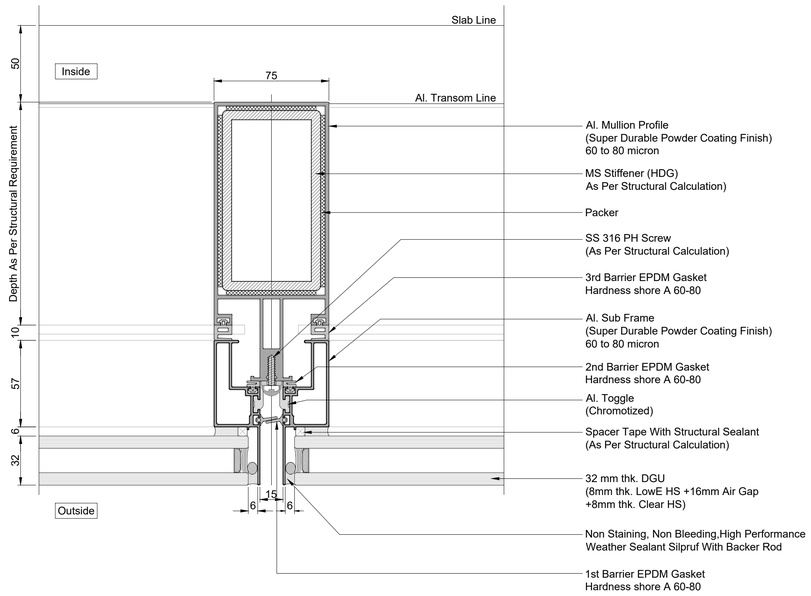
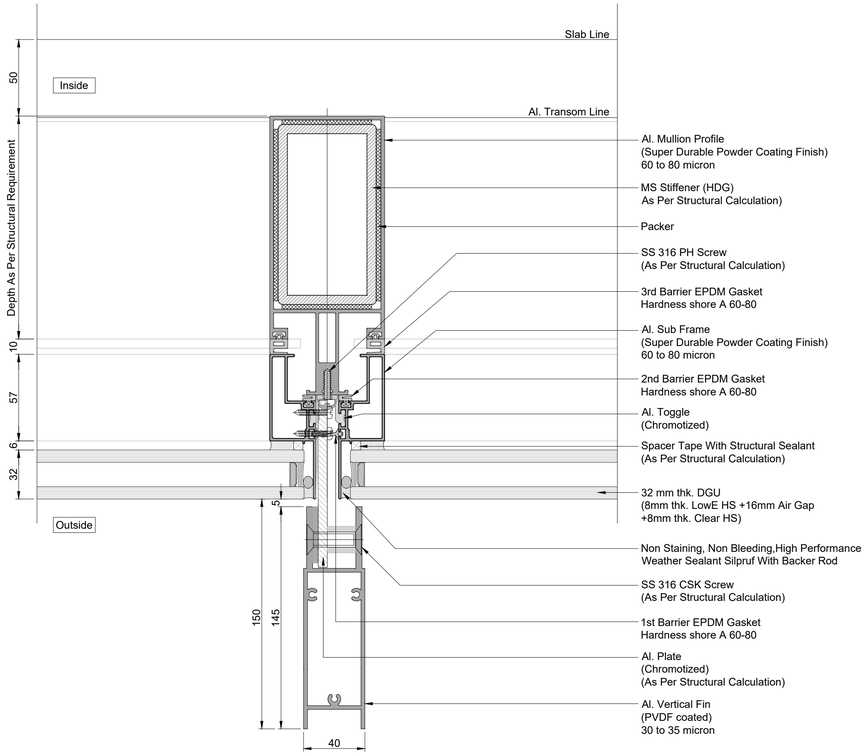
TITLE: TIDEL PARK MADURAI
SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

DWG NO A-4001-02.1



DET 01 TYPICAL MULLION DETAIL
SCALE: 1:2



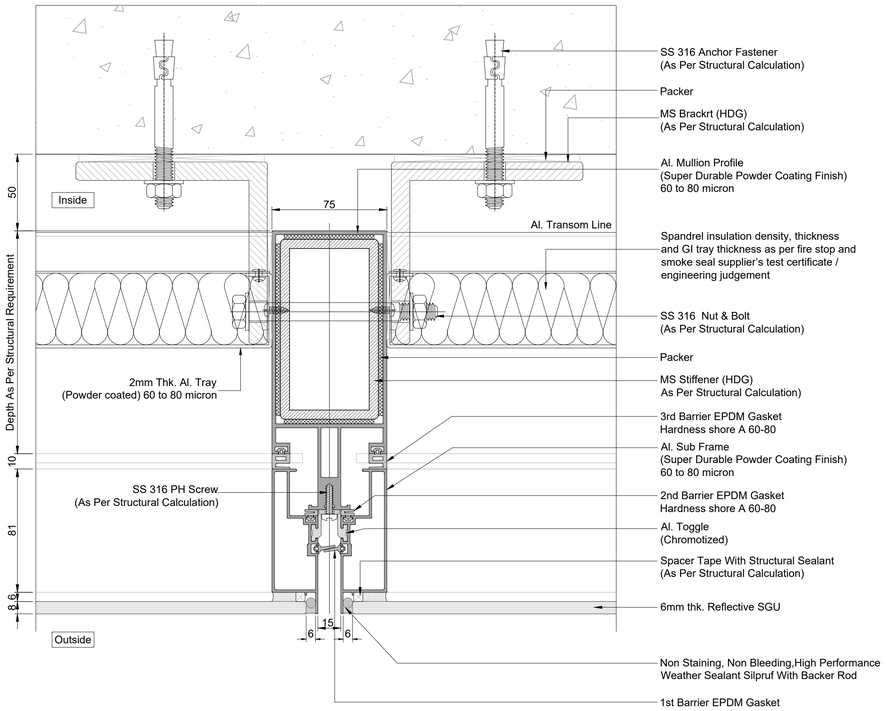
DET 02 MULLION DETAIL WITH VERTICAL CAPPING
SCALE: 1:2

NORTH

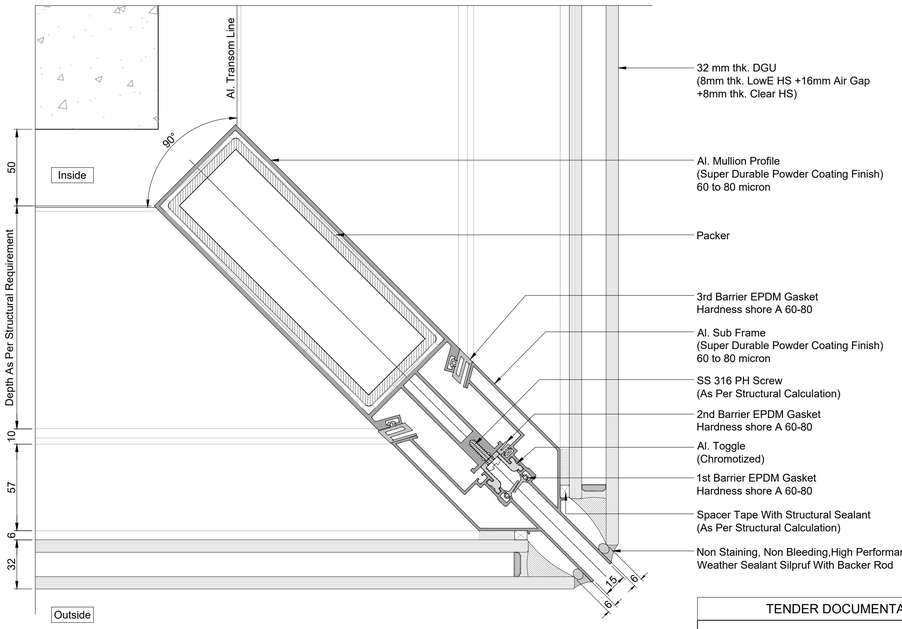
NOTES:

1. All dimension are in mm unless otherwise specified.
2. All alum. structural profile thickness min.1.8 mm and at mechanical engagement location should be min. 2.5mm
3. All the externally visible surfaces shall have PVDF coating of 30 - 35 micron confirming to AAMA 2605. Internally visible surfaces shall have SDF coating of 70 - 80 micron confirming to AAMA 2604. Concealed aluminum surfaces shall have minimum chromotizing treatment. Shade approval to be taken from Client / Architect.
4. Concealed MS structure to be Hot Dip Galvanized & exposed MS structure with 2 coat of epoxy and 3rd coat of PU paint.
5. Anchor assemblies to have sq. washers which are tack welded to brackets.
6. All anchor to be designed for crack concrete condition and should be min. M10
7. G.I sheet 1.2mm Thk. for water membrane.
8. Alum. weather bar to be provided at operable locations.
9. All drawings to be read in conjunction with tender BOQ & technical specification
10. Dead load brackets (horizontal slot) to have tack welded sq. washers.
11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:



DET 03 MULLION DETAIL AT SPANDREL LOCATION
SCALE: 1:2



DET 04 CORNER MULLION DETAIL
SCALE: 1:2

TENDER DOCUMENTATION

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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE 01-06-2024
					CLEARED									

CLIENT :
TIDEL
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

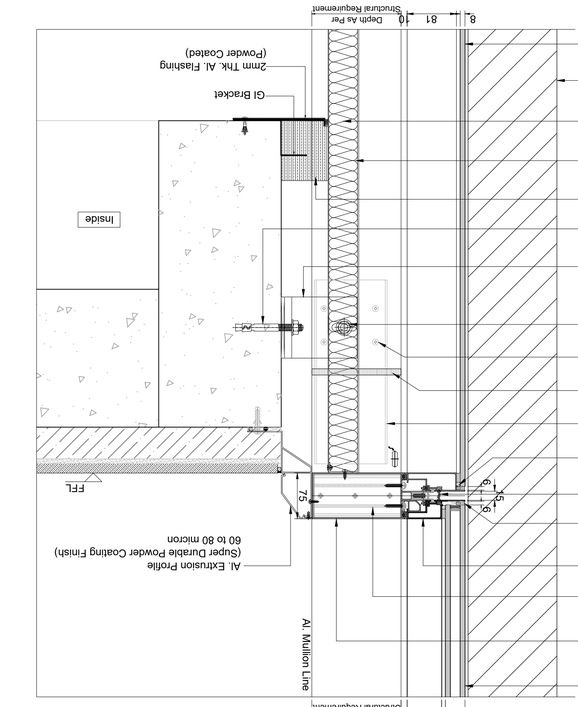
SCALE : –	DWG NO. A-4001-02.1	ISSUE R1
DC & DISC : MUM-CV		

FILE NAME : A-4001-02.1 -glazing part ele. (SW) &(SE)

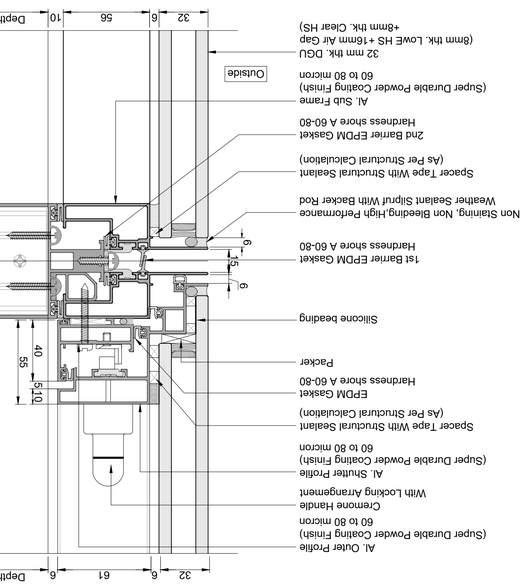
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

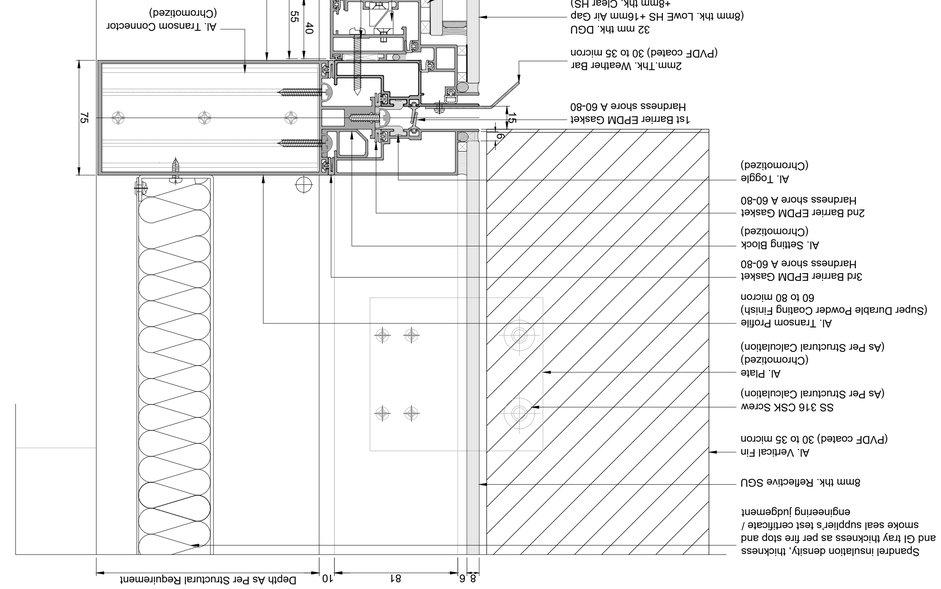
TCE FORM NO. 091 R1



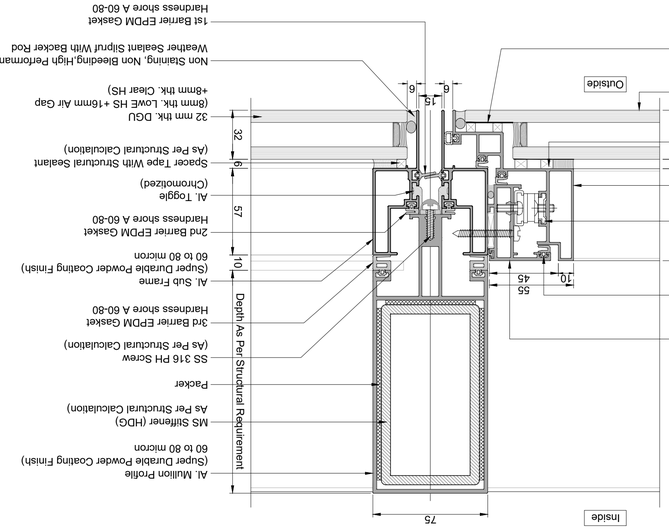
DET 08 SCALE: 1:5 — MULLION FIXING DETAIL AT SLAB LEVEL



DET 07 SCALE: 1:2 — TRANSOM WITH TOP HUNG WINDOW BOTTOM DETAIL



DET 05 SCALE: 1:2 — TYPICAL MULLION DETAIL WITH TOP HUNG WINDOW



DET 06 SCALE: 1:2 — TRANSOM WITH TOP HUNG WINDOW TOP DETAIL

NORTH

NOTES:

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2. All alum. structural profile thickness min.1.8 mm and at mechanical engagement location should be min. 2.5mm
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10. Dead load brackets (horizontal slot) to have tack welded sq. washers.
11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

ISSUE		DRN	DSN	CHD	CLEARED								PE/PM	APPD	DATE
					CV	EL	IC	EV	HVAC	FF	PL				
R1	SIGN.	Shaloy	Jmt	Dalu											DATE
	INITIALS	OMKAR	AB	VV											30-07-2024
	REVISIONS														
R0	SIGN.	Shaloy	Jmt	Dalu											DATE
	INITIALS	OMKAR	AB	VV											01-06-2024

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

TIDEL PARK MADURAI

SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

SCALE : –

DWG NO. **A-4001-02.2**

D.C & DISC : MUM-CV

ISSUE R1

TCE FORM NO. 091 R1

FILE NAME : A-4001-02.2 -glazing part ele. (SW) &(SE)

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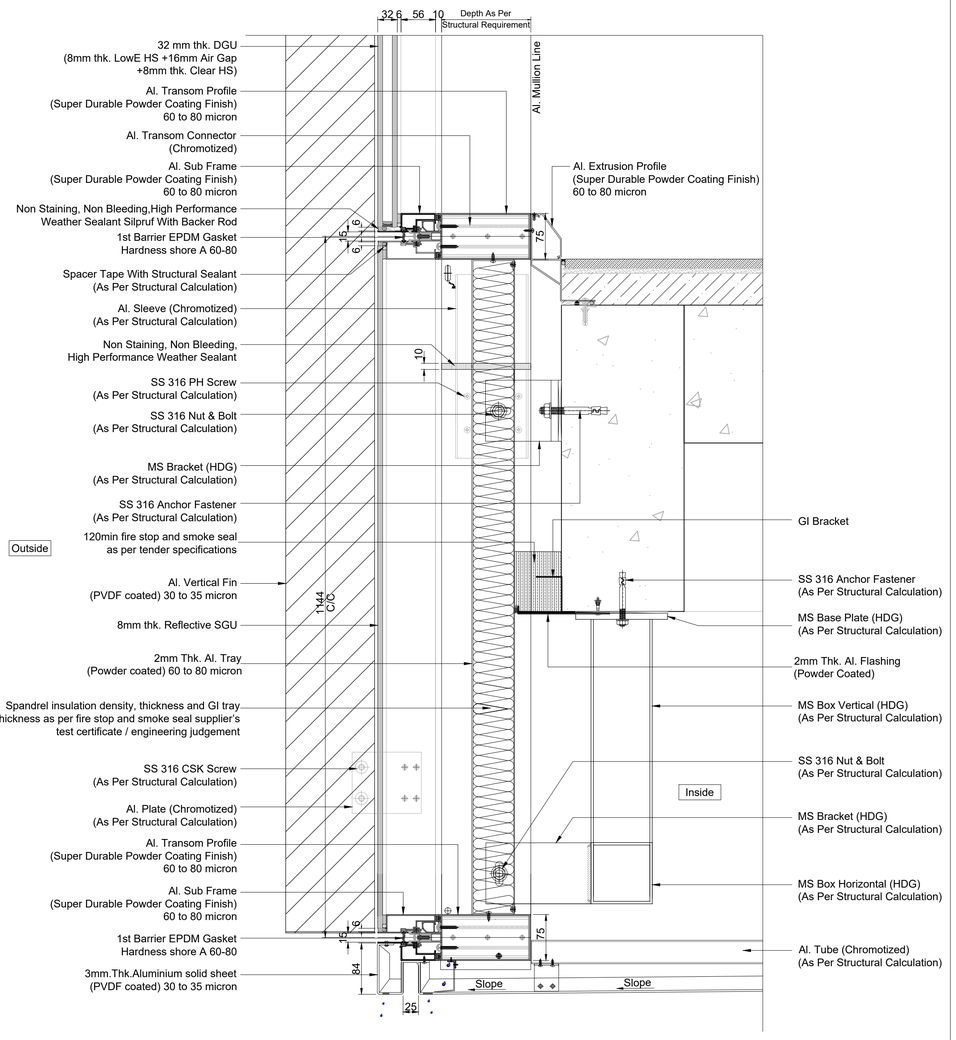
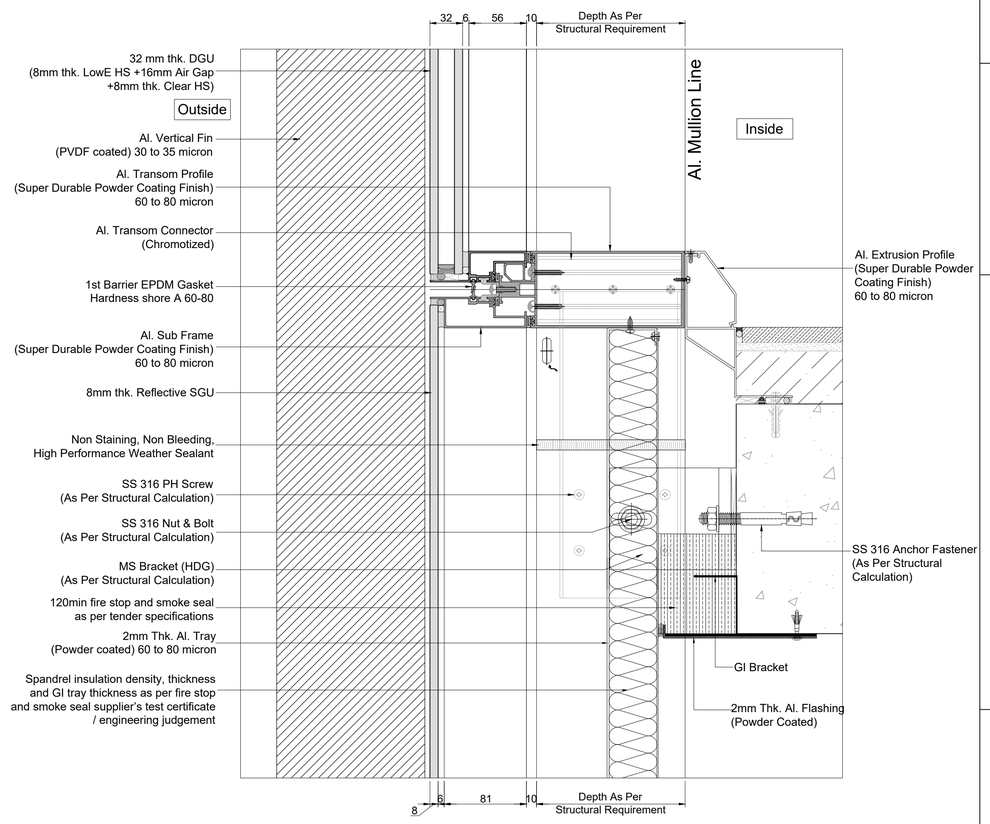
DWG NO	TITLE:
A-4001-02.3	TIDEL PARK MADURAI SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS



DET 09 MULLION & TRANSOM FIXING DETAIL WITH SOFFIT CLADDING
SCALE: 1:5



DET 10 MULLION FIXING DETAIL AT SLAB LEVEL
SCALE: 1:3

NORTH

NOTES:

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11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									01-06-2024

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

TENDER DOCUMENTATION

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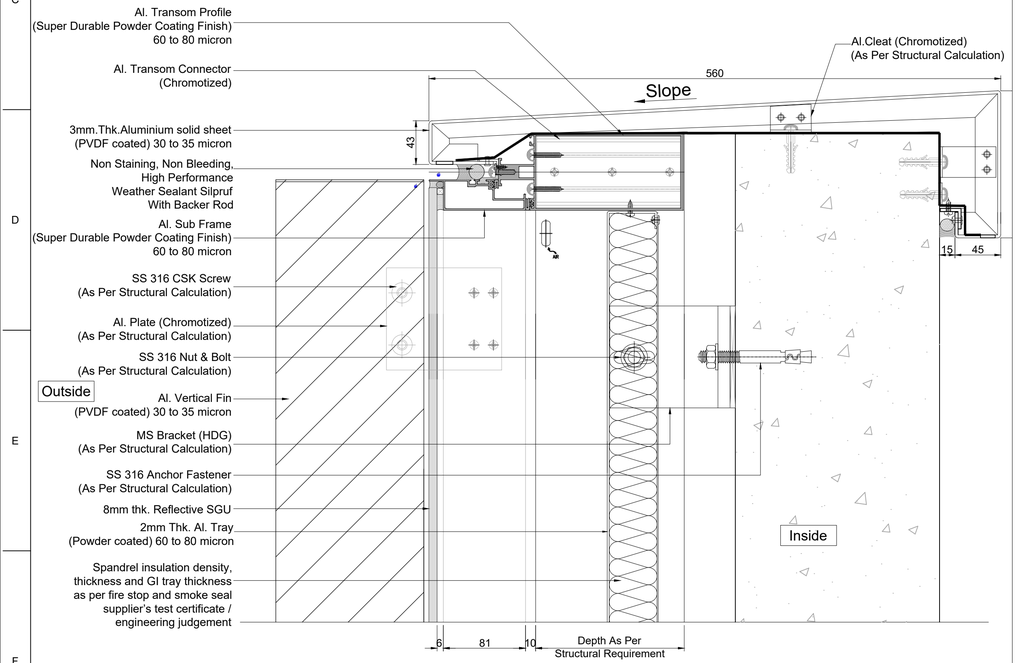
	DC & DISC : MUM-CV		SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

