























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ORIGINAL SHEET - ARCH C

















LIGHTING PLAN SYMBOLS	
	SURFACE MOUNTED OR SUSPENDED FLUORESCENT LUMINAIRE, 2'x4'
	RECESSED FLUORESCENT LUMINAIRE, 1'x4'
	RECESSED FLUORESCENT LUMINAIRE, 2'x4'
	FLUORESCENT STRIP LUMINAIRE, 4'
	WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE, 4'
	RECESSED LUMINAIRE / POT LIGHT, LESS THAN 6" DIAMETER
	SURFACE MOUNTED OR SUSPENDED LUMINAIRE
	STEP OR WALL MOUNTED LUMINAIRE
	LUMINAIRE ON NIGHT LIGHT CIRCUIT (INDICATED BY HALF SHADING)
	CEILING MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
	WALL MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
	LINE VOLTAGE SWITCH (120V TO 347V)
	2-POLE LINE VOLTAGE SWITCH
	LINE VOLTAGE DIMMER SWITCH
	LINE VOLTAGE SWITCH C/W OCCUPANCY SENSOR
	CEILING MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)
	EMERG. LTG. BATTERY PACK (# OF LAMPS AS SHOWN)
	WALL MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)
	COMBINATION EXIT SIGN/EMERG. LTG. BATTERY PACK





LIGHTING ANNOTATION LEGEND	
	LUMINAIRE TYPE (SCHEDULE REFERENCE)
	SWITCH LEG
	PANEL AND CIRCUIT




ABBREVIATIONS	
EX	EXISTING DEVICE TO REMAIN
RE	REMOVE EXISTING DEVICE
RP	REPLACE EXISTING DEVICE WITH NEW DEVICE
RL	RELOCATE EXISTING DEVICE
ER	EXISTING DEVICE IN RELOCATED POSITION
AFB	ABOVE FINISHED FLOOR
CM	COFFEE MACHINE
DM	DISHWASHER
GF	GROUND FAULT
GFI	GROUND FAULT CIRCUIT INTERRUPTER
JB	JUNCTION BOX
MM	MICROWAVE
TV	TELEVISION
TYP	TYPICAL
WP	WEATHERPROOF





DRAWING LIST









E-001	DRAWING LIST AND SYMBOL LEGEND
E-002	SITE PLAN - ELECTRICAL
E-101	PARTIAL FLOOR PLAN - LIGHTING - DEMOLITION
E-102	PARTIAL FLOOR PLAN - LIGHTING - DEMOLITION
E-103	PARTIAL FLOOR PLAN - POWER AND SYSTEMS - DEMOLITION
E-104	PARTIAL FLOOR PLAN - POWER AND SYSTEMS - DEMOLITION
E-201	PARTIAL FLOOR PLAN - LIGHTING - NEW CONSTRUCTION
E-202	PARTIAL FLOOR PLAN - LIGHTING - NEW CONSTRUCTION
E-203	PARTIAL FLOOR PLAN - POWER AND SYSTEMS - NEW CONSTRUCTION
E-204	PARTIAL FLOOR PLAN - POWER AND SYSTEMS - NEW CONSTRUCTION
E-205	PARTIAL FLOOR PLAN - FIRE ALARM AND SECURITY - NEW CONSTRUCTION
E-206	PARTIAL FLOOR PLAN - FIRE ALARM AND SECURITY - NEW CONSTRUCTION
E-301	ELECTRICAL SINGLE LINE DIAGRAM
E-302	ELECTRICAL DETAILS
E-303	ELECTRICAL SCHEDULES
E-304	ELECTRICAL SCHEDULES
E-305	ELECTRICAL SPECIFICATION
E-306	ELECTRICAL SPECIFICATION




