

SECTION / TITLE	PAGES
00 00 01 Title Page	1
DIVISION 01 GENERAL REQUIREMENTS	
01 11 00 Summary of Work.....	3
01 14 00 Work Restrictions	2
01 21 00 Allowances.....	1
01 31 19 Project Meetings	3
01 32 15 Construction Progress Schedule – Bar (GANTT) Chart.....	3
01 33 00 Submittal Procedures	5
01 35 00.06 Special Procedures for Traffic Controls.....	3
01 35 29.06 Health and Safety Requirements.....	3
01 35 43 Environmental Procedures	5
01 41 00 Regulatory Requirements.....	1
01 45 00 Quality Control	3
01 51 00 Temporary Utilities.....	3
01 52 00 Construction Facilities	4
01 56 00 Temporary Barriers and Enclosures.....	2
01 61 00 Common Product Requirements	4
01 71 00 Examination and Preparation	2
01 73 00 Execution Requirements	2
01 74 11 Cleaning	2
01 74 21 Construction/Demolition Waste Management and Disposal	9
01 77 00 Closeout Procedures.....	2
01 78 00 Closeout Submittals	8
01 91 13 General Commissioning (CX) Requirements	10
01 91 31 Commissioning Plan	12
01 91 33 Commissioning Forms	3
01 91 41 Commissioning Training.....	3
DIVISION 02 SITE CONDITIONS	
02 41 13 Selective Site Demolition.....	8
02 41 13.14 Asphalt Paving Removal.....	1
02 41 16 Structure Demolition.....	8
DIVISION 03 CONCRETE	
03 10 00 Concrete Forming and Accessories.....	4

03 20 00	Concrete Reinforcing	4
03 30 00	Cast-in-Place Concrete.....	8
03 35 00	Concrete Finishing	3
31 63 23	Bored Concrete Piles.....	3

DIVISION 04 MASONRY

Not Used

DIVISION 05 METALS

05 12 23	Structural Steel for Buildings.....	6
05 21 00	Steel Joist Framing.....	4
05 31 00	Steel Decking.....	3
05 41 00	Structural Metal Stud Framing.....	5
05 50 00	Metal Fabrications	5
05 51 29	Metal Stairs and Ladders.....	4

DIVISION 06 WOOD AND PLASTICS

06 10 00	Rough Carpentry	5
06 40 00	Architectural Woodwork.....	8

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 11 13	Bituminous Dampproofing	4
07 21 13	Board Insulation.....	4
07 21 16	Blanket Insulation	3
07 21 19	Foamed-in-Place Insulation	2
07 27 10	Air Barriers	5
07 42 43	Composite Wall Panels	6
07 46 13	Preformed Metal Cladding.....	4
07 52 00	Modified Bituminous Roofing	10
07 62 00	Sheet Metal Flashing and Trim.....	6
07 84 00	Fire Stopping.....	5
07 92 00	Joint Sealing.....	7
07 95 13	Expansion Joint Cover Assemblies.....	5
07 95 23	Manufactured Roof and Wall Expansion Joints.....	3

DIVISION 08 DOORS AND WINDOWS

08 11 00	Metal Doors and Frames	8
08 36 12	Sectional Metal Doors.....	6
08 50 00	Aluminum Windows.....	4
08 71 00	Door Hardware.....	13

08 80 50 Glazing.....6

DIVISION 09 FINISHES

09 21 16 Gypsum Board Assemblies.....8
09 22 14 Furring and Lathing4
09 22 16 Non-structural Metal Framing3
09 65 16 Resilient Sheet Flooring.....5
09 91 23 Interior Painting14
09 97 19 Painting Exterior Metal Surfaces7

DIVISION 10 SPECIALTIES

10 14 10 Building Panel Signage.....7
10 14 53 Traffic Signage.....5
10 14 54 Fabrication and Delivery of Traffic Signal Supports.....8
10 14 55 Traffic Signal Standards.....7
10 26 10 Wall and Corner Guards2
10 44 20 Fire Extinguishers2
10 51 13 Metal Lockers and Benches2

DIVISION 11 EQUIPMENT

11 13 13 Loading Dock Bumpers2
11 13 16 Dock Seals and Shelters.....2
11 13 20 Loading Dock Levellers.....5
11 13 22 Loading Dock Lift.....5

DIVISION 12 FURNISHINGS

12 21 14 Roller Shade Blinds2

DIVISION 13 SPECIAL CONSTRUCTION

13 34 23 Prefabricated Buildings.....10

DIVISION 21 FIRE SUPPRESSION

21 05 01 Common Work Results for Mechanical.....5
21 05 05 Common Work Results for Fire Suppression5
21 13 13 Wet Pipe Sprinkler Systems.....10
21 13 16 Dry Sprinkler Systems6