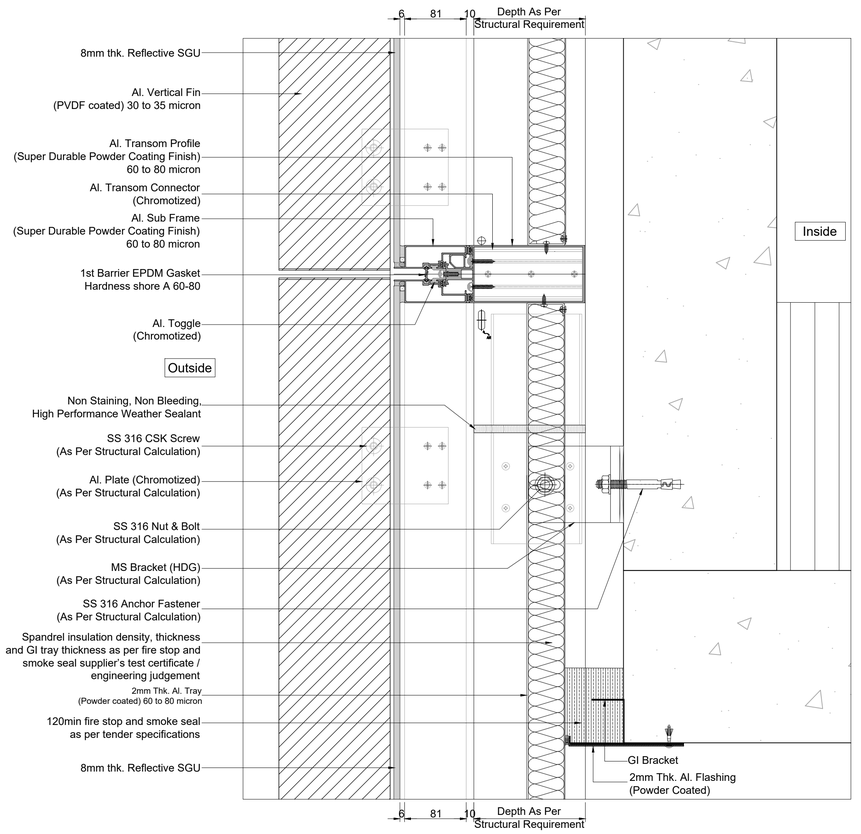
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

DWG NO A-4001-02.4



DET 11 TOP MULLION FIXING DETAIL WITH COPPING
SCALE: 1:3



DET 12 MULLION FIXING DETAIL WITH SLEEVE
SCALE: 1:4

NORTH

NOTES:

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7. G.I sheet 1.2mm Thk. for water membrane.
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9. All drawings to be read in conjunction with tender BOQ & technical specification
10. Dead load brackets (horizontal slot) to have tack welded sq. washers.
11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE 01-06-2024
					CLEARED									

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TENDER DOCUMENTATION

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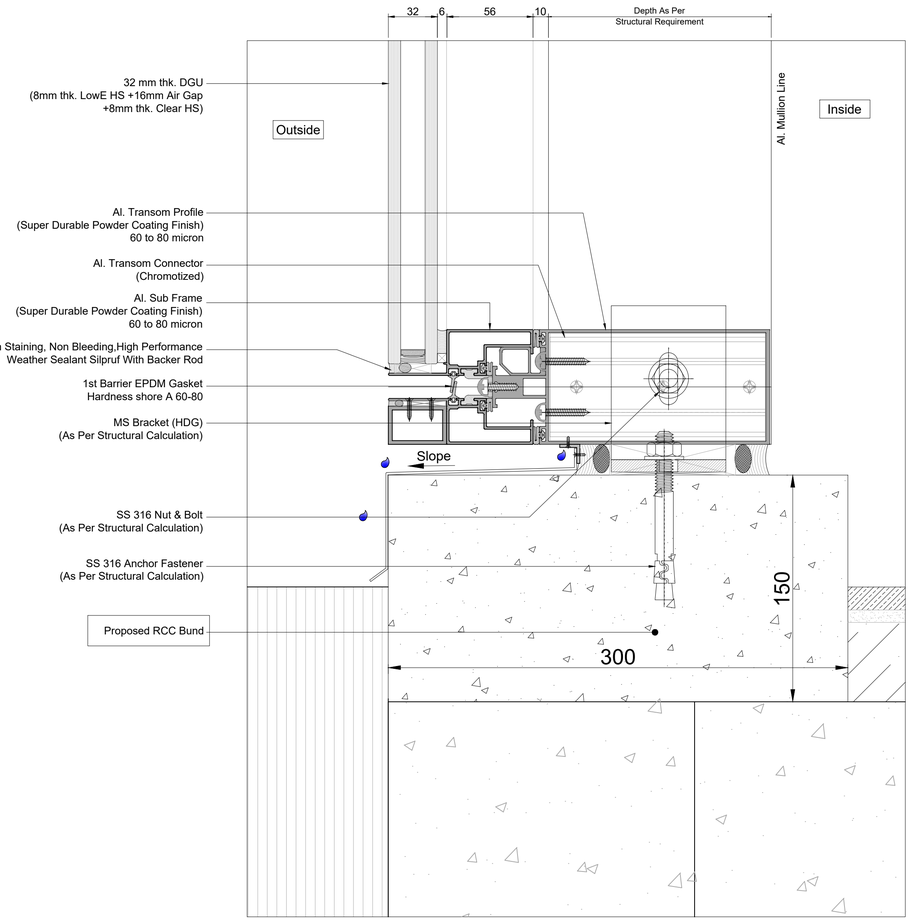
TITLE: TIDEL PARK MADURAI
SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

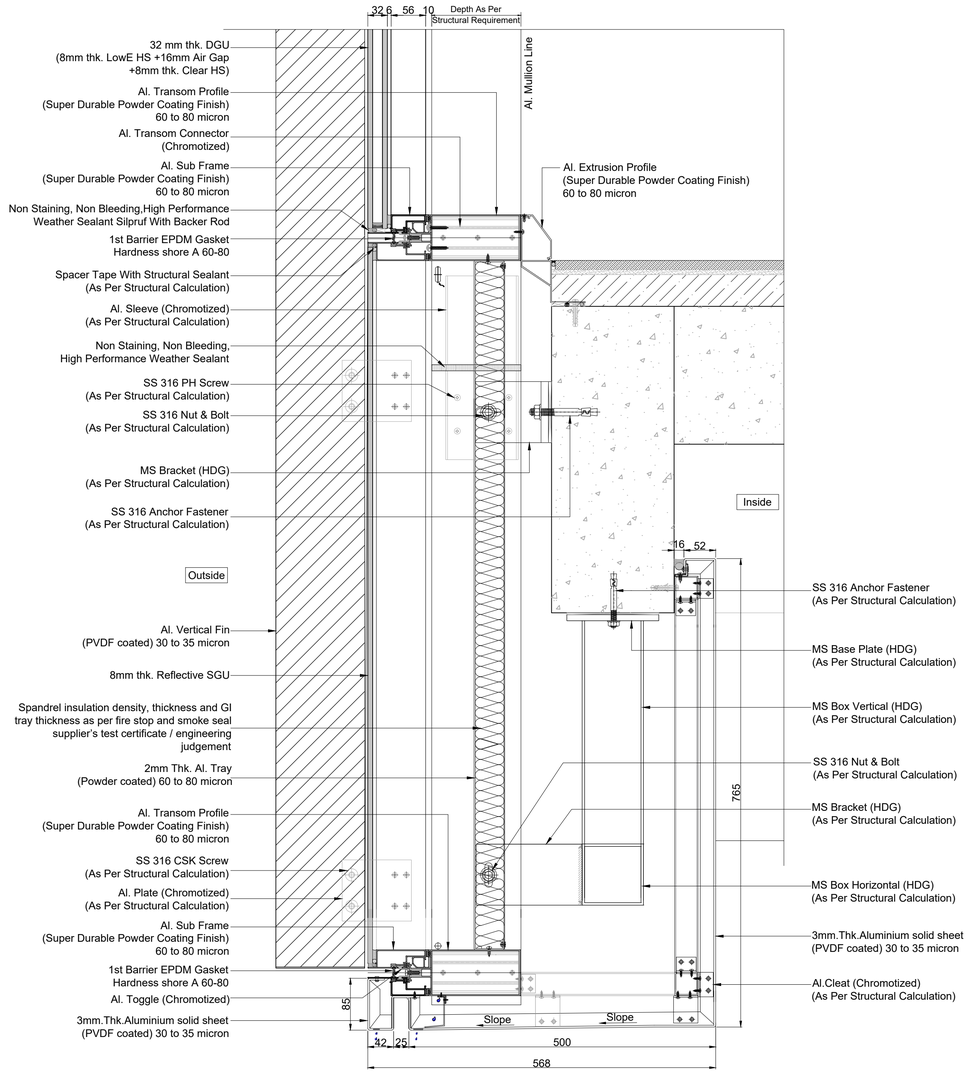
FILE NAME : A-4001-02.4 -glazing part ele. (SW) &(SE)	SCALE : –	DWG NO. A-4001-02.4	ISSUE R1
	DC & DISC : MUM-CV		SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1



DET 13 BOTTOM MULLION FIXING DETAIL WITH TRANSOM
SCALE: 1:2



DET 14 BOTTOM MULLION & TRANSOM FIXING DETAIL WITH SOFFIT CLADDING
SCALE: 1:5

NORTH

NOTES:

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CONSTRUCTION REFERENCE DRAWINGS:

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	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									01-06-2024

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CLIENT : TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED, MUMBAI

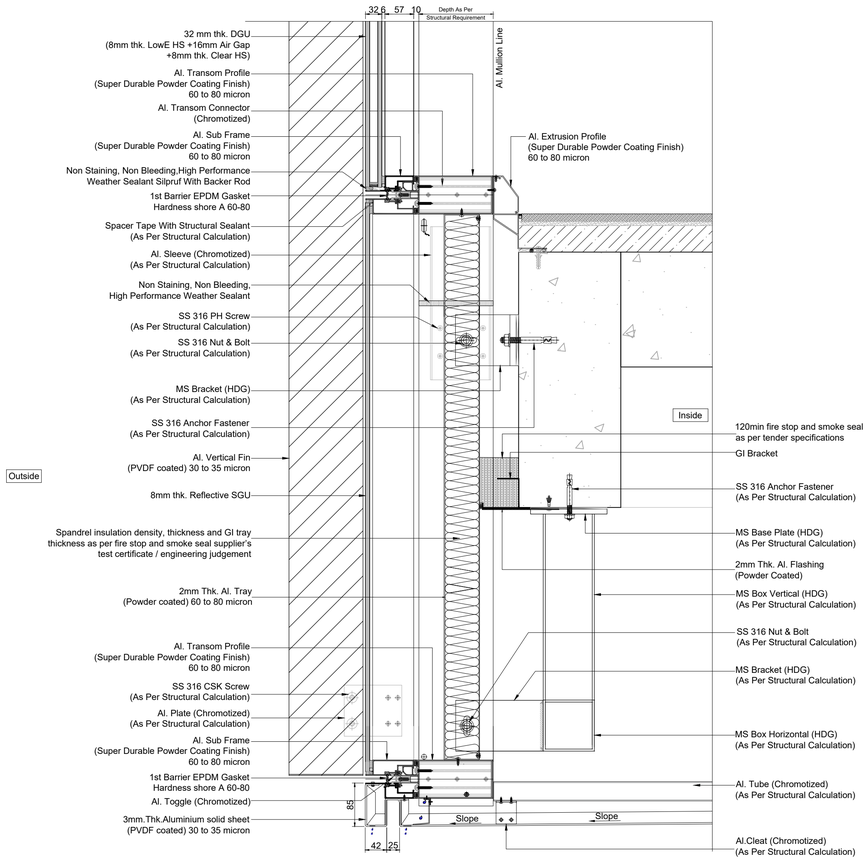
TITLE: TIDEL PARK MADURAI
SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

SCALE : –
DC & DISC : MUM-CV
FILE NAME : A-4001-02.5 -glazing part ele. (SW) &(SE)
DWG NO. A-4001-02.5
ISSUE R1
SIZE-A1

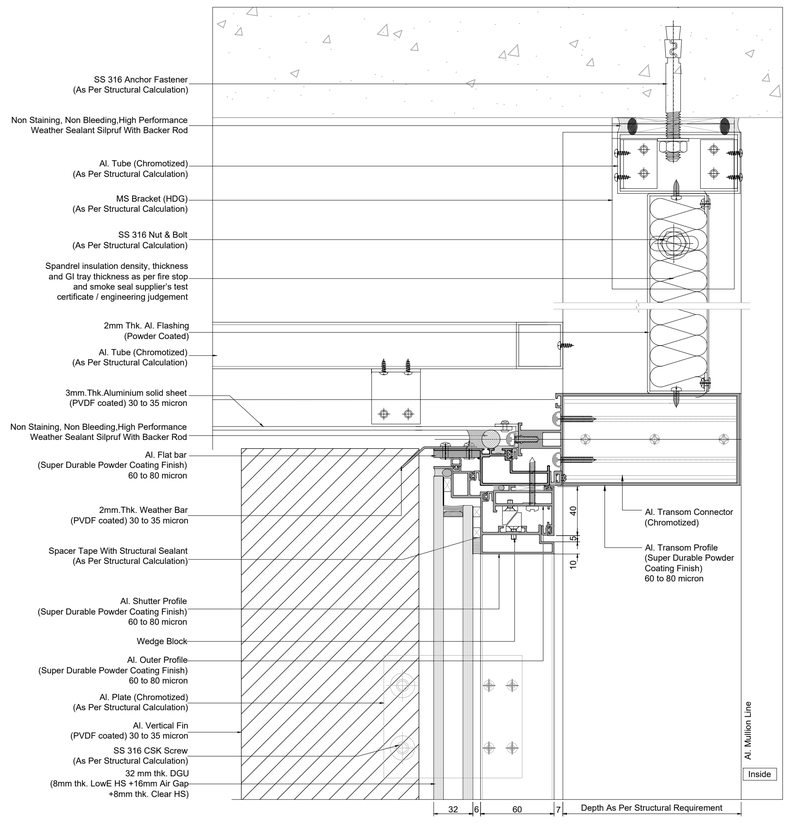
FILE NAME: F-091-Rev-R1.dwg
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

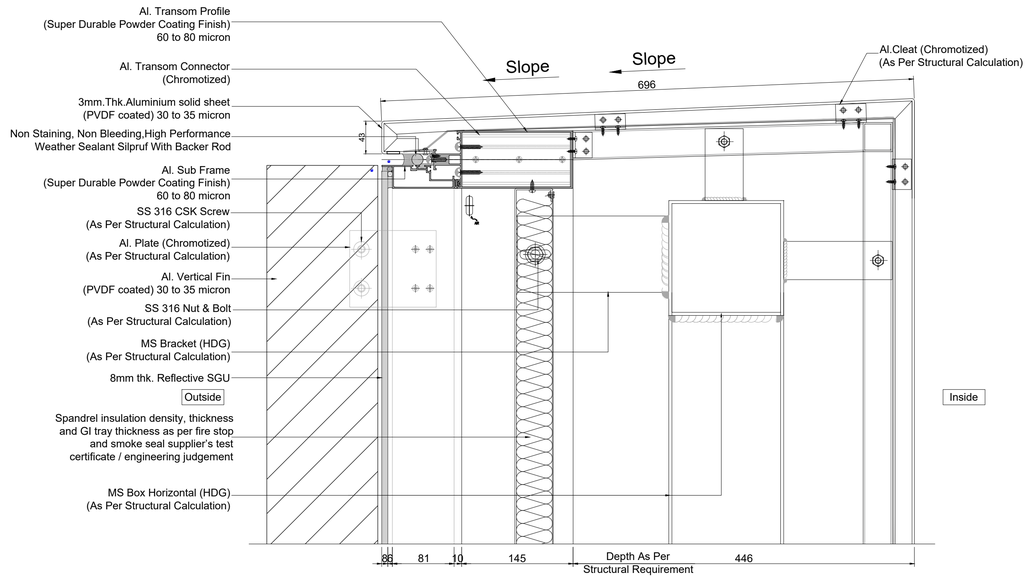
DWG NO A-4001-02.6



DET 15 MULLION FIXING WITH BOTTOM COPPING DETAIL
SCALE: 1:8



DET 17 OPENABLE TOP SECTION DETAIL AT FIN LOACTION
SCALE: 1:2.5



DET 16 TOP COPPING SECTION DETAIL
SCALE: 1:4

NORTH

NOTES:

1. All dimension are in mm unless otherwise specified.
2. All alum. structural profile thickness min.1.8 mm and at mechanical engagement location should be min. 2.5mm
3. All the externally visible surfaces shall have PVDF coating of 30 - 35 micron confirming to AAMA 2605. Internally visible surfaces shall have SDF coating of 70 - 80 micron confirming to AAMA 2604. Concealed aluminum surfaces shall have minimum chromotizing treatment. Shade approval to be taken from Client / Architect.
4. Concealed MS structure to be Hot Dip Galvanized & exposed MS structure with 2 coat of epoxy and 3rd coat of PU paint.
5. Anchor assemblies to have sq. washers which are tack welded to brackets.
6. All anchor to be designed for crack concrete condition and should be min. M10
7. G.I sheet 1.2mm Thk. for water membrane.
8. Alum. weather bar to be provided at operable locations.
9. All drawings to be read in conjunction with tender BOQ & technical specification
10. Dead load brackets (horizontal slot) to have tack welded sq. washers.
11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

R1	SIGN.													DATE
	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									01-06-2024

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FILE NAME : A-4001-02.6 -glazing part ele. (SW) &(SE)

CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED, MUMBAI

TITLE: TIDEL PARK MADURAI

SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

SCALE	: –	DWG NO.	ISSUE
DC & DISC	: MUM-CV	A-4001-02.6	R1

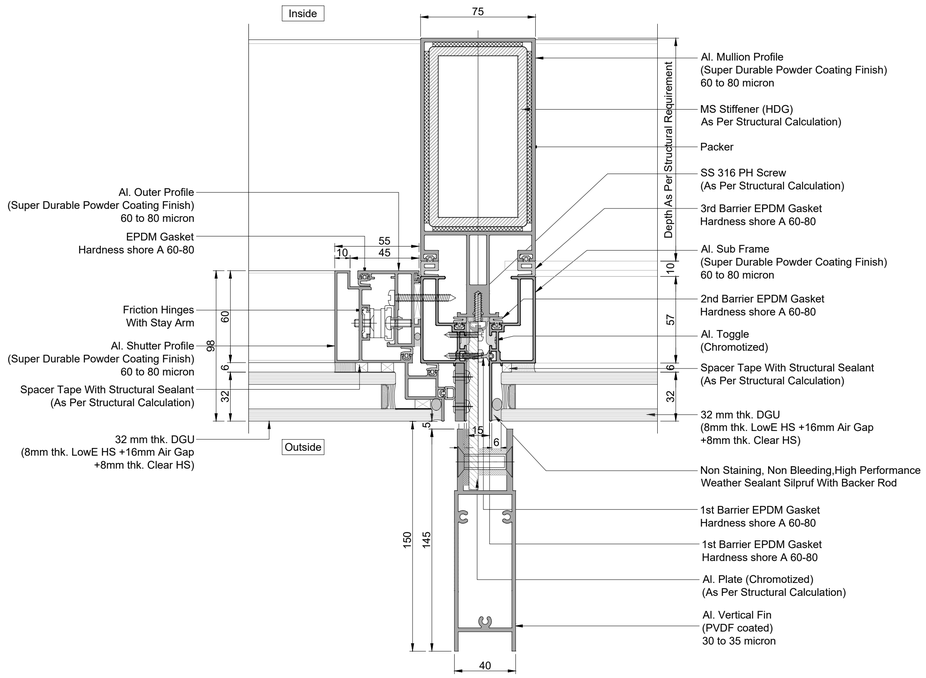
SIZE-A1

TCE FORM NO. 091 R1

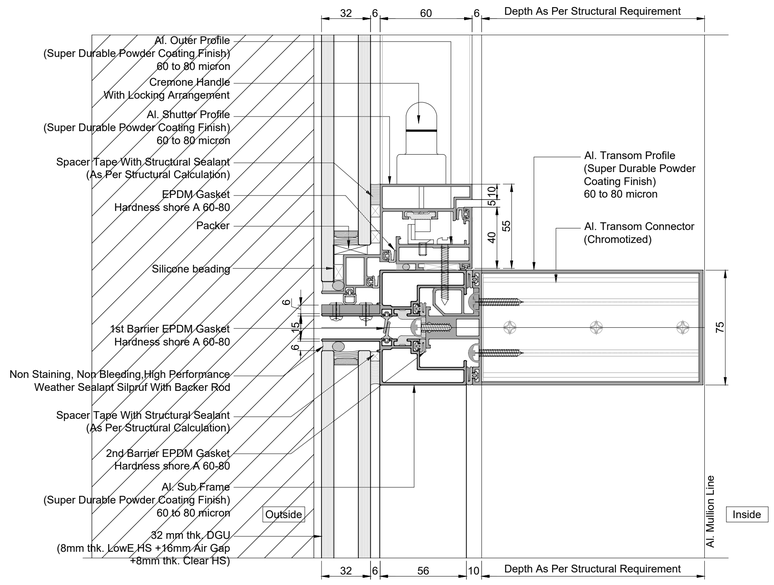
FILE NAME: F-091-Rev-R1.dwg

TITLE: TIDEL PARK MADURAI
SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

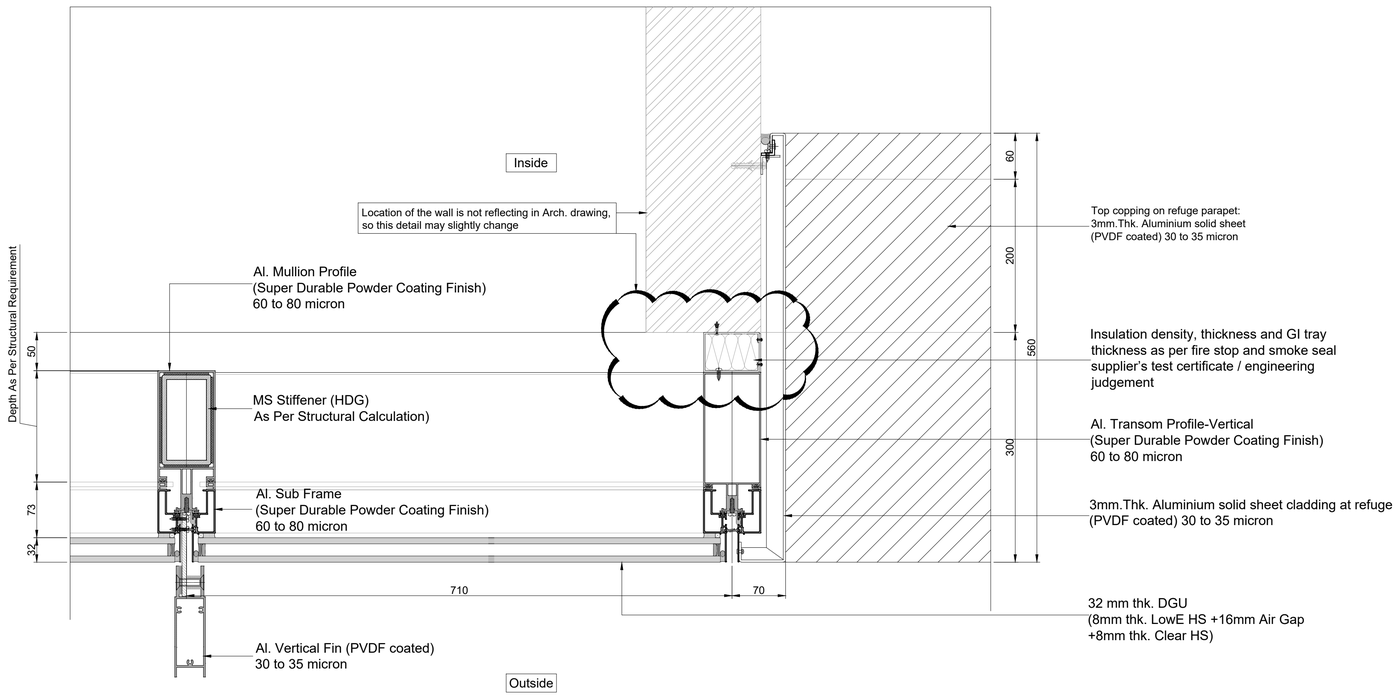
DWG NO: A-4001-02.7



DET 18 OPENABLE JAMB PLAN DETAIL WITH FIN LOCATION
SCALE: 1:2



DET 19 OPENABLE BOTTOM SECTION DETAIL @ FIN LOCATION
SCALE: 1:2



DET 20 VISION JAMB PLAN DETAIL AT REFUGE AREA
SCALE: 1:4

NORTH

NOTES:

1. All dimension are in mm unless otherwise specified.
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12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

