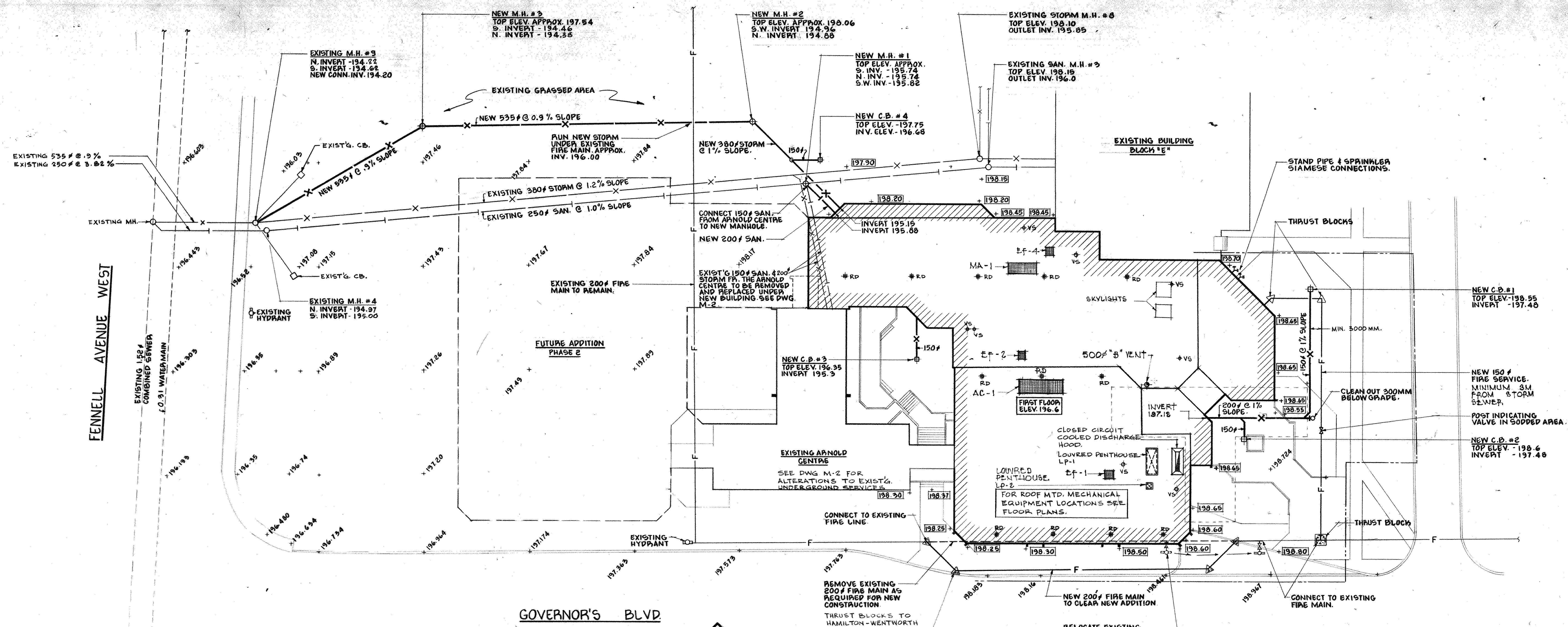


NOTE:
NEW MANHOLE COVERS TO BE
80MM ABOVE GRADE



SITE PLAN
SCALE: 1:250
NORTH

NOTE:
EXISTING MECHANICAL UNDERGROUND
SERVICES ARE TO BE PROTECTED FROM
FREEZING & DAMAGE DURING CONSTRUCTION
BY DIVISION 15. VERIFY LOCATIONS OF ALL
UNDERGROUND SERVICES BEFORE WORK
COMMENCEMENT.

PLUMBING LEGEND		HEATING LEGEND		VENTILATING LEGEND	
GV	GATE VALVE	HWS	H.W. HEATING SUPPLY (HWS)	SI	SOUND INSULATION
GV	GLOBE VALVE	HWR	H.W. HEATING RETURN (HWR)	FC	FLEXIBLE CONNECTION
DCW	DOMESTIC COLD WATER (DCW)	A	AIR PIPING	DO	DUCT OFFSET
DHW	DOMESTIC HOT WATER (DHW)	FOS	OIL SUPPLY	GS	GRILLE SCHEDULE
DR	DOMESTIC HOT RECIRCULATING	FOR	OIL RETURN	FD	FIRE DAMPER
EU	ELBOW UP	G	GAS PIPING	TV	TURNING VANES
ED	ELBOW DOWN	GV	GATE VALVE	DG	DOOR GRILLE
SD	SANITARY DRAIN (S.A.H.)	CV	CHECK VALVE	SD	SPLITTER DAMPER
ST	STORM DRAIN (S.T.M.)	GV	GLOBE VALVE	BD	BALANCING DAMPER
FC	FLOOR CLEANOUT	3CV	3 WAY CONTROL VALVE	AD	ACCESS DOOR
BC	BURIED CLEANOUT	RV	RELIEF VALVE	VT	VOLUME TAPPINGS
VL	VENT LINE	PV	PLUG VALVE	SDS	SUPPLY DUCT SECTION
GL	GAS LINE	G	GUIDES	RET	RET. OR EXH. DUCT SECTION
A	AIR LINE	EXP	EXP. COMPENSATOR	MD	MOTORIZED DAMPER
CWS	CHILLED WATER SUPPLY	C	CIRCULATOR	DB	DIFFUSERS, BLANK OFF SECTION
CHR	CHILLED WATER RETURN	PA	PIPE ANCHOR	ODD	OPPOSED BLADE DAMPER
SS	SOIL STACK	S	STRAINER	HPU	HEAT PUMP UNIT
RD	ROOF DRAIN	BT	BOTTOM TAKE OFF	LPS	LITRE PER SECOND
RWL	RAINWATER LEADER	TO	TOP TAKE OFF	PSF	PIPE STOP FLAP
V.S.	VENT STACK	R	REDUCER	AC-1	AIR CONDITIONING UNIT
F.E.	FIRE EXTINGUISHER	U	UNION	MA-1	MAKE UP AIR UNIT
F.H.C.	FIRE HOSE CABINET	AV	AIR VENT	EP-1	EXHAUST FAN
W.C.	WATER CLOSET	PG	PRESSURE GAUGE	LP	LOUVER PENTHOUSE
U.	URINAL	T	THERMOMETER		
D.F.	DRINKING FOUNTAIN	PRV	PRESS. RED. VALVE		
L	LAVATORY	T.P.	THERMOSTAT (PNEUMATIC)		
S.H.	SHOWER	T.E.	THERMOSTAT (ELECTRIC)		
J.S.	JANITOR SINK	T.S.B.	THERM. & INSUL. SUB BASE		
B.T.	BATH TUB	T.T.G.	THERMOSTAT C/W GUARD		
K.S.	STAINLESS STEEL SINK	T.C.V.	TEMP. CONTROL VALVE		
FD	FLOOR DRAIN	FS	FLOW SWITCH		
HD	HUB DRAIN	SV	SOLENOID VALVE		
F.F.D.	FUNNEL FLOOR DRAIN	CWS	CHILLED WATER SUPPLY		
HB	HOSE BIBB	CHR	CHILLED WATER RETURN		
B.W.V.	BACK WATER VALVE	D	DRAIN		
RT	RUNNING TRAP	LWCO	L.W.C.O.		
DL	DRAIN LINE	HPS	HEAT PUMP SUPPLY		
FL	FIRE LINE	HPR	HEAT PUMP RETURN		
FB	FIRE BRACKET	BV	BUTTERFLY VALVE		
UT	URINAL TANK	S	SECTION		
E	CAPPED END	L	LIQUID LINE		

WEST FIFTH

KEY PLAN

**michael torsney
architects**

suite 202 131 john street s hamilton ontario
L8N 2C3 416 522-2494

SCALE AS NOTED	DRNRTY	JOB NO.
MOHAWK COLLEGE	8408	
STUDENT CENTRE	DATE	
HAMILTON	OCT. 84	
ONTARIO	DWG NO.	

SITE PLAN

PHASE 1

M-1

2 14/95 APPENDUM #1

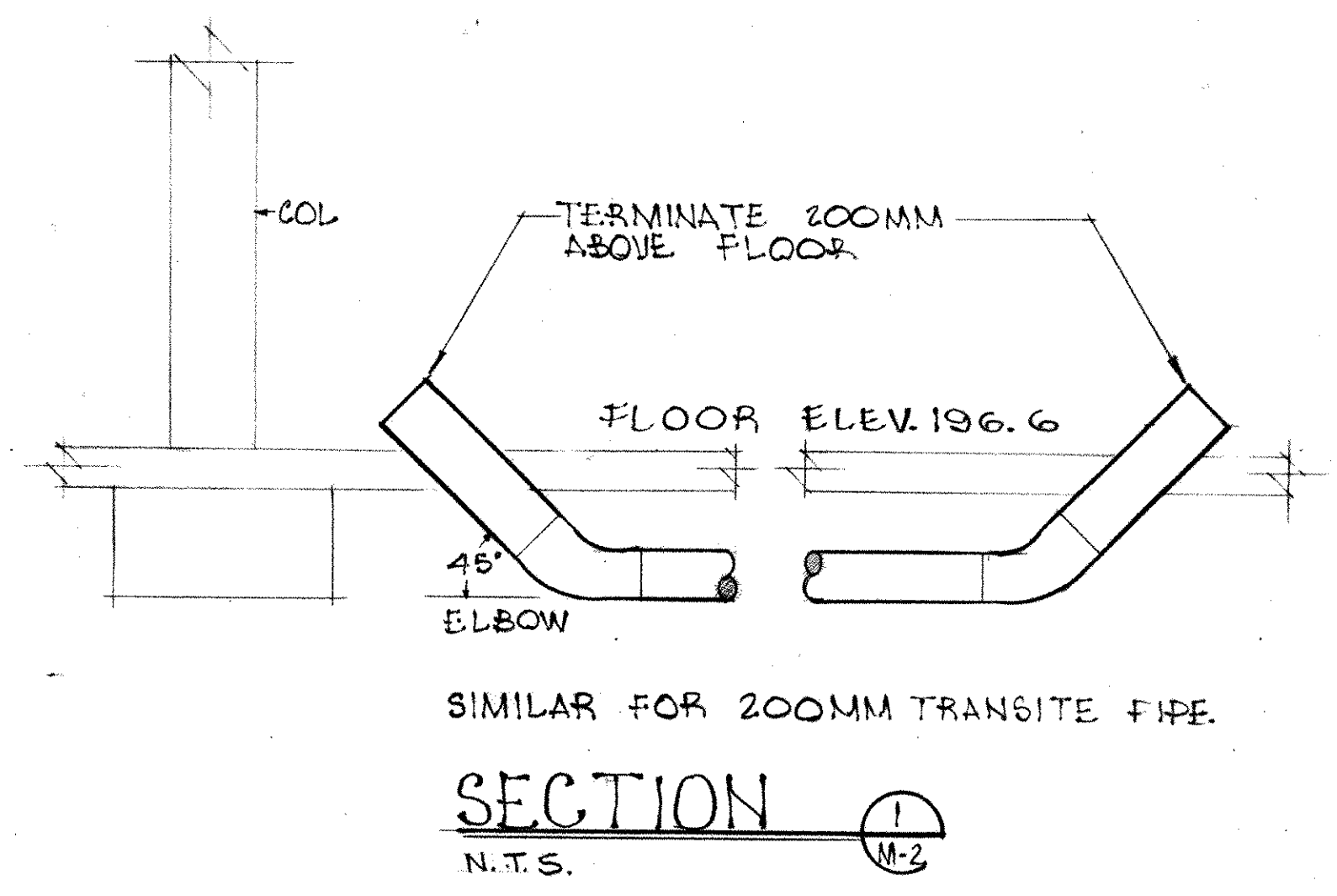
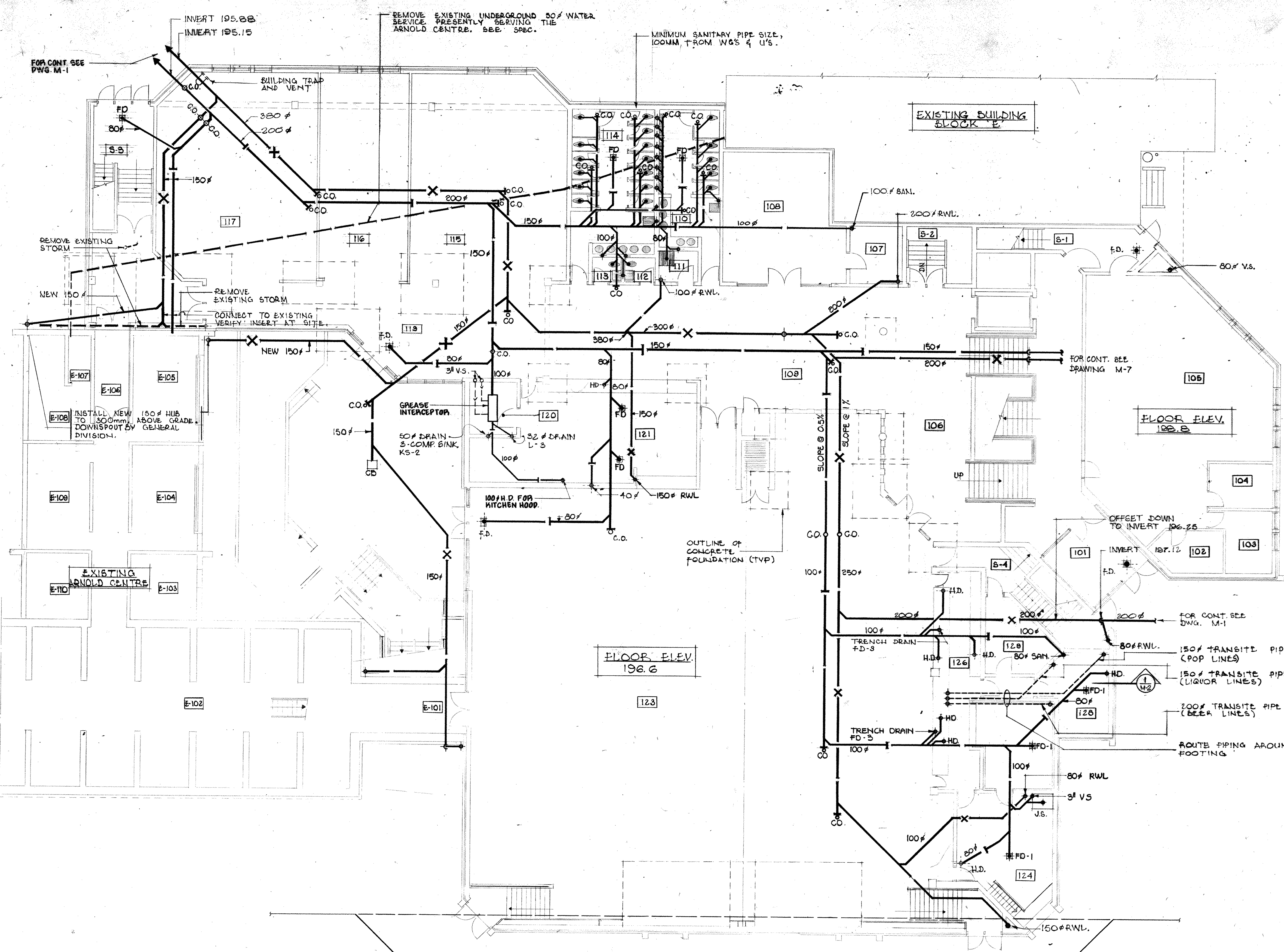
NO.	DATE	DESCRIPTION

