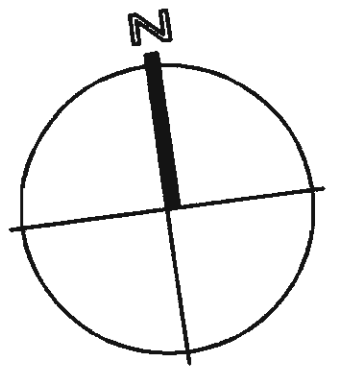




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1. Detail, Section or Elevation Number
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Revision No. Date Description

SEP. 08/05 ISSUED FOR CONSTRUCTION PARKADE INCLUDING ADDENDUMS
JUNE 15/05 ISSUED FOR PCN 002
MAY 19/05 ISSUED FOR PARKADE CONSTRUCTION
APRIL 29/05 ISSUED FOR REVIEW
APRIL 15/05 ISSUED FOR CONSTRUCTION - EXCAVATION & SHORING
APRIL 01/05 ISSUED FOR 50% SIGN-OFF / CONCRETE TENDER UPDATE
FEB. 17/05 ISSUED FOR 50% REVIEW
JAN. 20/05 ISSUED FOR MECH/ELEC SCOPE TENDER
DEC. 22/04 ISSUED FOR TENDER

client

TORODE Residential LTD.



project title

**VICTORIA SCHOOL
CONDOMINIUMS**

**411, 11 AVE. S.E.
CALGARY, ALBERTA**

drawing title

**FOUNDATION PLAN
PLUMBING**

scale: AS NOTED

drawn by:

checked by:

project no: 266329

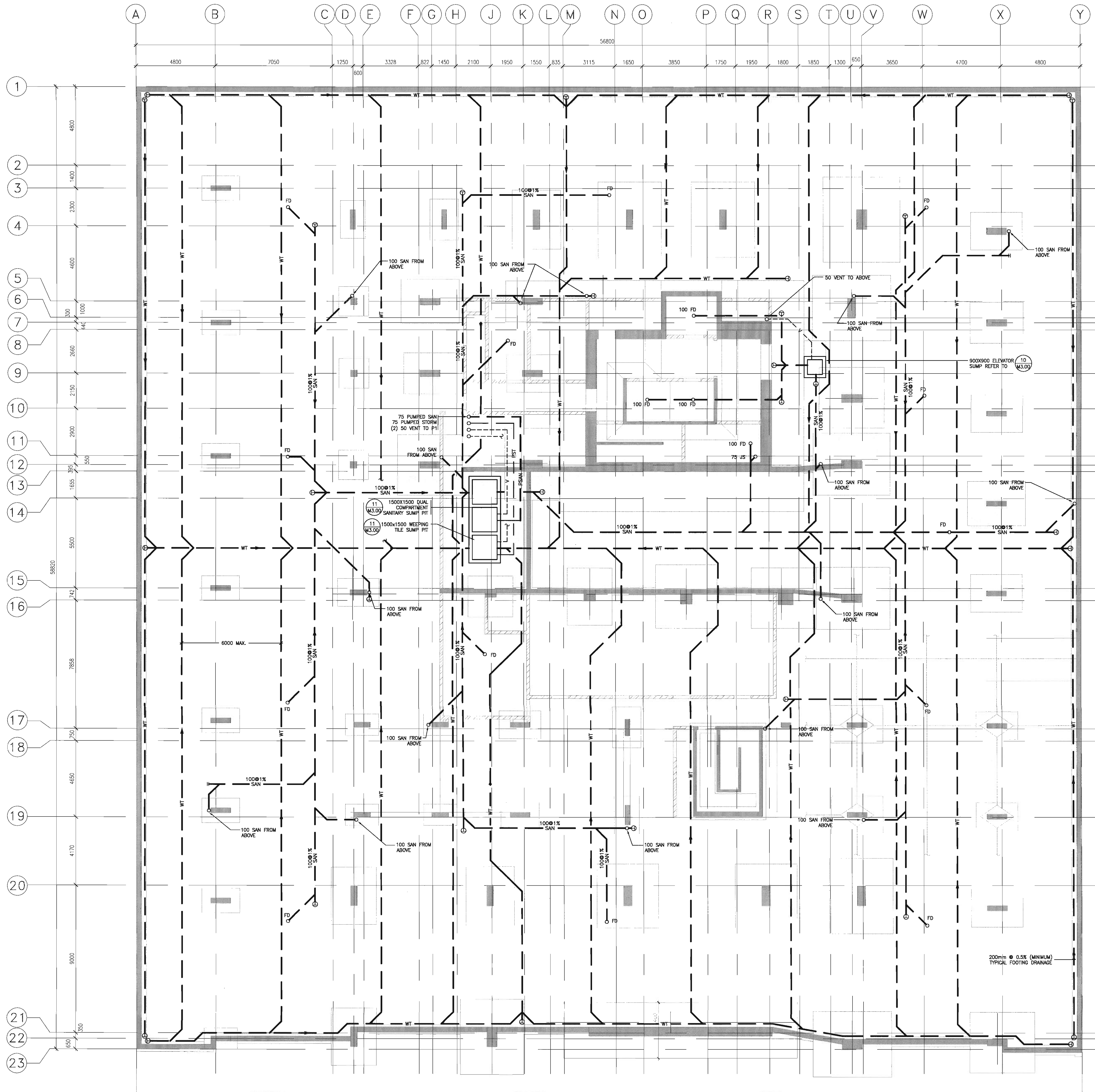
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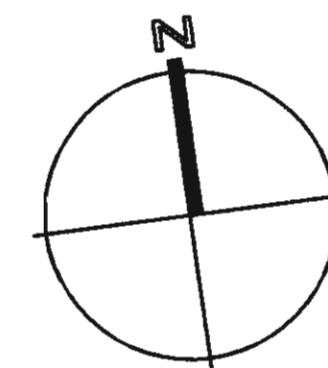
re-issue no:

sheet no:

5 M1.00



1 FOUNDATION PLAN
M1.00 SCALE: 1:100



- NOTES:
1. ALL SERVICES TO MAINTAIN 2150mm CLEAR HEIGHT, COORDINATE CROSSING OF SERVICES.
 2. 75 TYP. FOR ALL PARKADE FLOOR DRAINS.
 3. AVOID STRUCTURAL DROP PANELS TO MAINTAIN MAXIMUM CLEAR HEIGHT.

- KEY NOTES:
- ① COMBINED SPRINKLER AND STANDPIPE RISER AND SPRINKLER DRAIN RISER
 - ② 65mm VALVE WITH CAP
 - ③ SPRINKLER ZONE VALVE AND FLOW SWITCH, REFER TO FIRE PROTECTION SCHEMATIC ON DRAWING M3.05 FOR LOCATION ON ALL FLOORS

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FEB. 17/05 ISSUED FOR 50% REVIEW
JAN. 20/05 ISSUED FOR MECH/ELEC SCOPE TENDER
DEC. 22/04 ISSUED FOR TENDER

client

TORODE Residential utp
arriva

project title

VICTORIA SCHOOL
CONDOMINIUMS

411, 11 AVE. S.E.
CALGARY, ALBERTA

drawing title

PARKADE P4
FLOOR PLAN
PLUMBING &
FIRE PROTECTION

scale: AS NOTED

drawn by:

checked by:

project no: 266329

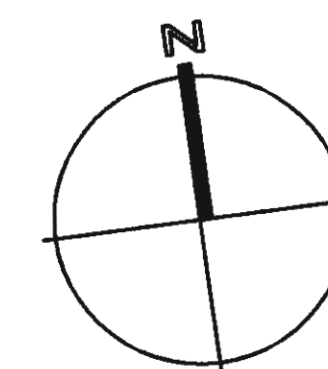
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sheet no:

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NOTES:

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7	FEB. 17/05	ISSUED FOR 50K REVIEW
8	JAN. 20/05	ISSUED FOR MECH/ELEC SCOPE TENDER
9	DEC. 22/04	ISSUED FOR TENDER

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VICTORIA SCHOOL
CONDOMINIUMS

411, 11 AVE. S.E.
CALGARY, ALBERTA

drawing title

PARKADE P3
FLOOR PLAN
PLUMBING &
FIRE PROTECTION

scale: AS NOTED

drawn by:

checked by:

project no: 266329

date:

activity date:

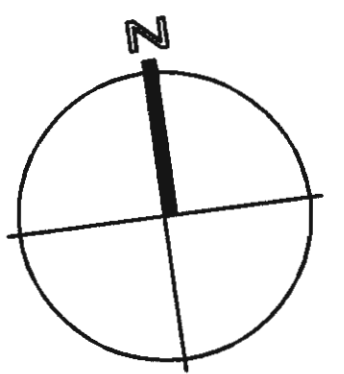
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sheet no:



M1.02

1 PARKADE P3 FLOOR PLAN
M1.02 SCALE: 1/100



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drawing title

PARKADE P2
FLOOR PLAN
PLUMBING &
FIRE PROTECTION

scale: AS NOTED

drawn by:

checked by:

project no: 266329

date:

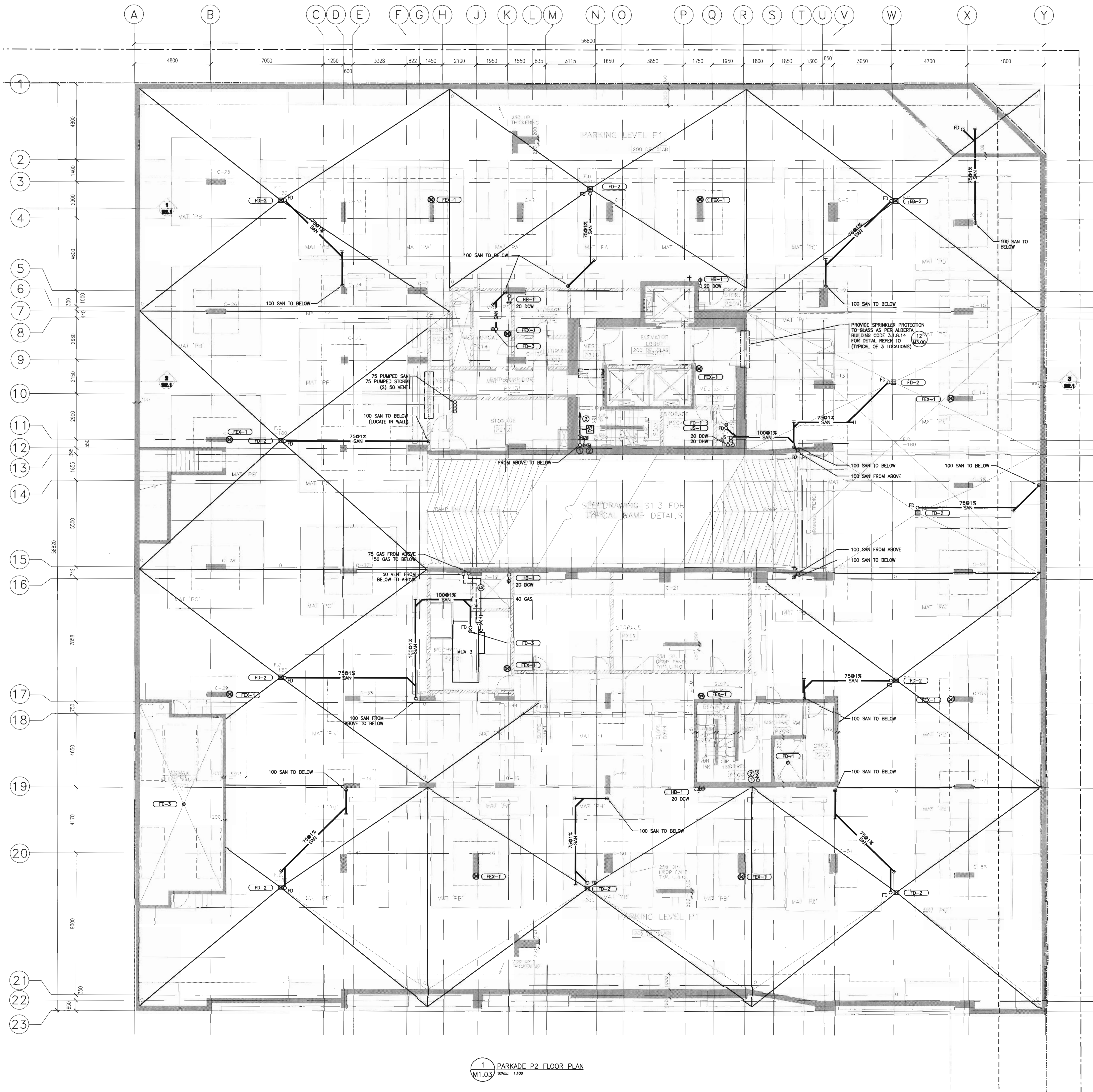
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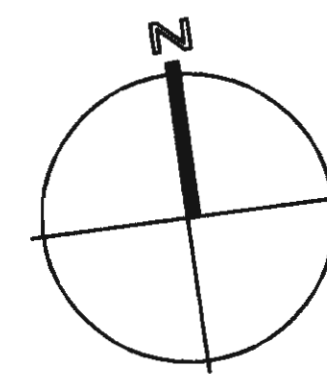
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M1.03



