SYMBOL LEGEND		
SYMBOL	DESCRIPTION	
EXIT LIGHTING		
E1	EXIT SIGN — SINGLE FACED	
<u>E1</u>	EXIT SIGN — SINGLE FACED ARROW INDICATES DIRECTION	
<u> </u>	EXIT SIGN — DOUBLE FACED ARROWS INDICATE DIRECTION	
HEI	EXIT SIGN — WALL MOUNTED SINGLE FACED ARROW INDICATES DIRECTION	
HE	EXIT SIGN — WALL MOUNTED DOUBLE FACED ARROW INDICATES DIRECTION	
EMERGENCY LIGHTING		
	EMERGENCY LIGHTING - BATTERY 2 HEADS	
<u></u>	EMERGENCY LIGHTING - REMOTE 2 HEADS	
<u> </u>	EMERGENCY LIGHTING — REMOTE 1 HEAD	
	EMERGENCY LIGHTING — EXIT c/w REMOTE 2 HEADS AND RECEPTACLE	
	EMERGENCY LIGHTING - BATTERY BACKUP	
FIRE ALARM		
2	FIRE ALARM PULL STATION	
	FIRE ALARM HORN	
	FIRE ALARM LOUD HORN	
ED TEN	FIRE ALARM BELL	
QEO_	FIRE ALARM BELL/STROBE	
<u>FO</u>	FIRE ALARM STROBE	
QEKI	FIRE ALARM HORN/STROBE	
QE DE	FIRE ALARM SPEAKER/STROBE	
	SPRINKLER FLOW SWITCH	
	SPRINKLER TAMPER SWITCH	
	SPRINKLER PRESSURE SWITCH	
8	SMOKE DETECTOR	
<u> </u>	DUCT SMOKE DETECTOR	
	HEAT DETECTOR	
ISO	ISOLATION MODULE	
AMM	ADDRESSABLE MONITORING MODULE	
	FIRE ALARM REMOTE ANNUNCIATOR	
	FIRE ALARM CONTROL PANEL	
E	FIRE ALARM MAGNETIC HOLD OPEN DEVICE	
FD	ELECTRIFIED FIRE ALARM DOOR CLOSURE	
B	BEAM DETECTOR RECEIVER	
E	BEAM DETECTOR TRANSMITTER	
EOL -ww-	END OF LINE RESISTOR	

ABBREVIATION LIST		
ABBREVIATION	DESCRIPTION	
a	MOUNTED ABOVE COUNTER/TABLE	
AFF	ABOVE FINISHED FLOOR	
BFC	BELOW FINISHED CEILING	
CM	CEILING MOUNTED	
FM	FLOOR MOUNTED	
WP	WEATHERPROOF	
GFI	GROUND FAULT INTERRUPTER	
С	COPIER	
D	DRYER	
R	RANGE	
F	FRIDGE	
DW	DISHWASHER	
AV	AUDIO/VISUAL	
PA	PUBLIC ADDRESS	
NL	NIGHT LIGHT	
15/20	T-SLOT RECEPTACLE	
٧	VENDING MACHINE	

