

1. GENERAL

1.1 Work Included

- .1 Provide a complete system of wiring, making all connections necessary for the installation shown on drawings.

1.2 References, Codes and Standards

- .1 CSA C22.2 No. 0.3, Test Methods for Electrical Wires and Cables.
- .2 Install and rate power cables in accordance with the Canadian Electrical Code requirements.

1.3 Product Data

- .1 Submit product data in accordance with Section 16010 - Electrical General Requirements.

2. PRODUCTS

2.1 Building Wires

- .1 Conductors: stranded for 10 AWG and larger. Minimum size: 12 AWG.
- .2 Copper conductors: size as indicated, with 600 V insulation of chemically cross-linked thermosetting polyethylene (XLPE) material rated RW90.

2.2 Teck Cable

- .1 Conductors:
 - .1 Grounding conductor: copper.
 - .2 Circuit conductors: copper, size as indicated.
- .2 Insulation:
 - .1 Type: ethylene propylene rubber.
 - .2 Chemically cross-linked thermosetting polyethylene rated type RW90, 1000 V.
- .3 Inner jacket: polyvinyl chloride material.
- .4 Armour: interlocking aluminum.
- .5 Overall covering: thermoplastic polyvinyl chloride material.

.6 Fastenings:

- .1 One hole malleable iron straps to secure surface cables 50 mm and smaller. Two hole steel straps for cables larger than 50 mm.
- .2 Channel type supports for two or more cables at 1500 mm centers.
- .3 Six mm dia. threaded rods to support suspended channels.

.7 Connectors:

- .1 Watertight, approved for TECK cable.

2.3 Control Cables

- .1 Single conductor wire to be 98% conductivity copper type TEW or TBS insulation rated at 600 V, solid or stranded conductor as required, size as noted on Drawings and specified herein, 90°C insulation and manufactured to CSA Specification C22.2, No. 38.
- .2 Cable for power and control shall be based on Teck 90 armoured cable, with stranded copper conductors, 90°C insulation, rated at 600 V ac, manufactured to CSA Specification C22.2, No. 131, integral copper ground wire, PVC inner jacket, aluminum interlocking armour, and PVC outer jacket having heat, flame, and moisture retardant properties. Flame retardancy of outer jacket to be rated in accordance with CSA Standard C22.2, No. 0.3.
- .3 Analog instrumentation cable shall use single or multiple pair, 7 strand copper conductor, individually twisted and shielded, individual tinned copper drain wire, complete electrical isolation between shields, overall multi-conductor cable shield with drain wire, XLPE inner jacket, interlocking aluminum armour, and FT4 flame retardant rated outer PVC jacket. Cable to be manufactured to CSA specifications C22.2, No. 239 and CSA, No. 38 and shall be provided with a black, white, colour code and number code for each pair. Cable and conductor insulation to be rated for 105°C (dry) and 600 V. Conductor size shall be minimum #16 AWG or as noted on the Drawings. Standard of acceptance shall be Shawflex 69 series instrumentation and control cable.

3. EXECUTION

3.1 General

- .1 Minimum conductor size #12 AWG except for luminaire drops which can be #14 AWG if fed from 15A circuits.

3.2 Installation of Building Wires

- .1 Install wiring as follows:
 - .1 In conduit systems in accordance with Section 16111.
 - .2 In cabletroughs in accordance with Section 16114.

.3 In wireways and auxiliary gutters in accordance with Section 16116.

3.3 Installation of Teck Cable 0 - 1000 V

- .1 Install cables.
- .2 Group cables wherever possible on channels.
- .3 Lay cable in cabletroughs in accordance with Section 16114.
- .4 Terminate cables in accordance with Section 16151 - Wire and Box Connectors - 0 - 1000 V.

3.4 Installation of Control Cables

- .1 Install control cables in conduit or cable troughs.
- .2 Ground control cable shield at one end only. Shields to be continuous over entire run.

