

# Dectron Unit Replacement

## Century Gardens Recreation Centre

340 Vodden Street East, Brampton, Ontario L6V 2N2

DO NOT SCALE THE DRAWINGS.  
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.  
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.  
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



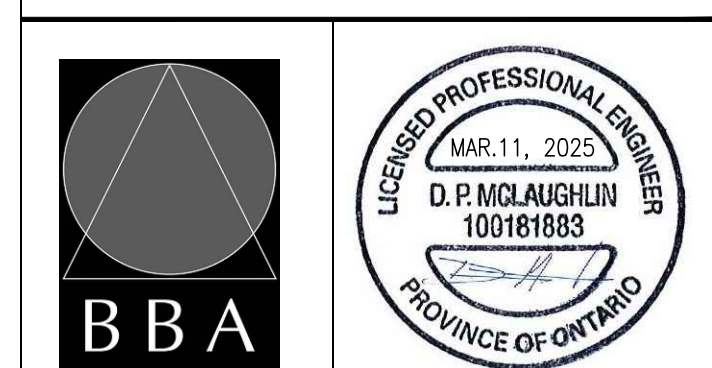
NO.	ISSUES	DATE	BY
1	ISSUED FOR 90% REVIEW	JUNE 12, 2024	BBA
2	ISSUED FOR TENDER	MAR 12, 2025	BBA

NO.	REVISIONS	DATE	BY

NO.	REVISIONS	DATE	BY

PROJECT:  
**DECTRON UNIT REPLACEMENT**  
CENTURY GARDENS RECREATION CENTRE  
340 VODDEN STREET EAST  
BRAMPTON, ONTARIO L6V 2N2  
CITY OF BRAMPTON

DRAWING:  
**KEY PLAN, LOCATION PLAN & DRAWING LIST**



**B B A**  
BARRY BRYAN ASSOCIATES  
Architects  
Engineers  
Project Managers  
250 Water Street  
Suite 201  
Whitby, Ontario  
L1N 0G5  
Tel: (905) 666-5252  
Fax: (905) 666-5256  
e-mail: bba@bba-archeng.com

DESIGN BY: BBA	DOC CONTROL: DATE:
DRAWN BY: LQ	% COMPLETE:
CHECKED BY: DM	INITIAL:
DATE: MAY 2024	
SCALE: AS NOTED	
FILE:	

PROJECT NO: **20143.2**      DRAWING NO: **A000**

## LIST OF DRAWINGS

### ARCHITECTURAL

- A000 KEY PLAN, LOCATION PLAN & DRAWING LIST
- A201 PART ROOF DEMOLITION PLAN
- A202 PART ROOF PLAN & SECTION DETAILS
- A203 ENLARGED PLAN AND SECTIONS

### STRUCTURAL

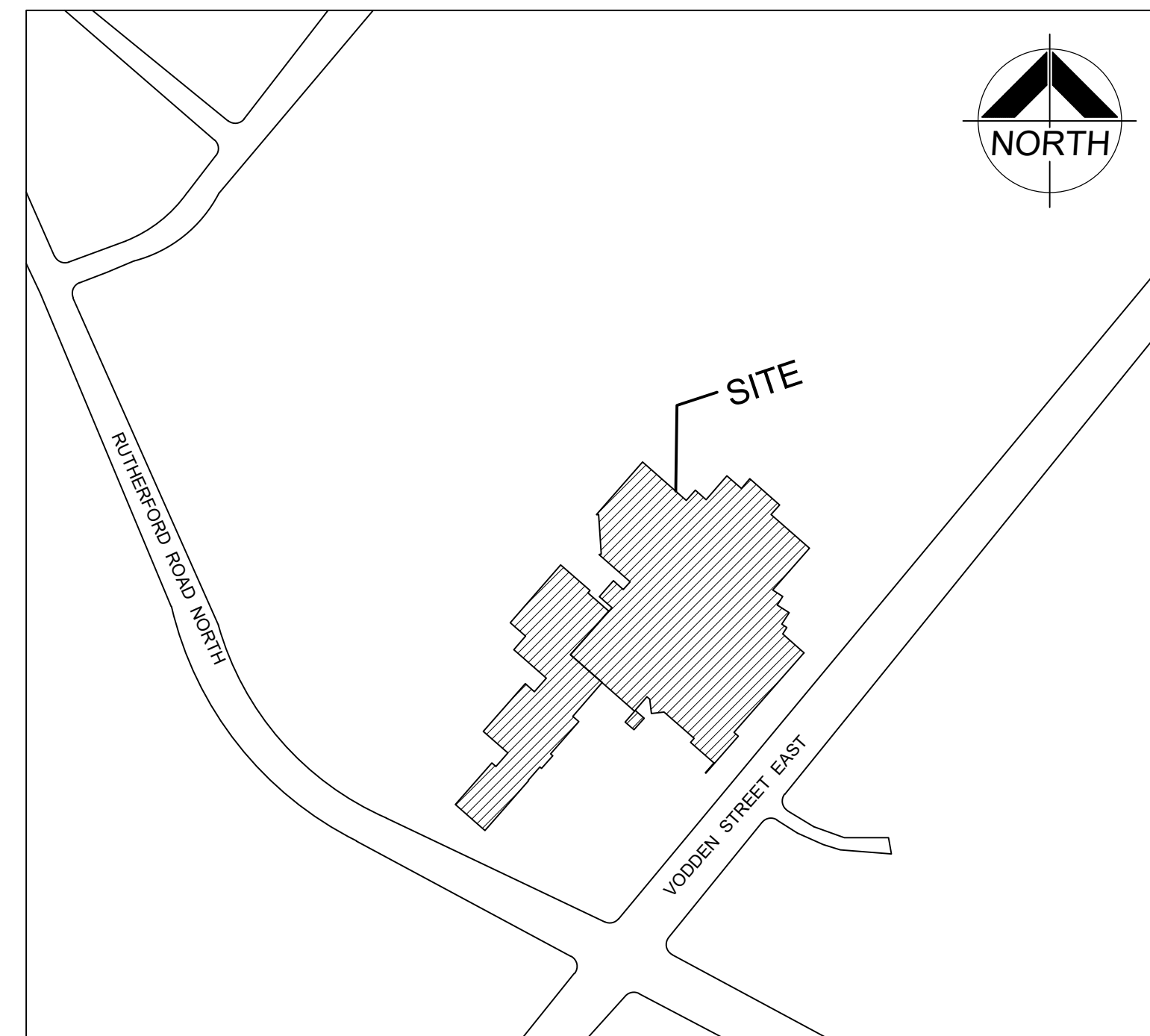
- S101 GENERAL NOTES & OVERALL ROOF PLAN
- S201 PART ROOF FRAMING DEMOLITION PLAN
- S202 PART ROOF FRAMING PLAN & SECTION DETAILS

### MECHANICAL

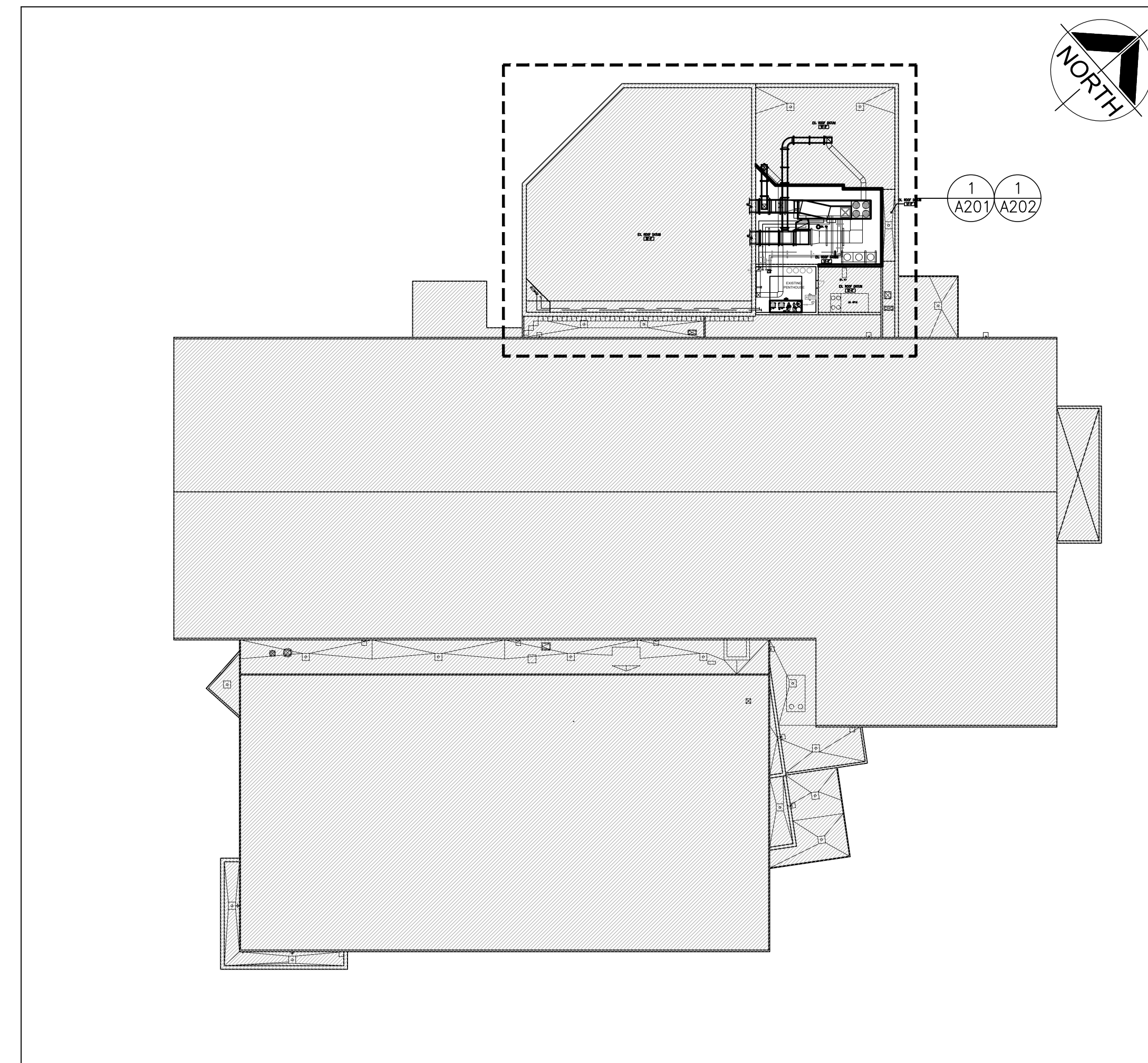
- M101 LEGEND & SCHEDULES (1 OF 2)
- M201 EXISTING ROOF PART PLAN - DEMOLITION
- M301 ROOF PART PLAN - RENOVATION
- M302 ROOF PART PLAN - RENOVATION

### ELECTRICAL

- E101 LEGEND, SCHEDULES, PART PLAN AND DETAILS
- E201 ENLARGED & PART PLANS - POWER & SYSTEMS DEMOLITION
- E301 ENLARGED & PART PLANS - POWER & SYSTEMS RENOVATION
- E401 POWER DISTRIBUTION & PANEL SCHEDULE - DEMO & RENO
- E501 ELECTRICAL SPECIFICATION



**2** A000 LOCATION PLAN  
N.T.S.



**1** A000 KEY PLAN  
1:500

ARCHITECTURAL & STRUCTURAL:

MECHANICAL, ELECTRICAL:



**BARRY BRYAN ASSOCIATES**  
Architects  
Engineers  
Project Managers  
250 Water Street  
Suite 201  
Whitby, Ontario L1N 0G5  
Tel: (905) 666-5252  
Fax: (905) 666-5256  
e-mail: bba@bba-archeng.com



**DEI Consulting Engineers**  
MECHANICAL | ELECTRICAL | AQUATIC  
55 Northland Road,  
Waterloo, ON, N2V 1Y8  
Phone: 519-733-2555  
Website: deiconsulting.ca  
Project Number: 21443





PHOTO 6



PHOTO 4



PHOTO 3



PHOTO 2

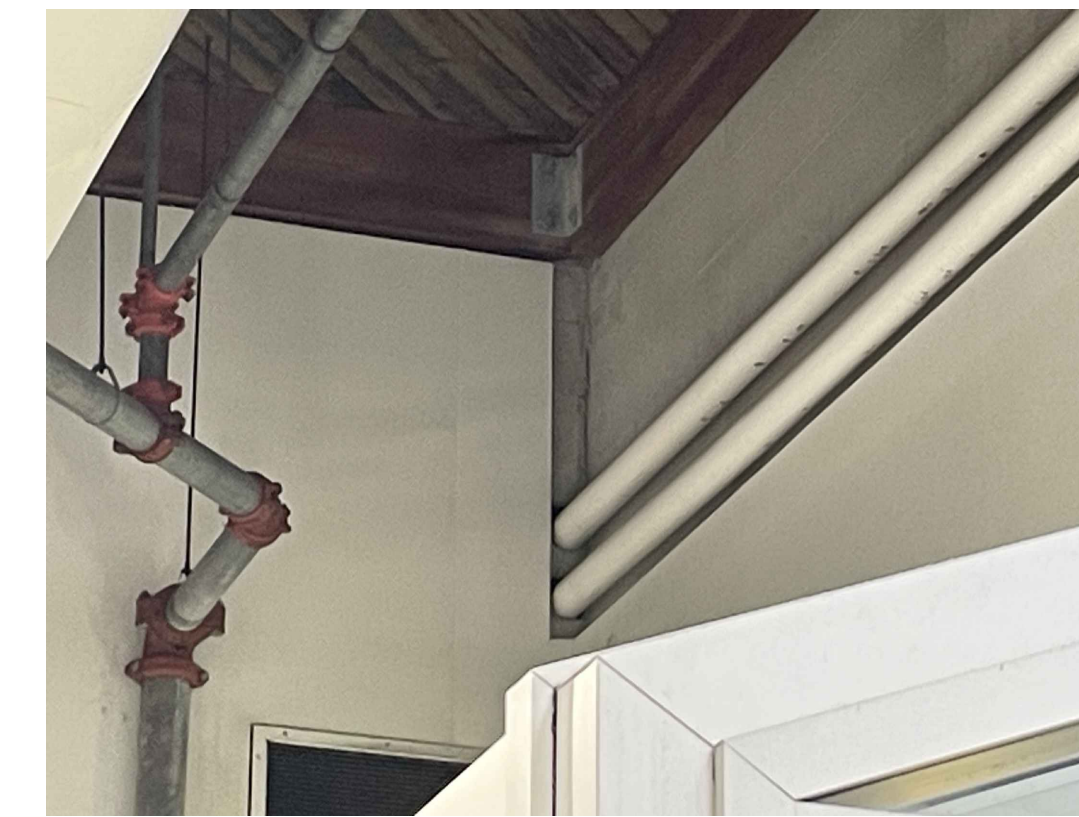


PHOTO 1



PHOTO 5

**GENERAL**

- CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE LATEST EDITION.
- COMPLY WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT/REGULATIONS FOR CONSTRUCTION PROJECTS
- EXISTING BUILDING ROOF CONSTRUCTION IS BASED ON INFORMATION SUPPLIED BY THE OWNER AND IS TO BE VERIFIED BY THE CONTRACTOR.
- THIS WORK MUST BE PERFORMED ADJACENT TO AND AROUND THE GENERAL PUBLIC AND CITY OF BRAMPTON WORKERS. EXERCISE EXTREME CAUTION AND PROVIDE ALL NECESSARY PROTECTION AS REQUIRED AND APPROVED BY THE OWNER.
- FENCE OFF WASTE DISPOSAL BINS AND STORAGE AND LAYDOWN AREAS IN LOCATIONS AS APPROVED BY OWNER. THE EXISTING PLAYGROUND AND WALKWAYS MAY NOT BE USED FOR CONTRACTOR'S LAYDOWN OR MATERIAL DISPOSAL AREAS. PROVIDE ALL HOISTING EQUIPMENT NECESSARY TO ACCESS ROOF AREAS FOR DELIVERY AND REMOVAL OF EQUIPMENT.
- COMPLY WITH OWNER'S SECURITY REQUIREMENTS FOR ON-SITE MANAGEMENT OF TOOLS AND EQUIPMENT. DO NOT PERMIT ANY TOOLS OR EQUIPMENT TO BE LEFT ON SITE DURING OFF-HOURS EXCEPT AS PERMITTED BY OWNER.
- BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING BUILDING, GROUNDS AND EQUIPMENT, AND REPAIR SAME TO THE SATISFACTION OF THE OWNER AND CONSULTANT.
- KEEP THE SITE THROUGHOUT THE WORK AREA IN A CLEAN AND ORDERLY CONDITION AT ALL TIMES TO THE SATISFACTION OF THE OWNER.
- FILE NOTICE OF PROJECT WITH MINISTRY OF LABOUR PRIOR TO COMMENCEMENT.
- INSTALL PROPER GARBAGE CHUTES AND WASTE BINS AND PROVIDE PROTECTION SO AS TO NOT DAMAGE THE EXISTING STRUCTURE. PLACEMENT OF BIN(S) AND CHUTES TO BE APPROVED BY OWNER.
- DISPOSE OF ALL REMOVED MATERIALS AND ROOFING DEBRIS OFF SITE AT THE END OF EACH WORK DAY.
- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ONTARIO ELECTRICAL CODE.
- SCHEDULE ALL WORK WITH THE OWNER.

**DEMOLITION/ REMOVALS**

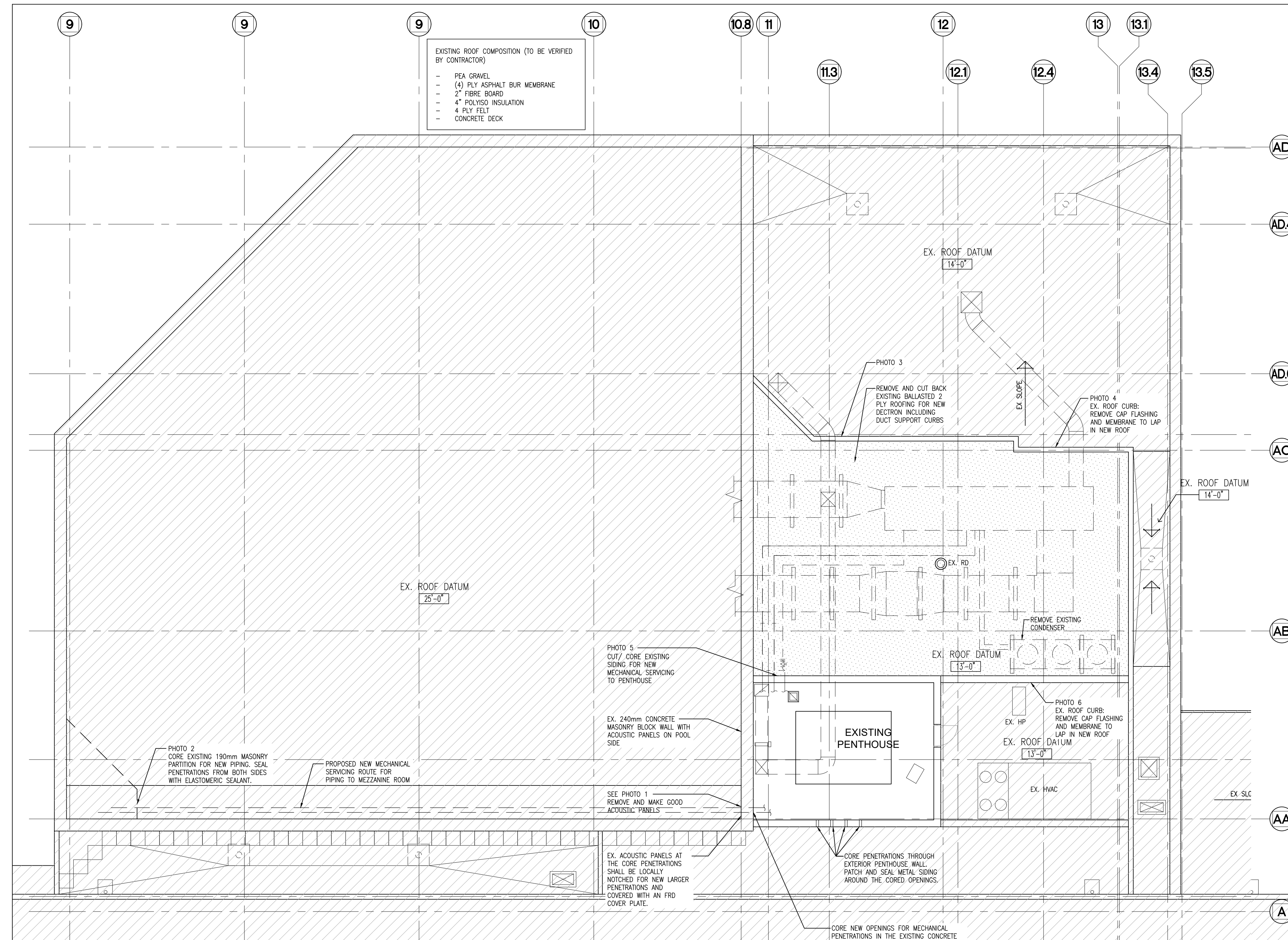
- PROVIDE PROTECTION TO THE EXISTING STRUCTURE TO PREVENT DAMAGE TO IT, TO ADJACENT PARKING AREAS, OR TO THE SURROUNDING LANDSCAPE.
- DISPOSE OF MATERIALS IN LEGAL LANDFILL OR RECYCLING SITES IN ACCORDANCE WITH LOCAL MUNICIPAL REGULATIONS.
- MAINTAIN ROOFS IN WATERTIGHT AND SECURE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. PROVIDE TEMPORARY WEATHERPROOF AND VANDAL RESISTANT PROTECTION AS REQUIRED OVER ALL ROOF OPENINGS EXPOSED BY REMOVAL OF EQUIPMENT. LEAVE ROOF IN WEATHERTIGHT CONDITION AT THE END OF EACH WORK DAY. REMOVE ONLY ENOUGH ROOFING THAT CAN BE REPLACED IN ONE DAY.
- ALL EQUIPMENT REMOVED FROM ROOF AND PLACED ON GROUND FOR TEMPORARY STORAGE MUST BE ENCLOSED IN A LOCKED FENCED COMPOUND OR STORED OFF SITE.
- REMOVE AND REPLACE EXISTING ROOF WITH NEW AS SPECIFIED.
- FLASH AT ALL EXISTING PROTRUSIONS THROUGH ROOF AND WALLS OF BUILDING.
- REPORT ALL DAMAGE OR STRUCTURAL DEFICIENCIES TO THE CONSULTANT. DO NOT PROCEED UNTIL WRITTEN AUTHORITY HAS BEEN RECEIVED FROM THE CONSULTANT.

**TEMPORARY WORKS**

- THE CONTRACTOR SHALL DESIGN, PROVIDE, ERECT, MAINTAIN REMOVE AND ASSUME FULL AND SOLE RESPONSIBILITY FOR ALL TEMPORARY WORKS REQUIRED FOR THE SAFE AND COMPLETE EXECUTION OF THE WORKS.
- IN THE EXECUTION OF THE TEMPORARY WORKS AND FOR THE DURATION OF THE CONTRACT, THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR ALL LIKELY CONSTRUCTION LOADING AND PROVIDE SUFFICIENT BRACING AND PROPS TO KEEP THE WORKS IN PLUMB AND ALIGNMENT AND FREE FROM EXCESSIVE DEFLECTION.
- ACCESS OF HEAVY CONSTRUCTION EQUIPMENT AND ACCUMULATION OF CONSTRUCTION MATERIALS ON THE FLOORS ARE NOT PERMITTED UNLESS SUCH HAVE BEEN CATERED FOR IN THE CONTRACTOR'S TEMPORARY WORK DESIGN TO THE SATISFACTION OF THE STRUCTURAL ENGINEER.
- SUBMIT SHOP DRAWINGS FOR ALL TEMPORARY WORKS FOR REVIEW BEFORE FABRICATION COMMENCES. SHOP DRAWINGS SHALL BE SEALED BY PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO.

**ROOF NOTATION LEGEND**

- RD EX. ROOF DRAIN
- DIRECTION OF SLOPE
- HATCH DENOTES AREA OF EXISTING ROOFING TO BE REMOVED.
- IDENTIFIES EXISTING AREA TO REMAIN.



1 PART ROOF DEMOLITION PLAN  
A201 1:100

DO NOT SCALE THE DRAWINGS.  
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.  
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.  
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	ISSUED FOR 90% REVIEW	JUNE 12, 2024	BBA
2	ISSUED FOR TENDER	MAR 12, 2025	BBA

NO.	REVISIONS	DATE	BY

**PROJECT:**  
**DECTRON UNIT REPLACEMENT**  
 CENTURY GARDENS RECREATION CENTRE  
 340 VODDEN STREET EAST  
 BRAMPTON, ONTARIO L6V 2N2  
 CITY OF BRAMPTON

**DRAWING:**  
**PART ROOF DEMOLITION PLAN**



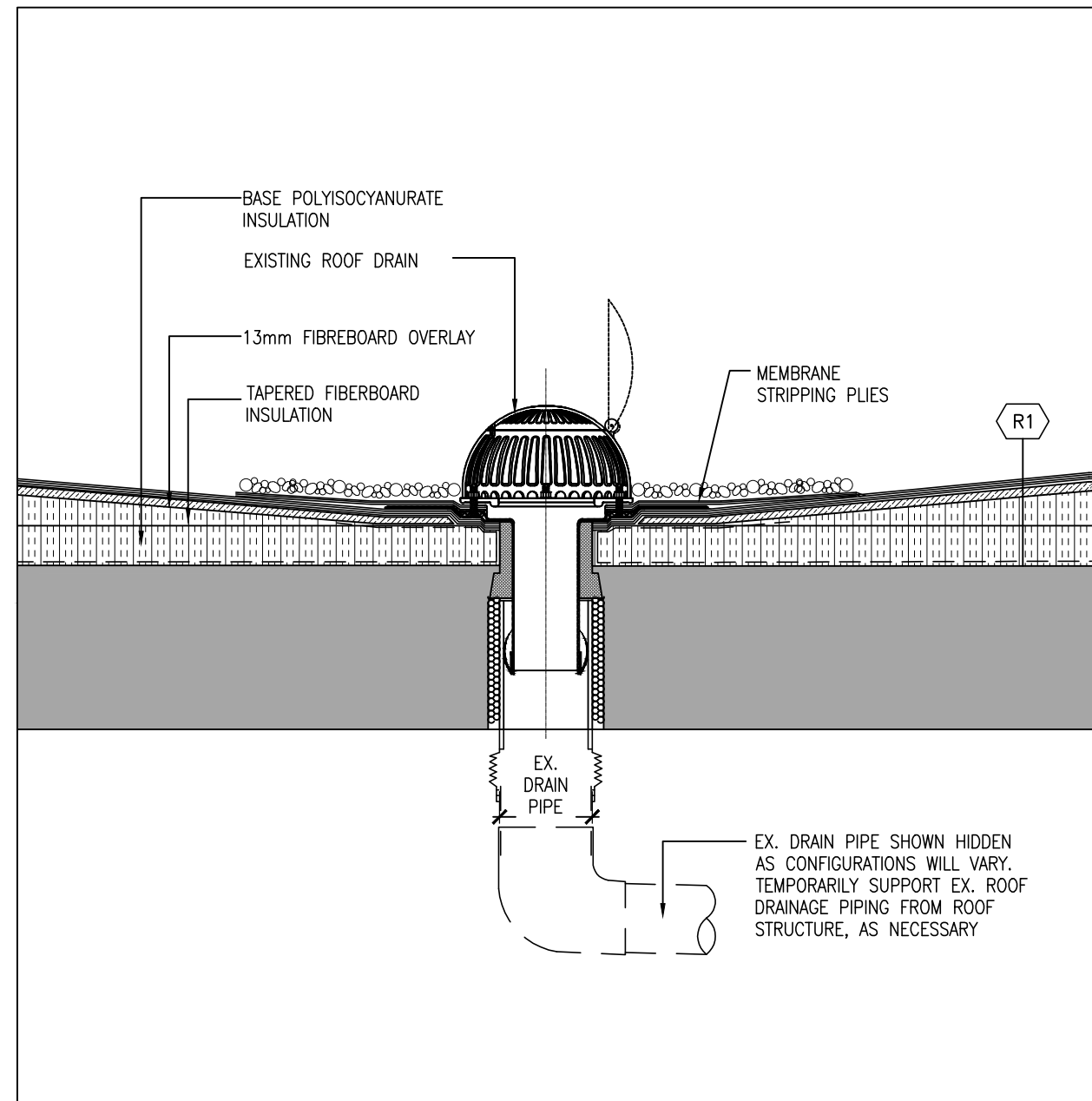
**BARRY BRYAN ASSOCIATES**  
 Architects  
 Engineers  
 Project Managers  
 250 Water Street  
 Suite 201  
 Whiteby, Ontario  
 L1N 0G5  
 Tel: (905) 666-6252  
 Fax: (905) 666-6256  
 e-mail: bba@bba-archeng.com

DESIGN BY: BBA  
 DRAWN BY: LQ  
 CHECKED BY: DM  
 DATE: MAY 2024  
 SCALE: AS NOTED  
 FILE:

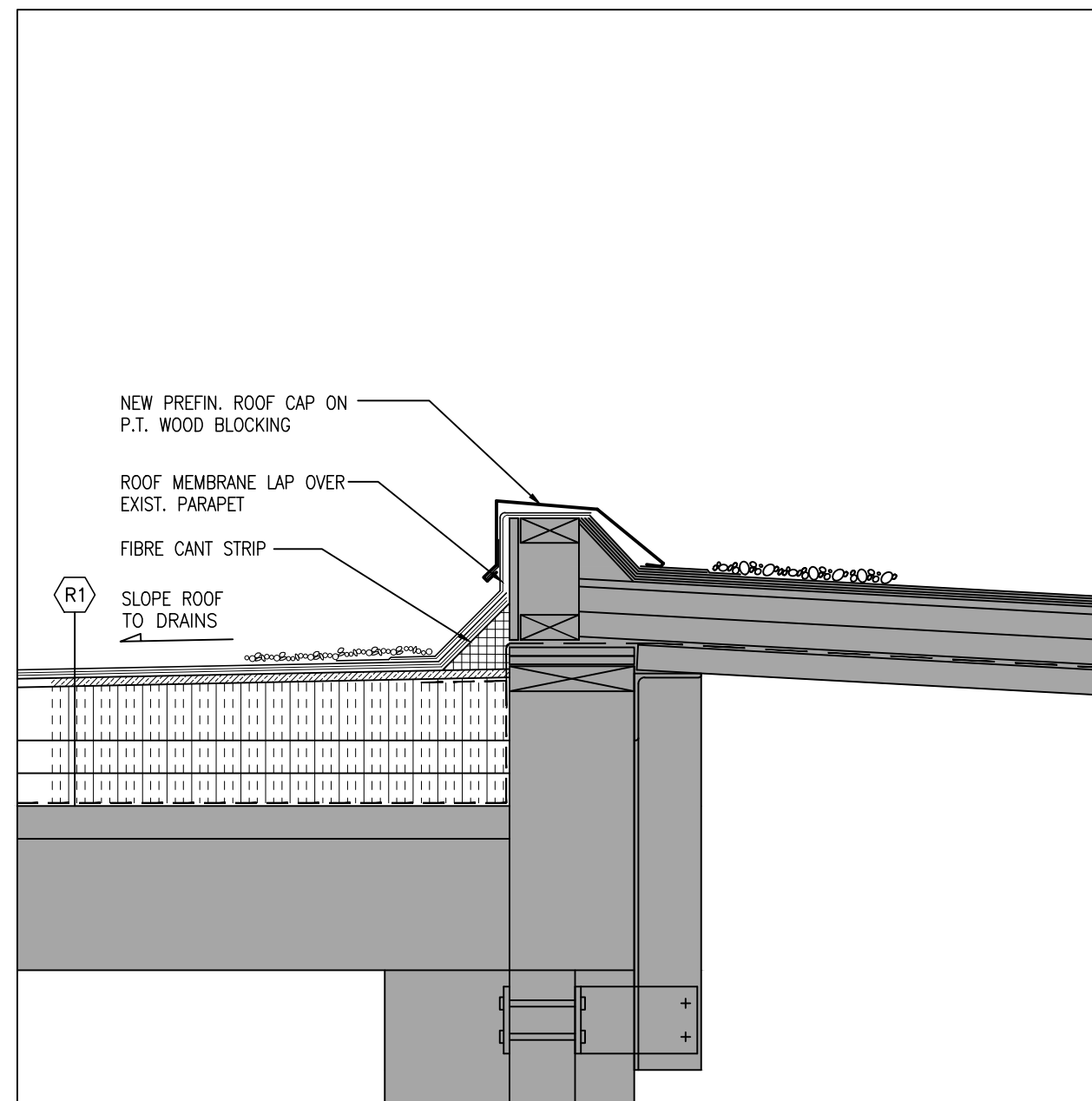
DOC. CONTROL: DATE:  
 % COMPLETE: INITIAL:

PROJECT NO: **20143.2**  
 DRAWING NO: **A201**

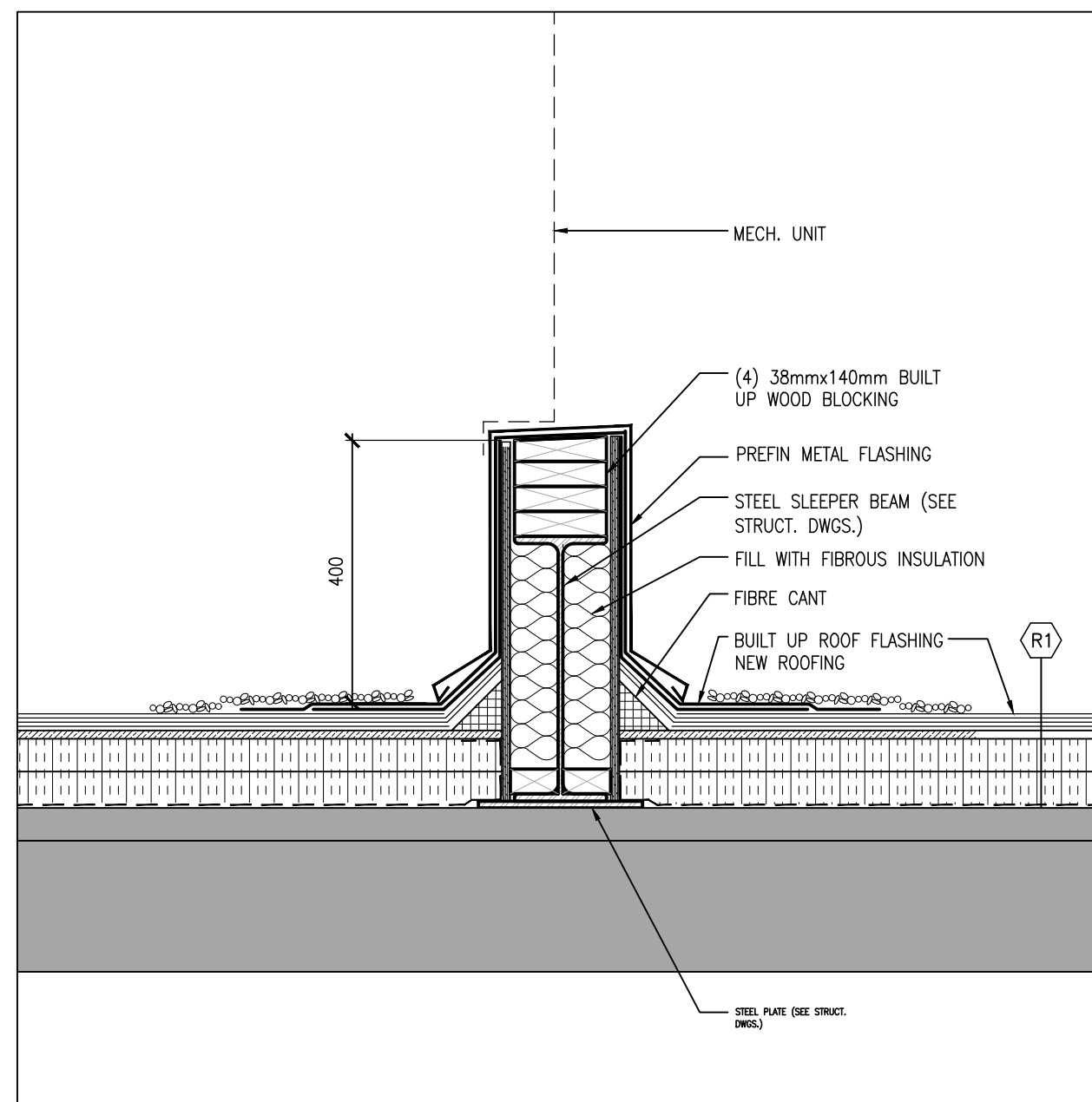




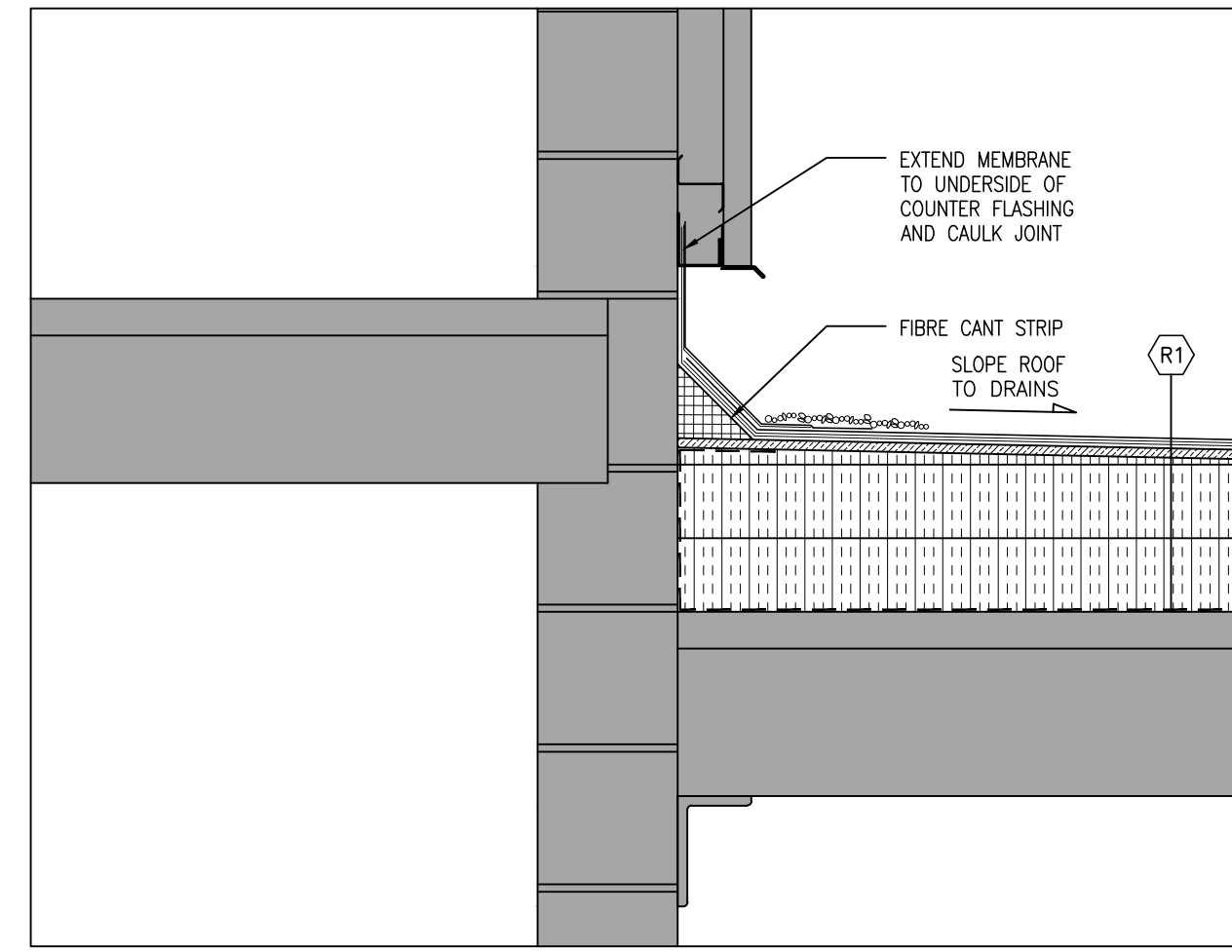
**6** TYPICAL DETAIL @ ROOF DRAIN  
A202 1:10



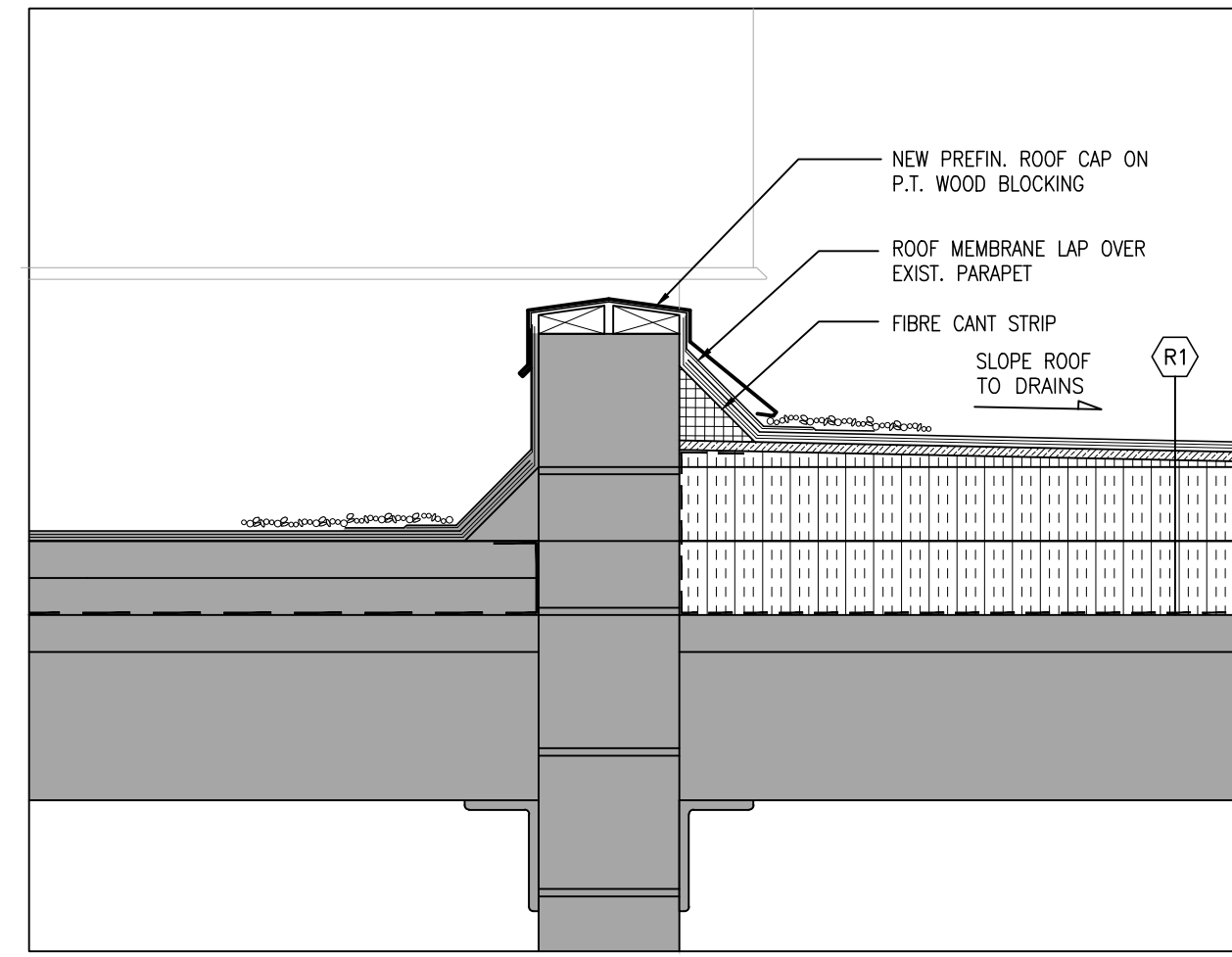
**5** SECTION DETAIL  
A202 1:10



**4** TYPICAL CURB DETAIL AROUND NEW UNIT  
A202 1:10



**3** SECTION DETAIL  
A202 1:10



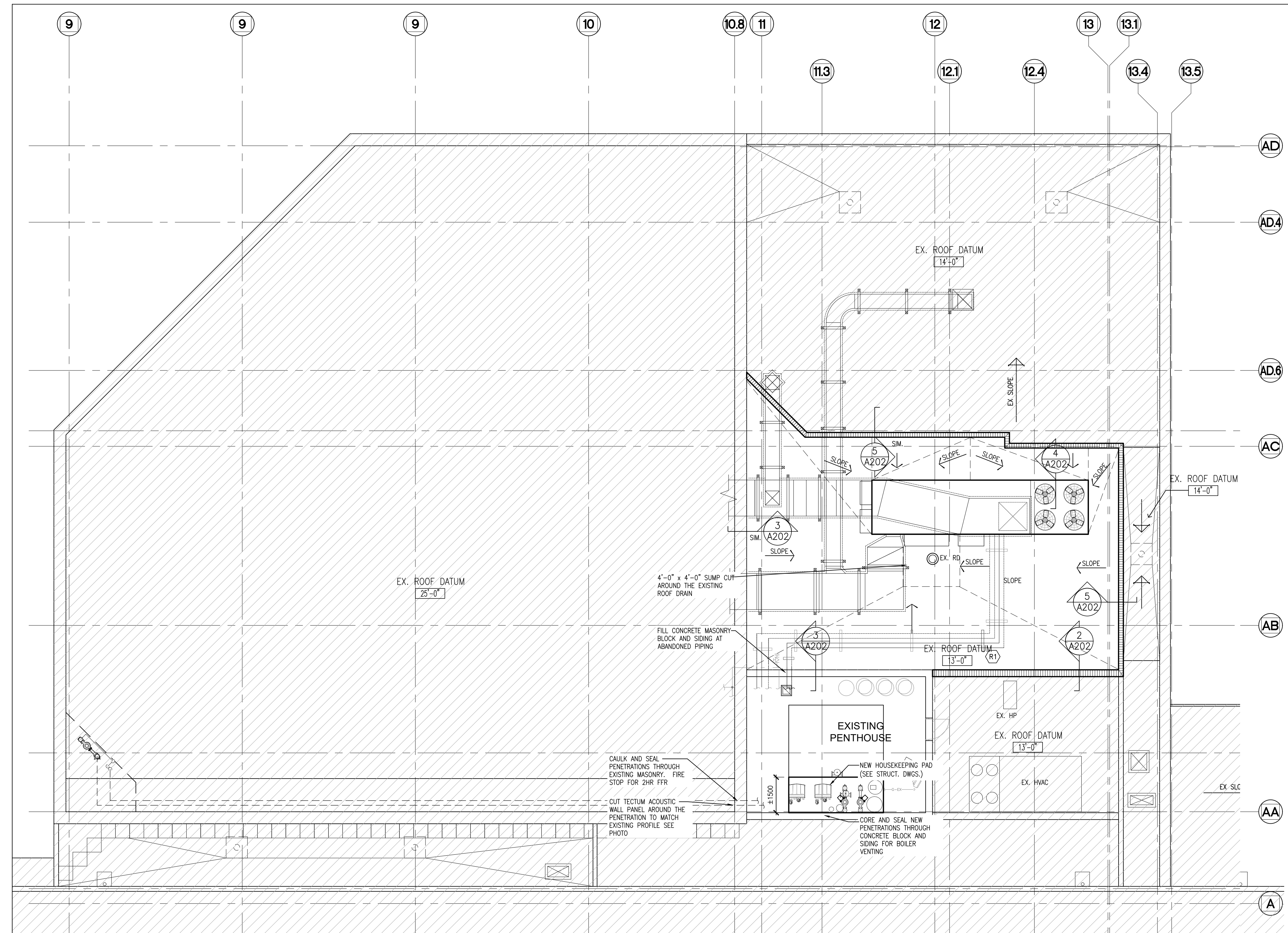
**2** SECTION DETAIL  
A202 1:10

**ROOF NOTATION LEGEND**

- RD EX. ROOF DRAIN
- ← DIRECTION OF SLOPE
- NEW PRE-FINISH METAL CAP FLASHING
- IDENTIFIES EXISTING AREA TO REMAIN.

**ROOF TYPE SCHEDULE (TYPICAL ROOF ASSEMBLY)**

(R1) 2 PLY MODIFIED BITUMEN MEMBRANE  
6.4mm PROTECTION BOARD  
75mm POLYISO INSULATION w/ TAPERED INSULATION FOR BACKSLOPE  
SELF ADHERED AVB  
13mm GYPSUM BOARD SHEATHING  
METAL ROOF DECK / SIPOREX ROOF PANELS (VARIES BY LOCATION)  
PROVIDE ALL TEMPORARY WEATHERPROOF ENCLOSURES TO PROTECT EXISTING BUILDING INTERIORS DURING CONSTRUCTION.



**1** PART ROOF PLAN  
A202 1:100

DO NOT SCALE THE DRAWINGS.  
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.  
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.  
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	ISSUED FOR 90% REVIEW	JUNE 12, 2024	BBA
2	ISSUED FOR TENDER	MAR 12, 2025	BBA

NO.	REVISIONS	DATE	BY

PROJECT:  
**DECTRON UNIT REPLACEMENT**  
CENTURY GARDENS RECREATION CENTRE  
340 VODDEN STREET EAST  
BRAMPTON, ONTARIO L6V 2N2  
CITY OF BRAMPTON

DRAWING:  
**PART ROOF PLAN & SECTION DETAILS**



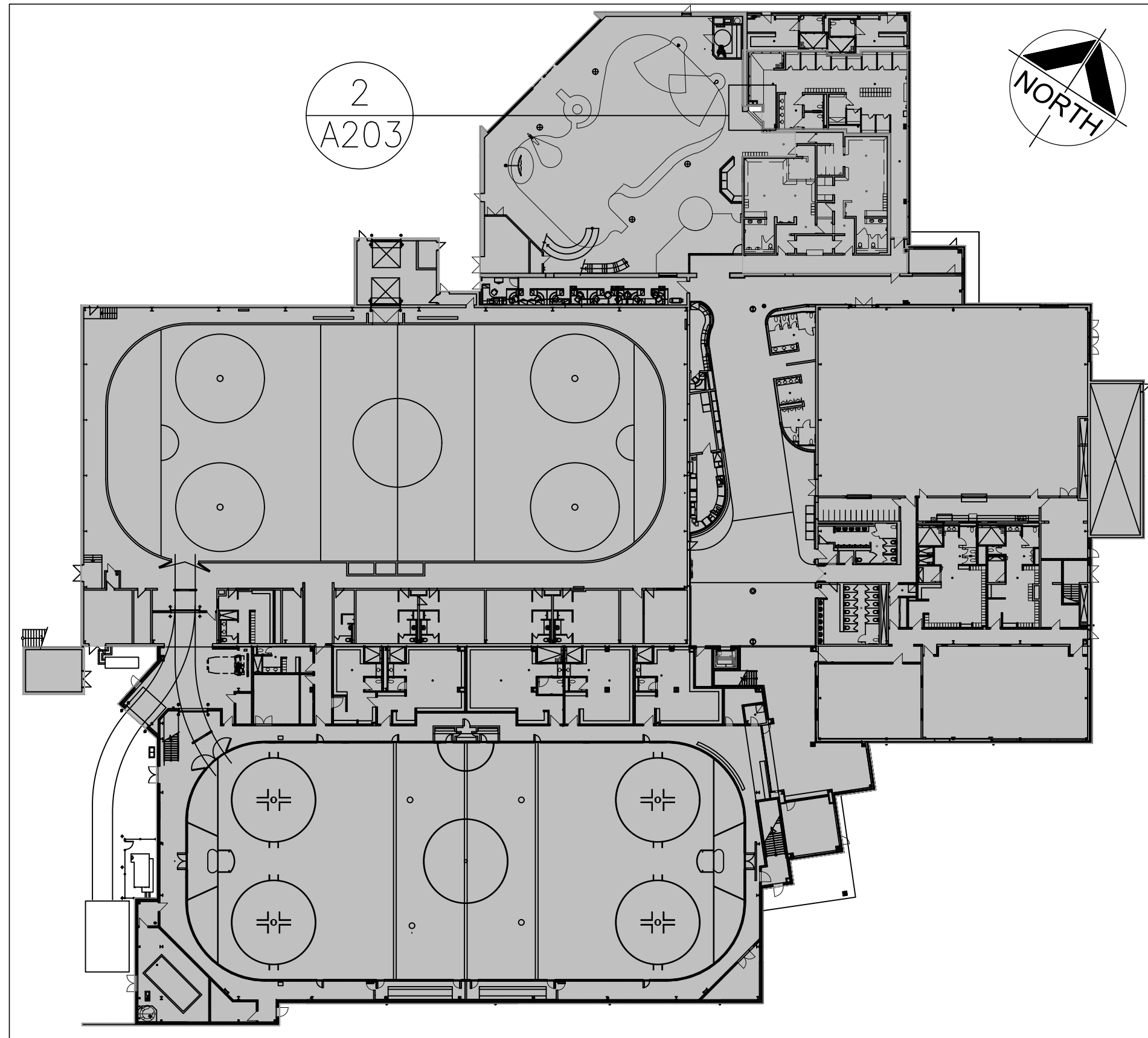
**BARRY BRYAN ASSOCIATES**  
Architects  
Engineers  
Project Managers  
250 Water Street  
Suite 201  
Whitby, Ontario  
L1N 0G5  
Tel: (905) 666-5252  
Fax: (905) 666-5256  
e-mail: bba@bba-archeng.com



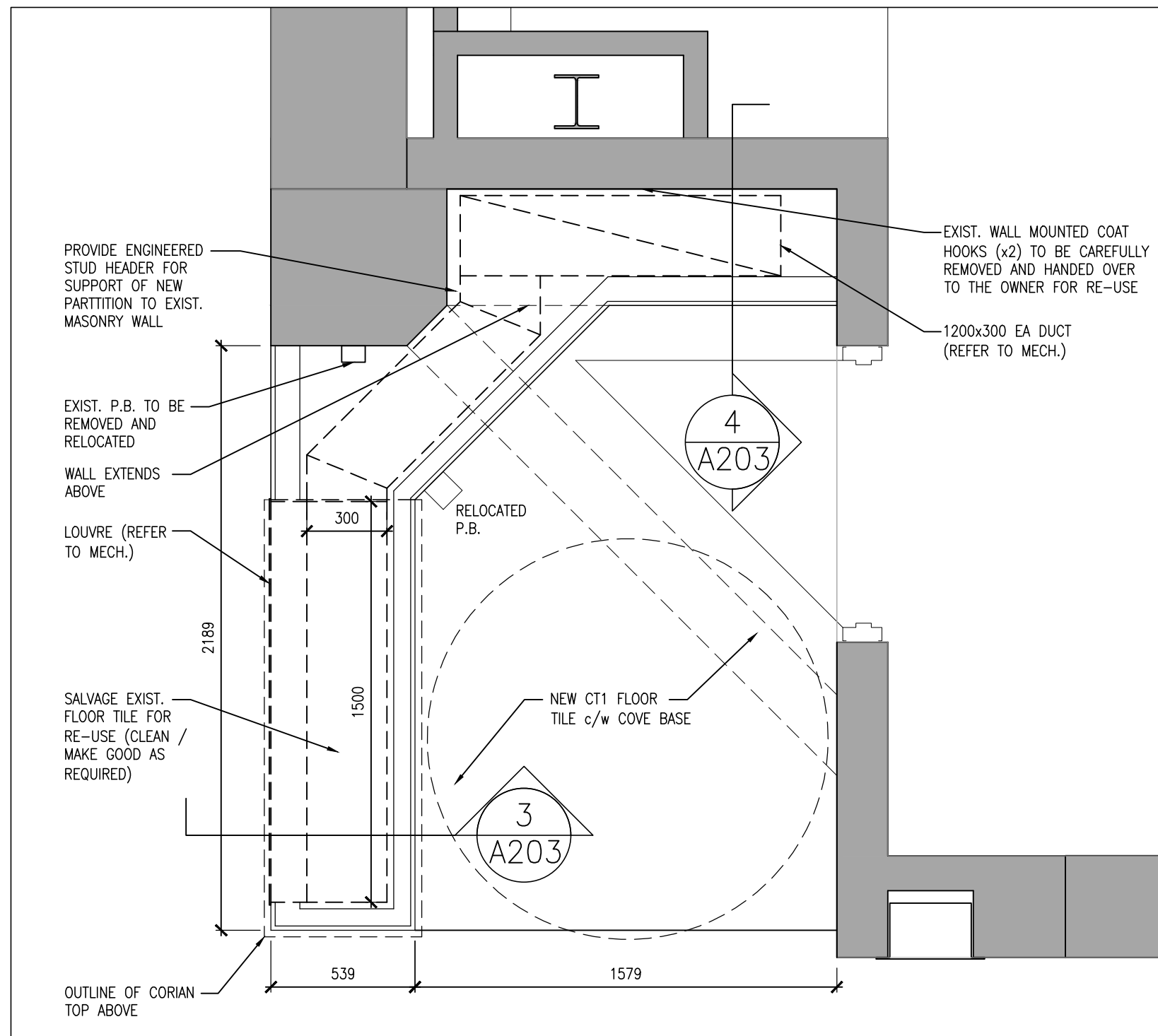
DESIGN BY:	DOC. CONTROL:
BBA	DATE:
DRAWN BY:	% COMPLETE:
LQ	5
CHECKED BY:	INITIAL:
DM	
DATE:	SCALE:
MAY 2024	AS NOTED
FILE:	

PROJECT NO: **20143.2** DRAWING NO: **A202**

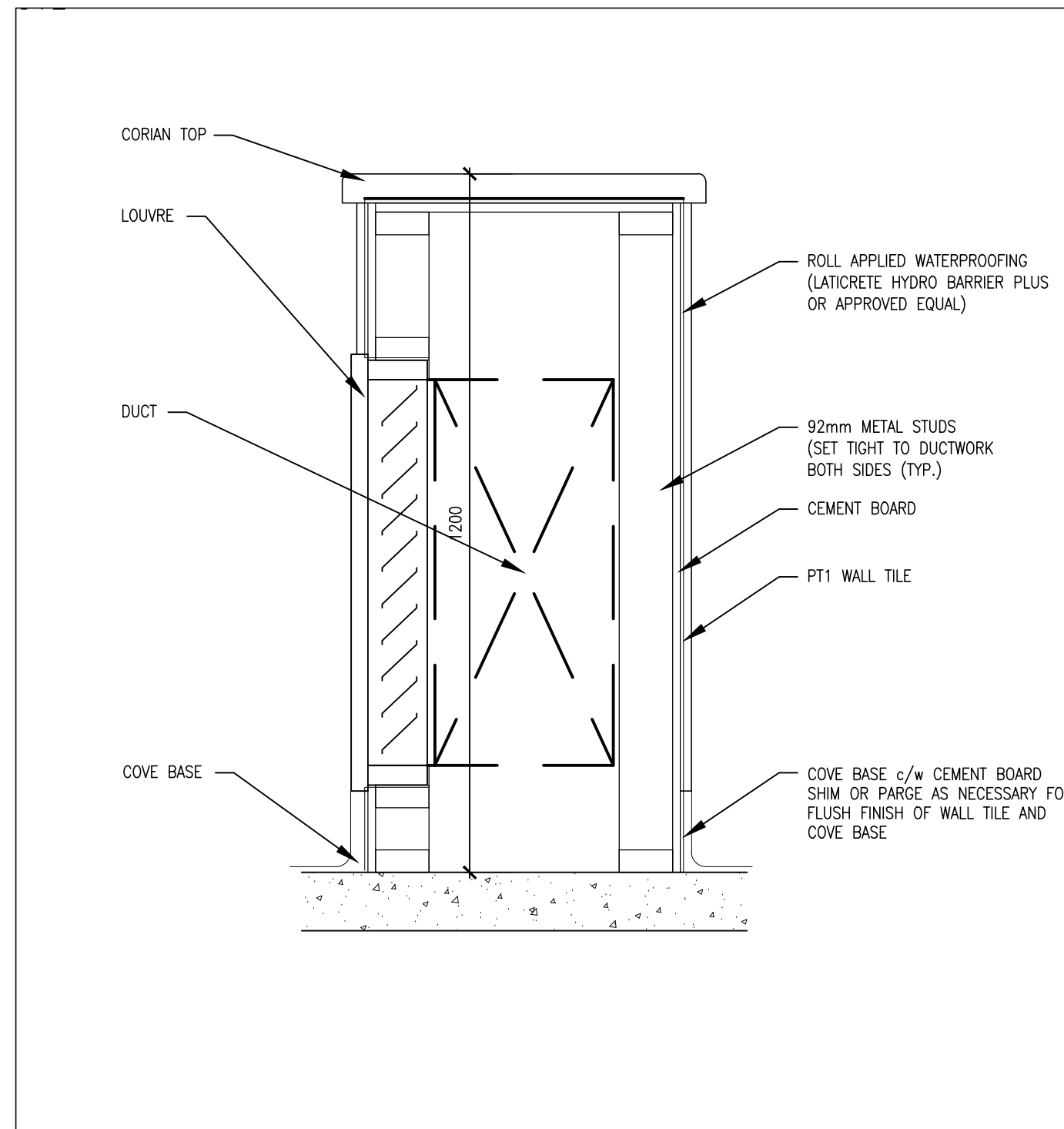




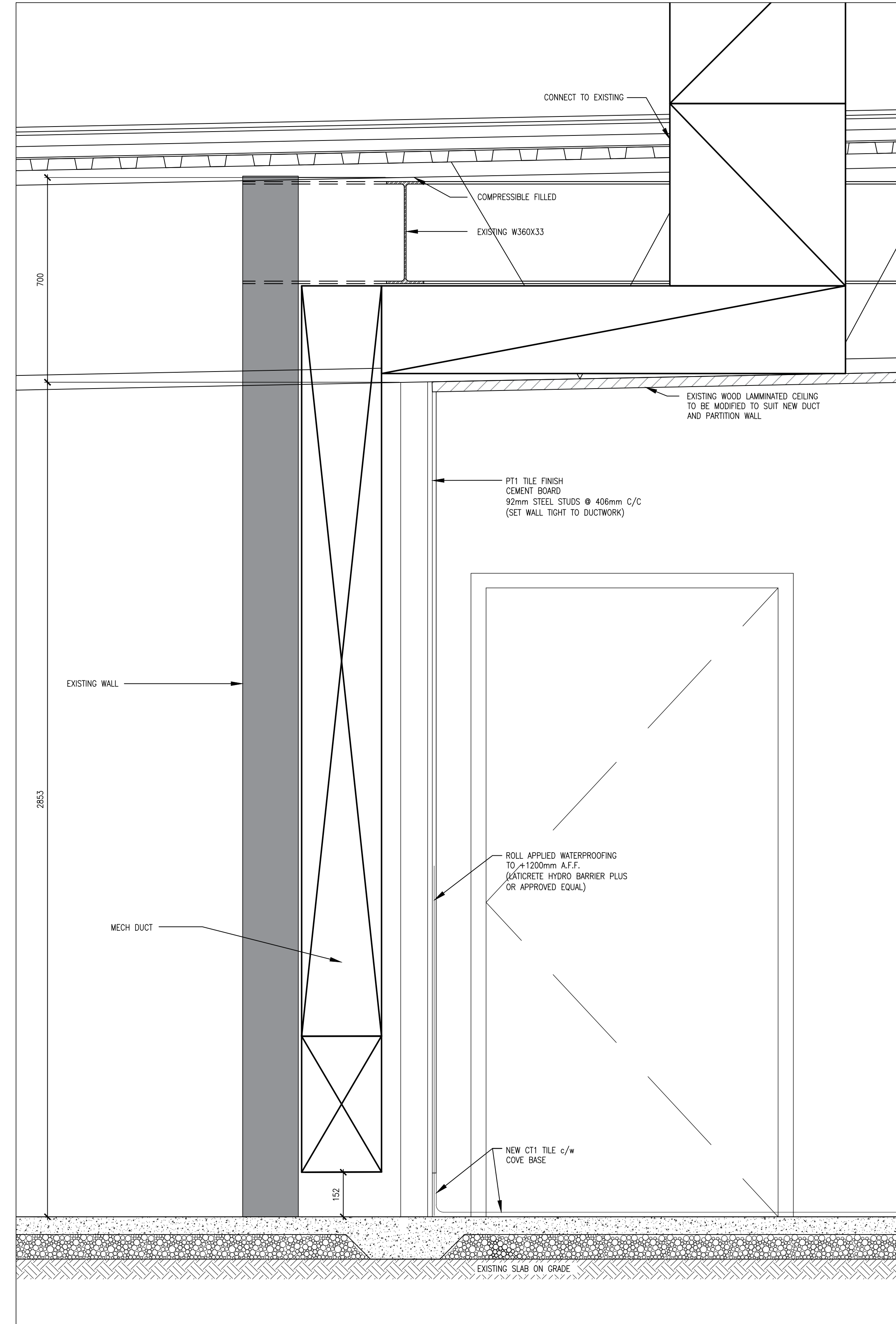
**1**  
**A204** GROUND FLOOR KEY PLAN  
1:500



**2**  
**A203** GROUND FLOOR ENLARGED PLAN  
1:20



**2**  
**A203** SECTION  
1:10



**4**  
**A203** SECTION  
1:10

DO NOT SCALE THE DRAWINGS.  
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.  
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.  
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	ISSUED FOR 90% REVIEW	JUNE 12, 2024	BBA
2	ISSUED FOR TENDER	MAR 12, 2025	BBA

NO.	REVISIONS	DATE	BY
1	MECHANICAL REVIEW	NOV. 04, 2024	BBA

**PROJECT:**  
**DECTRON UNIT REPLACEMENT**  
CENTURY GARDENS RECREATION CENTRE  
340 VODDEN STREET EAST  
BRAMPTON, ONTARIO L6V 2N2  
CITY OF BRAMPTON

**DRAWING:**  
**ENLARGED PLAN AND SECTIONS**



**BARRY BRYAN ASSOCIATES**  
Architects  
Engineers  
Project Managers  
250 Water Street  
Suite 201  
Whitby, Ontario  
L1N 0G5  
Tel: (905) 666-6252  
Fax: (905) 666-6256  
e-mail: bba@bba-archeng.com



DESIGN BY:	DOC. CONTROL:
NS	DATE:
DRAWN BY:	% COMPLETE:
AM	
CHECKED BY:	INITIAL:
DM	
DATE:	SCALE:
NOV. 2024	AS NOTED
FILE:	

**PROJECT NO:** 20143.2  
**DRAWING NO:** A203



**GENERAL**

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF ALL RELEVANT CODES AND STANDARDS.
- CONFORM TO OWNER'S GENERAL SPECIFICATIONS INCLUDING ALL SAFETY REQUIREMENTS.
- SITE VERIFY ALL DIMENSIONS AND LEVELS.
- KEEP THE SITE THROUGHOUT THE WORK AREA IN A CLEAN AND ORDERLY CONDITION AT ALL TIMES TO THE SATISFACTION OF THE OWNER.
- ALL STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH OTHER CONSULTANTS DRAWINGS.

