WIND: HOURLY WIND PRESSURE (1/50) = 0.37 kPa

PGV = 0.079

le = 1.5 (POST DISASTER)

SITE CLASS = C (ASSUMED)

SEISMIC DATA: Sa(0.2) = 0.113 Sa(0.5) = 0.089 PGA = 0.049

SEISMIC LOAD HAS BEEN DETERMINED USING THE FOLLOWING FACTORS FOR ELEMENT OF STRUCTURES, NON-STRUCTURAL COMPONENTS AND EQUIPMENT: Cp = 1.0, Ar = 2.5, Rp = 2.5

2. THE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH BRITISH COLUMBIA BUILDING CODE 2018 AND CITY OF PRINCE GEORGE BY-LAW NO. 8922 (2018) AND REFERENCED STANDARDS WITHIN.

DELEGATED DESIGN

- 1. PORTIONS OF THE DETAILED DESIGN ARE DELEGATED TO THE CONTRACTOR. RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO COMPLETE THE DESIGN.
- 2. SUBMIT SHOP DRAWINGS FOR COMPONENTS REQUIRING DELEGATED DESIGN UNDER THE SEAL AND SIGNATURE OF THE ENGINEER RESPONSIBLE FOR THE DESIGN
- 3. THE FOLLOWING COMPONENTS REQUIRE DELEGATED DESIGN:
 - 3.1 STRUCTURAL STEEL CONNECTIONS
 3.2 SUPPLEMENTAL SUPPORT STEEL FOR MEP/ARCH ELEMENTS, INCLUDING PIPE SUPPORTS, PLATFORMS, STAIRS, AND ANCHORAGES
 - 3.3 SEISMIC RESTRAINT FOR MEP/ARCH ELEMENTS
 3.4 SEISMIC RESTRAINT AND CONNECTION FOR MECHANICAL EQUIPMENT
- 4. THE ENGINEER RESPONSIBLE FOR THE DESIGN IS ALSO RESPONSIBLE FOR REVIEW OF FABRICATION AND INSTALLATION OF THE COMPONENTS. UPON COMPLETION OF THE WORK, PROVIDE SCHEDULES S-B's AND S-C's TO THE ENGINEER OF RECORD.