3.5 Workmanship

- .1 Before pulling wire, ensure conduit is dry and clean. If moisture is present, thoroughly dry out conduits; vacuum if necessary. To facilitate pulling, recognized specially manufactured wire pulling lubricants may be used. Do not use grease. Employ suitable techniques to prevent damage to wire when ambient temperature is below the minimum permitted for each insulation type. Do not pull wires into incomplete conduit runs.
- .2 Installation to be free of opens and grounds. Before energization, measure insulation resistance and comply with the Canadian Electrical Code. Submit data sheet with values measured.
- .3 Do not install any conductor smaller than #12 AWG, except where specifically indicated otherwise, i.e. for fire alarm system station circuits, P.A. wiring, etc.
- .4 Provide sizes of conductors as shown on drawings. Voltage drop from lighting panels to farthest outlet must not exceed 2% at full load in any case. Advise Contract Administrator if problem is foreseen.
- .5 Exercise care in stripping insulation from wire. Do not nick conductors.

3.6 Identification, Coding and Balancing

- .1 For branch circuit wiring, follow identification system shown on the drawings and as specified in Section 16010 - Electrical General Requirements.
- .2 Connect single phase equipment to minimize imbalance on feeders. Adjust branch circuiting shown as required for optimum balancing. Record all changes on "record" drawings.
- .3 Colour code all feeders at all terminations, at all points where taps are made, and at all panelboards, switchboards, motor control centres, etc. Use two wraps of 3M #471 plastic film tape 48 mm wide.

- .4 Conductors sized No. 10 and smaller are required to be factory coloured, not taped on site.
- .5 For direct current wiring use red for positive and black for negative.

3.7 Testing

- .1 All power and control wiring shall be tested for insulation resistance value with a 1000 volt megger. Resistance values shall be as recommended by the cable manufacturer.
- .2 All wire test results shall be properly tabulated, signed, dated, and submitted to the Contract Administrator.

END OF SECTION

CABLE SCHEDULE						
CABLE NUMBER	CABLE TYPE	CABLE ROUTING	ORIGIN	DESTINATION		REMARKS
POWER CABLES (600V)						
P0001	1-3/C #300 MCM + #3 GND	T-001	CDP-1	UV CONTROL PANEL CPP-11	1000V - TECK 90	
P0002	1-3/C #300 MCM + #3 GND	T-001	CDP-1	UV CONTROL PANEL CPP-12	1000V - TECK 90	
P0003	1-3/C #300 MCM + #3 GND	T-002	CDP-1	UV CONTROL PANEL CPP-21	1000V - TECK 90	
P0004	1-3/C #300 MCM + #3 GND	T-002	CDP-1	UV CONTROL PANEL CPP-22	1000V - TECK 90	
P0005	1-3/C #300 MCM + #3 GND	T-002	CDP-1	UV CONTROL PANEL CPP-23	1000V - TECK 90	
P0006	1-3/C #300 MCM + #3 GND	T-002	CDP-1	UV CONTROL PANEL CPP-24	1000V - TECK 90	
P0007	1-3/C #3 + #6 GND	T-001	CDP-1	AHU-1	1000V - TECK 90	
P0008	1-3/C #3 + #6 GND	T-001	CDP-1	AHU-2	1000V - TECK 90	
P0009	1-3/C #1/0 + #6 GND	T-001	CDP-1	CON-1	1000V - TECK 90	
P0010	1-3/C #1/0 + #6 GND	T-001	CDP-1	CON-2	1000V - TECK 90	
P0011	1-3/C #6 + #8 GND	-	TRANSFORMER LT-4 SWITCH	TRANSFORMER LT-4 300kVA	5000V - TECK 90	
P0012	1-3/C #8 + 10 GND	-	PANEL 100	TRANSFORMER LT-5 30kVA	1000V - TECK 90	
P0013	1-3/C #3 + #6 GND	-	TRANSFORMER LT-5 30kVA	PANEL C	1000V - TECK 90	
P0014	3-1/C #500MCM + #1/0 GND	-	TRANSFORMER LT-4 300kVA	PANEL 100	1000V - TECK 90	
P0015	3-1/C #4/0 + #3 GND	T-015	TRANSFORMER LT-3 BREAKER	TRANSFORMER LT-3 2000kVA	5000V - TECK 90	
P0016	12-1/C #750MCM + 2/0 GND	T-016	TRANSFORMER LT-3 2000kVA	2000A 600V UV DIST. BREAKER	5000V - TECK 90	3 CONDUCTORS PER PHASE PLUS FULL SIZE NEUTRAL

