

LEGEND	
SYMBOL	DESCRIPTION
	LINEAR SOURCE LIGHT FIXTURE - CEILING MOUNT
	NL= UNSWITCHED NIGHT LIGHT
	POINT SOURCE LIGHT FIXTURE - SURFACE/WALL MOUNT
	3=3WAY D=DIMMER K=KEYED T=TIMELOCK
	DUPLEX RECEPTACLE *-COUNTER HEIGHT
	DUPLEX RECEPTACLE WP=WEATHERPROOF
	208V RECEPTACLE
	MICROWAVE RECEPTACLE
	5-20R RECEPTACLE
	5-20R GFI RECEPTACLE
	JUNCTION BOX
	NORMAL POWER PANEL AS INDICATED
	MOTOR
	DISCONNECT SWITCH
	REMOTE "ON-OFF" MOTOR CONTROL
	EMERGENCY BATTERY UNIT C/W LIGHTING HEADS
	REMOTE EMERGENCY LIGHTS, SINGLE & DOUBLE
	COMBINATION EXIT SIGN EMERGENCY BATTERY UNIT WITH HEADS
	EXIT LIGHT - SURFACE/WALL MOUNT SHADING INDICATES LIT FACE
	STRUCTURED WIRING OUTLET; N=NUMBER OF DROPS IF NO NUMBER SHOWN, PROVIDE 2 DROPS
	HEATER B=BASEBOARD F=FORCE FLOW
	TWO COMPARTMENT PAC POLE