REVISIONS

group eight engineering limited

630 main street west
hamilton ontario

L.W. 84037

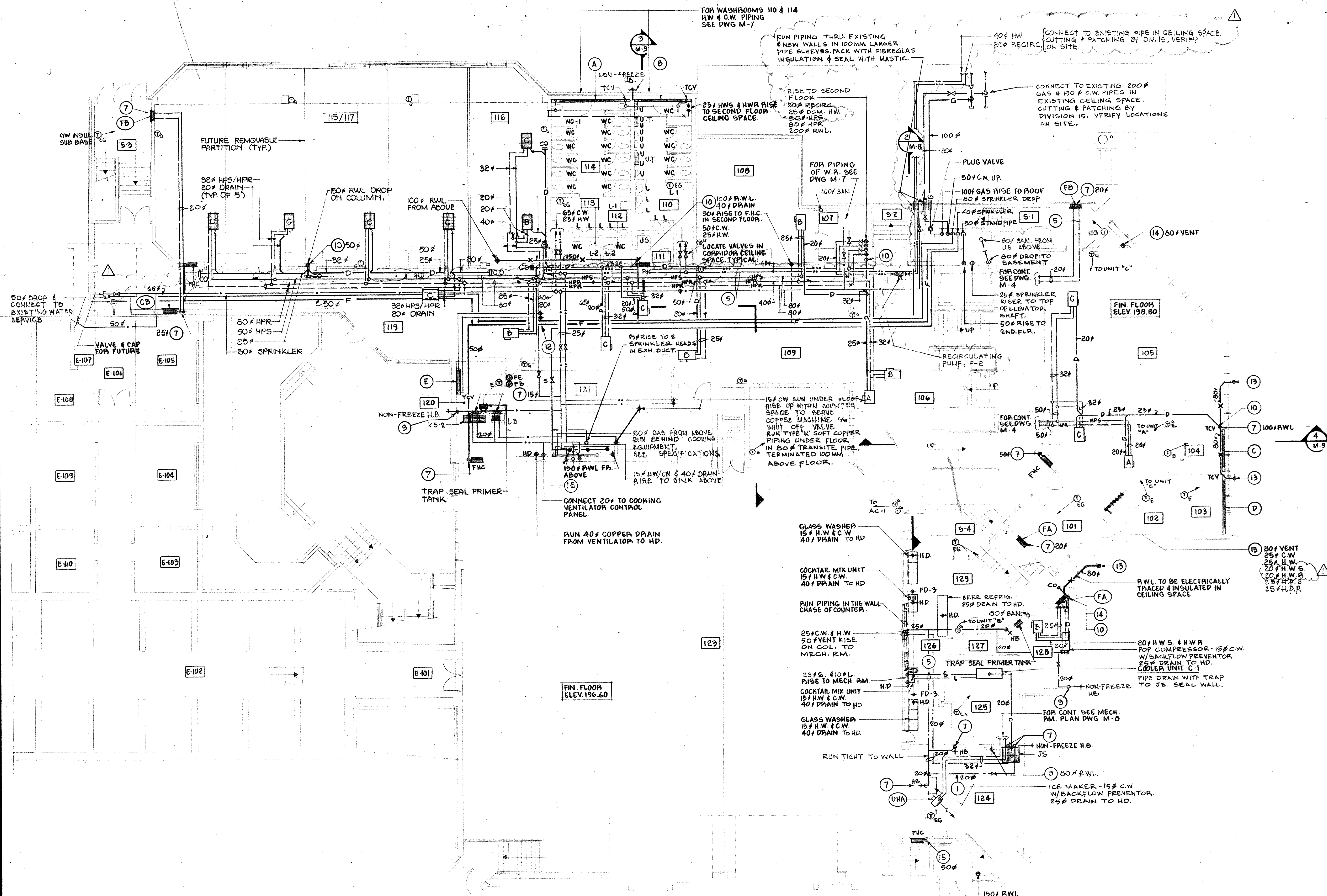


NOTE:
 UNDERFLOOR DRAINAGE PIPING SHALL NOT RUN BELOW INTERIOR COLUMN FOOTINGS.
 WHERE PIPING RUNS BELOW FOOTINGS OF INTERIOR OR EXTERIOR WALLS, INSTALL IN 100MM LARGER SLEEVE ENCASED IN CONCRETE.
 WHERE PIPING RUNS THRU EXTERIOR FOUNDATION WALLS, INSTALL IN 100MM LARGER SLEEVE.

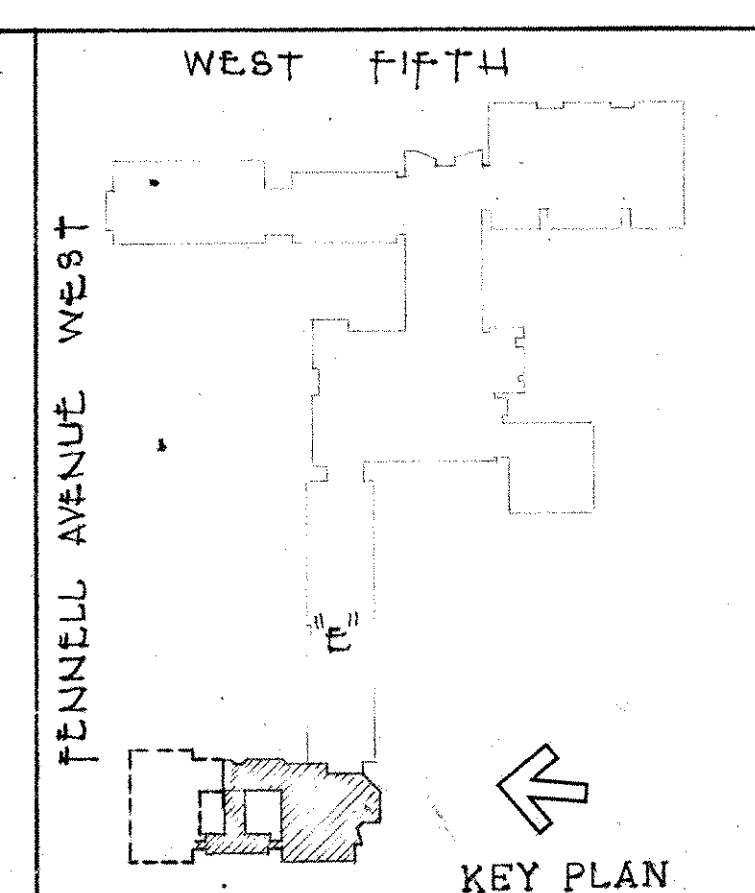
← **UNDERGROUND FLOOR PLAN - PHASE 1 - PLUMBING**
 SCALE 1:100
 NORTH

WEST FIFTH FEUNELL AVENUE WEST		michael torsney architects suite 202 131 john street s. hamilton ontario L8N 2C3 416 522-2494	
SCALE AS NOTED	DRN. 8443	JOB NO.	8403
MOHAWK COLLEGE	STUDENT CENTRE	DATE	OCT 84
HAMILTON ONTARIO	UNDERGROUND FL. PLAN	DWG. NO.	M-2
PLUMBING	PHASE	1	
3 2/5/86 REVISED TO AS-BUILT 2 14/3/85 APPENDIX #1			
NO. DATE DESCRIPTION REVISIONS			

- NOTES:**
- (1) RUN THROUGH OWSJ
 - (2) RUN BENEATH OWSJ
 - (3) RUN BETWEEN OWSJ
 - (4) RUN BELOW BEAM
 - (5) RUN IN CEILING SPACE
 - (6) RUN UNDER FLOOR
 - (7) DROP IN WALL
 - (8) DROP IN FURRING
 - (9) DROP DOWN WALL EXPOSED
 - (10) CONNECT TO R/WL
 - (11) MOUNT HEAT PUMP BETWEEN OWSJ
 - (12) RISE TO SECOND FLOOR CEILING SPACE
 - (13) CONNECT TO GUTTER DRAIN
 - (14) DROP IN VOID
 - (15) RISE IN WALL
 - (16) RUN IN CEILING SPACE BELOW
 - (17) RUN EXPOSED AT CEILING



FIRST FLOOR PLAN - PHASE 1 - PLUMBING & HEATING
 SCALE: 1:100
 NOTE: FOR THERMOSTAT LOCATIONS SEE DWG. M-5



michael torsney architects

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 L8N 2C3 416 522-2494

SCALE AS NOTED DRN.R.T.Y. JOB NO. 8408

MOHAWK COLLEGE STUDENT CENTRE HAMILTON ONTARIO DATE OCT. 84 DWG NO. M-3

FIRST FLOOR PLAN PLUMBING AND HEATING PHASE I

REVISIONS

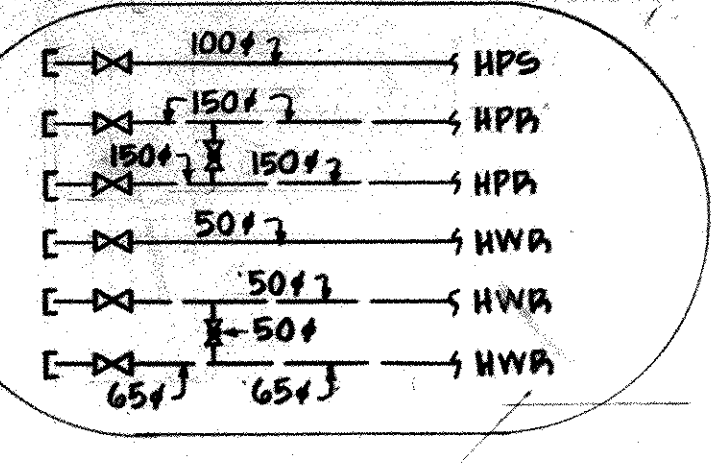
3	2/5/84	REVISED TO AS-BUILT
2	14/3/85	ADDENDUM #1
1	16/1/86	NOTICE OF CHANGE NO 2
NO.	DATE	DESCRIPTION

group eight engineering limited
 630 main street east
 hamilton ontario

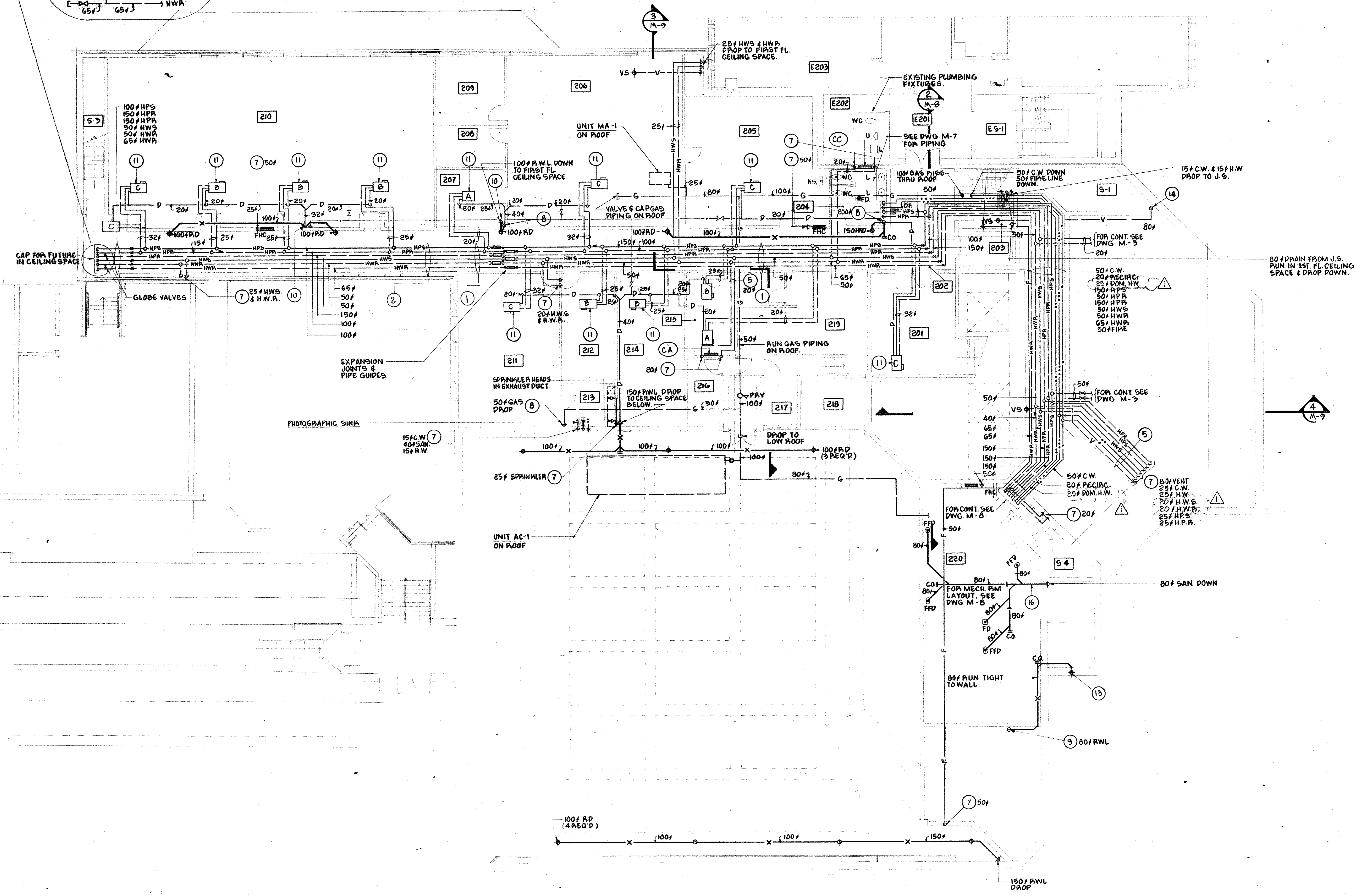
PROFESSIONAL ENGINEER
 MECHANICAL
 W.M. CARE

PROFESSIONAL ARCHITECT
 MICHAEL J. TORSNEY
 ARCHITECT

L.W. 84037



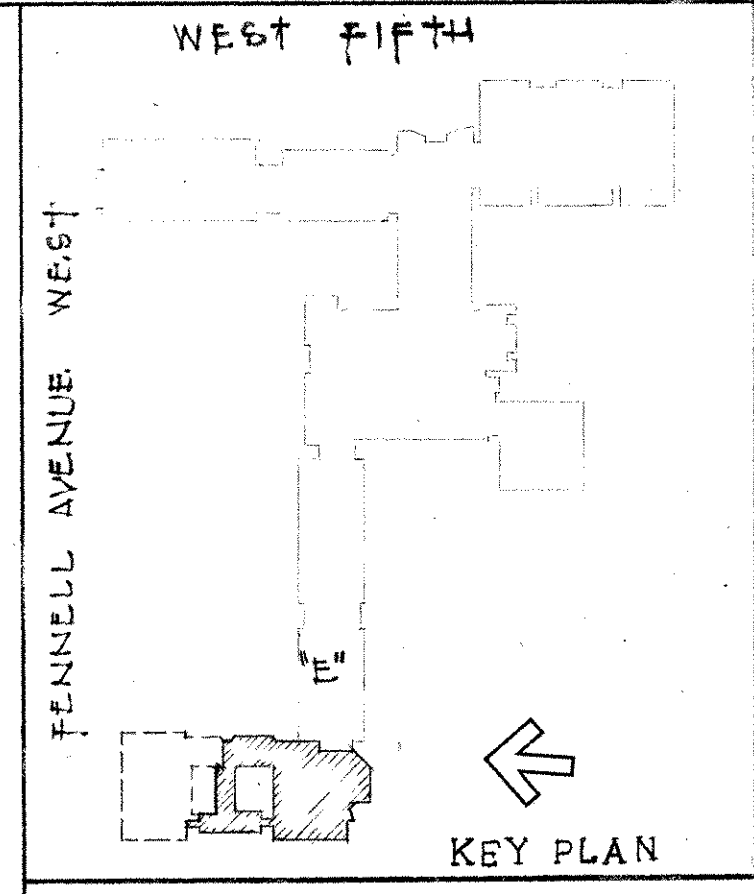
- NOTES:**
- (1) RUN THROUGH OWSJ
 - (2) RUN BENEATH OWSJ
 - (3) RUN BETWEEN OWSJ
 - (4) RUN BELOW BEAM
 - (5) RUN IN CEILING SPACE
 - (6) RUN UNDER FLOOR
 - (7) DROP IN WALL
 - (8) DROP IN FURRING
 - (9) DROP DOWN WALL EXPOSED
 - (10) CONNECT TO R/W
 - (11) MOUNT HEAT PUMP BETWEEN OWSJ
 - (12) RISE TO SECOND FLOOR CEILING SPACE
 - (13) CONNECT TO GUTTER DRAIN
 - (14) DROP IN VOID
 - (15) RISE IN WALL
 - (16) RUN IN CEILING SPACE BELOW
 - (17) RUN EXPOSED AT CEILING



← SECOND FLOOR PLAN - PHASE 1 - PLUMBING & HEATING
SCALE: 1:100



NOTE: FOR THERMOSTAT LOCATIONS SEE DWG. M-6



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SCALE AS NOTED	DRN.R.T.Y.	JOB NO
MOHAWK COLLEGE	8408	
STUDENT CENTRE	DATE	
HAMILTON ONTARIO	02.24	
SECOND FLOOR PLAN	DWG. NO	
PLUMBING AND HEATING		
PHASE 1		M-4