CABLE SCHEDULE						
CABLE NUMBER	CABLE TYPE	CABLE ROUTING	ORIGIN	DESTINATION		REMARKS
UV INTERCONNECTION CABLES						
CPP-11-001	40/C #14	T-003, T-004,T-005	CPP-11	DU-061-UVR-11	600V TECK 90	
CPP-11-002	4-1 PR #14 SHIELDED	T-003, T-004,T-005	CPP-11	DU-061-UVR-11	BELDEN #9314 - TECK	
CPP-11-003	10-1 TW/PR #18 SHIELDED	T-003, T-004,T-005	CPP-11	DU-061-UVR-11	BELDEN #8760 - TECK	
CPP-11-004	20-1/C #14	C-001	CPP-11	DU-061-UVR-11	15kVCABLE TYPE GTO	
CPP-11-005	4-1/C #12 + #14 GND	C-001	CPP-11	DU-061-UVR-11	RW90	
CPP-11-006	2 TW/PR #16 SHEILDDED	T-003, T-004,T-005,T-006,T-007	CPP-11	FIT-1	600V TECK 90	INDIVIDUAL PAIRS SHIELDED
CPP-11-007	MODBUS+	C-007	CPP-11	UV MASTER PLC	BELDEN #9841	VIA CPP UNITS TO UV MASTER PLC
CPP-11-008	15/C #14 + #14 GND	T-003,T-006,T-007	CPP-11	UV MASTER PLC	600V TECK 90	
CPP-12-001	40/C #14	T-003, T-004	CPP-12	DU-062-UVR-12	600V TECK 90	
CPP-12-002	4-1 PR #14 SHIELDED	T-003, T-004	CPP-12	DU-062-UVR-12	BELDEN #9314 - TECK	
CPP-12-003	10-1 TW/PR #18 SHIELDED	T-003, T-004	CPP-12	DU-062-UVR-12	BELDEN #8760 - TECK	
CPP-12-004	20-1/C #14	C-002	CPP-12	DU-062-UVR-12	15kVCABLE TYPE GTO	
CPP-12-005	4-1/C #12 + #14 GND	C-002	CPP-12	DU-062-UVR-12	600V TECK 90	
CPP-12-006	2 TW/PR #16 SHEILDDED	T-003, T-006,T-007	CPP-12	FIT-2	600V TECK 90	INDIVIDUAL PAIRS SHIELDED
CPP-12-007	MODBUS+	C-008	CPP-12	UV MASTER PLC	BELDEN #9841	VIA CPP UNITS TO UV MASTER PLC
CPP-12-008	15/C #14 + #14 GND	T-003,T-006,T-007	CPP-12	UV MASTER PLC	600V TECK 90	
CPP-21-001	40/C #14	T-008,T-009,T-009A,T-010	CPP-21	DU-063-UVR-21	600V TECK 90	
CPP-21-002	4-1 PR #14 SHIELDED	T-008,T-009,T-009A,T-010	CPP-21	DU-063-UVR-21	BELDEN #9314 - TECK	
CPP-21-003	10-1 TW/PR #18 SHIELDED	T-008,T-009,T-009A,T-010	CPP-21	DU-063-UVR-21	BELDEN #8760 - TECK	
CPP-21-004	20-1/C #14	C-003	CPP-21	DU-063-UVR-21	15kVCABLE TYPE GTO	
CPP-21-005	4-1/C #12 + #14 GND	C-003	CPP-21	DU-063-UVR-21	600V TECK 90	
CPP-21-006	2 TW/PR #16 SHEILDDED	T-010,T-009B,T-011D,T-007	CPP-21	FIT-3	600V TECK 90	INDIVIDUAL PAIRS SHIELDED
CPP-21-007	MODBUS+	C-009	CPP-21	UV MASTER PLC	BELDEN #9841	VIA CPP UNITS TO UV MASTER PLC
CPP-21-008	15/C #14 + #14 GND	T-008,T-009,T-009A,T-009B,T-011D,T-007	CPP-21	UV MASTER PLC	600V TECK 90	