1 ELECTRICAL SITE PLAN
1/32"=1'-0"

3 SINGLE LINE DIAGRAM
1/8"=1'-0"

DIVISION 16 GENERAL REQUIREMENTS

- 1.1. GENERAL
 - 1.1.1. ALL INSTALLATIONS ARE TO COMPLY WITH THE CANADIAN ELECTRICAL CODE, THE NATIONAL BUILDING CODE AND THE REQUIREMENTS OF THE LOCAL INSPECTION AUTHORITY HAVING JURISDICTION.
 - 1.1.2. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY LOCAL AUTHORITIES.
 - 1.1.3. THE CONTRACTOR IS TO SUBMIT TO THE LOCAL INSPECTION DEPARTMENT, THE REQUIRED NUMBER OF DRAWING SETS AND SHALL INCLUDE IN THIS TENDER ALL COSTS FOR DRAWING PRINTS, PLAN REVIEWS, PERMIT COSTS AND SURVEYS.
 - 1.1.4. THE ENGINEER OF ANY CHANGES REQUESTED BY THE LOCAL INSPECTION AUTHORITY HAVING JURISDICTION PRIOR TO MAKING SAID CHANGES.
 - 1.1.5. THE WORD "PROVIDE" REFERS TO THE SUPPLY, DELIVERY AND INSTALLATION OF DEVICE OR EQUIPMENT REFERENCED TO THE LEVEL REQUIRED TO BE COMPLETE AND OPERATIONAL.
 - 1.1.6. CONTRACTOR IS TO EXAMINE THE SITE PRIOR TO SUBMITTING TENDER. NO EXTRAS WILL BE GRANTED FOR WORK THAT WOULD HAVE BEEN EVIDENT UPON A THOROUGH INVESTIGATION OF THE SITE.
 - 1.1.7. REFERENCES:
 - 1.1.7.1. CANADIAN STANDARDS ASSOCIATION (CSA): CSA C22.1-15, CANADIAN ELECTRICAL CODE, PART 1, SAFETY STANDARD FOR ELECTRICAL INSTALLATIONS.
 - 1.1.8. ABBREVIATIONS:
 - 1.1.8.1. NEMA - NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
 - 1.1.8.2. UL - UNDERWRITERS LABORATORIES OF CANADA
 - 1.1.8.3. EIMAC - ELECTRICAL EQUIPMENT MANUFACTURER'S ASSOCIATION OF CANADA
 - 1.1.8.4. CEMA - CANADIAN ELECTRICAL MANUFACTURER'S ASSOCIATION
 - 1.1.8.5. NBC - NATIONAL BUILDING CODE
 - 1.2. MATERIALS AND WORKMANSHIP
 - 1.2.1. ALL ELECTRICAL EQUIPMENT, MATERIALS AND SYSTEMS SPECIFIED AND SHOWN ON THE DRAWINGS SHALL BE CERTIFIED BY A STANDARDS DEVELOPMENT ORGANIZATION ACCREDITED WITH THE STANDARDS COUNCIL OF CANADA (SCC).
 - 1.2.2. AT ALL TIMES DURING WORK IN PROGRESS, THE CONTRACTOR SHALL KEEP A COMPETENT FOREMAN AND TRADESMEN QUALIFIED FOR WORK IN THE PROVINCE OR TERRITORY OF THE PROJECT LOCATION. ALL WORKERS ON THE SITE ARE TO BE SATISFACTORY TO THE ENGINEER.
 - 1.2.3. WHERE THE INTENT OF THE DRAWINGS OR SPECIFICATIONS IS NOT CLEAR, THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE ENGINEER. THE CONTRACTOR IS TO MAKE CORRECTIONS TO WORK PERFORMED CONTRARY TO THE INTENT OF THE DRAWINGS OR SPECIFICATIONS AND IS TO BEAR ALL COSTS FOR MAKING SAID CORRECTIONS.
 - 1.2.4. THE CONTRACTOR IS TO COORDINATE ALL WORK DESCRIBED BY THESE DRAWINGS AND SPECIFICATIONS WITH THAT OF OTHER TRADES WORKING ON THE SITE SO AS TO NOT HOLD UP THE PROGRESS OF OTHER TRADES.
