

UHNBC(University Hospital of Northern BC)- NAPRA Pharmacy Renovation

Project Number : 144320228

ADDRESS : 1475 Edmonton St, Prince George, BC V2M 1S2

LEGAL DESCRIPTION: Lot: A District Lot: 343 Plan: EPP61060 except Plan EPP61362 PID: 030-387-884 AREA-JURISDICTION-ROLL: 26-226-00-02119.500



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DRAWING LIST	
NO.	DRAWING NAME
ARCHITECTURAL	
GI001	TITLE SHEET & LIST OF DRAWINGS
GI002	SITE PLAN, GENERAL NOTES, CONSTRUCTION ASSEMBLIES & ABBREVIATIONS
AD101	LEVEL 0 - EXISTING AND DEMOLITION FLOOR PLAN
AD151	LEVEL 0 - EXISTING AND DEMOLITION CEILING PLAN
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AE101	LEVEL 0 - RENOVATION PLAN
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DRAWING LIST	
NO.	DRAWING NAME
ELECTRICAL	
E001	COVER PAGE
E010	SYSTEM OVERVIEW
E100	POWER AND SYSTEMS FLOOR PLAN - PHARMACY
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2023-09-08

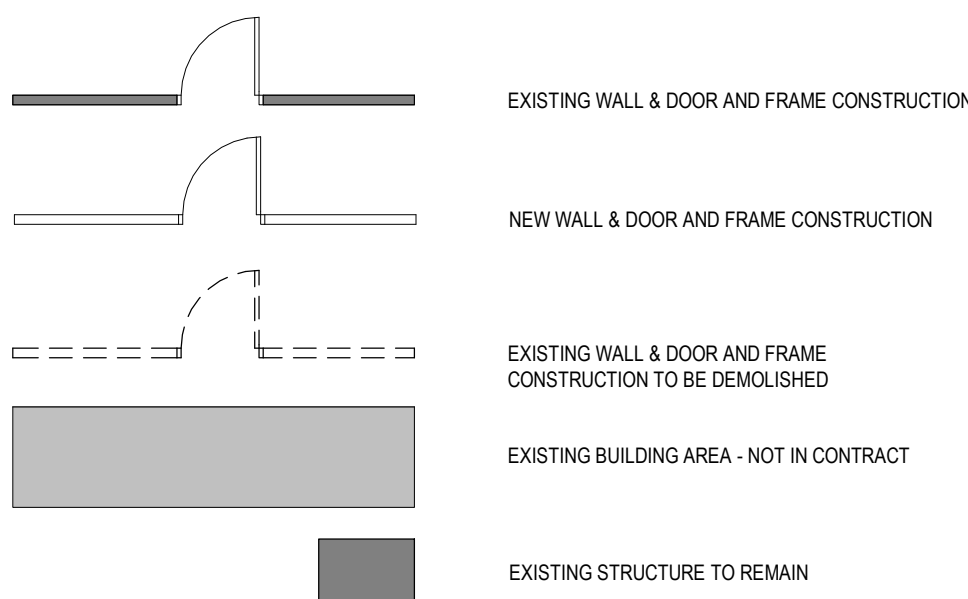
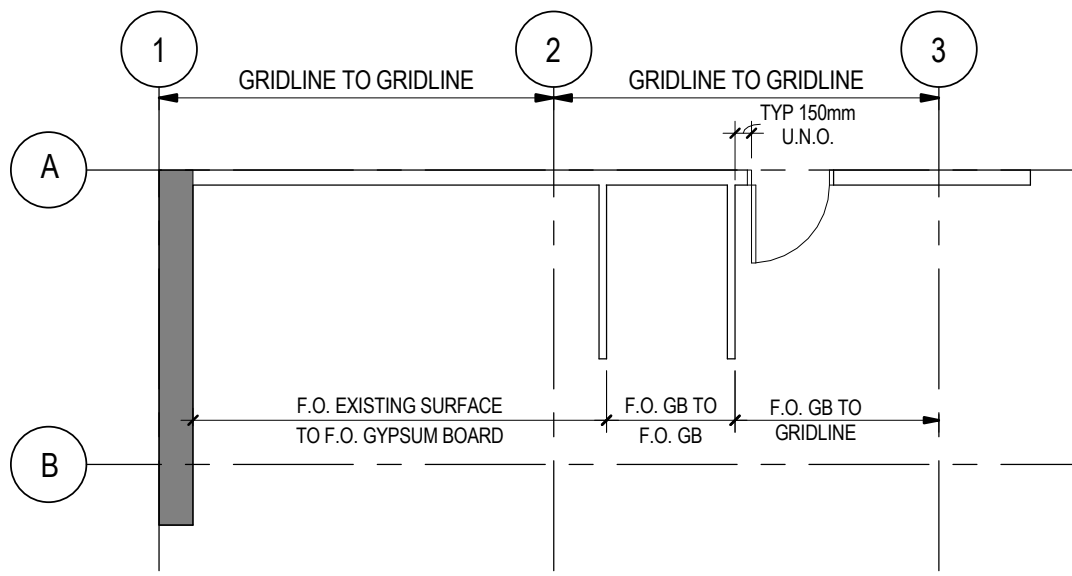
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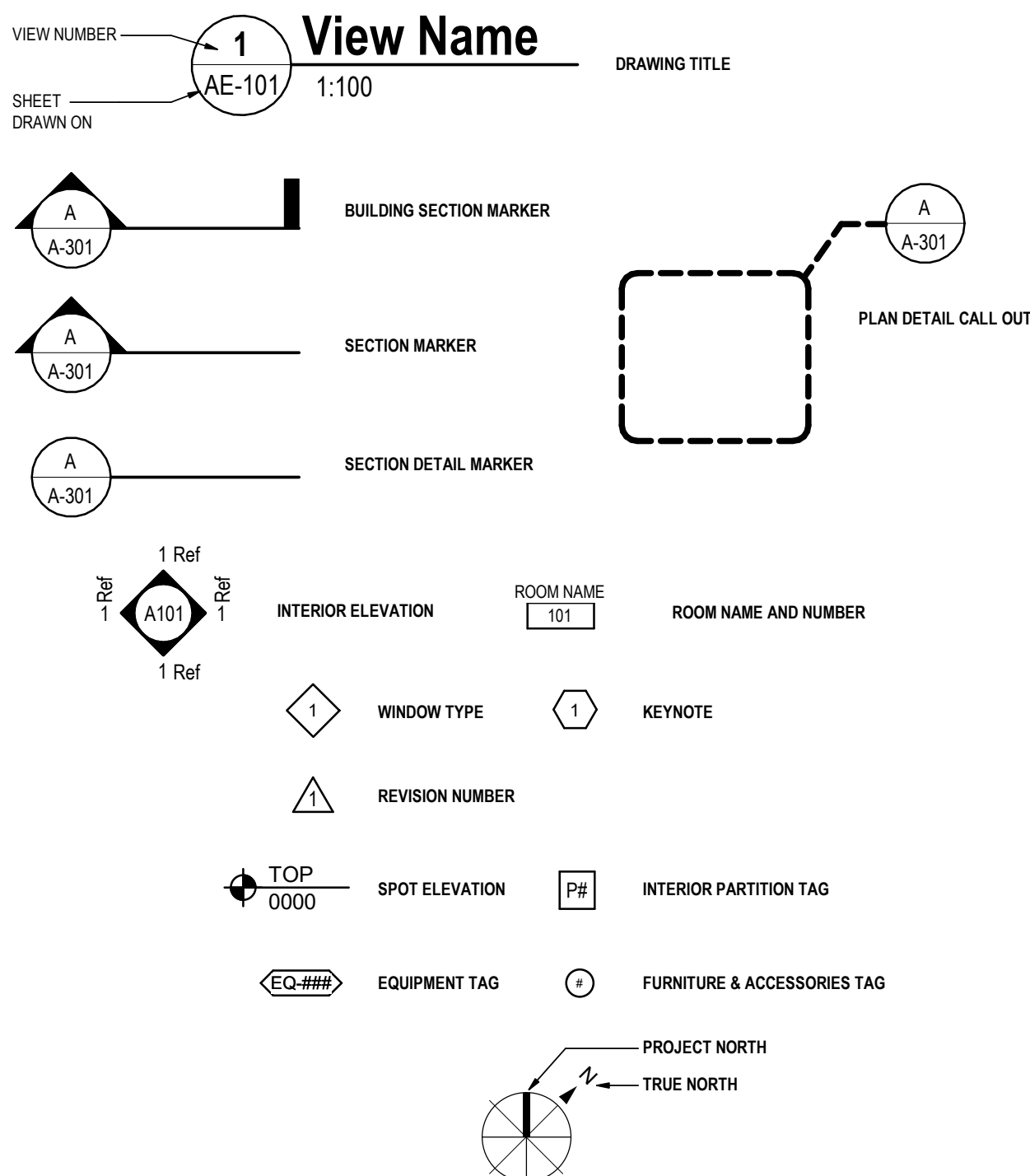
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ORIGINAL SHEET - ARCH D

DRAWING LEGEND



DRAWING SYMBOLS



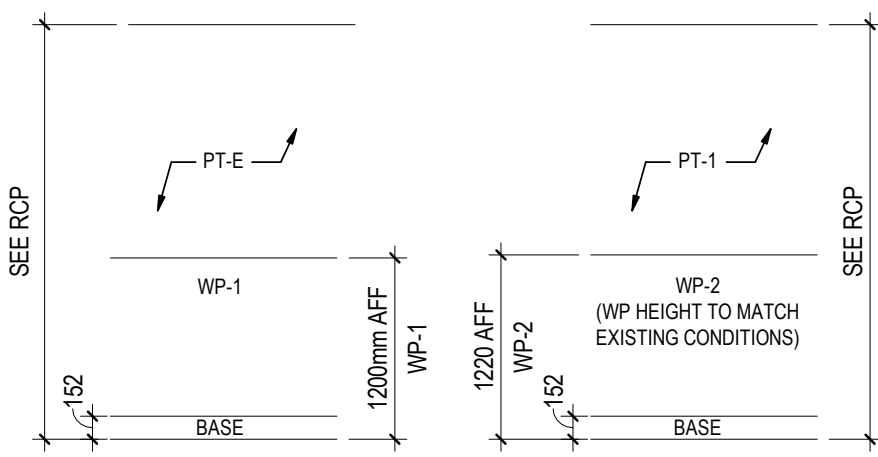
ABBREVIATIONS

AB	AIR BARRIER	M	METRE
A/V	AIR / VAPOUR	MATL	MATERIAL
ACT	ACOUSTIC CEILING TILE	MAX	MAXIMUM
ADJ	ADJUSTABLE	MECH	MECHANICAL
ADD	ADDITIONAL	MEF	MEDIUM DENSITY FIBREBOARD
A.F.F.	ABOVE FINISHED FLOOR	MEMB	MEMBRANE
AH	ACCESS HATCH	MEZZ	MEZZANINE
AHU	AIR HANDLING UNIT	MIN	MINIMUM
AL	ALUMINUM	MISC	MISCELLANEOUS
ANOD	ANODIZED	MM	MILLIMETER
ASPH	ASPHALT	MO	MASONRY OPENING
BCBC	BC BUILDING CODE	N	NORTH
BLDG	BUILDING	NAT	NATURAL
BLK	BLOCK	NBCC	NATIONAL BUILDING CODE OF CANADA
BLKG	BLOCKING	N.I.C	NOT IN CONTRACT
BOT	BOTTOM	NOM	NOMINAL
B.O.	BOTTOM OF	NTS	NOT TO SCALE
B.S.	BOTH SIDES	O/A	OVERALL
BTWN	BETWEEN	O.C	ON CENTRE
B.W.	BOTH WAYS	O.D	OUTSIDE DIAMETER
C/C	CENTER TO CENTRE	O.F.	OUTSIDE FACE
CH	CHAMFER	OH	OVERHEAD
CHAM	CHAMFER	O.O	OUT TO OUT
CIP	CAST-IN-PLACE	O.S.	ONE SIDE
CIL	CENTRE LINE	OPNG	OPENING
CLG	CEILING	OPP	OPPOSITE
CMU	CONCRETE MASONRY UNIT	OSB	ORIENTED STRAND BOARD
COL	COLUMN	OWSJ	OPEN WEB STEEL JOIST
CONC	CONCRETE	P	PAINT
CONST	CONSTRUCTION	PBD	PARTICLE BOARD
CONT	CONTINUOUS	PC	PRECAST CONCRETE
CORR	CORRIDOR	PERF	PERFORATE
CR	CARD READER	PL	PLASTER
CT	CERAMIC TILE	PLAM	PLASTIC LAMINATE
CTR	COUNTER	PLYWD	PLYWOOD
CW	COMPLETE WITH	POLY	POLYETHYLENE
DET	DETAIL	PR	PAIR
DG	DOUBLE GLAZED	PREFAB	PREFABRICATED
DFP	DOOR FRAME PROTECTION	PREFIN	PREFINISHED
DGR	DOOR GRILLE	PROP	PROPERTY
DIAM	DIAMETER	P.L.	PROPERTY LINE
DIM	DIMENSION	PSF	PRESSED STEEL FRAME
DIV	DIVISION	P.T.	PRESSURE TREATED
DN	DOWN	R	RISER
DR	DOOR	RAD	RADIUS
DWG	DRAWING	RB	RESILIENT BASE
EL	ELEVATION	RD	ROOF DRAIN
ELEC	ELECTRICAL	RECP	RECEPTACLE
ELEV	ELEVATOR	RENF	REINFORCED
EMER	EMERGENCY	REQD	REQUIRED
ENCL	ENCLOSURE	REV	REVISION
EQ	EQUAL	RM	ROOM
EQUIP	EQUIPMENT	R.O.	ROUGH OPENING
EXIST	EXISTING	RWL	RAIN WATER LEADER
EXT	EXTERIOR	RSF	RESILIENT SHEET FLOORING
EP	EPOXY PAINT	SHT	SHEET
FD	FLOOR DRAIN	SIM	SIMILAR
FDN	FOUNDATION	SKLT	SKYLIGHT
FE	FIRE EXTINGUISHER	SL	SLOPE
F.F.	FACE TO FACE	SPKR	SPEAKER
FL	FILM	SO	SQUARE
FFH	FORCE FLOW HEATER	SSF	SOLID SURFACE MATERIAL
FHC	FIRE HOSE CABINET	ST	STAIR
FIN	FINISHED	STC	SOUND TRANSMISSION COEFFICIENT
FLR	FLOOR	STD	STANDARD
F.R.R.	FIRE RESISTANCE RATING	STL	STEEL
FRP	FIBREGLASS REINFORCED PLASTIC	STRUCT	STRUCTURAL
FTG	FOOTING	SUSP	SUSPENDED
GA	GAUGE	TEL	TELEPHONE
GALV	GALVANIZED	TEMP	TEMPORARY
GB	GYPSUM BOARD	THK	THICKNESS
GC	GENERAL CONTRACTOR	T.O.	TOP OF
GL	GLASS, GLAZING	TV	TELEVISION
HL	HOLLOW CORE	TYP	TYPICAL
HDWR	HARDWARE	U/C	UNDER COUNTER
HM	HOLLOW METAL	UH	UNIT HEATER
HMI	HOLLOW METAL INSULATED	UL	UNDERWRITERS LABORATORY
HORIZ	HORIZONTAL	ULC	UNDERWRITERS LAB CANADA
HR	HOUR	U.N.O.	UNLESS NOTED OTHERWISE
HRL	HAND RAIL	US	UNDERSIDE
HSS	HOLLOW STRUCTURAL SECTION	VAR	VARIES
HT	HEIGHT	VB	VAPOUR BARRIER
HVAC	HEATING, VENTILATING & AIR CONDITIONING	VEST	VESTIBULE
ID.	INSIDE DIAMETER	VERT	VERTICAL
INCL	INCLUDE	WI	WITH
INT	INTERIOR	WB	WHITE BOARD
JAN	JANITOR	WC	WATER CLOSET
JT	JOINT	WD	WOOD
LAV	LAVATORY	WP	WALL PROTECTION
LG	LARGE	W/O	WITHOUT

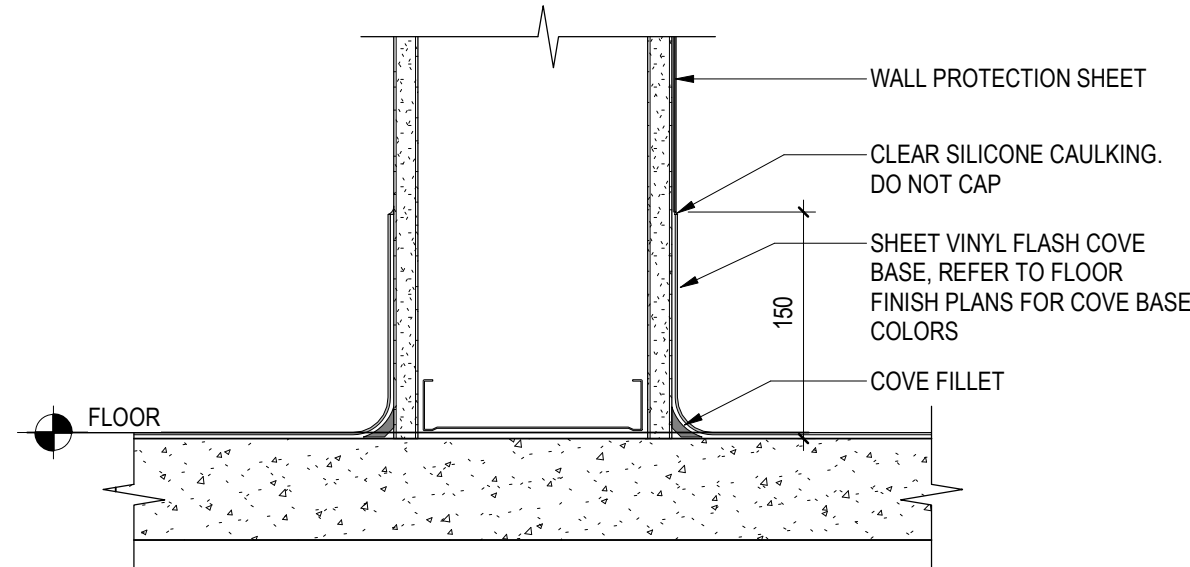


LOCATION PLAN - NTS

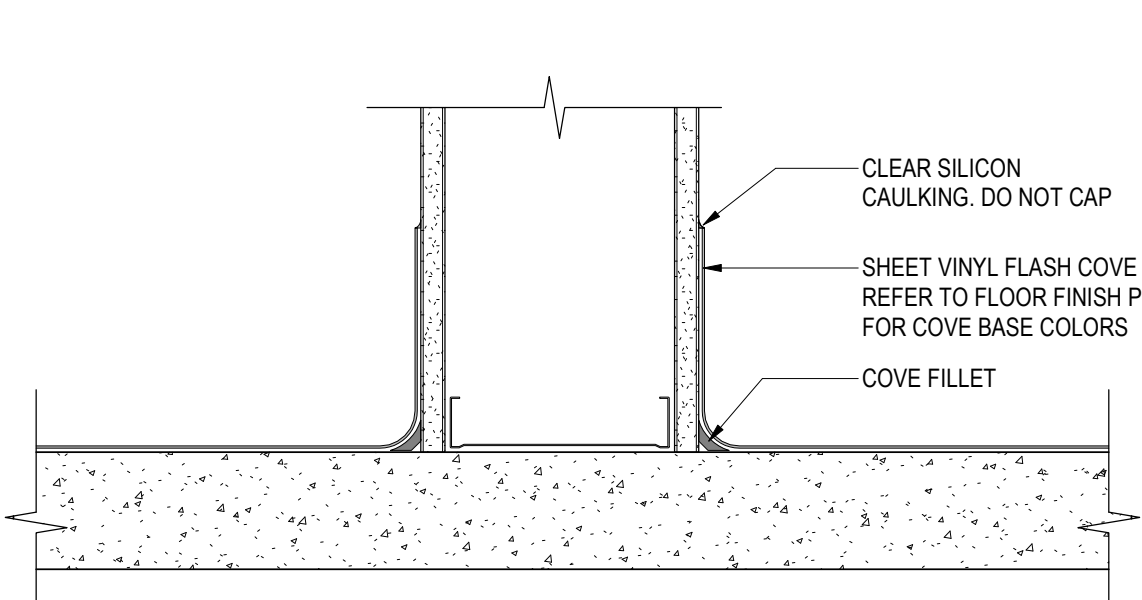
TYP. WALL PROTECTION TYPES



TYP. COVED BASE & WALL PROTECTION DETAIL

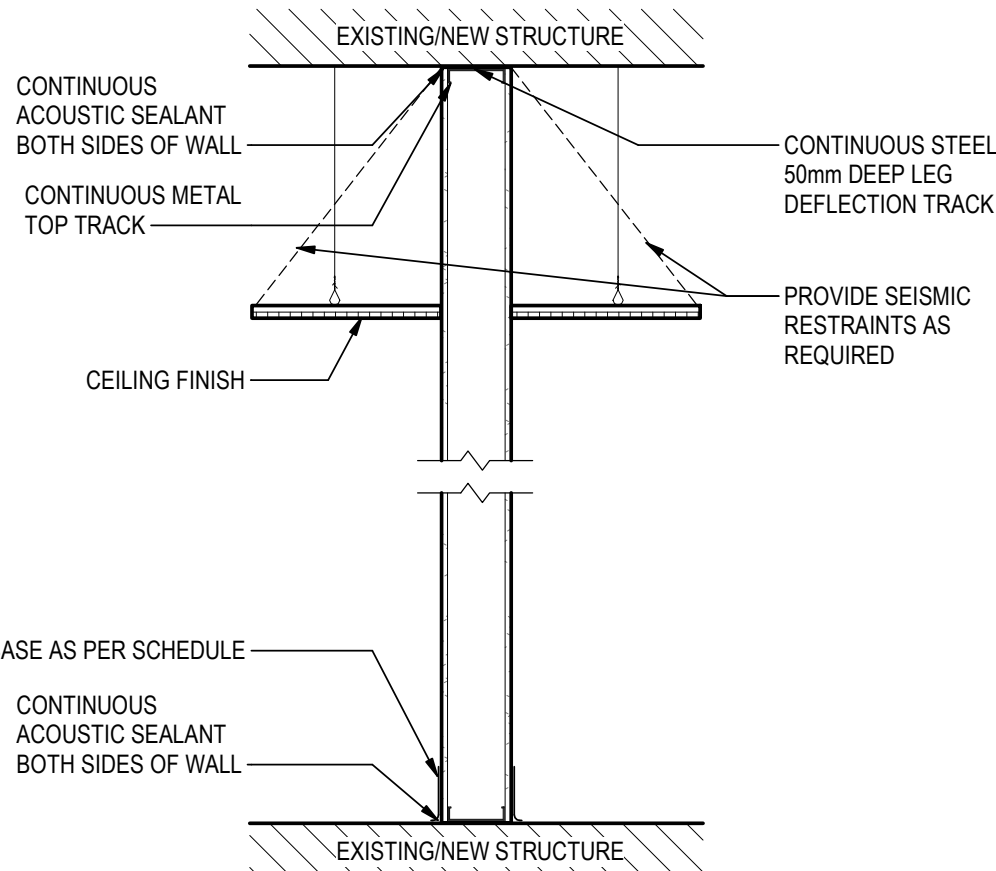


COVED BASE DETAIL @ WP

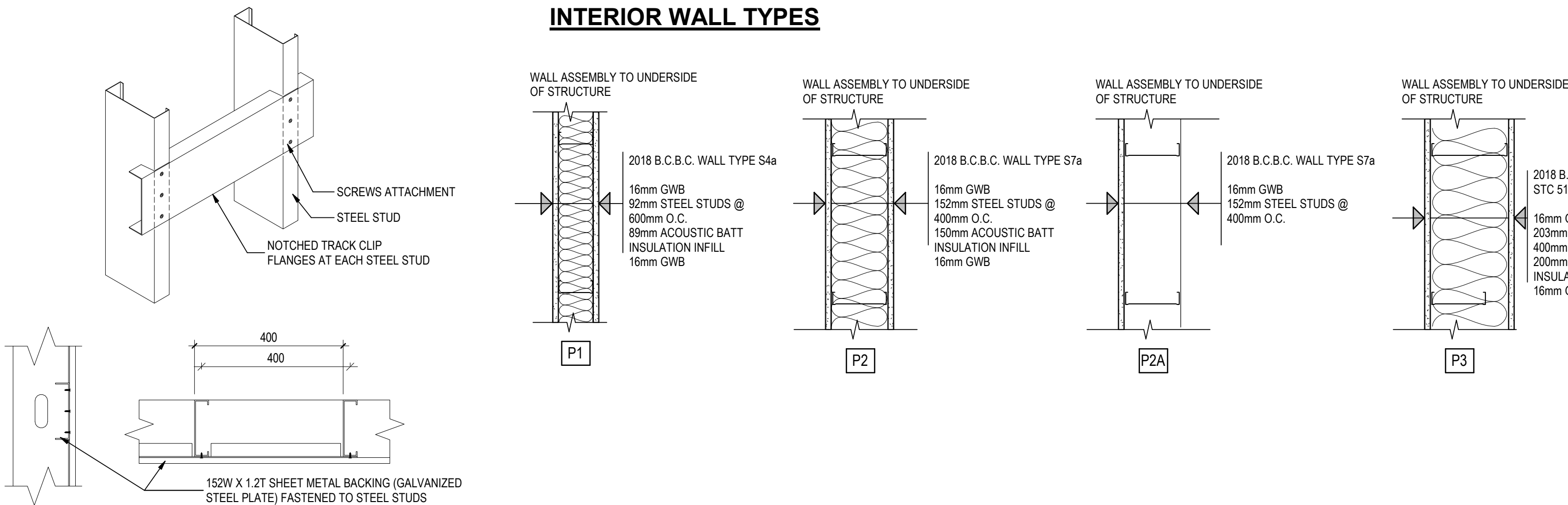


TYP. BASE DETAIL

TYPICAL INTERIOR PARTITION DETAIL



INTERIOR WALL TYPES



INTERIOR PARTITION TYPES

PARTITION NOTES:

- INTERIOR PARTITIONS ARE TO BE CONSTRUCTED TO U/S OF STRUCTURE ABOVE U.N.O.
- INTERIOR PARTITIONS THAT ARE NOT TO U/S OF FLOOR OR ROOF DECK ABOVE MUST BE BRACED TO U/S FLOOR OR ROOF DECK FROM ABOVE THE CEILING.
- PROVIDE WOOD BLOCKING IN WALL FOR ALL WALL MOUNTED MILLWORK, EQUIPMENT AND FURNITURE AS REQUIRED. THIS INCLUDES OWNER SUPPLIED FURNITURE, FIXTURES, EQUIPMENT AND SIGNAGE. CONFIRM LOCATIONS WITH ARCHITECT AND OWNER.
- ROWS OF STUDS IN DOUBLE ROW PARTITIONS TO MEET THE TOTAL WALL THICKNESS AS INDICATED ON DRAWINGS.
- GYPSUM BOARD IS 16mm TYPE X UNLESS NOTED OTHERWISE.
- USE MOISTURE / MOULD RESISTANT GYPSUM BOARD ON PARTITIONS CONTAINING PLUMBING FIXTURES FULL HEIGHT AND WIDTH TO ADJACENT INTERSECTING WALL(S). WHERE INTERSECTING WALL IS LESS THAN 900 mm FROM PLUMBING FIXTURE CENTRELINE, CONTINUE MOISTURE RESISTANT GYPSUM BOARD ONTO ADJACENT WALL SURFACE MIN. 900 mm.
- BATT INSULATION TO FILL ENTIRE STUD CAVITY WHERE NOTED.
- WHERE AN STC RATING IS SHOWN, SEAL THE PERIMETER & ALL PENETRATIONS OF ALL PARTITIONS.
- REFER TO TYPICAL STC RATINGS FOR TYPICAL STC LISTINGS OF RATED ASSEMBLIES.
- ALL FIRE SEPARATION PARTITIONS, RATED AND NON-RATED, ARE TO EXTEND FROM THE U/S OF FLOOR SLAB TO THE U/S OF THE FLOOR SLAB ABOVE AND BE PROVIDED WITH A SMOKE SEAL AT TOP, BOTTOM AND SIDES WHERE THE FIRE SEPARATION ABUTS ADJACENT CONSTRUCTION ASSEMBLIES.
- REFER TO TYPICAL F.R.R. RATINGS FOR TYPICAL ULC LISTINGS OF RATED ASSEMBLIES.

GENERAL CONSTRUCTION NOTES

- CONTRACTOR TO CO-ORDINATE ALL SECTIONS OF WORK, PAY ALL FEES AND OBTAIN ALL PERMITS.
- UHNBC (University Hospital of Northern BC) and NORTHERN HEALTH AUTHORITY (NHA) RESERVE THE RIGHT TO STOP WORK DUE TO NOISE AND VIBRATION CONCERNS. FUTURE WORK WILL BE RESCHEDULED ACCORDINGLY.
- ALL WORK TO BE PERFORMED IN ACCORDANCE WITH LATEST APPLICABLE BUILDING CODES, FIRE REGULATIONS, LOCAL BUILDING REQUIREMENTS.
- THESE DRAWINGS SHALL NOT BE SCALED. ALL DRAWING UNITS ARE IN MILLIMETERS.
- THE CONTRACTOR SHALL SATISFY THEMSELVES THAT ALL DIMENSIONS, DATUMS AND DETAILED INFORMATION SHOWN ARE CORRECT.
- THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, SCHEDULES, SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL OPENINGS THROUGH FLOORS, WALLS, AND ROOF FOR DUCT AND PIPING RISERS, ELECTRICAL RISERS AND ANY OTHER PENETRATIONS.
- PROVIDE HOARDING IN ACCORDANCE WITH LEVEL OF PROTECTION AS IDENTIFIED BY UHNBC (University Hospital of Northern BC) INFECTION PREVENTION AND CONTROL (IPC). REFER TO SPECIFICATIONS FOR HOARDING REQUIREMENTS.
- REFER AND ADHERE TO ALL INSTRUCTIONS AND REFERENCES CONTAINED IN THE CANICSA-2317.10 HANDLING OF WASTE MATERIALS IN HEALTHCARE FACILITIES AND CANICSA-2317.13 INFECTION CONTROL DURING CONSTRUCTION RENOVATION AND MAINTENANCE OF HEALTHCARE FACILITIES FOR ALL WORK INCLUDED IN THESE DOCUMENTS.
- PREPARE ALL EXISTING WALL, FLOOR & CEILING SURFACES THAT ARE REMAINING TO RECEIVE SCHEDULES FINISHES. THIS IS TO INCLUDE PATCHING & REPAIRING OF SURFACES THAT ARE DAMAGED AT THE COMMENCEMENT OF THE PROJECT AND ANY DAMAGE THAT OCCURS AS A RESULT OF THE WORK, INCLUDING THE OPENING UP OF ASSEMBLIES TO RUN NEW SERVICES.
- ALL OPENINGS AND PENETRATIONS IN ALL FIRE SEPARATIONS (BOTH RATED AND NON-RATED) ARE TO BE FIRE STOPPED AND SEALED TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATIONS.



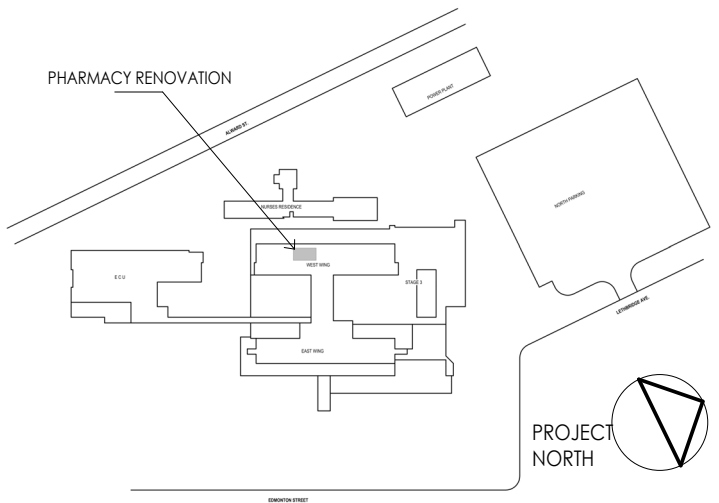
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Notes



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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

SITE PLAN, GENERAL NOTES,
CONSTRUCTION ASSEMBLIES &
ABBREVIATIONS

Project No.
144320228
Revision
A

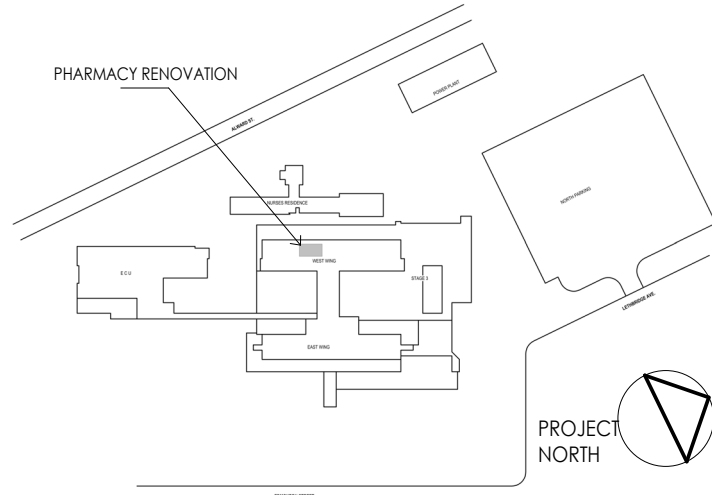
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Notes



DEMOLITION GENERAL NOTES

- PARTITION LAYOUTS SHOWN MAY NOT REFLECT EXACT SITE CONDITIONS. VERIFY ACTUAL EXISTING PARTITION LAYOUT ON SITE.
- STRUCTURAL, MECHANICAL, & ELECTRICAL ELEMENTS SHOWN ON THE ARCHITECTURAL DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. REFER TO THE RESPECTIVE DISCIPLINE DRAWINGS FOR EXACT LAYOUT, DIMENSIONS, QUANTITIES, ELEVATIONS, & REQUIREMENTS.
- OWNER TO REMOVE ALL FURNITURE AND EQUIPMENT.
- HOARDING/DUST CONTROL/TACK MATS TO BE THE RESPONSIBILITY OF THE G.C.
- MAINTAIN ACCESS TO EXITS AND EXIT SIGNS DURING DEMOLITION.
- REMOVE EXISTING FLOORING C/W SELF COVED BASE WITHIN AREAS OF RENOVATION UNLESS NOTED OTHERWISE.
- REMOVE ALL EXISTING WALL PROTECTIONS, CORNER GUARDS, AND HANDRAILS WITHIN AREAS OF RENOVATION UNLESS NOTED OTHERWISE.
- REMOVE ALL WALL MOUNTED ITEMS/ACCESSORIES AND PROTECT FROM HARM DURING RENOVATION.
- REMOVE ALL EXISTING MILLWORK UPPER AND LOWER CABINETS, AND SHELVING WITHIN AREAS OF RENOVATION UNLESS NOTED OTHERWISE.
- PATCHING OF ALL FLOOR OPENINGS TO BE BY G.C. PATCH WITH 2 HOUR F.R.R. SYSTEM.
- PATCH AND REPAIR WALLS, FLOOR, AND CEILING AT ALL AREAS EXPOSED WHERE MILLWORK, ELECTRICAL, OUTLETS/DEVICES AND OR WALLS ARE REMOVED. CONSTRUCTION AND FINISHING TO MATCH EXISTING OR NEW ADJACENT CONSTRUCTION AND FINISH.
- REMOVE ALL CEILING SYSTEMS IN ALL AREAS UNDER DEMOLITION UNLESS OTHERWISE NOTED.
- REMOVE AND SET ASIDE ALL PINBOARDS FOR REUSE.

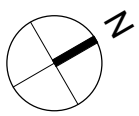
DEMOLITION LEGEND

- EXISTING WALL & DOOR AND FRAME CONSTRUCTION
- NEW WALL & DOOR AND FRAME CONSTRUCTION
- EXISTING WALL & DOOR AND FRAME CONSTRUCTION TO BE DEMOLISHED
- EXISTING BUILDING AREA - NOT IN CONTRACT

DEMOLITION KEYNOTES

- 100 REMOVE, SET ASIDE FOR RELOCATION AND REINSTALL EXISTING LAMINAR FLOW CABINET (C/W SEISMIC RESTRAINTS). DOWNTIME OF THE UNIT MUST BE MINIMIZED TO 1-2 BUSINESS DAY(S). REFER TO MECHANICAL AND COORDINATE WITH NHA PM AND PHARMACY TEAM.
- 101 REMOVE AND DISPOSE OF EXISTING FLOOR FINISH C/W INTEGRAL BASE. SCARIFY OR SHOT BLAST AS REQUIRED TO PREPARE AREA FOR UNDERLAYMENT OF NEW FLOORING. PREPARE AS REQUIRED PER MANUFACTURER'S INSTRUCTIONS.
- 102 DEMOLISH INTERIOR WALL PARTITIONS AND ALL WALL MOUNTED EQUIPMENT & ACCESSORIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CHECK AND ENSURE THE STRUCTURAL INTEGRITY & STABILITY OF THE REMAINING PORTIONS OF REMAINING SURROUNDING WALLS AND STRUCTURAL ELEMENTS AND SHALL NOT DEMOLISH ANY STRUCTURAL ELEMENTS IF FOUND EMBEDDED IN THE EXISTING WALLS.
- 103 DASHED LINE INDICATES EXTENT OF EXISTING FLOOR REMOVAL C/W INTEGRAL BASE.
- 104 REMOVE EXISTING DOOR C/W FRAME AND HARDWARE AND TURN OVER TO OWNER/ DISPOSE OF. CONFIRM WITH OWNER.
- 105 REMOVE EXISTING DOOR C/W FRAME AND HARDWARE AND SET ASIDE FOR RELOCATION.
- 106 REMOVE EXISTING LAMINAR FLOW CABINET AND HAND OVER TO OWNER.
- 108 REMOVE AND DISPOSE OF HAND OVER TO OWNER EXISTING EMERGENCY EYEWASH. CAP PLUMBING LINES - REFER TO MECHANICAL.
- 109 EXIST. WINDOW TO BE REMOVED & DISPOSED OF/ HANDED OVER TO OWNER. CONFIRM DISPOSAL WITH OWNER.
- 110 REMOVE AND DISPOSE OF EXISTING PASS-THROUGH HATCH.
- 111 EXIST. REFRIGERATOR TO BE REMOVED AND HANDED OVER TO OWNER.
- 112 REMOVE AND RELOCATE EXISTING FIRE HOSE CABINET.
- 113 REMOVE AND DISPOSE OF EXISTING MILLWORK C/W SINK. REFER TO MECHANICAL FOR PLUMBING DISCONNECTS.
- 114 PATCH AND MAKE GOOD EXISTING FLOORING AT PARTITION REMOVAL.
- 115 REFER TO MECHANICAL FOR EXTENT OF NEW PLUMBING REQUIREMENTS TO COORDINATE EXTENT OF SAW-CUT/ EXCAVATION REQUIRED FOR THE NEW PLUMBING LINES.
- 116 PATCH AND MAKE GOOD EXISTING WALLS WHERE ADJOINING WALLS HAVE BEEN REMOVED.
- 117 REMOVE AND DISPOSE EXISTING CASEWORK/MILLWORK. PATCH AND MAKE GOOD EXPOSED WALL BEHIND.
- 118 REMOVE AND SET ASIDE FOR RELOCATION EXISTING BINS STORAGE SYSTEM.
- 119 DEMOLISH EXISTING BIO-SAFETY CABINET DUCT CONNECTION, CAP AND LABEL DUCTS. REFER TO MECHANICAL.
- 120 REMOVE THE CONTENTS OF SHELVES TEMPORARILY. REPOPULATE AFTER INSTALLING OF THE NEW DUCT AND BULKHEAD.

MATTERPORT (3D) SCANS OF EXISTING L0 AND ANCILLARY SPACES
SCAN USING CELL PHONE CAMERA. REFER TO SPECIFICATIONS IF COMPUTER COMPUTER LINKS HAVE BEEN PROVIDED.



1 L0 - FLOOR PLAN - DEMOLITION
AD101 1:50

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Client/Project Logo



northern health
the northern way of caring

Client/Project
Northern Health Authority

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Title
LEVEL 0 - EXISTING AND DEMOLITION
FLOOR PLAN

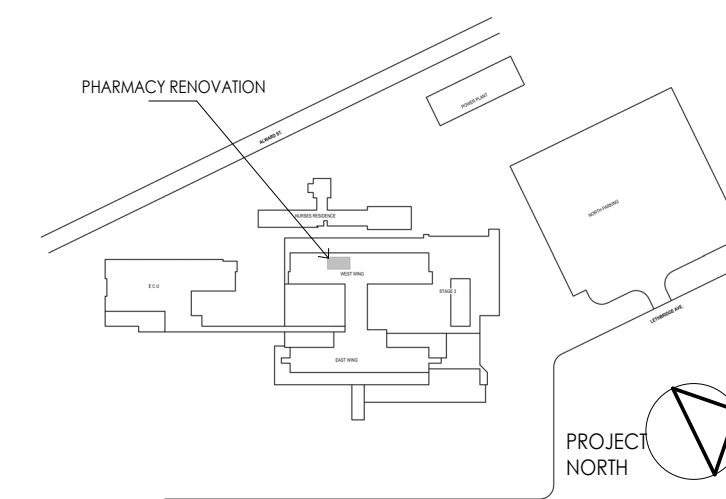
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AD101



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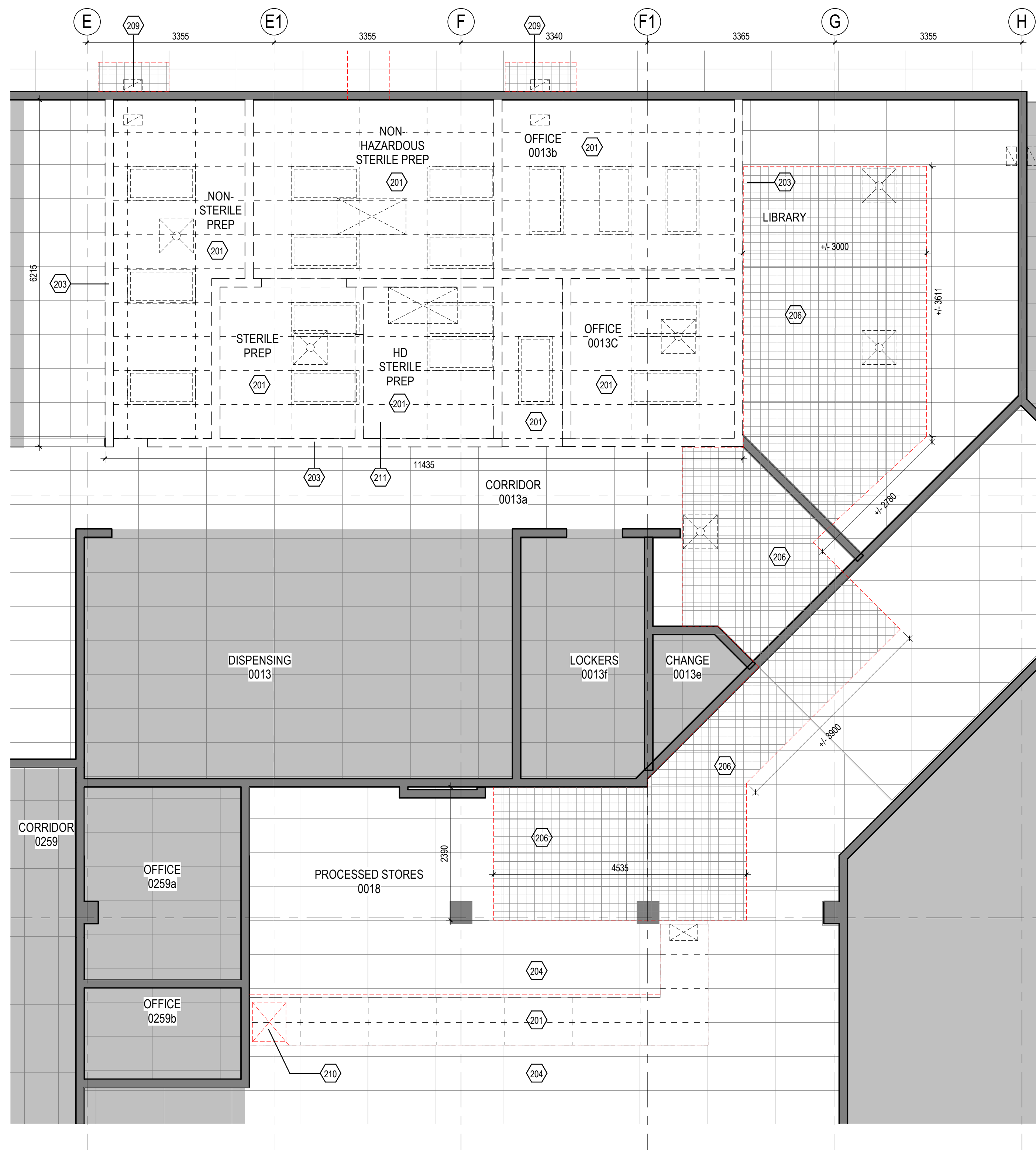
northern health
the northern way of caring

Client/Project
Northern Health Authority

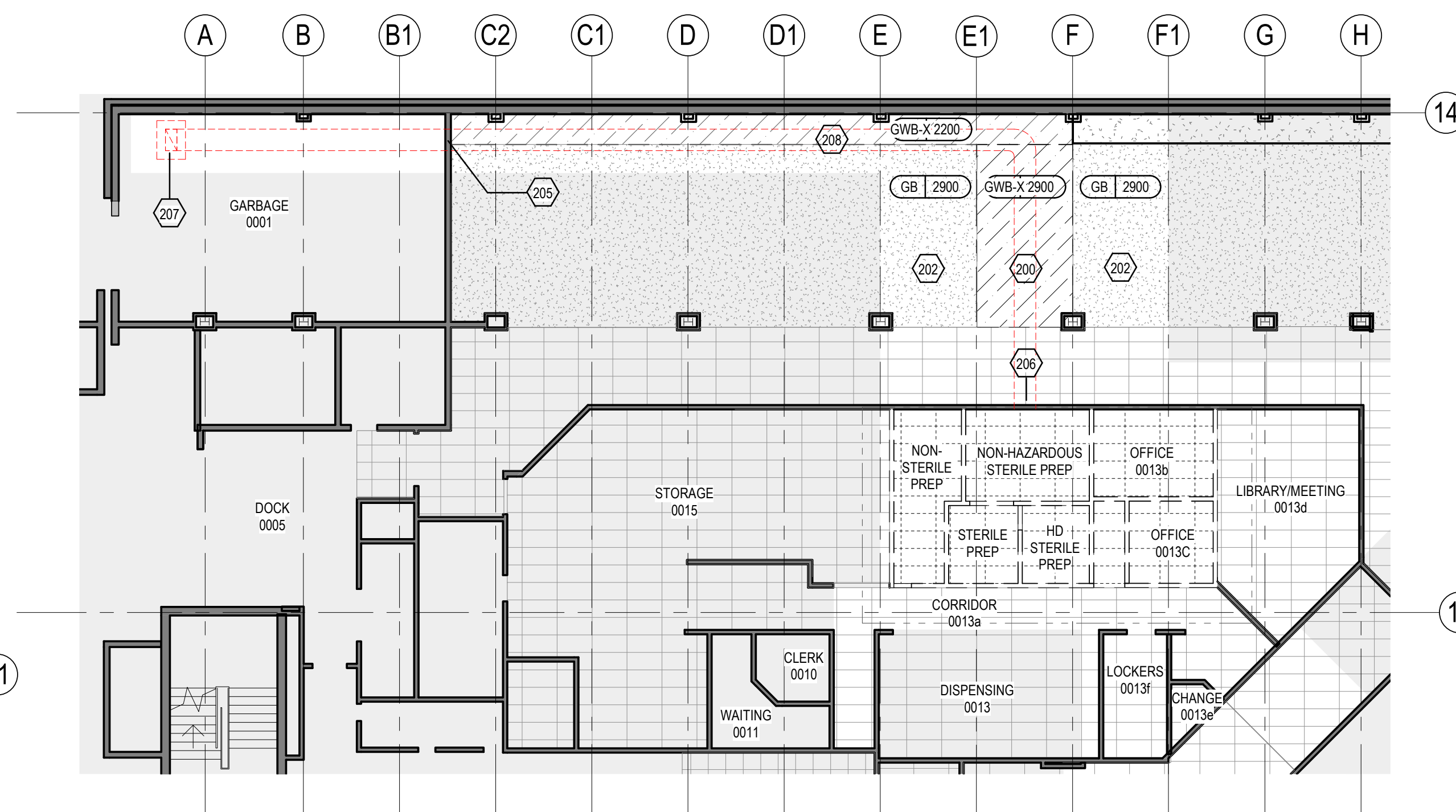
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Title
LEVEL 0 - EXISTING AND DEMOLITION
CEILING PLAN

Project No. 144320228	Scale As indicated
Revision A	Drawing No. AD151



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



2 L0 - EXISTING & DEMOLITION CEILING PLAN - OVERVIEW

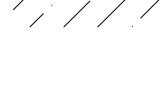

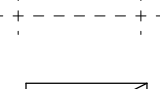
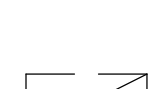

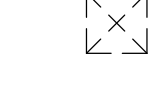
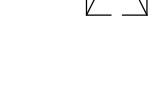

CEILING DEMOLITION KEYNOTES

- | | |
|-----|---|
| 200 | REMOVE AND DISPOSE OF EXISTING GB CEILING TO SUIT DUCTING WORK - REFER TO MECHANICAL AND ELECTRICAL. SALVAGE AND SET ASIDE FOR RELOCATION MECHANICAL GRILLES AND ELECTRICAL FIXTURES. |
| 201 | REMOVE EXISTING ACOUSTIC CEILING TILES & GRIDS AND MECHANICAL GRILLES AND ELECTRICAL FIXTURES. RELocate TO MECHANICAL AND ELECTRICAL. |
| 202 | EXISTING GB CEILING TO REMAIN. PATCH AND MAKE GOOD. |
| 203 | EXISTING ACCT AND GRID TO REMAIN - ADJUST TO SUIT NEW PARTITION. REPLACE DAMAGED TILES AS REQUIRED. |
| 204 | EXISTING ACCT AND GRID TO REMAIN - ADJUST AND ALIGN TO NEW BULKHEAD. REPLACE DAMAGED TILES AS REQUIRED. |
| 205 | OPENING IN EXISTING WALL TO SUIT MECHANICAL DUCTS/PIPPING - REFER TO MECHANICAL. |
| 206 | REMOVE EXISTING ACCT 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 | REMOVE 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 GBW CEILINGS. |
| 209 | REMOVE EXISTING ACCT & GRID TO SUIT TRANSFER GRILL & DUCTWORK DEMOLITION WORK AND REINSTALL. REPLACE ANY DAMAGED TILES. REFER TO MECHANICAL AND ELECTRICAL. |
| 210 | REMOVE EXISTING GBW MECHANICAL DUCTS - REFER TO MECHANICAL AND STRUCTURAL. |
| 211 | DEMOLISH EXISTING BIO-SAFETY CABINET DUCT CONNECTION, CAP AND LABEL DUCTS. REFER TO MECHANICAL. |

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 FLOOR SYSTEMS IN ALL AREAS UNDER DEMOLITION UNLESS OTHERWISE NOTED.

