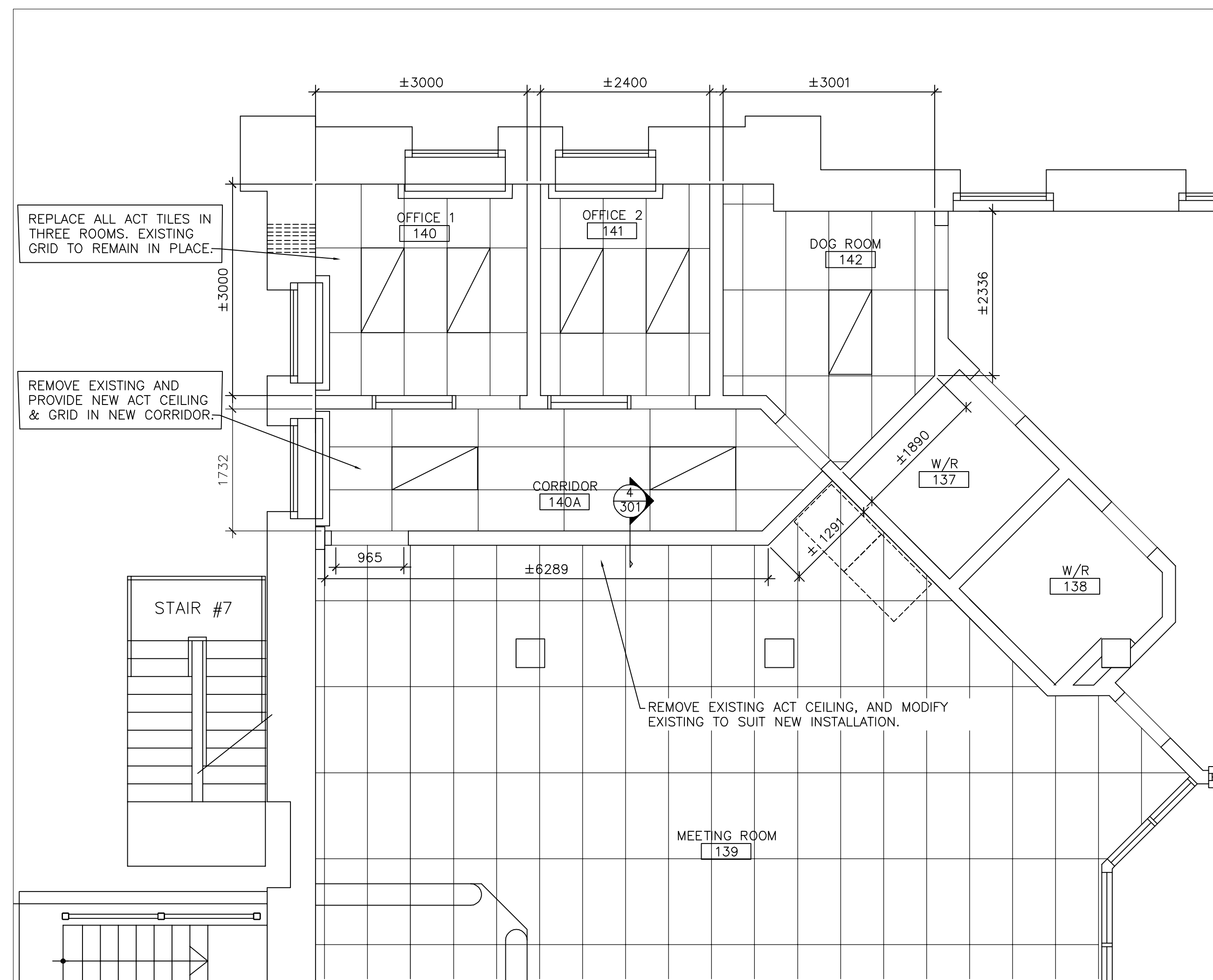
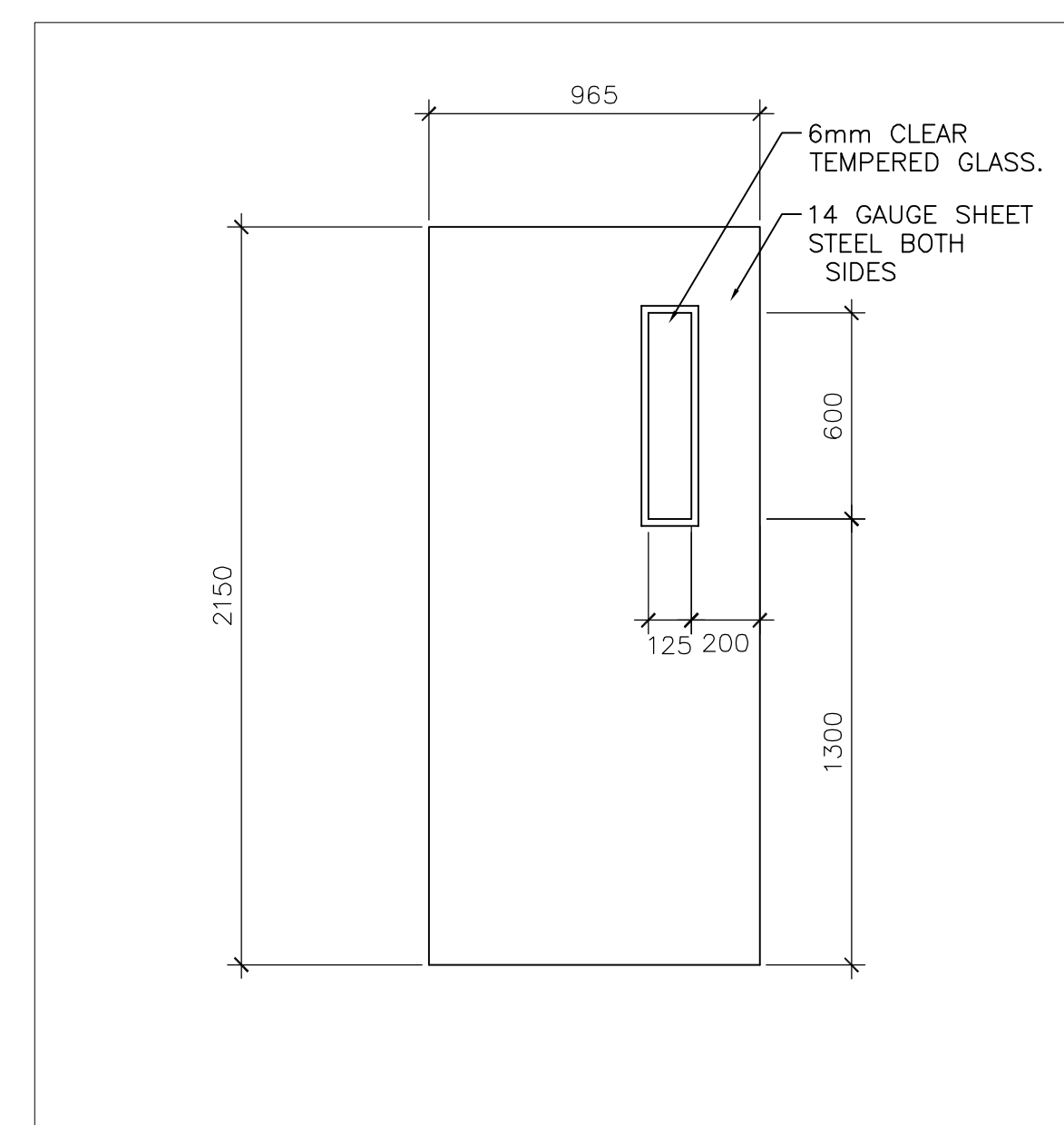