 - 1.3. CUTTING, PATCHING, EXCAVATION & BACKFILLING
 - 1.3.1. CONTRACTOR TO BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND ASSOCIATED COSTS RELATED TO THE WORK OF THIS CONTRACT.
 - 1.3.2. ALL PENETRATIONS OF FIRE RATED ASSEMBLIES ARE TO BE SEALED WITH AN APPROVED FIRE STOP CAULKING OR SEALANT.
 - 1.4. SUBMITTALS
 - 1.4.1. SUBMIT SHOP DRAWINGS TO CONSULTANT FOR REVIEW. DO NOT PROCEED WITH WORK AFFECTED BY SUBMITTAL UNTIL REVIEW IS COMPLETE.
 - 1.4.2. SHOP DRAWINGS SHALL CLEARLY INDICATE DETAILS OF MATERIALS FABRICATION, LAYOUT, DIMENSIONS, CAPACITIES, PERFORMANCE CHARACTERISTICS, CERTIFICATION STANDARDS, WEIGHT, WIRING DIAGRAMS AND OTHER PERTINENT INFORMATION.
 - 1.4.3. PROVIDE RECORD DRAWINGS TO THE OWNER AT COMPLETION OF WORK. THE CONTRACTOR IS TO MAINTAIN A DAILY RECORD OF REVISIONS AND ADDITIONS TO THE ORIGINAL WORK. ALL MARKINGS ARE TO BE DONE NEATLY IN A COLOUR OTHER THAN GRAY PENCIL.
 - 1.4.4. AT THE END OF PROJECT, THE CONTRACTOR SHALL PROVIDE OWNER WITH AN OPERATIONS AND MAINTENANCE MANUAL WHICH SHALL INCLUDE: - INDEX OF CONTENTS - HARD PAPER DIMERS BETWEEN SECTIONS - LIST OF SUPPLIERS WITH ADDRESSES, PHONE NUMBERS AND CONTACTS - CONTRACTOR'S WARRANTY - ALL CERTIFICATIONS INCLUDING INSPECTION DEPARTMENT CERTIFICATES, FIRE ALARM VERIFICATION CERTIFICATES AND ANY OTHER REQUIRED APPROVALS - ALL SHOP DRAWINGS SEPARATED BY SECTIONS - DESCRIPTION OF SYSTEM OPERATIONS - ALL MANUFACTURER'S OPERATING AND MAINTENANCE INFORMATION FOR EACH RELEVANT PIECE OF EQUIPMENT - SPARE PARTS LISTING MANUALS ARE TO BE COMPILED AND PRESENTED AS DEFINED WITHIN THE GENERAL CONDITIONS OF THIS CONTRACT.
 - 1.5. TESTING
 - 1.5.1. THE RESULTS OF ALL TESTS ARE TO BE PROVIDED TO THE ENGINEER IN WRITTEN FORM.
 - 1.5.2. PERFORM TESTS ON ALL EQUIPMENT AS RECOMMENDED BY THE MANUFACTURER.
 - 1.5.3. FIRE ALARM VERIFICATION TO MEET CAN/ULC-5537. COORDINATE VERIFICATION OF AREAS WITH BUILDING OWNER AND OCCUPANT.
 - 1.6. WARRANTY
 - 1.6.1. THE CONTRACTOR IS TO PROVIDE A WRITTEN WARRANTY GUARANTEEING THAT THE WORK PERFORMED WILL BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AND THAT ANY DEFECTIVE WORK OR MATERIAL WILL BE REPAIRED OR REPLACED WITHOUT COST TO THE OWNER DURING THIS PERIOD PROVIDED THAT SUCH FAILURES ARE NOT DUE TO IMPROPER USAGE OR NEGLIGENCE.
 - 1.6.2. THE WARRANTY SHALL STATE THAT THE PERIOD OF GUARANTEE WILL IN NO WAY SUPPLANT ANY OTHER GUARANTEE OF A LONGER PERIOD.

