



2.11	Access Control – Block Diagram & Head End equipment location identified (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.12	Access Control devices, readers, cables, requirements, and interfaces with other systems (CCTV for example)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.13	Emergency Calling Intercom stations, requirements, Emergency Calling station- locations & Head End equipment location identified (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.14	DATA Network and PRESTO– Block / Riser Diagram & Head End equipment location identified (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.14	Network equipment & PRESTO stations-locations, requirements and interfaces with other systems (CCTV, Emergency Calling Intercom, Illumination levels for example)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.15	Radio system – Block Diagram & Head End equipment location identified (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.16	Radio system including Metrolinx radio towers, cell towers, dispatch centre radio, security radio, operational radio, cables, requirements, and interfaces with other systems (Security systems for example)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.17	Building Automation System (BAS) – Block Diagram & Head End equipment location identified (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.18	BAS field devices-locations, cables, BAS system monitor/control points requirements, and interfaces with other systems (CHUBB, SCADA, FA for example)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.19	SCADA – Block Diagram & Head End equipment location identified (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.20	SCADA field equipment-locations, types, cables, requirements, and interfaces with other systems (CHUBB, Access Control, Power Metering, for example)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.21	Passenger Information System (PIS) – Block Diagram & Head End equipment location identified (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.22	PIS types, PIS-locations, cables, requirements	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.23	Uninterruptable Power Supply (UPS), UPS-location identified, requirements and interfaces with other systems (CHUBB, SCADA, FA etc.) (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.24	Elevator and Escalators, power and communication requirements and interfaces with other systems (FA, CHUBB, Fire Ventilation etc.)	<input type="checkbox"/>	x	<input type="checkbox"/>								
2.25	Public Information Intercom stations, requirements, Intercom station- locations & Head End equipment location identified (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
3.0	<b>Single Line Power Delivery Schematics</b>	25%		50%		75%		100%		IFC		<b>Comments</b>
		R (x)	C (v)									
<b>The following Power Delivery Schematics / Single Line Diagrams are included and comply with the following design requirements.</b>												
3.1	Normal Power and Emergency Power Distribution (Critical and Life Safety) Schematics (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
3.2	Cables sized and identified	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
3.3	Switchgear, transformers, MCCs, load centers identified and rated	<input type="checkbox"/>	x	<input type="checkbox"/>								
3.4	Metering and circuit protection established	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
3.5	Protection coordination calculation / report	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
3.6	Short circuit and voltage drop calculations / report	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
3.7	Temporary power during construction for operation of existing (DWG)	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		

3.8	Temporary power for operation of existing facility during construction, layouts and schematics (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
		<input type="checkbox"/>										
4.0	<b>Layouts - Power and Communication</b>	25%		50%		75%		100%		IFC		<b>Comments</b>
		R (x)	C (v)									
<b>The following Layouts are included and comply with the following design requirements.</b>												
4.1	Site Plan – Electrical and Communication services (DWG)	<input checked="" type="checkbox"/>	<input type="checkbox"/>									
4.2	Electrical and Communication Rooms locations identified (DWG)	<input checked="" type="checkbox"/>	<input type="checkbox"/>									
4.3	Electrical and Communication Room Layouts, rooms sizing, equipment space allocations (horizontal and vertical), clearances in compliance with DRM/Matrolinx Technical Master Specifications, OBC, OESC, Fire Department and other applicable codes/regulations	<input checked="" type="checkbox"/>	<input type="checkbox"/>									
4.4	Electrical/Communication room elevations (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5	Major equipment dimensions, equipment identification, feeder from bottom or above identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6	Power raceways layouts (overhead and embedded in floor and walls, maximum number of bends per DRM/Matrolinx Technical Master Specifications) (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.7	Communication raceways layouts (overhead and embedded in floor and walls, maximum number of bends per DRM/Matrolinx Technical Master Specifications) (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.8	Power and Communication receptacle layouts, circuits identified (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.9	Layouts of additional communication systems such as Wi-Fi, Intercom, information kiosks and other applicable for the project (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>										
5.0	<b>Layouts - Grounding System &amp; Lightning Protection System (LPS)</b>	25%		50%		75%		100%		IFC		<b>Comments</b>
		R (x)	C (v)									
<b>The following Grounding System Layouts are included and comply with the following design requirements.</b>												
5.1	Grounding and Bonding Schematic Diagram (DWG)	<input type="checkbox"/>	<input checked="" type="checkbox"/>									
5.2	Ground resistance/resistivity study and Step and touch potential study	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3	Cable type and sizes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.4	Grounding and bonding layouts, references to applicable details (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.5	Grounding grid layouts (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.6	Ground-bus bar in electrical and communication rooms - location and sizes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7	Grounding and bonding equipment and details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.8	Lightning protection layouts, references to applicable details (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.9	LPS cable type and sizes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.10	Surge Protection Suppression devices for Category A, B and C locations identified and included in Power Distribution system where applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.11	Lightning Risk Assessment for LPS calculations/study	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.12	Cathodic protection system schematic, requirements and interfaces with other systems, only if applicable (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