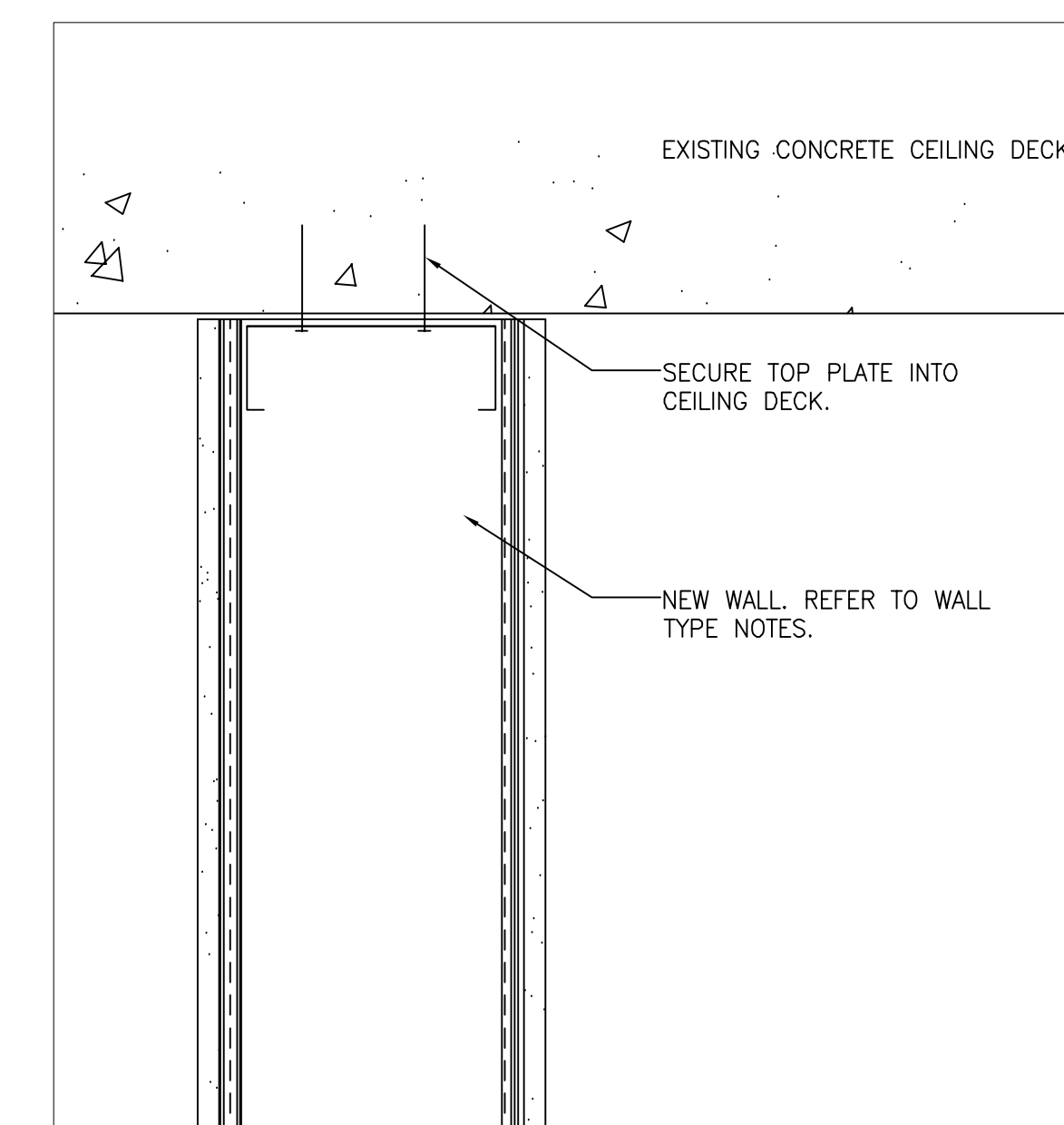
1 PARTIAL GROUND FLOOR PLAN  
SCALE 1:50



2 PARTIAL REFLECTED CEILING PLAN  
SCALE 1:50



3 DOOR D1 ELEVATION  
SCALE 1:20



4 TOP OF WALL SECTION  
SCALE 1:5

GENERAL NOTES:

- 1 - PAINT ALL NEW SURFACES AND ITEMS UNLESS PRE-FINISHED. COLOURS TO MATCH EXISTING ADJACENT.
- 2 - PROVIDE ALL NECESSARY PENETRATIONS FOR MECHANICAL AND ELECTRICAL. FULLY COORDINATE WITH ALL TRADES TO ENSURE ALL PENETRATIONS ARE INCLUDED.
- 3 - PATCH & REPAIR ALL IMPACTED EXISTING FINISHES AND SURFACES, INCLUDING PAINT, FLOORING, CEILING TILES, AND WALL BASE.
- 4 - MODIFY EXISTING ACT GRID TO ACCOMMODATE NEW WALLS AND NEW MECHANICAL & ELECTRICAL ITEMS. PROVIDE NEW MATCHING CEILING TILES AND GRID COMPONENTS AS NECESSARY.
- 5 - DURING CONSTRUCTION, PROVIDE FLOOR-TO-CEILING PLYWOOD HOARDING, SECURE TO SATISFACTION OF DEPARTMENTAL REPRESENTATIVE.
- 6 - RELOCATE EXISTING VENDING MACHINES AS INDICATED.
- 7 - REFER TO MECHANICAL & ELECTRICAL DRAWINGS FOR EXTENT OF WORK AND EXISTING CONDITIONS IN THE CEILINGS. REFER TO ELECTRICAL DRAWING FOR LIGHT FIXTURE LOCATIONS.
- 8 - PATCH & REPAIR AT ALL MECHANICAL AND ELECTRICAL REMOVALS, INCLUDING WHERE SPLIT A/C UNIT IS REMOVED. FULLY COORDINATE WITH ALL TRADES TO ENSURE PATCHING OF ALL FINISHES, WALLS, FLOORS AND CEILINGS IS PROVIDED FOR. ALLOW FOR PATCH ON FLAT ROOF WHERE SERVICES PENETRATE MEMBRANE.

NEW WALL ASSEMBLY

- NEW WALL OF 36x140mm STEEL STUDS AT 405mm O.C., WITH 15.9mm ABUSE-RESISTANT GWB ON 15.9mm PLYWOOD BOTH SIDES, AFFIXED TO CONCRETE SLAB BELOW & BECK ABOVE.
- NOTCH FRAMING AROUND EXISTING CONCRETE BEAMS ON STRUCTURAL DECK ABOVE.
- ALLOW FOR FRAMING AROUND EXISTING SERVICES THAT ARE TO REMAIN AT CEILING LEVEL.
- NEW RUBBER BASE BOTH SIDES.
- PAINT BOTH SIDES.

ROOM FINISH SCHEDULE

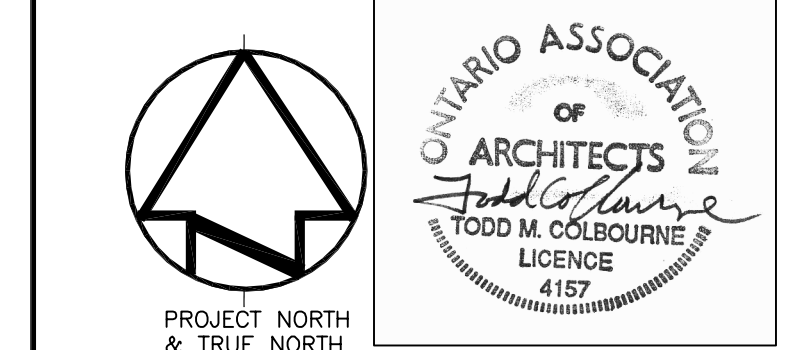
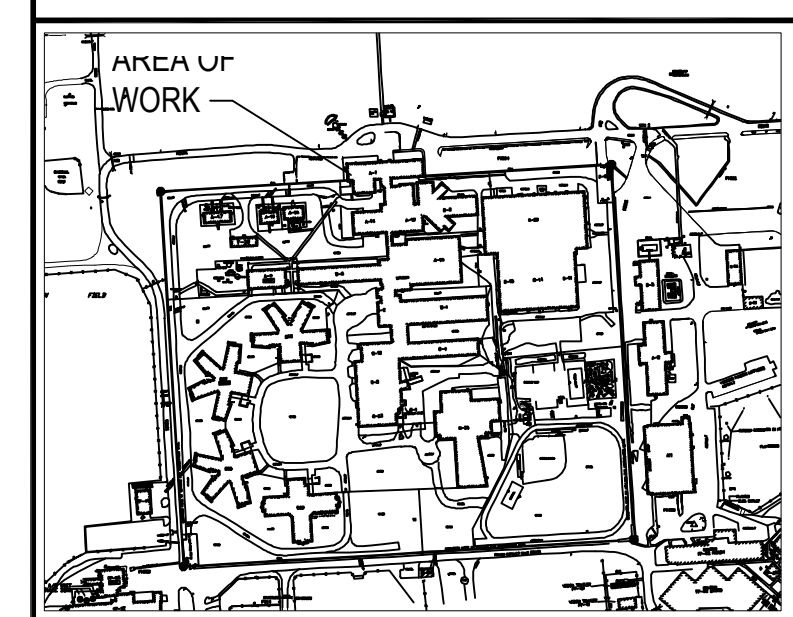
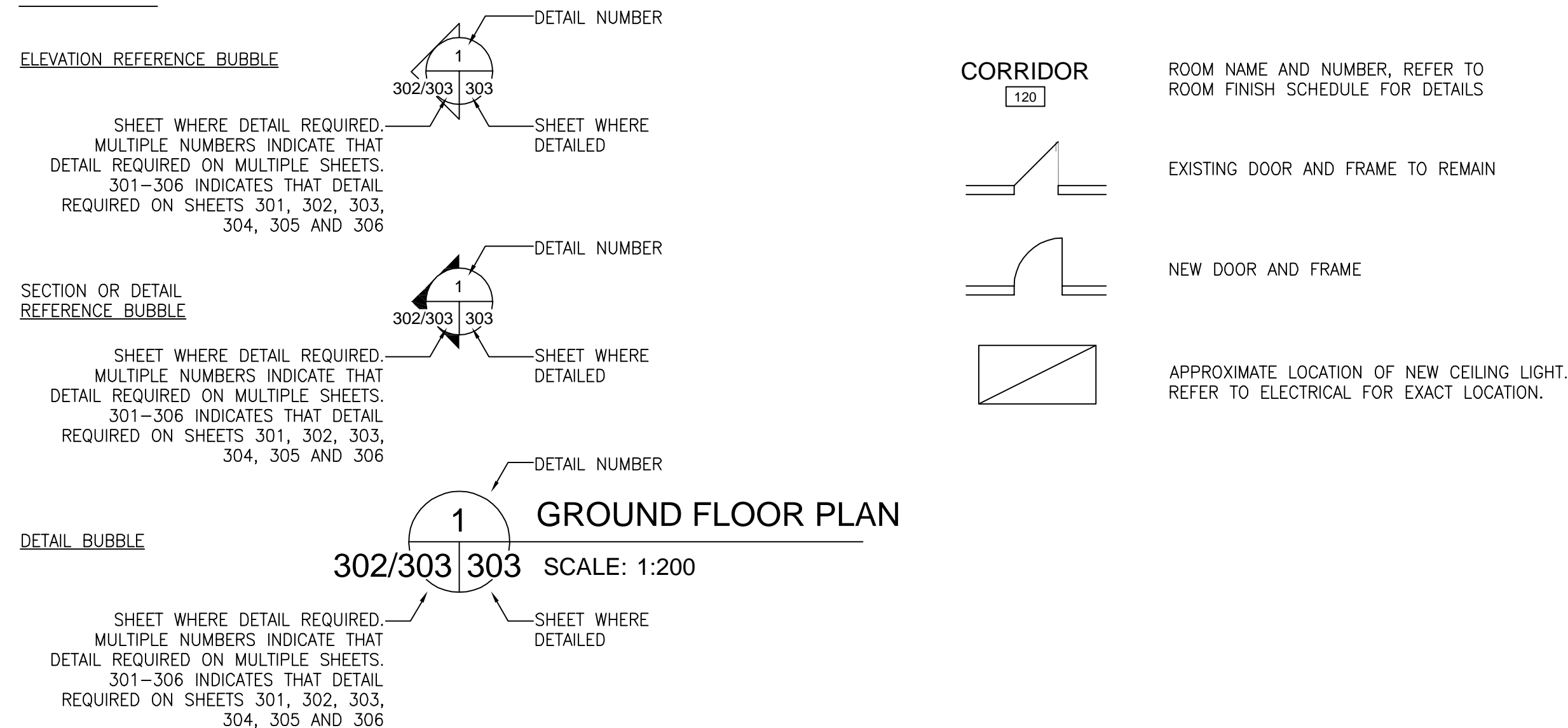
NOTE: ALL INDICATED FINISHES ARE NEW.

