

Addendum No: 9
Date: February 15, 2024
Owner: Northern Health
Stantec # 144320228

This addendum is to be read with and constitutes part of the tender document.

GENERAL

0.0 SPECIFICATIONS

Section 23 05 14 – Variable Speed Drives

Delete Section 2.7 Harmonic Filters. Harmonic filters are not required.

Section 23 73 11 – Air Handling Units – Custom

Delete Clause 1.5.3.

1.0 DRAWINGS

AD151- LEVEL 0 – EXISTING & DEMOLITION CEILING PLAN – OVERVIEW

Drawing 2 updated to show better mechanical route for new duct.

M102 – LEVEL 0 – HVAC – OVERVIEW

Refer to attached sheet M102

Revised EA ductwork routing in Bulk Storage area. Added noting to re & re existing services located in ceiling space.

Revised EA ductwork routing in Garbage Room. Sprinkler piping and heads in Garbage Room to be relocated as necessary.

Added images and notes to provide clarification of EA duct routing and existing services.

Added 2-hr fire wrap for ductwork within garbage room.

M500 – Mechanical Schedule

Revised note 9 in AHU schedule to read: Supply, install and wire variable frequency drives (VFD) complete with disconnect switch, for speed control of all fans. Motors shall be fitted with shaft grounding.

Electrical Scope pertaining to the changes outlined in above in M102:

Relocate existing lights within the path of the new duct work. Coordinate new locations on site. Extended wiring and conduits as required to the new locations. Refer to the revised drawing M102 for the scope of the new ductwork.

2.0 CLARIFICATIONS

Question: Manufactured Metal Casework

- 1. Due to size and location of “L” shaped worktop on Elev AE201 / 4, worktop will be 2 separate pieces with a mechanical seam. Seam will not be welded. Please confirm.

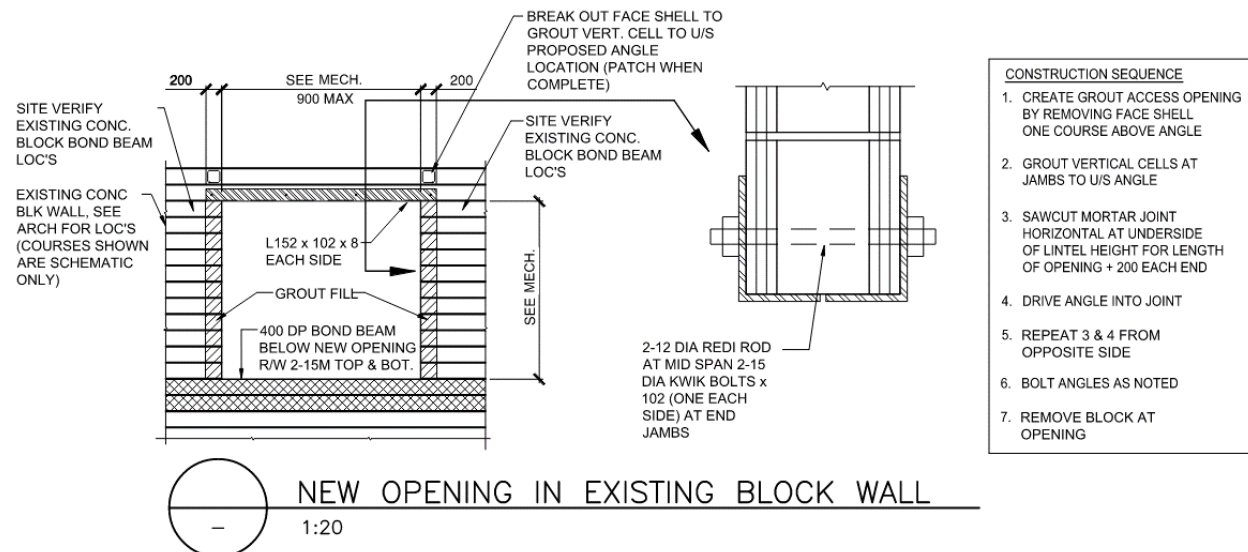
Answer: Yes, seam not to be welded. No exposed wood in any location, all surfaces need to be 100% cleanable and nonporous as shown on drawings AE302 Millwork details.

