

1 CRAWL SPACE - NEW PLAN  
SCALE: 1/8" = 1'-0"

PROJECT NO. 13003  
DATE: 08/20/2014



- GENERAL NOTES:**
- ALL NEW WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL MECHANICAL CODES AND ALL APPLICABLE LOCAL ORDINANCES AND REGULATIONS.
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Project No./Rev. No.	13003 / A1	Sheet No./Total	0 / 0
Project Name	LAB AND DOMESTIC WATER RE-PIPE PROJECT		
Client/Owner	CFRA BURNABY LAB		
Project Address	3155 WILKINGDON GREEN		
Project Description	LAB AND DOMESTIC WATER RE-PIPE PROJECT		
Contractor	SUNSHINE CONTRACTORS INC.		
Design/Drawn by	[Name]		
Checked by	[Name]		
Approved by	[Name]		
Date	08/20/2014		

**PROJECT NORTH**

**elemental** ARCHITECTURAL AND BUILDING SCIENCE SOLUTIONS

SUITE 118 - 3919 HENNING DRIVE BURNABY BRITISH COLUMBIA V5C 6P8 T. 604.568.6990 F. 604.568.6993 www.elemental.ca

13003 - A1 - 08/20/14

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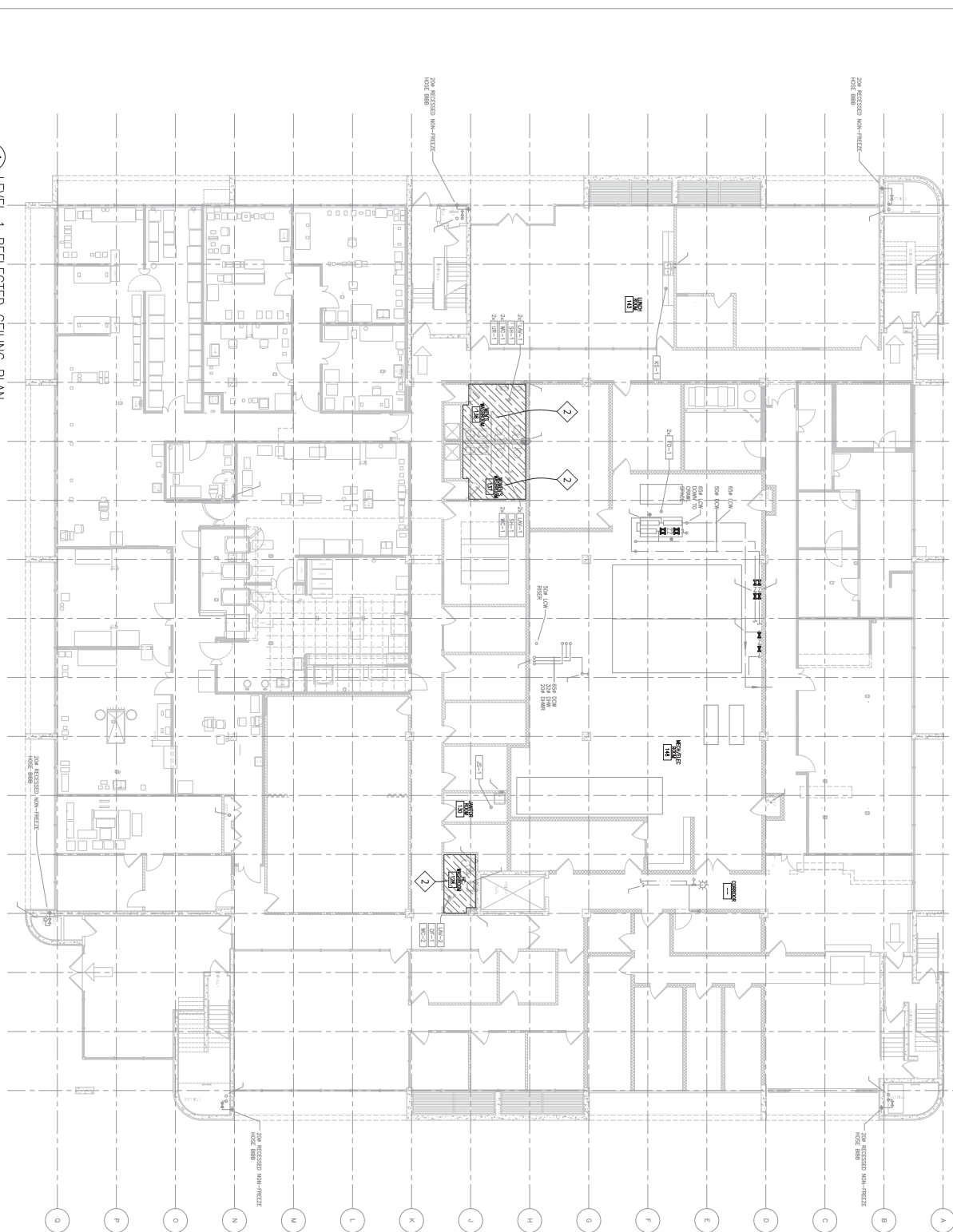
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# LEVEL 1 REFLECTED CEILING PLAN

SCALE: 1/16"



- DETAILS:**
- ALL NEW CEILING OR CEILING TRIMMING AND TRIMMING SHALL BE APPROVED BY THE STRUCTURAL ENGINEER AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT EDITIONS OF THE CANADIAN BUILTING CODES AND SPECIFICATIONS.
  - ALL NEW CEILING TRIMMING SHALL BE INSTALLED AND APPROVED BY THE STRUCTURAL ENGINEER AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT EDITIONS OF THE CANADIAN BUILTING CODES AND SPECIFICATIONS.
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  - CEILING TRIMMING SHALL BE INSTALLED AND APPROVED BY THE STRUCTURAL ENGINEER AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT EDITIONS OF THE CANADIAN BUILTING CODES AND SPECIFICATIONS.

**2**  
REFLECTED CEILING LIGHTING SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT EDITIONS OF THE CANADIAN BUILTING CODES AND SPECIFICATIONS.

100% GREEN  
REINFORCED CONCRETE  
SERVING BUSINESS  
Regions of Practice

REAL PROPERTY SERVICES



Project No./No. de projet: 13003  
Sheet No./Feuille: A2  
Project Date/Date de projet: 0

Revision	Description/Modifications	Date/Date
1	ISSUED FOR PERMIT	12/10/18
2	ISSUED FOR BIDDING	12/10/18
3	ISSUED FOR CONSTRUCTION	12/10/18

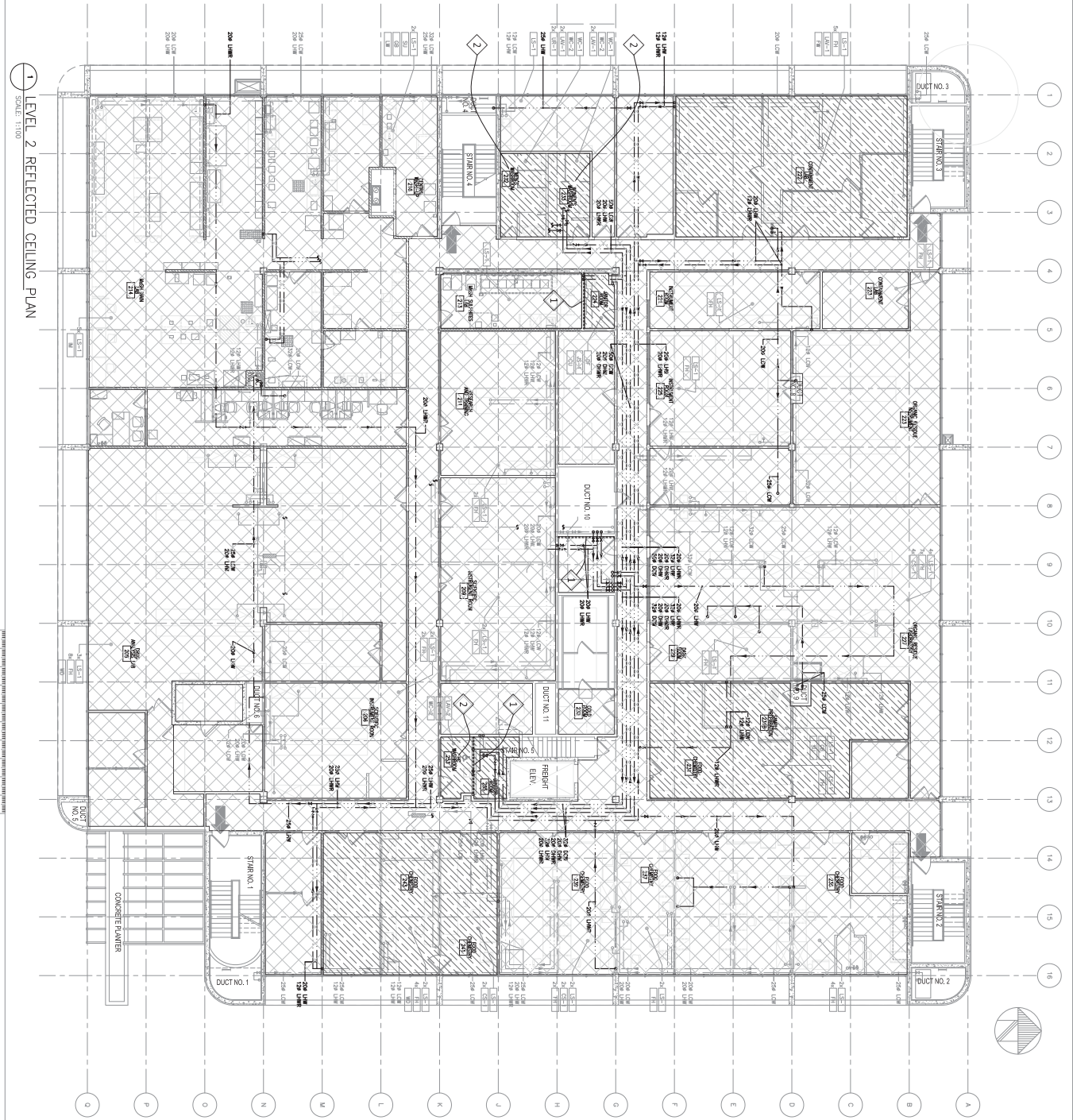
Consultant: Sigurdson 019  
Designed By/Conçu par: [Name]  
Drawn By/Dessiné par: [Name]