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING	REMARKS	
				NORTH	EAST	SOUTH	WEST			
139	MEETING ROOM	MAT'L	EXIST.	EXIST.	GWB	EXIST.	EXIST.	EXIST.	3100	PANT & RUBBER BASE ON NEW GWB WALL ONLY. MODIFY EXISTING ACT CEILING TO SUIT NEW WALL.
140	OFFICE 1	MAT'L	VCT	RUBBER	EXIST.	EXIST.	EXIST.	ACT TILES	3100	REMOVE EXISTING VCT FLOOR & RUBBER BASE. PAINT ALL WALLS, WINDOWS, DOORS & FRAMES. REPLACE ALL ACT TILES WITH NEW.
140A	CORRIDOR	MAT'L	VCT	RUBBER	EXIST.	EXIST.	GWB	EXIST.	3100	REMOVE EXISTING VCT FLOOR & RUBBER BASE. PAINT ALL WALLS, WINDOWS, DOORS & FRAMES. REPLACE ALL ACT TILES WITH NEW.
141	OFFICE 2	MAT'L	VCT	RUBBER	EXIST.	EXIST.	EXIST.	ACT TILES	3100	REMOVE EXISTING VCT FLOOR & RUBBER BASE. PAINT ALL WALLS, WINDOWS, DOORS & FRAMES. REPLACE ALL ACT TILES WITH NEW.
142	DOG ROOM	MAT'L	VCT	RUBBER	EXIST.	EXIST.	EXIST.	ACT TILES	3100	REMOVE EXISTING VCT FLOOR & RUBBER BASE. PAINT ALL WALLS, WINDOWS, DOORS & FRAMES. REPLACE ALL ACT TILES WITH NEW.

ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE	MIN	MINIMUM
APPROX	APPROXIMATE	O.C.	ON CENTRE
CB	CONCRETE BLOCK	PT	PAINT
CONC	CONCRETE	RB	RUBBER
ELEC	ELECTRICAL	TBD	TO BE DETERMINED
EXIST.	EXISTING	TYP	TYPICAL
EXT	EXTERIOR	U/S	UNDERSIDE
GWB	GYPSON WALL BOARD	VCT	VINYL COMPOSITE TILE
HM	HOLLOW METAL	VEND.	VENDING MACHINE
MAT'L	MATERIAL	W/	WITH
MECH	MECHANICAL	W/R	WASHROOM

LEGEND



PROJECT NORTH & TRUE NORTH

revision	description	date
01	ISSUED FOR TENDER, PERMIT, AND CONSTRUCTION	2019.04.22

Do not scale drawings. Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

A	Detail No. - No. du détail
B	drawing no. - where detail required
C	drawing no. - where detail required

project title  
titre du projet  
Kingston Ontario  
Correctional Service of Canada  
Pittsburgh Institution  
Highway 15, No. 3766  
COLLINS BAY INSTITUTION  
BUILDING A1