Question: For the ducting that is going through the concrete wall into the garbage room, will this require a smoke/fire damper? Will the 750mmx400mm opening require any additional structural engineering from the engineer on record or will and reinforcing need to be complete?

Can you please provide the required break down list required for the submittal package?

Will the 750mmx400mm opening require any additional structural engineering from the engineer on record or will and reinforcing need to be complete?

Answer: “Reinforcing details have been provided in structural set for duct opening through garbage roof slab and L1 roof slab. Contractor to confirm on site the structure of roof slabs and garbage room walls. For opening through block walls, reinforcing with steel angle and through bolts will be required at top of opening as per attached detail. Notify structural engineer if any discrepancy is found between structural drawings and existing structure.”



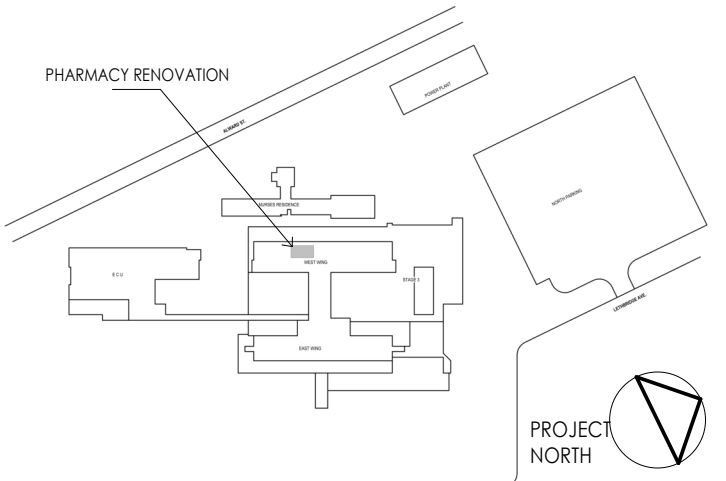
Provide 2-hr rated fire wrap for the new exhaust ductwork inside the garbage room.
Also, verify the tie-in points to the existing steam and condensate systems inside the garbage room with NHA. Coordinate required shutdowns with NHA and provide isolation valves at the tie-in points.

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END OF ADDENDUM #9



GENERAL NOTES:

1. COORDINATE WITH FMO FOR THE REQUIRED SHUTDOWNS. PRIOR TO RE-ACTIVATING A SYSTEM THAT IS SHUTDOWN, PERFORM A THOROUGH INSPECTION OF THE SYSTEM TO ENSURE THE SYSTEM IS READY FOR RE-COMMISSIONING I.E. THE STEAM LINES SHALL BE DRAINED TO PREVENT STEAM HAMMERING.

RELOCATE THE EXISTING SPRINKLER PIPING AND HEADS TO SUIT THE NEW DUCTWORK AND PIPING TO MAINTAIN COVERAGE PER NFPA 13 (TYP.)

COORDINATE THE EXACT LOCATION OF OPENING THE WALL FOR THE NEW DUCTWORK ON SITE (TYP.)



2 GARBAGE ROOM PENETRATION
M102 NTS

EXISTING UNIT HEATER TO REMAIN. MAINTAIN CLEARANCE TO UNIT HEATER PER MANUFACTURER'S RECOMMENDATIONS

RELOCATE THE EXISTING SPRINKLER PIPING AND HEADS TO SUIT THE NEW DUCTWORK AND PIPING TO MAINTAIN COVERAGE PER NFPA 13 (TYP.)



FIELD DETERMINE THE EXACT ROUTING OF NEW DUCTWORK TO AVOID CONFLICT WITH THE EXISTING EQUIPMENT AND SERVICES (TYP.)

COORDINATE WITH ELECTRICAL CONTRACTOR FOR RELOCATION OF ALL LIGHT FIXTURES ALONG THE PATH OF THE NEW DUCTWORK (TYP.)