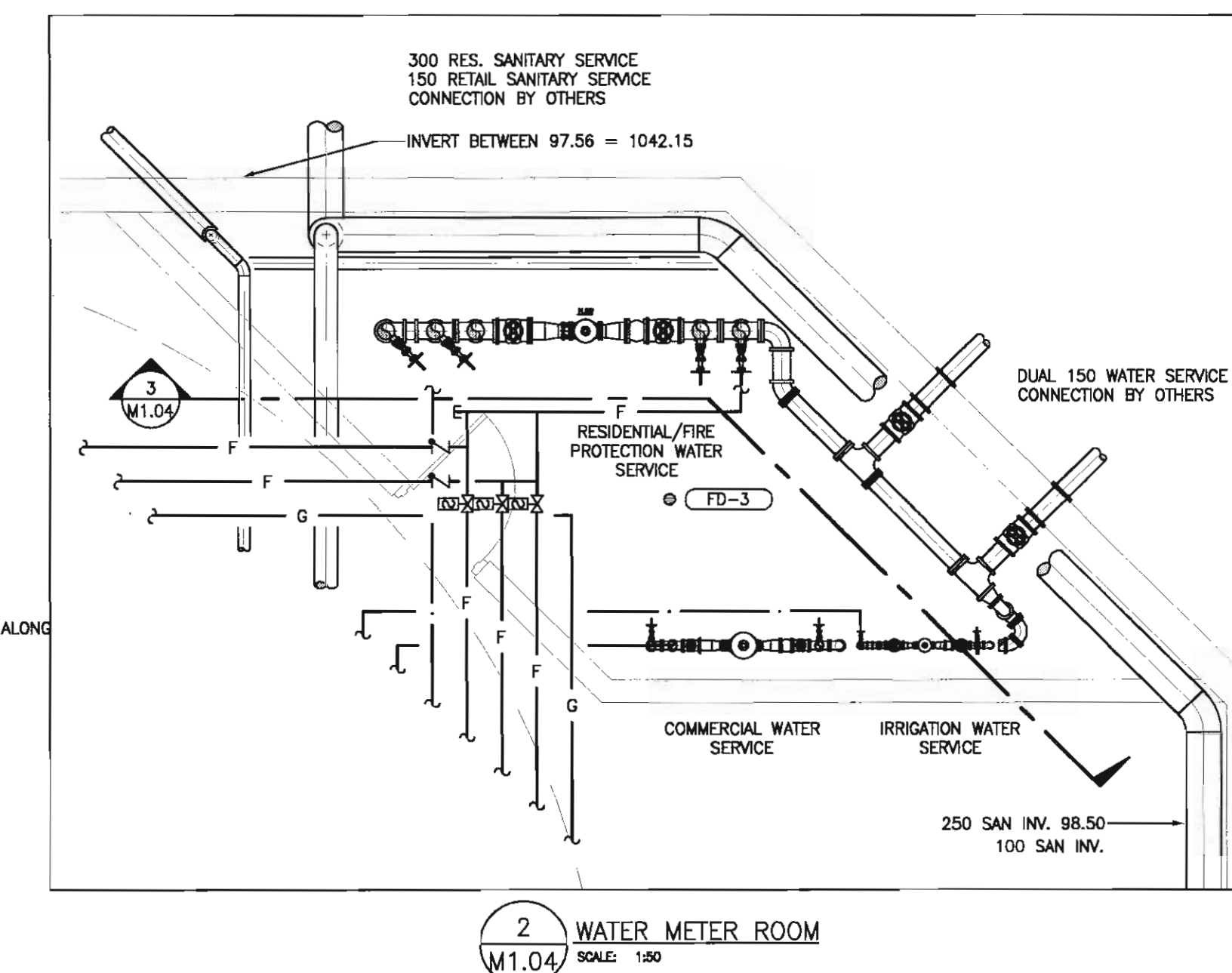
1 PARKADE P2 FLOOR PLAN
M1.03 SCALE: 1/100



NATURAL GAS CONNECTION LOADS:

TOWER 1 (METER 1)	
4 BOILERS	: 453.0m ³ /hr.
8 MUA	: 380.0m ³ /hr.
12 HW	: 102.0m ³ /hr.
SUBTOTAL	: 945.0m ³ /hr.
TOWER 2 (METER 2)	
4 BOILERS	: 453.0m ³ /hr.
8 MUA	: 380.0m ³ /hr.
12 HW	: 102.0m ³ /hr.
SUBTOTAL	: 945.0m ³ /hr.
TOTAL FOR SITE	
TOTAL CONNECTED LOAD	: 1890.0m ³ /hr.

- NOTES:
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- KEY NOTES:
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 - 65mm VALVE WITH CAP
 - SPRINKLER ZONE VALVE AND FLOW SWITCH, REFER TO FIRE PROTECTION SCHEMATIC ON DRAWING M3.05 FOR LOCATION ON ALL FLOORS



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6	APRIL 01/05	ISSUED FOR 50% SIGN-OFF /CONCRETE TENDER UPDATE
7	FEB. 17/05	ISSUED FOR 50% REVIEW
8	JAN. 20/05	ISSUED FOR MECH/ELEC SCOPE TENDER
9	DEC. 22/04	ISSUED FOR TENDER

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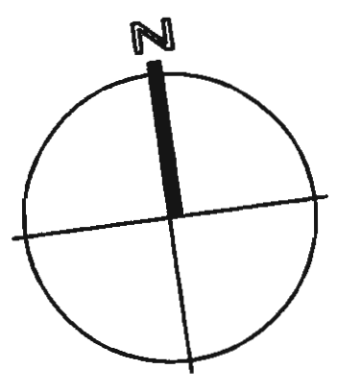
411, 11 AVE. S.E.
CALGARY, ALBERTA

drawing title
PARKADE P1
FLOOR PLAN
PLUMBING &
FIRE PROTECTION

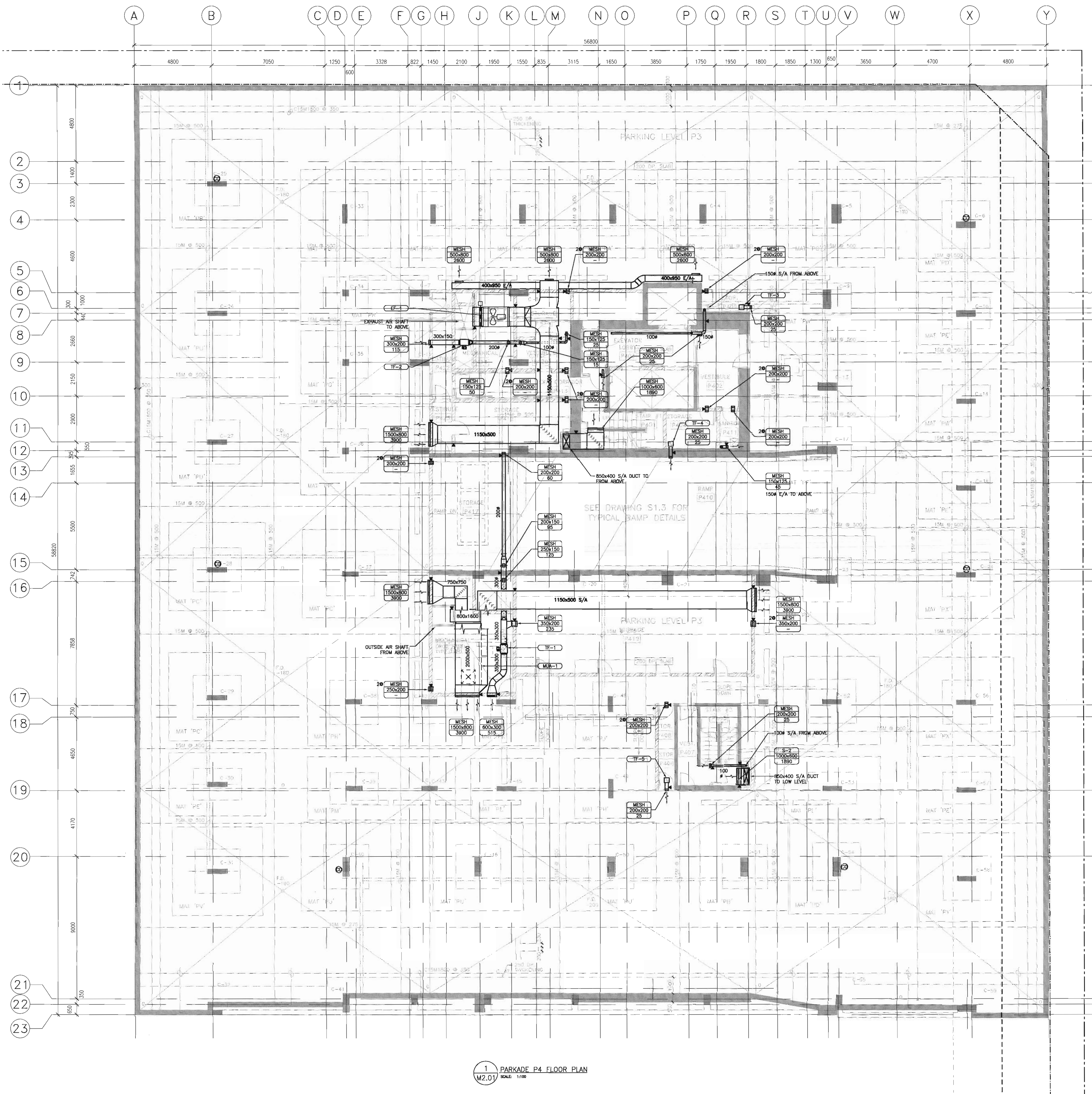
scale: AS NOTED
drawn by:
checked by:
project no: 266329
date: SEP. 08, 2005
activity date: SEP. 08, 2005