NO.	DATE	DESCRIPTION
3	12/5/86	REVISED TO AS-BUILT
2	14/3/86	ADDENDUM #1
1	16/1/86	NOTICE OF CHANGE #2

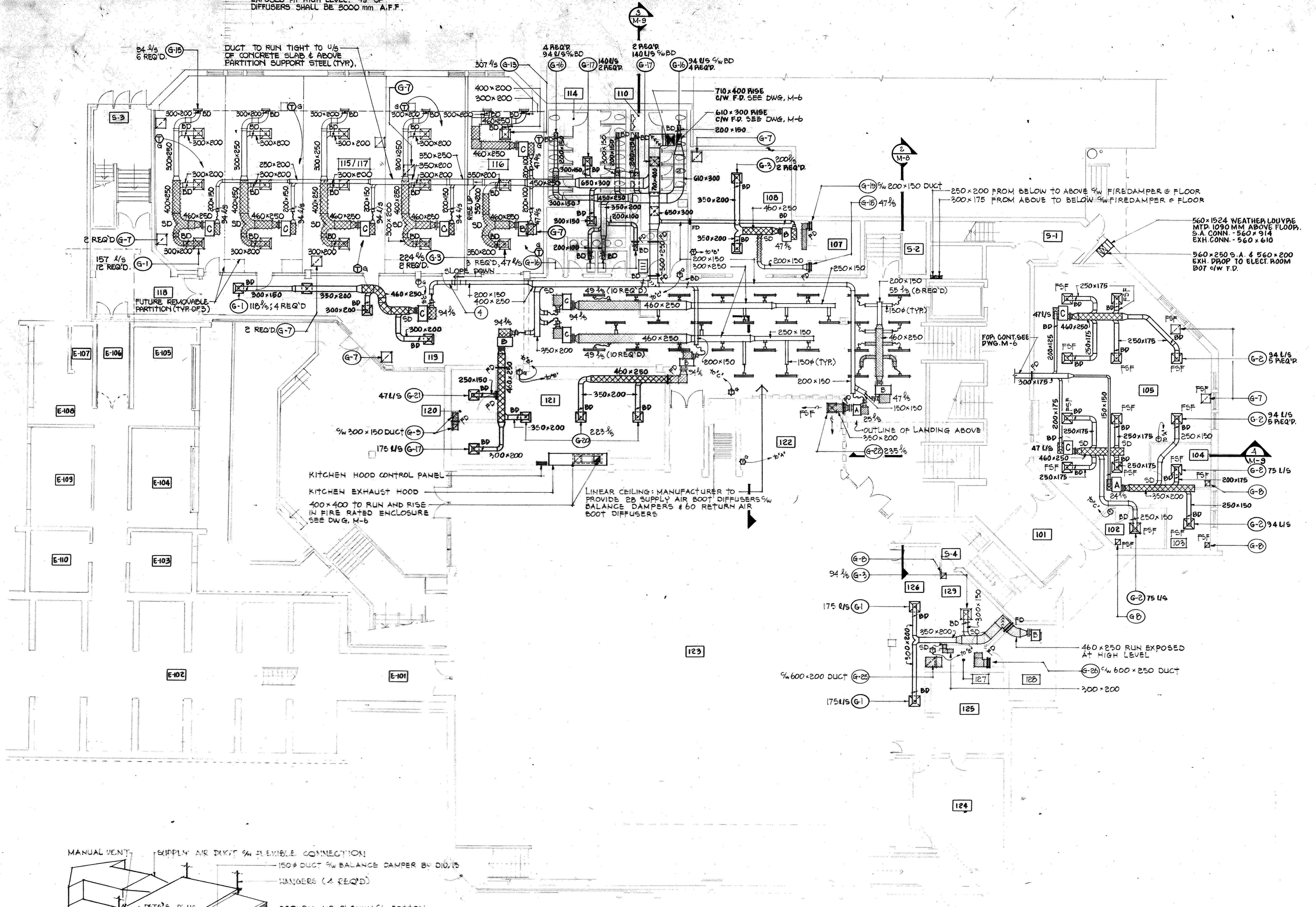
group eight engineering limited
830 main street east
hamilton ontario

MICHAEL J. TORSNEY
REGISTERED PROFESSIONAL ARCHITECT

L.N. 84087

NOTE: ALL DUCTWORK & EQUIPMENT SHALL RUN EXPOSED AT HIGH LEVEL. 4/5 OF DIFFUSERS SHALL BE 3000 mm A.F.F.

- NOTES:
- (1) RUN THROUGH OWSJ
 - (2) RUN BENEATH OWSJ
 - (3) RUN BETWEEN OWSJ
 - (4) RUN BELOW BEAM
 - (5) RUN IN CEILING SPACE
 - (6) RUN UNDER FLOOR
 - (7) DROP IN WALL
 - (8) DROP IN FURRING
 - (9) DROP DOWN WALL EXPOSED
 - (10) CONNECT TO RHL
 - (11) MOUNT HEAT PUMP BETWEEN OWSJ
 - (12) RISE TO SECOND FLOOR CEILING SPACE
 - (13) CONNECT TO GREY DRAIN
 - (14) DROP IN VOID
 - (15) RISE IN WALL
 - (16) RUN IN CEILING SPACE BELOW
 - (17) RUN EXPOSED AT CEILING

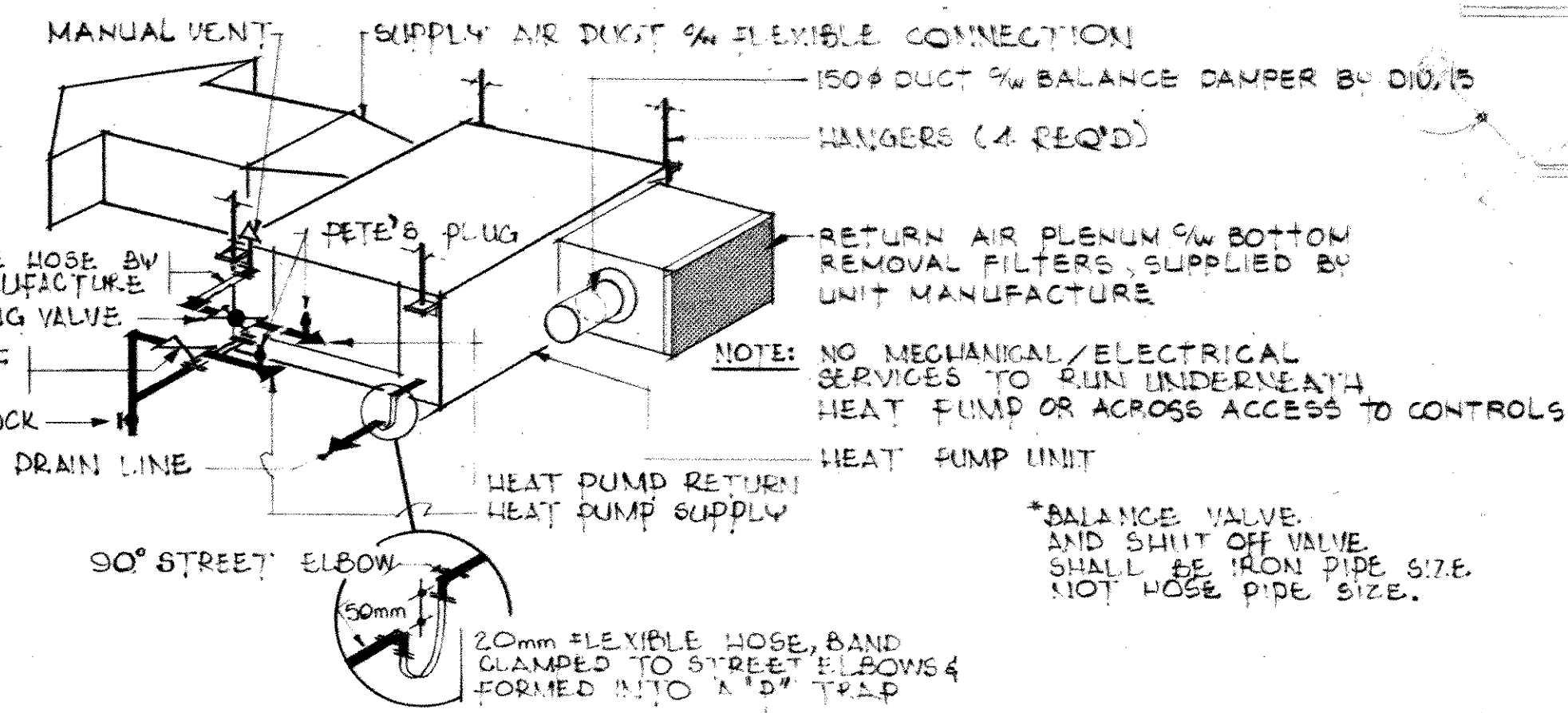


KITCHEN HOOD CONTROL PANEL
KITCHEN EXHAUST HOOD
400x400 TO RUN AND RISE IN FIRE RATED ENCLOSURE SEE DWG. M-6

LINEAR CEILING: MANUFACTURER TO PROVIDE 20 SUPPLY AIR BOOT DIFFUSERS w/ BALANCE DAMPERS & 60 RETURN AIR BOOT DIFFUSERS

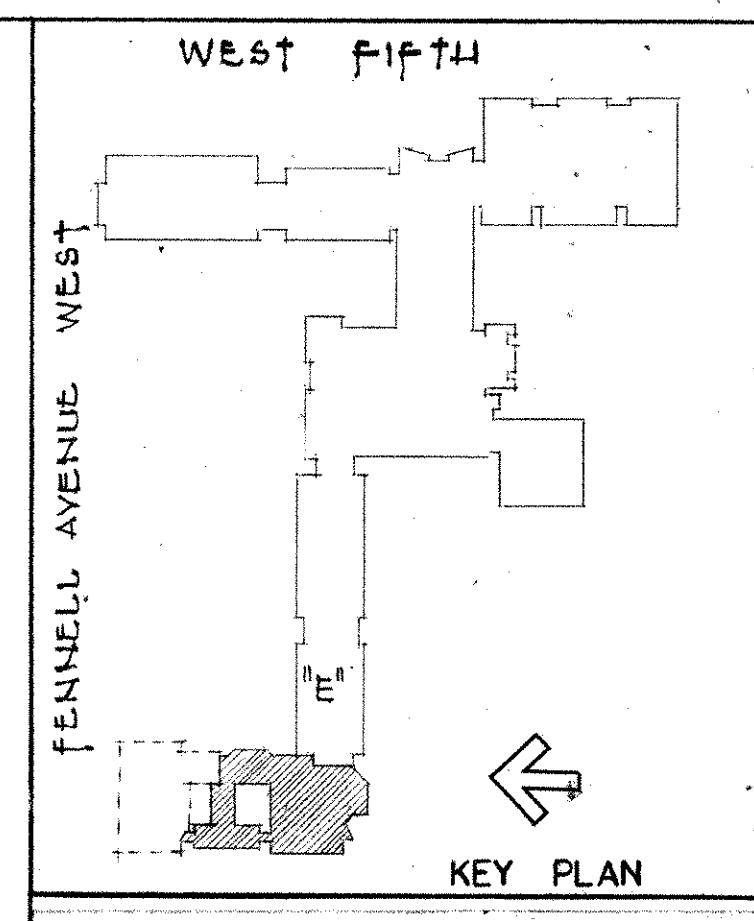
560x1524 WEATHER LDUYPE MTP. 1090 MM ABOVE FLOOR. S.A. CONN. - 560x914 EXH. CONN. - 560x610

560x250 S.A. & 560x200 EXH. DROP TO ELECT. ROOM B07 w/ W.F.D.



HEAT PUMP DETAIL
NTS.