2. PRODUCTS AND EXECUTION

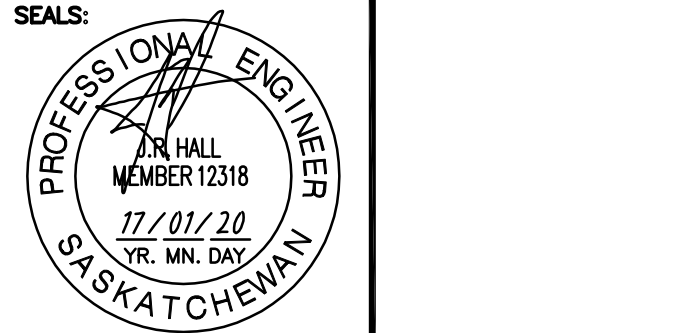
- 2.1. WIRING & CONDUIT
 - 2.1.1. ALL BUILDING WIRING TO BE COPPER R90 INSTALLED IN EMT CONDUIT (MIN 21mm) EXCEPT WHERE OTHERWISE INDICATED. MINIMUM CONDUCTOR SIZE OF #12 AWG.
 - 2.1.2. ARMoured CABLE (AC90, BX) WILL ONLY BE ALLOWED FOR DROPS TO LIGHTING FIXTURES WITHIN SUSPENDED CEILINGS. ENSURE THAT ALL CONDUIT IS DRY PRIOR TO WIRING INSTALLATION. SEAL ALL CONDUIT THAT MAY BECOME EXPOSED TO MOISTURE. FILL BOXES WITH PAPER, SPONGES OR FOAM OR SIMILAR APPROVED MATERIAL TO PREVENT ENTRY OF DEBRIS DURING CONSTRUCTION. REMOVE UPON COMPLETION OF WORK.
 - 2.1.3. RUN CONDUIT PARALLEL TO BUILDING LINES EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
 - 2.1.4. DO NOT CUT STRUCTURAL MEMBERS EXCEPT WHERE SPECIFICALLY INDICATED.
 - 2.2. WIRING DEVICES & FIXTURES
 - 2.2.1. SWITCHES TO BE 20AMP, 120V, SUITABLE FOR #10 WIRING, SINGLE POLE, DOUBLE POLE, THREE-WAY OR FOUR-WAY AS INDICATED ON DRAWINGS. HUBBELL 1201 SERIES OR LEVITON 1200 SERIES.
 - 2.2.2. DUPLEX RECEPTACLES TO HAVE CSA 5-15R PATTERN, 125V, 15A, U-GROUND, SUITABLE FOR #10 WIRING, BREAK-OFF LINKS FOR SPLIT RECEPTACLE CONNECTION, HUBBELL 52RZ SERIES OR LEVITON 52RZ SERIES.
 - 2.2.3. GROUND FAULT CIRCUIT INTERRUPTER (GFCI) RECEPTACLES SHALL BE CLASS A, 120 VOLT, 15 AMP UNLESS OTHERWISE NOTED. EXTERIOR GFCI RECEPTACLES SHALL HAVE INTEGRAL INDICATOR LED.
 - 2.2.4. SPECIAL RECEPTACLES OF AMPACITY AND TYPE AS NOTED ON THE DRAWINGS.
 - 2.2.5. PLATE COVERS TO BE STAINLESS STEEL UNLESS OTHERWISE NOTED.
 - 2.2.6. PROVIDE LIGHT FIXTURES AS INDICATED ON THE FIXTURE SCHEDULE. FIXTURES ARE TO BE COMPLETE WITH ALL TERMINATIONS, BALLASTS AND LAMPS AND ARE TO BE LEFT CLEAN AT PROJECT COMPLETION.
 - 2.2.7. FLUORESCENT BALLASTS SHALL HAVE VOLTAGE AS INDICATED, POWER FACTOR GREATER THAN 0.9, BALLAST FACTOR GREATER THAN OR EQUAL TO 88%, THD 10%. BALLASTS SHALL BE MOUNTED INTEGRAL WITH LUMINAIRE. OSRAM SYLVANIA QUICKTRONIC PRO QTP X 32T/SN OR EQUIVALENT.
 - 2.2.8. FLUORESCENT LAMPS SHALL BE INSTANT START, WITH LAMP COLOUR OF 4100K UNLESS INDICATED OTHERWISE ON FIXTURE SCHEDULE, AND CRI GREATER THAN OR EQUAL TO 85.
 - 2.2.9. SURGE PROTECTION RECEPTACLES SHALL BE 15 AMP WITH EM AND RFI FILTERING.
 - 2.2.10. FLOOR BOXES SHALL INCLUDE ELECTRICAL AND TELECOMMUNICATIONS BOXES IN ONE HOUSING. COVER SHALL SIT FLUSH WITH FLOORING. HUBBELL 35FSS OR EQUIVALENT.
