

MCW Consultants Ltd.

156 Front Street West, Suite 600, Toronto, Ontario M5J 2L6
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1821 Wellington Avenue, Suite 210, Winnipeg, MB. R3H 0G4
740 Nicola Street, Suite 200, Vancouver, B.C. V6G 2C1

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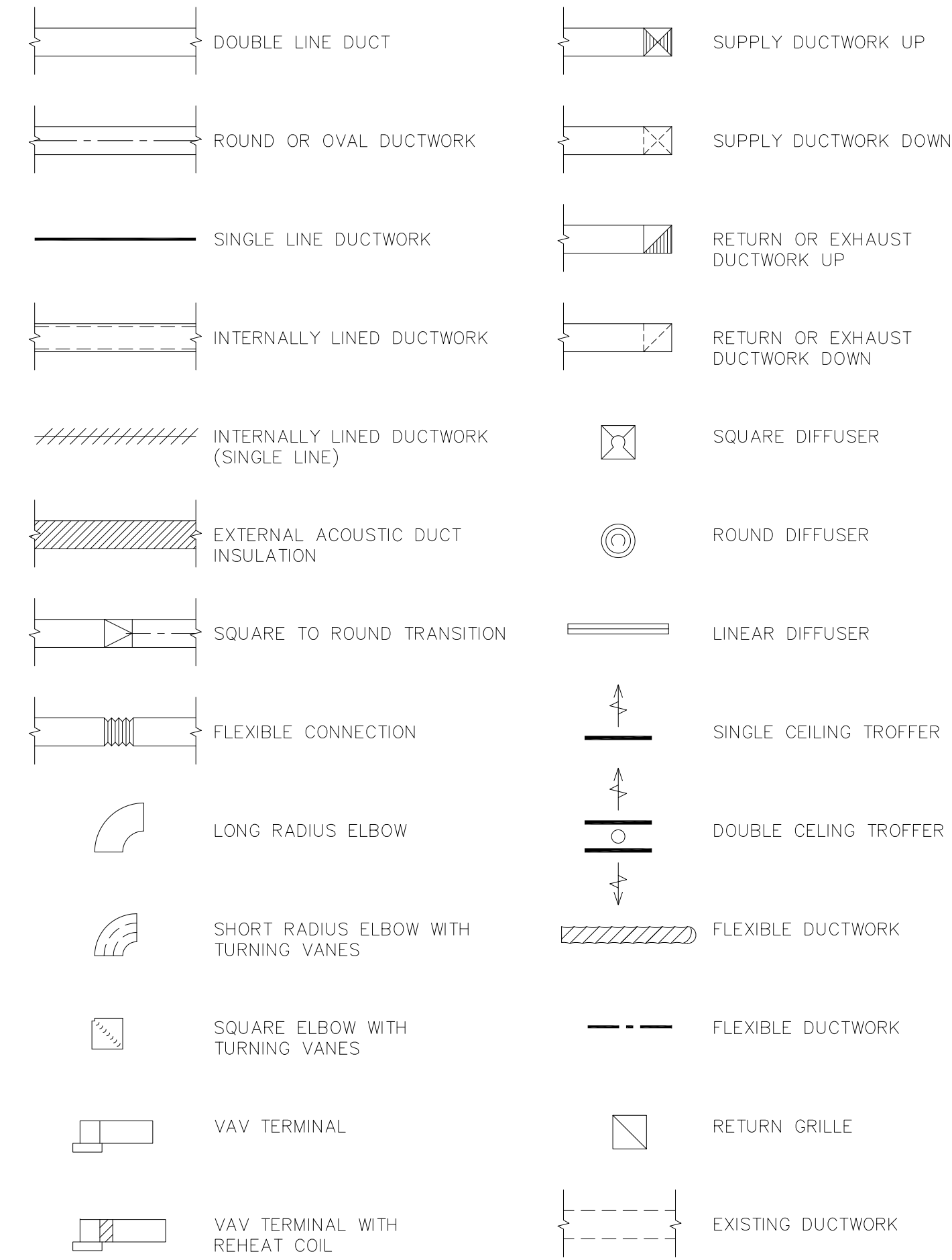
KEY TO DETAIL LOCATION		DETAIL	NUMBER
No.	No.		

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT	02/07/10
2	ISSUED FOR 75% SUBMISSION	02/07/17
3	ISSUED FOR 95% SUBMISSION	02/08/09
4	ISSUED FOR NEKISON	02/08/19
5	ISSUED FOR NEKISON	02/09/09
6	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
7	ISSUED FOR CONSTRUCTION	03/01/31

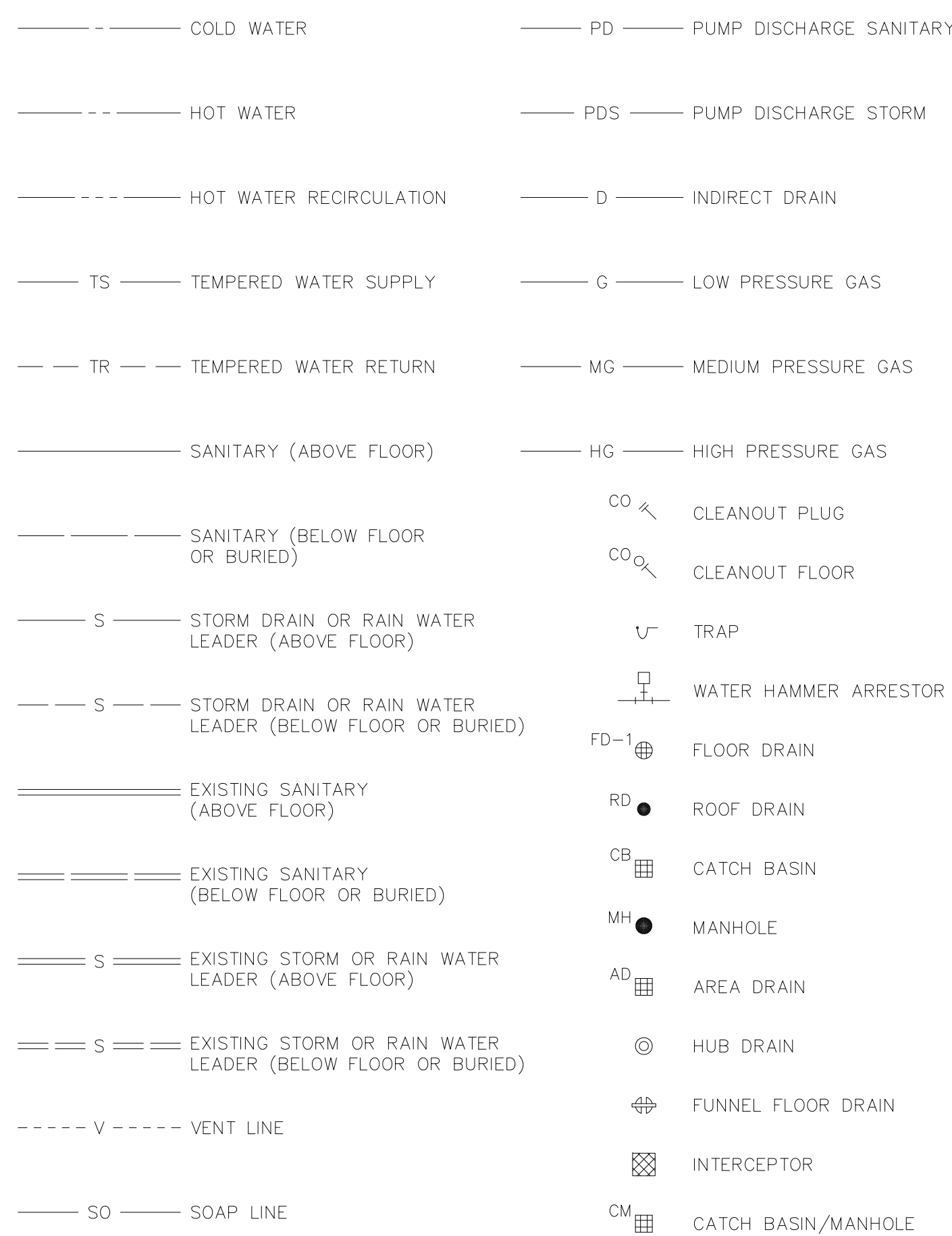
NOTE: SOME SYMBOLS ON THIS LEGEND MAY NOT APPEAR ON THE PLANS

SYMBOL LEGEND

VENTILATION



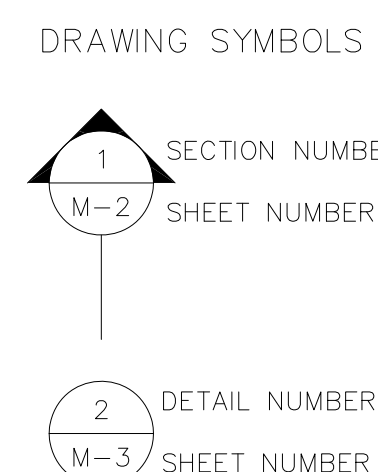
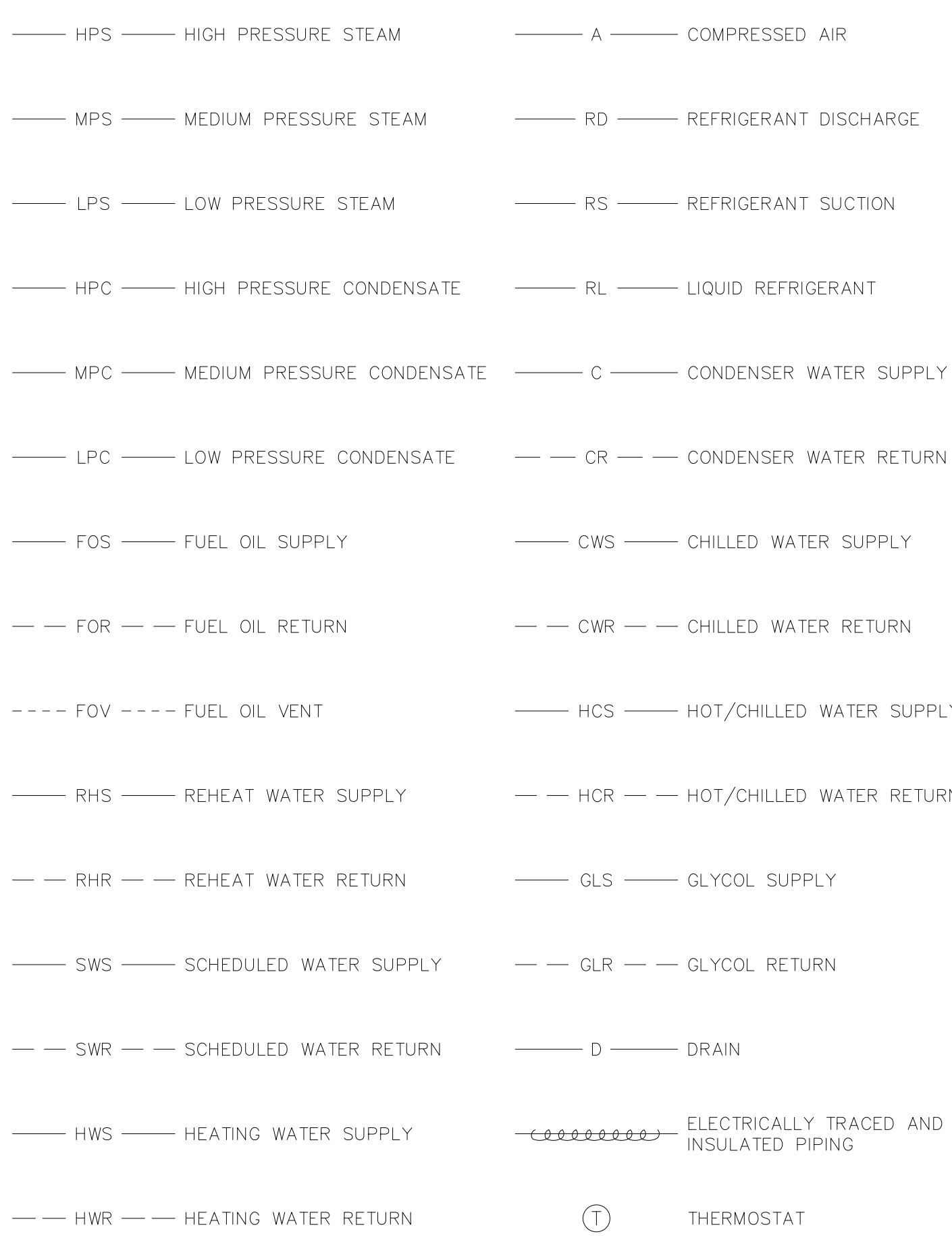
PLUMBING & DRAINAGE