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	INITIALS	OMKAR	AB	VV									30-07-2024
	REVISIONS												
R0	SIGN.												
	INITIALS	OMKAR	AB	VV									
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									01-06-2024

CLIENT :
TIDEL
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TENDER DOCUMENTATION

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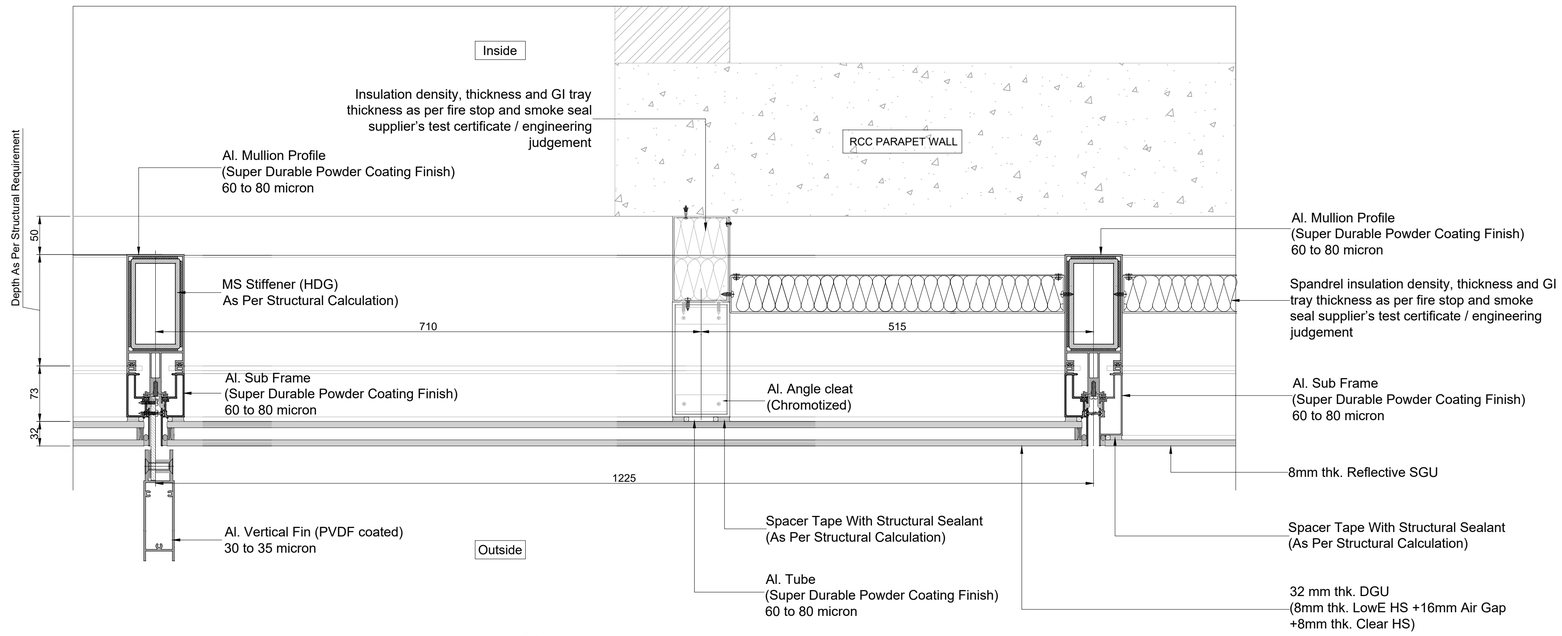
FILE NAME : A-4001-02.7 -glazing part ele. (SW) &(SE)

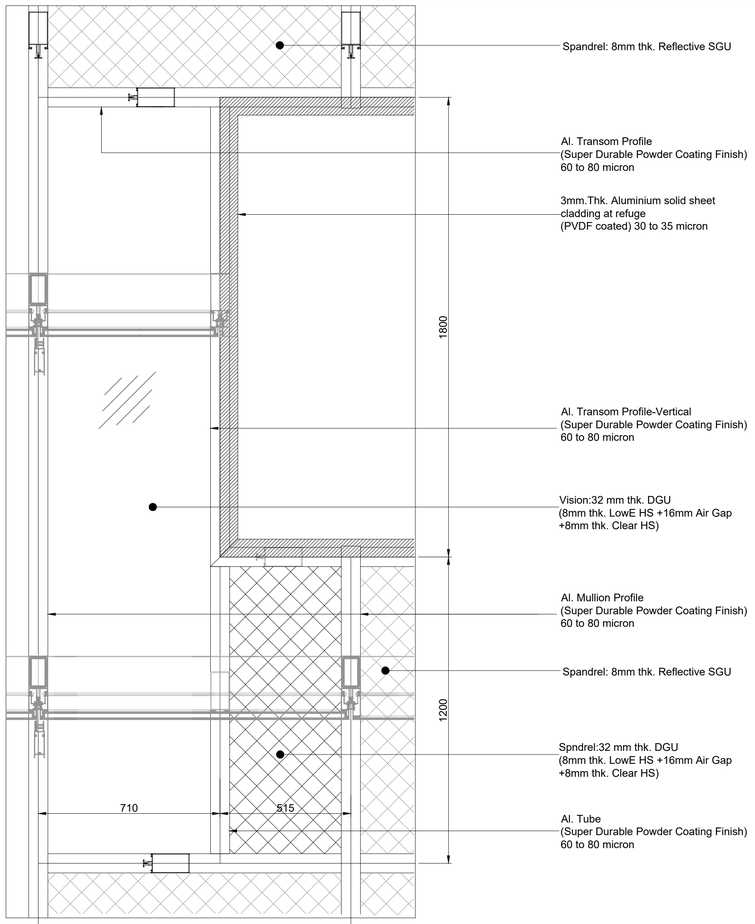
TITLE: TIDEL PARK MADURAI
SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

SCALE : –
DC & DISC : MUM-CV
DWG NO. A-4001-02.7
ISSUE R1
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg
TCE FORM NO. 091 R1



DET 21 VISION /SPANDREL JAMB PLAN DETAIL AT REFUGE AREA
SCALE: 1:4



DET 22 AL. FRAMING ELEVATIONAL DETAIL AT REFUGE AREA
SCALE: 1:12

NORTH

NOTES:

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13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

R1	SIGN.												DATE
	INITIALS	OMKAR	AB	VV									30-07-2024
	REVISIONS												
R0	SIGN.												
	INITIALS	OMKAR	AB	VV									
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									01-06-2024

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CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED, MUMBAI

TITLE: TIDEL PARK MADURAI

SEMI-UNITIZED GLAZ. PART ELE. (SW) & (SE) - DETAILS

SCALE : –	DWG NO. A-4001-02.8	ISSUE R1	SIZE-A1
DC & DISC : MUM-CV			

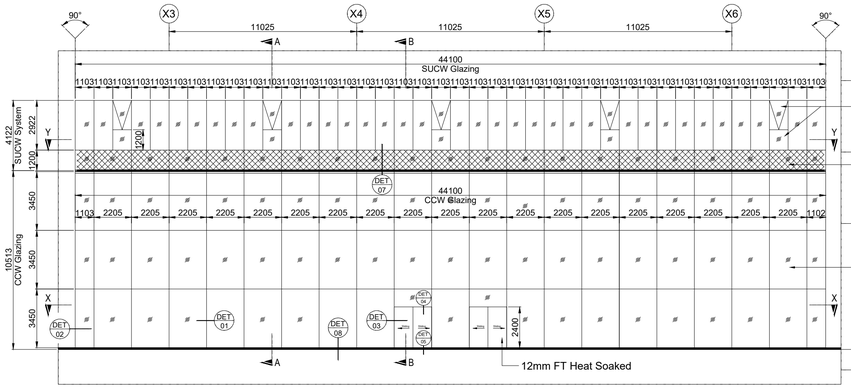
FILE NAME : A-4001-02.8 -glazing part ele. (SW) &(SE)

FILE NAME: F-091-Rev-R1.dwg

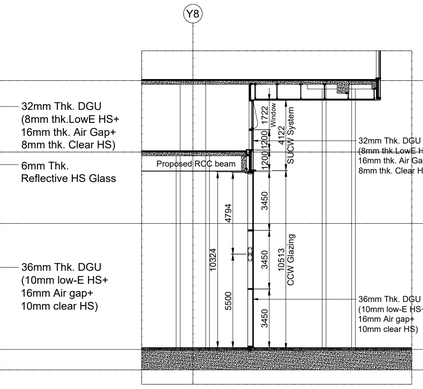
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
ENTRANCE CCW GLAZING SYSTEM WITH SOFFIT CLADDING

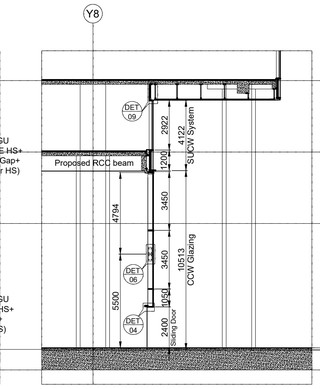
DWG NO A-4003



ELEVATION
FROM OUTSIDE



SECTION A-A



SECTION B-B

3rd FLOOR
+17.00 M

2nd FLOOR(Amenity)
+12.80 M

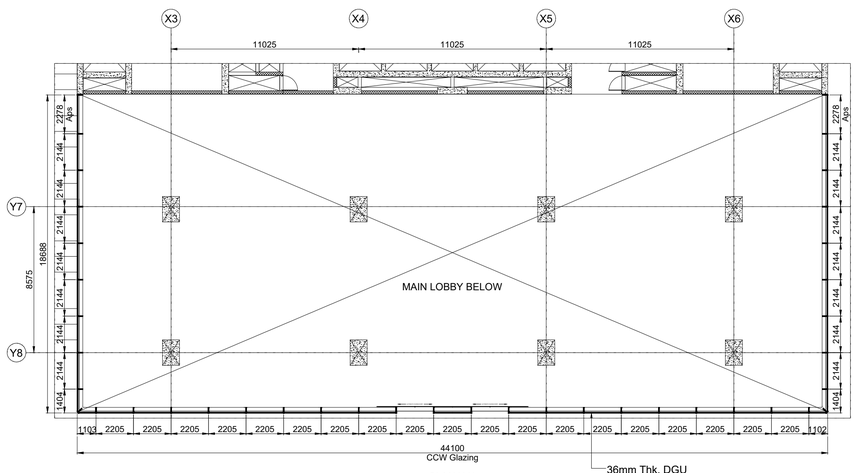
1st FLOOR(Amenity)
+8.60 M

LOBBY(FFL)
+1.30 M

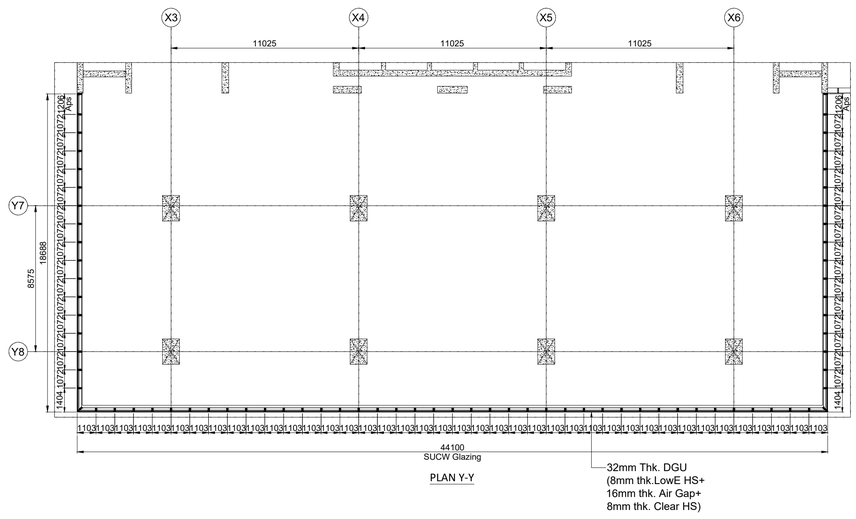
GROUND FLOOR(TOC)
+1.20 M

DROP OFF(FFL)
1.15 M

EXTERNAL ROAD
0.00 M

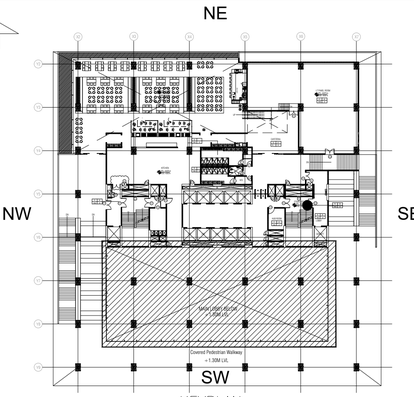


PLAN X-X



PLAN Y-Y

NORTH



KEYPLAN
(NTS)

LEGEND:–

	Vision Glass (36mm DGU-10mm HS+16mm air gap+10mm HS)
	Vision Glass (32mm DGU-8mm HS+16mm air gap+8mm HS)
	Spandrel Glass (6mm Thk. Reflective HS)
	Top Hung Openable (32mm DGU)
	12mm Thk. FT Heat Soaked
	Horizontal Capping (40x150mm)

NOTES:

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13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

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	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									01-06-2024

CLIENT :
TIDEL
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TENDER DOCUMENTATION

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TITLE:
TIDEL PARK MADURAI
ENTRANCE CCW GLAZING SYSTEM WITH SOFFIT CLADDING

SCALE	DWG NO.	ISSUE
: 1:180	A-4003	R1
DC & DISC : MUM-CV		

FILE NAME : A-4003-Entrance CCW glazing with soffit cladding

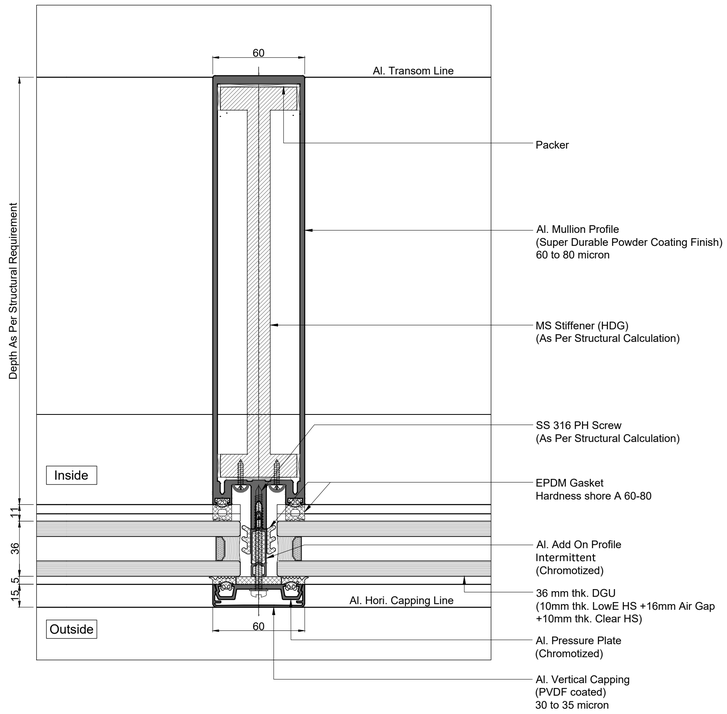
SIZE-A1

TCE FORM NO. 091 R1

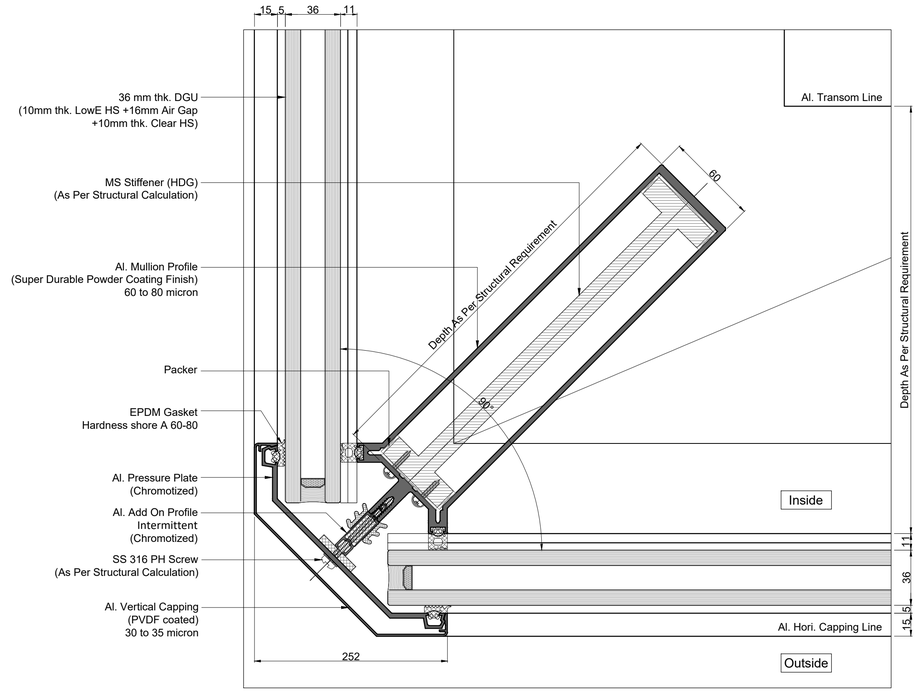
FILE NAME: F-091-Rev-R1.dwg

TITLE: TIDEL PARK MADURAI
ENTRANCE CCW GLAZING SYSTEM WITH SOFFIT CLADDING - DETAILS

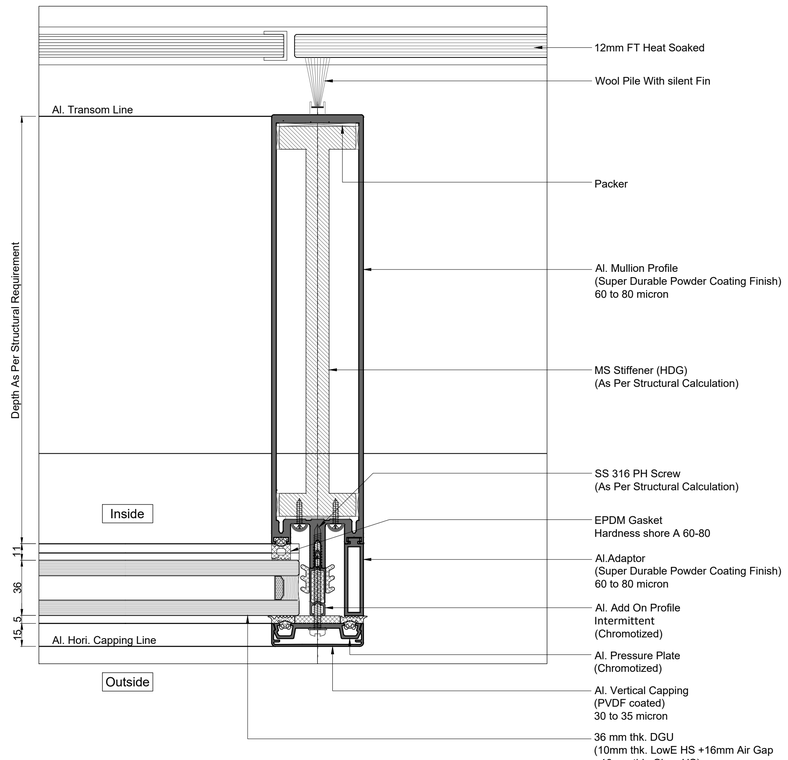
DWG NO A-4003.1



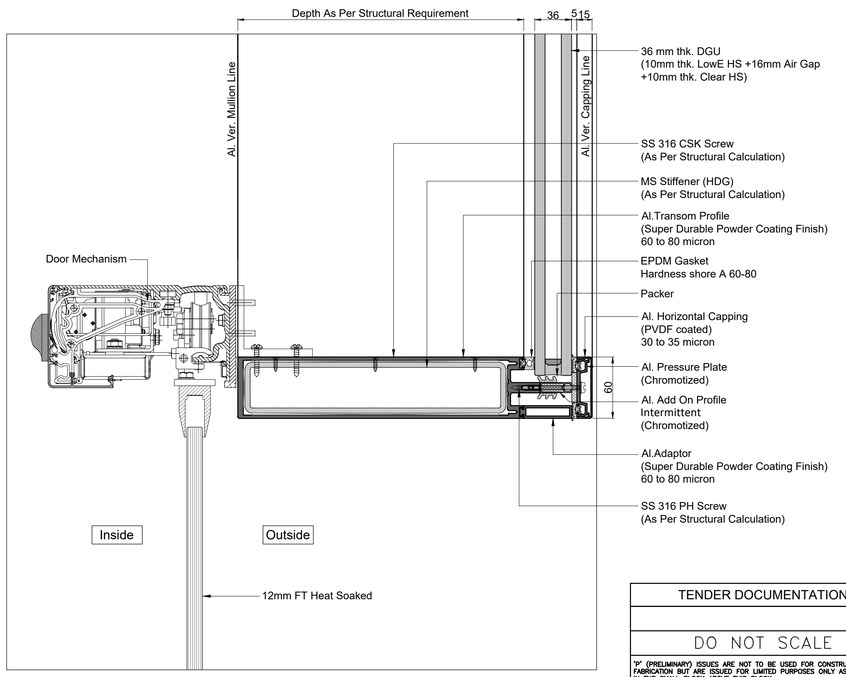
DET 01 TYPICAL MULLION DETAIL (CCW SYSTEM)
SCALE: 1:2



DET 02 TYPICAL MULLION CORNER DETAIL (CCW SYSTEM)
SCALE: 1:2



DET 03 TYPICAL MULLION DETAIL WITH SLIDING DOOR (CCW SYSTEM)
SCALE: 1:2



DET 04 TRANSOM DETAILS DETAIL WITH SLIDING DOOR (CCW SYSTEM)
SCALE: 1:3

LEGEND:–

NOTES:

1. All dimension are in mm unless otherwise specified.
2. All alum. structural profile thickness min.1.8 mm and at mechanical engagement location should be min. 2.5mm
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	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									01-06-2024

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FILE NAME : A-4003.1-Entrance CCW glazing-Details

CLIENT : TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED
MUMBAI

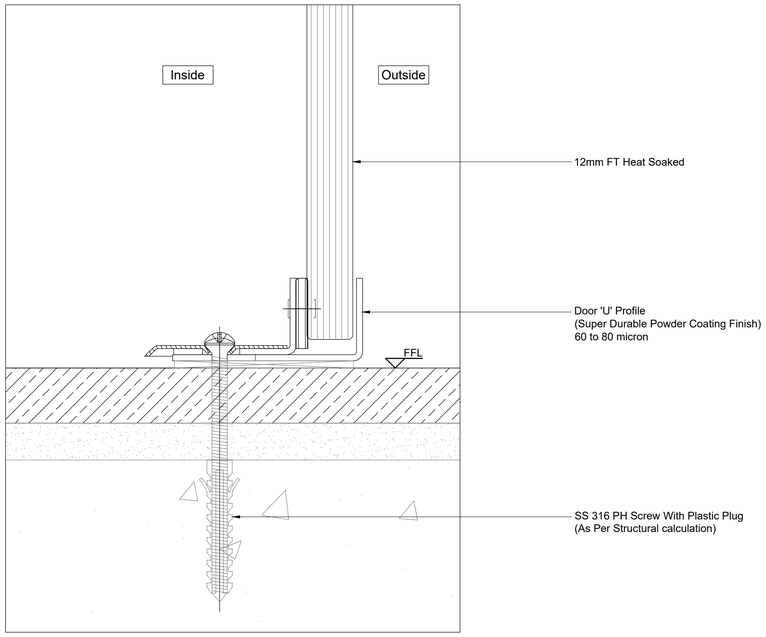
TITLE:
TIDEL PARK MADURAI
ENTRANCE CCW GLAZING SYSTEM WITH SOFFIT CLADDING - DETAILS

