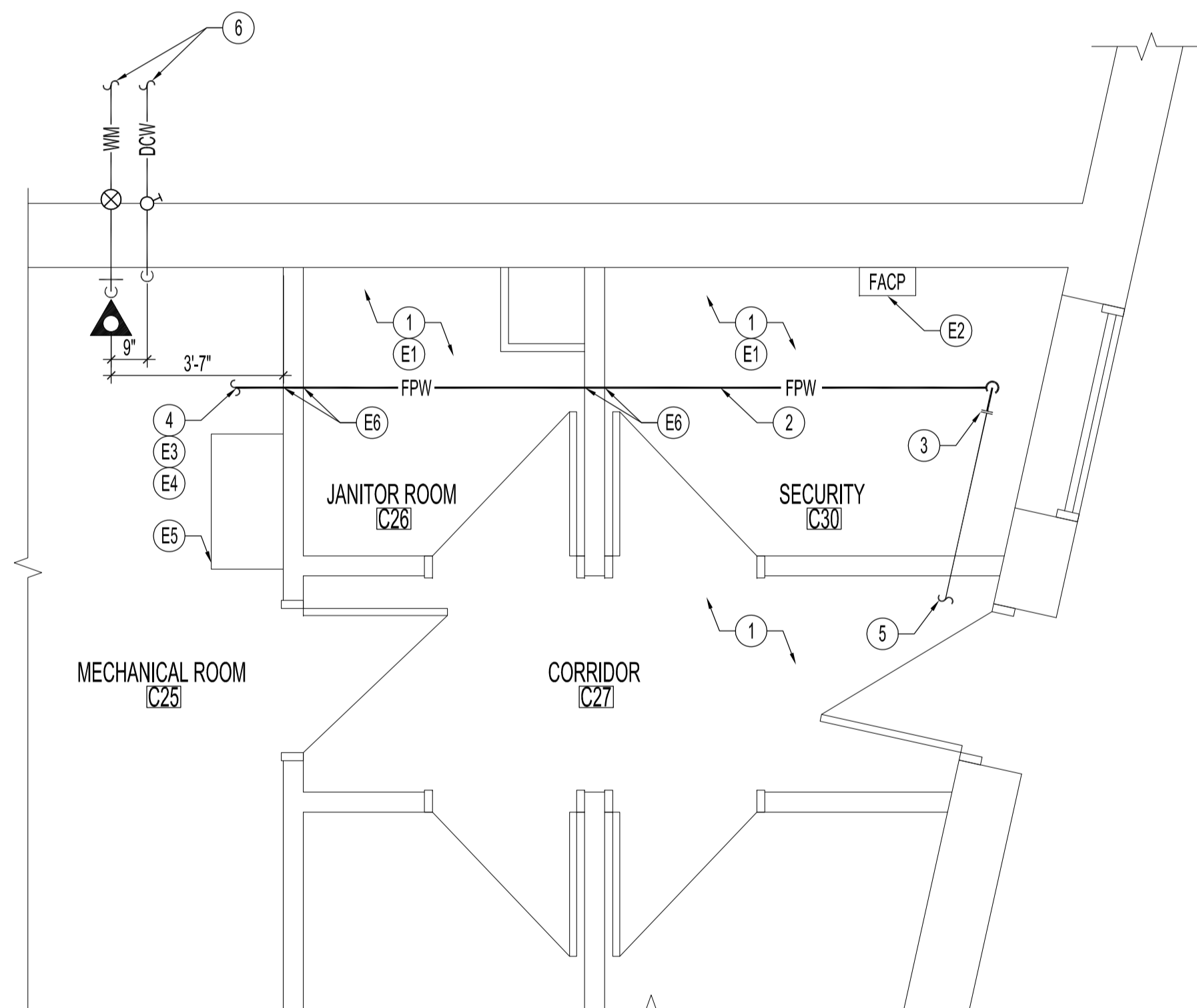


1 PARTIAL CONCOURSE FLOOR PLAN - DEMOLITION
M1 | M1 | SCALE: 3/8"=1'-0"



2 PARTIAL CONCOURSE FLOOR PLAN - RENOVATION
M1 | M1 | SCALE: 3/8"=1'-0"

PIPING IDENTIFICATION	
SYMBOL	DESCRIPTION
— DCW —	DOMESTIC COLD WATER
— FPW —	FIRE PROTECTION WATER
— WM —	PVC WATERMAIN
—○—	PIPE DROP
—○—	PIPE RISE
—○—	PIPE TEE DOWN
—○—	PIPE TEE UP
—▶—	FLOW DIRECTION
////	DEMOLITION

