

A	GLYCOL PUMP LOCKER ROOM	B-6 BOILER	VACUUM PUMP	POOL EXHAUST FAN 9	PRIMARY PUMP #1	SUPPLY FAN WEST WINDOW	POOL HEAT EXCHANGER PUMP PU-7	INCOMING
B	GLYCOL PUMP WEST WINDOW	B-5 BOILER						
C	GLYCOL PUMP EAST WINDOW	B-4 BOILER						
D	SPARE	B-1 BOILER	SPARE	POOL EXHAUST FAN 10	PRIMARY PUMP #2	SUPPLY FAN NORTH SPECTATOR	POOL HEAT EXCHANGER PUMP PU-8	SPARE
E	GLYCOL CIRC. PUMP (PU-10) NW MECH. PLATFORM 1	B-2 BOILER	POOL HEAT PUMP	EXHAUST FAN NW MECH. PLATFORM F-15 2	SIZE 1 SPARE	SUPPLY FAN SOUTH SPECTATOR	SOUTH TRANSFER FAN	SPACE
F	GLYCOL CIRC. PUMP (PU-9) NW MECH. PLATFORM 2	B-3 BOILER			SIZE 1 SPARE	SUPPLY FAN LOCKER ROOM F-5	NORTH TRANSFER FAN	SPACE
G	BOOSTER COIL & CONVECTOR PUMP	DWPU-1	SPARE	GLYCOL PUMP #1 NE	SIZE 1 SPARE	BOILER COMBUSTION AIR SUPPLY UNIT (F-6A) NW MECH. PLATFORM 2	NORTH EXHAUST FAN	SPACE
H	SIZE 1 SPARE	DWPU-2	POOL EXHAUST FAN 7	GLYCOL PUMP SOUTH WEST			SOUTH EXHAUST FAN	SPACE
I	SPACE	SPACE	POOL EXHAUST FAN 8	BOILER COMBUSTION AIR SUPPLY UNIT (F-6B) NW MECH. PLATFORM 1				SPACE
J								
K								
L								
M								
	F1	F2	F3	F4	F5	F6	F7	F8

A
E05
MCC-1 ELEVATION
SCALE: N.T.S.

NOTES:
THESE DRAWINGS SHALL NOT BE SCALED.
THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY ONESELF ALL DIMENSIONS, DATUM, AND DETAILED INFORMATION SHOWN ARE CORRECT.
THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.
ALL OPENINGS THROUGH THE FIRE SEPARATIONS AS A RESULT OF THE WORK OF THIS CONTRACT ARE TO BE FIRE STOPPED AND SEALED WITH ULC APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE AND SMOKE-TIGHT BARRIER.
ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS & APPLICABLE CODES.
THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING THE PART OF THE RENOVATION WORK.
WHERE NEW FLOORING AND BASE IS TO BE INSTALLED IN EXISTING AREAS (REFER TO FLOOR PLAN AND ROOM SCHEDULE) THE EXISTING FLOORING SURFACE AND BASE MUST BE REMOVED, UNLESS OTHERWISE NOTED. ALL FLOOR SURFACES SHALL BE PREPARED IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF NEW FLOOR.
WHERE PAINTING OF EXISTING WALLS IS INDICATED ON THE ROOM SCHEDULE, THESE WALLS MUST BE CLEANED OF ANY EXISTING WALL COVERING, PATCHED & PREPARED TO ACCEPT NEW MATERIAL, UNLESS OTHERWISE NOTED.

KEYNOTES:
1 PROVIDE NEW MCC BUCKETS FOR NEW BOILER COMBUSTION AIR SUPPLY UNIT 'F-6B' AND NEW GLYCOL CIRC. PUMP 'PU-10' COMPLETE WITH NEW LAMACOID LABELING. WHERE REQUIRED REMOVE THE EXISTING SPARE BUCKET AND HAND OVER TO THE CONTRACT ADMINISTRATOR.
2 UPDATE EXISTING LABELING OF MCC TO MATCH THE NEW EQUIPMENT LOADS AS SHOWN ON DRAWING E02.