SCALE : –
DC & DISC : MUM-CV
DWG NO. **A-4003.1**
ISSUE R1
SIZE-A1

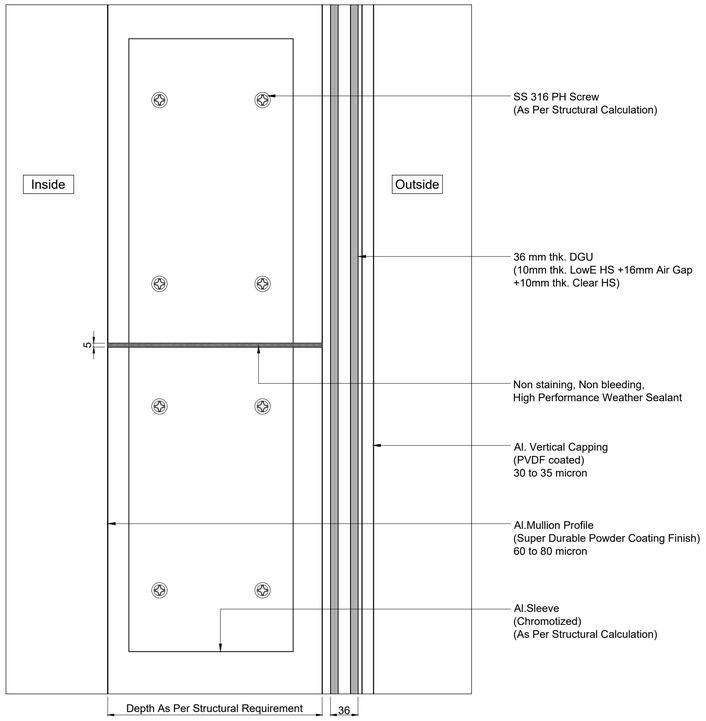
FILE NAME: F-091-Rev-R1.dwg
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
ENTRANCE CCW GLAZING SYSTEM WITH SOFFIT CLADDING - DETAILS

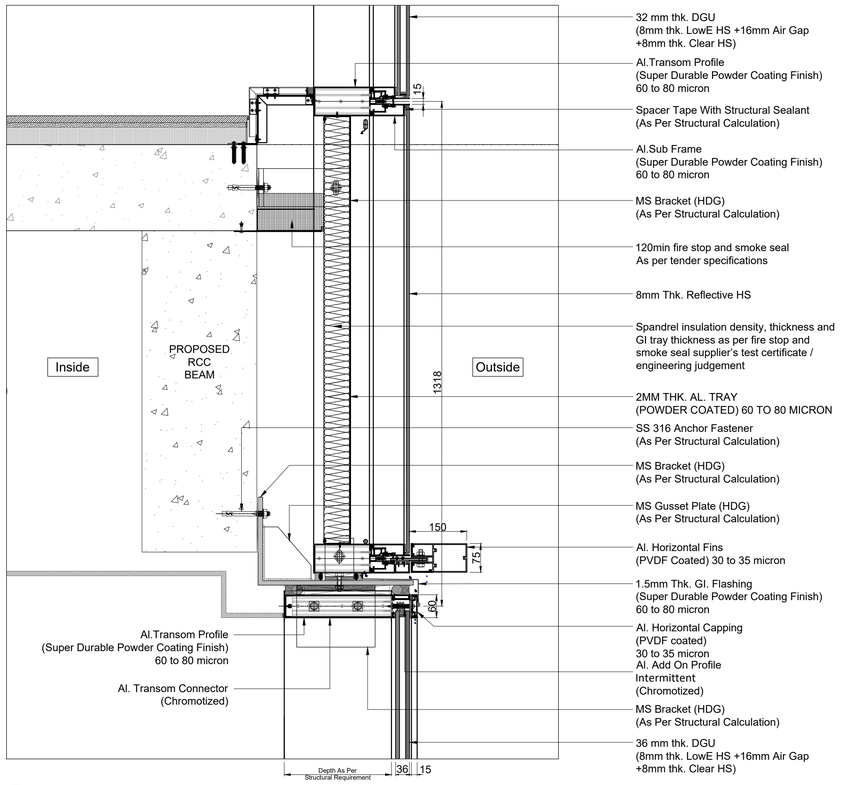
DWG NO A-4003.2



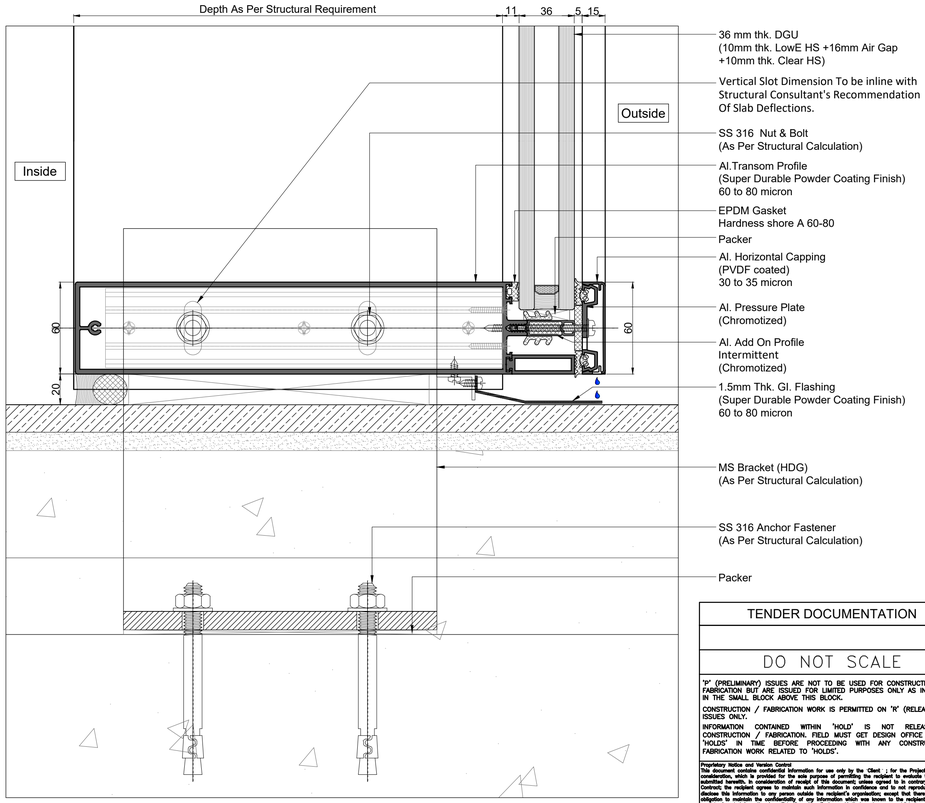
DET 05 SLIDING DOOR BOTTOM DETAIL
SCALE: 1:1



DET 06 SLEEVE DETAILS (CCW SYSTEM)
SCALE: 1:4



DET 07 UNITIZED & STICK SYSTEM SECTION JUNCTION DETAIL WITH HORI. FINS
SCALE: 1:8



DET 08 BOTTOM DETAILS (CCW SYSTEM)
SCALE: 1:2

LEGEND:–

NOTES:

1. All dimension are in mm unless otherwise specified.
2. All alum. structural profile thickness min.1.8 mm and at mechanical engagement location should be min. 2.5mm
3. All the externally visible surfaces shall have PVDF coating of 30 - 35 micron confirming to AAMA 2605. Internally visible surfaces shall have SDF coating of 70 - 80 micron confirming to AAMA 2604. Concealed aluminum surfaces shall have minimum chromotizing treatment. Shade approval to be taken from Client / Architect.
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6. All anchor to be designed for crack concrete condition and should be min. M10
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8. Alum. weather bar to be provided at operable locations.
9. All drawings to be read in conjunction with tender BOQ & technical specification
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13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

R1	SIGN.													DATE
	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									01-06-2024

TENDER DOCUMENTATION

DO NOT SCALE

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FILE NAME : A-4003.2-Entrance CCW glazing-Details

CLIENT :
TIDEL
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

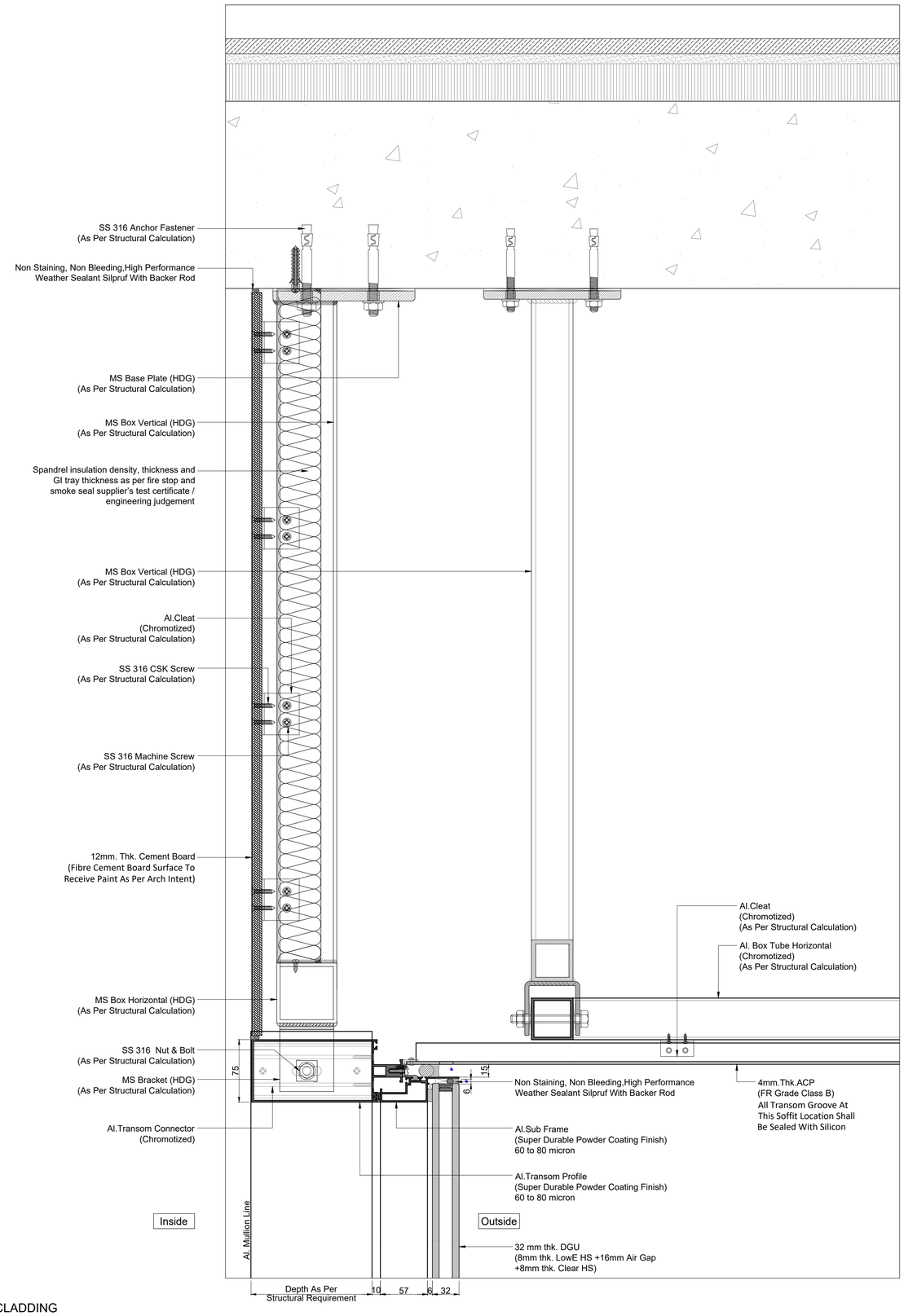
TITLE:
TIDEL PARK MADURAI
ENTRANCE CCW GLAZING SYSTEM WITH SOFFIT CLADDING - DETAILS

SCALE : –
DC & DISC : MUM-CV
DWG NO. A-4003.2
ISSUE R1
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
ENTRANCE CCW GLAZING SYSTEM WITH SOFFIT CLADDING - DETAILS

DWG NO A-4003.3



DET 09 UNITIZED TOP DETAILS WITH SOFFIT CLADDING
SCALE: 1:3

LEGEND:–

NOTES:

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CONSTRUCTION REFERENCE DRAWINGS:

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	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									01-06-2024

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FILE NAME : A-4003.3-Entrance CCW glazing-Details

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
ENTRANCE CCW GLAZING SYSTEM WITH SOFFIT CLADDING - DETAILS

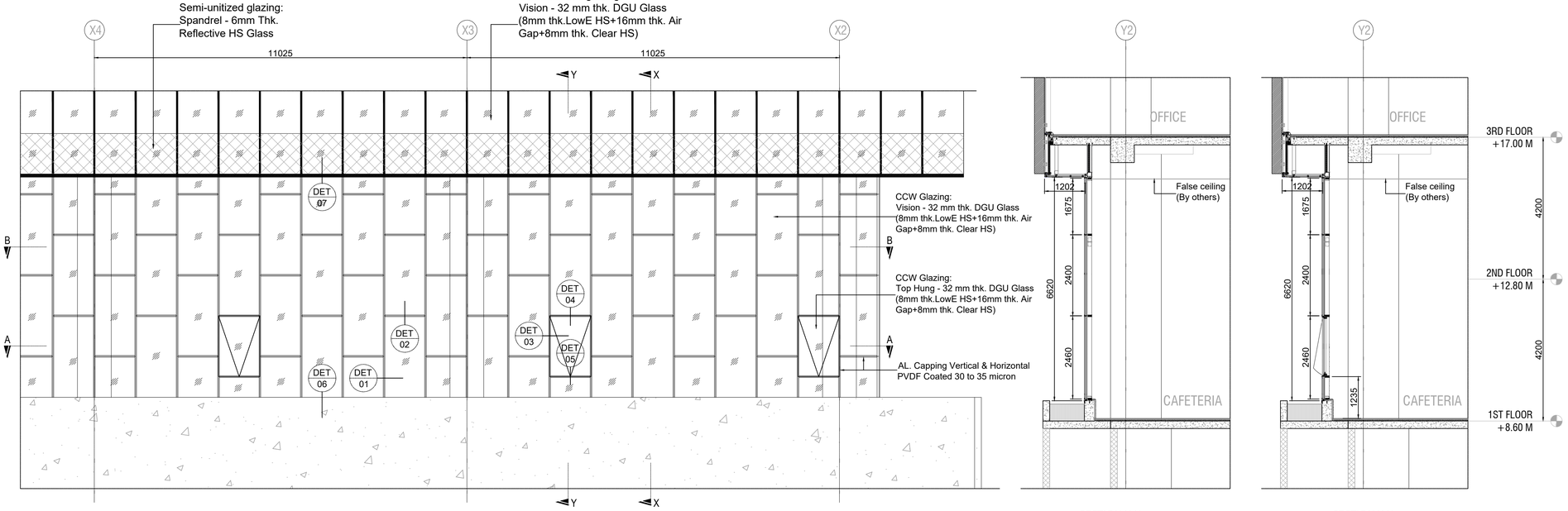
SCALE	DWG NO.	ISSUE
: –	A-4003.3	R1
DC & DISC : MUM-CV		SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
CCW GLAZING @ CAFETERIA PART ELEVATION (NORTH EAST)

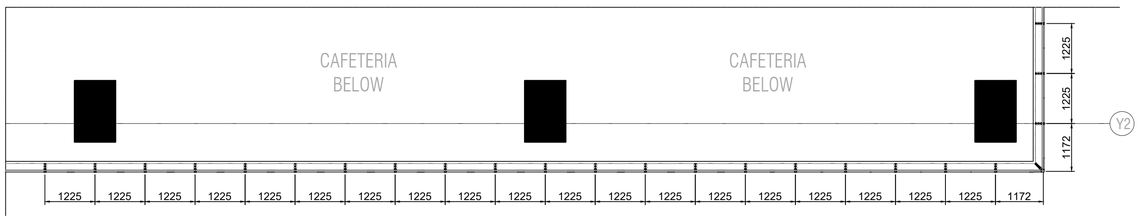
DWG NO A-4004



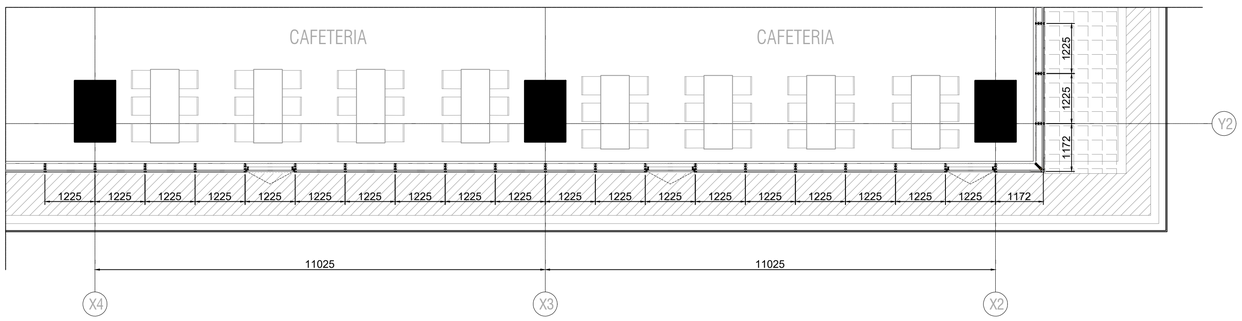
ELEVATION FROM OUTSIDE
(NORTH EAST)

SECTION X-X

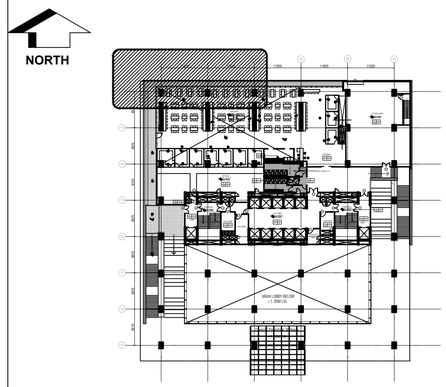
SECTION Y-Y



PLAN B-B (2nd floor)



PLAN A-A (1st floor)



KEYPLAN
(NTS)

LEGEND:

	CCW Glazing (32mm DGU)
	CCW Glazing:Top Hung Openable (32mm DGU)
	Vision Glass (32mm DGU-8mm HS+16mm air gap+8mm HS)
	Spandrel Glass (6mm HS SGU)
	3mm Thk. Al. Solid sheet cladding-PVDF coating
	Al. Fin in Unitized glazing

NOTES:

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	INITIALS	OMKAR		AB		VV								30-07-2024	
	REVISIONS														
R0	SIGN.														
	INITIALS	OMKAR		AB		VV									
ISSUE		DRN		DSN		CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
							CLEARED									14-06-2024

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
CCW GLAZING @ CAFETERIA PART ELEVATION (NORTH EAST)

TENDER DOCUMENTATION

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FILE NAME : A-4004-Cafeteria part elevation(NE)

SCALE : 1:75
DC & DISC : MUM-CV
DWG NO. A-4004
ISSUE R1

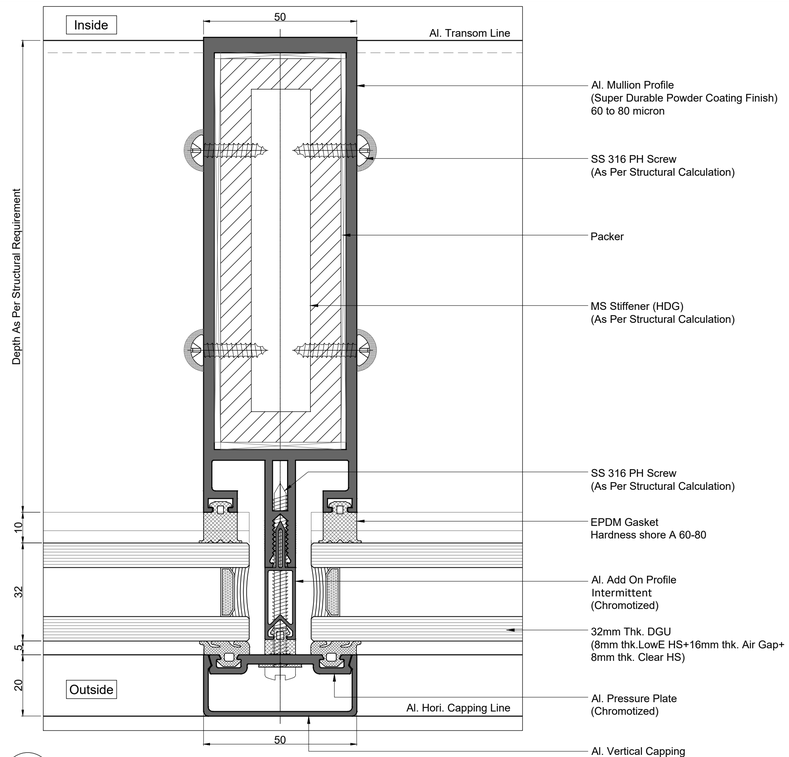
SIZE-A1

TCE FORM NO. 091 R1

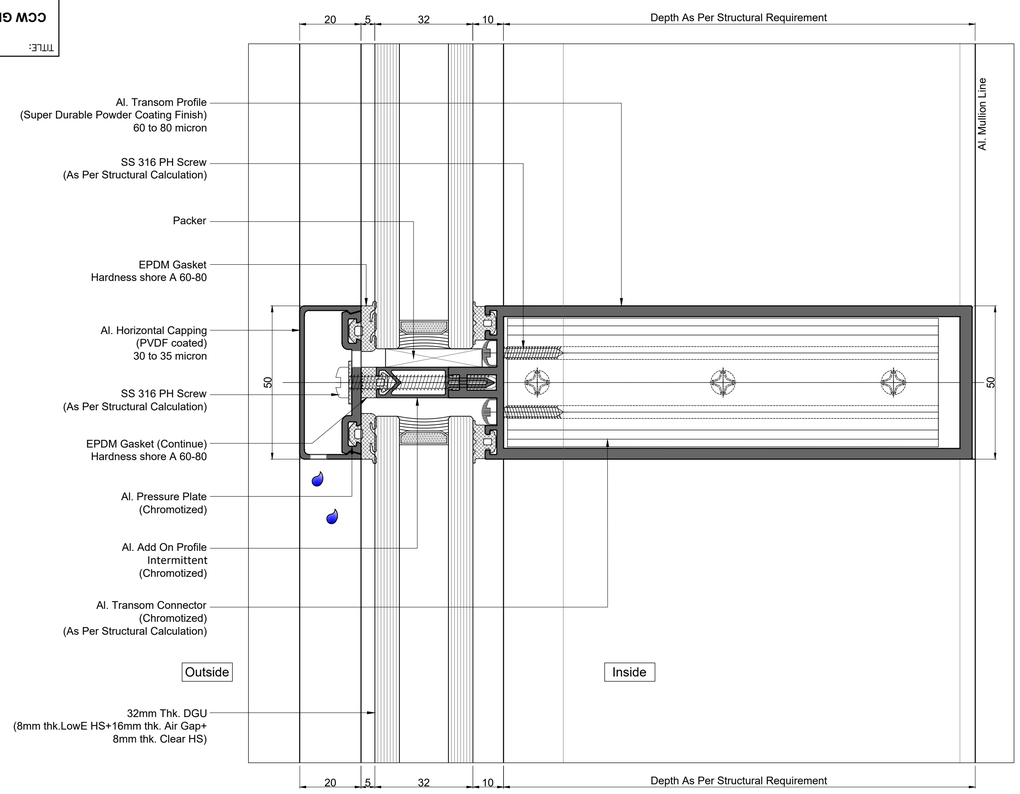
FILE NAME: F-091-Rev-R1.dwg

DWG NO: A-4004.1

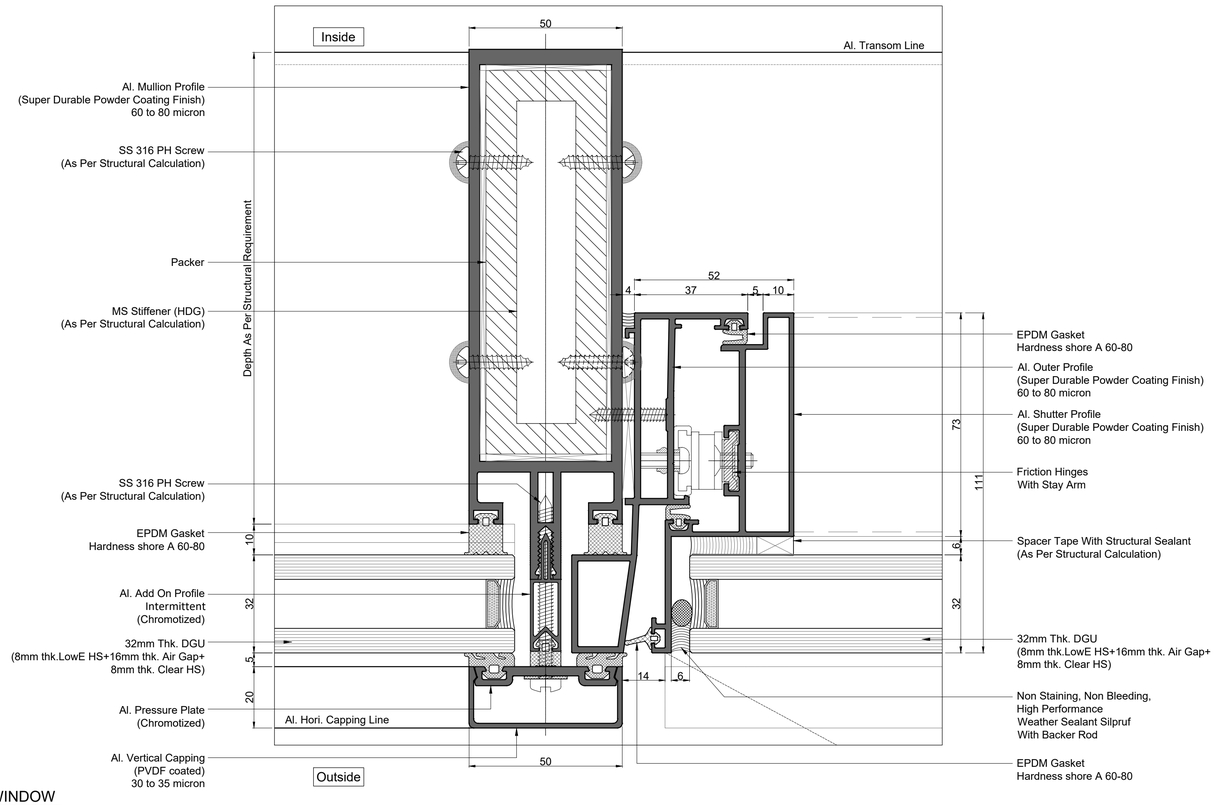
TITLE: TIDEL PARK MADURAI
CCW GLAZING @ CAFETERIA PART ELEVATION (NORTH EAST)-DETAILS



