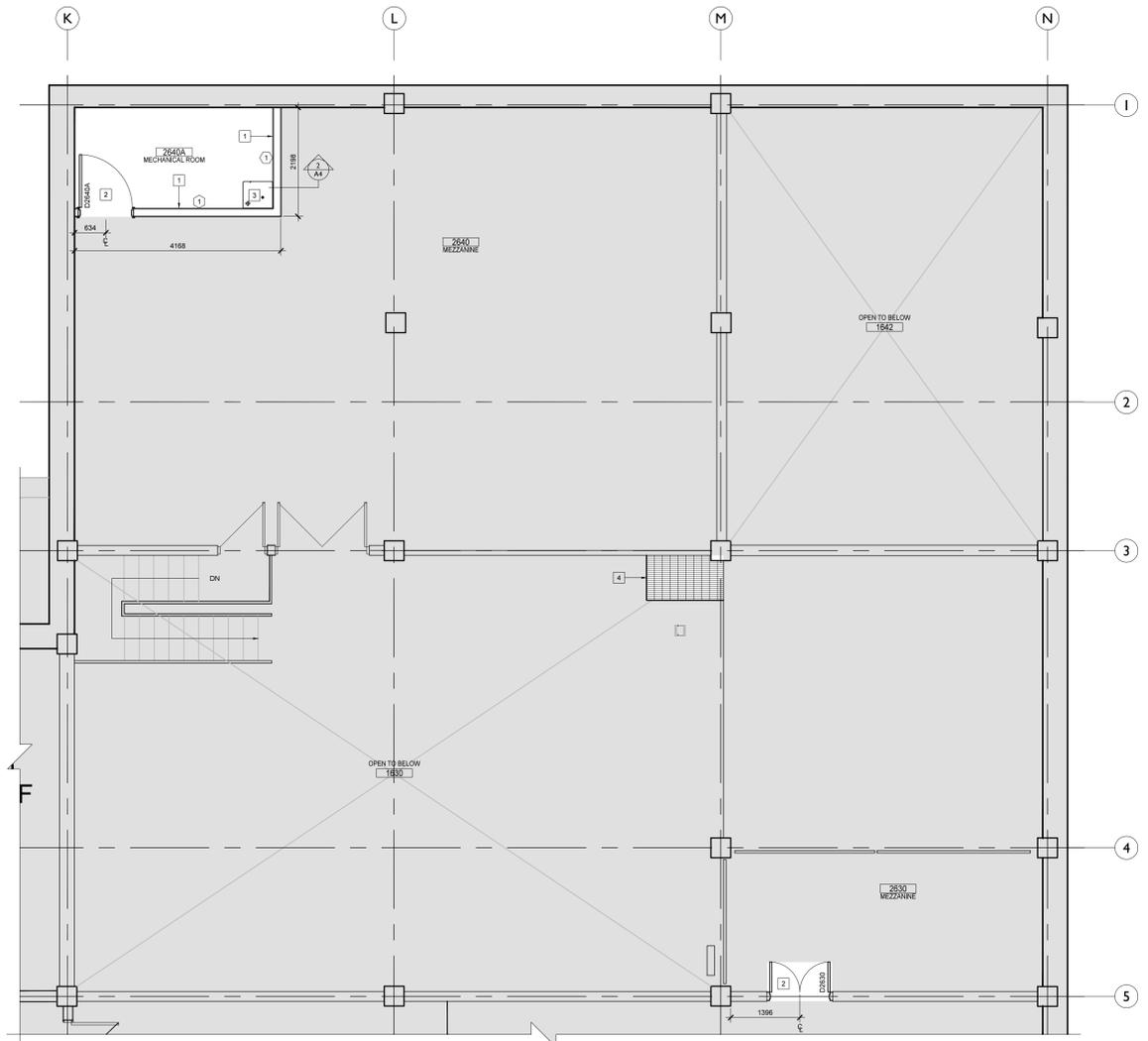


BUILDING KEY PLAN

LEGEND

**REPUBLIC ARCHITECTURE INC**

**HDK** HDK CONSULTING INCORPORATED  
 Mechanical | Electrical | Communications | Security Engineering



1 LARGE SCALE CONSTRUCTION PLAN  
 A4 SCALE: 1:50

**CONSTRUCTION LEGEND**

- NOT IN CONTRACT
- WALL EXISTING TO REMAIN
- PROVIDE NEW INTERIOR WALL
- EXISTING DOOR TO REMAIN
- PROVIDE NEW DOOR

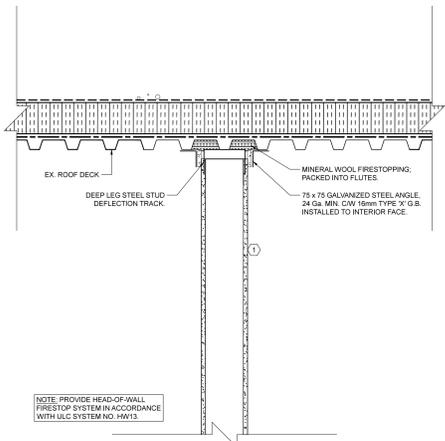
**INTERIOR WALL TYPES**

- 1 HR F.R.R. FIRE SEPARATION (U.L.C. DESIGN NO. W445)
  - PAINTED FINISH
  - 16mm TYPE 'X' GYPSUM BOARD
  - 12mm STEEL STUDS @ 400mm O.C. MAX.
  - 16mm TYPE 'X' GYPSUM BOARD
  - PAINTED FINISH
- 2 HR FIRE SEPARATION (U.L.C. DESIGN NO. U813)
  - PAINTED FINISH
  - 200mm CONCRETE MASONRY UNIT CONSTRUCTION
  - PAINTED FINISH

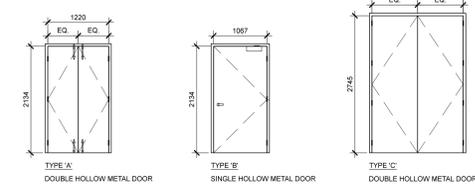
(PAINT COLOUR & FINISH TO BE CONFIRMED BY DEPARTMENT REPRESENTATIVE.)

**CONSTRUCTION KEYNOTES**

- PROVIDE NEW FULL HEIGHT FIRE SEPARATION CWV FIRESTOP SYSTEM WHERE ADJOINING WITH ADJACENT ASSEMBLIES & AS REQUIRED.
- PROVIDE HOLLOW METAL DOOR & FRAME. REFER TO DOOR AND HARDWARE SCHEDULES.
- NEW HUMIDIFIER. REFER TO MECHANICAL.
- NEW MEZZANINE CATWALK SYSTEM. REFER TO STRUCTURAL.
- REINSTALL PREVIOUSLY REMOVED STORAGE CABINETS. COORDINATE WITH DEPARTMENT REPRESENTATIVE.
