

**PART E**  
**SPECIFICATIONS**

**PART E - SPECIFICATIONS****GENERAL****E1. APPLICABLE SPECIFICATIONS, STANDARD DETAILS AND DRAWINGS**

- E1.1 *The City of Winnipeg Standard Construction Specifications* in its entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.
- E1.1.1 Division 2 – General Requirements of The City of Winnipeg Standard Construction Specifications shall apply to the Work.
- E1.1.2 Further to GC:2.4(d), Specifications included in the Tender Package shall govern over The City of Winnipeg Works and Operations Division Standard Construction Specifications.
- E1.2 The City of Winnipeg Standard Construction Specifications and the General Requirements are available in Adobe Acrobat (.PDF) format at the City of Winnipeg, Corporate Finance, Materials Management internet site <http://www.city.winnipeg.mb.ca/matmgt/info.stm>.
- E1.3 The Specifications that follow are applicable to the work.
- E1.4 The following Drawings are applicable to the Work:

<b>DRAWING FILE</b>	<b>DRAWING TITLE</b>	<b>CITY NUMBER</b>	<b>Sheet</b>	<b>of Sheets</b>
<b><u>GENERAL</u></b>				
G01	GENERAL - COVER SHEET AND LOCATION PLAN	D-8382	1	3
G02	GENERAL - DRAWING INDEX	D-8383	2	3
U01	GENERAL - UV INSTALLATION SITE PLAN	D-8384	3	3
<b><u>DEMOLITION</u></b>				
D01	MECHANICAL - HVAC UPGRADE DEMOLITION PLANS	D-8385	1	3
D02	PROCESS - UV INSTALLATION OVERALL DEMOLITION LAYOUT	D-8386	2	3
D03	STRUCTURAL - HVAC UPGRADE DEMOLITION PLANS	D-8387	3	3
<b><u>STRUCTURAL</u></b>				
S01	STRUCTURAL - UV INSTALLATION OVERALL PLAN	D-8388	1	10
S02	STRUCTURAL - UV INSTALLATION PIPE SUPPORT DETAILS	D-8389	2	10
S03	STRUCTURAL - UV INSTALLATION MONORAIL BEAM AND PLATFORM PLAN AND SECTION	D-8390	3	10
S04	STRUCTURAL - UV INSTALLATION MONORAIL BEAM AND PLATFORM DETAILS	D-8391	4	10
S05	STRUCTURAL - UV INSTALLATION PLATFORM AND SHIP LADDER DETAILS	D-8392	5	10
S06	STRUCTURAL - UV INSTALLATION PLATFORM AND SHIP LADDER DETAILS	D-8393	6	10
S07	STRUCTURAL - UV INSTALLATION PLATFORM AND SHIP LADDER DETAILS	D-8394	7	10
S20	STRUCTURAL - HVAC UPGRADE PARTIAL PLANS	D-8395	8	10
S21	STRUCTURAL - HVAC UPGRADE BUILDING SECTIONS	D-8396	9	10
S22	STRUCTURAL - HVAC UPGRADE DETAILS	D-8397	10	10