**DEMOLITION NOTES**

- PROVIDE PROTECTION AS REQUIRED TO PREVENT DAMAGE TO THE EXISTING STRUCTURE AND/OR ADJACENT EQUIPMENT. PROTECT ALL EXISTING FINISHES, FRAMES AND PROPERTY.
- SAW CUT, REMOVE AND DISPOSE OF EXISTING DEMOLISHED MATERIALS OFF-SITE, AS REQUIRED TO COMPLETE THE WORK. REMOVAL OF ALL ACM IS BY OTHERS.
- KEEP THE WORK AND STAGING AREAS CLEAN AND ORDERLY AT ALL TIMES AND FREE FROM RUBBLE AND DEBRIS.
- NOTIFY CONSULTANT OF ANY LOAD BEARING MEMBERS OR ASSEMBLIES DISCOVERED OR IDENTIFIED DURING WORK WITH EXCESSIVE DETERIORATION BEYOND WHAT IS NOT INDICATED ON THE DRAWINGS. DO NOT PROCEED WITH REMOVAL WITHOUT PRIOR REVIEW BY THE CONSULTING STRUCTURAL ENGINEER.
- ALL BUILDING MATERIALS TO BE REMOVED FROM THE BUILDING SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS SPECIFIED OTHERWISE AND SHALL BE REMOVED FROM THE SITE.
- COVER ALL LOADED TRUCKS LEAVING THE DEMOLITION SITE.
- CARRY OUT SAFETY MEASURES AS PER THE CONSTRUCTION SAFETY ASSOCIATION OF ONTARIO ACT AND REGULATIONS FOR DEMOLITION.
- THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY MANUAL APPLIES TO THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE TO PERFORM ALL WORK IN ACCORDANCE WITH O.H.S.A.
- CONTRACTOR SHALL KEEP CLEAR AND NOT INHIBIT THE USE OF BUILDING FIRE ROUTE AND ALL HYDRANTS DURING THE ENTIRE DEMOLITION WORK.
- REPORT ANY DOUBTFUL UNFORESSEEN AND/OR UNEXPECTED SITE CONDITIONS TO THE ENGINEER PRIOR TO PROCEEDING.

**CONCRETE**

- CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF CAN/CSA-A23.1 AND CAN/CSA-A23.3 WITH THE FOLLOWING PROVISION:

LOCATION	DESIGN STRENGTH (28 DAYS)	SLUMP	EXPOSURE CLASS
ALL OTHER INTERIOR CONCRETE	25 MPa	80± 30	N

- NO ADDITIONAL WATER SHALL BE ADDED AT THE JOB SITE. CONCRETE WHICH HAS BEEN WATERED OR DOES NOT MEET SPECIFICATIONS SHALL BE REJECTED.
- DURING WINTER WEATHER BELOW 5 °C PROVIDE TEMPORARY HEATING OF CONCRETE IN ACCORDANCE WITH THE REQUIREMENTS OF CSA A23.1, LATEST EDITION.

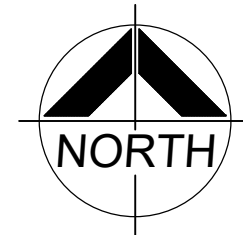
**STRUCTURAL STEEL**

- ALL STRUCTURAL STEEL HSS AND W SECTIONS TO BE G40.21M-350W CLASS C. ALL OTHERS TO BE G40.21M-300W.
- DESIGN FORCES INDICATED ON DRAWINGS FOR STRUCTURAL STEEL WORK ARE UN-FACTORED FORCES UNLESS NOTED OTHERWISE.
- ALL CONNECTIONS TO BE DESIGNED BY FABRICATOR UNLESS NOTED OTHERWISE. ALL BEAM CONNECTIONS TO BE STANDARD SHEAR CONNECTIONS IN COMPLIANCE WITH CISC, UNLESS NOTED OTHERWISE.
- PROVIDE SHOP DRAWINGS OF COMPONENTS AND CONNECTIONS DESIGNED BY THE FABRICATOR'S ENGINEER. DRAWINGS SHALL BE SIGNED AND SEALED BY THAT ENGINEER.
- FABRICATOR'S ENGINEER MUST BE LICENSED IN THE PROVINCE OF ONTARIO.
- ALL ERECTION BOLTS SHALL BE ASTM GRADE A325 MINIMUM, AND SHALL BE DESIGNED BY STEEL FABRICATOR'S ENGINEER FOR TRANSFER OF ALL LOADS.
- BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLTS IN EACH CONNECTION PIECE AND DESIGNED AS BEARING CONNECTIONS U.N.O.
- FABRICATOR'S ENGINEER SHALL DESIGN TOP PLATES AND THEIR CONNECTIONS TO FULLY TRANSFER VERTICAL AND HORIZONTAL LOADS AS WELL AS MOMENTS WHEN REQUIRED PER CISC STANDARDS.
- FABRICATION, ERECTION AND WORKMANSHIP SHALL CONFORM TO CSA S16.1.
- ALL WELDING SHALL CONFORM TO CSA W59 AND SHALL BE PERFORMED BY A WELDER QUALIFIED UNDER CSA W47.
- ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP APPLIED COAT OF PRIMER. SPOT PRIME ALL WELDED AREAS.
- REMOVE PAINT FILM FROM ALL STEEL SURFACES TO BE WELDED. SPOT PRIME AS REQUIRED.
- ALL WELDED CONNECTIONS SHALL BE WITH CSA W48 SERIES ELECTRODES.
- PROVIDE DRAINAGE HOLES TO ARCHITECT'S APPROVAL IN ALL EXPOSED EXTERIOR HSS FRAMING.
- PROVIDE CAP PLATES ON ALL HSS FRAMING MEMBERS UNLESS NOTED OTHERWISE.
- DO NOT CUT OR CORE ANY OPENINGS IN ANY STRUCTURAL STEEL MEMBERS WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
- WHERE A STRUCTURAL STEEL SHAPE SHOWN ON THE DRAWINGS IS UNAVAILABLE, A SHAPE OF EQUAL OR GREATER SECTION PROPERTIES AND STRUCTURAL CAPACITY SHALL BE SUBSTITUTED, UPON APPROVAL BY OWNER AND CONSULTANT AT NO EXTRA COST.
- ALL EXPOSED STEEL SHALL BE HOT DIP GALVANIZED INCLUDING CURBS.

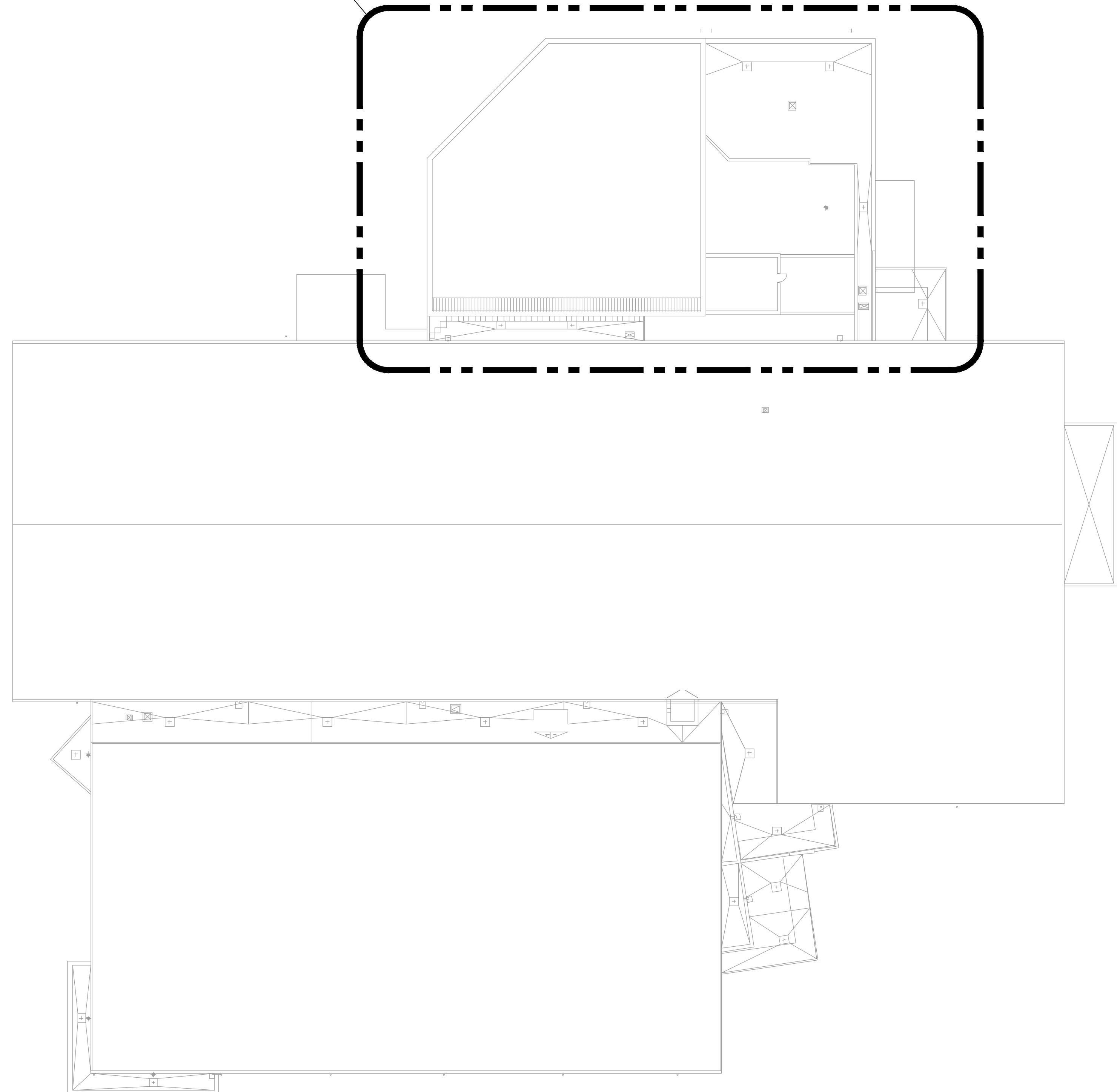
DO NOT SCALE THE DRAWINGS.  
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.  
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.  
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.



NO.	ISSUES	DATE	BY
1	ISSUED FOR 90% REVIEW	JUNE 12, 2024	BBA
2	ISSUED FOR TENDER	MAR 12, 2025	BBA



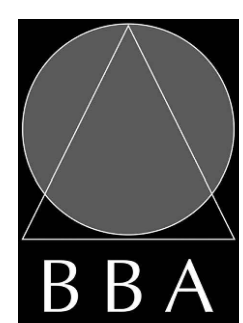
1 S202 1 S201



1 S101 OVERALL ROOF PLAN  
1:300

PROJECT:  
**DECTRON UNIT REPLACEMENT**  
CENTURY GARDENS RECREATION CENTRE  
340 VODDEN STREET EAST  
BRAMPTON, ONTARIO L6V 2N2  
CITY OF BRAMPTON

DRAWING:  
**GENERAL NOTES & OVERALL ROOF PLAN**



**BARRY BRYAN ASSOCIATES**  
Architects  
Engineers  
Project Managers  
250 Water Street  
Suite 201  
Whitby, Ontario  
L1N 0G5  
Tel: (905) 666-5252  
Fax: (905) 666-5256  
e-mail: bba@bba-archeng.com



DESIGN BY: BBA	DOC CONTROL DATE:
DRAWN BY: MM	% COMPLETE:
CHECKED BY: DM	INITIAL:
DATE: MAY 2024	
SCALE: 1:300	
FILE:	

PROJECT NO:  
**20143.2**

DRAWING NO:  
**S101**



DO NOT SCALE THE DRAWINGS.  
 CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.  
 ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE  
 COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED  
 UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE  
 WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.  
 DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED  
 AND SEALED BY THE CONSULTANT.

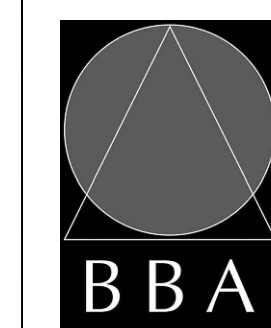


NO.	ISSUES	DATE	BY
1	ISSUED FOR 90% REVIEW	JUNE 12, 2024	BBA
2	ISSUED FOR TENDER	MAR. 12, 2025	BBA

NO.	REVISIONS	DATE	BY

PROJECT:  
**DECTRON UNIT  
 REPLACEMENT**  
 CENTURY GARDENS  
 RECREATION CENTRE  
 340 VODDEN STREET EAST  
 BRAMPTON, ONTARIO L6V 2N2  
 CITY OF BRAMPTON

DRAWING:  
**PART ROOF FRAMING  
 DEMOLITION PLAN**



**BARRY BRYAN  
 ASSOCIATES**

Architects  
 Engineers  
 Project Managers

250 Water Street  
 Suite 201  
 Whitby, Ontario  
 L1N 0G5

Tel: (905) 666-5252  
 Fax: (905) 666-5256  
 e-mail: bba@bba-archeng.com



DESIGN BY: [Signature]  
 DATE: [Date]

DRAWN BY: [Signature]  
 % COMPLETE: [Percentage]

CHECKED BY: [Signature]  
 INITIAL: [Initials]

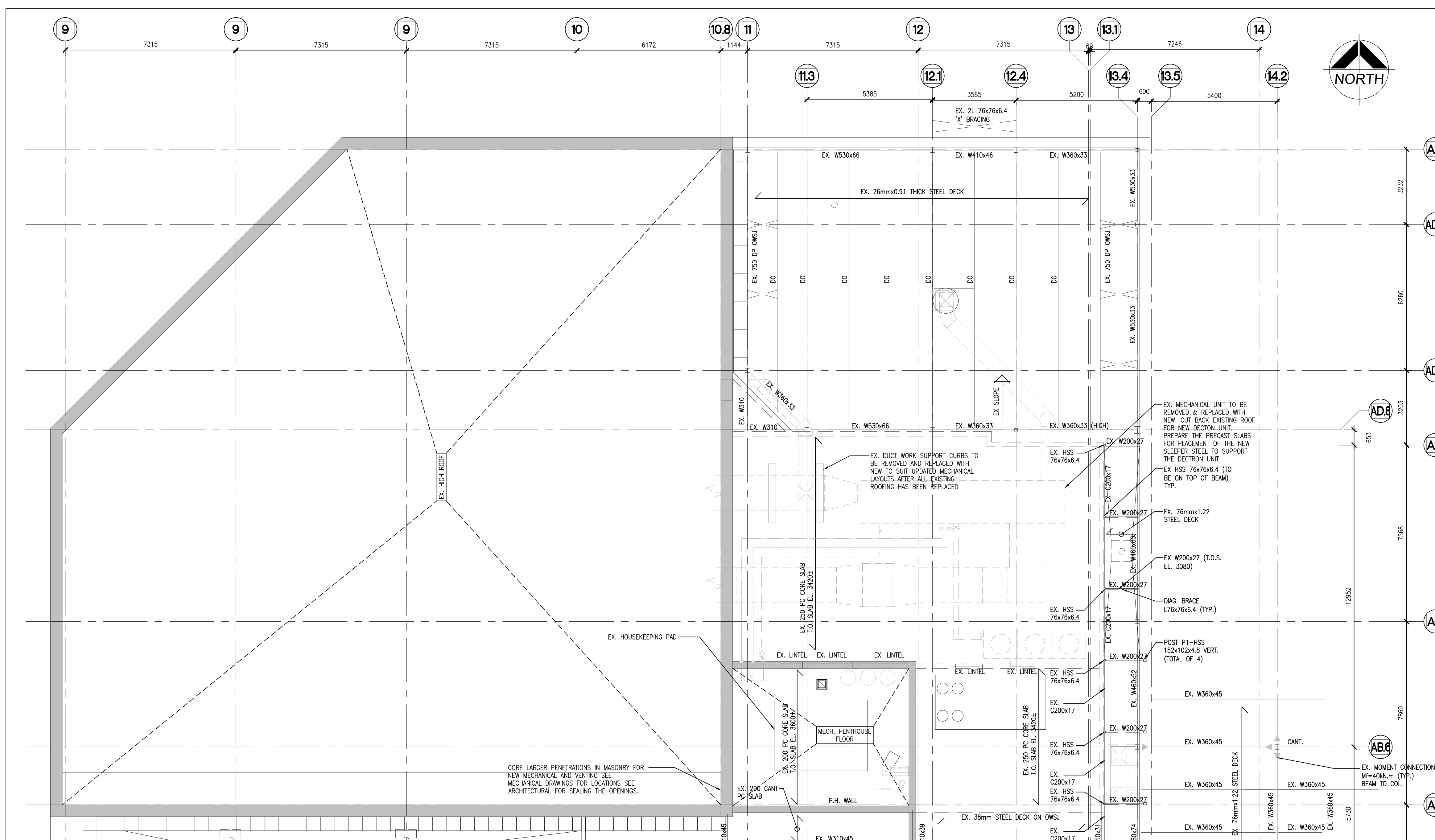
DATE: [Date]

SCALE: [Scale]

FILE: [File Name]

PROJECT NO:  
**20143.2**

DRAWING NO:  
**S201**



**1**  
**SZ01**  
**PART ROOF FRAMING DEMOLITION PLAN**  
 1:100



DO NOT SCALE THE DRAWINGS.  
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.  
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS IN PART OR WHOLE WITHOUT THE PERMISSION OF THE CONSULTANT IS FORBIDDEN.  
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE CONSULTANT.

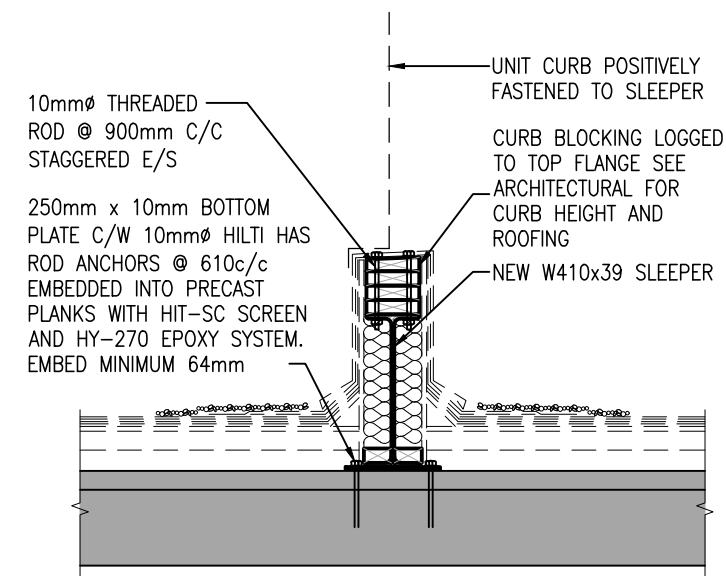


NO.	ISSUES	DATE	BY
1	ISSUED FOR 90% REVIEW	JUNE 12, 2024	BBA
2	ISSUED FOR TENDER	MAR 12, 2025	BBA

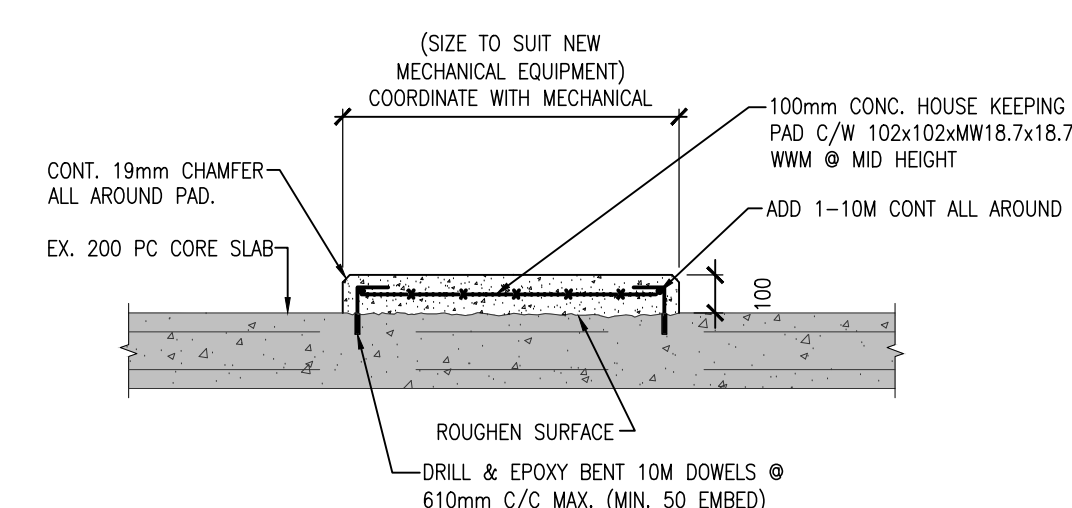
NOTES:

- ORIGINAL REFERENCE DRAWINGS PREPARED BY DUNLOP FARROW AITKEN WERE OBTAINED AND DATED FEB. 8/1979. THE DRAWINGS PROVIDED A DESIGN CAPACITY SUPERIMPOSED FOR THE PRECAST PANELS OF 6.7kPa. BBA UTILIZED THE SUPERIMPOSED DESIGN LOAD FOR THE SLAB TO SUPPORT THE ASSOCIATED DEAD AND SNOW LOADS FOR THE NEW UNIT PLACEMENT ON THE ROOF.
- ALL NEW ROOF TOP DUCTWORK IS IN ELEVATED STAND AND WILL BE SNOW SWEPT BELOW NOT CREATING ACCUMULATION.
- THE EXISTING DECK UNIT REPLACEMENT INCLUDES REMOVAL OF THE EXISTING DECK UNIT WEIGHING 12,000lb AND REMOVAL OF THE EXISTING 1460lb AIR COOLED CONDENSER. THE REPLACEMENT UNITS WILL BE IN ONE STACK UNIT TO REDUCE MULTIPLE UNIT LOADS ON SINGLE PRE-CAST UNITS.

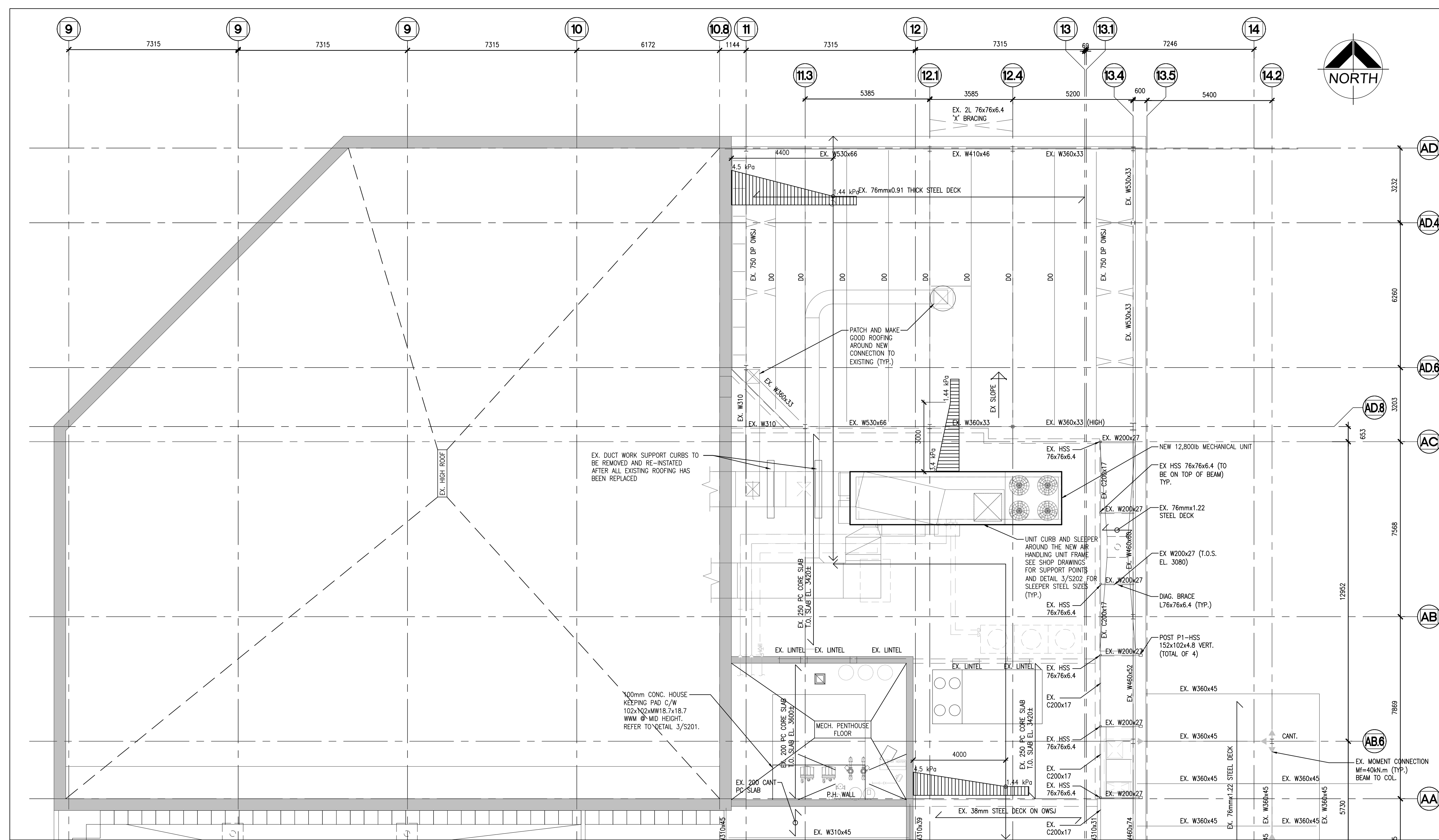
LOW ROOF DESIGN LOADS:	LOW ROOF DESIGN LOADS:
ROOF:	SNOW:
SUPERIMPOSED DEAD LOAD	S <sub>u</sub> = 1.30
ROOFING= 0.65	S <sub>r</sub> = 0.40
M/E= 0.25	BASIC SNOW=1.44
CEILING= 0.20	SEE PLAN FOR SNOW ACCUMULATION
	1.10kPa



3 TYPICAL CURB DETAIL AROUND NEW UNIT N.T.S.



2 TYP. HOUSEKEEPING PAD DETAIL N.T.S.

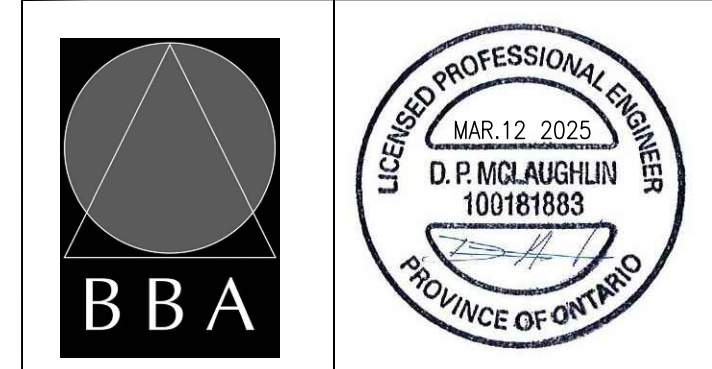


1 PART ROOF FRAMING PLAN 1:100

NO.	REVISIONS	DATE	BY
-----	-----------	------	----

PROJECT:  
**DECTRON UNIT REPLACEMENT**  
CENTURY GARDENS RECREATION CENTRE  
340 VODDEN STREET EAST  
BRAMPTON, ONTARIO L6V 2N2  
CITY OF BRAMPTON

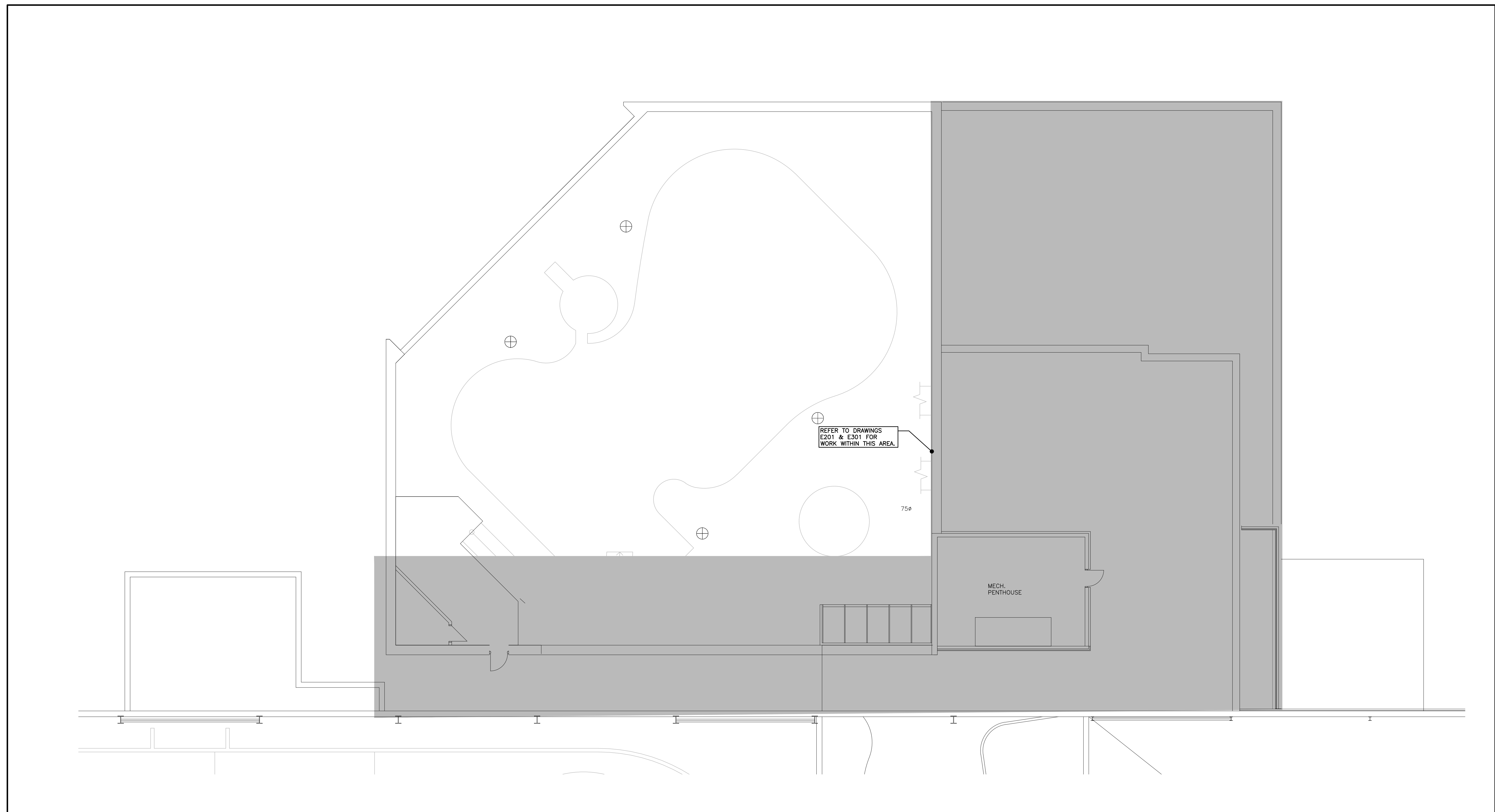
DRAWING:  
**PART ROOF FRAMING PLAN & SECTION DETAILS**



**BARRY BRYAN ASSOCIATES**  
Architects  
Engineers  
Project Managers  
250 Water Street  
Suite 201  
Whitby, Ontario  
L1N 0G5  
Tel: (905) 666-5252  
Fax: (905) 666-5256  
e-mail: bba@bba-archeng.com