 - 2.2.11. INDOOR SERVICE POLES: EXTRUDED ALUMINUM, 4820 MM LENGTH, SATIN ALUMINUM FINISH, SQUARE, SCUFF BOOT AT BOTTOM. DIMENSIONS: APPROX 30x50 MM. BARRIER IN POLES TO SEPARATE POWER AND COMMUNICATIONS WIRING. COMPLETE WITH QUANTITY OF RECEPTACLES AND STRUCTURED WIRING OUTLETS AS INDICATED ON THE DRAWINGS.
 - 2.3. IDENTIFICATION
 - 2.3.1. LABEL ALL STARTERS, PANELS, MOTOR DISCONNECTS, SWITCHES (EXCEPT FOR STANDARD TYPE) AND SPECIAL EQUIPMENT WITH PERMANENTLY ATTACHED, LAMACOD LABELS INDICATING RELEVANT INFORMATION. LABELS TO HAVE WHITE 13.5 MM LETTERING ON BLACK BACKGROUND.
 - 2.3.2. LABEL RECEPTACLES WITH EMBOSSED PLASTIC LABELS WITH 6mm HIGH LETTERS.
 - 2.4. GROUNDING
 - 2.4.1. PROVIDE ALL GROUNDING INSTALLATIONS NECESSARY TO MEET THE REQUIREMENTS OF THE CURRENT CANADIAN ELECTRICAL CODE AND ANY ADDITIONAL REQUIREMENTS INDICATED ON THESE DRAWINGS OR SPECIFICATIONS.
 - 2.5. DISTRIBUTION PANEL BOARDS
 - 2.5.1. SUBMIT SHOP DRAWINGS FOR DISTRIBUTION PANEL BOARDS IN ACCORDANCE WITH SUBMITTALS.
 - 2.5.2. 120/208V: 250V WITH BUS RATED FOR CONTINUOUS CURRENT AS INDICATED ON SCHEDULE AND 25,000 AMPS FAULT WITHSTAND CAPACITY. SEQUENCE STYLE COPPER BUSSESS WITH 000 NUMBERED BREAKERS ON THE LEFT AND EVEN ON THE RIGHT WITH EACH CIRCUIT IDENTIFIED BY PERMANENT IDENTIFICATION AS TO THE CIRCUIT NUMBER. LOCKING PANEL DOOR WITH TWO KEYS FOR EACH PANEL. CUTLER-HAMMER POW-IN-LINE 1 OR SQUARE D TYPE NOOB.
 - 2.5.3. BREAKERS SHALL BE BOLT-IN STYLE WITH RATING AND POLES AS INDICATED ON PANEL SCHEDULE.
 - 2.6. MOTOR STARTERS
 - 2.6.1. MANUAL MOTOR STARTERS: SINGLE OR THREE PHASE AND SUITABLE FOR RATING INDICATED ON MOTOR SCHEDULE. QUICK MAKE AND BREAK SWITCHING MECHANISM, OVERLOAD HEATERS, MANUAL RESET AND TRIP INDICATING HANDLE. TO INCLUDE RED PILOT LIGHT AND PROVISION FOR LOCKING IN THE ON OR OFF POSITIONS.
 - 2.6.2. FULL VOLTAGE MAGNETIC STARTERS: MAGNETIC AND COMBINATION MAGNETIC STARTERS OF SIZE, TYPE, RATING AND ENCLOSURE TYPE AS INDICATED ON DRAWINGS. SOLENOID OPERATED CONTRACTOR POWER AND CONTROL TERMINALS. H-O-A SWITCH IN COVER. ADJUSTABLE ELECTRONIC OVERLOAD DEVICES WITH NON-THERMAL TYPE CURRENT SENSING, 3:1 CURRENT RANGE ADJUSTMENT, PHASE UNBALANCE AND PHASE LOSS PROTECTION, VISIBLE TRIP INDICATION. COMBINATION STARTERS TO INCLUDE MOTOR CIRCUIT INTERRUPTER CIRCUIT BREAKER WITH OPERATING LEVER ON THE OUTSIDE OF THE ENCLOSURE AND PROVISION FOR LOCKING IN THE ON OR OFF POSITIONS. INCLUDE RED LED LIGHT ON OUTSIDE OF ENCLOSURE AND TWO SETS OF NO AND NC AUXILIARY CONTACTS.