FIRST FLOOR PLAN - PHASE 1 - H.V. / A.C.
SCALE: 1:100
NORTH



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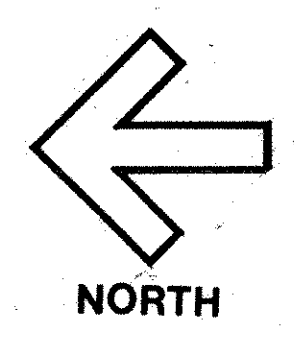
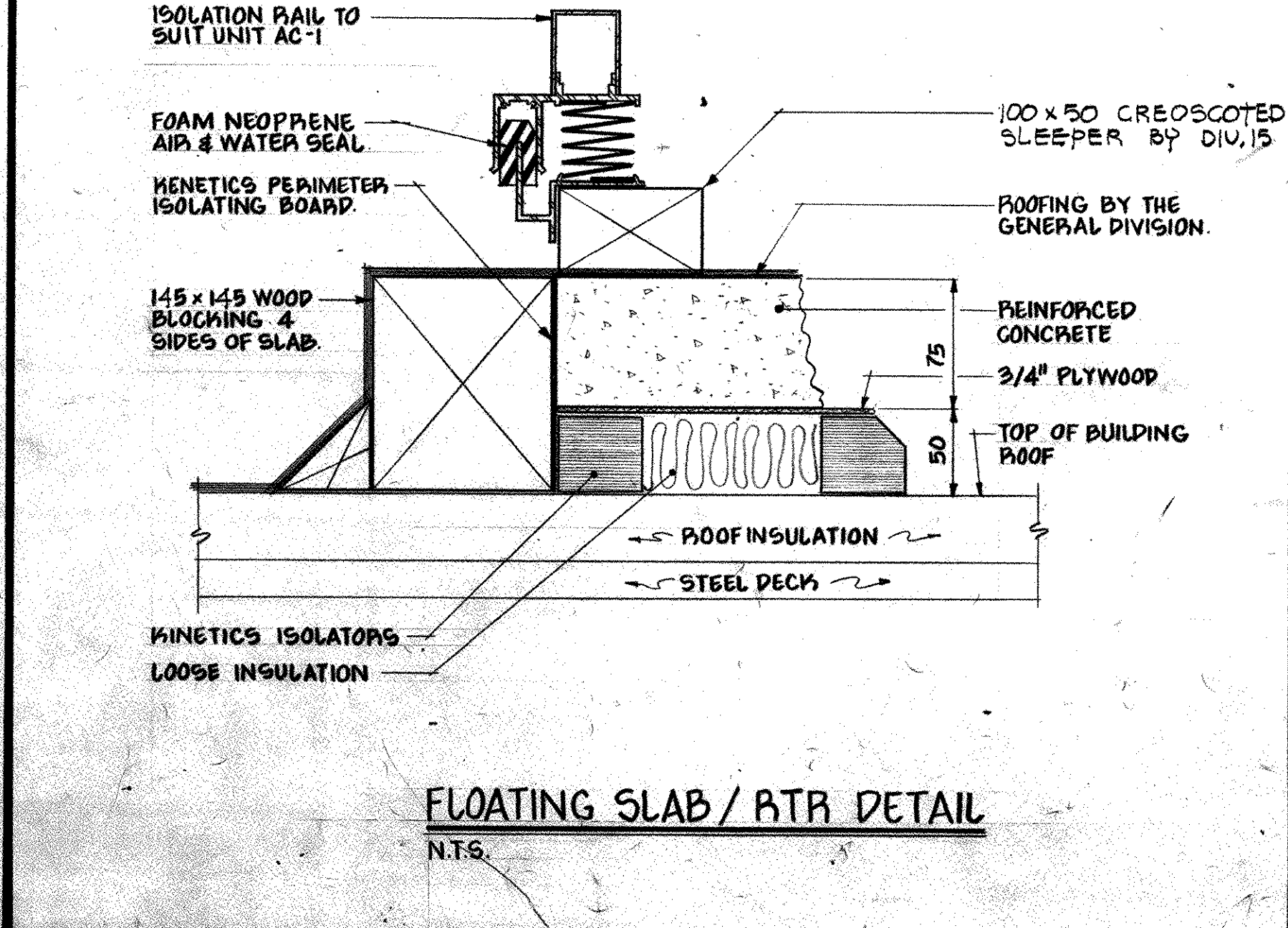
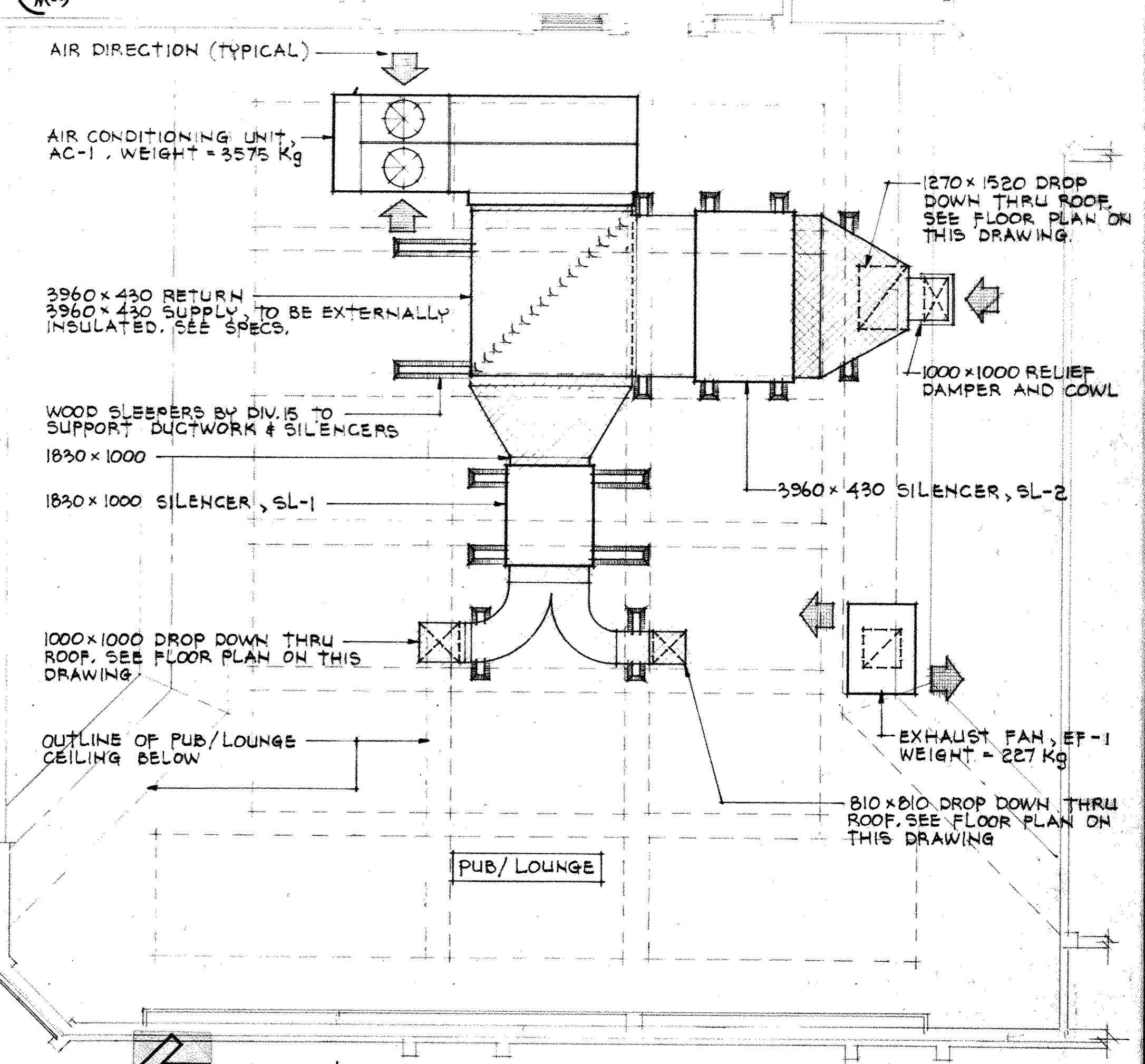
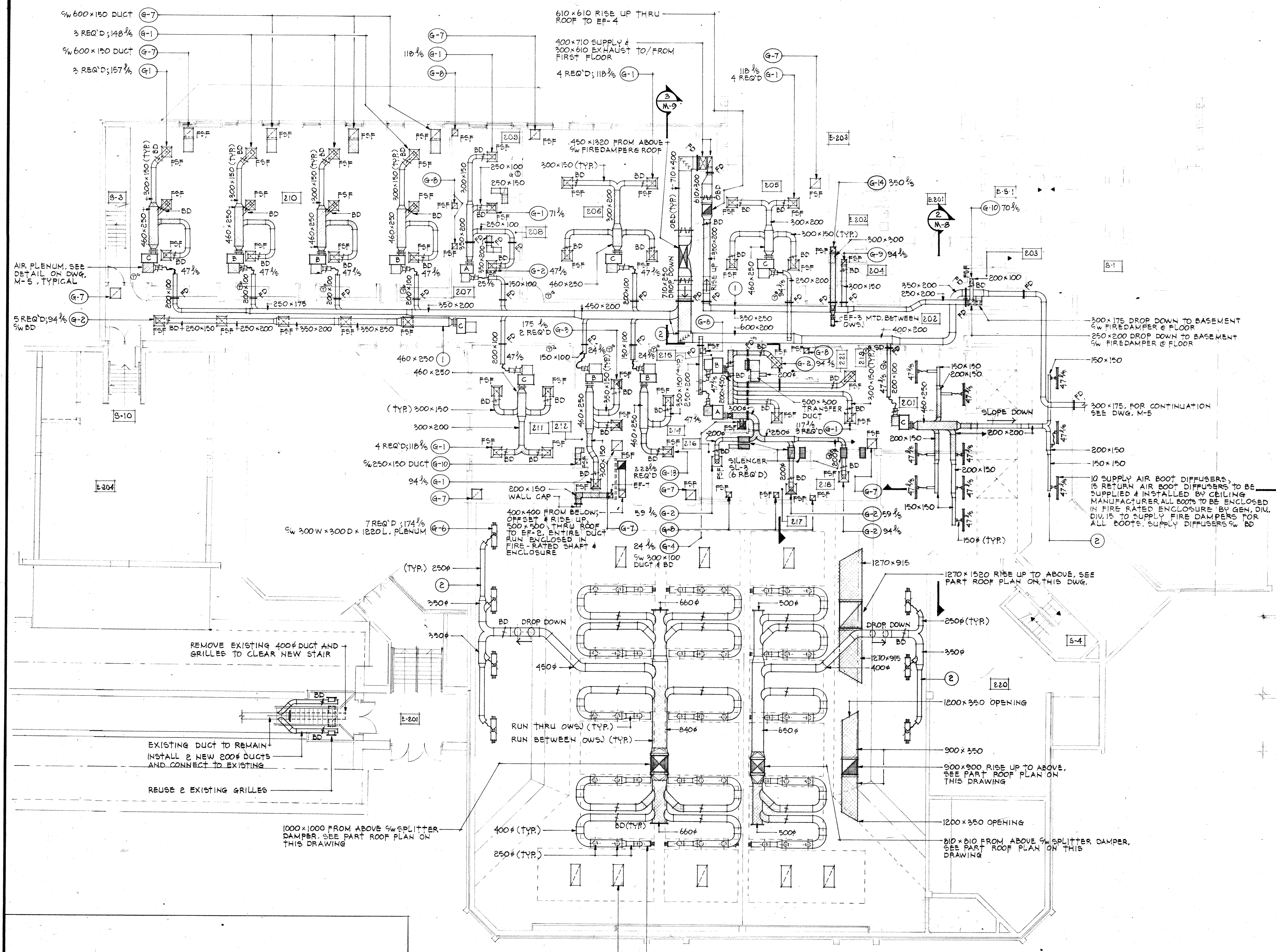
SCALE AS NOTED	DRN.R.T.Y.	JOB NO.
		8403
MOHAWK COLLEGE STUDENT CENTRE HAMILTON ONTARIO		DATE
		OCT. 84
FIRST FLOOR PLAN		DWG. NO.
PHASE	I	M-5

NO.	DATE	DESCRIPTION
3	8/5/84	REVISED TO AS-BUILT
2	14/3/85	APPENDIX #1

REVISIONS

group eight engineering limited
630 main street east
hamilton ontario

MICHAEL J. TORSNEY
REGISTERED PROFESSIONAL ARCHITECT
MEMBER
L.W. 84037

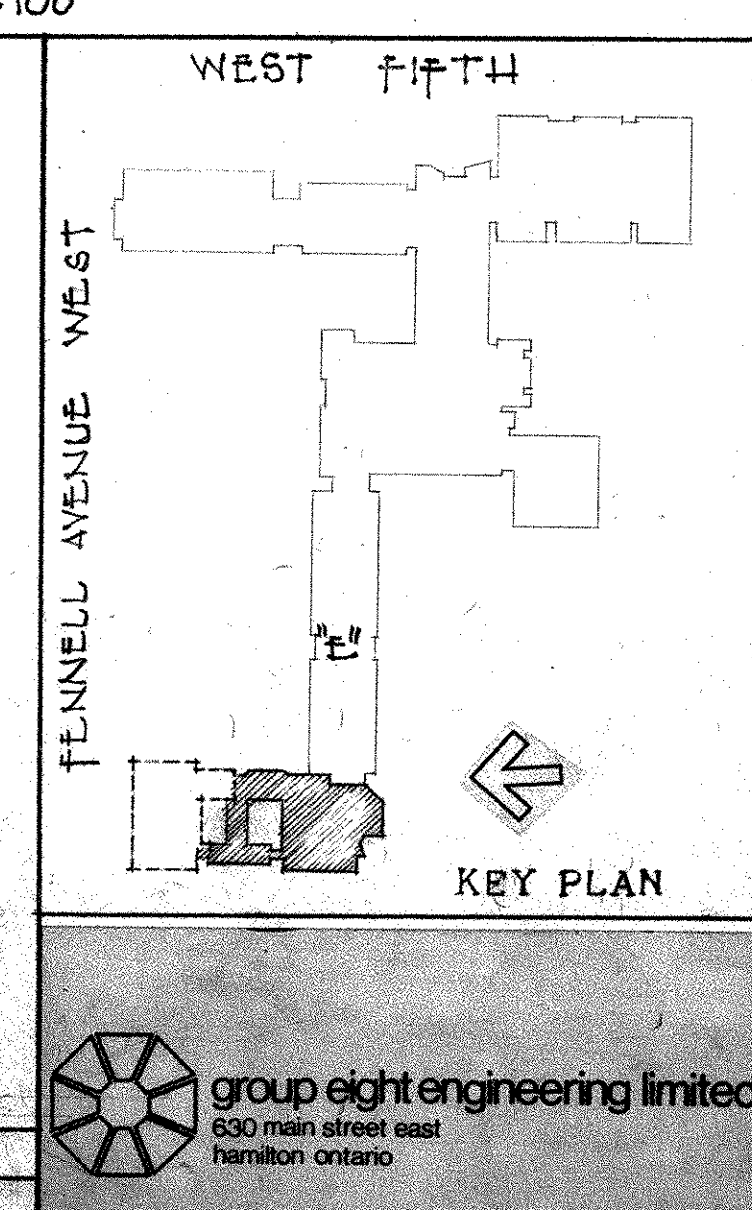


SECOND FLOOR PLAN-PHASE 1- H.V.A/C.
SCALE = 1:100

NOTE: ALL HEAT PUMP UNITS AND ASSOCIATED DUCTWORK TO RUN CONCEALED IN CEILING SPACE, BETWEEN OR THROUGH O.W.S.J., UNLESS OTHERWISE NOTED

- NOTES:**
- (1) RUN THROUGH OWSJ
 - (2) RUN BENEATH OWSJ
 - (3) RUN BETWEEN OWSJ
 - (4) RUN BELOW BEAM
 - (5) RUN IN CEILING SPACE
 - (6) RUN UNDER FLOOR
 - (7) DROP IN WALL
 - (8) DROP IN FURRING
 - (9) DROP DOWN WALL EXPOSED
 - (10) CONNECT TO RHL
 - (11) MOUNT HEAT PUMP BETWEEN OWSJ
 - (12) RISE TO SECOND FLOOR CEILING SPACE
 - (13) CONNECT TO GUTTER DRAIN
 - (14) DROP IN VOID
 - (15) RISE IN WALL
 - (16) RUN IN CEILING SPACE BELOW
 - (17) RUN EXPOSED ON CEILING

NO.	DATE	APPENDUM #1	DESCRIPTION
2	14/3/85		



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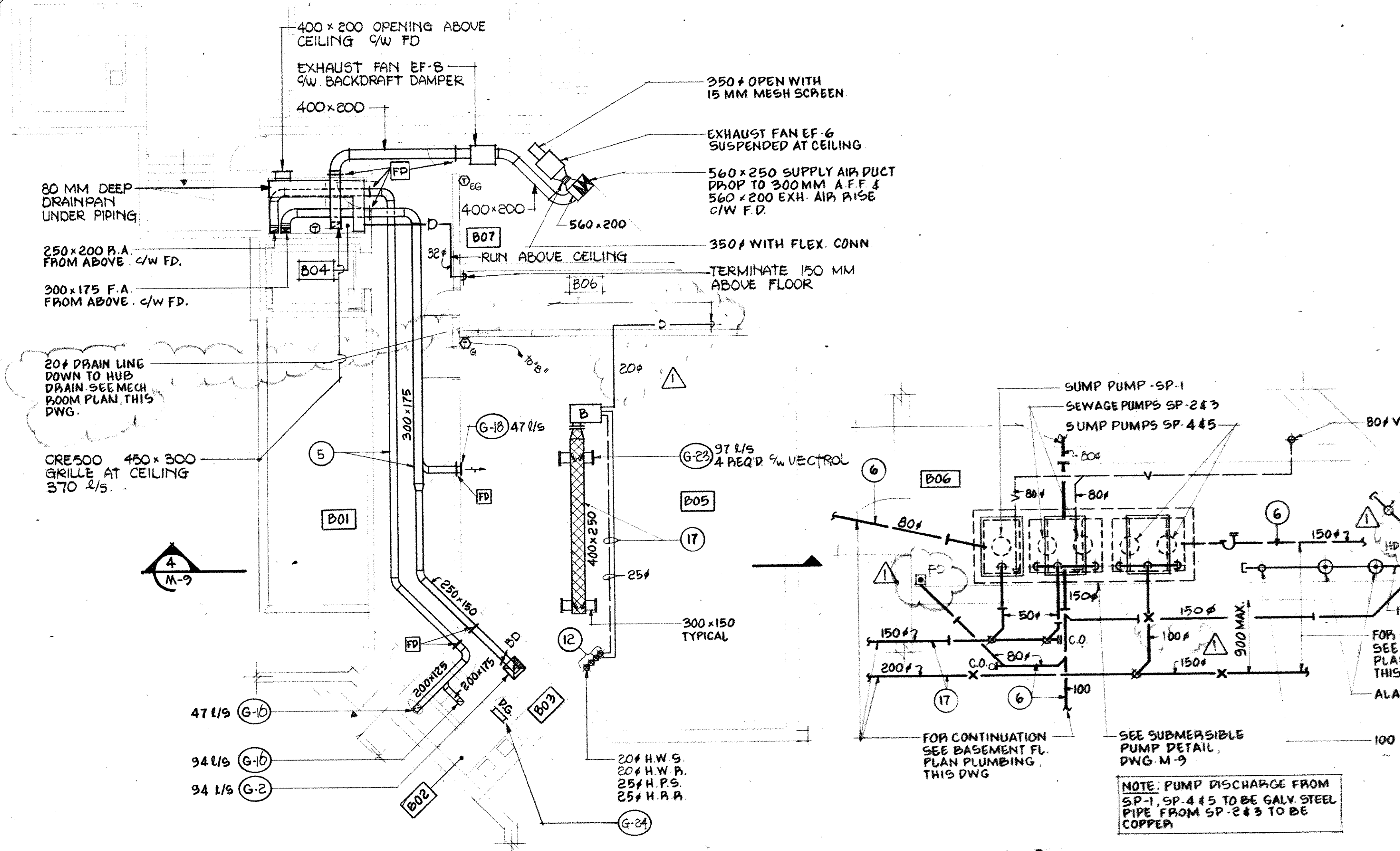
SCALE AS NOTED DRN. EK JOB NO. 8408
 MOHAWK COLLEGE STUDENT CENTRE HAMILTON ONTARIO
 H.V. A/C PHASE I M-6

DATE OCT. 84
 DWG. NO. M-6

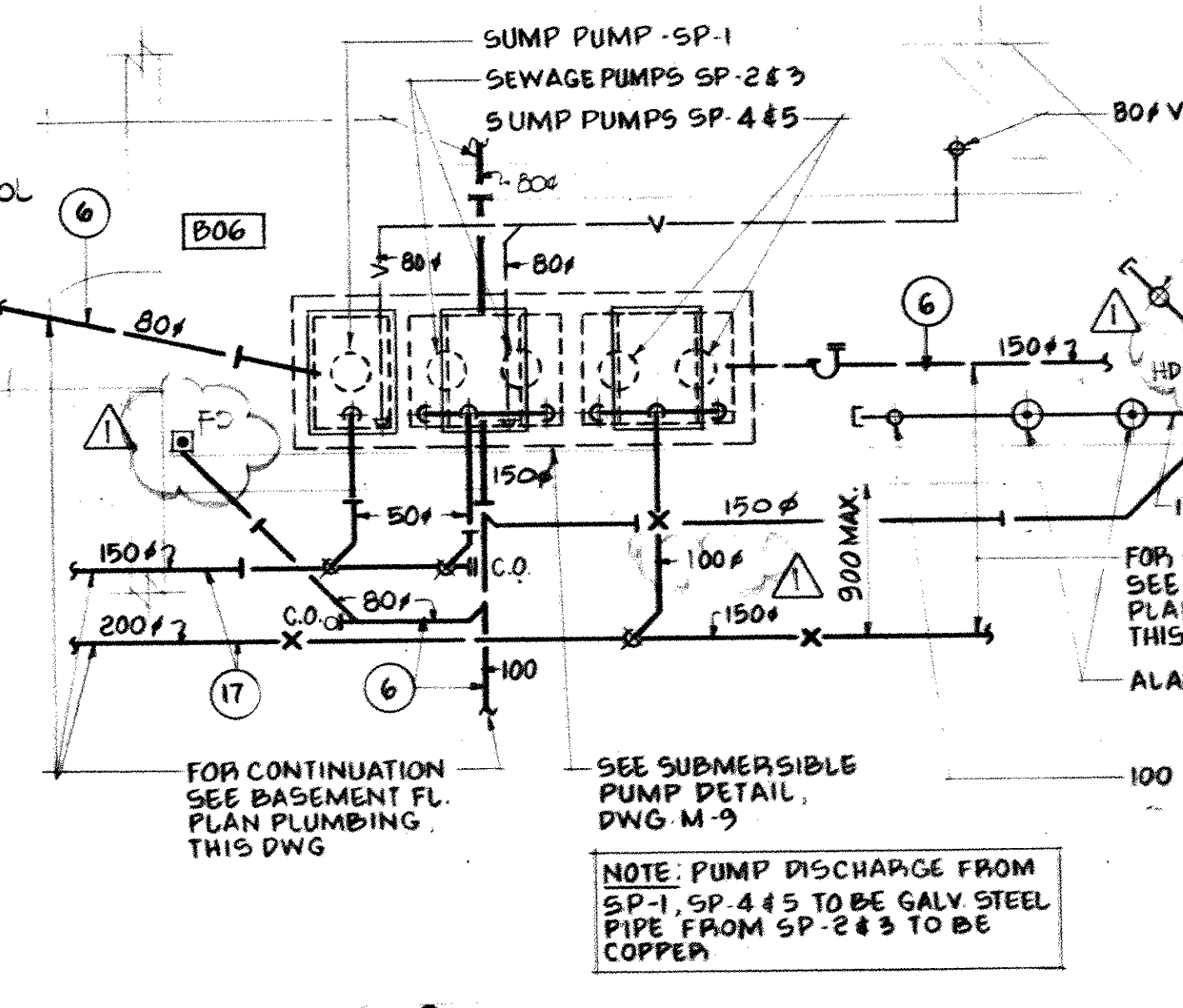
group eight engineering limited
 630 main street east hamilton ontario

