



DARTMOUTH & SYDNEY, NOVA SCOTIA

DRAWING 001-220-E-3006



| PANEL SCHEDULE | | | | | | | | | |
|----------------------------------|---------|----------|-------------|--------------|----------------------|-------------------|------|--|--|
| BUS CAPACITY | VOLTAGE | PHASE | SPACE | MAIN BREAKER | LOCATION | PANEL DESCRIPTION | | | |
| 200A | 600V | 3ø, 3W | 23 | 200A | NEW ELECTRICAL BLDG. | A1 | | | |
| DESCRIPTION | LOAD | CCT. NO. | PHASE A B C | | | CCT. NO. | LOAD | DESCRIPTION | |
| 75kVA, 600V-208/120V TRANSFORMER | | 1 | 90A | | | 2 | | | |
| | | 3 | | | | 4 | | SPACE | |
| | | 5 | | | | 6 | | | |
| SPACE | | 7 | | | | 8 | | | |
| SPACE | | 9 | | | | 10 | | FEEDER TO EXISTING ELECTRICAL BUILDING | |
| SPACE | | 11 | | | | 12 | | | |
| SPACE | | 13 | | | | 14 | | SPACE | |
| SPACE | | 15 | | | | 16 | | SPACE | |
| SPACE | | 17 | | | | 18 | | SPACE | |
| SPACE | | 19 | | | | 20 | | SPACE | |
| SPACE | | 21 | | | | 22 | | SPACE | |
| SPACE | | 23 | | | | 24 | | SPACE | |

| PANEL SCHEDULE | | | | | | | | | |
|----------------|----------|----------|-------------|--------------|---------------------------|-------------------|------|-------------|--|
| BUS CAPACITY | VOLTAGE | PHASE | SPACE | MAIN BREAKER | LOCATION | PANEL DESCRIPTION | | | |
| 400A | 208/120V | 3ø, 4W | 23 | 400A | EXISTING ELECTRICAL BLDG. | B1 | | | |
| DESCRIPTION | LOAD | CCT. NO. | PHASE A B C | | | CCT. NO. | LOAD | DESCRIPTION | |
| PANEL B2 | | 1 | 200A | | | 2 | | | |
| | | 3 | | | | 4 | | | |
| | | 5 | | | | 6 | | | |
| | | 7 | | | | 8 | | PANEL B3 | |
| | | 9 | | | | 10 | | | |
| | | 11 | | | | 12 | | | |
| SPACE | | 13 | | | | 14 | | SPACE | |
| SPACE | | 15 | | | | 16 | | SPACE | |
| SPACE | | 17 | | | | 18 | | SPACE | |
| SPACE | | 19 | | | | 20 | | SPACE | |
| SPACE | | 21 | | | | 22 | | SPACE | |
| SPACE | | 23 | | | | 24 | | SPACE | |

| PANEL SCHEDULE | | | | | | | | | |
|--------------------------------|----------|----------|-------------|--------------|----------------------|-------------------|------|---------------------------------|--|
| BUS CAPACITY | VOLTAGE | PHASE | SPACE | MAIN BREAKER | LOCATION | PANEL DESCRIPTION | | | |
| 400A | 208/120V | 3ø, 4W | 42 | 250AT | NEW ELECTRICAL BLDG. | A2 | | | |
| DESCRIPTION | LOAD | CCT. NO. | PHASE A B C | | | CCT. NO. | LOAD | DESCRIPTION | |
| ELECTRICAL HEATER 1000W HEATER | | 1 | 15A | | | 2 | | ELECTRICAL BUILDING LIGHTING | |
| | | 3 | 15A | | | 4 | | ELECTRICAL BUILDING RECEPTACLES | |
| FLOATING WHARF LIGHTING | | 5 | 15A | | | 6 | | FINGER 1 LIGHTING | |
| FLOATING WHARF LIGHTING | | 7 | 15A | | | 8 | | FINGER 2 LIGHTING | |
| POLE PF-1 LIGHTING | | 9 | 20A | | | 10 | | SPARE | |
| FUTURE TO FLOATING WHARF | | 11 | 20A | | | 12 | | FUTURE TO FLOATING WHARF | |
| FUTURE TO FLOATING WHARF | | 13 | 20A | | | 14 | | FUTURE TO FLOATING WHARF | |
| FUTURE TO FLOATING WHARF | | 15 | 20A | | | 16 | | FUTURE TO FLOATING WHARF | |
| POWER CENTRE B3 | | 17 | 30A | | | 18 | | POWER CENTRE B4 | |
| POWER CENTRE B3 | | 19 | 30A | | | 20 | | POWER CENTRE B4 | |
| POWER CENTRE B5 | | 21 | 20A | | | 22 | | SPARE | |
| POWER CENTRE B5 | | 23 | 30A | | | 24 | | SPARE | |
| SPARE | | 25 | 20A | | | 26 | | SPARE | |
| SPARE | | 27 | 20A | | | 28 | | SPARE | |
| SPARE | | 29 | 20A | | | 30 | | SPARE | |
| SPARE | | 31 | 20A | | | 32 | | SPARE | |
| SPARE | | 33 | 20A | | | 34 | | SPARE | |
| | | 35 | | | | 36 | | | |
| | | 37 | | | | 38 | | | |
| | | 39 | | | | 40 | | | |
| | | 41 | | | | 42 | | | |