RENOVATIONS

- 1. THE CONTRACT DOCUMENTS ARE BASED ON ASSUMED AS-BUILT DIMENSIONS FOR THE EXISTING BUILDING STRUCTURE AND ASSUMPTIONS IN ACCORDANCE WITH DETAILING AND PLACING PRACTICE. THESE ASSUMPTIONS MAY VARY FROM THE ACTUAL ON-SITE CONDITIONS. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE CONSULTANT OF ANY ACTUAL VARIATIONS FROM THE ASSUMED CONDITIONS.
- 2. MINOR MODIFICATIONS WILL BE REQUIRED TO THE WORK INDICATED ON THESE DRAWINGS TO REFLECT ACTUAL SITE CONDITIONS. THE CONTRACTOR WILL COOPERATE WITH THE CONSULTANT AND STANTEC IN THIS REGARD. MINOR MODIFICATIONS WILL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND WILL NOT RESULT IN A CHANGE IN THE CONTRACT PRICE.
- 3. ENSURE THAT ALL NECESSARY JOB DIMENSIONS ARE TAKEN AND ALL TRADES ARE COORDINATED FOR THE PROPER EXECUTION OF THE WORK. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS OF SUCH DIMENSIONS, AND FOR COORDINATION.
- 4. PRIOR TO FABRICATION OF ANY STRUCTURAL MEMBERS, THE CONTRACTOR SHALL COMPLETE THIS SITE REVIEW OF CRITICAL "TIE-IN" DIMENSIONS AND
- 4. PRIOR TO FABRICATION OF ANY STRUCTURAL MEMBERS, THE CONTRACTOR SHALL COMPLETE THIS SITE REVIEW OF CRITICAL "TIE-IN" DIMENSIONS AND CONFIRM ALL DIMENSIONS TO ENSURE PROPER FIT OF NEW WORK TO EXISTING. REPORT ANY DISCREPANCIES TO STANTEC PRIOR TO STARTING WORK.
- 5. COMMENCEMENT OF CONSTRUCTION OR ANY PART THEREOF CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AND MEANS DIMENSIONS AND ELEVATIONS HAVE BEEN CONSIDERED, VERIFIED AND ARE ACCEPTABLE.
- 6. DO NOT INSTALL OPENINGS, SET INSERTS, DRILL OR ATTACH TO THE STRUCTURAL BUILDING COMPONENTS, EXCEPT AS NOTED ON THE STRUCTURAL DRAWINGS, WITHOUT WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.
- 7. UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, THE CORING OR CUTTING OF OPENINGS AND HOLES SHOWN ON THE STRUCTURAL DRAWINGS THROUGH THE EXISTING STRUCTURE SHALL NOT CUT ANY REINFORCING BARS. THE CONTRACTOR SHALL LOCATE THE POSITION OF EXISTING REINFORCING BARS IN THE VICINITY OF THE HOLES AND SLEEVES TO BE CUT OR CORED, AND THE HOLES AND SLEEVES SHALL BE LOCATED TO AVOID CUTTING OF REINFORCING BARS. WHERE THIS IS NOT POSSIBLE, IT SHALL BE REPORTED TO STANTEC FOR REVIEW.
- 8. NO OPENINGS OR CORE HOLES WILL BE PERMITTED THROUGH EXISTING SLAB / SLAB BANDS.
- 9. NEW OPENINGS OR HOLES TO BE CUT OR CORED THROUGH EXISTING FLOOR SLAB OR WALLS SHALL BE CLEARLY MARKED OUT BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY STANTEC ONCE THE MARKING OUT HAS BEEN COMPLETED SO THAT STANTEC CAN REVIEW THE PROPOSED LOCATIONS OF ALL NEW OPENINGS. DO NOT PROCEED WITH CUTTING OF NEW OPENINGS WITHOUT THE REVIEW AND ACCEPTANCE BY STANTEC.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY IN AND ABOUT THE JOB SITE DURING CONSTRUCTION, AND THE DESIGN AND ERECTION OF ALL TEMPORARY STRUCTURES, FORMWORK, FALSEWORK, SHORING, BRACING, ETC., REQUIRED TO COMPLETE THE WORK (SUBMIT SHORING DRAWINGS SEALED BY A SPECIALTY STRUCTURAL ENGINEER).
- 11. DRILL AND SITE MEASURE BOLT / ANCHOR HOLES IN EXISTING STRUCTURE PRIOR TO FABRICATING STEEL CONNECTION PLATES. BOLT / ANCHOR HOLES MAY HAVE TO BE MOVED FROM WHAT IS SHOWN ON THE DRAWINGS TO AVOID CUTTING EXISTING REINFORCING OR TO AVOID OTHER SITE CONDITIONS. SITE MODIFICATION OF STEEL CONNECTION PLATES WILL NOT BE ACCEPTED WITHOUT THE PRIOR APPROVAL OF STANTEC.
- 12. STRUCTURAL MODIFICATION IS LIMITED TO THE AREA(S) SHOWN ON THESE DRAWINGS. FOR THE REMAINDER OF THE EXISTING BUILDING, THE CURRENT PERFORMANCE LEVEL IS MAINTAINED AND SEISMIC OR OTHER STRUCTURAL EVALUATION AND UPGRADING (INCLUDING UPGRADING TO CARRY GRAVITY LOADS) I S NOT INCLUDED IN THE SCOPE OF THE PROJECT. STANTEC ACCEPTS NO RESPONSIBILITY FOR THE STRUCTURAL ADEQUACY OF THE REMAINDER OF THE
- 13. ALL EXISTING CONSTRUCTION ALTERED OR DAMAGED DURING COURSE OF WORK TO BE REPAIRED BY THE CONTRACTOR.

EXISTING BUILDING (WHICH REMAINS THE RESPONSIBILITY OF THE ORIGINAL STRUCTURAL ENGINEER).

SHOP DRAWINGS

- 1. SUBMIT SHOP DRAWINGS OF ALL MATERIALS PRIOR TO INSTALLATION WITH A MINIMUM OF 2 WEEKS FOR REVIEW. DOCUMENTS REQUIRING THE SEAL OF A SPECIALTY STRUCTURAL ENGINEER OR MATERIALS CONSULTANT SHOULD BE SEALED AND ACCOMPANIED BY APPROPRIATE LETTERS OF ASSURANCE WHEN SUBMITTED FOR DOCUMENTS RECEIVED WITHOUT APPROPRIATE USE OF THE SEAL MAY BE RETURNED AND ALL INCOMPLETE SUBMISSIONS MAY REQUIRE A FURTHER COMPLETE SUBMISSION
- 2. REVIEW OF SHOP DRAWINGS IS ONLY FOR GENERAL COMPATIBILITY WITH THE DESIGN CONCEPT. THE CONSULTANT DOES NOT WARRANT OR REPRESENT THAT THE INFORMATION CONTAINED ON THE SHOP DRAWINGS IS EITHER ACCURATE OR COMPLETE. SOLE RESPONSIBILITY FOR CORRECT DESIGN, DETAILS AND DIMENSIONS SHALL REMAIN WITH THE PARTIES SUBMITTING THE DRAWING. REVIEW IS NOT APPROVAL OF DESIGN AND SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO SATISFY REQUIREMENTS OF THE CONTRACT DOCUMENTS.

