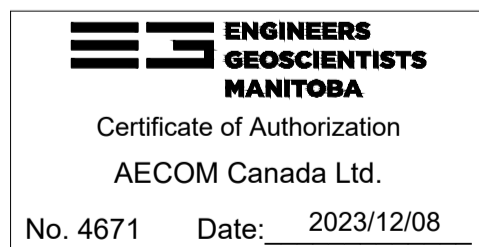
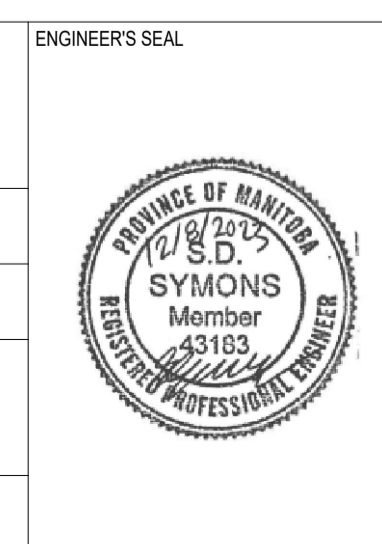
1. SEE SPECIFICATION 40 90 00 FOR SCOPE. INTEGRATOR TO PRODUCE DETAILED DRAWINGS FOR EACH INSTALLED IO MODULE WITH EQUIPMENT NUMBERS, TERMINAL NUMBERS, AND DRAWING REFERENCES TO DETAILED LOOP DRAWINGS. DRAFT COPIES TO BE PRODUCED AT SHOP DRAWING STAGE FOR WIRING REFERENCES TO CONTRACTOR.

CONTRACTOR NOTES:

1. SEE SPECIFICATION 26 05 10 FOR SCOPE.

NO.	DRAWING TITLE	DRAWING NUMBER	NO.	REVISIONS	DATE	DESIGN	CHECK
2	ISSUED FOR GC TENDER				2024-01-08	KG	SDS
1	ISSUED FOR ADDENDUM #2				2023-04-17	KG	SDS
0	ISSUED FOR TENDER				2022-03-17	KG	SDS
	REFERENCE DRAWING						

AECOM	
DESIGNED BY: KG	CHECKED BY: SDS
DRAWN BY: RC	APPROVED BY: SB
SCALE: NTS	RELEASED FOR CONSTRUCTION BY:
DATE: 2024-01-08	DATE:
CONSULTANT NO.:	



THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

NORTH END SEWAGE TREATMENT PLANT
 DCS MIGRATION

TYPICAL IO MODULE WIRING DIAGRAM
 DISCRETE OUTPUT - 120VAC

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0101-AWDG-A005	002	A0	A1