PROJECT: Project description/Description de projet: 13003  
LAB AND DOMESTIC WATER RE-PIPE PROJECT  
3155 WILKINSON GREEN  
CFR BURNABY LAB

Ownership: Sigurdson 019  
Designed By/Conçu par: [Name]  
Drawn By/Dessiné par: [Name]

PROJECT: Project description/Description de projet: 13003  
LAB AND DOMESTIC WATER RE-PIPE PROJECT  
3155 WILKINSON GREEN  
CFR BURNABY LAB

**1** LEVEL 2 REFLECTED CEILING PLAN  
SCALE: 1/16"



- NOTES:**
1. MATERIALS MUST BE SUBMITTED TO THE DESIGN TEAM FOR APPROVAL AND APPROVED BEFORE CONSTRUCTION.
  2. ALL NEW FLOORING MUST BE ACCEPTED AND INSPECTED BY THE ARCHITECT AND ENGINEER BEFORE PROCEEDING.
  3. ALL NEW ELECTRICAL WIRING MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES.
  4. ALL NEW MECHANICAL SYSTEMS MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL MECHANICAL ENERGY CODE AND ALL APPLICABLE LOCAL ORDINANCES.
  5. ALL NEW PLUMBING SYSTEMS MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE AND ALL APPLICABLE LOCAL ORDINANCES.
  6. ALL NEW PAINT SYSTEMS MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE LOCAL ORDINANCES.
  7. ALL NEW GROUNDING SYSTEMS MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES.
- GENERAL NOTES:**
- 1. REFLECTED CEILING PANELS TO BE SUPPLIED BY THE ARCHITECT AND ENGINEER.
  - 2. REFLECTED CEILING PANELS TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL CEILING CODE AND ALL APPLICABLE LOCAL ORDINANCES.
  - 3. REFLECTED CEILING PANELS TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL CEILING CODE AND ALL APPLICABLE LOCAL ORDINANCES.

Project No. / Rev. No.	13003 / 0
Sheet / Revision	A3 / 0
Project Name	CFR BURNABY LAB

3155 WILKINSON GREEN  
CFR BURNABY LAB  
LAB AND DOMESTIC  
WATER RE-PIPE  
PROJECT

Contractor / Subcontractor  
Design / Rev. No.

DATE: 2023-11-15

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	10/10/23
2	ISSUED FOR TENDER	10/10/23
3	ISSUED FOR CONSTRUCTION	10/10/23
4	ISSUED FOR AS-BUILT	10/10/23
5	ISSUED FOR CLOSE OUT	10/10/23

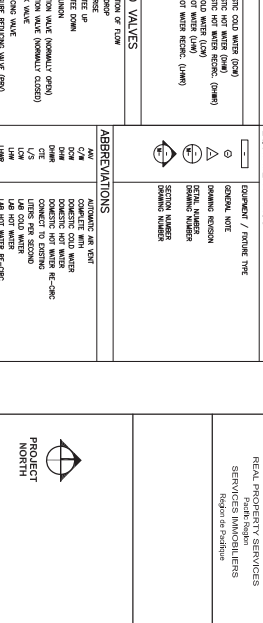
**PROJECT NORTH**

**elemental** ARCHITECTURAL AND BUILDING SCIENCE SOLUTIONS

SUITE 118 - 3189 HENNING DRIVE BURNABY BRITISH COLUMBIA V5C 6P8 T: 604.568.6990 F: 604.568.6993 www.elemental.ca

REGULATED BY THE REAL PROPERTY SERVICES ACT, BC REGULATION 505, 2012

REGULATED BY THE PROFESSIONAL ENGINEERS ACT, BC REGULATION 502, 2012



**SITE PLAN**  
 1/8" = 1'-0"  
 LAB AND DOMESTIC WATER RESILIENCE PROJECT

**MECHANICAL DRAWING LIST**

DWG NO.	MECHANICAL SITE DESCRIPTION	SCALE
M-1	MECHANICAL SITE RESPONSE SCHEDULES	1:100
M-2	CANAL, STAGE PUMP - NEW	1:100
M-3	LEVEL 1 PLUMBING	1:100
M-4	LEVEL 2 PLUMBING	1:100
M-5	ROOF PLUMBING	1:100
M-6	MECHANICAL DETAILS FOR CONSTRUCTION	N.T.S.
M-7	LEVEL 1 REFERENCED PLUMBING CONSTRUCTION	1:100
M-8	LEVEL 2 REFERENCED PLUMBING CONSTRUCTION	1:100

**STRUCTURAL COORDINATION NOTE**

LAB DESIGN AND CONSTRUCTION SHALL BE OF 2 STORY FRAME TYPE. ROOM SIZES OF WALLS SHALL BE CLEARLY MARKED OUT BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE STRUCTURAL HAS BEEN COMPLETED TO THE STRUCTURAL ENGINEER'S OWN REVIEW. THE CONTRACTOR SHALL VERIFY THE CONTRACTOR'S OWN DESIGN IS IN COMPLIANCE WITH THE PROJECT'S DESIGN REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CONTRACTOR'S OWN DESIGN IS IN COMPLIANCE WITH THE PROJECT'S DESIGN REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CONTRACTOR'S OWN DESIGN IS IN COMPLIANCE WITH THE PROJECT'S DESIGN REQUIREMENTS.

**ARCHITECTURAL COORDINATION NOTE**

LAB DESIGN AND CONSTRUCTION SHALL BE OF 2 STORY FRAME TYPE. ROOM SIZES OF WALLS SHALL BE CLEARLY MARKED OUT BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE STRUCTURAL HAS BEEN COMPLETED TO THE STRUCTURAL ENGINEER'S OWN REVIEW. THE CONTRACTOR SHALL VERIFY THE CONTRACTOR'S OWN DESIGN IS IN COMPLIANCE WITH THE PROJECT'S DESIGN REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CONTRACTOR'S OWN DESIGN IS IN COMPLIANCE WITH THE PROJECT'S DESIGN REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CONTRACTOR'S OWN DESIGN IS IN COMPLIANCE WITH THE PROJECT'S DESIGN REQUIREMENTS.

**PLUMBING FIXTURE ROUGH IN SCHEDULE**

TYPE	LOCATION	UNIT	QTY	REMARKS
WC	LAB 1	TOILET	1	
WC	LAB 1	SINK	1	
WC	LAB 2	TOILET	1	
WC	LAB 2	SINK	1	
WC	LAB 3	TOILET	1	
WC	LAB 3	SINK	1	
WC	LAB 4	TOILET	1	
WC	LAB 4	SINK	1	

**PLUMBING SCHEDULE**

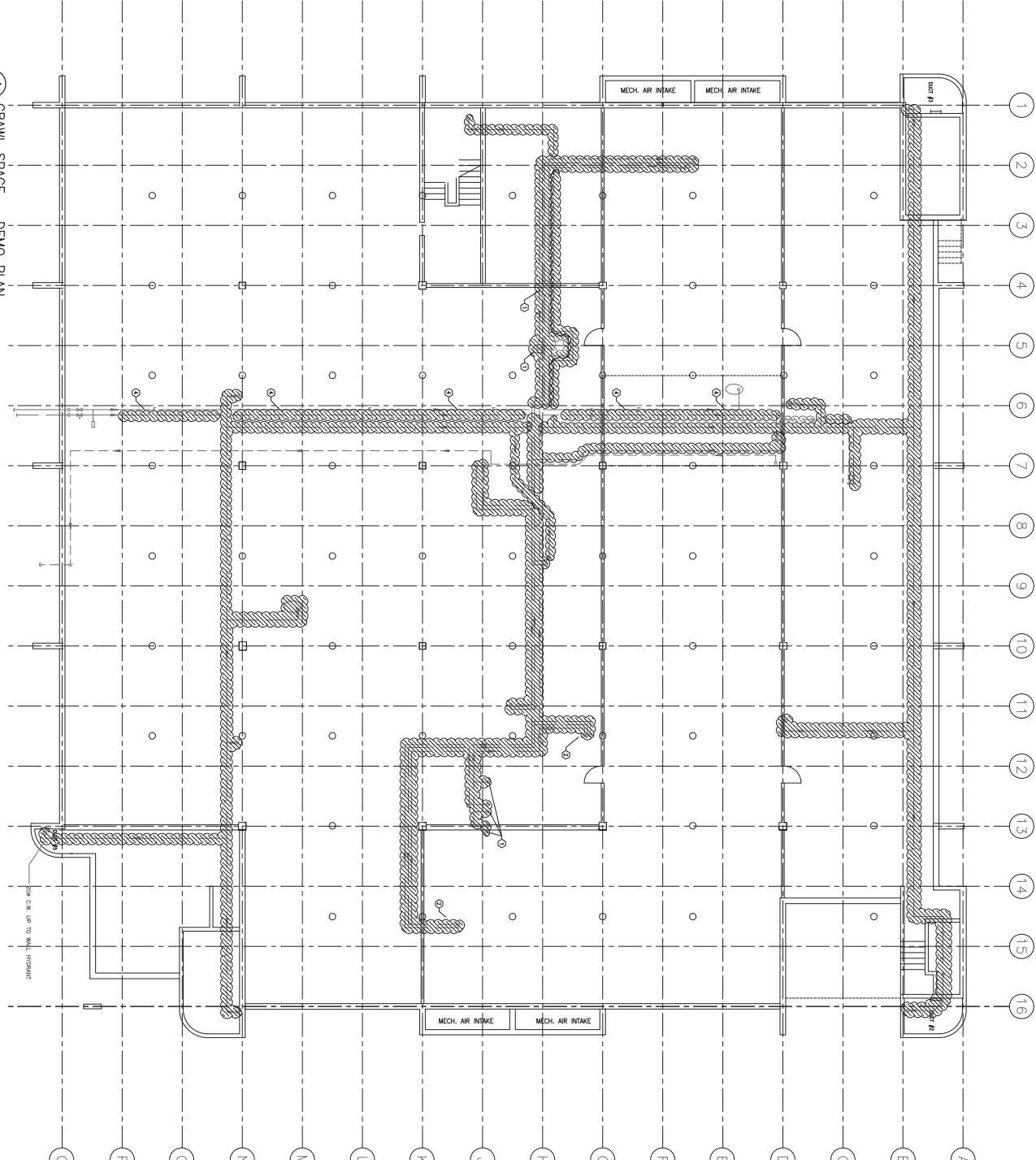
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
1	LAB 1 TOILET	1	EA
2	LAB 1 SINK	1	EA
3	LAB 2 TOILET	1	EA
4	LAB 2 SINK	1	EA
5	LAB 3 TOILET	1	EA
6	LAB 3 SINK	1	EA
7	LAB 4 TOILET	1	EA
8	LAB 4 SINK	1	EA