5.13	Cathodic protection system layouts, only if applicable (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
6.0	<b>Layouts – Lighting System</b>	25%		50%		75%		100%		IFC	<b>Comments</b>
		R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	

**The following Lighting System Layouts are included and comply with the following design requirements.**

6.1	Lighting Layouts including locations and Fixture types (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>							
6.2	Circuiting and controls for interior and exterior lighting per DRM/Matrolinx Technical Master Specifications	<input type="checkbox"/>	x	<input type="checkbox"/>							
6.3	Lighting and lighting controls design criteria	<input type="checkbox"/>	x	<input type="checkbox"/>							
6.4	Normal and emergency lighting	<input type="checkbox"/>	x	<input type="checkbox"/>							
6.5	Lighting distribution panel locations	<input type="checkbox"/>	x	<input type="checkbox"/>							
6.6	Lighting distribution panel schedules	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
6.7	Cable or wiring sizes, voltage drops calculations	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
6.8	Illumination calculations / photometric layouts(DWG)	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
6.9	Level of illumination in each area, voltage yards, substation, electrical, communication and other service areas, public areas like parking lot, parking structures, station, plazas, platforms, garbage area, canopy, etc.	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
6.10	Maintenance factor, CRI, Color Temperature	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
6.11	Fixtures (type, location and installation details) in relation to signage	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
6.12	Lighting Fixture Schedule, Light fixture types, voltage, controls, lamps, watts etc. (DWG)	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
7.0	<b>Layouts– Fire Alarm (FA)</b>	25%		50%		75%		100%		IFC	<b>Comments</b>
		R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	

**The following FA Layouts are included and comply with the following design requirements.**

7.1	FA Layouts including device locations and device identification (DWG)	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
7.2	FA zones and circuiting	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
7.3	Physical Interface with other systems identified	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
7.4	Control panels / cabinets layouts and location (DWG)	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
8.0	<b>Layouts– Conduits / Duct-banks</b>	25%		50%		75%		100%		IFC	<b>Comments</b>
		R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	

**The following Conduits / Duct-banks Layouts are included and comply with the following design requirements.**

8.1	Home runs and raceway routes identified	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
8.2	Conduits/Ducts layouts for all services (electrical, communications, signals, etc.) (DWG)	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
8.3	Cable tray layouts for all services, types, installation details identified (DWG)	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
8.4	Conduit interface with civil design and reinforcing steel in concrete slabs and walls identified	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
8.5	Drainage from underground manholes and embedded pull-boxes	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	

