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NIPPON KOEI NIPPON KOEI Co., Ltd.
JARTS JAPAN RAILWAY TECHNICAL SERVICE
NCC NIPPON CIVIC CONSULTING ENGINEERS Co., Ltd.

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY

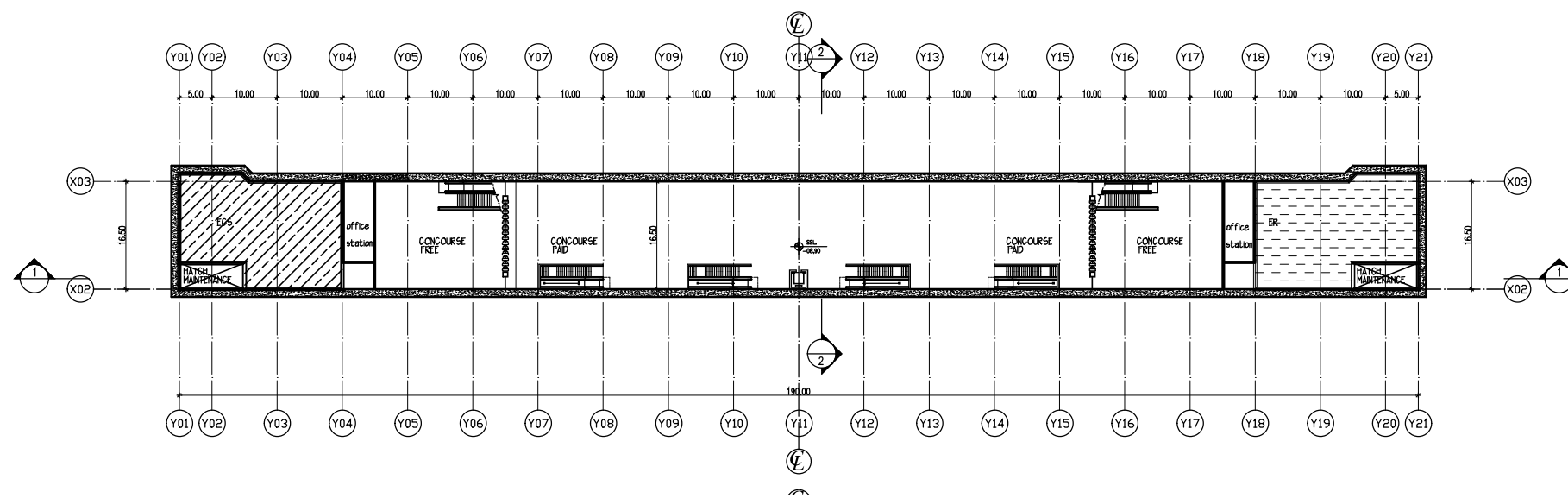
NAT
 NATIONAL AUTHORITY FOR TUNNELS (NAT)
 MINISTRY OF TRANSPORT
 ARAB REPUBLIC OF EGYPT

PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

DRAWING TITLE
 STATION NO. (13)
 STREET LEVEL

DATE OF ISSUE 24.12.2009	SIZE A3
SCALE 1:1000	
DRG No. M4/ST/W13001	
DRG STATUS PRELIMINARY DESIGN	

T.V.F. ; Tunnel Ventilation Fans
 T.E.F. ; Tunnel Exhaust Fans
 E.R. ; Electric Room
 A.H.U. ; Air Handling Unit
 E.C.S. ; Environmental Control System
 M.H. ; Maintenance Hatch



CONCOURSE LEVEL

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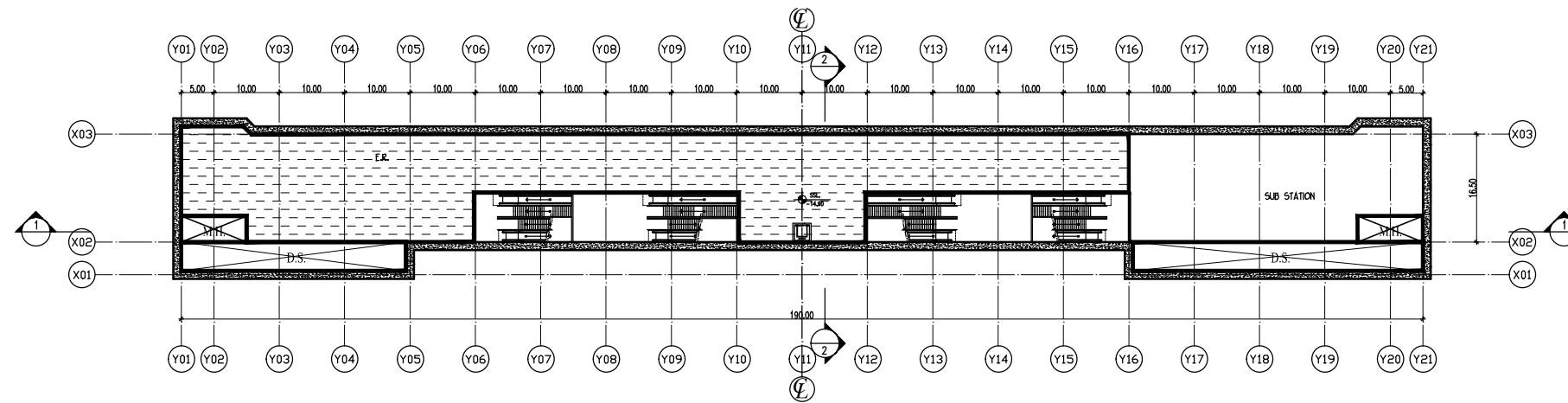
NAT
 NATIONAL AUTHORITY FOR TUNNELS (NAT)
 MINISTRY OF TRANSPORT
 ARAB REPUBLIC OF EGYPT

PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

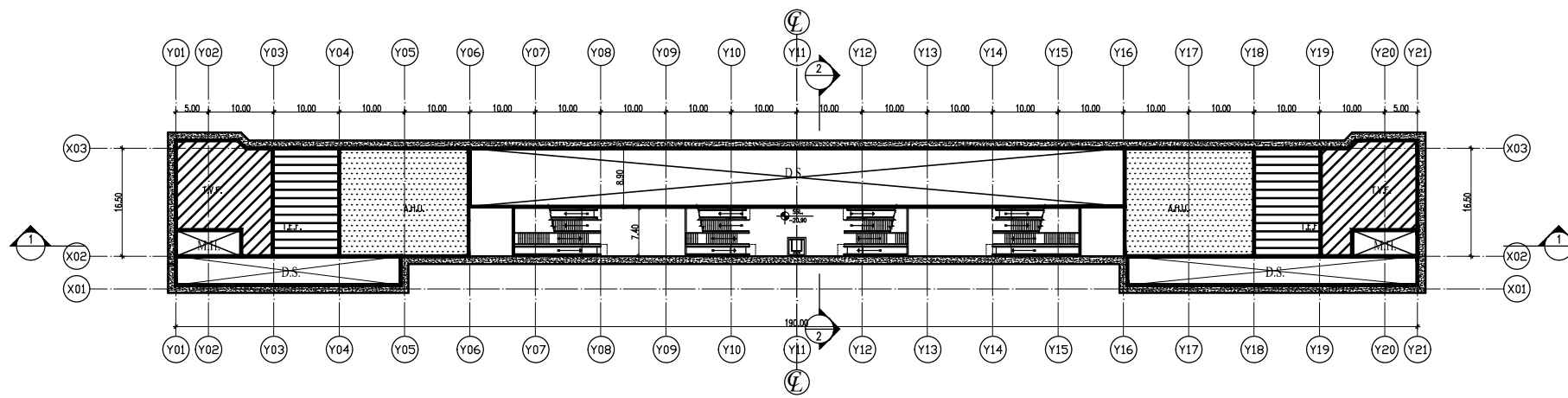
DRAWING TITLE
 STATION NO. (13)
 CONCOURSE LEVEL

DATE OF ISSUE 24.12.2009	SIZE A3
SCALE 1:1000	
DRG No. M4/ST/W13002	
DRG STATUS PRELIMINARY DESIGN	

- T.V.F. ; Tunnel Ventilation Fans
- T.E.F. ; Tunnel Exhaust Fans
- E.R. ; Electric Room
- A.H.U. ; Air Handling Unit
- E.C.S. ; Environmental Control System
- M.H. ; Maintenance Hatch



PLAN B2



PLAN B3

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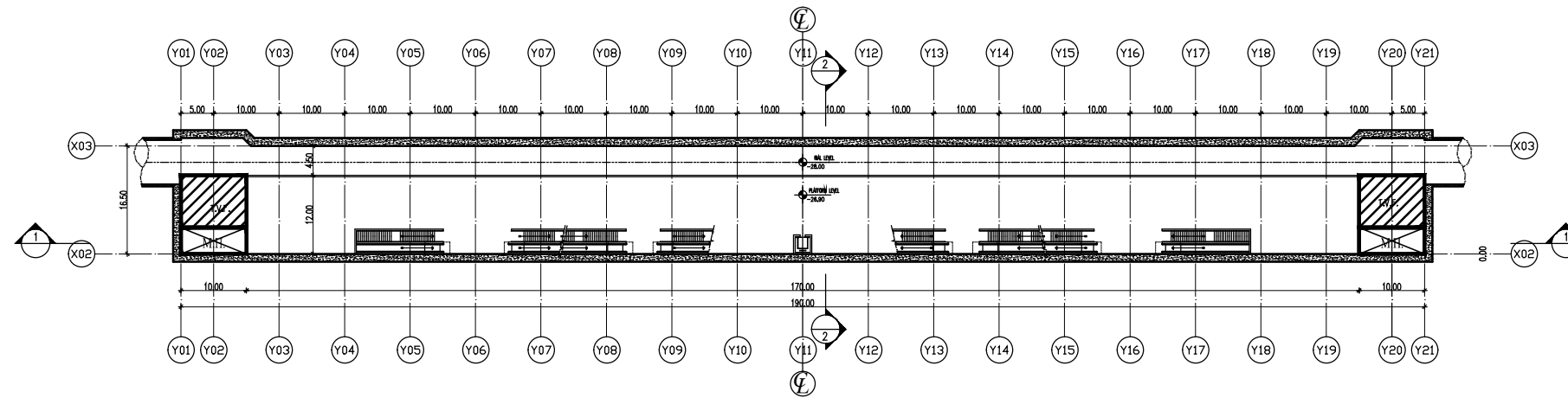
PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

DRAWING TITLE
 STATION NO. (13)
 (B2 & B3)

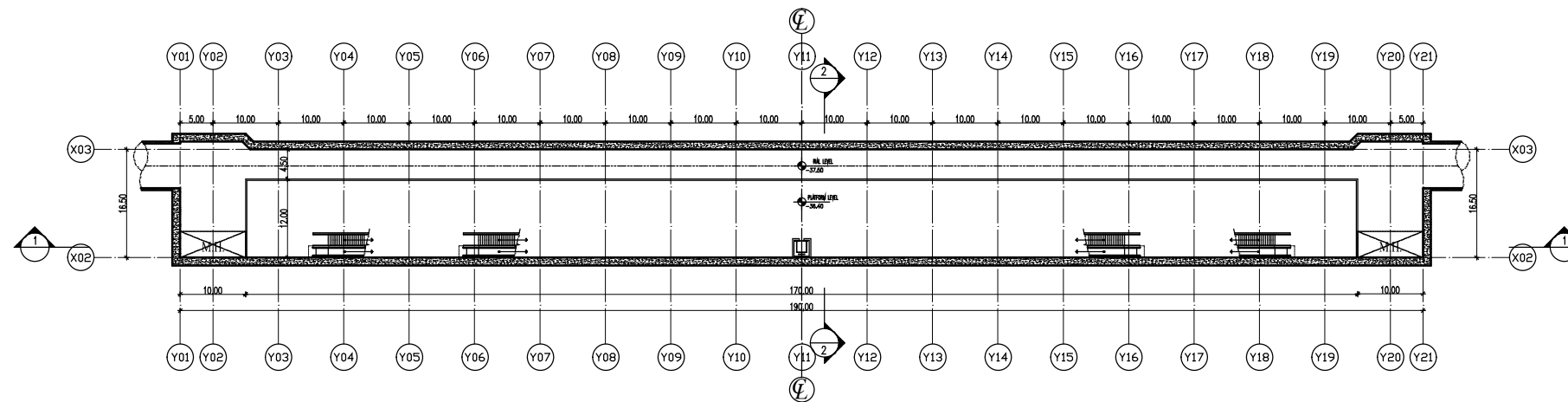
DATE OF ISSUE
 24.12.2009
 SCALE
 1:1000
 DRG No.
 M4/ST/W13003
 DRG STATUS
 PRELIMINARY DESIGN

SIZE
 A3

T.V.F. ; Tunnel Ventilation Fans
T.E.F. ; Tunnel Exhaust Fans
E.R. ; Electric Room
A.H.U. ; Air Handling Unit
E.C.S. ; Environmental Control System
M.H. ; Maintenance Hatch