re-issue no: sheet no: 5 M1.04

1 PARKADE P1 FLOOR PLAN
M1.04
SCALE: 1:100



- GENERAL NOTES:
1. ALL SERVICES IN PARKADE SHALL BE INSTALLED AS HIGH AS POSSIBLE. IT IS IMPERATIVE TO MAINTAIN A CLEARANCE OF 2050 MM FROM FINISHED FLOOR TO UNDERSIDE OF ALL SERVICES IN THE OPEN PARKADE AREA.
 2. STARWELL PRESSURIZATION DUCTWORK SHALL BE FIRE RATED BY GENERAL CONTRACTOR.
 3. INSTALL FIRE DAMPERS IN THE MAKE-UP AIR AND EXHAUST DUCT PENETRATIONS OF THE RESPECTIVE SHAFTS.
 4. INSTALL FIRE DAMPERS IN DUCT PENETRATIONS THROUGH FLOOR SLABS.



1 PARKADE P4 FLOOR PLAN
SCALE: 1:100

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411, 11 AVE. S.E.
CALGARY, ALBERTA

drawing title

PARKADE P4
FLOOR PLAN

HVAC

scale: AS NOTED

drawn by:

checked by:

project no:

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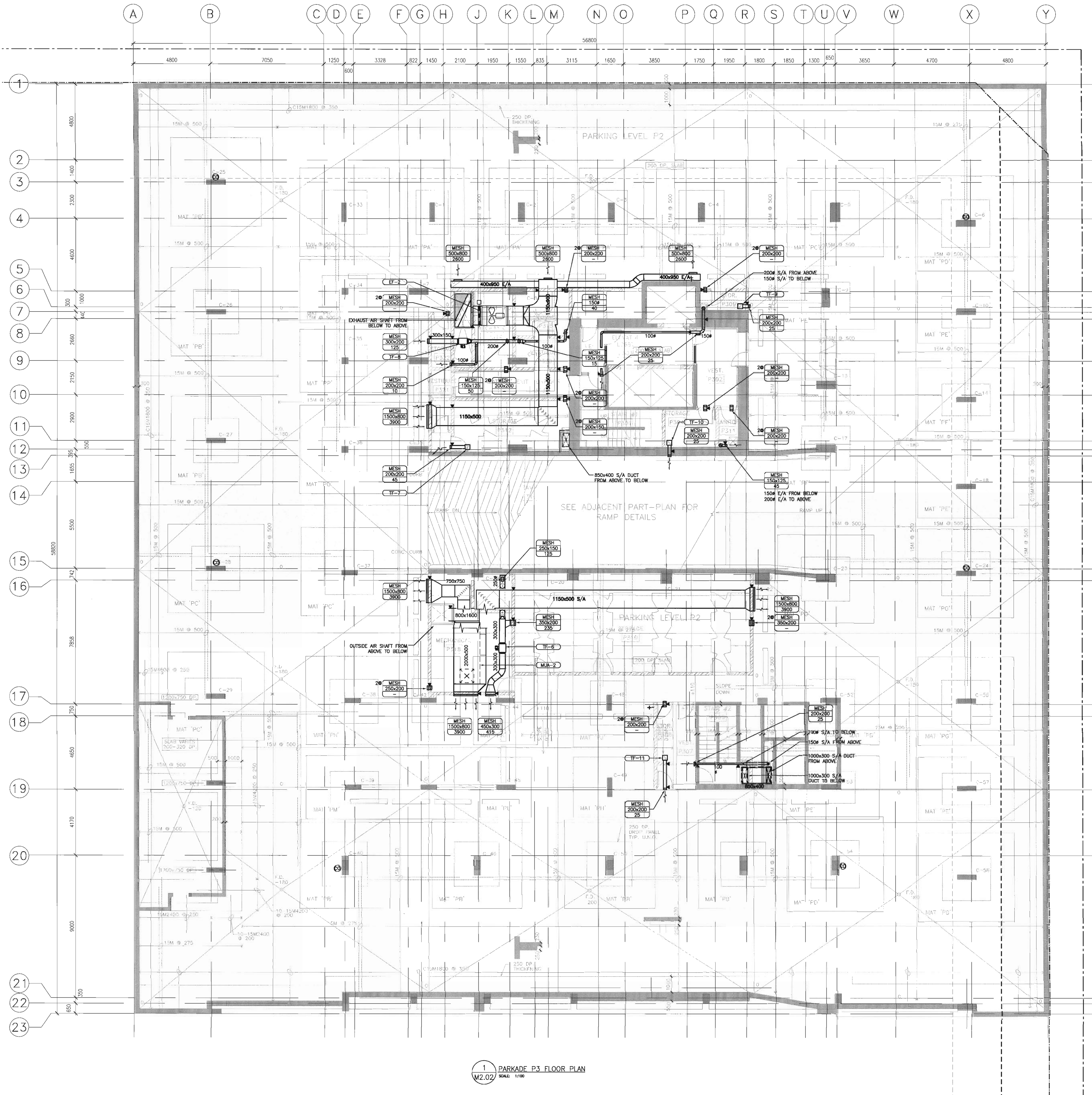
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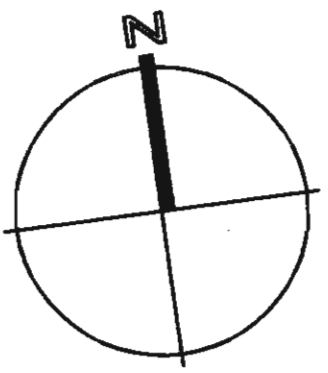
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M2.01



1 PARKADE P3 FLOOR PLAN
V2.02
SCALE: 1:100

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6	APRIL 01/05	ISSUED FOR 50% SIGN-OFF /CONCRETE TENDER UPDATE
7	FEB. 17/05	ISSUED FOR 50% REVIEW
8	JAN. 20/05	ISSUED FOR MECH/ELEC SCOPE TENDER

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project title
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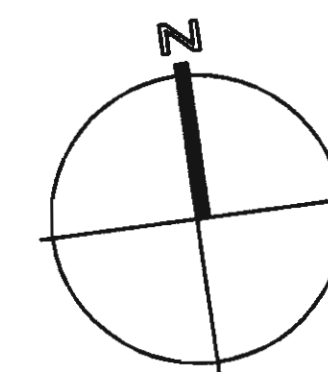
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CALGARY, ALBERTA

drawing title
PARKADE P3 FLOOR PLAN

HVAC

scale: AS NOTED
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checked by:
project no: 266329
date:
activity date:

re-issue no: sheet no:
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VICTORIA SCHOOL
CONDOMINIUMS