| PANEL SCHEDULE | | | | | | | | | |
|--------------------------------|----------|----------|-------------|--------------|---------------------------|-------------------|------|---------------------------------|--|
| BUS CAPACITY | VOLTAGE | PHASE | SPACE | MAIN BREAKER | LOCATION | PANEL DESCRIPTION | | | |
| 225A | 208/120V | 3ø, 4W | 42 | -- | EXISTING ELECTRICAL BLDG. | B2 | | | |
| DESCRIPTION | LOAD | CCT. NO. | PHASE A B C | | | CCT. NO. | LOAD | DESCRIPTION | |
| ELECTRICAL HEATER 1000W HEATER | | 1 | 15A | | | 2 | | ELECTRICAL BUILDING LIGHTING | |
| | | 3 | 15A | | | 4 | | ELECTRICAL BUILDING RECEPTACLES | |
| STATION A1 RECEPTACLE | | 5 | 50A | | | 6 | | STATION A2 RECEPTACLE | |
| | | 7 | 30A | | | 8 | | | |
| | | 9 | 30A | | | 10 | | | |
| STATION A1 RECEPTACLE | | 11 | | | | 12 | | STATION A2 RECEPTACLE | |
| STATION A1 RECEPTACLE (GFCI) | | 13 | 15A | | | 14 | | STATION A2 RECEPTACLE (GFCI) | |
| STATION A1 RECEPTACLE (GFCI) | | 15 | 15A | | | 16 | | STATION A2 RECEPTACLE (GFCI) | |
| STATION A1 LIGHTING | | 17 | 15A | | | 18 | | SPARE | |
| | | 19 | 50A | | | 20 | | | |
| STATION A3 RECEPTACLE | | 21 | | | | 22 | | STATION A4 RECEPTACLE | |
| | | 23 | 30A | | | 24 | | | |
| | | 25 | 30A | | | 26 | | | |
| STATION A3 RECEPTACLE | | 27 | 15A | | | 28 | | STATION A4 RECEPTACLE (GFCI) | |
| STATION A3 RECEPTACLE (GFCI) | | 29 | 15A | | | 30 | | STATION A4 RECEPTACLE (GFCI) | |
| STATION A3 LIGHTING | | 31 | 15A | | | 32 | | STATION A4 LIGHTING | |
| SPARE | | 33 | 20A | | | 34 | | SPARE | |
| SPARE | | 35 | 20A | | | 36 | | SPARE | |
| SPARE | | 37 | 20A | | | 38 | | SPARE | |
| SPARE | | 39 | 20A | | | 40 | | SPARE | |
| SPARE | | 41 | 20A | | | 42 | | SPARE | |