PLAN B4



PLAN B5

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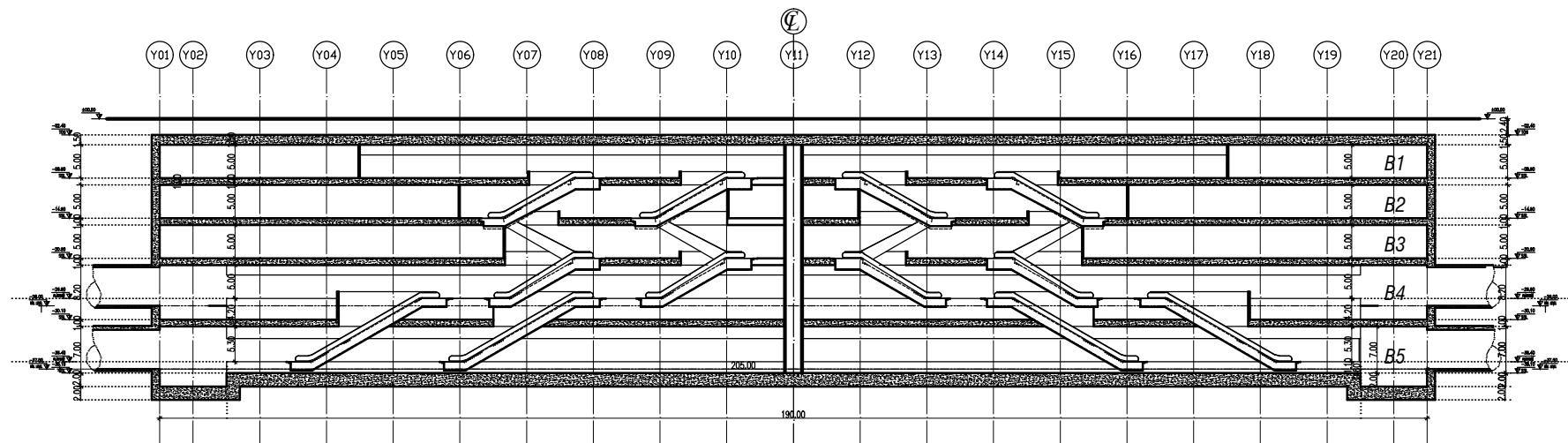
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NATIONAL AUTHORITY FOR
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MINISTRY OF TRANSPORT
ARAB REPUBLIC OF EGYPT

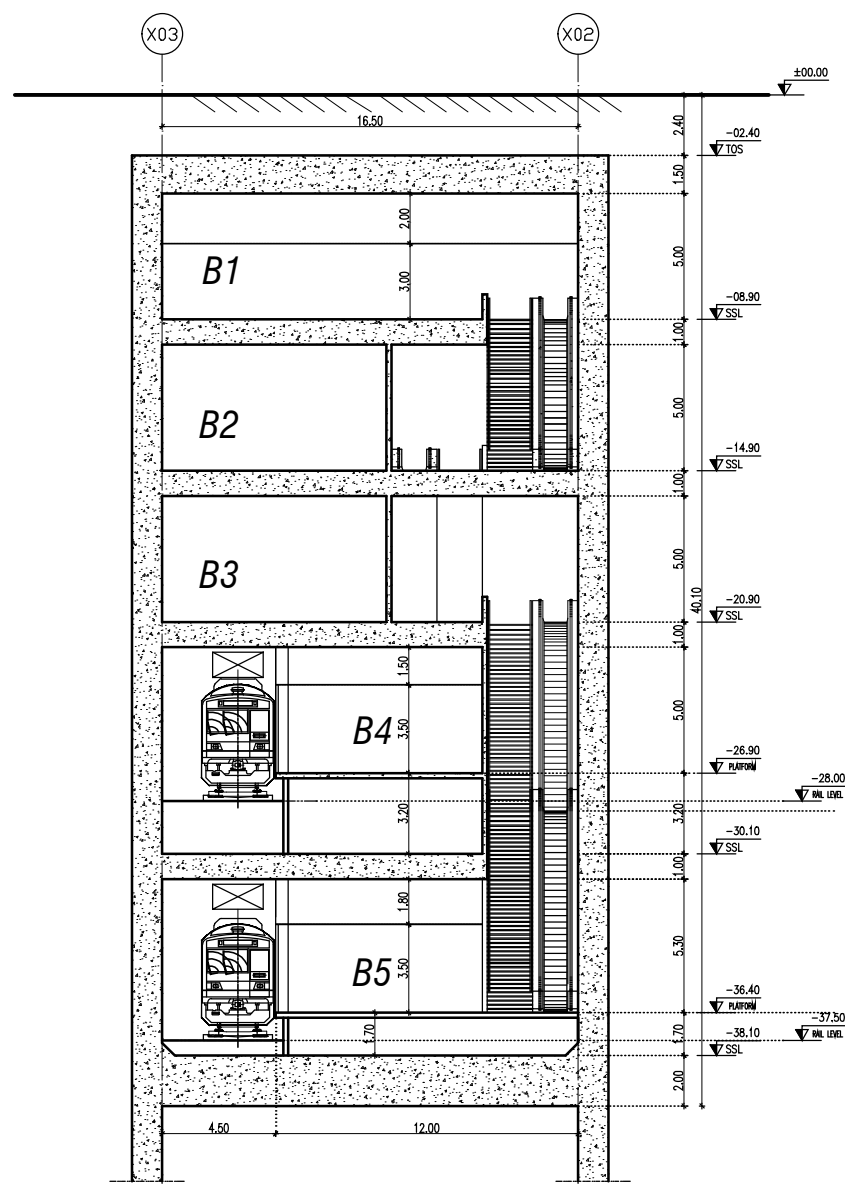
PROJECT NAME
JICA PREPARATORY SURVEY
ON GRATER CAIRO METRO LINE NO.4

DRAWING TITLE
STATION NO. (13)
(B4 & B5)