ABBREVIATIONS	
ABB	DESCRIPTION
DCVAF	DOUBLE CHECK VALVE ASSEMBLY FOR FIRE PROTECTION
GALV	GALVANIZED
MECH	MECHANICAL
RM	ROOM
WM	WATERMAIN

DEMOLITION PLAN NOTES:

- 1 MECHANICAL CONTRACTOR TO REMOVE EXISTING LAY-IN ACOUSTIC TILE CEILING PANELS AND GRID AS REQUIRED TO ALLOW ACCESS FOR DEMOLITION AND INSTALLATION WORK. SALVAGE ALL UNBROKEN AND UNDAMAGED TILES FOR REINSTALLATION.
- 2 MENS AND WOMENS WASHROOMS TO BE KEPT FREE OF OBSTRUCTIONS AND AVAILABLE FOR USE BY TENANTS AND CITY STAFF ON SITE.
- 3 EXISTING JANITOR ROOM TO BE KEPT ACCESSIBLE AND FUNCTIONAL AT ALL TIMES EXCEPT AS MAY BE ARRANGED WITH CITY STAFF AND TENANTS FOR SHORT TERM INACCESSIBILITY.
- 4 FOR CONTINUATION OF FIRE LINE IN MECHANICAL ROOM, REFER TO DETAIL 2/M2.
- 5 EXISTING FLOOR MOUNTED MOP SERVICE BASIN TO REMAIN.
- 6 EXISTING SHELVING ON WALL TO REMAIN. COORDINATE THE REMOVAL/RELOCATION OF STOCK FROM SHELVES LEAVING SHELVES IN PLACE.
- 7 REMOVE EXISTING 2 1/2" STEEL FIRE LINE TO THE END OF THE OBSTRUCTED SECTION.
- 8 EXISTING 2 1/2" FIRE LINE IN CEILING SPACE TO REMAIN IF UNOBSTRUCTED.
- 9 EXISTING ABANDONED ELECTRICAL ENCLOSURE TO BE REMOVED IF NECESSARY.
- 10 EXISTING WET PIPE SPRINKLER VALVE HEADER - SEE DETAILS 1/M2 AND 3/M2.
- 11 EXISTING VALVES AND CURB STOPS TO REMAIN. VALVES ARE INOPERABLE AND WILL BE REPLACED IN FUTURE. CONTRACTOR TO COORDINATE SHUTDOWN OF WATERMANS WITH CITY OF WINNIPEG WATER AND WASTE DEPARTMENT TO FACILITATE FIRE PROTECTION/PLUMBING UPGRADES IN THIS CONTRACT.

RENOVATION PLAN NOTES:

- 1 MECHANICAL CONTRACTOR TO REPAIR AND REINSTALL EXISTING LAY-IN ACOUSTIC TILE CEILING INCLUDING GRID AND TILES TO RESTORE CEILING TO CONTINUOUS WALL TO WALL INTEGRITY. REPLACE BROKEN, CHIPPED, MISSING, MARKED OR ILL FITTED CEILING TILE WITH LIKE PATTERN AND QUALITY TO MATCH EXISTING.
- 2 INSTALL NEW 2 1/2" FIRE LINE IN CEILING SPACE.
- 3 RECONNECT TO EXISTING UNOBSTRUCTED 2 1/2" FIRE LINE PIPING.
- 4 FOR CONTINUATION OF FIRE LINE IN MECHANICAL ROOM, REFER TO DETAIL 2/M2 AND 4/M2. PROVIDE FIRESTOPPING AT PENETRATION OF DRYWALL ON EITHER SIDE OF WALL BETWEEN MECHANICAL ROOM AND JANITOR ROOM.
- 5 EXISTING 2 1/2" FIRE LINE IN CEILING SPACE.
- 6 EXISTING 6" WATERMAIN AND 2" DOMESTIC WATER PIPING TO REMAIN. CONTRACTOR TO COORDINATE SHUTDOWN OF WATERMANS WITH CITY OF WINNIPEG WATER AND WASTE DEPARTMENT TO FACILITATE FIRE PROTECTION/PLUMBING UPGRADES IN THIS CONTRACT.