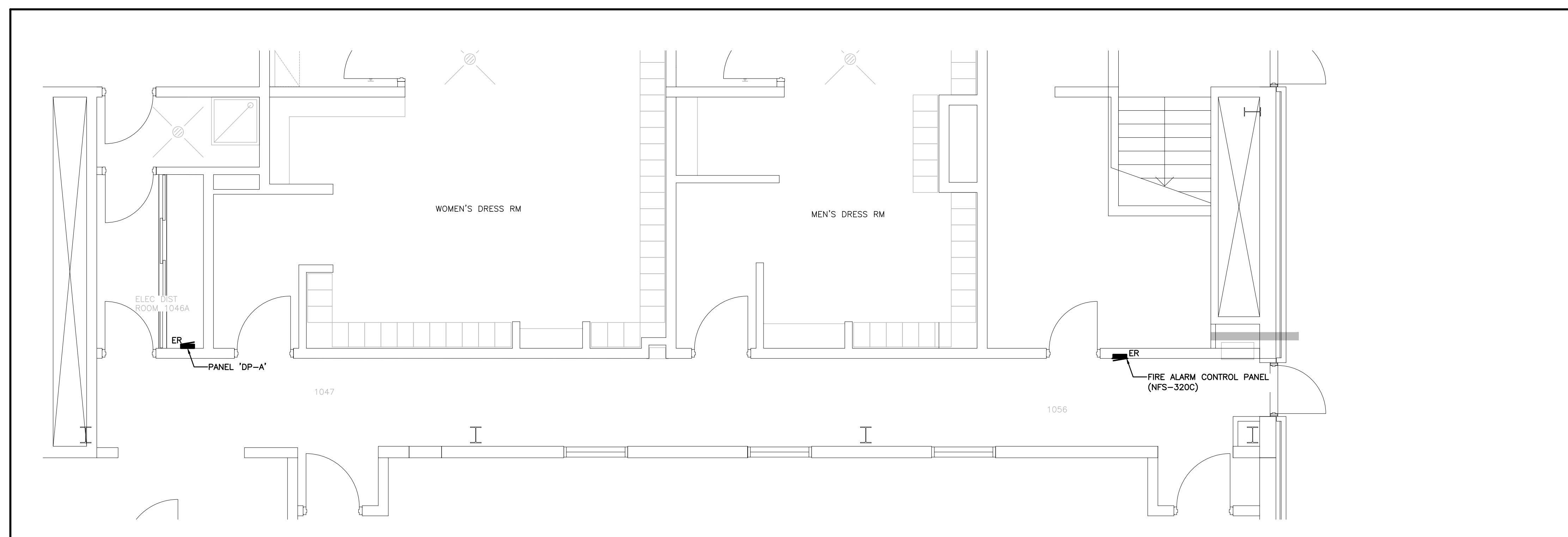
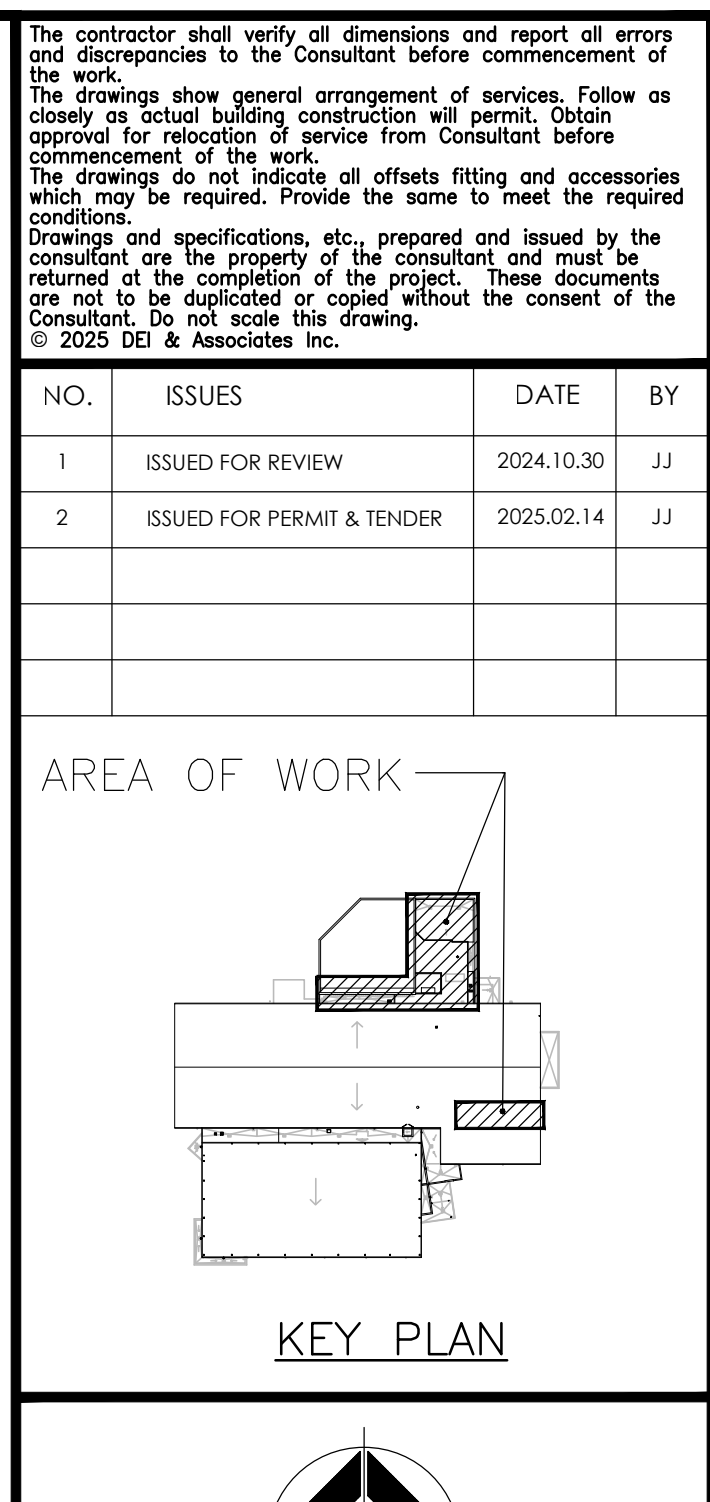
PROJECT NO: **20143.2**  
DRAWING NO: **S202**





ROOF PART PLAN  
SCALE: 1:100

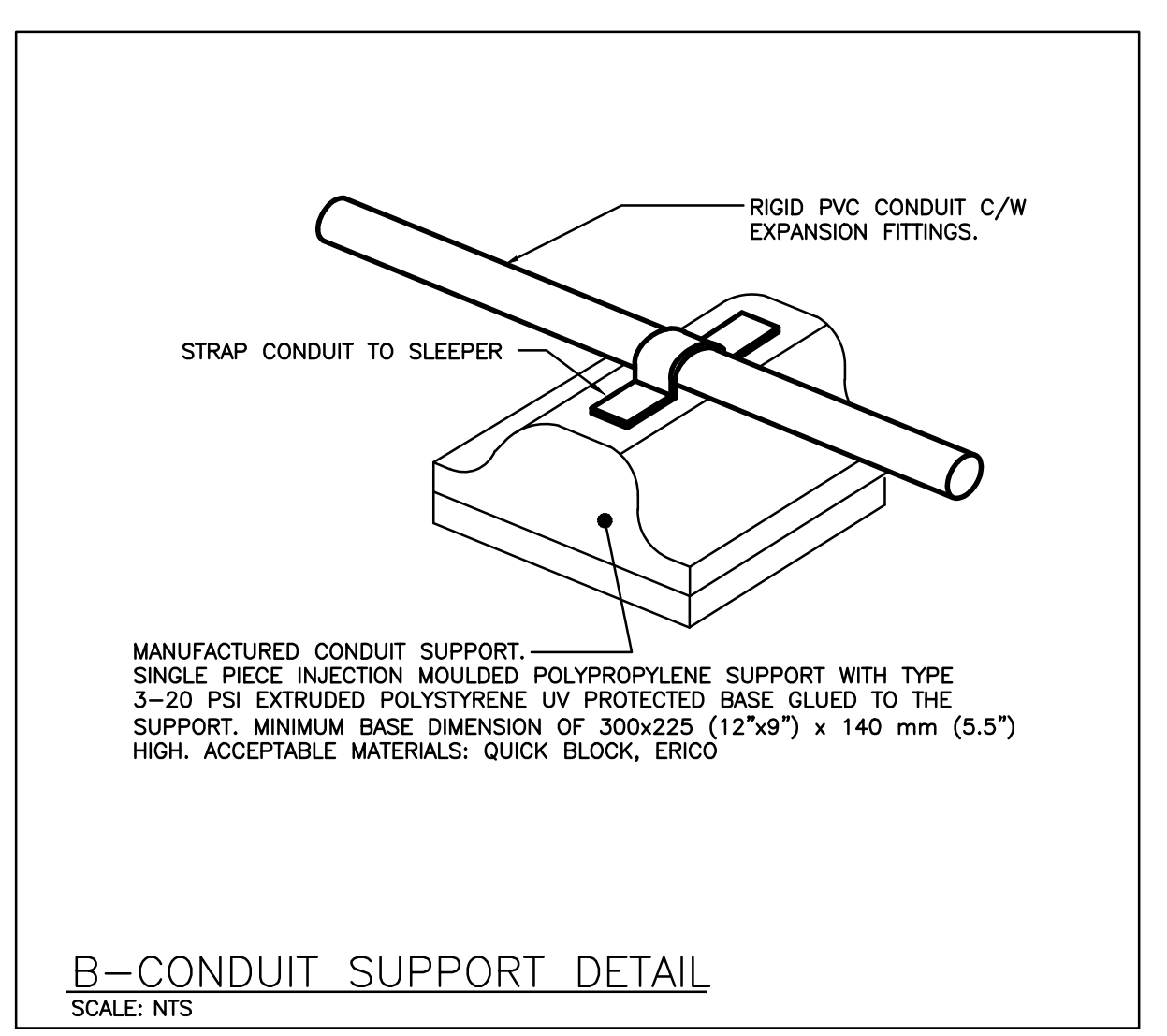
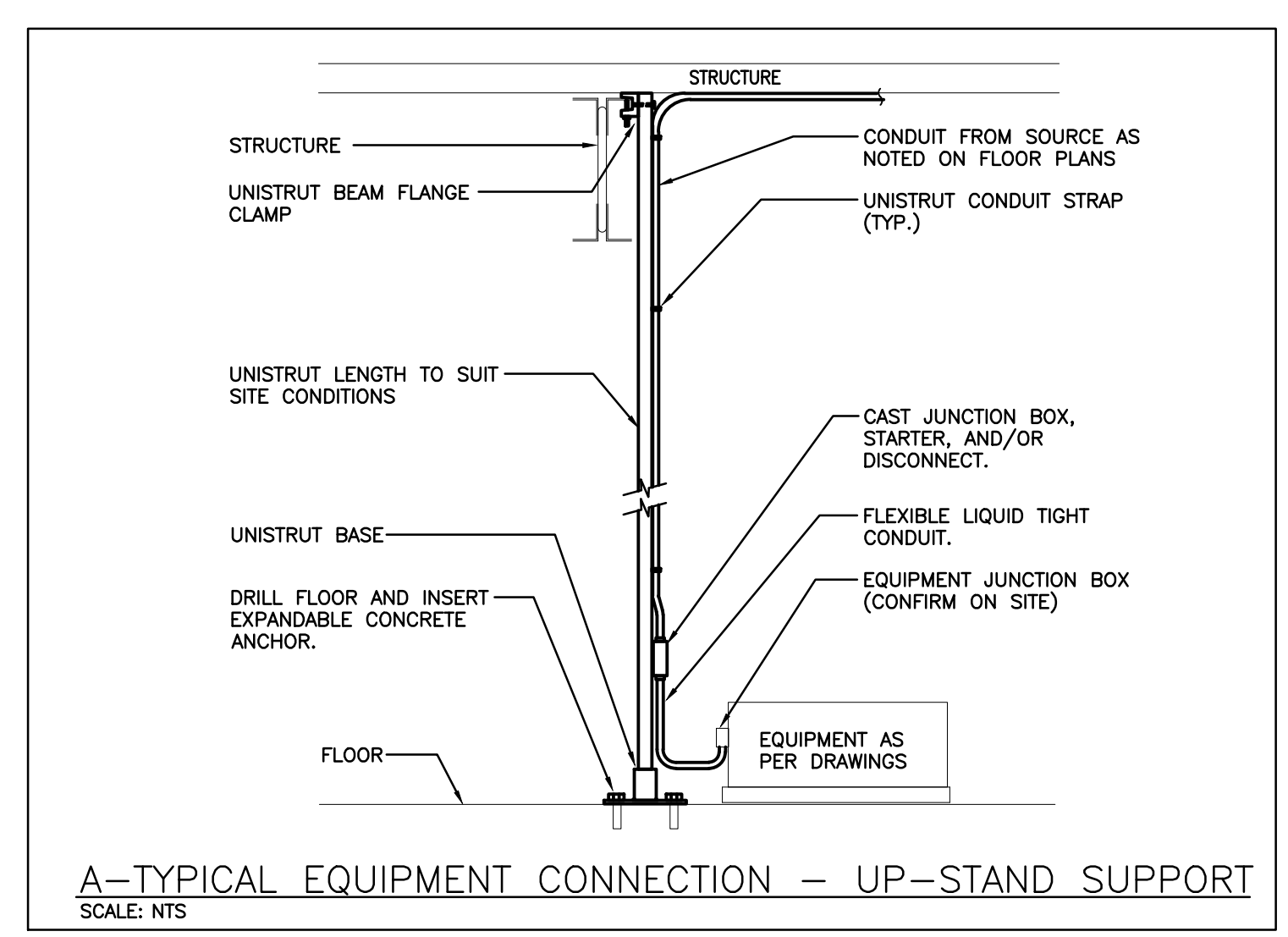
GENERAL		POWER	
ER	INDICATES EXISTING ITEM TO REMAIN	⚡	WALL MOUNTED RECEPTACLE (15A-120V)
D	INDICATES EXISTING ITEM TO BE DELETED	⚡	WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)
R	INDICATES EXISTING ITEM TO BE RELOCATED/AN RELOCATED POSITION	⊙	DIRECT CONNECTION
RE	INDICATES EXISTING SERVICE TO BE REMOVED AND REINSTALLED, REMOVE AND REINSTALL EXISTING FEEDER.	⊞	JUNCTION BOX
GF	GROUND FAULT	⚡	PANEL AS INDICATED
WP	WEATHERPROOF	⊞	FUSED DISCONNECT
⊞	NOTE INDICATOR	⊞	UNFUSED DISCONNECT
⊞	MECHANICAL ITEM NO.	⊞	VARIABLE FREQUENCY DRIVE
⊞	TRANSFORMER	⊞	COMBINATION MAGNETIC STARTER
⊞	SINGLE POLE SWITCH (P=PILOT LIGHT, M=MOTOR RATED)	⊞	MANUAL STARTER
		⊞	UNISTRUT UPSTAND
STANDARD CIRCUIT LABELING			
POWER PANEL LABEL — A-1-1			
CIRCUIT INDICATION — SWITCH LEG (IF APPLICABLE)			



GROUND FLOOR PART PLAN — SOUTH  
SCALE: 1:100

Mechanical Item	Description	Provided By	Electrical Data			Starter	Ctrl Device	Isolating Device	Remote Items		Other	Interlock	Interlock by	Remarks	
			Voltage	Size /MVA/amps	Phase				WVP System Control Panel	Smoke Control System Panel					
DHU-1	PACKAGED POOL DEHUMIDIFIER	M	575	95.3 FLA	3	125									
B-1	HEATING BOILER	M	120	FHP	1	15									
B-2	HEATING BOILER	M	120	FHP	1	15									
P-1	MAIN CIRCULATOR PUMP	M	575	1.5HP	3	15									
P-2	MAIN CIRCULATOR PUMP	M	575	1.5HP	3	15									
C-1	BOILER B-1 CIRCULATOR	M	208	0.5HP	1	15									
C-2	BOILER B-2 CIRCULATOR	M	208	0.5HP	1	15									
P-3	POOL WATER HEAT RECOVERY PUMP	M	575	1.5 HP	3	15									

Notes:  
1 PROVIDE MAIN FEED TO UNIT. PROVIDE ADDITIONAL FEED FROM TERMINAL STRIPS WITHIN UNIT TO VARIABLE FREQUENCY DRIVE AND BACK TO UNIT (IN SEPARATE CONDUITS). COORDINATE CONDUCTOR SIZE TO AND FROM VARIABLE FREQUENCY DRIVE WITH MECHANICAL SHOP DRAWINGS.



**DEI**  
Consulting Engineers Inc.  
MECHANICAL | ELECTRICAL | PLUMBING

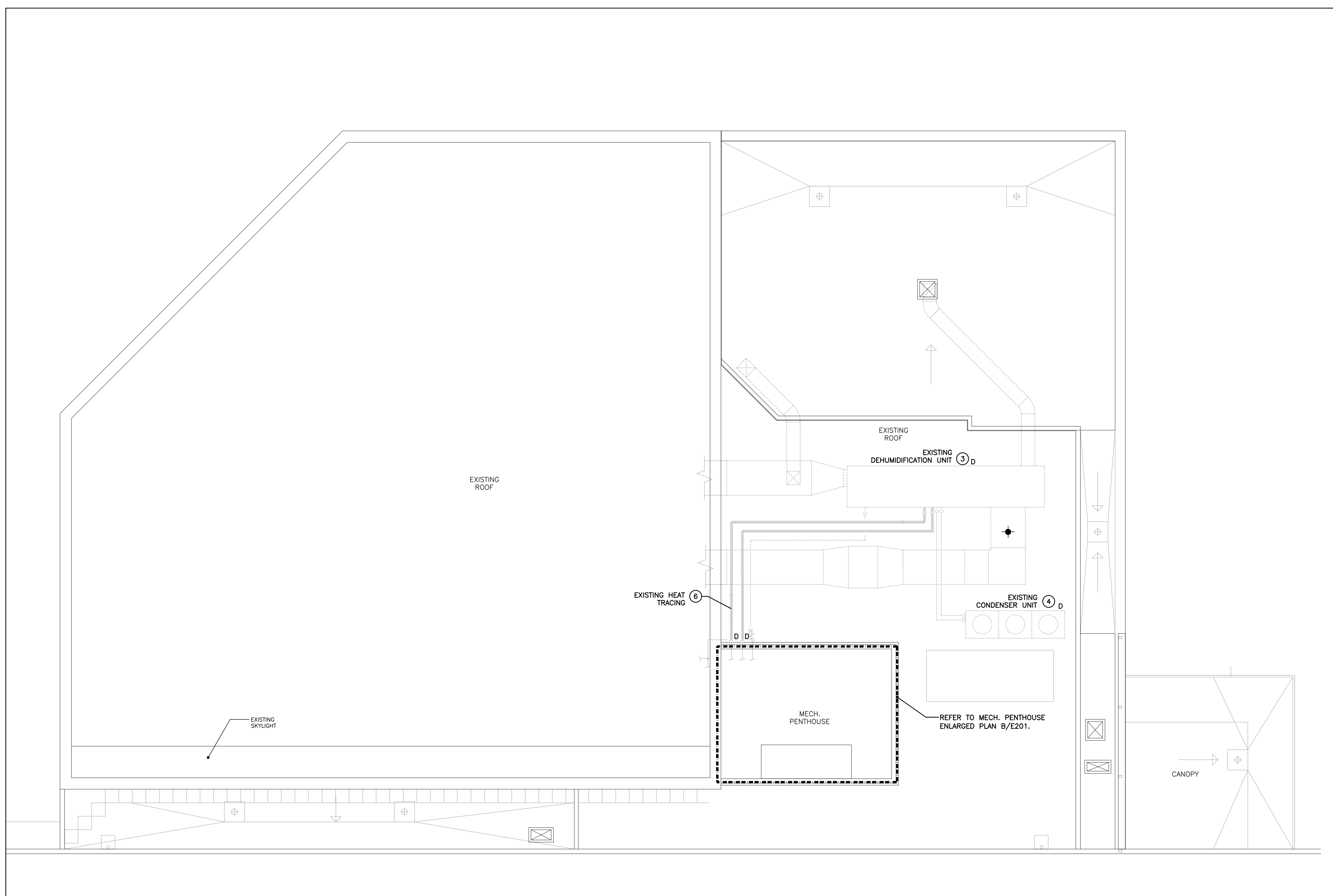
PROJECT:  
**CENTURY GARDENS  
RECREATION CENTRE**  
340 VODDEN ST. EAST,  
BRAMPTON, ONTARIO

DRAWING:  
**LEGEND, SCHEDULES,  
PART PLAN AND DETAILS**

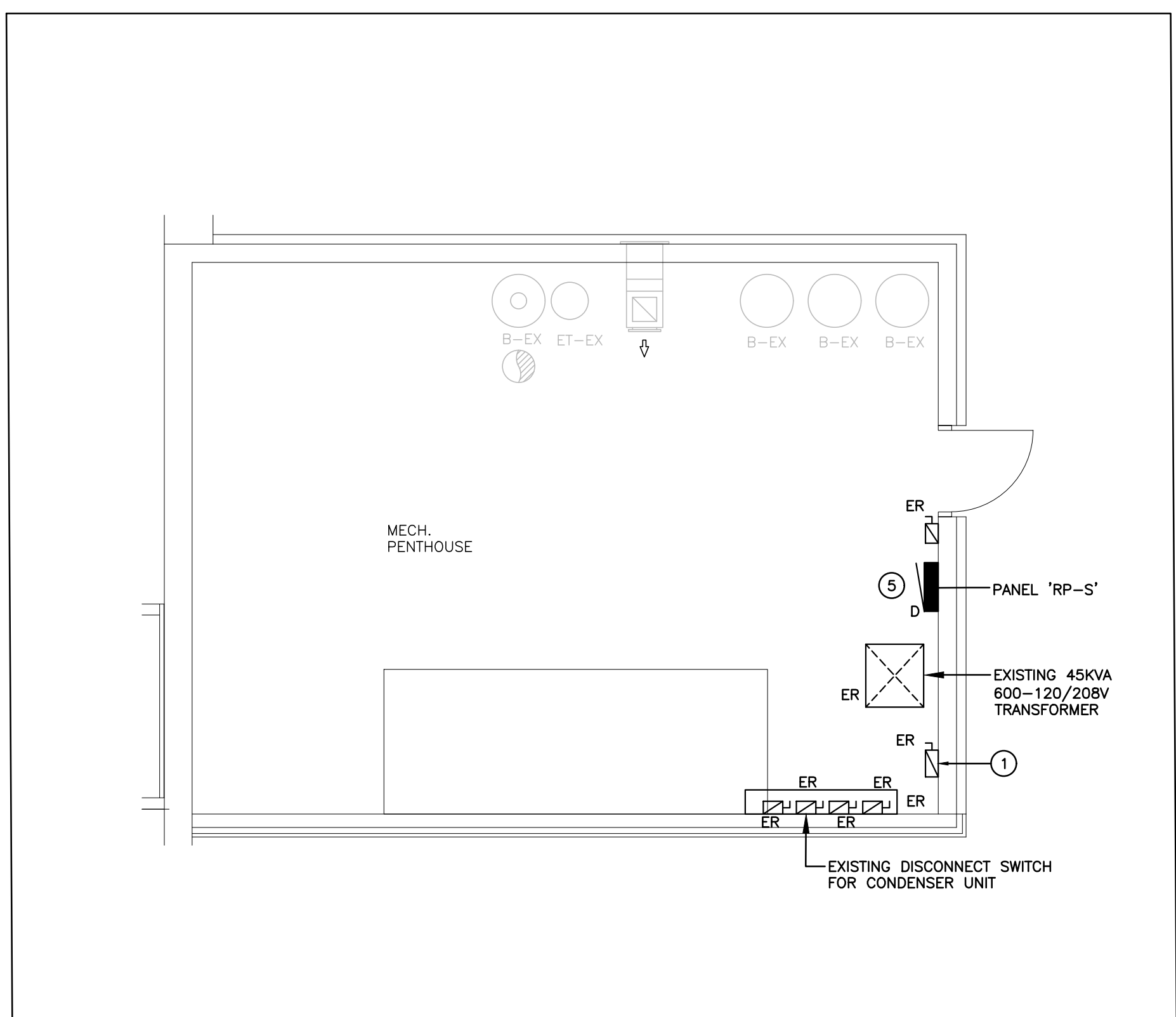
DESIGN BY: MEK  
DRAWN BY: AAA  
CHECKED BY: MEK  
DATE: NOV 2023  
SCALE: AS NOTED

PROJECT NO: 23295  
DRAWING NO: E101

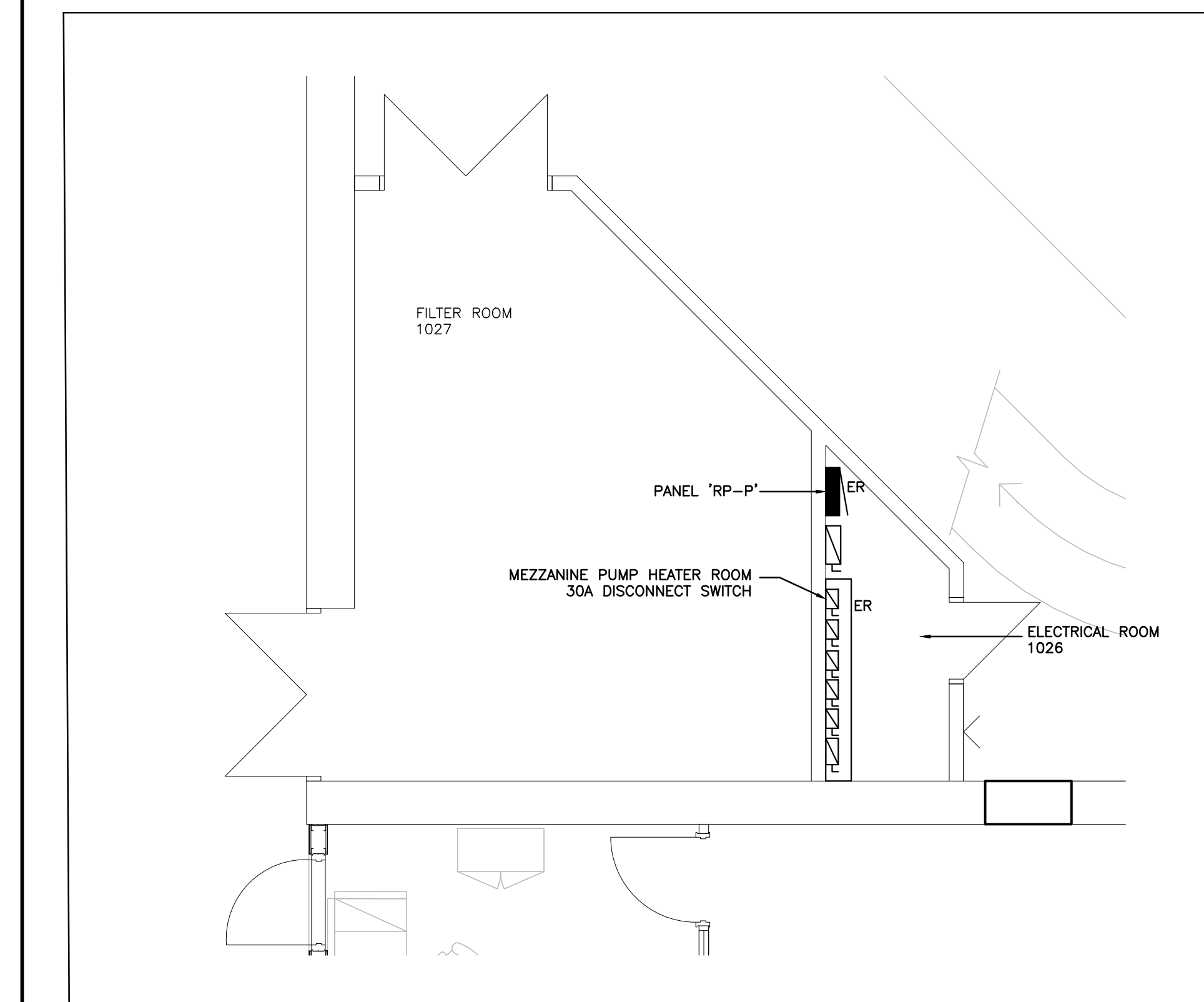




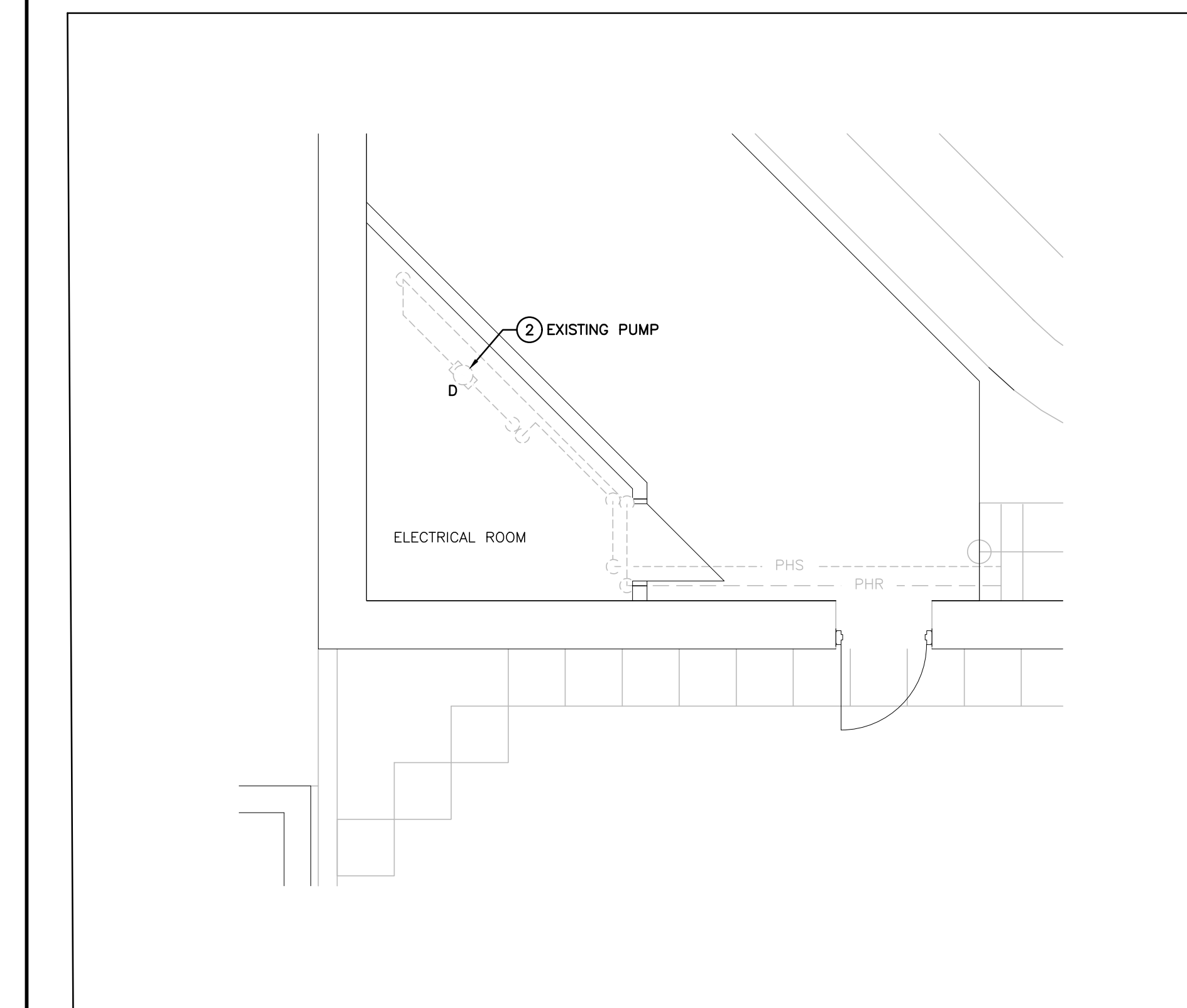
A-EXISTING ROOF PART PLAN - DEMOLITION  
SCALE: 1:100



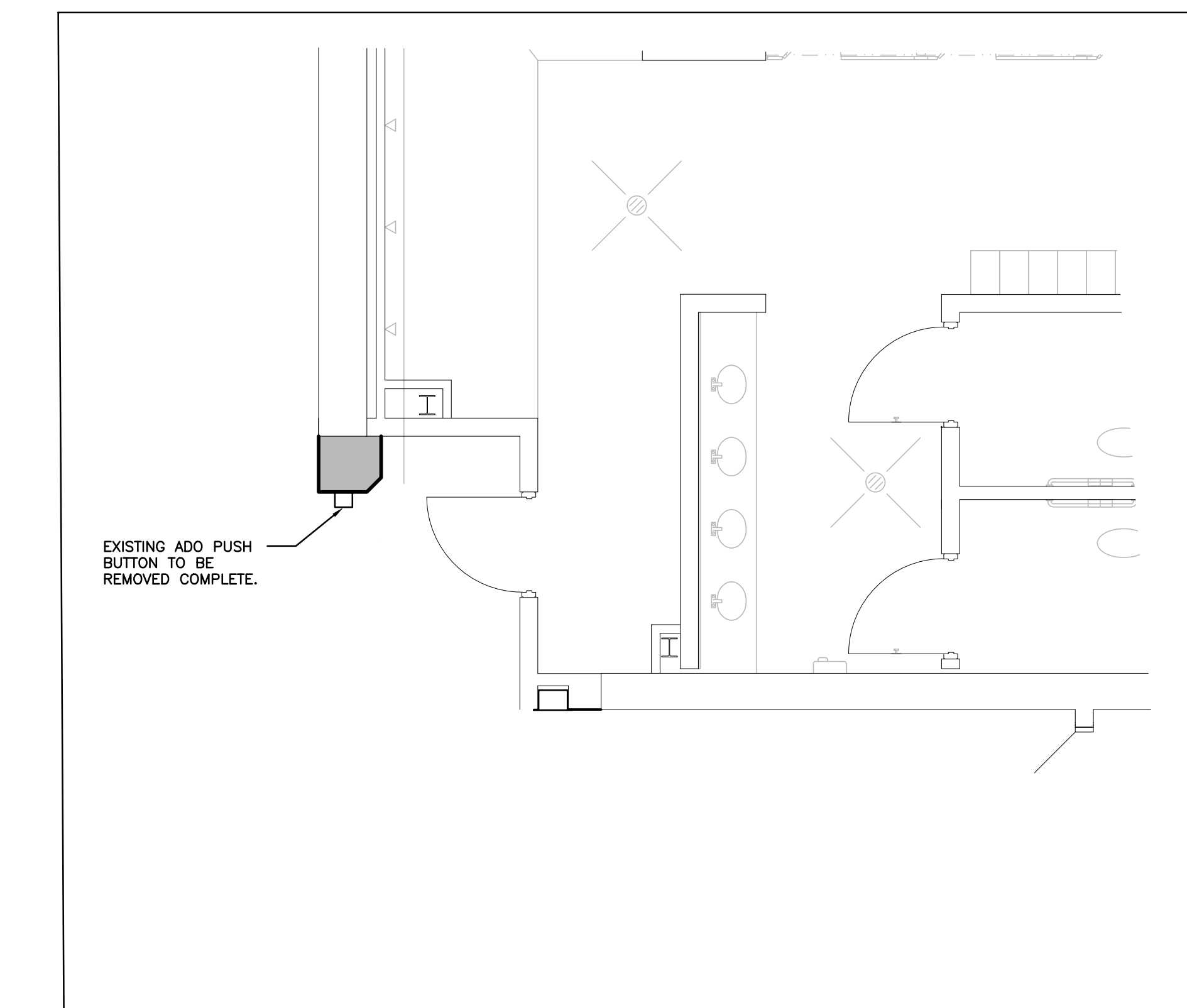
B-MECH PENTHOUSE ENLARGED PLAN - DEMOLITION  
SCALE: 1:50



C-GROUND FLOOR NORTH PART PLAN - DEMOLITION  
SCALE: 1:50



D-MEZZANINE PART PLAN - DEMOLITION  
SCALE: 1:50



E-GROUND FLOOR SOUTH PART PLAN - DEMOLITION  
SCALE: 1:50

**GENERAL DEMOLITION NOTES**

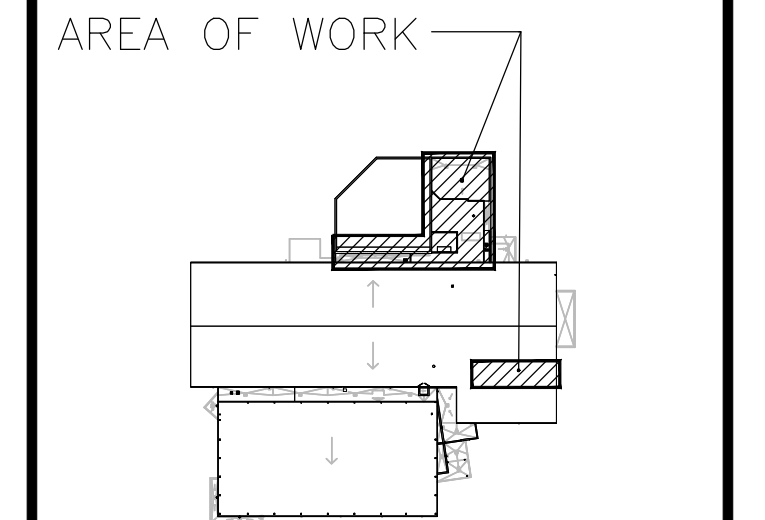
- 'EX' DENOTES EXISTING EQUIPMENT TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING EQUIPMENT TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING EQUIPMENT TO BE REMOVED, UNLESS OTHERWISE NOTED. DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE.
- REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS AND REQUIREMENTS.
- ELECTRICAL DEVICES NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK AND INCLUDE ASSOCIATED COST IN TENDOR.
- REMOVE ALL REDUNDANT CONDUIT AND WIRING WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN. INFORM OWNER OR CONSULTANT BEFORE REMOVE.
- ALL EXISTING CIRCUITS SHOWN ARE FOR REFERENCE PURPOSES ONLY. CONTRACTOR MUST TRACE CIRCUITS AND CONFIRM INFORMATION PRIOR TO DISCONNECTION AND REMOVAL / REMOVAL OF CIRCUITS.
- ALL MATERIALS REMOVED UNDER DEMOLITION, NOT TO BE RELOCATED OR DESIGNATED TO BE TURNED OVER TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED COMPLETELY FROM THE SITE.