| PANEL SCHEDULE | | | | | | | | | |
|------------------------------|----------|----------|-------------|--------------|---------------------------|-------------------|------|------------------------------|--|
| BUS CAPACITY | VOLTAGE | PHASE | SPACE | MAIN BREAKER | LOCATION | PANEL DESCRIPTION | | | |
| 225A | 208/120V | 3ø, 4W | 42 | -- | EXISTING ELECTRICAL BLDG. | B3 | | | |
| DESCRIPTION | LOAD | CCT. NO. | PHASE A B C | | | CCT. NO. | LOAD | DESCRIPTION | |
| STATION A5 RECEPTACLE | | 1 | 50A | | | 2 | | STATION A6 RECEPTACLE | |
| | | 3 | | | | 4 | | | |
| STATION A5 RECEPTACLE | | 5 | 30A | | | 6 | | STATION A6 RECEPTACLE | |
| | | 7 | | | | 8 | | | |
| STATION A5 RECEPTACLE (GFCI) | | 9 | 15A | | | 10 | | STATION A6 RECEPTACLE (GFCI) | |
| STATION A5 RECEPTACLE (GFCI) | | 11 | 15A | | | 12 | | STATION A6 RECEPTACLE (GFCI) | |
| SPARE | | 13 | 20A | | | 14 | | STATION A6 LIGHTING | |
| | | 15 | 50A | | | 16 | | | |
| STATION A7 RECEPTACLE | | 17 | | | | 18 | | STATION A8 RECEPTACLE | |
| | | 19 | 30A | | | 20 | | | |
| | | 21 | 30A | | | 22 | | STATION A8 RECEPTACLE | |
| STATION A7 RECEPTACLE (GFCI) | | 23 | 15A | | | 24 | | STATION A8 RECEPTACLE (GFCI) | |
| STATION A7 RECEPTACLE (GFCI) | | 25 | 15A | | | 26 | | STATION A8 RECEPTACLE (GFCI) | |
| SPARE | | 27 | 20A | | | 28 | | STATION A8 LIGHTING | |
| | | 29 | 30A | | | 30 | | | |
| WINCH | | 31 | | | | 32 | | WINCH | |
| | | 33 | 30A | | | 34 | | | |
| | | 35 | 20A | | | 36 | | STATION A8 RECEPTACLE/WINCH | |
| POWER STATION B1 | | 37 | 20A | | | 38 | | POWER STATION B2 | |
| POWER STATION B1 | | 39 | 30A | | | 40 | | POWER STATION B2 | |
| SPARE | | 41 | 15A | | | 42 | | SPARE | |