DEMO CEILING LEGEND

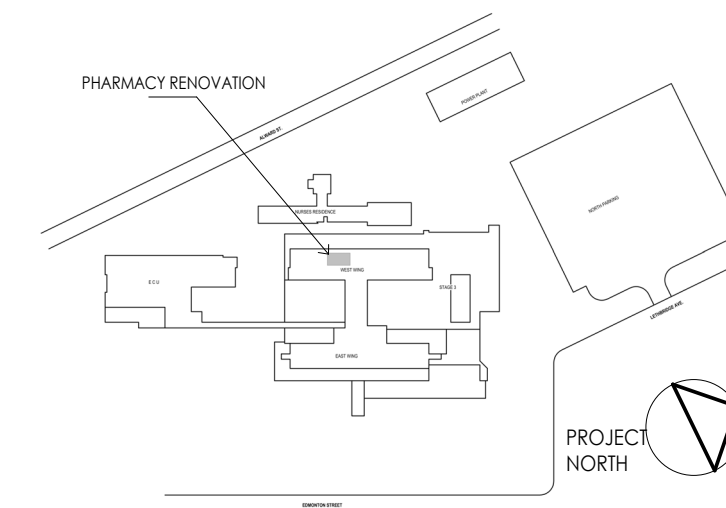
- | | |
|---|---|
|  | GWB-X: EXISTING CEILING AND FIXTURES TO BE REMOVED |
|  | ACT: EXISTING CEILING TO BE MODIFIED TO SUIT
NEW/MODIFIED PARTITIONS AS REQUIRED |
|  | ACT-X: EXISTING SUSPENDED CEILING (GRIDS & TILES) AND
FIXTURES TO BE REMOVED |
|  | EXISTING LIGHT FIXTURE TO REMAIN - REFER TO
ELECTRICAL |
|  | 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 |

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Notes



PHASING & HOARDING GENERAL NOTES

- THE HOSPITAL, INCLUDING THE DEPARTMENTS TO BE RENOVATED, ARE TO REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT THE AREAS INDICATED WITHIN EACH PHASE OF WORK. THE HOARDING SHOWN IN THE DRAWINGS IS A RECOMMENDATION ONLY. THE PHASING & HOARDING INDICATED IS TO BE REVIEWED AND CONFIRMED BY THE CONTRACTOR ON SITE BEFORE COMMENCEMENT OF EACH PHASE. ANY VARIATIONS THAT WILL IMPACT THE OWNER'S USE OF ANY AREA OUTSIDE THE AREA OF EACH PHASE OF WORK ARE TO BE COORDINATED DIRECTLY WITH THE OWNER. PUBLIC CORRIDORS MUST REMAIN ACCESSIBLE AT ALL TIME WITH A MINIMUM 1100mm CLEARANCE UNLESS NOTED OTHERWISE.
- PROVIDE SUITABLE CODE-COMPLIANT EXIT SIGNAGE, EMERGENCY LIGHTING, TEMPORARY LIGHTING, TEMPORARY VENTILATION AND ALL OTHER REQUIRED LIFE SAFETY SYSTEMS, UNIQUE TO EACH PHASE OF THE WORK. PROVIDE SAFETY TRAINING FOR TRADES & THE OWNER FOR EACH PHASE OF WORK. ENSURE A FIRE WATCH IS PROVIDED IF THE ALARM SYSTEM IS DOWN AT ANY TIME. APPLY FOR INTERIM OCCUPANCY OF EACH SUB-PHASE OF WORK ALLOWING TIME FOR CONSULTANT & AHJ REVIEWS. REPAIR ALL FINISHES DAMAGED BY HOARDING &/OR OTHER RENOVATION WORK.
- EXISTING BUILDING SYSTEMS ARE TO REMAIN FULLY FUNCTIONAL/OPERATIONAL DURING CONSTRUCTION AT ALL TIMES. REFER TO ELECTRIC FOR SPECIFIC PHASING REQUIREMENTS AS COMPONENTS ARE ADDED TO THE SYSTEMS.

PHASING & HOARDING LEGEND

- EXTENT OF AREAS NOT IN CONTRACT (UNLESS NOTED OTHERWISE)
- EXTENT OF AREAS TO BE RENOVATED
- AREA OF WORK IN PHASE #
- HOARDING TYPE 1 (FLOOR TO U/S OF EXIST. CEILING): FABRICATED PVC HOARDING SYSTEM
- HOARDING TYPE 2 (FLOOR TO U/S OF EXIST. CEILING): POLY ZIP WALL
- PRIMARY PATH OF CONSTRUCTION ACCESS
- SECONDARY PATH OF CONSTRUCTION ACCESS. LIMIT USE TO HEAVY MATERIALS/EQUIPMENT.

BUILDING CODE ANALYSIS

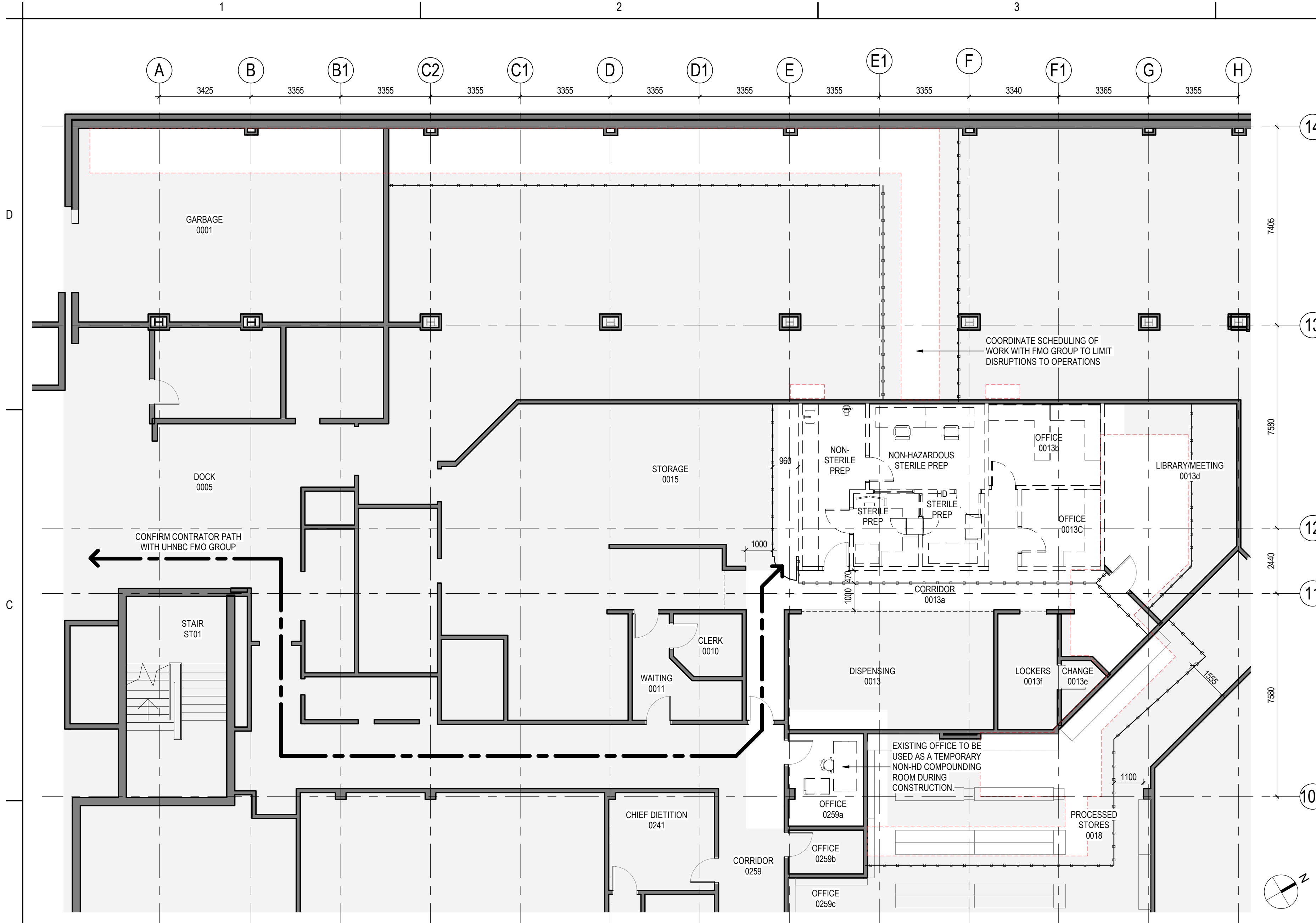
1	FIRM NAME:	STANTEC ARCHITECTURE LTD.
2	CERTIFICATE OF PRACTICE NUMBER:	68
3	NAME OF PROJECT:	UHNBC (UNIVERSITY HOSPITAL OF NORTHERN BC) - NAPRA PHARMACY RENOVATION
4	LOCATION:	1475 EDMONTON ST, PRINCE GEORGE, BC V2M 1S2
5	APPLICABLE BUILDING CODES:	BRITISH COLUMBIA BUILDING CODE 2018
6	PROJECT DESCRIPTION:	INTERIOR RENOVATIONS WITHIN EXISTING HOSPITAL FACILITY TO EXISTING SPACES SERVING HOSPITAL FUNCTIONS TO ACCOMMODATE NEW PHARMACEUTICAL COMPOUNDING STANDARDS. ALTERATIONS INCLUDE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL.
7	PROJECT CONSTRUCTION TYPE:	ALTERATION
8	MAJOR OCCUPANCY CLASSIFICATION:	GROUP B, DIVISION 2 - HOSPITAL
9	OTHER INTENDED OCCUPANCY(IES):	N/A
10	BUILDING AREA (sq.m.):	N/A
11	AREA OF RENOVATION (sq.m.):	110 sq.m.
12	NUMBER OF STOREYS ABOVE GRADE:	5 STOREYS
13	NUMBER OF STREETS BUILDING IS FACING:	3 STREETS. NO CHANGE.
14	FIRE FIGHTER ACCESS ROUTE:	EXISTING
15	CONSTRUCTION RELATIVE TO OCCUPANCY CLASSIFICATION:	GROUP B, DIVISION 2, ANY HEIGHT, ANY AREA, SPRINKLERED
16	SPRINKLER SYSTEM:	MODIFICATION TO EXISTING SPRINKLER SYSTEM.
17A	CONSTRUCTION RESTRICTIONS:	NON-COMBUSTIBLE
17B	ACTUAL CONSTRUCTION:	NEW ALTERATIONS CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS.
18	BUILDING FIRE SAFETY HEAVY TIMBER ROOF PERMITTED:	N/A
19	OCCUPANT LOAD CALCULATIONS:	EXISTING OCCUPANT LOAD TO REMAIN. NO CHANGE.
20	NUMBER AND LOCATION OF EXITS FROM FLOOR AREA	
20A	NUMBER OF EXIT DOORS PROVIDED FROM...	EXISTING EXIT FACILITIES TO REMAIN. NO CHANGE.
20B	TRAVEL DISTANCE TO AN EXIT:	40 METERS
20C	DISTANCE BETWEEN EXITS:	EXISTING. NO CHANGE.
21	OCCUPANT LOAD BASED ON AGGREGATE EXIT WIDTH (EXIT DOORS):	EXISTING OCCUPANT LOAD UNCHANGED. EXISTING EXIT WIDTH TO REMAIN. NO CHANGE.
22	MEANS OF EGRESS FROM MEZZANINE:	N/A
23	HORIZONTAL EXITS:	N/A
24	REQUIRED FIRE RESISTANCE RATING (FRR) FOR ASSEMBLIES	
24A	FLOOR:	NOT LESS THAN 2H
24B	ROOF:	NOT REQUIRED
24C	PROTECTION OF ROOF DECK ASSEMBLY:	BUILDING IS SPRINKLERED THROUGHOUT. PROTECTION OF ROOF DECK ASSEMBLY NOT REQUIRED.
24D	EXIT SEPARATION:	1H
24E	MEZZANINE:	NOT LESS THAN 1H
24F	SUPPORTING MEMBERS OF RATED ASSEMBLY:	NOT LESS THAN 1H
24G	FLOORS ABOVE CRAWLSPACE:	N/A
24H	FIREWALLS:	N/A
24J	MAJOR OCCUPANCY SEPARATION:	N/A
24K	JANITOR'S ROOMS:	N/A
24L	COMMON LAUNDRY ROOMS:	N/A
24M	STORAGE GARAGE:	N/A
24N	HAZARDOUS SUBSTANCES EQUIPMENT & PROCESS:	N/A
24P	STORAGE OF EXPLOSIVE:	N/A
24Q	INDOOR STORAGE OF COMPRESSED GASES:	N/A
24R	SERVICE ROOM WITH FUEL-FIRED APPLIANCE:	NO CHANGE.
24S	COMBUSTIBLE REFUSE STORAGE:	N/A
25	MEZZANINE RELATIVE TO FLOOR AREA:	N/A
26	FIRE ALARM REQUIRED:	REQUIRED. MODIFICATION TO EXISTING SYSTEM.
27	WATER SERVICES/SUPPLY IS ADEQUATE:	EXISTING WATER SERVICE. NO CHANGE.
28	SPATIAL SEPARATION:	NO CHANGE TO THE AREA OF UNPROTECTED OPENINGS
29	BARRIER-FREE DESIGN:	ALTERATIONS TO COMPLY WITH BARRIER-FREE DESIGN; EXISTING CONDITION, NO CHANGE.
30	PROTECTION OF BARRIER FREE FLOORS:	EXISTING. NO CHANGE.
31	PLUMBING FACILITIES:	EXISTING WC & LAV TO REMAIN. NO CHANGE.

FIRE RATED SEPARATION LEGEND

- 0 HOUR FIRE RATED SEPARATION
- 45 MIN FIRE RATED SEPARATION
- 1 HOUR FIRE RATED SEPARATION
- 90 MIN FIRE RATED SEPARATION
- 2 HOUR FIRE RATED SEPARATION

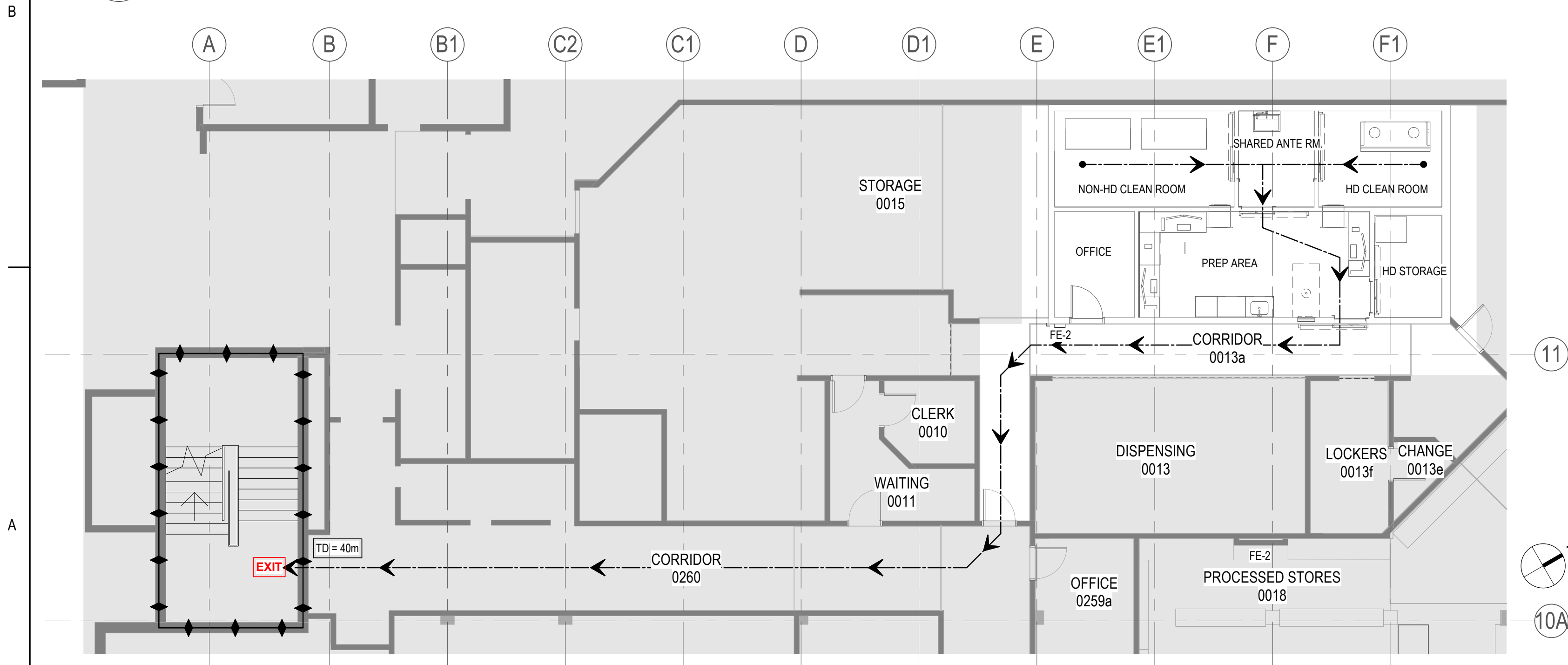
LIFE SAFETY LEGEND

- PATH OF TRAVEL
- TRAVEL DISTANCE TO EXIT
- EXISTING FIRE EXTINGUISHER IN CABINET - RECESSED
- EXISTING FIRE EXTINGUISHER - SURFACE MOUNTED
- EXISTING FIRE HOSE CABINET



2 L0 - PROPOSED PHASING & HOARDING

AE001 1 : 100



1 L0 - LIFE SAFETY PLAN

AE001 1 : 100

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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 - FLOOR PHASING &
HOARDING PLAN AND LIFE SAFETY
PLAN

Project No.
144320228

Revision
A

Scale
As indicated

Drawing No.

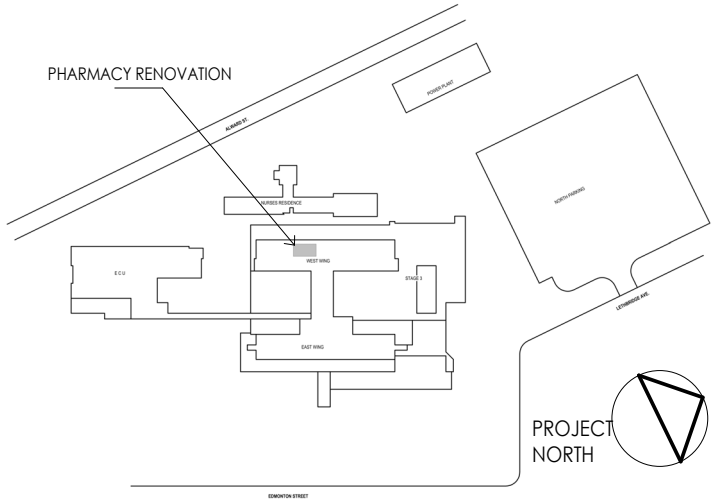
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Notes



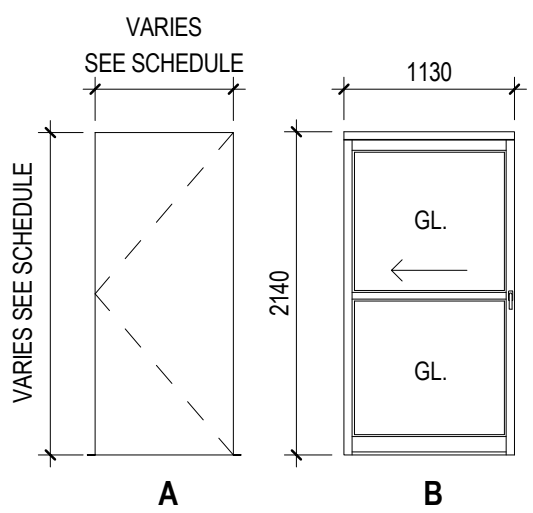
PARTITION GENERAL NOTES

- ALL INTERIOR PARTITION TYPES ARE "P1" UNLESS OTHERWISE NOTED
- ALL INTERIOR PARTITIONS ARE TO BE CONSTRUCTED TO THE SAME HEIGHT AS ADJACENT EXISTING PARTITIONS UNLESS NOTED OTHERWISE. PROVIDE SLIP TRACK AGAINST STRUCTURE AT TOP OF ALL FULL HEIGHT STEEL STUD PARTITIONS.
- INTERIOR PARTITIONS THAT ARE NOT TO US OF FLOOR OR ROOF DECK ABOVE MUST BE BRACED TO US OF FLOOR OR ROOF DECK FROM ABOVE THE CEILING. PROVIDE SHOP DRAWING SUBMITTAL SEALED BY AN ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF MANITOBA.
- BATT INSULATION TO FILL ENTIRE STUD CAVITY WHERE SCHEDULED IN PARTITION TYPE.
- REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR EXTENT OF DISCIPLINE DEMOLITION.
- PATCH AND REPAIR WALLS FROM FLOOR TO US OF CEILING READY TO RECEIVE NEW PAINT FINISH.
- PATCH AND REPAIR WALLS, FLOOR, AND CEILING AT ALL AREAS WHERE MILLWORK AND/OR WALLS WERE REMOVED. CONSTRUCTION AND FINISHING TO MATCH EXISTING OR NEW ADJACENT CONSTRUCTION AND FINISH.
- FIRESTOP ALL NEW AND EXISTING OPENINGS IN FLOORS AND FIRE RATED WALLS.
- ALL DIMENSIONS ARE FROM FINISHED FACE OF INTERIOR PARTITIONS UNLESS NOTED OTHERWISE.
- ALL NEW WALLS FLUSH TO EXISTING.
- MAKE GOOD: IN GENERAL, DEFINED AS MATCHING ADJACENT SURFACES SUCH THAT THERE IS NO VISIBLE DIFFERENCE BETWEEN EXISTING AND NEW SURFACES WHEN VIEWED IN AMBIENT LIGHT FROM A DISTANCE OF 5'-0". IN RENOVATION AREAS, "MAKE GOOD" MEANS REPAIRING SUBSTRATE SURFACES AND, IN AREAS NOT SCHEDULED FOR REFINISHING, REFERS TO PATCHING, REPAIRING, AND FINISHING TO MATCH ADJACENT SURFACES AND INCLUDES APPLYING A NEW PAINT FINISH TO SURFACE UP TO NEXT CHANGE IN PLANE IN ALL DIRECTIONS.
- CONTRACTOR SHALL PROVIDE BLOCKING IN WALLS FOR ALL WALL MOUNTED MILLWORK, EQUIPMENT, FIXTURES, AND FURNITURE AS INDICATED ON DRAWINGS. THIS INCLUDES OWNER SUPPLIED FURNITURE, FIXTURES, EQUIPMENT, AND SIGNAGE.

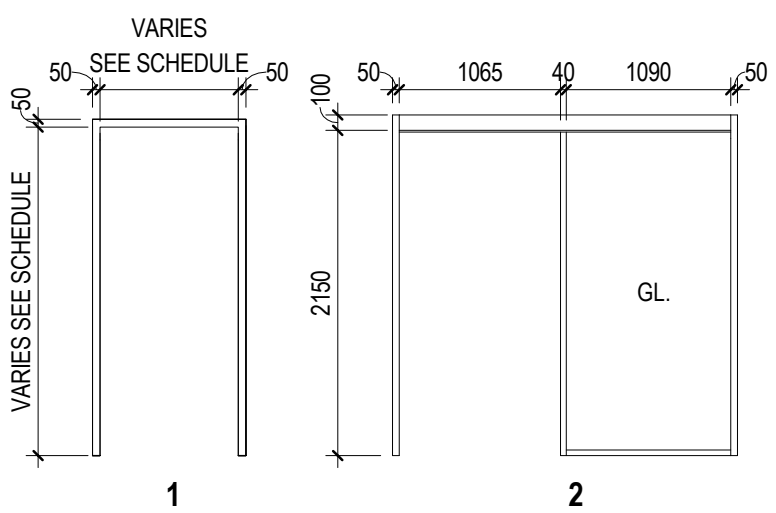
520 EXISTING SEISMIC RESTRAINTS REINSTALLED/ PROVIDE NEW AS REQUIRED. PROVIDE SIGNED & SEALED LETTERS OF ASSURANCE.

PLAN KEYNOTES

DOOR TYPES



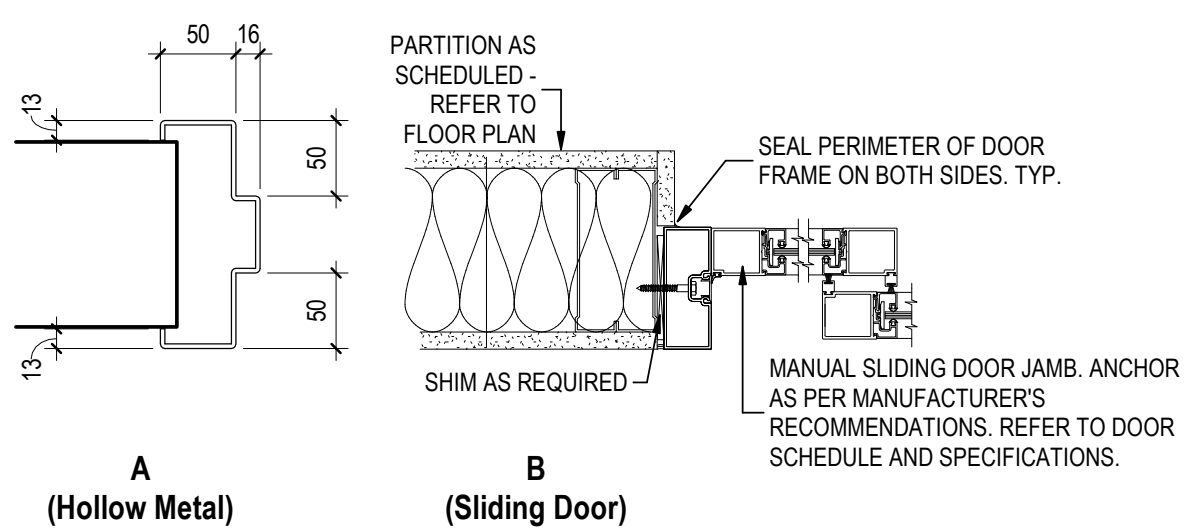
FRAME TYPES



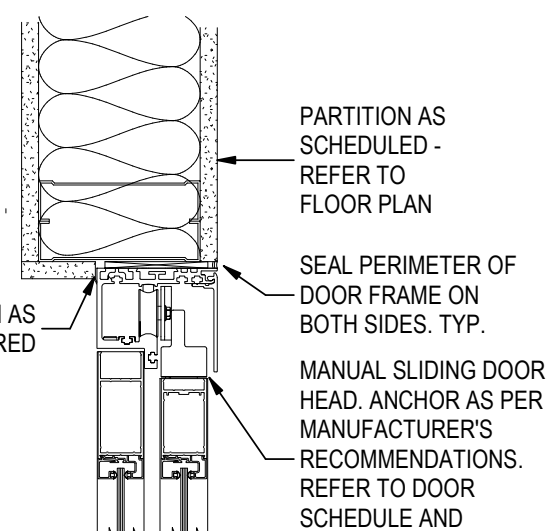
ABBREVIATIONS

ALUM	ALUMINUM
ANOD	ANODIZED
EX	EXISTING TO REMAIN
GL	GLAZING
HM	HOLLOW METAL
MTL	METAL
PT	PAINT FINISH
PSF	PRESSED STEEL FRAME
WD	WOOD

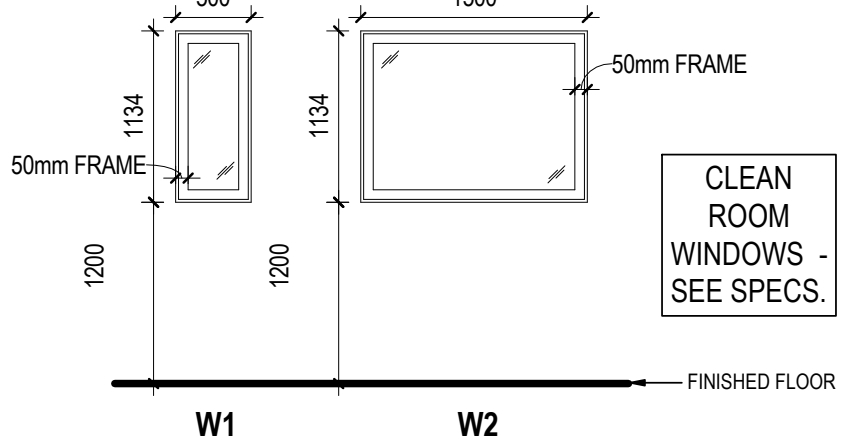
DOOR FRAME PROFILES



TYP. SLIDING DOOR HEAD



WINDOW TYPES



Window Schedule						
Mark	From Room: Name	To Room: Name	Width	Height	Sill Height	Head Height
W1	PREP AREA	HD CLEAN ROOM	500	1134	1200	2334
W2	PREP AREA	NON-HD CLEAN ROOM	1500	1134	1200	2334

Door Schedule												
Mark	Room Number	Room Name	Width	Height	Thickness	Panel Material	Panel Finish	Door Type	Frame Material	Frame Finish	Frame Type	Notes
D1.0	1.0	OFFICE	900	2134	45	EXIST	RE-FINISH	A	EXIST	RE-FINISH	1	EXISTING DOOR, FRAME AND HARDWARE TO BE REUSED IF POSSIBLE.
D2.0	2.0	NON-HD CLEAN ROOM	1980	2134	45	ALUM, GL		B	ALUM	PRE-FIN	2	PROVIDE ALUMINUM CASING WITH NEOPRENE LIP DOOR BOTTOM AND WAVE-TO-OPEN ADO
D3.0	3.0	SHARED ANTE RM.	1980	2134	45	ALUM, GL		B	ALUM	PRE-FIN	2	PROVIDE ALUMINUM CASING WITH NEOPRENE LIP DOOR BOTTOM AND WAVE-TO-OPEN ADO
D4.0	4.0	HD CLEAN ROOM	1980	2134	45	ALUM, GL		B	ALUM	PRE-FIN	2	PROVIDE ALUMINUM CASING WITH NEOPRENE LIP DOOR BOTTOM AND WAVE-TO-OPEN ADO
D5.0	5.0	PREP AREA	1980	2134	45	ALUM, GL		B	ALUM	PRE-FIN	2	PROVIDE ALUMINUM CASING WITH NEOPRENE DOOR BOTTOM, CARD READER AND WAVE-TO-OPEN ADO
D6.0	6.0	HD STORAGE	1980	2134	45	ALUM, GL		B	ALUM	PRE-FIN	2	PROVIDE ALUMINUM CASING WITH NEOPRENE DOOR BOTTOM AND WAVE-TO-OPEN ADO

L0 - FLOOR PLAN - RENOVATION

1:50

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Title
LEVEL 0 - RENOVATION PLAN

Project No.
144320228
Revision
A

Scale
As indicated
Drawing No.

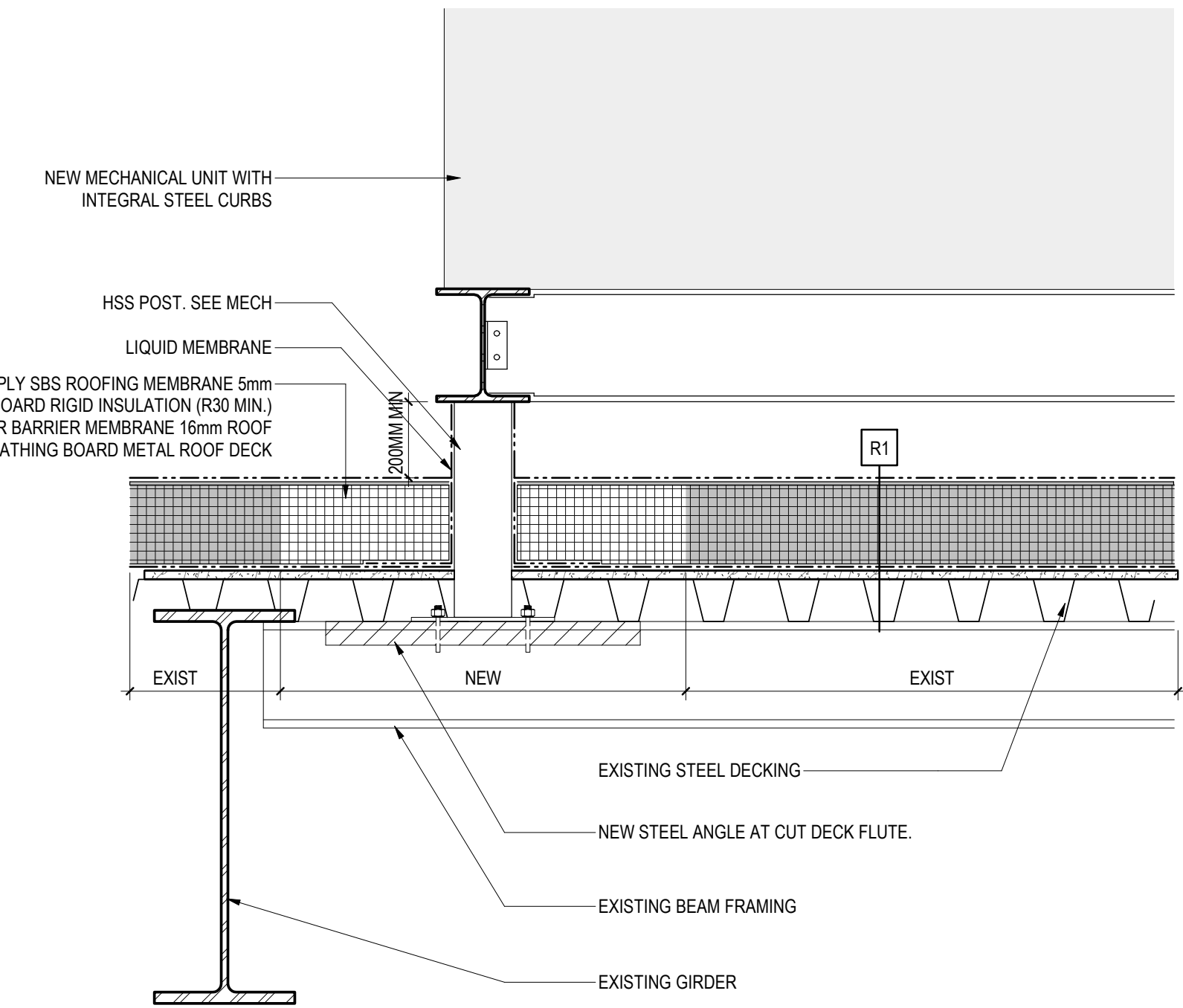
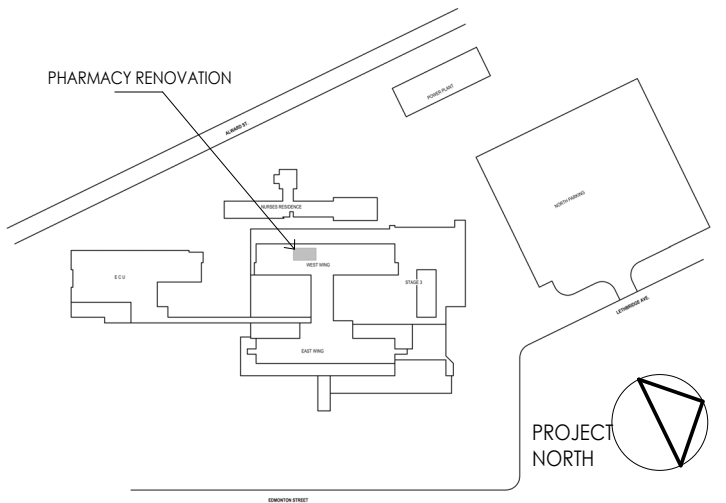
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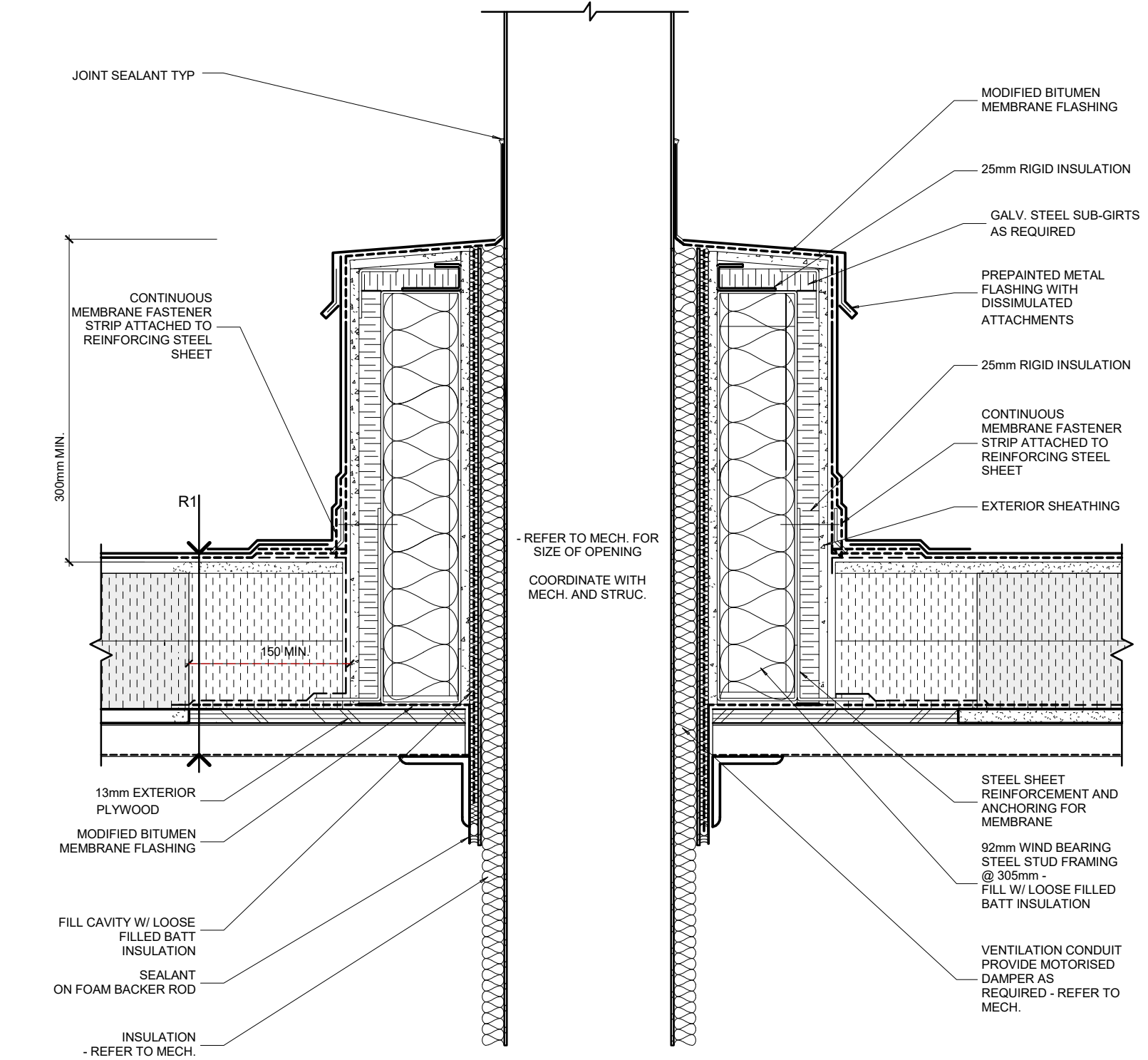


STRUCTURAL COMMENTS:
- REMOVE STEEL DECKING, AND BOLT NEW MECHANICAL UNIT SUPPORT FRAMING TO EXISTING STRUCTURE.
- ADD STIFFENERS AT EXISTING BEAM FRAMING SUPPORT LOCATIONS, EACH SIDE.
- ADD 600MM LONG ANGLE AT U/S OF STEEL STEEL TO SUPPORT STEEL DECK, MAX 1 CUT FLUTE.
- PROVIDE ANGLE FRAMING AT EACH NEW DUCT PENETRATION LOCATION.