**SPECIFIC DEMOLITION NOTES**

- 1 INDICATES EXISTING 250A NON-FUSED DISCONNECT SWITCH FOR DEHUMIDIFICATION UNIT. REFER TO RENOVATION AND POWER DISTRIBUTION DRAWINGS FOR FURTHER DETAILS.
- 2 INDICATES EXISTING PUMP TO BE REMOVED COMPLETE BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING CONDUIT, POWER AND CONTROL WIRING BACK TO LOCAL JUNCTION BOX, NETWORK AND EXTEND EXISTING CONDUIT AND WIRING FROM JUNCTION BOX FOR RECONNECTION TO NEW PUMP FOR A COMPLETE WORKING SYSTEM. REFER TO RENOVATION AND POWER DISTRIBUTION DRAWINGS FOR FURTHER DETAILS.
- 3 INDICATES EXISTING DEHUMIDIFICATION UNIT TO BE REMOVED COMPLETE BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL ISOLATE, DISCONNECT AND REMOVE EXISTING LOCAL DISCONNECT SWITCH, AND CABLE/WIRING BACK TO SOURCE AND MAKE SAFE. REFER TO RENOVATION AND POWER DISTRIBUTION DRAWINGS FOR FURTHER DETAILS.
- 4 INDICATES EXISTING CONDENSER UNIT TO BE REMOVED COMPLETE BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING LOCAL DISCONNECT SWITCH, POWER AND CONTROL WIRING/CABLE BACK TO SOURCE, DISCONNECT SWITCH AT SPLITTER AND MAKE SAFE. RETAIN EXISTING FUSED DISCONNECT SWITCH AT SPLITTER AND MARK AS SPARE. REFER TO RENOVATION AND POWER DISTRIBUTION DRAWINGS FOR FURTHER DETAILS.
- 5 INDICATES EXISTING RECEPTACLE PANEL BOARD 120/208V, 3PH/4W, 250A BUS, 18-CIRCUITS, SIEMENS, TYPE F1. PANEL BOARD SHALL BE DISCONNECTED AND REMOVED COMPLETE. CONTRACTOR SHALL ISOLATE AT EXISTING ISOLATION SWITCH AND MAKE SAFE PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL RETAIN ALL EXISTING CIRCUITS FOR RECONNECTION TO NEW PANEL BOARD. CONTRACTOR SHALL REFER TO RENOVATION DRAWING FOR NEW PANEL BOARD REPLACEMENT DETAILS.
- 6 INDICATES EXISTING HEAT TRACE SHALL BE DISCONNECTED AND REMOVED COMPLETE BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL REMOVE CONDUIT/WIRING BACK TO SOURCE POINT AND MAKE SAFE. RETAIN POWER CIRCUIT FOR RECONNECTION TO NEW HEAT TRACE. REFER TO RENOVATION AND POWER DISTRIBUTION DRAWINGS FOR FURTHER DETAILS.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.  
The drawings show general arrangements of services. Follow on copy, if it is not possible to locate the services. Do not commence work until the location of the services is confirmed. The drawings do not indicate all offsets, fittings and accessories which may be required. Provide the same to meet the required conditions and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the consultant. Do not scale this drawing.  
© 2024 DEI & Associates Inc.

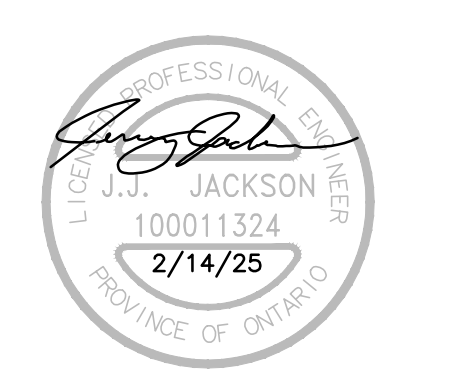
NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	2024.10.30	JJ
2	ISSUED FOR PERMIT & TENDER	2025.02.14	JJ



KEY PLAN



NORTH



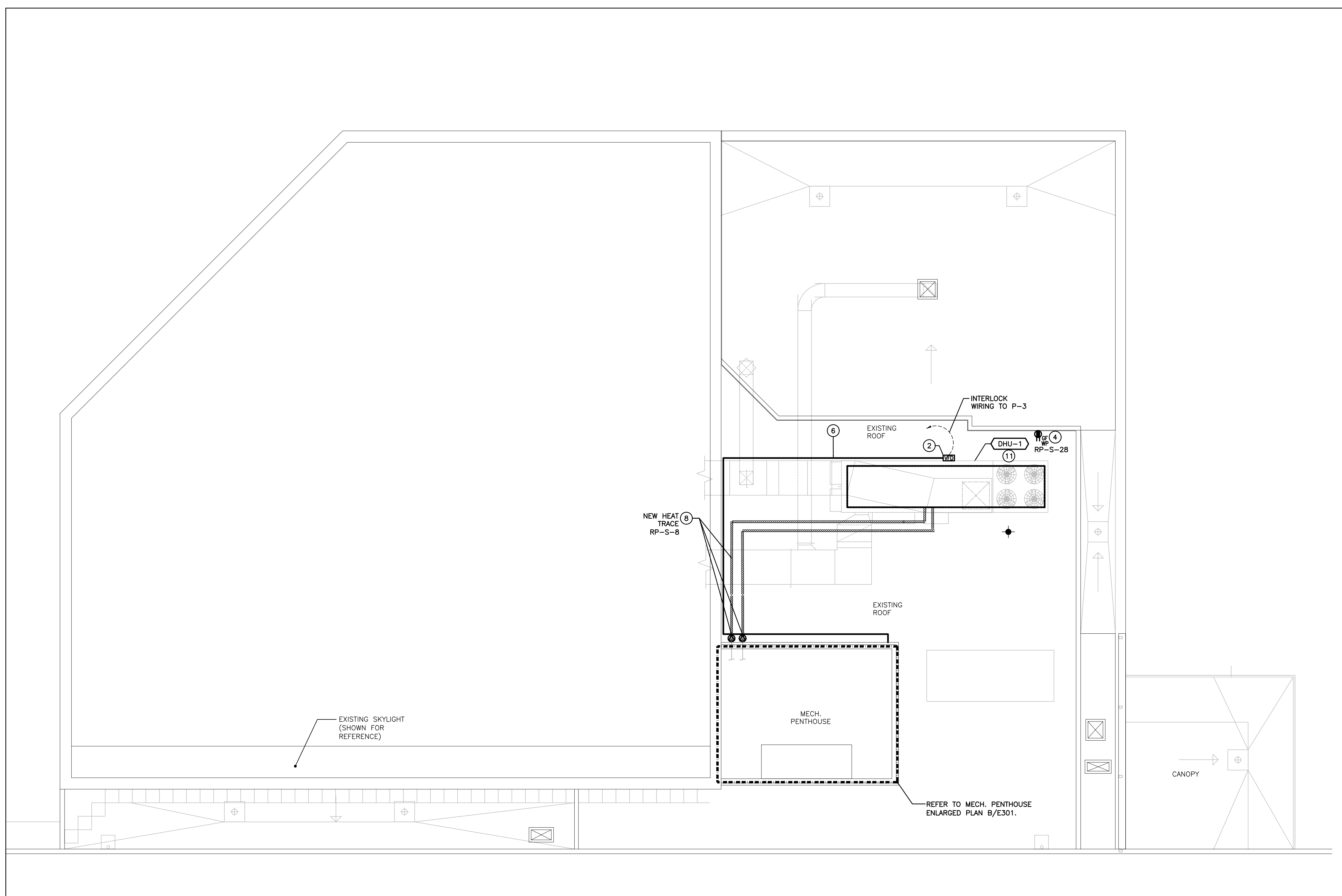
PROJECT:  
**CENTURY GARDENS RECREATION CENTRE**  
340 VODDEN ST. EAST, BRAMPTON, ONTARIO

DRAWING:  
**ENLARGED & PART PLANS - POWER & SYSTEMS DEMOLITION**

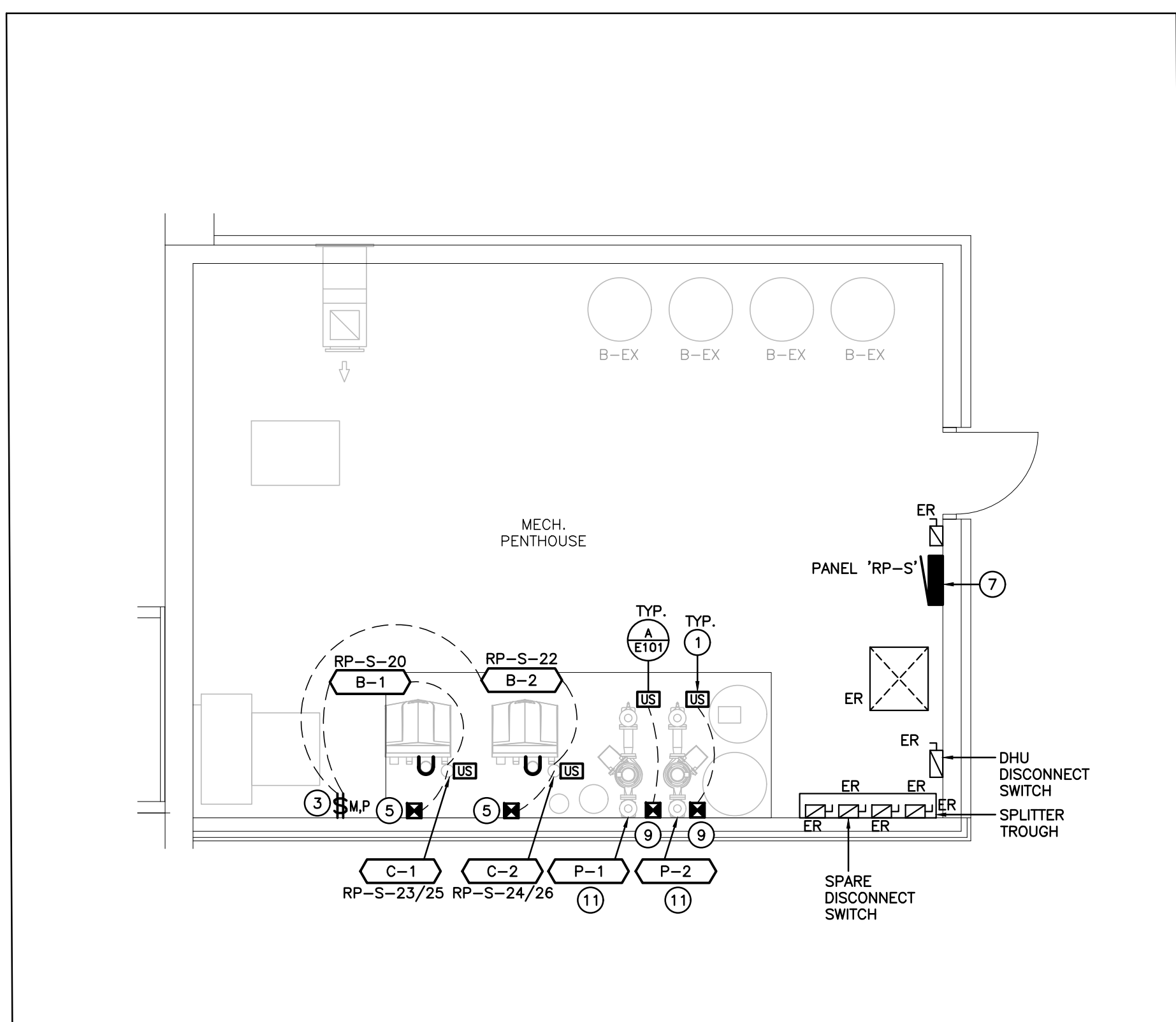
DESIGN BY: MEK  
DRAWN BY: AAA  
CHECKED BY: MEK  
DATE: FEB 2024  
SCALE: AS NOTED  
FILE:

PROJECT NO: **23295**  
DRAWING NO: **E201**

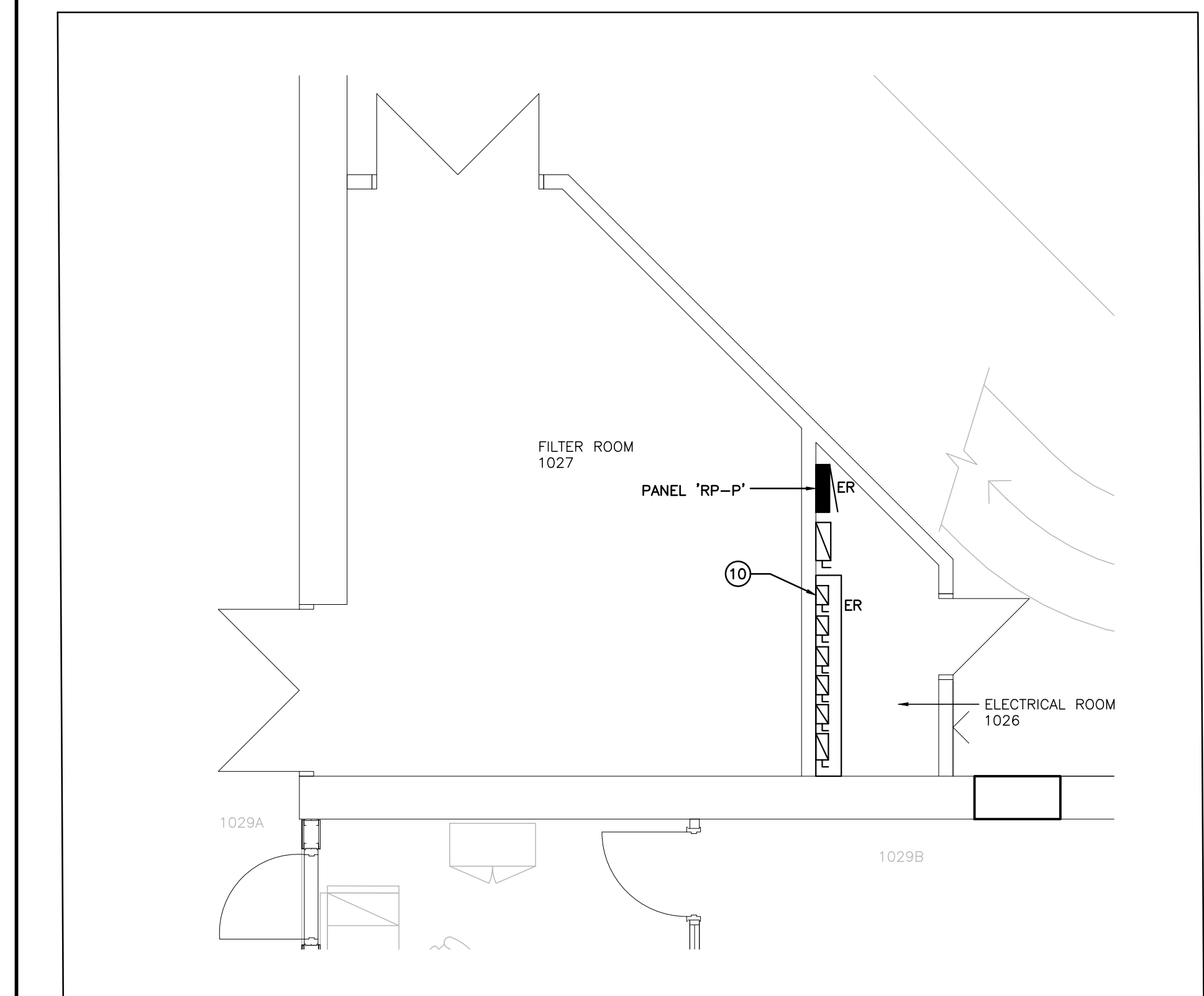




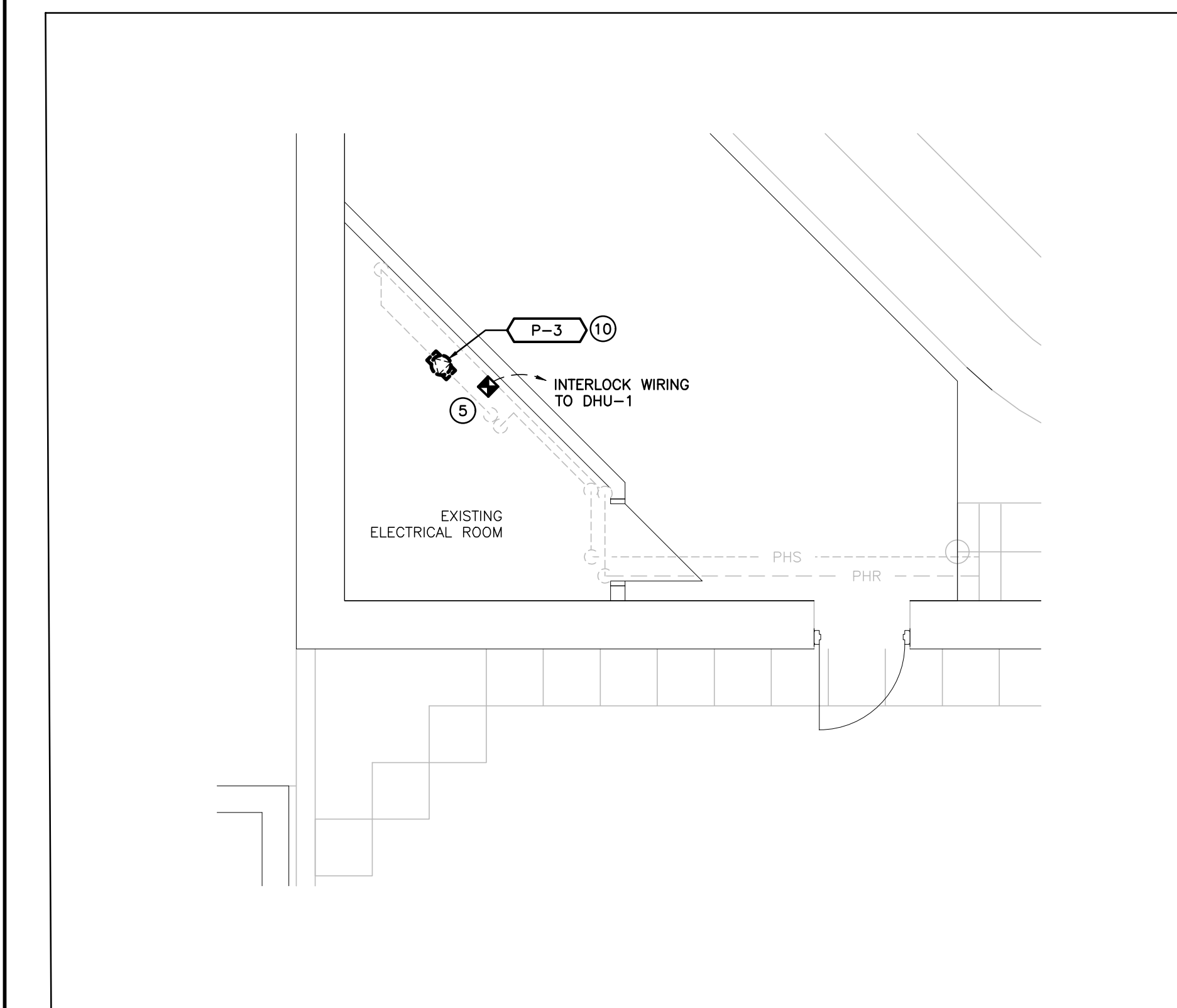
A-ROOF PART PLAN - RENOVATION  
SCALE: 1:150



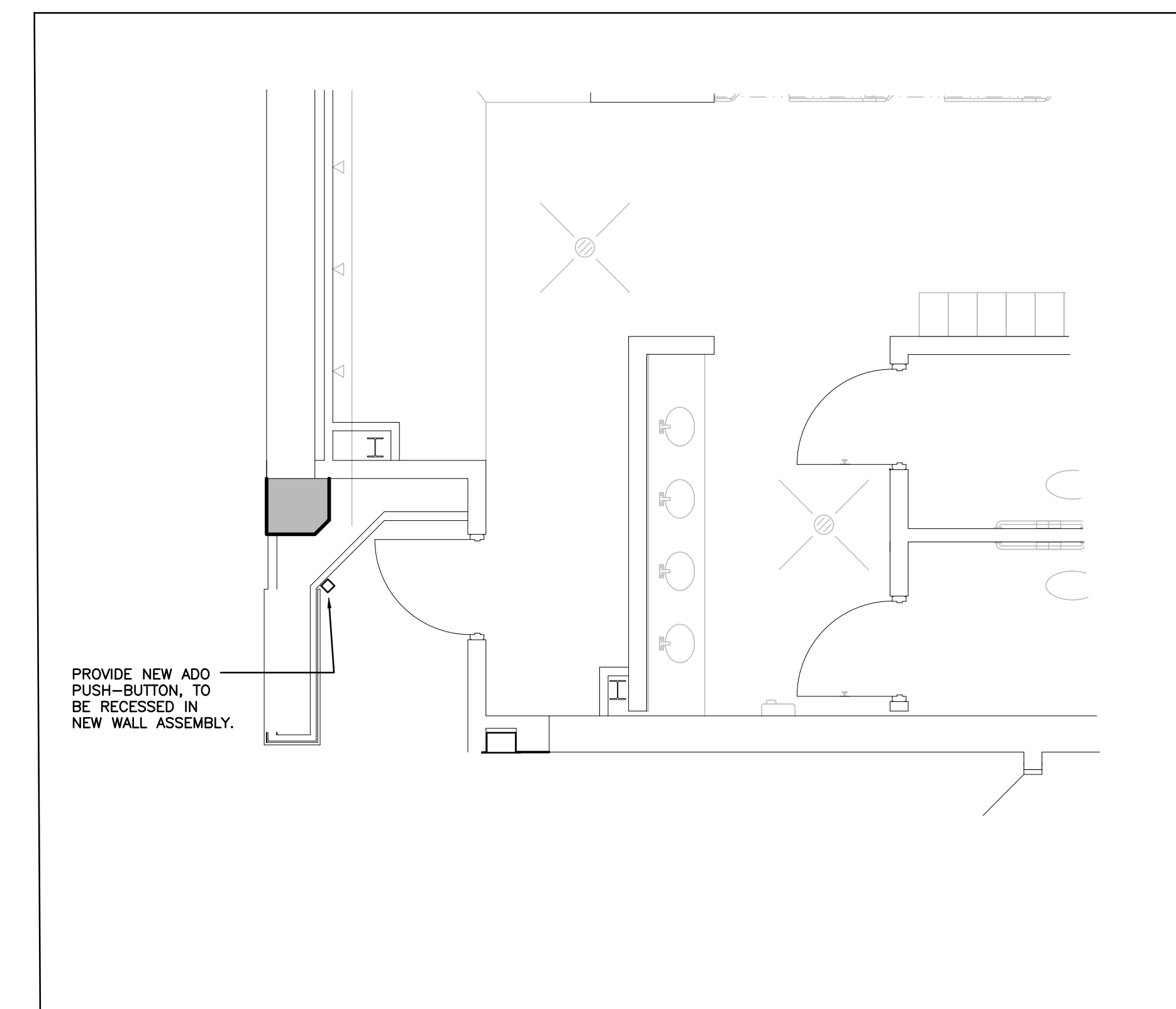
B-MECH PENTHOUSE ENLARGED PLAN - RENOVATION  
SCALE: 1:50



C-GROUND FLOOR NORTH PART PLAN - RENOVATION  
SCALE: 1:50



D-MEZZANINE PART PLAN - RENOVATION  
SCALE: 1:50



E-GROUND FLOOR PART PLAN - DEMOLITION  
SCALE: 1:50

**GENERAL NOTES**

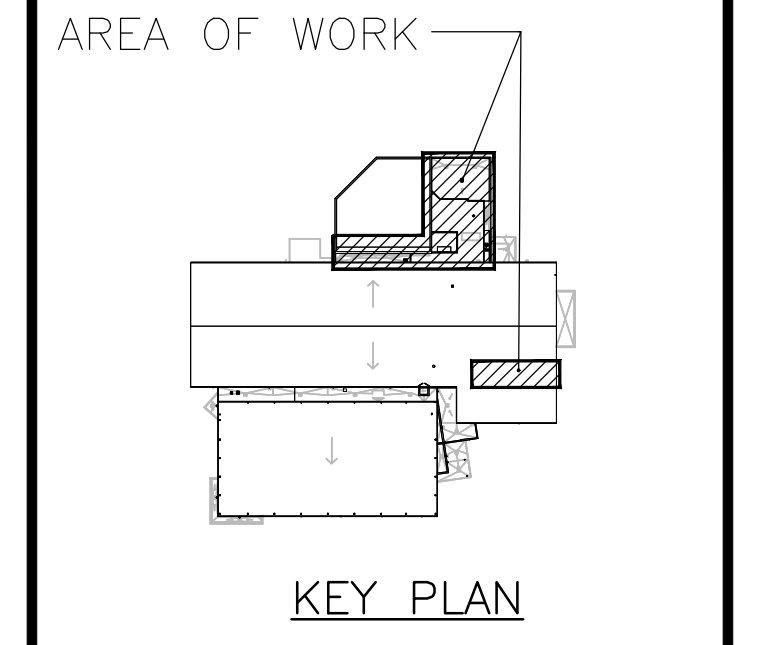
- A. "ER" DENOTES EXISTING EQUIPMENT TO REMAIN.
- B. EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- C. "R" INDICATES EXISTING EQUIPMENT TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT, UNLESS OTHERWISE NOTED.
- D. "D" INDICATES EXISTING EQUIPMENT TO BE REMOVED, UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE.
- E. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS AND REQUIREMENTS.
- F. ELECTRICAL DEVICES NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- G. REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).
- H. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK AND INCLUDE ASSOCIATED COST IN TENDER.
- I. ALL EXISTING CIRCUITS SHOWN ARE FOR REFERENCE PURPOSES ONLY. CONTRACTOR MUST TRACE CIRCUITS AND CONFIRM INFORMATION PRIOR TO DISCONNECTION AND REWORKING / REMOVING OF CIRCUITS.

**SPECIFIC RENOVATION NOTES**

- 1. PROVIDE UNSTRUCTURED UP-STAND SUPPORT SECURED TO FLOOR AND STRUCTURE. FEED SERVICES TO LOCAL EQUIPMENT VIA THIS UP-STAND. REFER TO DETAIL A/E101 AND COORDINATE EQUIPMENT LOCATION ON SITE WITH MECHANICAL CONTRACTOR.
- 2. INDICATES APPROXIMATE LOCATION FOR VFD STARTER/CONTROL CABINET SERVING NEW DEHUMIDIFICATION UNIT (DNU-1). SHALL BE SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. CONFIRM EXACT LOCATION ON SITE PRIOR TO COMMENCEMENT OF WORK. PROVIDE NEW CABLE AS PER SPECIFICATION FROM STARTER/CONTROL CABINET TO EQUIPMENT AS REQUIRED.
- 3. INDICATES PROPOSED LOCATION TO INSTALL MOTOR RATED SHUT OFF SWITCHES C/W PLED LIGHT FOR NEW BOILERS. MOUNT SWITCHES AT 1800MM A.F.F. PROVIDE LAMACOOD LABEL NOTING EQUIPMENT CONTROLLED.
- 4. PROVIDE 1-SLOT GROUND FAULT RECEPTACLE COMPLETE WITH "N-USE" WEATHER-PROOF COVER. COORDINATE PLACEMENT WITH MECHANICAL TRADE PRIOR TO ROUGH-IN. INDICATED DEVICE IS TO BE MOUNTED 750MM ABOVE FINISHED FLOOR LEVEL. PROVIDE SUITABLE SUPPORT AT MECHANICAL EQUIPMENT.
- 5. INDICATES PROPOSED LOCATION FOR MANUAL STARTERS SERVING NEW PUMPS TO BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT ON SITE.
- 6. INDICATES NEW CABLE RUN TO EXISTING DISCONNECT SWITCH IN MECHANICAL PENTHOUSE. CONTRACTOR SHALL FOLLOW EXISTING ROUTING AND PROVIDE SUPPORT AS REQUIRED.
- 7. CONTRACTOR SHALL PROVIDE NEW PANEL BOARD IN-PLACE OF EXISTING PANEL BOARD. RECONNECT ALL BRANCH CIRCUITS MADE AVAILABLE DURING DEMOLITION PHASE.  
REPLACEMENT PANEL SHALL BE AS FOLLOWS:  
PROVIDE INTERIOR AND TRIM  
120/208V, 3PH, 4W, 250A BUS  
MAIN LUGS ONLY  
100% NEUTRAL  
42 CIRCUITS  
SERVING TYPE P-1, TOP FEED  
SPRINKLER HOOD  
SURFACE MOUNT  
C/W NEW BREAKERS AS NOTED IN PROPOSED PANEL SCHEDULE.  
CONTRACTOR SHALL PROVIDE NEW LAMACOOD TAG AND LABEL PANEL AS "RP-S".
- 8. INDICATES NEW HEAT TRACE BY MECHANICAL TRADE. ELECTRICAL CONTRACTOR SHALL PROVIDE CONNECTION TO HEAT TRACING SYSTEM. PROVIDE GROUND FAULT PROTECTION TO SUIT O.E.S.C. UTILIZE EXISTING CIRCUIT MADE AVAILABLE DURING DEMOLITION. REFER TO PROPOSED PANEL SCHEDULE FOR FURTHER DETAILS. COORDINATE CONNECTION REQUIREMENTS WITH MECHANICAL TRADE PRIOR TO ROUGH-IN.
- 9. INDICATES APPROXIMATE LOCATION OF COMBINATION MAGNETIC STARTERS SERVING NEW MAIN CIRCULATION PUMPS. SUPPLIED, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. PROVIDE AS PER SPECIFICATIONS. PROVIDE NEW CABLING AS PER POWER DISTRIBUTION.
- 10. REWORK AND EXTEND EXISTING CONDUIT AND WIRING MADE AVAILABLE DURING DEMOLITION FROM NEAREST LOCAL JUNCTION BOX TO STARTER INDICATED AND FROM STARTER TO NEW PUMP. UPDATE EXISTING SOURCE DISCONNECT SWITCH WITH NEW LAMACOOD PLATE INDICATING NEW EQUIPMENT TAG "P-3". REFER TO POWER DISTRIBUTION DRAWING FOR FURTHER DETAILS.
- 11. REFER TO RENOVATION SINGLE LINE DIAGRAM, DRAWING #E401 FOR CIRCUIT DETAILS.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.  
The drawings are general arrangements of services. Follow on copy, if not stated, shall be confirmed by the Contractor before commencement of the work.  
The drawings do not indicate all offsets, fittings and accessories which may be required. Provide the same to meet the required drawings and specifications, etc., prepared and issued by the Consultant are the property of the consultant and must be returned at the completion of the project. These documents do not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing.  
© 2024 DEI & Associates Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	2024.10.30	JJ
2	ISSUED FOR PERMIT & TENDER	2025.02.14	JJ