- PROVIDE EPOXY FINISH TO EXISTING FLOOR. REFER TO SPECIFICATIONS. EXTENT OF AREA SHOWN THUS.



2 HEAD OF WALL DEFLECTION JOINT  
 A4 SCALE: 1:10



3 DOOR ELEVATIONS  
 A4 SCALE: 1:50

DOOR NO.	LOCATION	DOOR				FRAME		HARDWARE GROUP	NOTES
		TYPE	DEPTH	MATERIAL	SIZE (mm)	F.R.R.	MATERIAL		
D2630	MEZZANINE 2630	A	45 mm	H.M.	2 (610 x 2134)	-	H.M.	1	-
D2640A	MECHANICAL ROOM 2640A	B	45 mm	H.M.	1067 x 2134	3/4 HOUR	H.M.	3/4 HOUR	2
D2650	MEZZANINE 2650	C	45 mm	H.M.	2 (614 x 2745)	1-1/2 HOUR	H.M.	1-1/2 HOUR	3
D2651	INSTRUMENT STORAGE	C	45 mm	H.M.	2 (614 x 2745)	1-1/2 HOUR	H.M.	1-1/2 HOUR	4
D2672	GENERATOR ROOM	C	45 mm	H.M.	2 (614 x 2745)	1-1/2 HOUR	H.M.	1-1/2 HOUR	5

revisions	description	date
1	ISSUED FOR CONSTRUCTION	2017/06/30
0	ISSUED FOR 99% REVIEW	2017/04/28

project  
**NHRC MECHANICAL UPGRADES BOILERS REPLACEMENT**  
 NATIONAL HYDROLOGY RESEARCH CENTRE  
 11 INNOVATION BOULEVARD  
 SASKATOON, SASKATCHEWAN

SECOND FLOOR NEW CONSTRUCTION PLANS

Designed By: DEJ Congru par  
 Date: 2017/06/26 (yyyy/mm/dd)

Drawn By: DDO Dessiné par  
 Date: 2017/06/26 (yyyy/mm/dd)

Reviewed By: JFR Examiné par  
 Date: 2017/06/26 (yyyy/mm/dd)

Approved By: SS Approuvé par  
 Date: 2017/06/27 (yyyy/mm/dd)

Tender: Soumission

Project Manager: NIKOLAS FEHR Administrateur de projets  
 EC Proj no.: NHRC-010 Consultant Proj no.: 16131

Drawing no.: No. du dessin