2.7. EMERGENCY LIGHTING & EXIT SIGNS

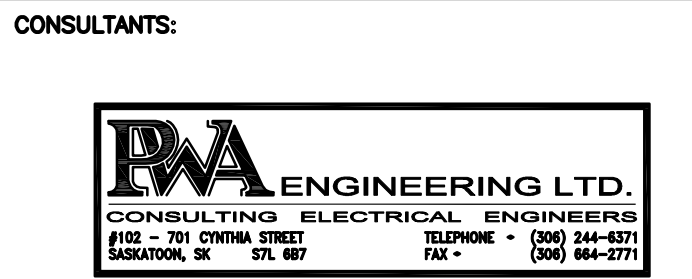
- 2.7.1. STANDARD ENCLOSURE: EMERGENCY LIGHTING BATTERY PACKS TO INCLUDE 10 YEAR LIFE, SEALED LEAD ACID BATTERIES, AUTOMATIC CHARGER AND TRANSFER SWITCH. SELF-TESTING C/W TEST INDICATING LEADS, 120 VAC INPUT, 24 VDC OUTPUT, MINIMUM WATTAGE = 144 WATTS FOR 30 MINUTES. INTEGRAL DOUBLE 4 WATT, LED IRV'S LIGHTING HEADS. LUMACELL R9S OR EQUAL. PROVIDE REMOTE HEADS AS REQUIRED - MINIMUM #10 AWG WIRE. EMERGENCY LIGHTING BALLASTS: NICKEL CADMIUM BATTERY PACK WITH CHARGER AND CHARGING CIRCUITRY, WITH ENERGY CAPACITY TO SUPPLY 2 - 32 WATT TB FLUORESCENT LAMPS AT REDUCED WATTAGE FOR 30 MINUTES. LIGHT OUTPUT: 1100 LUMENS PER FIXTURE. INPUT VOLTAGE TO MATCH FIXTURE VOLTAGE. INDICATOR LIGHT AND AUDIBLE ALARM FOR DIAGNOSTIC INDICATION. SELF-TESTING, SELF-DIAGNOSTIC ELECTRONIC CIRCUITRY TO CHECK THE LIGHTING BALLAST EVERY 30 DAYS. MANUAL TEST SWITCH, RED HOUSING. STANDARD OF ACCEPTANCE: BOBINE B503T. INSTALLATION: IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. TEST SWITCH AND CHARGING INDICATOR TO BE MOUNTED IN A LOCATION EASILY VISIBLE AND ACCESSIBLE TO MAINTENANCE STAFF. TURN ON AUDIBLE ALARM. WIRE EMERGENCY BALLASTS FOR 2-LAMP EMERGENCY OPERATION.
- 2.7.3. STANDARD EXIT LIGHTING TO HAVE ENAMEL FINISH, LED SOURCE, DC VOLTAGE OPTION, 5 YEAR WARRANTY, RED LETTERS 150mm HIGH x 19mm, WITH 15mm THICK STROKE, RED/BLACK EXIT SIGN. SINGLE OR DOUBLE FACE, KNOCKOUT CHEVRONS. LUMACELL LA OR LS SERIES OR EQUAL.
- 2.7.4. STANDARD EXIT LIGHTING TO HAVE ENAMEL FINISH, LED SOURCE, DC VOLTAGE OPTION, 5 YEAR WARRANTY, SINGLE OR DOUBLE FACE, GREEN 'RUNNING MAN' PICTOGRAM.
- 2.7.5. EXIT SIGNAGE IS TO BE ON A SEPARATE CIRCUIT AS REQUIRED BY THE CANADIAN ELECTRICAL CODE AND CONNECTED TO DC BATTERY PACK ON EACH FLOOR.
- 2.7.6. SELF-CONTAINED EXIT SIGN: SELF-POWERED, LED STYLE TO CSA C22.2 NO. 141 & CSA C860. AUTOMATIC POWER FAILURE DEVICE. TEST SWITCH PILOT LIGHT AND A FULLY AUTOMATIC HIGH/LOW SOLID STATE TRICKLE CHARGE IN A SELF CONTAINED POWER PACK. BATTERY TO BE NICAD TYPE & SHALL BE MAINTENANCE FREE FOR A PERIOD NOT LESS THAN 5 YEARS. ACCEPTABLE MANUFACTURERS ARE LUMACELL, EMERG-LITE OR READY-LITE.
- 2.8. STRUCTURED WIRING SYSTEM
 - 2.8.1. SUPPLY AND INSTALL A COMPLETE TELECOMMUNICATIONS CABLING SYSTEM FOR DATA & TELEPHONE THAT IS BASED ON A PHYSICAL STAR WIRING TOPOLOGY. MUST BE DESIGNED IN ACCORDANCE WITH, AND SUPPORTED BY, A MANUFACTURER'S BACKED WARRANTY CERTIFICATION (MINIMUM 20 YEAR) AS SPECIFIED HEREIN.
 - 2.8.2. SYSTEM TO PROVIDE AN OPERATING LEVEL OF CATEGORY 6 IN ACCORDANCE WITH ALL TELECOMMUNICATION STANDARDS.
 - 2.8.3. PROVIDE ALL PATCH PANELS, RACKS, JACKS, PATCH CORDS AND OTHER NECESSARY EQUIPMENT REQUIRED TO PROVIDE A MANUFACTURER CERTIFIED SYSTEM.
 - 2.8.4. ONE MANUFACTURER'S PRODUCTS USED THROUGHOUT, OR MANUFACTURER APPROVED ALTERNATES, IN ORDER TO MEET REQUIREMENTS FOR MANUFACTURER'S CERTIFICATION.