DET 01 TYPICAL MULLION DETAIL
SCALE: 1:1



DET 02 TYPICAL TRANSOM DETAIL
SCALE: 1:1



DET 03 MULLION DETAIL WITH TOP HUNG WINDOW
SCALE: 1:1

NOTES:

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	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									22-06-2024

CLIENT :
TIDEL

TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TENDER DOCUMENTATION

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FILE NAME : A-4004.1-Cafeteria Details

TITLE: TIDEL PARK MADURAI
CCW GLAZING @ CAFETERIA PART ELEVATION (NORTH EAST)-DETAILS

SCALE : -
DC & DISC: MUM-CV

DWG NO. A-4004.1

ISSUE R1

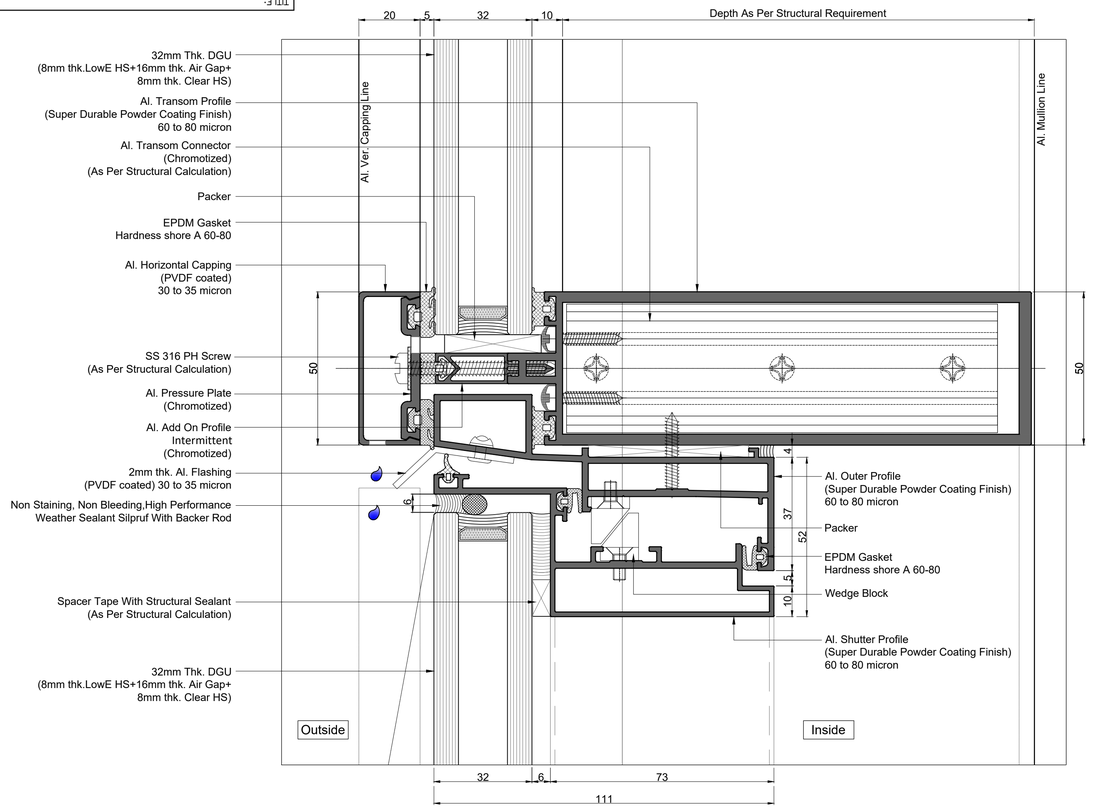
SIZE-A1

TCE FORM NO. 091 R1

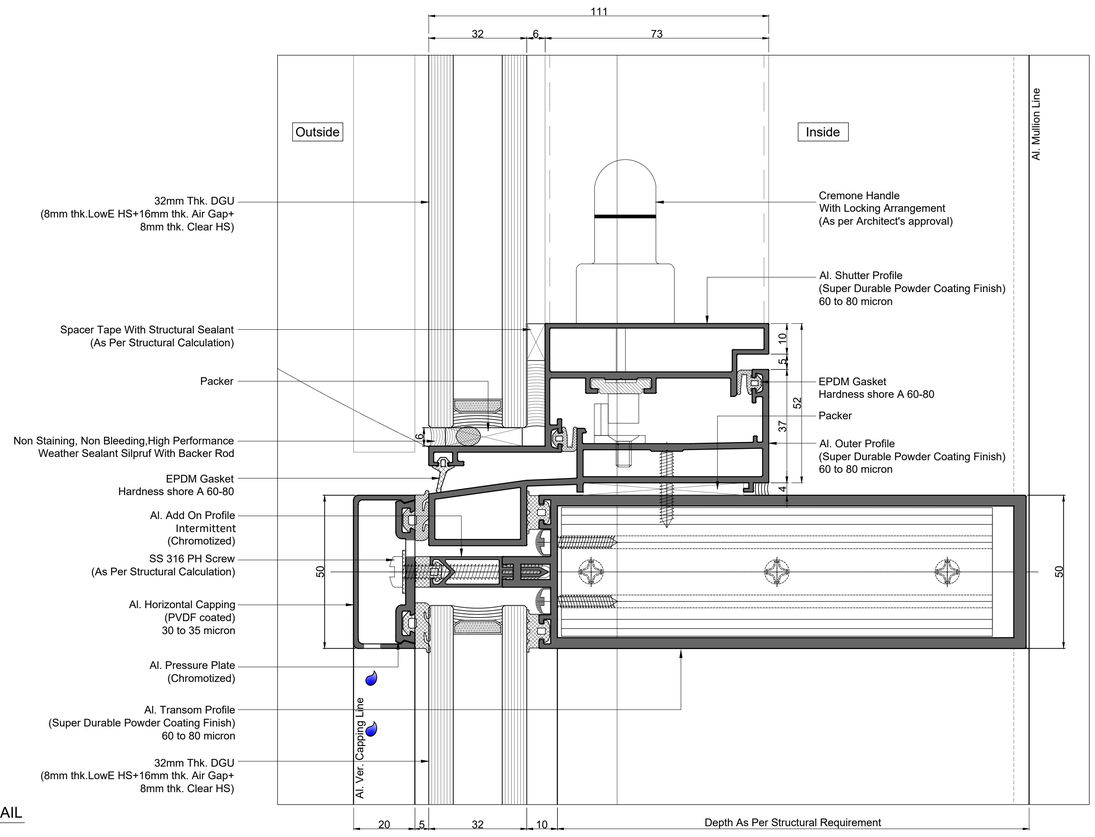
FILE NAME: F-091-Rev-R1.dwg

TITLE: TIDEL PARK MADURAI
CCW GLAZING @ CAFETERIA PART ELEVATION (NORTH EAST)-DETAILS

DWG NO A-4004.2



DET 04 TRANSOM WITH TOP HUNG WINDOW TOP DETAIL
SCALE: 1:1



DET 05 TRANSOM WITH TOP HUNG WINDOW BOTTOM DETAIL
SCALE: 1:1

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R0	SIGN.												
	INITIALS	OMKAR	AB	VV									
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									22-06-2024

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FILE NAME : A-4004.2-Cafeteria Details

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

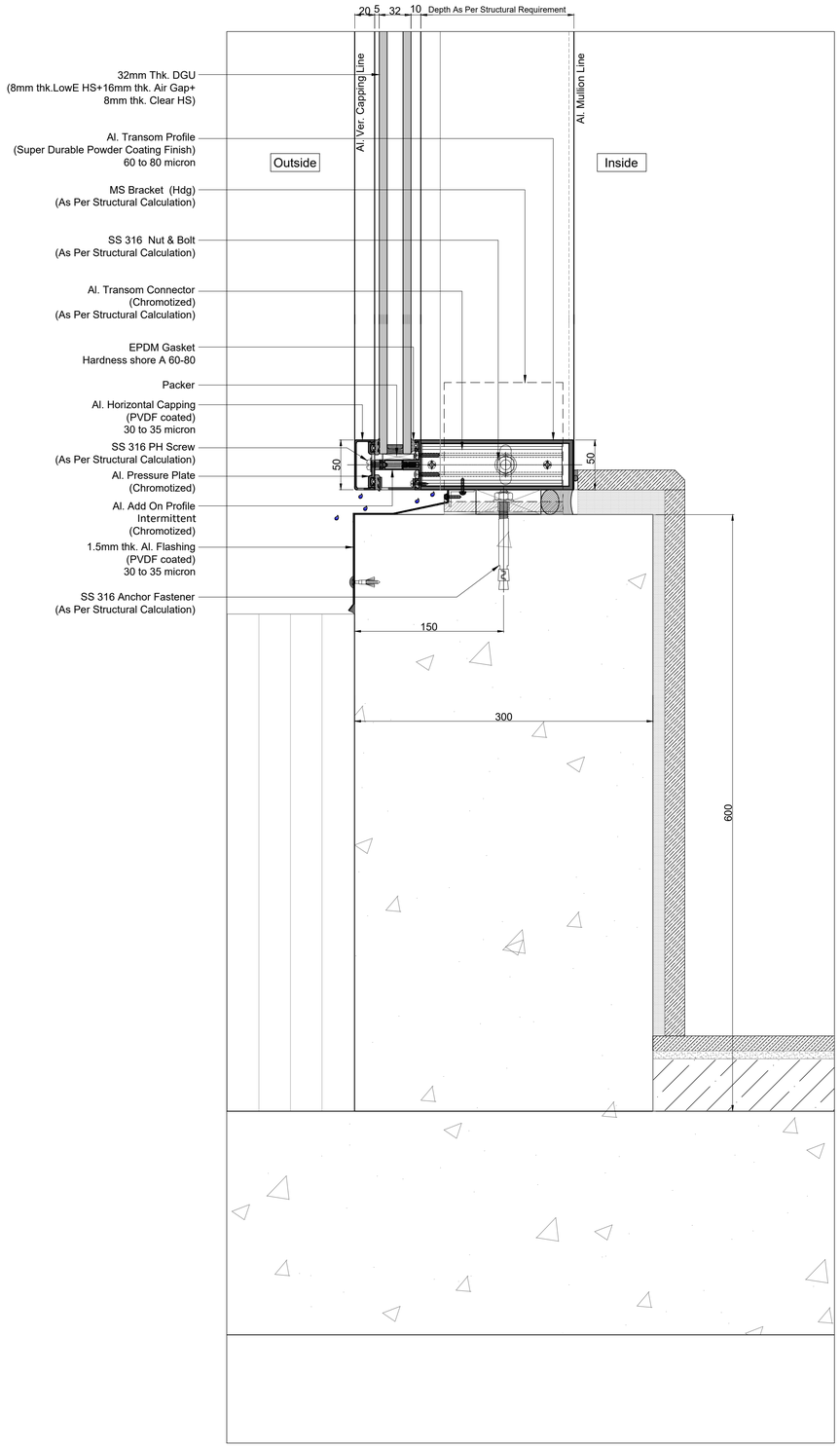
ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

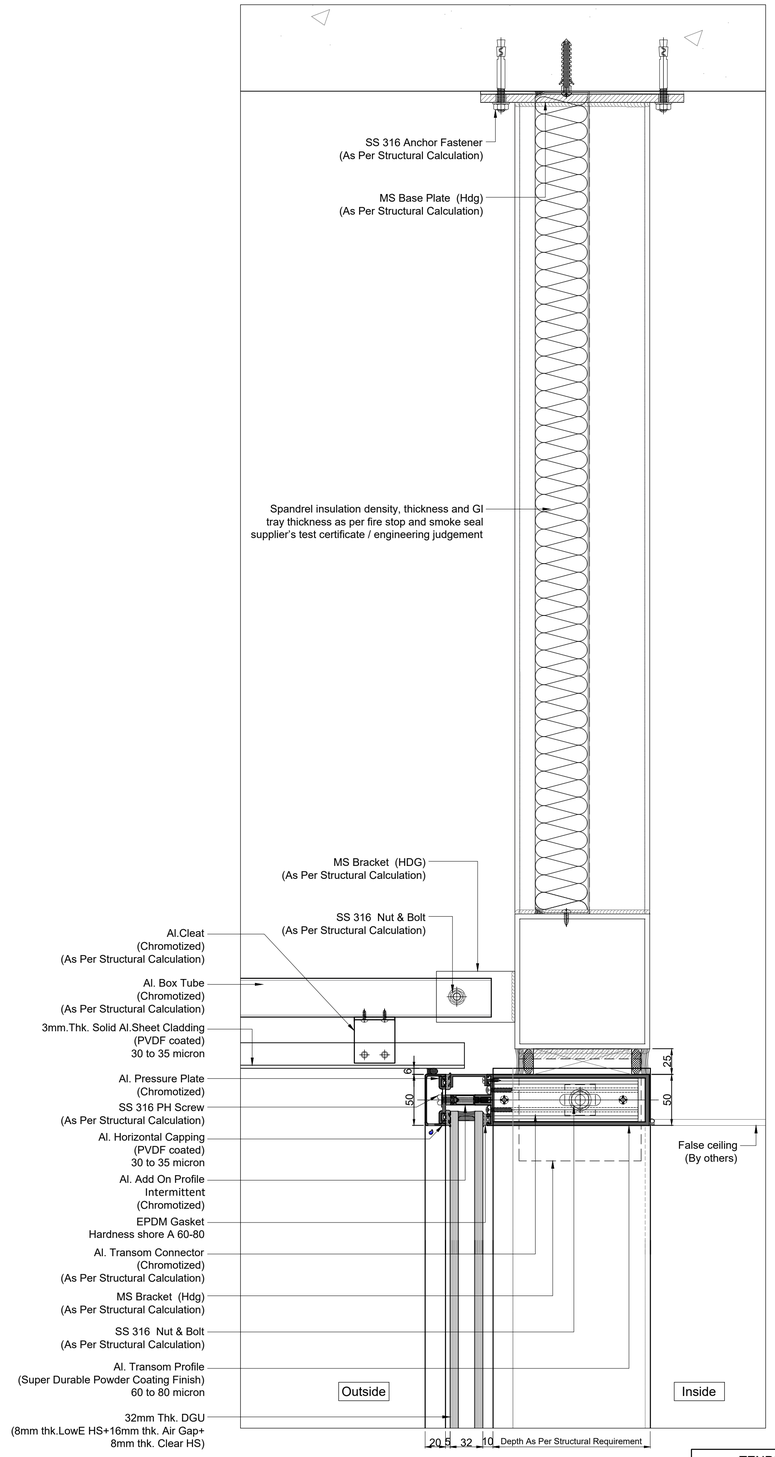
TITLE:
TIDEL PARK MADURAI
CCW GLAZING @ CAFETERIA PART ELEVATION (NORTH EAST)-DETAILS

SCALE : –
DC & DISC: MUM-CV
DWG NO. A-4004.2
ISSUE R1
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg
TCE FORM NO. 091 R1



DET 06 TRANSOM BOTTOM DETAIL
SCALE: 1:3



DET 07 TRANSOM TOP DETAIL WITH MS STRUCTURAL
SCALE: 1:3

NOTES:

1. All dimension are in mm unless otherwise specified.
2. All alum. structural profile thickness min.1.8 mm and at mechanical engagement location should be min. 2.5mm
3. All the externally visible surfaces shall have PVDF coating of 30 - 35 micron confirming to AAMA 2605. Internally visible surfaces shall have SDF coating of 70 - 80 micron confirming to AAMA 2604. Concealed aluminum surfaces shall have minimum chromotizing treatment. Shade approval to be taken from Client / Architect.
4. Concealed MS structure to be Hot Dip Galvanized & exposed MS structure with 2 coat of epoxy and 3rd coat of PU paint.
5. Anchor assemblies to have sq. washers which are tack welded to brackets.
6. All anchor to be designed for crack concrete condition and should be min. M10
7. G.I sheet 1.2mm Thk. for water membrane.
8. Alum. weather bar to be provided at operable locations.
9. All drawings to be read in conjunction with tender BOQ & technical specification
10. Dead load brackets (horizontal slot) to have tack welded sq. washers.
11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

R1	SIGN.													DATE
	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									22-06-2024

CLIENT :
TIDEL
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TENDER DOCUMENTATION

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TITLE:
TIDEL PARK MADURAI
CCW GLAZING @ CAFETERIA PART ELEVATION (NORTH EAST)-DETAILS

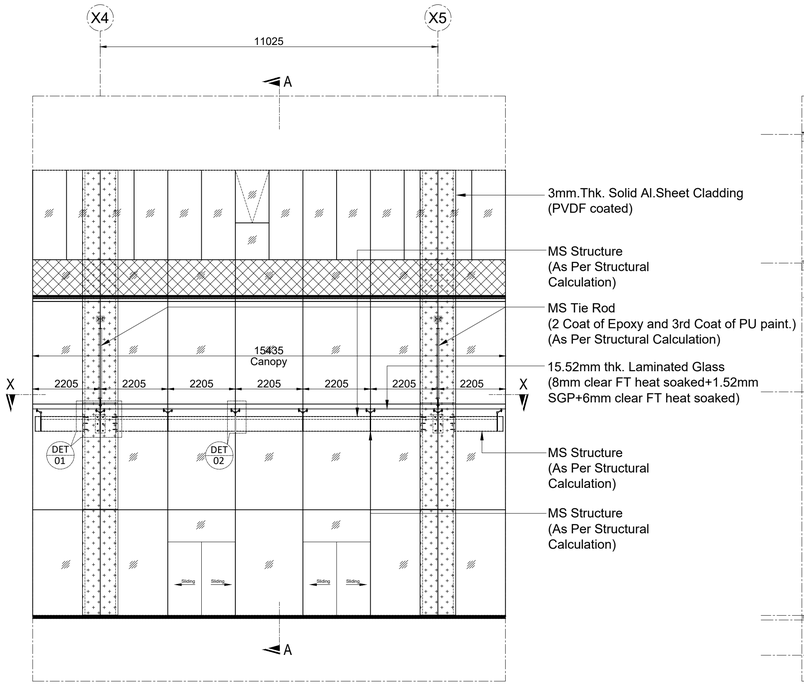
SCALE : –
DWG NO. A-4004.3
ISSUE R1
DC & DISC: MUM-CV
FILE NAME : A–4004.3–Cafeteria Details

SIZE–A1

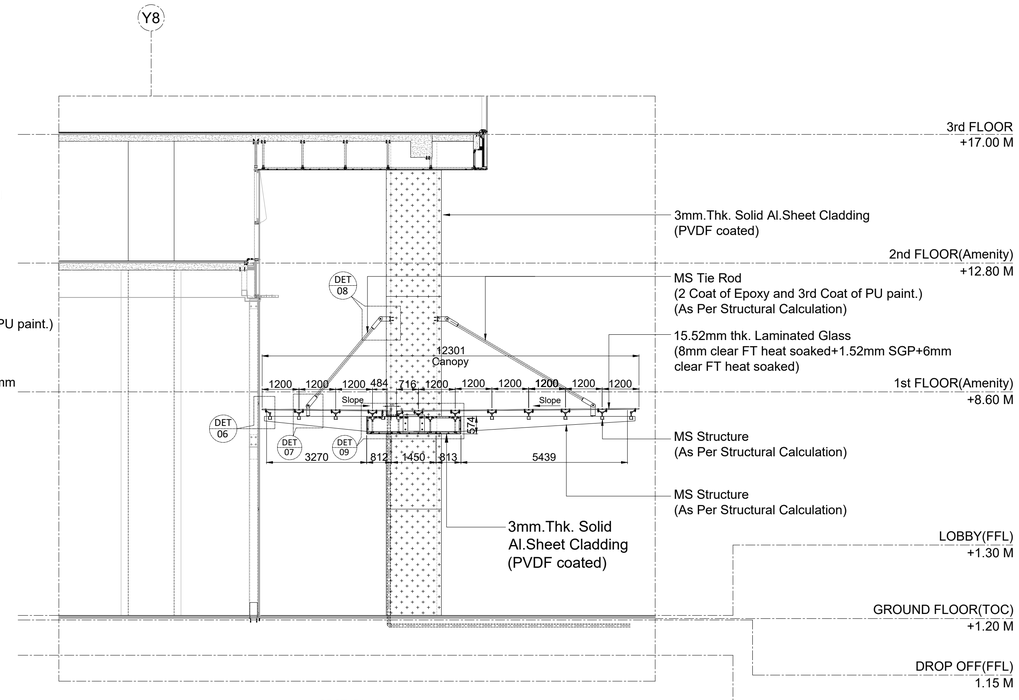
TITLE: TIDEL PARK MADURAI
ENTRANCE GLASS CANOPY WITH CIRCULAR COLUMN CLADDING

DWG NO A-4005

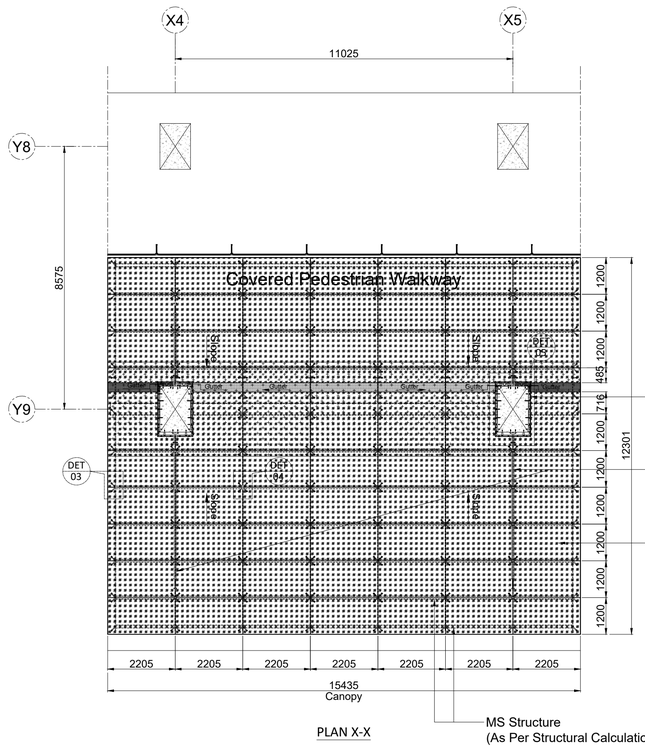
Concealed MS structure with Hot Dip Galvanized & Exposed MS structure with 2 coat of epoxy and 3rd coat of PU paint.