2 ROOF CURB DETAIL

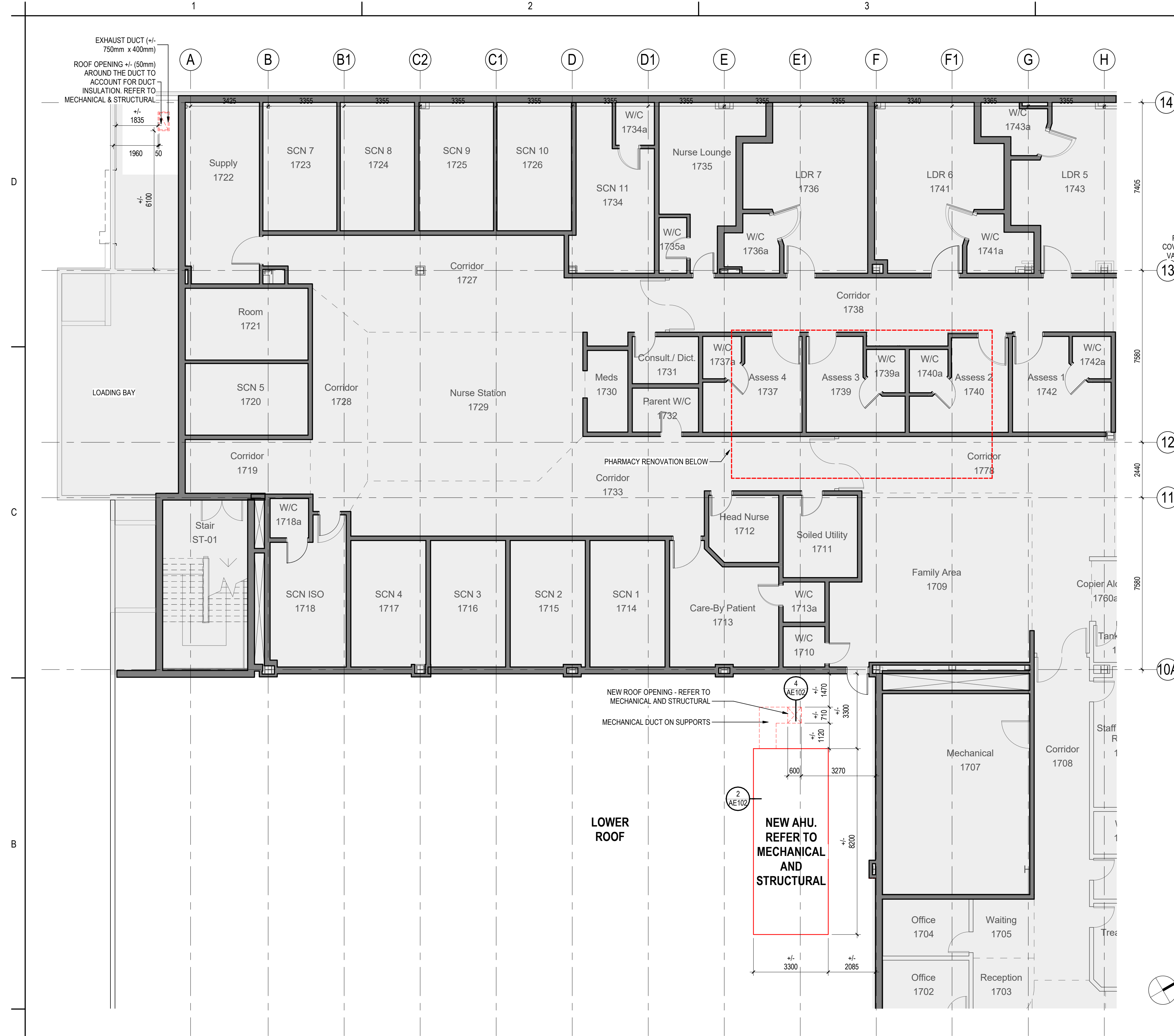
AE102 1:10

R1: 2 PLY SBS ROOFING MEMBRANE
5mm COVER BOARD
RIGID INSULATION (R30 MIN.)
VAPOUR BARRIER MEMBRANE
16mm ROOF SHEATHING BOARD
METAL ROOF DECK



4 DUCT PENETRATION DETAIL

AE102 1:5



LOWER ROOF

NEW AHU.
REFER TO
MECHANICAL
AND
STRUCTURAL

1 LEVEL 1 - RENOVATION PLAN

AE102 1:100

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Title
LEVEL 1 - RENOVATION PLAN

Project No.
144320228

Revision
A

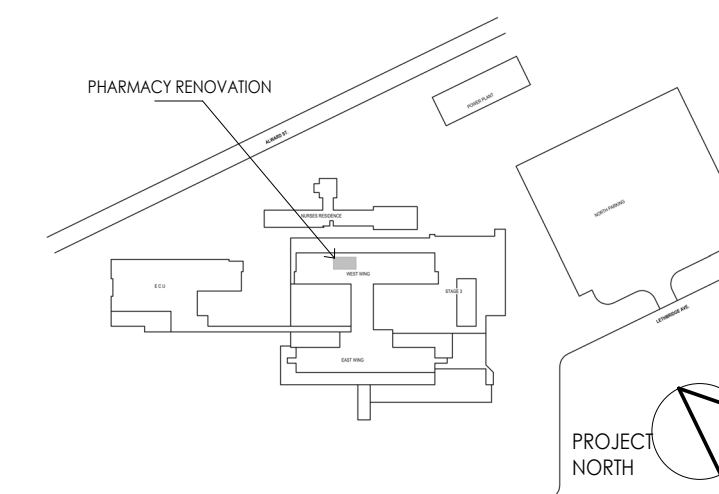
Scale
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Drawing No.

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Notes

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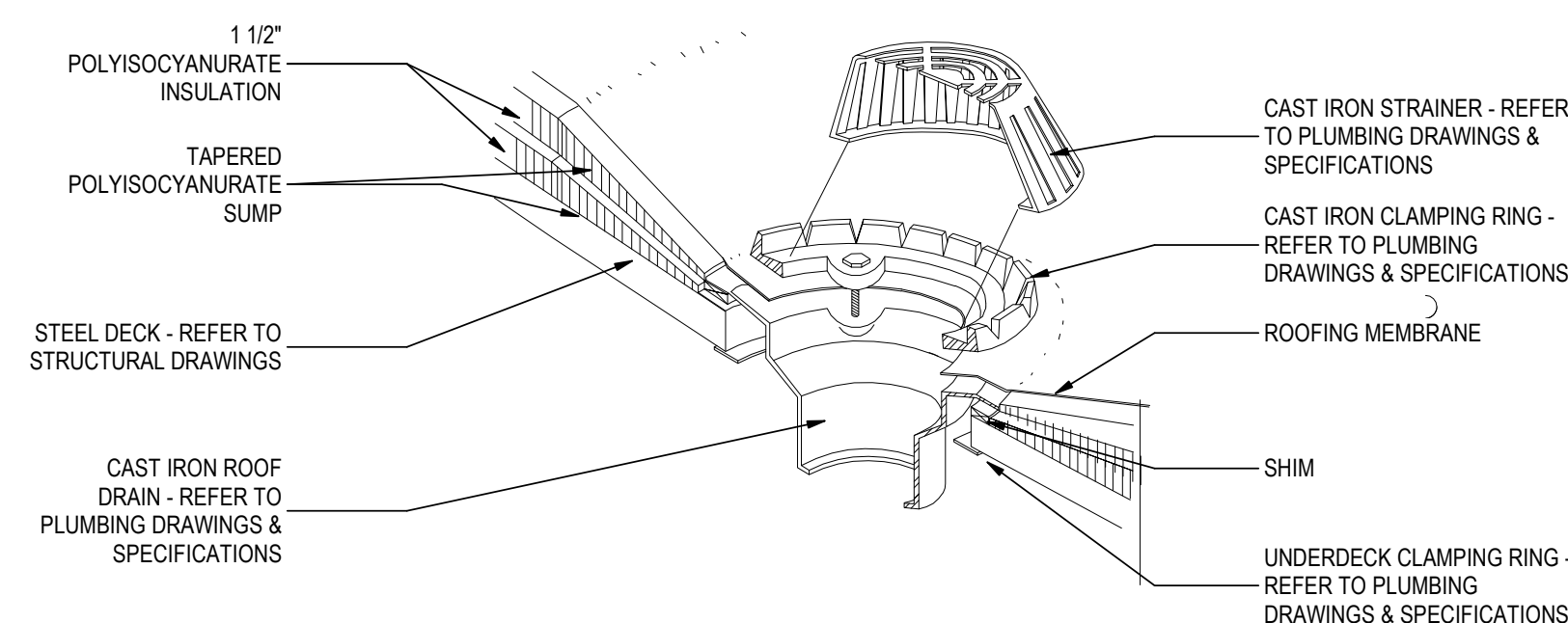
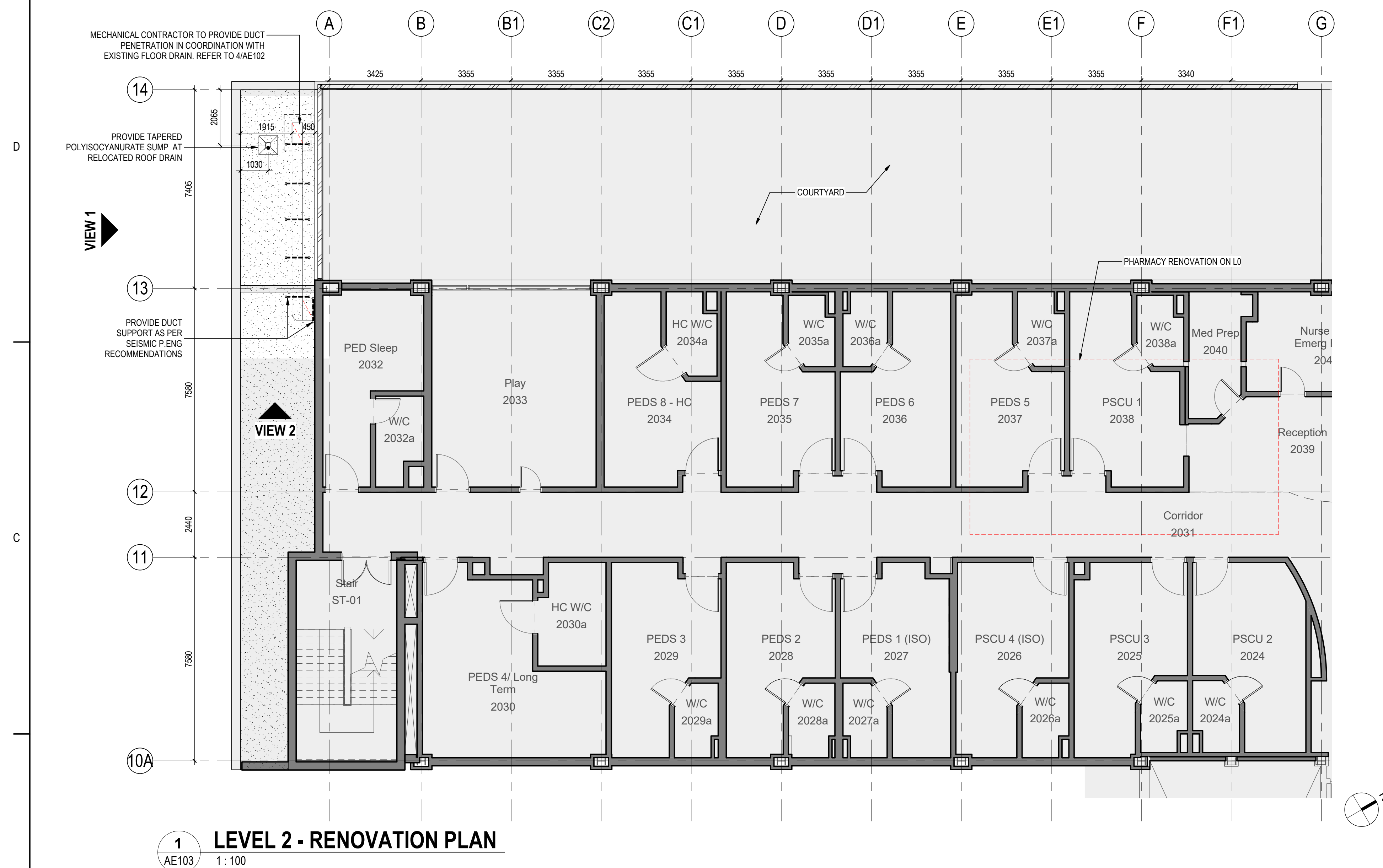
Title
LEVEL 2 - RENOVATION PLAN

Project No.
144320228

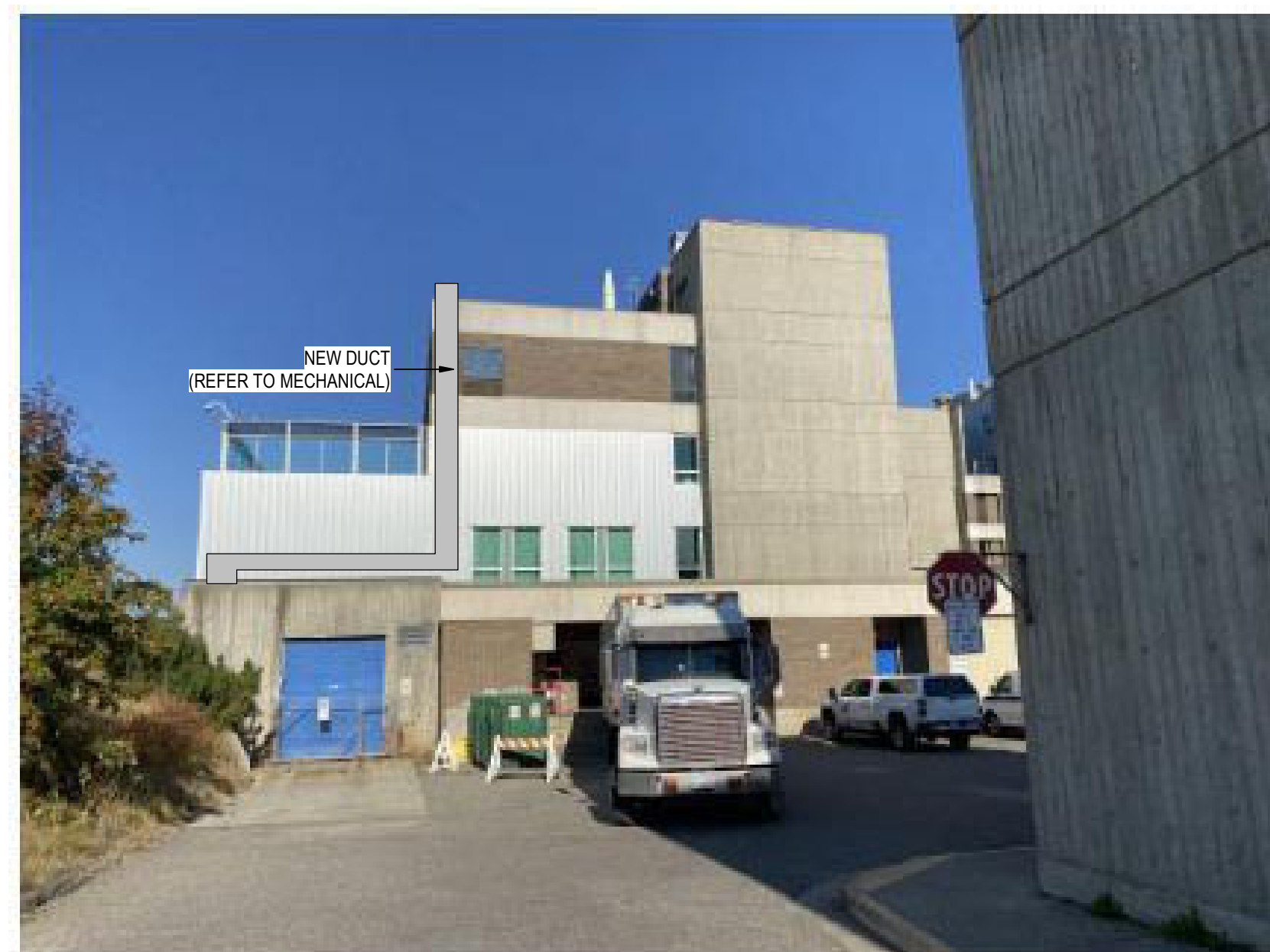
Revision
A

Scale
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AE103



2 **ROOF DRAIN DETAIL**
AE103 1:1



VIEW 1

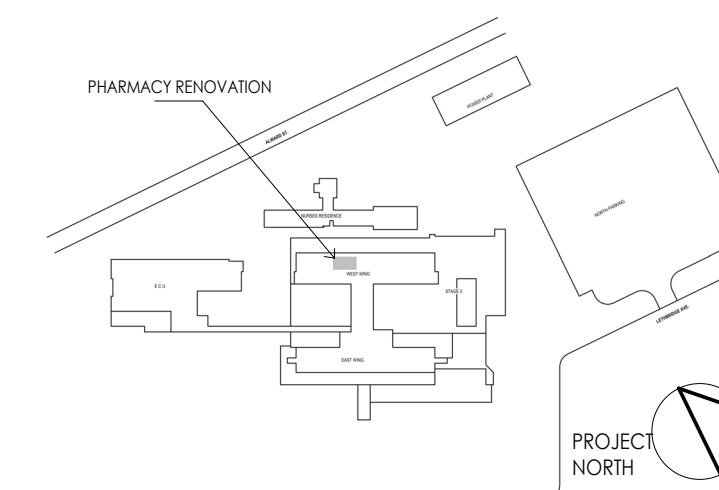
L2 VIEWS



VIEW 2

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Issued/Revision		By	Appd	YYYY.MM.

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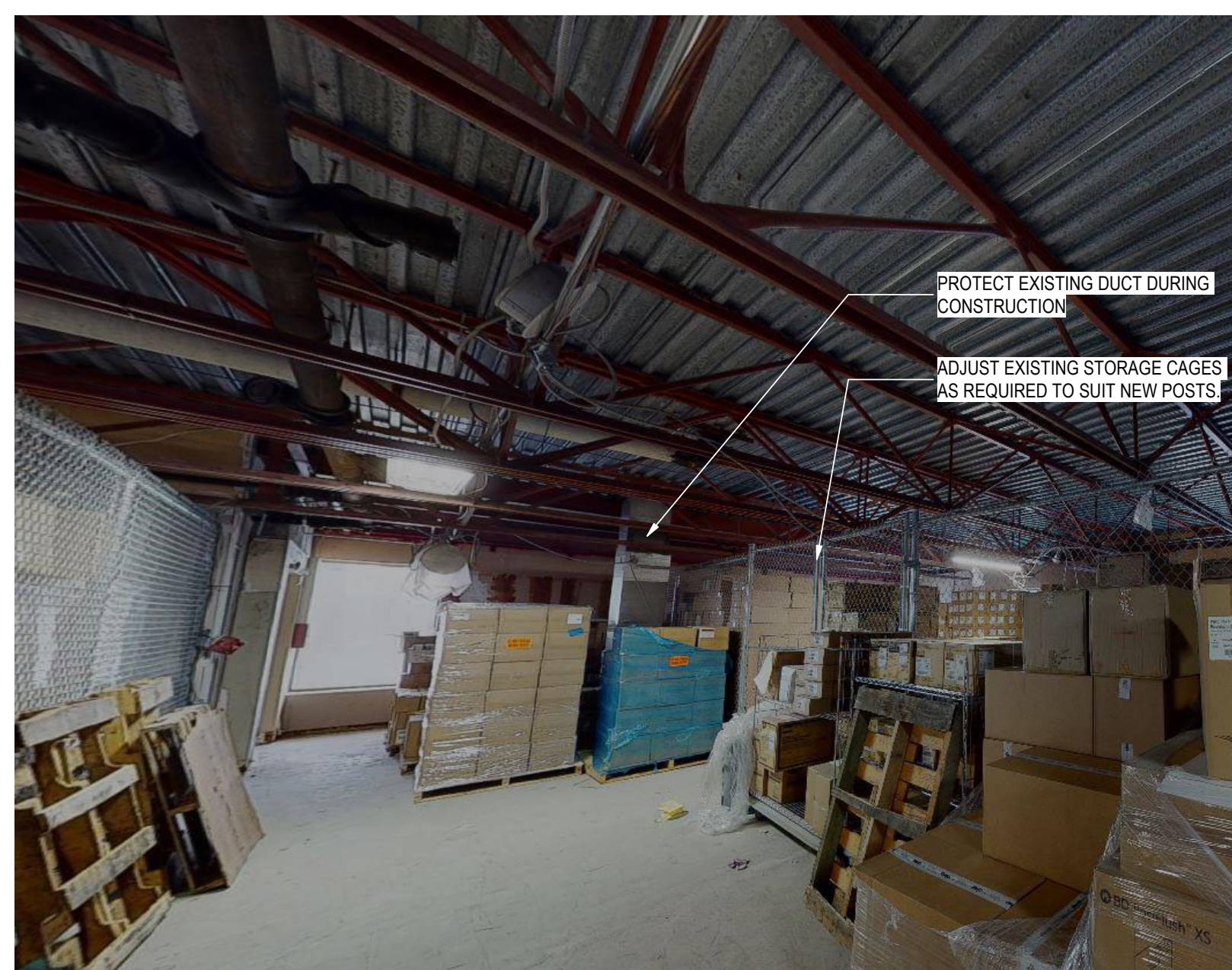
Title
LEVEL 3 - RENOVATION PLAN

Project No.
144320228

Revision
A

Scale	As indicated
Drawing No.	

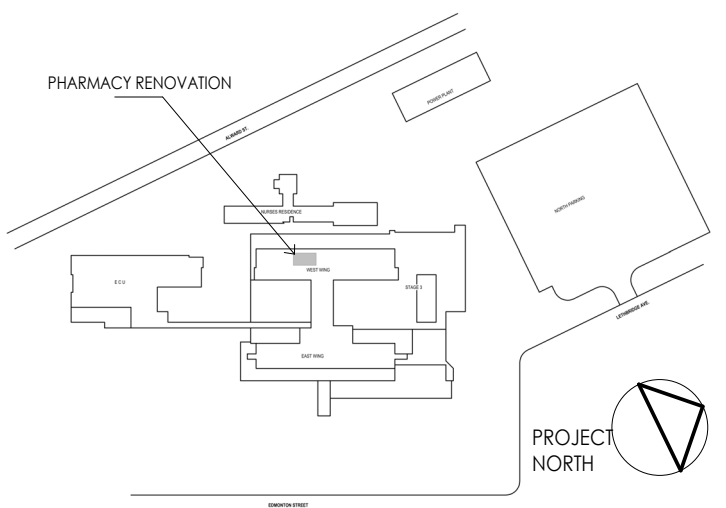
AE104



L3 VIEW 1

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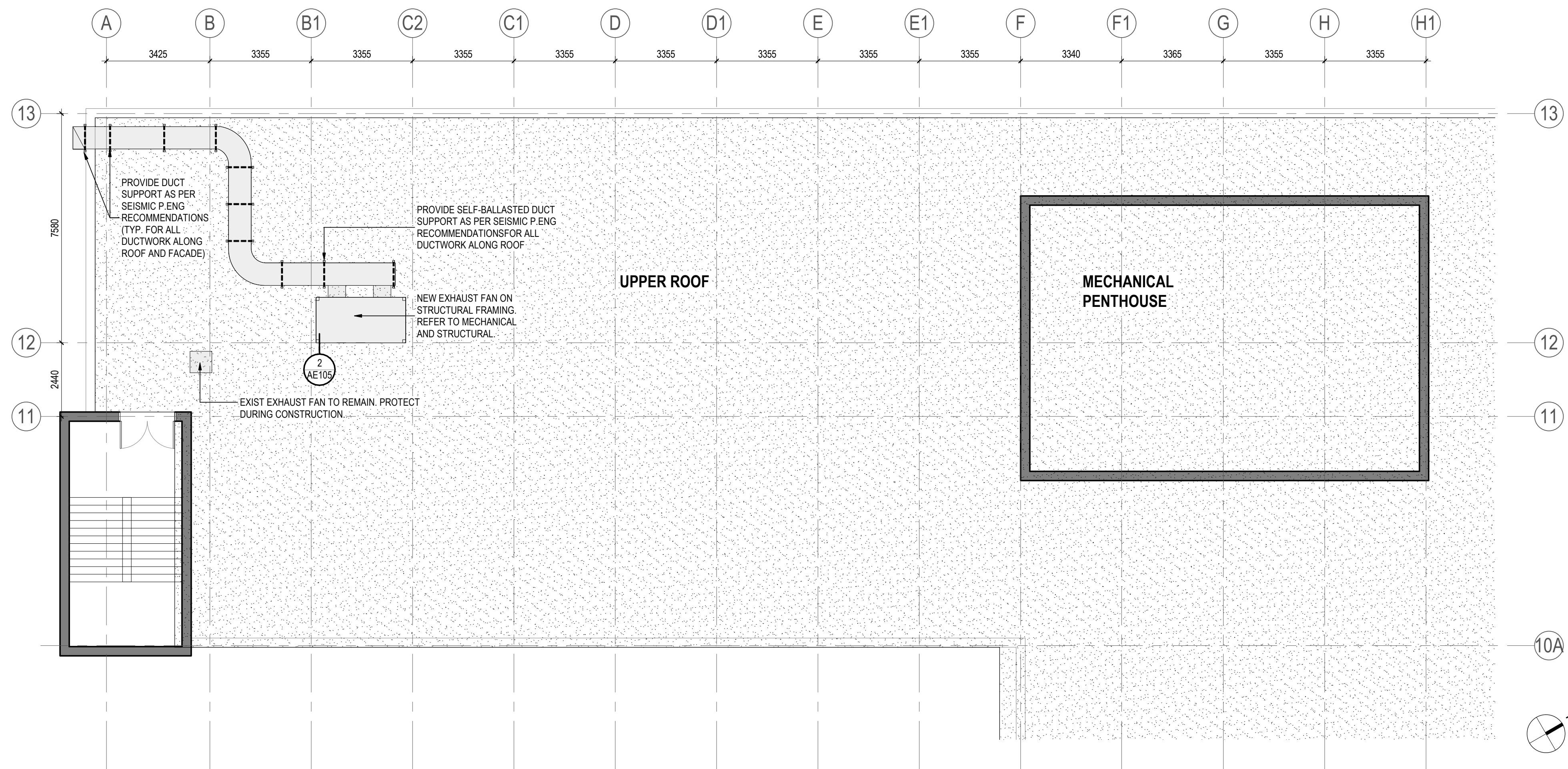
Client/Project
Northern Health Authority

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NAPRA Pharmacy Renovation
1475 Edmonton St, Prince George, BC V2M 1S2

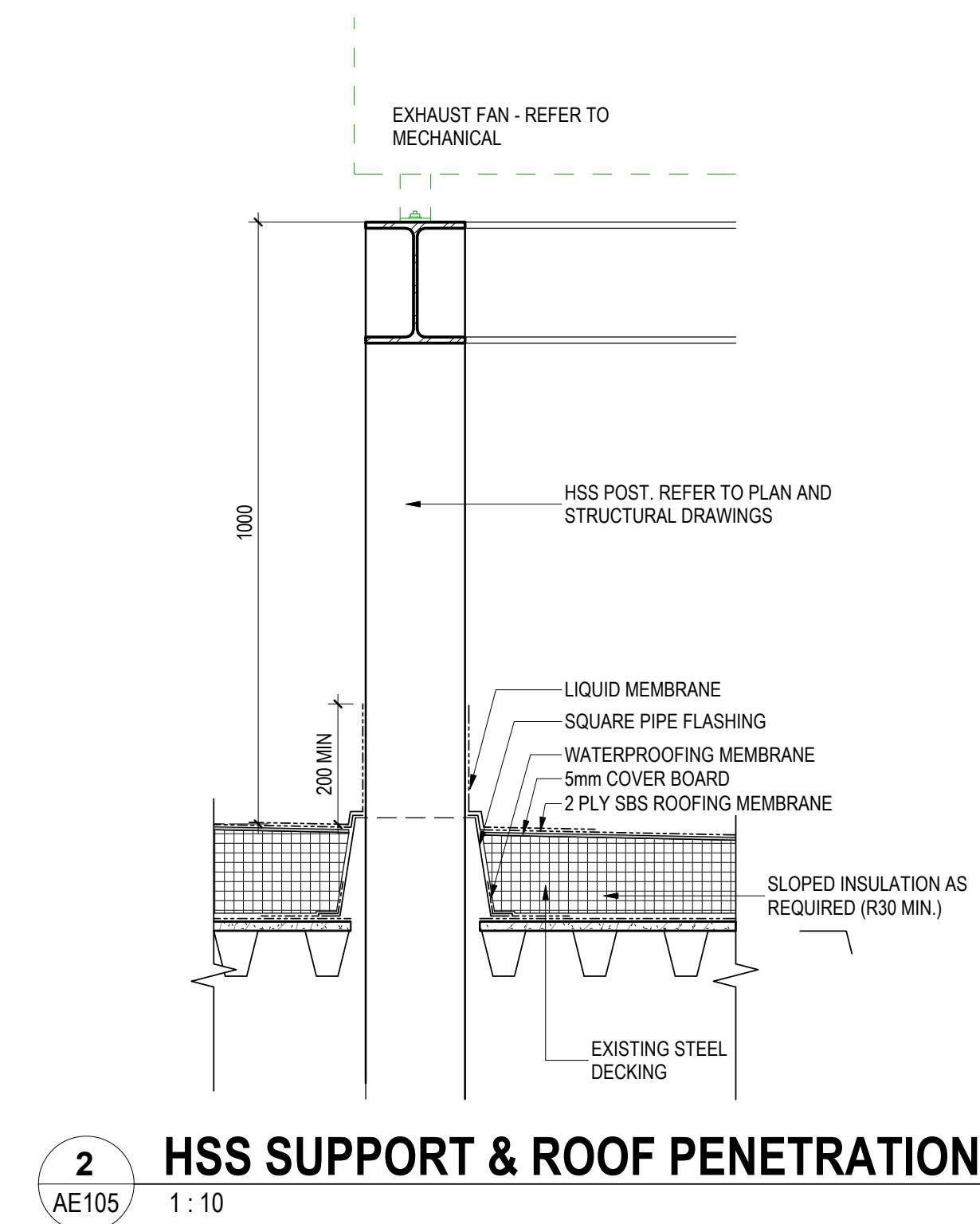
Title
UPPER ROOF - RENOVATION PLAN

Project No. 144320228	Scale As indicated
Revision A	Drawing No. AE105

AE105



1 UPPER ROOF PLAN
AE105 1 : 100



2 HSS SUPPORT & ROOF PENETRATION
AE105 1:10



GENERAL NOTES

1. REFER TO EQUIPMENT SCHEDULE FOR EQUIPMENT CODES.
CS CI - CONTRACTOR SUPPLIED; CONTRACTOR INSTALLED.
CS OI - CONTRACTOR SUPPLIED; OWNER INSTALLED.
OS CI - OWNER SUPPLIED; CONTRACTOR INSTALLED.
OS OI - OWNER SUPPLIED; OWNER INSTALLED.

ENLARGED PLAN KEYNOTES

500 WELDED DEMARCATION LINE.
501 PROVIDE NEW CONCRETE INFILL AT TRENCHING.
502 FOLDED COMBINED EMERGENCY EYEWASH & SHOWER. REFER TO MECHANICAL.
503 WELD COUNTERS TO ENSURE SMOOTH CONTINUOUS SURFACE.
504 CLEAN OUT ACCESS PANEL - PROVIDE GASKETING AS REQUIRED. REFER TO MECHANICAL.
505 PROVIDE BACKING FOR FUTURE OSOI WALL STORAGE-REFER TO ELEVATIONS.
506 STAINLESS STEEL UNDER CABINETS. REFER TO ELEVATIONS.
507 STAINLESS STEEL UPPER CABINETS. REFER TO ELEVATIONS.
508
509 STAINLESS STEEL SCRUB SINK C/W SOAP AND SANITIZER DISPENSERS DIRECTLY ABOVE. REFER TO MECHANICAL.
510 STAINLESS STEEL COUNTER WITH INTEGRATED SINK.
511 STAINLESS STEEL COUNTER WITH HOLES C/W GROMMETS.
522 LOW LEVEL EXHAUST. REFER TO MECHANICAL.
535 REUSE EXISTING SLAT-WALL STORAGE SYSTEM C/W REMOVABLE HANGING STORAGE CONTAINERS. ADJUST DIMENSIONS TO NEW LOCATION.
FAUCET MOUNTED EMERGENCY EYEWASH. REFER TO ELEVATIONS.

NEW WORK LEGEND

- AREA NOT INCLUDED IN SCOPE OF WORK
- EXISTING WALLS TO REMAIN
- NEW WALLS
- WELDED DEMARCATION LINE
- EXISTING EMERGENCY EXIT

EQUIPMENT SCHEDULE

TYPE MARK	ROOM NO.	ROOM NAME	ITEM DESCRIPTION	COUNT	PROCURE	INSTALL
EQ-01	2.0	NON-HD CLEAN ROOM	LMFH (FORMA 1828) ON CASTERS (NON-DUCTED)	2	CS	CI
EQ-02	4.0	HD CLEAN ROOM	CHEMO HOOD (NuAire)- DUCTED	1	CS	CI
EQ-05A	5.0	PREP AREA	PASS-THROUGH HATCH	1	CS	CI
EQ-05B	5.0	PREP AREA	PASS-THROUGH HATCH	1	CS	CI
EQ-09	5.0	PREP AREA	COMPUTER/COMPUTER MONITOR	3	OS	OI
EQ-10	5.0	PREP AREA	NEW LABEL PRINTER	2	OS	OI
EQ-06	6.0	HD STORAGE	SINGLE DOOR REFRIGERATOR (CONNECTED TO THE BMS)	1	OS	OI

FURNITURE & ACCESSORIES SCHEDULE

TYPE MARK	ROOM NO.	ROOM NAME	DESCRIPTION	COUNT	PROCURE	INSTALL
02	2.0	NON-HD CLEAN ROOM	GOWN HOOK (3)	1	CS	CI
09	2.0	NON-HD CLEAN ROOM	CLOCK	1	CS	CI
11	2.0	NON-HD CLEAN ROOM	HEIGHT-ADJUSTABLE STOOL	2	OS	OI
01	3.0	SHARED ANTE RM.	WASTE BIN	1	OS	OI
02	3.0	SHARED ANTE RM.	GOWN HOOK (3)	4	CS	CI
04	3.0	SHARED ANTE RM.	150mm DEEP SS SHELF	1	CS	CI
05	3.0	SHARED ANTE RM.	SOAP DISPENSER	1	OS	CI
06	3.0	SHARED ANTE RM.	HAND SANITIZER	1	OS	CI
07	3.0	SHARED ANTE RM.	LINT-FREE TOWEL DISPENSER	1	OS	CI
08	3.0	SHARED ANTE RM.	FULL-HEIGHT MIRROR C/W CLOCK ABOVE	1	CS	CI
12	3.0	SHARED ANTE RM.	HD CLEANING SUPPLIES LOCKER	1	CS	CI
13	3.0	SHARED ANTE RM.	NON-HD CLEANING SUPPLIES LOCKER	1	CS	CI
02	4.0	HD CLEAN ROOM	GOWN HOOK (3)	1	CS	CI
04	4.0	HD CLEAN ROOM	150mm DEEP SS SHELF	1	CS	CI
09	4.0	HD CLEAN ROOM	CLOCK	1	OS	CI
11	4.0	HD CLEAN ROOM	HEIGHT-ADJUSTABLE STOOL	1	OS	OI
01	5.0	PREP AREA	WASTE BIN	1	OS	OI
03	5.0	PREP AREA	SPLASHGUARD C/W SANITARY SEALANT	1	CS	CI
05	5.0	PREP AREA	SOAP DISPENSER	1	OS	CI
06	5.0	PREP AREA	HAND SANITIZER	1	OS	CI
07	5.0	PREP AREA	LINT-FREE TOWEL DISPENSER	1	OS	CI
10	5.0	PREP AREA	EXIST. SLAT-WALL BIN STORAGE SYSTEM	2	OS	CI
11	5.0	PREP AREA	HEIGHT-ADJUSTABLE STOOL	3	OS	OI
10	6.0	HD STORAGE	EXIST. SLAT-WALL BIN STORAGE SYSTEM	1	OS	CI



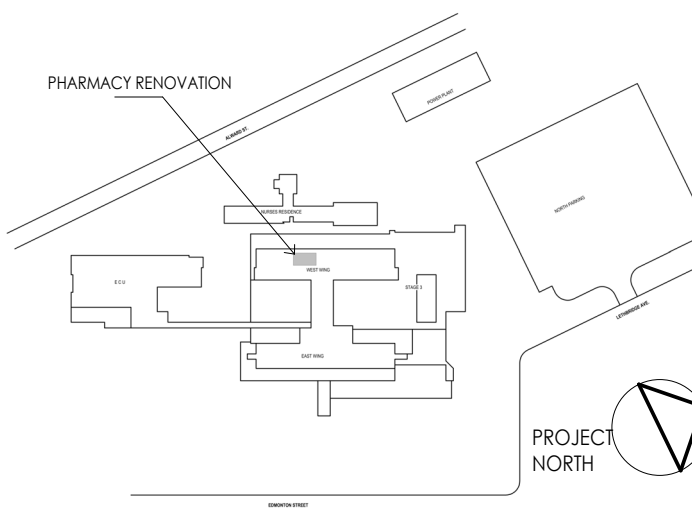
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1 FLOOR PLAN - PROPOSED
1 : 50

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Client/Project Logo



northern health
the northern way of caring

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 - ENLARGED EQUIPMENT & FURNITURE PLAN AND SCHEDULES

Project No.
144320228
Revision
A

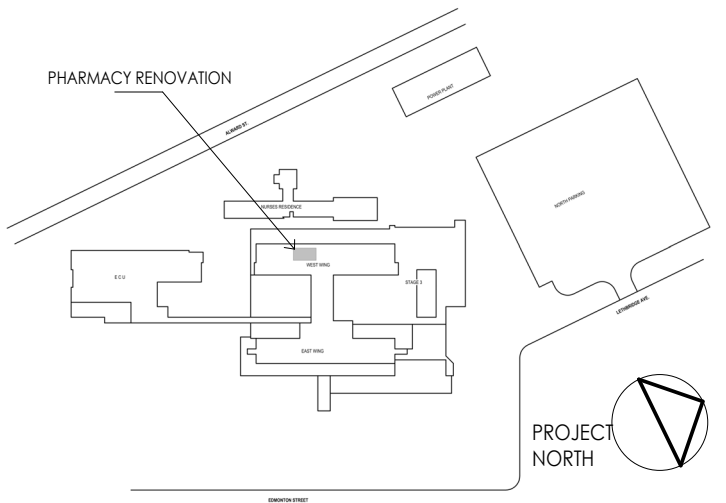
Scale
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Drawing No.
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Northern Health Authority

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NAPRA Pharmacy Renovation

1475 Edmonton St, Prince George, BC V2M 1S2

Title
LEVEL 0 - FINISHES PLANS & ROOM
FINISH SCHEDULE

Project No.
144320228

Scale
1 : 50

Revision
A



AE112

FINISHES LEGEND





FINISHES ABBREVIATIONS

ACT	ACOUSTIC CEILING TILES	HBE	HIGH BUILD EPOXY
CG	CORNER GUARD	EX	EXISTING
GB	GYPSUM WALL BOARD	WP	WALL PROTECTION
IC	INTEGRAL COVE	SV	SHEET VINYL
PT	PAINT	RSF	RESISTANT SHEET VINYL

FINISHES SYMBOL

	WELDED 10mm DEMARCATION LINE
	WALL PROTECTION - REFER TO ROOM FINISH AND MATERIAL SCHEDULE
	HIGH BUILD EPOXY WALL SYSTEM - REFER TO SPECS
	CORNER GUARD 90 DEGREE - FROM 150mm TO 1500mm AFF. REFER TO ROOM FINISH AND MATERIAL SCHEDULE

FLOOR FINISH LEGEND

	EXISTING BUILDING AREA - NOT IN CONTRACT
	EXISTING FLOORING TO REMAIN - PATCH & REPAIR AS REQUIRED
	RSF-1 TARKETT IQ Granit - Granit BLUE VERANDA 777 0777"
	RSF-2 TARKETT IQ Granit - Granit BLUE 0379"

PAINT FINISH LEGEND

PT-X PAINT TO MATCH EXISTING
PT-E EPOXY PAINT (SEE SPECS.)
PT-1 PAINT (SEE SPECS.)

1. REFER TO REFLECTED CEILING PLAN FOR CEILING FINISHES.
2. SKIM COAT EXISTING WALLS (OVER EXISTING WALL COVERING), MAKE FLUSH WITH NEW CONSTRUCTION. PATCH AND MAKE GOOD EXISTING WALLS TO MATCH ADJACENT NEW CONSTRUCTION. PREPARE FOR NEW FINISHES.
3. PAINT ALL NEW AND EXISTING WALLS AND BULKHEADS PT1 WITHIN AREA OF RENOVATION UNLESS OTHERWISE NOTED.

FINISHES KEYNOTES

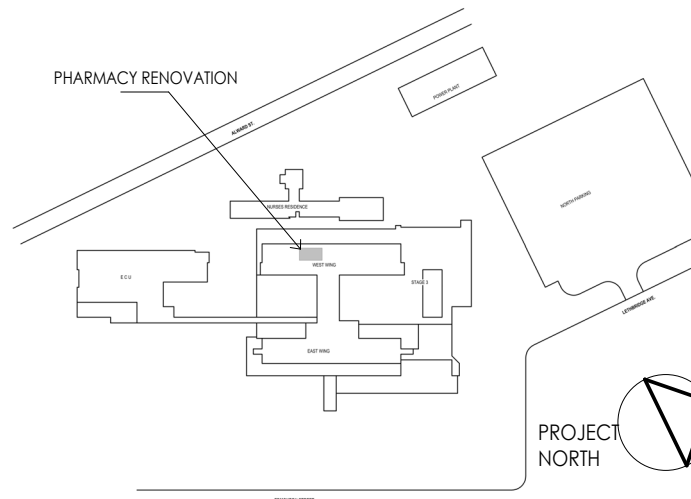
600 NEW 100mm WIDE WELDED DEMARCATION LINE - REFER TO
SPECIFICATIONS.
601 PATCH AND WELD EXISTING FLOOR AT NEW INFILL WALL.
PROVIDE BASE TO MATCH EXISTING.
602 WELD NEW FLOOR FINISH AT EXISTING FLOOR FINISH. PROVIDE
TRANSITION STRIP AS REQUIRED. REFER TO MANUFACTURER'S
RECOMMENDATIONS.
603 PROVIDE PRIVACY WINDOW PROTECTIVE FILM.

ROOM FINISH SCHEDULE

ROOM		FLOOR		WALLS								CEILINGS		REMARKS
No.	NAME	FIN	BASE	NORTH		EAST		SOUTH		WEST		MAT	FIN	
				MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN			
Level 0														
1.0	OFFICE	RSF-1	RSF-1	GB	PT-1	GB	PT-1	GB	PT-1	GB	PT-1	ACT-2	-	HEALTHCARE GRADE ACT
2.0	NON-HD CLEAN ROOM	RSF-2	RSF-2	GB	HBE	GB	HBE	GB	HBE	GB	HBE	GB	HBE	W/ GASKETED FIXTURES
3.0	SHARED ANTE RM.	RSF-1/RSF-2	RSF-1/RSF-2	GB	HBE	GB	HBE	GB	HBE	GB	HBE	GB	HBE	W/ GASKETED FIXTURES
4.0	HD CLEAN ROOM	RSF-2	RSF-2	GB	HBE	GB	HBE	GB	HBE	GB	HBE	GB	HBE	W/ GASKETED FIXTURES
5.0	PREP AREA	RSF-1	RSF-1	GB	PT-E	GB	PT-E	GB	WP-1/ PT-E	GB	PT-E	ACT-1	-	GASKETED CLEAN ROOM CEILINGS & FIXTURES
6.0	HD STORAGE	RSF-1	RSF-1	GB	PT-E	GB	PT-E	GB	PT-E	GB	PT-E	ACT-1	-	GASKETED CLEAN ROOM CEILINGS & FIXTURES
0013a	EXISTING CORRIDOR	EXIST+PATCH	MATCH EXIST	GB	WP-2/ PT-1	GB	PT-1	GB	PT-1	GB	PT-1	ACT-X	-	REPLACE ANY DAMAGED TILES & GRIDS

L0 - FLOOR FINISH PLAN - PROPOSED

1 **L0**
AE112 1:50



ELEVATION KEYNOTES

- 502 FOLDED COMBINED EMERGENCY EYEWASH & SHOWER. REFER TO MECHANICAL.
- 505 PROVIDE BACKING FOR FUTURE OSOI WALL STORAGE-REFER TO ELEVATIONS.
- 506 STAINLESS STEEL UNDER CABINETS. REFER TO ELEVATIONS.
- 511 LOW LEVEL EXHAUST. REFER TO MECHANICAL.
- 512 BIO-SAFETY DUCT CONENCTION - REFER TO MECHANICAL.
- 518 FRIDGE TO BE CONNECTED TO THE BMS.
- 522 REUSE EXISTING SLAT-WALL STORAGE SYSTEM C/W REMOVABLE HANGING STORAGE CONTAINERS. ADJUST DIMENSIONS TO NEW LOCATION.