RENOVATION PLAN ELECTRICAL NOTES:

- (E1) PROVIDE TEMPORARY SUPPORT FOR ELECTRICAL EQUIPMENT DURING THE CEILING REMOVAL AND REINSTALLATION ASSOCIATED WITH PIPING WORK.
- (E2) EXISTING CHUBB EDWARDS EST QUICK START FIRE ALARM PANEL TO BE MODIFIED TO INCORPORATE NEW SPRINKLER TAMPER SWITCHES.
- (E3) PROVIDE FOUR NEW SPRINKLER TAMPER SWITCH MODULES. EACH TAMPER SWITCH IS TO ANNUNCIATE INDIVIDUALLY OF FIRE ALARM SYSTEM. REFER TO DETAILS 2/M2 AND 4/M2 FOR CORRESPONDING VALVE LOCATION.
- (E4) EXISTING SPRINKLER FLOW AND PRESSURE SWITCHES (TWO IN TOTAL) ARE TO BE REUSED. DISCONNECT, ENSURE PROPER OPERATION OF SWITCHES AND RECONNECT AS REQUIRED.
- (E5) ELECTRICAL ENCLOSURE WHICH MAY BE DEMOLISHED TO ACCOMMODATE WORK.
- (E6) FIRESTOP PENETRATIONS OF JANITOR ROOM C26.
- (E7) PROVIDE VERIFICATION REPORT FOR MODIFICATIONS.

NOTES:

THESE DRAWINGS SHALL NOT BE SCALED.

CONTRACTOR TO PROVIDE ENGINEERED STAMPED DRAWINGS AND ALL RELEVANT DOCUMENTATION FOR PERMIT APPLICATION.

REFER TO BID OPPORTUNITY PROJECT SPECIFICATION FOR ADDITIONAL INFORMATION.

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, STRUCTURAL & COMMUNICATION DRAWINGS FOR LAYOUTS & ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.

ALL PLUMBING PENETRATIONS THRU FLOORS SHALL HAVE THE PIPING IN CONTACT WITH THE WALL ABOVE OR BELOW, WHERE POSSIBLE.

ALL OPENINGS THROUGH FIRE ASSEMBLIES ARE TO BE FIRE STOPPED AND SEALED WITH ULC APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE A 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.

ALL UNDERGROUND SERVICES AND PAVING ON CITY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH "THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS". LOCATION OF UNDERGROUND SERVICES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH ANY CONSTRUCTION.

LAYOUT SHOWN IS SCHEMATIC ONLY. LAYOUT MAY NOT REFLECT THE TRUE PLUMBING OR PIPE ROUTES. ALL ROUTINGS SHALL RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES. GROUP SAME SERVICES, WHERE POSSIBLE, TO RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES. ALL ROUTINGS SHALL RUN AS HIGH AS POSSIBLE AT THE CRAWLSPACE AND BASEMENT CEILING LEVEL.

DO NOT PASS ROUTINGS THROUGH STRUCTURAL MEMBERS WITHOUT CONSULTING THE CONTRACT ADMINISTRATOR.

COMPLETE ALL WORK IN CONFORMANCE WITH THE REQUIREMENTS OF THE MANITOBA BUILDING CODE-2010, NFPA 13-2013 "STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS", NFPA 14-2013 "STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS" AND NFPA 25-2011 "STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER BASED FIRE PROTECTION SYSTEMS".

CONTRACTOR TO COMPLETE WORK TO ALLOW FOR EASE OF UPGRADE OF THE EXISTING FIRE PROTECTION AND DOMESTIC WATERMANS IN THE FUTURE.

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER	JAW	2014.10.01

SEAL

DRAWN	CHECKED	DESIGNED	APPROVED
DATE 2014.09.19	USER APPROVAL		

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

PROJECT
PORTAGE AND MAIN CONCOURSE
CONCOURSE FIRE PROTECTION UPGRADES
DESIGN OF CONCOURSE FIRE PROTECTION UPGRADES

365 MAIN STREET
SHEET TITLE

MECHANICAL
EXISTING AND PROPOSED FIRE PROTECTION
EQUIPMENT LAYOUT

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2013-092	M1