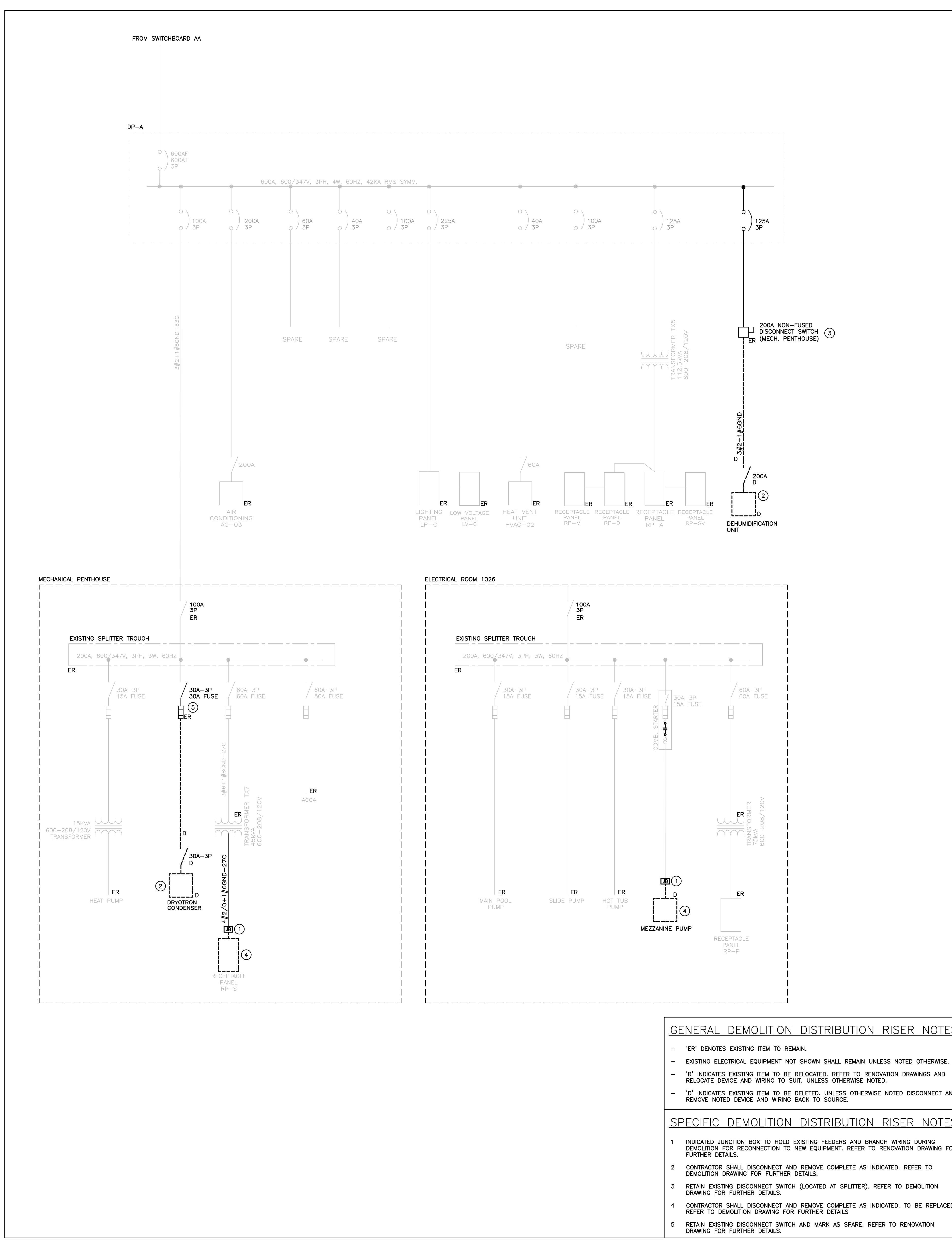
PROJECT:  
**CENTURY GARDENS RECREATION CENTRE**  
340 VODDEN ST. EAST, BRAMPTON, ONTARIO

DRAWING:  
**ENLARGED & PART PLANS - POWER & SYSTEMS RENOVATION**

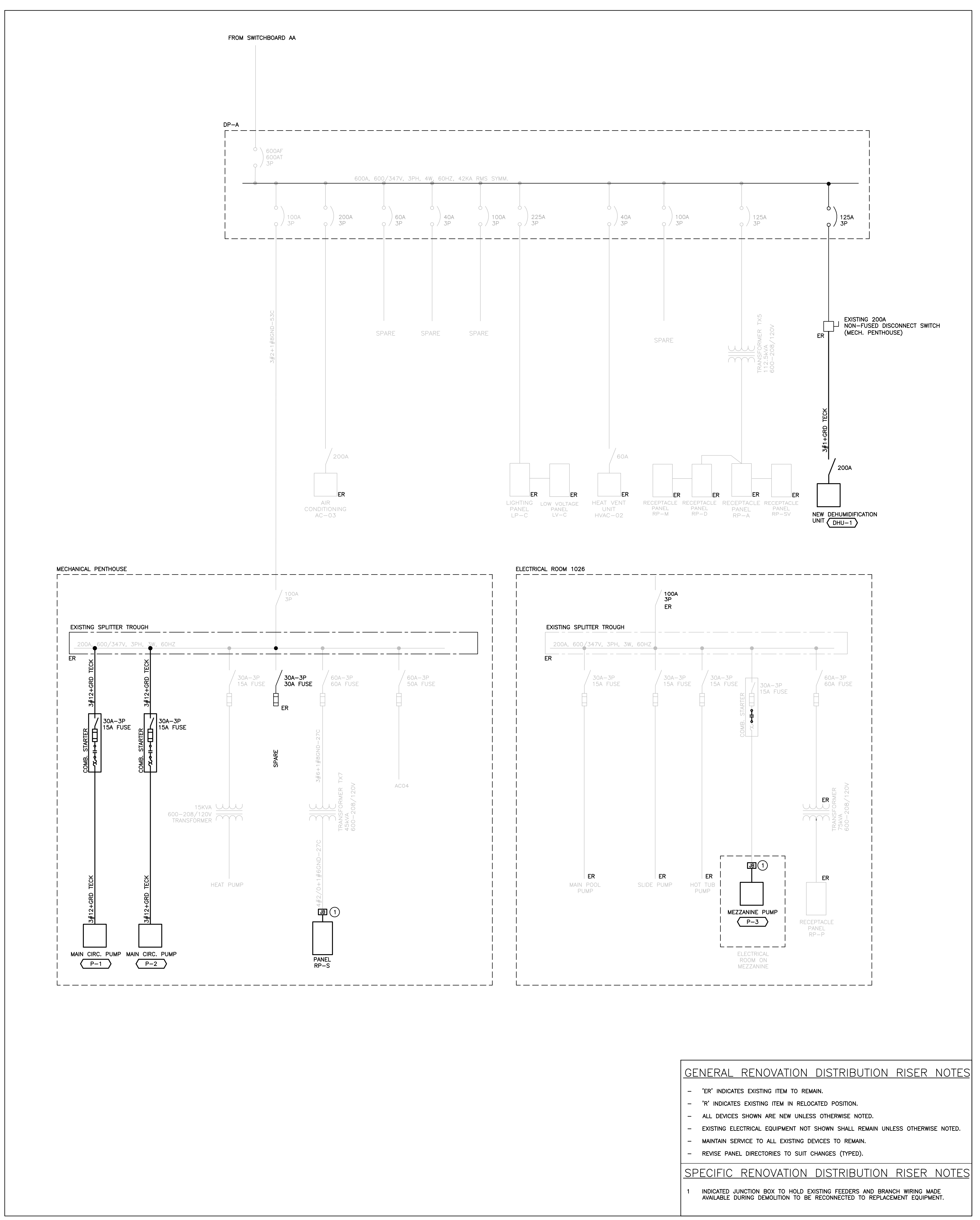
DESIGN BY: MEK  
DRAWN BY: AAA  
CHECKED BY: MEK  
DATE: FEB 2024  
SCALE: AS NOTED

PROJECT NO: **23295**  
DRAWING NO: **E301**





A-PARTIAL SINGLE LINE DIAGRAM - POWER DISTRIBUTION - DEMOLITION  
SCALE: N.T.S.



B-PARTIAL SINGLE LINE DIAGRAM - POWER DISTRIBUTION - RENOVATION  
SCALE: N.T.S.

- GENERAL DEMOLITION DISTRIBUTION RISER NOTES**
- 'ER' DENOTES EXISTING ITEM TO REMAIN.
  - EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
  - 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT, UNLESS OTHERWISE NOTED.
  - 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- SPECIFIC DEMOLITION DISTRIBUTION RISER NOTES**
- 1 INDICATED JUNCTION BOX TO HOLD EXISTING FEEDERS AND BRANCH WIRING DURING DEMOLITION FOR RECONNECTION TO NEW EQUIPMENT. REFER TO RENOVATION DRAWING FOR FURTHER DETAILS.
  - 2 CONTRACTOR SHALL DISCONNECT AND REMOVE COMPLETE AS INDICATED. REFER TO DEMOLITION DRAWING FOR FURTHER DETAILS.
  - 3 RETAIN EXISTING DISCONNECT SWITCH (LOCATED AT SPLITER), REFER TO DEMOLITION DRAWING FOR FURTHER DETAILS.
  - 4 CONTRACTOR SHALL DISCONNECT AND REMOVE COMPLETE AS INDICATED. TO BE REPLACED. REFER TO DEMOLITION DRAWING FOR FURTHER DETAILS.
  - 5 RETAIN EXISTING DISCONNECT SWITCH AND MARK AS SPARE. REFER TO RENOVATION DRAWING FOR FURTHER DETAILS.

- GENERAL RENOVATION DISTRIBUTION RISER NOTES**
- 'ER' INDICATES EXISTING ITEM TO REMAIN.
  - 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
  - ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
  - EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
  - MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
  - REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).
- SPECIFIC RENOVATION DISTRIBUTION RISER NOTES**
- 1 INDICATED JUNCTION BOX TO HOLD EXISTING FEEDERS AND BRANCH WIRING MADE AVAILABLE DURING DEMOLITION TO BE RECONNECTED TO REPLACEMENT EQUIPMENT.

**EXISTING PANEL 'RP-S' SCHEDULE**

VOLTAGE: 120/208 VOLTS  
PHASE: 3P, 4W  
NEUTRAL BUS: FULL MOUNTING SURFACE  
NOTES: EXISTING

PENTHOUSE LIGHTS	15A	1	2	15A	EXHAUST FAN
CIRC. PUMP	15A	3	4	3P	
BURNER CONTROL	15A	5	6	3P	
HVU	15A	7	8	20A	HEAT TRACE (DRY-G-TROX)
	15A	9	10	15A	POOL HEAT/AC
	60A	11	12	60A	SAUNA
NORTH/EAST ENTR. HEATER	60A	13	14	3P	GF & RECEPT AT PANEL F BUCT
	15A	15	16	15A	HEATER CONTROLLER
	15A	17	18	15A	

**PROPOSED PANEL 'RP-S' SCHEDULE**

VOLTAGE: 120/208 VOLTS  
PHASE: 3P, 4W  
NEUTRAL BUS: FULL MOUNTING SURFACE  
NOTES: C/W SPRINKLER HOOD

PENTHOUSE LIGHTS	15A	1	2	15A	EXHAUST FAN
CIRC. PUMP	15A	3	4	3P	
BURNER CONTROL	15A	5	6	3P	
HVU	15A	7	8	20A	HEAT TRACE
	15A	9	10	15A	POOL HEAT/AC
	60A	11	12	60A	SAUNA
NORTH/EAST ENTR. HEATER	60A	13	14	3P	GF & RECEPT AT PANEL F BUCT
	15A	15	16	15A	HEATING BOILER
	15A	17	18	15A	HEATING BOILER
SPARE	15A	19	20	15A	MAN CIRC. PUMP
SPARE	20A	21	22	15A	MAN CIRC. PUMP
SPARE	20A	23	24	15A	MAN CIRC. PUMP
SPARE	20A	25	26	2P	
SPARE	20A	27	28	20A	MAINTENANCE RECEPT AT DHU-1
SPARE	15A	29	30	15A	SPACE
	15A	31	32	15A	SPACE
	15A	33	34	15A	SPACE
	15A	35	36	15A	SPACE
	15A	37	38	15A	SPACE
	15A	39	40	15A	SPACE
	15A	41	42	15A	SPACE

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 22000A (MIN). PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.  
The drawings show general arrangements of services. Follow on site and verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.  
The drawings do not indicate all offsets, fittings and accessories which may be required. Provide the same to meet the required conditions.  
Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned to the consultant at the completion of the project. These documents are not to be duplicated or copied without the consent of the consultant. Do not scale this drawing.  
© 2024 DEI & Associates Inc.

NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	2024.10.30	JJ
2	ISSUED FOR PERMIT & TENDER	2025.02.14	JJ



PROJECT:  
**CENTURY GARDENS RECREATION CENTRE**  
340 VODDEN ST. EAST  
BRAMPTON, ONTARIO

DRAWING:  
**POWER DISTRIBUTION & PANEL SCHEDULE - DEMO & RENO**

DESIGN BY: MEK  
DRAWN BY: AAA  
CHECKED BY: MEK  
DATE: FEB 2024  
SCALE: AS NOTED  
FILE:

PROJECT NO: 23295  
DRAWING NO: E401



- ELECTRICAL SPECIFICATION**
- GENERAL NOTES**
- PROVIDE LABOUR MATERIAL AND EQUIPMENT REQUIRED TO PROVIDE A COMPLETE INSTALLATION WITH QUALITY WORKSMANSHIP ACCEPTABLE TO THE OWNER, ARCHITECT AND CONSULTANT.
  - OBTAIN ALL PERMITS AND PAY ALL TAXES, FEES AND OTHER COSTS INCURRED WITH THIS WORK. FILE ALL PLANS, OBTAIN NECESSARY APPROVALS, CERTIFICATES AND INSPECTIONS. SUBMIT ALL FINAL CERTIFICATES TO THE CONSULTANT.
  - COMPLY WITH RULES AND RECOMMENDATIONS OF THE BOARD OF UNDERWRITERS, ELECTRICAL SAFETY AUTHORITY, THE CANADIAN STANDARDS ASSOCIATION AND ALL REQUIREMENTS OF THE LOCAL UTILITY.
  - VISIT THE SITE BEFORE SUBMITTING TENDERS TO EVALUATE ANY SITE CONDITIONS THAT MIGHT ARISE. INCLUDE ALL SITE CONDITIONS IN TENDER. EXTRAS WILL NOT BE ACCEPTED UNLESS BELIEVED TO BE REASONABLE BY THE OWNER AND CONSULTANT.
  - CUTTING AND PATCHING SHALL BE BY THE CONTRACTOR REQUIRING TO INSTALL THE SERVICE.
  - THE DRAWINGS ARE DIAGRAMMATIC. THE SERVICES SHALL BE INSTALLED TO CONSERVE HEADROOM AND INTERFERE AS LITTLE AS POSSIBLE WITH THE FREE USE OF THE SPACES THROUGH WHICH THEY PASS.
  - SUBMIT COPIES OF SHOP DRAWINGS AS PDF FILES VIA EMAIL FOR ALL MAJOR EQUIPMENT. THESE WILL BE REVIEWED BY THE CONSULTANT. RESUBMIT AS OFTEN AS MAY BE FOUND NECESSARY.
  - PROVIDE ALL NECESSARY PROTECTION FOR FINISHED OR UNFINISHED WORK. ALL OPENINGS IN CONDUITS, DUCTS AND EQUIPMENT SHALL BE CAPPED TO ENSURE SERVICES ARE KEPT CLEAN WHEN NOT IN USE.
  - MAINTAIN INSURANCE TO FULLY PROTECT THE CONTRACTOR, OWNER AND CONSULTANT FROM ANY AND ALL CLAIMS SUCH AS UNDER THE WORKMEN'S COMPENSATION ACT, ETC. POST PROJECT NOTIFICATION AT THE SITE IN ACCORDANCE WITH THE MINISTRY OF LABOUR REQUIREMENTS.
  - PROVIDE STRUCTURAL SUPPORTS, PLATFORMS, SUPPORTING ROOFS, HANGERS, INSERTS AND BRACKETS FOR EQUIPMENT AND SERVICES. DO NOT SUPPORT SERVICES FROM STEEL DECK.
  - INSTRUCT THE OWNER'S STAFF IN THE CARE, MAINTENANCE AND OPERATION OF THE SYSTEMS.
  - WARRANTY ALL LABOUR, MATERIAL AND EQUIPMENT FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE OF SYSTEM.
  - COORDINATE WITH OTHER CONTRACTORS INSTALLING EQUIPMENT OR MATERIAL AND ARRANGE EQUIPMENT IN PROPER RELATION WITH APPARATUS OF ALL OTHER TRADES.
  - PROVIDE LAMICOD TAGS FOR IDENTIFICATION OF NEW EQUIPMENT ADDED.
  - MOUNTING HEIGHTS SHALL BE AS FOLLOWS FROM FINISHED FLOOR TO CENTERLINE OF DEVICE/EQUIPMENT (UNLESS OTHERWISE NOTED):
    - SWITCHES: 1100mm (44")
    - WALL RECEPTACLES:
      - GENERAL: 800mm (16")
      - IN MECHANICAL/ELECTRICAL ROOMS: 1100mm (44") (GANG WITH SWITCH).
  - ALL AREAS NOT AFFECTED BY RENOVATION OR DEMOLITION SHALL REMAIN AS PRESENTLY INSTALLED UNLESS OTHERWISE NOTED.
  - ALL EXISTING ELECTRICAL DEVICES, OUTLET BOXES, ETC., NOT SHOWN ON DRAWINGS OR MENTIONED IN THE FOLLOWING NOTES AND INSTALLED IN WALLS SLATED FOR DEMOLITION SHALL BE DISCONNECTED AND REMOVED COMPLETELY IN ALL RESPECTS.
  - EXCAVATION AND BACKFILLING SHALL BE BY THE TRADE INSTALLING THE SERVICE.
  - SUBMIT ONE COPY OF OPERATING AND MAINTENANCE INSTRUCTIONS IN A THREE RING BINDER LABELED FOR THE PROJECT COMPLETE WITH TYPED SECTIONS CONTAINING PROJECT DATA, SHOP DRAWINGS, ETC. UPON ACCEPTANCE OF THE OPERATION AND MAINTENANCE MANUAL BY THE CONSULTANT PROVIDE TWO ADDITIONAL COPIES BOUND IN SEPARATE THREE RING BINDERS. A PDF FILE OF THE ENTIRE MANUAL IS TO BE PROVIDED ON A USB STICK. ONLY ONE USB STICK IS TO BE PROVIDED CONTAINING BOTH THE APPROVED MANUALS AND RECORD DRAWINGS.
  - CONTRACTOR SHALL PROVIDE 2 SETS OF REPRODUCIBLE ELECTRICAL DRAWINGS. MARK THEREON ALL CHANGES AS WORK PROGRESSES AND AS CHANGES OCCUR. THIS SHALL INCLUDE FIELD AND CONTRACT CHANGES TO ELECTRICAL SYSTEMS. IDENTIFY EACH DRAWING IN LOWER RIGHT HAND CORNER IN LETTERS AT LEAST 20mm (1/4") HIGH AS FOLLOWS: "RECORD DRAWINGS. THIS DRAWING HAS BEEN REVISED TO SHOW ELECTRICAL SYSTEMS AS INSTALLED. (SIGNATURE OF CONTRACTOR/GATE)". SUBMIT HARD COPY TO CONSULTANT FOR APPROVAL. WHEN RETURNED, MAKE CORRECTIONS (IF ANY) AS DIRECTED. ONCE APPROVED, SUBMIT COMPLETED REPRODUCIBLE PAPER RECORD DRAWINGS AS WELL AS A SCANNED PDF COPY FILE ON USB STICK WITH OPERATING AND MAINTENANCE MANUALS.
  - CONTRACTOR SHALL PROVIDE RED LINE RECORD DRAWINGS OF EACH AND EVERY ELECTRICAL DRAWING FOR DEI CONSULTING ENGINEERS TO CAD THE RECORD DRAWINGS. THE CAD DRAWING FILES WILL BE PROVIDED TO THE OWNER AS PART OF THE MAINTENANCE MANUALS.
  - THE CONTRACTOR IS TO DETERMINE GENERAL INSPECTION FEES WITH THE ELECTRICAL SAFETY AUTHORITY AND INCLUDE AS PART OF TENDER.
  - A SUBMISSION HAS BEEN MADE (IF REQUIRED BY THE SCOPE OF PROJECT) BY THE CONSULTANT TO THE ELECTRICAL SAFETY AUTHORITY FOR REVIEW OF THIS PROJECT. THE PAYMENT OF THE REQUIRED REVIEW COSTS WILL BE COORDINATED BY THE CONSULTANT. A COPY OF THE ELECTRICAL SAFETY AUTHORITY REVIEW REPORT WILL BE FORWARDED TO THE SUCCESSFUL CONTRACTOR FOR INFORMATION AND ACTION.

- BASIC MATERIALS**
- JUNCTION, OUTLET AND PULL BOXES MUST BE APPROVED TO SUIT INSTALLATION METHODS AND ENVIRONMENT.
  - CONDUIT MUST BE CONCEALED UNLESS INSTALLED IN SERVICE OR STORAGE ROOMS.
  - CONDUIT MUST BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING LINES IN A NEAT AND WORKMANLIKE MANNER.
  - ALL FEEDER AND BRANCH CIRCUIT WIRING MUST BE COPPER. THE BRANCH/FEEDER IN THE EXIST CONDUIT WITH INTERMIXED INSULATED GREEN GROUND WIRE UNLESS NOTED OTHERWISE. MINIMUM WIRE SIZE SHALL BE #12 AND MINIMUM CONDUIT SIZE SHALL BE 3/4" (19mm).
  - AC90 CABLE MAY BE USED FOR BRANCH CIRCUIT WIRING IN STEEL STUD WALLS AND "DROPS" IN T-BAR CEILING AREAS TO LIGHT FIXTURES AND FIRE ALARM DEVICES. LENGTH OF DROP MUST BE LIMITED TO 8'-0" (2400mm).
  - WHERE DEVICES ARE TO BE INSTALLED ON EXISTING WALLS IN FINISHED AREA, WHICH CANNOT BE FISHED, INSTALL FEEDS IN A SURFACE METAL RACEWAY EQUAL TO WIREMOLD V700 SERIES.
  - COLOR CODE CONDUITS, BOXES AND METALLIC SHEATHED CABLES.
  - CODE WITH PLASTIC TAPE OR PAINT AT POINTS WHERE CONDUIT OR CABLE ENTERS WALL, CEILING, OR FLOOR, AND AT 15m (45') INTERVALS.
  - COLOR BANDS MUST BE 25mm (1") WIDE AND CODED AS FOLLOWS FOR NOTED SYSTEMS.
 

SYSTEM	COLOR
0P TO 200V	YELLOW
209 TO 600V	WHITE
  - THIS CONTRACTOR MUST PAINT ALL SYSTEM JUNCTION BOXES AND COVERS IN CONFORMANCE WITH THE ABOVE SCHEDULE.

- BREAKDOWNS**
- THE CONTRACTOR MUST SUBMIT A BREAKDOWN OF THE TENDER PRICE INTO CLASSIFICATIONS TO THE SATISFACTION OF THE CONSULTANT, WITH THE AGGREGATE OF THE BREAKDOWN TOTALING THE TOTAL CONTRACT AMOUNT. EACH ITEM MUST BE BROKEN OUT INTO MATERIAL AND LABOUR COSTS. PROGRESS CLAIMS WHICH ARE SUBMITTED ARE TO BE ITEMIZED AGAINST EACH ITEM OF THE DRAW BREAKDOWN. THIS SHALL BE DONE IN TABLE FORM SHOWING CONTRACT AMOUNT, AMOUNT THIS DRAW TOTAL TO DATE, % COMPLETE AND BALANCE.
  - BREAKDOWN SHALL BE AS FOLLOWS:
    - PERMITS AND FEES
    - MOBILIZATION (MAXIMUM 1%)
    - DEMOLITION
    - PANELBOARDS AND MISCELLANEOUS DISTRIBUTION EQUIPMENT
    - BRANCH CONDUITS
    - BRANCH WIRING/CABLE
    - STARTERS, CONTACTORS AND CONTROL DEVICES
    - WIRING FOR MECHANICAL EQUIPMENT
    - COMMISSIONING (MINIMUM OF 3%)
    - CLOSEOUT REQUIREMENTS (MINIMUM OF 3%)
  - THE BREAKDOWN MUST BE APPROVED BY THE CONSULTANT PRIOR TO SUBMISSION OF THE FIRST DRAW.
  - BREAKDOWNS NOT COMPLYING TO THE ABOVE WILL NOT BE APPROVED.
  - BREAKDOWN MUST INDICATE TOTAL CONTRACT AMOUNT.
  - MOBILIZATION AMOUNT MAY ONLY BE DRAWN WHEN ALL REQUIRED SHOP DRAWINGS HAVE BEEN REVIEWED BY THE CONSULTANT.

- SHOP DRAWINGS AND PRODUCT DATA**
- FURNISH COMPLETE CATALOG DATA FOR MANUFACTURED ITEMS OF EQUIPMENT TO BE USED IN THE WORK TO CONSULTANT FOR REVIEW WITHIN 30 DAYS AFTER AWARD OF CONTRACT.
  - IF MATERIAL OR EQUIPMENT IS NOT AS SPECIFIED OR SUBMITAL IS NOT COMPLETE, IT WILL BE REJECTED BY CONSULTANT.
  - ADDITIONAL SHOP DRAWINGS REQUIRED BY THE CONTRACTOR FOR MAINTENANCE MANUALS, SITE COPIES ETC., SHALL BE PHOTOCOPIES OF THE REVIEWED SHOP DRAWINGS. ALL COSTS TO PROVIDE ADDITIONAL COPIES OF SHOP DRAWINGS SHALL BE BORNE BY THE CONTRACTOR.
  - PARTIAL SUBMITTALS WILL NOT BE ACCEPTED.
  - CATALOG DATA OR SHOP DRAWINGS FOR EQUIPMENT, WHICH ARE NOTED AS BEING REVIEWED BY CONSULTANT OR HIS ENGINEER SHALL NOT SUPERSEDE CONTRACT DOCUMENTS.
  - REVIEW COMMENTS OF CONSULTANT SHALL NOT RELIEVE THIS DIVISION FROM RESPONSIBILITY FOR DEVIATIONS FROM CONTRACT DOCUMENTS UNLESS CONSULTANT'S ATTENTION HAS BEEN CALLED TO SUCH DEVIATIONS IN WRITING AT TIME OF SUBMISSION, NOR SHALL THEY RELIEVE THIS DIVISION FROM RESPONSIBILITY FOR ERRORS IN ITEMS SUBMITTED.
  - CHECK WORK DESCRIBED BY CATALOG DATA WITH CONTRACT DOCUMENTS FOR DEVIATIONS AND ERRORS.
  - SHOP DRAWINGS AND PRODUCT DATA SHALL SHOW:
    - MOUNTING ARRANGEMENTS.
    - OPERATING AND MAINTENANCE CLEARANCES. E.G. ACCESS DOOR SWING SPACES.
  - SHOP DRAWINGS AND PRODUCT DATA SHALL BE ACCOMPANIED BY:
    - DETAILED DRAWINGS OF BASES, SUPPORTS, AND ANCHOR BOLTS.
    - MANUFACTURER TEST DATA WHERE REQUESTED.
    - MANUFACTURER TO CERTIFY AS TO FOLLOWING MODEL PRODUCTION.
    - CERTIFICATION OF COMPLIANCE TO APPLICABLE CODES.
  - STATE SIZES, CAPACITIES, BRAND NAMES, MOTOR HP, ACCESSORIES, MATERIALS, GAUGES, DIMENSIONS, AND OTHER PERTINENT INFORMATION. LIST ON CATALOG COVERS PAGE NUMBERS OF SUBMITTED ITEMS. UNDERLINE APPLICABLE DATA.
  - ONCE THESE SHOP DRAWINGS ARE RETURNED "REVIEWED" OR "REVIEWED AS NOTED" FABRICATION, PRODUCTION, AND INSTALLATION MAY COMMENCE. NOTE: IF A SHOP DRAWING IS RETURNED "REVIEWED AS NOTED" THIS CONTRACTOR MUST PROVIDE WRITTEN INDICATION THAT THE COMMENTS HAVE BEEN COMPLIED WITH.
  - A PARTIAL LIST OF SHOP DRAWINGS INCLUDES:
    - PANELBOARDS AND MISC. DISTRIBUTION EQUIPMENT
    - STARTERS, CONTACTORS, AND CONTROL DEVICES
    - FIRESTOPPING MATERIALS
    - WIRING DEVICES

- FIRESTOPPING**
- FIRESTOPPING MATERIAL AND INSTALLATION WITHIN ANNULAR SPACE BETWEEN CONDUITS, DUCTS, AND ADJACENT FIRE SEPARATION.
  - PROVIDE MATERIALS AND SYSTEMS CAPABLE OF MAINTAINING EFFECTIVE BARRIER AGAINST FLAME, SMOKE, AND GASES.
  - COMPLY WITH THE REQUIREMENTS OF CAN4-S115-M35, AND DO NOT EXCEED OPENING SIZED FOR WHICH THEY HAVE BEEN TESTED.
  - SYSTEMS TO HAVE AN F OR FT RATING (AS APPLICABLE) NOT LESS THAN THE FIRE PROTECTION RATING REQUIRED FOR CLOSURES IN A FIRE SEPARATION. PROVIDE "FIREWRAP" BLANKET AROUND SERVICES PENETRATING FIREWALLS.
  - EXTENT OF BLANKET MUST CORRESPOND TO ULCC RECOMMENDATIONS. IN GENERAL, WRAP INDIVIDUAL CONDUITS WITH APPROVED FIREWRAP MATERIALS ON EACH SIDE OF FIREWALL. REFER TO ARCHITECTURAL DRAWINGS FOR FT RATINGS. PROVIDE 1 AND/OR 2 LAYERS OF FIREWRAP WITH TRANSVERSE AND LONGITUDINAL SEAMS OVERLAPPED AND/OR BUTTED (SECOND LAYER OFFSET FROM FIRST LAYER). CUT EDGES ARE TO BE SEALED WITH ALUMINUM FOIL TAPE. PROVIDE 2 MM STAINLESS STEEL BANDING AT 200 MM INTERVALS. INSTALL FIREWRAP TO MANUFACTURERS' RECOMMENDATIONS FOR PROPER FT RATING. ACCEPTABLE MANUFACTURERS ARE OM FIREMASTER ELECTROWRAP OR APPROVED EQUAL.
  - THE FIRESTOPPING MATERIALS ARE NOT TO SHRINK, SLUMP OR SAG AND BE FREE OF ASBESTOS, HALOGENS AND VOLATILE SOLVENTS.
  - FIRESTOPPING MATERIALS ARE TO CONSIST OF A COMPONENT SEALANT APPLIED WITH A CONVENTIONAL CAULKING GUN AND FROWEL.
  - FIRESTOP MATERIALS ARE TO BE CAPABLE OF RECEIVING FINISH MATERIALS IN THOSE AREAS, WHICH ARE EXPOSED AND SCHEDULED TO RECEIVE FINISHES.
  - FIRESTOPPING SHALL BE INSPECTED AND APPROVED BY LOCAL AUTHORITY PRIOR TO CONCEALMENT OR ENCLOSURE.
  - INSTALL MATERIAL AND COMPONENTS IN ACCORDANCE WITH ULCC CERTIFICATION, MANUFACTURERS INSTRUCTIONS AND LOCAL AUTHORITY.
  - SUBMIT PRODUCT LITERATURE AND INSTALLATION MATERIAL ON FIRESTOPPING IN SHOP DRAWING AND PRODUCT DATA MANUAL.
  - ACCEPTABLE MANUFACTURERS:
    - RECTORSAL CORPORATION (METACALUX)
    - PROFIT SYSTEMS
    - 3M
    - HELI
    - STI FIRESTOP
  - NOTE: FIRE STOP MATERIAL MUST CONFORM TO REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION. CONTRACTOR TO CONFIRM PRIOR TO APPLICATION AND ENSURE MATERIAL USED IS COMPATIBLE WITH THAT USED BY OTHER TRADES ON SITE.
  - ENSURE FIRESTOP MANUFACTURER REPRESENTATIVE PERFORMS ON SITE INSPECTIONS AND CERTIFIES INSTALLATION. SUBMIT INSPECTION REPORTS/CERTIFICATION AT TIME OF SUBSTANTIAL COMPLETION.