FURNITURE & ACCESSORIES LEGEND			
TYPE MARK	DESCRIPTION	PROCURE	INSTALL
01	WASTE BIN	OS	OI
02	GOWN HOOK (3)	CS	CI
03	SPLASHGUARD C/W SANITARY SEALANT	CS	CI
04	150mm DEEP SS SHELF		CI
05	SOAP DISPENSER	OS	CI
06	HAND SANITIZER	OS	CI
07	LINT-FREE TOWEL DISPENSER	OS	CI
08	FULL-HEIGHT MIRROR C/W CLOCK ABOVE	CS	CI
09	CLOCK		CI
10	EXIST. SLAT-WALL BIN STORAGE SYSTEM	OS	CI
11	HEIGHT-ADJUSTABLE STOOL	OS	OI
12	HD CLEANING SUPPLIES LOCKER	CS	CI
13	NON-HD CLEANING SUPPLIES LOCKER	CS	CI

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Client/Project Logo



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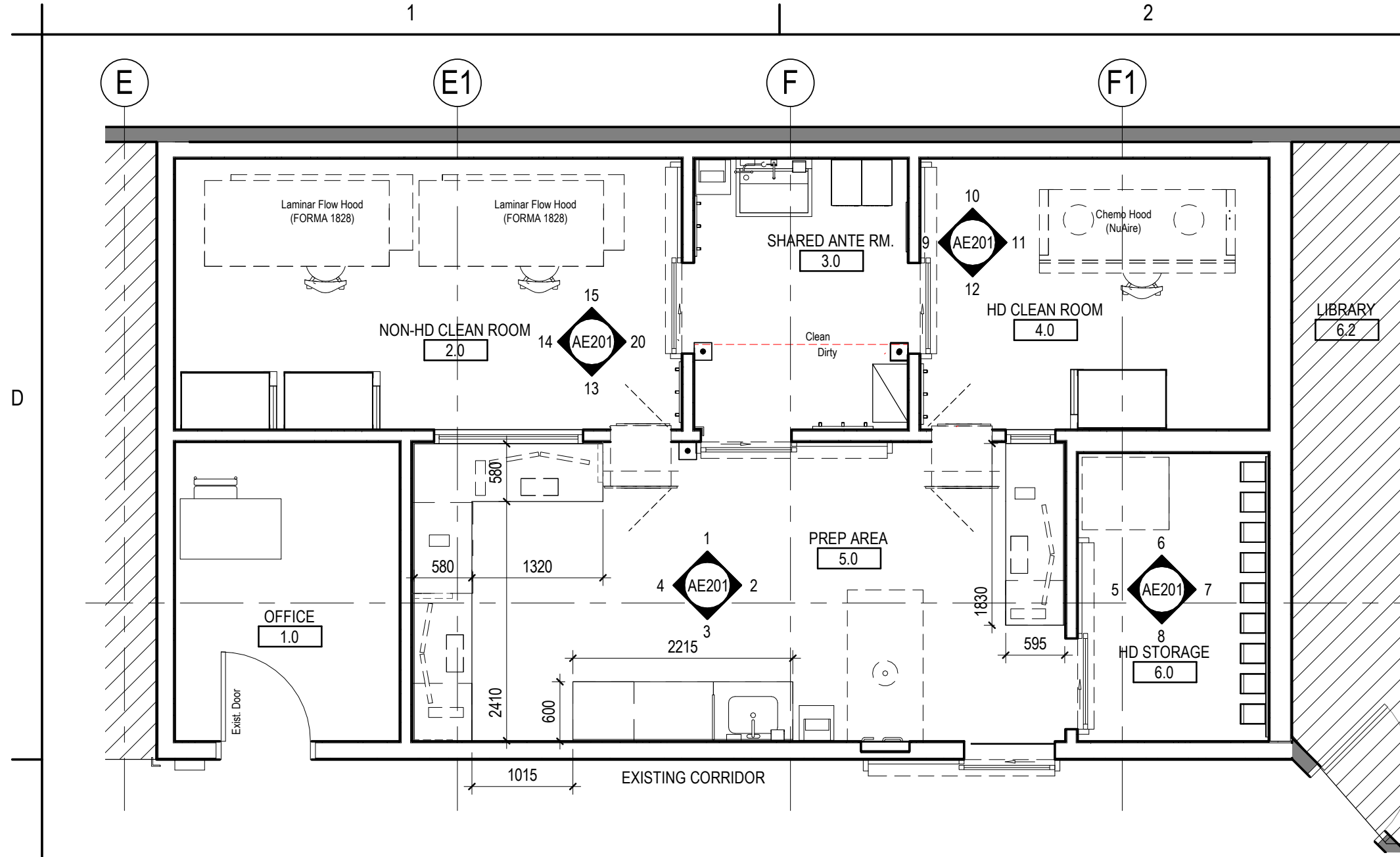
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Northern Health Authority

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NAPRA Pharmacy Renovation
1475 Edmonton St, Prince George, BC V2M 1S2

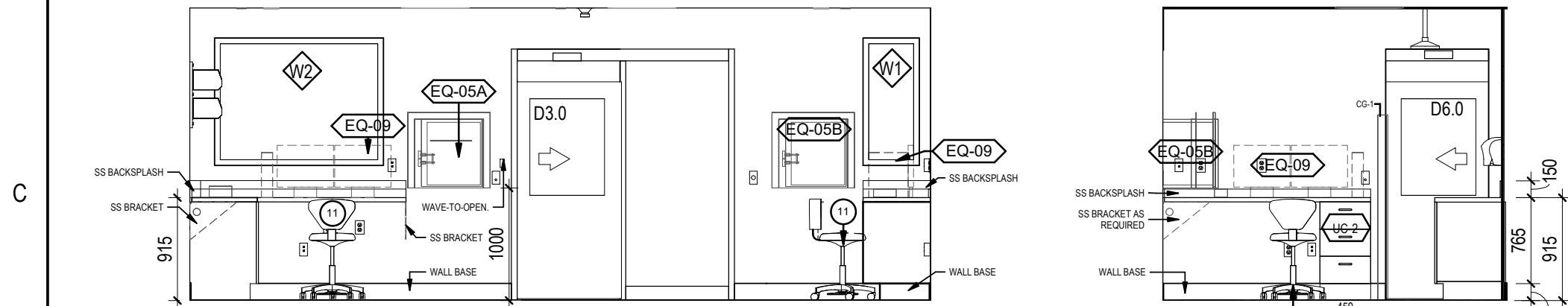
Title
INTERIOR ELEVATIONS

Project No.
144320228
Revision
A

Scale
As indicated
Drawing No.
AE201



FLOOR PLAN - REFERENCE PLAN

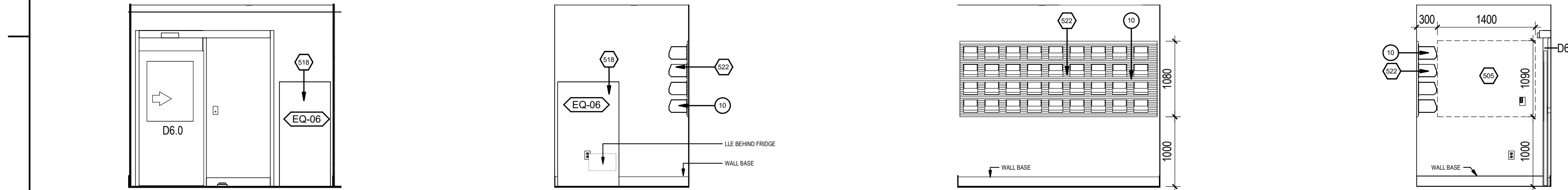


1 PREP AREA - ELEV A
AE201 1:50

2 PREP AREA - ELEV B
AE201 1:50

3 PREP AREA - ELEV C
AE201 1:50

4 PREP AREA - ELEV D
AE201 1:50

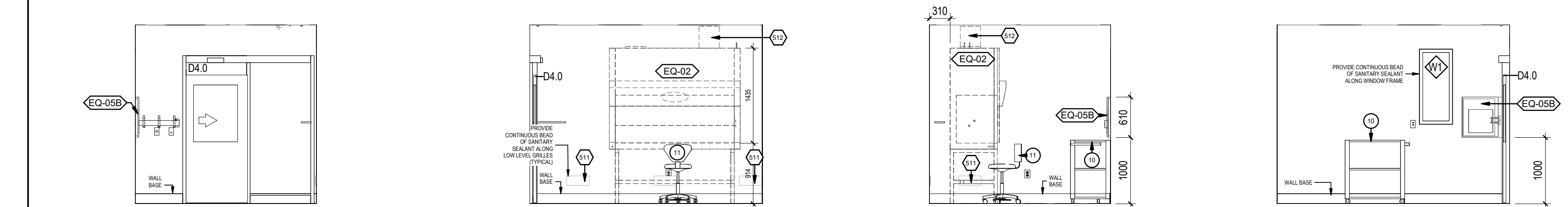


5 HD STORAGE - ELEV A
AE201 1:50

6 HD STORAGE - ELEV B
AE201 1:50

7 HD STORAGE - ELEV C
AE201 1:50

8 HD STORAGE - ELEV D
AE201 1:50

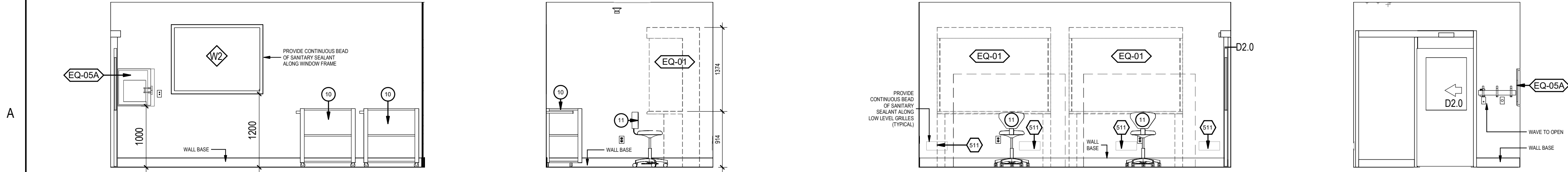


9 HD CLEAN RM - ELEV A
AE201 1:50

10 HD CLEAN RM - ELEV B
AE201 1:50

11 HD CLEAN RM - ELEV C
AE201 1:50

12 HD CLEAN RM - ELEV D
AE201 1:50



13 NON-HD CLEAN RM ELEV A
AE201 1:50

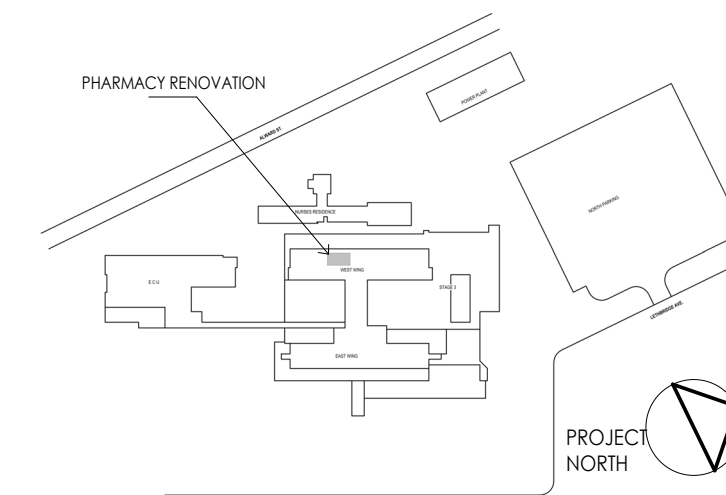
14 NON-HD CLEAN RM ELEV B
AE201 1:50

15 NON-HD CLEAN RM ELEV C
AE201 1:50

20 NON-HD CLEAN RM ELEV D
AE201 1:50

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			YYYY.MM.

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1475 Edmonton St, Prince George, BC V2M 1S2

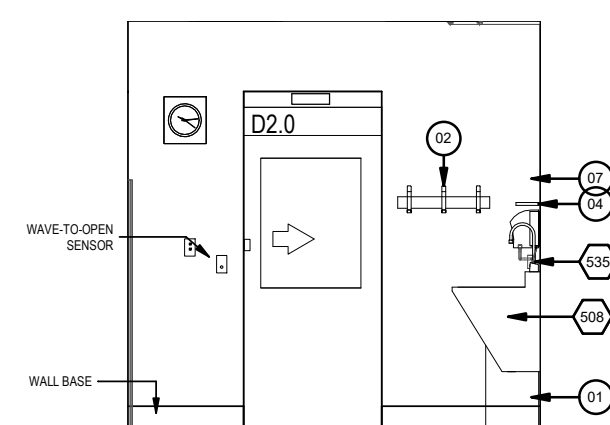
Title
INTERIOR ELEVATIONS

Project No. 144320228	Scale 1 : 50
Revision A	Drawing No. AE202

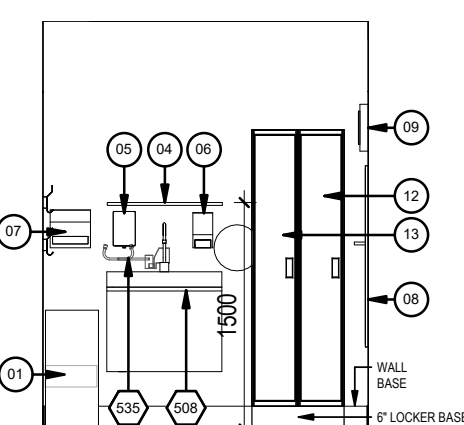


The diagram illustrates typical mounting heights for various components relative to a center line (CL). The dimensions are as follows:

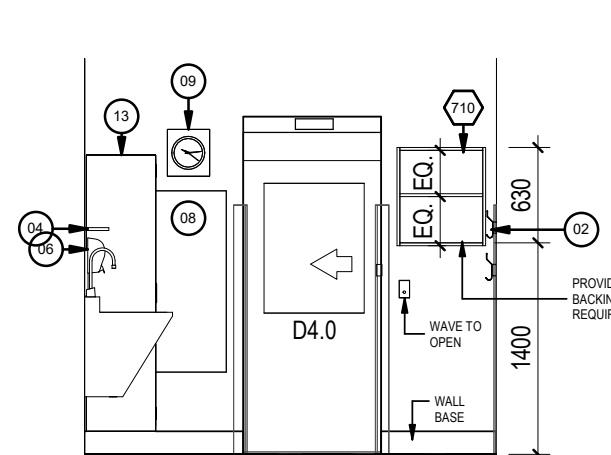
- Component 1:** A small rectangular component mounted 1500 units below the CL.
- Component 2:** A component with a circular feature (C1) and a rectangular feature (R1) mounted 1500 units below the CL. The rectangular feature is 900 units wide.
- Component 3:** A small rectangular component mounted 1200 units below the CL.
- Component 4:** A small rectangular component mounted 1200 units below the CL.
- Component 5:** A small rectangular component mounted 1200 units below the CL.
- Component 6:** A large rectangular component mounted 2200 units below the CL. It has a total height of 1200 units and a bottom section that is 500 units high. It features a circular feature (C2) and a rectangular feature (R2).



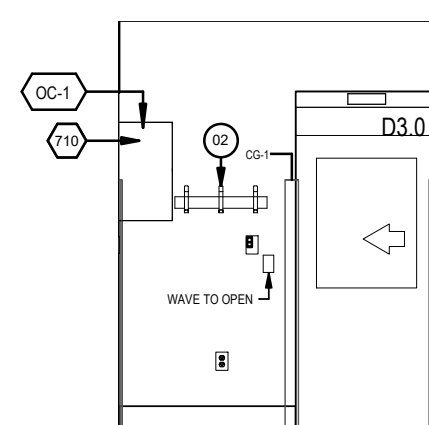
2 SHARED ANTE RM ELEV A
AE202 1:50



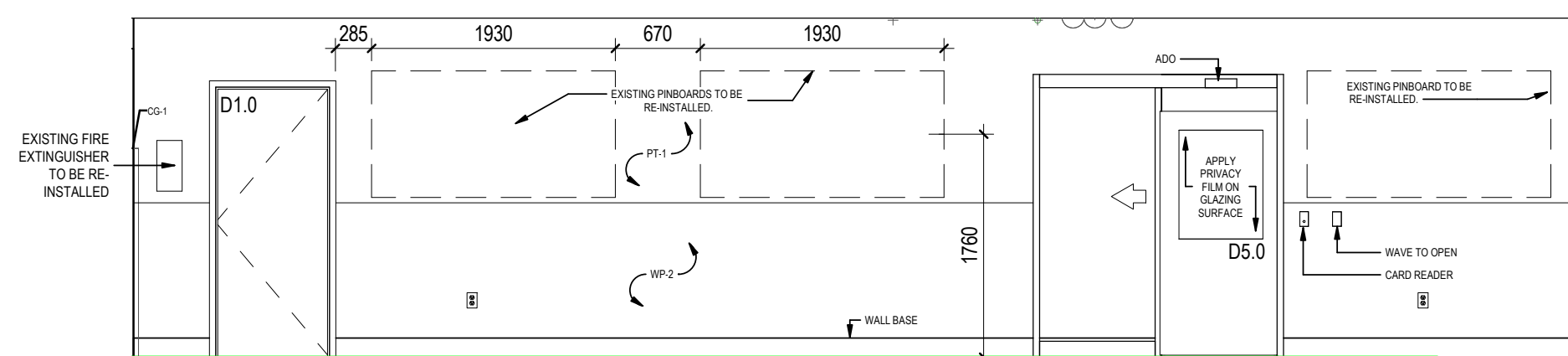
3 SHARED ANTE RM ELEV B
AE202 1:50



4 SHARED ANTE RM ELEV C
AE202 1:50



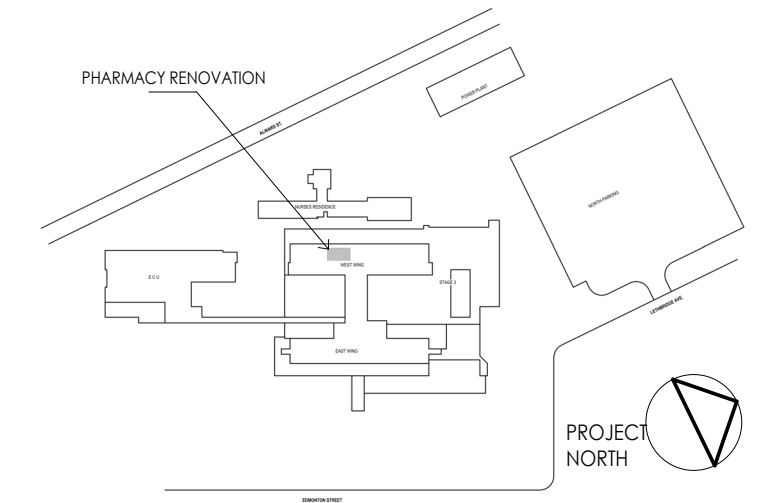
5 SHARED ANTE RM ELEV D
AE202 1 : 50



6 **EXISTING CORRIDOR ELEV A**
AE202 1 : 50

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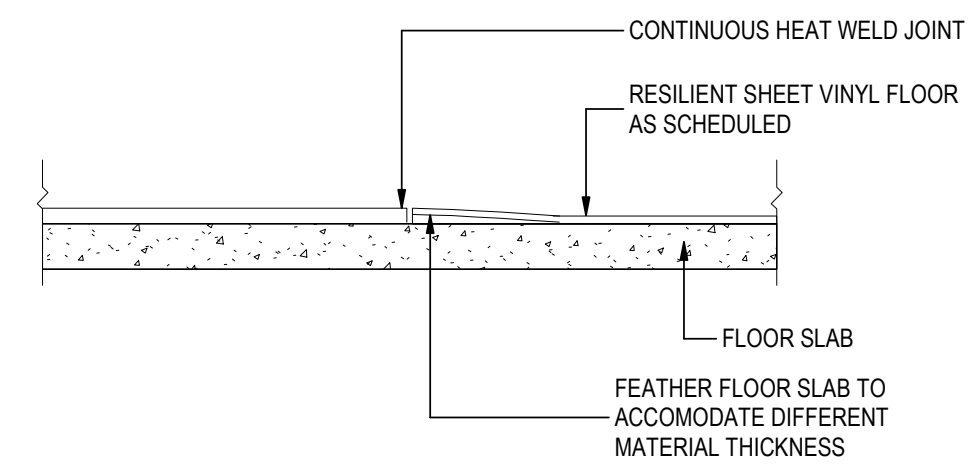
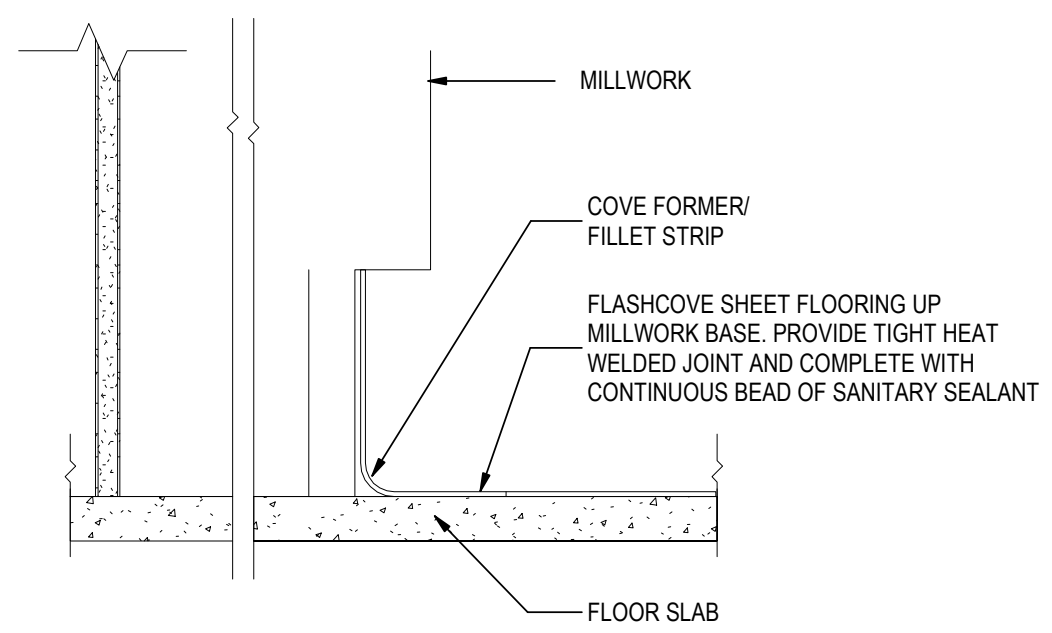
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Project No.
144320228
Revision
A

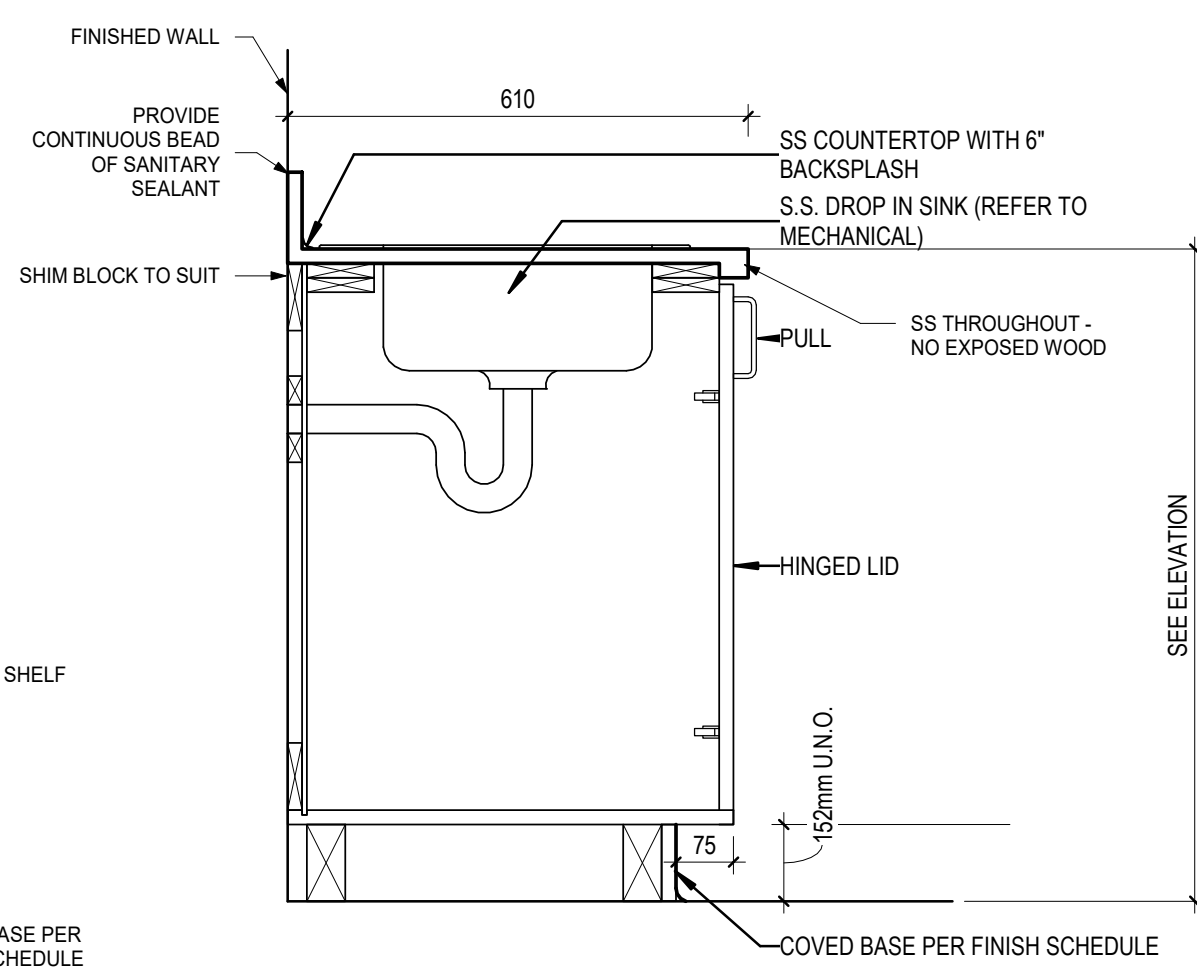
Scale
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Drawing No.

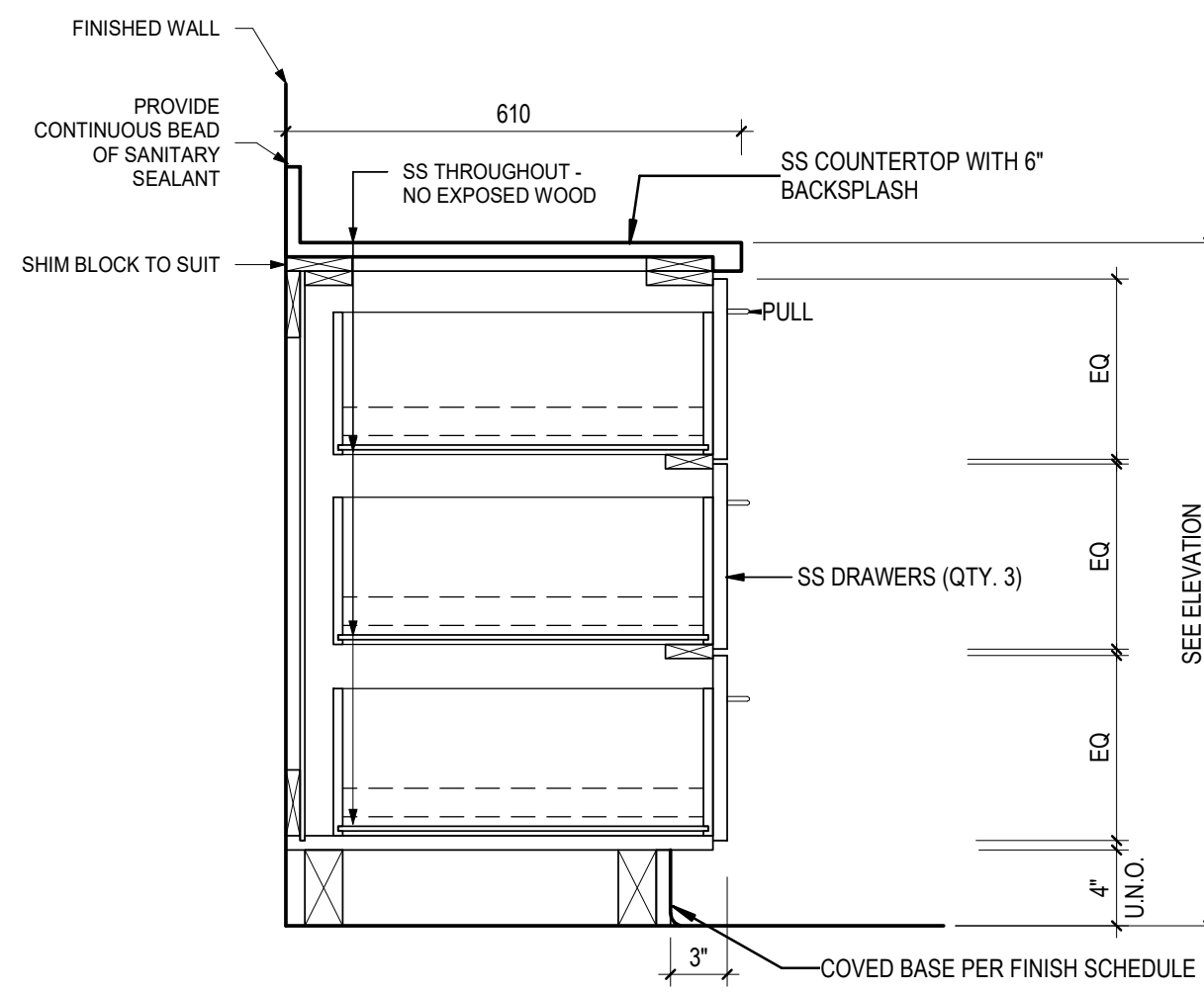
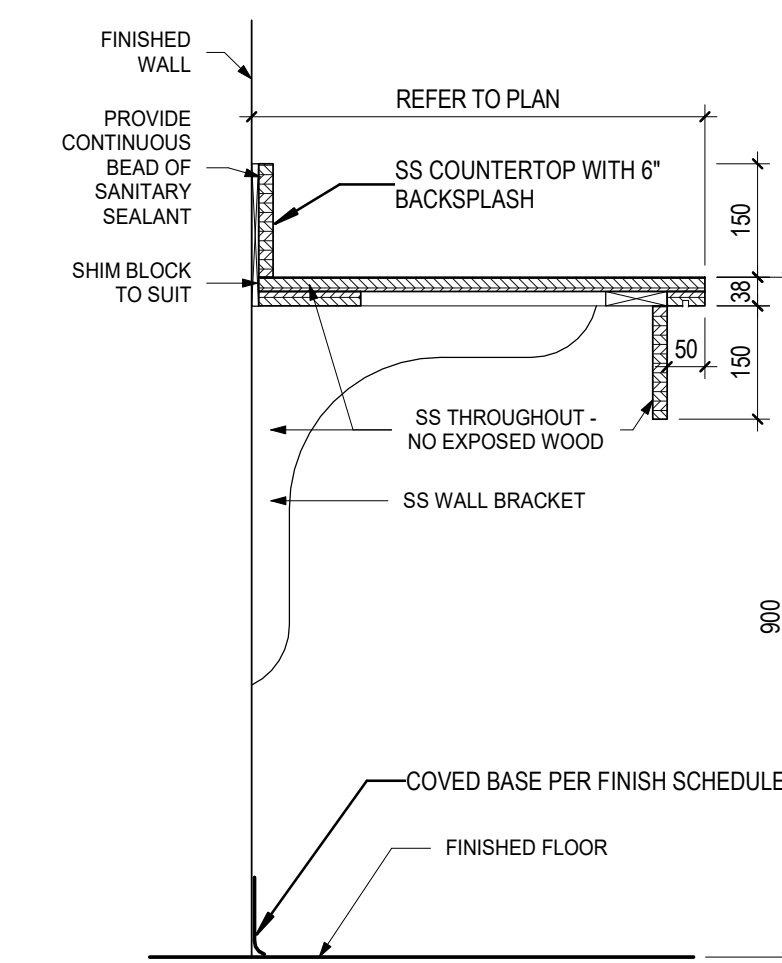
AE302



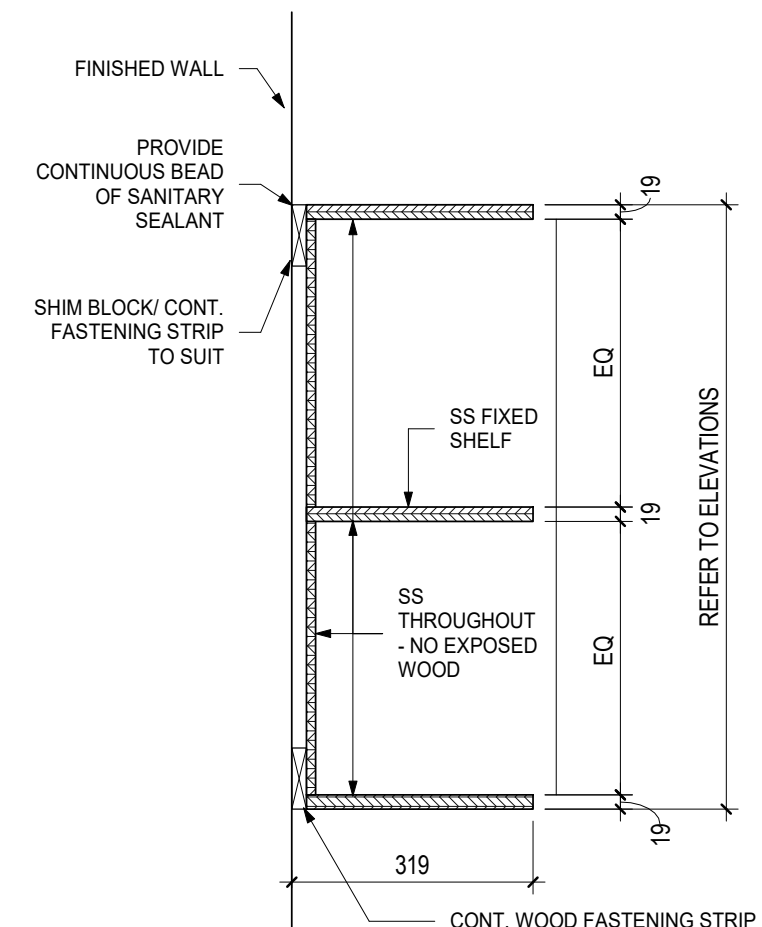
FLOOR TRANSITION DETAIL



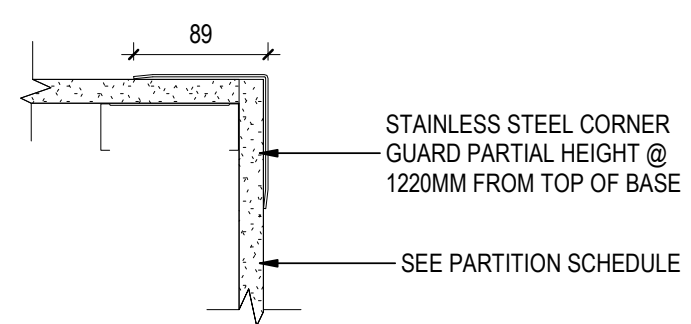
UC1 (w/ SINK)

UC2

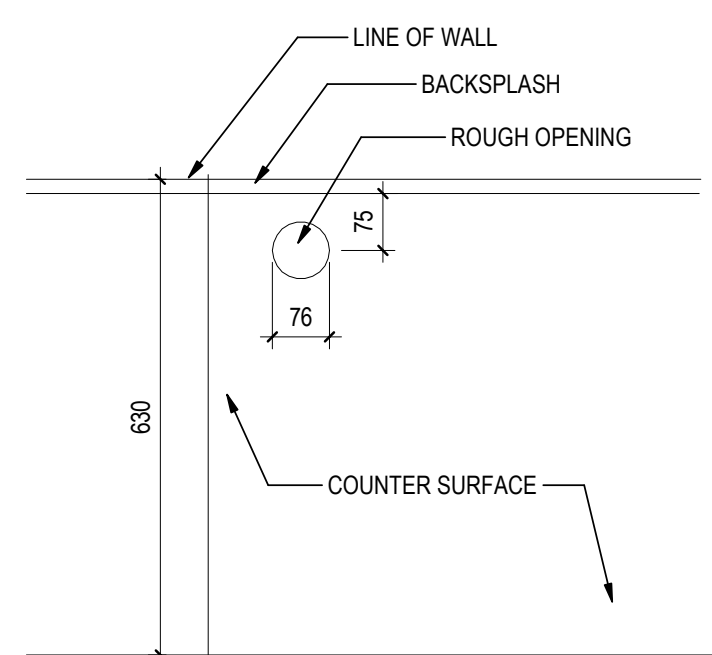
SS COUNTER WITH BRACKET



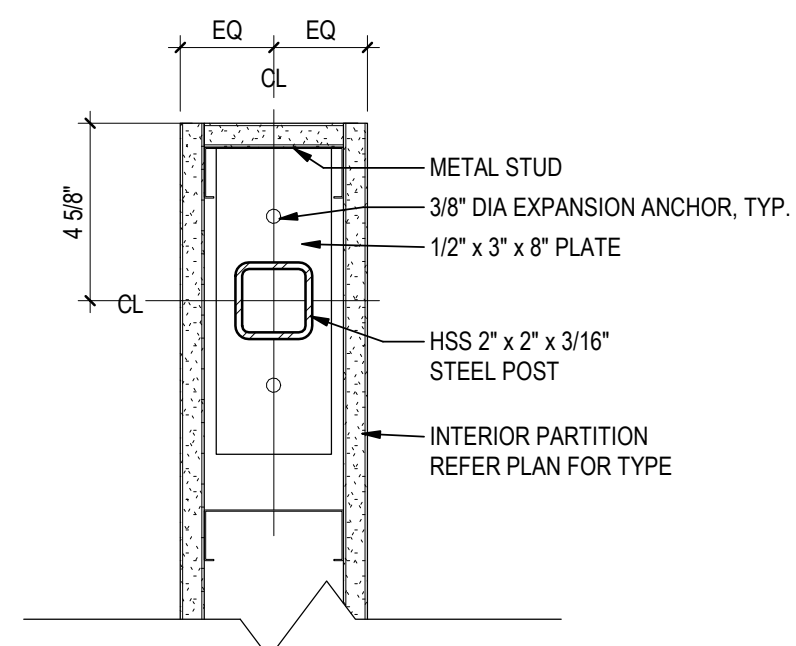
OC 1



CORNER GUARD DETAIL



DESK GROMMET DETAIL



SINK DETAIL - STEEL SUPPORT

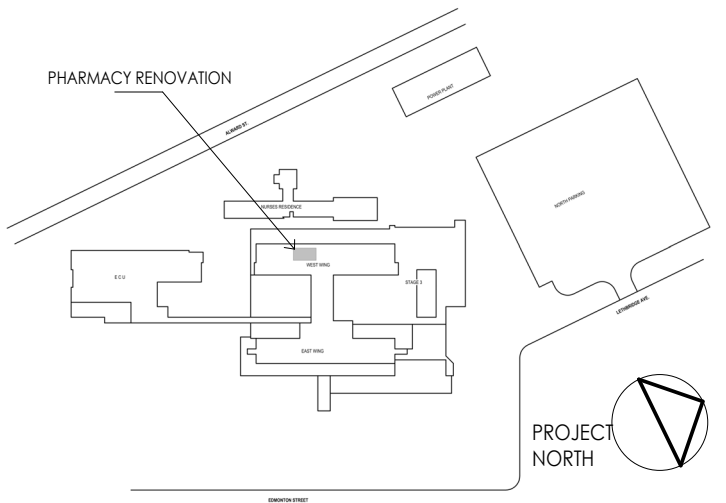
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NAPRA Pharmacy Renovation
1475 Edmonton St, Prince George, BC V2M 1S2

Title

3D REPRESENTATIONS & ISOMETRICS

Project No. 144320228	Scale 1 : 100
Revision A	Drawing No. AE901



PLUMBING

	PIPE SIZE
	PIPING ROUTED BELOW SLAB OR GRADE
	ACID VENT
	ACID WASTE ABOVE GRADE OR FLOOR
	BOILER BLOWDOWN
	COMPRESSED AIR (NOMINAL PRESSURE)
	CONDENSATE DISCHARGE PUMPED
	CONDENSATE DRAIN
	DIONIZED WATER
	DIONIZED WATER RECIRCULATING
	DISTILLED WATER
	DOMESTIC COLD WATER
	DOMESTIC COLD WATER SOFTENED
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRCULATION
	DRAIN
	GREASE WASTE
	HUMIDIFICATION
	LABORATORY VENT
	LABORATORY WASTE
	NATURAL GAS
	NATURAL GAS VENT
	NON-POTABLE COLD WATER
	NON-POTABLE COLD WATER SOFTENED
	NON-POTABLE HOT WATER
	NON-POTABLE HOT WATER SOFTENED
	PNEUMATIC TRANSPORT
	PROPANE GAS
	REVERSE OSMOSIS
	REVERSE OSMOSIS RECIRCULATING
	SAMPLING LINE
	SANITARY DRAIN
	SANITARY DRAIN (OIL)
	SANITARY PUMPED
	SANITARY RADIOACTIVE
	STORM DRAIN
	STORM OVERFLOW
	STORM PUMPED
	VACUUM (AIR)
	VACUUM PUMP EXHAUST
	VENT
	VENT (OIL)
	VENT (SEWAGE EJECTOR)
	PIPE INSULATION
	FIXTURE TRAP
	CATCH BASIN
	MANHOLE
	ROOF DRAIN
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	TRAP PRIMER
	HOSE BIBB
	PLUMBING FIXTURES
	PLUMBING FIXTURE TAG (REFER TO SCHEDULE)

PIPING COMPONENTS

REAL OBJECT	SYMBOL	
		ISOLATION VALVE (GENERIC)
		GATE VALVE
		GLOBE VALVE
		BUTTERFLY VALVE NPS 6 AND LESS
		BUTTERFLY VALVE NPS 8 AND MORE
		BALL VALVE
		PLUG VALVE
		NEEDLE VALVE
		CHECK VALVE (GENERIC)
		BALANCING VALVE
		FLOW LIMITING VALVE
		PRESSURE REDUCING VALVE
		2-WAY CONTROL VALVE (GENERIC)
		TWO-WAY ELECTRIC CONTROL VALVE, BUTTERFLY TYPE
		3-WAY CONTROL VALVE (GENERIC)
		THREE-WAY ELECTRIC CONTROL VALVE, BUTTERFLY TYPE
		SOLENOID 2-WAY CONTROL VALVE
		SOLENOID 3-WAY CONTROL VALVE
		FLOAT OPERATED VALVE ACTUATOR
		SAFETY OR RELIEF VALVE
		ANGLE VALVE
		BOILER STOP AND CHECK VALVE
		BACKFLOW PREVENTER (GENERIC)
		MULTI-PURPOSE VALVE (SHUTOFF, BALANCING AND CHECK)
		SUCTION DIFFUSER
		PUMP (GENERIC)
		Y STRAINER (GENERIC)
		STEAM TRAP (GENERIC)
		AUTOMATIC AIR VENT
		MANUAL AIR VENT
		VACUUM BREAKER
		SHOCK ABSORBER
		TEMPERATURE GAUGE
		PRESSURE GAUGE
		TEMPERATURE AND PRESSURE TAP
		SIGHT FLOW GLASS
		FLEXIBLE CONNECTOR
		EXPANSION JOINT
		GUIDE
		ANCHOR
		FLOW ARROW
		PIPING SLOPE
		PIPE CAP
		PIPE BREAK
		PIPE CROSS
		PIPING ELBOW UP
		PIPING ELBOW DOWN
		PIPING TEE UP
		PIPING TEE DOWN
		UNION CONNECTION
		FLANGED CONNECTION
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		STANDARD CLEAN-OUT IN LINE END OF RUN
		STANDARD CLEAN-OUT THROUGH FLOOR END OF RUN
		STANDARD CLEAN-OUT THROUGH FLOOR IN LINE

PIPING SYSTEMS (HVAC)

	PIPE SIZE
	BOILER BLOWDOWN
	BOILER FEED WATER
	BRINE RETURN
	BRINE SUPPLY
	CHILLED WATER RETURN
	CHILLED WATER RETURN - GLYCOL
	CHILLED WATER RETURN - PROCESS
	CHILLED WATER SUPPLY
	CHILLED WATER SUPPLY - GLYCOL
	CHILLED WATER SUPPLY - PROCESS
	CONDENSER WATER RETURN
	CONDENSER WATER RETURN (COOLING TOWER)
	CONDENSER WATER SUPPLY
	CONDENSER WATER SUPPLY (COOLING TOWER)
	DUAL TEMPERATURE RETURN (HOT OR CHILLED)
	DUAL TEMPERATURE SUPPLY (HOT OR CHILLED)
	FUEL OIL FILL
	FUEL OIL RETURN
	FUEL OIL SUPPLY
	FUEL OIL VENT
	HEAT PUMP WATER RETURN
	HEAT PUMP WATER SUPPLY
	HEAT RECOVERY LOOP RETURN
	HEAT RECOVERY LOOP SUPPLY
	HEATING WATER RETURN
	HEATING WATER RETURN - GLYCOL
	HEATING WATER SUPPLY
	HEATING WATER SUPPLY - GLYCOL
	NATURAL GAS
	NATURAL GAS VENT
	PROPANE GAS
	REFRIGERANT HOT GAS
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	REFRIGERANT VENT
	RELIEF VENT
	STEAM (NOMINAL PRESSURE)
	STEAM - CLEAN (NOMINAL PRESSURE)
	STEAM CONDENSATE (NOMINAL PRESSURE)
	STEAM PUMPED CONDENSATE (NOMINAL PRESSURE)
	STEAM VENT
	PIPE INSULATION

VENTILATION (HVAC)

	AIR FLOW ARROW
	RECTANGULAR DUCT AND SIZE*
	ROUND DUCT AND SIZE*
	FLAT OVAL DUCT AND SIZE*
	EXTERIOR DUCT TREATMENT*
	RECTANGULAR DUCT WITH ACOUSTIC LINING*
	DUCT SECTION, SUPPLY AIR. SIZE* IS HORIZONTAL DIM. x VERTICAL DIM. APPLIES TO RECT., ROUND AND OVAL
	DUCT SECTION, OUTSIDE AIR. APPLIES TO RECT., ROUND AND OVAL
	DUCT SECTION, RETURN AIR. APPLIES TO RECT., ROUND AND OVAL
	DUCT SECTION, EXHAUST AIR. APPLIES TO RECT., ROUND AND OVAL
	FLEXIBLE DUCT
	ELBOW TURN, SUPPLY DOWN. APPLIES TO RECT., ROUND AND OVAL
	ELBOW TURN, OUTSIDE AIR DOWN. APPLIES TO RECT., ROUND AND OVAL
	ELBOW TURN, RETURN DOWN. APPLIES TO RECT., ROUND AND OVAL
	ELBOW TURN, EXHAUST DOWN. APPLIES TO RECT., ROUND AND OVAL
	CHANGE IN DUCT ELEVATION RISING IN DIRECTION INDICATED
	CHANGE IN DUCT ELEVATION DROPPING IN DIRECTION INDICATED
	END CAP
	ELBOW, RECTANGULAR, SMOOTH RADIUS WITH SPLITTER VANES (0.25 R/W DEFAULT)
	ELBOW, RECTANGULAR, SMOOTH RADIUS WITHOUT VANES (1.5 R/W DEFAULT)
	ELBOW, ROUND, SMOOTH RADIUS (1.5 R/W DEFAULT)
	MITERED ELBOW, RECTANGULAR, WITH TURNING VANES
	RECTANGULAR TO ROUND TRANSITION
	DUCT ACCESS DOOR (TOP, SIDE, BOTTOM)
	FLEXIBLE CONNECTION
* NOTE: ALL DUCT SIZES ARE INTERIOR, FREE DIMENSIONS (ALWAYS WIDTH X HEIGHT IN FLOOR PLAN AND SECTION)	

VENTILATION (HVAC)

	BACKDRAFT DAMPER
	MANUAL DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	SMOKE AND FIRE DAMPER
	DUCT SILENCER
	CONTROL DEVICE (REFER TO CONTROLS LEGEND)
	AIR FLOW MEASURING STATION (REFER TO CONTROLS LEGEND)
	AIR OUTLET OR INLET TAG (REFER TO SCHEDULE)
	RECTANGULAR DIFFUSER, SUPPLY. OPTIONAL ARROWS SHOW THE FLOW DIRECTION.
	RECTANGULAR REGISTER OR GRILLE, RETURN
	RECTANGULAR REGISTER OR GRILLE, EXHAUST
	ROUND DIFFUSER, SUPPLY
	LINEAR DIFFUSER
	SIDEWALL REGISTER OR GRILLE, SUPPLY
	SIDEWALL GRILLE, RETURN OR EXHAUST
	UNDERCUT DOOR
	DOOR GRILLE OR LOUVER
	TRANSFER GRILLE OR LOUVER
	COIL (REFER TO CONTROLS LEGEND)
	EQUIPMENT TAG
	RADIATION HEATING TAG (REFER TO SCHEDULE)



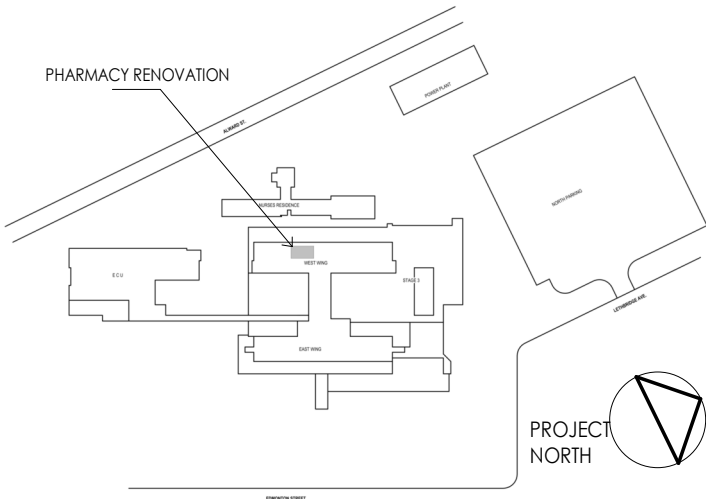
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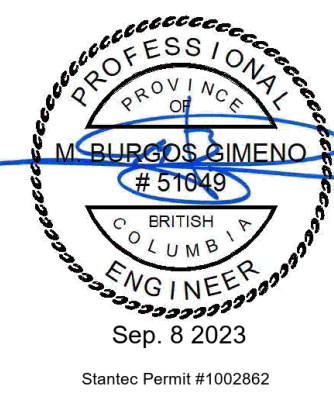
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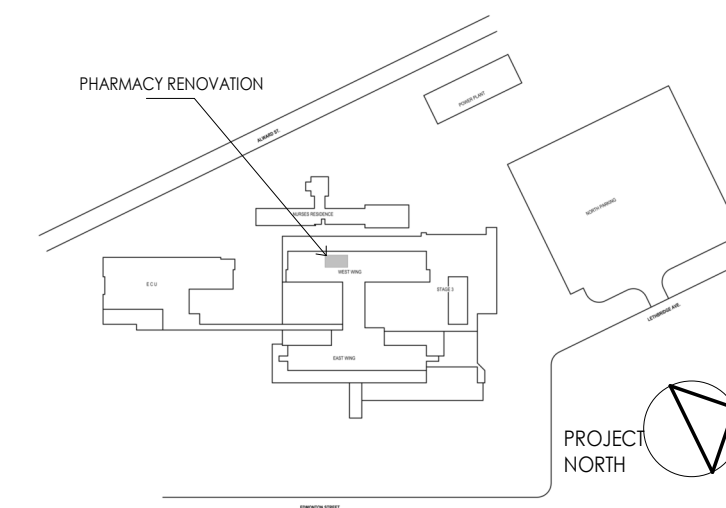
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Title
SYMBOLS AND ABBREVIATIONS