PROFESSIONAL ENGINEER
 MICHAEL J. TORSEY
 ARCHITECT

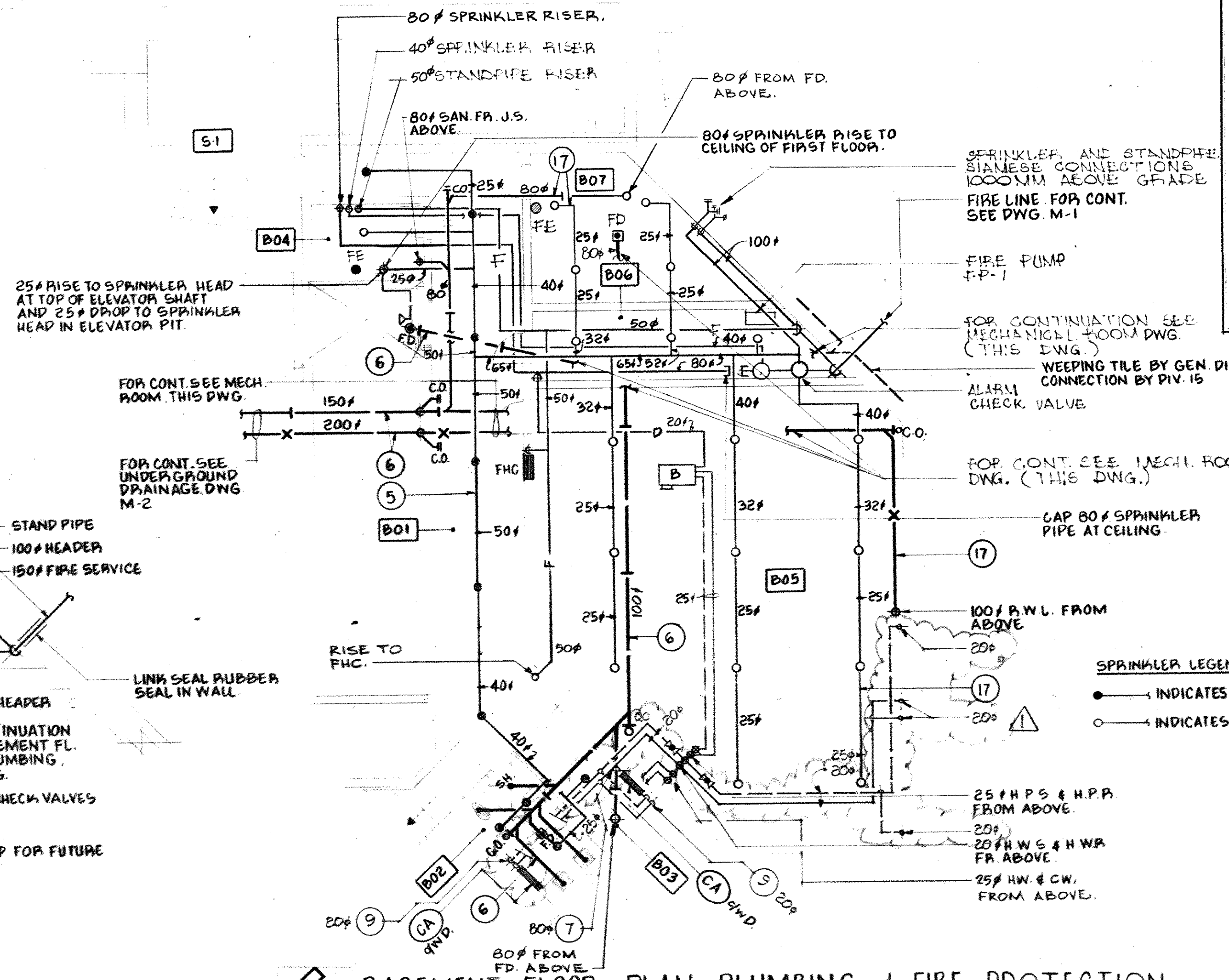
- NOTES:**
- (1) RUN THROUGH OWSJ
 - (2) RUN BENEATH OWSJ
 - (3) RUN BETWEEN OWSJ
 - (4) RUN BELOW BEAM
 - (5) RUN IN CEILING SPACE
 - (6) RUN UNDER FLOOR
 - (7) DROP IN WALL
 - (8) DROP IN FURRING
 - (9) DROP DOWN WALL EXPOSED
 - (10) CONNECT TO R/W
 - (11) MOUNT HEAT PUMP BETWEEN OWSJ
 - (12) RISE TO SECOND FLOOR CEILING SPACE
 - (13) CONNECT TO GUTTER DRAIN
 - (14) DROP IN VOID
 - (15) RISE IN WALL
 - (16) RUN IN CEILING SPACE BELOW
 - (17) RUN EXPOSED AT CEILING