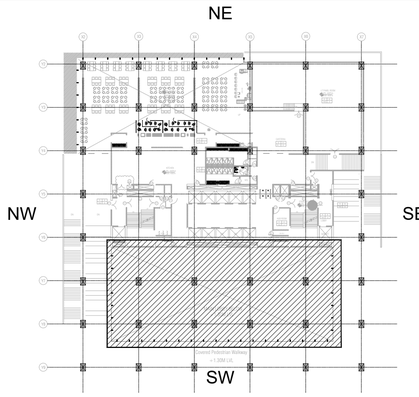
ELEVATION FROM OUTSIDE



SECTION A-A



PLAN X-X



LEGEND:–

	3mm Thick Solid Alum. Sheet Cladding
	15.52mm Thk. SGP Laminated Glass

NOTES: –

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9. All drawings to be read in conjunction with tender BOQ & technical specification
10. Dead load brackets (horizontal slot) to have tack welded sq. washers.
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12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

R1	SIGN.													DATE
	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									14-06-2024

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

TIDEL PARK MADURAI

ENTRANCE GLASS CANOPY WITH CIRCULAR COLUMN CLADDING

TENDER DOCUMENTATION

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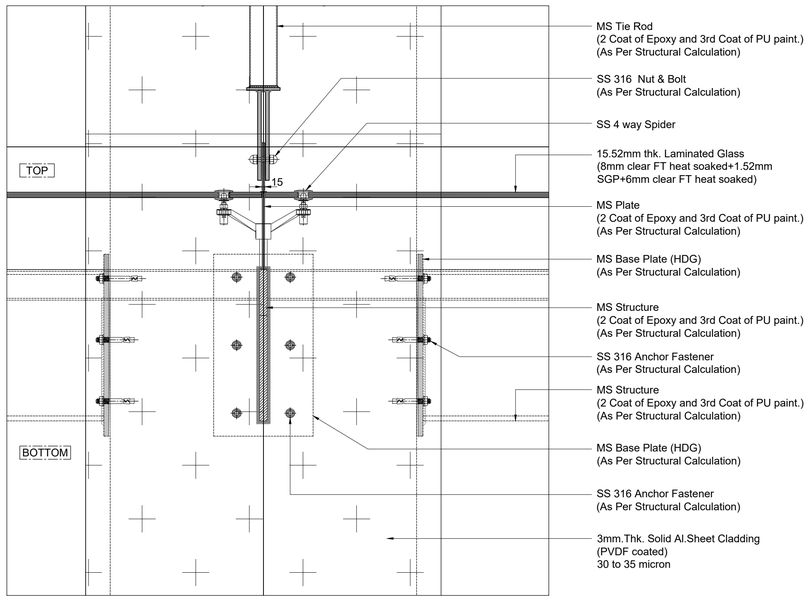
FILE NAME : A-4005-Entrance Glass canopy	SCALE : –	DWG NO. A-4005	ISSUE R1
	DC & DISC : MUM-CV		SIZE-A1

TCE FORM NO. 091 R1

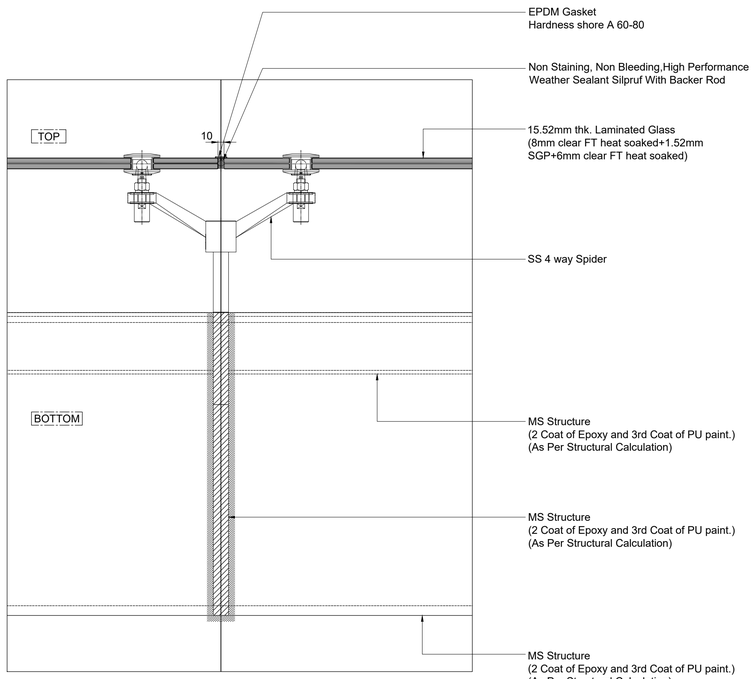
FILE NAME: F-091-Rev-R1.dwg

TITLE: TIDEL PARK MADURAI
ENTRANCE GLASS CANOPY WITH CIRCULAR COLUMN CLADDING-DETAILS

DWG NO A-4005.1



DET 01 GLASS CANOPY ELEVATION DETAIL WITH TIE ROD
SCALE: 1:10



DET 02 GLASS CANOPY TYPICAL ELEVATION FIXING DETAIL
SCALE: 1:5

NOTES: –

1. All dimension are in mm unless otherwise specified.
2. All alum. structural profile thickness min.1.8 mm and at mechanical engagement location should be min. 2.5mm
3. All the externally visible surfaces shall have PVDF coating of 30 - 35 micron confirming to AAMA 2605. Internally visible surfaces shall have SDF coating of 70 - 80 micron confirming to AAMA 2604. Concealed aluminum surfaces shall have minimum chromotizing treatment. Shade approval to be taken from Client / Architect.
4. Concealed MS structure to be Hot Dip Galvanized & exposed MS structure with 2 coat of epoxy and 3rd coat of PU paint.
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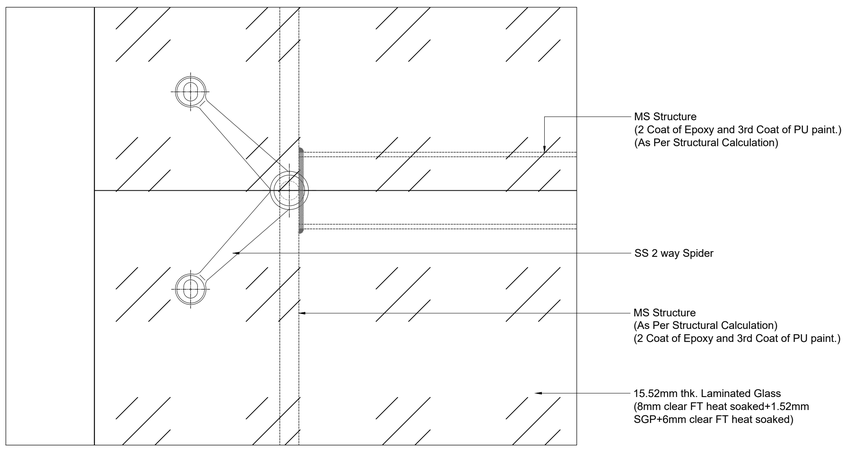
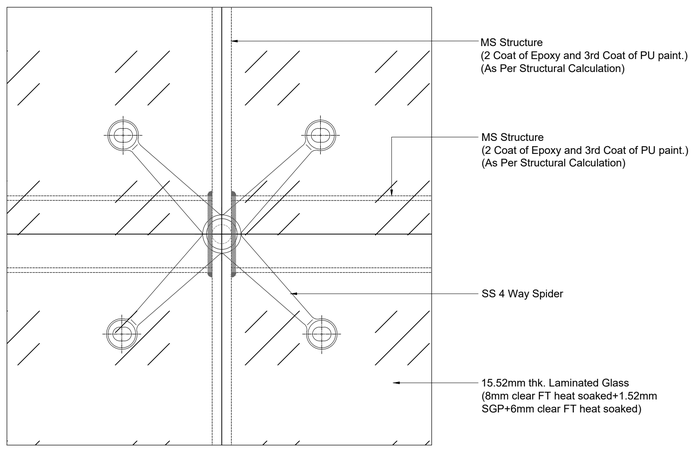
6. All anchor to be designed for crack concrete condition and should be min. M10
7. G.I sheet 1.2mm Thk. for water membrane.
8. Alum. weather bar to be provided at operable locations.
9. All drawings to be read in conjunction with tender BOQ & technical specification
10. Dead load brackets (horizontal slot) to have tack welded sq. washers.
11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:



DET 03 GLASS CANOPY CORNER FIXING DETAIL IN PLAN
SCALE: 1:4



DET 04 GLASS CANOPY TYPICAL PLAN DETAIL
SCALE: 1:4

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	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE 14-06-2024
					CLEARED									

CLIENT :
TIDEL
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
ENTRANCE GLASS CANOPY WITH CIRCULAR COLUMN CLADDING-DETAILS

SCALE : –
DC & DISC : MUM-CV
DWG NO. A-4005.1
ISSUE R1
SIZE-A1

TENDER DOCUMENTATION

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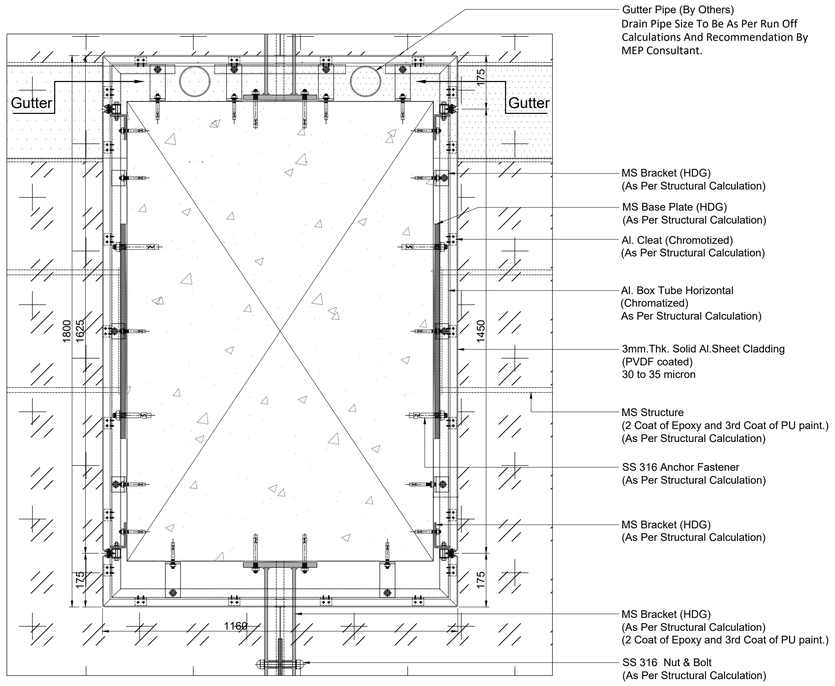
FILE NAME : A-4005.1-Entrance Glass canopy-Details

TCE FORM NO. 091 R1

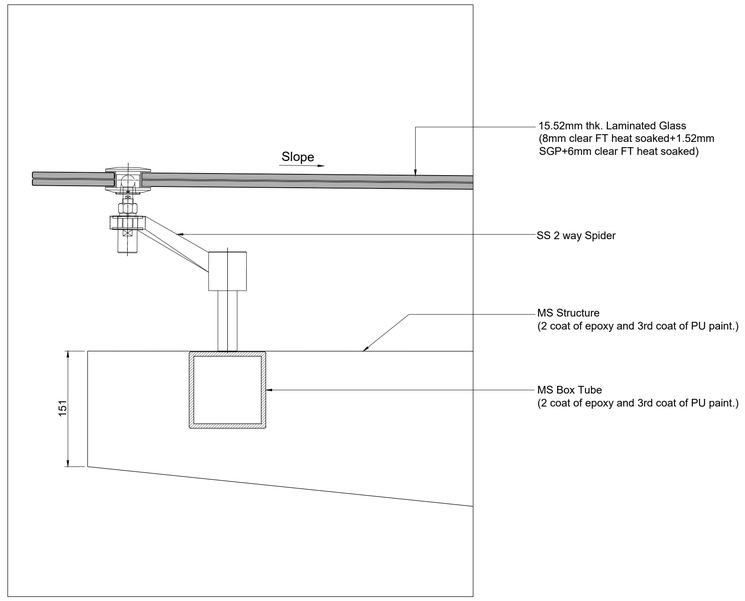
FILE NAME: F-091-Rev-R1.dwg

TITLE: TIDEL PARK MADURAI
ENTRANCE GLASS CANOPY WITH CIRCULAR COLUMN CLADDING-DETAILS

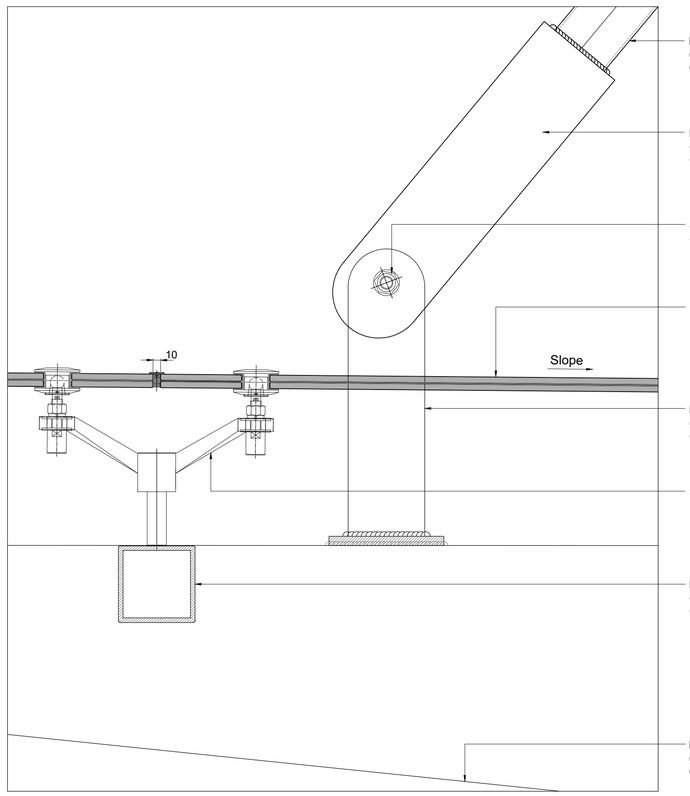
DWG NO A-4005.2



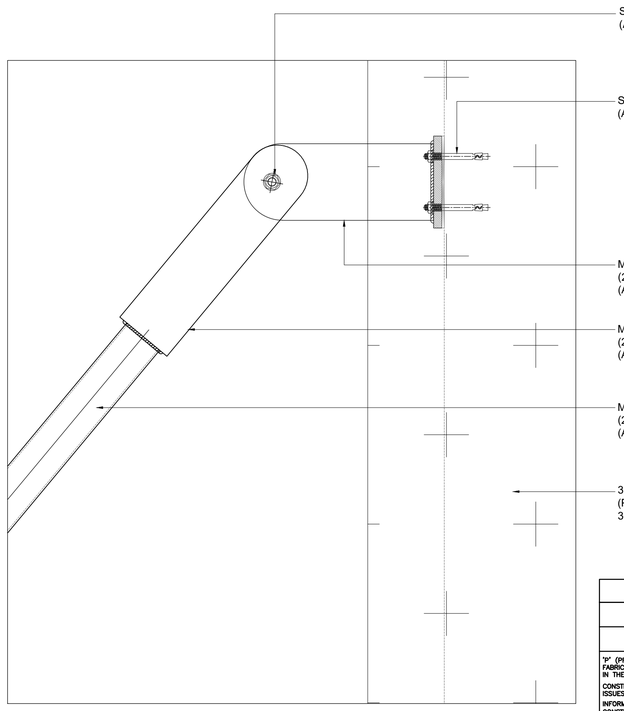
DET 05 COLUMN CLADDING PLAN DETAIL
SCALE: 1:10



DET 06 GLASS CANOPY CORNER SECTION FIXING DETAIL
SCALE: 1:4



DET 07 GLASS CANOPY WITH TIE ROD SECTION FIXING DETAIL
SCALE: 1:4



DET 08 TIE ROD TOP SECTION DETAIL
SCALE: 1:6

NOTES: –

1. All dimension are in mm unless otherwise specified.
2. All alum. structural profile thickness min.1.8 mm and at mechanical engagement location should be min. 2.5mm
3. All the externally visible surfaces shall have PVDF coating of 30 - 35 micron confirming to AAMA 2605. Internally visible surfaces shall have SDF coating of 70 - 80 micron confirming to AAMA 2604. Concealed aluminum surfaces shall have minimum chromotizing treatment. Shade approval to be taken from Client / Architect.
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9. All drawings to be read in conjunction with tender BOQ & technical specification
10. Dead load brackets (horizontal slot) to have tack welded sq. washers.
11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

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R0	SIGN.													
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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									14-06-2024

CLIENT :
TIDEL
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
ENTRANCE GLASS CANOPY WITH CIRCULAR COLUMN CLADDING-DETAILS

TENDER DOCUMENTATION

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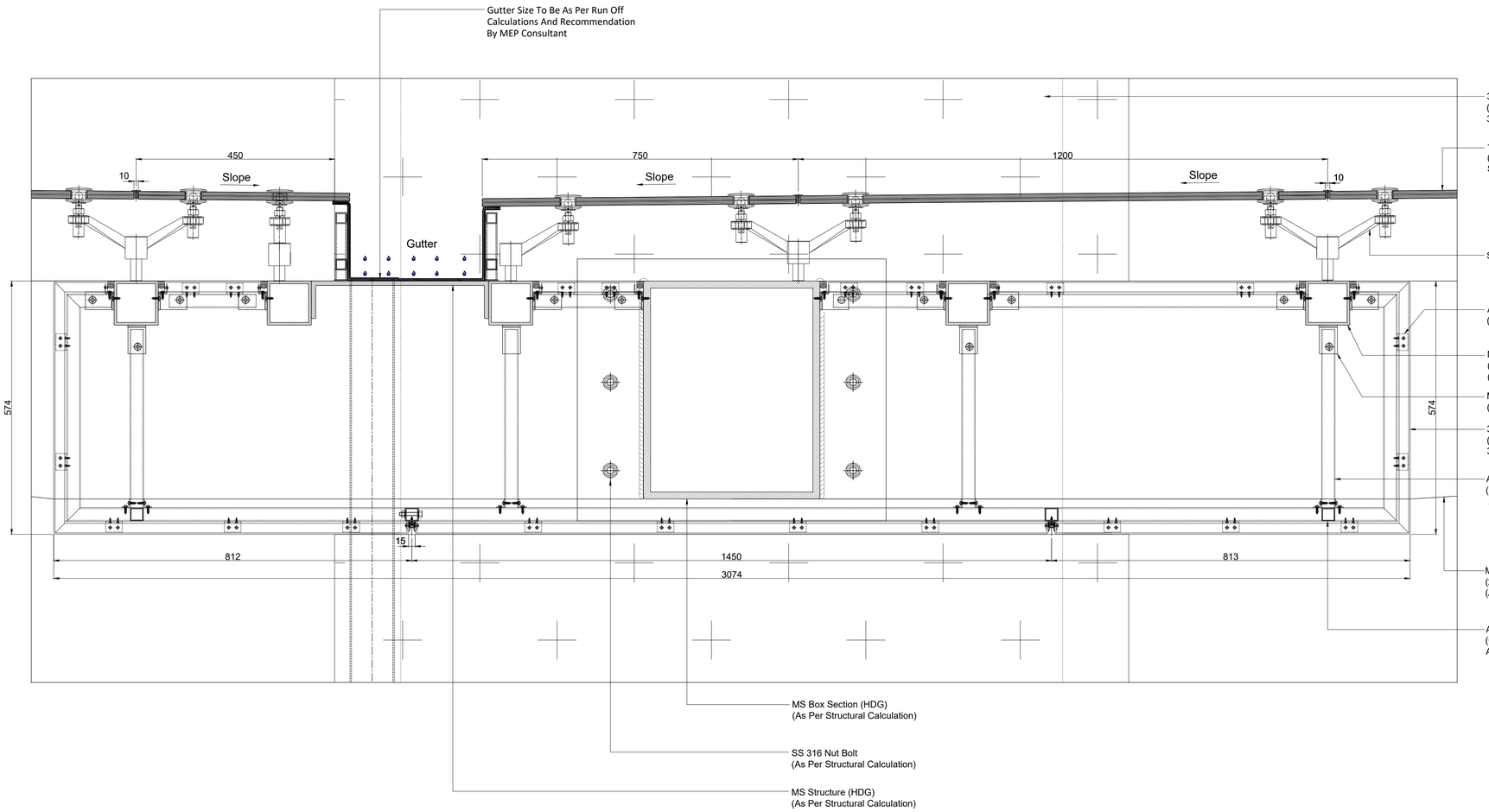
FILE NAME : A-4005.2-Entrance Glass canopy-Details

DRAWING NO. A-4005.2
SCALE : –
DC & DISC : MUM-CV
ISSUE R1
SIZE-A1
TCE FORM NO. 091 R1

FILE NAME: F-091-Rev-R1.dwg

TITLE: TIDEL PARK MADURAI
ENTRANCE GLASS CANOPY WITH CIRCULAR COLUMN CLADDING-DETAILS

DWG NO A-4005.3



DET 09 GUTTER WITH 3MM. THK. ALUMINUM PORTAL SECTION DETAIL
SCALE: 1:6

NOTES: –

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13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

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	INITIALS	OMKAR	AB	VV										30-07-2024
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R0	SIGN.													
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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE 14-06-2024
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CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:

TIDEL PARK MADURAI

ENTRANCE GLASS CANOPY WITH CIRCULAR COLUMN CLADDING-DETAILS

SCALE : –	DWG NO. A-4005.3	ISSUE R1
FILE NAME : A-4005.3-Entrance Glass canopy-Details	DC & DISC : MUM-CV	

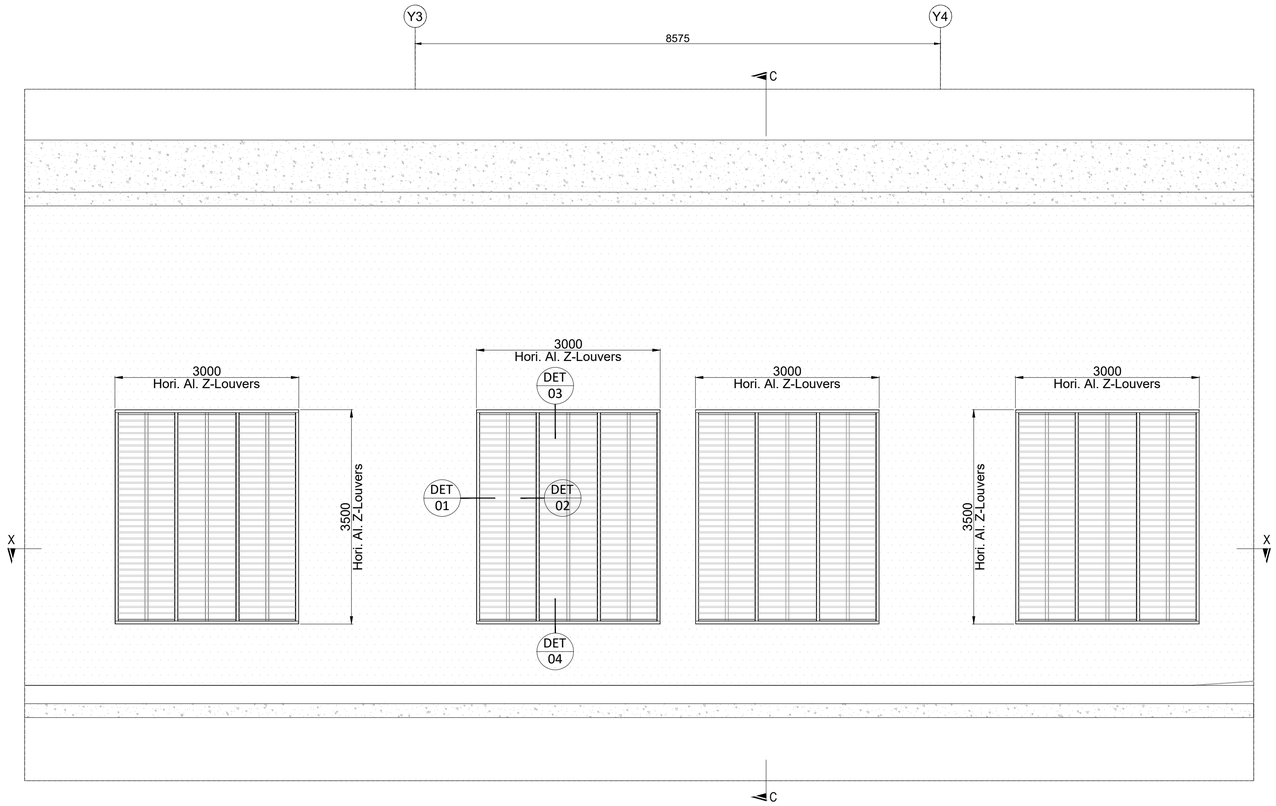
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

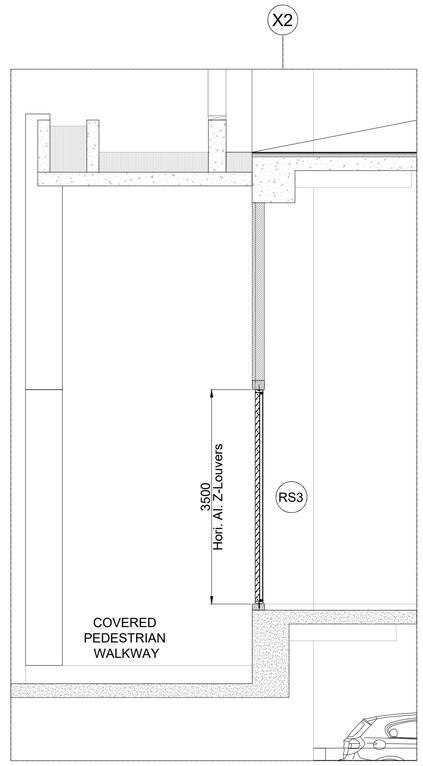
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI 'Z' LOUVERS (GROUND DG ROOM)