BILL OF MATERIAL

| ITEM NO. | QTY. | DESCRIPTION (OR EQUAL) |
|----------|----------|--|
| 1 | 1 | PANELBOARD (A1), 200A, 600V, 3ø, 3W, 24 CIRCUIT, SURFACE MOUNT, COPPER BUS, NEUTRAL, GROUND BUS CUTLER HAMMER CAT No. P3øB3C2-23FD200, C/W 200A TYPE FD MAIN CIRCUIT BREAKER AND THE FOLLOWING BRANCH CIRCUIT BREAKERS; TYPE FD: 1x250AF, 150AT-3P; TYPE GBH: 1x90A-3P |
| 2 | 1 | PANELBOARD (A2), 400A, 208/120V, 3ø, 4W, 42 CIRCUIT, SURFACE MOUNT, COPPER BUS, NEUTRAL, GROUND BUS CUTLER HAMMER CAT No. P2øT4C4-42KD250, C/W 250A TYPE KD MAIN CIRCUIT BREAKER AND THE FOLLOWING BRANCH CIRCUIT BREAKERS; TYPE GBH: 7x15A-1P, 1x15A-2P, 22x20A-1P, 3x30A-1P |
| 3 | 1 | PANELBOARD (B1), 400A, 208/120V, 3ø, 4W, 24 CIRCUIT, SURFACE MOUNT, COPPER BUS, NEUTRAL, GROUND BUS CUTLER HAMMER CAT No. P3øB4C4-23KD400, C/W 400A TYPE KD MAIN CIRCUIT BREAKER AND THE FOLLOWING BRANCH CIRCUIT BREAKERS; TYPE FD: 2x200A-3P |
| 4 | 1 | PANELBOARD (B2), 225A, 208/120V, 3ø, 4W, 42 CIRCUIT, SURFACE MOUNT, COPPER BUS, NEUTRAL, GROUND BUS CUTLER HAMMER CAT No. P2øL4C4-42, C/W THE FOLLOWING BRANCH CIRCUIT BREAKERS; TYPE GBH: 4x50A-2P, 4x30A-2P, 1x15A-2P, 11x20A-1P, 5x15A-1P; TYPE QBGF: 8x15A-1P |
| 5 | 1 | PANELBOARD (B3), 225A, 208/120V, 3ø, 4W, 42 CIRCUIT, SURFACE MOUNT, COPPER BUS, NEUTRAL, GROUND BUS CUTLER HAMMER CAT No. P2øL4C4-42, C/W THE FOLLOWING BRANCH CIRCUIT BREAKERS; TYPE GBH: 5x50A-2P, 7x30A-2P, 2x30A-1P, 4x20A-1P, 4x15A-1P; TYPE QBGF: 8x15A-1P |
| 6 | 1 | DRY TYPE GENERAL PURPOSE TRANSFORMER, 75kVA, THREE PHASE, 600V PRIMARY, 208/120V SECONDARY, 60 HZ, DELTA - WYE, TYPE ANN, 150°C TEMP. RISE, INSULATION CLASS 220, COPPER WINDINGS, NEMA 1 ENCLOSURE, DELTA CAT. No. CD3C0075VH6X8YBA |
| 7 | 1 | DRY TYPE GENERAL PURPOSE TRANSFORMER, 150kVA, THREE PHASE, 600V PRIMARY, 208/120V SECONDARY, 60 HZ, DELTA - WYE, TYPE ANN, 150°C TEMP. RISE, INSULATION CLASS 220, COPPER WINDINGS, NEMA 1 ENCLOSURE, DELTA CAT. No. CD3C0150VH6X8YBA |
| 8 | 3 | BASEBOARD HEATER, 1000W, 208V, DIMPLEX CAT. No. AS8F410-21-68-A2-S C/W DOUBLE POLE BUILT-IN THERMOSTAT |
| 9 | 3 | PHILIPS DAY BRITE INDUSTRIAL WET LOCATION LED (TYPE A), 4300 LUMEN, 4000K, 120V, ACRYLIC LENS, PHILIPS CAT. No. DWAE43L8404UNV |
| 10 | 2 | SPST TOGGLE SWITCH, 15A, 125Vdc, EXTRA HEAVY DUTY INDUSTRIAL SERIES, BROWN, HUBBELL CAT. No. HBL1201, MOUNTED IN A SURFACE MOUNTED FD BOX C/W HUBBELL ALUMINUM COVERPLATE CAT. No. SA1. |
| 11 | 5 | DUPLEX RECEPTACLE, 15A, 125Vdc, EXTRA HEAVY DUTY SPECIFICATION GRADE, BROWN, CSA TYPE 5-15R, HUBBELL CAT. No. HBL-5262, MOUNTED IN A SURFACE MOUNTED FD BOX C/W HUBBELL ALUMINUM COVERPLATE CAT. No. SA8 |
| 12 | 5 | SINGLE TWISTLOCK RECEPTACLE, 20A, 125Vdc, 2 POLE, 3 WIRE, CORROSION RESISTANT, CSA L5-20R, WITH SINGLE POLYCARBONATE FLIP LID COVERPLATE, WOODHEAD CAT No. 130147-0141, MOUNTED IN A YELLOW, SINGLE GANG, GLASS FILLED POLYESTER FD BOX, WOODHEAD CAT No. 130128-0119 |