REROUTE EXISTING PIPING TO AVOID CONFLICT WITH NEW DUCTWORK (TYPICAL)

3 GARBAGE ROOM DUCT ROUTING
M102 NTS



DEMOLISH EXISTING BULKHEAD BETWEEN GL D AND THE GARBAGE ROOM. PROVIDE NEW BULKHEAD ONCE THE NEW EXHAUST DUCT IS INSTALLED.

TEMPORARY SUPPORT EXISTING CABLES AND OTHER SERVICES THAT ARE SUPPORTED FROM THE BULKHEAD

4 BULK STORAGE BULKHEAD
M102 NTS



NEW DUCTWORK TO BE INSTALLED ABOVE THE CEILING. COORDINATE WITH GC FOR RE- AND RE- OF EXISTING SERVICES. PROVIDE ACCESS PANELS TO ACCESS SERVICES AND EQUIPMEEN ABOVE THE CEILING (TYPICAL)

RELOCATE AND RECOMMISSION EXISTING LIGHTS, SPRINKLER HEADS, SPEAKERS AND ASSOCIATED PIPING AND WIRING TO ALLOW INSTALLATION OF NEW DUCTWORK AND PIPING (TYPICAL OF ALL).

5 BULK STORAGE DUCT ROUTING
M102 NTS

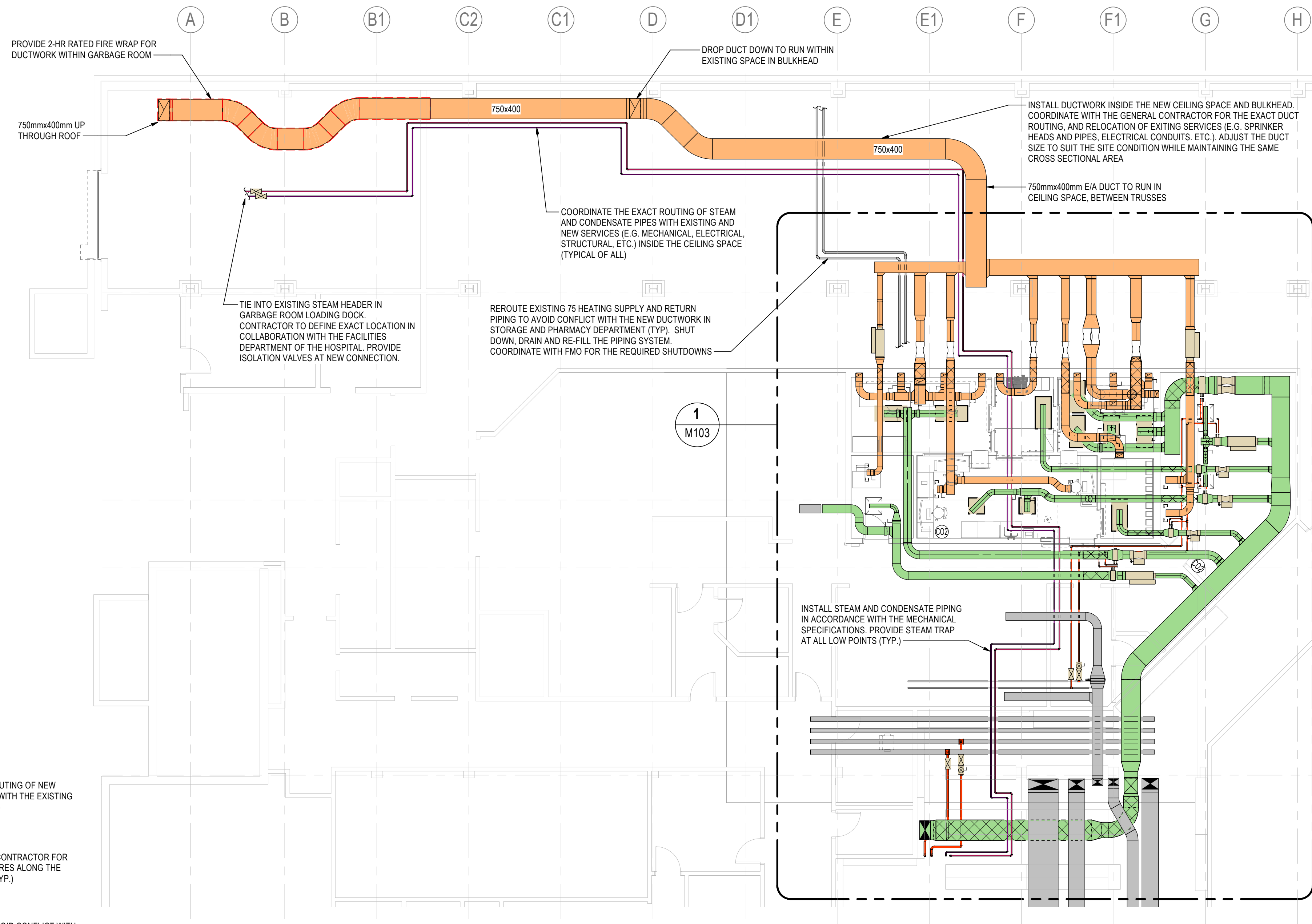


REMOVE EXISTING AND PROVIDE NEW HANGERS AND SUPPORTS FOR CEILING, PIPING, ETC. TO ALLOW INSTALLATION OF THE NEW SERVICES.

RELOCATE EXISTING WIRING, CONDUITS AND JUNCTION BOXES TO AVOID INTERFERENCE WITH NEW DUCTWORK AND PIPING (TYP. OF ALL)

ADJUST THE STUDS ABOVE THE CEILING TO PROVIDE SUFFICIENT SPACE FOR INSTALLATION OF NEW DUCTWORK (TYP.)

6 BULK STORAGE CEILING SPACE
M102 NTS



1 LEVEL 0 HVAC OVERVIEW PLAN
M102 1:100

| ADDENDUM | DATE | BY | APPD |
|-----------------|------------|----|------------|
| 3 | 2024-02-15 | CH | MB |
| 2 | 2024-02-09 | CH | MB |
| 1 | 2023-09-28 | MD | MB |
| Issued/Revision | | By | Appd |
| | | | YYYY.MM.DD |