CPP-22-001	40/C #14	T-008,T-009,T-009A,T-009B,T-011A,T-011B	CPP-22	DU-064-UVR-22	600V TECK 90	
CPP-22-002	4-1 PR #14 SHIELDED	T-008,T-009,T-009A,T-009B,T-011A,T-011B	CPP-22	DU-064-UVR-22	BELDEN #9314 - TECK	
CPP-22-003	10-1 TW/PR #18 SHIELDED	T-008,T-009,T-009A,T-009B,T-011A,T-011B	CPP-22	DU-064-UVR-22	BELDEN #8760 - TECK	
CPP-22-004	20-1/C #14	C-004	CPP-22	DU-064-UVR-22	15kVCABLE TYPE GTO	
CPP-22-005	4-1/C #12 + #14 GND	C-004	CPP-22	DU-064-UVR-22	RW90	
CPP-22-006	2 TW/PR #16 SHEILDDED	T-010,T-009B	CPP-22	FIT-4	600V TECK 90	INDIVIDUAL PAIRS SHIELDED
CPP-22-007	MODBUS+	C-10	CPP-22	UV MASTER PLC	BELDEN #9841	VIA CPP UNITS TO UV MASTER PLC
CPP-22-008	15/C #14 + #14 GND	T-008,T-009,T-009A,T-009B,T-011D,T-007	CPP-22	UV MASTER PLC	600V TECK 90	
CPP-23-001	40/C #14	T-012, T-013	CPP-23	DU-065-UVR-23	600V TECK 90	
CPP-23-002	4-1 PR #14 SHIELDED	T-012, T-013	CPP-23	DU-065-UVR-23	BELDEN #9314 - TECK	
CPP-23-003	10-1 TW/PR #18 SHIELDED	T-012, T-013	CPP-23	DU-065-UVR-23	BELDEN #8760 - TECK	
CPP-23-004	20-1/C #14	C-005	CPP-23	DU-065-UVR-23	15kVCABLE TYPE GTO	
CPP-23-005	4-1/C #12 + #14 GND	C-005	CPP-23	DU-065-UVR-23	RW90	
CPP-23-006	2 TW/PR #16 SHEILDDED	T-011A,T-011,T-009B,T-011D,T-007	CPP-23	FIT-5	600V TECK 90	INDIVIDUAL PAIRS SHIELDED
CPP-23-007	MODBUS+	C-011	CPP-23	UV MASTER PLC	BELDEN #9841	VIA CPP UNITS TO UV MASTER PLC
CPP-23-008	15/C #14 + #14 GND	T-012,T-006,T-006A,T-006B,T-007	CPP-23	UV MASTER PLC	600V TECK 90	
CPP-24-001	40/C #14	T-012, T014,T-014B	CPP-24	DU-066-UVR-24	600V TECK 90	
CPP-24-002	4-1 PR #14 SHIELDED	T-012, T014,T-014B	CPP-24	DU-066-UVR-24	BELDEN #9314 - TECK	
CPP-24-003	10-1 TW/PR #18 SHIELDED	T-012, T014,T-014B	CPP-24	DU-066-UVR-24	BELDEN #8760 - TECK	
CPP-24-004	20-1/C #14	C-006	CPP-24	DU-066-UVR-24	15kVCABLE TYPE GTO	
CPP-24-005	4-1/C #12 + #14 GND	C-006	CPP-24	DU-066-UVR-24	RW90	
CPP-24-006	2 TW/PR #16 SHEILDDED	T-013,T-012,T-006B,T-006A,T-007	CPP-24	FIT-6	600V TECK 90	INDIVIDUAL PAIRS SHIELDED
CPP-24-007	MODBUS+	C-012	CPP-24	UV MASTER PLC	BELDEN #9841	VIA CPP UNITS TO UV MASTER PLC
CPP-24-008	15/C #14 + #14 GND	T-012,T-006A,T-007	CPP-24	UV MASTER PLC	600V TECK 90	