8.6	Conduit fill calculations, maximum number of bends and maximum distance between pull points per DRM/Matrolinx Technical Master Specifications	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
8.7	Stub-ups / loose-ends and extension-boxes for conduits extension by others or in the future	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
8.8	Conduits/Ducts – schedule (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
8.9	Pull box – schedule (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
8.10	Conduit/pull box identification numbers	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
8.11	Conduit origin (from:), destination (to:)	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
8.12	Conduit/pull box location	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
8.13	Conduit size and length	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>			
9.0	<b>Riser Diagrams – Raceways</b>	25%		50%		75%		100%		IFC		<b>Comments</b>
		R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	
<b>The following Raceway Riser Diagrams are included and comply with the following design requirements.</b>												
9.1	Raceway/Conduit Riser Diagrams for Communication systems (FA, CCTV, Train Control – Signal system etc.) (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
9.2	Raceway/Conduit Riser Diagrams for Power distribution system (DWG)	<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
9.3	Equipment / Devices, identification and location	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
9.4	Conduits locations and conduit Identifications including designation conduit ID	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>			
		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>			
10.0	<b>Wiring Diagrams – Wayside power (WSP)</b>	25%		50%		75%		100%		IFC		<b>Comments</b>
		R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	
<b>The following Wiring Diagrams are included and comply with the following design requirements.</b>												
10.1	Device symbols and identification (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
10.2	Single Line WSP diagrams (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
10.3	WSP Control Schematics (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
10.4	Device location and tagging	<input type="checkbox"/>	x	<input type="checkbox"/>								
10.5	Wire and terminal identification	<input type="checkbox"/>	x	<input type="checkbox"/>								
10.6	Circuit identification	<input type="checkbox"/>	x	<input type="checkbox"/>								
10.7	Interlock cross-references	<input type="checkbox"/>	x	<input type="checkbox"/>								
10.8	Sequence of operations	<input type="checkbox"/>	x	<input type="checkbox"/>								
		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
11.0	<b>Panelboard Schedules</b>	25%		50%		75%		100%		IFC		<b>Comments</b>
		R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	R (x)	C (v)	
<b>The following Panelboard schedules are included and comply with the following design requirements.</b>												
11.1	Panelboard Schedule (DWG)	<input type="checkbox"/>	x	<input type="checkbox"/>								
11.2	Panelboard physical frame configuration, type and location	<input type="checkbox"/>	x	<input type="checkbox"/>								
11.3	Main busbars voltage and current ratings	<input type="checkbox"/>	x	<input type="checkbox"/>								

11.4	Main breaker frame size and trip setting	<input type="checkbox"/>	x	<input type="checkbox"/>								
11.5	Load per breaker (connected power)	<input type="checkbox"/>	x	<input type="checkbox"/>								
11.6	Load per phase (total power)	<input type="checkbox"/>	x	<input type="checkbox"/>								
11.7	Load identification per breaker (Lighting, Power, other)	<input type="checkbox"/>	x	<input type="checkbox"/>								
11.8	Circuit numbers and MCB ratings	<input type="checkbox"/>	x	<input type="checkbox"/>								
11.9	25% spare capacity (25% space and 25% spare circuit breakers per DRM/Matrolinx Technical Master Specifications)	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
12.0	<b>Cable Schedules – Power Delivery</b>	25%		50%		75%		100%		IFC		<b>Comments</b>
		R (x)	C (v)									
<b>The following Cable Schedules are included and comply with the following design requirements.</b>												
12.1	Cable Schedule (DWG)	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
12.2	Number of cables and conductors per feeder	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
12.3	Size of cables and conductors per feeder	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
12.4	Cable ID and type, Insulation Level for each feeder	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
12.5	Cable origin (From:), destination (To:), length	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
12.6	Route identified by conduit ID or tray ID	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
13.0	<b>Motor Schedules – Load Lists</b>	25%		50%		75%		100%		IFC		<b>Comments</b>
		R (x)	C (v)									
<b>The following Motor Schedules are included and comply with the following design requirements.</b>												
13.1	Electrical specifications included in motor schedules (In most cases motor schedules are developed by mechanical discipline)	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
14.0	<b>Hazardous Locations</b>	25%		50%		75%		100%		IFC		<b>Comments</b>
		R (x)	C (v)									
<b>Hazardous Locations design is included and the following design requirements.</b>												
14.1	Hazardous locations layout (DWG)	x	<input type="checkbox"/>									
14.2	Hazardous locations and conditions/materials identified and allocated on the site/building layouts	x	<input type="checkbox"/>									
14.3	Required protection level identified	<input type="checkbox"/>	x	<input type="checkbox"/>								
14.4	Types and degrees of protection to be used are identified for each hazardous zone (zone 0,1,2,20,22)	<input type="checkbox"/>	x	<input type="checkbox"/>								
14.5	Electrical equipment and raceways types of protection are identified and are in compliance with OESC and other applicable standards	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
14.6	Electrical equipment and raceways are designed in accordance with the type and degree of protection specified for the identified hazardous areas and appropriate labels are included in the design, all per OESC and other applicable standards	<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>		
		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
15.0	<b>Submittals to Authority Having</b>	25%		50%		75%		100%		IFC		<b>Comments</b>

Jurisdiction (AHJ)		R (x)	C (v)								
<b>The following submittals are developed and submitted to the respective Authority Having Jurisdiction.</b>											
15.1	ESA		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>
15.2	Municipal authority		<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>
15.3	Local Hydro authority		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>
15.4	Metrolinx internal authority- safety and security		<input type="checkbox"/>		<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>	x	<input type="checkbox"/>
			<input type="checkbox"/>								