411, 11 AVE. S.E.
CALGARY, ALBERTA

drawing title

PARKADE P2
FLOOR PLAN

HVAC

scale: AS NOTED

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checked by:

project no: 266329

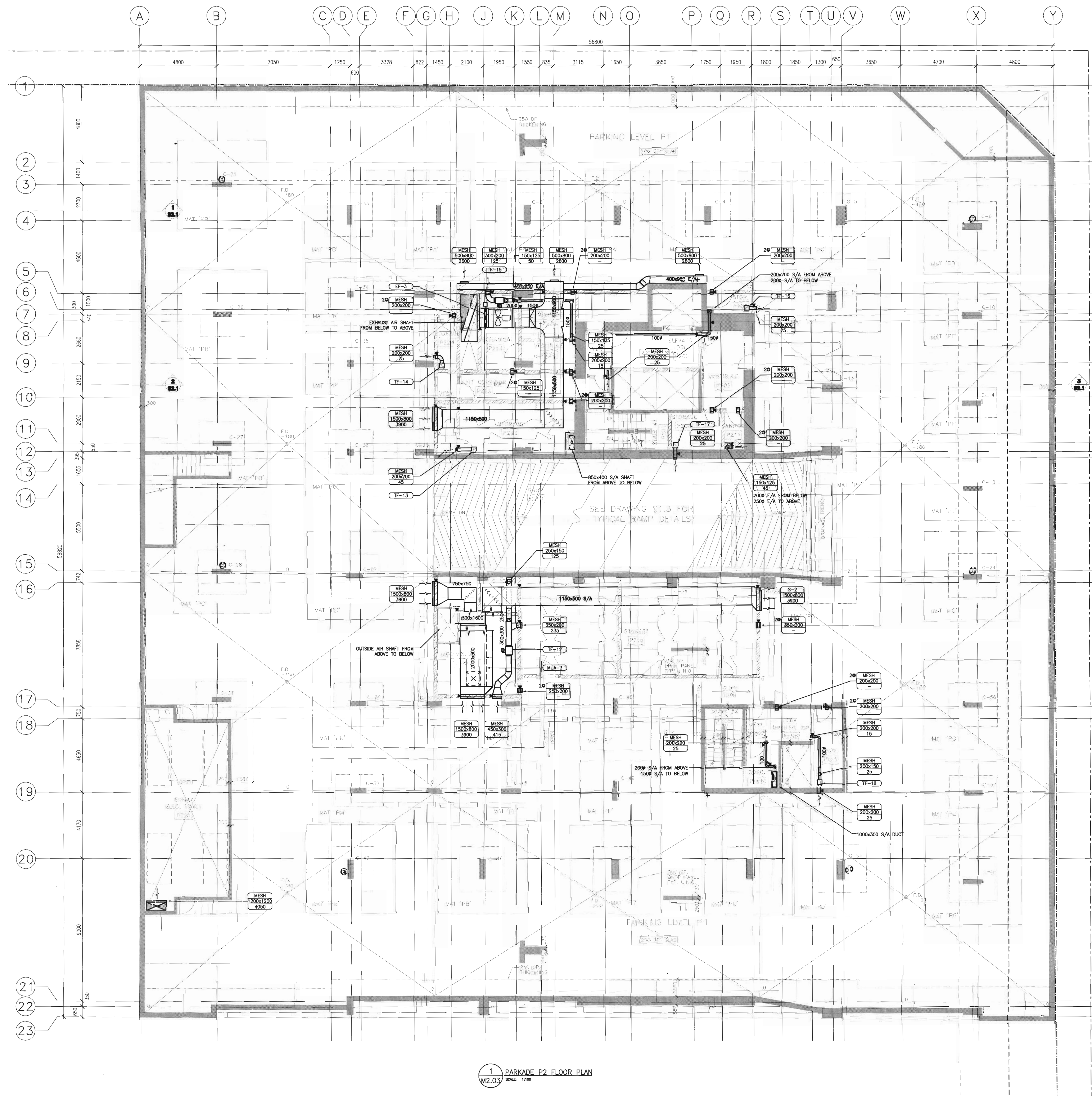
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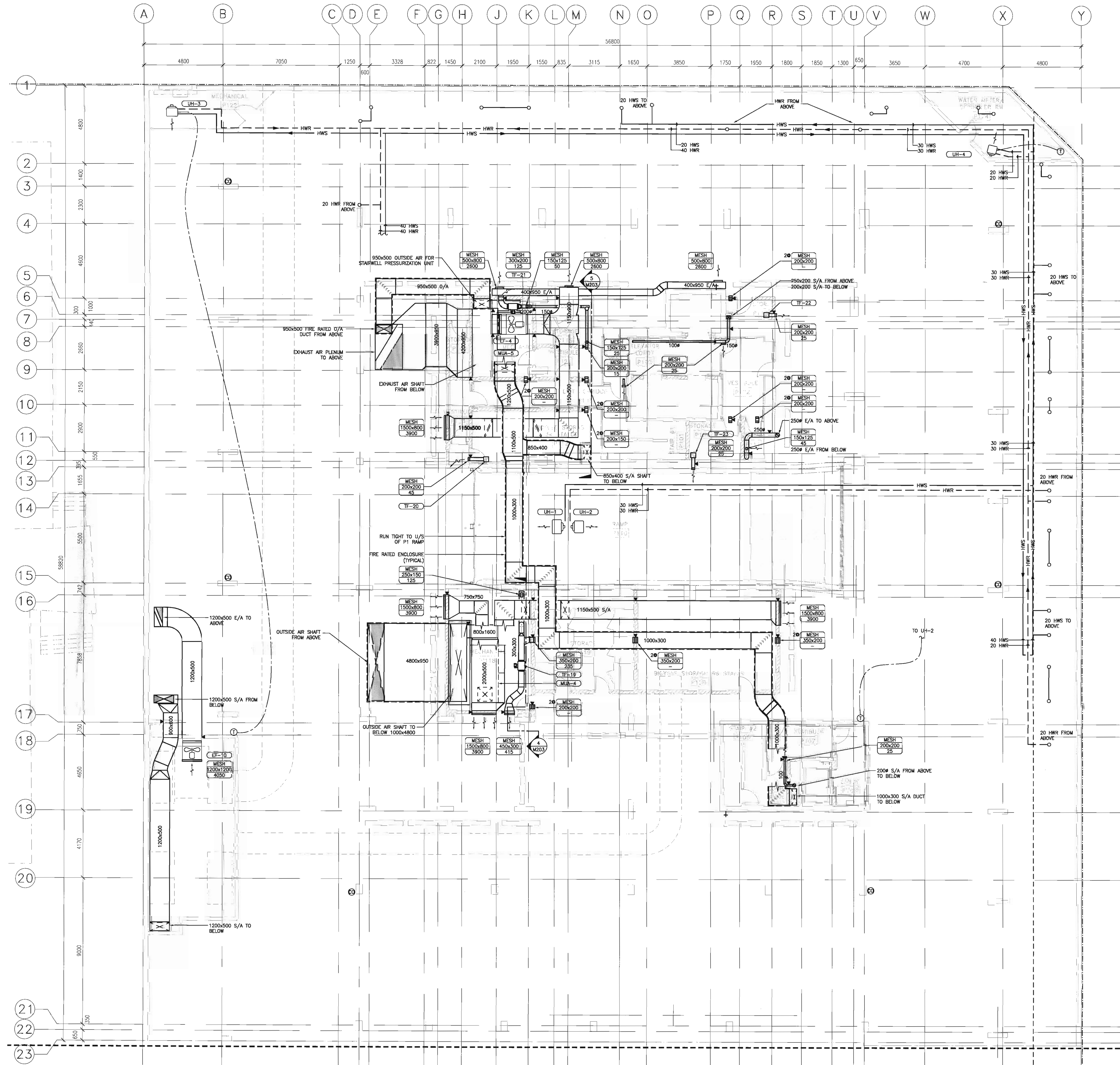
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sheet no:

5 M2.03



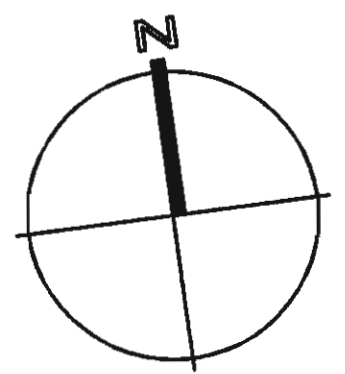
1 PARKADE P2 FLOOR PLAN
M2.03
SCALE: 1/100



1 PARKADE P1 FLOOR PLAN
W2.04 SCALE: 1/100

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client

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project title

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CONDOMINIUMS

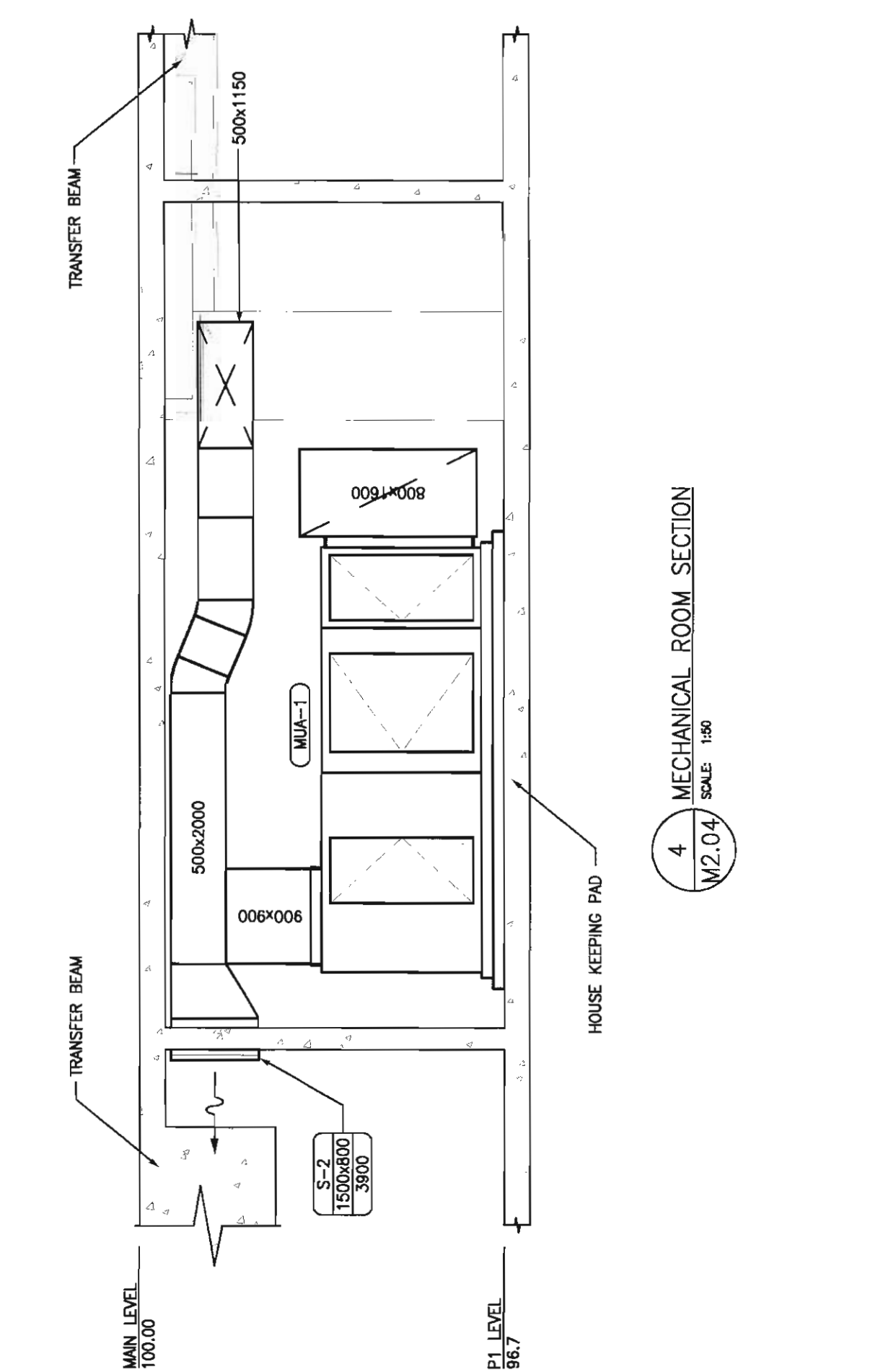
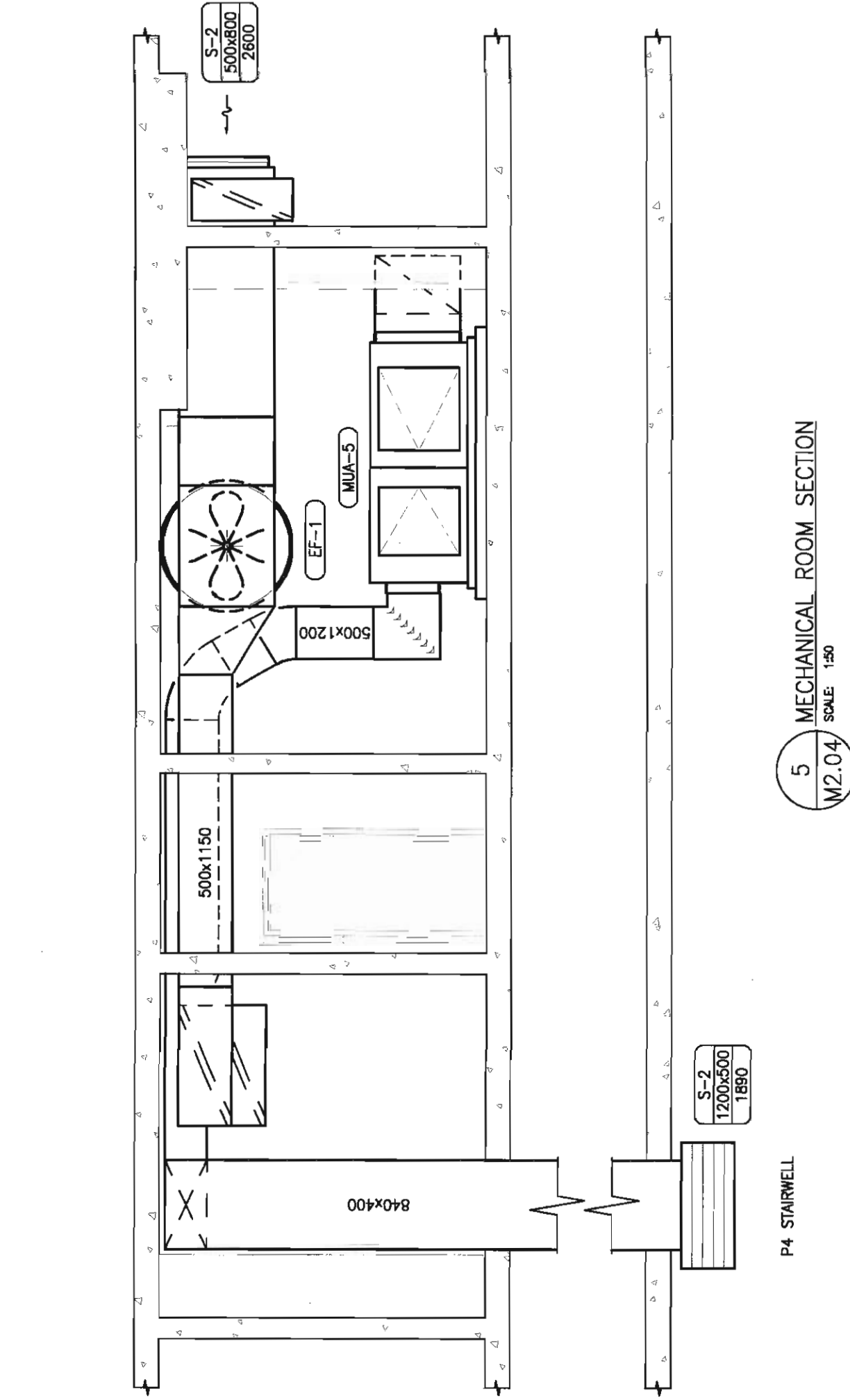
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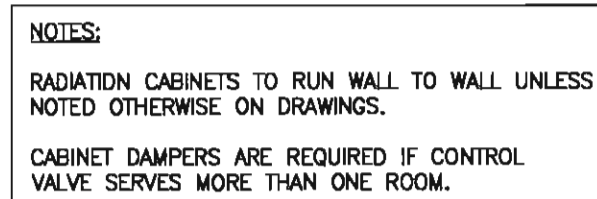
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PARKADE P1
MECHANICAL