drawing title  
titre du dessin  
FLOOR PLAN &  
REFLECTED CEILING PLAN

drawn by  
dessiné par TJK

designed by  
conçue par HK

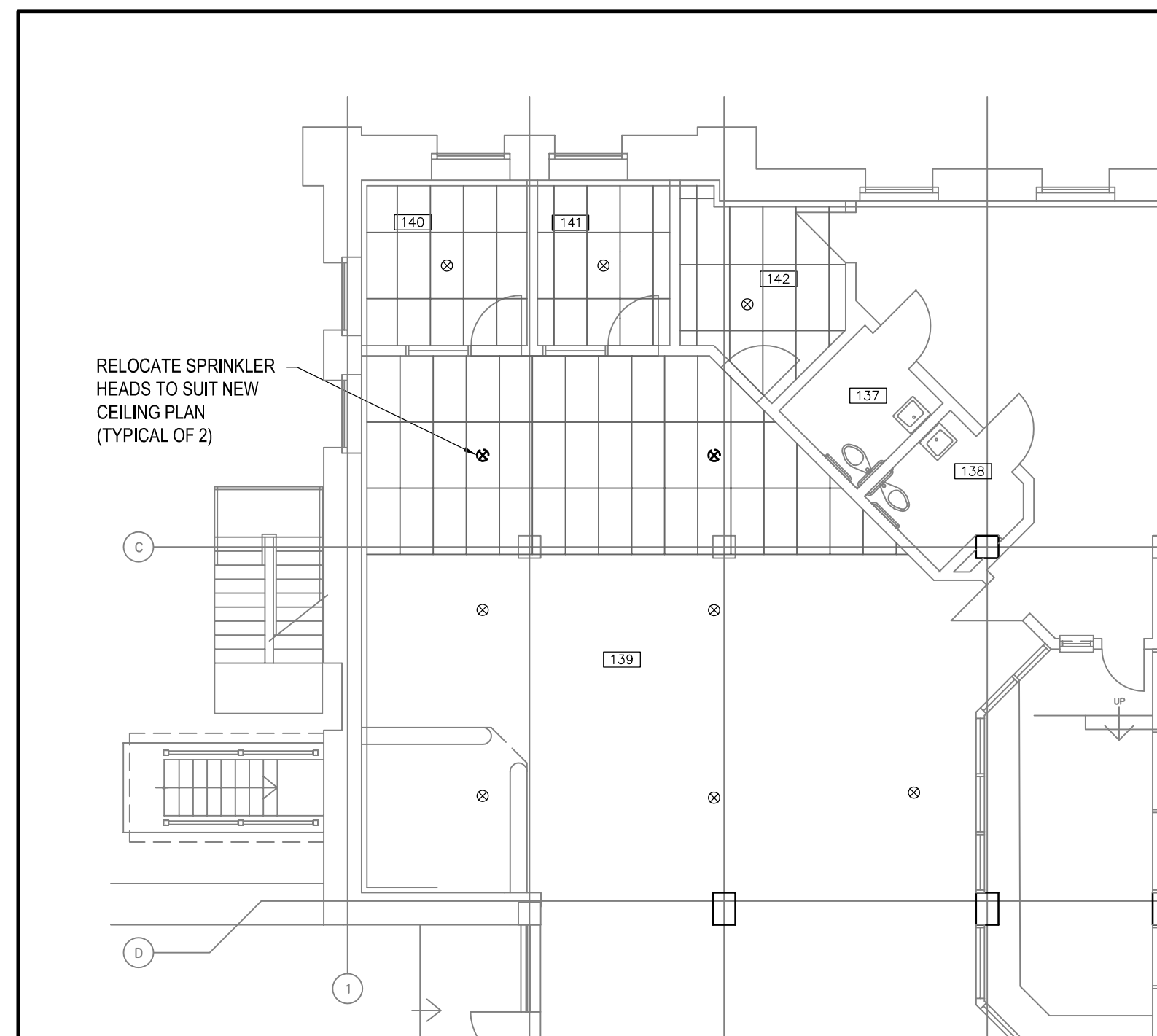
approved by  
approuvé par

bid  
offre project manager  
administrateur de projets

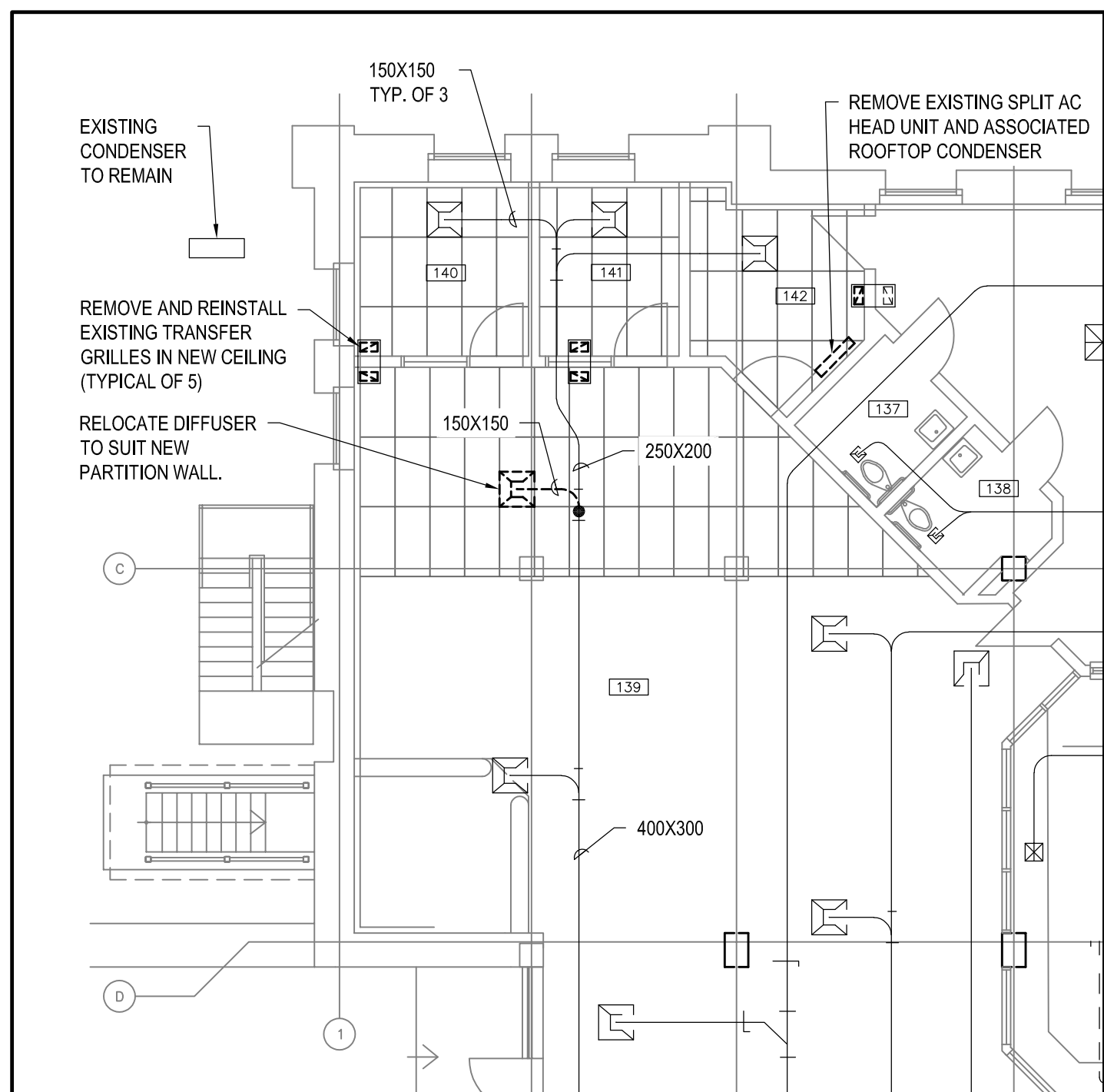
project date  
date du projet 2018-10-15