DATE OF ISSUE 24.12.2009	SIZE A3
SCALE 1:1000	
DRG No. M4/ST/W13004	
DRG STATUS PRELIMINARY DESIGN	



LONGITUDINAL SECTION



CROSS SECTION

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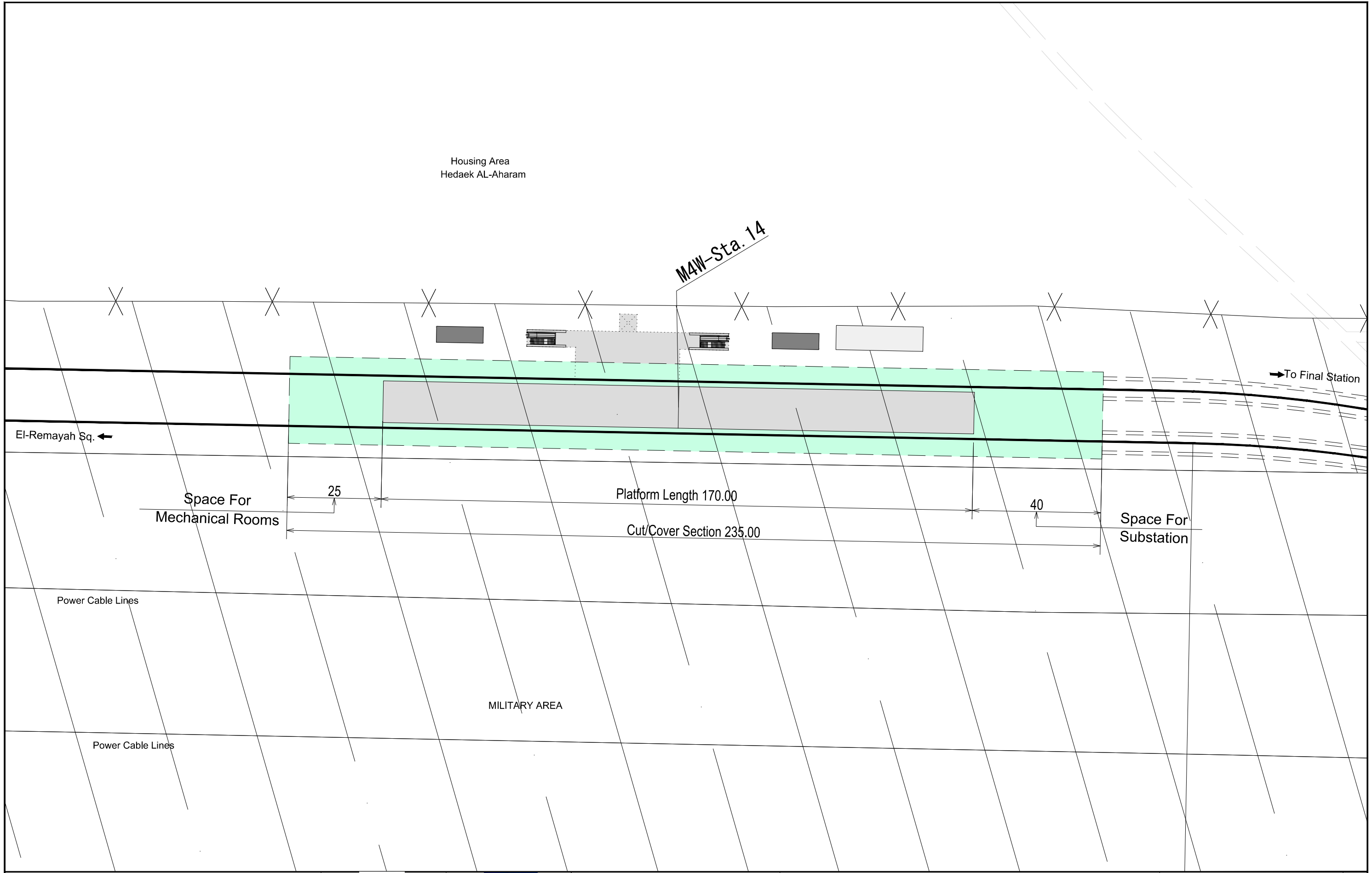
NAT
 NATIONAL AUTHORITY FOR
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 MINISTRY OF TRANSPORT
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PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

DRAWING TITLE

STATION NO. (13)
 LONGITUDINAL
 & CROSS SECTION

DATE OF ISSUE 24.12.2009	SIZE A3
SCALE 1:1000 1:300	
DRG No. M4/ST/W13005	
DRG STATUS PRELIMINARY DESIGN	



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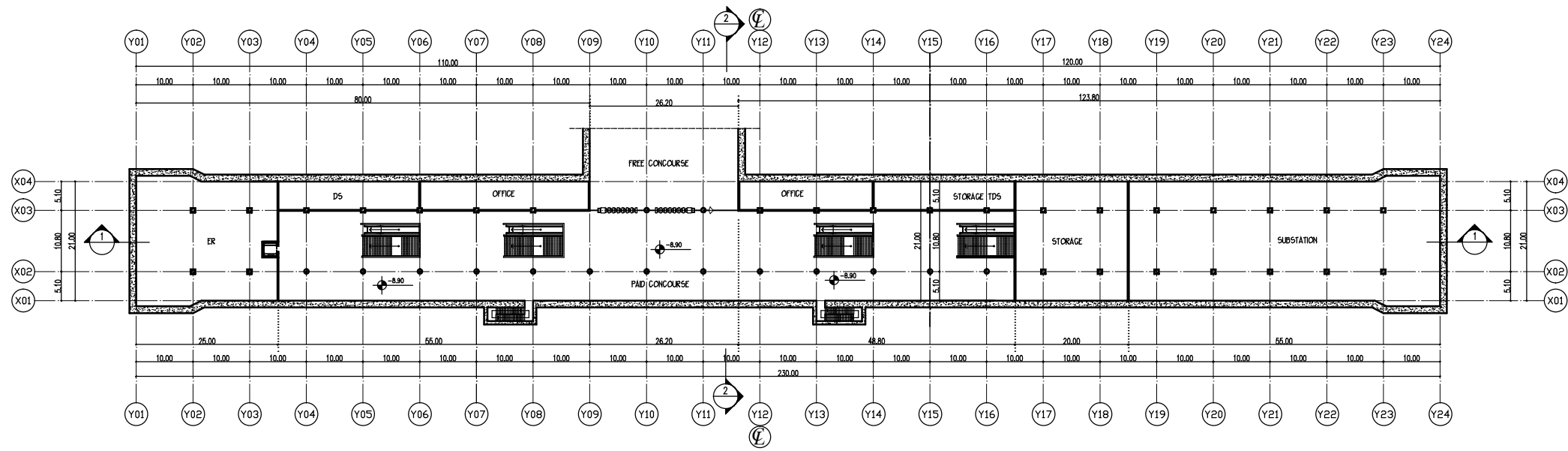
NAT
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 MINISTRY OF TRANSPORT
 ARAB REPUBLIC OF EGYPT

PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

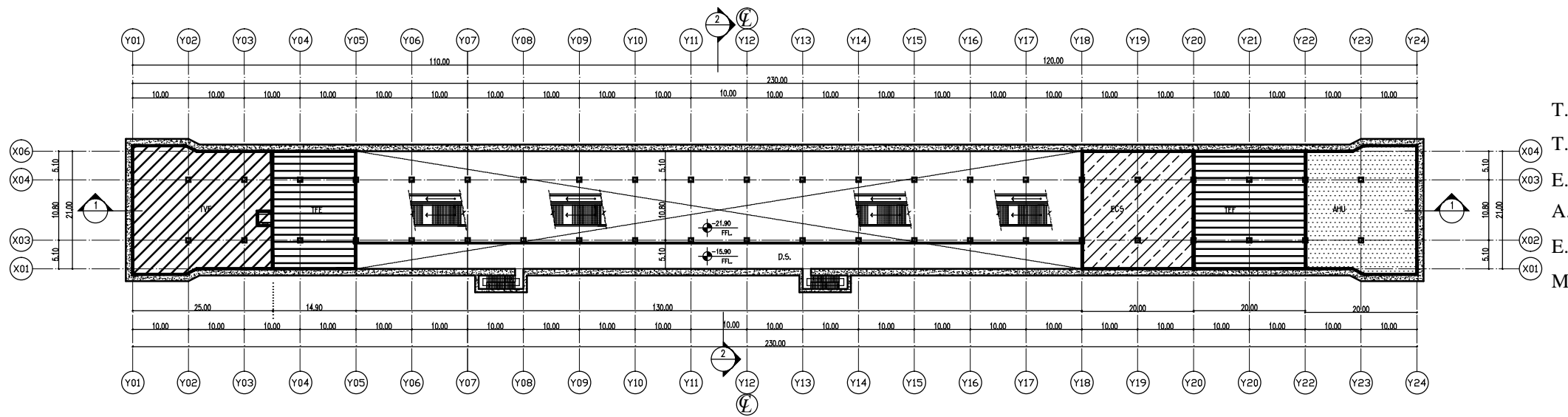
DRAWING TITLE
STATION NO (14)
 STREET LEVEL