scale: AS NOTED
drawn by:
checked by:
project no: 266329
date: SEP. 08, 2005
activity date: SEP. 08, 2005
re-issue no: sheet no:

5 M2.04





A schematic diagram of a hot water heating system. A boiler is shown on the left, with two pipes extending from it. The upper pipe is labeled 'HOT WATER' and the lower pipe is labeled 'HOT WATER RETURN'. Both pipes have arrows indicating flow direction. The upper pipe passes through a 'BALANCING VALVE' and an 'ISOLATION VALVE' before entering a 'HEATING COIL'. The lower pipe also passes through an 'ISOLATION VALVE' and a 'DRAIN VALVE' before entering the 'HEATING COIL'. An 'AUTOMATIC AIR VENT' is located on the upper pipe between the balancing valve and the heating coil. The heating coil is depicted as a rectangular unit with a wavy line inside, representing the heat exchanger.

Diagram illustrating the components and assembly of the fuel tank:

- PROVIDE FACE PLATE FOR NEAT APPEARANCE**: Points to the top cover of the tank.
- TANK FULL**: Indicator light (sun symbol) for full tank status.
- FILL**: Indicator light (sun symbol) for fill status.
- HIGH LEVEL ALARM**: Indicator light (sun symbol) for high level alarm.
- VENT**: Indicator light (sun symbol) for vent status.
- LAMACOID PLATES (TYPICAL)**: Points to the top cover of the tank.
- 50mm FILL PIPE C/W GUN LOCK FITTING AND COVER**: Points to the fill pipe assembly.
- 32mm VENT PIPE C/W BUS SCREEN AND VENT WHISTLE**: Points to the vent pipe assembly.
- PUSH TO SILENCE**: Points to the buzzer button.
- BUZZER**: Points to the buzzer button.
- WEATHERPROOF INDICATOR LIGHT (RED) INDICATING FUEL TANK FULL AND HIGH LEVEL ALARM**: Points to the red indicator light.

NOTE:
ALL LEVEL SWITCH CONTACTS
N.O. MAKE ON LEVEL RISE.
* PANEL DOOR MOUNTED
☐ PANEL TERMINAL BOX

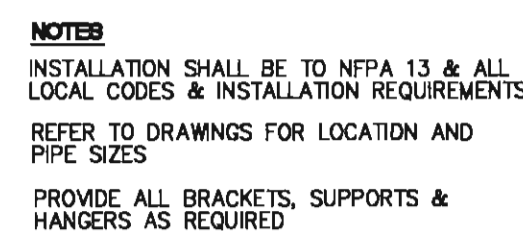
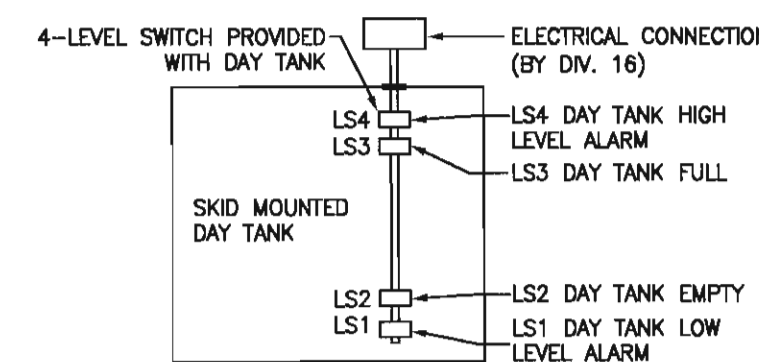


Diagram illustrating the roof penetration assembly for an exhaust pipe. The assembly includes:

- SHEET METAL FLASHING
- HIGH TEMPERATURE SILICONE SEALANT
- HOLES IN END OF THIMBLE
- EXHAUST PIPE
- INSULATION
- STEEL SLEEVE
- 25mm AIR GAP
- 100 Mm

(TYPICAL FOR PIPE HANGERS ON EITHER SIDE OF MUFFLER ONLY)

PIPE HANGERS

MUFFLER (INSULATED)

EXHAUST PIPE (INSULATED)

FLEX CONNECTION

GENERATOR

REFER TO EXHAUST DUCT TERMINATION DETAIL FOR CONTINUATION

25 CONDENSATE DRAIN C/W VALVE & CAP

NOTES:

VENTS TO TERMINATE C/W WHISTLE VALVE
3000 (MIN.) ABOVE GRADE.

MOTORIZED DAMPER TO BE PROPORTIONAL
CONTROL TYPE. REFER TO SPEC. FOR
SEQUENCE OF OPERATION.