REMOTE CONTACT

GENERAL NOTES

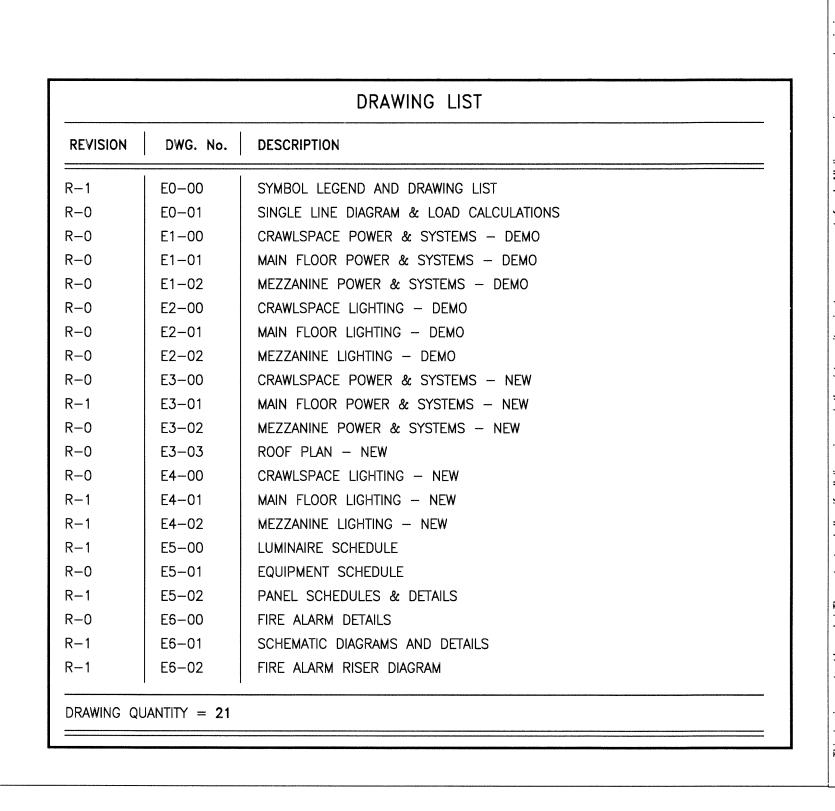
- WHERE THE MECHANICAL DESIGN UTILIZES A PLENUM RETURN AIR CEILING DESIGN, ALL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE PLENUM RETURN CEILING MUST MEET THE FLAME SPREAD AND SMOKE DEVELOPED RATINGS OF 25/50 AND BE APPROVED FOR USE IN PLENUM RETURN CEILING. COORDINATE PLENUM CEILING LOCATIONS WITH THE MECHANICAL SUBCONTRACTOR. LUMINAIRES THAT ARE MANUFACTURED WITH A METAL HOUSING MEET THIS REQUIREMENT AND ARE NOT REQUIRED TO BE PLENUM RATED UNLESS INDICATED OTHERWISE.
- COORDINATE ALL DEVICE LOCATIONS AND CIRCUIT ROUTING WITH ANY MILLWORK VENDOR PRIOR TO ROUGH-IN.
- 3. COORDINATE THE CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS WITH THE CONTRACTOR PROVIDING THE EQUIPMENT PRIOR TO ROUGH-IN. THIS INCLUDES. BUT IS NOT LIMITED TO MECHANICAL EQUIPMENT, KITCHEN EQUIPMENT, AUDIO/VISUAL EQUIPMENT, FIRE SUPPRESSION SYSTEM EQUIPMENT, ETC. THE ELECTRICAL SUBCONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE DISCONNECTING MEANS FOR, AND TO MAKE THE FINAL CONNECTION TO, ANY HARDWIRED EQUIPMENT. THE ELECTRICAL SUBCONTRACTOR IS ALSO RESPONSIBLE OT PROVIDE AN APPROPRIATE CORD AND PLUG FOR ANY CORD-AND-PLUG CONNECTED EQUIPMENT THAT IS NOT EQUIPPED WITH AN INTEGRAL CORD AND PLUG.
- 4. THE ELECTRICAL SUBCONTRACTOR IS RESPONSIBLE FOR PRESERVING THE FIRE RATING OF ANY FIRE-RATED CEILING ASSEMBLIES BY PROVIDING THE APPROPRIATE FIRE-RATED LUMINAIRE TENTS AS MANUFACTURED BY TENMAT OR NELSON FIRESTOP OR BY BUILDING FIRE-RATED ENCLOSURES AROUND EACH LUMINAIRE THAT IS RECESSED INTO THE FIRE-RATED ASSEMBLY. COORDINATE FIRE-RATED CEILING ASSEMBLY LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.
- 5. ALL EQUIPMENT, DEVICES, AND LUMINAIRES SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R. DEVICES MOUNTED IN DAMP OR WET LOCATIONS SHALL BE WEATHERPROOF. RECEPTACLES RATED 15- OR 20- AMPS AND 120 VOLTS WHICH ARE LOCATED IN DAMP OR WET LOCATIONS SHALL BE GFCI PROTECTED AND EQUIPPED WITH A SUITABLE WEATHERPROOF COVERPLATE (WHILE-IN-USE IN WET LOCATIONS).
- 6. ALL LUGS, TERMINALS, ETC. IN ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE LISTED FOR A MINIMUM OF 75 DEGREES C CONDUCTORS. TERMINATIONS LISTED FOR ONLY 60 DEGREES C CONDUCTORS ARE NOT PERMITTED.
- CONDUCTORS #12 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #10 AWG AND LARGER ARE PERMITTED TO BE STRANDED.