BASEMENT FLOOR PLAN - H.V./A.C.
SCALE: 1:100

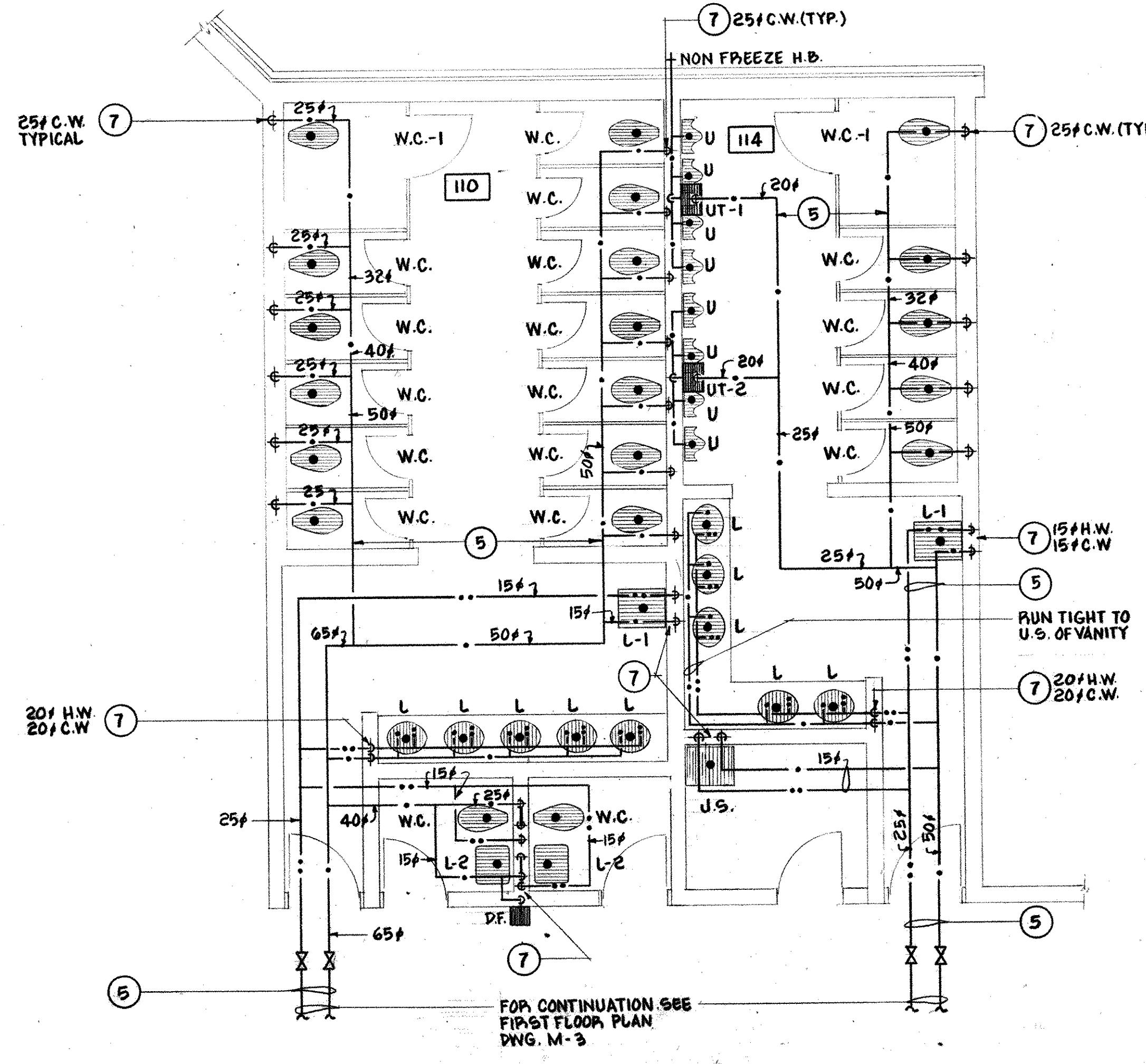


MECH. ROOM PLAN - B06
SCALE: 1:50

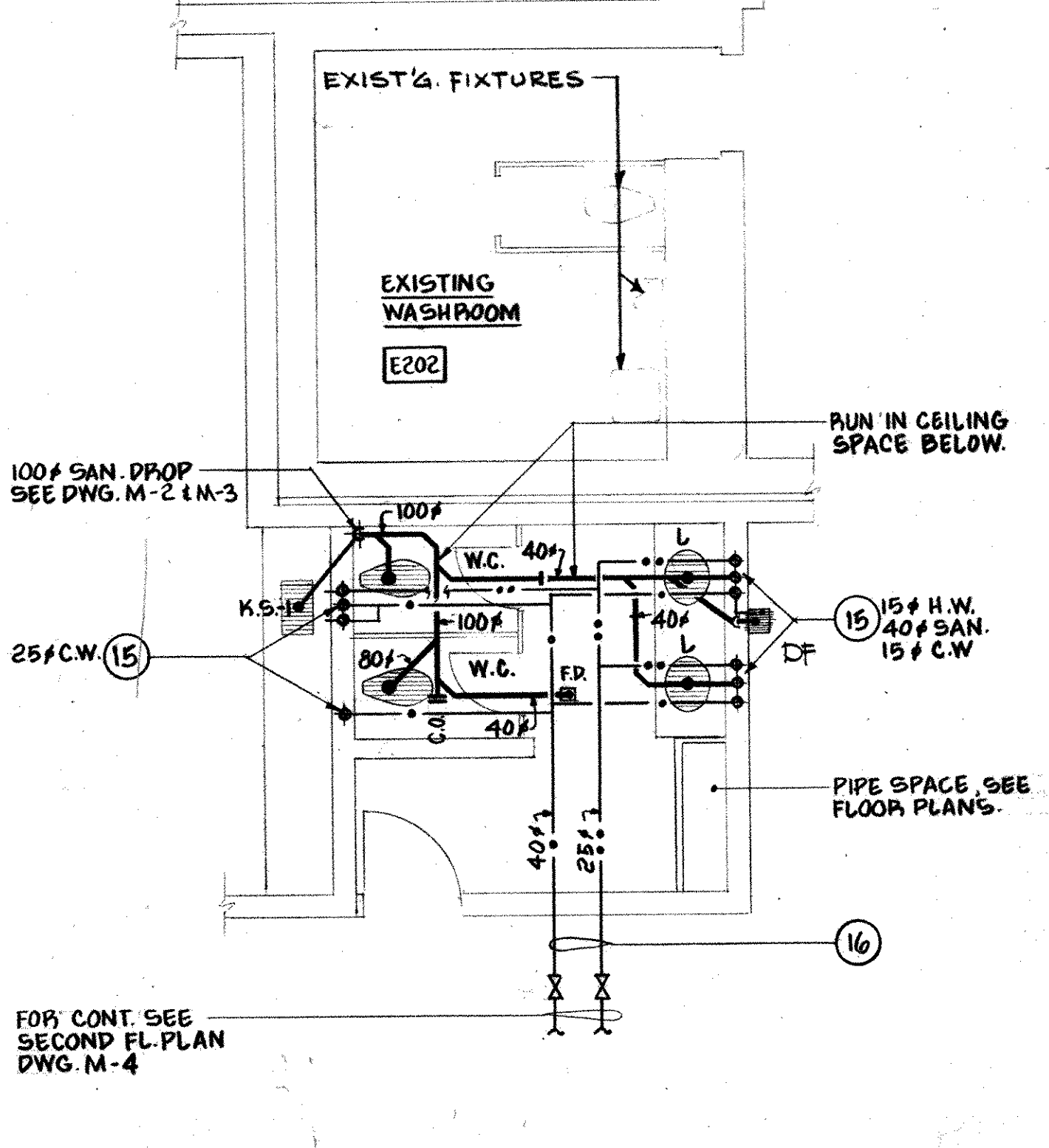


BASEMENT FLOOR PLAN - PLUMBING & FIRE PROTECTION
SCALE: 1:100

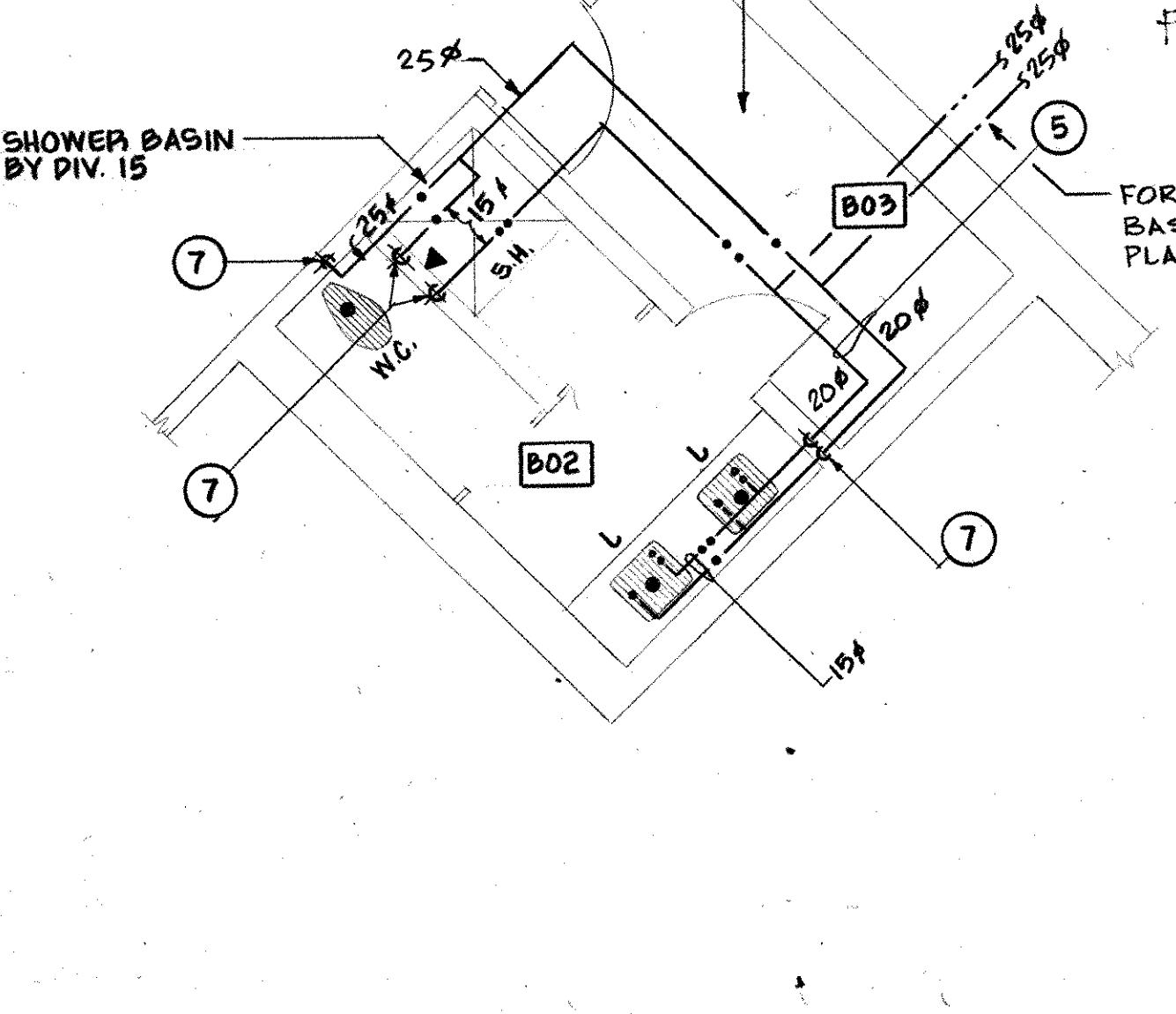
- SPRINKLER LEGEND**
- INDICATES UPRIGHT HEAD
 - INDICATES PENDENT HEAD



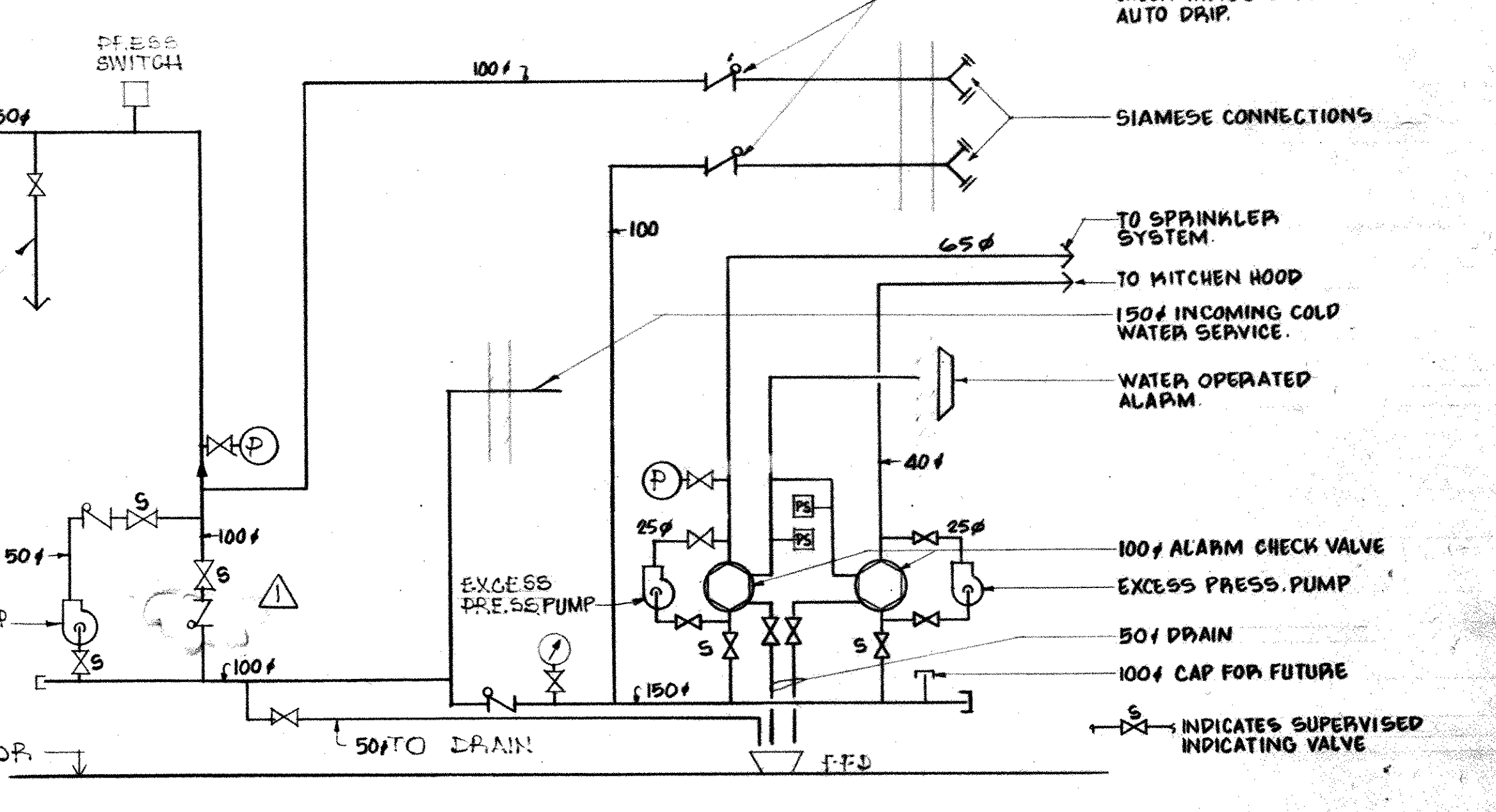
FIRST FLOOR WASHROOMS 110 & 114 - PLUMBING
SCALE: 1:50



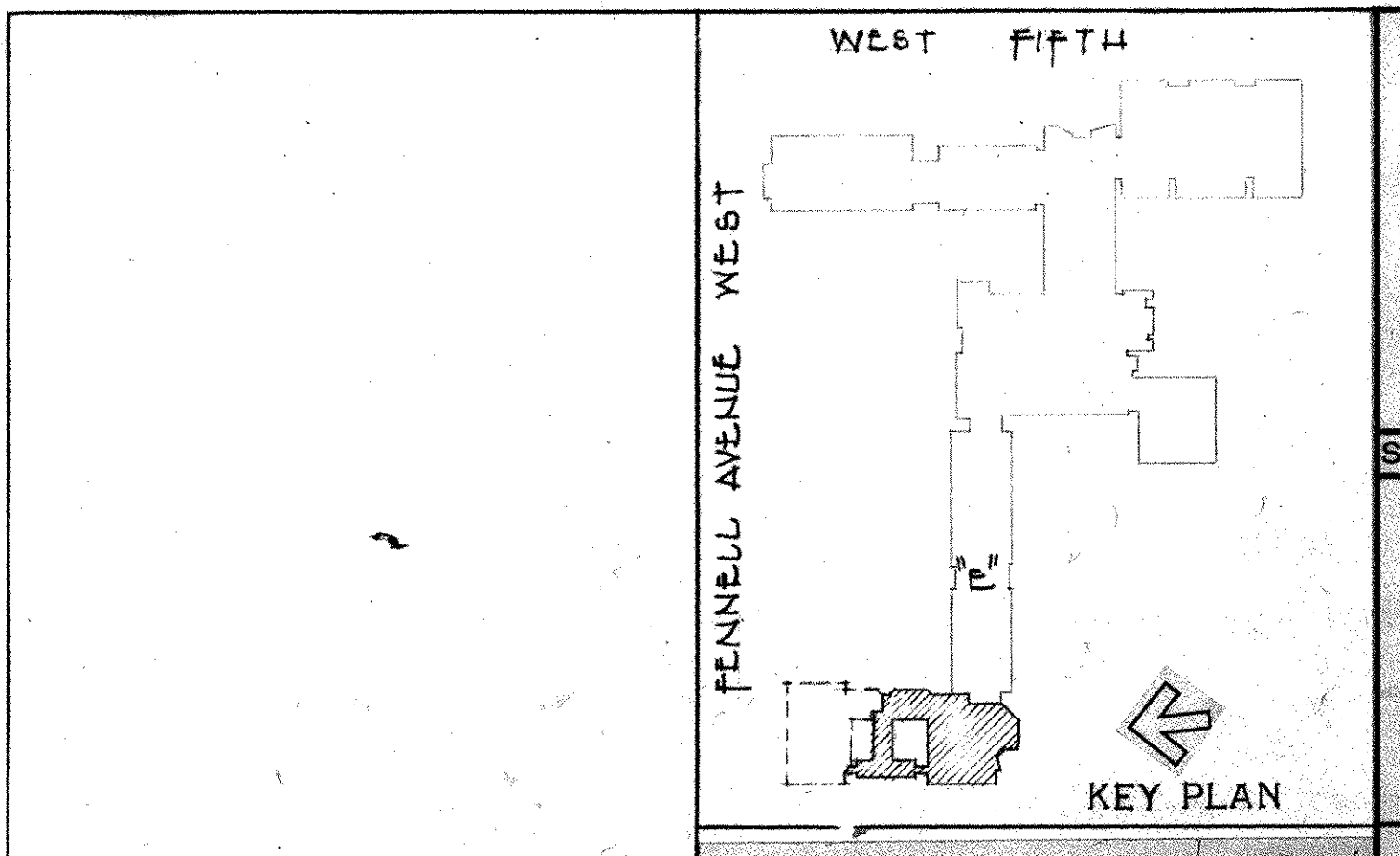
SECOND FLOOR WASHROOM 204 - PLUMBING
SCALE: 1:50



BASEMENT WASHROOM B02 - PLUMBING
SCALE: 1:50



SPRINKLER & STANDPIPE SCHEMATIC
N.T.S.



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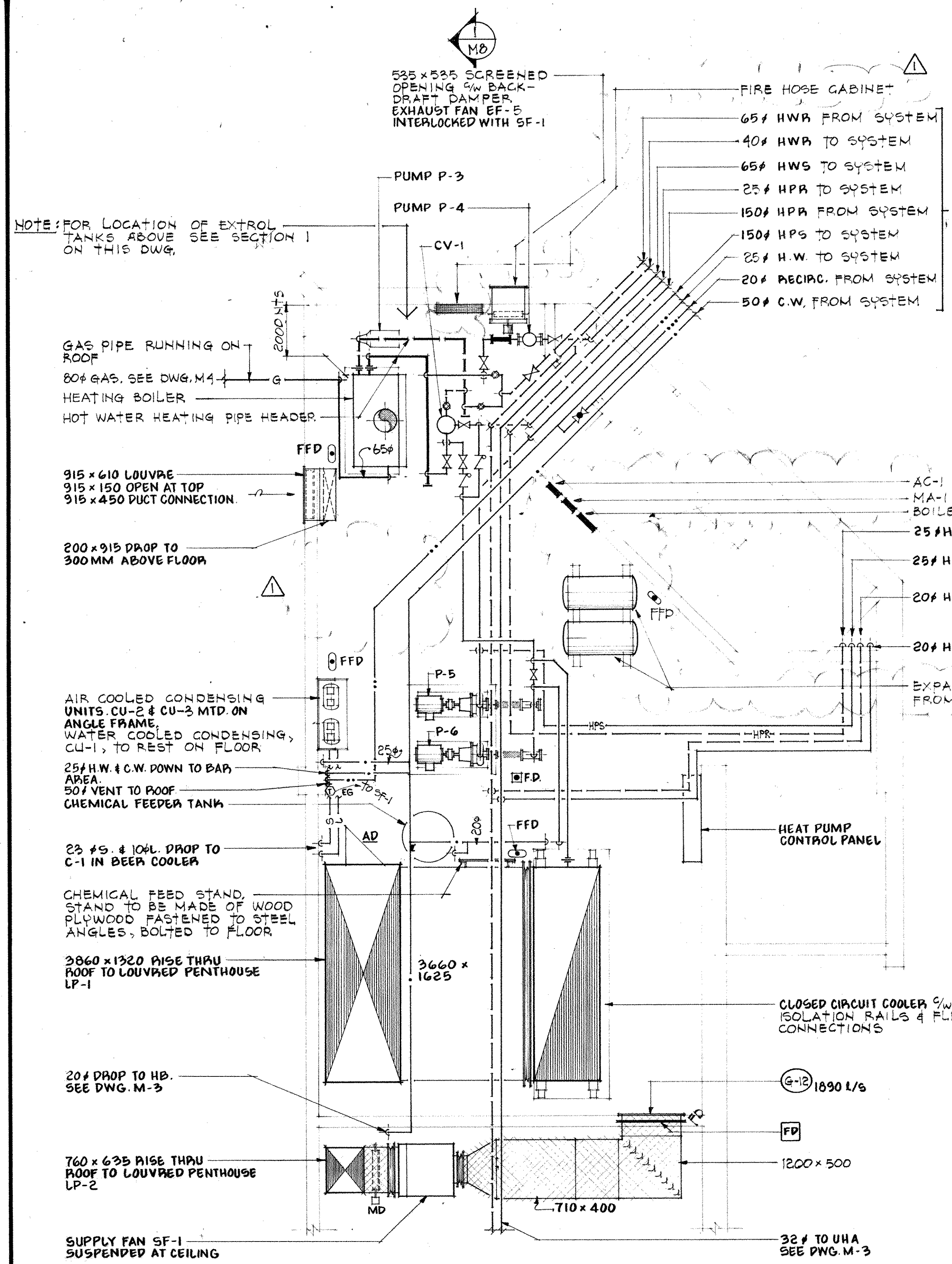
SCALE AS NOTED	DRN RTY	JOB NO.
MOHAWK COLLEGE	8403	DATE
STUDENT CENTRE	15/1/8	DATE
HAMILTON ONTARIO	05/1/8	DWG. NO.
BASEMENT FLOOR PLAN		
PLUMBING AND H.V.A.C.		
PHASE	1	

REVISIONS

NO.	DATE	DESCRIPTION
3	02/05/04	REVISED TO AS BUILT
2	14/3/05	APPENDUM #1
1	15/1/08	NOTICE OF CHANGE #2

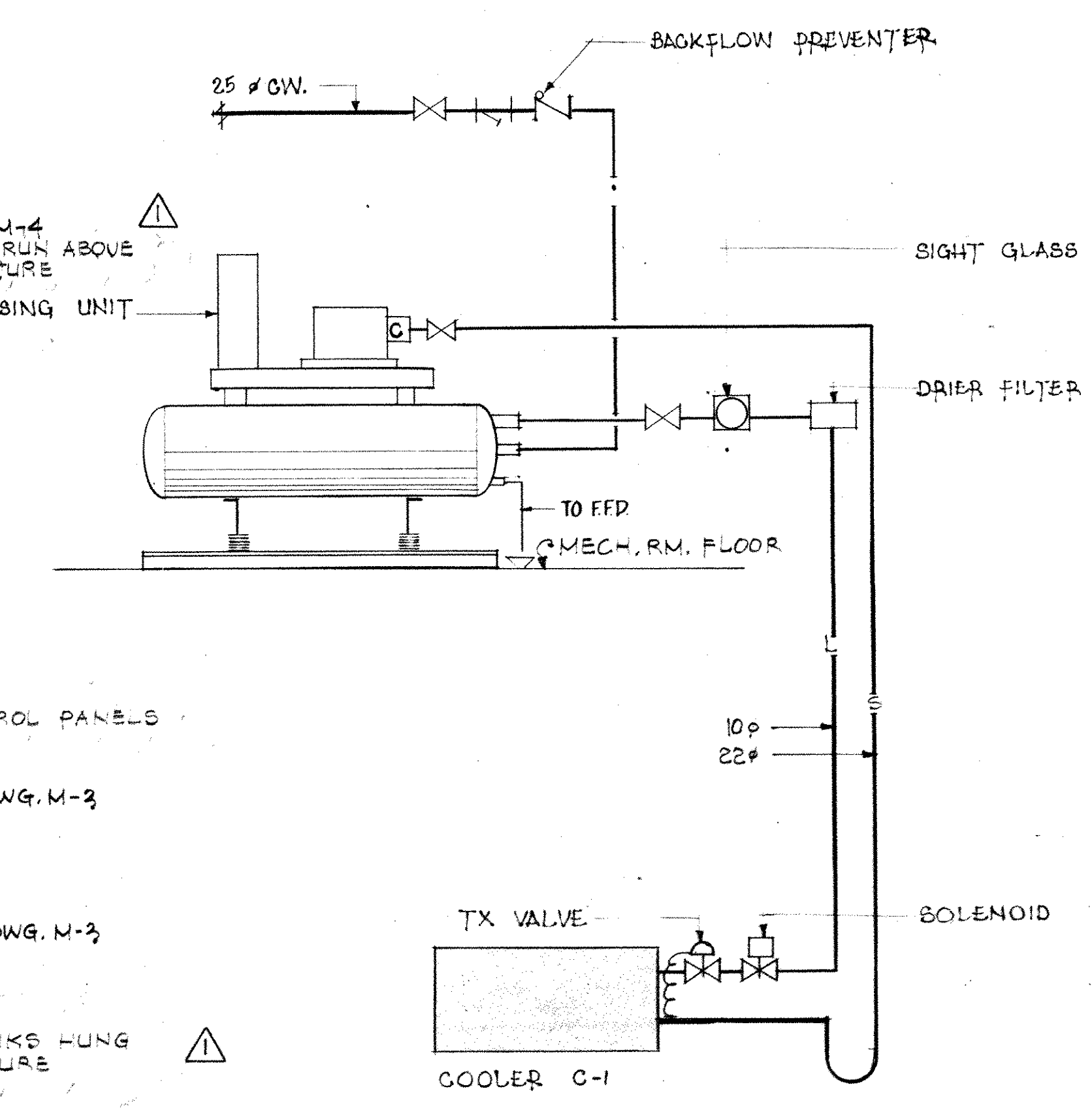
group eight engineering limited
830 main street east
hamilton ontario

