



MCC-1 SINGLE LINE DIAGRAM

SCALE: N.T.S.

LEGEND:

- 30 MOTOR LOAD
- BREAKER
- STARTER
X-NEMA RATING
- LOCAL DISCONNECT
X-RATING
- X-CONTACTOR
X-NEMA RATING

GENERAL NOTES:

1. GREY SHADED LINE WEIGHT DENOTES EXISTING.
2. NOT ALL LOADS ARE SHOWN IN THE SINGLE LINE DIAGRAM.
3. DEMOLITION/INSTALLATION OF THE MECHANICAL EQUIPMENT WILL BE PHASED, COORDINATE EXACT SCOPE OF THE PHASING WITH THE MECHANICAL CONTRACTOR.
4. CONTRACTOR TO REVIEW THE FULL SCOPE OF WORK PRIOR TO DEMOLITION.
5. CONTRACTOR TO COORDINATE WITH MECHANICAL EQUIPMENT SHOP DRAWINGS FOR THE NAME PLATE FLA AND MOCV VALUES PRIOR TO ORDERING NEW EQUIPMENT.

KEYNOTES:

1. DISCONNECT AND REMOVE ALL EXISTING WIRING AND CONDUIT TO EXISTING BOILERS (B-1, B-2, B-3) BACK TO EXISTING MCC-1 AND LABEL THE MCC BUCKET "SPARE" AFTER THE NEW BOILERS HAVE BEEN COMMISSIONED.
2. PROVIDE NEW MCC BUCKETS COMPLETE WITH BREAKER, CONTACTOR, PILOT LIGHTS, RUN STATUS OUTPUT AND DISCONNECT FOR THE NEW BOILERS (B-1, B-2, B-3, B-4, B-5, B-6). REFER TO THE WIRING DIAGRAM ON DWG. 'E01' DETAIL 'C'.
3. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE EXISTING OVER CURRENT DEVICES PREVIOUSLY FEEDING THE BOILERS (B-1, B-2, B-3) AND INDICATE THE SIZE ON THE AS-BUILTS.
4. PROVIDE ALL NEW WIRING AND CONDUIT FROM THE NEW MCC BUCKETS TO THE NEW BOILERS (B-1, B-2, B-3, B-4, B-5, B-6) AND CIRCULATION PUMPS (PU-1, PU-2, PU-3, PU-4, PU-5, PU-8) COMPLETE WITH DISCONNECT SWITCH AS INDICATED.

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 ULCC APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE AND SMOKE-TIGHT BARRIER. EXISTING OPENINGS THROUGH FIRE SEPARATIONS THAT ARE NOT CURRENTLY FIRE STOPPED TO BE DEALT WITH UNDER SEPARATE CONTRACT.

ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURERS 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 MANUFACTURERS 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.

WORK SEQUENCE - EXISTING BOILER B-3 REMOVAL:

1. EXISTING BOILER B-3 SHALL REMAIN IN OPERATION UNTIL NEW BOILERS B-1, B-2 AND B-3 ARE COMMISSIONED.
2. EXISTING BOILER B-3 AND REMAINDER OF EXISTING CHIMNEY CONTAINS ASBESTOS. ASBESTOS ABATEMENT WOULD BE CONDUCTED BY THE CITY UPON COMMISSIONING OF NEW BOILERS B-1, B-2, AND B-3. CONTRACTOR SHALL PROVIDE A THREE WEEK ADVANCED NOTICE OF THE FIRM COMMISSIONING COMPLETION DATE TO THE CONTRACT ADMINISTRATOR. ASBESTOS ABATEMENT WOULD TAKE 2 WEEKS TO COMPLETE.
3. IMMEDIATELY UPON COMPLETION OF ABATEMENT, REMOVE EXISTING BOILER CHIMNEY AND INSTALL THE 2nd CHIMNEY AND COMMISSION NEW BOILERS B-4, B-5 AND B-6.
4. DECOMMISSION AND REMOVE EXISTING BOILER B-3.
5. REMOVAL OF THE EXISTING BOILER, CHIMNEY, AND INSTALLATION OF NEW CHIMNEY SHALL BE DONE AFTER NORMAL OPERATING HOURS OF THE POOL.

0	ISSUED FOR TENDER	ll	16.05.20
No.	REVISION/DESCRIPTION	BY	DATE

SEAL

MAY 20, 2016

DRAWN: GMB
CHECKED: [Signature]
DESIGNED: CLS
APPROVED: [Signature]

DATE: 2016.04.29
USER APPROVAL

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

PROJECT
PAN AM POOL
REPLACEMENT OF BOILERS

25 POSEIDON BAY
SHEET TITLE

ELECTRICAL
SINGLE LINE DIAGRAM
BASEMENT DEMOLITION / NEW

SCALE AS SHOWN PROJECT No: 16-0107-008 SHEET No: P1_E01