Project No. 144320228	Scale
Revision A	Drawing No. M001

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			YYYY.MM.JJ

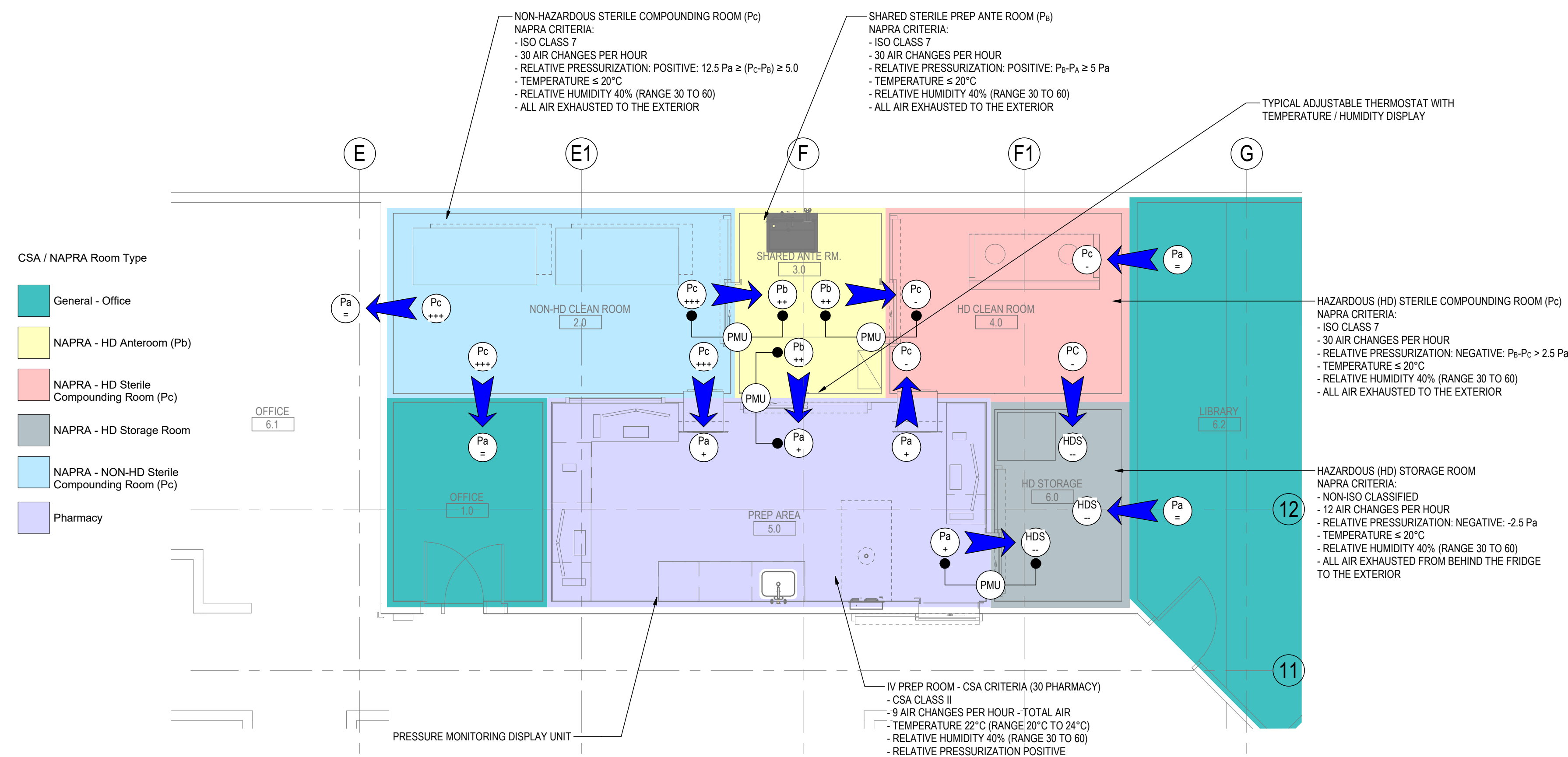
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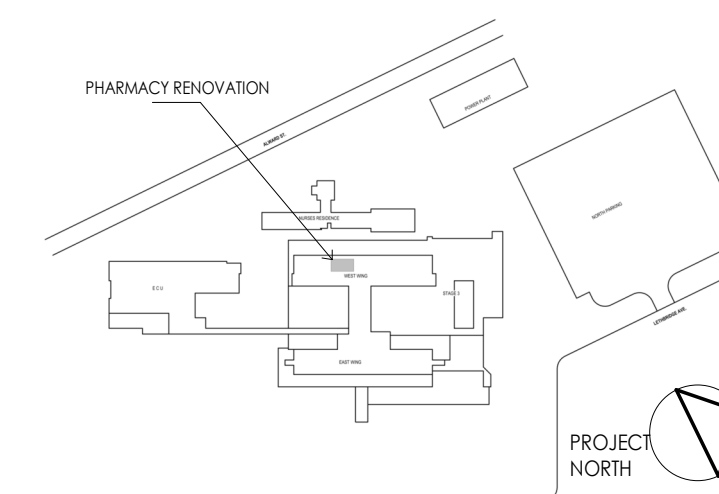
Project No. 144320228	Scale 1 : 50
Revision A	Drawing No. M100




1 **LEVEL 0 ENVIRONMENTAL CONTROLS**
M100 1 : 50

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Title
LEVEL 0 - HVAC - DEMO

Project No.
144320228

Scale
1 : 50

Revision
A

Drawing No.
M101

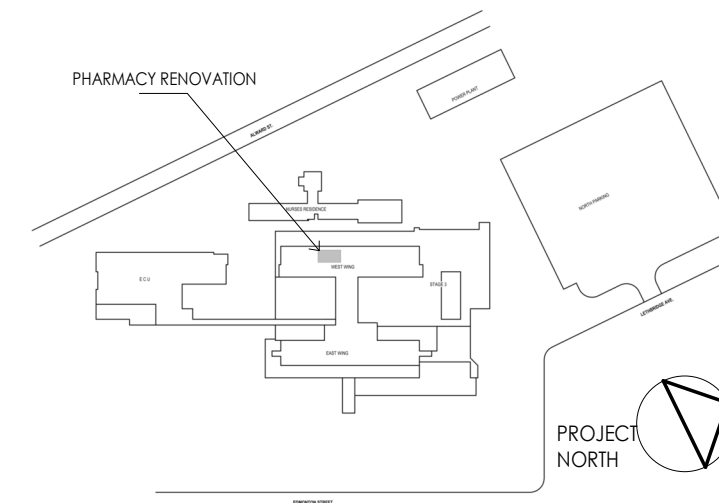
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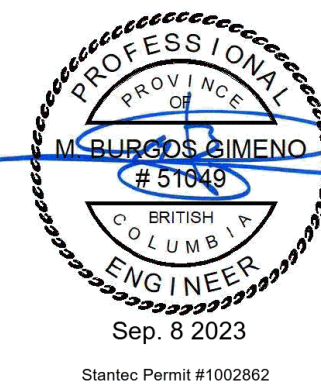
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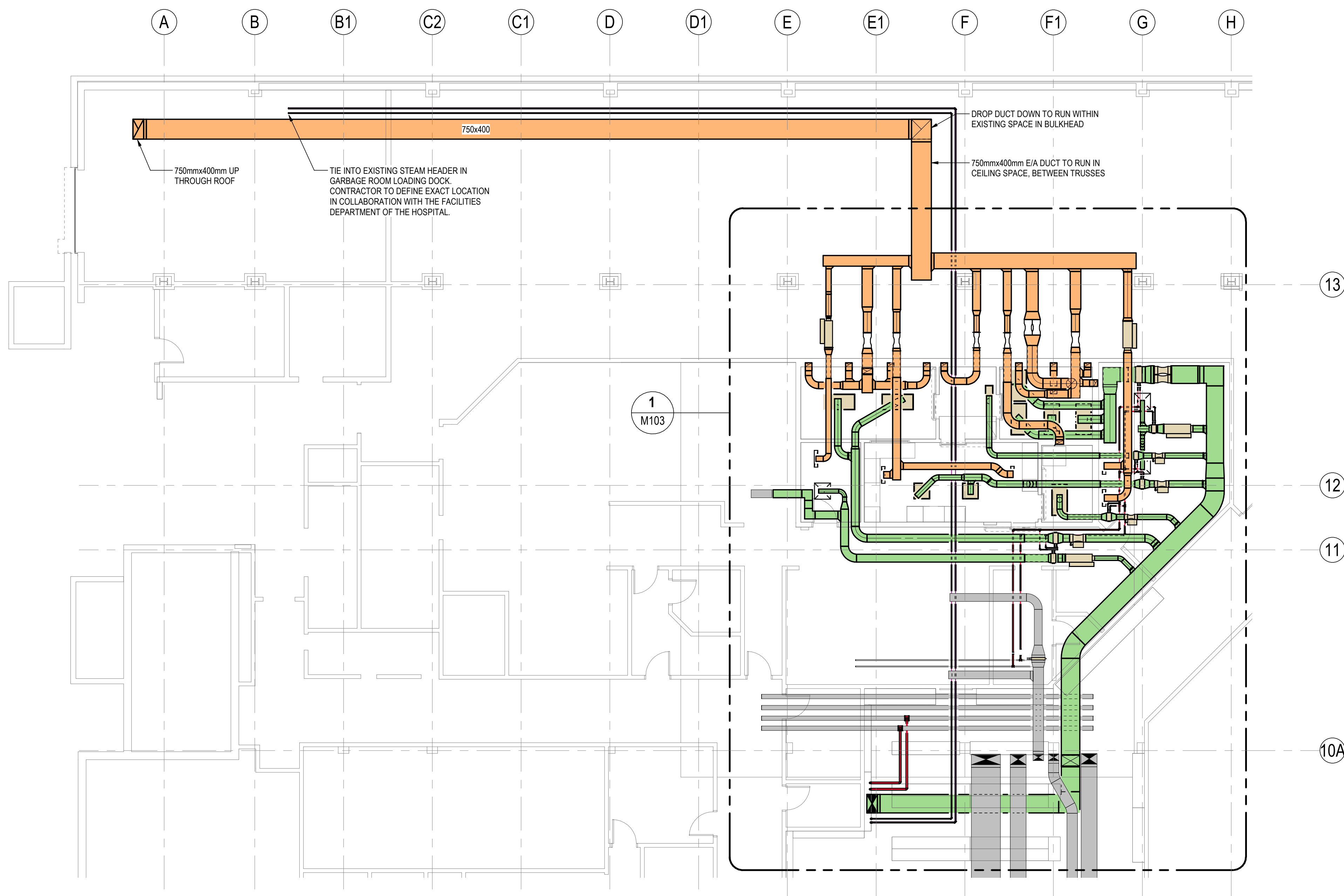
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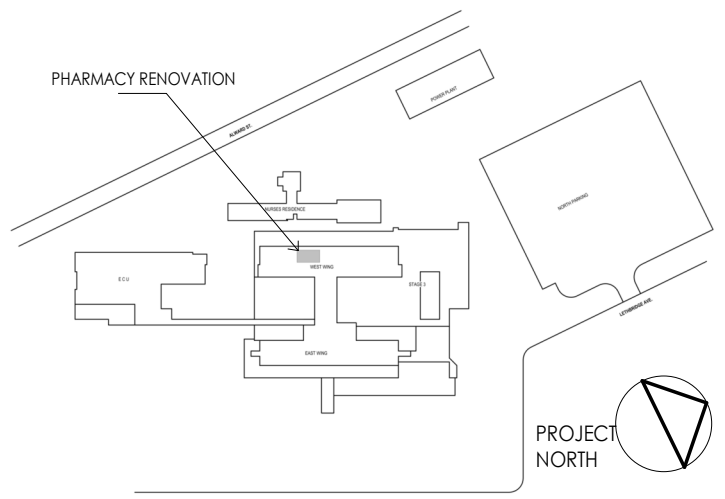
Title
LEVEL 0 - HVAC - OVERVIEW

Project No. 144320228	Scale 1 : 100
Revision A	Drawing No. M102

M102



1 **LEVEL 0 HVAC OVERVIEW PLAN**
M102 1 : 100



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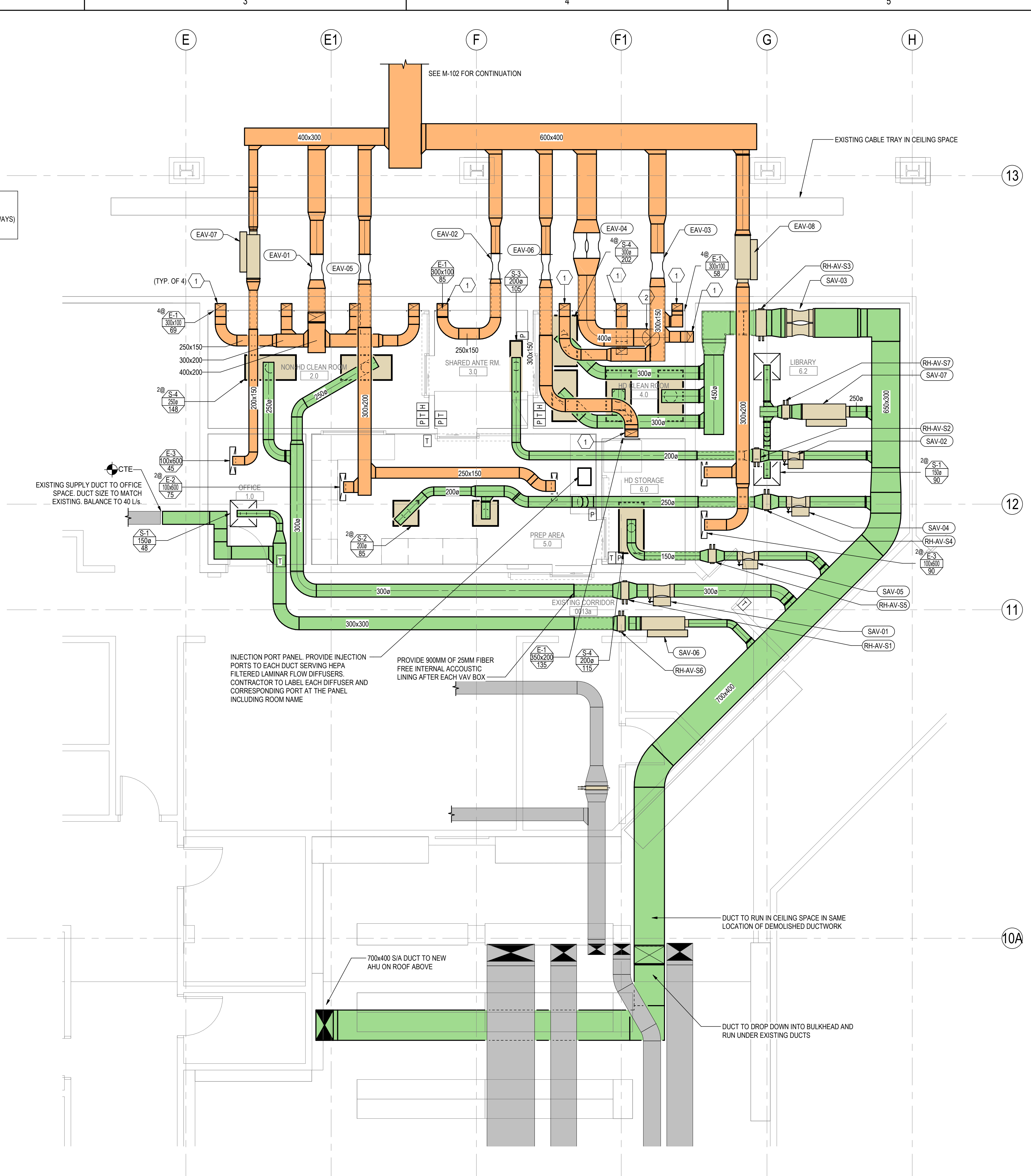
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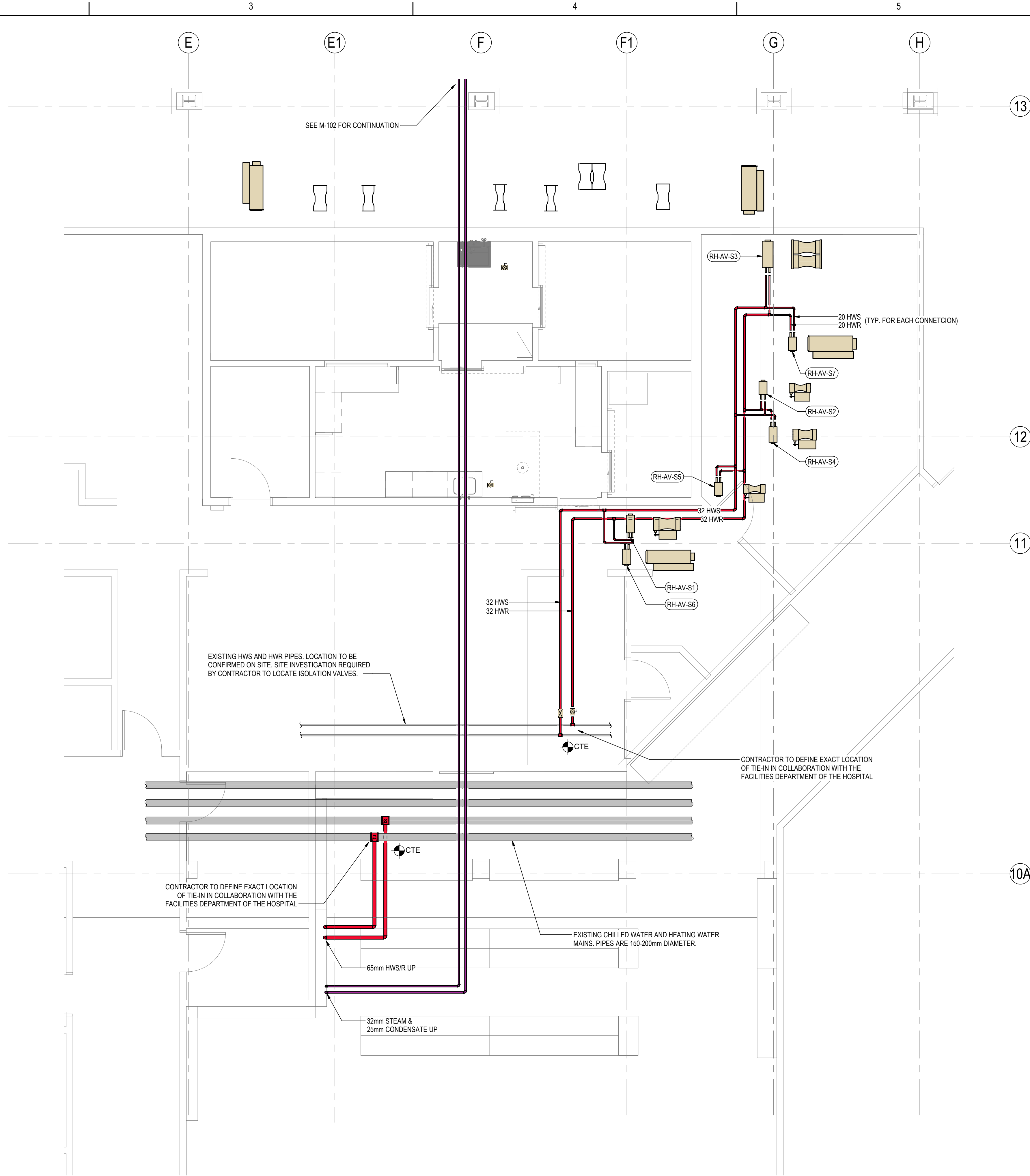
Title
LEVEL 0 - HVAC - NEW

Project No. 144320228	Scale 1 : 50
Revision A	Drawing No. M103



1
M103
LEVEL 0 HVAC PLAN
1 : 50

Key Value	Keynote Text
1	EXHAUST AIR DUCT TO DROP DOWN IN WALL AND SERVE EXHAUST GRILLE AT LOW LEVEL
2	EXHAUST CONNECTED TO TOP OF BIOSAFETY CABINET (CLASS II, TYPE B2).



1
M104
LEVEL 0 HYDRONIC PLAN
1 : 50

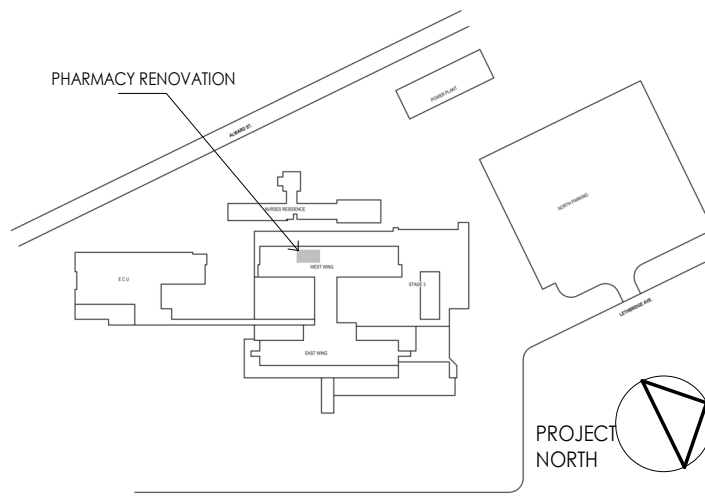


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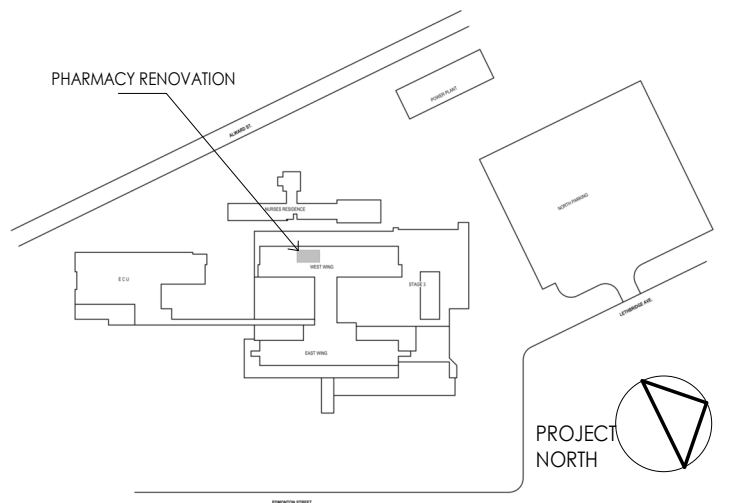
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Title
LEVEL 0 - HYDRONIC - NEW

Project No. 144320228	Scale 1 : 50
Revision A	Drawing No. M104

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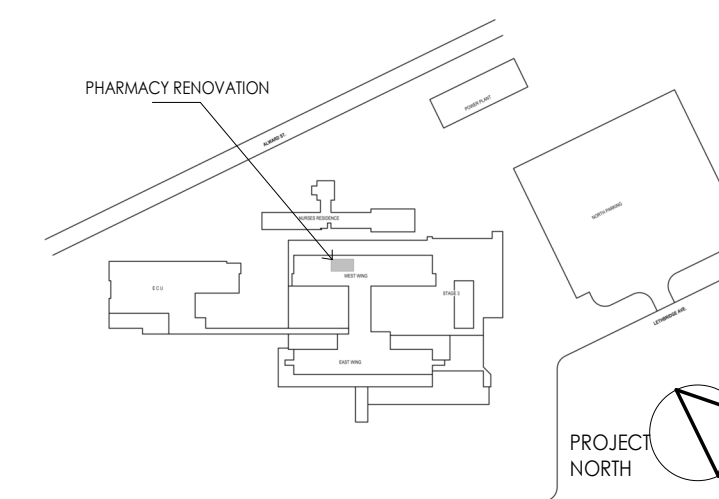
Project No. 144320228	Scale 1 : 100
Revision A	Drawing No. M105



1 M105 **LEVEL 1 & LOWER ROOF PLAN** 1 : 100

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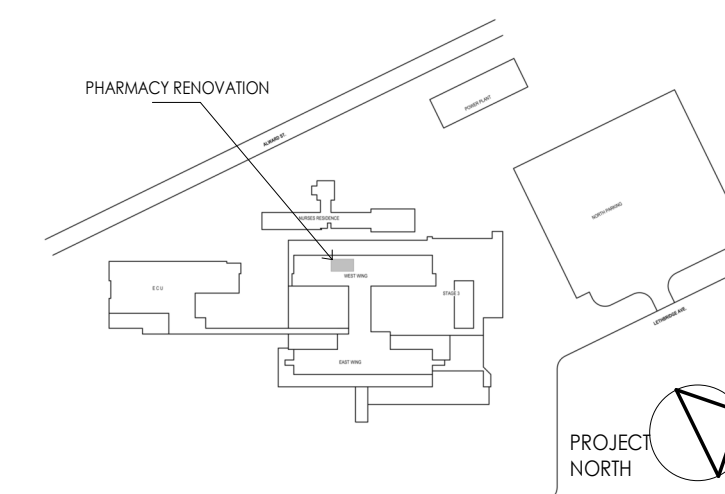
Title
LEVEL 2, LEVEL 3, & UPPER ROOF -
HVAC - NEW

Project No. 144320228	Scale 1 : 100
Revision A	Drawing No. M106



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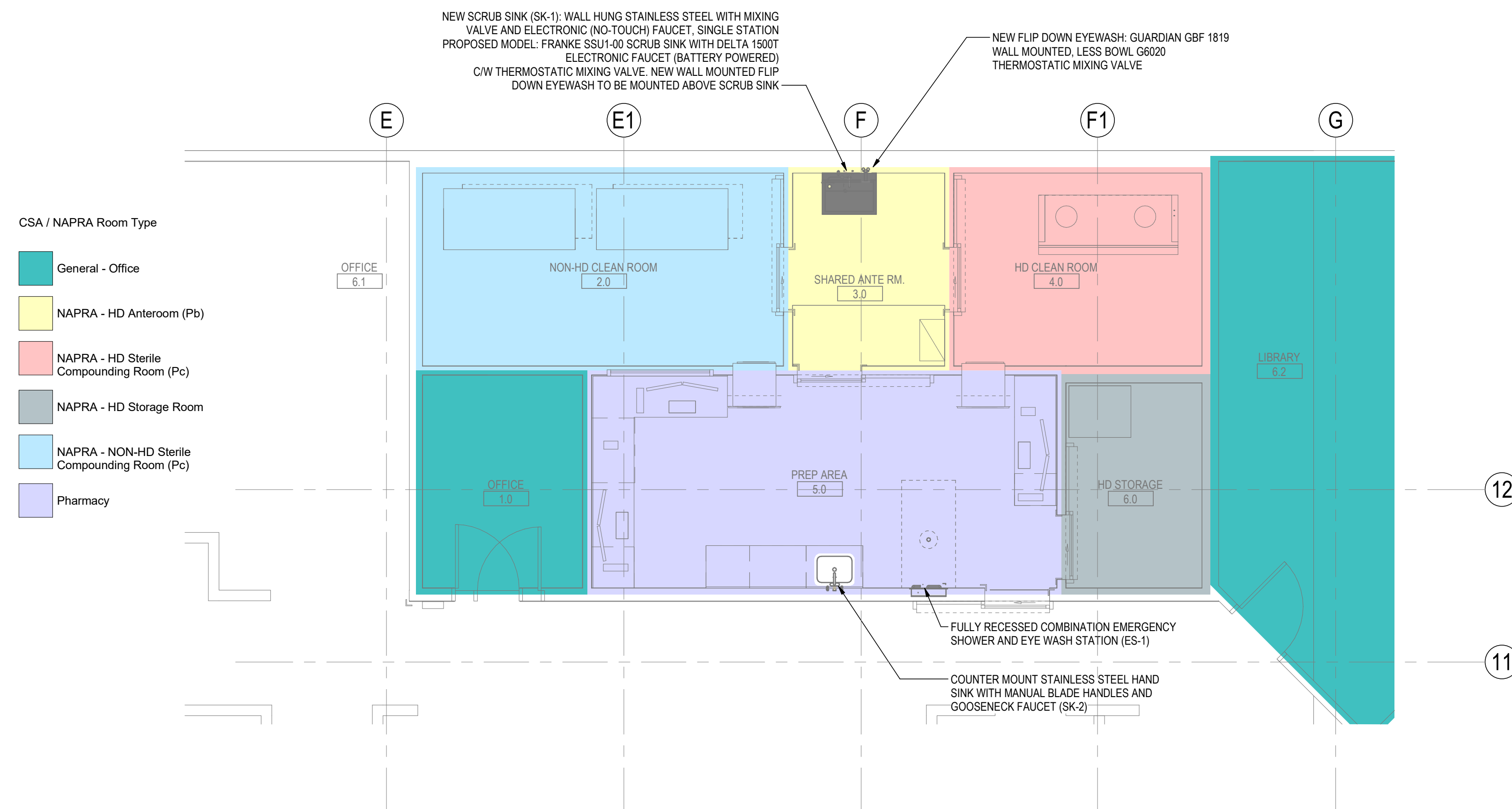
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Title
LEVEL 0 - PLUMBING OVERVIEW

Project No. 144320228	Scale 1 : 50
Revision A	Drawing No. M200

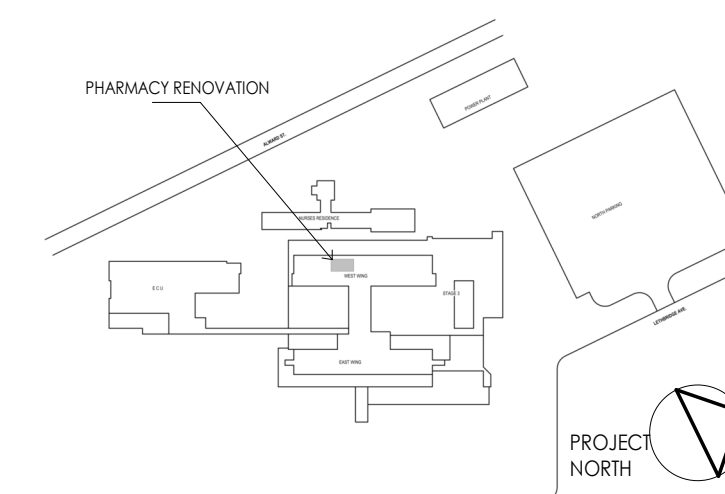
M200



1 **LEVEL 0 OVERALL PLUMBING PLAN**
M200 1 : 50

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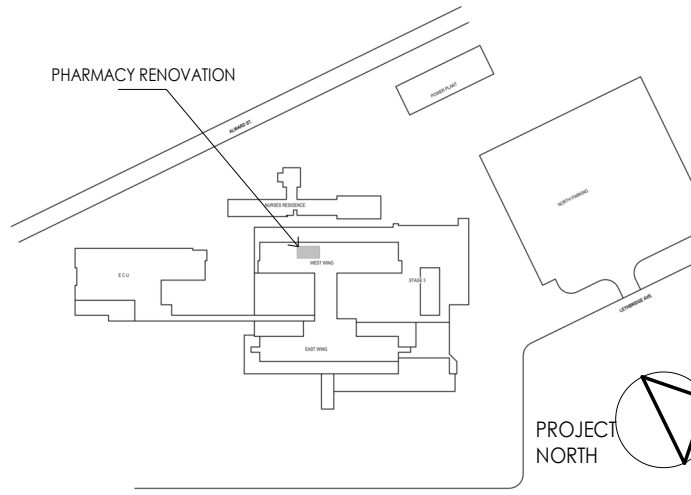


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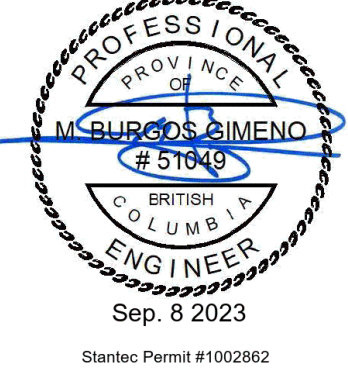
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Project No. 144320228	Scale 1 : 50
Revision A	Drawing No. M300



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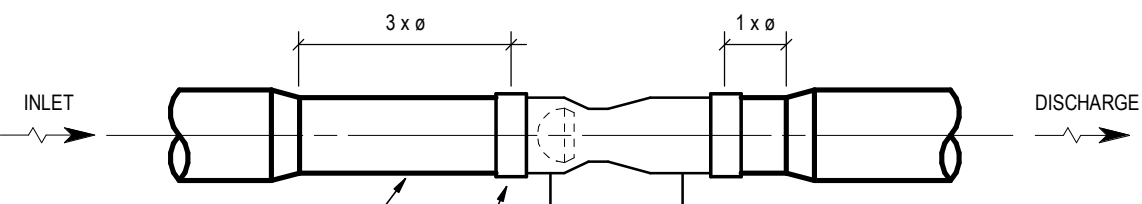


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Title
MECHANICAL DETAILS

Project No. 144320228	Scale As indicated
Revision A	Drawing No. M400



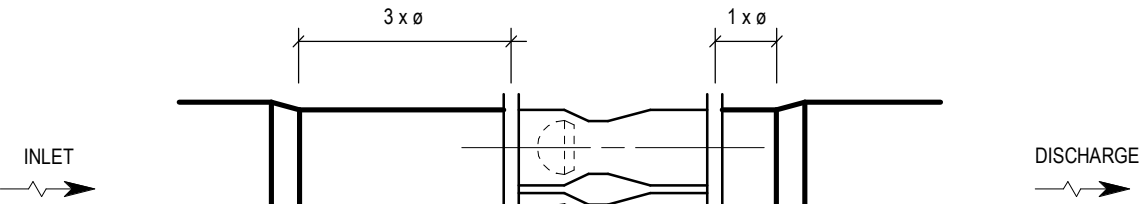
PROVIDE 3 VALVE DIAMETERS OF STRAIGHT DUCTWORK ON THE VALVE INLET AND 1 DIAMETER ON THE OUTLET, WHEREVER SPACE ALLOWS, REDUCERS AS REQUIRED. PROVIDE MIN 100mm FOR INSTALLATION OF BAND CLAMPS.

CONNECT VALVE TO DUCT USING STAINLESS STEEL BAND CLAMP PER BAND CLAMP DETAIL.

THE SPACE TO BE ALLOWED FOR ACCESS TO DAMPER OPERATORS, CONTROLLERS MUST BE NO LESS THAN 450mm (18") SO THAT SERVICE PERSONNEL CAN POSITION THEMSELVES (HEAD AND SHOULDERS) BETWEEN TERMINAL UNIT AND WALLS OR OTHER OBSTRUCTIONS.

3 INSTALLATION DETAIL - VENTURI AIR VALVE - SINGLE

N.T.S.



PROVIDE 3 DUCT DIAMETERS OF STRAIGHT DUCTWORK ON THE VALVE INLET AND 1 DIAMETER ON THE OUTLET, WHEREVER SPACE ALLOWS, REDUCERS AS REQUIRED.

CONNECT VALVE TO DUCT USING FACTORY RECTANGULAR MOUNTING FLANGE. FLANGE CONNECTION PER FUME HOOD EXHAUST FLANGE DETAIL.

NOTE:
ONE DUCT DIAMETER (n) EQUALS

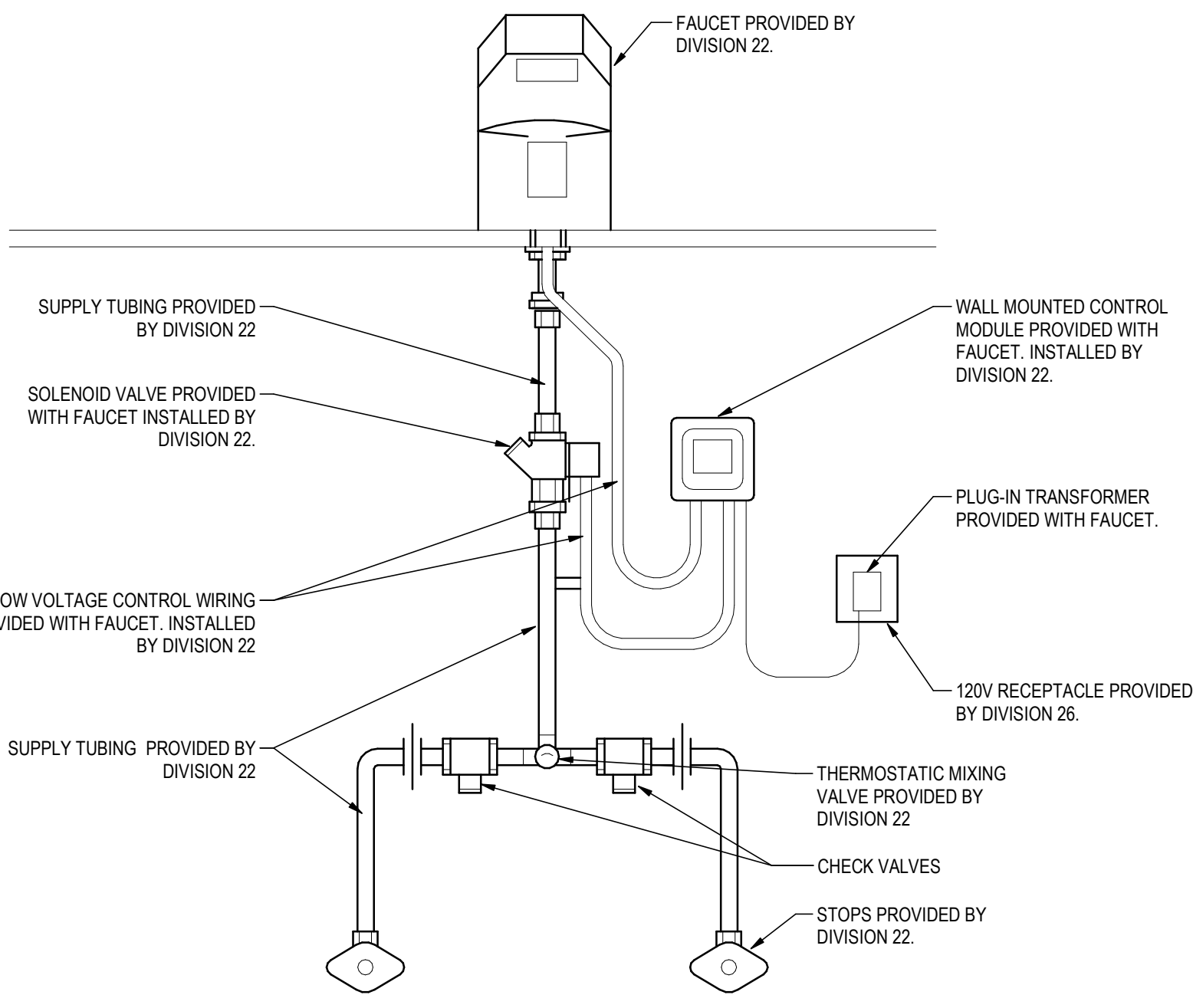
- 2x10: 400mm
- 2x12: 450mm
- 3x12: 500mm
- 4x12: 550mm
- 2x14: 500mm
- 3x14: 550mm
- 4x14: 600mm

THE SPACE TO BE ALLOWED FOR ACCESS TO DAMPER OPERATORS, CONTROLLERS MUST BE NO LESS THAN 450mm (18") SO THAT SERVICE PERSONNEL CAN POSITION THEMSELVES (HEAD AND SHOULDERS) BETWEEN TERMINAL UNIT AND WALLS OR OTHER OBSTRUCTIONS.

4 INSTALLATION DETAIL-VENTURI AIR VALVE-DUAL

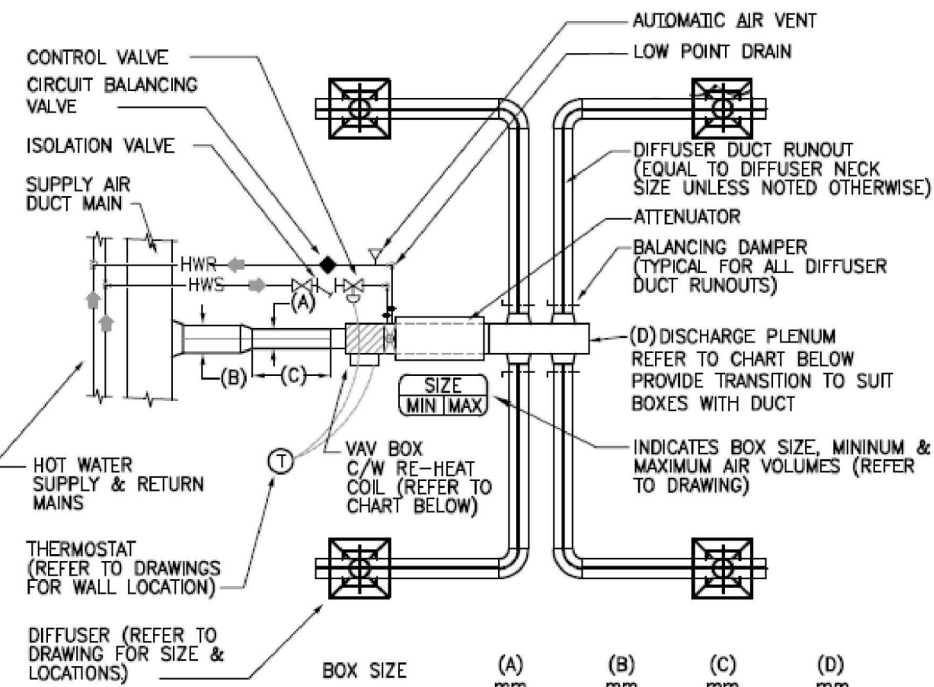
N.T.S.

- NOTES:
- THIS DETAIL IS TYPICAL FOR ALL PUBLIC LAVATORIES AND SINKS
 - INSTALL VALVE IMMEDIATELY ABOVE REMOVABLE CEILING, BELOW IN ACCESSABLE CABINET, OR ACCESS PANEL NEAR FIXTURE.
 - MIXING VALVE TO PROVIDE 43C (110F) WATER TEMPERATURE AT LAVATORY OR SINK OUTLET.



7 FAUCET CONNECTION DETAIL

N.T.S.

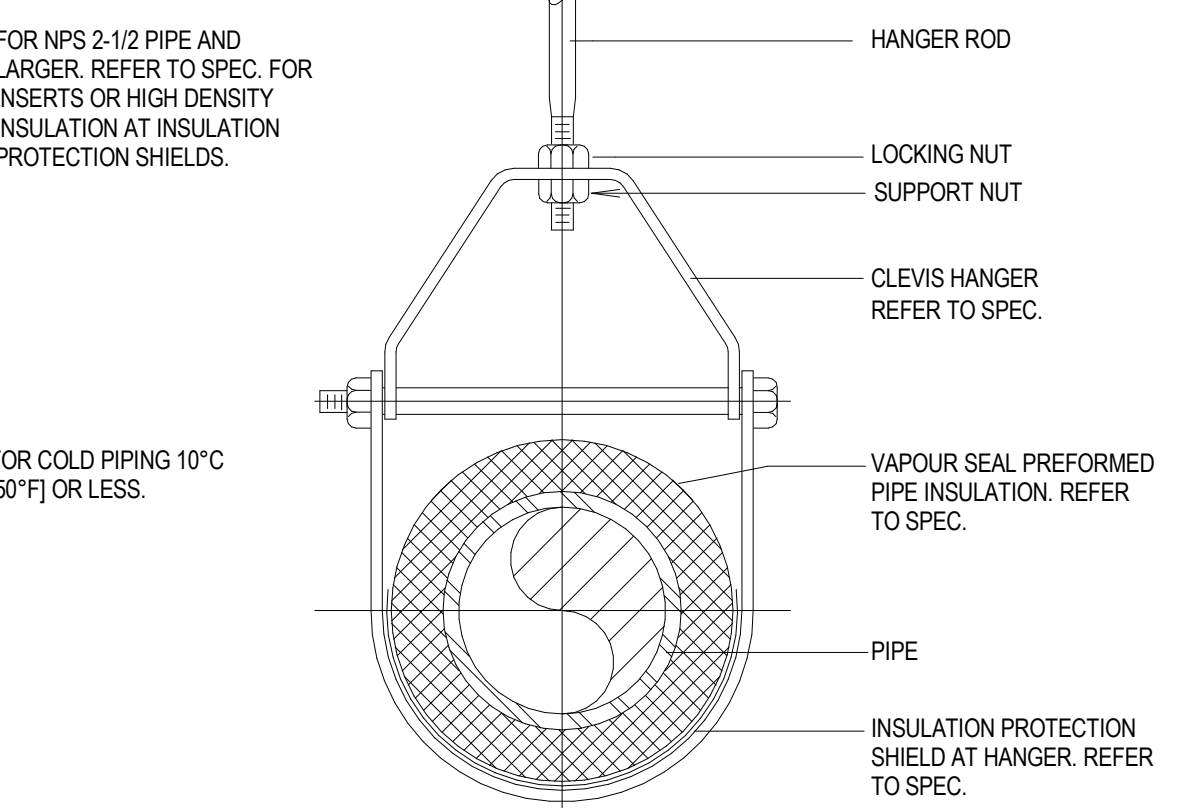


BOX SIZE	(A) mm	(B) mm	(C) mm	(D) mm
4	100~	150~	400	300x200
5	125~	150~	500	300x200
6	150~	200~	600	300x200
7	175~	200~	700	300x250
8	200~	250~	800	300x250
9	225~	250~	900	350x300
10	250~	300~	1000	350x300
12	300~	350~	1200	400x400
14	350~	400~	1400	500x450
16	400~	450~	1600	600x450

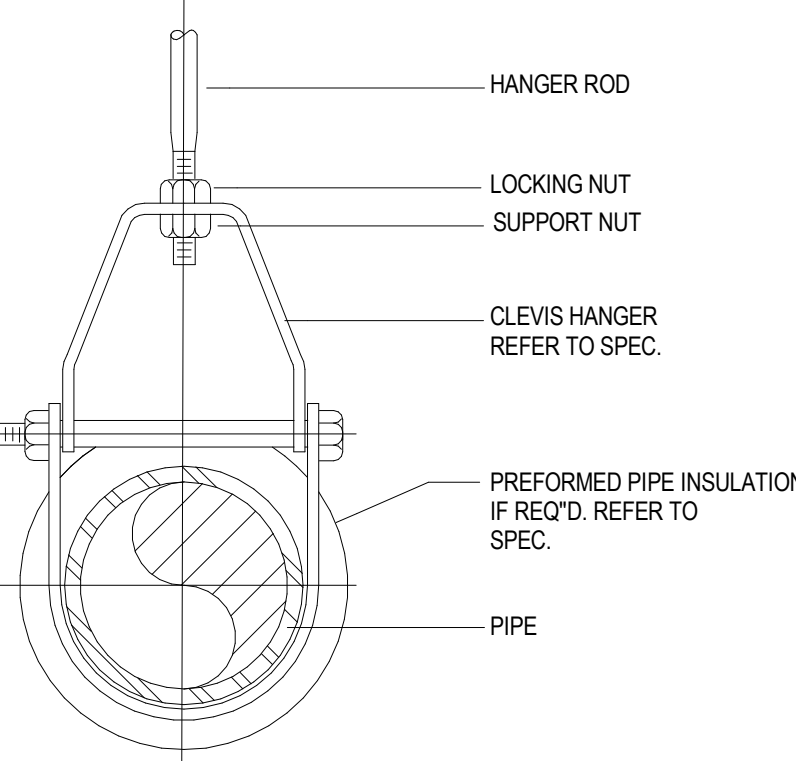
- NOTES:
- (C) IS THE STRAIGHT LENGTH (Min.) OF DUCT EQUAL TO 4 TIMES THE INLET DIAMETER OF THE BOX.
 - ONE THERMOSTAT PER VAV BOX UNLESS NOTED OTHERWISE. EXACT LOCATION TO BE DETERMINED WITH ARCHITECT PRIOR TO INSTALLATION, REFER TO DRAWINGS.
 - CIRCUIT BALANCING VALVE TO BE SIZED BASED ON FLOW NOT PIPE SIZE.