Permit/Seal

Client/Project Logo



Client/Project
Northern Health Authority

UHNBC (University Hospital of Northern BC) - Pharmacy upgrade

1475 Edmonton St, Prince George, BC V2M 1S2

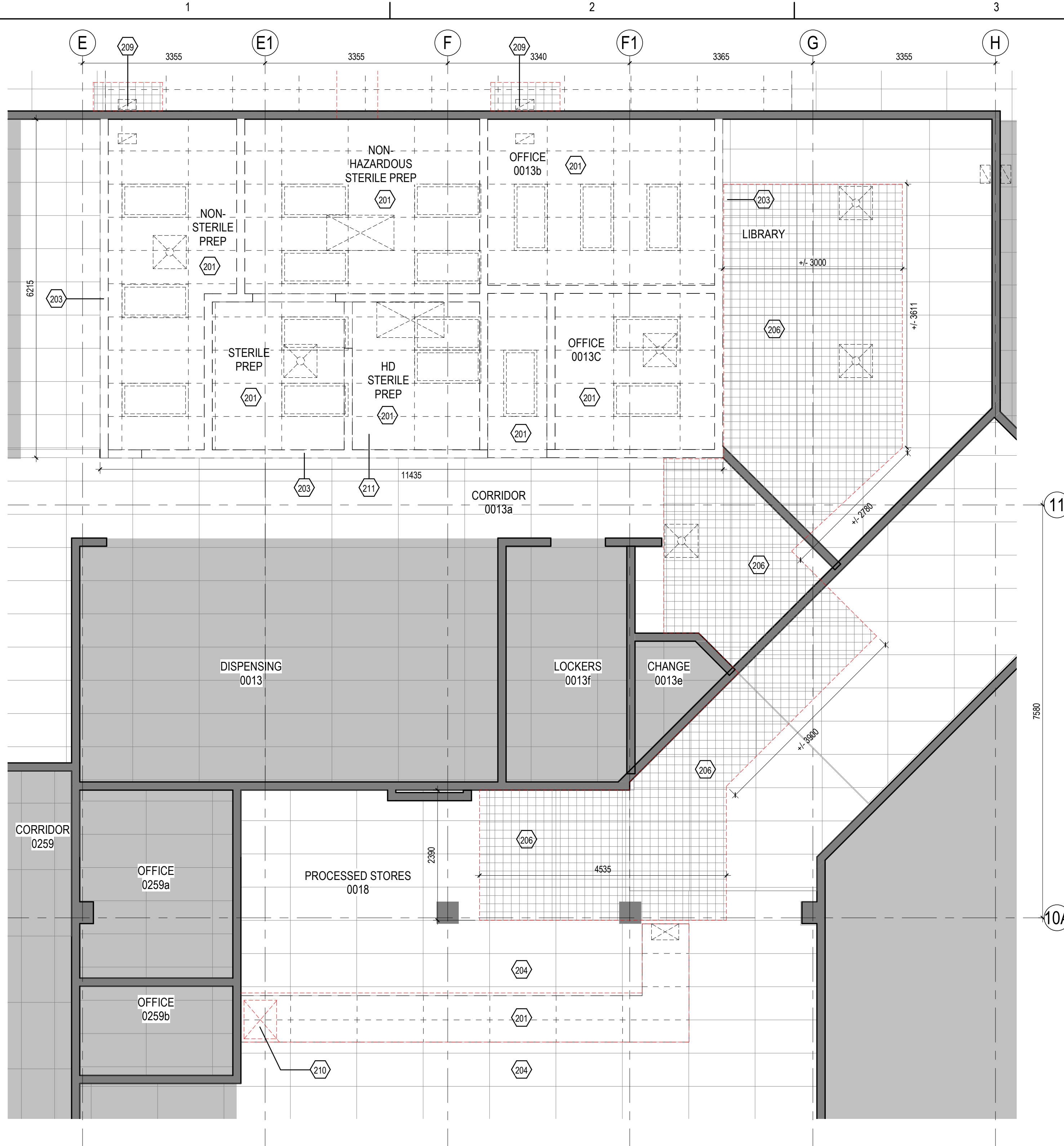
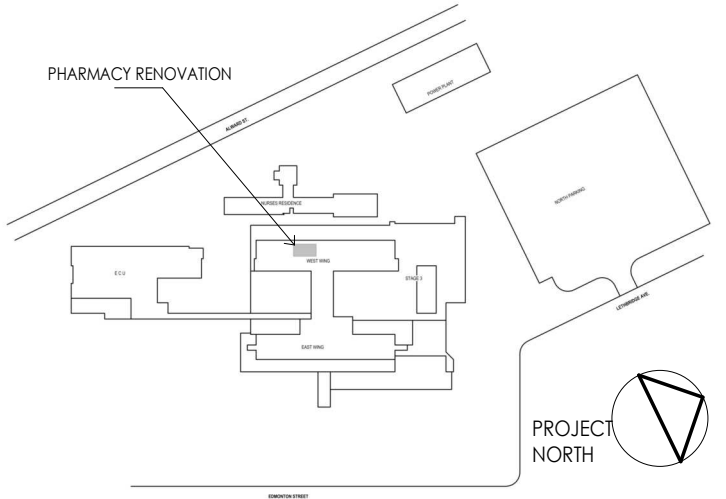
Title
LEVEL 0 - HVAC - OVERVIEW