DATE OF ISSUE
 24.12.2009
 SCALE
 1:1000
 DRG No.
 M4/ST/WT14001
 DRG STATUS
 PRELIMINARY DESIGN

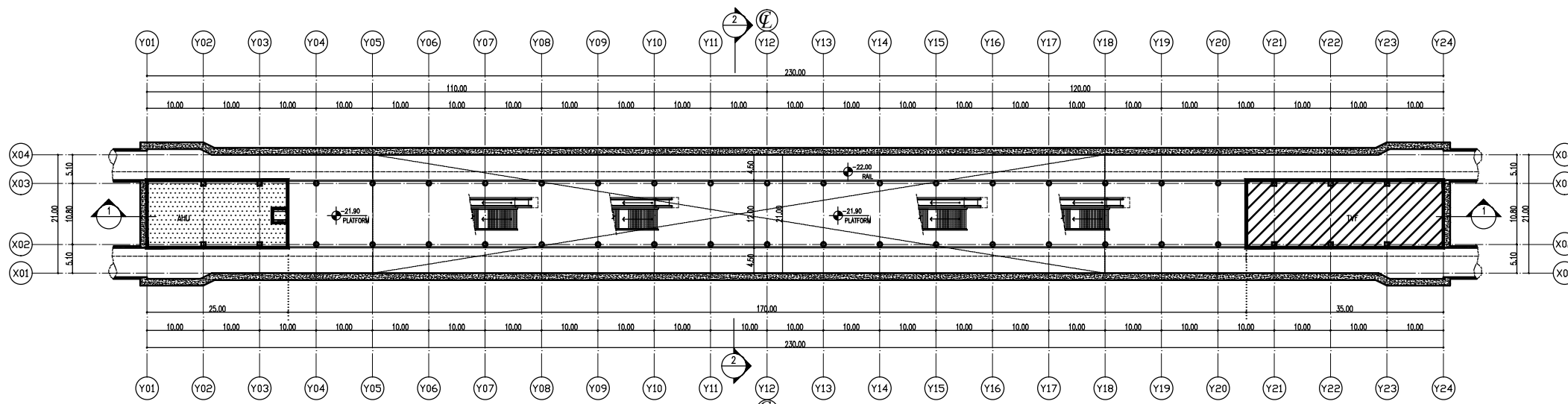
SIZE
 A3



PLAN B1 (CONCOURSE LEVEL)



PLAN B2 (INTERMEDIATE LEVEL)



PLAN B3 (PLATFORM LEVEL)

- T.V.F. ; Tunnel Ventilation Fans
- T.E.F. ; Tunnel Exhaust Fans
- E.R. ; Electric Room
- A.H.U. ; Air Handling Unit
- E.C.S. ; Environmental Control System
- M.H. ; Maintenance Hatch

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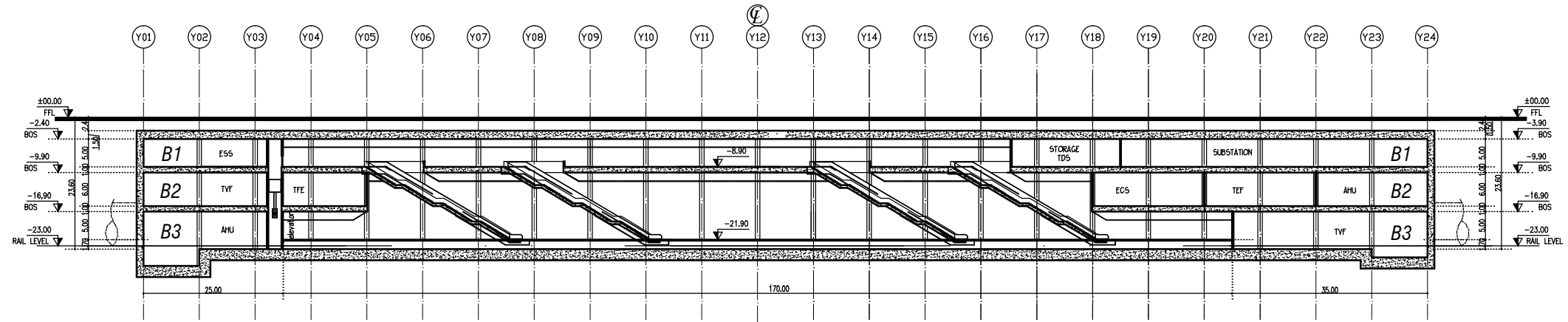
NAT
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PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