1 AIR VALVE INSTALLATION C/W REHEAT

N.T.S.



HANGER DETAIL FOR PIPING WITH
VAPOUR SEALED INSULATION

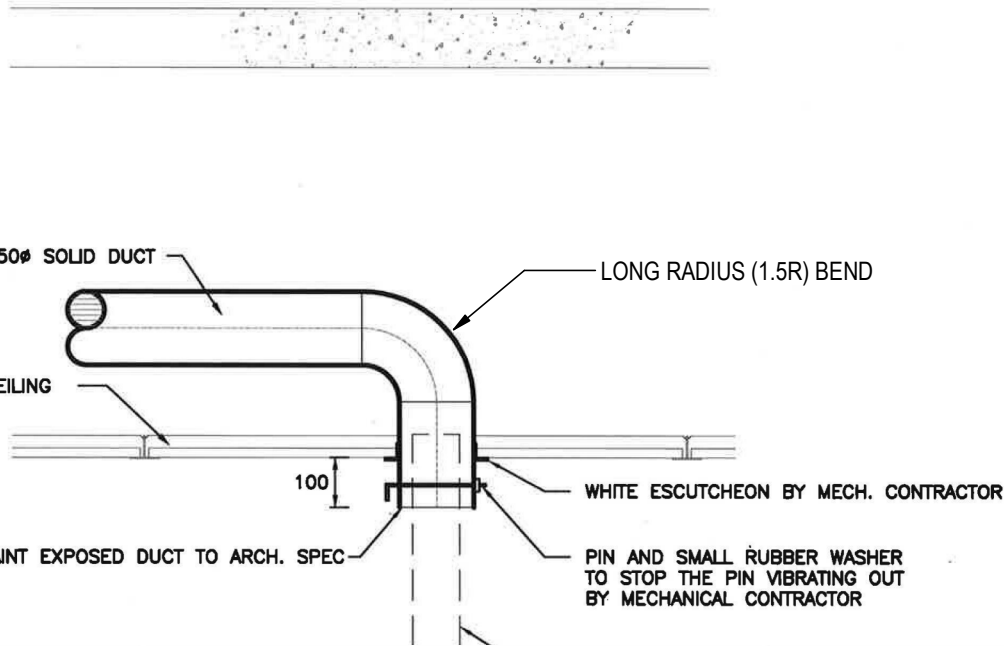


HANGER DETAIL FOR INSULATED HOT PIPING
UP TO NPS 3 (75mm) OR ALL SIZES OF BARE PIPE

5 PIPE HANGER DETAIL

N.T.S.

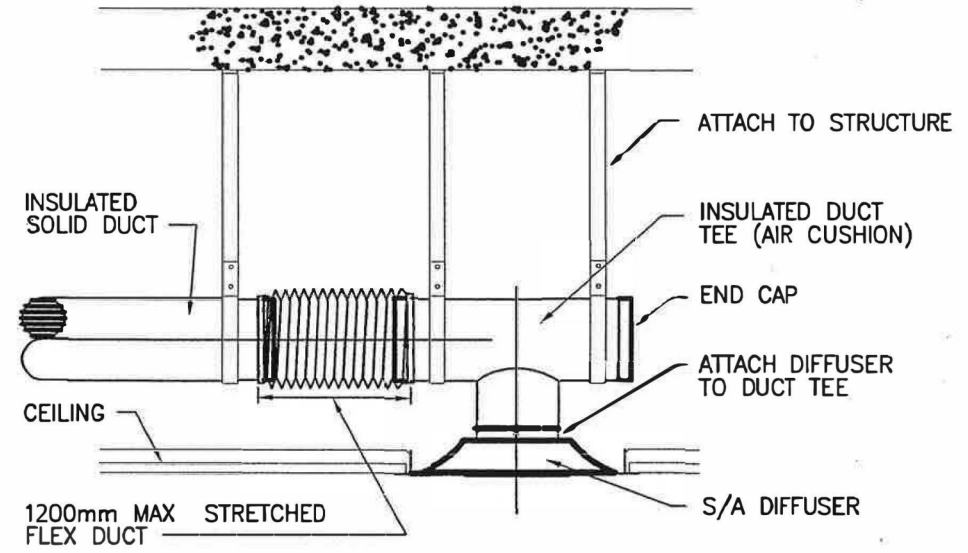
NOTE: SEISMIC RESTRAINTS AS PER SPECIFICATIONS.



2 EXHAUST AIR OUTLET AT CEILING FOR PHARMACY EQUIPMENT

N.T.S.

NOTE: SEISMIC RESTRAINTS AS PER SPECIFICATIONS



6 SUPPLY AIR DIFFUSER

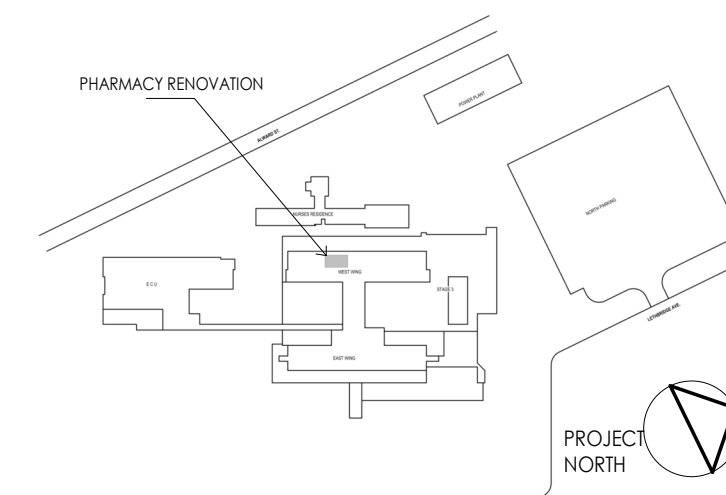
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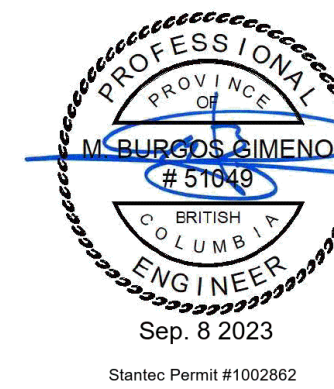
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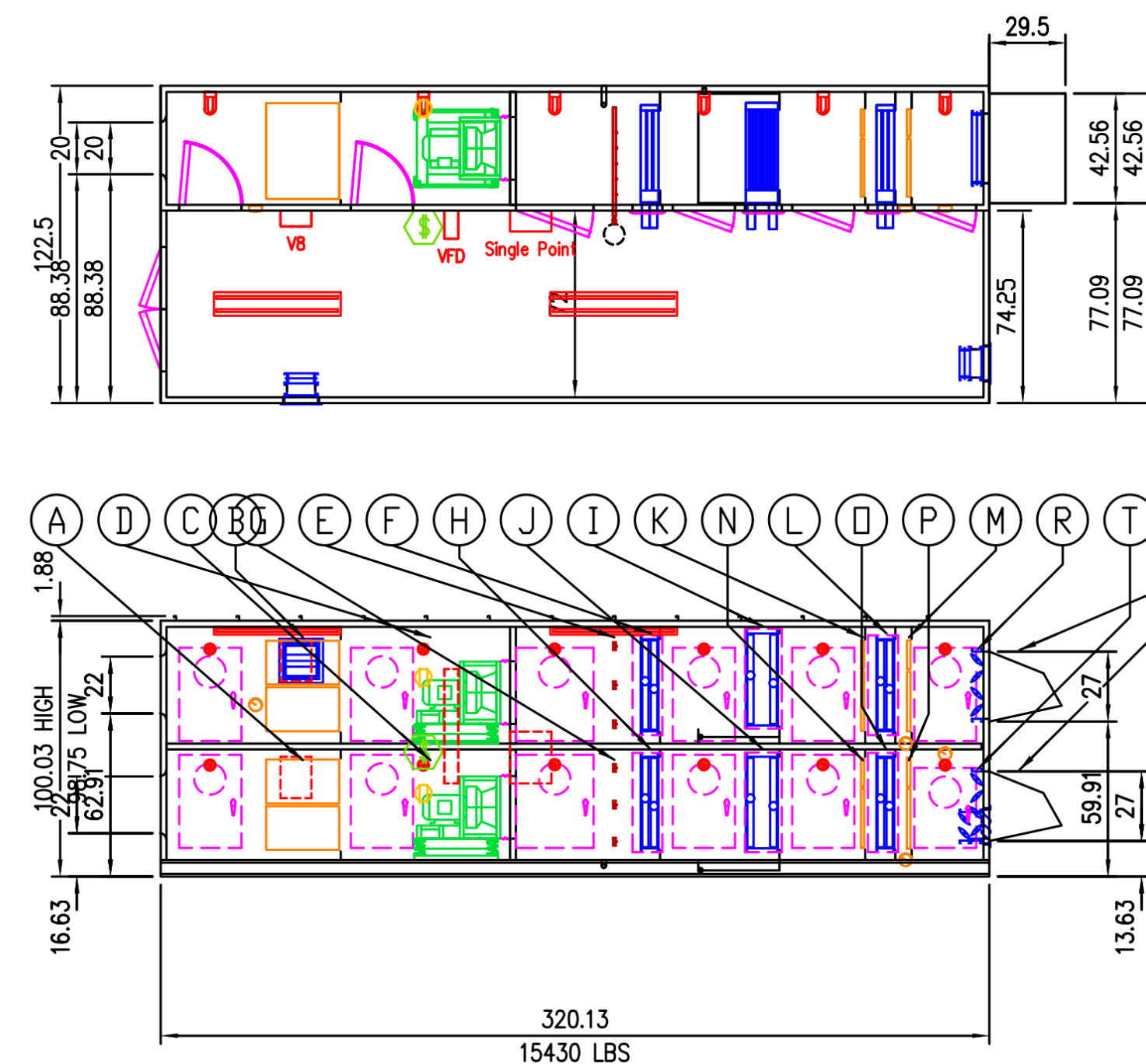
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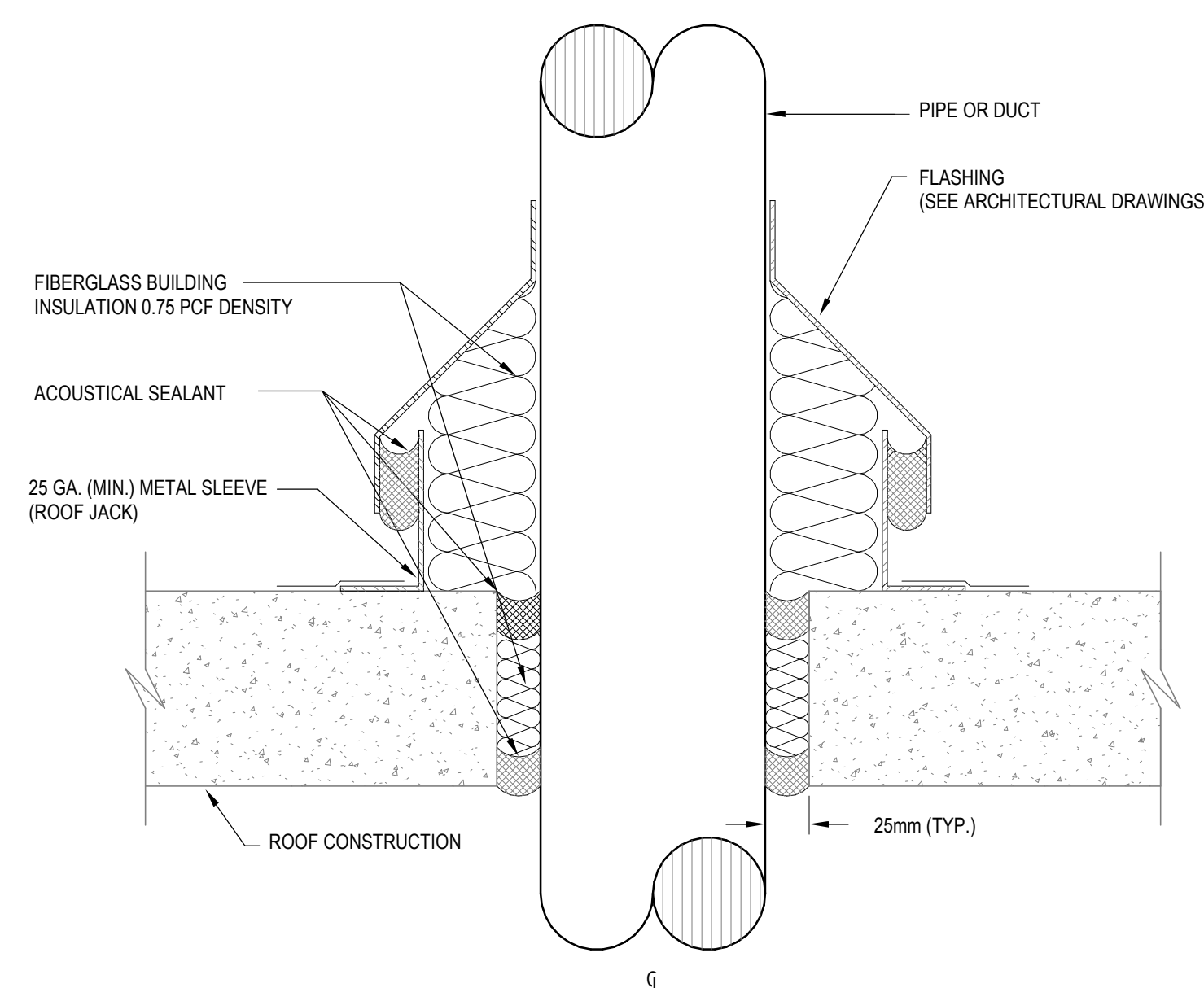
Title
MECHANICAL DETAILS

Project No. 144320228	Scale As indicated
Revision A	Drawing No. M401



AHU SECTION

NTS



NOTES:

1. PROVIDE PITCH POCKET CONSTRUCTION, ADDITIONAL FLASHING OR WEATHER CAP AS REQUIRED FOR WATERPROOF CONSTRUCTION. DO NOT RIDGELY TIE DUCT OR PIPE TO STRUCTURE IN ANY WAY.
2. SPACE BETWEEN DUCT OR PIPE AND METAL SLEEVE SHALL BE FREE OF ANY FOREIGN MATERIALS.
3. DUCT OR PIPE SHALL NOT DIRECTLY CONTACT STRUCTURE. WEDGES SHALL NOT BE USED TO MAINTAIN PIPE IN POSITION.
4. DUCT OR PIPE MUST BE APPROX. CENTERED ON OPENING. PROVIDE ADDITIONAL CLEARANCE FOR POSITIONAL CHANGE OF DUCT DUE TO LOADING OF DUCT OR OPERATION OF SYSTEM.

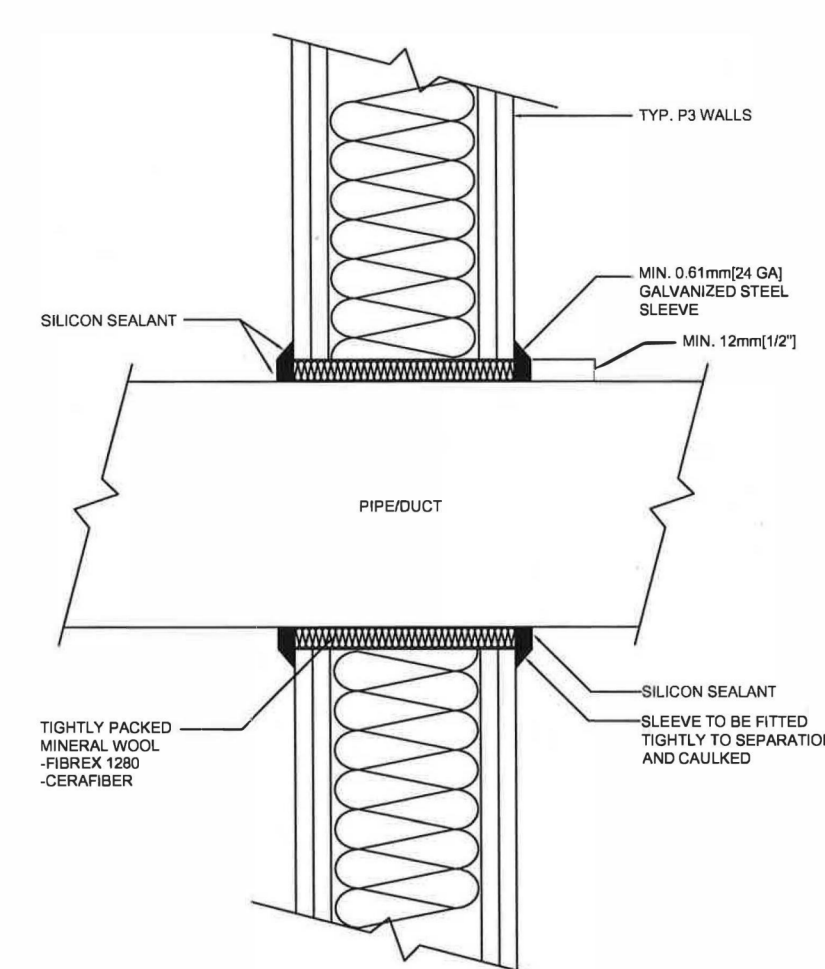
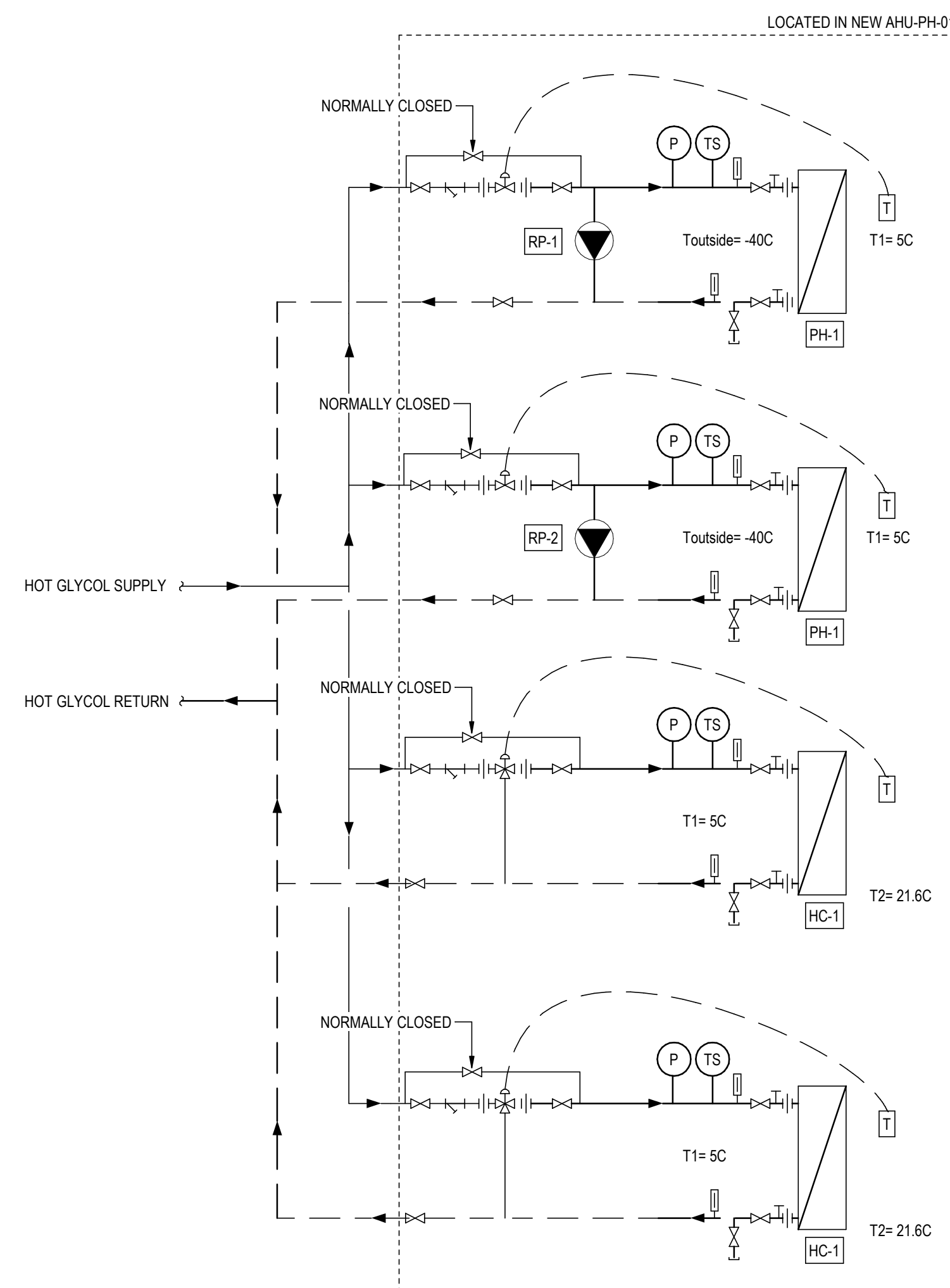
PIPE-DUCT PENETRATION THROUGH ROOF DETAIL

NTS

I	COOLING COIL TYPE : 8 ROW SIZES : 1 ϕ 36 X 31 CONN : RIGHT DRAIN : LEFT	PULL : RIGHT VEL : 493 FPM	TOTAL CFM SUPPLY AIR : 3815 CFM RETURN AIR : 3815 CFM
	A FILTERS : LEFT-UPSTREAM VELOCITY : 402 FPM		
J	COOLING COIL TYPE : 8 ROW SIZES : 1 ϕ 36 X 31 CONN : RIGHT DRAIN : LEFT	PULL : RIGHT VEL : 493 FPM	B FILTERS : LEFT-UPSTREAM VELOCITY : 402 FPM TYPE : 29" DYNAMIC V-8 AIR CLEANERS SIZES : 2 ϕ 36 X 18
	K WINTER FILTERS : LEFT-UPDOWNSTREAM VELOCITY : 477 FPM TYPE : 2" (MERV 8) Farr 30/30 SIZES : 1 ϕ 24 X 24		C Service : SF Fans : SF 16" EPON SW, 77% Wdth, Arrangement-4 Class: 3 Max RPM: 3900 OP. P.TI OP. P.T2 A.F.(cfm): 3815 1908 TSP(nw/c): 6.50 2.75 ESP(nw/c): 3.50 0.00 RPM: 3251 1904
L	PRE-HEATING COIL TYPE : 2 ROW SIZES : 1 ϕ 36 X 31 CONN : RIGHT VEL : 493 FPM	PULL : RIGHT	MOTOR : 10 HP, OP- Prem-Eff., 575/3/60 RPM : 3500 (GROUNDED SHFT) ISOLATORS : OS DEF : 2 in F6eg7 η_{eff} : 61% η_t : 96%
	M SUMMER FILTERS : LEFT-UPDOWNSTREAM VELOCITY : 477 FPM TYPE : 2" (MERV 8) Farr 30/30 SIZES : 1 ϕ 24 X 24		D Service : SF Fans : SF 16" EPON SW, 77% Wdth, Arrangement-4 Class: 3 Max RPM: 3900 OP. P.TI OP. P.T2 A.F.(cfm): 3815 1908 TSP(nw/c): 6.50 2.75 ESP(nw/c): 3.50 0.00 RPM: 3251 1904
N	WINTER FILTERS : LEFT-UPDOWNSTREAM VELOCITY : 477 FPM TYPE : 2" (MERV 8) Farr 30/30 SIZES : 1 ϕ 24 X 24	PULL : RIGHT VEL : 493 FPM	E HUMIDIFIER
	D PRE-HEATING COIL TYPE : 2 ROW SIZES : 1 ϕ 36 X 31 CONN : RIGHT VEL : 493 FPM		F HEATING COIL TYPE : 2 ROW SIZES : 1 ϕ 36 X 31 CONN : RIGHT VEL : 493 FPM
P	SUMMER FILTERS : LEFT-UPDOWNSTREAM VELOCITY : 477 FPM TYPE : 2" (MERV 8) Farr 30/30 SIZES : 1 ϕ 24 X 24		G HUMIDIFIER
	Q INLET HOOD		H HEATING COIL TYPE : 2 ROW SIZES : 1 ϕ 36 X 31 CONN : RIGHT VEL : 493 FPM
R	INLET DAMPER : OPPOSED BLADES MAKE : T.A. Morrison 1000 SIZE : 29 X 28		
	S INLET HOOD		
T	INLET DAMPER : OPPOSED BLADES MAKE : T.A. Morrison 1000 SIZE : 29 X 28		
	UNIT MOUNTING The unit is designed to be mounted on a roof curb. Note : Calculated unit weights are shipping weights and do not reflect operating conditions. Items which are field installed or site loads.		

AHU HYDRONICS SCHEMATIC

NTS

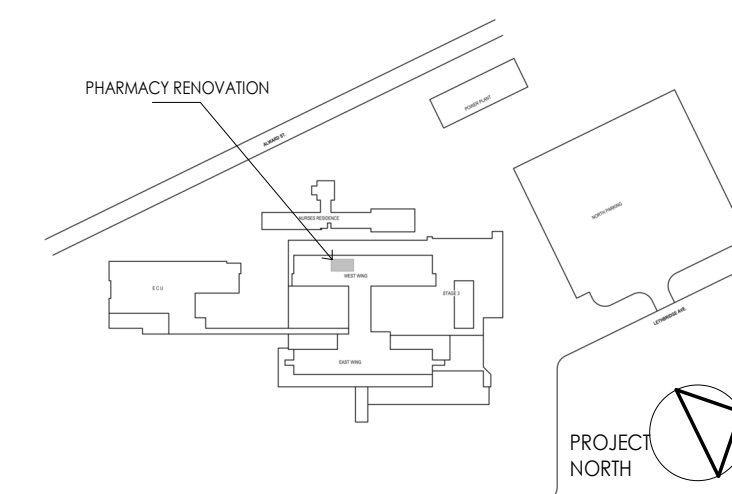


SERVICE PENETRATION THROUGH NON-RATED WALLS

NTS

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Notes



A	ISSUED FOR TENDER	MD	MB
	Issued/Revision	By	Appd
			YYYY.MM.DD

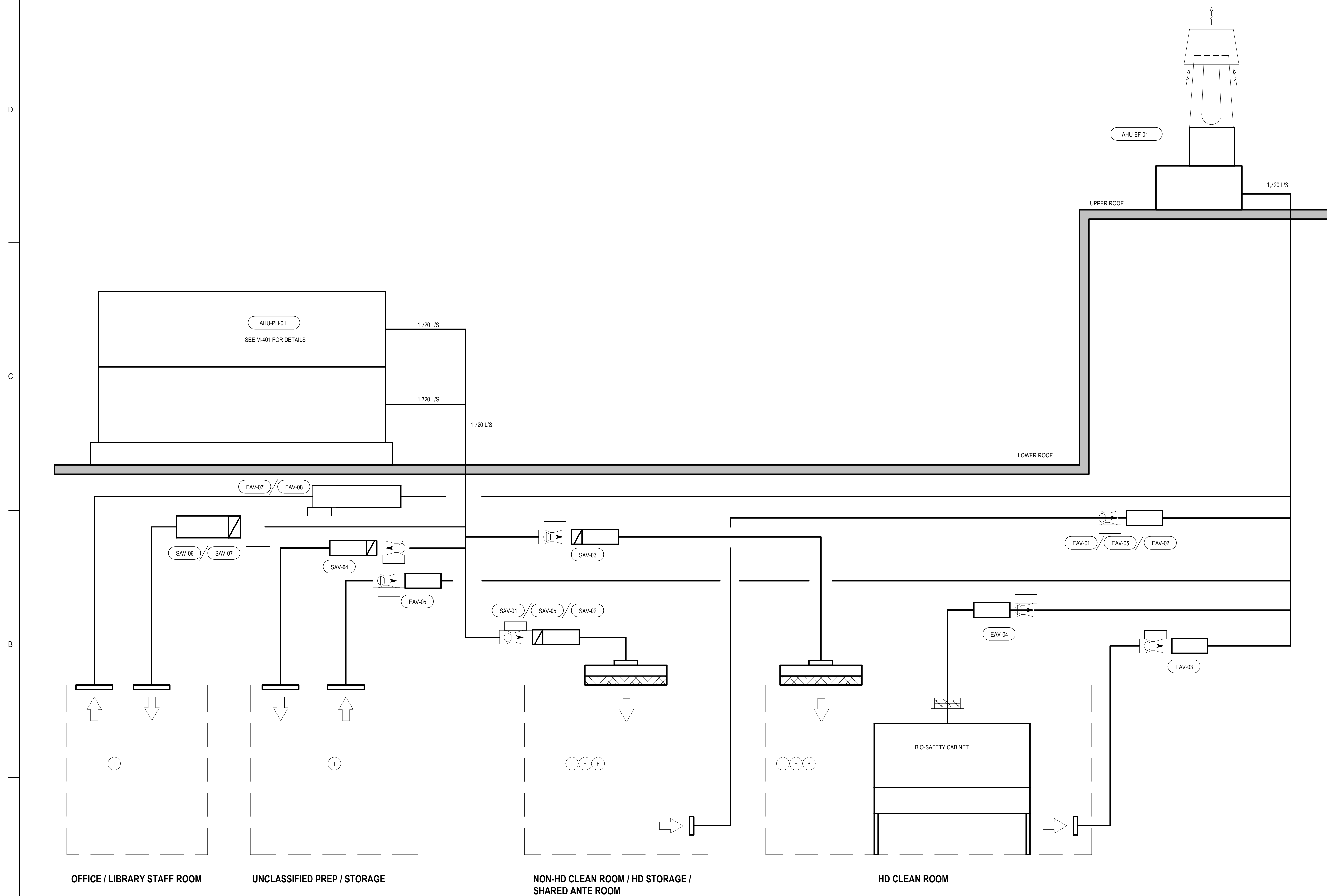


northern health
the northern way of caring

UHNBC (University Hospital of Northern BC)-Pharmacy upgrade
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Title
MECHANICAL SCHEMATICS

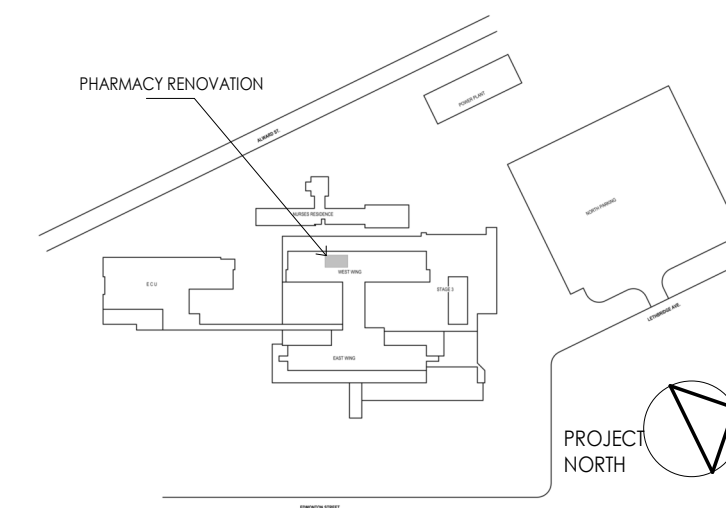
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Revision A	Drawing No. M402



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Notes



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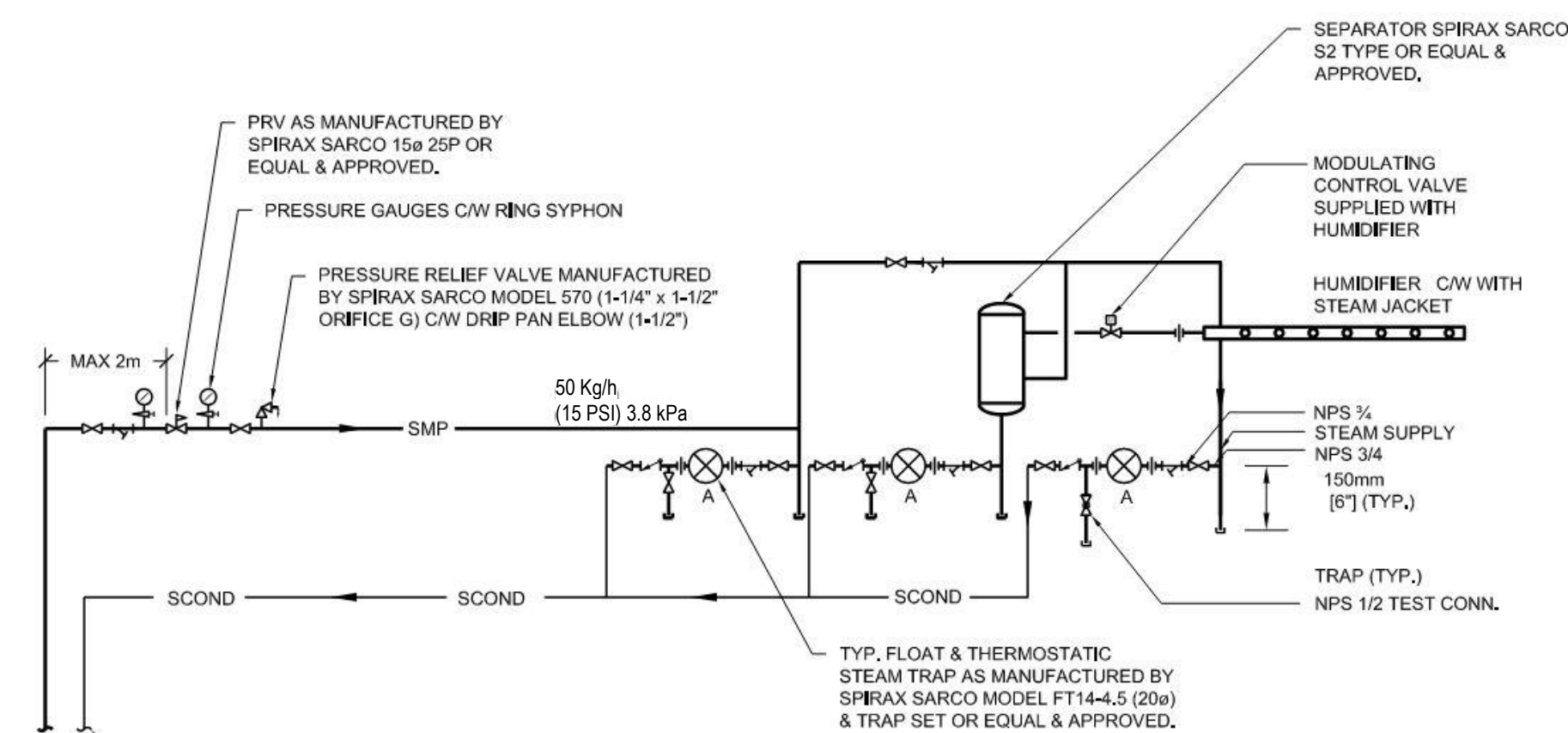
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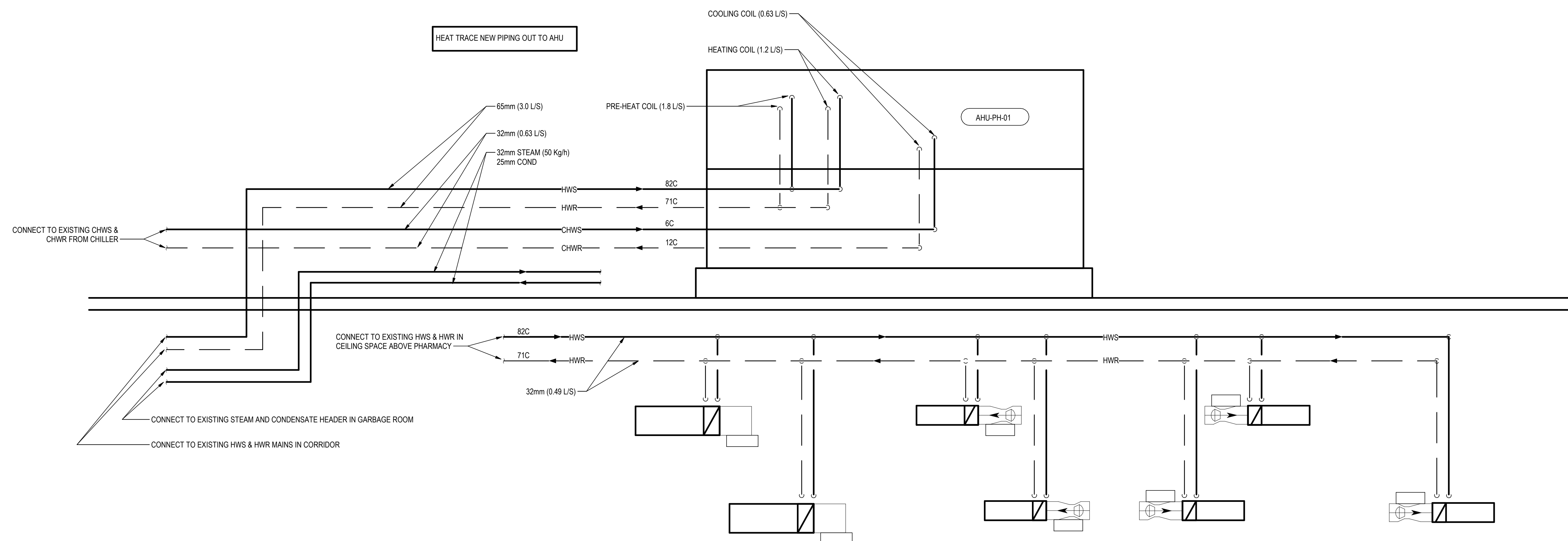
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1475 Edmonton St, Prince George, BC V2M 1S2

Project No. 144320228	Scale 1 : 1
Revision A	Drawing No. M403



STEAM SCHEMATIC



1 HYDRONIC SCHEMATIC

4. PDS FIXED, C/W PITOT TUBE

NOTES



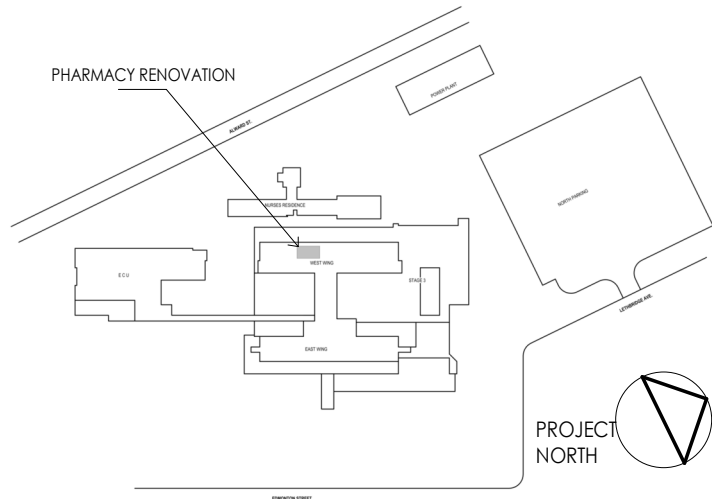
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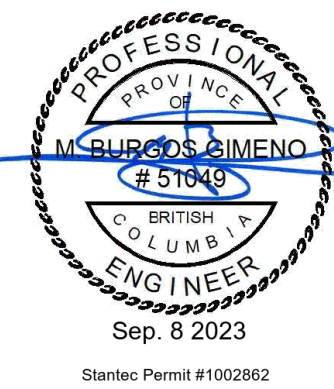
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Consultant

Notes

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Permit/Seal



Client/Project Logc



Client/Project
Northern Health Authority

UHNBC(University Hospital of Northern BC)-Pharmacy upgrade

1475 Edmonton St, Prince George, BC V2M 1S2

MECHANICAL SCHEDULES

Project No. 144320228	Scale
Revision A	Drawing No. M500

D

C

B

A

PHARMACY AIR VALVE SCHEDULE (AV)											
AREA SERVED	AIR VALVE No.	MANUFACTURER	MODEL	PHOENIX MODEL NUMBER	SIZE (in)	REHEAT COIL	OCCUPIED MODE		UNOCCUPIED MODE		NOTES
							MAX. (L/s)	MIN. (L/s)	MAX. (L/s)	MIN. (L/s)	
2.0 NON-HD CLEAN ROOM	EAV-01	Phoenix Controls	ACCEL II	EXVA112L	12	-	275	-	275	-	1,2,3,4,5,6,8,9
3.0 SHARED ANTE ROOM	EAV-02	Phoenix Controls	ACCEL II	EXVA108L	8	-	85	-	85	-	1,2,3,4,5,6,8,9
4.0 HD CLEAN ROOM	EAV-03	Phoenix Controls	ACCEL II	EXVA112L	12	-	230	-	230	-	1,2,3,4,5,6,7,8,9
BIO-SAFETY CABINET	EAV-04	Phoenix Controls	ACCEL II	EXVA112L	2x12	-	600	-	600	-	1,2,3,4,5,6,7,8,9,11
5.0 UNCLASSIFIED PREP / STORAGE SPACE	EAV-05	Phoenix Controls	ACCEL II	EXVA108L	8	-	150	-	150	-	1,2,3,4,5,6,8,9
6.0 HD STORAGE	EAV-06	Phoenix Controls	ACCEL II	EXVA108L	8	-	135	-	135	-	1,2,3,4,5,6,7,8,9
2.0 NON-HD CLEAN ROOM	SAV-01	Phoenix Controls	ACCEL II	MAVA212L	12	REFER TO HTG COIL SCHED.	295	295	295	295	1,2,3,4,5,6,8,9,10,12
3.0 SHARED ANTE ROOM	SAV-02	Phoenix Controls	ACCEL II	MAVA108L	8	REFER TO HTG COIL SCHED.	105	105	105	105	1,2,3,4,5,6,8,9,10,12
4.0 HD CLEAN ROOM	SAV-03	Phoenix Controls	ACCEL II	MAVA212L	2x12	REFER TO HTG COIL SCHED.	810	810	810	810	1,2,3,4,5,6,8,9,10,12
5.0 UNCLASSIFIED PREP / STORAGE SPACE	SAV-04	Phoenix Controls	ACCEL II	MAVA108L	8	REFER TO HTG COIL SCHED.	170	170	170	170	1,2,3,4,5,6,8,9,10,12
6.0 HD STORAGE	SAV-05	Phoenix Controls	ACCEL II	MAVA108L	8	REFER TO HTG COIL SCHED.	115	115	115	115	1,2,3,4,5,6,8,9,10,12
NOTES:											
1. PRESSURE SWITCH, LOW LIMIT.											
2. FAILS TO LAST POSITION.											
3. HORIZONTAL VALVE ORIENTATION. CONTRACTOR TO CONFIRM AIR VALVE ORIENTATION PRIOR TO ORDERING.											
4. ELECTRONIC VALVE CONTROLLER.											
5. CONICAL-SHAPED DIFFUSER VALVE DESIGN.											
6. PRESSURE CONTROL (POC) ALTERNATE OFFSET CAPABILITY.											
7. PROVIDE PHENOLIC COATING FOR HAZARDOUS EXHAUST.											
8. LOW PRESSURE OPERATION.											
9. PROVIDE WITH SYSTEM, REMOTE ACCESS CAPABILITY.											
10. INCLUDE HYDRONIC RE-HEAT COIL, WORKING FLUID WATER.											
11. SHUT-OFF CAPABILITY.											
12. INCLUDE DOOR CONTACTS AND PHOENIX CONTROLS PRESSURE INDICATOR AND MONITORING EQUIPMENT.											