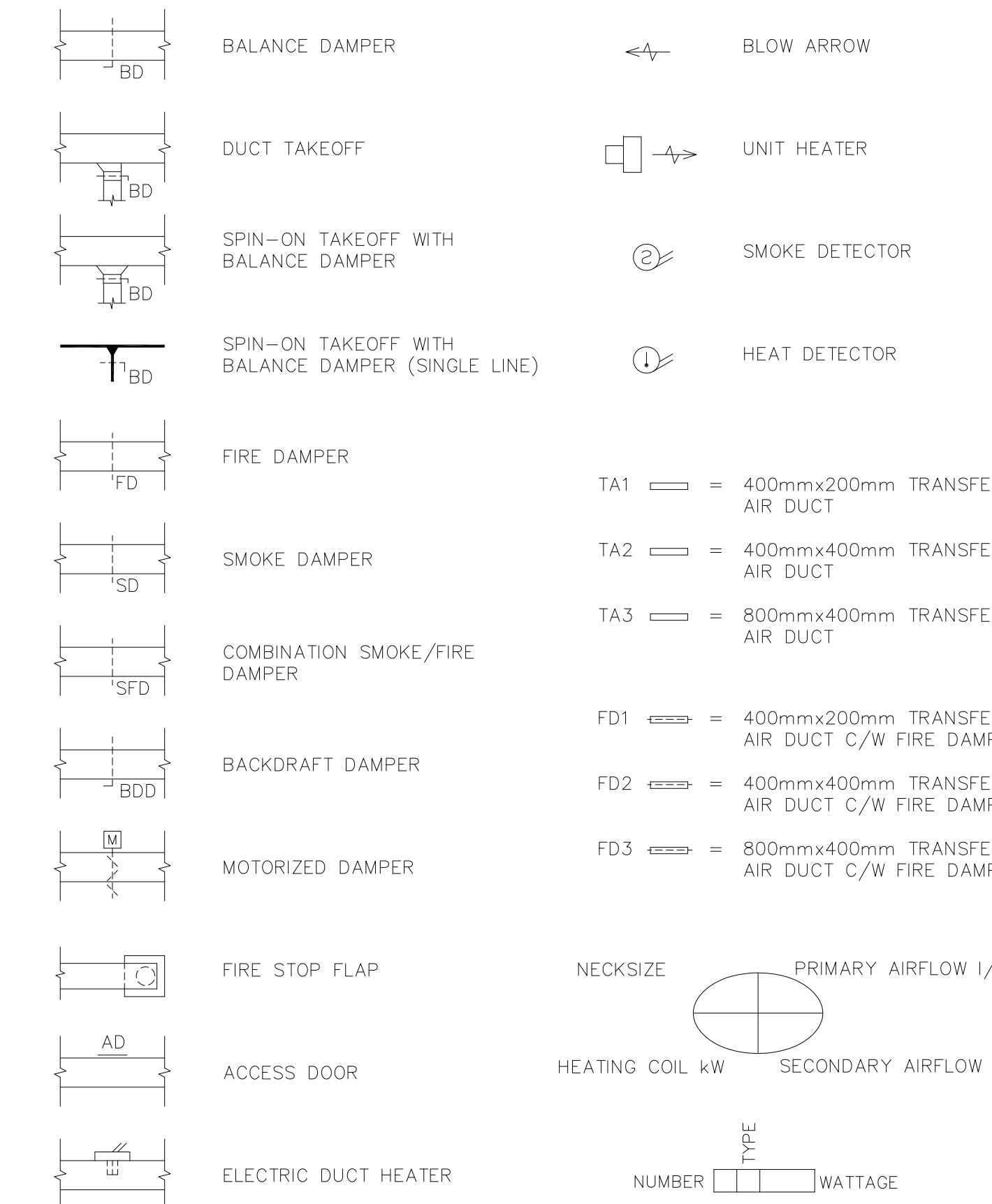
PLUMBING FIXTURES



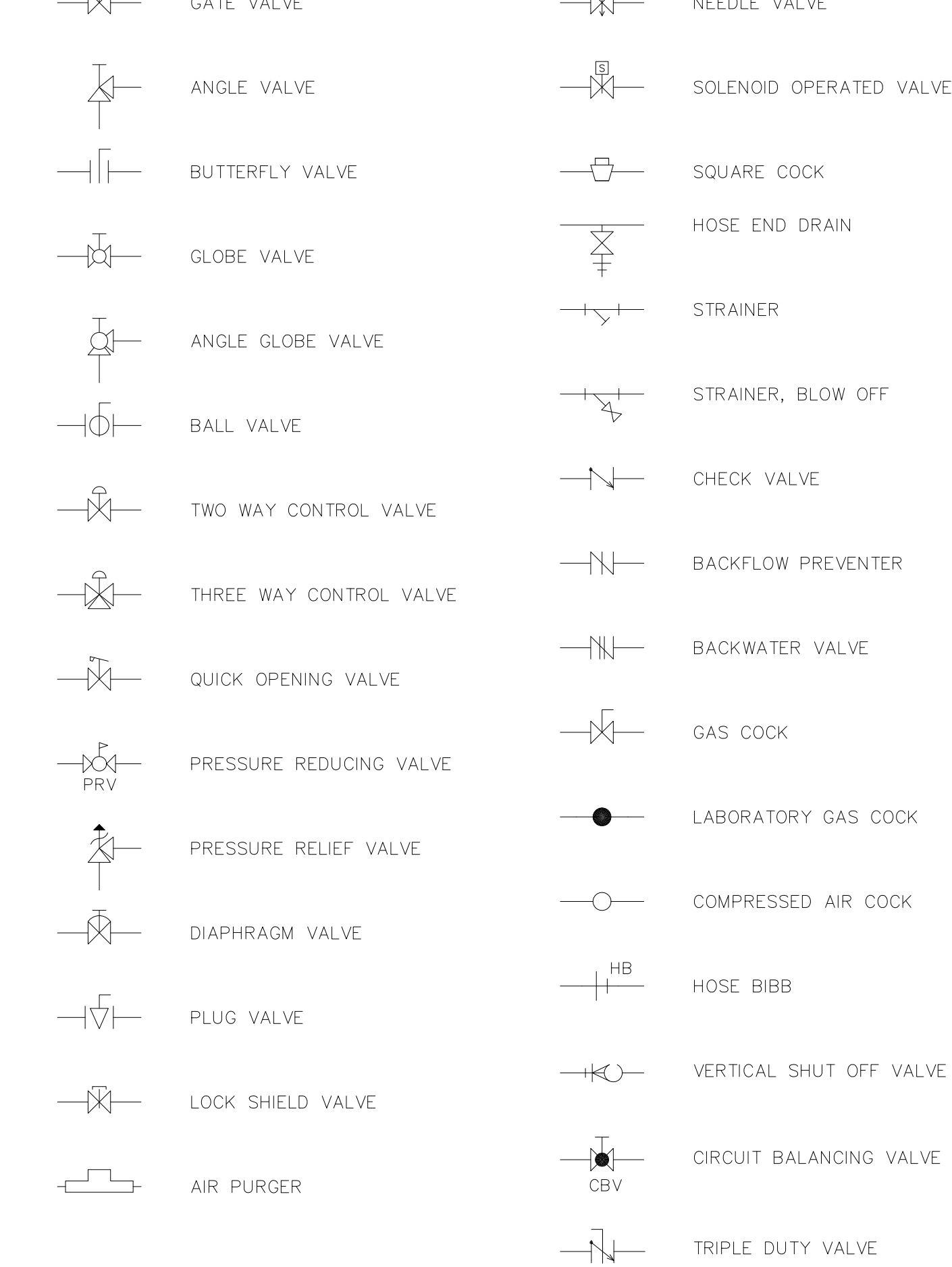
HEATING & COOLING



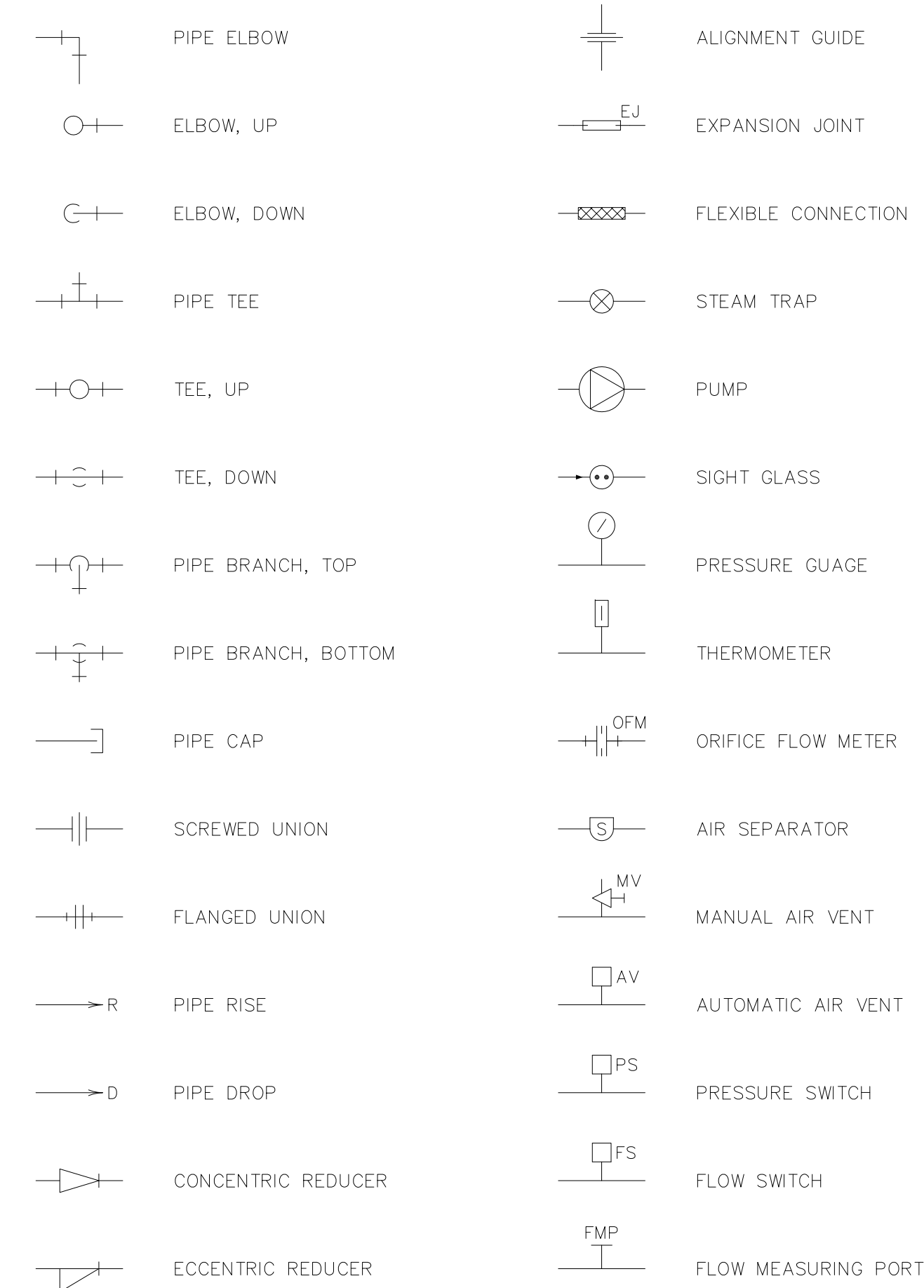
VENTILATION



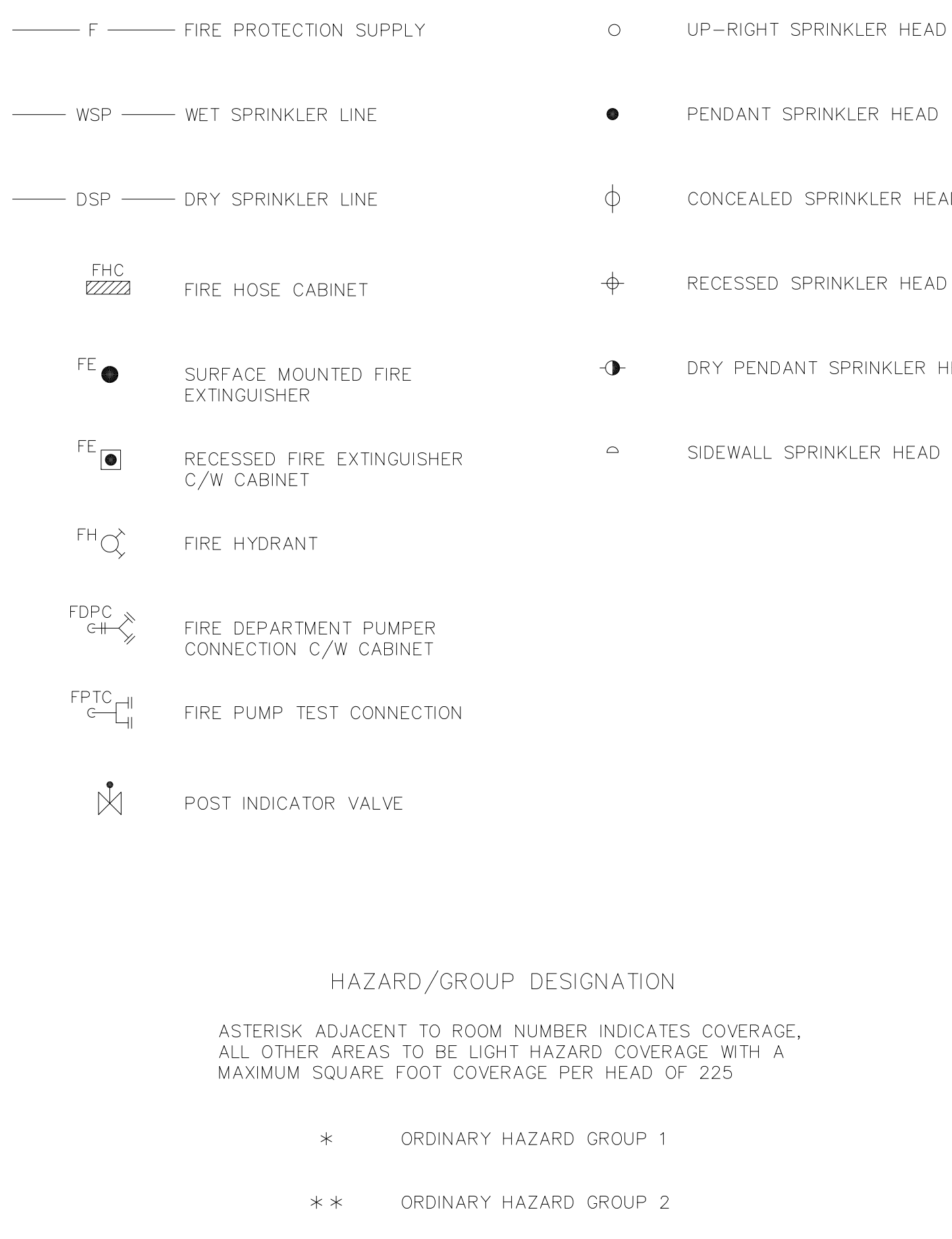
PIPE FITTINGS



PIPE FITTINGS



FIRE PROTECTION



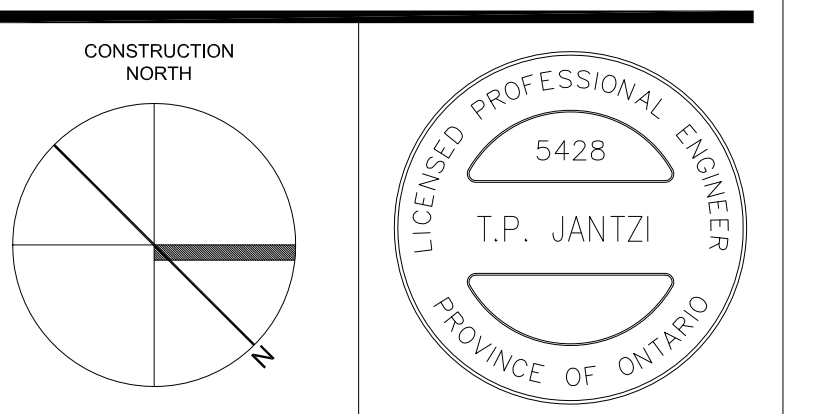
DRAWING LIST

M-01	LEGEND, DRAWING LIST AND GENERAL NOTES	N.T.S.
M-02	BASEMENT FLOOR PLAN - PLUMBING & DRAINAGE	1:200
M-03	BASEMENT PART PLAN - PLUMBING & DRAINAGE	1:100
M-04	BASEMENT PART PLAN - PLUMBING & DRAINAGE	1:100
M-05	BASEMENT PART PLAN - PLUMBING & DRAINAGE	1:100
M-06	BASEMENT PART PLAN - PLUMBING & DRAINAGE	1:100
M-07	GROUND FLOOR PLAN - PLUMBING & DRAINAGE	1:200
M-08	GROUND PART PLAN - PLUMBING & DRAINAGE	1:100
M-09	GROUND PART PLAN - PLUMBING & DRAINAGE	1:100
M-10	GROUND PART PLAN - PLUMBING & DRAINAGE	1:100
M-11	GROUND PART PLAN - PLUMBING & DRAINAGE	1:100
M-12	SECOND FLOOR PLAN - PLUMBING & DRAINAGE	1:200
M-13	SECOND PART PLAN - PLUMBING & DRAINAGE	1:100
M-14	SECOND PART PLAN - PLUMBING & DRAINAGE	1:100
M-15	SECOND PART PLAN - PLUMBING & DRAINAGE	1:100
M-16	SECOND PART PLAN - PLUMBING & DRAINAGE	1:100
M-17	THIRD FLOOR PLAN - PLUMBING & DRAINAGE	1:200
M-18	THIRD PART PLAN - PLUMBING & DRAINAGE	1:100
M-19	THIRD PART PLAN - PLUMBING & DRAINAGE	1:100
M-20	THIRD PART PLAN - PLUMBING & DRAINAGE	1:100
M-21	BASEMENT FLOOR PLAN - H.V.A.C.	1:200
M-22	BASEMENT PART PLAN - H.V.A.C.	1:100
M-23	BASEMENT PART PLAN - H.V.A.C.	1:100
M-24	BASEMENT PART PLAN - H.V.A.C.	1:100
M-25	BASEMENT PART PLAN - H.V.A.C.	1:100
M-26	GROUND FLOOR PLAN - H.V.A.C.	1:200
M-27	GROUND PART PLAN - H.V.A.C.	1:100
M-28	GROUND PART PLAN - H.V.A.C.	1:100
M-29	GROUND PART PLAN - H.V.A.C.	1:100
M-30	GROUND PART PLAN - H.V.A.C.	1:100
M-31	SECOND FLOOR PLAN - H.V.A.C.	1:200
M-32	SECOND PART PLAN - H.V.A.C.	1:100
M-33	SECOND PART PLAN - H.V.A.C.	1:100
M-34	SECOND PART PLAN - H.V.A.C.	1:100
M-35	SECOND PART PLAN - H.V.A.C.	1:100
M-36	THIRD FLOOR PLAN - H.V.A.C.	1:200
M-37	THIRD PART PLAN - H.V.A.C.	1:100
M-38	THIRD PART PLAN - H.V.A.C.	1:100
M-39	THIRD PART PLAN - H.V.A.C.	1:100
M-40	ROOF PLAN - MECHANICAL	1:200
M-41	MECHANICAL & BOILER ROOM PLANS	1:100
M-42	MECHANICAL ROOM PLAN	1:50
M-43	BOILER ROOM PLAN	1:50
M-44	MECHANICAL & BOILER ROOM AND FIRING RANGE SECTIONS	1:50
M-45	MECHANICAL ROOM SECTIONS	1:50
M-46	SCHEMATICS	N.T.S.
M-47	SCHEMATICS	N.T.S.
M-48	SCHEMATICS	N.T.S.
M/E-1+5	EQUIPMENT SCHEDULES	N.T.S.

GENERAL NOTES

ALL EQUIPMENT AND MATERIALS LOCATED IN ANY CONCEALED SPACE USED AS A RETURN AIR PLENUM SHALL CONFORM TO THE REQUIREMENTS OF ONTARIO BUILDING CODE SECTION 5.6.4.3

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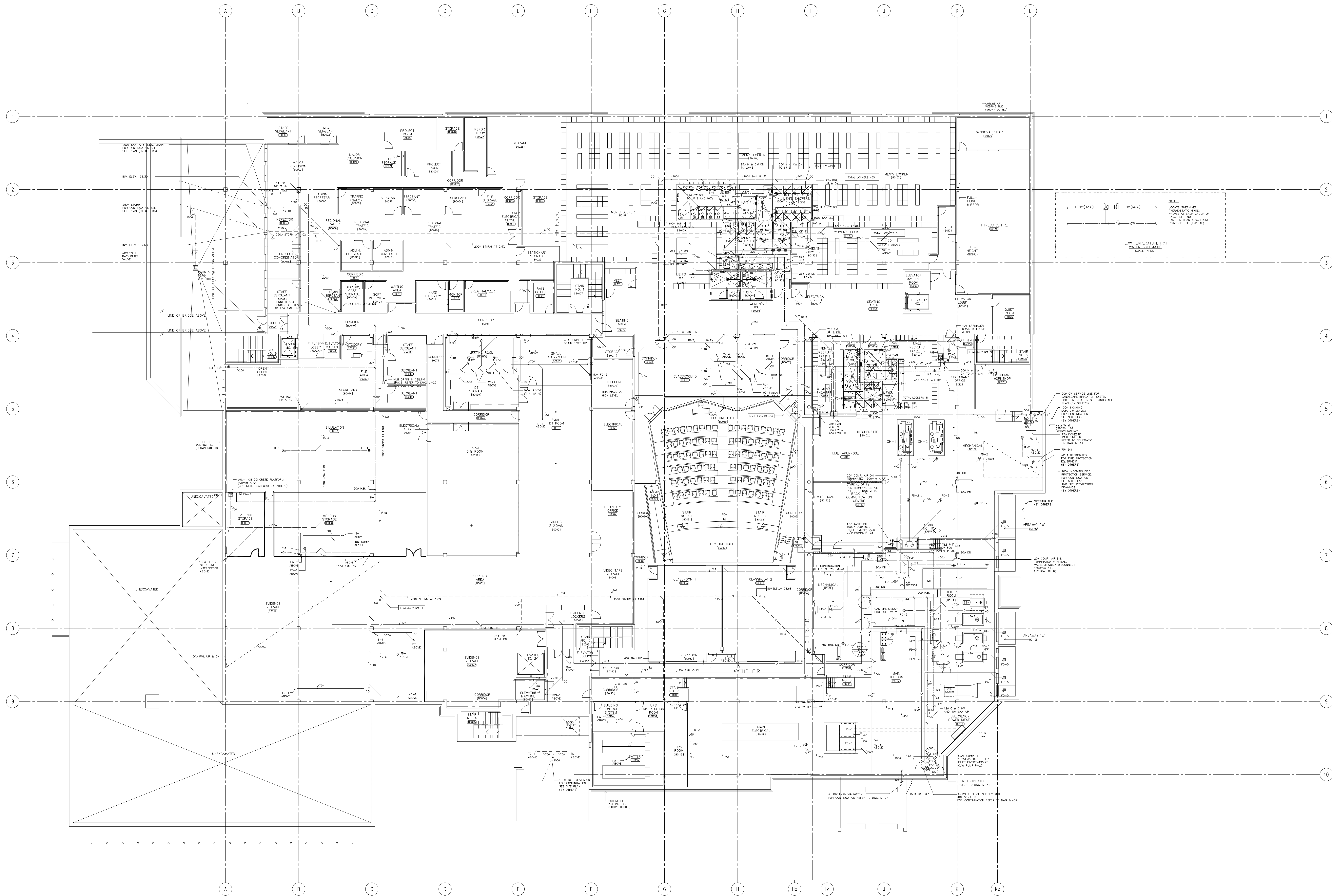


DRAWN BY: T.M.
CHECKED BY: T.J.
DATE: 14 MAY 2002
PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:
**LEGEND, DRAWING LIST
& GENERAL NOTES**