DIVISION 22 PLUMBING

22 05 00	Common Work Results for Plumbing.....	5
22 11 16	Domestic Water Piping.....	7
22 13 17	Drainage Waste and Vent Piping - Cast Iron and Copper.....	3
22 13 18	Drainage Waste and Vent Piping - Plastic.....	3
22 42 01	Plumbing Specialties and Accessories.....	8

DIVISION 23 HEATING, VENTILATING AND AIR CONDITIONING (HVAC)

23 05 00	Common Work Results for HVAC.....	5
23 05 01	Use of HVAC Systems During Construction.....	2
23 05 05	Installation of Pipework.....	6
23 05 13	Common Motor Requirements for HVAC Equipment.....	4
23 05 17	Pipe Welding.....	4
23 05 19.01	Thermometers and Pressure Gauges – Piping Systems.....	4
23 05 23.01	Valves - Bronze.....	5
23 05 23.04	Valves – Lubricated Plug.....	5
23 05 29	Hangers and Supports for HVAC Piping and Equipment.....	8
23 05 48	Vibration and Seismic Controls for HVAC Piping and Equipment.....	6
23 05 53.01	Mechanical Identifications.....	5
23 05 93	Testing, Adjusting and Balancing for HVAC.....	6
23 07 13	Duct Insulation.....	6
23 07 15	Thermal Insulation for Piping.....	9
23 08 01	Performance Verification Mechanical Piping Systems.....	2
23 11 23	Facility Natural Gas Piping.....	4
23 21 13.02	Hydronic Systems: Steel.....	6
23 21 14	Hydronic Specialties.....	3
23 23 00	Copper Tubing and Fittings.....	5
23 31 13.01	Metal Ducts - Low Pressure to 500 Pa.....	6
23 33 00	Air Duct Accessories.....	4
23 33 14	Dampers - Balancing.....	3
23 33 16	Dampers - Fire and Smoke.....	4
23 33 53	Duct Liners.....	5
23 34 00	HVAC Fans.....	5
23 37 13	Diffusers, Registers and Grilles.....	3
23 37 20	Louvres, Intakes and Vents.....	4
23 44 00	HVAC Air Filtration.....	4
23 72 00	Air-to-Air Energy Recovery Equipment.....	3
23 73 11	Air Handling Units - Packaged.....	5
23 74 00	Packaged Outdoor HVAC Equipment.....	7

23 81 23	Computer Room Air Conditioning.....	8
23 82 39	Unit Heaters	5

DIVISION 25 INTEGRATED AUTOMATION

250111	EMCS: Start-up, Verification and Commissioning.....	5
250112	EMCS: Training.....	3
250501	EMCS: General Requirements.....	6
250502	EMCS: Submittals and Review Process	3
250503	EMCS: Project Record Documents.....	3
250554	EMCS: Identification	2
250820	EMCS: Warranty and Maintenance	3
251001	EMCS: Local Area Network (LAN)	2
251002	EMCS: Operator Work Station (OWS)	2
253001	EMCS: Building Controllers.....	9
253002	EMCS: Field Control Devices	10
259001	EMCS: Site Requirements Applications and Systems Sequences of Operation.....	7

DIVISION 26 - ELECTRICAL

26 05 00	Common Work Results For Electrical	7
26 05 20	Wires and Box Connectors (0-1000 V).....	2
26 05 21	Wires and Cables (0-1000 V).....	3
26 05 29	Hangers and Supports for Electrical Systems	2
26 05 32	Outlet Boxes, Conduit Boxes, and Fittings	3
26 05 34	Conduits, Conduit Fastenings and Conduit Fittings.....	4
26 05 43.01	Installation of Cables in Trenches and in Ducts.....	4
26 05 80	Fractional Horsepower Motors	2
26 09 23.02	Lighting Control Devices - Photoelectric	2
26 09 43	Site Lighting Controls.....	6
26 12 16	Dry Type Medium Voltage Transformers.....	5
26 24 02	Service Entrance Board.....	4
26 24 16.01	Panelboards Breaker Type	3
26 27 26	Wiring Devices	4
26 28 16.02	Molded Case Circuit Breakers	3
26 28 23	Disconnect Switches – Fused, Non-fused.....	2
26 29 10	Motor Starters to 600 V	3
26 32 13.04	Diesel Electric Generating Units – Liquid Cooled.....	22
26 36 23	Automatic Transfer Switches.....	6
26 41 13	Lightning Protection for Structures.....	2

26 50 00	Lighting.....	2
26 52 00	Emergency Lighting.....	3
26 53 00	Exit Signs	3
26 56 19	Roadway Lighting.....	3