MICHAEL J. TORSNEY ARCHITECT

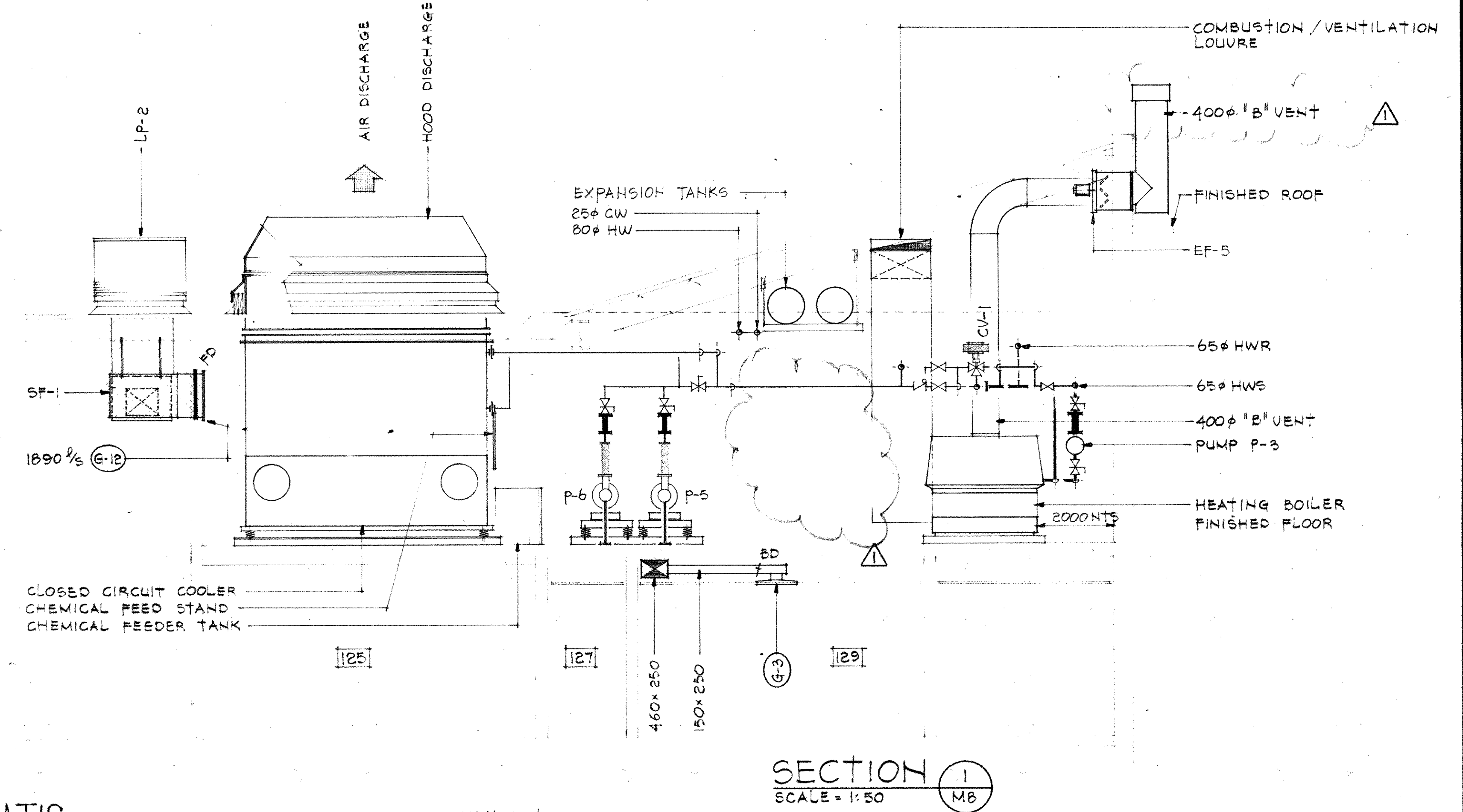


MECHANICAL ROOM PLAN
SCALE: 1:50

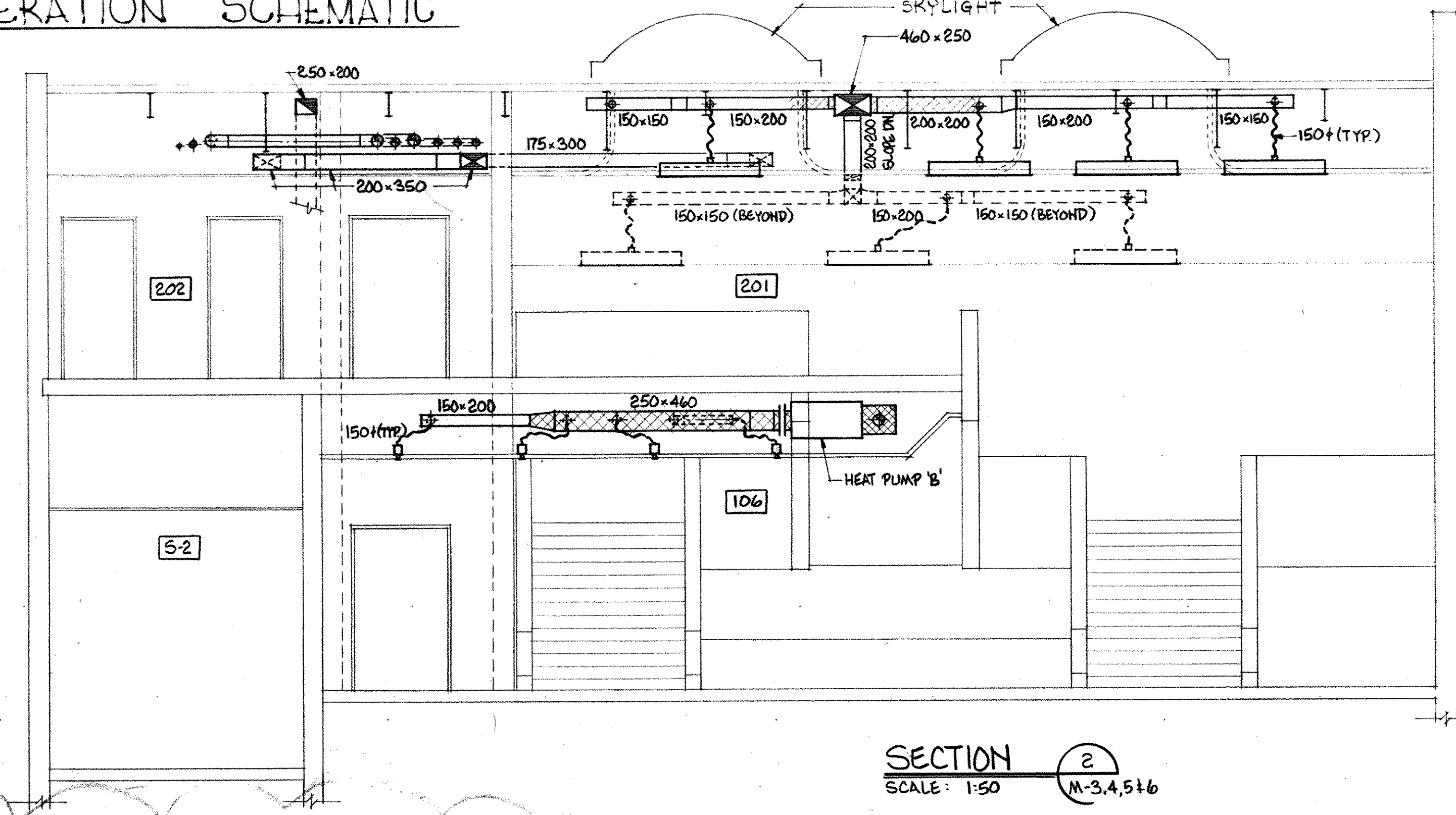
NOTE: FOR PIPE SIZES SEE BOILER & HOT WATER SCHEMATIC ON DWG. M-8 & M-9



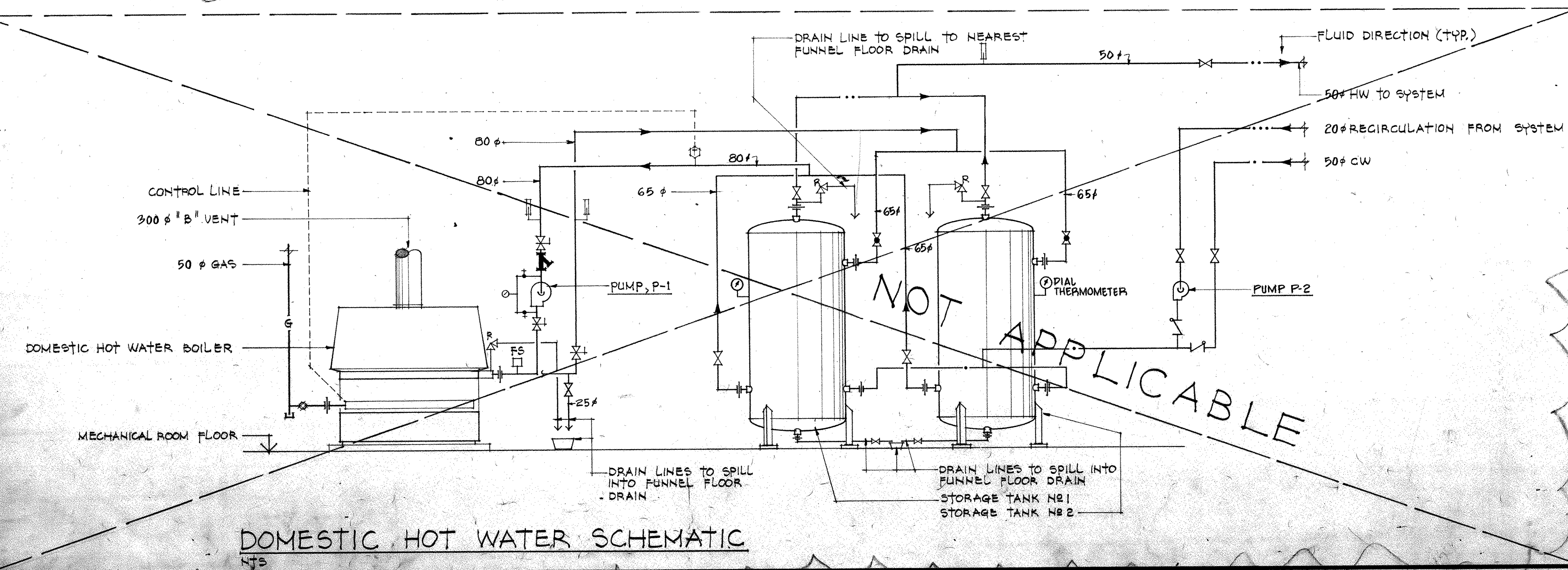
BEER COOLER REFRIGERATION SCHEMATIC
NTS.



SECTION 1
SCALE: 1:50



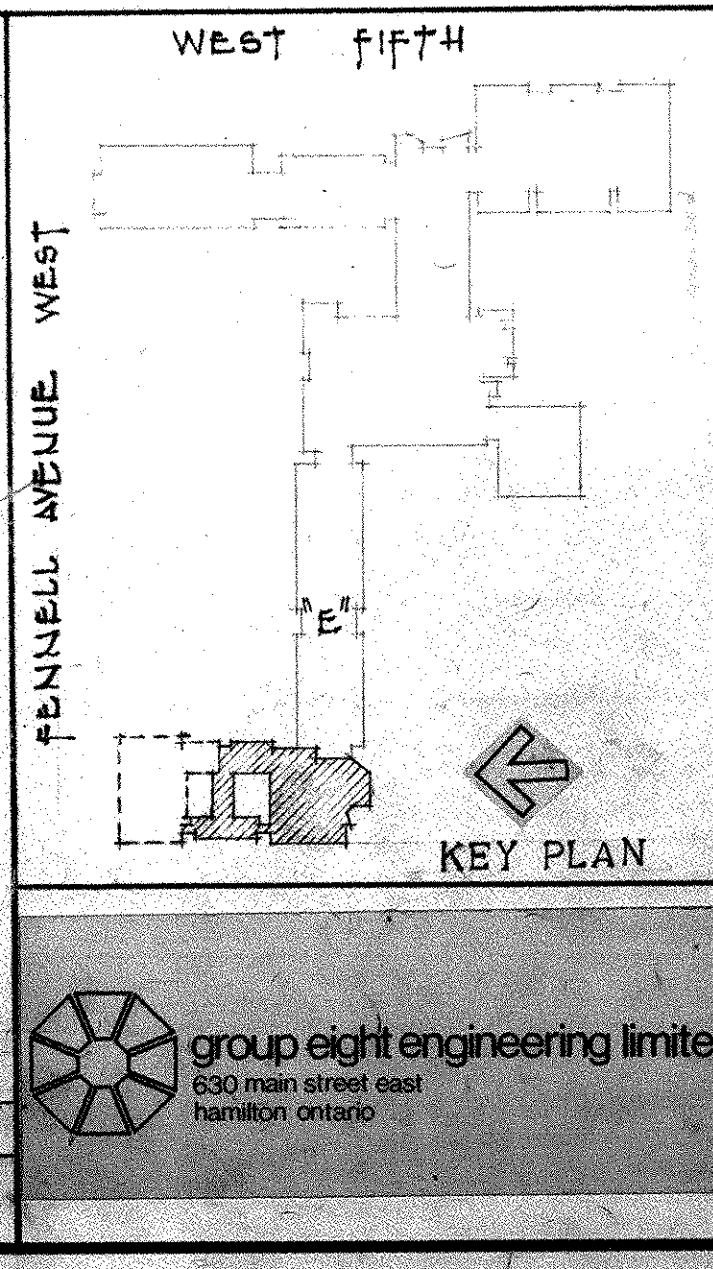
SECTION 2
SCALE: 1:50



DOMESTIC HOT WATER SCHEMATIC
NTS.

- NOTES:**
- (1) RUN THROUGH OWSJ
 - (2) RUN BENEATH OWSJ
 - (3) RUN BETWEEN OWSJ
 - (4) RUN BELOW BEAM
 - (5) RUN IN CEILING SPACE
 - (6) RUN UNDER FLOOR
 - (7) DROP IN WALL
 - (8) DROP IN FURRING
 - (9) DROP DOWN WALL EXPOSED
 - (10) CONNECT TO RWL
 - (11) MOUNT HEAT PUMP BETWEEN OWSJ
 - (12) RISE TO SECOND FLOOR CEILING SPACE
 - (13) CONNECT TO GUTTER DRAIN
 - (14) DROP IN VOID
 - (15) RISE IN WALL
 - (16) RUN IN CEILING SPACE BELOW
 - (17) RUN EXPOSED AS CEILING

NO.	DATE	DESCRIPTION
2	14/3/85	APPENDUM #1
1	16/1/85	NOTICE OF CHANGE N.B.