SCALE: N.T.S.
PROJECT NO. 01045
DWG. NO. M-01



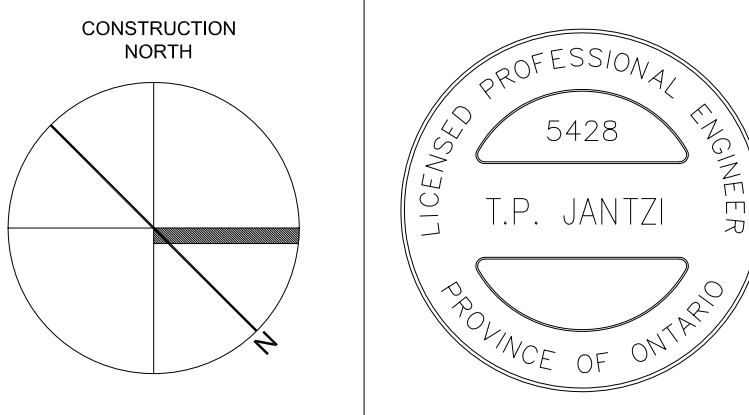
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KEY TO DETAIL LOCATION		
No.	DETAIL	NUMBER
No.		DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT SUBMISSION SITE PLAN No. SPO2111	02/05/09
2	ISSUED FOR 35% OWNER'S REVIEW	02/05/17
3	ISSUED FOR BUILDING PERMIT	02/07/10
4	ISSUED FOR 75% SUBMISSION	02/07/17
5	REVISED PER BLOC. OPT. REQUIREMENT	02/07/29
6	ISSUED FOR 95% SUBMISSION	02/08/09
7	ISSUED FOR NEKISON	02/08/19
8	ISSUED FOR NEKISON	02/09/09
9	ISSUED FOR JI #1	02/09/25
10	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
11	ISSUED FOR CONSTRUCTION	03/01/31

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MCW
MCW Consultants Ltd.
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1821 Wellington Avenue, Suite 210, Winnipeg, MB R3M 1C4
740 Noranda Street, Suite 200, Vancouver, B.C. V6G 2C1



DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 JUN 2002

PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

BASEMENT FLOOR PLAN
PLUMBING & DRAINAGE

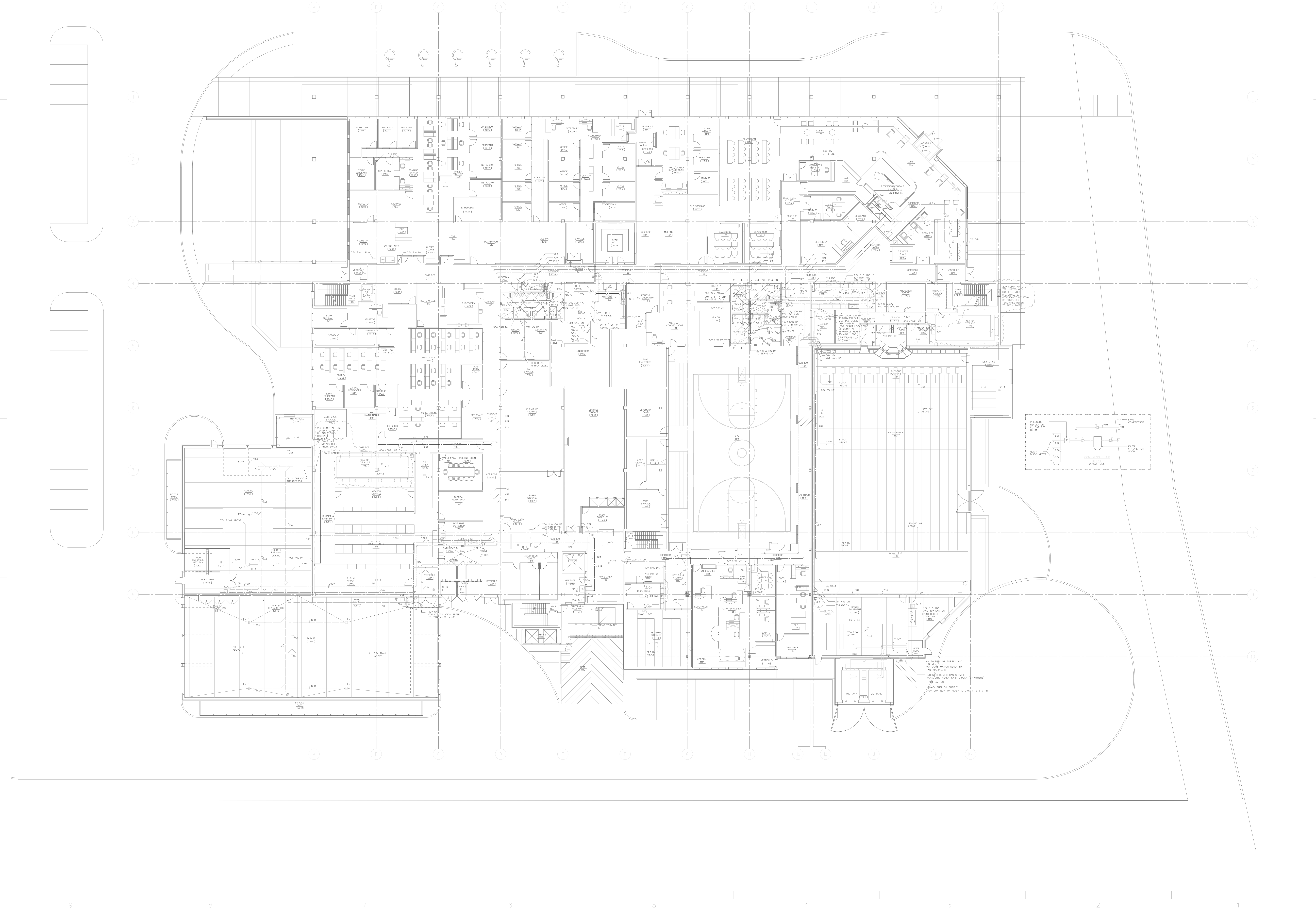
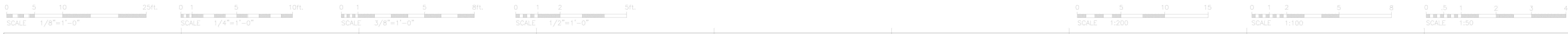
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PROJECT NO.

01045

DWG. NO.

M-02



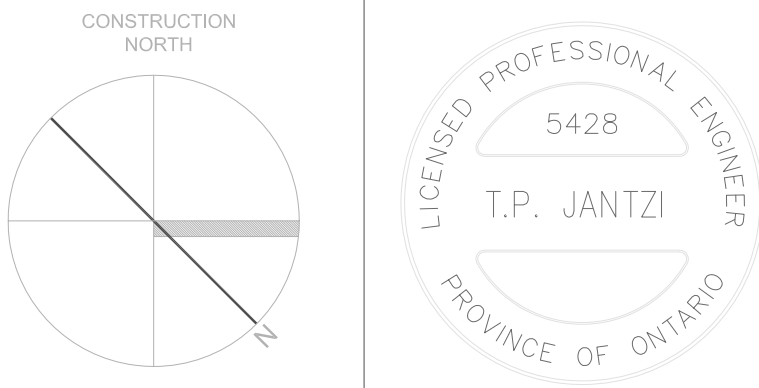
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KEY TO DETAIL LOCATION	
No.	DETAIL NUMBER
No.	DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT SUBMISSION SITE PLAN No. SP02111	02/05/09
2	ISSUED FOR 35% OWNER'S REVIEW	02/05/17
3	ISSUED FOR BUILDING PERMIT	02/07/10
4	ISSUED FOR 75% SUBMISSION	02/08/09
5	ISSUED FOR NEKISON	02/08/19
6	ISSUED FOR NEKISON	02/09/09
7	ISSUED FOR JI #1	02/09/25
8	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
9	ISSUED FOR CONSTRUCTION	03/01/31
10	ISSUED FOR JI #12	03/04/24



MCW
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156 Front Street West, Suite 600, Toronto, Ontario M5J 2L6
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1801 Wellington Avenue, Suite 210, Winnipeg, MB R3M 2C4
240 Norton Street, Suite 200, Vancouver, B.C. V6C 2C1



DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 JUN 2002

PROJECT TITLE:



DRAWING TITLE:

GROUND FLOOR PLAN
PLUMBING & DRAINAGE

SCALE: 1:200

PROJECT NO.

01045

DWG. NO.

M-07



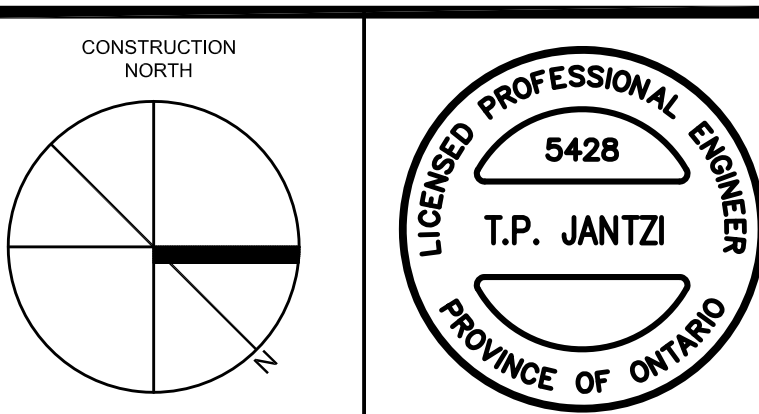
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KEY TO DETAIL LOCATION	
No.	DETAIL NUMBER
No.	DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT SUBMISSION SITE PLAN No. SPO2111	02/05/09
2	ISSUED FOR 35% OWNER'S REVIEW	02/05/17
3	ISSUED FOR BUILDING PERMIT	02/07/10
4	ISSUED FOR 75% SUBMISSION	02/08/09
5	ISSUED FOR NEKISON	02/08/19
6	ISSUED FOR NEKISON	02/09/09
7	ISSUED FOR JI #1	02/09/25
8	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
9	ISSUED FOR CONSTRUCTION	03/01/31

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156 Front Street West, Suite 600, Toronto, Ontario M5J 2L6
101 Wellington Avenue, Suite 210, Winnipeg, MB R2S 0C4
360 Huron Street, Suite 200, Vancouver, BC V6C 1K1



DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 JUN 2002

PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

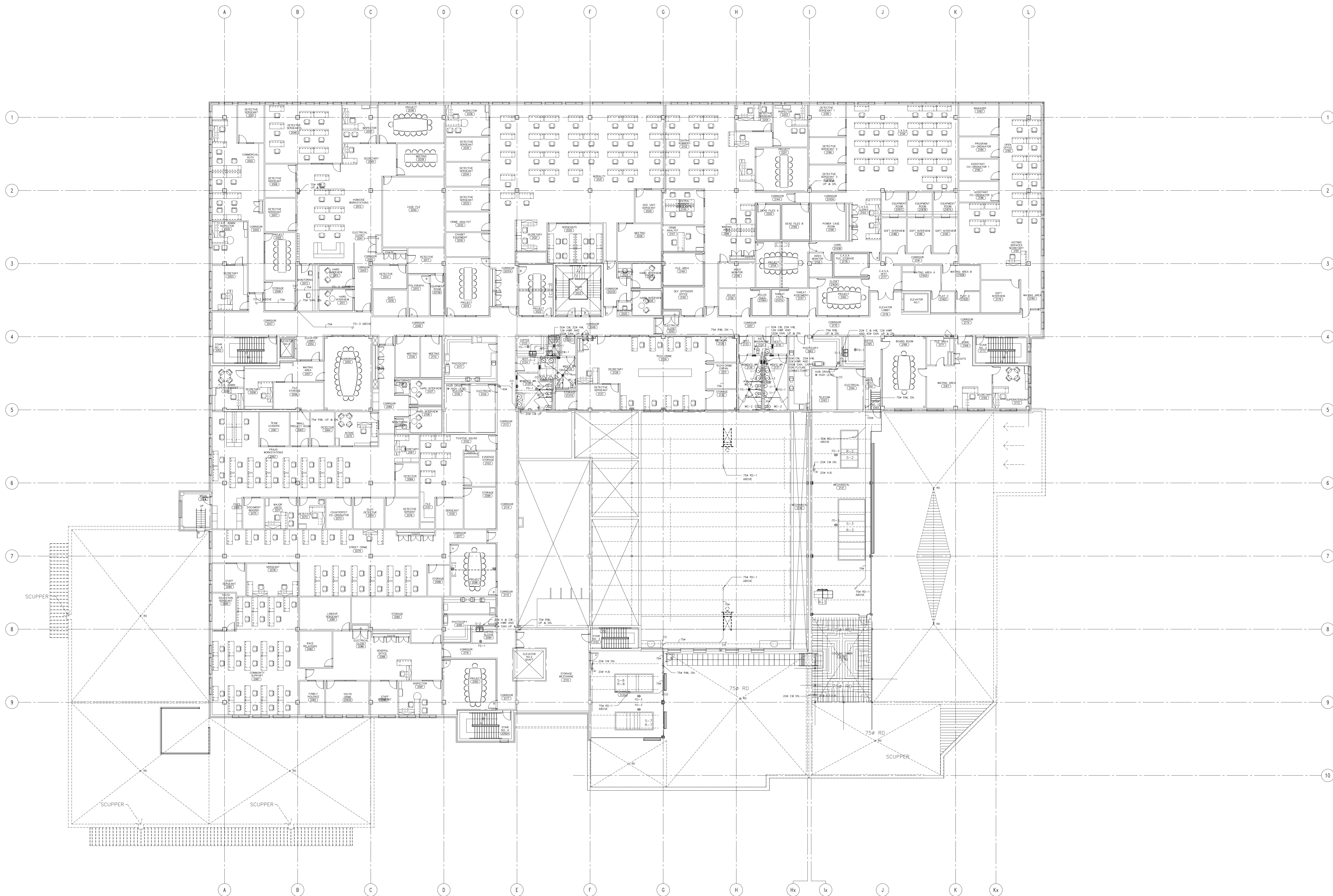
DRAWING TITLE:

GROUND PART PLAN
PLUMBING & DRAINAGE

SCALE: 1:100

PROJECT NO. DWG. NO.

01045 M-10



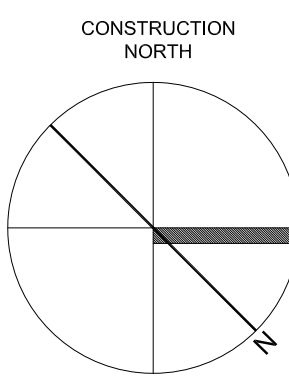
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KEY TO DETAIL LOCATION	
No.	DETAIL NUMBER
No.	DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT SUBMISSION SITE PLAN No. SPO2111	02/05/09
2	ISSUED FOR 35% OWNER'S REVIEW	02/05/17
3	ISSUED FOR 75% SUBMISSION	02/07/17
4	ISSUED FOR 95% SUBMISSION	02/08/09
5	ISSUED FOR NEKISON	02/08/19
6	ISSUED FOR NEKISON	02/09/09
7	ISSUED FOR 99% FINAL COORDINATION	02/11/05
8	ISSUED FOR CONSTRUCTION	03/01/31

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MCW MCW Consultants Ltd.
156 Front Street West, Suite 600, Toronto, Ontario M5J 2L6
116 Lister Street, Suite 101, Ottawa, Ontario K1P 0Z7
1851 Wellington Avenue, Suite 210, Winnipeg, MB R3Y 0C4
740 Nicola Street, Suite 200, Vancouver, B.C. V6C 2C1



DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 JUN 2002

PROJECT TITLE:

**PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY**
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

**SECOND FLOOR PLAN
PLUMBING & DRAINAGE**

SCALE: 1:200

PROJECT NO.

01045

DWG. NO.