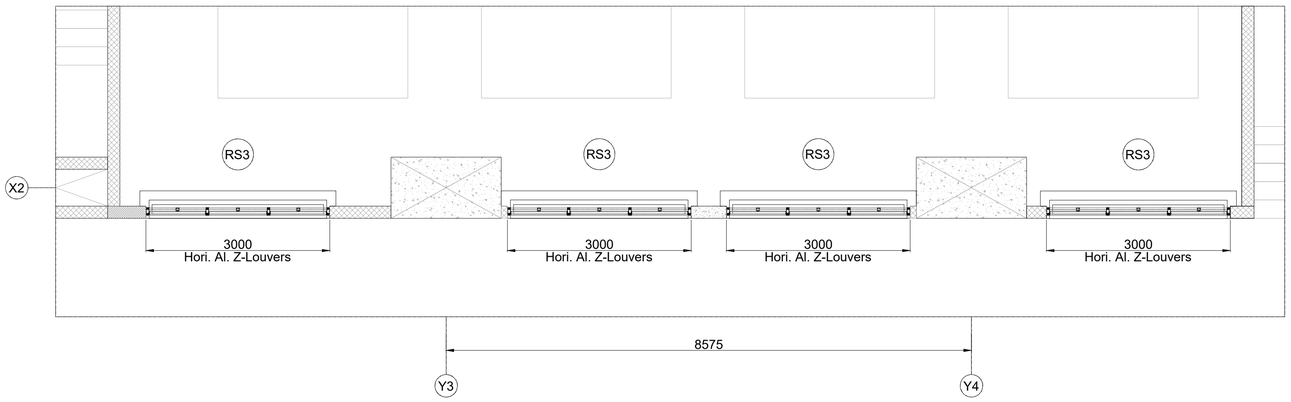
DWG NO A-4006



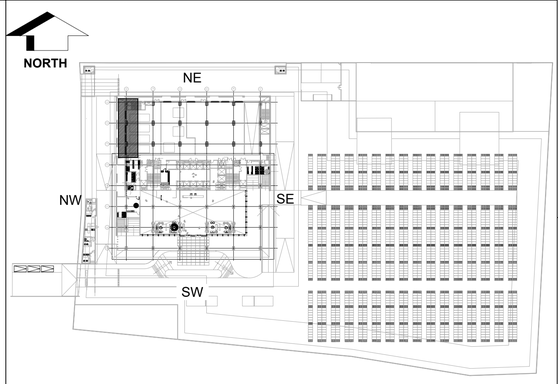
ELEVATION
FROM OUTSIDE



SECTION C-C



PLAN X-X



KEYPLAN
(NTS)

LEGEND:–

	Al. Vertical Box Tube
	Al. Horizontal Box Tube
	Al. Horizontal "Z' Louvers

NOTES:

1. All dimension are in mm unless otherwise specified.
2. All alum. structural profile thickness min.1.8 mm and at mechanical engagement location should be min. 2.5mm
3. All the externally visible surfaces shall have PVDF coating of 30 - 35 micron confirming to AAMA 2605. Internally visible surfaces shall have SDF coating of 70 - 80 micron confirming to AAMA 2604. Concealed aluminum surfaces shall have minimum chromotizing treatment. Shade approval to be taken from Client / Architect.
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6. All anchor to be designed for crack concrete condition and should be min. M10
7. G.I sheet 1.2mm Thk. for water membrane.
8. Alum. weather bar to be provided at operable locations.
9. All drawings to be read in conjunction with tender BOQ & technical specification
10. Dead load brackets (horizontal slot) to have tack welded sq. washers.
11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm.
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

R1	SIGN.													DATE
	INITIALS	OMKAR	AB	VV										30-06-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									17-06-2024

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:

TIDEL PARK MADURAI

'Z' LOUVERS (GROUND DG ROOM)

TENDER DOCUMENTATION

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FILE NAME : A-4006-'Z' louvers (Ground DG Room)

SCALE : 1:50	DWG NO. A-4006	ISSUE R1
DC & DISC : MUM-CV		

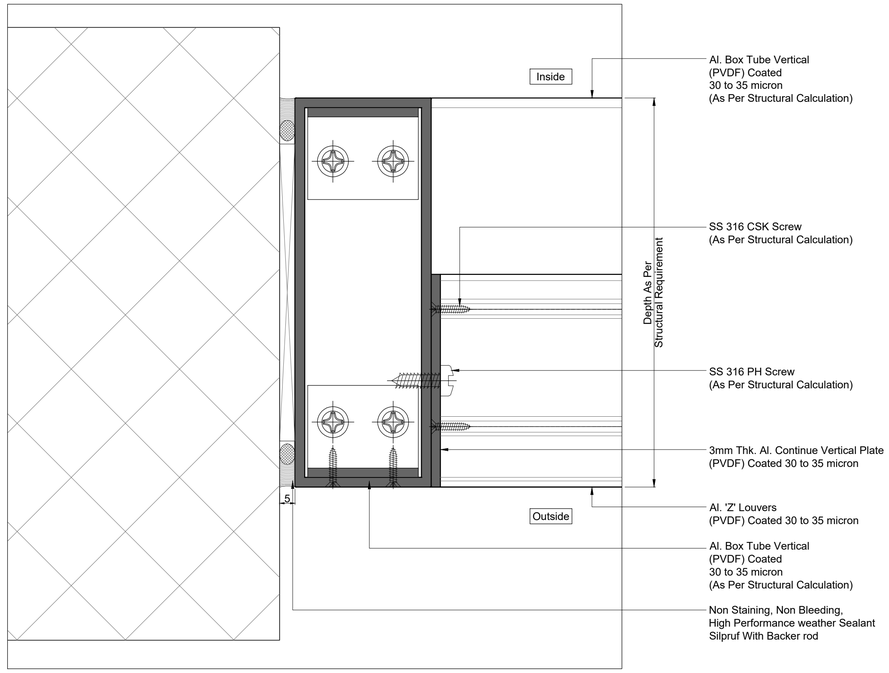
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

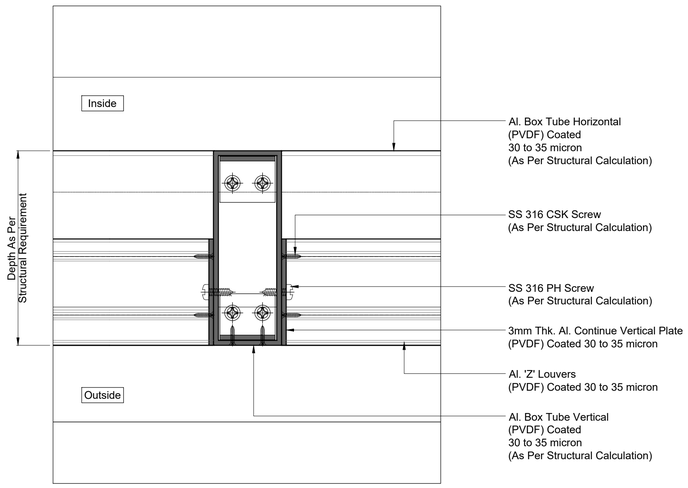
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
'Z' LOUVERS (GROUND DG ROOM) - DETAILS

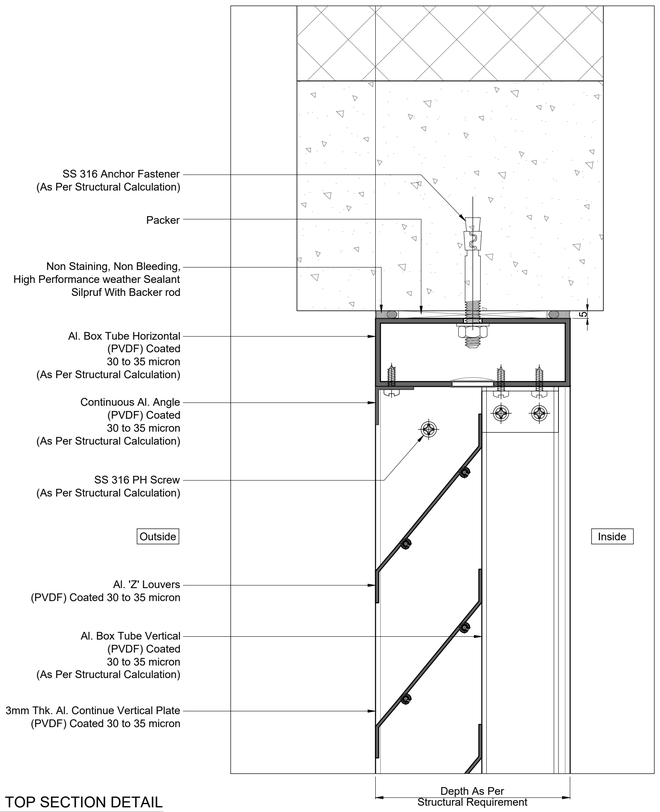
DWG NO A-4006.1



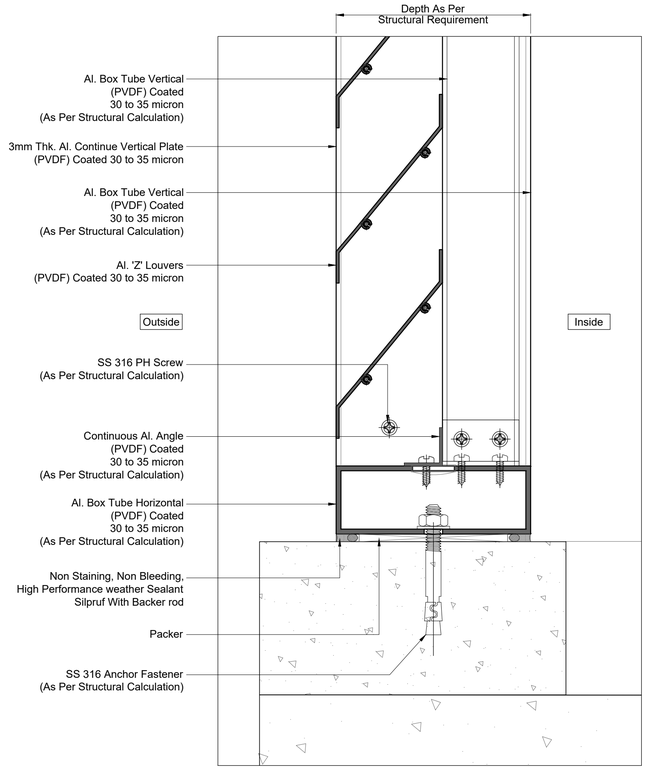
DET 01 'Z' LOUVERS CORNER PLAN DETAIL
SCALE: 1:1



DET 02 'Z' LOUVERS MID PLAN DETAIL
SCALE: 1:2



DET 03 'Z' LOUVERS TOP SECTION DETAIL
SCALE: 1:2



DET 04 'Z' LOUVERS BOTTOM SECTION DETAIL
SCALE: 1:2

NOTES:

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	REVISIONS												
R0	SIGN.												
	INITIALS	OMKAR	AB	VV									
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									17-06-2024

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CLIENT :
TIDEL
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
'Z' LOUVERS (GROUND DG ROOM) - DETAILS

SCALE	DWG NO.	ISSUE
: –	A-4006.1	R1
DC & DISC : MUM-CV		

FILE NAME : A-4006.1-'Z' louvers Details (Ground DG Room)

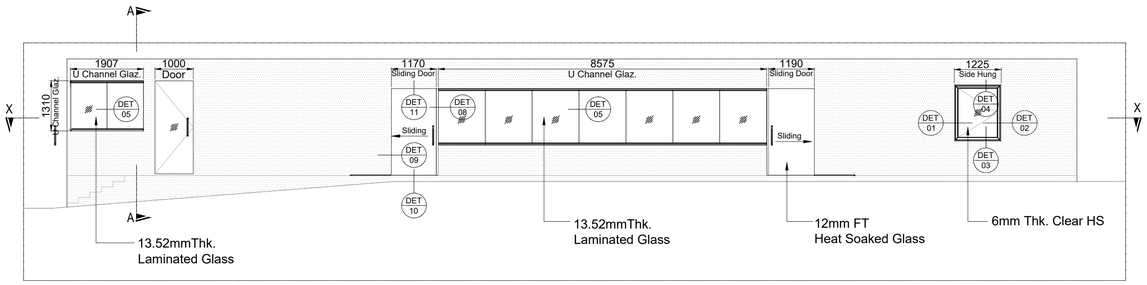
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

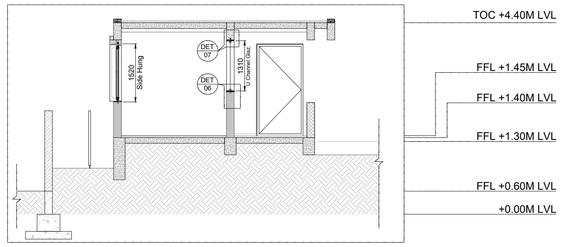
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
SECURITY CABIN FACADE

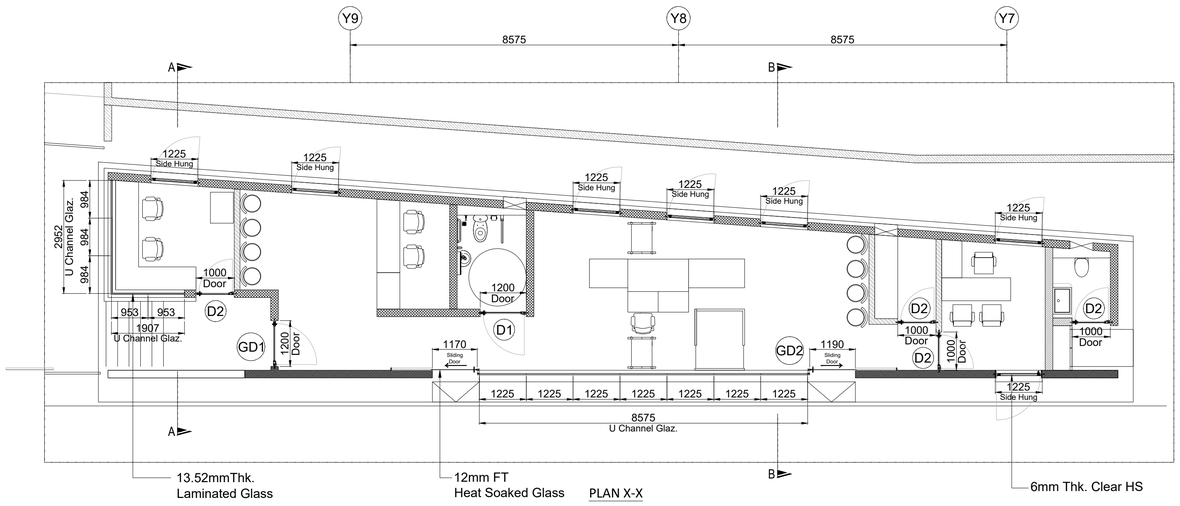
DWG NO A-4007



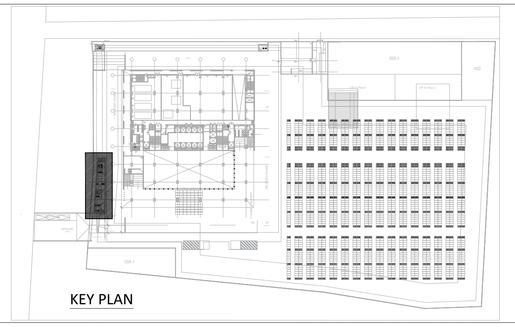
ELEVATION
FROM OUTSIDE



SECTION A-A



PLAN X-X



KEY PLAN

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	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									24-06-2024

CLIENT :

TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

TIDEL PARK MADURAI

SECURITY CABIN FACADE

SCALE : –

DC & DISC : MUM-CV

DWG NO. **A-4007**

ISSUE R1

SIZE-A1

TENDER DOCUMENTATION

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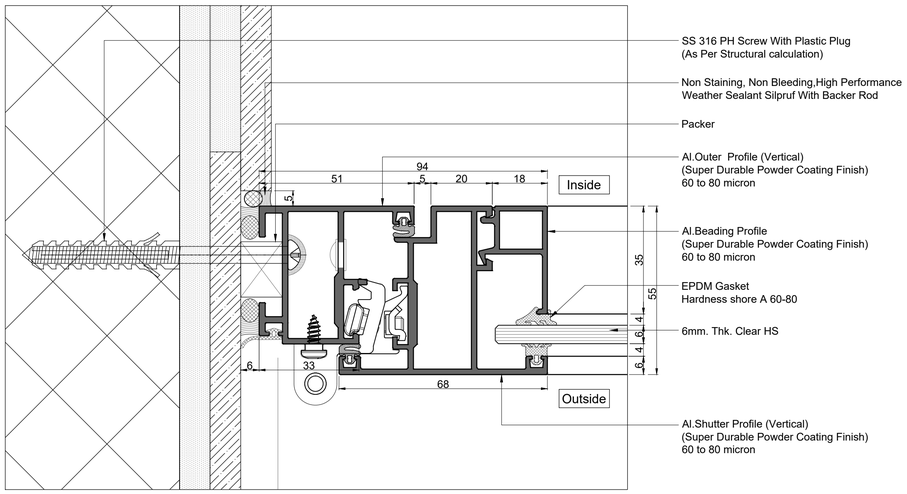
FILE NAME : A-4007-Security cabin Facade

FILE NAME: F-091-Rev-R1.dwg

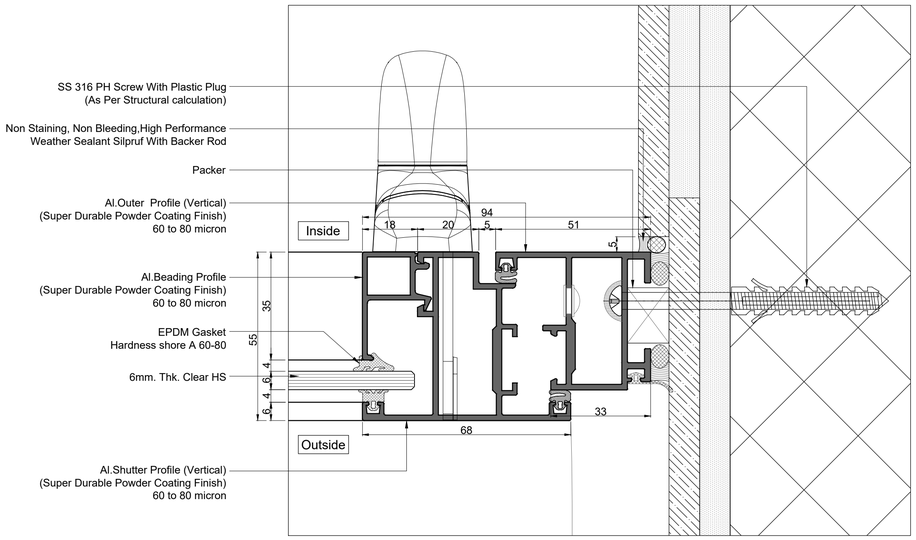
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
SECURITY CABIN FACADE-DETAILS

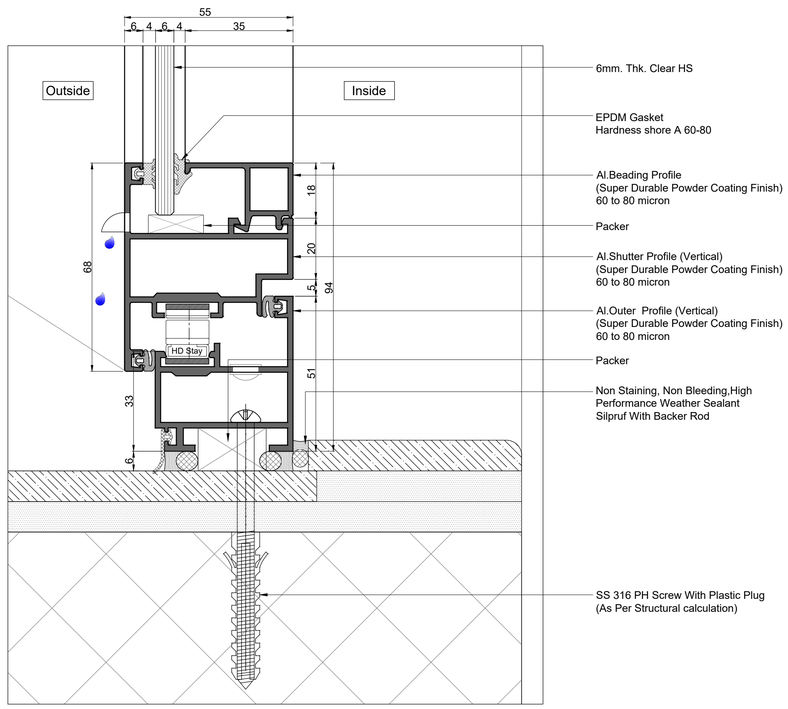
DWG NO A-4007.1



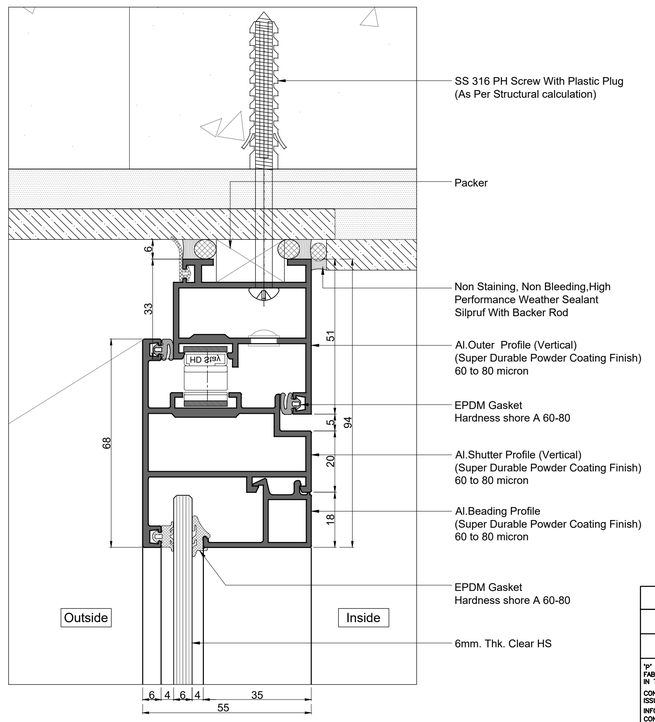
DET 01 SIDE HUNG WINDOW PLAN DETAIL
SCALE: 1:1



DET 02 SIDE HUNG WINDOW PLAN DETAIL
SCALE: 1:1



DET 03 SIDE HUNG SECTION BOTTOM DETAIL
SCALE: 1:1



DET 04 SIDE HUNG SECTION TOP DETAIL
SCALE: 1:1

NOTES:

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11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

R1	SIGN.												DATE 30-07-2024
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	REVISIONS												
R0	SIGN.												
	INITIALS	OMKAR	AB	VV									
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FILE NAME : A-4007.1- Security cabin facade details	SCALE : –	DWG NO. A-4007.1	ISSUE R1
	DC & DISC : MUM-CV		SIZE-A1