| 13 | 5 | IN-LINE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI), 20A, 125V, HUBELL CAT No. GFM20 MOUNTED IN A YELLOW, SINGLE-GANG, GLASS-FILLED POLYESTER FD BOX HUBBELL CAT No. HBL60CMB4 C/W COVERPLATE KILLARK CAT No. FCL-GF AND A 25mm PVC THREADED UNION, WOODHEAD CAT No. 464 FOR CONNECTION TO SINGLE RECEPTACLE FD BOX. |
| 14 | 5 | SINGLE TWISTLOCK RECEPTACLE, 30A, 125Vdc, 2 POLE, 3 WIRE, CORROSION RESISTANT, CSA L5-30R, WITH SINGLE POLYCARBONATE FLIP LID COVERPLATE, WOODHEAD CAT No. 130147-0168, MOUNTED IN A YELLOW, SINGLE GANG, GLASS FILLED POLYESTER FD BOX, WOODHEAD CAT No. 130128-0119 |
| 15 | 2 | LIGHTING CONTACTOR, (C1), ELECTRICALLY HELD, 20A, 8 POLE, 120Vdc, WITH 120Vdc COIL, ALLEN BRADLEY CAT. No. 100L-C20NDB, C/W ONE ONLY HAND-OFF-AUTO SELECTOR SWITCH, ALLEN BRADLEY CAT. No. 800H-JR2B WITH LEGEND PLATE, "HAND-OFF-AUTO" MOUNTED ON ENCLOSURE DOOR |
| 16 | 2 | PHOTOCCELL, 125V, 16.5A, CONDUIT WIRE, PARAGON MODEL No. CW201-00 C/W POLYCARBONATE ENCLOSURE AND SWIVEL BASE |
| 17 | 4 | KELLEMS SUPPORT GRIP, CLOSED MESH, OFFSET EYE, SINGLE WEAVE, STAINLESS STEEL, WOODHEAD CAT No. 35064SS, FOR SUPPORT OF TYPE SOWW CABLE AT FLOATING DOCK. |
| 18 | 6 | KILLARK VSL VAPOUR TIGHT LED GLOBE FIXTURE, 120V, 3/4" HUB SIZE, CLEAR POLYCARBONATE GLOBE LENS, KILLARK CAT. No. VSL1630W2PN |
| 19 | 11 | JUNCTION BOX, 200mmx200mmx125mm, PVC, NEMA 4X, IPEX CAT. No. JBX664 |
| 20 | 4 | LUMINAIRE, TYPE III ROADWAY LIGHTING, 120Vdc, 140W LED, 700mA DRIVER, GRAY CORROSION RESISTANT FINISH, AEL CAT No. ATB260BLEDE70120R3CR, C/W CAST ALUMINUM BRACKET, HOLOPHANE CAT No. 0877. |
| 21 | AS REQ'D | BIRD DETERENT SPIKES, STAINLESS STEEL RODS WITH BLUNTED ENDS, UV POLYCARBONATE BASE, WIDE OR XTRA-WIDE DESIGN, C/W BIRD BARRIER BOND FOR GLUING TO SURFACE AS REQUIRED. REFER TO BIRD BARRIER AMERICA INC. PRODUCT (EAST). TOLL FREE #(800)662-4737 FOR SUPPLY AND INSTALLATION REQUIREMENTS. |
| 22 | 4 | JUNCTION BOX, PVC MOLDED, OCTAGON, IPEX PART No. 0B15/10, PRODUCT CODE No. 77983, C/W GASKET, COVERPLATE AND STAINLESS STEEL SCREWS. |
| 23 | 1 | JUNCTION BOX, STAINLESS STEEL, NEMA 4X, 900mmx600mmx150mm W/ QUARTER TURN COVER, EUROBOX CAT. No. ESSQT362406 |
| 24 | AS REQ'D | TECK CONNECTOR, PVC COATED ALUMINUM, THOMAS AND BETTS STAR TECK SERIES |
| 25 | AS REQ'D | HI-FLEX LIQUIDTIGHT FLEXIBLE HEAVY DUTY METAL CONDUIT, TYPE HLT, THOMAS & BETTS HLT050 C/W STAINLESS STEEL FITTING AS REQUIRED |

| REV. | DESCRIPTION | DATE |
|------|-------------------------------|--------------|
| 1 | ADDED EDRM AND PROJECT NUMBER | NOV. 13 2015 |
| 0 | ISSUED FOR TENDER | NOV. 13 2015 |
| C | GENERAL REVISION | NOV. 5 2015 |
| B | ISSUED FOR CLIENT REVIEW | OCT. 16 2015 |
| A | ISSUED FOR CLIENT REVIEW | MAY 28 2015 |

FALLS POINT ELECTRICAL UPGRADE PHASE 2
SHELburne COUNTY, NOVA SCOTIA

PANEL SCHEDULES AND BILL OF MATERIAL

designed F. FAHEY
date FEB 2015
drawn M. SHEPPARD
date FEB 2015
approved [Signature]
date 2015-11-15
Tender [Signature]
PWSC Project Manager / Administrateur de projets TPSC
project number R.071175.001
drawing no. E6