M-12



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KEY TO DETAIL LOCATION	
No.	DETAIL NUMBER
No.	DRAWING NUMBER

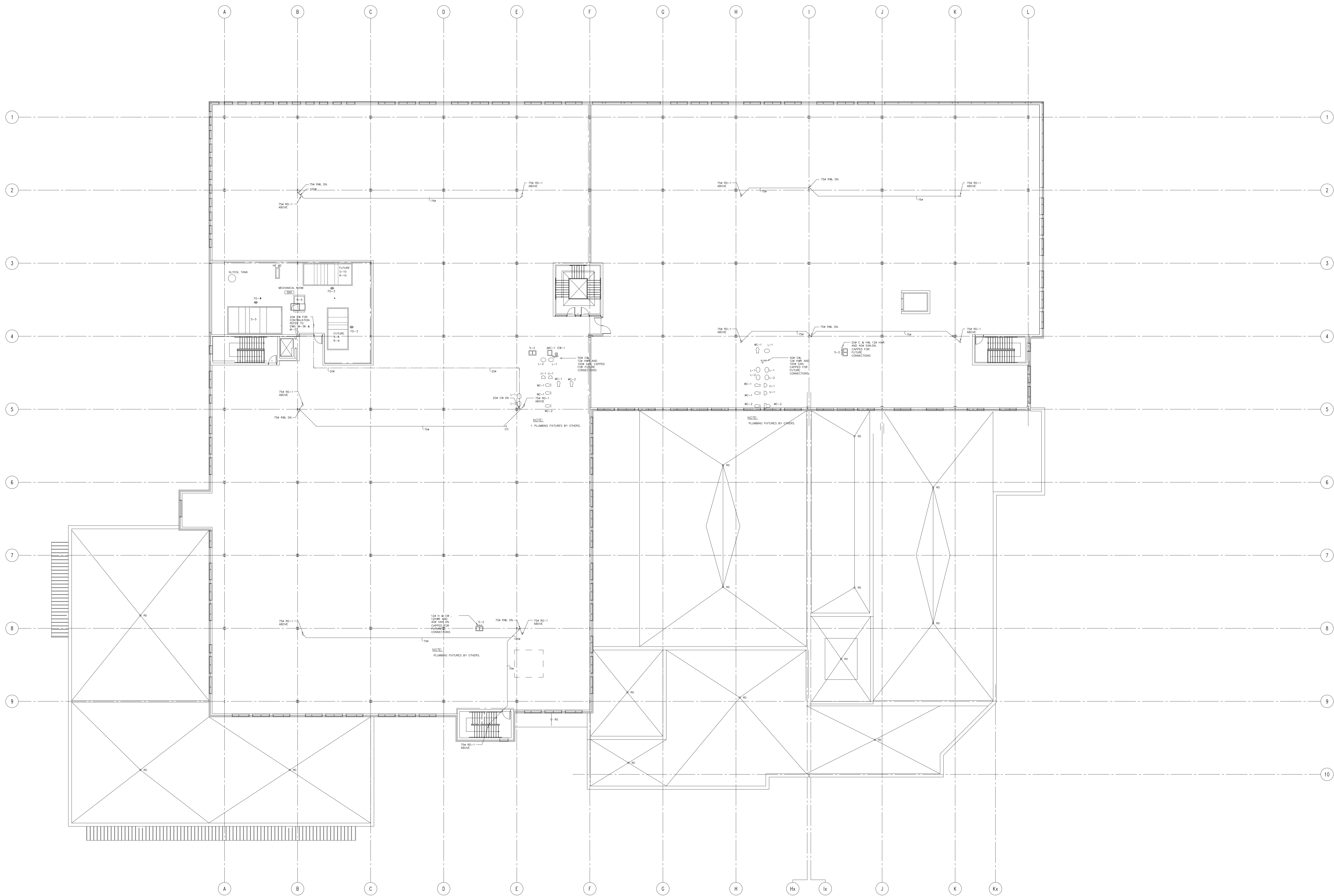
NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT SUBMISSION SITE PLAN No. SPO2111	02/05/09
2	ISSUED FOR 35% OWNER'S REVIEW	02/05/17
3	ISSUED FOR 75% SUBMISSION	02/07/17
4	ISSUED FOR 85% SUBMISSION	02/08/09
5	ISSUED FOR NEKISON	02/08/19
6	ISSUED FOR NEKISON	02/09/09
7	ISSUED FOR 98% FINAL COORDINATION	02/11/05
8	ISSUED FOR CONSTRUCTION	03/01/31

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156 Front Street West, Suite 600, Toronto, Ontario M5J 2L6
101 Wellington Avenue, Suite 210, Winnipeg, MB R2S 0C4
180 Huron Street, Suite 200, Vancouver, BC V6Z 2G1

DRAWN BY: T.M.
CHECKED BY: T.J.
DATE: 01 JUN 2002
PROJECT TITLE:
PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:
SECOND PART PLAN
PLUMBING & DRAINAGE
SCALE: 1:100
PROJECT NO. 01045
DWG. NO. M-15



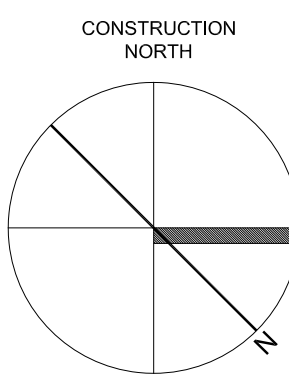
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KEY TO DETAIL LOCATION	
No.	DETAIL NUMBER
No.	DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT SUBMISSION SITE PLAN No. SPO2111	02/05/09
2	ISSUED FOR BUILDING PERMIT	02/07/10
3	ISSUED FOR 75% SUBMISSION	02/07/17
4	ISSUED FOR 95% SUBMISSION	02/08/09
5	ISSUED FOR NEKISON	02/08/19
6	ISSUED FOR NEKISON	02/09/09
7	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
8	ISSUED FOR CONSTRUCTION	03/01/31

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MCW *MCW Consultants Ltd.*
156 Front Street West, Suite 600, Toronto, Ontario M5J 2B6
116 Lonsdale Street, Suite 101, Ottawa, Ontario K1P 0G2
1801 Wellington Avenue, Suite 210, Winnipeg, MB R3M 0C4
740 Nicola Street, Suite 200, Vancouver, B.C. V6C 2C1



DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 JUN 2002

PROJECT TITLE:

**PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY**
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

**THIRD FLOOR PLAN
PLUMBING & DRAINAGE**

SCALE: 1:200

PROJECT NO.

01045

DWG. NO.

M-17



IF THIS SHEET IS NOT 27 1/2" x 42"
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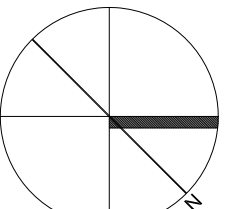
KEY TO DETAIL LOCATION		
No.	DETAIL	NUMBER
No.		DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR 35% OWNER'S REVIEW	02/05/17
2	ISSUED FOR BUILDING PERMIT	02/07/10
3	ISSUED FOR 75% SUBMISSION	02/07/17
4	ISSUED FOR 95% SUBMISSION	02/08/09
5	ISSUED FOR NEKISON	02/08/19
6	ISSUED FOR NEKISON	02/09/09
7	ISSUED FOR JI #1	02/09/25
8	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
9	ISSUED FOR JI #3	02/11/18
10	ISSUED FOR CONSTRUCTION	03/01/31
11	ISSUED FOR JI #006	03/02/24

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MCW *MCW Consultants Ltd.*
156 Front Street West, Suite 600, Toronto, Ontario M5A 2E6
115 Upper Street, Suite 101, Downsview, Ontario M3H 2S9
1570 Midland Avenue, Suite 201, Willowdale, Ontario M2H 3G4
740 Nisichewi Street, Suite 200, Vancouver, B.C. V6C 2C1

CONSTRUCTION NORTH



DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 JUN 2002

PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

BASEMENT FLOOR PLAN
H.V.A.C.

SCALE: 1:200

PROJECT NO.

01045

DWG. NO.

M-21



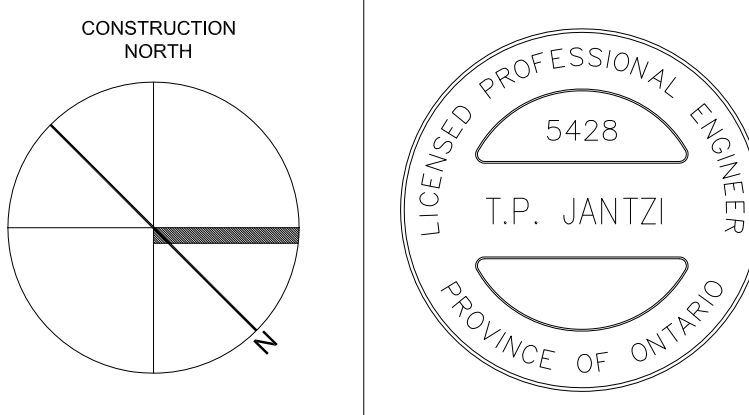
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KEY TO DETAIL LOCATION		
No.	DETAIL	NUMBER
No.		DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT	02/07/10
2	ISSUED FOR 75% SUBMISSION	02/07/17
3	ISSUED FOR 95% SUBMISSION	02/08/09
4	ISSUED FOR NEKISON	02/08/19
5	ISSUED FOR NEKISON	02/09/09
6	ISSUED FOR JI #1	02/09/25
7	ISSUED FOR 99% / FINAL COORDINATION	02/11/05
8	ISSUED FOR JI #3	02/11/18
9	ISSUED FOR CONSTRUCTION	03/01/31
10	ISSUED FOR JI #006	03/02/24
11	ISSUED FOR JI #009	03/04/07
12	ISSUED FOR JI #011	03/04/22
13	ISSUED FOR JI #013	03/05/01

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MCW **MCW Consultants Ltd.**
156 Front Street West, Suite 600, Toronto, Ontario M5J 2L6
1501 Midland Avenue, Suite 210, Richmond Hill, Ont. L4B 1P2
1501 Midland Avenue, Suite 210, Richmond Hill, Ont. L4B 1P2



DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 JUN 2002

PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

GROUND FLOOR PLAN
H.V.A.C.

SCALE: 1:200

PROJECT NO.

01045

DWG. NO.

M-26



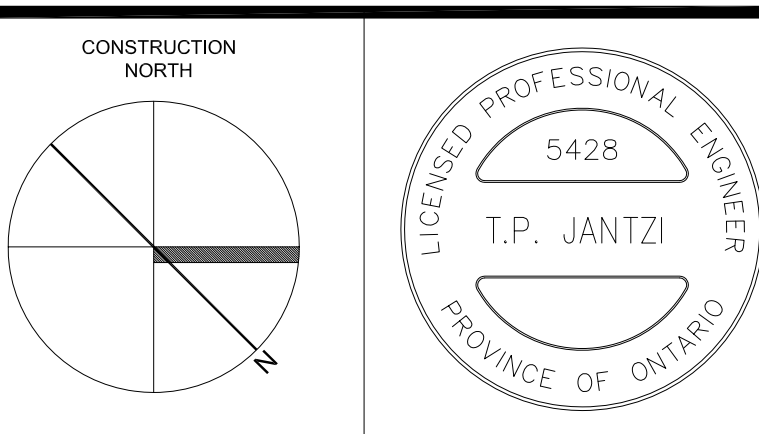
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KEY TO DETAIL LOCATION	
No.	DETAIL NUMBER
No.	DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT	02/07/10
2	ISSUED FOR 75% SUBMISSION	02/07/17
3	ISSUED FOR 95% SUBMISSION	02/08/09
4	ISSUED FOR NEKISON	02/08/19
5	ISSUED FOR NEKISON	02/09/09
6	ISSUED FOR JI #1	02/09/25
7	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
8	ISSUED FOR JI #3	02/11/18
9	ISSUED FOR CONSTRUCTION	03/01/31
10	ISSUED FOR JI #006	03/02/24
11	ISSUED FOR JI #009	03/04/07
12	ISSUED FOR JI #011	03/04/22
13	ISSUED FOR JI #013	03/05/01

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MCW *MCW Consultants Ltd.*
156 Front Street West, Suite 600, Toronto, Ontario M5J 2L6
111 King Street West, Suite 1100, Toronto, Ontario M5X 1C4
100 Wellington Avenue, Suite 200, Winnipeg, MB R2S 0C4
1000 West Beaver Creek, Suite 200, Richmond Hill, Ontario L4B 1N2



DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 JUN 2002

PROJECT TITLE:

**PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY**
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

**GROUND PART PLAN
H.V.A.C.**

SCALE: 1:100

PROJECT NO.

DWG. NO.

01045

M-28



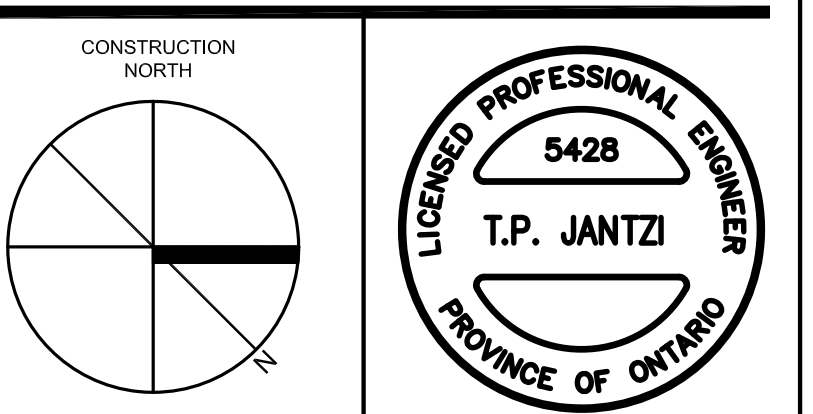
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NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT	02/07/10
2	ISSUED FOR 75% SUBMISSION	02/07/17
3	ISSUED FOR 95% SUBMISSION	02/08/09
4	ISSUED FOR NEKISON	02/08/19
5	ISSUED FOR NEKISON	02/08/09
6	ISSUED FOR JI #1	02/08/25
7	ISSUED FOR 99% FINAL COORDINATION	02/11/05
8	ISSUED FOR JI #3	02/11/18
9	ISSUED FOR CONSTRUCTION	03/01/31
10	ISSUED FOR JI #008	03/02/24

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT	02/07/10
2	ISSUED FOR 75% SUBMISSION	02/07/17
3	ISSUED FOR 95% SUBMISSION	02/08/09
4	ISSUED FOR NEKISON	02/08/19
5	ISSUED FOR NEKISON	02/08/09
6	ISSUED FOR JI #1	02/08/25
7	ISSUED FOR 99% FINAL COORDINATION	02/11/05
8	ISSUED FOR JI #3	02/11/18
9	ISSUED FOR CONSTRUCTION	03/01/31
10	ISSUED FOR JI #008	03/02/24

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156 Front Street West, Suite 600, Toronto, Ontario M5J 2L6
101 Wellington Avenue, Suite 210, Mississauga, ON L4Y 1G7
900 North Street, Suite 200, Brampton, ON L6Y 4R1



DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 JUN 2002

PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

GROUND PART PLAN
H.V.A.C.

SCALE: 1:100
PROJECT NO. 01045
DWG. NO. M-30



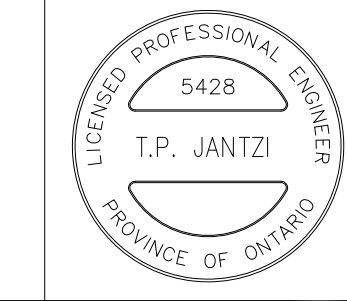
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KEY TO DETAIL LOCATION		
No.	DETAIL	NUMBER
No.		DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT	02/07/10
2	ISSUED FOR 75% SUBMISSION	02/07/17
3	ISSUED FOR 95% SUBMISSION	02/08/09
4	ISSUED FOR NEKISON	02/08/19
5	ISSUED FOR NEKISON	02/09/09
6	ISSUED FOR JI #1	02/09/25
7	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
8	ISSUED FOR JI #3	02/11/18
9	ISSUED FOR CONSTRUCTION	03/01/31
10	ISSUED FOR JI #8	03/04/02
11	ISSUED FOR JI #14	03/05/02

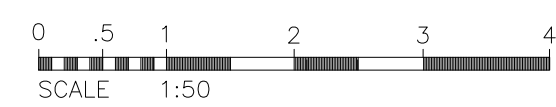
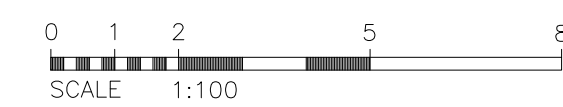
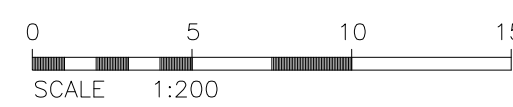
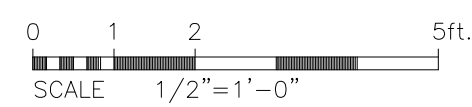
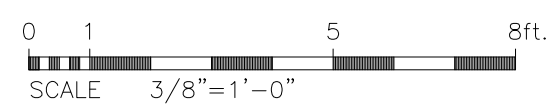
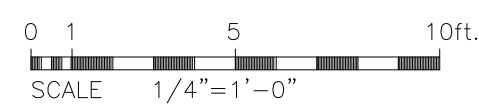
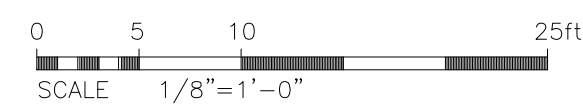
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150 Bloor Street West, Suite 210, Toronto, Ontario M5G 1B5
740 Nicoll Street, Suite 200, Vancouver, B.C. V6C 2C1



PROFESSIONAL ENGINEER
5428
T.P. JANTZI
PROVINCE OF ONTARIO

DRAWN BY: T.M.
CHECKED BY: T.J.
DATE: 01 JUN 2002
PROJECT TITLE:
PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO
DRAWING TITLE:
SECOND FLOOR PLAN
H.V.A.C.
SCALE: 1:200
PROJECT NO. 01045
DWG. NO. M-31



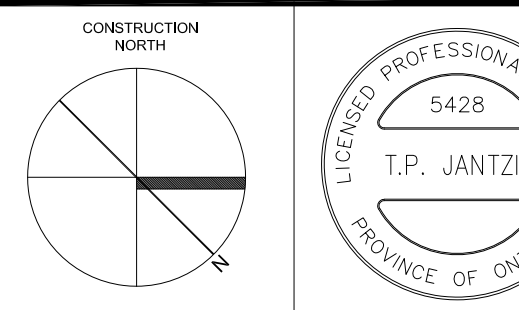
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KEY TO DETAIL LOCATION

No.	DETAIL	NUMBER
No.	DRAWING	NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT SUBMISSION SITE PLAN No. SP02111	02/05/09
2	ISSUED FOR 35% OWNER'S REVIEW	02/05/17
3	ISSUED FOR 75% SUBMISSION	02/07/17
4	ISSUED FOR 95% SUBMISSION	02/08/09
5	ISSUED FOR NEKISON	02/08/19
6	REVISED PER PLAN EXAMINER COMMENTS	02/08/30
7	ISSUED FOR NEKISON	02/09/09
8	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
9	ISSUED FOR JI #3	02/11/18
10	ISSUED FOR CONSTRUCTION	03/01/31

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DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 JUN 2002

PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY

180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

ROOF PLAN
MECHANICAL

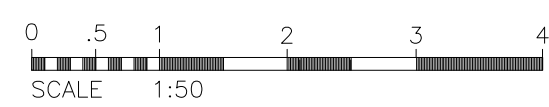
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PROJECT NO. _____

01045

DWG. NO.

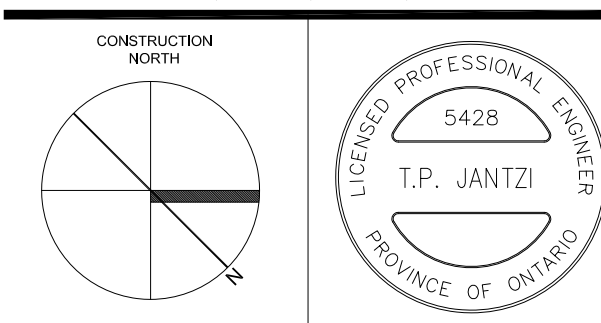
M-40



DETAIL	NUMBER
DRAWING	NUMBER

[illegible]

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DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 NOV 2001

PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY

180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

MECHANICAL & BOILER
ROOM PLANS

SCALE: 1:100

PROJECT NO. _____

DWG. NO.	
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01045

M-41



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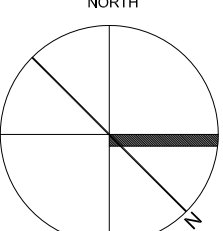
KEY TO DETAIL LOCATION		
No.	DETAIL	NUMBER
No.		DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT	02/07/10
2	ISSUED FOR BUILDING PERMIT	02/07/10
3	ISSUED FOR 75% SUBMISSION	02/07/17
4	ISSUED FOR 95% SUBMISSION	02/08/09
5	ISSUED FOR NEKISON	02/08/19
6	ISSUED FOR NEKISON	02/09/09
7	ISSUED FOR JI #1	02/09/25
8	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
9	ISSUED FOR CONSTRUCTION	03/01/31

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740 Nicola Street, Suite 200, Vancouver, B.C. V6C 2C1



CONSTRUCTION NORTH



LICENSED PROFESSIONAL ENGINEER
5428
T.P. JANTZI
PROVINCE OF ONTARIO

DRAWN BY: T.M.