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

28 14 00	Electrical Controls and Instrumentation - FAST Traffic Control	8
28 323 00	Video Surveillance	5
28 31 00	Fire Alarm Systems.....	6
Attachment A	Video Surveillance Cover.....	1
Attachment A to 28 23 00	76

DIVISION 31 EARTHWORK

31 05 10	Corrected Maximum Density For Fill.....	1
31 05 16	Aggregate Materials.....	3
31 14 13	Soil Stripping and Stockpiling	2
31 22 13	Rough Grading.....	4
31 23 33.01	Excavating, Trenching, and Backfilling.....	6
31 24 13	Roadway Embankments.....	6
31 32 19.01	Geotextiles	2
31 37 00	Rip-Rap	2

DIVISION 32 EXTERIOR IMPROVEMENTS

32 11 23	Aggregate Base Courses	5
32 12 13.16	Asphalt Tack Coat.....	4
32 12 13.23	Asphalt Prime Coat	4
32 12 16	Asphalt Paving	19
32 13 13	Concrete Paving	5
32 16 15	Concrete Walks Curbs and Gutters	6
32 17 23	Pavement Marking	3
32 31 13	Chain Link Fences and Gates.....	5
32 91 19.13	Topsoil Placement and Grading	3
32 92 19.13	Mechanical Seeding	3

DIVISION 33 UTILITIES

33 05 16	Maintenance Holes and Catchbasin Structures	8
33 11 16	Site Water Utility Distribution Piping.....	8

33 41 00	Storm Utility Drainage Piping	9
33 41 01	Linear Trench Drain.....	5
33 42 13	Pipe Culverts.....	8

DIVISION 34 TRANSPORTATION

34 71 13.01	Vehicle Concrete Barriers.....	2
34 71 13.29	Sand Filled Barrels.....	2

LIST OF DRAWINGS

ARCHITECTURAL:

G0.1	COVER SHEET
G1.0	GENERAL NOTES & ASSEMBLIES
G1.1	CONSTRUCTION PHASING
A1.0	SITE PLAN
A1.1	FIRE SEPARATION PLAN
A1.2	FLOOR PLAN - NEW WAREHOUSE ADDITION
A1.3	FLOOR PLANS -EXISTING WAREHOUSE AND PIL 406 ALTERATIONS
A1.4	NEW ROOF PLAN
A1.5	REFLECTED CEILING PLAN - NEW WAREHOUSE ADDITION AND CANOPY
A1.6	REFLECTED CEILING PLAN - EXISTING WAREHOUSE
A2.0	BUILDING & CANOPY ELEVATIONS
A2.1	MISCELLANEOUS ELEVATIONS
A3.0	BUILDING & CANOPY SECTIONS
A3.1	WALL SECTIONS
A3.2	WALL SECTIONS
A3.3	WALL SECTIONS
A3.4	SECTION DETAILS
A3.5	SECTION DETAILS
A3.6	PLAN DETAILS
A4.0	ENLARGED PLANS & STAIR DETAILS
A4.1	PIL BOOTH PLANS, ELEVATIONS & SECTIONS
A4.2	TERTIARY GARAGE ADDITION - FLOOR PLAN, ROOF PLAN, AND REFLECTED CEILING PLAN
A4.3	TERTIARY GARAGE ADDITION - ELEVATIONS AND BUILDING SECTIONS
A4.4	TERTIARY GARAGE ADDITION - WALL SECTIONS AND MILLWORK PLAN & ELEVATIONS
A6.0	ROOM FINISH SCHEDULE, DOOR SCHEDULE AND DOOR & WINDOW ELEVATIONS

STRUCTURAL:

S1.0	GENERAL NOTES
S1.1	TYPICAL DETAILS & PIL BOOTH PLANS
S1.2	FOUNDATION PLAN & SCHEDULES
S1.3	MAIN FLOOR FRAMING PLAN & SCHEDULES
S1.4	ROOF FRAMING PLAN
S1.5	TERTIARY GARAGE - MAIN FLOOR & ROOF FRAMING PLANS

S2.0	TERTIARY GARAGE ELEVATIONS
S3.1	SECTIONS
S3.2	SECTIONS
S3.3	SECTIONS
S3.4	SECTIONS
S3.5	SECTIONS & DETAILS
S3.6	SECTIONS
S4.1	DETAILS
S4.2	DETAILS
S4.3	DETAILS

MECHANICAL:

M0.0	MECHANICAL LEGEND & DRAWING LIST
M1.1	WAREHOUSE PLUMBING - RENOVATION PLAN
M2.1	WAREHOUSE HVAC - RENOVATION PLAN
M3.1	WAREHOUSE FIRE PROTECTION - RENOVATION PLAN
M4.1	WAREHOUSE ROOF PLAN
M5.1	WAREHOUSE ENLARGEMENTS & ELEVATIONS
M6.1	MECHANICAL SCHEMATICS & DETAILS
M6.2	VENTILATION CHARTS
M6.3	PLUMBING SPECIFICATIONS, CHARTS & GAS LOAD SCHEMATIC
M7.1	TERTIARY EXAM GARAGE ADDITION - PLUMBING RENOVATION PLAN
M8.1	TERTIARY EXAM GARAGE ADDITION - HVAC RENOVATION PLAN

MECHANICAL / ELECTRICAL:

ME1.0	MECHANICAL & ELECTRICAL DATA SHEETS
ME1.1	MECHANICAL & ELECTRICAL DATA SHEETS
ME1.2	MECHANICAL & ELECTRICAL DATA SHEETS

ELECTRICAL:

E1.0	ELECTRICAL SYMBOL LEGEND, ABBREVIATIONS AND DRAWING LIST
ED1.1	SITE PLAN - ELECTRICAL DEMOLITION LAYOUT
E1.1	SITE PLAN - LIGHTING LAYOUT
E1.2	SITE PLAN - REVISED DISTRIBUTION AND PARKING LOT LAYOUT
EL2.1	WAREHOUSE AREA ADDITION - LIGHTING LAYOUT
EL2.2	EXISTING WAREHOUSE & NEW TERTIARY GARAGE ADDITION - POWER LAYOUT
EP2.1	WAREHOUSE AREA ADDITION - POWER LAYOUT
EP2.2	EXISTING WAREHOUSE & NEW TERTIARY GARAGE ADDITION - POWER LAYOUT
EC2.0	SITE PLAN - CCTV LAYOUT
EC2.1	COMMERCIAL BUILDING FLOOR PLAN - CCTV LAYOUT
EC2.2	EXISTING TRAVELERS BUILDING FLOOR PLAN - CCTV LAYOUT
EC2.3	PARTIAL FLOOR PLAN ADDITION - PIL BOOTH LICENCE PLATE READER SYSTEM
EC2.4	PARTIAL FLOOR PLAN EXISTING - PIL BOOTH LICENCE PLATE READER SYSTEM
EC2.5	LANES C1 TO C3 & LANE 6 CONFIGURATION 1 - EQUIPMENT LISTING
EC2.6	SITE PLAN - F.A.S.T. LAYOUT
EC2.7	WAREHOUSE AREA ADDITION - I.T. LAYOUT
EC2.8	EXISTING WAREHOUSE & NEW TERTIARY GARAGE ADDITION - I.T. LAYOUT
E3.0	ENLARGED PIL 6 FLOOR PLAN - ELECTRICAL LAYOUTS
E3.1	WAREHOUSE AREA ADDITION - LIGHTNING PROTECTION LAYOUT
E3.2	NEW TERTIARY GARAGE ADDITION - LIGHTNING PROTECTION LAYOUT

E4.0	SINGLE LINE DIAGRAM
E4.1	ELECTRICAL SCHEMATIC DIAGRAM
E5.0	ELECTRICAL SCHEDULES
E5.1	PANELBOARD SCHEDULES
E5.2	PANELBOARD SCHEDULES
E6.0	ELECTRICAL DETAILS

CIVIL:

C01	CIVIL SITE PLAN
C02	REMOVALS PLAN
C03	GEOMETRIC SITE PLAN - NORTH
C04	GEOMETRIC SITE PLAN - SOUTH
C05	LAND DRAINAGE SYSTEM PLAN & PROFILE
C06	SURFACE WORKS AND GRADING PLAN - NORTH
C07	SURFACE WORKS AND GRADING PLAN - SOUTH
C08	SURFACE WORKS AND GRADING PLAN - LOADING BAY & PIL BOOTHS
C09	CONCRETE JOINTING PLAN - NORTH
C10	CONCRETE JOINTING PLAN - SOUTH
C11	PAVEMENT MARKING & SIGNAGE PLAN - NORTH
C12	PAVEMENT MARKING & SIGNAGE PLAN - SOUTH
C13	SECTIONS - SHEET 1
C14	SECTIONS - SHEET 2
C15	DETAILS - SHEET 1
C16	DETAILS - SHEET 2
C17	MANHOLE WITH FLAPGATE DETAIL
C18	SIGNAL POLE STRUCTURES
C19	BYPASS CENTERLINE PROFILE - SOUTH
C20	BYPASS CENTERLINE PROFILE - NORTH
C21	SOUTHEAST DITCH PROFILE
C22	TERTIARY GARAGE EXPANSION - GEOMETRIC LAYOUT
C23	TERTIARY GARAGE EXPANSION - REMOVALS & SURFACE WORKS PLAN