**PUMP SCHEDULE**

NO.	LOCATION	TYPE	MANUFACTURER	MODEL	FLOW (GPM)	HEAD (FT)	WATER SERVICE
1	LAB 1	LAB TOILET	GRUNDFOS	1-184	0.5	10	1/2"
2	LAB 1	LAB SINK	GRUNDFOS	1-184	0.5	10	1/2"
3	LAB 2	LAB TOILET	GRUNDFOS	1-184	0.5	10	1/2"
4	LAB 2	LAB SINK	GRUNDFOS	1-184	0.5	10	1/2"
5	LAB 3	LAB TOILET	GRUNDFOS	1-184	0.5	10	1/2"
6	LAB 3	LAB SINK	GRUNDFOS	1-184	0.5	10	1/2"
7	LAB 4	LAB TOILET	GRUNDFOS	1-184	0.5	10	1/2"
8	LAB 4	LAB SINK	GRUNDFOS	1-184	0.5	10	1/2"

**EXPANSION TANK SCHEDULE**

NO.	LOCATION	TYPE	MANUFACTURER	MODEL	VOLUME (GAL)	WATER SERVICE
1	LAB 1	LAB TOILET	GRUNDFOS	1-184	10	1/2"
2	LAB 1	LAB SINK	GRUNDFOS	1-184	10	1/2"
3	LAB 2	LAB TOILET	GRUNDFOS	1-184	10	1/2"
4	LAB 2	LAB SINK	GRUNDFOS	1-184	10	1/2"
5	LAB 3	LAB TOILET	GRUNDFOS	1-184	10	1/2"
6	LAB 3	LAB SINK	GRUNDFOS	1-184	10	1/2"
7	LAB 4	LAB TOILET	GRUNDFOS	1-184	10	1/2"
8	LAB 4	LAB SINK	GRUNDFOS	1-184	10	1/2"




1 CRAWL SPACE - DEMO PLAN  
SCALE: 1/8" = 1'-0"

- GENERAL NOTES:**
1. REFER TO MECHANICAL GENERAL NOTES ON SHEET ME-1 FOR MECHANICAL AND ELECTRICAL DETAILS OF EXHAUSTION SCOPE OF WORK.
  2. REFER TO CONCRETE WORK SHEET FOR DETAILS ON CONCRETE WORK.
  3. NEW SPACES TO BE SHOWN IN RED. TO ADJUST EXISTING SPACES TO ACCOMMODATE NEW SPACES, EXISTING SPACES MAY BE REMOVED OR ENLARGED.
  4. EXISTING EXHAUST SPACES AFTER NEW SPACES ARE INSTALLED.
  5. ALL MECHANICAL AND ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
  6. AFTER NEW SPACES ARE INSTALLED.

- GENERAL NOTES:**
1. REFER TO MECHANICAL GENERAL NOTES ON SHEET ME-1 FOR MECHANICAL AND ELECTRICAL DETAILS OF EXHAUSTION SCOPE OF WORK.
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  5. ALL MECHANICAL AND ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
  6. AFTER NEW SPACES ARE INSTALLED.


  
**AME Group**  
 Mechanical Professional Engineers  
 501-134 ABBOTT STREET  
 VANCOUVER, BC V6B 2A4  
 TEL: (604) 278-2999 F: (604) 278-2998  
 VANCOUVER, BC V6B 1A8


  
**PROJECT NORTH**


  
**REAL PROPERTY SERVICES**  
 SERVING REAL ESTATE  
 BROKERS & BUILDERS

NO.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR TENDER			
2	ISSUED FOR PERMIT			
3	ISSUED FOR CONSTRUCTION			
4	ISSUED FOR AS-BUILT			

Project: 11-11-11-11  
 3155 WILKINGDON GREEN  
 CRA BURNABY LAB  
**LAB AND DOMESTIC WATER RE-PIPE PROJECT**

Consultant: [Name]  
 Designer: [Name]  
 Date: [Date]

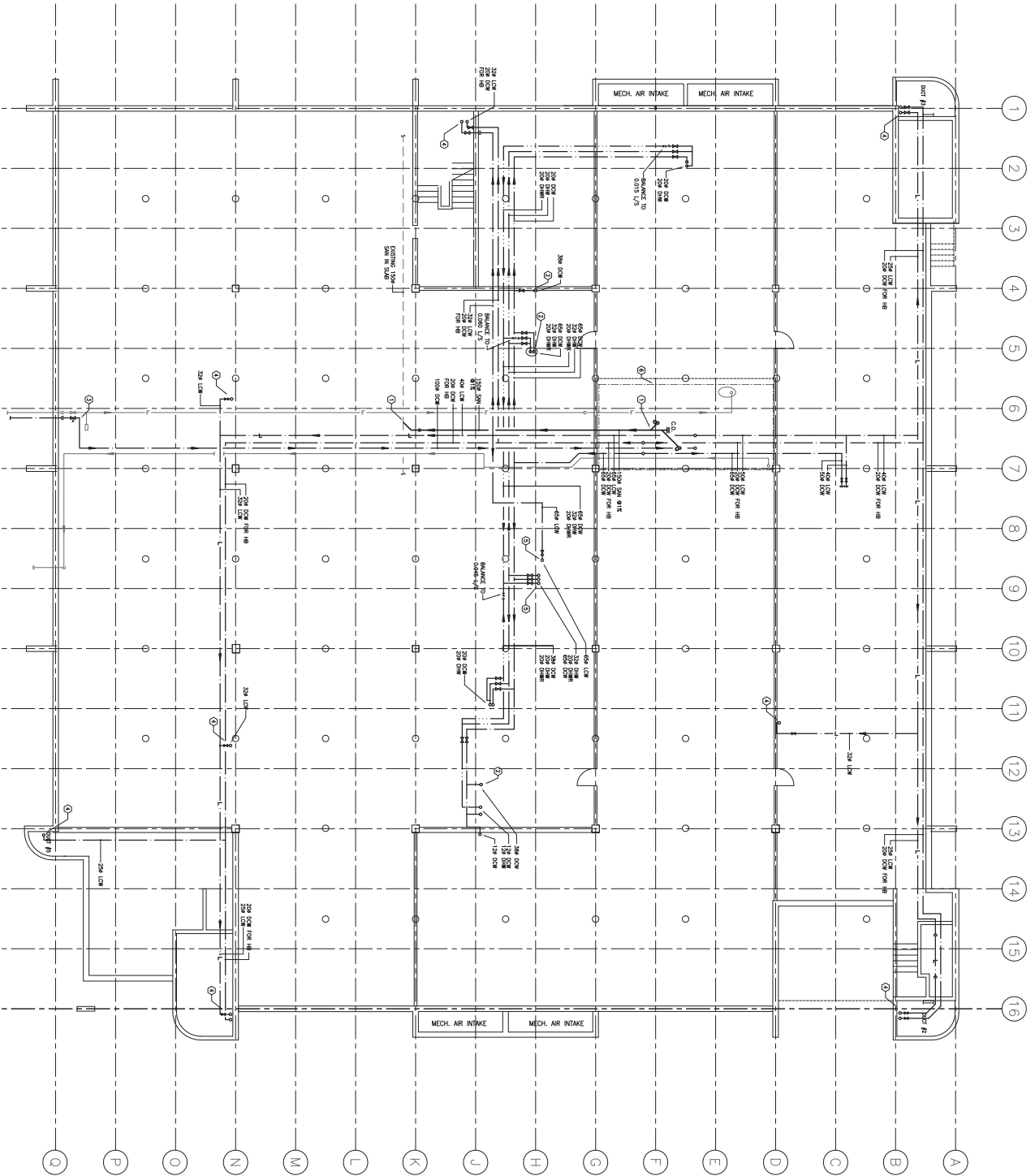
Project No./Rev. No.: M-2 / 2 of 14  
 Revision No.: 0

**GENERAL NOTES:**

1. REFER TO MECHANICAL GENERAL NOTES ON RING UP TO FOR ADDITIONAL WORK CONSIDERING INTENT
2. REFER TO SCHEDULE DIMS FOR WORK DETAILS ON VALVES, AND PIPING ARRANGEMENT
3. PROVIDE CORRECT BALANCE VALVES AND CHECK VALVES
4. ALL PIPES FINISHING TO THE ROOMS WILL TO BE SLOPED AND FREE STOPPED.