CHECKED BY: T.J.

DATE: 01 NOV 2001

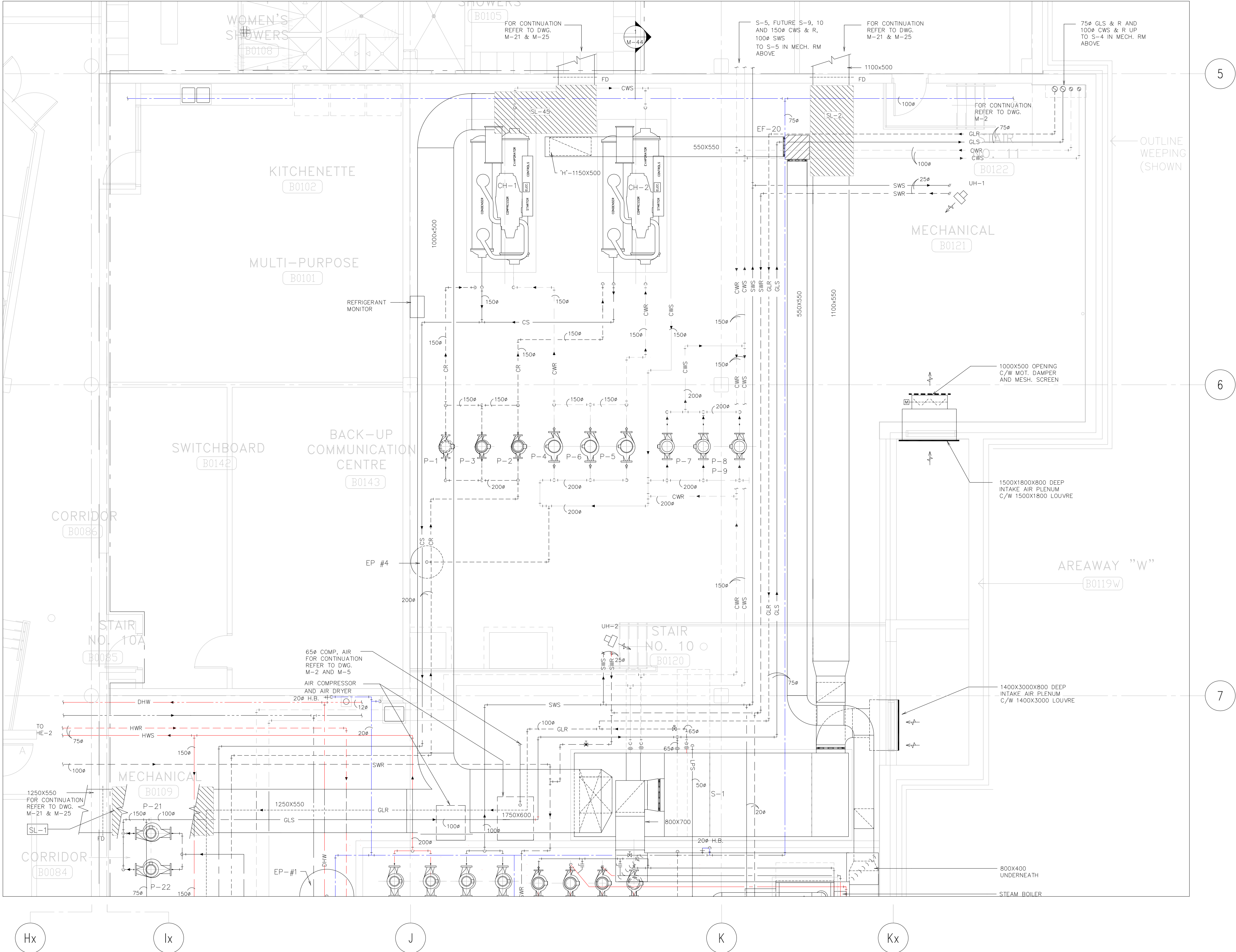
PROJECT TITLE:
PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

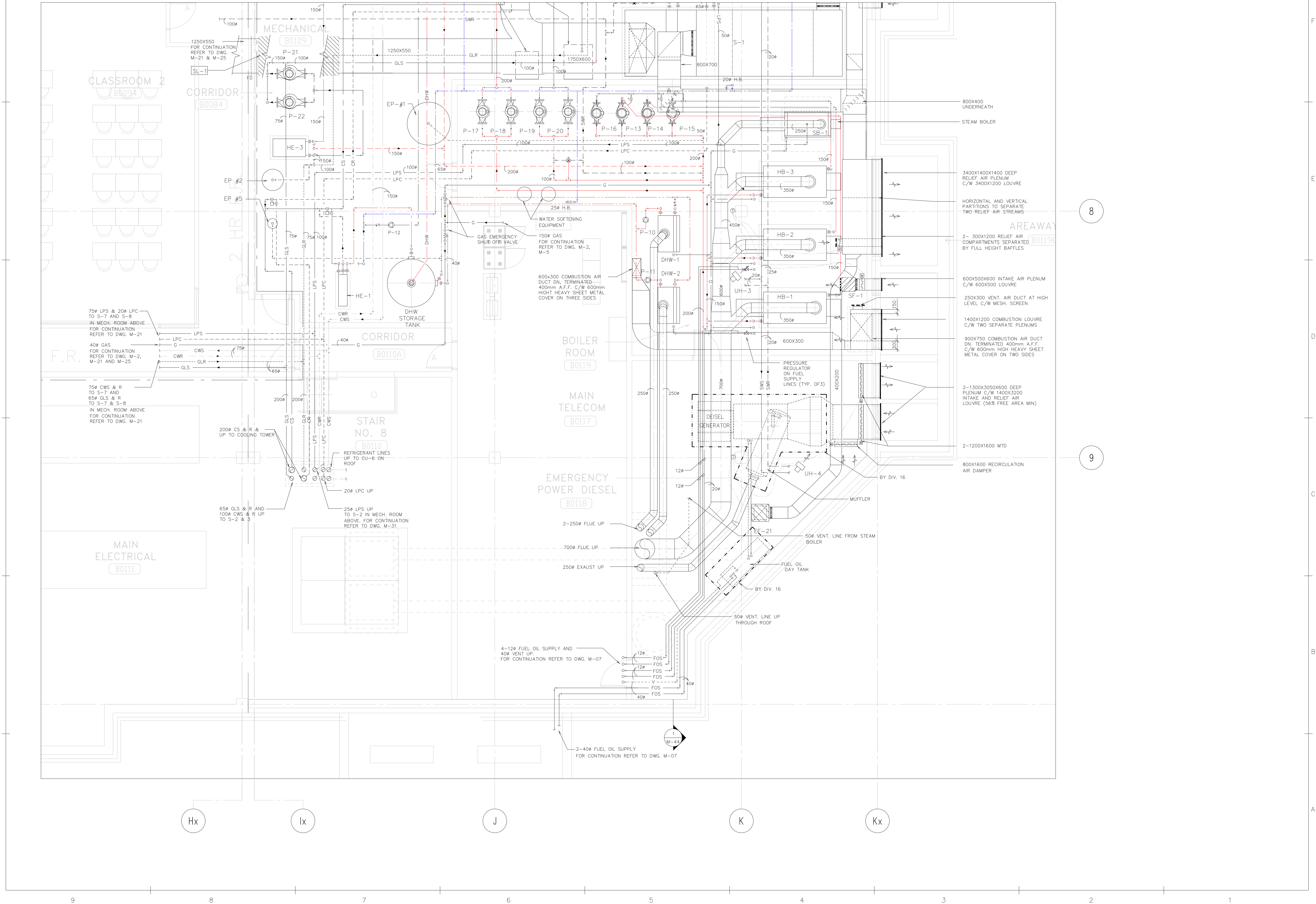
DRAWING TITLE:
MECHANICAL ROOM
PLAN

SCALE: 1:50

PROJECT NO. 01045

DWG. NO. M-42





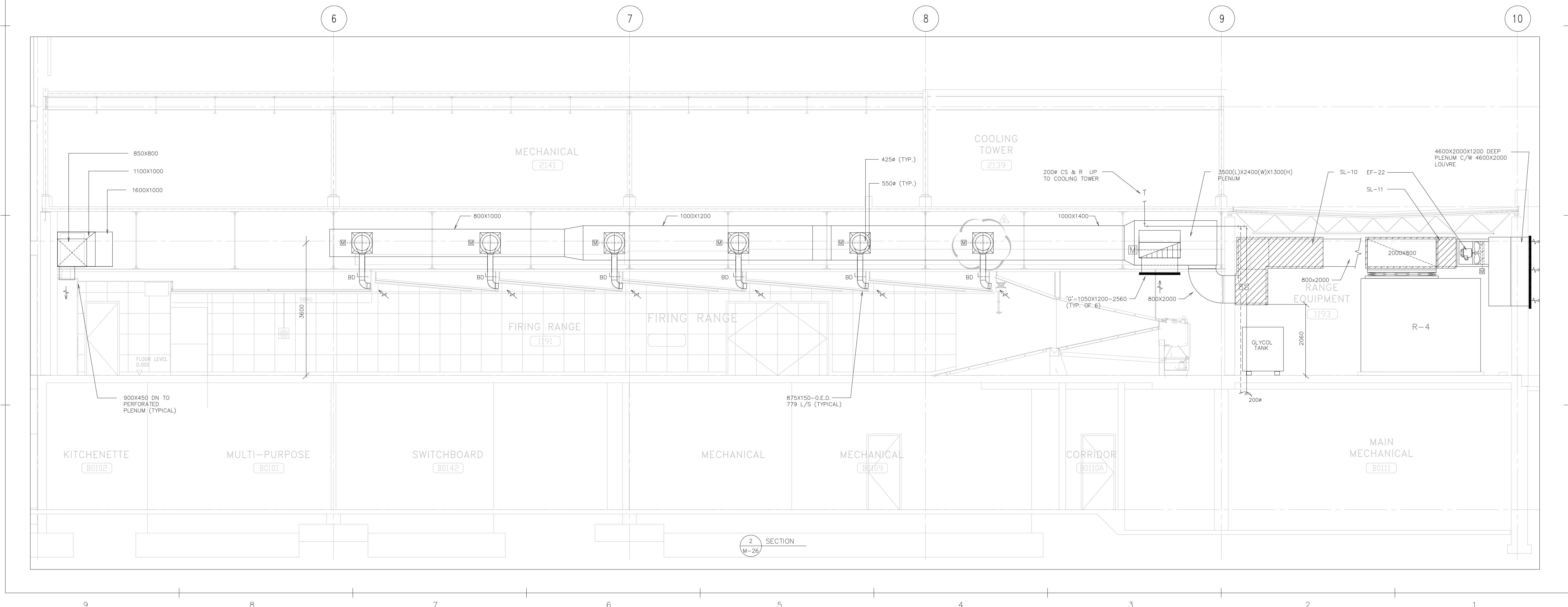
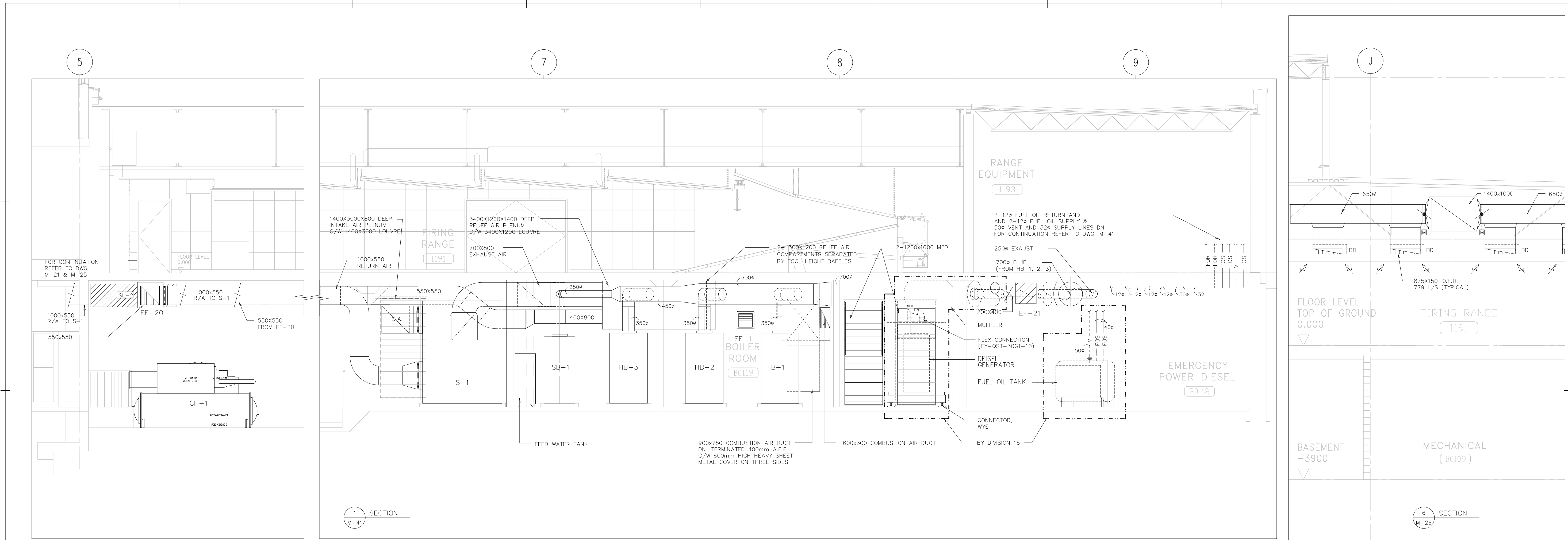
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PROJECT NO.	DWG. NO.
01045	M-43



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KEY TO DETAIL LOCATION		
No.	DETAIL	NUMBER
1		

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT	02/07/10
2	ISSUED FOR 75% SUBMISSION	02/07/17
3	ISSUED FOR 95% SUBMISSION	02/08/09
4	ISSUED FOR NEKISON	02/08/19
5	ISSUED FOR NEKISON	02/09/09
6	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
7	ISSUED FOR CONSTRUCTION	03/01/31
8	ISSUED FOR JI #009	03/04/07
9	ISSUED FOR JI #011	03/04/22



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CONSTRUCTION NORTH

PROFESSIONAL ENGINEER
5428
T.P. JANTZI
PROVINCE OF ONTARIO

DRAWN BY: T.M.
CHECKED BY: T.J.
DATE: 01 NOV 2001
PROJECT TITLE:
PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:
MECHANICAL & BOILER
ROOM AND FIRING
RANGE SECTIONS