DUCT MOUNTED HOT WATER HEATING COIL SCHEDULE																				
UNIT IDENTIFICATION		COIL				AIR				FLUID						OPERATING WEIGHT (kg)	MANUFACTURER	MODEL NUMBER	NOTES	
REHEAT COIL NO.	ROOM(S) SERVED	TOTAL CAPACITY (kW)	HEIGHT (mm)	LENGTH (mm)	NUMBER OF ROWS	AIRFLOW (l/s)	EDB (°C)	LDB (°C)	FACE VELOCITY (m/s)	MAX APD (Pa)	FLUID TYPE	FLUID FLOW (l/s)	EWI (°C)	LWT (°C)	TUBE VELOCITY (m/s)	MAX WPD (kPa)				
RH-AV-S1	2.0 NON-HD CLEAN ROOM	4.0	394	425	1	295	15	26.2	2.7	12.51	50% PRO. GLYCOL	0.09	82.2	70.4	0.74	7.42	8.4	HEATCRAFT	4BS0901A 317.50 x 349.25	
RH-AV-S2	3.0 SHARED ANTE ROOM	1.4	279	279	1	105	15	26.0	2.5	16.60	50% PRO. GLYCOL	0.03	82.2	69.8	0.46	3.33	4.9	HEATCRAFT	3BS0801B 203.20 x 203.20	
RH-AV-S3	4.0 HD CLEAN ROOM	11.1	381	724	1	810	15	26.3	4.1	34.54	50% PRO. GLYCOL	0.23	82.2	69.4	1.19	13.02	11.4	HEATCRAFT	5BS1001A 304.80 x 647.70	
RH-AV-S4	5.0 UNCLASSIFIED PREP / STORAGE SPACE	2.4	279	305	1	170	15	26.5	3.7	26.74	50% PRO. GLYCOL	0.05	82.2	69.7	0.79	9.17	5.3	HEATCRAFT	3BS1601A 203.20 x 228.60	
RH-AV-S5	6.0 HD STORAGE	1.5	279	279	1	115	15	26.1	2.8	14.79	50% PRO. GLYCOL	0.03	82.2	68.6	0.48	3.71	5.0	HEATCRAFT	3BS1401A 203.20 x 203.20	
NOTES:																				

VAV SCHEDULE																				
AREA SERVED	TAG	MANUFACTURER	MODEL	UNIT SIZE	MAX PRIMARY (L/s)	MIN PRIMARY (L/s)	TERMINAL LINER	REHEAT (L/s)	WC CAPACITY (kW)	EAT (°C)	LAT (°C)	FLUID FLOW (L/s)	FPD (kPa)	FLUID TYPE	GLYCOL %	ROWS	MAX COIL APD (Pa)	EWI (°C)	LWT (°C)	NOTES
1.0 EXISTING OFFICE	EAV-07	PRICE	SDES	4	45	-	FG75													1
6.2 LIBRARY	EAV-08	PRICE	SDES	7	180	-	FG75													1
1.0 EXISTING OFFICE	SAV-06	PRICE	SDV	4	45	28	FG50	45	0.72	15.00	27.00	0.01	0.18	PG	50.00	1L	2	82.20	66.80	ALL
6.2 LIBRARY	SAV-07	PRICE	SDV	7	180	138	FG50	180	2.64	15.00	27.00	0.09	6.54	PG	50.00	1L	17	82.20	74.40	ALL
NOTES:																				
1. VAV'S TO BE SUPPLIED WITH ATTENUATORS, TO BE FIBRE FREE.																				
2. CSA-C CERTIFIED, ULC TESTED ELECTRIC COIL.																				
3. ELECTRIC HEATERS SHALL BE APPROVED FOR ZERO CLEARANCE FOR ALL COMBUSTIBLE MATERIALS.																				
4. ALL CONTROLS SHALL BE INTEGRATED AND PRE-WIRED WITH A NEMA-1 CONTROL PANEL WHICH INCLUDE A REMOVABLE, HINGED DOOR TO PROVIDE EASY ACCESS.																				
5. S.C.R. MODULATING ELECTRIC HEATERS SHALL BE SUPPLIED WITH AN ELECTRIC SENSOR ON EACH SIDE OF THE HEATER TO MEASURE THE TEMPERATURE AND THE AIRFLOW AND A NEPTRONIC HEC CONTROLLER TO ADJUST THE OUTPUT TEMPERATURE IN ACCORDANCE WITH THE MEASURED PARAMETERS. THE NEPTRONIC HEC CONTROLLER SHALL STOP THE ELECTRIC HEATER WHEN THERE IS NO AIRFLOW.																				
6. MANUAL AND AUTOMATIC CUT-OUT.																				
7. DOOR INTERLOCK DISCONNECT SWITCH																				
8. 24 V TRANSFORMER																				
9. LOW WATT DENSITY ELEMENTS, HIGH GRADE NICKEL-CHROME ALLOY																				

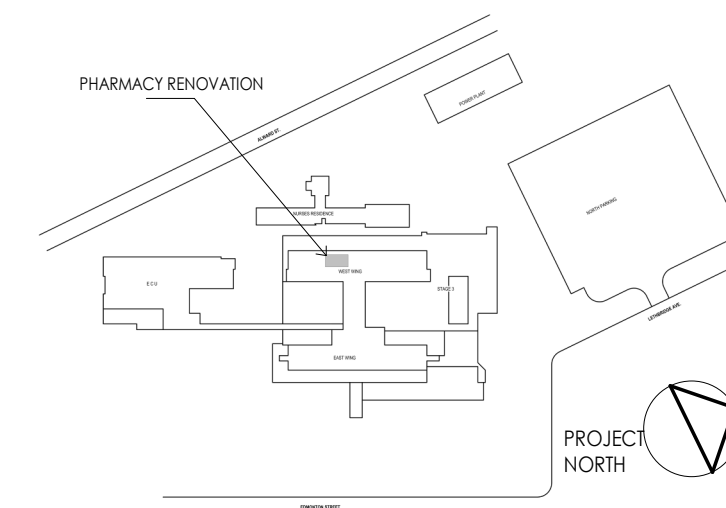
FAN SCHEDULE																		
UNIT IDENTIFICATION			MAX AIRFLOW (l/s)	ESP (Pa)	CONTROL	FAN WHEEL		FAN MOTOR				ELECTRICAL		NOISE LEVEL (dba)	OPERATING WEIGHT (kg)	MANUFACTURER	MODEL NUMBER	NOTES
MARK	NORTHERN HEALTH ID NUMBER	SYSTEM				TYPE	SPEED (RPM)	BHP	HP	SPEED (RPM)	DRIVE TYPE	VOLTS	PHASE					
EF-PH-1		PHARMACY EXHAUST	1,725	650	VFD	HIGH PLUME REDUNDANT	1,800	3.1 (2)	5 (2)	1,800	DIRECT	575	3	71	1300	GREENHECK	VK-MH-18-85-14	1-10
NOTES:																		
1. COMPLETE WITH 24" INSULATED ROOF CURB, BACKDRAFT DAMPER, DISCONNECT SWITCH.																		
2. COMPLETE WITH INLINE SILENCER AND ACOUSTIC BYPASS DAMPERS C/W RAINHOOD.																		
3. C/W NEMA PREMIUM EFFICIENT MOTOR, INVERTER DUTY, TEFC, CLASS F OR GREATER INSULATION, SHAFT GROUNDING, VFD C/W ENCLOSURE SUITABLE FOR OUTDOOR INSTALLATION.																		
4. C/W SPRING SOLATORS AND SEISMIC RESTRAINTS.																		
5. DISCONNECT SWITCH, JUNCTION BOX MOUNTED AND WIRED.																		
6. EC MOTOR WITH 0-10VDC INPUT																		
7. CONTORL TRANSFORMER, MOUNTED AND WIRED																		
8. OUTLET GUARD																		
9. JUNCTION BOX MOUNTED AND WIRED																		
10. MOTOR COVER.																		

HVAC GRILLES, REGISTERS AND DIFFUSERS							
TAG	MANUFACTURER	MODEL	DUTY	TYPE	MATERIAL	FACE SIZE	ACCESSORIES
S-1	E.H PRICE	SPD	SUPPLY	SQUARE PLAQUE DIFFUSER	STEEL	SEE DWGS	1,2,3
S-2	E.H PRICE	LFDC	SUPPLY	LAMINAR FLOW DIFFUSER HIGH EFFICIENCY FILTER	STAINLESS STEEL	600x600	1,2,3,4,5
S-3	E.H PRICE	LFDC	SUPPLY	LAMINAR FLOW DIFFUSER HIGH EFFICIENCY FILTER	STAINLESS STEEL	300x1200	1,2,3,4,5
S-4	E.H PRICE	LFDC	SUPPLY	LAMINAR FLOW DIFFUSER HIGH EFFICIENCY FILTER	STAINLESS STEEL	600x1200	1,2,3,4,5
E-1	E.H PRICE	730	EXHAUST	STAINLESS STEEL LOUVERED GRILLE	STAINLESS STEEL	SEE DWGS	1,2,3
E-2	E.H PRICE	630	EXHAUST	LOUVERED FACE EXHAUST GRILLE	ALUMINUM	SEE DWGS	1,2,3
E-3	E.H PRICE	80 SERIES	EXHAUST	EGG CRATE EXHAUST GRILLE	ALUMINUM	SEE DWGS	1,2,3
NOTES:							
1. REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF CEILING AND/ OR SUSPENSION SYSTEM.							
2. FINISH SHALL BE OF THE TYPE AND COLOR SELECTED BY THE ARCHITECT. SUBMIT CHART FOR SHOP DRAWINGS.							
3. COORDINATE WITH ARCHITECT THE REQUIRED BORDER TYPE, END CAP, FRAME, MOUNTING, FINISH, AND COLOUR PRIOR TO ORDERING							
4. COMPLETE WITH AEROSOL INJECTION PORT (INJ)							
5. COMPLETE WITH HEPA FILTRATION.							



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Notes



GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS. OBTAIN ACCURATE DIMENSIONS FROM THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
2. CONTRACTOR SHALL COMPLETE A DETAILED REVIEW OF THE ARCHITECTURAL DRAWINGS TO COORDINATE INSTALLATION OF FEEDERS AND DEVICE FEEDS INTO THE BUILDING STRUCTURE.
3. CONTRACTOR SHALL COMPLETE A DETAILED REVIEW OF THE ARCHITECTURAL DRAWINGS TO COORDINATE INSTALLATION OF FEEDERS AND DEVICES FEEDS INTO THE BUILDING STRUCTURE.
4. WORK SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND THEIR INTENT. WORK SHALL INCLUDE THE PROVISION FOR BUT NOT LIMITED TO ALL MATERIALS, LABOUR, TOOLS, EQUIPMENT AND SERVICES REQUIRED FOR CONSTRUCTING, INSTALLING AND PUTTING INTO REGULAR OPERATION THE COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THIS DOCUMENT.
5. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL EXPOSED TO VIEW DEVICES, LIGHTING AND EQUIPMENT. EXAMINE AND WRITING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT BY BRINGING NOTICE FOR CLARIFICATION.
6. NOT ALL SYMBOLS INDICATED IN THE SYMBOL SCHEDULES ARE USED IN THE DRAWINGS.




















LIGHTING PLAN SYMBOLS	
	RECESSED LUMINAIRE, 1'x4'
	RECESSED LUMINAIRE, 2'x4'
	RECESSED LUMINAIRE, 2'x2'
	RECESSED LUMINAIRE / POT LIGHT, 6" DIAMETER OR LARGER
	RECESSED LUMINAIRE / POT LIGHT, LESS THAN 6" DIAMETER
	WALL MOUNTED LUMINAIRE
	LUMINAIRE ON EMERGENCY CIRCUIT (INDICATED BY HALF SHADING)
	CEILING MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
	WALL MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
	LINE VOLTAGE SWITCH (120V TO 347V), D- DIMMER SWITCH (0-10V)
	LOW VOLTAGE SWITCH, D- DIMMER SWITCH (0-10V)
	WALL MOUNTED COMBINATION OCCUPANCY SENSOR/LOW VOLTAGE SWITCH, D- DIMMER SWITCH (0 TO 10V)
	CEILING MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)
	WALL MOUNTED LIGHTING OCCUPANCY SENSOR (TYPE AS INDICATED)
	PHOTOCELL (EXTERIOR, TYPE AS INDICATED)
	DAYLIGHT SENSOR (INTERIOR PHOTOCELL, TYPE AS INDICATED)
	WALL MOUNTED COMBINATION OCCUPANCY SENSOR/LINE VOLTAGE SWITCH
	DALI DAC MODULE (0 - 10V) DALI DIGITAL TO ANALOG CONVERTER (DAC) (0-10v)
	PASSIVE INFRARED OCCUPANCY SENSOR (DALI)
	DUAL TECHNOLOGY OCCUPANCY SENSORS (LOW VOLTAGE)
	MULTI-SENSOR-PIR OCCUPANCY SENSOR AND DAYLIGHT SENSOR
	MOMENTARY PUSH BUTTON
	OCCUPANCY SENSOR POWER PACK
	EMERG. LTG. BATTERY PACK (# OF LAMPS AS SHOWN)
	EMERG. LTG. BATTERY PACK
	CEILING MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)
	WALL MOUNTED EMERG. LTG. REMOTE HEAD (# OF LAMPS AS SHOWN)
	COMBINATION EXIT SIGN/EMERG. LTG. BATTERY PACK

























LIGHTING ANNOTATION LEGEND






The diagram illustrates the components of a lighting fixture callout. A rectangular box labeled 'XX' represents the luminaire type. A triangle labeled 'V-POT:13(a)' represents the panel. Lines connect these symbols to their respective parts in a fixture cross-section: the luminaire type points to the main body, the panel points to the glass cover, the circuit points to the internal wiring, and the switch leg/control ID points to the switch mechanism.













- LUMINAIRE TYPE (SCHEDULE REFERENCE)
- PANEL
- CIRCUIT
- SWITCH LEG/ CONTROL ID






ELECTRICAL POWER, LIGHTING, OTHER EQUIPMENT DESIGN (ENERGY)	
BC BUILDING CODE:	2018
ELECTRICAL DESIGN:	
ENERGY STANDARD / CODE:	ASHRAE 90.1-2016
POWER COMPLIANCE PATH:	PRESCRIPTIVE
IN ACCORDANCE WITH:	SECTION 8.1.4 (ALTERATIONS TO EXISTING BUILDINGS)
LIGHTING COMPLIANCE PATH:	PRESCRIPTIVE
LIGHTING DESIGN METHOD:	SPACE BY SPACE
IN ACCORDANCE WITH:	SECTION 9 (ALTERATIONS TO EXISTING BUILDINGS)
OTHER EQUIPMENT PATH:	SECTION 10 (ALTERATIONS TO EXISTING BUILDINGS)

FIRE ALARM SYMBOLS	
	MANUAL STATION
	BELL
	HORN SPEAKER
	CONE SPEAKER
	SMOKE DETECTOR
	SMOKE DETECTOR, DC DENOTES DUAL CONTACT
	SMOKE DETECTOR, DUCT MOUNTED
	SMOKE ALARM
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL
	CENTRAL ALARM & CONTROL FACILITY
	EMERGENCY TELEPHONE
	FA CONTROL TERMINAL
	FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE
	RELAY INDIVIDUALLY ADDRESSABLE MODULE FOR FIRE ALARM
	OF LINE RESISTOR
	FAULT ISOLATION MODULE
	CONTROL MODULE
	MONITOR MODULE

POWER PLAN SYMBOLS	
	DUPLEX 5-15R RECEPTACLE
	DUPLEX 5-20R RECEPTACLE, T-SLOT
	TWO DUPLEX 5-15R RECEPTACLES
	CEILING MOUNTED JUNCTION BOX AND EQUIPMENT CONNECTION
	WALL MOUNTED JUNCTION BOX AND EQUIPMENT CONNECTION
	FLOOR MOUNTED JUNCTION BOX AND EQUIPMENT CONNECTION
	PANEL (TYPE AS INDICATED - SECURITY, LIGHTING CONTROL, ETC.)
	WALL MOUNTED DIRECT EQUIPMENT CONNECTION
	SPLITTER
	SURFACE RACEWAY (TYPE AS INDICATED)
	WAVE TO OPEN PUSHBUTTON
	MOTOR
	MOTOR c/w DISCONNECT SWITCH
	COMBINATION DISCONNECT AND MAGNETIC MOTOR STARTER
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	THERMOSTAT
	MANUAL MOTOR STARTER c/w PILOT LIGHT
	CONDUIT STUB
	CONDUIT UP
	CONDUIT DOWN
	DEVICE MOUNTED ABOVE MILLWORK COUNTERTOP
	DEVICE MOUNTED WITHIN MILLWORK COUNTERTOP

GENERAL SYMBOLS	
	NOTE REFERENCE
	EQUIPMENT REFERENCE
	REVISION NUMBER
	WIRING HOME RUN
	DETAIL REFERENCE (1 DENOTES DETAIL NUMBER, E604 DENOTES SHEET NUMBER)

SECURITY/ACCESS CONTROL SYMBOLS	
	CARD READER
	CARD READER AND KEYPAD
	ELECTRONIC DOOR STRIKE
	MAGNETIC LOCK
	DOOR CONTACT
	DOOR POSITION SWITCH
	REQUEST TO EXIT WALL MOUNTED SENSOR
	WAVE TO OPEN PUSHBUTTON
	EMERGENCY PANIC PUSHBUTTON
	AUTOMATIC DOOR OPENER
	ELECTRIFIED LOCK SET
	CEILING MOUNTED SECURITY CAMERA

TELECOMMUNICATIONS SYMBOLS	
	WALL MOUNTED TELECOM OUTLET (# DENOTES NUMBER OF CAT 6A CABLES)
	WALL MOUNTED BI-DIRECTIONAL INTERCOM
	CEILING MOUNTED DATA OUTLET (#DENOTES NUMBER OF DATA DROPS)
	WIRELESS ACCESS POINT (PROCURED BY OTHERS, INSTALLED BY CONTRACTOR)
	CLOCK RECEPTACLE

ABBREVIATIONS	
AV	AUDIO-VISUAL
ADO	AUTOMATIC DOOR OPENER
AFF	ABOVE FINISHED FLOOR
EX	EXISTING EQUIPMENT TO REMAIN
WAP	WIRELESS ACCESS POINT
BMS	BUILDING MANAGEMENT SYSTEM
FR	FRIDGE/FREEZER
RE	EXISTING EQUIPMENT TO BE REMOVED
RL	EXISTING EQUIPMENT IN A RELOCATED POSITION
HK	HOUSEKEEPING
JB	JUNCTION BOX
LC	LIGHTING CONTROL
MW	MICROWAVE
PC	PERSONAL COMPUTER
TYP	TYPICAL
UC	UNDERCOUNTER
WP	WEATHERPROOF
WRK	STAFF WORKSTATION
GF	GROUND FAULT CIRCUIT INTERRUPTER
ADO	AUTOMATIC DOOR OPENER

Permit/Seal



Client/Project Logos



northern health
the northern way of caring

Client/Project

Northern Health Authority

UHNBC (University Hospital of Northern BC)-
NAPRA Pharmacy Renovation

1475 Edmonton St, Prince George, BC V2M 1S2

Title

COVER PAGE

Project No. _____

144320228

Revision

A

Scale

N.T.S

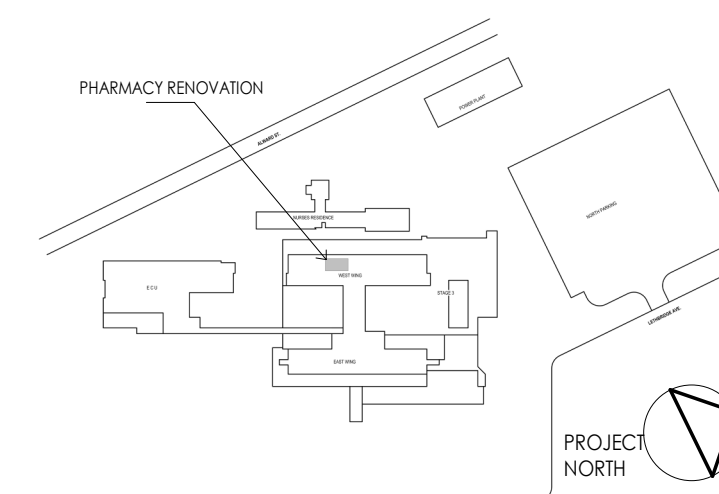
Drawing No.

EQ01

EVO

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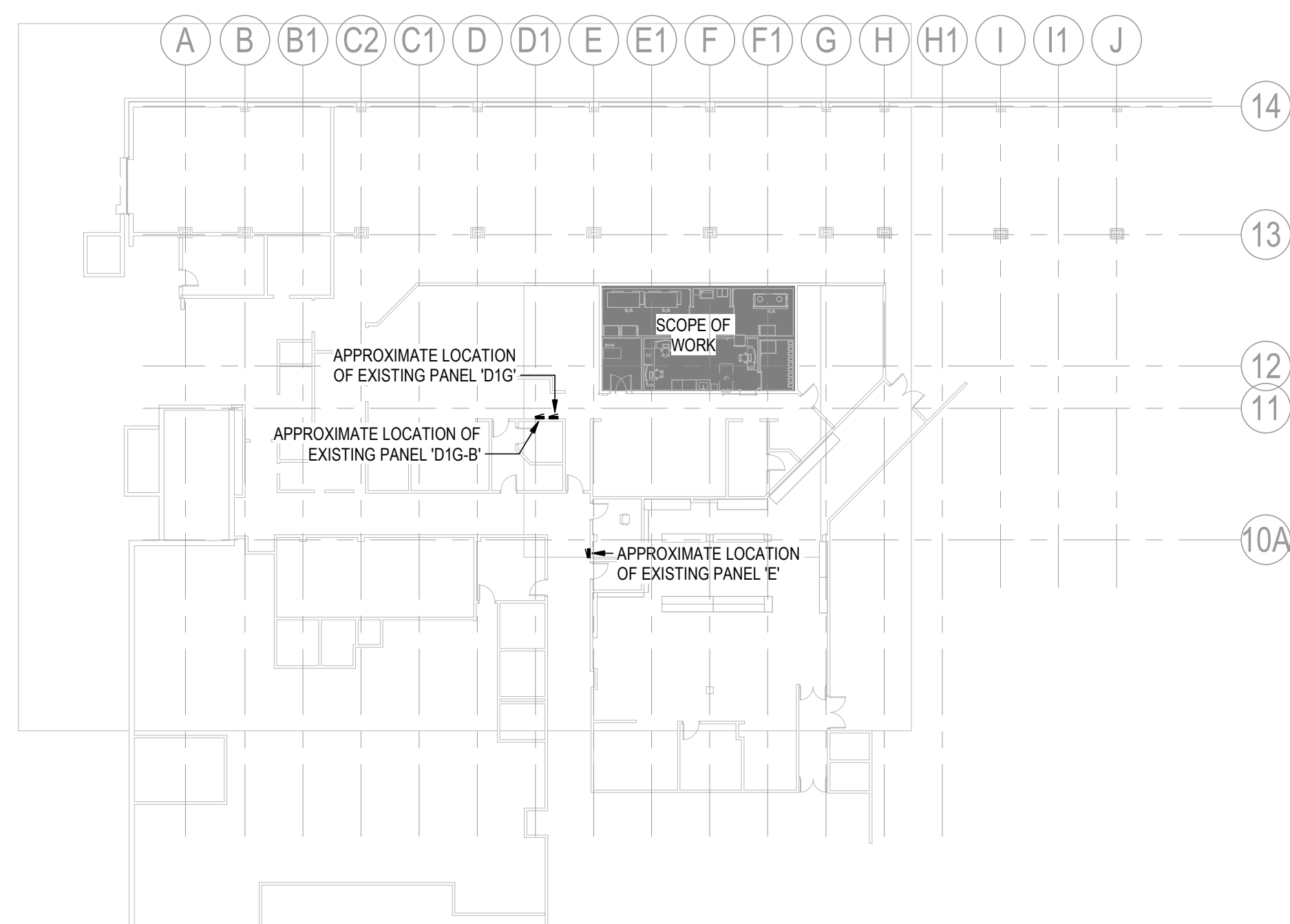
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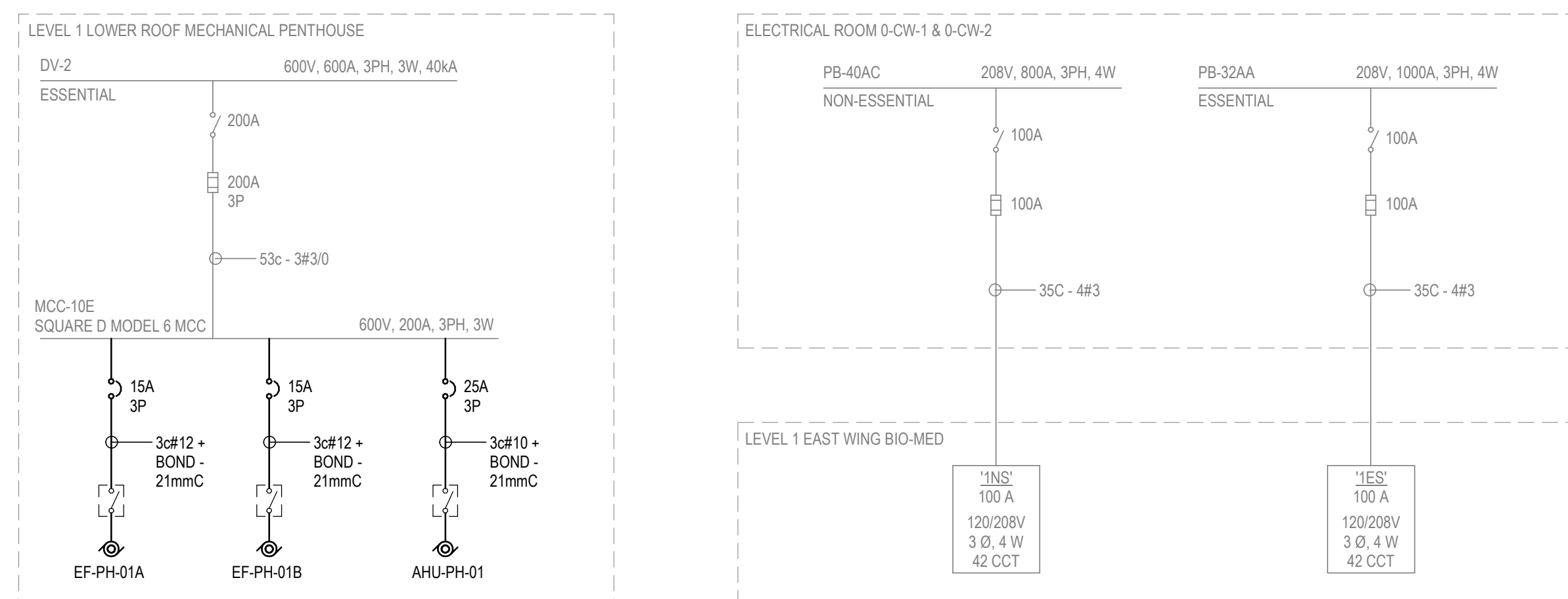
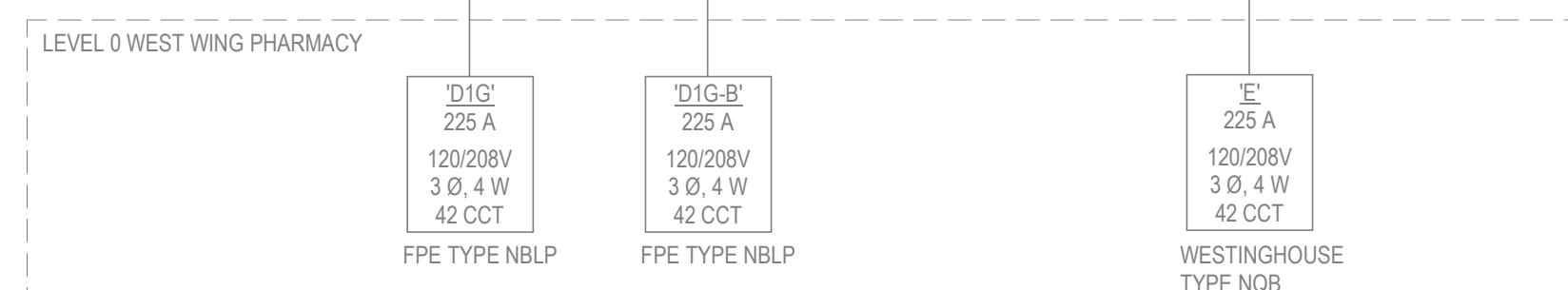
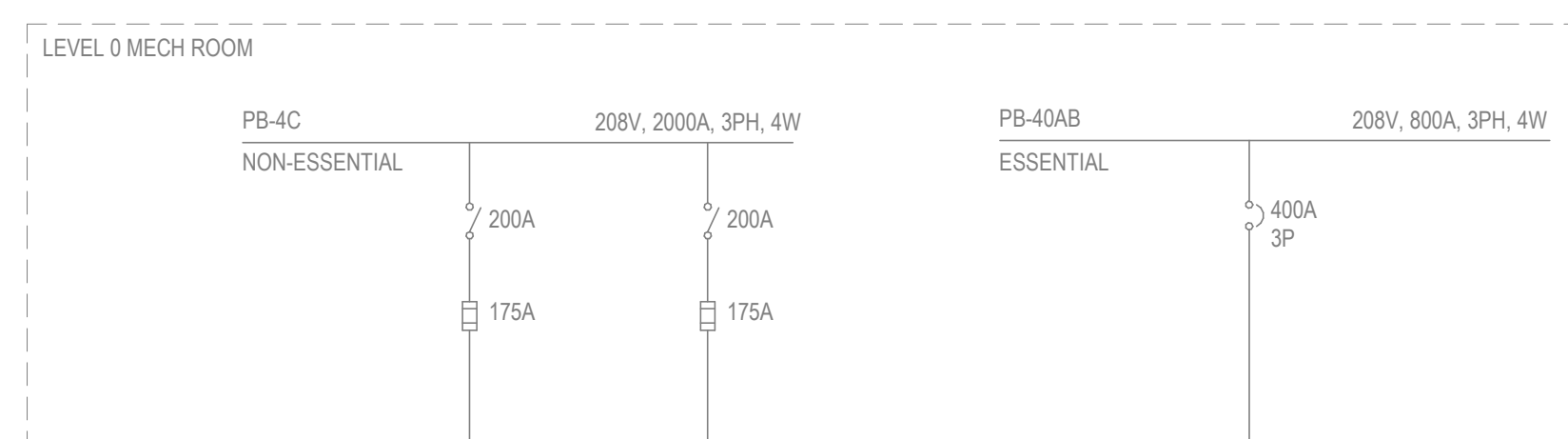
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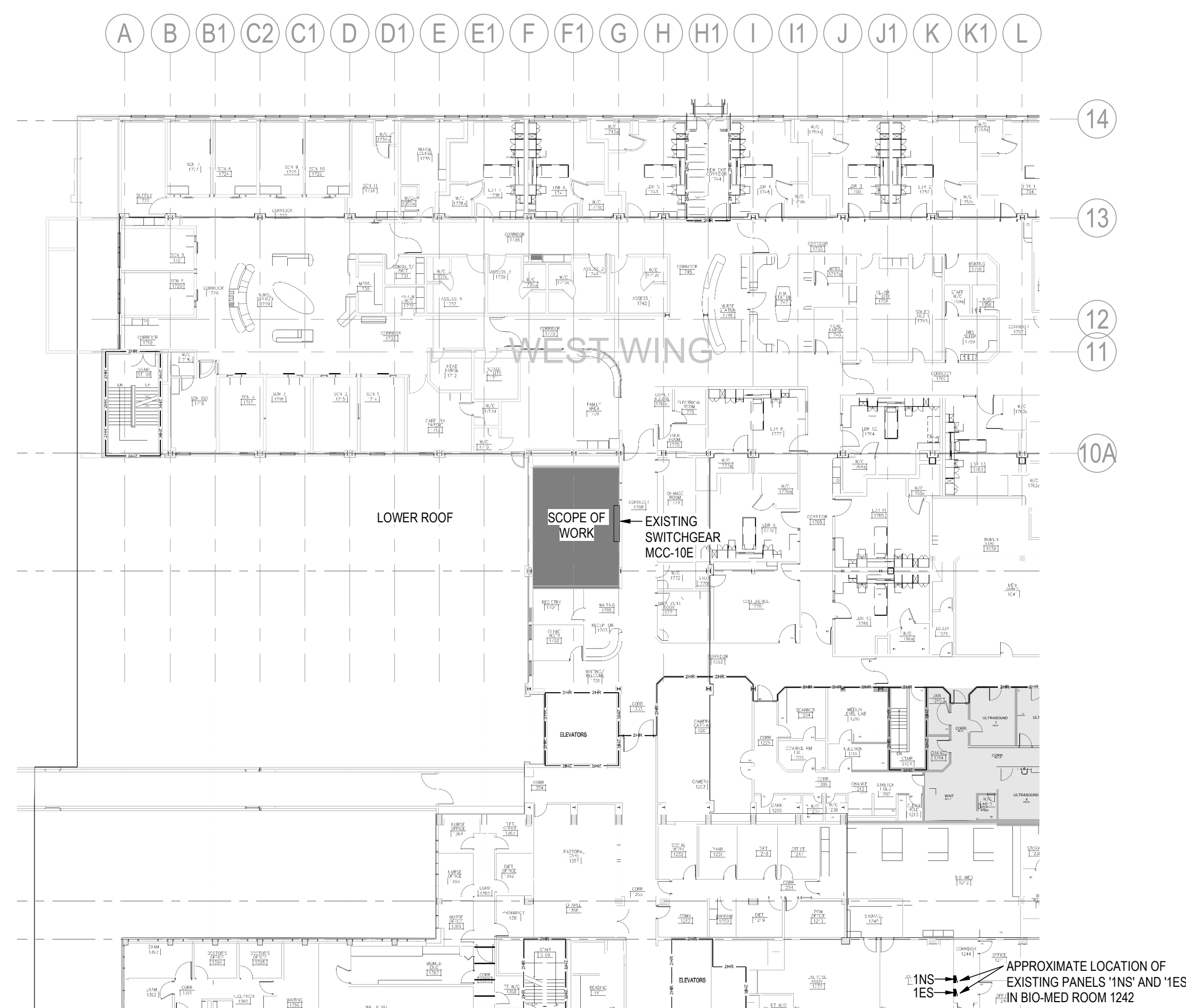
Drawing No.
E010



1 **LEVEL 0 KEY PLAN**
E010 1 : 300



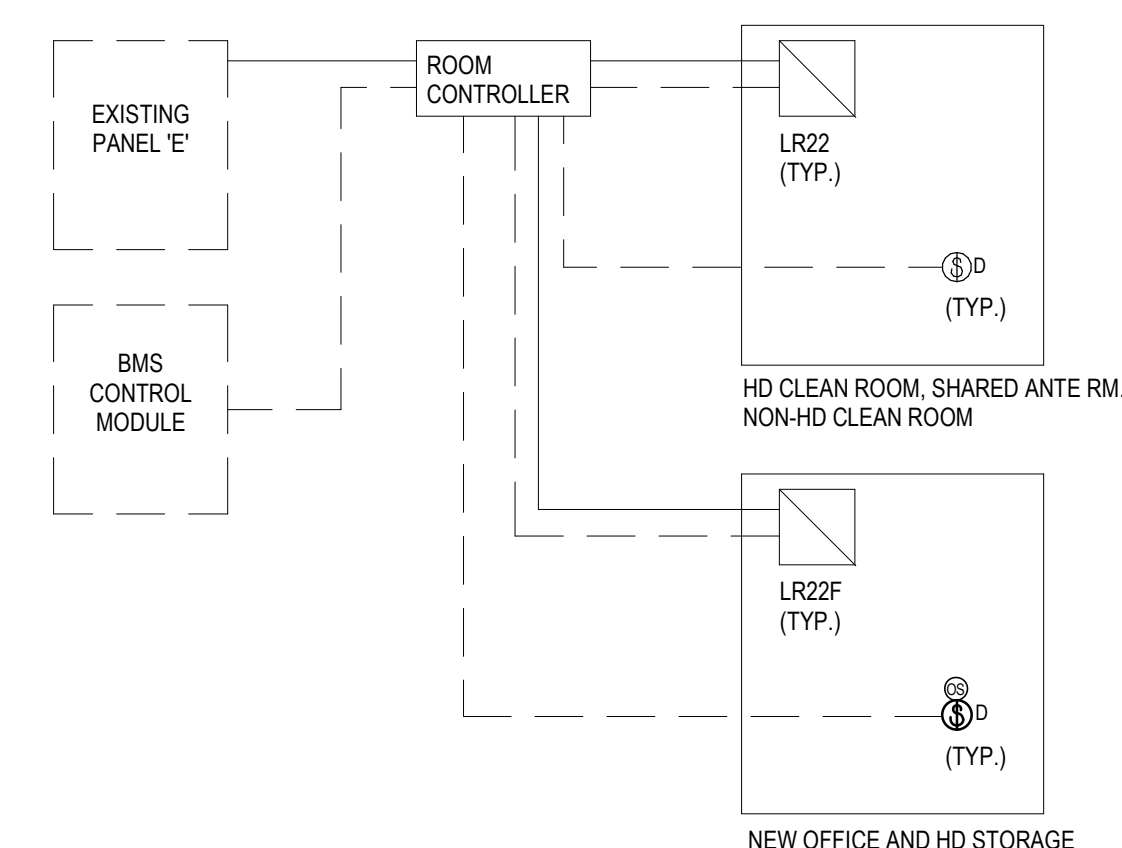
4 PARTIAL EXISTING SINGLE LINE DIAGRAM



5
E010



3	EXISTING SWITCHGEAR MCC-10E
E010	N.T.S

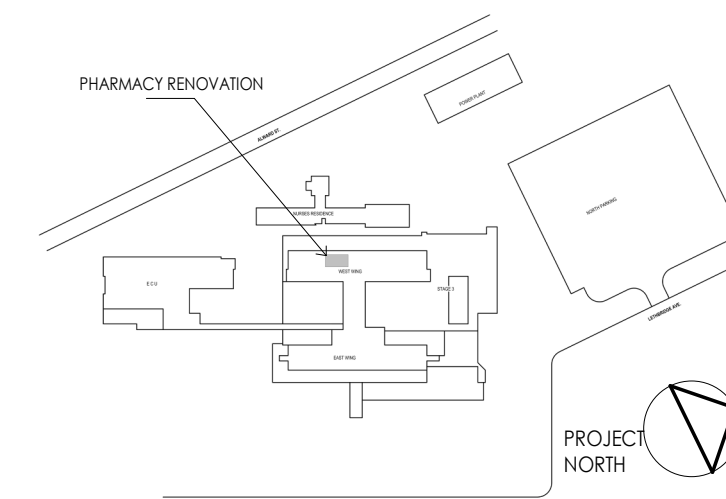


- NOTES:
1. PROVIDE ROOM CONTROLLER AND LIGHTING CONTROL DEVICES TO MATCH EXISTING LIGHTING CONTROL SYSTEM (RELIABLE CONTROLS).
 2. LIGHTING CONTROL BEHAVIOUR:
 - a. NEW OFFICE AND HD STORAGE: ALL LIGHTING FIXTURES TO BE MANUAL ON, DIMMABLE AND AUTO OFF UPON 15 MINS OF INACTIVITY.
 - b. HD CLEAN ROOM, SHARED ANTE RM AND NON-HD CLEAN ROOM: ALL LIGHTING FIXTURES TO BE MANUAL ON AND OFF AND DIMMABLE.

2 LIGHTING CONTROL WIRING DIAGRAM

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Notes



KEYNOTE LEGEND	
Key Value	Keynote Text
01	PROVIDE ADO CAM MOUNTED UNIT SWITCH (BY ADO VENDOR) AT EACH DOOR IN SHARED ANTEROOM TO BE USED AS INTERLOCK SIGNAL TO RESTRICT OTHER DOORS TO OPEN UNLESS DOOR IS FULLY CLOSED.

[illegible]

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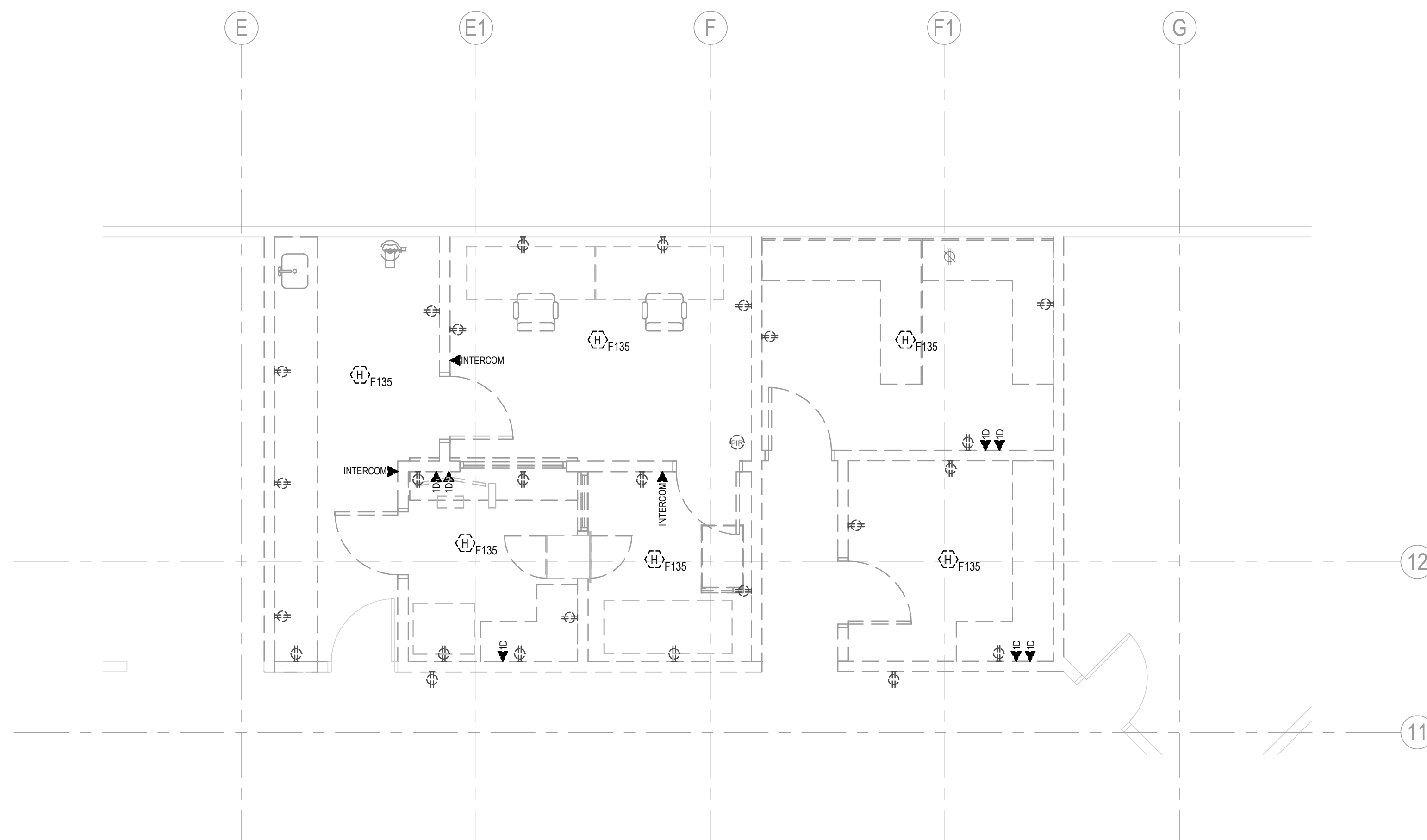
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NAPRA Pharmacy Renovation

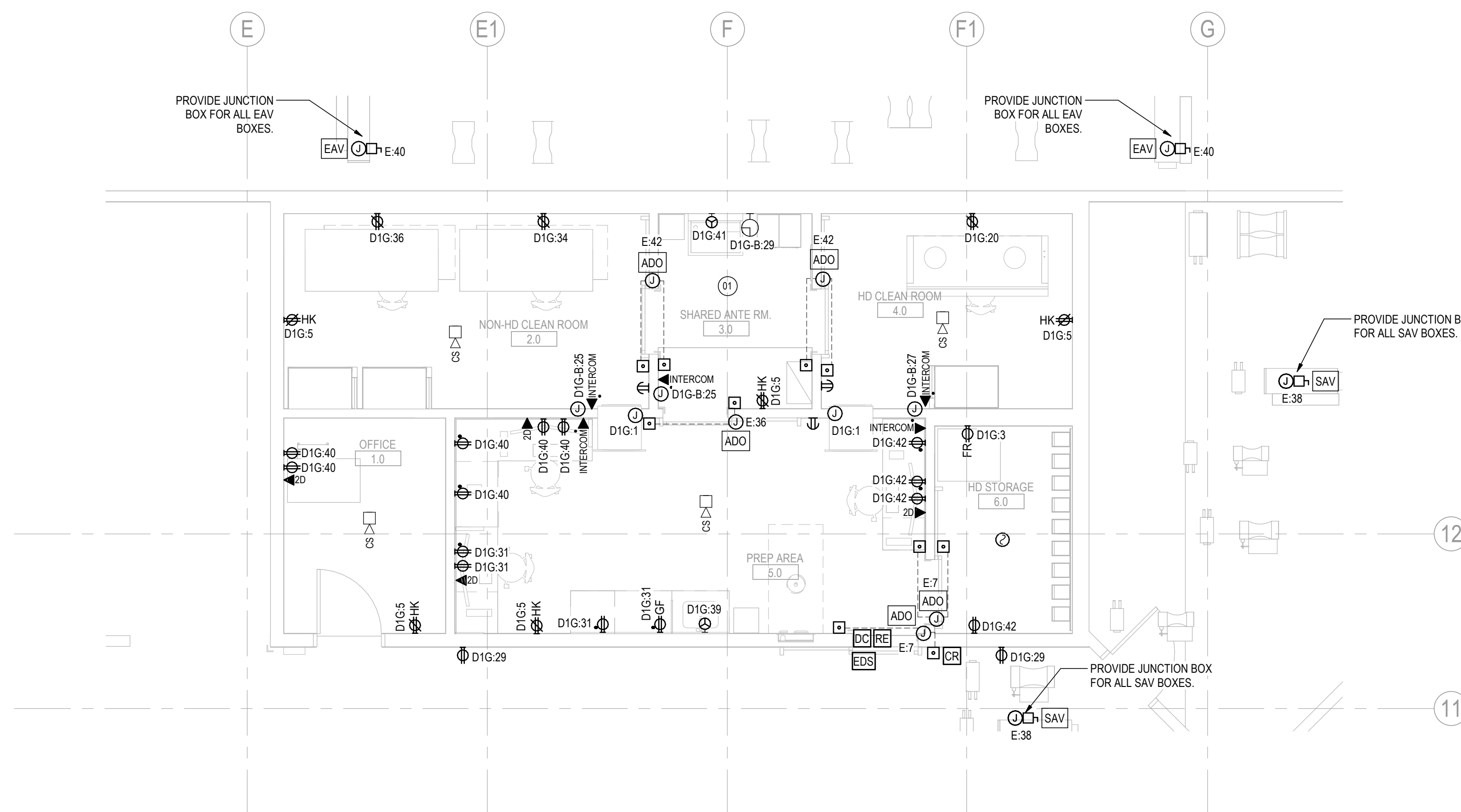
1475 Edmonton St, Prince George, BC V2M 1S2

Title
POWER AND SYSTEMS FLOOR PLAN -
PHARMACY

Project No. 144320228	Scale As indicated
Revision A	Drawing No. E100

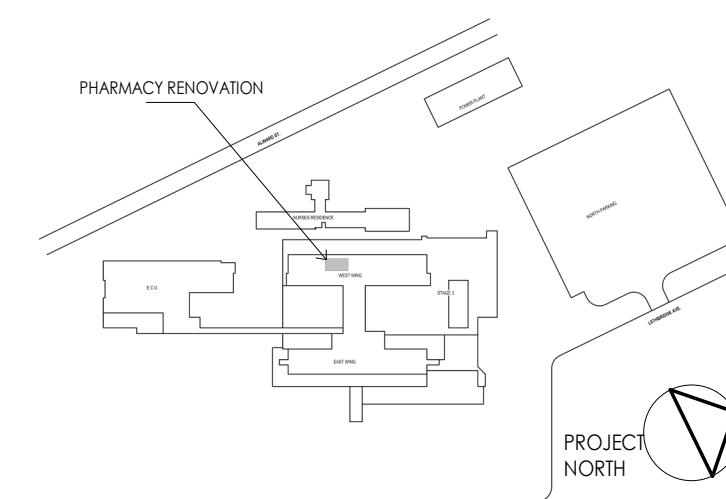


1
PHARMACY POWER AND SYSTEMS DEMO PLAN
E100
1 : 50



2 PHARMACY POWER AND SYSTEMS NEW PLAN
E100 1 : 50

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Notes

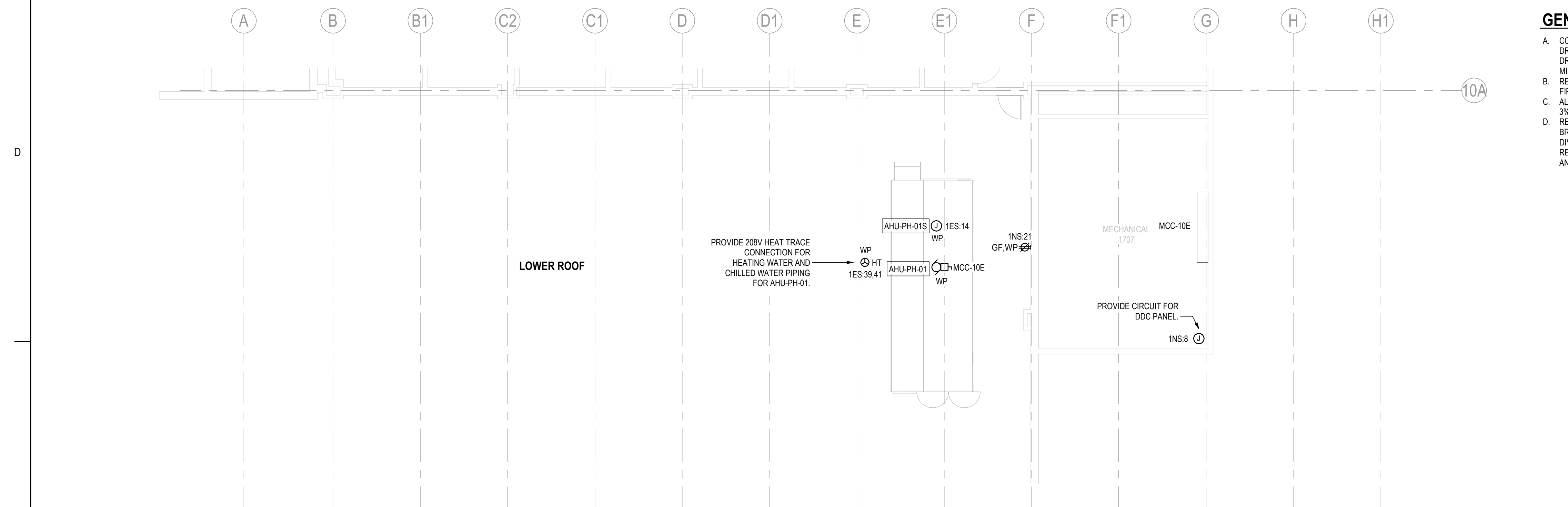
A	ISSUED FOR TENDER	BH	TF	2023.09.08
	Issued/Revision	By	Appd	YYYY.MM.DD.