CABLE SCHEDULE						
CABLE NUMBER	CABLE TYPE	CABLE ROUTING	ORIGIN	DESTINATION		REMARKS
CONTROL CABLES						
UVT-1-001	2 TW/PR #16 SHIELDED	T-006,T-007	UVT-1	UV MASTER PLC	600V TECK 90	INDIVIDUAL PAIRS SHIELDED
UVT-1-002	2/C #12	T-001,T-003	PANEL C	UVT-1	600V TECK 90	
UVT-2-001	2 TW/PR #16 SHIELDED	T-006A,T-007	UVT-2	UV MASTER PLC	600V TECK 90	INDIVIDUAL PAIRS SHIELDED
UVT-2-002	2/C #12	T-002,T-012	PANEL C	UVT-2	600V TECK 90	
SV-1-001	4/C #14	EXISTING TRAY	EXISTING LCP-1	DD-041-SV-1	600V TECK 90	
SV-2-001	4/C #14	EXISTING TRAY	EXISTING LCP-2	DD-042-SV-2	600V TECK 90	
SV-3-001	4/C #14	EXISTING TRAY	EXISTING LCP-3	DD-043-SV-3	600V TECK 90	
SV-4-001	4/C #14	FUTURE	FUTURE LCP-4	DD-044-SV-4	600V TECK 90	
SV-5-001	4/C #14	FUTURE	FUTURE LCP-5	DD-045-SV-5	600V TECK 90	
PDV-1-001	6/C #14	EXISTING TRAY	EXISTING LCP-1	DD-041-PDV-1	600V TECK 90	
PDV-2-001	6/C #14	EXISTING TRAY	EXISTING LCP-2	DD-042-PDV-2	600V TECK 90	
PDV-3-001	6/C #14	EXISTING TRAY	EXISTING LCP-3	DD-043-PDV-3	600V TECK 90	
PDV-4-001	6/C #14	FUTURE	FUTURE LCP-4	DD-044-PDV-4	600V TECK 90	
PDV-5-001	6/C #14	FUTURE	FUTURE LCP-5	DD-045-PDV-5	600V TECK 90	
DV-1-001	4/C #14	EXISTING TRAY	EXISTING LCP-1	DD-041-DV-1	600V TECK 90	Disconnect and remove existing wiring
DV-2-001	4/C #14	EXISTING TRAY	EXISTING LCP-2	DD-041-DV-2	600V TECK 90	Disconnect and remove existing wiring
DV-3-001	4/C #14	EXISTING TRAY	EXISTING LCP-3	DD-041-DV-3	600V TECK 90	Disconnect and remove existing wiring
DV-4-001	4/C #14	FUTURE	FUTURE LCP-4	DD-041-DV-4	600V TECK 90	FUTURE
DV-5-001	4/C #14	FUTURE	FUTURE LCP-5	DD-041-DV-5	600V TECK 90	FUTURE
IHV-1-001	4/C #16	T-004D,T-004F,T-004,T-003	TERMINAL CABINET TC-1	DU-060-IHV-1	600V TECK 90	
IHV-2-001	4/C #16	T-010A,T-010,T-009B	TERMINAL CABINET TC-2	DU-060-IHV-2	600V TECK 90	
IHV-3-001	4/C #16	T-009B,T-011	TERMINAL CABINET TC-2	DU-060-IHV-3	600V TECK 90	
IHV-4-001	4/C #16	T-009B,T-011	TERMINAL CABINET TC-2	DU-060-IHV-4	600V TECK 90	
IHV-5-005	4/C #16	T-013A,T-013,T-012	TERMINAL CABINET TC-3	DU-060-IHV-5	600V TECK 90	
SIV-1-001	4/C #16	T-004,T-003	TERMINAL CABINET TC-1	DUS-061-SIV-1	600V TECK 90	
SIV-2-001	4/C #16	T-004A,T-004,T-003	TERMINAL CABINET TC-1	DUS-062-SIV-2	600V TECK 90	
SIV-3-001	4/C #16	T-010,T-009B,T-011	TERMINAL CABINET TC-2	DUS-063-SIV-3	600V TECK 90	
SIV-4-001	4/C #16	T-011A,T-011	TERMINAL CABINET TC-2	DUS-064-SIV-4	600V TECK 90	
SIV-5-001	4/C #16	T-013,T-012	TERMINAL CABINET TC-3	DUS-065-SIV-5	600V TECK 90	
SIV-6-001	4/C #16	T-014D,T-014	TERMINAL CABINET TC-3	DUS-065-SIV-6	600V TECK 90	
DHV-1-001	4/C #16	-	TERMINAL CABINET TC-1	DD-050-DHV-1	600V TECK 90	