POWER PLAN SYMBOLS	
	DUPLEX 5-15R RECEPTACLE
	DUPLEX 5-15R RECEPTACLE C/W INTEGRAL GFI PROTECTION
	DUPLEX 5-20R RECEPTACLE, T-SLOT
	SINGLE 5-15R RECEPTACLE
	TWO DUPLEX 5-15R RECEPTABLES
	FLOOR MOUNTED DUPLEX 5-15R RECEPTACLE
	CEILING MOUNTED DUPLEX 5-15R RECEPTACLE
	CEILING MOUNTED JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	FLOOR MOUNTED JUNCTION BOX
	POWER PANELBOARD
	PUSHBUTTON (TYPE AND WIRING AS INDICATED)
	MOTOR
	MOTOR C/W DISCONNECT SWITCH
	DISCONNECT SWITCH
	DEVICE MOUNTED ABOVE MILLWORK COUNTERTOP



TELECOMMUNICATIONS SYMBOLS	
	WALL MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)
	FLOOR MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CABLES)
	WIRELESS ACCESS POINT
	WALL MOUNTED TELEVISION OUTLET C/W 1-GATE DATA DROP

PUBLIC ADDRESS & AUDIO-VISUAL SYMBOLS	
	WALL MOUNTED SPEAKER
	FLOOR MOUNTED AUDIO / VIDEO JACK (TYPE AS INDICATED)
	WALL MOUNTED AUDIO / VIDEO JACK (TYPE AS INDICATED)

GENERAL SYMBOLS	
	NOTE REFERENCE
	EQUIPMENT REFERENCE
	REVISION NUMBER
	WIRING HOME RUN

FIRE ALARM SYMBOLS	
	FIRE ALARM MANUAL STATION
	FIRE ALARM ELECTRONIC HORN/SOUNDER/CHIME C/W STROBE
	WALL MOUNTED REMOTE EVACUATION STROBE
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM END OF LINE RESISTOR
	SMOKE DETECTOR
	FIRE ALARM SMOKE DETECTOR (DUCT MOUNTED)
	FIRE ALARM RELAY

SECURITY/ACCESS CONTROL SYMBOLS	
	ACCESS CONTROL CARD READER
	ELECTRIC STRIKE, BY OTHERS, WIRE AND CONNECT
	ACCESS CONTROL REQUEST-TO-EXIT MOTION SENSOR

SCHEMATIC SYMBOLS	
	LOW VOLTAGE CIRCUIT BREAKER
	PANELBOARD

ELECTRICAL GENERAL NOTES (APPLICABLE FOR ALL DRAWINGS):

- THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM AUTHORITIES HAVING JURISDICTION AND PAY ALL ASSOCIATED FEES.
- LOCATE JUNCTION AND PULL BOXES AS REQUIRED TO ALLOW ACCESS AFTER EQUIPMENT AND APPERTANCES ARE INSTALLED. COORDINATE EXACT LOCATIONS WITH THE OTHER TRADES. COORDINATE LOCATIONS AND ELEVATIONS OF ELECTRICAL DEVICES WITH DRAWINGS AND OTHER TRADES PRIOR TO INSTALLATION.
- PROTECT PERMANENT BUILDING FINISHES FROM DAMAGE DURING CONSTRUCTION PERIOD. PROVIDE PLYWOOD OR SIMILAR MATERIAL UNDER EQUIPMENT OR MATERIALS STORED ON FLOORS, AND IN AREAS WHERE CONSTRUCTION MAY DAMAGE FINISHES. SURFACES OR FINISHES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE COST OF THE CONTRACTOR AT FAULT.
- CONTRACTORS SHALL COORDINATE LOCATIONS OF FIXTURES AND ELECTRICAL DEVICES INSTALLED IN OR ON THE CEILING WITH ARCHITECTURAL REFLECTED CEILING PLAN. CEILING MOUNTED ELECTRICAL DEVICES SHALL BE MOUNTED IN THE CENTER OF THE CEILING TILES, UNLESS OTHERWISE NOTED.
- FOR ALL DEVICES BEING DEMOLISHED. REMOVE WIRE, CONDUIT, ETC. BACK TO SOURCE UNLESS NOTED OTHERWISE.
- PROPERLY SUPPORT PER CODE LOW VOLTAGE CABLING NOT IN CONDUIT. IN AREAS SUCH AS CORRIDORS DESIGNATED FOR NEW CEILINGS AND FINISHES, SUPPORT EXISTING ELECTRICAL DEVICES AND EQUIPMENT IN AND ABOVE THE CEILING, INCLUDING CONDUIT AND CABLING. PROVIDE PROPER PERMANENT SUPPORT AS NEEDED TO COMPLY WITH CODE AND TAKE WEIGHT OFF CEILING SUPPORTS. REMOVE AND REINSTALL ELECTRICAL DEVICES AND EQUIPMENT AS NEEDED FOR PAINTING, WALL COVERINGS, CEILINGS, AND FINISH WORK. REFER TO ARCHITECTURAL DRAWINGS. LOW VOLTAGE CABLING LOCATED IN EXPOSED STRUCTURE (CEILING) AREAS SHALL BE INSTALLED IN CONDUIT (OR CABLE TRAY, IF APPLICABLE) AND ROUTED TIGHT TO DECK. INSTALLATIONS NOT IN COMPLIANCE WITH THIS REQUIREMENT SHALL BE REMOVED AND REINSTALLED AT CONTRACTOR'S EXPENSE.
- FOR BRANCH CIRCUITS OVER 75' (25 METERS) IN LENGTH (TOTAL ONE WAY) FROM THE PANEL, THE ELECTRICAL CONTRACTOR SHALL CALCULATE THE VOLTAGE DROP AND PROVIDE AN APPROPRIATE CONDUCTOR SIZE TO ACHIEVE NO MORE THAN 3% MAXIMUM ALLOWABLE VOLTAGE DROP.
- DO NOT SCALE THE DRAWINGS. BECAUSE OF THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS OR OTHER SIMILAR ITEMS WHICH MAY BE REQUIRED TO MAKE A COMPLETE OPERATING SYSTEM. CAREFULLY INVESTIGATE CONDITIONS AFFECTING WORK AND INSTALL WORK IN SUCH MANNER THAT INTERFERENCES BETWEEN PIPES, CONDUITS, DUCTS, EQUIPMENT, ARCHITECTURAL AND STRUCTURAL FEATURES SHALL BE AVOIDED.
- ALL NEW VOICE/DATA CABLING TO BE FT-6 RATED.
- ALLOW FOR RE-VERIFICATION OF FIRE ALARM SYSTEM UPON COMPLETION.
- ANY ELECTRICAL EQUIPMENT, FIXTURES AND / OR DEVICES THAT ARE TO REMAIN SHALL BE UPGRADED TO CURRENT CODES AND TO PROJECT SPECIFICATIONS WHERE THEY ARE FOUND TO BE IN NON-COMPLIANCE.

DEMOLITION GENERAL NOTES:

- ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE, AND WHICH IS INTERRUPTED BY WORK PERFORMED UNDER THIS CONTRACT, SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS EXCEPT RELOCATION OF WIRING OF #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY THE OWNER OF WIRING LOCATION, REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK. PRIOR TO COMMENCING WITH DEMOLITION, IDENTIFY ALL POWER, LIGHTING, COMMUNICATION AND SIGNAL PASSING THROUGH THE DEMOLITION AREA OR EXTENDING BEYOND THE DEMOLITION AREA. COORDINATE WITH THE DEMOLITION WORK OF OTHER TRADES.
- PERMANENTLY REMOVE ABANDONED ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, JUNCTION BOXES. ELECTRICAL DEVICES AND ASSOCIATED WIRE, RACEWAYS, AND/OR JUNCTION BOXES. THE REMOVAL OR RELOCATION OF EXISTING ELECTRICAL EQUIPMENT PRESENTLY CONCEALED IN EXISTING CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER PRIOR TO REMOVAL OR RELOCATION. RACEWAYS AND CONDUCTORS SHALL BE REMOVED BACK TO THE SOURCE OR NEAREST REMAINING JUNCTION BOX OR DEVICE AS FAR AS PRACTICAL, OR WHERE COMPLETE REMOVAL NOT PRACTICAL, RENDERED PERMANENTLY SAFE. UNUSED FLUSH MOUNTED DEVICES, OUTLET AND OTHER BOXES IN FINISHED AREAS SHALL BE REMOVED FROM WALL AND THE REMAINING HOLE PATCHED TO MATCH ADJACENT WALL SURFACES.
- ANY EXISTING SYSTEM OUTAGES SHALL BE OF MINIMUM DURATION AND AT A TIME ACCEPTABLE TO THE OWNER.
- ELECTRICAL EQUIPMENT, FIXTURES, AND/OR DEVICES SCHEDULED TO REMAIN OR TO BE RELOCATED THAT ARE DAMAGED DURING DEMOLITION SHALL BE REPLACED WITH SIMILAR TYPE AS APPROVED BY THE OWNER, AT NO ADDITIONAL CHARGE TO THE OWNER.
- IN THE EVENT THAT DEMOLITION WORK AFFECTS THE STRUCTURAL SUPPORT OF EXISTING ELECTRICAL EQUIPMENT THAT IS TO REMAIN IN SERVICE, IT SHALL BE RE-SUPPORTED IN ACCORDANCE WITH ALL APPLICABLE CODES. PROVIDE TEMPORARY SUPPORTS WHERE REQUIRED.
- PROVIDE TEMPORARY WIRING AND BRANCH CIRCUITING AS NECESSARY TO MAINTAIN OPERATION OF EXISTING CIRCUITS AND SYSTEMS EXTENDING BEYOND REMODEL AREA.
- UNUSED FLUSH MOUNTED DEVICES, OUTLETS AND OTHER BOXES IN FINISHED AREAS SHALL BE REMOVED FROM WALL AND THE REMAINING HOLE PATCHED TO MATCH ADJACENT WALL SURFACES. UNUSED RACEWAYS AND SLEEVES SHALL BE CUT FLUSH AT CEILING, FLOOR OR WALL AND FILLED WITH GROUT OR REQUIRED FIRE SEALANT.
- PROVIDE SEALANT WHERE SPECIFIED ELSEWHERE IN DOCUMENTS. UNUSED RACEWAYS ABOVE ACCESSIBLE CEILING SHALL BE REMOVED.
- ELECTRICAL MATERIAL SCHEDULED FOR REMOVAL IS TO BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AS PART OF THIS CONTRACT. ANY ELECTRICAL MATERIAL THE OWNER WISHES TO RETAIN TO BECOME THE PROPERTY OF THE OWNER AND TO BE REMOVED AND PLACED AT A LOCATION ON THE SITE AS DIRECTED BY THE OWNER.



Stantec Consulting Ltd.
Suite 500, 311 Portage Avenue
Winnipeg MB Canada R3B 2B9
Tel. 204.489.5900 Fax. 204.453.9012
www.stantec.com

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Consultants

Legend

1	ISSUED FOR ADDENDUM #4	CB	AA	25.08.06
Revision		By	Appd.	YY.MM.DD
ISSUED FOR CONSTRUCTION		CB	AA	25.06.04
Issued		By	Appd.	YY.MM.DD
File Name:				
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

Client/Project

WINNIPEG TRANSIT MAINTENANCE FACILITY
OFFICE REDEVELOPMENT

421 OSBORNE ST. SOUTH, WINNIPEG, MB

Title

DRAWING LIST AND SYMBOL LEGEND

Project No. 115421006	Scale 1/8"=1'-0"	
Drawing No. E-001	Sheet 1 of 18	Revision 1