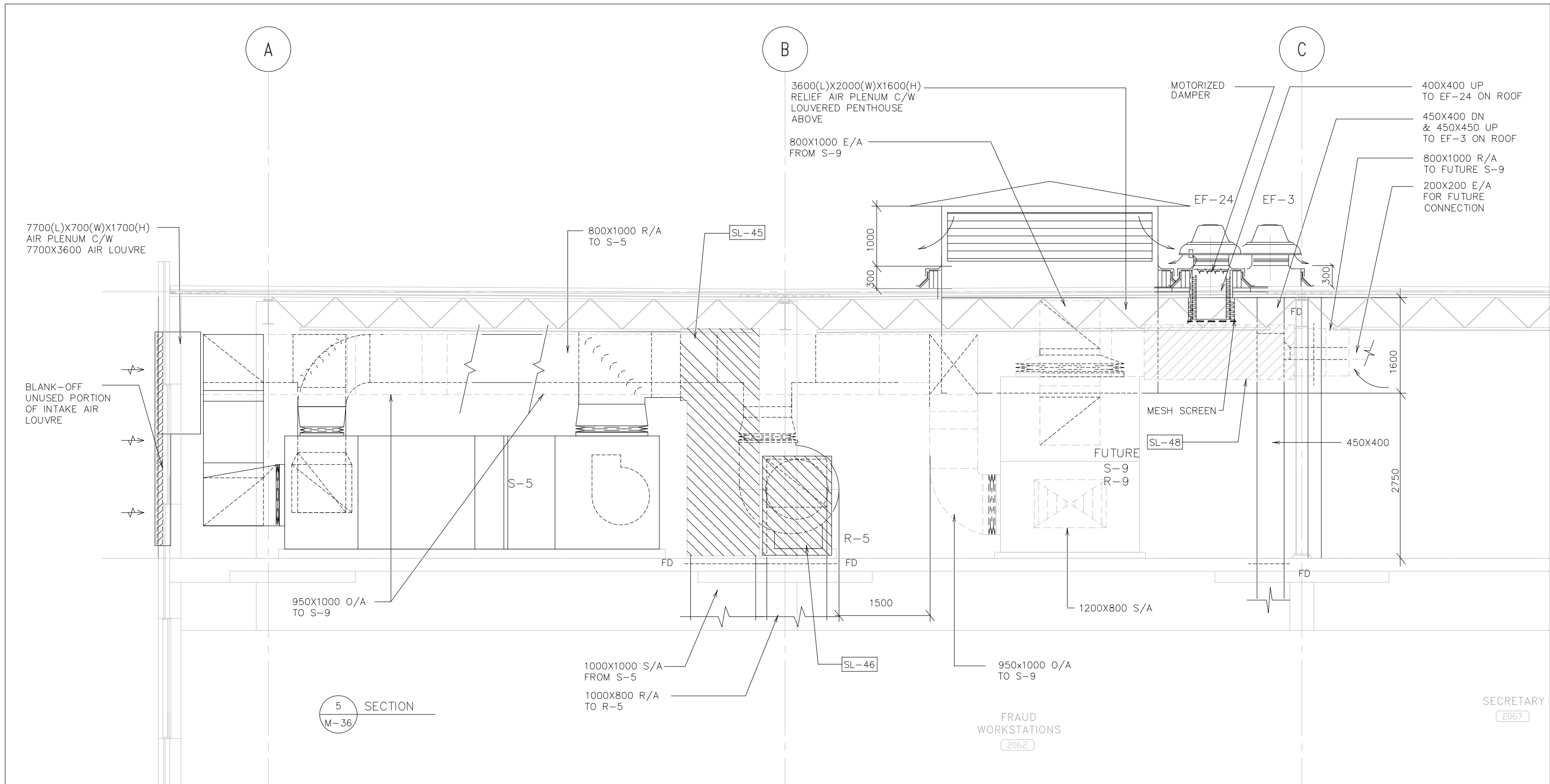
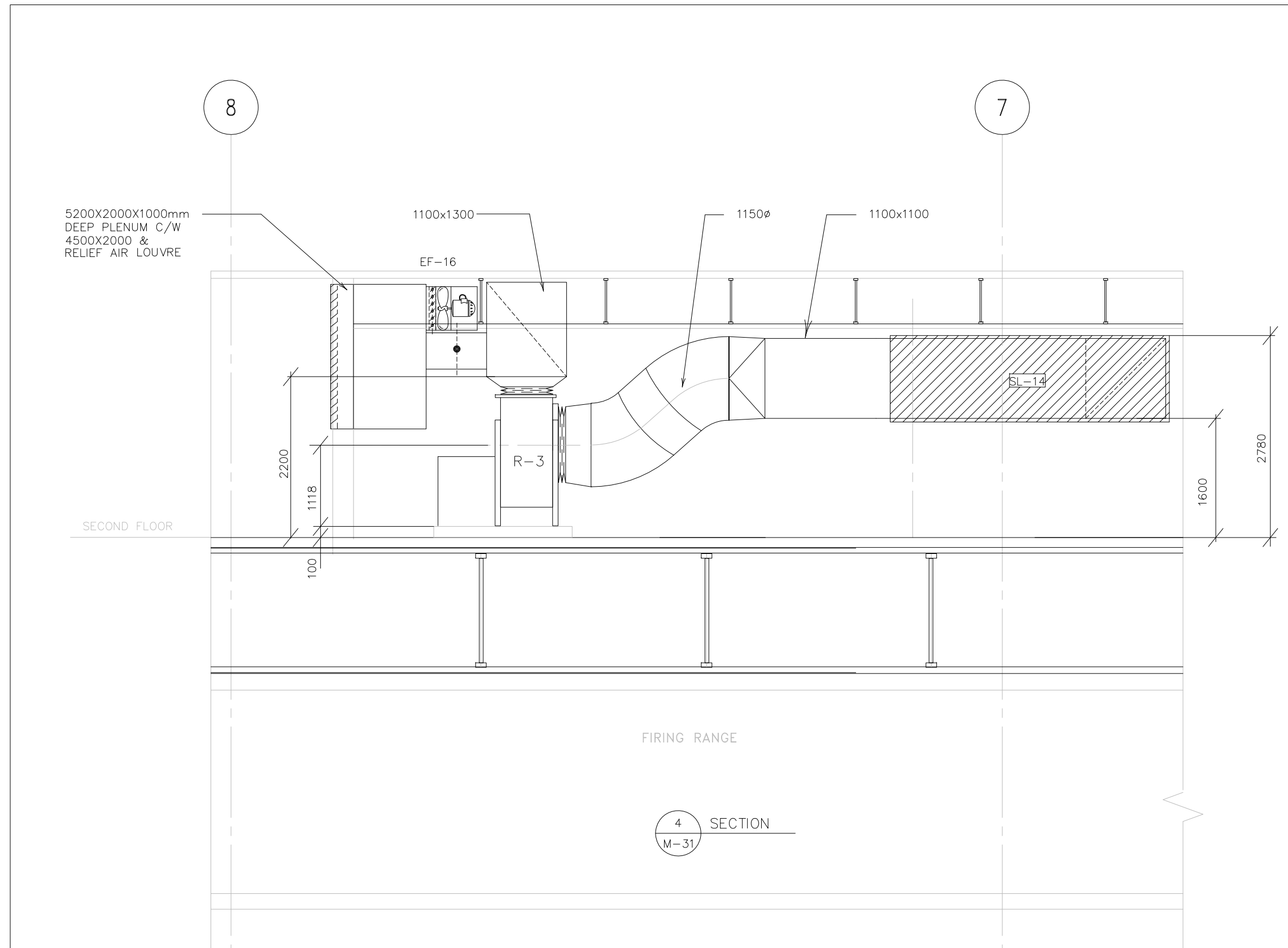
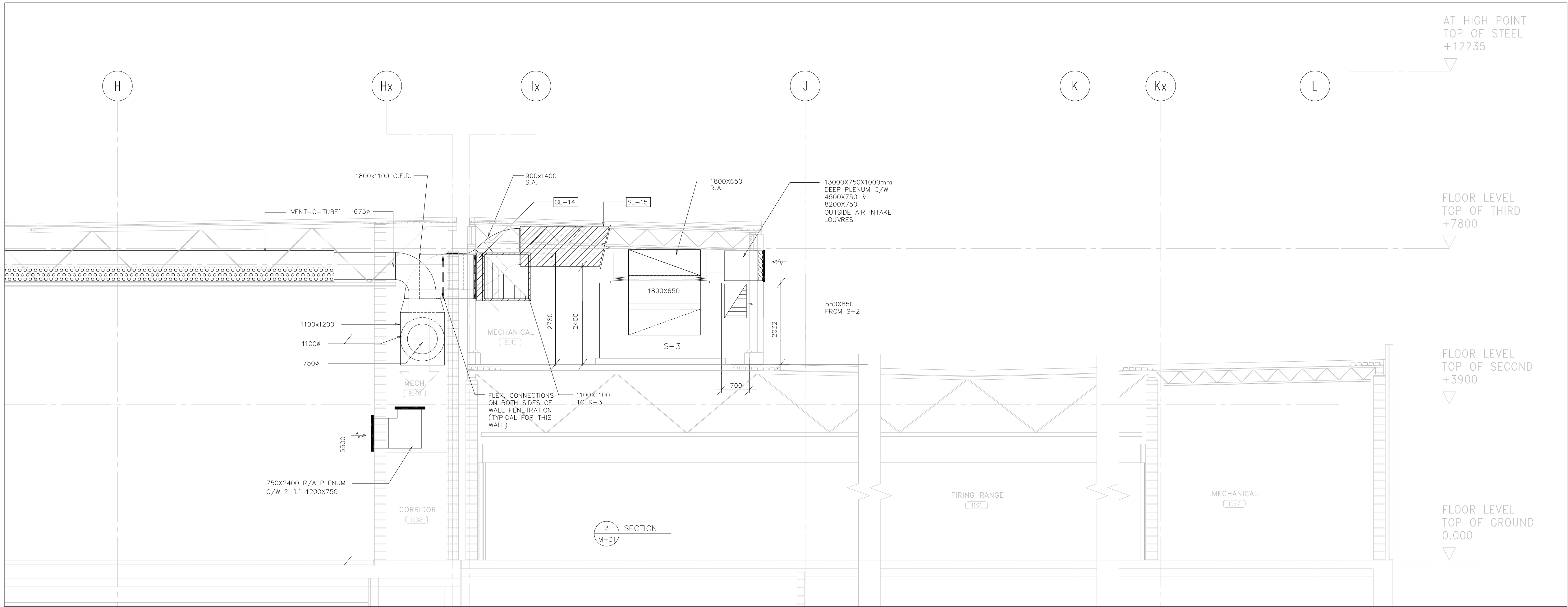
SCALE: 1:50
PROJECT NO. 01045
DWG. NO. M-44



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KEY TO DETAIL LOCATION		
No.	DETAIL	NUMBER
No.	No.	DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT	02/07/10
2	ISSUED FOR 75% SUBMISSION	02/07/17
3	ISSUED FOR 95% SUBMISSION	02/08/09
4	ISSUED FOR NEKISON	02/08/19
5	ISSUED FOR NEKISON	02/09/09
6	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
7	ISSUED FOR CONSTRUCTION	03/01/31



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740 Nicola Street, Suite 200, Vancouver, B.C. V6C 2C1

DRAWN BY: T.M.
CHECKED BY: T.J.
DATE: 01 NOV 2001
PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:
**MECHANICAL
ROOM SECTIONS**

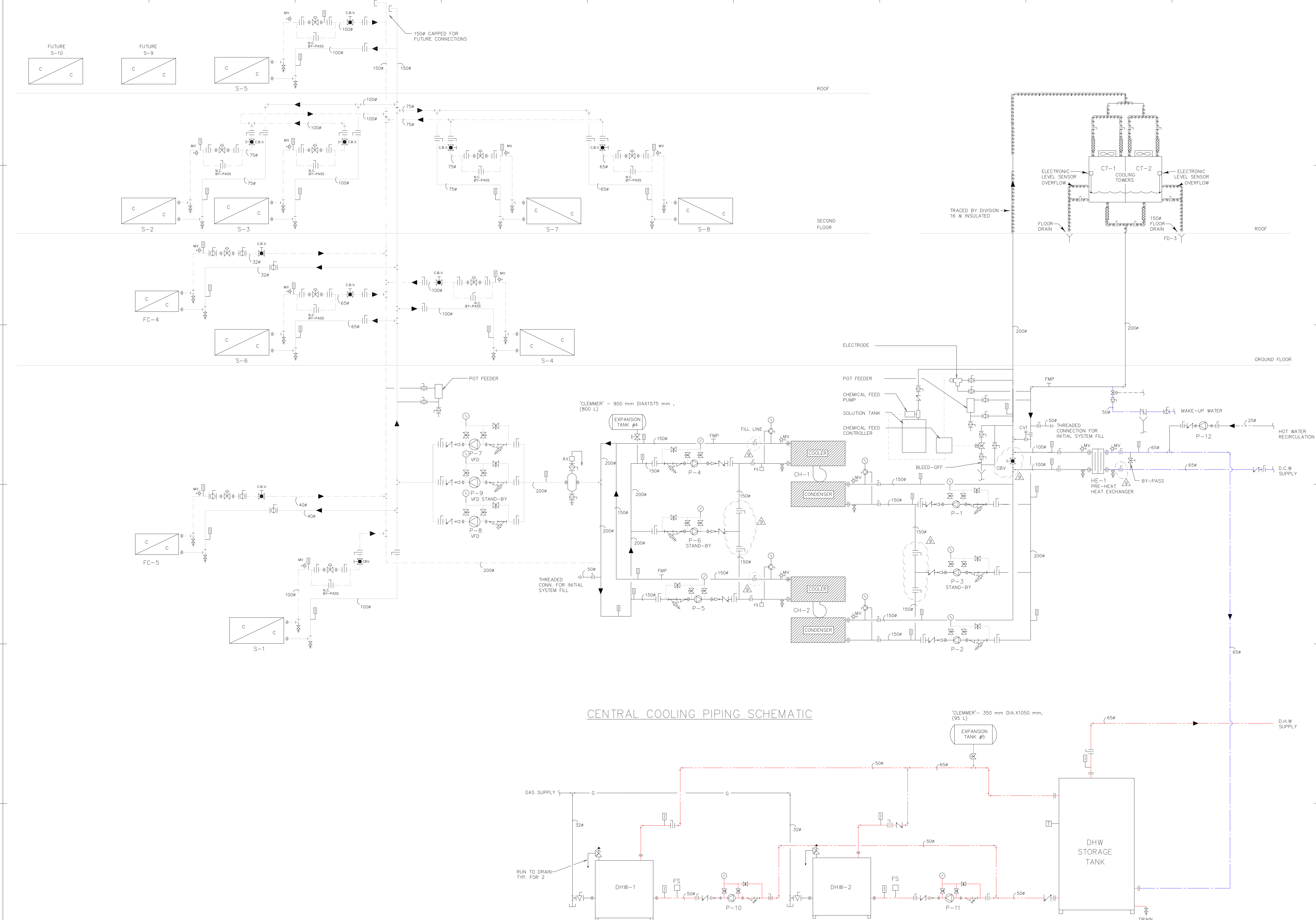
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PROJECT NO. 01045
DWG. NO. M-45



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KEY TO DETAIL LOCATION		
No.	DETAIL NUMBER	NUMBER
No.		

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR 35% OWNER'S REVIEW	02/05/17
2	ISSUED FOR BUILDING PERMIT	02/07/10
3	ISSUED FOR 75% SUBMISSION	02/07/17
4	ISSUED FOR 95% SUBMISSION	02/08/09
5	ISSUED FOR NEKISON	02/08/19
6	ISSUED FOR NEKISON	02/09/09
7	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
8	ISSUED FOR CONSTRUCTION	03/01/31
9	ISSUED FOR JI #9	03/04/15



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892 Wellington Avenue, Suite 212, Winnipeg, MB R3T 1G4
740 Nicola Street, Suite 200, Vancouver, B.C. V6C 2C1

CONSTRUCTION NORTH

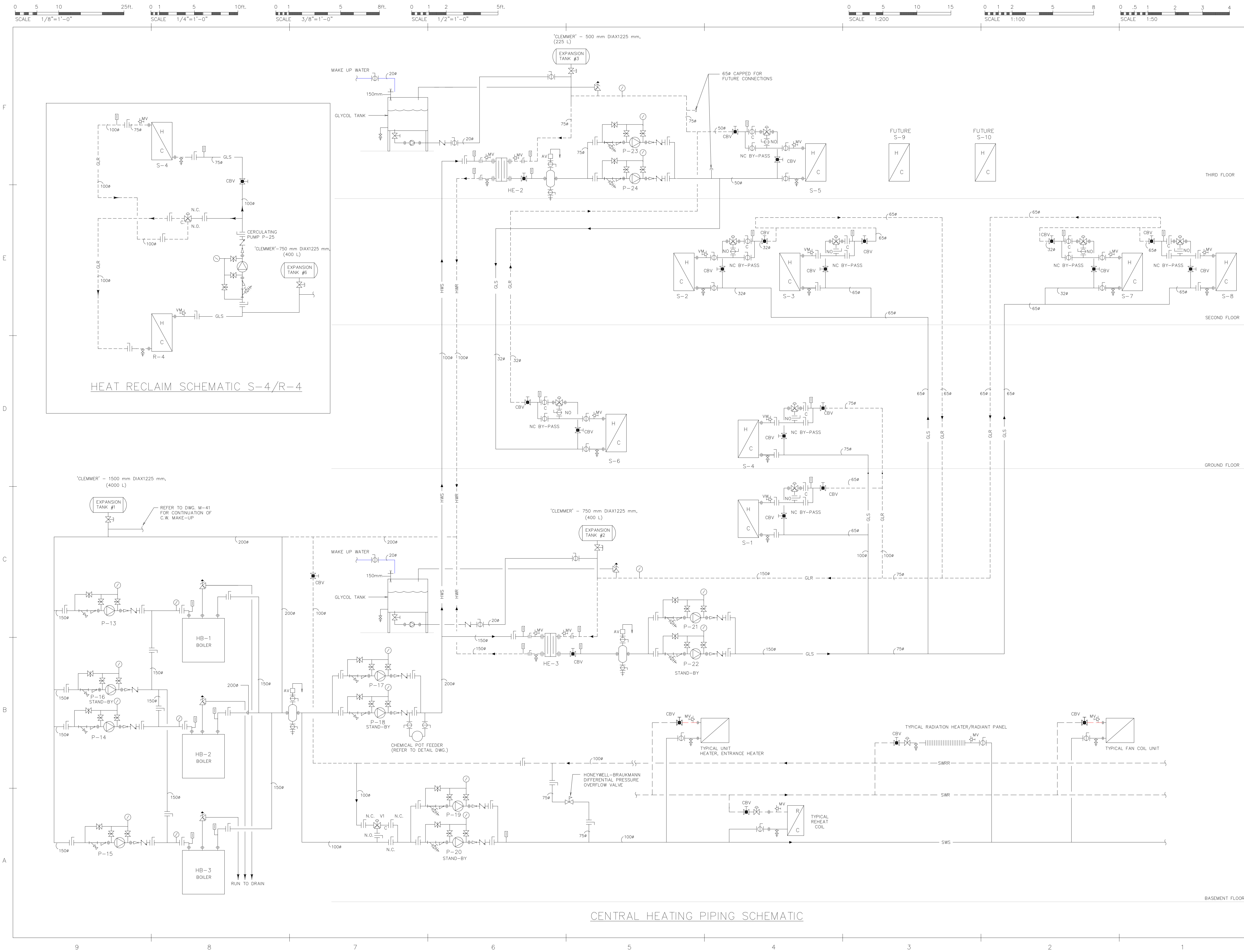
PROFESSIONAL ENGINEER
5428
T.P. JANTZI
PROVINCE OF ONTARIO

DRAWN BY: T.M.
CHECKED BY: T.J.
DATE: 14 MAY 2002
PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:
SCHEMATICS

SCALE: N.T.S.
PROJECT NO. 01045
DWG. NO. M-46



CENTRAL HEATING PIPING SCHEMATIC

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KEY TO DETAIL LOCATION		
No.	DETAIL	NUMBER
No.	No.	DRAWING NUMBER

NO.	REVISION/ISSUE	DATE
1	ISSUED FOR BUILDING PERMIT	02/07/10
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3	ISSUED FOR 95% SUBMISSION	02/08/19
4	ISSUED FOR NEKISON	02/09/09
5	ISSUED FOR 99%/FINAL COORDINATION	02/11/05
6	ISSUED FOR CONSTRUCTION	03/01/31

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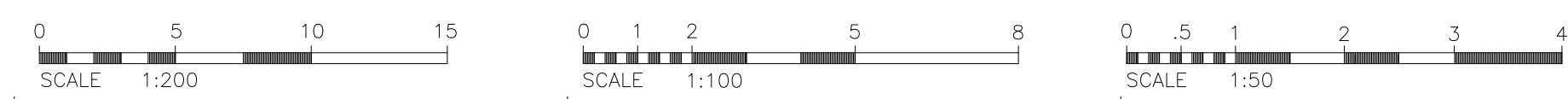
MCW Consultants Ltd.
156 Front Street West, Suite 600, Toronto, Ontario M5J 2L6
150 Wellington Avenue, Suite 210, Winnipeg, MB R3B 0G4
740 Nicola Street, Suite 200, Vancouver, B.C. V6C 2C1