project no.  
no. du projet #440-1307-0

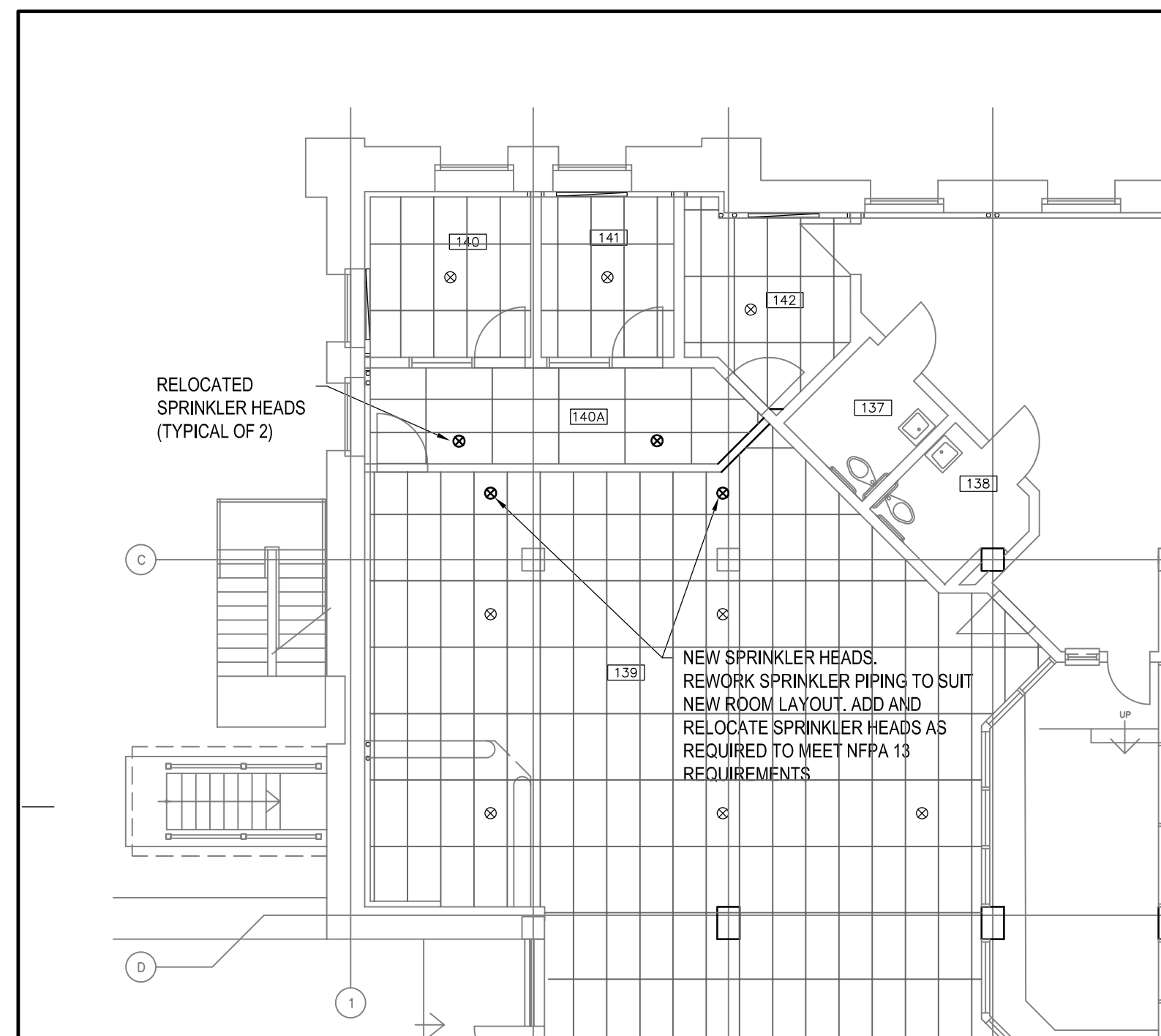
drawing no.  
dessiné no. 301



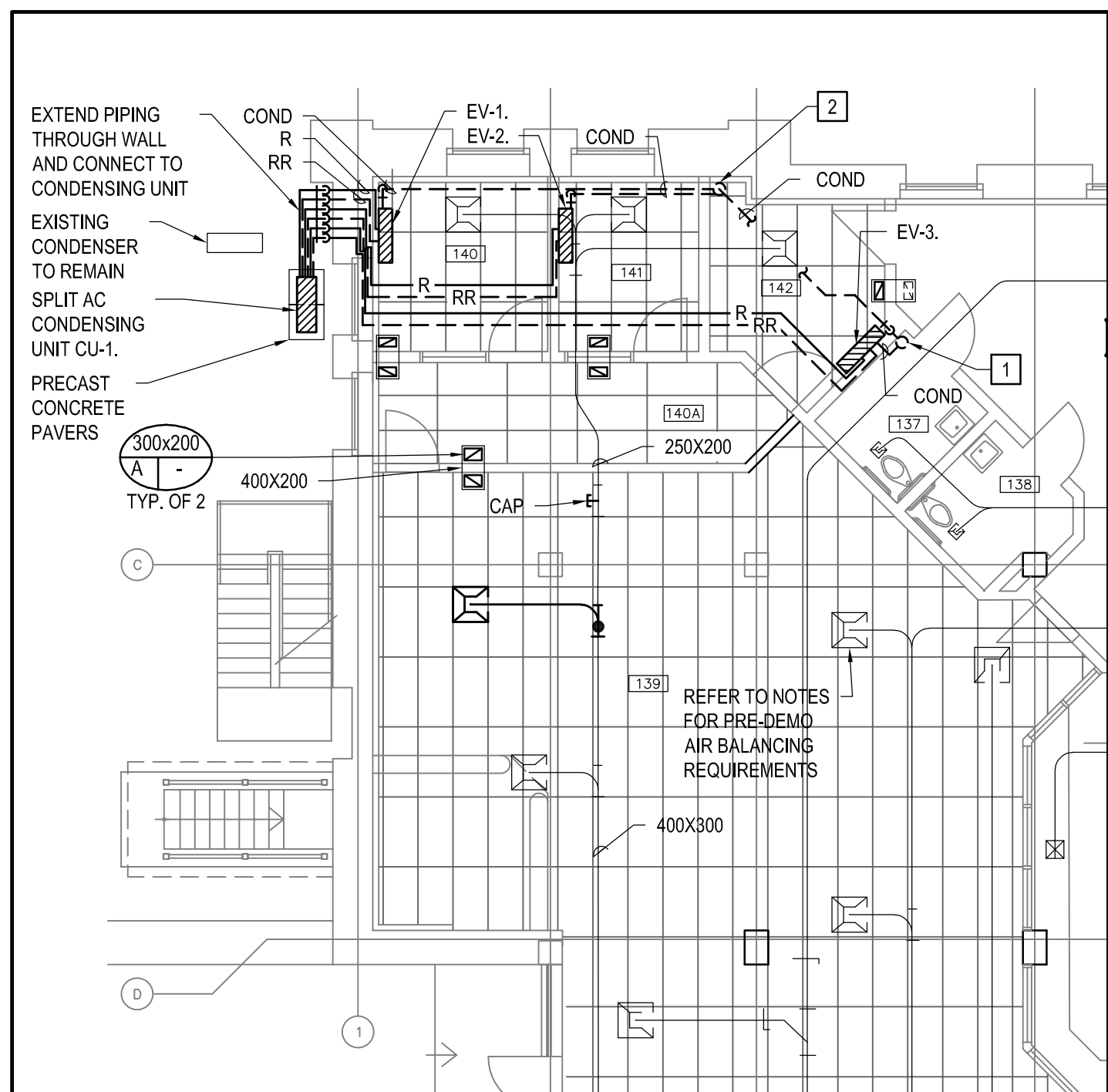
SPRINKLER DEMOLITION PLAN 2  
SCALE: 1:100