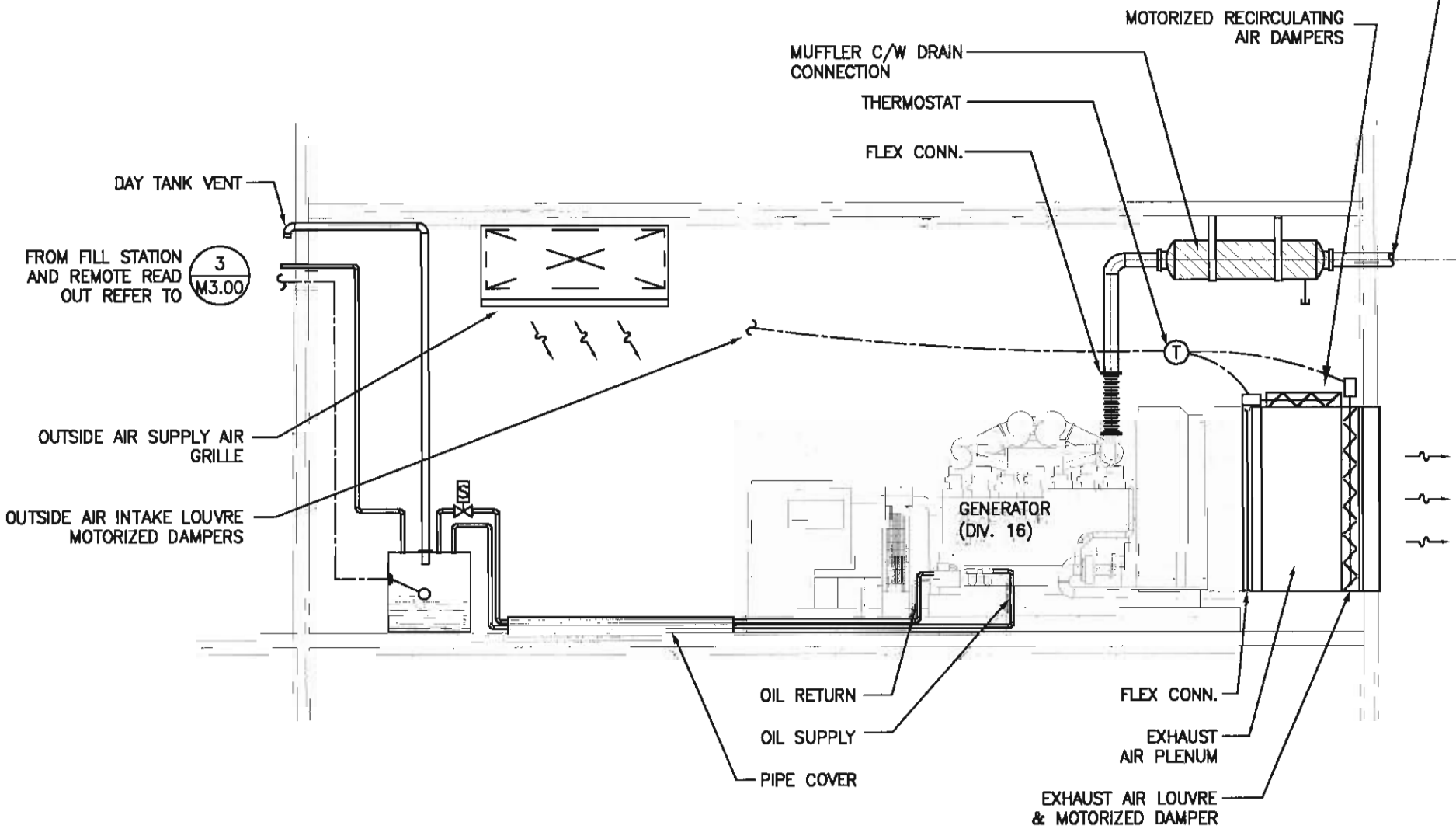
DIESEL SUPPLY LINE TO GENERATOR TO
BE C/W FUSIBLE LINK ISOLATION VALVE.

PROVIDE PROTECTIVE SLEEVE PIPE COVER
OVER DIESEL PIPES ON GENERATOR ROOM
FLOOR. PIPE TRENCH C/W METAL
PLATE COVER.

REFER TO DRAWINGS FOR PIPE SIZES &
LOCATIONS.

DAY TANK SUPPLIED AND FLOAT SWITCH,
INDICATION GAUGE SUPPLIED BY DIV. 15.

PROVIDE DRY, OR GLYCOL SPRINKLER
SYSTEM WITHIN GENERATOR ROOM. WET
SPRINKLER SYSTEMS ARE NOT
ACCEPTABLE.



75 VENT STACK AND 100 SAN STACK (REFER TO DRAWING FOR CONTINUATION)

DOW/DHW SUPPLY (REFER TO DRAWINGS FOR CONTINUATION)

75 VENT STACK UNLESS NOTED OTHERWISE ON ON DRAWINGS

100 SAN STACK UNLESS NOTED OTHERWISE ON ON DRAWINGS

EXTEND LOOP AS HIGH AS POSSIBLE (MINIMUM HEIGHT TO BE ABOVE FLOOD LEVEL OF SINK)

SINK

TRAP

CLEAN OUT

DOW/DHW SUPPLY TO SINK

CLEAN OUT

150 DHW/DOW UNLESS NOTED OTHERWISE ON DRAWINGS

CLEAN OUT

Diagram showing the elevation of a steel checker plate cover for a future level control panel. The cover is rectangular and features a central vertical slot. Key dimensions and components are labeled:

- Support Bracket for Future Level Controls:** Indicated by a dashed line and arrow pointing to the top edge of the cover.
- P4 ELEVATION 50.7:** A label indicating the elevation of the top edge of the cover.
- Wiring to Future Control Panel:** Indicated by a dashed line and arrow pointing to the top edge of the cover.
- 50 VENT:** A label indicating the height of the vent opening.
- 100 SAN OUT:** A label indicating the height of the sanitary outlet.
- 100 SANITARY:** A label indicating the height of the sanitary inlet.
- STEEL CHECKER PLATE COVER C/W AIR TIGHT GASKET:** A label indicating the material and seal of the cover.
- 4770:** A dimension indicating the total height of the cover.
- 900 50:** A dimension indicating the width of the cover.
- P-13:** A label indicating the panel number.

NOTE:

1. GENERAL CONTRACTOR SHALL PROVIDE CAST IN PLACE SLUMP PTT. STEEL COVER PLATE C/W ACCESS LID, SHIP LADDER, ANGLE IRON FRAME & FASTENING
2. SUBMERSIBLE PUMPS SHALL BE C/W LIFTOUT ASSEMBLY
3. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL DETAILS

200 INCOMING STORM

2400

2400

50 VENT

150 STORM PUMP OUT

200 INCOMING STORM BELOW

PRE-MANUFACTURED ACCESS COVER

100 INCOMING SAN

600x600 ACCESS COVER

CONCRETE SLAB AROUND ACCESS PANELS

75 SAN PUMP OUT

100 INCOMING SAN

50 VENT

COVERS C/W AIR TIGHT GASKET

P4 ELEVATION 88.7

(2) 100 SANITARY INV. 87.70

2000

P-11

P-12

P-9

P-10

150

50

100

75

GATE AND CHECK VALVES

WIRING TO DUPLEX CONTROL PANEL

SUPPORT BRACKET FOR LEVEL CONTROLLERS

HIGH WATER ALARM PUMPS ON 1 PUMP ON

PUMP OFF

Diagram illustrating the installation of a fire sprinkler system on a window glazing.

The diagram shows a cross-section of a building facade with a window labeled "GLAZING (> 4.2m²)". The window is situated between a "VESTIBULE" on the left and a "PARKADE" on the right.

A "25mm SPRINKLER LINE" is shown running horizontally from the left, then turning vertically down to a sprinkler head. The distance from the window frame to the sprinkler head is marked as "16".

CONFORM TO NFPA 13 AND SPRINKLER MANUFACTURERS LISTING REQUIREMENTS
REFER TO NFPA 13 CODE
INSTALL SPRINKLER ON BOTH SIDE OF EACH PANE OF THE WINDOWS AS PER STAIN DATA

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This drawing must not be scaled.
The contractor shall verify all levels, datums and dimensions prior to commencement of work. All errors and omissions must be reported to the Architects immediately.
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	1. Detail, Section or Elevation Number
	2. Sheet Number Where Detailed or Referenced

DATE	DESCRIPTION
SEP. 06/05	ISSUED FOR CONSTRUCTION PARADE INCLUDING ADDENDUMS
JULY 25/05	ISSUED FOR TOWER CONSTRUCTION
MAY 19/05	ISSUED FOR PARADE CONSTRUCTION
APRIL 01/05	ISSUED FOR 50% SIGN-OFF /CONCRETE TENDER UPDATE
FEB. 17/05	ISSUED FOR 50% REVIEW
JAN. 20/05	ISSUED FOR MECH/ELEC SCOPE TENDER

client

TORODE Residential LTD

project title

VICTORIA SCHOOL
CONDOMINIUMS

411, 11 AVE. S.E.
CALGARY, ALBERTA

drawing title

DETAILS

scale: AS NOTED
drawn by: ACM
checked by: DS
project no: 266329
date: SEP. 08, 2005
activity date: SEP. 08, 2005

re-issue no:  sheet no: M3.06