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Project No. 144320228	Scale As indicated
Revision A	Drawing No. E101



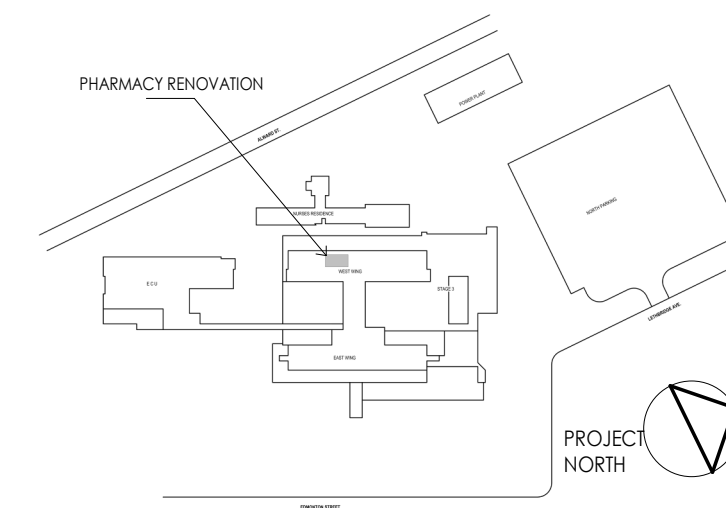
1 E101 **LEVEL 1 - LOWER ROOF POWER PLAN**



2 E101 1 : 100 **LEVEL 3 - UPPER ROOF POWER PLAN**

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Notes



A	ISSUED FOR TENDER	BH	TF					2023.09.08
	Issued/Revision	By	Appd					YYYY.MM.JJ

2023-09-08
Stantec Permit #: 10028

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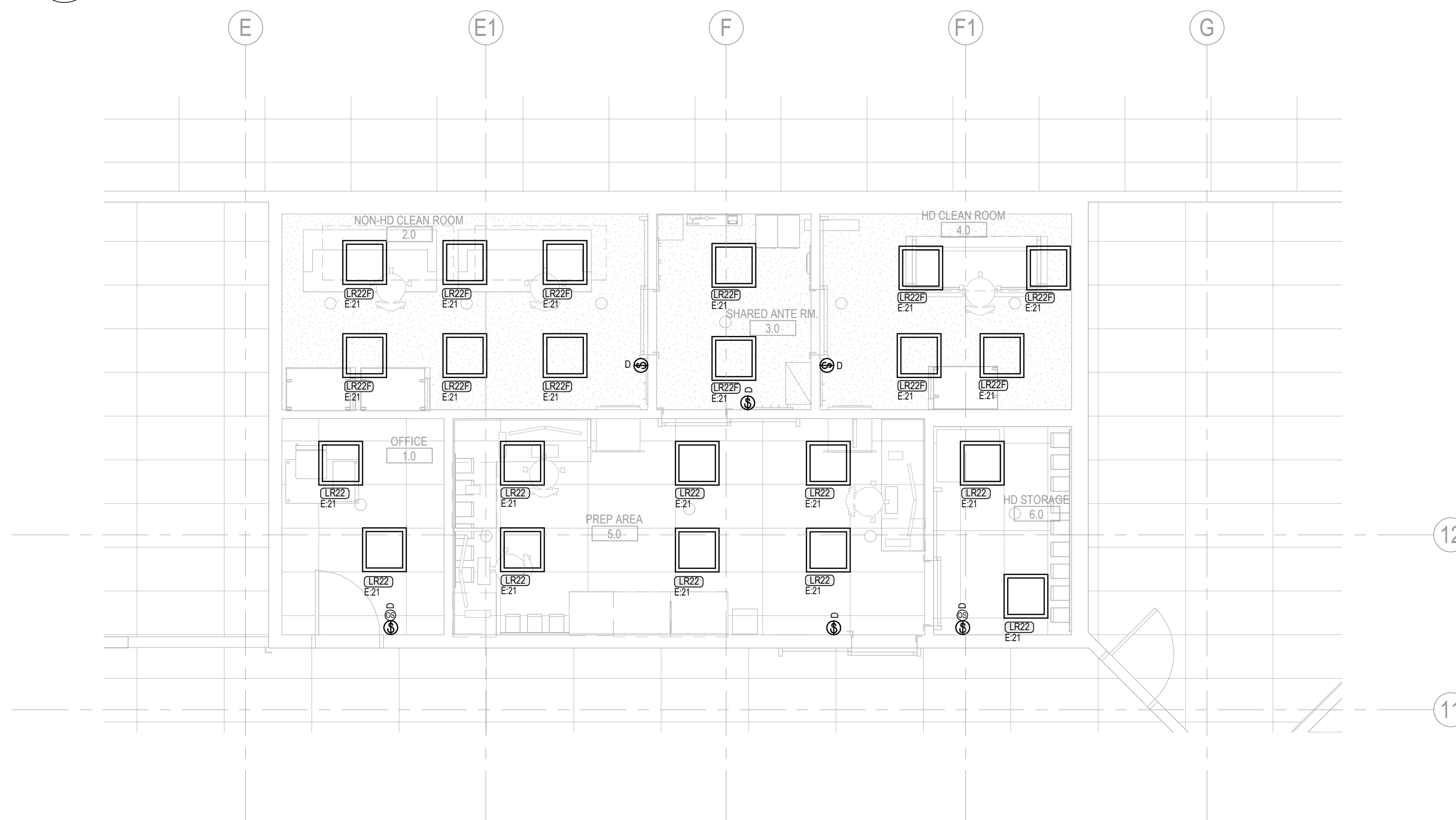
Title
LIGHTING PLAN - PHARMACY

Project No. 144320228	Scale As indicated
Revision A	Drawing No. E200

- A. THE INFORMATION ON EXISTING DEVICES AND EQUIPMENT PROVIDED ON THIS DRAWING IS A COMPILATION OF DATA FROM EXISTING DRAWINGS AND SITE INVESTIGATIONS. THE CONTRACTOR IS REQUIRED TO REVIEW THE EXISTING SITE CONDITIONS AND DETERMINE THE EXTENT OF DEMOLITION REQUIRED PRIOR TO SUBMITTING A PRICE. EXISTING DEVICES NOT SHOWN BUT REQUIRING REMOVAL WILL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER. DEVICES NOT NOTED THAT REQUIRE REMOVAL OR RELOCATION WILL BE ASSESSED ON SITE DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- B. GENERAL ELECTRICAL: UNLESS OTHERWISE NOTED AS 'EX' OR 'RL' ON THE PLANS, ALL EXISTING ELECTRICAL EQUIPMENT ON WALLS/CEILING/TO BE DEMOLISHED.
- C. REMOVE ANY REDUNDANT RACEWAY/WIRING AND CORRECT ANY NON-COMPLIANT INSTALLATIONS. IN THE EVENT OF UNEXPECTED FINDINGS REGARDING HIDDEN NON-COMPLIANT INSTALLATIONS FROM THE PAST, CONTRACTOR TO IMMEDIATELY BRING THE EXTENT OF WORK TO THE ATTENTION OF THE CONSTRUCTION MANAGER FOR REVIEW AND TO DETERMINE THE PROCEDURE FOR CORRECTING THE INSTALLATIONS.
- D. THE OWNER HAS THE RIGHT TO FIRST REFUSAL FOR ALL REMOVED EQUIPMENT (LIGHTS, PLUGS, ETC.) AND REMOVED EQUIPMENT NOT CLAIMED BY THE OWNER IS TO BE DISPOSED OF BY THE CONTRACTOR.
- E. UPDATE PANEL SCHEDULE TO REFLECT ADDITIONAL CIRCUIT REQUIREMENTS. FIELD CHECK & CONFIRM AVAILABLE SPACE & SPARE CIRCUITS.
- F. LIGHTING DEMO PHASING PLAN: REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PHASING PLAN FOR WALLS AND CEILINGS. COORDINATE WITH CONTRACTORS FROM OTHER DISCIPLINE TO MAKE A CONFLICT AND DEMO SEQUENCE DURING TEMP. PHASES.
 - a. PHASE I: REMOVE ALL EXISTING LIGHTING FIXTURES, EXIT SIGNS AND LIGHTING SWITCHES AS INDICATED IN THE DRAWINGS.
 - b. PHASE II: PROVIDE LIGHTING FIXTURES AND SWITCHES AS INDICATED IN THE DRAWINGS.
 - c. PHASE III: REMOVE THE GASKET FIXTURES F1 IN TEMP MIXING ROOM AND ANITE ROOM CAREFULLY AND REUSE THEM IN THE NEW PHARMACY. PROVIDE FIXTURE TYPE F2 IN THE OFFICE AFTER THE TEMP. WALLS ARE REMOVED.

1. COORDINATE ALL WORK WITH THE TRADES (MECHANICAL, FIRE PROTECTION, ARCHITECTURAL, INTERIOR DESIGN, ETC.) ON SITE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE-RATED WALL/FLOOR PENETRATIONS DETAILS. FIRESTOP ANY PENETRATIONS MADE THROUGH FIRE SEPARATIONS.
3. ALL LIGHTING CONDUCTORS SHALL BE SIZED AS REQUIRED TO LIMIT VOLTAGE DROP TO A MAXIMUM OF 3%.
4. RETAIN A QUALIFIED PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO DESIGN AND REVIEW SEISMIC RESTRAINTS FOR ALL WORK ASSOCIATED WITH DIVISION 26 (LUMINAIRES, CONDUIT SUPPORTS, ETC.). THE STRUCTURAL ENGINEER SHALL DESIGN, REVIEW/SUPERVISE THE INSTALLATIONS AND SUBMIT THE LETTERS OF ASSURANCE (L.O.S.'S) S-B AND S-C TO THE ELECTRICAL ENGINEER.
5. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM ABOVE FINISHED FLOOR TO THE BOTTOM OF THE LUMINAIRE.
6. ALL EXISTING DEVICES ARE SHOWN IN APPROXIMATE LOCATIONS. CONTRACTOR SHALL VERIFY EXACT LOCATIONS AS REQUIRED. WHERE FIRE ALARM SPEAKERS OR EXIT SIGNS WILL BE OBTURED BY THE EXISTING ALARM OR EXIT SIGNS, THE CONTRACTOR SHALL RELOCATE THE SPEAKERS OR EXIT SIGNS TO NEW STRUCTURES. THESE FIRE ALARM SPEAKERS AND EXIT SIGNS SHALL BE RELOCATED TO A LOCATION AS NEAR TO THE ORIGINAL LOCATION AS POSSIBLE BUT WITHOUT BEING OBTURED BY THE NEW STRUCTURE.
7. LIGHTING CONTROL DEVICES ARE SHOWN DIAGRAMMATICALLY TO SHOW DESIGN INTENT. ZONES DEDICATED TO A NUMBER OF RELAYS ARE REQUIRED ON LIGHTING CONTROL DEVICES ARE SHOWN IN LETTERS ADJACENT TO DEVICE ON PLAN. LETTERS NEXT TO LUMINAIRES DENOTE THEY ARE CONTROLLED BY THE DEVICE. WHERE DIMMERS ARE SHOWN TO PROVIDE CONTROL TO MORE THAN ONE ZONE, EACH ZONE SHALL HAVE ITS OWN DIMMER. WHEN OCCUPANCY/DAYLIGHT SENSOR IS SHOWN CONTRACTOR SHALL COORDINATE ON SITE AND WITH MANUFACTURERS RECOMMENDATIONS FOR PLACEMENT OF THE SENSOR TO PROVIDE THE MOST APPROPRIATE INTENT. IF REQUIRED, LARGE ROOM OR ROOMS WITH ABNORMAL LAYOUTS SHALL HAVE MORE THAN ONE OCCUPANCY SENSOR.

1 : 50



1 : 50

Stantec												Panel											
Name: E				Volts: 208Y/120V				Mains Type: MLO				Type:											
Location:				Phases: 3				Mains... 225 A				AIC Rating:											
Supply...				Wires: 4				Max Rating: 200 A				Mounting: Surface											
Serves:								Lugs: Single Lugs				Enclosure: Type 1											
Notes:																							
CKT	Circuit Description			Trip	Pole s	CB	A		B		C		CB	Pole s	Trip	Circuit Description			CKT				
1	LIGHTS CORRIDOR			15 A	1	--	0	0					--	1	15 A	ESSENTIAL LIGHTS			2				
3	LIGHTS CORRIDOR			15 A	1	--			0	0			--	1	15 A	HEAT TAPE GRBG RM DOCK LGT			4				
5	ESSENTIAL LIGHTS			15 A	1	--					0	0	--	1	15 A	UPRIGHT FRIDGE PLUG IN CORR			6				
7	ADO HD STORAGE/PREP AREA			15 A	1	--	0	0					--	1	15 A	WASHROOM LIGHTS			8				
9	SANIPAR MEAT TAPE			20 A	1	--			0	0			--	1	15 A	SPD CHANGE ROOM			10				
11	PNEUMATIC TUBE RM			15 A	1	--					0	0	--	1	15 A	LIGHT LOADING DOOR			12				
13	PRINT RM PLUGS			15 A	1	--	0	0					--	1	15 A	CORRIDOR LIGHTS			14				
15	STORAGE PLUGS			15 A	1	--			0	0			--	3	70 A	PANEL EE			16				
17	LIGHTS IN PHARMACY			15 A	1	--					0	0	--	--	--				18				
19	LIGHTS IN PHARMACY AND STORES			15 A	1	--	0	0					--	--	--				20				
21	LIGHTING PHARMACY			15 A	1	--			627	0			--	1	15 A	UNIT HEATER			22				
23	FRIDGE PLUG PHARMACY			15 A	1	--					0	0	--	1	15 A	LTG STORAGE ROOM & PHARM			24				
25	FRIDGE PLUG PHARMACY			15 A	1	--	0	0					--	1	15 A	SOILED LAUNDRY LIGHTS			26				
27	FRIDGE PLUG PHARMACY			15 A	2	--			0	0			--	1	15 A	SOILED LAUNDRY LIGHTS			28				
29				--	--	--					0	0	--	1	15 A	PIXIS & PREPACK PLUG			30				
31	SANI-PAK GARBAGE COMPACTOR			70 A	3	--	0	0					--	1	15 A	FASTPAK EQUIP			32				
33				--	--	--			0	0			--	1	15 A	FAX MACHINE WORK STATION			34				
35				--	--	--					0	0	--	1	15 A	ADO PREP SPACE/ANTE RM			36				
37	DISPENSARY PLUGS			15 A	1	--	0	240					--	1	15 A	SAV BOXES			38				
39	PRE-PACK NARCOTICS PLUGS			15 A	1	--			0	240			--	1	15 A	EAV BOXES			40				
41	DOE PRINTERS X3			15 A	1	--					0	0	--	1	15 A	ADO CLEAN ROOMS			42				
Total Load:							0.24 kVA		0.87 kVA		0.00 kVA												
Total Amps:							2 A		8 A		0 A												
Load Classification							Connected Load		Demand Factor		Estimated Demand		Panel Totals										
Lighting							627 VA		125.00%		784 VA												
Other							480 VA		100.00%		480 VA												
													Total Conn. Load: 1107 VA										
													Total Est. Demand: 1264 VA										
													Total Conn.: 3 A										
													Total Est. Demand: 4 A										
CB Legend (blank = circuit breaker):																							
G = GFCL S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Rated † = Existing Circuit ‡ = Revised Circuit																							
Notes:																							

Stantec												Panel											
Name: D1G				Volts: 208Y/120V				Mains Type: MLO				Type:											
Location:				Phases: 3				Mains... 225 A				AIC Rating:											
Supply...				Wires: 4				Max Rating: 200 A				Mounting: Surface											
Serves:								Lugs: Single Lugs				Enclosure: Type 1											
Notes:																							
CKT	Circuit Description			Trip	Pole s	CB	A		B		C		CB	Pole s	Trip	Circuit Description			CKT				
1	PASS-THROUGHS			15 A	1	--	0	0					--	1	15 A	PLUGS BULK RM, ENTRANCE			2				
3	FRIDGE STORAGE ROOM			15 A	1	--			600	0			--	1	15 A	STRG. COUNTER PLUG PRE-PACK			4				
5	HK RECEPT PHARMACY			20 A	1	--					1500	0	--	1	15 A	COUNTER PLUGS PRE PACK RM			6				
7	STRG. COUNTER RCPT PRE-PACK			15 A	1	--	0	0					--	1	15 A	PLUGS IN DISPENSARY CORNER			8				
9	HALL AND COUNTER RCPT ANTE...			15 A	1	--			0	0			--	1	15 A	COUNTER PLUG NARCOTICS			10				
11	LTG M11,M12,M15,M16,M17,M19,M20			15 A	1	--					0	0	--	1	15 A	COUNTER PLUG PRE-PACK RM			12				
13	LIGHTS M1,M2,M3,M13,M6,M7			15 A	1	--	0	0					--	1	15 A	PLUGS WAITING, COUNSELING			14				
15	LIGHTS IN M2,M3,M5,M8,M18			15 A	1	--			0	0			--	1	15 A	PLUG ON DISPENSARY COUNTER			16				
17	LOCKER RM PLUGS, PHARMACY			15 A	1	--					0	0	--	1	20 A	PLUGS IN DISPENSARY, COUNTER			18				
19	TELEPHONE POLES			15 A	1	--	0	300					--	1	20 A	HD CLEAN ROOM HOOD			20				
21	WALL RECEPTION PLUGS			15 A	1	--			0	0			--	1	15 A	PHOTO COPY PLUG IN RECEPTION			22				
23	MM, OFFICE WORKSTATION			15 A	1	--					0	0	--	1	15 A	COUNTER PLUGS IN RECEPTION			24				
25	DED-KITCHEN COUNTER			15 A	1	--	0	0					--	1	15 A	FRIDGE			26				
27	DED-KITCHEN COUNTER			15 A	1	--			0	0			--	1	15 A	WORKSTATION PLUG, OFFICE			28				
29	RECEPTACLES HALLWAY			15 A	1	--					360	0	--	1	15 A	WORKSTATION PLUG, OFFICE			30				
31	WORKSTATION/COUNTER RCPT			15 A	1	--	720	0					--	1	15 A	COUNTER PLUGS INFO, OFFICE			32				
33	SPARE			15 A	3	--			0	300			1	20 A	NON HD CLEAN ROOM HOOD			34					
35	--			--	--	--					0	300	1	20 A	NON HD CLEAN ROOM HOOD			36					
37	--			--	--	--	0	0					--	1	20 A	SPARE			38				
39	PHARMACY SINK			15 A	1	--			500	1080			1	15 A	WORKSTATION RECEPTACLES			40					
41	SHARED ANTE RM SINK			15 A	1	--					500	720	1	15 A	WORKSTATION/STRG RECEPT			42					
Total Load:							1.02 kVA		2.48 kVA		3.38 kVA												
Total Amps:							9 A		23 A		30 A												
Load Classification							Connected Load		Demand Factor		Estimated Demand		Panel Totals										
Other							0 VA		0.00%		0 VA												
Receptacle							3700 VA		100.00%		3700 VA		Total Conn. Load: 6880 VA										
Receptacle (V)							2400 VA		100.00%		2400 VA		Total Est. Demand: 6880 VA										
Receptacle GFCI							780 VA		100.00%		780 VA		Total Conn.: 19 A										
													Total Est. Demand: 19 A										
CB Legend (blank = circuit breaker):																							
G = GFCI S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Circuit † = Existing Circuit ‡ = Revised Circuit																							
Notes:																							

D

C

B

A

Check location in Project Information
9/19/2023 2:20:08 PM

ORIGINAL SHEET - ARCH D

1

2

3

4

5



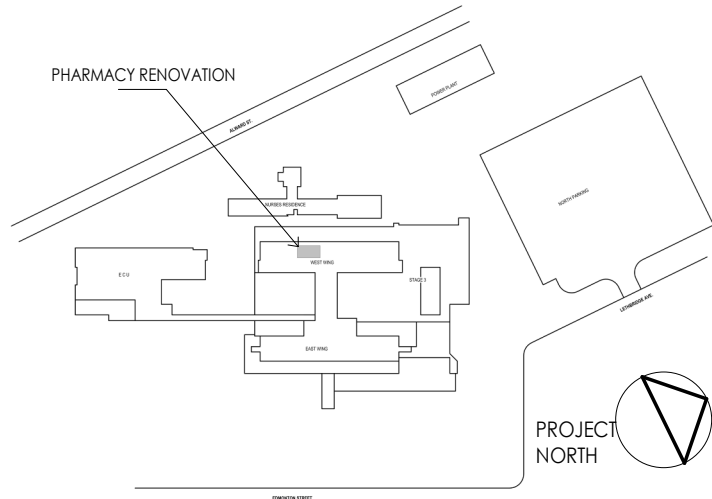
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Notes



MECHANICAL EQUIPMENT SCHEDULE																																			
EQUIPMENT ID	UNIT DESCRIPTION	LOCATION	VOLTAGE (V)	Ø	HZ	HP	FLA	LOAD	MCA	MOP	STARTER				CONTROLS				DISCONNECT			ACCESSORIES	INTERFACE REQ'D	AUTO ON	AUTO OFF	REMOT E HOA	DUCT SMOKE DET.	PWR SOURCE TYPE	PANEL	BREAKER	CONDUCTOR SIZE	CONDUIT SIZE	NOTES		
											GROUPING	TYPE	SUPPLIED	INSTALLED	WIRED	SIZE	TYPE(S)	SUPPLIED	INSTALLED	WIRED	SUPPLIED													INSTALLED	WIRED
AHU-PH-01	PHARMACY AIR HANDLING UNIT	LEVEL 1 LOWER ROOF	600 V	3	60 Hz	0	0.0 A	11200 W	21 A	25 A							BAS	M	M	M	E	E	E		No	No	No	No	No	VITAL	MCC-10E	25A/3P	3c#10 + BOND	21mm	
AHU-PH-01S	AHU-PH-01 LIGHT PLUGS CIRCUIT	LEVEL 1 LOWER ROOF	120 V	1	60 Hz	0	0.0 A	1400 W	0 A	0 A							BAS	M	M	M	E	E	E		No	No	No	No	No	VITAL	1ES	15A/1P	2c#12 + BOND	21mm	
EAV BOX	EXHAUST AIR VALVE BOX CONNECTION	LEVEL 0 PHARMACY	120 V	1	60 Hz	0	1.0 A	120 W	0 A	0 A							BAS	M	M	M	E	E	E		No	No	No	No	No	VITAL	E	15A/1P	2c#12 + BOND	21mm	
EAV BOX	EXHAUST AIR VALVE BOX CONNECTION	LEVEL 0 PHARMACY	120 V	1	60 Hz	0	1.0 A	120 W	0 A	0 A							BAS	M	M	M	E	E	E		No	No	No	No	No	VITAL	E	15A/1P	2c#12 + BOND	21mm	
EF-PH-01A	HIGH PLUME EXHAUST FAN	LEVEL 3 UPPER ROOF	600 V	3	60 Hz	5	6.1 A	4052 W	15 A	15 A	PCS1	VSD	M	M	E		BAS	M	M	M	E	E	E		No	No	No	No	No	VITAL	MCC-10E	15A/3P	3c#12+ BOND	21mm	
EF-PH-01B	HIGH PLUME EXHAUST FAN	LEVEL 3 UPPER ROOF	600 V	3	60 Hz	5	6.1 A	4052 W	15 A	15 A	PCS1	VSD	M	M	E		BAS	M	M	M	E	E	E		No	No	No	No	No	VITAL	MCC-10E	15A/3P	3c#12 + BOND	21mm	
SAV BOX	SUPPLY AIR VALVE BOX CONNECTIONS	LEVEL 0 PHARMACY	120 V	1	60 Hz	0	1.0 A	120 W	0 A	0 A							BAS	M	M	M	E	E	E		No	No	No	No	No	VITAL	E	15A/1P	2c#12 + BOND	21mm	
SAV BOX	SUPPLY AIR VALVE BOX CONNECTIONS	LEVEL 0 PHARMACY	120 V	1	60 Hz	0	1.0 A	120 W	0 A	0 A							BAS	M	M	M	E	E	E		No	No	No	No	No	VITAL	E	15A/1P	2c#12 + BOND	21mm	

ABBREVIATIONS:

GENERAL:

M MECHANICAL (DIVISIONS 21/22/23/25)
E ELECTRICAL (DIVISION 26)
FLA FULL LOAD AMPACITY
MCA MINIMUM CIRCUIT AMPACITY
MOP MAXIMUM OVERCURRENT PROTECTION DEVICE
BAS BUILDING AUTOMATION SYSTEM
CACF CENTRAL ALARM & CONTROL FACILITY (FIRE ALARM)
CDP CENTRAL DISTRIBUTION PANEL
FVNR FULL VOLTAGE, NON REVERSING
O/C OVERCURRENT
O/L OVERLOAD

CONTROLS:

BAS BUILDING AUTOMATION SYSTEM (DDC)
CP SYSTEM CONTROL PANEL (EG IRRIGATION CONTROLLER)
ES END SWITCH
FA FIRE ALARM (CONTROL MODULE)
FAPS FIRE ALARM (WET SPRINKLER) FLOW SWITCH
FALS FIRE ALARM (SPRINKLER RESERVOIR) LEVEL SWITCH
FAPS FIRE ALARM (DRY SPRINKLER) PRESSURE SYSTEM
FATS FIRE ALARM (SPRINKLER VALVE) TAMPER SWITCH
GS GAS SENSOR
H HUMIDISTAT
I INTERLOCK
LS LEVEL SWITCH
TC TIME CLOCK
T THERMOSTAT
VS VARIABLE SPEED SWITCH
WS WALL SWITCH

STARTER TYPE:

MAN MANUAL (c/w O/L)
MRR MOTOR RATED RELAY (NC/NO)
MAG MAGNETIC (FVNR)
MAG2 MAGNETIC (TWO SPEED)
FVR MAGNETIC, FULL VOLTAGE REVERSING
RVVD REDUCED VOLTAGE (WYE-DELTA)
RVAT REDUCED VOLTAGE (AUTOTRANSFORMER)
RVPW REDUCED VOLTAGE (PART WINDING)
RVSS REDUCED VOLTAGE (SOFT STARTER)
VSD VARIABLE SPEED DRIVE
VFD VARIABLE FREQUENCY DRIVE

STARTER GROUPING:

PCS1 PACKAGED CONTROL SYSTEM (INTEGRAL TO LOAD(S))
PCS2 PACKAGED CONTROL SYSTEM (SEPARATE FROM LOADS)
MCC MOTOR CONTROL CENTRE
MDC MOTOR DISTRIBUTION CENTRE
(FOUR-PLEX OR SIMILAR SMALL GROUPED MOTOR CONTROL)
LOOSE INDIVIDUALLY-MOUNTED MOTOR STARTER/RELAY/VSD

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Northern Health Authority

UHNBC(University Hospital of Northern BC)-
NAPRA Pharmacy Renovation

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Title

LUMINAIRE AND MECHANICAL
SCHEDULES

Project No.

144320228

Revision

A

Scale

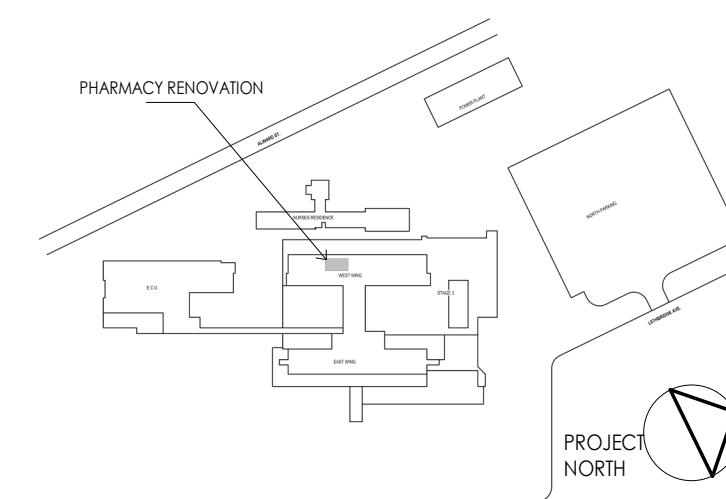
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Drawing No.

E301

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Title
ELECTRICAL DETAILS

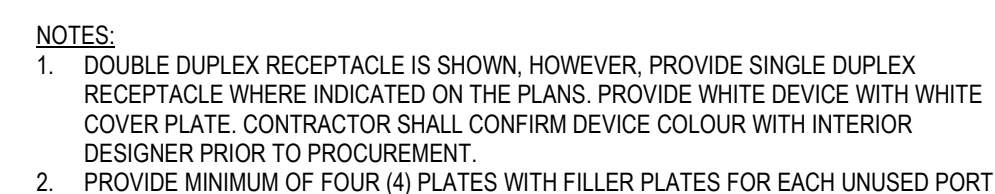
Project No. 144320228	Scale N.T.S
Revision A	Drawing No. E400



E400	N.T.S
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4	DC
E400	N.T.S



2 **WA**
E400 N.T.S.



E400	N.T.S
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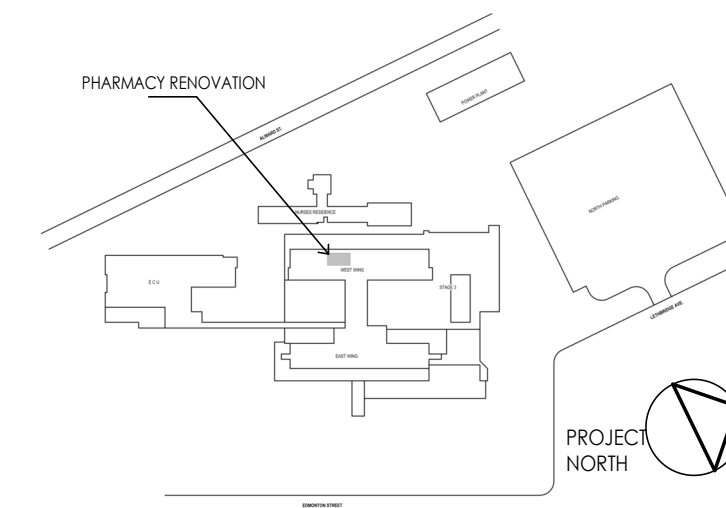
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Issued/Revision		By	Appd
			2023.09.08
			YYYY.MM.DD

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LEVEL 1 PLAN

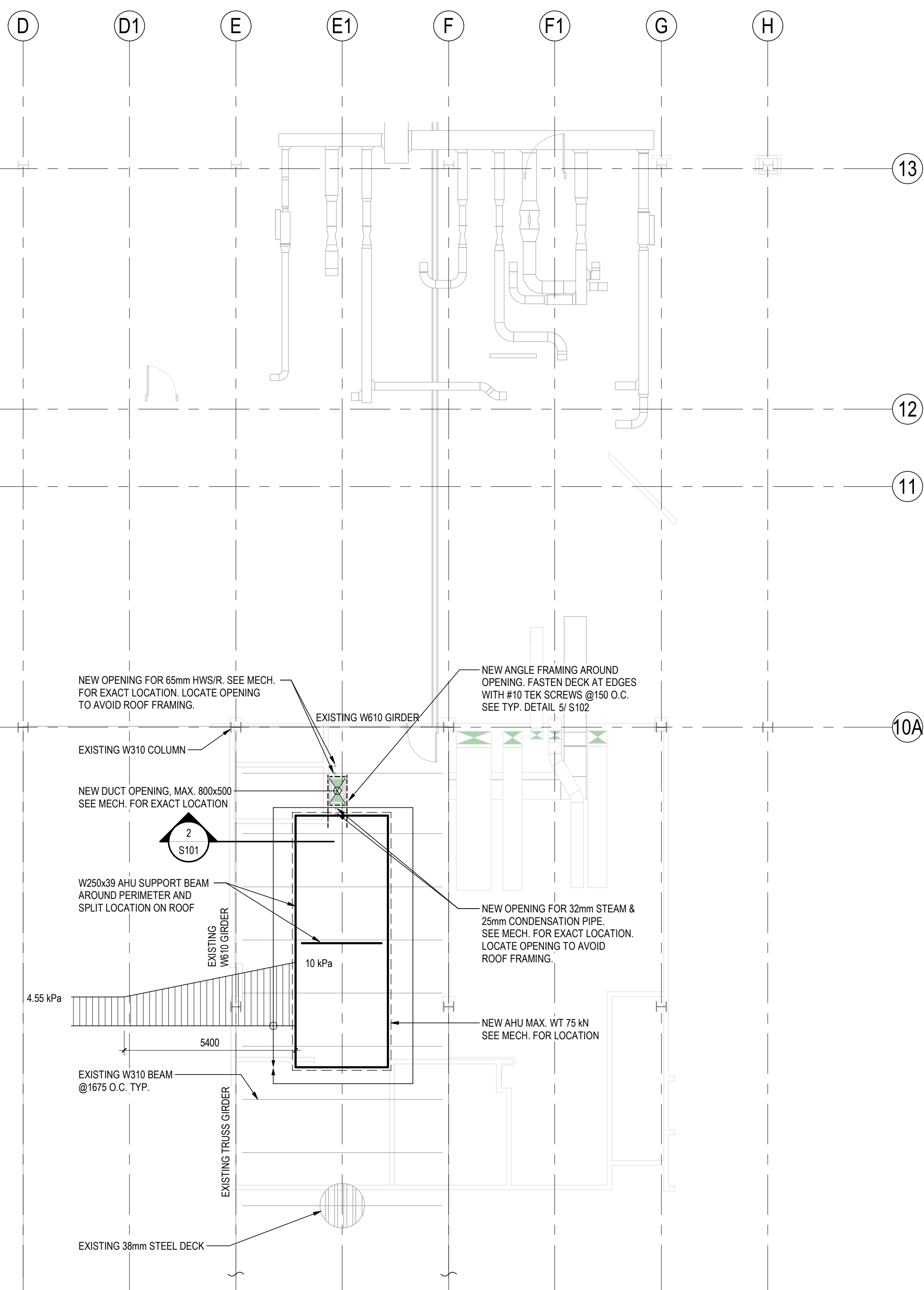
Project No.
144320228

Revision
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Scale
As indicated

Drawing No.

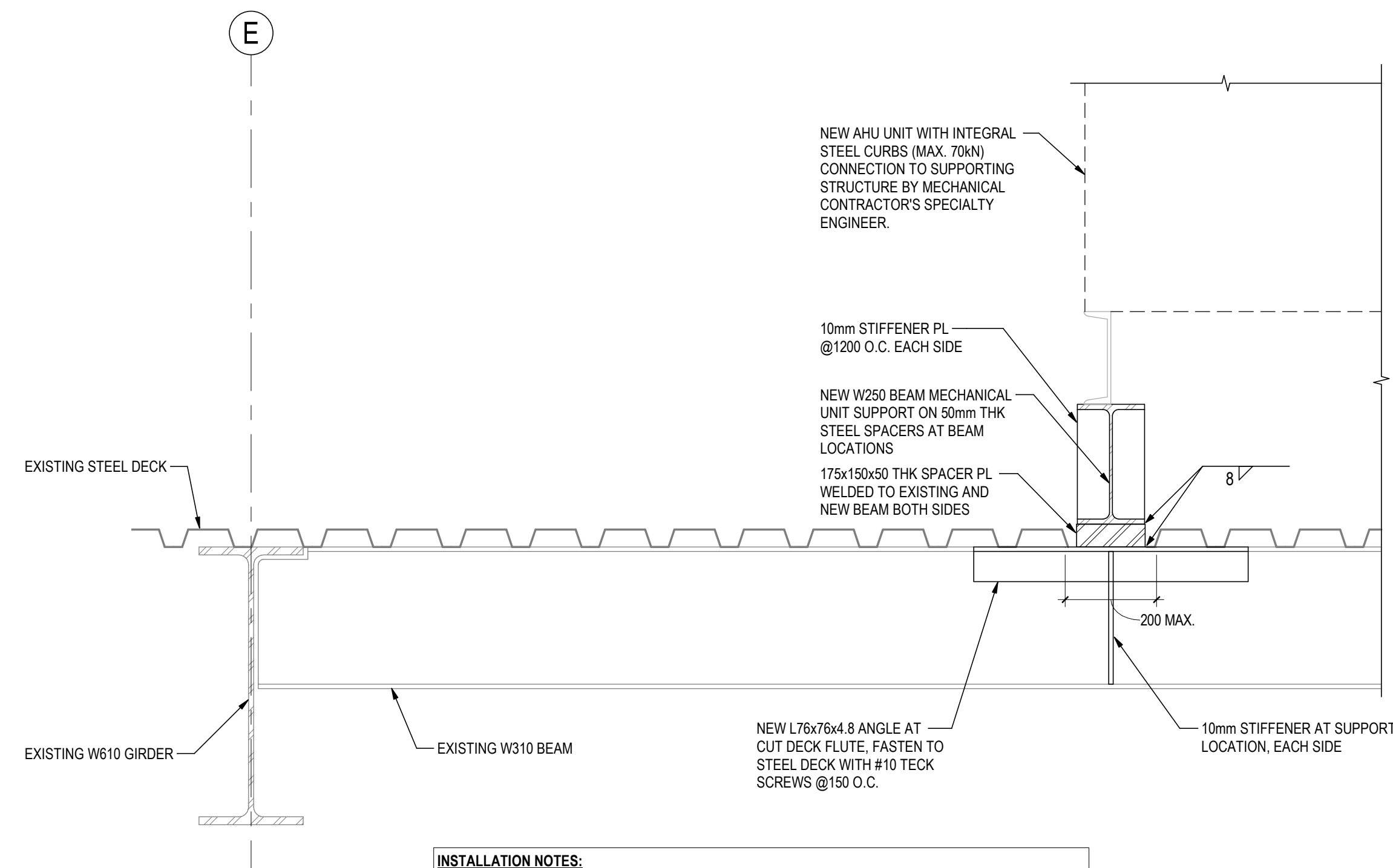
\$10⁷



1 PARTIAL LOWER ROOF PLAN
S101 1 : 100

NOTES:

1. ALL EXPOSED STEEL AND THEIR CONNECTION TO BE HOT DIPPED GALVANIZED.
2. SEE ARCH. FOR WATERPROOFING AND INSULATION REQUIREMENTS.
3. SITE CONFIRM EXISTING ROOF FRAMING AND LOCATE DUCT AND PIPE OPENINGS TO AVOID INTERFERENCE
4. COORDINATE MECHANICAL EQUIPMENT AND SUPPORT STRUCTURE LOCATION WITH MECHANICAL DRAWING



2 SECTION
S101 1 : 10

INSTALLATION NOTES:

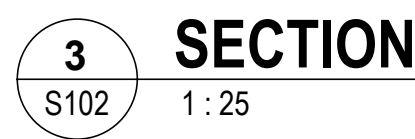
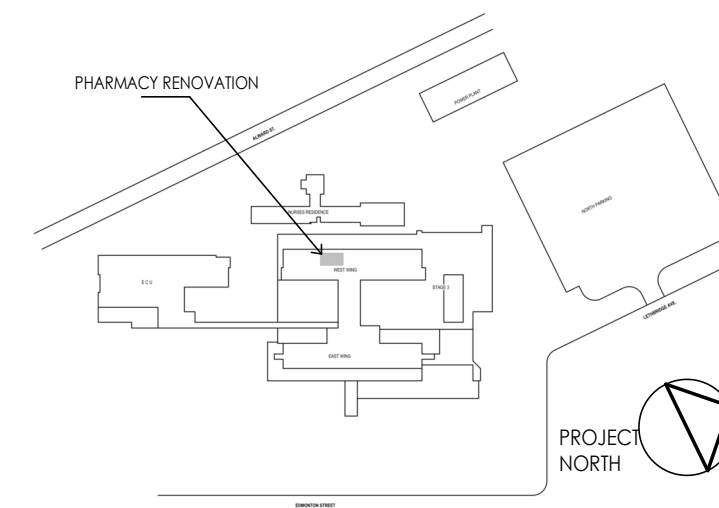
1. REMOVE ROOFING AND CUT MAX 1 TOP FLUTE AT EXISTING BEAM LOCATION.
2. ADD STIFFENERS AT EXISTING BEAM FRAMING SUPPORT LOCATIONS EACH SIDE.
3. ADD 600mm LONG ANGLE AT U.S. OF STEEL TO SUPPORT STEEL DECK.
4. INSTALL SPACER PL AND NEW MECHANICAL UNIT SUPPORT FRAMING TO EXISTING STRUCTURE.
5. ALL EXPOSED STEEL AND THEIR CONNECTION TO BE HOT DIPPED GALVANIZED.
6. SEE ARCH. FOR WATERPROOFING AND INSULATION REQUIREMENTS.
7. SITE CONFIRM DECK AND ROOFING THICKNESSES AND NOTIFY ENGINEER FOR ANY DISCREPANCY.

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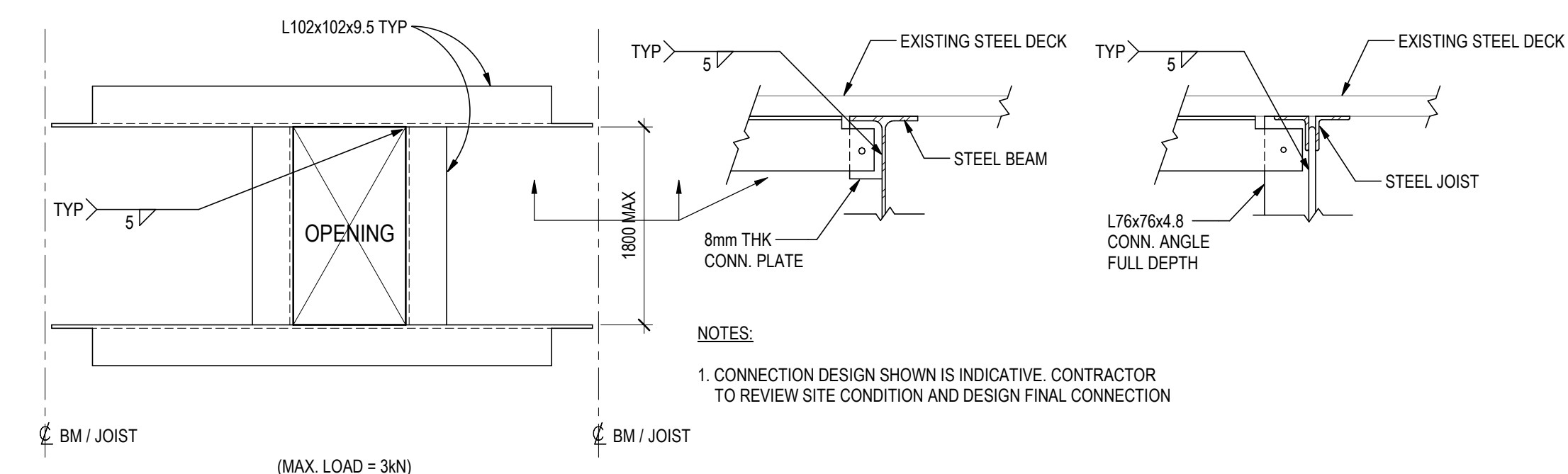
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Notes



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2. SEE ARCH. FOR WATERPROOFING AND INSULATION REQUIREMENTS.
3. SITE CONFIRM EXISTING ROOF FRAMING AND LOCATE DUCT AND PIPE OPENINGS TO AVOID INTERFERENCE.
4. COORDINATE MECHANICAL EQUIPMENT AND SUPPORT STRUCTURE LOCATION WITH MECHANICAL DRAWING.



NOTES:

1. CONNECTION DESIGN SHOWN IS INDICATIVE. CONTRACTOR TO REVIEW SITE CONDITION AND DESIGN FINAL CONNECTION

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Project No.
14432022Revision
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Scale
As indicated

Drawing No.

Drawing No.

S102