**GENERAL NOTES:**

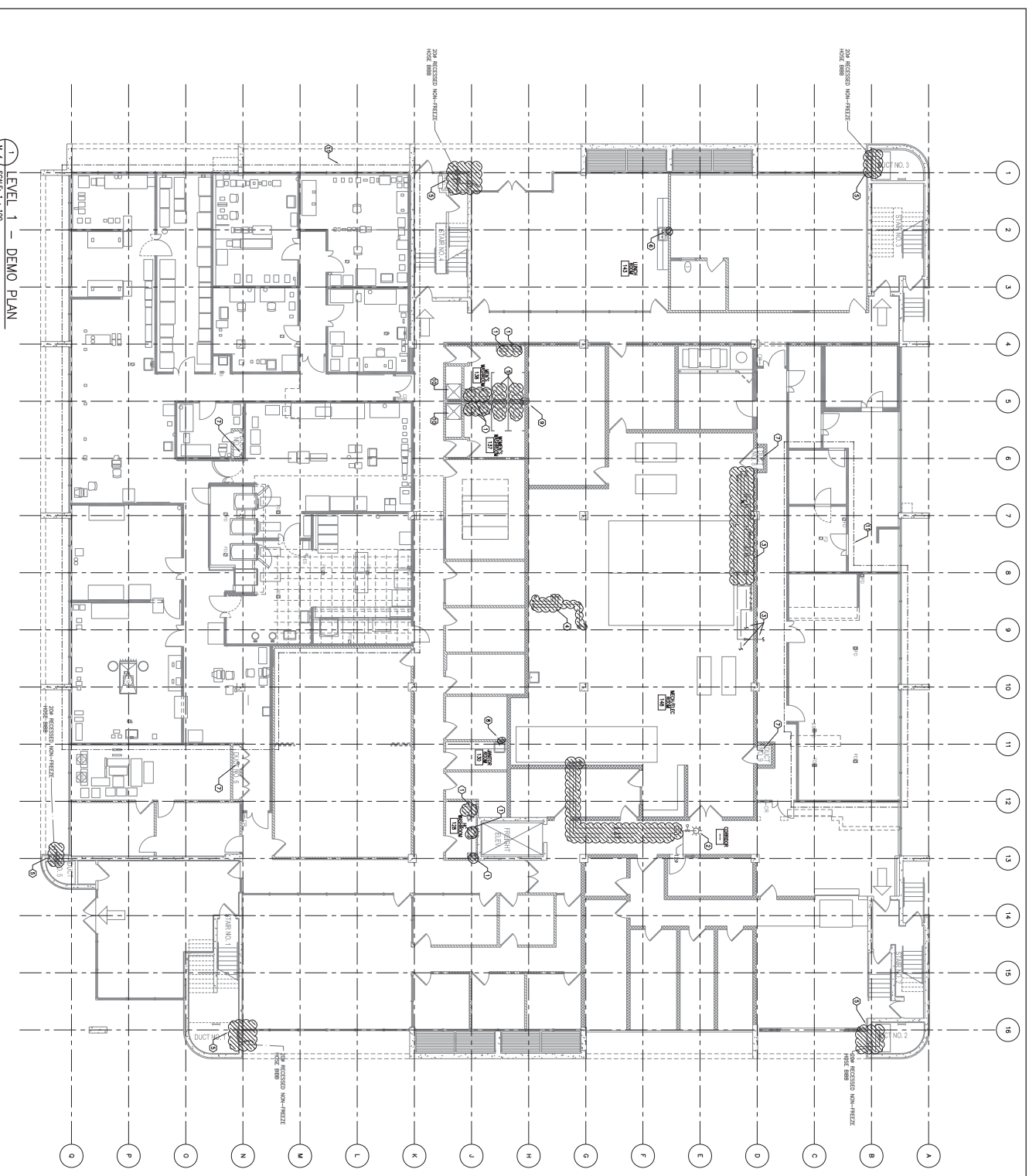
1. RUN NEW 1/2" DIA. COPPER LINE IN MECHANICAL ROOM DOWN TO EXISTING 1/2" DIA. COPPER LINE IN SLAB
2. RUN NEW PIPING UP TO SLAB PENETRATION FOR MECHANICAL ROOM DOWN TO EXISTING 1/2" DIA. COPPER LINE IN SLAB
3. RUN NEW 1/2" DIA. COPPER LINE IN MECHANICAL ROOM DOWN TO EXISTING 1/2" DIA. COPPER LINE IN SLAB
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15. MECH. AIR INTAKE
16. MECH. AIR INTAKE



1 CRAWL SPACE - NEW PLAN  
SCALE: 1/8\"/>



- GENERAL NOTES:**
1. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT.
  2. REMOVE EXISTING TEMPERING VALVES FOR DEMONSTRATION OF CHANGING PRESSURE TREATMENT. DEMONSTRATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE BC HYDRO CHANGING PRESSURE TREATMENT DESIGN GUIDELINES AND THE CANADIAN STANDARD FOR WATER TREATMENT PLANTS (CSA C892).
  3. REMOVE EXISTING WATER ENTRY ASSEMBLY AFTER DEMONSTRATION OF CHANGING PRESSURE TREATMENT. CONNECTION OF NEW WATER ENTRY ASSEMBLY, PIPING AND VALVES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE BC HYDRO CHANGING PRESSURE TREATMENT DESIGN GUIDELINES AND THE CANADIAN STANDARD FOR WATER TREATMENT PLANTS (CSA C892).
  4. REMOVE EXISTING FLOOR RISER AND LOW RISERS. REMOVE EXISTING FLOOR RISER AND LOW RISERS. REMOVE EXISTING FLOOR RISER AND LOW RISERS. REMOVE EXISTING FLOOR RISER AND LOW RISERS.
  5. REMOVE EXISTING LOW RISERS.
  6. REMOVE EXISTING FLOOR RISERS.
  7. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT.
  8. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT.
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  10. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT.
  11. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT.
  12. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT.
  13. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT.
  14. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT.
  15. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT.
  16. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT. REMOVE EXISTING TEMPERING VALVES IN PREPARATION FOR FUTURE CHANGING PRESSURE TREATMENT.



LEVEL 1 - DEMO PLAN  
 SCALE: 1:100

**AME Group**  
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 1100 WESTERN AVENUE  
 VANCOUVER, BC V6E 2V6  
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 FAX: (604) 681-5556  
 WWW.AMEGROUP.COM

Project: 3155 WILKINGDON GREEN  
 Client: CPRA SURINABY LAB  
 Project: LAB AND DOMESTIC WATER RESERVE PROJECT

No.	Description	Quantity	Unit	Notes
1	LABOR			
2	MATERIALS			
3	TRAVEL			
4	OVERHEADS			
5	TOTAL			

Project No. M-4  
 Date: 4/14/14  
 Revision: 0



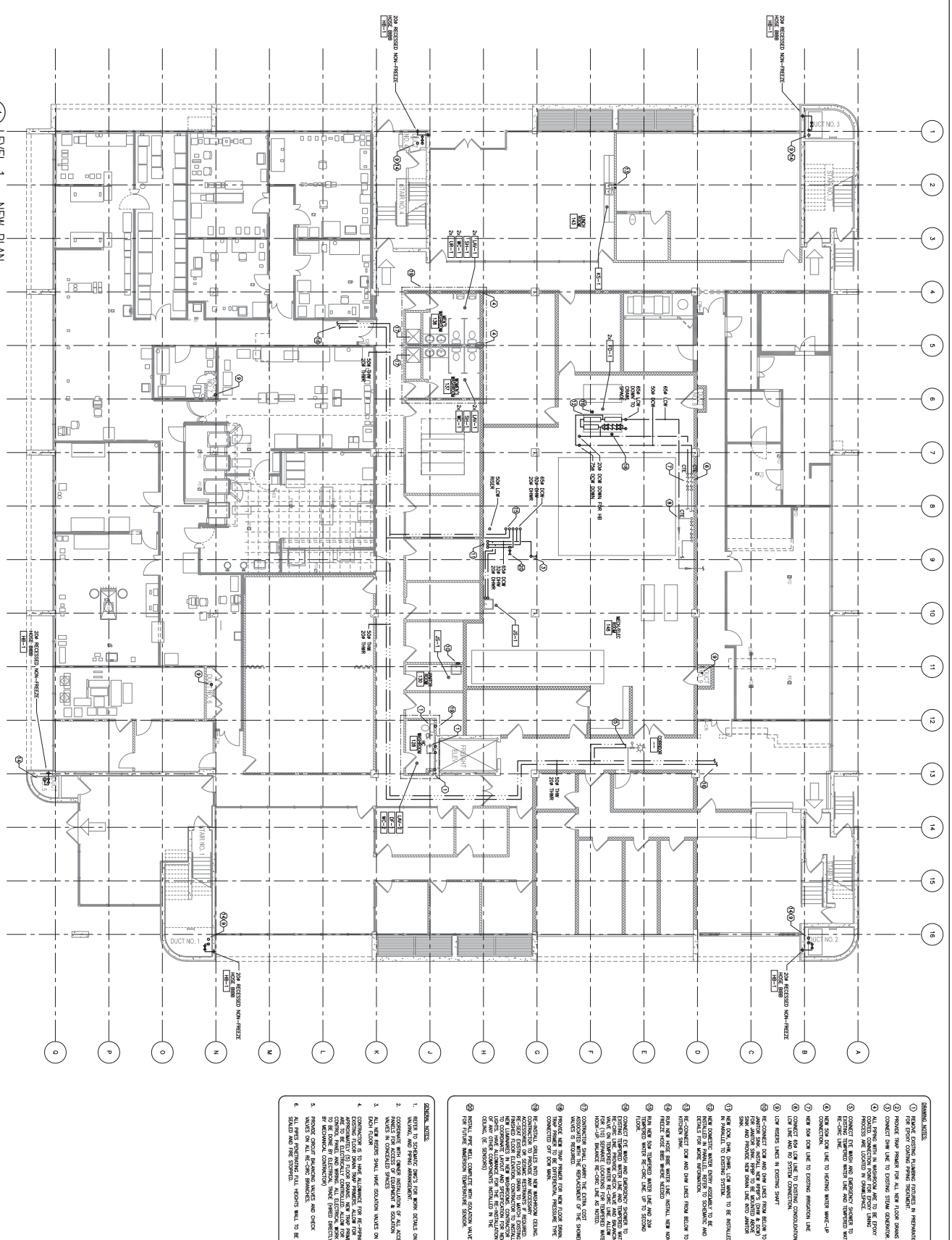
**AME Group**  
 AME Group  
 Professional Engineers  
 7100 S. UNIVERSITY DRIVE  
 SUITE 200  
 RALEIGH, NC 27613  
 TEL: (919) 876-2999 | FAX: (919) 876-2998  
 WWW.AMEGROUP.COM

Project: **LAB AND DOMESTIC WATER REPIPE PROJECT**  
 3155 WILKINGDON GREEN  
 CPA BUSINESS LAB  
 VANCOUVER, BC  
 PROJECT NO: 2023-001  
 SHEET NO: 05 OF 14