STRUCTURAL STEEL

- 1. DESIGN, FABRICATION, ERECTION, AND OTHER CONSTRUCTION PRACTICES TO CONFORM TO CSA-S16 AND THE CISC CODE OF STANDARD PRACTICE FOR
- 2. CONTRACTOR TO RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO COMPLETE THE DESIGN FOR STRUCTURAL STEEL CONNECTIONS. THE ENGINEER RESPONSIBLE FOR THE DESIGN IS ALSO RESPONSIBLE FOR THE REVIEW OF FABRICATION AND INSTALLATION OF THE COMPONENTS. SUBMIT SHOP DRAWINGS AND LETTERS OF ASSURANCE OF THE DELEGATED DESIGN (SCHEDULE S-B AND S-C) BEARING ENGINEER'S SIGNATURE
- 3. SUBMIT SHOP DRAWINGS SHOWING ALL STRUCTURAL STEEL MEMBERS FOR REVIEW PRIOR TO FABRICATION. WELDING TO CONFORM TO CSA-W59.
- 4. SHOP GALVANIZING TO CONFORM TO CAN/CSA-G164 AND ASTM A123 / A123M.
- 5. GALVANIZE ALL EXPOSED STEEL AND CONNECTION COMPONENTS UNLESS NOTED OTHERWISE. PRESSURE RELIEF HOLES TO BE DESIGNED BY FABRICATOR AND SHOWN ON THE SHOP DRAWINGS.
- 6. PROVIDE STRUCTURAL STEEL TO MEET THE REQUIREMENTS OF CSA STANDARD G40.21-13 WITH THE FOLLOWING GRADES.

WIDE FLANGE SECTIONS
CHANNELS AND ANGLES
HSS SECTIONS (CLASS 'C')
STRUCTURAL BARS AND PLATES
ANCHOR RODS
ASTM F1554 GR 36
HILTI HAS ROD

- 7. ALL BOLTED CONNECTIONS TO USE FULLY PRETENSIONED HIGH-STRENGTH BOLTS A325 HOT DIP GALVANIZED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 8. PROVIDE 10 mm MINIMUM PLATE STIFFENERS EACH SIDE OF BEAM AT ALL BEARING CONNECTIONS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 9. DO NOT SPLICE MATERIAL WITHOUT THE WRITTEN ACCEPTANCE OF THE ENGINEER. WHERE GRANTED, A COMPLETE NON-DESTRUCTIVE EXAMINATION WILL BE MANDATORY AND PAID FOR BY THE SUB-CONTRACTOR.
- 10. FIELD WELDING AND FIELD MODIFICATION OF STRUCTURAL STEEL WILL NOT BE ALLOWED WITHOUT PRIOR REVIEW AND WRITTEN ACCEPTANCE BY THE STRUCTURAL ENGINEER.

FIELD REVIEW BY STANTEC

1. FIELD REVIEW IS AT THE PROFESSIONAL DISCRETION OF STANTEC AND IS TO ASCERTAIN GENERAL COMPLIANCE WITH THE STRUCTURAL PLANS AND SUPPORTING DOCUMENTS FOR THE INTEGRITY OF THE PRIMARY STRUCTURAL COMPONENTS OF THE BUILDING ONLY. FIELD REVIEW DOES NOT MAKE STANTEC GUARANTORS OF THE CONTRACTOR'S WORK. FIELD REVIEW IS NOT FOR THE BENEFIT OF THE CONTRACTOR AND MAY NOT FORM PART OF THE CONTRACTORS CONSTRUCTION QUALITY CONTROL WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR(S). STANTEC SHALL NOT BE RESPONSIBLE FOR ACTS OR OMISSIONS OF THE CONTRACTOR OR FOR THE CONTRACTORS FAILURE TO FULFILL THE INTENT OF THE DESIGN DRAWINGS.