CONSTRUCTION NORTH

5428
T.P. JANTZI
PROVINCE OF ONTARIO

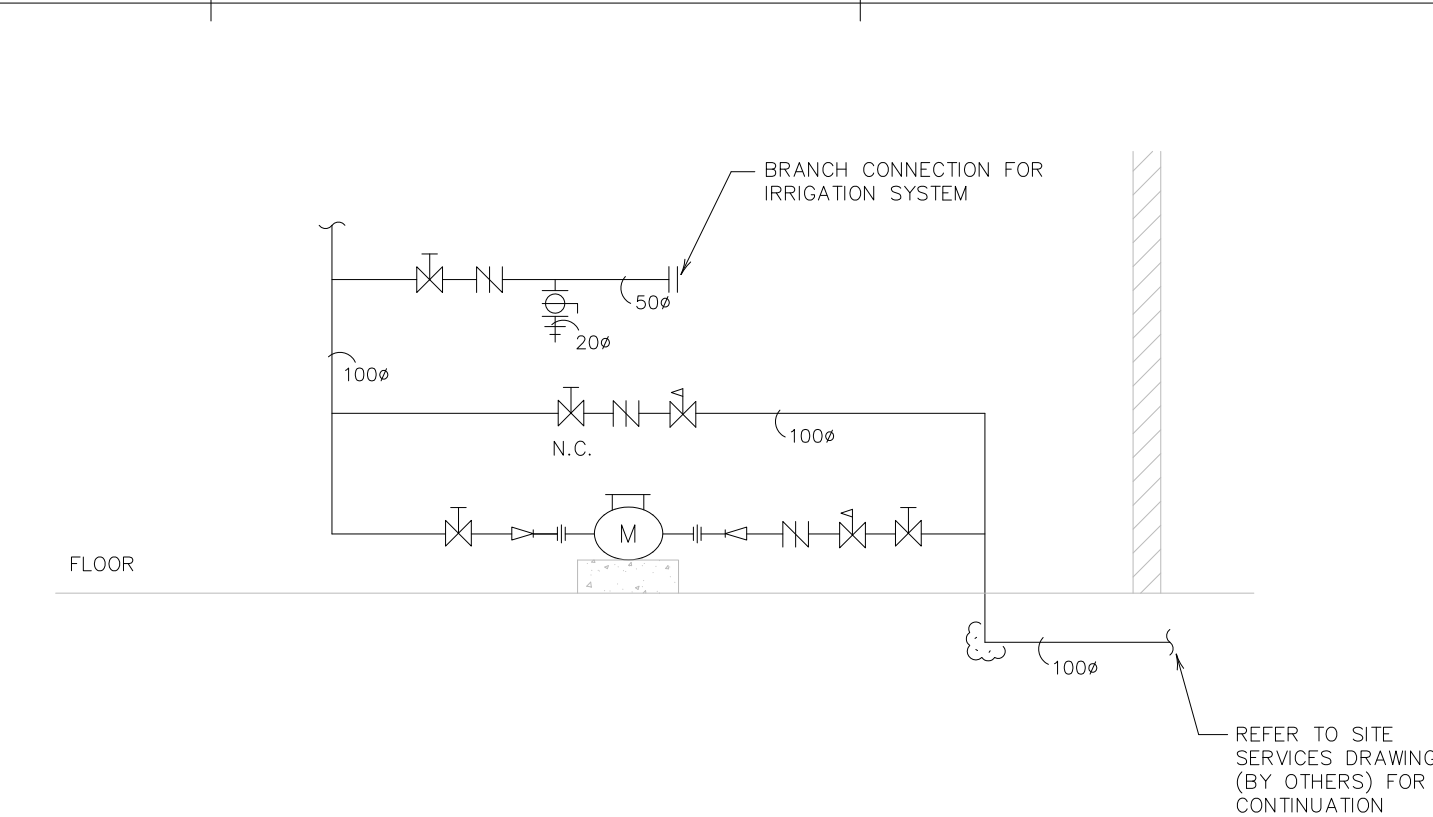
DRAWN BY: T.M.
CHECKED BY: T.J.
DATE: 14 MAY 2002
PROJECT TITLE:
PEEL REGIONAL POLICE SUPPORT SERVICES FACILITY
180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:
SCHEMATICS
SCALE: N.T.S.
PROJECT NO. 01045
DWG. NO. M-47

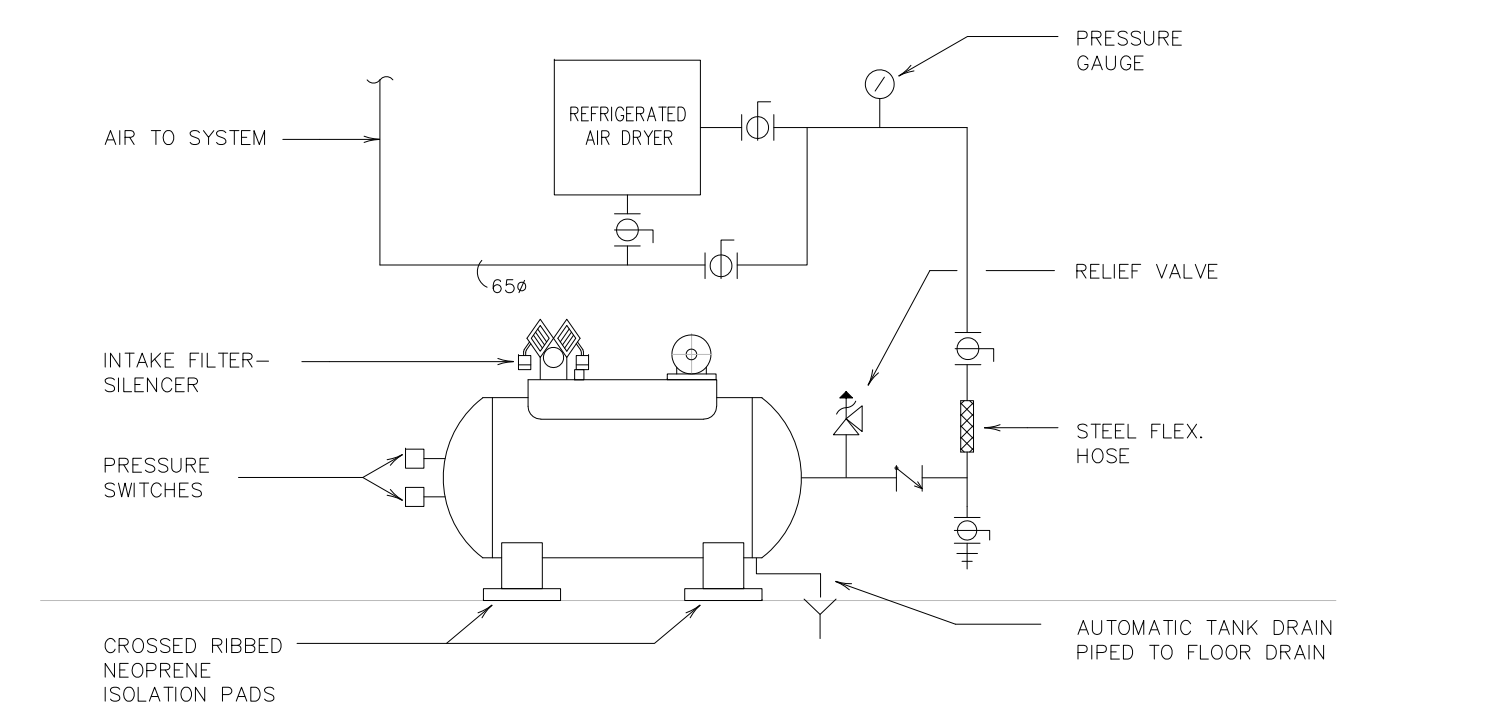


KEY TO DETAIL LOCATION

No.	DETAIL	NUMBER
No.	DRAWING	NUMBER



— REFER TO SITE
SERVICES DRAWING
(BY OTHERS) FOR
CONTINUATION



NOTE:

1. PROVIDE DRAIN AT THE BOTTOM OF ALL RISERS.
2. KEEP 12mm IN 3000mm SLOPE IN THE DIRECTION OF CONDENSATE FLOW.
3. ALL VENTS UP THROUGH ROOF.

The schematic diagram illustrates the piping system for a building, organized into three horizontal levels: ROOF, GROUND FLOOR, and BASEMENT FLOOR. The system is fed by a main supply line from the left, which branches into various units and equipment.

- ROOF:**
 - MAU-1 (235kW) and MAU-2 (235kW) are connected to the main supply line via 50ø pipes.
 - A series of UH units (UH-13 to UH-21, each 22kW) are connected to the main supply line via 25ø pipes.
 - A GAS METER is located on the main supply line, with a TOTAL LOAD of 5569kW @ 13.79kPa.
 - A BOILER ROOM EMERGENCY SHUTOFF VALVE is located on the main supply line, with a 100ø pipe connection.
- GROUND FLOOR:**
 - The main supply line continues from the ROOF, branching into various units and equipment.
 - A series of UH units (UH-13 to UH-21, each 22kW) are connected to the main supply line via 25ø pipes.
 - A GAS METER is located on the main supply line, with a TOTAL LOAD of 5569kW @ 13.79kPa.
 - A BOILER ROOM EMERGENCY SHUTOFF VALVE is located on the main supply line, with a 100ø pipe connection.
- BASEMENT FLOOR:**
 - The main supply line continues from the GROUND FLOOR, branching into various units and equipment.
 - A STEAM BOILER (535kW) is connected to the main supply line via a 32ø pipe.
 - Two HB units (HB-3 and HB-2, each 1260kW) are connected to the main supply line via 50ø pipes.
 - Two DWH units (DWH-1 and DWH-2, each 293kW) are connected to the main supply line via 32ø pipes.

The diagram also shows various pipe sizes (e.g., 100ø, 75ø, 50ø, 32ø) and flow directions indicated by arrows.

The diagram illustrates the oil system layout across two levels: GROUND FLOOR and BASEMENT FLOOR.

GROUND FLOOR:

- OIL STORAGE TANK #1** and **OIL STORAGE TANK #2** are located on the left. Each has a **VENT CAP** and a **FILL CAP**.
- A **SS. CONTAINMENT CABINET** is situated between the two tanks.
- LEVEL-O-METERS** are connected to the tanks.
- A **WEATHER-PROOF VENT. CAP** is located at the top center.
- Pipes with flow arrows connect the tanks to the basement floor.

BASEMENT FLOOR:

- A **DAY TANK** is connected to the system from the ground floor.
- A **DRAIN PAN** is located below the day tank.
- An **EMERGENCY GENERATOR** is connected to the day tank.
- BURNER #1** and **BURNER #2** are located on the right. Burner #2 has a **900mm MAX** dimension indicated.
- Pipes with flow arrows connect the day tank and emergency generator to the burners.
- Labels **BY DIV. 16** and **20"** are present near the day tank.

The diagram uses various pipe sizes (12", 20", 25") and flow indicators to show the system's configuration.

DRAWN BY: T.M.			
CHECKED BY: T.J.			
DATE: 14 MAY 2002			
PROJECT TITLE:			
		PEEL REGIONAL POLICE SUPPORT SERVICES FACILITY	
180 DERRY ROAD EAST MISSISSAUGA, ONTARIO			
DRAWING TITLE:			
SCHEMATICS			
SCALE: N.T.S.			
PROJECT NO.		DWG. NO.	
01045		M-48	



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PUMP SCHEDULE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
REF.	DESCRIPTION	LOCATION	FLOW (L/S)	HEAD (kpa)	RPM	MANUFACTURER	TYPE/SIZE	ENERGY REQUIRED (KW)	MOTOR SIZE (KW)	POWER SUPPLY					STARTER				CONTROLS			OTHER REQUIREMENTS		REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
										VOLTS	PHASE	FED FROM	EM.	NORM.	SUPPLIED BY	INSTALLED BY	TYPE	MAN.	AUTO	INTERLOCK BY	WP. DISC. AT MOTOR	DISC. AT MOTOR	F.A. SHUT			OTHERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

NOTES:

- REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
- REFER TO SECTIONS 15400 AND 15700 FOR FURTHER DETAILS.
- REFER TO SECTION 15100 FOR VIBRATION ISOLATION.
- OPERATING IN PARALLEL (50%).
- 50% ETHYLENE GLYCOL.
- 35% ETHYLENE GLYCOL.
- HIGH EFFICIENCY MOTORS WITH SOFT START.
- P=PRESENT & F=FUTURE (BALANCE PUMPS FOR PRESENT PERFORMANCE)
- DUPLEX PUMP C/W FLOAT SWITCH: 4PKA2-3S, CONTROL PANEL: D32 540, HIGH LEVEL ALARM: A4-2SP-20 (20 FT CORD)
- SIMPLEX PUMP C/W FLOAT SWITCH: A2D31B, HIGH LEVEL ALARM: A4-2SP-20 (20 F CORD), CURB FRAME & COVER 900X900 MM.

C

BOILER SCHEDULE

REF.	DESCRIPTION	INPUT (KW)	OUTPUT (KW)	GAS TRAIN INLET PRESS. (kPa)	OPERATING PRESS. MAX. (kPa)	OPERATING TEMP. MAX. (°C)	MANUFACTURER	MODEL	MOTOR SIZE (KW)	POWER SUPPLY					STARTER				CONTROLS		OTHER REQUIREMENTS				REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
										VOLTS	PHASE	FED FROM	EM.	NORM.	SUPPLIED BY	INSTALLED BY	TYPE	MAN.	AUTO	INTERLOCK BY	WP. DISC. AT MOTOR	DISC. AT MOTOR	F.A. SHUT	OTHERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

NOTES:

- REFER TO SECTION 15100 FOR VIBRATION ISOLATION.
- HB-1, 2 C/W WEBSTER JB2C-20 DUAL FUEL BURNERS WITH FULL MODULATION CONTROLS.
- BOILER SUPPLIER COORDINATE. SEE OTHER SHEET.

HUMIDIFICATION BOILER SCHEDULE																													
REF.	DESCRIPTION	INPUT (KW)	OUTPUT (KW)	GAS TRAIN INLET PRESS. KPA	OPERATING PRESS. MAX. KPA	OPERATING TEMP. MAX. (°C)	STEAM OUTPUT		MANUFACTURER	MODEL	MOTOR SIZE (KW)	POWER SUPPLY					STARTER				CONTROLS			OTHER REQUIREMENTS				REMARKS	
							PRESSURE KPA	CAPACITY KG/HR				VOLTS	PHASE	FED FROM	EM.	NORM.	SUPPLIED BY	INSTALLED BY	TYPE	MAN.	AUTO	INTERLOCK BY	DISC. AT MOTOR	DISC. AT MOTOR	F.A. SHUT	OTHERS			
SB-1	STEAM	535	420	13.79	103	100	103	671	SMITH	28A-S-6	0.56	575	3																

NOTES:

1. C/W FUEL MASTER CG-60 GAS PRESSURE LOW/HIGH/LOW FIRING

NOTES:

DOMESTIC HOT WATER HEATERS SCHEDULE																														NOTES:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
REF.	DESCRIPTION	INPUT (KW) (MBH)	GAS TRAIN INLET PRESS. (kPa)	(LPH) AT 55.5°C TEMP RISE	TANK CAPACITY (L)	MANUFACTURER	MODEL	MOTOR SIZE KW	POWER SUPPLY					STARTER					CONTROLS			OTHER REQUIREMENTS		REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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DHW-1	HOT WATER	293.1	13.79	4206	—	LAARS	VW 1000M	1/4	115	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

NOTES:

A

AIR COOLED CONDENSER																													
REF.	CAPACITY (KW)	REFRIGERANT	AMBIENT TEMP. (°C)	SAT. DISCH. TEMP. (°C)	SAT. SUCT. TEMP. (°C)	MANUFACTURER	MODEL	MIN. CIRC. AMPS	MAX. FUSE SIZE	POWER SUPPLY				STARTER				CONTROLS			OTHER REQUIREMENTS				REMARKS				
										VOLTS	PHASE	FED FROM	EM.	NORM.	SUPPLIED BY	INSTALLED BY	TYPE	MAN.	AUTO	INTERLOCK BY	WP. DISC. AT MOTOR	DISC. AT MOTOR	F.A. SHUT	OTHERS					
CU-1 TO 6	6.8	R-22	35	12.7	7.2	CARRIER	38HDS024	16.8	-	208	1																	REFER TO EVAPORATOR SCHEDULE (1 TO 12)	
CU-7	14	R-22	35	12.7	7.2	CARRIER	38HDS048	31.8	-	208	1																	REFER TO EVAPORATOR SCHEDULE (13)	

NOTES:
1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
2. REFER TO SPECIFICATION AND SECTION 15700 FOR FURTHER DETAILS.

NOTES:

- REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
- REFER TO SPECIFICATION AND SECTION 15700 FOR FURTHER DETAILS.

KEY TO DETAIL LOCATION



IF THIS SHEET IS NOT 27 1/2" x 42" (700x1067mm) IT IS A REDUCED PRINT - READ DWG. ACCORDINGLY

F

EVAPORATOR													
REF.	AIR (L/S)	SIZE (MM)	MANUFACTURER (MODEL)	ENTERING AIR TEMP DB/WD (°C)	LEAVING AIR TEMP DB/WD (°C)	SUCTION TEMP (°C)	TOTAL (KW)	AIR S.P. (KPA)	AMBIENT TEMP (°C)	MIN. CIRC. (AMPs)	POWER SUPPLY		REMARKS
											VOLT	PHASE	
1 TO 12	260	—	CARRIER — 40QNB018	26.6/19.4	12.7/12.2	7.2	3.4	—	35	0.66	208	1	C/W MOUNTING BRACKET, INFRA RED REMOTE CONTROLLER
13	566	—	CARRIER — 40QNB048	26.6/19.4	12.7/12.2	7.2	14	—	35	2	208	1	C/W MOUNTING BRACKET, INFRA RED REMOTE CONTROLLER

NOTES:

1. REFER TO SPECIFICATION AND SECTION 15700 FOR FURTHER DETAILS.

NOTES:
1. REFER TO SPECIFICATION AND SECTION 15700 FOR FURTHER DETAILS.