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	05/14/2023
2	ISSUED FOR CONSTRUCTION	05/14/2023
3	ISSUED FOR FINAL REVIEW	05/14/2023
4	ISSUED FOR AS-BUILT	05/14/2023

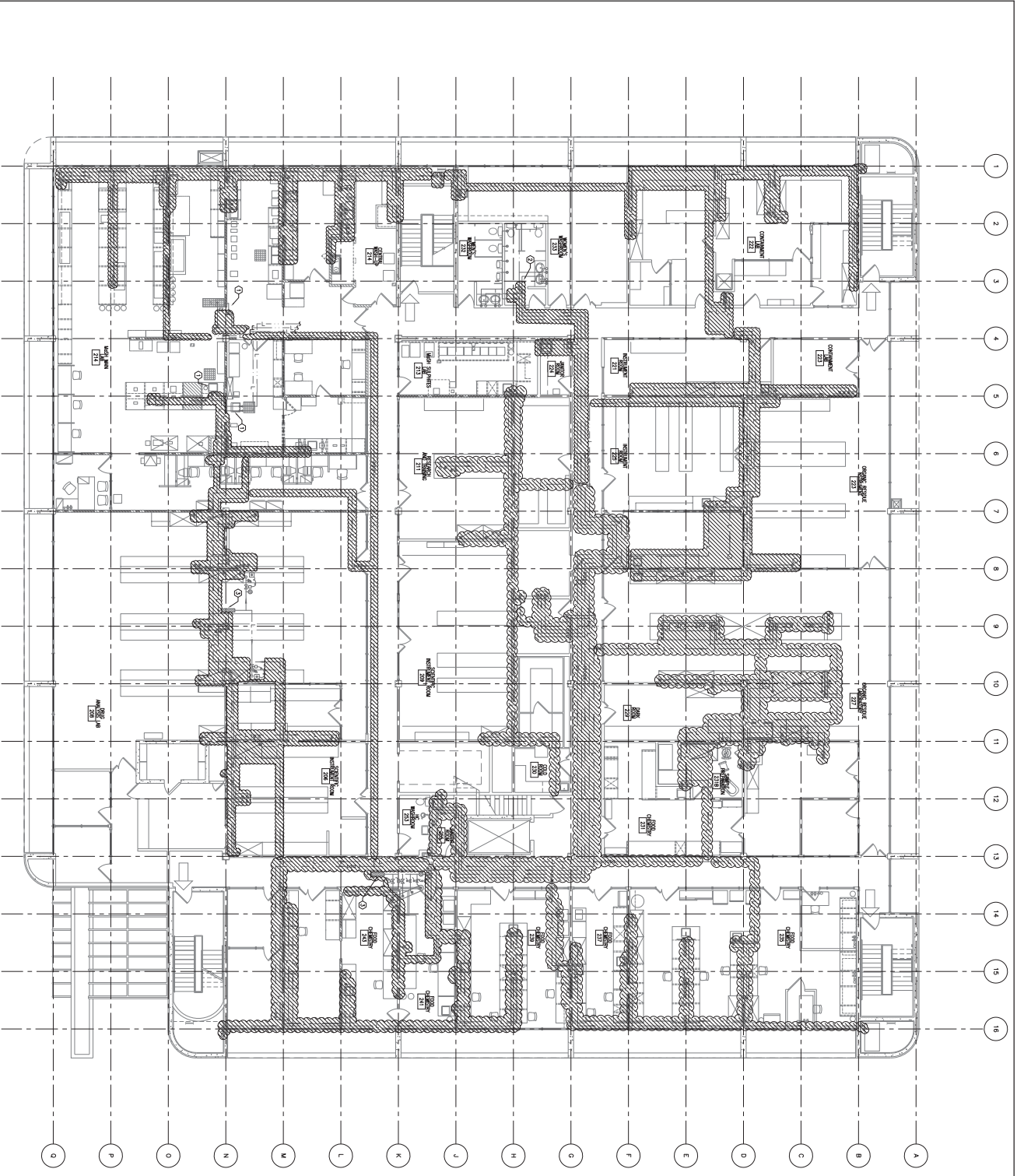
**LEVEL 1 PLAN - NEW**

Project No./Rev. No. 05 / 14  
 Date of Issue 05/14/23  
 Project Name LAB AND DOMESTIC WATER REPIPE PROJECT  
 Scale 1/8" = 1'-0"



**LEVEL 1 - NEW PLAN**  
 SCALE: 1/8" = 1'-0"





LEVEL 2 - DEMO PLAN  
SCALE: 1/8" = 1'-0"

- GENERAL NOTES:**
1. REFER TO MECHANICAL GENERAL NOTES FOR PIPE SIZES, EXISTING LAB AND LAB LINE'S AND PIPE SCHEDULE TO REMAIN.
  2. EXISTING CONCEALED PIPING IN WORKROOM TO REMAIN. EXISTING CONCEALED PIPING IN LABS TO REMAIN FROM COOL REFRIGERATE.
  3. RE-PIPE EXISTING LAB LINE UP TO RAMP FOR LABORATORY WORKSHOP.

- GENERAL NOTES:**
1. REFER TO MECHANICAL GENERAL NOTES FOR PIPE SIZES, EXISTING LAB AND LAB LINE'S AND PIPE SCHEDULE TO REMAIN.
  2. EXISTING CONCEALED PIPING IN WORKROOM TO REMAIN. EXISTING CONCEALED PIPING IN LABS TO REMAIN FROM COOL REFRIGERATE.
  3. RE-PIPE EXISTING LAB LINE UP TO RAMP FOR LABORATORY WORKSHOP.
  4. EXISTING CONCEALED PIPING IN WORKROOM TO REMAIN. EXISTING CONCEALED PIPING IN LABS TO REMAIN FROM COOL REFRIGERATE.
  5. RE-PIPE EXISTING LAB LINE UP TO RAMP FOR LABORATORY WORKSHOP.
  6. NO REMOVED PIPING LEFT IN CEILING IS ALLOWED AFTER NEW PIPING IS INSTALLED.

**PROJECT NORTH**

**AME Group**  
Professional Engineers

**PROJECT NORTH**

3155 WILKINGDON GREEN  
CPA SURBURY LAB  
LAB AND DOMESTIC  
WATER RE-PIPE  
PROJECT

3155 WILKINGDON GREEN  
CPA SURBURY LAB  
LAB AND DOMESTIC  
WATER RE-PIPE  
PROJECT

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CPA SURBURY LAB  
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WATER RE-PIPE  
PROJECT

PROJECT NORTH

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PROJECT

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CPA SURBURY LAB  
LAB AND DOMESTIC  
WATER RE-PIPE  
PROJECT

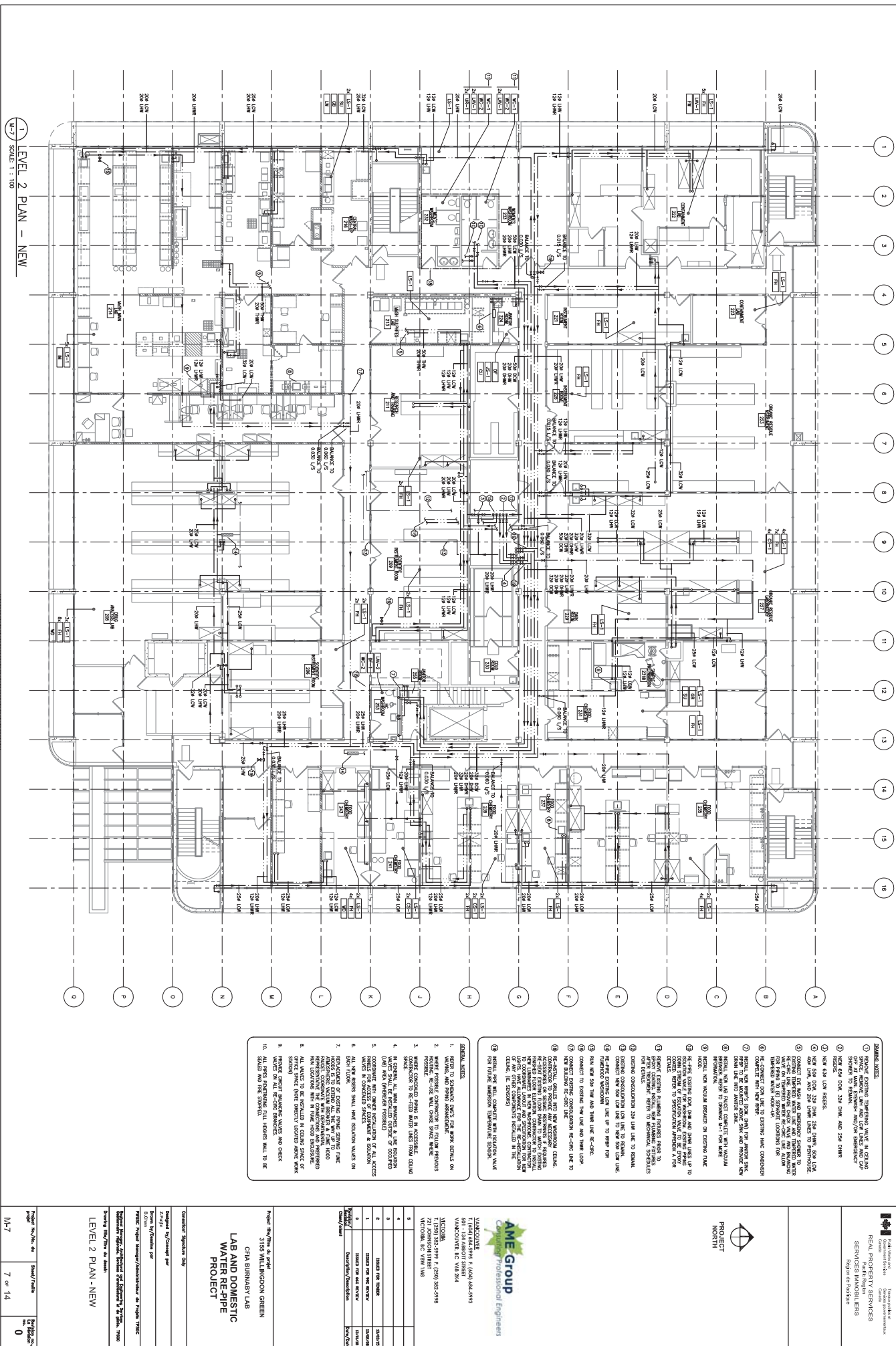
3155 WILKINGDON GREEN  
CPA SURBURY LAB  
LAB AND DOMESTIC  
WATER RE-PIPE  
PROJECT

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3155 WILKINGDON GREEN  
CPA SURBURY LAB  
LAB AND DOMESTIC  
WATER RE-PIPE  
PROJECT



LEVEL 2 PLAN - NEW  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES:**

1. ALL NEW PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE 2009 INTERNATIONAL PLUMBING CODE AND ALL APPLICABLE LOCAL ORDINANCES.
2. ALL NEW PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE 2009 INTERNATIONAL PLUMBING CODE AND ALL APPLICABLE LOCAL ORDINANCES.
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10. ALL NEW PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE 2009 INTERNATIONAL PLUMBING CODE AND ALL APPLICABLE LOCAL ORDINANCES.