ANCHOR AND THRU-BOLT INSTALLATION

- 1. CONTRACTOR SHALL SURVEY AND CONFIRM ALL RELEVANT EXISTING BUILDING DIMENSIONS PRIOR TO FABRICATION AND CONSTRUCTION.
- 2. EXISTING REINFORCEMENT SHALL NOT BE DAMAGED. CONCRETE IN THE VICINITIES OF PROPOSED HOLE LOCATIONS SHALL BE SCANNED TO LOCATE REINFORCEMENT, ADJUSTMENT AS SHOWN SHALL BE MADE TO AVOID REINFORCEMENT HIT.
- 3. PRIOR TO DRILLING, SUBMIT THE SCAN RESULTS WITH MARKED HOLE LOCATIONS TO DEPARTMENTAL ENGINEER FOR REVIEW.
- 4. HOLES ON MOUNTING PLATES SHALL BE DRILLED TO SUIT THE FINAL THRU BOLTS ARRANGEMENTS.
- 5. DO NOT OVERSIZE DRILL HOLES ON PLATES.
- 6. THRU HOLES IN CONCRETE SHALL BE FILLED WITH NON-SHRINK GROUT TO PROVIDE TIGHT FIT FOR BOLTS.

STANDARD STRUCTURAL DRAWING ABBREVIATIONS

AR or A.ROD

ANCHOR ROD

ADDITIONAL

ALTERNATE

ALUM ALUMINUM APPD APPROVED APPROX or ± APPROXIMATELY ARCHITECT BACK TO BACK BOTTOM BLOCK BOTTOM LOWER LAYER BEARING BTWN BETWEEN BUILT-UP BOTTOM UPPER LAYER EPOXY COATED REBAR C (i.e 10M<u>C</u>) COMPLETE WITH CANTILEVER CAST IN PLACE CONTROL JOINT CL or CENTERLINE CONCRETE CONN CONNECTION CONT CONTINUOUS D or DP DEEP or DEPTH DIA or Ø DIAMETER DEAD LOAD DRAWING EACH END EACH FACE EXPANSION JOINT EACH SIDE EACH WAY ELEVATION ELEC ELECTRICAL **EMBED** EMBEDDED EXTRA FXISTING **EXTERIOR** FDTN FOUNDATION FAR SIDE FOOTING **FULL TENSION SPLICE** GALVANIZED GALV GR BM GRADE BEAM H OR HT HIGH OR HEIGHT HOOK ONE END H2E HOOK TWO ENDS HORIZ HORIZONTAL INSIDE DIAMETER INSIDE FACE INCLUDING INSULATION INTERIOR LOCATION LIVE LOAD LONG LEG HORIZONTAL LONG LEG VERTICAL LONGIT LONGITUDINAL MAX MAXIMUM MECHANICAL MEZZ MEZZANINE MIDDI F MINIMUM MISCELLANEOUS NOT IN CONTRACT NEAR SIDE N STUD NELSON STUD NTS NOT TO SCALE NO or # NUMBER ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OPP OPPOSITE OPNG OPENING OWSJ OPEN WEB STEEL JOIST PRCST PRECAST PERIM PERP PERIMETER PERPENDICULAR PKG PACKAGE PL or PLYWD PI YWOOD POLY POLYETHYLENE PROJ QTY QUANTITY R OR RAD RADIUS REINFORCE WITH REINF REINFORCING REM REMAINDER REQD REQUIRED RTU ROOF TOP UNIT SECT SECTION SIM P SIMILAR SAWCUT JOINT SOG SLAB ON GRADE SPMDD STANDARD PROCTOR MAXIMUM DRY DENSITY STAINLESS STEEL STIF STIFFENER STIR STIRRUP STRUCT STRUCTURAL SYMM SYMMETRICAL TOP & BOTTOM TOP LOWER LAYER TOP UPPER LAYER UNLESS NOTED OTHERWISE UNO UNDERSIDE VERT VERTICAL WORKING POINT WELDED WIRE MESH WELDED HEADED STUD



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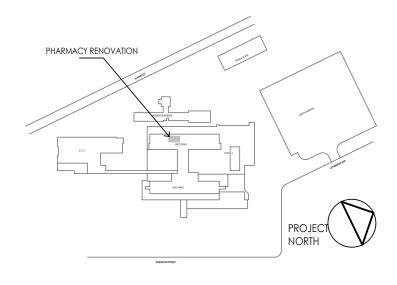
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Consultant