DHV-2-001	4/C #16	T-004D,T-004E,T-004,T-003	TERMINAL CABINET TC-1	DD-050-DHV-2	600V TECK 90	
DHV-3-001	4/C #16	T-010,T-009B,T-011	TERMINAL CABINET TC-2	DD-050-DHV-3	600V TECK 90	
DHV-4-001	4/C #16	T-011	TERMINAL CABINET TC-2	DD-050-DHV-4	600V TECK 90	
DHV-5-001	4/C #16	T-009B,T-011	TERMINAL CABINET TC-3	DD-050-DHV-5	600V TECK 90	
FCV-1-001	7/C #16	T-004,T-003	DD-061-FCV-1	TERMINAL CABINET TC-1	600V TECK 90	
FCV-1-002	3 TW/PR #16 SHIELDED	T-004,T-003	DD-061-FCV-1	TERMINAL CABINET TC-1	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
FCV-1-003	4/C #12 + #14 GND	T-001,T-003,T-004,T-004E,T-004D	PANEL 100	DD-061-FCV-1	600V TECK 90	
FCV-2-001	7/C #16	T-004B,T-004,T-003	DD-062-FCV-2	TERMINAL CABINET TC-1	600V TECK 90	
FCV-2-002	3 TW/PR #16 SHIELDED	T-004B,T-004,T-003	DD-062-FCV-2	TERMINAL CABINET TC-1	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
FCV-2-003	4/C #12 + #14 GND	T-001,T-003,T-004,T-004E,T-004D	PANEL 100	DD-062-FCV-2	600V TECK 90	
FCV-3-001	7/C #16	T-010,T-009B,T-011	DD-063-FCV-3	TERMINAL CABINET TC-2	600V TECK 90	
FCV-3-002	3 TW/PR #16 SHIELDED	T-010,T-009B,T-011	DD-063-FCV-3	TERMINAL CABINET TC-2	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
FCV-3-003	4/C #12 + #14 GND	T-008,T-009,T-009A,T-010	PANEL 100	DD-063-FCV-3	600V TECK 90	
FCV-4-001	7/C #16	T-011C,T-011	DD-064-FCV-4	TERMINAL CABINET TC-2	600V TECK 90	
FCV-4-002	3 TW/PR #16 SHIELDED	T-011C,T-011	DD-064-FCV-4	TERMINAL CABINET TC-2	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
FCV-4-003	4/C #12 + #14 GND	T-008,T-009,T-009A,T-009B,T-011,T-011C	PANEL 100	DD-064-FCV-4	600V TECK 90	
FCV-5-001	7/C #16	T-013,T-012	DD-065-FCV-5	TERMINAL CABINET TC-3	600V TECK 90	
FCV-5-002	3 TW/PR #16 SHIELDED	T-013,T-012	DD-065-FCV-5	TERMINAL CABINET TC-3	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
FCV-5-003	4/C #12 + #14 GND	T-008,T-009,T-009A	PANEL 100	DD-065-FCV-5	600V TECK 90	
FCV-6-001	7/C #16	T-014A,T-014	DD-066-FCV-6	TERMINAL CABINET TC-3	600V TECK 90	
FCV-6-002	3 TW/PR #16 SHIELDED	T-014A,T-014	DD-066-FCV-6	TERMINAL CABINET TC-3	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
FCV-6-003	4/C #12 + #14 GND	T-008,T-009,T-009A,T-009B	PANEL 100	DD-066-FCV-6	600V TECK 90	
FIT-1-001	2/C #14	T-001,T-003	PANEL C	DUS-61-FIT-1	600V TECK 90	
FIT-2-001	2/C #14	T-001,T-003	PANEL C	DUS-62-FIT-2	600V TECK 90	
FIT-3-001	2/C #14	T-008,T-009,T-009A,T-009B	PANEL C	DUS-63-FIT-3	600V TECK 90	
FIT-4-001	2/C #14	T-008,T-009,T-009A,T-009B	PANEL C	DUS-64-FIT-4	600V TECK 90	
FIT-5-001	2/C #14	T-002,T-012	PANEL C	DUS-65-FIT-5	600V TECK 90	
FIT-6-001	2/C #14	T-002,T-012	PANEL C	DUS-66-FIT-6	600V TECK 90	