GENERAL LIGHTING NOTES

- SEE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LUMINAIRES. THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE OVER THE LIGHTING PLAN IN REGARDS TO LUMINAIRE LOCATIONS.
- 2. COORDINATE THE MOUNTING HEIGHT OF ALL LUMINAIRES WITH THE CONTRACT ADMINISTRATOR PRIOR TO ROUGH-IN.
- CONFIRM ALL LUMINAIRE FINISHES WITH THE CONTRACT ADMINISTRATOR PRIOR TO ORDERING.
- 4. PROVIDE ALL ACCESSORIES INCLUDING TRIM RINGS, STEMS, CANOPIES, CORDS, MOUNTING HARDWARE. RESTRAINTS, HURRICANE CLIPS, ETC., NECESSARY TO MOUNT THE FIXTURE IN A COMPLETE, AND APPROVED METHOD.
- PROVIDE ANY SEISMIC BRACING AND/OR RESTRAINTS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- 6. PROVIDE CHAIN HANGERS FOR ALL SUSPENDED CHANNELS AND/OR STRIPLIGHTS IN UNFINISHED AREAS.
- PROVIDE DRYWALL FRAMES FOR ALL LINEAR FLUORESCENT LUMINAIRES THAT ARE RECESSED INTO DRYWALL CEILINGS.
- 8. SUPPORT ALL LUMINAIRES COMPLETELY INDEPENDENT OF ANY SUSPENDED CEILING.
- 9. PROVIDE EXTENSIONS FOR RECESSED LUMINAIRES WHERE REQUIRED BY THE CEILING THICKNESS. COORDINATE WITH THE ARCHITECTURAL DETAILS.
- 10. WHEN REQUIRED, PROVIDE FIRE-RATED LUMINAIRE COVERS (LUMINAIRE TENTS) FOR LUMINAIRES INSTALLED IN FIRE-RATED CEILING ASSEMBLIES OR PROVIDE FIRE-RATED BOXES AROUND EACH LUMINAIRE. COORDINATE LOCATIONS OF FIRE-RATED CEILING ASSEMBLIES WITH THE ARCHITECTURAL PLANS.
- 11. PROVIDE LUMINAIRES THAT ARE INSULATED CEILING (IC) RATED WHEN RECESSED INTO INSULATED CEILINGS. IF THE FIXTURE CAN NOT BE PROVIDED WITH AN IC RATING, INSULATION SHALL NOT BE INSTALLED ABOVE OR WITHIN 3 INCHES OF THE LUMINAIRE. COORDINATE LOCATIONS OF INSULATED CEILINGS WITH THE ARCHITECTURAL PLANS.
- 12. COORDINATE MOUNTING LOCATION, NUMBER OF FACES, AND DIRECTIONAL ARROWS OF EXIT SIGNS AS REQUIRED TO MARK PATHS OF EGRESS TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
- 13. PROVIDE A FACTORY-INSTALLED OR FIELD-INSTALLED EMERGENCY BATTERY THAT PROVIDES A MINIMUM OF 30 MINUTES OF RUN TIME IN EACH LUMINAIRE INDICATED AS EMERGENCY LUMINAIRE.
- 14. VERIFY FINAL LINEAR LED LENGTH PRIOR TO ORDERING. ORDER POWER SUPPLY PER MANUFACTURER'S RECOMMENDATIONS IN ORDER FOR FIXTURES TO BE SUPPLIED BY 120V.

GENERAL POWER NOTES

- PROVIDE LAMICOID LABELS (BLACK WITH WHITE LETTERING) FOR ALL KITCHEN AND BAR RECEPTACLES INDICATING THE FOLLOWING INFORMATION: – PANEL AND CIRCUIT #
- EQUIPMENT TAG IDENTIFIER AND DESCRIPTION
- FIRE STOPPING NOTES
- ALL ELECTRICAL WIRES, CABLES, NONCOMBUSTIBLE RACEWAYS, OUTLET BOXES AND OTHER SIMILAR SERVICES THAT PENETRATE FIRE WALL, FIRE SEPARATION OR ASSEMBLY REQUIRED TO HAVE A FIRE RESISTANCE RATING OR FIRE SEPARATION, SHALL BE SEALED BY FIRE STOP SYSTEM WHICH HAS AN "F" AND/OR "FT" RATING NOT LESS THAN REQUIRED FIRE PROTECTION RATING OF FIRE SEPARATION.
- CONTRACTOR SHALL ONLY USE LISTED MATERIALS AND METHODS.
- SERVICE PENETRATION AND FIRE STOPPING OF SERVICE PENETRATION IN FIRE SEPARATION AND FIRE RATED ASSEMBLIES SHALL COMPLY WITH THE CURRENT BUILDING CODE.
- 4. PROVIDE FOR FIRE STOPS IN CONCEALED SPACES AS REQUIRED BY THE CURRENT BUILDING CODE.
- 5. ALL FIRE RESISTANCE RATED ASSEMBLIES (I.E. WALLS CEILINGS, ETC.) WHICH CONTAIN PANEL BOARDS, BACK BOXES, RECESSED LIGHTING FIXTURES, ETC. SHALL BE C/W FIRE RATED BACKING TO MAINTAIN THE INTEGRITY OF THE FIRE RESISTANCE.



ARCHITECTS INC. Creating Sustainable Futures

300 - 141 Bannatyne Ave., Winnipeg, MB, R3B 0R3 telephone 204.956.0938 fax 204.943.5597 web www.prairiearchitects.ca

> CONSULTING ENGINEERS

Cartificate of Authorization KGS Group

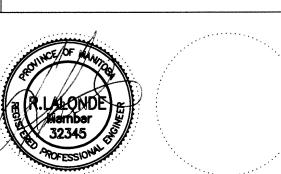
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issue notes

date



project information

SEVEN OAKS POOL

444 Adsum Drive Winnipeg, MB Canada

client

City of Winnipeg

Winnipeg, MB

4th Floor - 86 King Street

drawing information

ELECTRICAL SYMBOL LEGEND & DRAWING LIST

drawn by: approved by: ,

AS NOTED scale: date issued: **2016.07.15** 14-1736-008 proj. #:

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