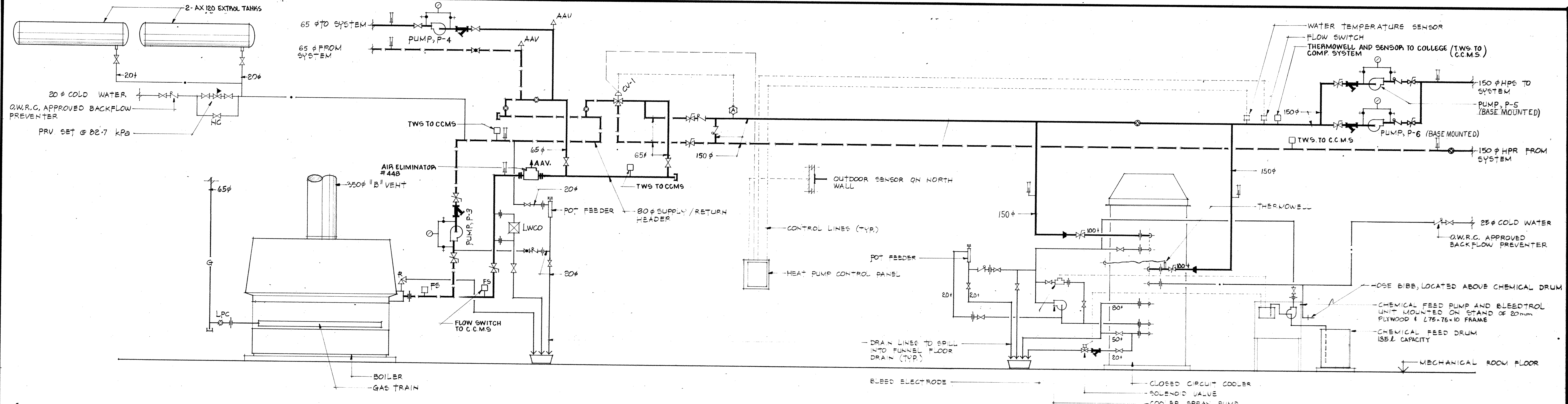


michael torsney architects
suite 202 131 john street & hamilton, ontario
L8N 2C3 416 522-2494

SCALE AS NOTED	DRN. E.K.	JOB NO.
MOHAWK COLLEGE	STUDENT CENTRE	HAMILTON ONTARIO
MECHANICAL SECTIONS & SCHEMATIC	ROOM SCHEMATIC	PHASE 1
		M-8

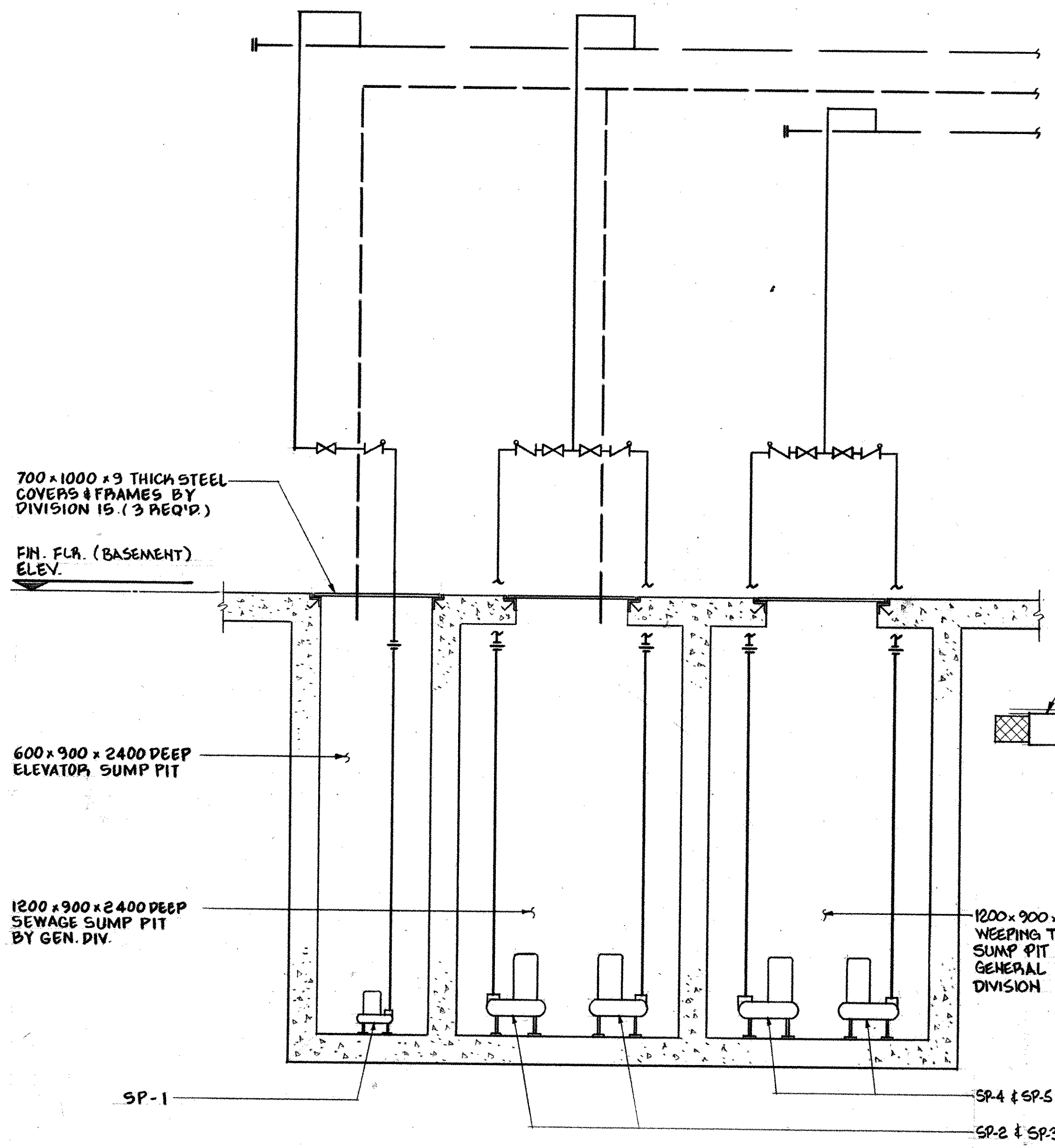
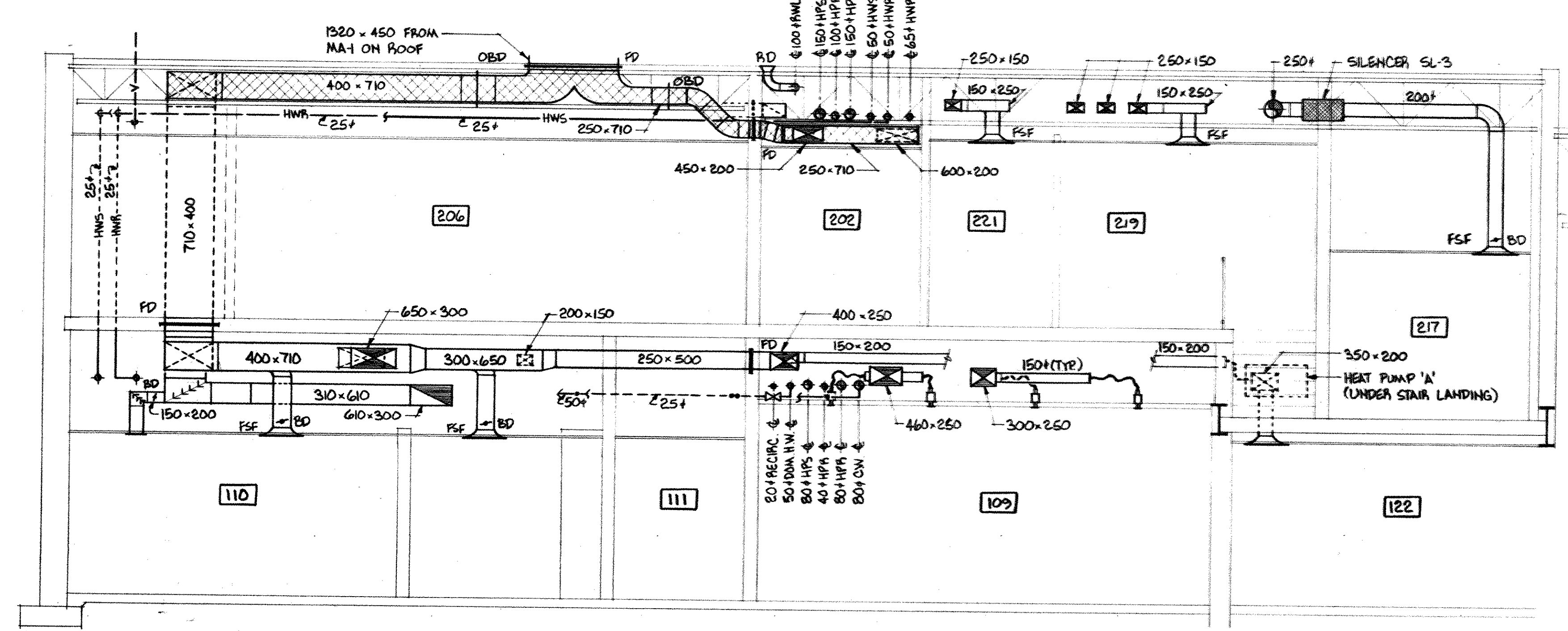
group eight engineering limited
830 main street east
hamilton ontario

LW. 84037

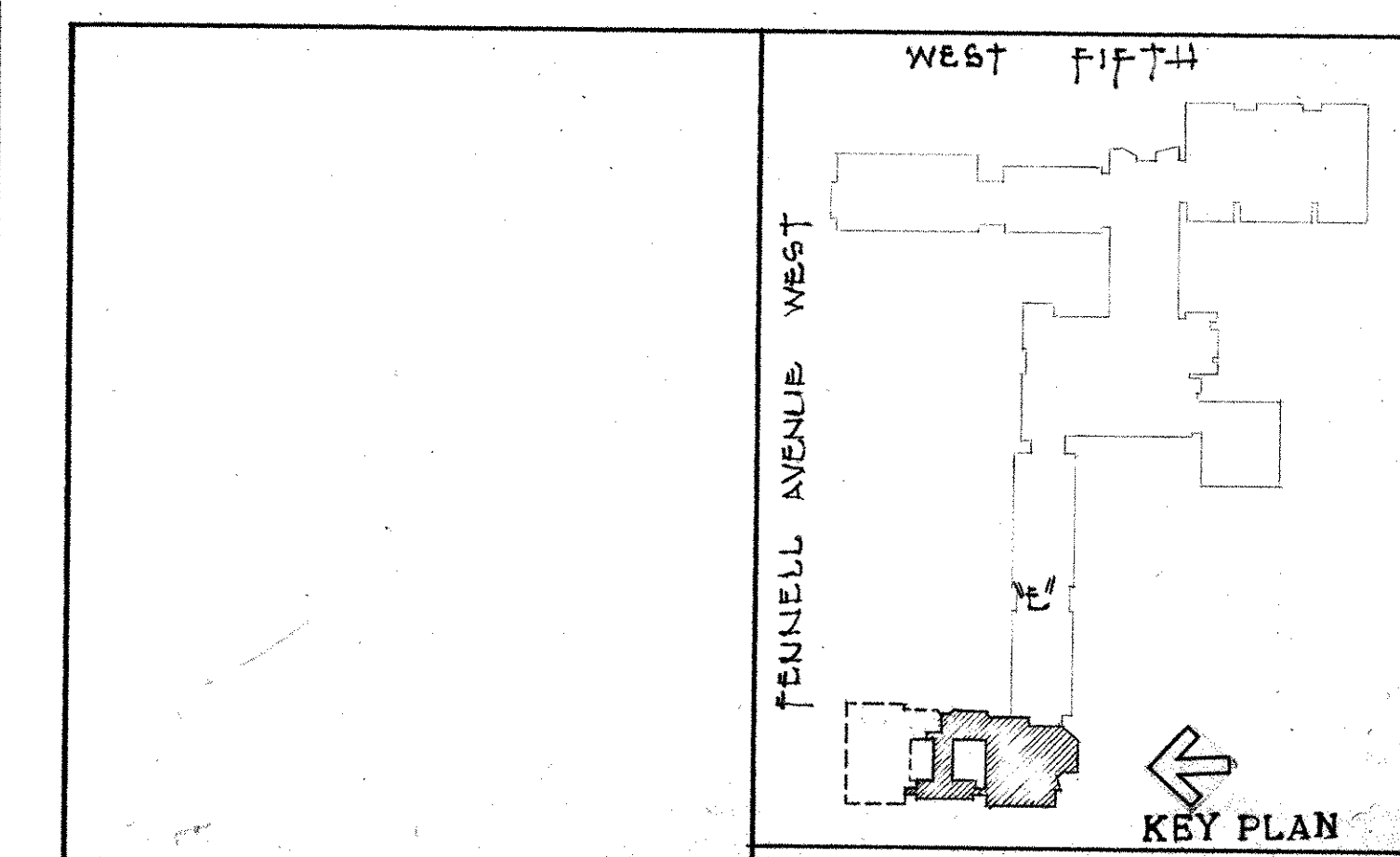
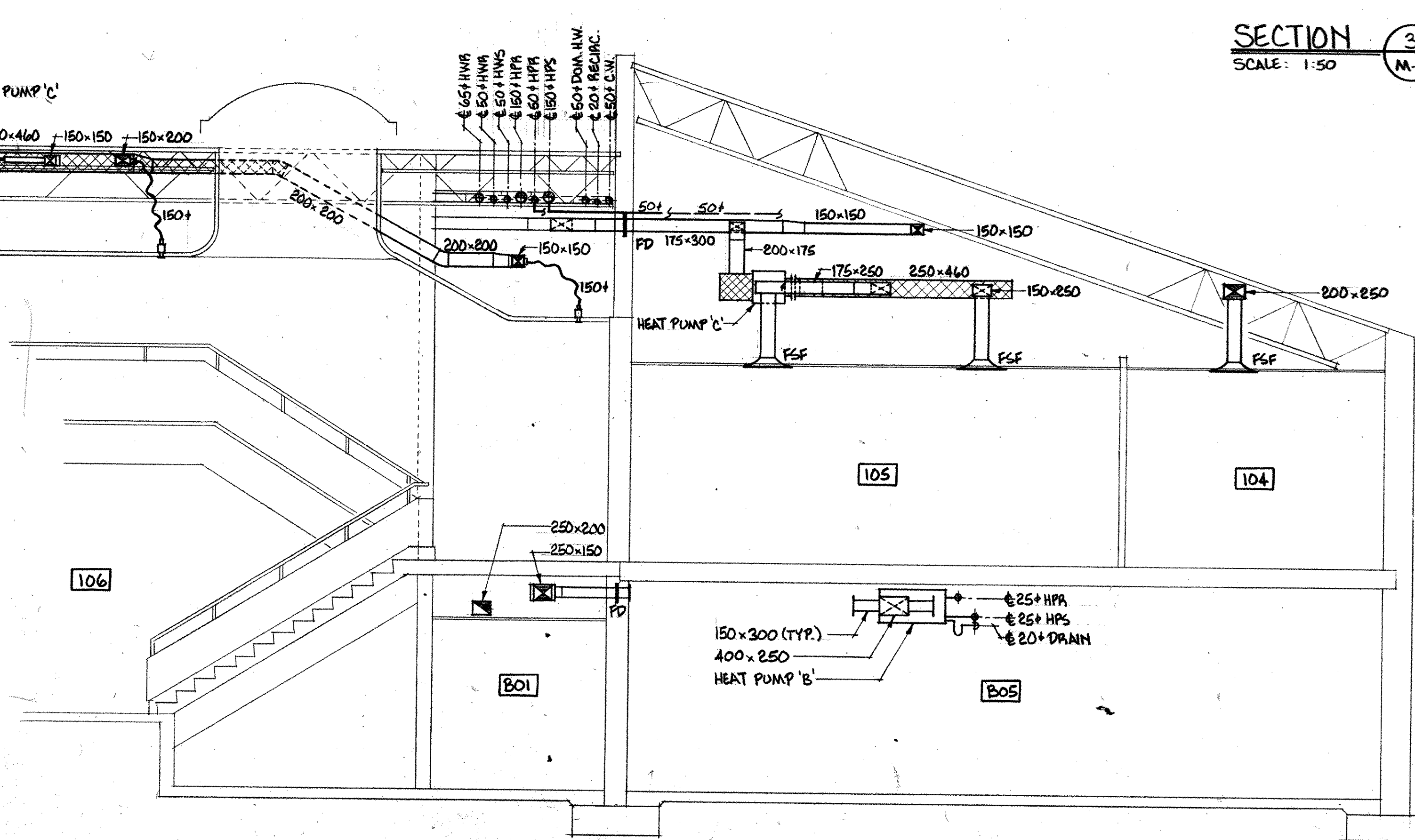


HEATING SYSTEM FLOW PIPING SCHEMATIC

HTS



- NOTES:**
- (1) RUN THROUGH OWSJ
 - (2) RUN BENEATH OWSJ
 - (3) RUN BETWEEN OWSJ
 - (4) RUN IN CEILING SPACE
 - (5) RUN UNDER FLOOR
 - (6) DROP IN WALL
 - (7) DROP IN FURRING
 - (8) DROP DOWN WALL EXPOSED
 - (9) CONNECT TO RAIL
 - (10) MOUNT HEAT PUMP BETWEEN OWSJ
 - (11) RISE TO SECOND FLOOR CEILING SPACE
 - (12) CONNECT TO GUTTER DRAIN
 - (13) DROP IN VOID
 - (14) RISE IN WALL
 - (15) RISE IN CEILING SPACE BELOW
 - (16) RUN EXPOSED AT CEILING



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SCALE AS NOTED DRN E.K. JOB NO. 8403
 MOHAWK COLLEGE STUDENT CENTRE HAMILTON ONTARIO DATE 02.7.84
 MECHANICAL DETAILS DWG NO. M-9

PHASE

NO.	DATE	DESCRIPTION
2	14/3/85	APPENDUM #1

REVISIONS

group eight engineering limited
 630 main street east hamilton ontario

PROFESSIONAL ENGINEER
 W. M. CARE

PROFESSIONAL ARCHITECT
 MICHAEL J. TORSNEY

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