**GENERAL NOTES:**

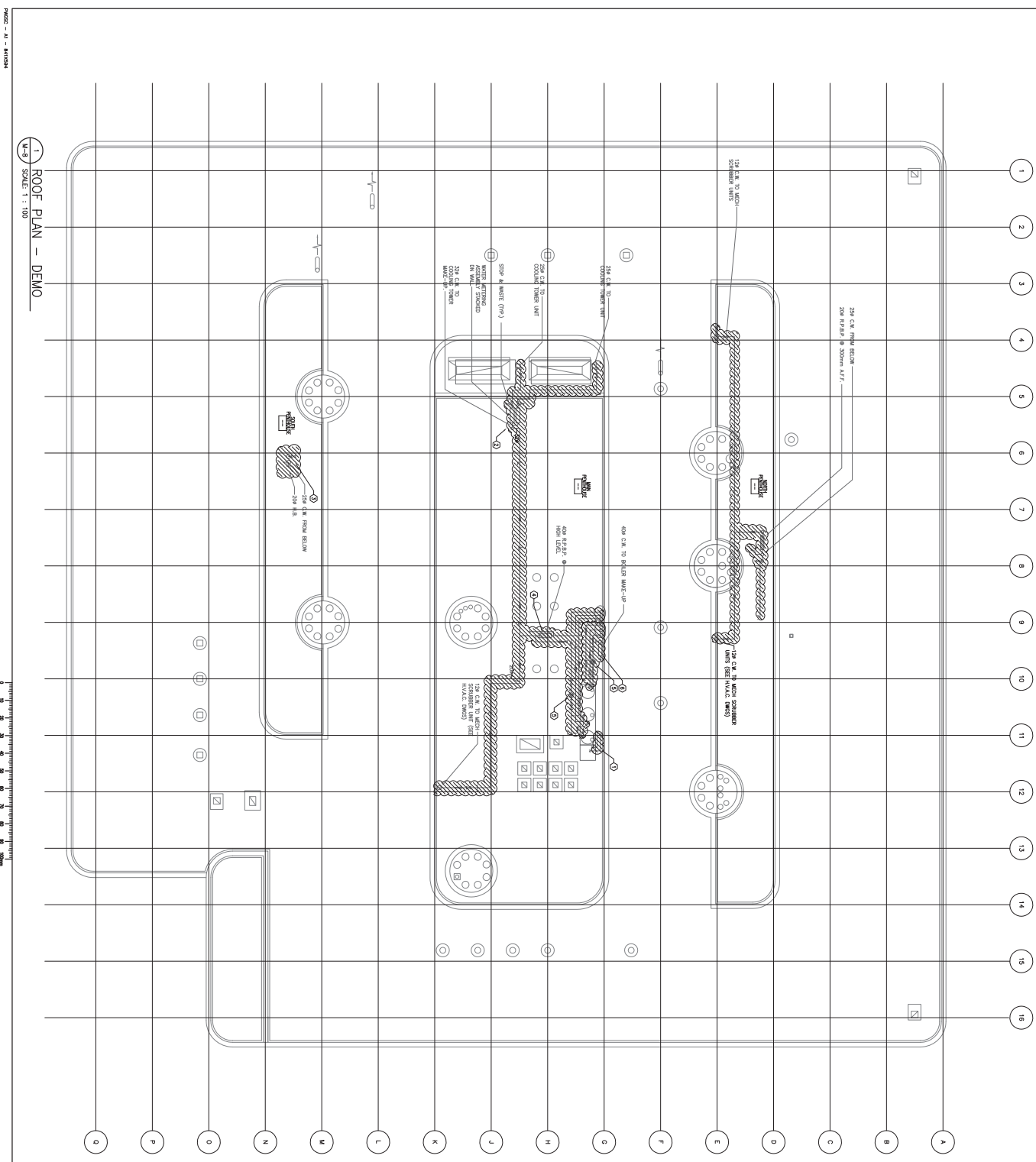
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NO.	DESCRIPTION	STATUS
1	ISSUED FOR PERMIT	ISSUED
2	ISSUED FOR REVIEW	ISSUED
3	ISSUED FOR REVIEW	ISSUED
4	ISSUED FOR REVIEW	ISSUED
5	ISSUED FOR REVIEW	ISSUED
6	ISSUED FOR REVIEW	ISSUED
7	ISSUED FOR REVIEW	ISSUED
8	ISSUED FOR REVIEW	ISSUED
9	ISSUED FOR REVIEW	ISSUED
10	ISSUED FOR REVIEW	ISSUED

LAB AND DOMESTIC WATER RE-PIPE PROJECT  
3158 WILMINGTON GREEN  
CRA BURNABY LAB  
Project No. / Title: 0819 004 001  
3158 ABBOTT STREET  
VANCOUVER, BC V6J 3K4  
MICHKA  
7 (604) 683-9991 / (604) 282-5798  
VANCOUVER, BC V6M 1M8



REAL PROPERTY SERVICES  
 PROJECT NORTH  
 7 or 14  
 0



1 ROOF PLAN - DEMO  
SCALE: 1:100

- GENERAL NOTES:**
1. REFER TO MECHANICAL GENERAL NOTES ON DRAWING SHEET FOR THE MECHANICAL SYSTEMS TO BE INSTALLED.
  2. REFER TO SCHEMATIC UNITS FOR MORE DETAILS ON THE MECHANICAL SYSTEMS TO BE INSTALLED.
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**PROJECT NORTH**

**AME Group**  
Professional Engineers

**PROJECT NORTH**

**REAL PROPERTY SERVICES**  
SERVING PARTIAL BILLS  
SERVICES TO BUILDERS

**PROJECT NORTH**

**AME Group**  
Professional Engineers

1250-1250  
VANCOUVER, BC V6A 4R9  
VANCOUVER, BC V6A 4R9  
VANCOUVER, BC V6A 4R9  
VANCOUVER, BC V6A 4R9

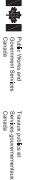
NO.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR TENDER	2024		
2	ISSUED FOR BIDDING	2024		
3	ISSUED FOR CONSTRUCTION	2024		
4	ISSUED FOR AS-BUILT	2024		

**LAB AND DOMESTIC WATER RECIPE PROJECT**

3155 WILKINGDON GREEN  
CPA SURBURY LAB  
WATER RECIPE PROJECT

**ROOF PLAN - DEMO**

Project No./No. de projet: M-8  
Scale/Echelle: 8' x 14'



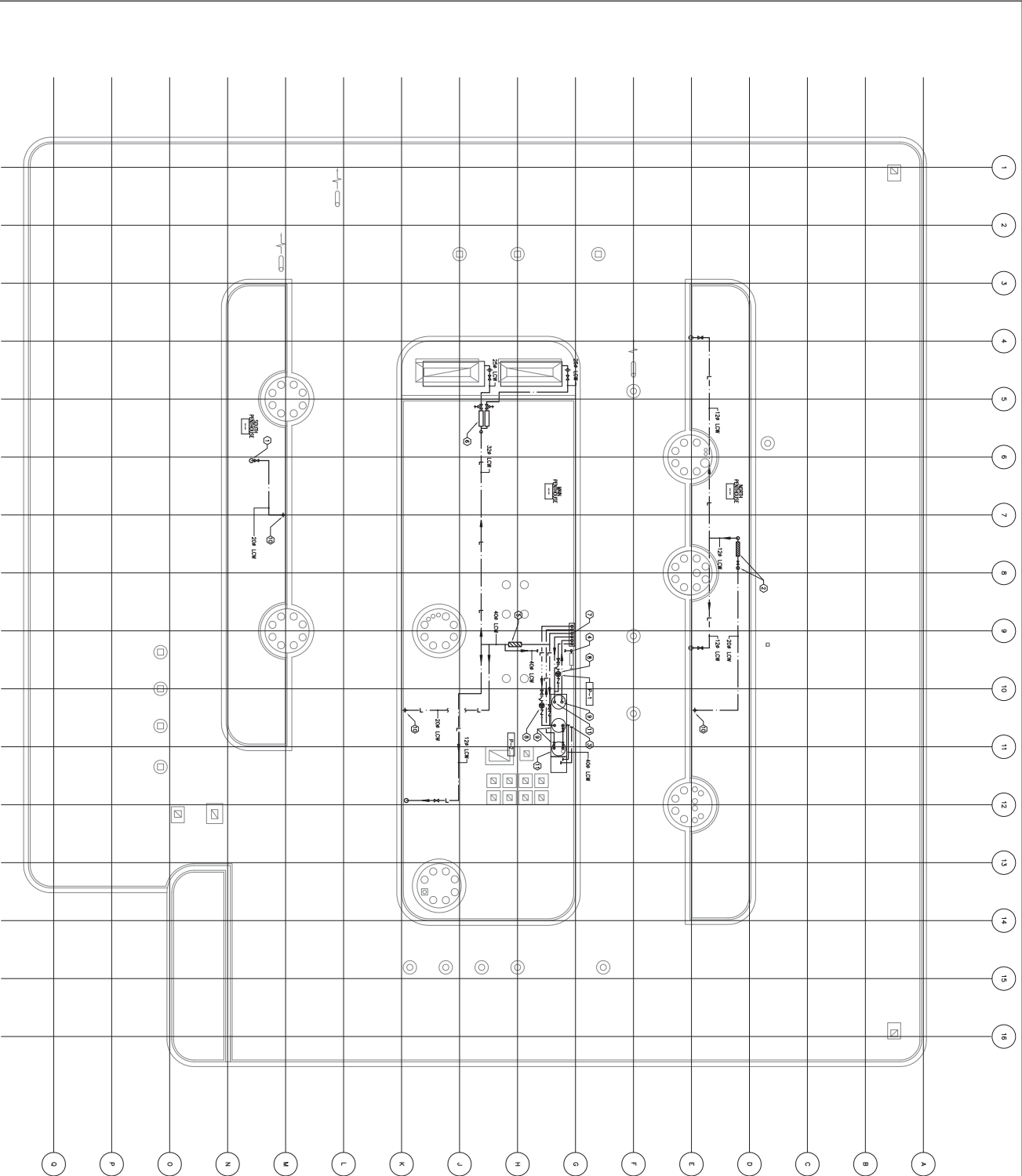
REAL PROPERTY SERVICES  
SERVING VANCOUVER'S NEEDS  
Member of Pacific