HVAC DEMOLITION PLAN 1  
SCALE: 1:100



SPRINKLER PLAN 4  
SCALE: 1:100



HVAC PLAN 3  
SCALE: 1:100

### LEGEND

- REMOVE EXISTING DUCTWORK/EQUIPMENT
- RIGID SUPPLY DUCTWORK
- RIGID RETURN DUCTWORK
- BALANCING DAMPER
- EXISTING SUPPLY DIFFUSER
- EXISTING RETURN DIFFUSER
- EXISTING RETURN GRILLE
- DOMESTIC COLD WATER PIPING (DCW)
- DOMESTIC HOT WATER PIPING (DHW)
- DOMESTIC HOT WATER RE-CIRCULATION PIPING (DHW-R)
- REFRIGERANT PIPING (R)
- REFRIGERANT RETURN PIPING (RR)
- SANITARY PIPING (SAN)
- SANITARY PIPING UNDER FLOOR/SLAB (SAN)
- CONDENSATE LINE (COND)
- EXISTING DOMESTIC COLD WATER PIPING (DCW)
- EXISTING DOMESTIC HOT WATER PIPING (DHW)
- EXISTING DOMESTIC HOT WATER RE-CIRCULATION PIPING (DHW-R)
- EXISTING SANITARY PIPING (SAN)
- EXISTING SANITARY PIPING UNDER FLOOR/SLAB (SAN)
- EXISTING RECESSED SPRINKLER HEAD
- NEW/RELOCATED RECESSED SPRINKLER HEAD
- DISCONNECT/RECONNECT EXISTING SERVICES WITH NEW
- GRILLE OR DIFFUSER TAG
- A- SIZE (mm)
- B- GRILLE OR DIFFUSER TYPE
- C- AIR FLOW (L/S)
- WHERE ROUND DUCT SIZE SERVING DIFFUSER IS NOT INDICATED, DUCT SIZE SHALL BE SIZE OF DIFFUSER NECK OPENING

### DRAWING NOTES

- EXISTING CONDENSATE DRAIN LOCATION
- CONNECT CONDENSATE LINES TO COPPER DRAIN PIPE. DRAIN PIPE TO RUN AT 2% SLOPE WITHIN CEILING SPACE AND CONNECT TO EXISTING CONDENSATE DRAIN LOCATION

### DEMOLITION NOTES

- PIPING REMOVALS TO INCLUDE HANGERS, SUPPORTS, RISERS, VALVES AND ALL OTHER ASSOCIATED EQUIPMENT.
- REMOVE ALL REDUNDANT PIPING BACK TO MAIN AND CAP.
- PROVIDE TEMPORARY MEASURES AS REQUIRED TO MAINTAIN DRAINAGE AND VENTING OF SANITARY SERVICES WITHIN EXISTING STRUCTURE UNDER THIS CONTRACT THROUGHOUT DURATION OF CONSTRUCTION.
- PROVIDE TEMPORARY MEASURES AS REQUIRED TO MAINTAIN DOMESTIC HOT AND COLD WATER TO AREAS WITHIN EXISTING STRUCTURE WHICH MAY BE AFFECTED BY CONSTRUCTION WORK UNDER THIS CONTRACT THROUGHOUT THE DURATION OF CONSTRUCTION.
- REFER TO ARCHITECTURAL FOR CONSTRUCTION PHASING REQUIREMENTS.

### GENERAL NOTES

- EXISTING MECHANICAL SYSTEMS SHOWN ARE DIAGRAMMATIC. THE DRAWINGS MAY NOT REPRESENT "AS-BUILT" CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ON SITE PRIOR TO TENDER CLOSE, THE EXTENT AND CONFIGURATION OF EXISTING MECHANICAL SYSTEMS AND ALLOW FOR ADDITIONAL REMOVALS AS DETERMINED ON SITE TO MEET THE INTENT OF THE DEMOLITION INDICATED. NO EXTRAS WILL BE ALLOWED FOR FAILURE OF THE CONTRACTOR IN COMPLETING A THOROUGH REVIEW OF THE SITE PRIOR TO SUBMITTING TENDER PRICE.
- WALLS SHALL BE SCANNED BEFORE ANY CORING IS DONE. COORDINATE WITH GENERAL CONTRACTOR.
- PIPING SHOWN IN LOCATIONS IS TO BE COORDINATED WITH ALL OTHER TRADES.
- PROVIDE COMPLETE, FULLY TESTED AND OPERATIONAL MECHANICAL SYSTEMS TO MEET THE REQUIREMENTS DESCRIBED HEREIN AND IN COMPLETE ACCORD WITH APPLICABLE CODES AND ORDINANCES.
- FOLLOW MANUFACTURERS RECOMMENDED INSTALLATION DETAILS AND PROCEDURES FOR EQUIPMENT, SUPPLEMENTED BY REQUIREMENTS OF CONTRACT DOCUMENTS.
- CONTRACTOR SHALL PROVIDE AIR BALANCING REPORT PRIOR TO DEMOLITION, RECORDING PRE-CONSTRUCTION SYSTEM AIRFLOWS AT ALL AIR OUTLETS WITHIN CONSTRUCTION AREA AS WELL AS OVERALL AIRFLOW TO EACH FURNACE.