- WIRING DEVICES**
- GENERAL PURPOSE AC SWITCHES MUST CONFORM TO CSA C22.2 NO. 111 (LATEST EDITION).
  - ACCEPTABLE MATERIALS:
    - MOTOR RATED: HUBBELL CAT. #HBL2121PL OR EQUAL (HBL2121 DECORA OR EQUAL) C/W PILOT LIGHT.
  - INSTALL SWITCHES IN GANG TYPE OUTLET BOX WHEN MORE THAN ONE SWITCH IS REQUIRED IN ONE LOCATION.
  - RECEPTACLES, PLUGS, AND OTHER SIMILAR WIRING DEVICES MUST CONFORM TO CSA C22.2 NO. 42 (LATEST EDITION).
  - WEATHERPROOF "HEAVY DUTY IN USE" COVERPLATE CAT. #WP1010M10KMO OR EQUAL COMPLETE WITH GASKETS FOR DUPLEX RECEPTACLES AS INDICATED.
    - ACCEPTABLE MATERIALS:
      - GROUND FAULT PROTECTED T-SLOT RECEPTACLES: HUBBELL CAT. #GF20X COMPLETE WITH DECORA STYLE.
- PANEL BOARDS**
- PANEL BOARDS MUST CONFORM TO CSA C22.2 NO. 29 (LATEST EDITION).
  - IN ADDITION TO CSA REQUIREMENTS MANUFACTURER'S NAMEPLATE MUST SHOW FAULT CURRENT THAT PANEL INCLUDING BREAKERS HAS BEEN BUILT TO WITHSTAND. SERIES RATING IS ACCEPTABLE-SUBMIT INFORMATION WITH SHOP DRAWINGS.
  - BUS AND BREAKERS/SWITCHES MUST BE RATED FOR 10KA (SYMMETRICAL) INTERRUPTING CAPACITY OR AS INDICATED.
  - SEQUENCE PHASE BUSSING WITH ODD NUMBERED BREAKERS ON LEFT AND EVEN ON RIGHT, WITH EACH BREAKER IDENTIFIED BY PERMANENT NUMBER IDENTIFICATION AND TO CIRCUIT NUMBER AND PHASE.
  - PANEL BOARD MAINS, NUMBER OF CIRCUITS, AND NUMBER AND SIZE OF BRANCH CIRCUIT AS INDICATED.
  - TWO KEYS FOR EACH PANEL BOARD AND KEY PANEL BOARDS ALIKE.
  - ALUMINUM BUS WITH NEUTRAL OF SAME AMPERE RATING AS MAINS.
  - MAINS MUST BE SUITABLE FOR BOLT-ON BREAKERS. PROVIDE MAIN (IF APPLICABLE) AND BRANCH BREAKERS AS BOLT-ON STYLE.
  - TRIM AND DOOR FINISH MUST BE BAKED GRAY ENAMEL.
  - BREAKERS WITH THERMAL AND MAGNETIC TRIPPING IN PANEL BOARD EXCEPT AS INDICATED OTHERWISE.
  - PROVIDE NAMEPLATE FOR EACH PANEL BOARD WITH ENGRAVED DESCRIPTION AS INDICATED.
  - FOR EACH NEW AND EXISTING PANEL PROVIDE COMPLETE CIRCUIT DIRECTORY WITH TYPEWRITTEN LEGEND SHOWING LOCATION OF EACH CIRCUIT.
  - LOCATE PANEL BOARDS AS INDICATED AND MOUNT SECURELY, PLUMB, TRUE AND SQUARE, TO ADJOINING SURFACES.
  - INSTALL SURFACE MOUNTED PANEL BOARDS ON PLYWOOD BACKBOARDS, WHERE PRACTICAL, GROUP PANEL BOARDS ON COMMON BACKBOARD.
  - CONNECT LOADS TO CIRCUITS.
  - CONNECT NEUTRAL CONDUCTORS TO COMMON NEUTRAL BUS.
  - BRANCH CIRCUIT PANEL BOARDS MUST BE THE FOLLOWING:
    - SIEMENS CAT. #SENTRON P1 SERIES
  - ALL REDUNDANT BREAKERS ARE TO REMAIN AND BE RE-LABELED AS "SPARE".
  - EXISTING PANELS MUST BE REVIEWED FOR LOOSE AND/OR FAULTY BREAKERS AND WIRING. ALL REQUIRED MODIFICATIONS MUST BE PERFORMED TO CORRECT ANY UNCOVERED PROBLEMS.

- MOTOR STARTERS AND DEVICES**
- MAGNETIC AND COMBINATION MAGNETIC STARTERS OF SIZE, TYPE, RATING AND ENCLOSURE TYPE AS INDICATED WITH COMPONENTS AS FOLLOWS:
    - CONTACTOR: OVERLOAD PROTECTED, RAPID ACTION TYPE.
    - CONTACTOR OVERLOAD PROTECTION DEVICE IN EACH PHASE, MANUALLY RESET FROM OUTSIDE ENCLOSURE.
    - WIRING: SCHEMATIC DIAGRAM INSECT STARTER ENCLOSURE IN VISIBLE LOCATION.
    - IDENTIFY EACH WIRE AND TERMINAL FOR EXTERNAL CONNECTIONS, WITHIN STARTER, WITH PERMANENT NUMBER MARKING IDENTICAL TO DIAGRAM.
  - ACCESSORIES:
    - POSITIONINGS SELECTOR SWITCHES STANDARD DUTY LABELED AS INDICATED.
    - INDICATING LIGHTS: STANDARD DUTY TYPE AND COLOR AS INDICATED.
    - 1-NO/0 AND 1-NO/0 SPARE AUXILIARY CONTACTS UNLESS OTHERWISE INDICATED.
    - SINGLE PHASE, DRY TYPE, CONTROL TRANSFORMER WITH PRIMARY VOLTAGE AS INDICATED AND SECONDARY VOLTAGE TO SUIT REMOTE CONTROL DEVICE, COMPLETE WITH SECONDARY FUSE, INSTALLED IN WITH STARTER AS INDICATED.
    - SIZE CONTROL TRANSFORMER FOR CONTROL CIRCUIT LOAD PLUS 20% SPARE CAPACITY.
  - ALL STARTERS AND DEVICES MUST BE CAPABLE OF INTERRUPTING A FAULT CURRENT OF 35,000A RMS SYMMETRICAL.
  - PROVIDE NEMA STYLE STARTERS ONLY. IEC STARTERS OR HALF SIZE STARTERS WILL NOT BE ACCEPTED.
  - EACH STARTER SHALL BE EQUIPPED WITH A FUSIBLE SWITCH, A FUSED CONTROL POWER TRANSFORMER, TWO (2) INDICATING LIGHTS, CONTROL DEVICE AS PER THE EQUIPMENT WIRING SCHEDULE, TWO (2)-N/0 AND TWO (2)-N/C CONTACTS (INCLUDING PHASES), UNLESS OTHERWISE SCHEDULED ON THE DRAWINGS. SERVICE PANEL TO MAKE SPACE TO ACCOMMODATE SIX (6)-OLT-TYPE PILOT-CONTROL DEVICES OR INDICATING AMMETERS, VOLTMETERS, OR ELAPSED TIME METERS.
  - INDIVIDUAL FEEDER AND STARTER DISCONNECT SWITCHES SHALL BE QUICK-BREAK, QUICK-BREAK GANG OPERATED TYPE UTILIZING CLASS J FUSE CLIPS. THE FUSED SWITCH SHALL HAVE A 200, 000 AC AT RATED VOLTAGE.

- FUSES**
- REFERENCES
- CANADIAN STANDARDS ASSOCIATION (CSA)
- CSA C22.2 NO.248.12/94, LOW VOLTAGE FUSES PART 12: CLASS R (B)-NATIONAL STANDARD WITH UL 248-12 (1ST EDITION).
  - CSA C22.2 NO.106-482 (LATEST EDITION).
- MAINTENANCE MATERIAL
- THREE SPARE FUSES OF EACH TYPE AND SIZE INSTALLED.
- DELIVERY AND STORAGE
- SHIP FUSES IN ORIGINAL CONTAINERS.
  - STORE FUSES IN ORIGINAL CONTAINERS IN MOISTURE FREE LOCATION.

- PRODUCTS**
- FUSES GENERAL**
- FUSES: PRODUCT OF ONE MANUFACTURER FOR ENTIRE PROJECT.
  - FUSES SPECIFIED BELOW MUST CONFORM TO CSA C22.2 NO. 106 (LATEST EDITION). FUSES CONFORMING TO STANDARD C22.2 NO. 106-1993 WILL BE REJECTED.
  - FUSES MUST PROVIDE A FULLY CO-ORDINATED SYSTEM FOR BOTH OVERLOAD AND FAULT CONDITIONS.
- FUSE TYPES**
- CLASS L FUSES (FORMERLY HRC-L ) FOR RATINGS 601-6000 A.
- TIME DELAY, CAPABLE OF CARRYING 500% OF ITS RATED CURRENT FOR 10 S MINIMUM.
  - FAST ACTING AS NOTED.
- CLASS J FUSES (FORMERLY HRC- J).
- TIME DELAY, CAPABLE OF CARRYING 500% OF ITS RATED CURRENT FOR 10 S MINIMUM.
  - FAST ACTING AS NOTED.
  - CLASS R FUSES (FORMERLY HRC- R) FOR UL CLASS RK1 FUSES, PEAK LET-THROUGH CURRENT AND FT VALUES NOT TO EXCEED LIMITS OF UL 198E-1992, TABLE 10.2.
- ACCEPTABLE PRODUCTS**
- 1. MOTOR PROTECTION:**
- 1-800 R HERGEN TYPE AT
  - 601-2000 AC HERGEN TYPE ABT
- 2. OTHER ACCEPTABLE MANUFACTURERS:**
- DEG
  - LITTLE FUSE
- INSTALLATION**
- INSTALL FUSES IN MOUNTING DEVICES IMMEDIATELY BEFORE ENERGIZING CIRCUIT.
  - ENSURE CORRECT FUSES FITTED TO PHYSICALLY MATCHED MOUNTING DEVICES.
  - INSTALL CLASS R REJECTION CLIPS FOR HRC-R FUSES.
  - ENSURE CORRECT FUSES FITTED TO ASSIGNED ELECTRICAL CIRCUIT.

- EQUIPMENT**
- 2. CONTACTORS**
- CONTACTORS SHALL HAVE THE FOLLOWING FEATURES:
    - CONTACTORS SHALL BE ELECTRICALLY HELD AND CONTROLLED BY PILOT DEVICES AS INDICATED AND RATED FOR TYPE OF LOAD CONTROLLED.
    - MOUNTED IN CSA ENCLOSURE 1.
    - INCLUDE THE FOLLOWING OPTIONS:
      - RED INDICATING LAMP
      - HAND-OFF-AUTO SELECTOR SWITCH
      - CONTROL TRANSFORMER MOUNTED IN CONTACTOR ENCLOSURE.
  - ACCEPTABLE MANUFACTURERS ARE AS FOLLOWS:
    - ALLEN BRADLEY
    - CUTLER HAMMER
    - SIEMENS
    - GROUP SCHNEIDER
    - MULCHNER MOLLER

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

The drawings shall remain the copyright of the consultant. The contractor shall not be held responsible for any errors or omissions in the drawings. The drawings are for information only and do not constitute a contract. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary approvals. The contractor shall be responsible for obtaining all necessary approvals.

NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	2024.10.30	JJ
2	ISSUED FOR PERMIT & TENDER	2025.02.14	JJ



PROJECT:

**CENTURY GARDENS RECREATION CENTRE**

340 VODDEN ST. EAST, BRAMPTON, ONTARIO

DRAWING:

**ELECTRICAL SPECIFICATION**

DESIGN BY: MEK

DRAWN BY: AAA

CHECKED BY: MEK

DATE: FEB 2024

SCALE: AS NOTED

FILE:

PROJECT NO: **23295**

DRAWING NO: **E501**







**GENERAL DEMOLITION NOTES**

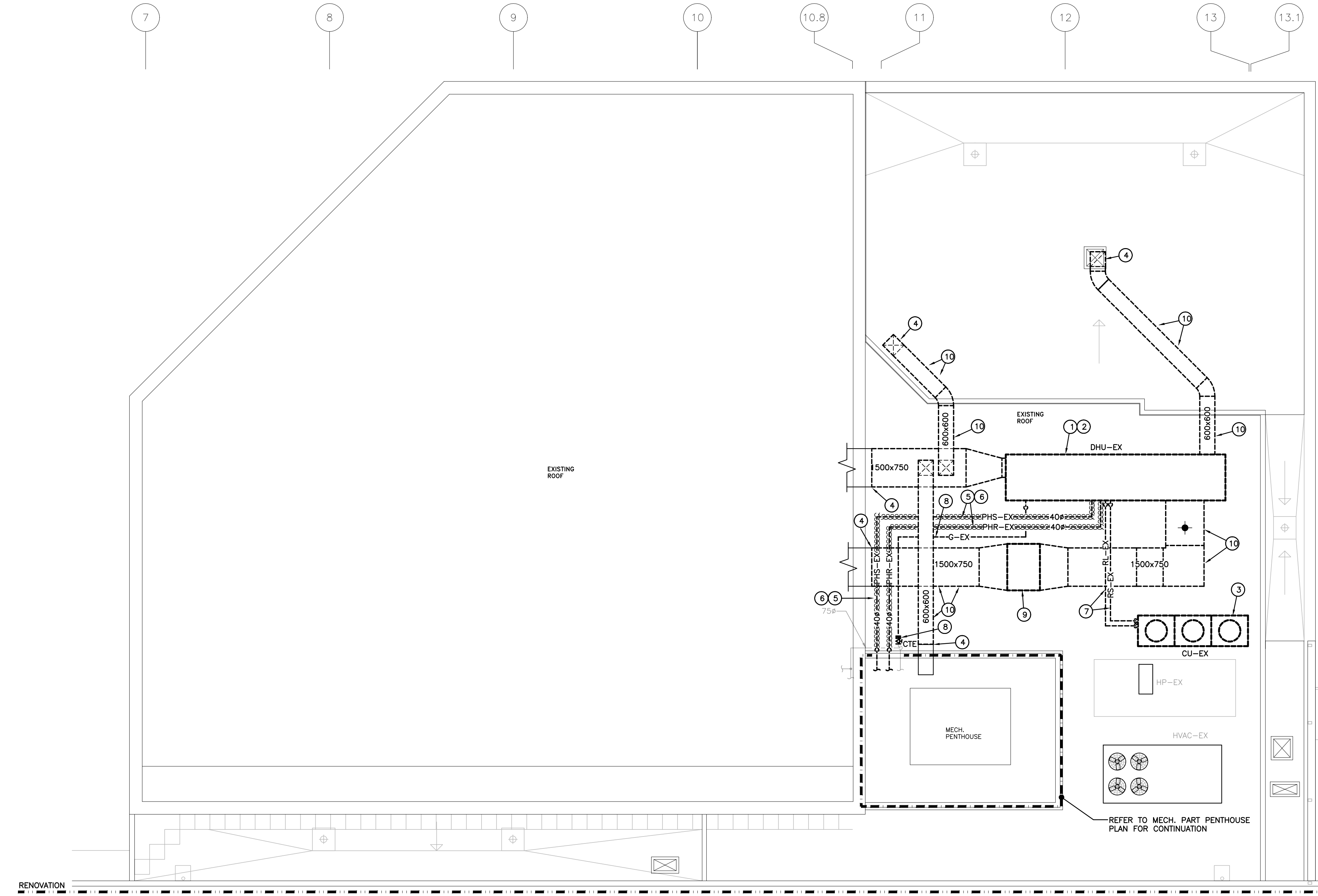
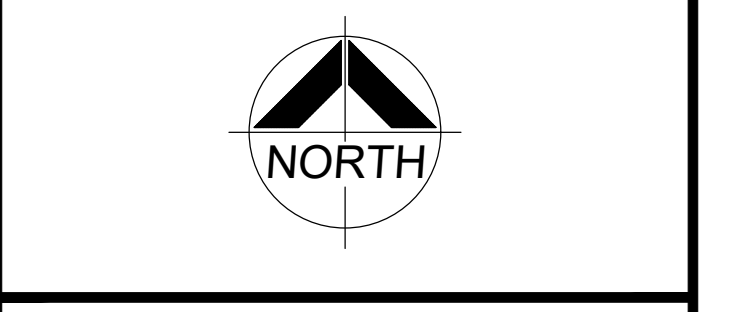
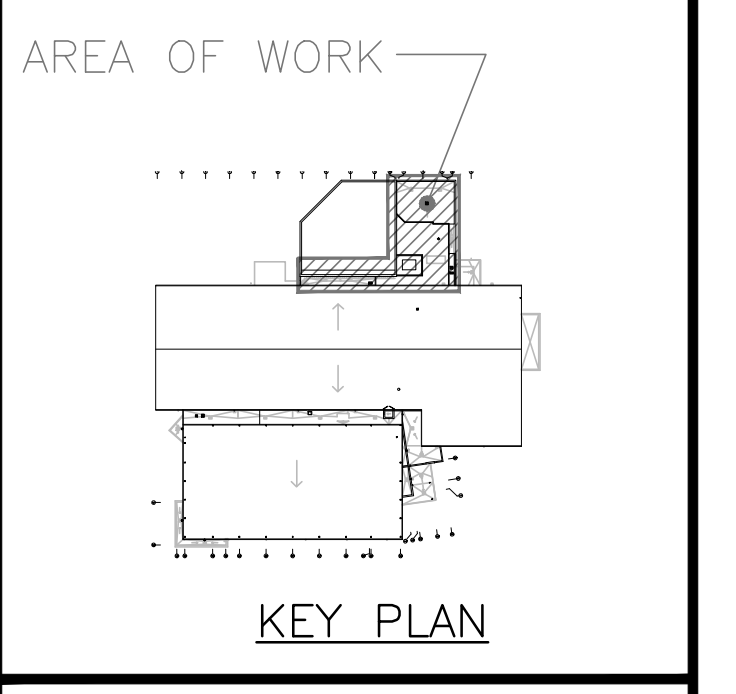
- A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- D. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILING AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

**SPECIFIC DEMOLITION NOTES**

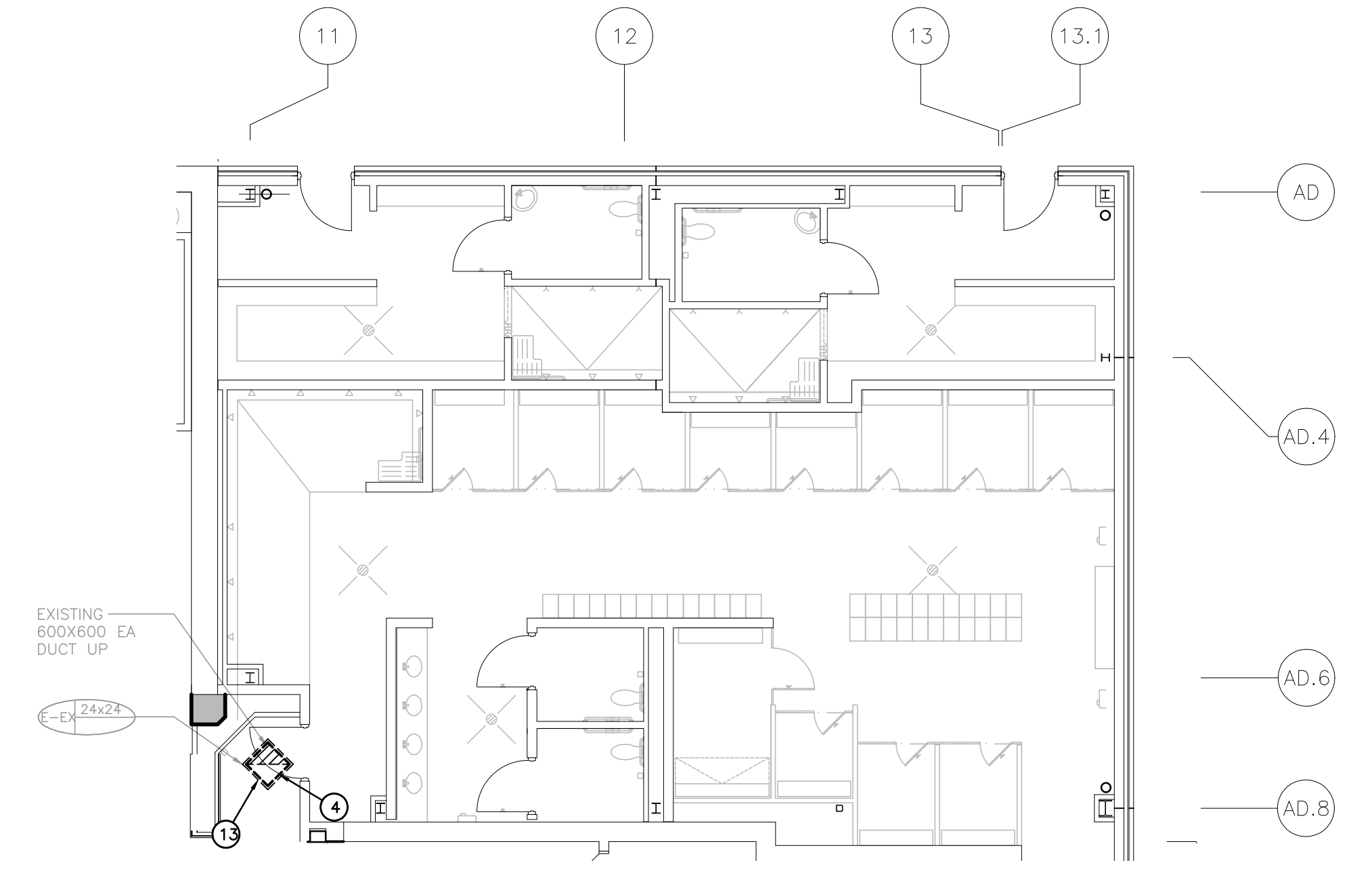
1. EXISTING DHU TO BE REMOVED AND REPLACED WITH NEW.
2. EXISTING ROOF CURB TO BE REMOVED COMPLETE.
3. EXISTING AIR COOLED CONDENSER TO BE REMOVED COMPLETE. SLEEPERS TO REMAIN.
4. EXISTING DUCTWORK TO BE CUT & REMOVED BEYOND COMPLETE.
5. EXISTING POOL WATER PIPING TO BE REMOVED BEYOND COMPLETE.
6. EXISTING HEAT TRACING TO BE ADJUSTED TO SUIT PIPING MODIFICATIONS.
7. EXISTING REFRIGERANT PIPING TO BE REMOVED COMPLETE.
8. EXISTING GAS PIPING TO BE REMOVED COMPLETE & CAPPED AT MARK.
9. EXISTING FILTER RACK TO BE REMOVED COMPLETE.
10. EXISTING DUCTWORK TO BE REMOVED COMPLETE.
11. EXISTING PUMP TO BE REMOVED COMPLETE.
12. EXISTING HUB DRAIN TO BE REMOVED AND REPLACED WITH FUNNEL FLOOR DRAIN.
13. EXISTING GRILLE TO BE REMOVED COMPLETE.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.  
The drawings show general arrangement of services. Follow as shown on actual building construction. All permits, codes and regulations shall be followed. All services and equipment shall be removed in accordance with the drawings. The drawings do not indicate all offsets, fittings and accessories which may be required. Provide all items to meet the required conditions.  
All services and equipment shall be removed in accordance with the drawings. The drawings do not indicate all offsets, fittings and accessories which may be required. Provide all items to meet the required conditions.  
All services and equipment shall be removed in accordance with the drawings. The drawings do not indicate all offsets, fittings and accessories which may be required. Provide all items to meet the required conditions.

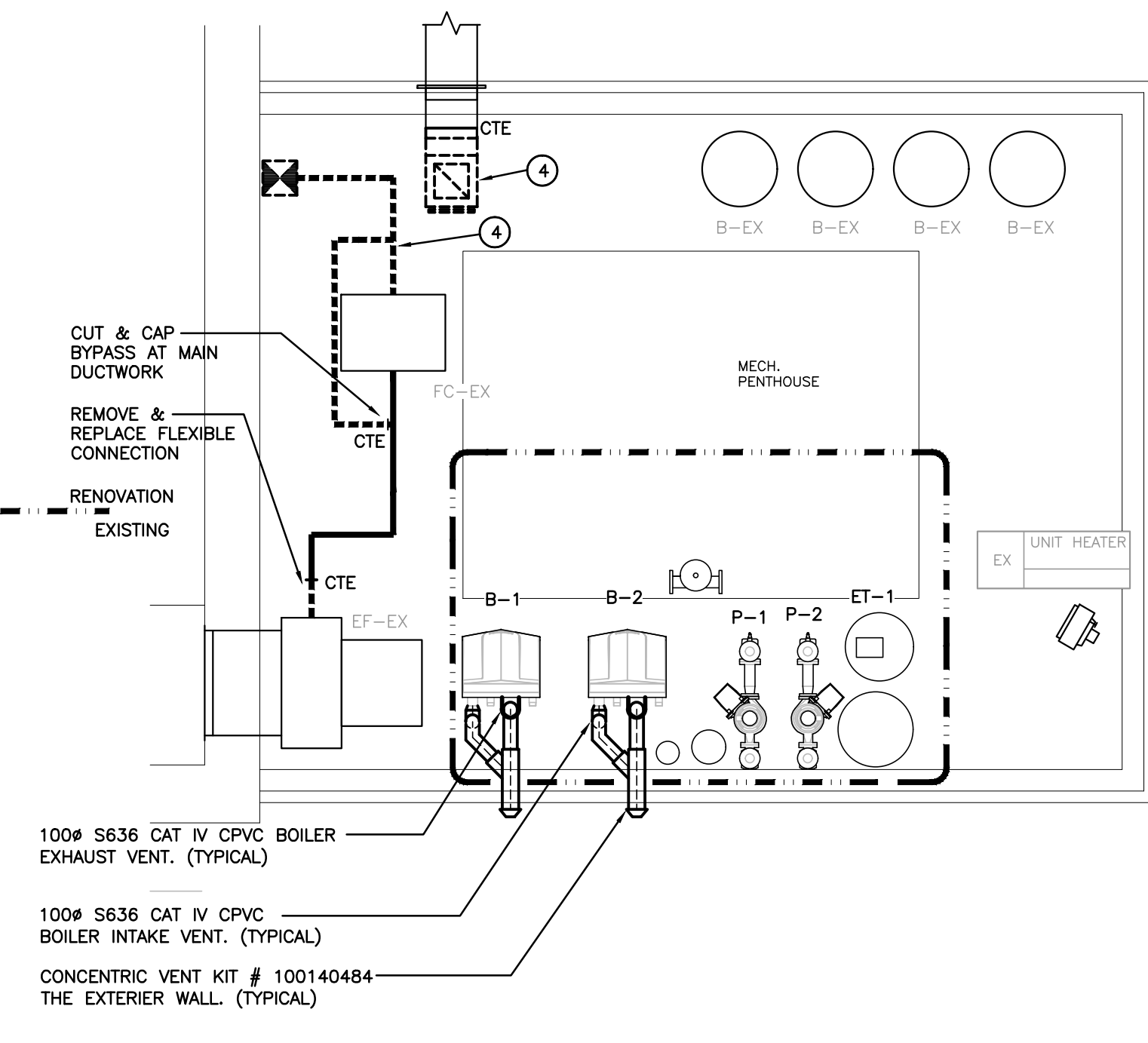
NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	2024.10.30	MP
2	ISSUED FOR PERMIT & TENDER	2025.02.14	MP



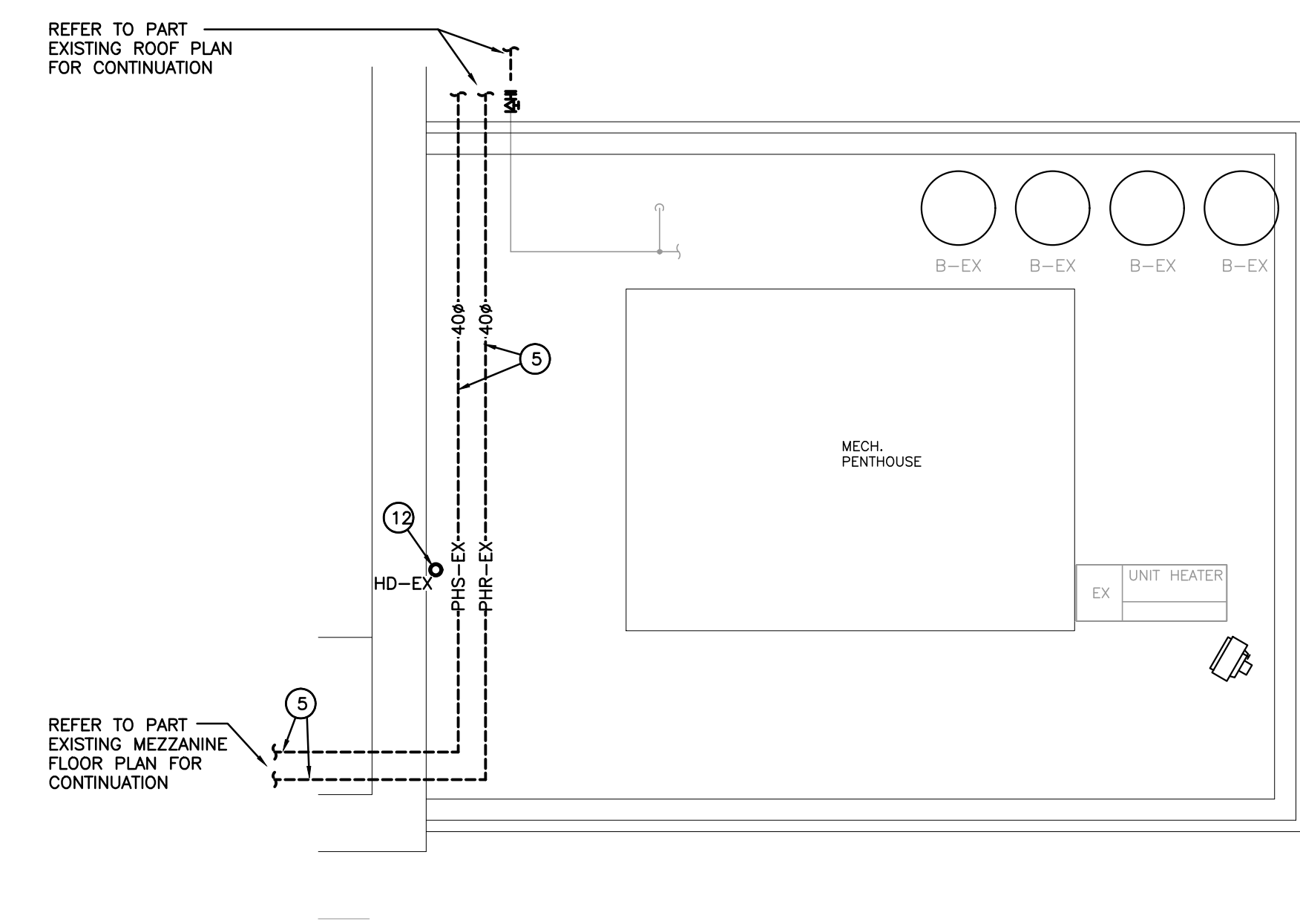
PART EXISTING ROOF PLAN  
SCALE: 1:100



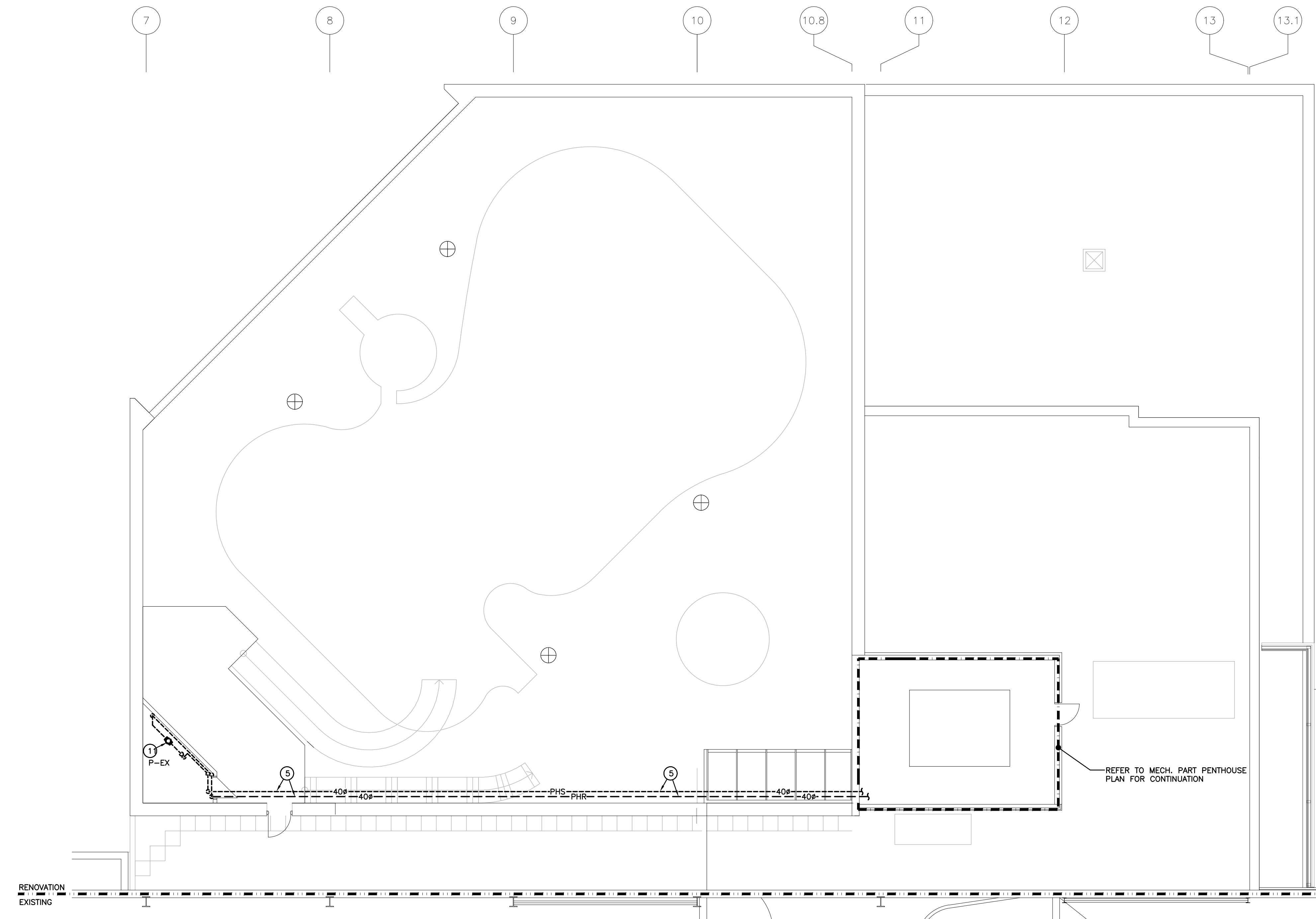
PART PLAN - GROUND FLOOR - DEMOLITION  
SCALE: 1:100