 - 2.8.5. CABLING FROM COMMUNICATION JACKS TO TELECOMMUNICATIONS PATCH PANELS ARE TO BE FOUR PAIR UNSHELD TWISTED PAIR (UTP), 23 AWG FORMED INTO FOUR INDIVIDUALLY TWISTED PAIRS. THE PAIR OF TWISTS OF ANY PAIR SHALL NOT BE THE SAME AS THE PAIR OF TWISTS OF ANY OTHER PAIR. THE CABLE SHALL BE ABLE TO WITHSTAND A BENDING RADIUS OF 25MM WITHOUT JACKET OR INSULATION CRACKING. THE CABLE SHALL MEET THE REQUIREMENTS OF CSA C22.1 AND BE FT4 RATED IN COMBUSTIBLE AREAS, FT6 RATED FOR NON-COMBUSTIBLE AREAS (PLENUM). CABLE SHALL BE RATED FOR CAT 6 FUNCTIONALITY. RUN TWO CATEGORY 6 CABLES TO EACH STRUCTURED WIRING OUTLET. AT THE TELEPHONE BACKBOARD, TERMINATE ONE CABLE TO THE DATA NETWORK PATCH PANEL AND TERMINATE THE OTHER TO THE TELEPHONE PATCH PANEL.
 - 2.8.6. AT EACH OUTLET DESCRIBED ON THE DRAWINGS AS A STRUCTURED WIRING OUTLET PROVIDE EIGHT(8) POSITION CAT 6 MODULAR JACKS. QUANTITY AS SHOWN ON THE DRAWINGS. PROVIDE JACKS AT EACH OUTLET LOCATION C/W COLOUR CODED IDENTIFICATION LABELS. BLUE - DATA, GREY - VOICE. ENSURE ALL CONDUIT AND BOXES ARE BONDED AS PER THE REQUIREMENTS OF THE C.E.C.
 - 2.8.7. PATCH PANELS TO HAVE 110 IDC TERMINATIONS AND 8 POSITION JACKS, WITH 24 PORTS.
 - 2.8.8. WALL MOUNTED, 20.7" EQUIPMENT RACKS WITH OPEN SWING DOOR ACCESS TO PUNCH-DOWN BLOCKS AND FRONT ACCESS TO PORT CONNECTIONS, 3" CABLE CHANNELS ON EACH SIDE OF RACK RUNNING THE FULL VERTICAL LENGTH C/W COVER.
 - 2.8.9. IDENTIFICATION
 - 2.8.9.1. EACH CABLE TO BE IDENTIFIED BY A UNIQUE CODE. CABLE TO BE IDENTIFIED AT EACH END OF ITS LENGTH. UTILIZE PRE-CODED SELF ADHESIVE VINYL TAPE FOR CABLE IDENTIFICATION.
 - 2.8.9.2. EACH TELECOMMUNICATIONS JACK SHALL BE IDENTIFIED BY THE CORRESPONDING UNIQUE CODE. EACH JACK TO BE IDENTIFIED ON PLATES WITH SELF-ADHESIVE OR BUILT-IN-PLATE LABELS.
 - 2.8.9.3. EACH PATCH PANEL LOCATED IN TELECOMMUNICATION CLOSET SHALL BE IDENTIFIED BY THE CORRESPONDING UNIQUE CODE. UTILIZED LAMACODS WITH 9.5MM HIGH LETTERING.
 - 2.8.10. TESTING
 - 2.8.10.1. EACH CHANNEL TO BE TESTED FOR COMPLIANCE TO CAT 6 WIRING AS PER CAN/CSA-T568.1-05 AND CAN/CSA-T568.2-05.
 - 2.8.10.2. END-TO-END TESTING FOR UTP COPPER SHALL BE CONDUCTED FROM BOTH ENDS FOR 100% OF PAIRS AND SHALL IDENTIFY PAIR REVERSALS, OPENS, AND SHORTS.
 - 2.8.10.3. PROVIDE WRITTEN VERIFICATION CONFIRMING THAT TRANSMISSION PERFORMANCE TESTING AND INSPECTION HAS BEEN COMPLETED AND THAT ALL CABLE RUNS HAVE PASSED. DOCUMENT THAT ALL FAILURES HAVE BEEN IDENTIFIED, CORRECTED, AND RE-TESTED SUCCESSFULLY.

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ELECTRICAL 12348



CLIENT:
TOWN OF WYNYARD



PROJECT:
WYNYARD RECYCLING DEPOT

DRAWING:
ELECTRICAL SITE PLAN & LEGEND & DETAILS

PWA # 8345
PROJECT No: 751-16 SHEET No: PLOT No: 1
DATE: OCT 18, 2016
DRAWN BY: BRB
SCALE: AS INDICATED

E1