WATER CHILLERS SCHEDULE																																				
REF.	DESCRIPTION	TYPE	COOLER			SAT. SUCT. TEMP (°C)	CONDENSER				SAT. DISCHARGE TEMP. (°C) (°F)	POWER REQUIRED (KW)	MAX. CONN. LOAD (KW)	REFRIGERANT	NO. OF COMPRESSOR	STEPS OF UNLOADING	COP/ NPLV	MANUFACTURER	MODEL	MIN. CIRC. AMPS	MAX. FUSE SIZE	POWER SUPPLY			STARTER				CONTROLS			OTHER REQUIREMENTS		REMARKS		
			FLOW (L/S)	EWI (°C)	LWI (°C)		PRESS. DROP (kPa)	FLOW (L/S)	EWI (°C)	LWI (°C)												PRESS. DROP (kPa)	VOLTS	PHASE	FED FROM	EM.	NORM.	SUPPLIED BY	INSTALLED BY	TYPE	MAN.	AUTO	INTERLOCK BY		W.P. DISC AT MOTOR	DISC. AT MOTOR
CH-1	WATER - COOLED	ROTARY	28.46	11.11	3.33	15.53	-	32.59	29.44	37.78	15.82	-	206	HFC-134a	1	-	0.614	TRANE	RTHC	297.70		575	3				DIV.15	DIV.16	DIV.15	DIV.16						
CH-2	WATER - COOLED	ROTARY	28.46	11.11	3.33	15.53	-	32.59	29.44	37.78	15.82	-	206	HFC-134a	1	-	0.614	TRANE	RTHC	297.70		575	3													

NOTES:

1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.

2. REFER TO SPECIFICATION AND SECTION 15700 FOR FURTHER DETAILS.

3. FOULING FACTOR FOR COOLERS AND CONDENSERS: (0.0001) (0.0025).

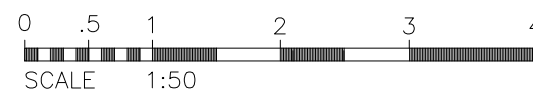
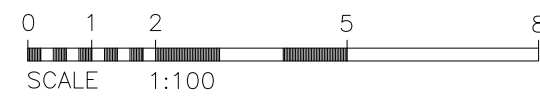
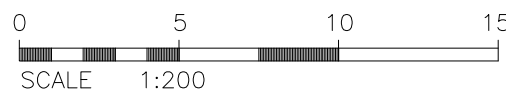
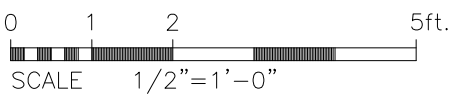
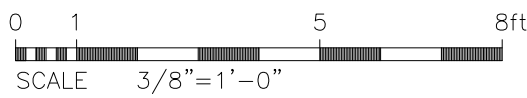
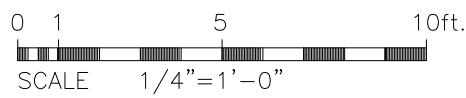
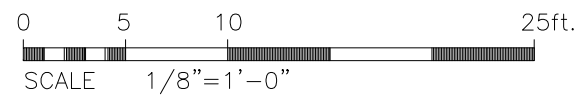
4. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.

NOTES:
1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
2. REFER TO SPECIFICATION AND SECTION 15700 FOR FURTHER DETAILS.
3. FOULING FACTOR FOR COOLERS AND CONDENSERS: (0.0001) (0.0025).
4. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.

REF.	DESCRIPTION	SUMMER				WINTER				TUBES PRESS. DROP (kPa) (FT.)	FOULING FACTOR	MANUFACTURER	MODEL	GPM/ HP L/S KW	MOTOR SIZE (KW)	POWER SUPPLY				STARTER				CONTROLS			OTHER REQUIREMENTS				REMARKS
		FLOW (L/S)	EWT (°C)	LWT (°C)	OUTDOOR AMBIENT (°C)WB	FLOW (L/S)(GPM)	EWT (°C)(°F)	LWT (°C)(°F)	OUTDOOR AMBIENT (°C)(°F)WB							VOLTS	PHASE	FED FROM	EM.	NORM.	SUPPLIED BY	INSTALLED BY	TYPE	MAN.	AUTO	INTERLOCK BY	DISC. AT MOTOR	DISC. AT MOTOR	F.A. SHUT	OTHERS	
CT-1	COUNTER FLOW INDUCED DRAFT	65.18	37.78	29.4	24.44	-	-	-	-	-	-	B.A.C.	15201-2	-	2x1.19	575	3														

NOTES:
1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTIONS 15700 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION.
4. COOLING TOWER C/W 2-SPEED TYPE MOTOR, PAN HEATER EACH=12 KW, VIBRATION RAILS, EXTERNAL SERVICE PLATFORM W/ HANDRAILS AND LADDER.

EXHAUST FAN SCHEDULE			AIR FLOW (L/S)	PRESSURE (kPa)		OUTLET VELOCITY (M/S)	RPM	P.W.L. db RE 10 ¹² WATTS OCTAVE BAND								MANUFACTURER	MODEL	ENERGY REQUIRED (kW)	MOTOR SIZE (kW)	POWER SUPPLY				STARTER				CONTROLS		OTHER REQUIREMENTS				REMARKS	NOTES:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
REF.	SERVICE AREA	LOCATION		TOTAL	STATIC			1	2	3	4	5	6	7	8					VOLTS	PHASE	FED FROM	EM.	NORM.	SUPPLIED BY		INSTALLED BY		TYPE	MAN.	AUTO	INTERLOCK BY	DISC. AT MOTOR			DISC. AT MOTOR	F.A. SHUT DOWN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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EF-1	MAIN WASH RM.	ROOF	P-2760 F-3230	--	0.250	628 662	75	85	77	72	67	64	59	53	PENN	DX30B	1.45	2.24	575	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								



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SUPPLY FAN SCHEDULE

[illegible]

NOTES:

1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION 15800 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION
4. PROVIDE VARIABLE SPEED DRIVE FOR SYSTEMS S-1, 2, 5, 6, 7.

RETURN AIR FAN SCHEDULE

[illegible]

NOTES:

1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION 15800 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION
4. PROVIDE VARIABLE SPEED DRIVE FOR SYSTEMS R-1, 2, 5, 6, 7.

COIL SCHEDULE

REF.	DESCRIPTION	AIR FLOW (L/S)	CAPACITY (KW)		SIZE (mm x mm)	FACE VELOCITY (M/S)	ENTERING AIR (°C) DB/WB	LEAVING AIR (°C) DB/WB	WATER (L/S)	WATER TEMPERATURE (°C)		AIR STATIC PRESSURE (Pa)	WATER PRESSURE DROP (KPa)	MANUFACTURER	MODEL	REMARKS
			TOTAL	SENSIBLE						ENTER	LEAVE					
CC-1	COOLING	7551	397	210	—	2.8	30 / 23	9 / 9	12.2	3	11	285	73.14	TRANE	—	
CC-2	COOLING	4955	180	131	—	2.6	29 / 19	8 / 7.7	5.5	3	11	235	41.6	TRANE	—	
CC-3	COOLING	11798	348	202	—	2.7	27 / 21	13.4 / 13	10.7	3	11	137	27	TRANE	—	
CC-4	COOLING	15102	633	342	—	2.6	30 / 23	12 / 12	19.5	3	11	157	28.5	TRANE	—	
CC-5	COOLING	10383	383	263	—	2.3	28.5 / 19	8 / 8	11.8	3	11	192	47	TRANE	—	
CC-6	COOLING	2171	99	57	—	2.4	29 / 22	8 / 8	3	3	11	262	34.3	TRANE	—	
CC-7	COOLING	4766	182	125	—	2.5	29 / 20	8 / 8	5.6	3	11	247	42.7	TRANE	—	
HRC-1	COOLING/HEATING	15102	530	355	—	2.7	24 / 17	5.4 / 5	27	0	6	172	33.5	TRANE	—	SERVING SYSTEM S-4/R-4
CC-8	COOLING	5664	126	73	—	2.5	28 / 22	17.6 / 17.3	3.8	3	11	60	0.9	TRANE	—	

NOTES:

1. REFER TO SECTION 15700 FOR FURTHER DETAIL.

COIL SCHEDULE

REF.	DESCRIPTION	AIR FLOW (L/S)	CAPACITY (KW)	SIZE (mm x mm)	FACE VELOCITY (M/S)	ENTERING AIR (°C) DB	LEAVING AIR (°C) DB	WATER (L/S)	WATER TEMPERATURE (°C)		AIR STATIC PRESSURE (Pa)	WATER PRESSURE DROP (kPa)	MANUFACTURER	MODEL	REMARKS
									ENTER	LEAVE					
HC-1	HEATING	7551	343	—	2.8	−20	17.5	4.4	82	60	50	9.25	TRANE	—	50% ETH. GLYCOL
HC-2	HEATING	4955	63	—	2.8	8	18	0.8	82	60	30	1.23	TRANE	—	50% ETH. GLYCOL
HC-3	HEATING	11798	322	—	2.7	2	25	4.1	82	60	30	24.3	TRANE	—	50% ETH. GLYCOL
HC-4	HEATING	15102	879	—	2.5	−20	28	11.2	82	60	47	33.5	TRANE	—	50% ETH. GLYCOL
HC-5	HEATING	10383	176	—	2.3	4	18.4	2.2	82	60	15	3.8	TRANE	—	50% ETH. GLYCOL
HC-6	HEATING	2171	70	—	2.5	−8	18	0.9	82	60	32	4.74	TRANE	—	50% ETH. GLYCOL
HC-7	HEATING	4766	82	—	2.7	4	19	1.05	82	60	20	4.23	TRANE	—	50% ETH. GLYCOL
HC-8	HEATING	5664	220	—	2.5	9.4	22.5	2.36	82	60	35	2.64	TRANE	—	50% ETH. GLYCOL

NOTES:

1. REFER TO SECTION 15700 FOR FURTHER DETAIL

MAKE-UP AIR UNITS

[illegible]

NOTES:

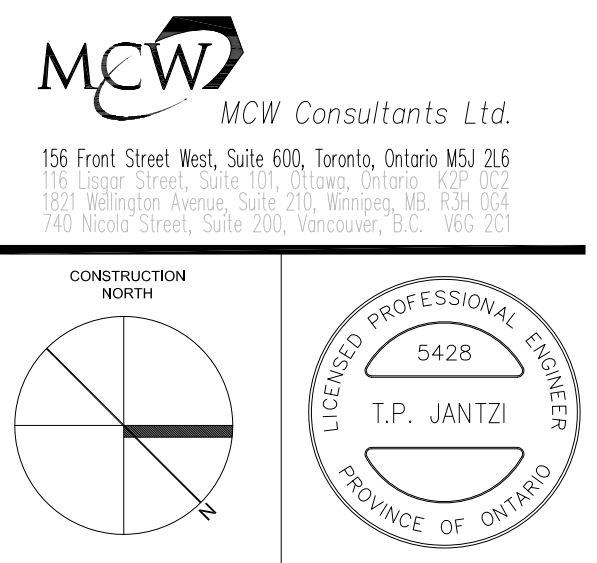
1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION 15700 FOR FURTHER DETAILS.
3. REFER TO SECTION 15100 FOR VIBRATION ISOLATION

KEY TO DETAIL LOCATION

No.	DETAIL	NUMBER
No.	DRAWING	NUMBER

[illegible]

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DRAWN BY: M.D.

CHECKED BY: T.T.

DATE: 01 NOV 2001

PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY

180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

EQUIPMENT
SCHEDULES

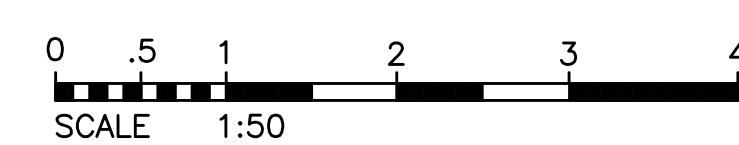
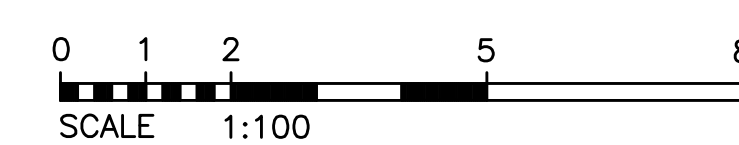
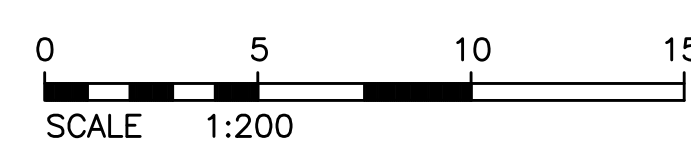
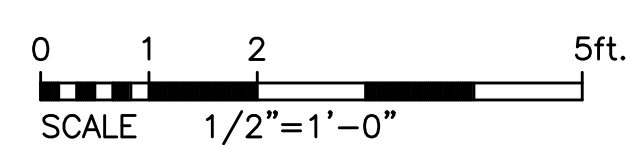
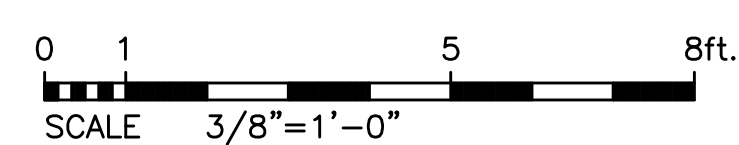
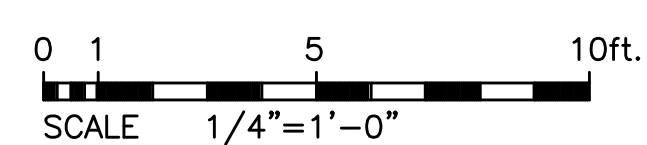
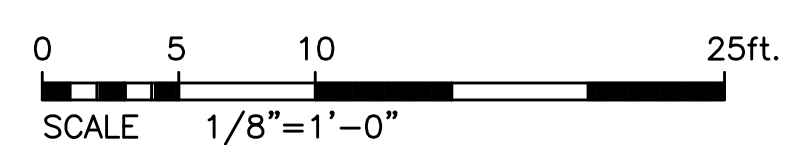
SCALE: N.T.S.

PROJECT NO.

01045

DWG. NO.

M/E-3



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KEY TO DETAIL LOCATION

No.	DETAIL	NUMBER
No.	DRAWING	NUMBER

FAN POWERED BOXES SCHEDULE

[illegible]

UNIT HEATER SCHEDULE

REF.	DESCRIPTION	LOCATION	HEATING CAP. (KW)	VOLTAGE (V)	ENTERING AIR TEMP. (°C)	SUPPLY AIR (L/S)	COIL ROWS	PRESSURE DROP (kPa)	FAN MOTOR (kW)	MANUFACTURER	MODEL	REMARKS
UNIT HEATERS												
UH-1	UNIT HEATER	—	12.1	115/60/1	15.6	395	—	—	62	TRANE	UNSA060W2	
UH-2	UNIT HEATER	—	12.1	115/60/1	15.6	395	—	—	62	TRANE	UNSA060W2	
UH-3	UNIT HEATER	—	7.9	115/60/1	15.6	260	—	—	37	TRANE	UNSA060S8	
UH-4	UNIT HEATER	—	7.9	115/60/1	15.6	260	—	—	37	TRANE	UNSA060S8	
UH-5	UNIT HEATER	—	7.9	115/60/1	15.6	260	—	—	37	TRANE	UNSA060S8	
UH-6	UNIT HEATER	—	3.2	115/60/1	15.6	169	—	—	37	TRANE	UNSA036S8	
UH-7	UNIT HEATER	—	15.9	115/60/1	15.6	585	—	—	124	TRANE	UNSA100S8	
UH-8	UNIT HEATER	—	15.9	115/60/1	15.6	585	—	—	124	TRANE	UNSA100S8	
UH-9	UNIT HEATER	—	7.9	115/60/1	15.6	260	—	—	37	TRANE	UNSA060S8	
UH-10	UNIT HEATER	—	27.6	115/60/1	15.6	585	—	—	124	TRANE	UNSA168S8	
UH-11	UNIT HEATER	—	12.1	115/60/1	15.6	395	—	—	62	TRANE	UNSA060W	
UH-12	UNIT HEATER	—	27.6	115/60/1	15.6	585	—	—	124	TRANE	UNSA168S8	
UH-22 TO 27	UNIT HEATER	—	44	115/60/1	15.6	2115	—	—	373	TRANE	UHS4320S8E	

NOTES:

1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
2. REFER TO SECTION 15700 FOR FURTHER DETAIL.
3. ENTRANCE HEATERS: C/W INTEGRAL THERMOSTATS.
4. ENTERING WATER TEMP. 87.7°C
5. BASED ON 30°F TEMPERATURE DROP.

FAN COIL SCHEDULE

[illegible]

NOTES:

- NOTES:**
1. REFER TO SECTION 15050 REGARDING WIRING AND ELECTRIC MOTORS.
 2. REFER TO SECTION 15700 FOR FURTHER DETAILS.
 3. 3-SPEED SWITCH

HUMIDIFIER SCHEDULE

[illegible]

NOTES:

1. REFER TO SECTION 15700 FOR FURTHER DETAILS.
2. USE BMS SIGNAL TO LIMIT CAPACITY OF HUMIDIFIER (7 VOLT MAX. - 0-10V SIGNAL).
3. UNIT BASED ON NORTEC c/w 4 DISTRIBUTORS FOR AHU INSTALLATION.

3

E

[illegible]

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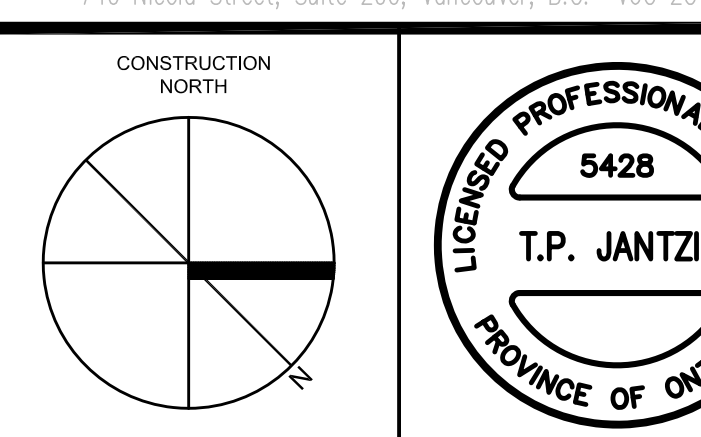
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DRAWN BY: T.M.

CHECKED BY: T.T.

DATE: 01 NOV 2001

PROJECT TITLE:

PEEL REGIONAL
POLICE SUPPORT
SERVICES FACILITY

180 DERRY ROAD EAST
MISSISSAUGA, ONTARIO

DRAWING TITLE:

EQUIPMENT SCHEDULES

SCALE: N.T.S.

PROJECT NO.

01045

DWG. NO.

M/E-4