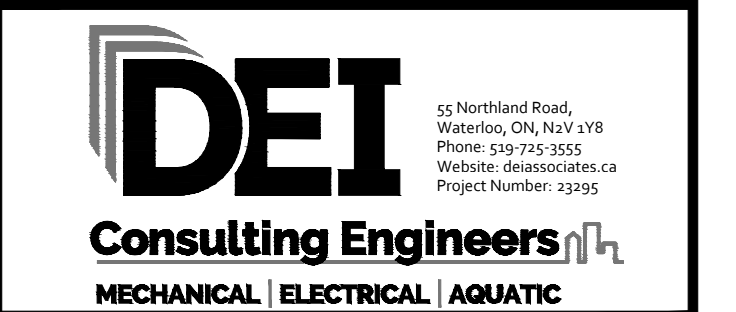
PART MECH PENTHOUSE PLAN - VENTILATION  
SCALE: 1:50



PART MECH PENTHOUSE PLAN - PLUMBING & HEATING  
SCALE: 1:50



PART EXISTING MEZZANINE PLAN  
SCALE: 1:100



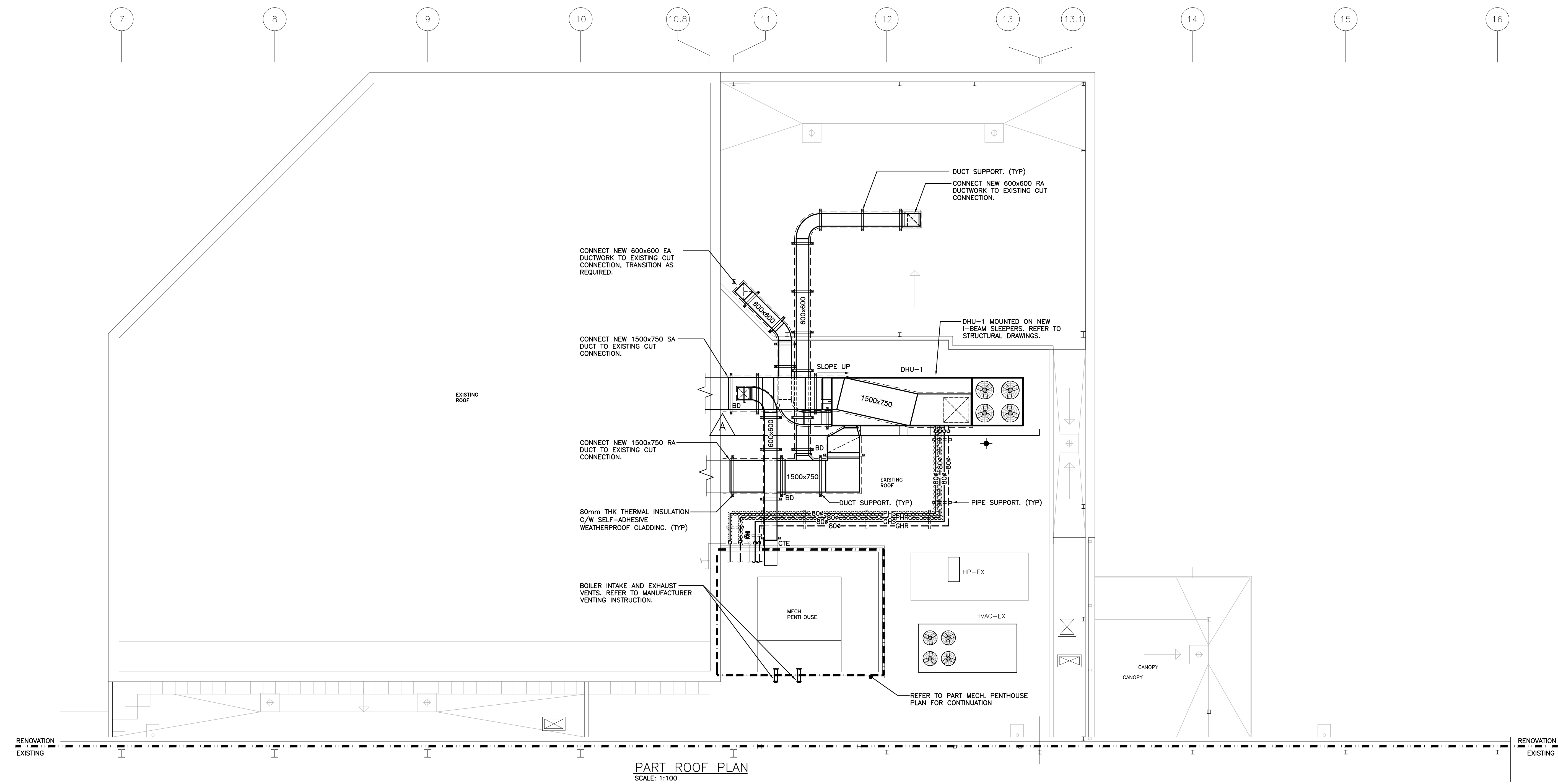
PROJECT:  
**CENTURY GARDENS RECREATION CENTRE**  
340 VODDEN ST. EAST, BRAMPTON, ONTARIO

DRAWING:  
**EXISTING ROOF PART PLAN - DEMOLITION**

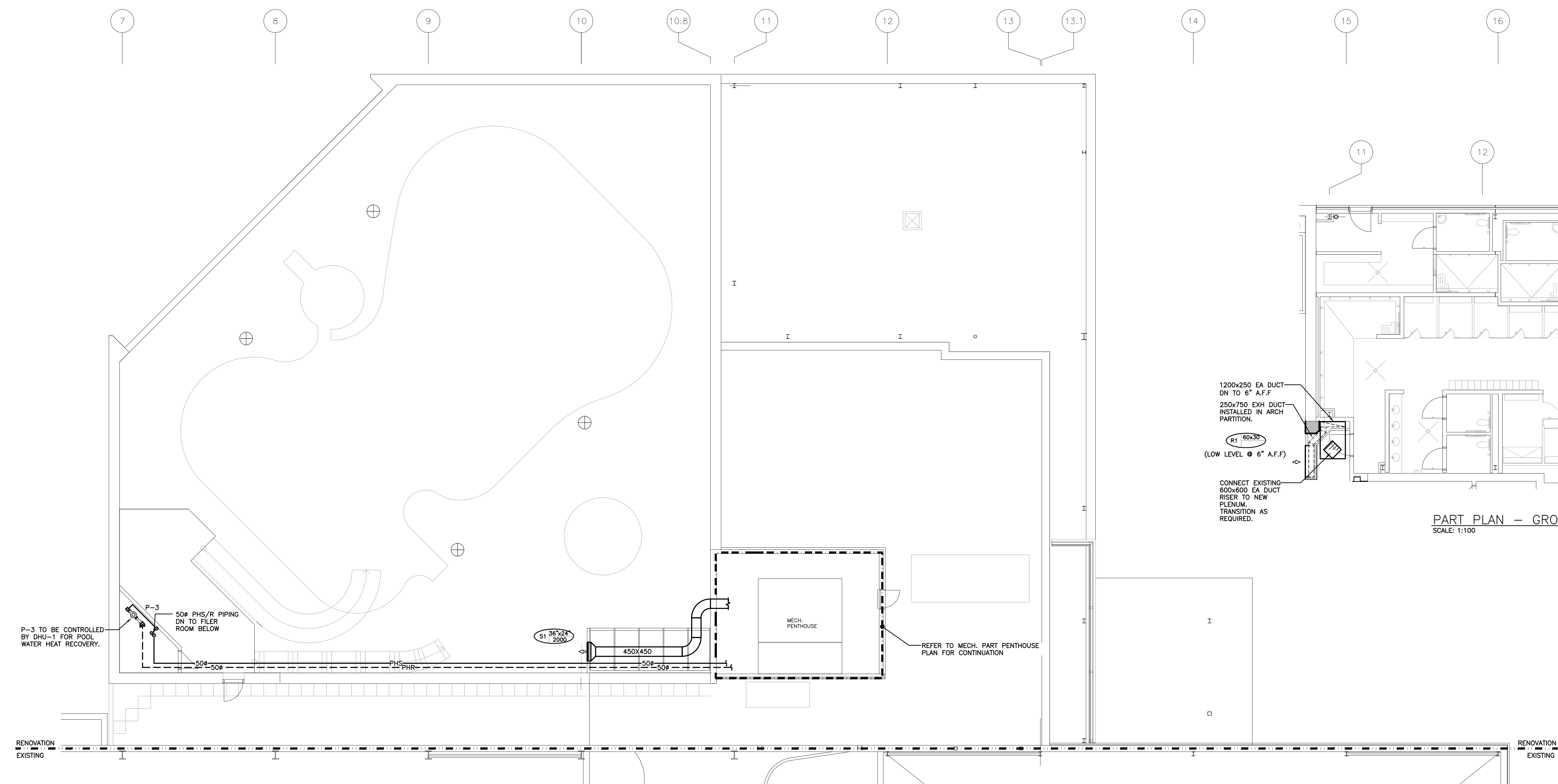
DESIGN BY: MP  
DRAWN BY:  
CHECKED BY: MP  
DATE: NOV 2023  
SCALE: AS NOTED

PROJECT NO: **23295**  
DRAWING NO: **M201**

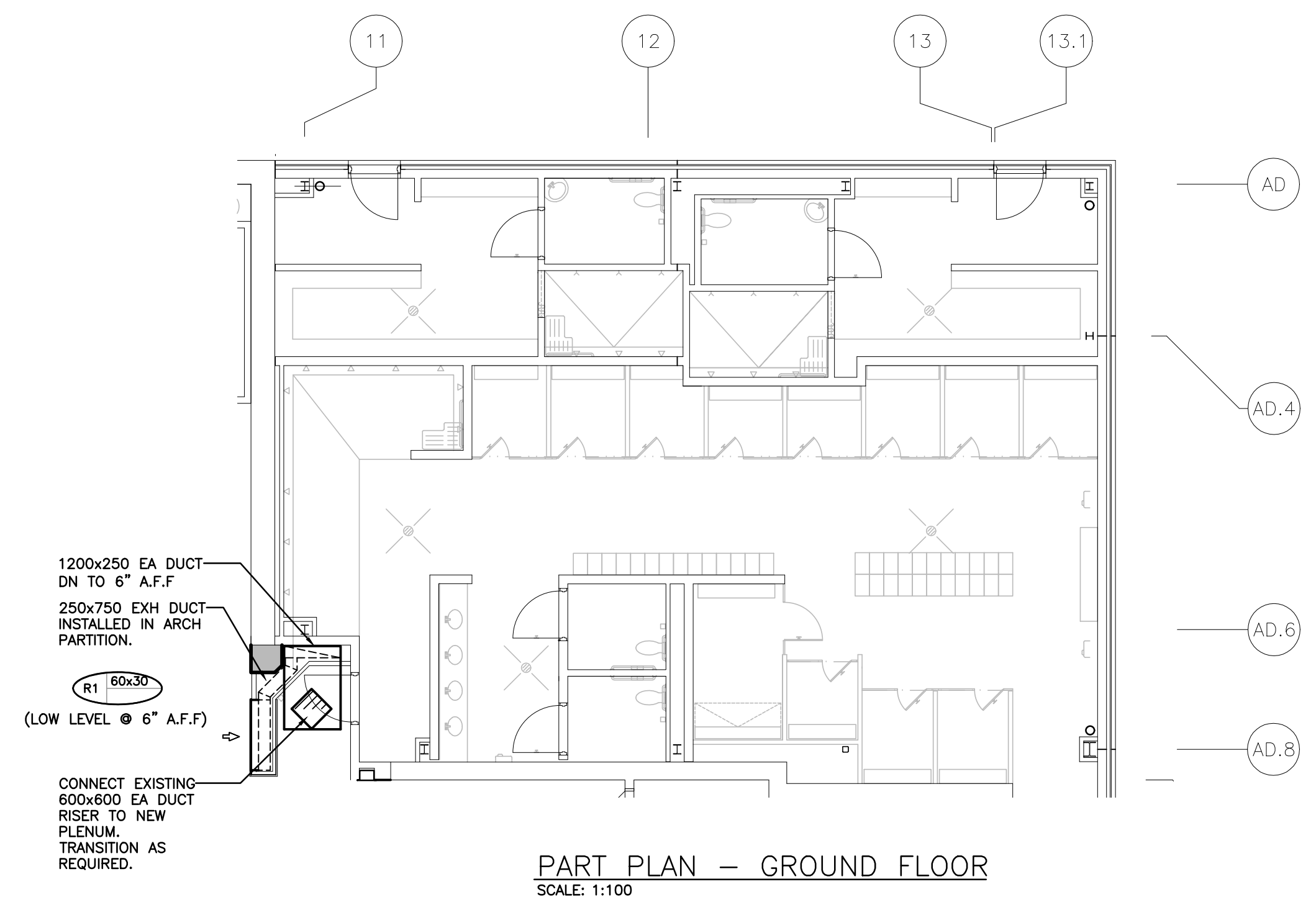




PART ROOF PLAN  
SCALE: 1:100



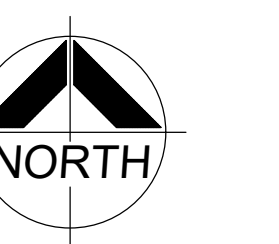
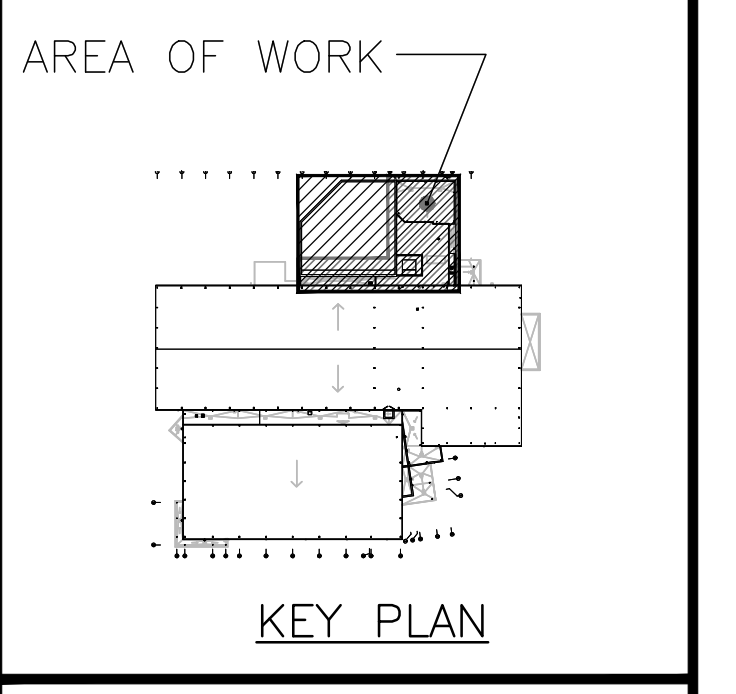
PART MEZZANINE PLAN  
SCALE: 1:100



PART PLAN - GROUND FLOOR  
SCALE: 1:100

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as shown on actual building construction. All permits, codes, and regulations shall be followed. All services shall be installed in accordance with the manufacturer's instructions. The drawings do not indicate all offsets, fittings and accessories which may be required. Provide the same to meet the required conditions and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned to the consultant at the completion of the project. These documents are not to be duplicated or copied without the consent of the consultant. Do not scale the drawing.

NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	2024.10.30	MP
2	ISSUED FOR PERMIT & TENDER	2025.02.14	MP



**DEI**  
Consulting Engineers Inc.  
MECHANICAL | ELECTRICAL | AQUATIC

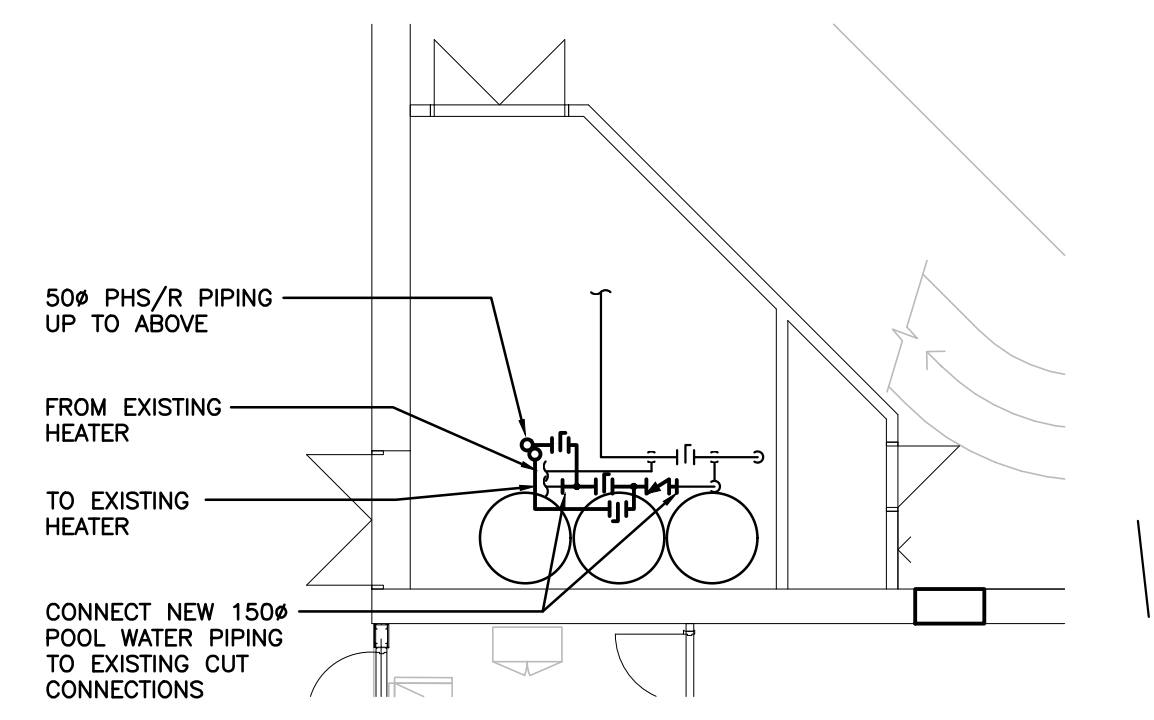
PROJECT:  
**CENTURY GARDENS RECREATION CENTRE**  
340 VODDEN ST. EAST,  
BRAMPTON, ONTARIO

DRAWING:  
**ROOF PART PLAN - RENOVATION**

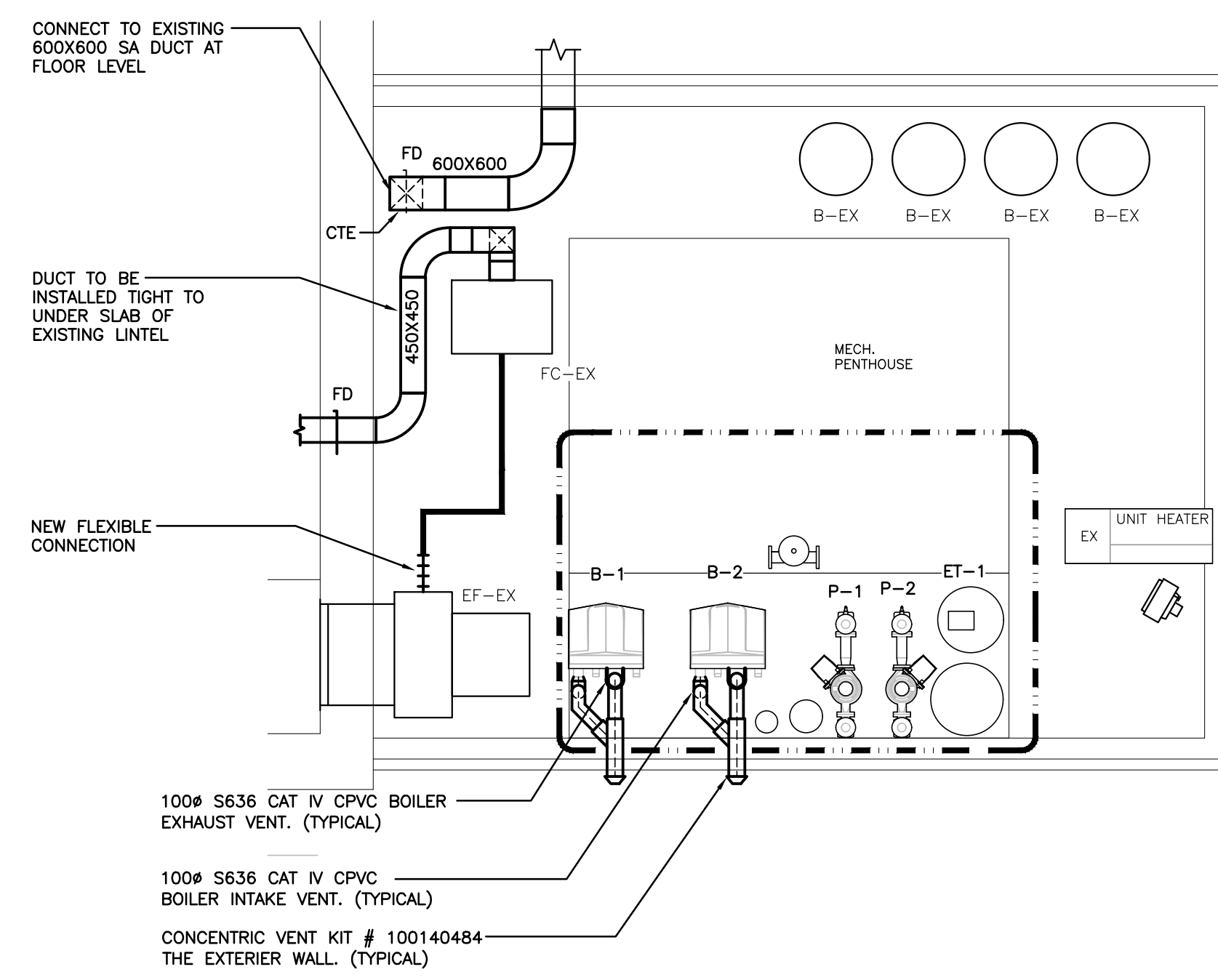
DESIGN BY: MP  
DRAWN BY:  
CHECKED BY: MP  
DATE: NOV 2023  
SCALE: AS NOTED  
FILE:

PROJECT NO: **23295**  
DRAWING NO: **M301**

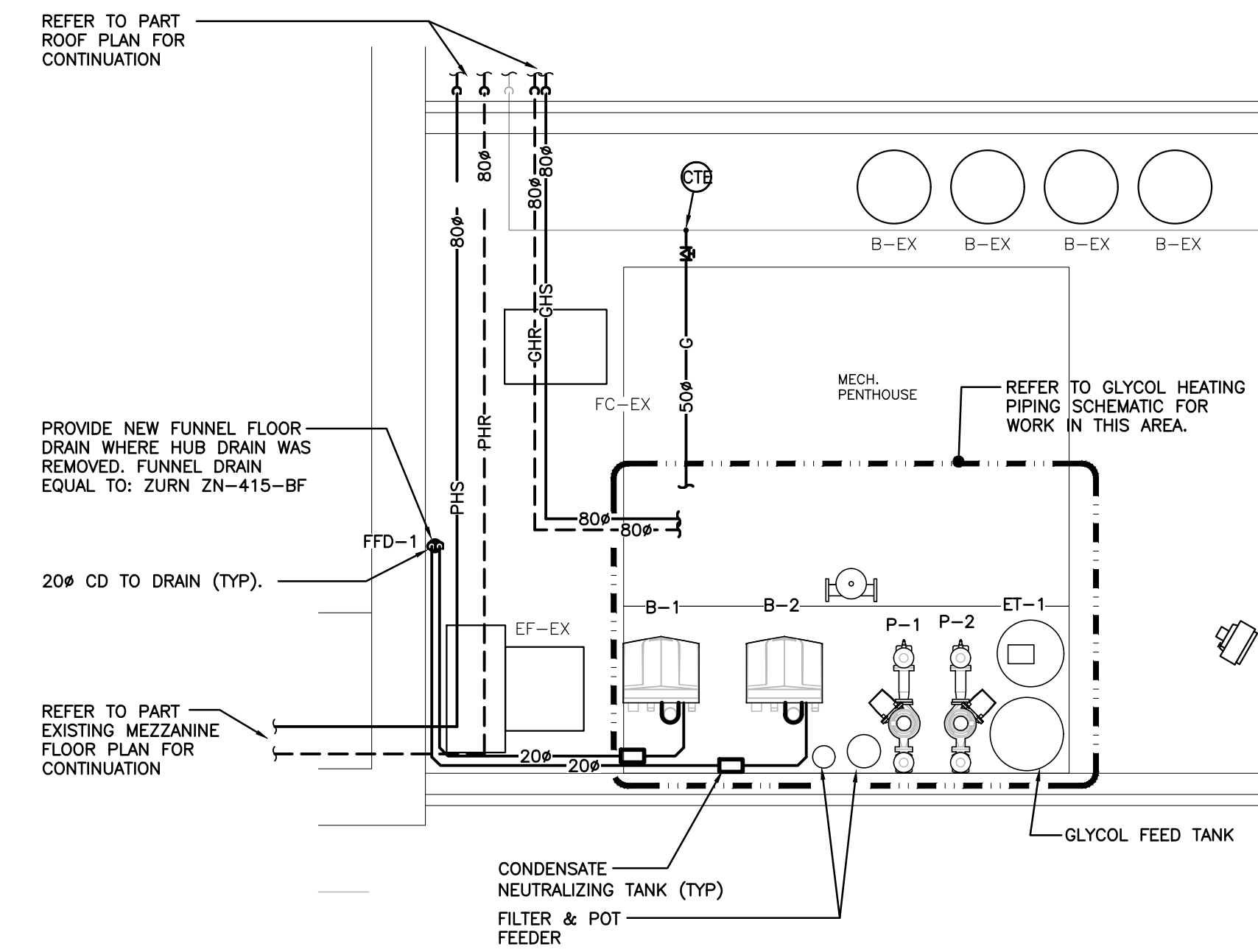




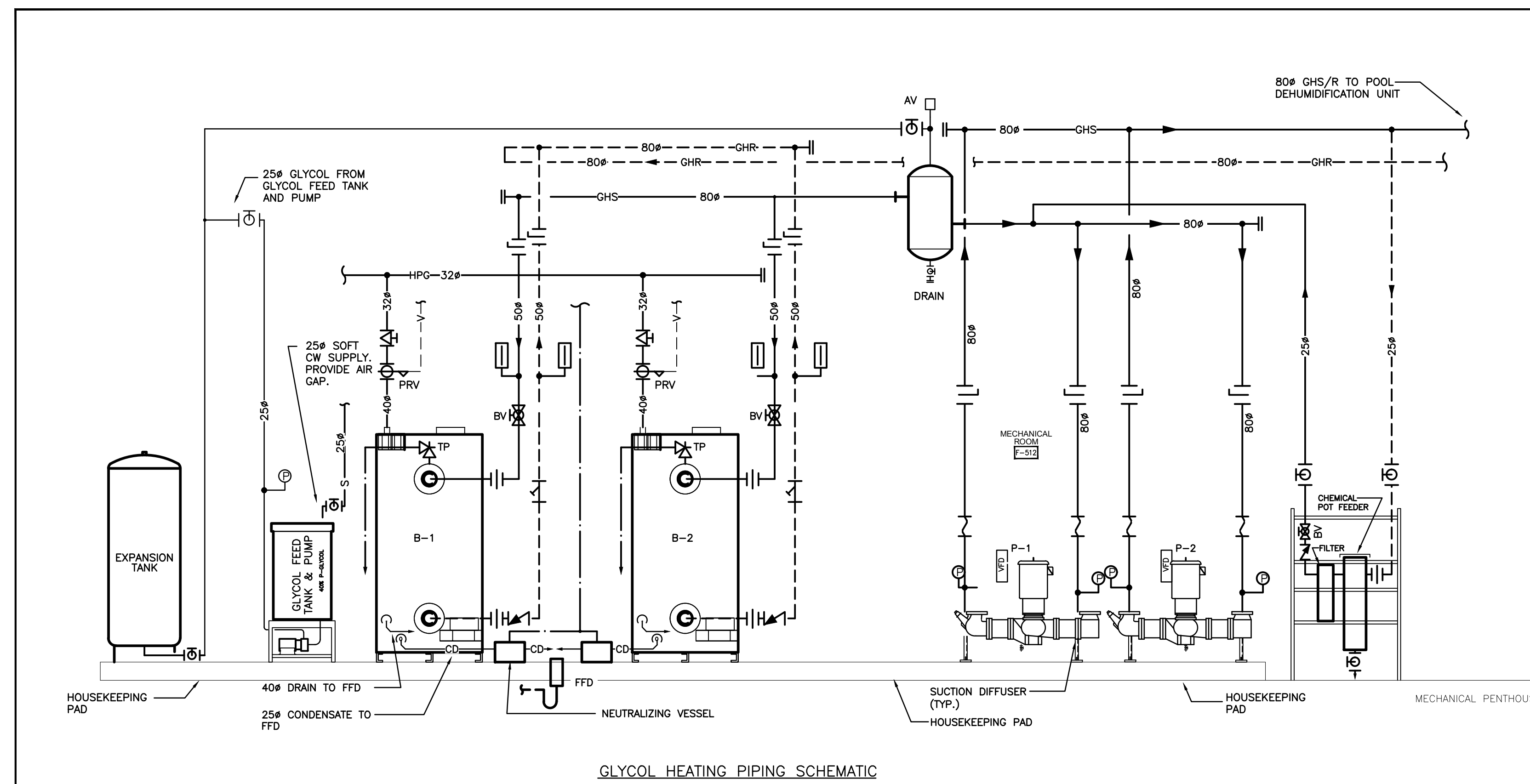
PART\_GROUND FLOOR FILTER ROOM PLAN  
SCALE: 1:50



PART MECH PENTHOUSE PLAN - VENTILATION  
SCALE: 1:50



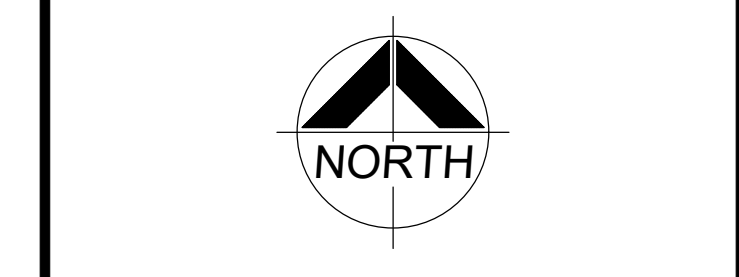
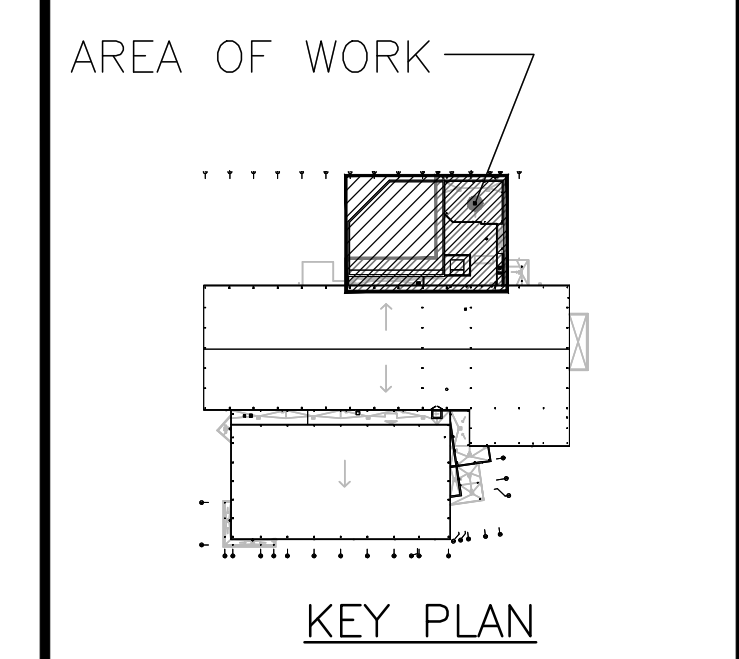
PART MECH PENTHOUSE PLAN - PLUMBING & HEATING  
SCALE: 1:50



GLYCOL HEATING PIPING SCHEMATIC

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.  
The drawings show general arrangement of services. Follow as shown on actual building construction. All permits, codes, approvals or restrictions of service from Canadian Codes, commencement of the work.  
The drawings do not indicate all offsets, fittings and accessories which may be required. Provide the same to meet the required conditions.  
All specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned to the consultant at the completion of the project. These documents are not to be duplicated or copied without the consent of the consultant. Do not scale the drawing.

NO.	ISSUES	DATE	BY
1	ISSUED FOR REVIEW	2024.10.30	MP
2	ISSUED FOR PERMIT & TENDER	2025.02.14	MP



15 Northwood Road  
Windsor, ON N9A 1K8  
Phone: 519-253-0200  
Fax: 519-253-0201  
Project Number: 23295

**DEI**  
Consulting Engineers Inc.  
MECHANICAL | ELECTRICAL | AQUATIC

PROJECT:  
**CENTURY GARDENS RECREATION CENTRE**  
340 VODDEN ST. EAST,  
BRAMPTON, ONTARIO

DRAWING:  
ROOF PART PLAN - RENOVATION

DESIGN BY: MP  
DRAWN BY:  
CHECKED BY: MP  
DATE: NOV 2023  
SCALE: AS NOTED  
FILE:  
PROJECT NO: 23295 DRAWING NO: M302

14 Feb 25  
M.S. PAGE  
19875722  
MP  
PRICE OF DRAWING

15 Northwood Road  
Windsor, ON N9A 1K8  
Phone: 519-253-0200  
Fax: 519-253-0201  
Project Number: 23295

**DEI**  
Consulting Engineers Inc.  
MECHANICAL | ELECTRICAL | AQUATIC

PROJECT:  
**CENTURY GARDENS RECREATION CENTRE**  
340 VODDEN ST. EAST,  
BRAMPTON, ONTARIO

DRAWING:  
ROOF PART PLAN - RENOVATION

DESIGN BY: MP  
DRAWN BY:  
CHECKED BY: MP  
DATE: NOV 2023  
SCALE: AS NOTED  
FILE:  
PROJECT NO: 23295 DRAWING NO: M302