CABLE SCHEDULE						
CABLE NUMBER	CABLE TYPE	CABLE ROUTING	ORIGIN	DESTINATION		REMARKS
CONTROL CABLES						
TC-1-001	40/C #16	T-006,T-007	TERMINAL CASBINET TC-1	UV MASTER PLC	600V TECK 90	
TC-1-002	6 TW/PR #16 SHIELDED	T-006,T-007	TERMINAL CASBINET TC-1	UV MASTER PLC	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
TC-2-001	50/C #16	T-009B,T-011,T-007	TERMINAL CASBINET TC-2	UV MASTER PLC	600V TECK 90	
TC-2-002	6 TW/PR #16 SHIELDED	T-009B,T-011,T-007	TERMINAL CASBINET TC-2	UV MASTER PLC	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
TC-3-001	40/C #16	T-006B,T-006A,T-007	TERMINAL CASBINET TC-3	UV MASTER PLC	600V TECK 90	
TC-3-002	6 TW/PR #16 SHIELDED	T-006B,T-006A,T-007	TERMINAL CASBINET TC-3	UV MASTER PLC	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
AHU-1-001	10/C #16	T-002,T-012,T-006A,T-007	AIR HANDLING UNIT AHU-1	AHU CONTOLLER	600V TECK 90	Confirm all control and communication
AHU-2-001	10/C #16	T-002,T-012,T-006A,T-007	AIR HANDLING UNIT AHU-2	AHU CONTOLLER	600V TECK 90	cables for HVAC equipment noted with
AHU-C-001	20/C #16	T-002,T-012,T-006A,T-007	AHU CONTOLLER	UV MASTER PLC	600V TECK 90	Division 15
AHU-1-002	3 TW/PR #16 SHIELDED	T-002,T-012,T-006A,T-007	AIR HANDLING UNIT AHU-1	AHU CONTOLLER	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
AHU-2-002	3 TW/PR #16 SHIELDED	T-002,T-012,T-006A,T-007	AIR HANDLING UNIT AHU-2	AHU CONTOLLER	300V TECK 90	INDIVIDUAL PAIRS SHIELDED
AHU-1-003	2/C #16	T-002,T-012,T-006A,T-007	AIR HANDLING UNIT AHU-1	EXISTING FIRE ALARM PANEL	600V TECK 90	AHU-1 & 2 SHUT DOWN ON
AHU-2-003	2/C #16	T-002,T-012,T-006A,	AIR HANDLING UNIT AHU-2	EXISTING FIRE ALARM PANEL	600V TECK 90	FIRE ALARM ACTIVATION
LT-3-001	6/C #16	T-016,T-001A,T-001,T-008,T-009,T-009A, T-009B,T-0011D,t-006A,T-007	Transformer LT-3	UV MASTER PLC	600V TECK 90	Transformer LT-3 - High and High-High temperature alarms