<b>DRAWING FILE</b>	<b>DRAWING TITLE</b>	<b>CITY NUMBER</b>	<b>Sheet</b>	<b>of Sheets</b>
	<b><u>PROCESS</u></b>			
P01	PROCESS - UV INSTALLATION PROCESS FLOW DIAGRAM	D-8398	1	21
P02	PROCESS - UV INSTALLATION PROCESS AND INSTRUMENTATION BRANCH I	D-8399	2	21
P03	PROCESS - UV INSTALLATION PROCESS AND INSTRUMENTATION BRANCH I - UV REACTOR 1100	D-8400	3	21
P04	PROCESS - UV INSTALLATION PROCESS AND INSTRUMENTATION BRANCH I - UV REACTOR 1200	D-8401	4	21
P05	PROCESS - UV INSTALLATION PROCESS AND INSTRUMENTATION BRANCH II	D-8402	5	21
P06	PROCESS - UV INSTALLATION PROCESS AND INSTRUMENTATION BRANCH II - UV REACTOR 2100	D-8403	6	21
P07	PROCESS - UV INSTALLATION PROCESS AND INSTRUMENTATION BRANCH II - UV REACTOR 2200	D-8404	7	21
P08	PROCESS - UV INSTALLATION PROCESS AND INSTRUMENTATION BRANCH II - UV REACTOR 2300	D-8405	8	21
P09	PROCESS - UV INSTALLATION PROCESS AND INSTRUMENTATION BRANCH II - UV REACTOR 2400	D-8406	9	21
P10	PROCESS - HVAC AND ELECTRICAL UPGRADE PROCESS AND INSTRUMENTATION AIR HANDLING UNITS AND TRANSFORMERS	D-8407	10	21
P21	PROCESS - UV INSTALLATION OVERALL PIPING LAYOUT ABOVE ELEVATION 227.000	D-8408	11	21
P22	PROCESS - UV INSTALLATION MAIN PIPING HEADER SECTION BRANCH I	D-8409	12	21
P23	PROCESS - UV INSTALLATION PIPING SECTIONS AND ELEVATIONS BRANCH I	D-8410	13	21
P24	PROCESS - UV INSTALLATION PIPING SECTIONS AND ELEVATIONS BRANCH I	D-8411	14	21
P25	PROCESS - UV INSTALLATION PIPING SECTIONS AND ELEVATIONS BRANCH I	D-8412	15	21
P26	PROCESS - UV INSTALLATION PIPING SECTIONS AND ELEVATIONS BRANCH I	D-8413	16	21
P27	PROCESS - UV INSTALLATION PIPING SECTIONS AND ELEVATIONS BRANCH I	D-8414	17	21
P28	PROCESS - UV INSTALLATION PIPING SECTIONS AND ELEVATIONS BRANCH II, LEG 1	D-8415	18	21
P29	PROCESS - UV INSTALLATION PIPING SECTIONS AND ELEVATIONS BRANCH II, LEG 1	D-8416	19	21
P30	PROCESS - UV INSTALLATION PIPING SECTIONS AND ELEVATIONS BRANCH II, LEG 2	D-8417	20	21
P31	PROCESS - UV INSTALLATION PIPING DETAILS	D-8418	21	21
	<b><u>MECHANICAL</u></b>			
M01	MECHANICAL - HVAC UPGRADE LEGENDS AND ABBREVIATIONS	D-8419	1	7
M02	MECHANICAL - HVAC UPGRADE ROOF PLAN ABOVE EL. 236.500m	D-8420	2	7
M03	MECHANICAL - HVAC UPGRADE PLAN ABOVE EL. 232.450m	D-8421	3	7
M04	MECHANICAL - HVAC UPGRADE PLAN ABOVE EL. 227.000m	D-8422	4	7
M05	MECHANICAL - HVAC UPGRADE BUILDING SECTIONS	D-8423	5	7

<b>DRAWING FILE</b>	<b>DRAWING TITLE</b>	<b>CITY NUMBER</b>	<b>Sheet</b>	<b>of Sheets</b>
M06	MECHANICAL - HVAC UPGRADE DETAILS SHEET 1 OF 2	D-8424	6	7
M07	MECHANICAL - HVAC UPGRADE DETAILS SHEET 2 OF 2	D-8425	7	7
<b><u>INSTRUMENTATION</u></b>				
I01	INSTRUMENTATION - UV INSTALLATION INSTRUMENTATION SYMBOLS AND IDENTIFICATION	D-8426	1	4
I02	INSTRUMENTATION - UV INSTALLATION INSTRUMENT LOCATION PLAN PLAN ABOVE 227.000m	D-8427	2	4
I03	INSTRUMENTATION - UV INSTALLATION AND HVAC UPGRADE INSTRUMENT LOCATION PLAN PLAN ABOVE 230.800m	D-8428	3	4
I04	INSTRUMENTATION - UV INSTALLATION MODIFICATIONS CONTROL SYSTEM ARCHITECTURE	D-8429	4	4
<b><u>ELECTRICAL</u></b>				
E01	ELECTRICAL - UV INSTALLATION DISTRIBUTION SINGLE LINE DIAGRAM	D-8430	1	7
E02	ELECTRICAL - UV INSTALLATION DISTRIBUTION EQUIPMENT PLAN AND ELEVATION	D-8431	2	7
E03	ELECTRICAL - UV INSTALLATION PLAN ABOVE ELEVATION 227.000m	D-8432	3	7
E04	ELECTRICAL - HVAC UPGRADE PLAN ABOVE ELEVATION 230.800m	D-8433	4	7
E05	ELECTRICAL - UV INSTALLATION U.V. BLOCK DIAGRAM	D-8434	5	7
E06	UV INSTALLATION ELECTRICAL - DETAILS CABLE TRAY SECTIONS AND UV CONNECTION ARRANGEMENT	D-8435	6	7
E07	ELECTRICAL - UV INSTALLATION DETAILS TERMINATION CABINETS TC-1, TC-2 AND TC-3 ARRANGEMENT	D-8436	7	7