Project No.
144320228

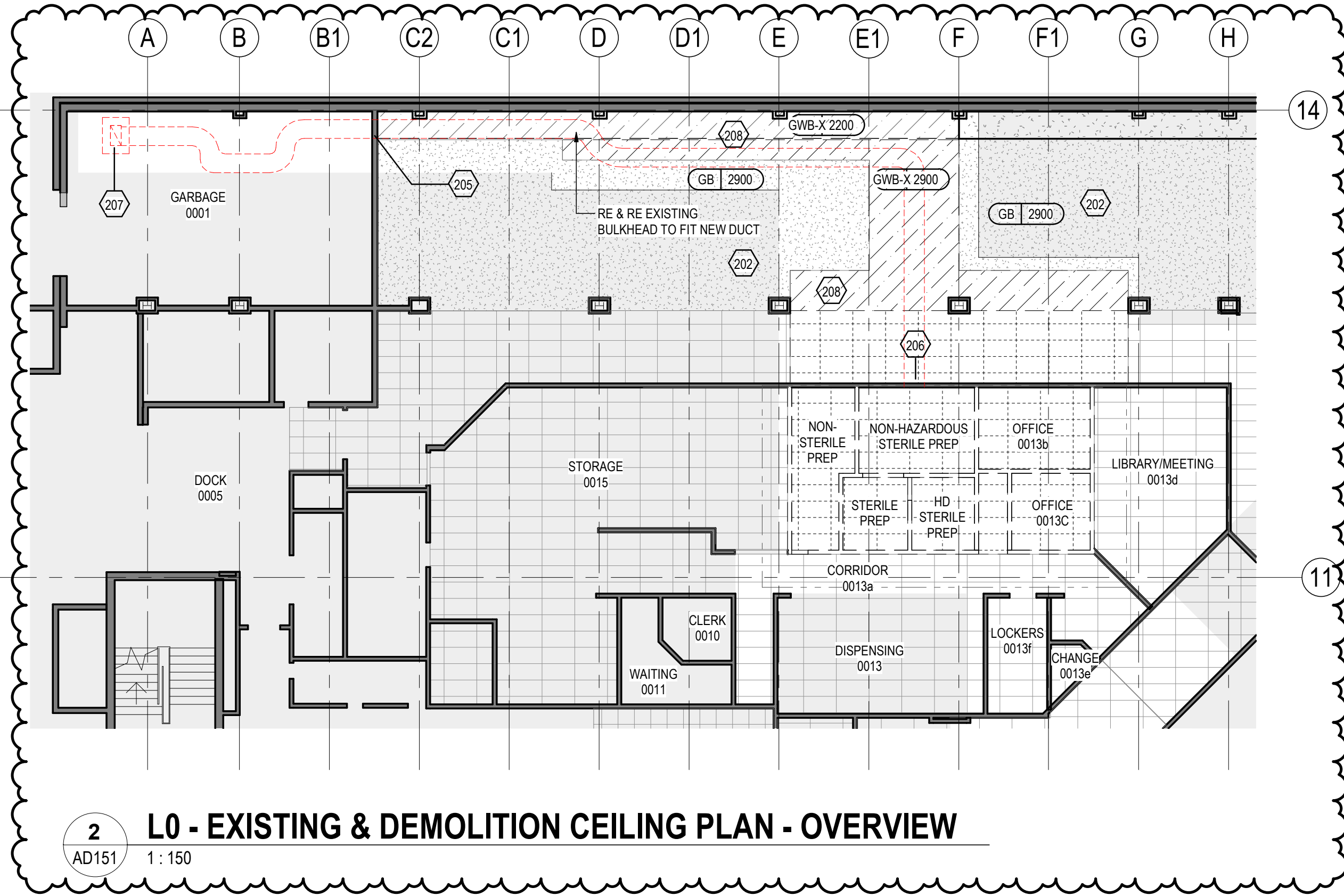
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Scale
As indicated