PROJECT  
NORTH

- 1. GENERAL NOTES: SEE ALL LINES DASHED OFF FOR...
- 2. RE-PIPE 200 LCM LOW LINE FROM EXISTING METALL...
- 3. FUTURE SCHEDULED FROM BELOW.
- 4. RE-PIPE 400 LCM CONNECTION TO EXISTING...
- 5. RE-PIPE 400 LCM FROM STINKING WASTE WATER...
- 6. AND CHECKED WATER MAKE-UP AND SCHEDULE...
- 7. RE-CONNECT LCM LINES TO EXISTING WATER...
- 8. REMOVE NEW PIPE FIXINGS FOR NEW PIPE...
- 9. RE-CONNECT NEW COOL WATER AND HOT WATER...
- 10. RE-CONNECT TO LOWER FLOOR AND IN EXISTING...
- 11. RE-CONNECT TO LOWER FLOOR AND IN EXISTING...
- 12. METALL CONNECTION FROM F-14 AND F-12. NEW PIPE...
- 13. METALL CONNECTION TO LOW CONNECTION DOWNWARD OF...

- 1. VERIFY TO SCHEDULE SHOP'S FOR WORK DETAILS ON...
- 2. NEW PIPING TO BE INSTALLED IN SAME ROUTE AS...
- 3. RE-CONNECT LCM LINES AFTER NEW PIPING SYSTEM...
- 4. REMOVAL OF ALL EXISTING PIPING INCLUDES REMOVAL...
- 5. NO DAMAGED PIPE LEFT IN CEILING IS ALLOWED.
- 6. CONFORMANCE TO ALL NEW PIPE SHALL BE AS PER...
- 7. CONNECTING TO EXISTING PIPE SHALL BE THROUGH...
- 8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH...



1 ROOF PLAN - NEW  
SCALE: 1" = 10'

**AME Group**  
Professional Engineers

VANCOUVER OFFICE  
7055 BRIDGEWAY #200  
VANCOUVER, BC V6S 2S6  
TEL: (604) 681-8888  
WWW.AMEGROUP.COM

NO.	DESCRIPTION	DATE	BY	CHKD/APP'D
1	ISSUED FOR TENDER			
2	ISSUED FOR THE REVIEW			
3	ISSUED FOR THE REVIEW			
4				
5				

Project Name/Title of report  
3155 WILMINGTON GREEN  
CPA SURINAVI LAB  
**LAB AND DOMESTIC  
WATER RE-PIPE  
PROJECT**

Contract/ Agreement type

Contract No./Contract per

From To/Issued per

Scale

Project Name/Subject/Description of Project

Project No./Title of report

Drawings No./Title of sheets

ROOF PLAN - NEW

Project No./Date of issue

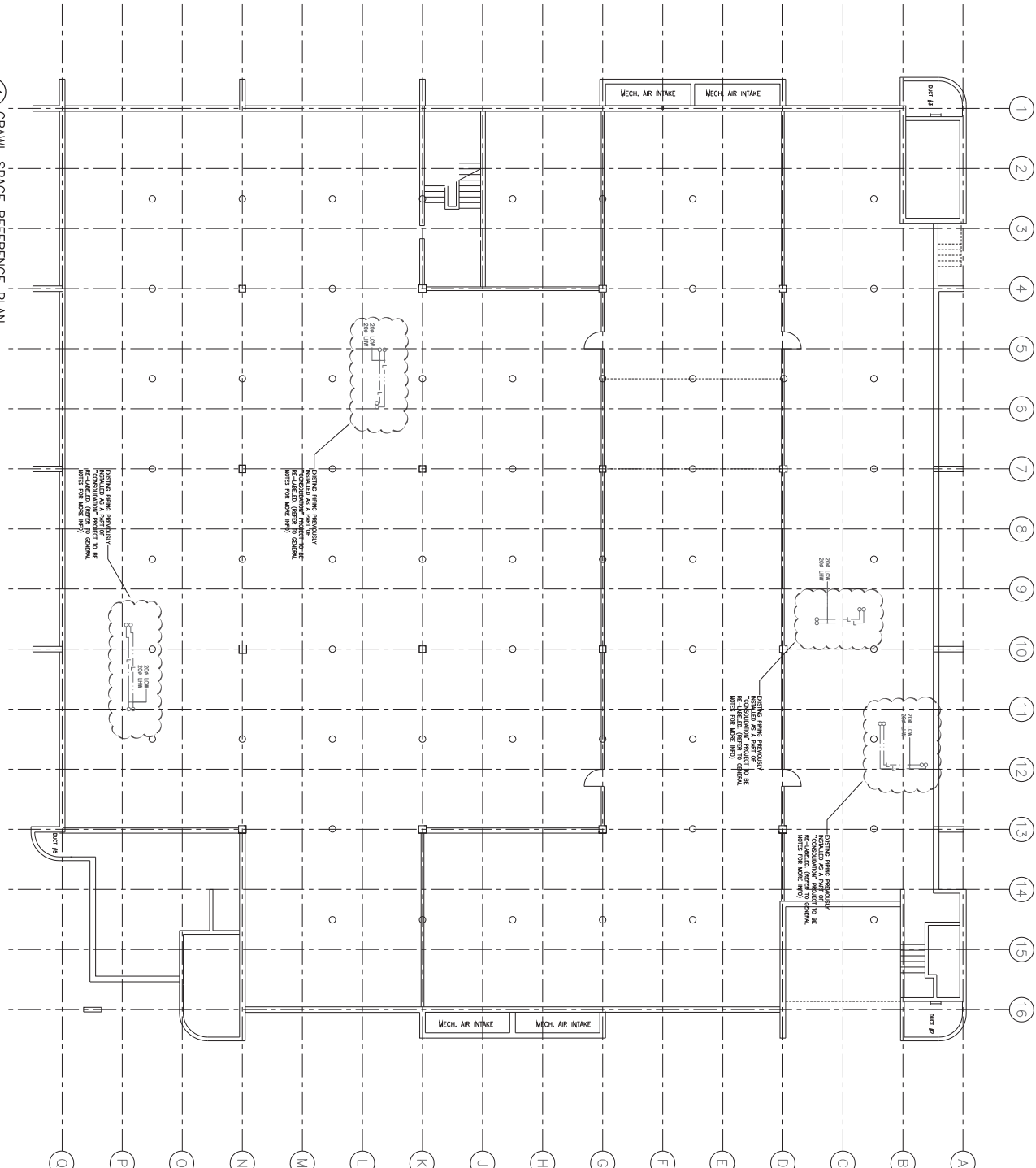
9 of 14

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1 CRAWL SPACE REFERENCE PLAN  
SCALE: 1/160

- GENERAL NOTES:**
- EXISTING AND CONSULTANT PIPING NETWORKS ARE SHOWN IN RED AND GREEN. CONSULTANT PIPING NETWORKS ARE NOT TO BE CONSIDERED AS EXISTING WORK UNLESS OTHERWISE NOTED.
  - EXISTING PIPING NETWORKS ARE TO BE RE-INSTALLED AS SHOWN IN RED AND GREEN. CONSULTANT PIPING NETWORKS ARE TO BE RE-INSTALLED AS SHOWN IN RED AND GREEN. CONSULTANT PIPING NETWORKS ARE TO BE RE-INSTALLED AS SHOWN IN RED AND GREEN. CONSULTANT PIPING NETWORKS ARE TO BE RE-INSTALLED AS SHOWN IN RED AND GREEN.
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**AME Group**  
Consulting Professional Engineers

2100 BAYVIEW AVENUE, SUITE 100  
VANCOUVER, BC V6S 1A6  
TEL: (604) 273-2991 FAX: (604) 273-2999  
WWW.AMEGROUP.COM

**PROJECT NORTH**

PROJECT NO. 11-11/10/2010

DATE: 12/14/10

REVISION: 0

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**LAB AND DOMESTIC WATER RE-PIPE PROJECT**

3155 WILKINGDON GREEN  
CPA SURBURY LAB

CONSULTANT: AME GROUP

DESIGNED BY: [Name]