TYPE	DESCRIPTION	MANUF.	PART/MODEL #	MOUNTING				LAMPS		POWER		NOTES		
				CEILING	WALL	RECESSED SURFACE	SUSPENDED	QTY PER FIXTURE	TYPE	COLOR TEMP (°K)	LUMENS (LM)		VOLT. (V)	WATTS PER FIXTURE (W)
E1	NEMA 4X LED RED EXIT SIGN, SURFACE MOUNT, C/W ALL REQUIRED INSTALLATION AND MOUNTING HARDWARE	AMILITE	EXWW-1-W-GRY-GRY-NDC	X	X	X		1	LED	NA	NA	120	1.9	

TYPE	DESCRIPTION	MANUF.	PART/MODEL #	MOUNTING				LAMPS		POWER		NOTES		
				CEILING	WALL	RECESSED SURFACE	SUSPENDED	QTY PER FIXTURE	TYPE	COLOR TEMP (°K)	LUMENS (LM)		VOLT. (V)	WATTS PER FIXTURE (W)
A	2' X 4' LED RECESS. LOW PROFILE FIXTURE C/W CENTER BASKET CONFIGURATION, POLYESTER POWDER PAINTED ENCLOSURE, MATTE WHITE POWDER PAINT REFLECTOR, CURVED RIBBED DIFFUSER LENS AND 0-10V DIMMING TO 1%.	LITHONIA	ZBLT4-40L-ADP-EZH-LP840	X		X		1	LED	4000	4000	120	31	
B	2' LED FIXTURE C/W FROSTED ACRYLIC DIFFUSER, MEDIUM DISTRIBUTION, 80 CRI AND WET LOCATION LISTING.	LITHONIA	DMW2L24-4000LM-AFL-MD-4VOLT-40K-80CRI	X			X	1	LED	4000	4000	120	40	

TAG	EQUIPMENT				DESCRIPTION	LOCATION	POWER REQUIREMENTS		SUPPLY PANEL				CABLE				STARTER		LOCAL DISC.		CONTROL		NOTES							
	TRG	QUANTITY	CONNECTED	INSTALLED			HP	KVA	FLA	VOLTAGE	PHASE	PANEL MAKE & CIRCUITS				SIZE	TYPE	SIZE	TYPE	SIZE	TYPE									
												BREAKER	DISCONNECT SWITCH	THE RELAY	FUSE	POLES	NUMBER OF BUSES	NUMBER OF WIRES	WIRE SIZE (COPPER)	CONDUIT SIZE (IN)	SIZE	TYPE		SIZE	TYPE					
F-6A	M	M	E	1	BOILER COMBUSTION AIR SUPPLY UNIT	MECHANICAL PLATFORM	3		600	3	MCC-1	15	30	3	1	4	12	21	1	FVNR	E	E	NFD	E	E	DDC	M	M	M	
F-6B	M	M	E	1	BOILER COMBUSTION AIR SUPPLY UNIT	MECHANICAL PLATFORM	3		600	3	MCC-1	15	30	3	1	4	12	21	0	FVNR	E	E	NFD	E	E	DDC	M	M	M	
PU-9	M	M	E	1	GLYCOL CIRCULATION PUMP	MECHANICAL PLATFORM	1.5		600	3	MCC-1	15	30	3	1	4	12	21	0	FVNR	E	E	NFD	E	E	DDC	M	M	M	
PU-10	M	M	E	1	GLYCOL CIRCULATION PUMP	MECHANICAL PLATFORM	1.5		600	3	MCC-1	15	30	3	1	4	12	21	0	FVNR	E	E	NFD	E	E	DDC	M	M	M	
F-15	M	M	E	1	LOCKER / W/C EXHAUST FAN	MECHANICAL PLATFORM	2		600	3	MCC-1	15	30	3	1	4	12	21	1	FVNR	E	E	NFD	E	E	DDC	M	M	M	
GMU-1	M	M	E	1	GLYCOL MAKEUP UNIT	MECHANICAL PLATFORM			120	1	PNL-R	15			1	3	12	21												

EQUIPMENT SCHEDULE LEGEND:

O OWNER
K KITCHEN SUPPLIER
E ELECTRICAL CONTRACTOR
M MECHANICAL CONTRACTOR
DDC DIRECT DIGITAL CONTROL
NFD NON-FUSED DISCONNECT
FVNR FULL VOLTAGE NON-REVERSING

0	ISSUED FOR TENDER	CLS	18.08.21
No.	REVISION/DESCRIPTION	BY	DATE



DRAWN	DESIGNED	APPROVED
DATE: 2018/08/18	USER	APPROVAL

THE CITY OF WINNIPEG
PLANNING, PROPERTY AND
DEVELOPMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT
**BOILER ROOM
COMBUSTION AIR UPGRADE
AT PAN AM POOL**
25 POSEIDON BAY

ES ENGINEERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
KGS Group
No. 245

KGS
GROUP
CONSULTING
ENGINEERS

SHEET TITLE
**ELECTRICAL
DETAILS AND SCHEDULES**

SCALE AS SHOWN	PROJECT No: 18-0107-006	SHEET No: E06
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