Drawing No.
M102



1 L0 - EXISTING & DEMOLITION CEILING PLAN - PHARMACY
AD151 1:50



2 L0 - EXISTING & DEMOLITION CEILING PLAN - OVERVIEW
AD151 1:150

CEILING DEMOLITION KEYNOTES

- 201 REMOVE EXISTING ACOUSTIC CEILING TILES & GRIDS AND MECHANICAL GRILLES AND ELECTRICAL FIXTURES. REFER TO MECHANICAL AND ELECTRICAL.
- 202 EXISTING GB CEILING TO REMAIN. PATCH AND MAKE GOOD.
- 203 EXISTING ACT AND GRID TO REMAIN - ADJUST TO SUIT NEW PARTITION. REPLACE DAMAGED TILES AS REQUIRED.
- 204 EXISTING ACT AND GRID TO REMAIN - ADJUST AND ALIGN TO NEW BULKHEAD. REPLACE DAMAGED TILES AS REQUIRED.
- 205 OPENING IN EXISTING WALL TO SUIT MECHANICAL DUCTS/PIPING - REFER TO MECHANICAL.
- 206 REMOVE EXISTING CEILING TILES & GRIDS TO ALLOW FOR MECHANICAL WORK. SET ASIDE AND SALVAGE MECHANICAL GRILLES AND ELECTRICAL FIXTURES FOR RELOCATION. REINSTATE AND REPLACE ANY DAMAGED TILES & GRIDS AND FIXTURES.
- 207 OPENING IN EXISTING ROOF TO SUIT MECHANICAL DUCTS - REFER TO MECHANICAL AND STRUCTURAL.
- 208 DEMOLISH EXISTING BULKHEAD TO ACCOMMODATE FOR MECHANICAL WORK. SET ASIDE ALL FIXTURES AND ACCESSORIES FOR RELOCATION. REBUILD UPON WORK COMPLETION TO MATCH EXISTING ALIGN AND LEVEL EXIST. AND NEW GWB CEILINGS.
- 209 REMOVE EXISTING ACT & GRID TO SUIT TRANSFER GRILL & DUCTWORK DEMOLITION WORK AND REINSTALL. REPLACE ANY DAMAGED TILES. REFER TO MECHANICAL AND ELECTRICAL.
- 210 SLAB OPENING TO SUIT MECHANICAL DUCTS - REFER TO MECHANICAL AND STRUCTURAL.
- 211 DEMOLISH EXISTING BIO-SAFETY CABINET DUCT CONNECTION, CAP AND LABEL DUCTS. REFER TO MECHANICAL.

DEMO CEILING LEGEND

- GWB-X: EXISTING CEILING AND FIXTURES TO BE REMOVED
- ACT: EXISTING CEILING TO BE MODIFIED TO SUIT NEW/MODIFIED PARTITIONS AS REQUIRED
- ACT-X: EXISTING SUSPENDED CEILING (GRIDS & TILES) AND FIXTURES TO BE REMOVED
- EXISTING LIGHT FIXTURE TO REMAIN - REFER TO ELECTRICAL
- EXISTING LIGHT FIXTURE TO BE DEMOLISHED - REFER TO ELECTRICAL
- EXISTING RETURN AIR GRILLE TO REMAIN - REFER TO MECHANICAL
- EXISTING RETURN AIR GRILLE TO BE DEMOLISHED - REFER TO MECHANICAL
- EXISTING ACCESS HATCH TO BE DEMOLISHED

CEILING DEMOLITION GENERAL NOTES

1. PARTITION LAYOUTS SHOWN MAY NOT REFLECT EXACT SITE CONDITIONS. VERIFY ACTUAL EXISTING PARTITION LAYOUT ON SITE.
2. REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR EXTENT OF DISCIPLINE DEMOLITION.
3. HOARDING/DUST CONTROL/TACK MATS TO BE THE RESPONSIBILITY OF THE G.C.
4. MAINTAIN ACCESS TO EXITS AND EXIT SIGNS DURING DEMOLITION.
5. REMOVE ALL CEILING MOUNTED ITEMS/ACCESSORIES AND PROTECT FROM HARM DURING RENOVATION.
6. REMOVE ALL CEILING SYSTEMS IN ALL AREAS UNDER DEMOLITION UNLESS OTHERWISE NOTED.

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|-----------------|--------------------------|----|------|------------|
| B | ISSUED FOR #1 ADDENDUM 9 | EM | EL | 2024-02-14 |
| A | ISSUED FOR TENDER | AA | SL | 2023-09-28 |
| Issued/Revision | | By | Appd | YYYY.MM.DD |

Permit/Seal

Client/Project Logo



Client/Project
Northern Health Authority

UHNBC (University Hospital of Northern BC) -
NAPRA Pharmacy Renovation
1475 Edmonton St, Prince George, BC V2M 1S2

Title
**LEVEL 0 - EXISTING AND DEMOLITION
CEILING PLAN**

| | |
|-------------|--------------|
| Project No. | Scale |
| 144320228 | As indicated |
| Revision | Drawing No. |
| B | AD151 |