Notes



 B
 ISSUED FOR CONSTRUCTION
 AD
 AH
 2024.04.10

 A
 ISSUED FOR TENDER
 SDC / AD
 AH
 2023.09.08

 Issued/Revision
 By
 Appd
 YYYY.MM.DD

Permit/Seal



Stantec Permit: 1002862

Client/Project Logo

thern healt

Client/Project
Northern Health Authority

UHNBC(University Hospital of Northern BC)-Pharmacy upgrades

1475 Edmonton St, Prince George, BC V2M 1S2

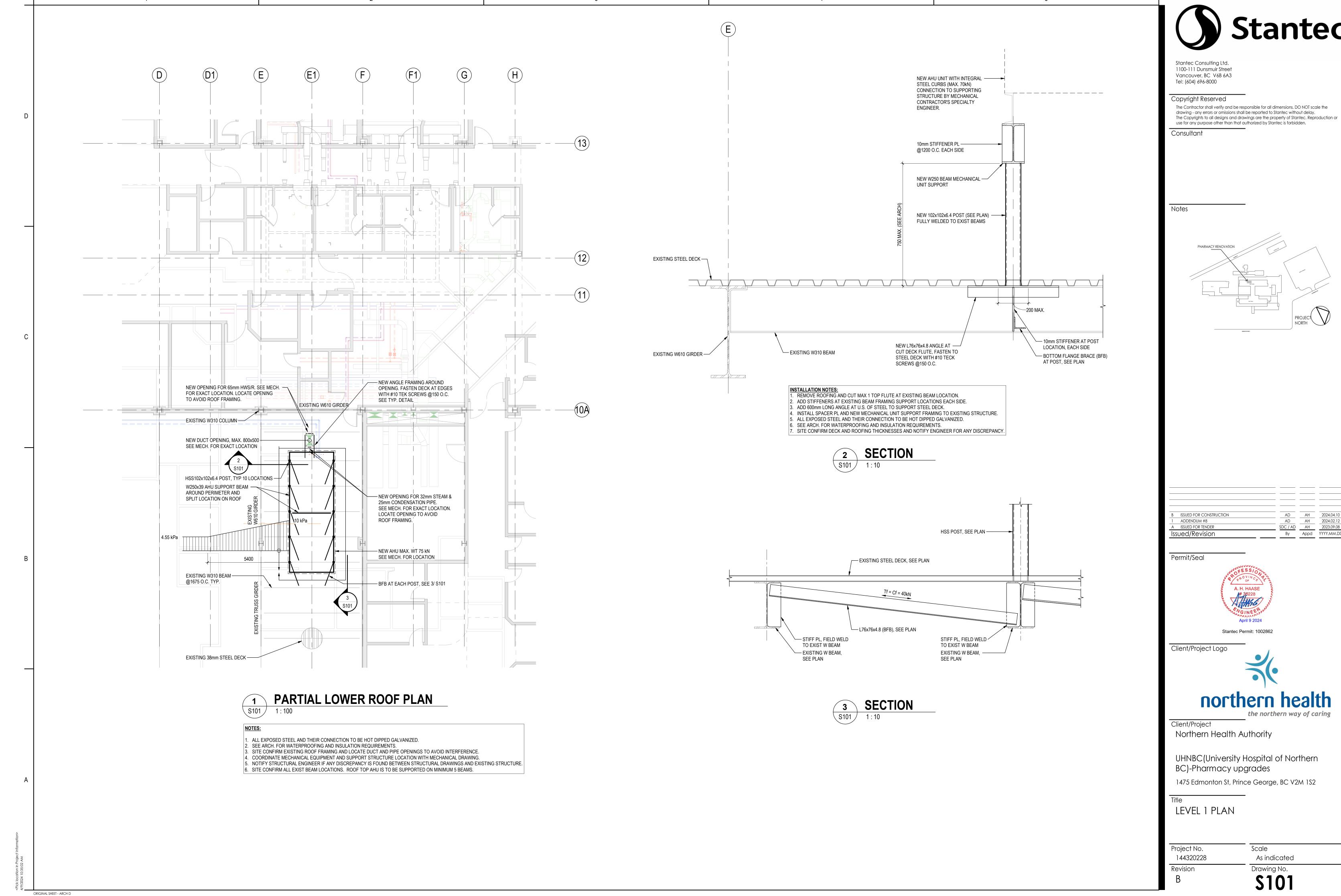
Title

GENERAL NOTES

Project No.
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Revision Drawing No.

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AD	AH	2024.04.10
AD	AH	2024.02.12
SDC / AD	AH	2023.09.08
Ву	Appd	YYYY.MM.DD
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