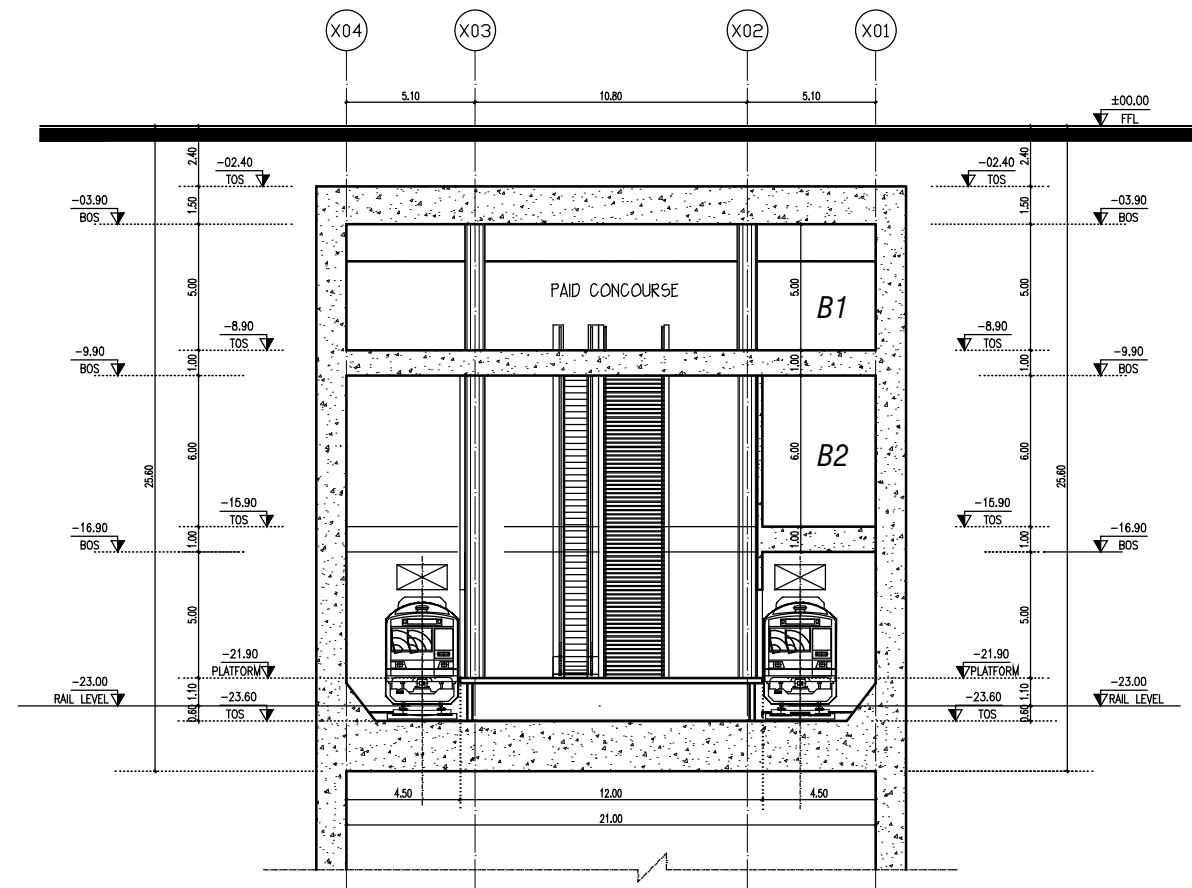
DRAWING TITLE
STATION NO (14)
 CONCOURSE, INTERMEDIATE & PLATFORM LEVEL

DATE OF ISSUE
 24.12.2009
 SCALE
 1:1000
 DRG No.
 M4/ST/WT14002
 DRG STATUS
 PRELIMINARY DESIGN

SIZE
 A3



SECTION 1-1



SECTION 2-2

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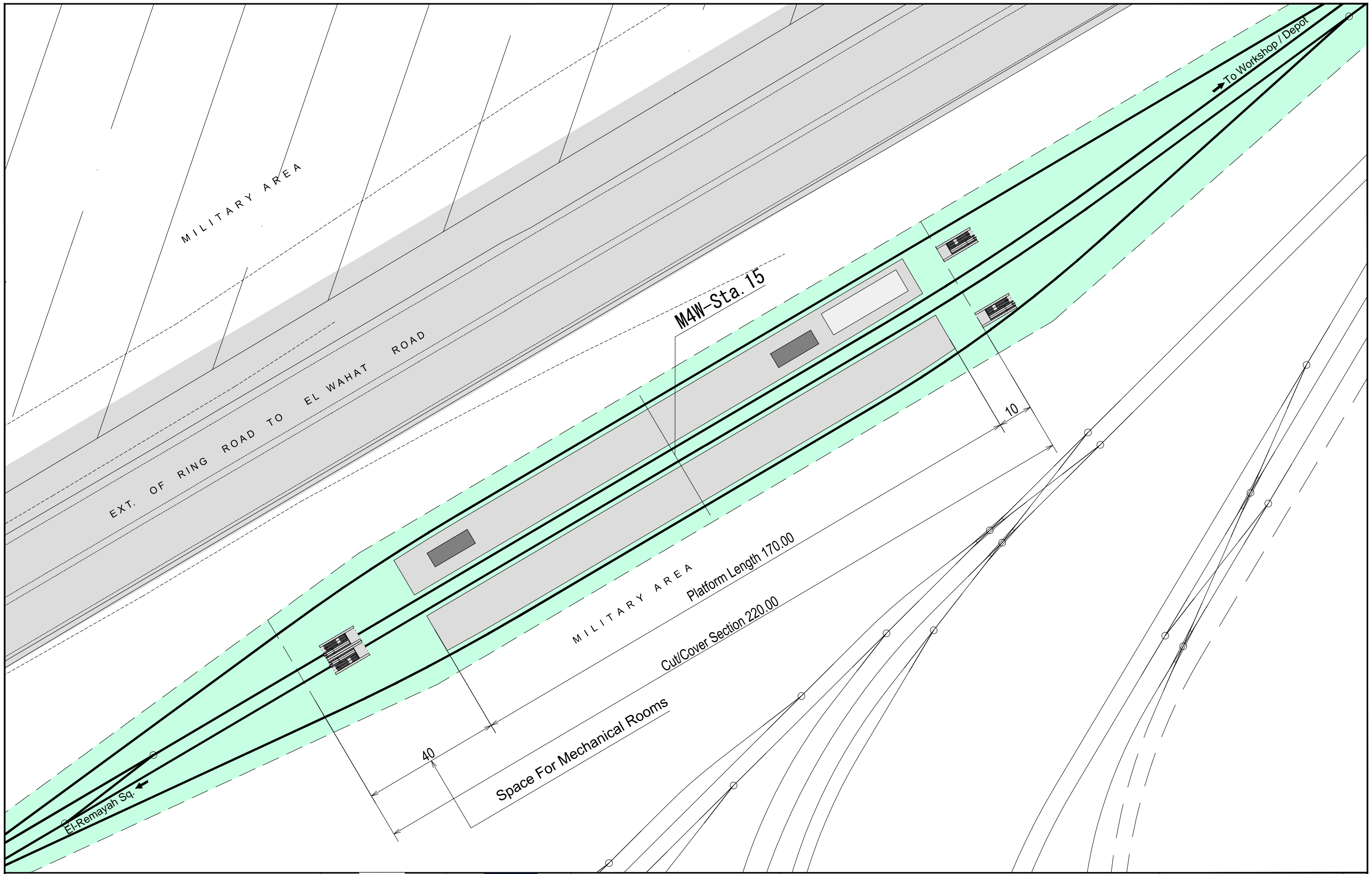
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PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

DRAWING TITLE
 STATION NO (14)
 LONGITUDINAL & CROSS SECTION

DATE OF ISSUE
 24.12.2009
 SCALE
 1:1000
 1:300
 DRG No.
 M4/ST/WT14003
 DRG STATUS
 PRELIMINARY DESIGN
 SIZE
 A3



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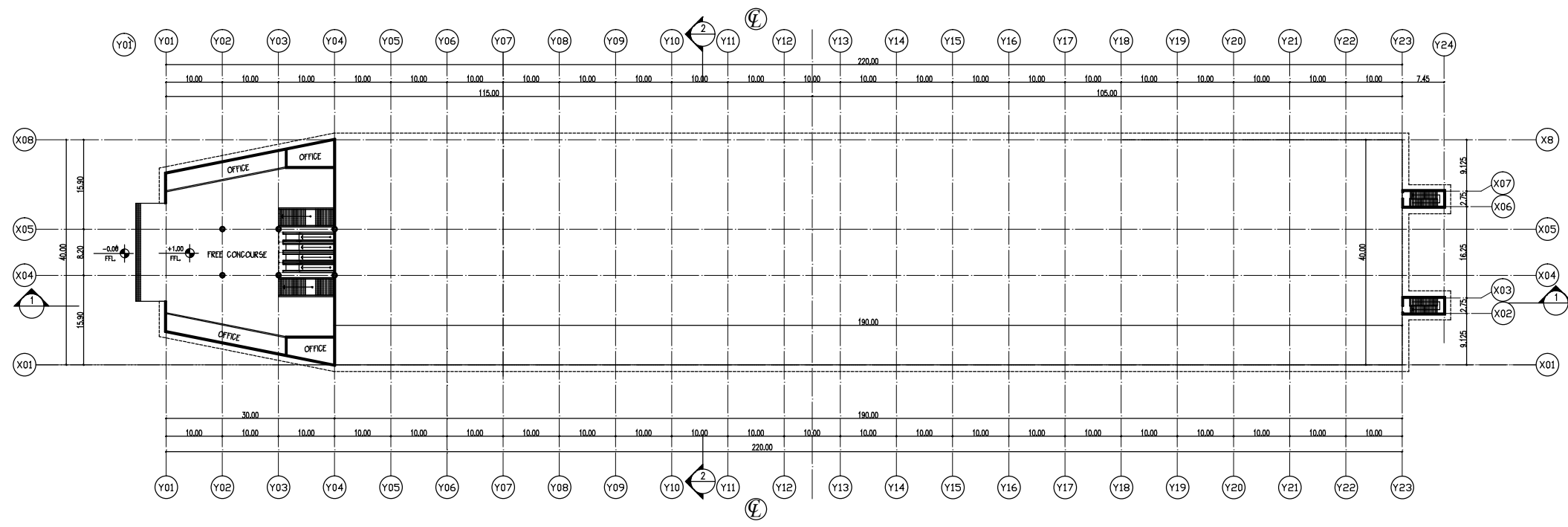
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PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