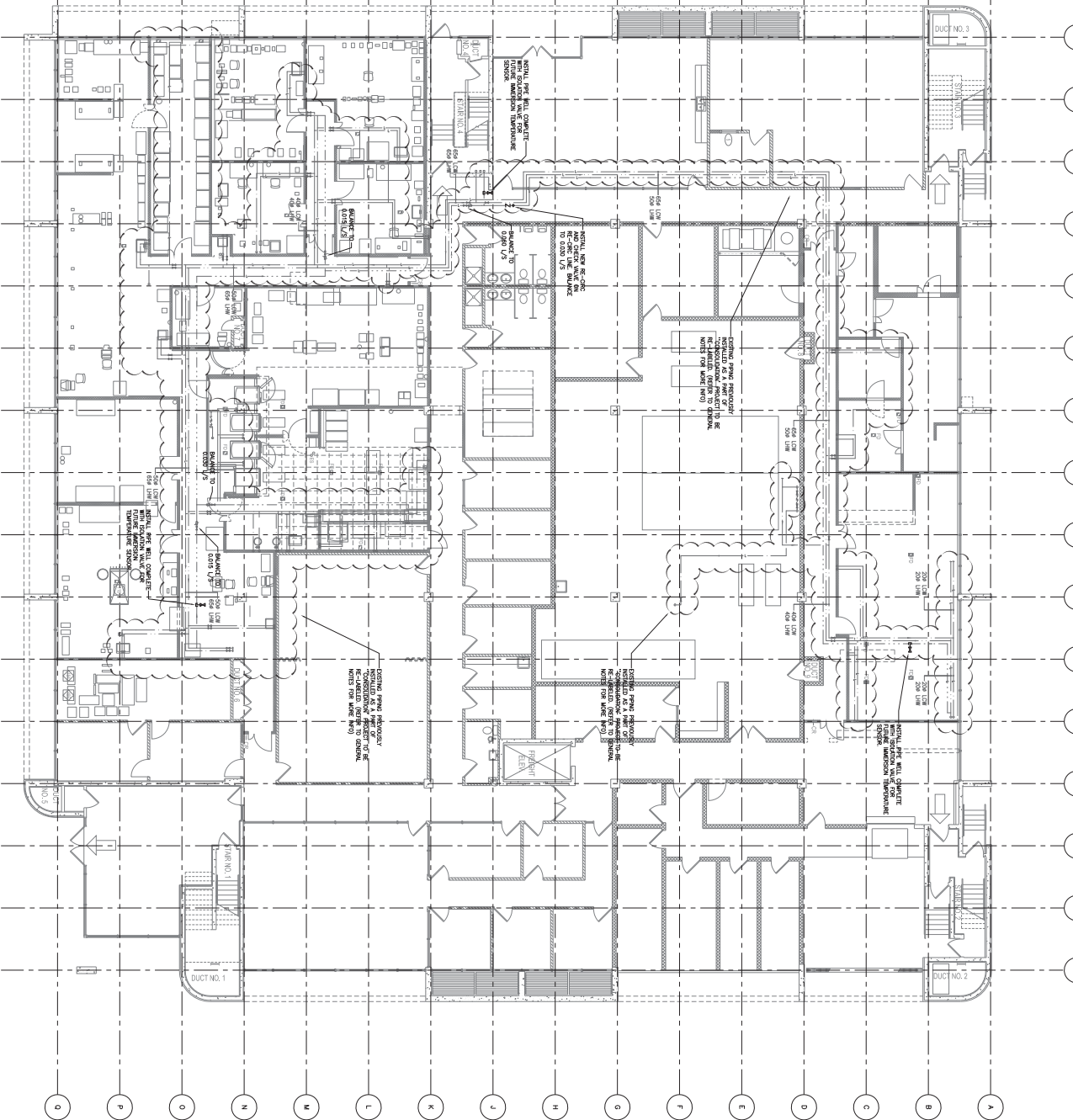
CHECKED BY: [Name]

DATE: [Date]

PROJECT: [Project Name]

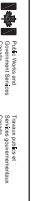
CLIENT: [Client Name]

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



LEVEL 1 REFERENCE PLAN  
SCALE: 1/8" = 1'-0"

- GENERAL NOTES:**
1. EXISTING AND PROPOSED WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
  2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
  3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
  4. ALLOW FOR NECESSARY REPAIRS AFTER EXISTING UTILITIES ARE REMOVED. CHECK AS REQUIRED FOR ACCURACY, ETC.



YANCOVITZ  
501-134 ABBOTT STREET  
VANCOUVER, BC V6B 2A4  
VICTORIA  
7 (250) 382-9991 F: (250) 382-5998  
VICTORIA, BC V8W 1M8

PROJECT NORTH

NO.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR TENDER			
2	ISSUED FOR THE REVIEW			
3	ISSUED FOR THE REVIEW			
4	REVISION/DESCRIPTION			

Project: 3155 WILKINGDON GREEN  
CFLA BURNABY LAB  
LAB AND DOMESTIC  
WATER REPIPE  
PROJECT

Contract: 3155 WILKINGDON GREEN  
3155 WILKINGDON GREEN  
CFLA BURNABY LAB

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CFLA BURNABY LAB

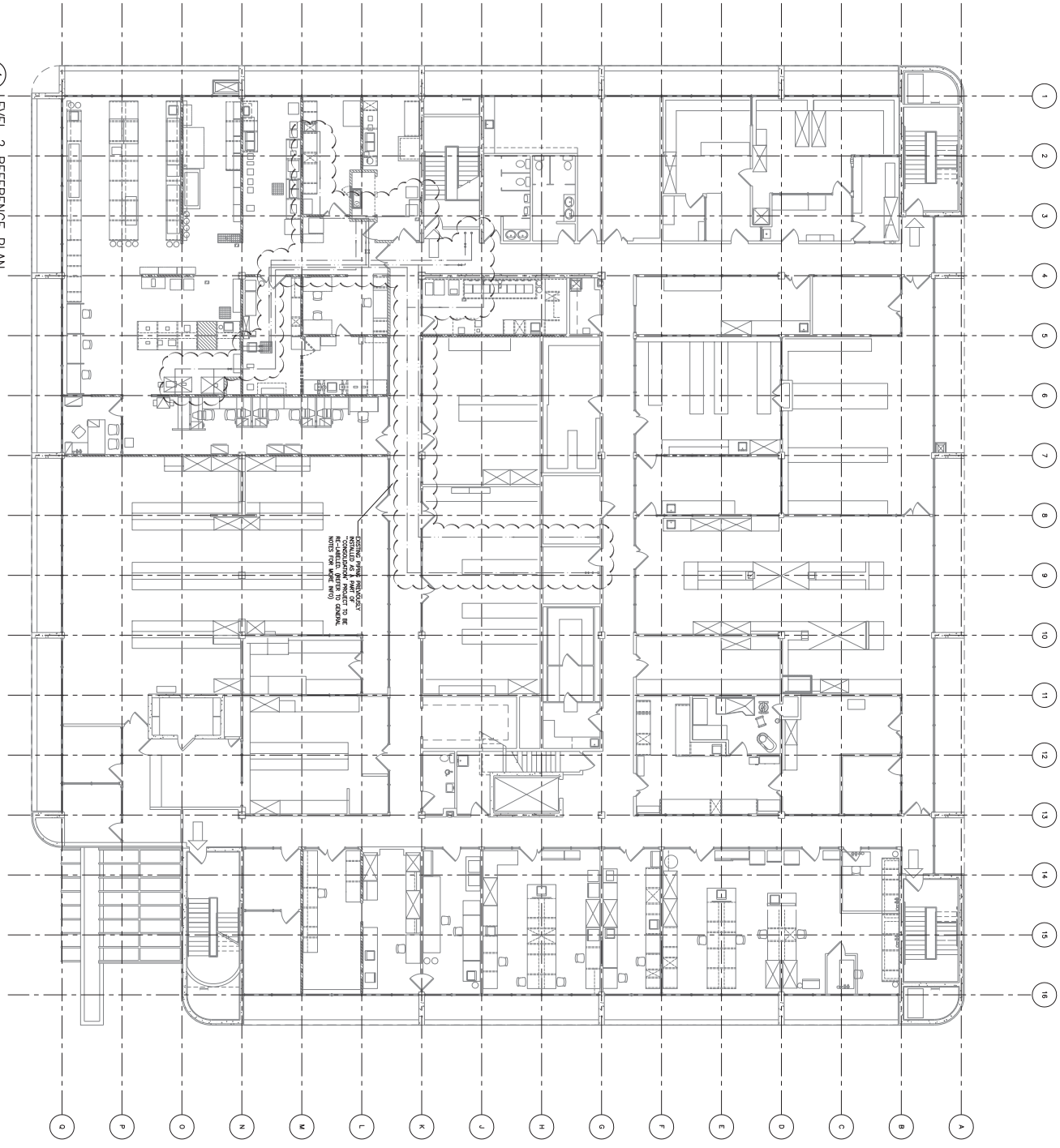
Contract: 3155 WILKINGDON GREEN  
3155 WILKINGDON GREEN  
CFLA BURNABY LAB

Contract: 3155 WILKINGDON GREEN  
3155 WILKINGDON GREEN  
CFLA BURNABY LAB



LEVEL 2 REFERENCE PLAN

SCALE: 1:150



- GENERAL NOTES:**
1. EXISTING ROOMS SHOWN IN CONFORMANCE OF EXISTING RECORD DRAWINGS AND CONSTRUCTION TO BE EXCLUDED FROM SCOPE OF WORK.
  2. FINISH SCHEDULE IS IN REFERENCE OF LUM, LUM AND CONSTRUCTION PROJECT.
  3. ALL EXISTING FINISH SCHEDULE IS TO BE RE-LABELLED AS PER THE SCHEDULE TO BE PROVIDED AS PART OF THE WORKS. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING FINISH SCHEDULE. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING FINISH SCHEDULE. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING FINISH SCHEDULE.
  4. FINISH SCHEDULE IS TO BE PROVIDED AS PART OF THE WORKS. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING FINISH SCHEDULE. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING FINISH SCHEDULE.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A B C D E F G H I J K L M N O P Q

**AME Group**  
 Consulting Professional Engineers  
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 501-134 ABBOTT STREET  
 VANCOUVER, BC V6A 2A4  
 TEL: (604) 278-2991 FAX: (604) 278-2998  
 7100 UNIVERSITY STREET  
 MICHOLM, BC V6W 1M8



PROJECT NORTH

Project: 141000 - 141000  
 3155 WILKINGDON GREEN  
 CPA SURVIVAL LAB  
**LAB AND DOMESTIC WATER RE-PIPE PROJECT**

Contract: 141000-01  
 Consultant: 141000-01  
 Designer: 141000-01  
 Project: 141000-01

Project No./Rev. No. 14 or 14  
 Revision No. 0