**CONTRACT DRAWINGS**  
CONTRACT DRAWINGS FOR MECHANICAL WORK ARE IN PART DIAGRAMMATIC. INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT FOR MECHANICAL SYSTEMS AND EQUIPMENT. CONTRACTOR TO COORDINATE LAYOUT OF MECHANICAL SYSTEMS WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL BUILDING COMPONENTS, AS WELL AS OTHER MECHANICAL SYSTEMS. PROVIDE ADDITIONAL PIPING, DUCTING, FITTINGS, SUPPORTS, ETC., REQUIRED TO FACILITATE THE WORK. NO EXTRA PAYMENTS ARISING FROM FAILURE TO MAKE THIS COORDINATION WILL BE CONSIDERED.

### FIRE PROTECTION NOTES

- SPRINKLER WORK TO BE MEET NFPA 13.
- SPRINKLER COVERAGE TO BE ORDINARY GROUP 2, UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR EXACT CEILING LAYOUTS.
- REFER TO ELECTRICAL DRAWINGS FOR LIGHTING LAYOUT COORDINATION.
- REFER TO MECHANICAL DRAWINGS FOR DIFFUSER/GRILLE LAYOUT COORDINATION.
- SPRINKLER SYSTEM LAYOUT SHALL BE CLOSELY COORDINATED WITH DUCTWORK, PLUMBING, ELECTRICAL, STRUCTURAL, AND ARCHITECTURAL ELEMENTS. PIPING SHOWN ON DRAWINGS IS FOR GUIDANCE AND GENERAL ROUTING ONLY. SPRINKLER CONTRACTOR SHALL PROVIDE ALL NECESSARY PIPING FITTINGS REQUIRED FOR INSTALLATION.
- SPRINKLER CONTRACTOR TO CHECK SPRINKLER COVERAGE AND PROVIDE HEADS TO MEET NFPA 13 SPACING, OBSTRUCTION RULES OR COVERAGE REQUIREMENTS.
- WHERE SPRINKLER HEADS AND PIPING ARE NOT SHOWN, CONTRACTOR TO LAYOUT SPRINKLER HEADS AND PIPING IN ACCORDANCE WITH NFPA 13.
- NO PENETRATIONS ARE PERMITTED THROUGH BLOCK INTELS OR BOND BEAMS, UNLESS APPROVED BY STRUCTURAL ENGINEER.
- SPRINKLER INSTALLATION TO BE CONCEALED IN AREAS WITH FINISHED CEILINGS AND EXPOSED IN AREAS OF EXPOSED CONSTRUCTION.
- SPRINKLER HEADS TO BE RECESSED TYPE IN AREAS OF FINISHED CEILINGS AND A COMBINATION OF UPRIGHT AND PENDANT IN AREAS OF EXPOSED CONSTRUCTION.
- SPRINKLER HEAD LOCATIONS SHOWN ARE FOR REFERENCE ONLY. REFLECTED CEILING PLANS ARE SHOWN FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT CEILING LAYOUTS.
- SPRINKLER MAINS AND BRANCH LINES ARE NOT TO BE ROUTED WHERE CABLE TRAY IS LOCATED.
- MAINTAIN 900mm CLEARANCE FROM ALL MECHANICAL AND ELECTRICAL EQUIPMENT AND VALVES WITHIN CEILING SPACE.
- PENDANT HEADS IN PREACTION SYSTEMS SHALL BE INSTALLED WITH RETURN BEND BRANCH PIPING.
- CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LAYOUTS WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS IN ORDER TO AVOID OBSTRUCTION OF SPRINKLER HEAD. SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF TILES IN T-BAR CEILINGS IN ONE OF THE FOLLOWING LOCATIONS:

### DUCTLESS SPLIT AIR CONDITIONER

OUTDOOR UNIT					INDOOR UNIT				
TAG	CAPACITY	POWER	MIN AMPACITY	MAX FUSE	TAG	CAPACITY	SUPPLY AIR L/s(CFM)	SOUND (dB)	NOTES
CU-1	22000-23600	208/1160	22.1	25	EV-1	9000	65-180(137-381)	20-40	1,2,3
					EV-2	9000	65-180(137-381)	20-40	1,2,3
					EV-3	6000	65-180(137-381)	20-40	1,3

NOTES:  
1. FEED FOR INDOOR UNIT FROM CORRESPONDING OUTDOOR UNIT  
2. PROVIDE CONDENSATE DRAIN PUMP AS PER MECHANICAL SPECIFICATIONS  
3. EQUIPMENT SELECTION BASED ON MITSUBISHI ELECTRIC

### GRILLE & DIFFUSER SCHEDULE

DESIGNATION	A
FUNCTION	TRANSFER
MANUFACTURER	KRUEGER
MODEL	S80
FASTENING/FRAME	T-BAR CEILING
FINISH	TO MATCH WALL
REMARKS	SIZE AS NOTED ON DRAWING
ALTERNATES	TITUS, NAILOR HART, KRUEGER

consultant

1224 GARDINERS ROAD, SUITE 201  
KINGSTON, ONTARIO  
CANADA K7P 0G2  
PHONE: 613-634-7373 FAX: 613-634-3523  
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key plan



revision	description	date
01	ISSUED FOR TENDER, PERMIT AND CONSTRUCTION	2019.04.22

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A Detail No. No. du détail  
B drawing no. - where detail required dessin no. - où détail exigé  
C drawing no. - where detailed dessin no. - où détaillé

project title  
titre du projet  
**KINGSTON COLLINS BAY INSTITUTION** Ontario

**A-1 V&C DOG HANDLERS AREA RENOVATIONS**

drawing title  
titre du dessin  
**MECHANICAL FIRE PROTECTION, HVAC LAYOUT, AND SCHEDULES**

drawn by  
dessiné par ET

designed by  
conc par ET

approved by  
approuvé par AS

bid offer project manager  
offre de projet administrateur de projets

project date  
date du projet 2018-10-15

project no.  
no. du projet #440-1307-0

drawing no.  
dessiné no. 401