DRAWING TITLE
STATION NO.15
STREET LEVEL

DATE OF ISSUE 24.12.2009	SIZE A3
SCALE 1:1000	
DRG No. M4/ST/W15001	
DRG STATUS PRELIMINARY DESIGN	



PLAN AT (STREET LEVEL)

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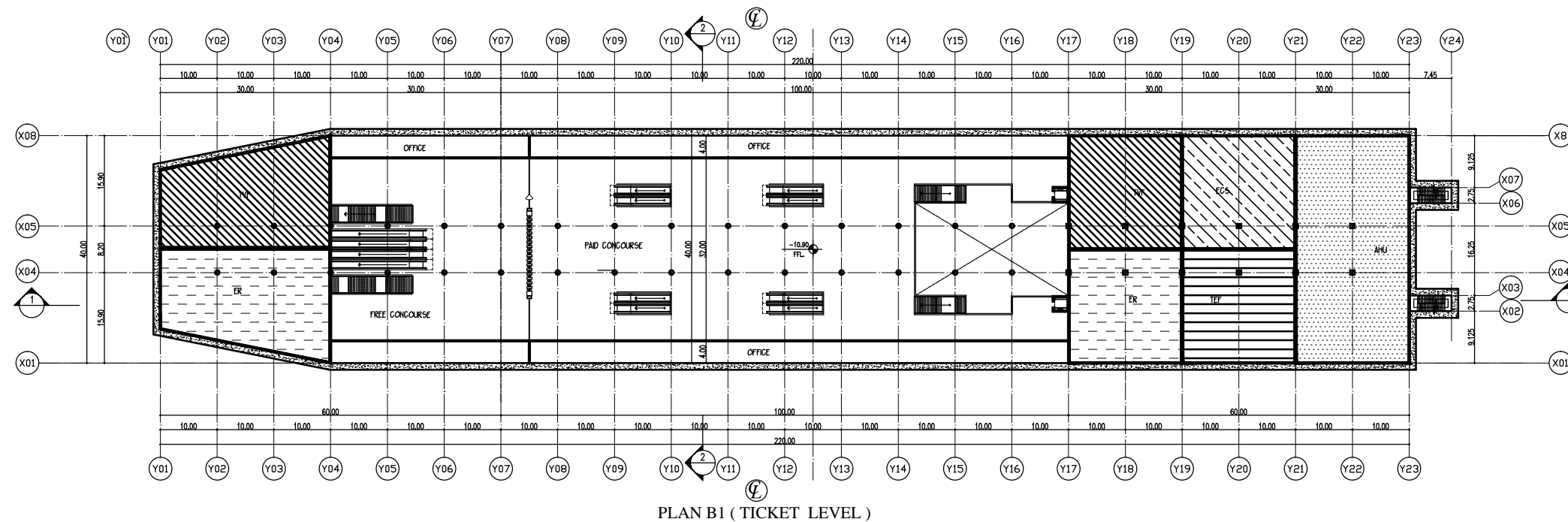
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 ARAB REPUBLIC OF EGYPT

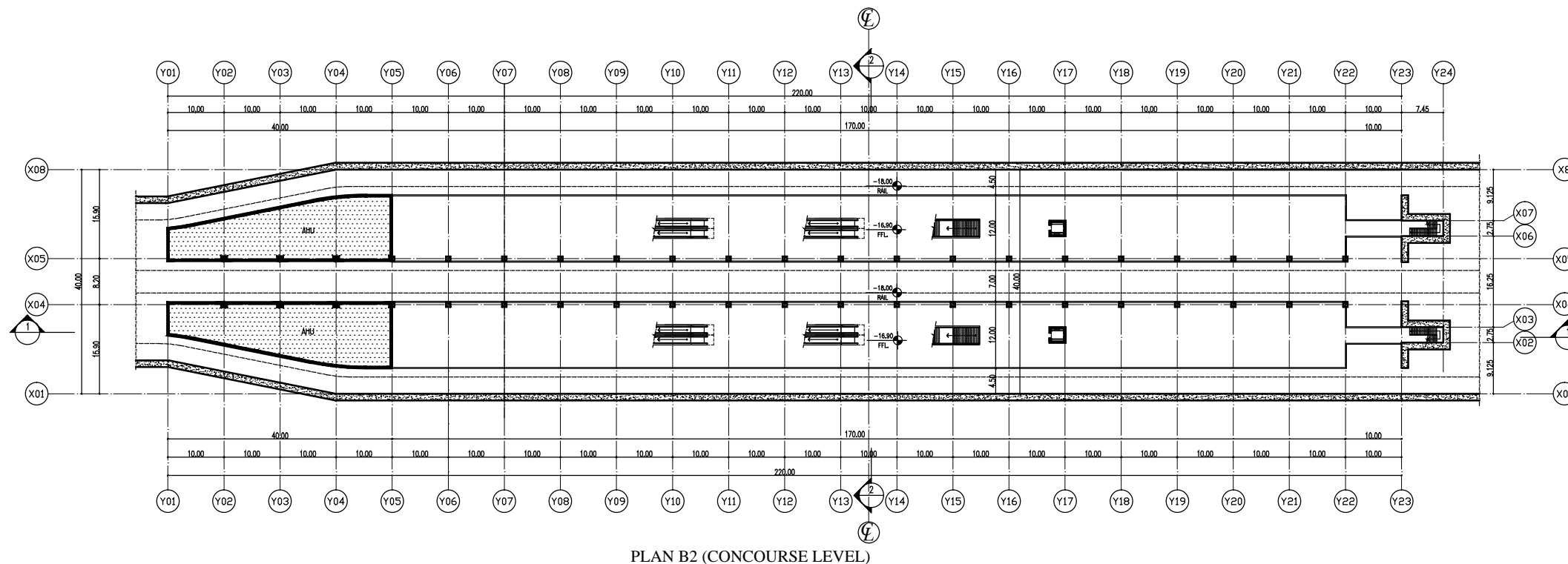
PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

DRAWING TITLE
 STATION NO.15
 FREE CONCOURSE LEVEL

DATE OF ISSUE 24.12.2009	SIZE A3
SCALE 1:1000	
DRG No. M4/ST/W15002	
DRG STATUS PRELIMINARY DESIGN	



PLAN B1 (TICKET LEVEL)



