

Section Number	Section Title	No. of Pages
Division 01 - General Requirements		
00 01 10	Table of Contents	04
01 11 00	Summary of Work	03
01 14 00	Work Restrictions	02
01 31 19	Project Meetings	03
01 32 16	Construction Progress Schedule	03
01 33 00	Submittal Procedures	04
01 35 29	Health and Safety Requirements	03
01 35 43	Environmental Procedures	03
01 41 00	Regulatory Requirements	01
01 45 00	Quality Control	03
01 51 00	Temporary Utilities	03
01 52 00	Construction Facilities	04
01 56 00	Temporary Barriers and Enclosures	02
01 60 00	Common Product Requirements	04
01 71 00	Examination and Preparation	02
01 73 00	Execution	02
01 74 11	Cleaning	02
01 74 21	Waste Management and Disposal	03
01 77 00	Closeout Procedures	02
01 78 00	Closeout Submittals	08
01 79 00	Demonstration and Training	02
01 91 13	General Commissioning Requirements	09
Division 02 – Existing Conditions		
02 41 13	Selective Site Demolition	05
Division 03 – Concrete		
03 10 00	Concrete Forming and Accessories	03
03 20 00	Concrete Reinforcing	04
03 33 00	Cast-In-Place Concrete	07
Division 05 – Metals		
05 55 00	Metal Fabrications	04
Division 13 – Special Construction		
13 34 13	Greenhouse Structure and Specialties	20
13 34 14	Greenhouse Computer Control System	22
Division 22 – Plumbing		
22 05 00	Common Work Results for Plumbing	03
22 11 16	Domestic Water Piping	05
22 13 18	Drainage Waste and Vent Piping – Plastic	02
22 42 01	Plumbing Specialties and Accessories	05
22 45 00	Emergency Plumbing Fixtures	04

Division 23 – Heating, Ventilation and Air Conditioning (HVAC)		
23 05 05	Installation of Pipework	05
23 05 29	Hangers and Supports	07
23 05 53	Mechanical Identification	06
23 05 93	Testing Adjusting and Balancing for HVAC	05
23 07 15	Thermal Insulation for Piping	07
23 34 13	Greenhouse Mechanical	08
Division 26 – Electrical		
26 05 01	Common Work Results – Electrical	08
26 05 02	Mechanical Equipment Connections	03
26 05 20	Wire and Box Connectors (0-1000 V)	01
26 05 21	Wires and Cables (1-1000 V)	03
26 05 31	Splitters, Junction, Pull Boxes and Cabinets	02
26 05 32	Outlet Boxes, Conduit Boxes and Fittings	02
26 05 34	Conduit Fastenings and Conduit Fittings	04
26 05 80	Fractional Horsepower Motors	02
26 05 81	Motors 1 to 200 HPKW to 149KW to 600 V	03
26 07 00	Wiring for Other Trades	02
26 12 17	Dry Type Transformers up to 600V Primary	02
26 24 17	Panelboards Breaker Type	03
26 27 16	Electrical Cabinets and Enclosures	02
26 27 26	Wiring Devices	03
26 28 23	Disconnect Switches – Fused and Non-Fused	01
26 29 01	Contactors	02
26 29 03	Control Devices	02
26 29 10	Motor Starters to 600 V	03
26 29 23	Variable Speed Drives	07
26 34 13	Greenhouse Electrical	05
26 50 00	Lighting	04
26 53 00	Exit Signs	02
Division 28 – Electronic Safety and Security		
28 31 01	Fire Alarm System	05
Division 31 – Earthwork		
31 14 13	Soil Stripping and Stockpiling	02
31 22 13	Rough Grading	03
31 23 33	Excavating, Trenching and Backfilling	09
31 23 33.01	Excavating, Trenching and Backfilling (Civil Work)	07
31 32 19	Geotextiles	03
31 37 00	Rip Rap	01
31 61 13	Pile Foundations General Requirements	03
31 62 19	Timber Piles	04
32 11 16	Granular Sub-base	03
32 11 23	Aggregate Base Course	02
32 12 16	Asphalt Paving	13
32 91 19	Topsoil Placement and Grading	03
32 92 19	Mechanical Seeding	05

33 05 16	Manholes and Catch Basin Structures	02
33 41 00	Storm Utility Drains	02
33 42 13	Pipe Culverts	04
Appendices		
Appendix A	Geotechnical Survey and Utilities Capacity Study	65
Appendix B	City of Winnipeg Specifications	536
Appendix C	Commissioning Plan	95
Appendix D	Alternative Solution Report	13

Drawing No.	Drawing Title	Revision
Civil		
C01	Demolition Plan	0
C02	Surface and Drainage Plan	0
Architectural		
A00	Drawing List	0
A01	Main Floor Plan - Demolition	0
A02	Main Floor Plan – New Construction	0
A03	South East & West Elevations – New Construction	0
A04	Large Scale Compartment Plan – New Construction	0
Structural		
S01	Foundation Plan – New Construction	0
S02	Main Floor Framing Plan – New Construction	0
S03	Sections & Details	0
S04	Notes	0
Mechanical		
M01	Plumbing – Main Floor Plan	0
M02	Hydronic Piping – Main Floor Plan	0
M03	Section and Details	0
M04	Domestic Water Piping - Schematic	0
GHM-01	Greenhouse – Overhead Heating Plan	0
GHM-02	Greenhouse – Perimeter Heating Plan	0
Electrical		
E00	Site Plan	0
E01	Single Line Diagram	0
E02	Main Floor Plan – New Construction – Power Layout	0
E03	Main Floor Plan – New Construction – Lighting Layout	0
E04	Main Floor Plan – New Construction – System Layout	0
E05	Panel Schedule and Luminaire Schedule	0
E06	Fire Alarm Riser Diagram	0
GHE-01	Greenhouse – Electrical Panels Layout	0

GHE-02	Greenhouse – Line Voltage Plan	0
GHE-03	Greenhouse – Line Voltage Plan	0
GHE-04	Greenhouse – Low Voltage Plan	0
Greenhouse		
GH-01	Greenhouse – Floor Plan	0
GH-02	Greenhouse – Roof Plan	0
GH-03	Greenhouse - Elevations	0
GH-04	Greenhouse – Cross Section & Longitudinal Section	0
GH-05	Greenhouse – Plan Details	0
GH-06	Greenhouse – Plan Details	0
GH-07	Greenhouse – Internal Elevations	0
GH-08	Greenhouse – Benches Plan	0
GH-09	Greenhouse – Benches Details	0
GH-10	Greenhouse – Supplemental Lighting Plan	0
GH-11	Greenhouse – Light Canopy Details	0
GH-12	Greenhouse – Horizontal & Vertical Shade Plan	0
GH-13	Greenhouse – VAF Fans Plan	0
GH-14	Greenhouse – Ventilation Plan	0
GH-15	Greenhouse – Irrigation / DCW Plan	0
GH-16	Greenhouse – RO Water Supply to Evaporative Coolers Plan	0

END OF SECTION