PLAN B2 (CONCOURSE LEVEL)

- T.V.F. ; Tunnel Ventilation Fans
- T.E.F. ; Tunnel Exhaust Fans
- E.R. ; Electric Room
- A.H.U. ; Air Handling Unit
- E.C.S. ; Environmental Control System
- M.H. ; Maintenance Hatch

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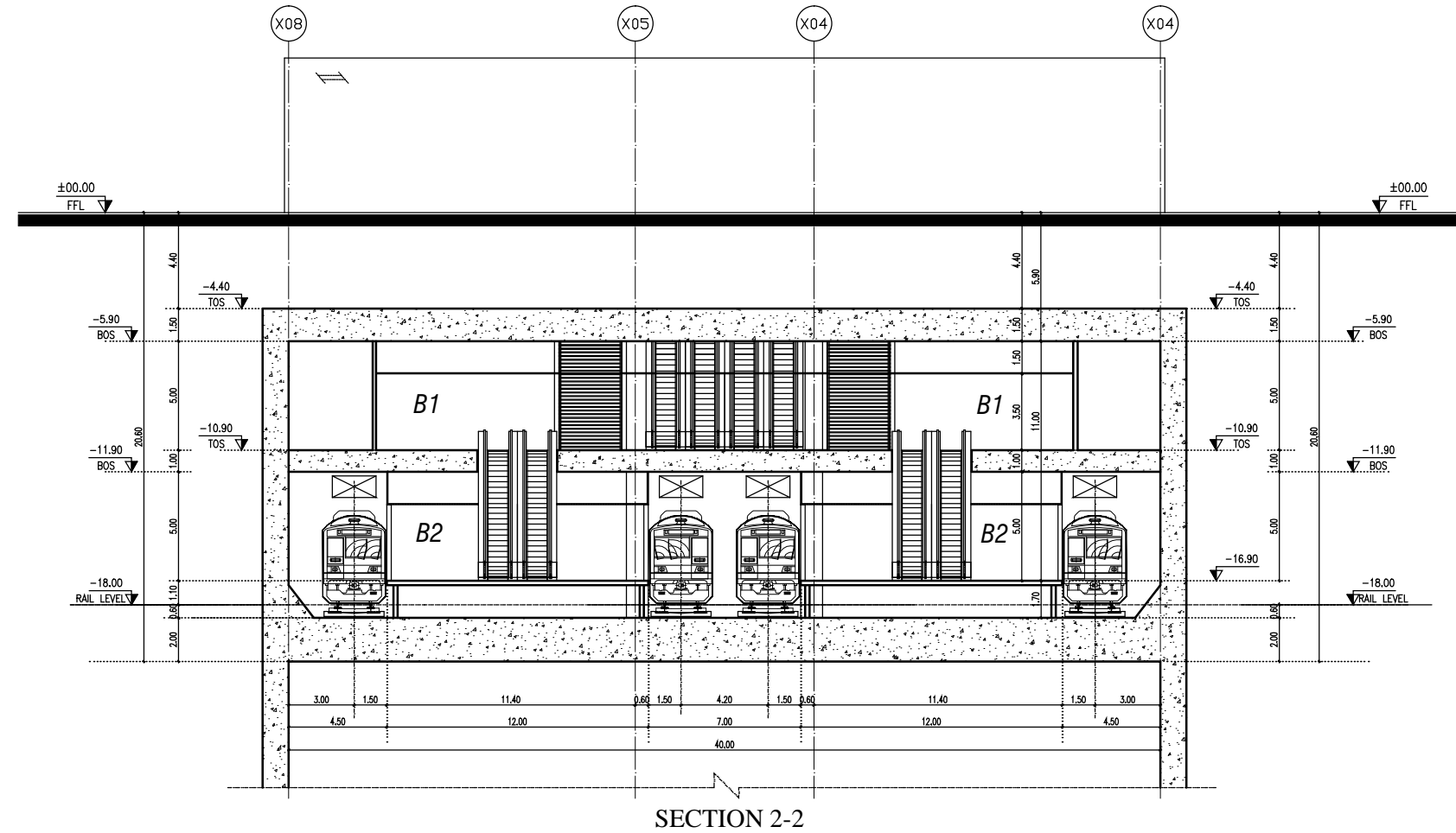
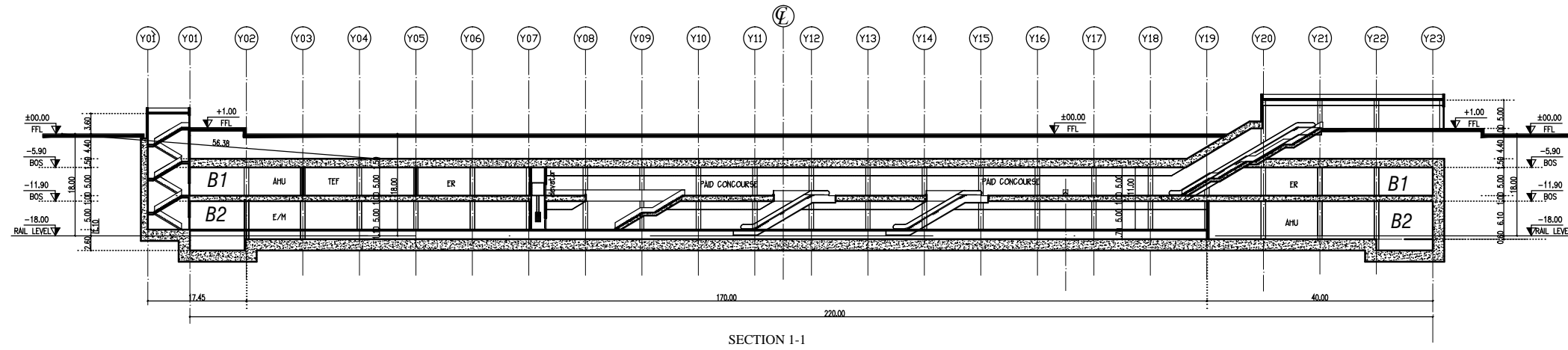
PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

DRAWING TITLE
 STATION NO.15
 PAID CONCOURSE LEVEL
 & PLATFORM LEVEL

DATE OF ISSUE 24.12.2009	SIZE A3
SCALE 1:1000	
DRG No. M4/ST/W15003	
DRG STATUS PRELIMINARY DESIGN	

air Control System

Hatch



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 NATIONAL AUTHORITY FOR
 TUNNELS (NAT)
 MINISTRY OF TRANSPORT
 ARAB REPUBLIC OF EGYPT

PROJECT NAME
 JICA PREPARATORY SURVEY
 ON GRATER CAIRO METRO LINE NO.4

DRAWING TITLE
STATION NO.15
LONGITUDINAL & CROSS SECTION

DATE OF ISSUE
 24.12.2009
 SCALE 1:1000
 1:300
 DRG No.
 M4/ST/W15004
 DRG STATUS
 PRELIMINARY DESIGN

SIZE
 A3