CLIENT :
TIDEL
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

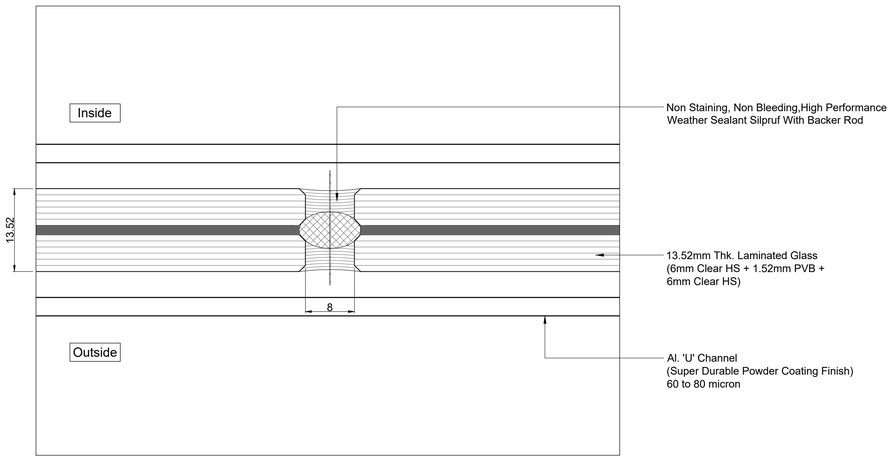
TITLE:
TIDEL PARK MADURAI
SECURITY CABIN FACADE-DETAILS

TCE FORM NO. 091 R1

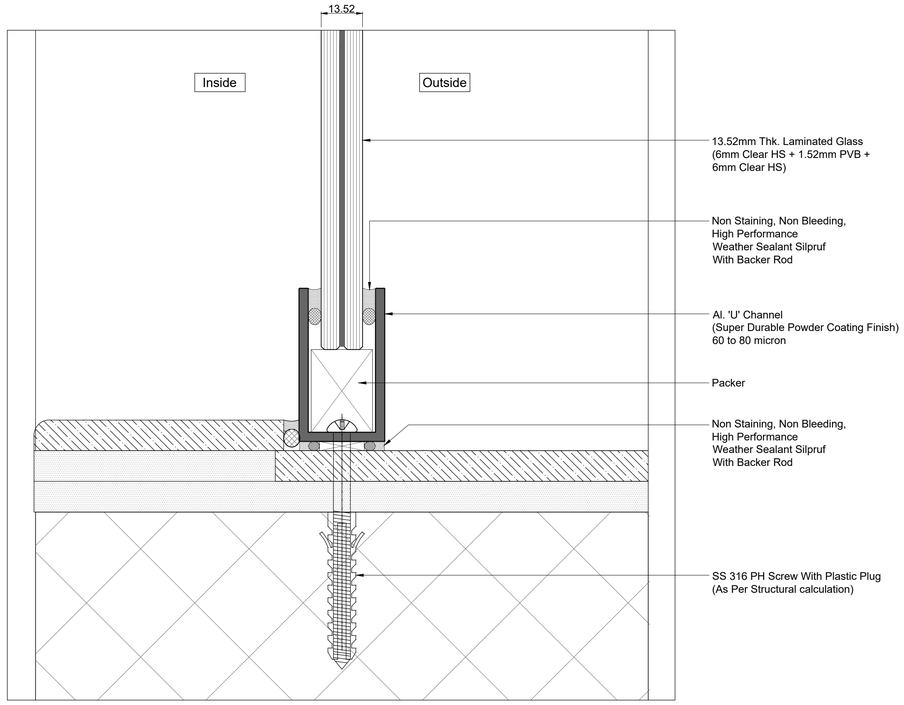
FILE NAME: F-091-Rev-R1.dwg

TITLE: TIDEL PARK MADURAI
SECURITY CABIN FACADE-DETAILS

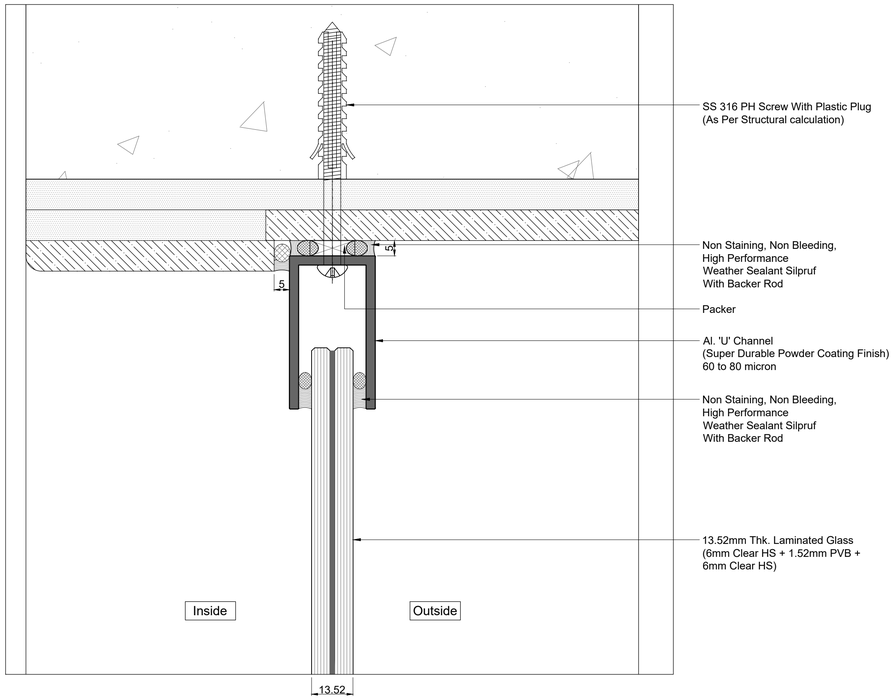
DWG NO A-4007.2



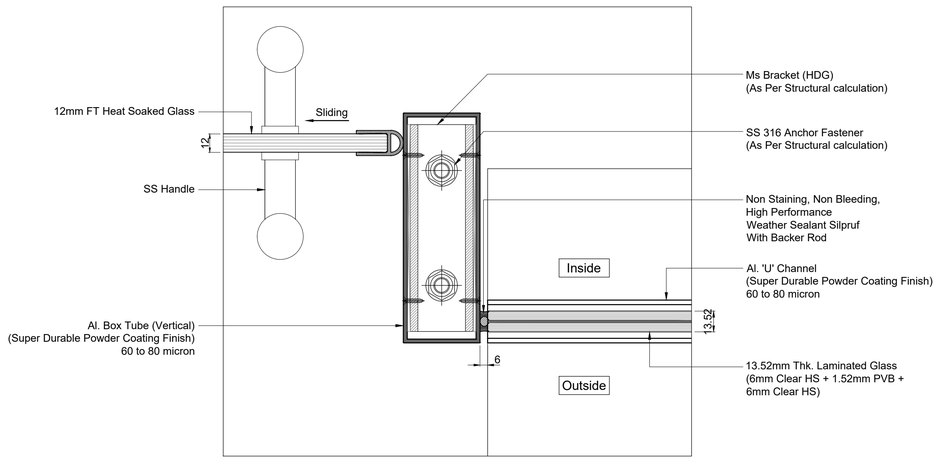
DET 05 U CHANNEL GLAZING TYPICAL PLAN DETAIL
SCALE: 2:1



DET 06 U CHANNEL GLAZING BOTTOM SECTION DETAIL
SCALE: 1:1



DET 07 U CHANNEL GLAZING TOP SECTION DETAIL
SCALE: 1:1



DET 08 SLIDING DOOR PLAN DETAILS WITH U CHANNEL GLAZING
SCALE: 1:2

NOTES:

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FILE NAME : A-4007.2- Security cabin facade details

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

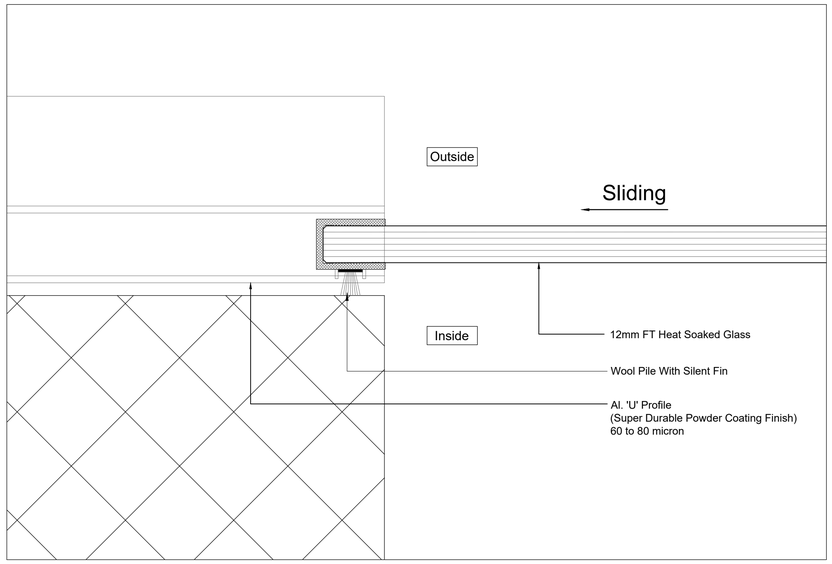
TITLE:
TIDEL PARK MADURAI
SECURITY CABIN FACADE-DETAILS

SCALE : -
DC & DISC : MUM-CV
DWG NO. A-4007.2
ISSUE R1
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg
TCE FORM NO. 091 R1

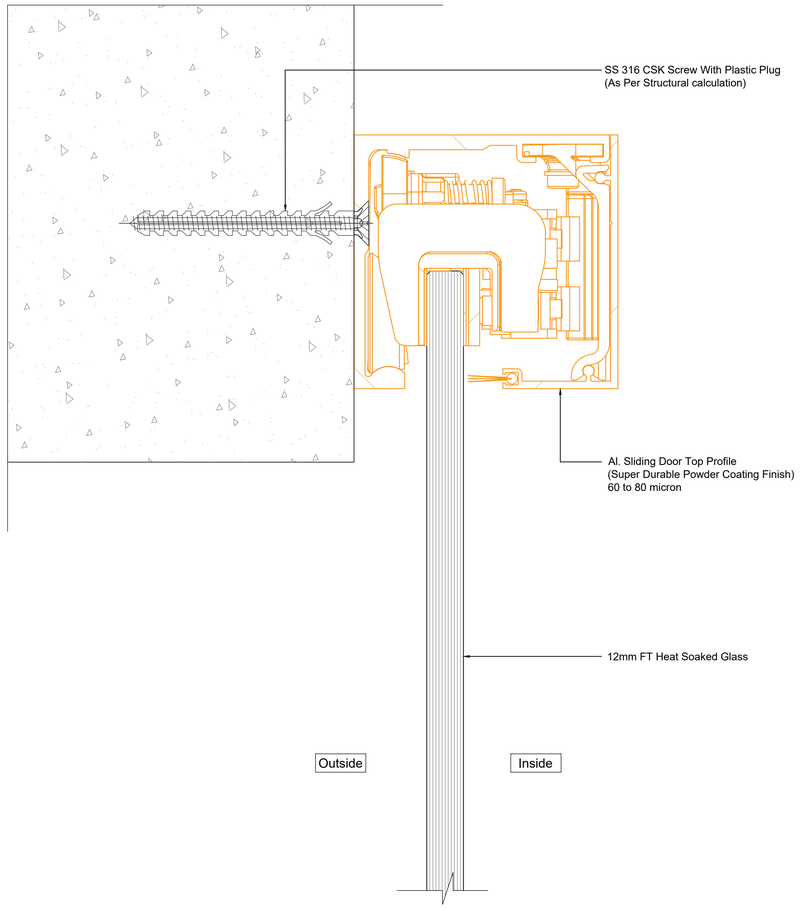
TITLE: TIDEL PARK MADURAI
SECURITY CABIN FACADE-DETAILS

DWG NO A-4007.3



DET 09 SLIDING DOOR PLAN DETAILS
SCALE: 1:1

DET 10 SLIDING DOOR BOTTOM DETAIL
SCALE: 1:1



DET 11 SLIDING DOOR TOP DETAIL
SCALE: 1:1

NOTES:

1. All dimension are in mm unless otherwise specified.
2. All alum. structural profile thickness min.1.8 mm and at mechanical engagement location should be min. 2.5mm
3. All the externally visible surfaces shall have PVDF coating of 30 - 35 micron confirming to AAMA 2605. Internally visible surfaces shall have SDF coating of 70 - 80 micron confirming to AAMA 2604. Concealed aluminum surfaces shall have minimum chromotizing treatment. Shade approval to be taken from Client / Architect.
4. Concealed MS structure to be Hot Dip Galvanized & exposed MS structure with 2 coat of epoxy and 3rd coat of PU paint.
5. Anchor assemblies to have sq. washers which are tack welded to brackets.
6. All anchor to be designed for crack concrete condition and should be min. M10
7. G.I sheet 1.2mm Thk. for water membrane.
8. Alum. weather bar to be provided at operable locations.
9. All drawings to be read in conjunction with tender BOQ & technical specification
10. Dead load brackets (horizontal slot) to have tack welded sq. washers.
11. All screw should be min #8 and anchor bolt should be min. M10.
12. Anchor edge distance should be maintained as minimum 100mm
13. All screw at drainage location to be sealed.

CONSTRUCTION REFERENCE DRAWINGS:

R1	SIGN.													DATE
	INITIALS	OMKAR	AB	VV										30-07-2024
	REVISIONS													
R0	SIGN.													
	INITIALS	OMKAR	AB	VV										
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									24-06-2024

TENDER DOCUMENTATION

DO NOT SCALE

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FILE NAME : A-4007.3- Security cabin facade details

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
SECURITY CABIN FACADE-DETAILS

SCALE	: –	DWG NO.	ISSUE
DC & DISC	: MUM-CV	A-4007.3	R1

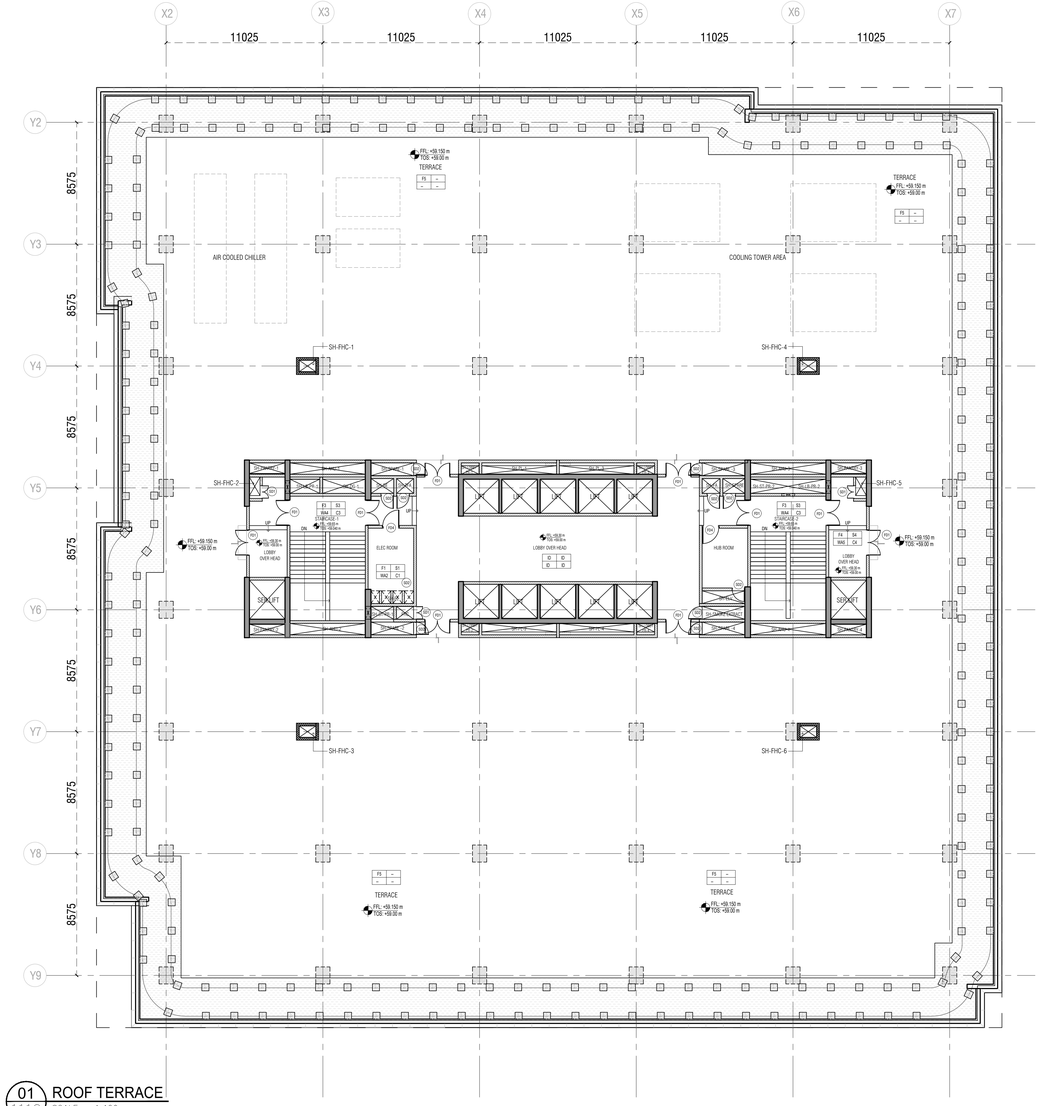
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

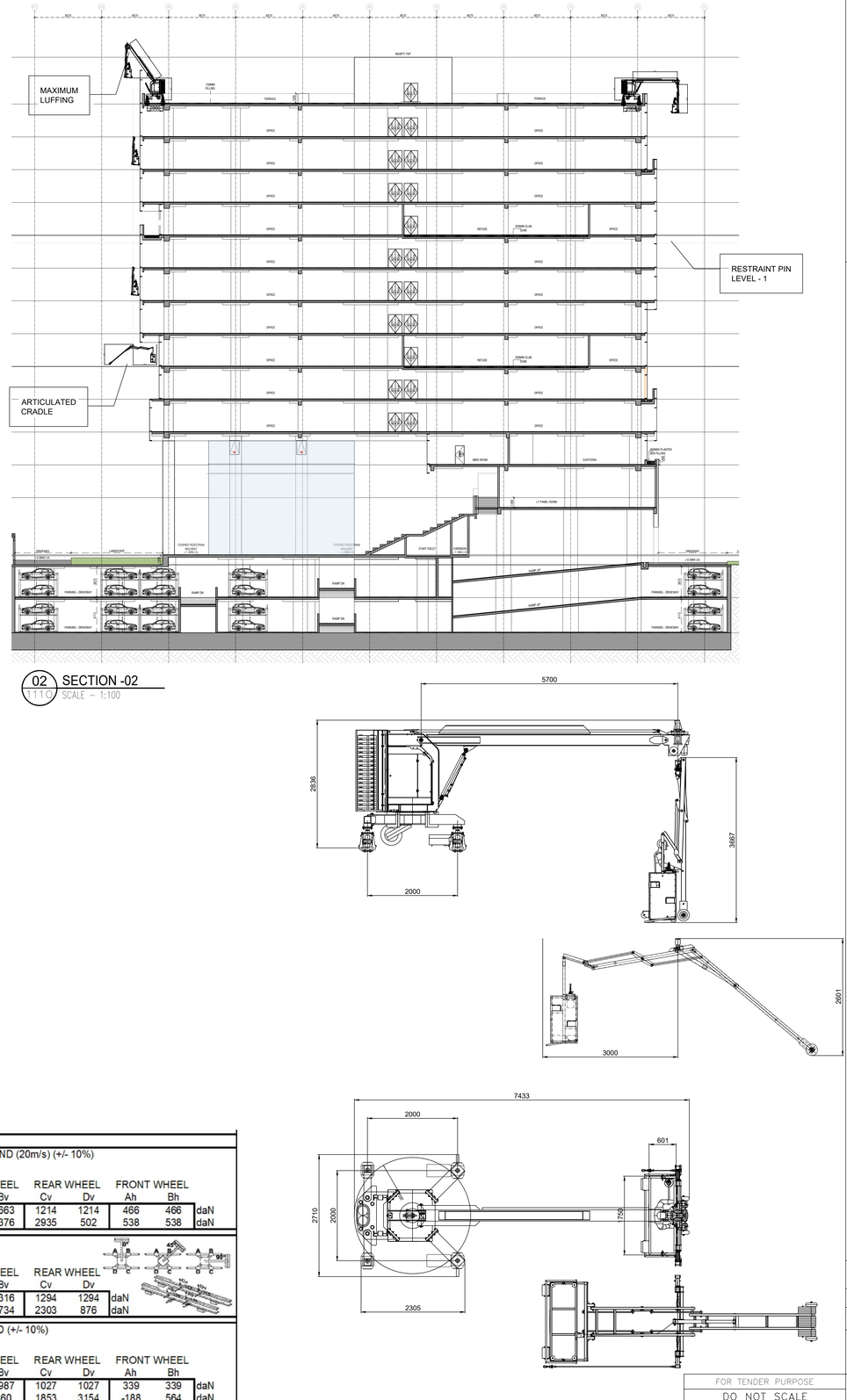
TCE FORM NO. 091 R1

TITLE: BMU SYSTEM

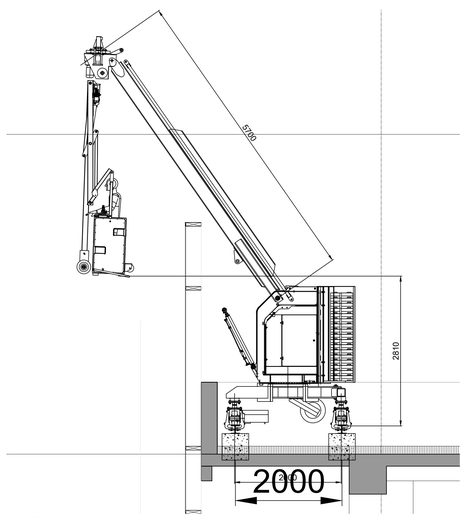
DWG NO A-4008



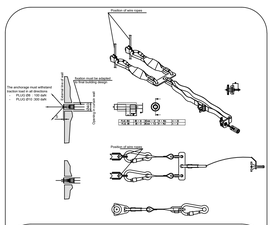
01 ROOF TERRACE
1:100 SCALE – 1:100



02 SECTION -02
1:100 SCALE – 1:100



03 DETAIL B
1:50 SCALE – 1:50



Standard restrain plugs.
Refer to load table for the type

FOR INFORMATION ONLY

Preliminary drawing prepared on early phase of building design. It may need to be modified to suit the building process or workshop capabilities. All dimensions are given for information only. Drawing can't be use for fabrication.

NOTA:DRAWING BASED ON DWG REF: RECIEVED ON THE

REACTIONS ACCORDING TO EN1808

LOAD CASE 1: IN SERVICE & AFFECTED BY REAR NORMAL WIND (20m/s) (+/- 10%)
1.25xTSL, 1.25xMo, 1.25xMi, 1.25xFw 1

			FRONT WHEEL		REAR WHEEL		FRONT WHEEL		
daN	*Angle turret*	*Angle jib*	Av	Bv	Cv	Dv	Ah	Bh	
In service conditions	*0*	*0*	4663	4663	1214	1214	466	466	daN
In service conditions	*45*	*0*	2942	5376	2935	502	538	538	daN

LOAD CASE 2a: OCCASIONAL CONDITIONS (+/-10%)
1.5xRL, 1xSWP, 1.25xHWLL, 1xHSW, 1xMo, 1xMi

			FRONT WHEEL		REAR WHEEL		
daN	*Angle turret*	*Angle jib*	Av	Bv	Cv	Dv	
Occasional conditions	*0*	*0*	3316	3316	1294	1294	daN
Occasional conditions	*45*	*0*	2308	3734	2303	876	daN

LOAD CASE 2b: OUT OF SERVICE & AFFECTED BY STORM WIND (+/- 10%)
TSL=0, 1xMo, 1xMi, Fw 2

			FRONT WHEEL		REAR WHEEL		FRONT WHEEL		
daN	*Angle turret*	*Angle jib*	Av	Bv	Cv	Dv	Ah	Bh	
Storm wind Frontal	*180*	*0*	2987	2987	1027	1027	339	339	daN
Storm wind Lateral	*90*	*0*	2161	860	1853	3154	-188	564	daN

LOAD CASE 3: TRIGGERING OF THE SECONDARY DEVICE (Sd=3) (+/- 10%)
3xTSL, 1.1xTSHL, 1xMo, 1xMi

			FRONT WHEEL		REAR WHEEL		
daN	*Angle turret*	*Angle jib*	Av	Bv	Cv	Dv	
Extreme conditions	*0*	*0*	7435	7435	-1597	-1597	daN
Extreme conditions	*45*	*0*	2921	9304	2916	-3467	daN

MACHINE STABILITY CALCULATION COMPLYING WITH EN1808

04 BMU DETAILS
1:100 SCALE – 1:100

KEYPLAN

LEGEND:–

NOTES: –

ENGINEERING REFERENCE DRAWINGS:

CONSTRUCTION REFERENCE DRAWINGS:

FOR TENDER PURPOSE
DO NOT SCALE

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	SIGN.														
	INITIALS														
	REVISIONS														
R0	SIGN.														
	INITIALS														
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD–MM–YYY	
		CLEARED													

CLIENT : TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE: BMU SYSTEM

SCALE : AS INDICATED | DWG NO. A-4008 | ISSUE R0
DC & DISC: MUM-CV
FILE NAME : A-4008-BMU SYSTEM
SIZE-A1

FILE NAME: T-091-Rev-R1.dwg

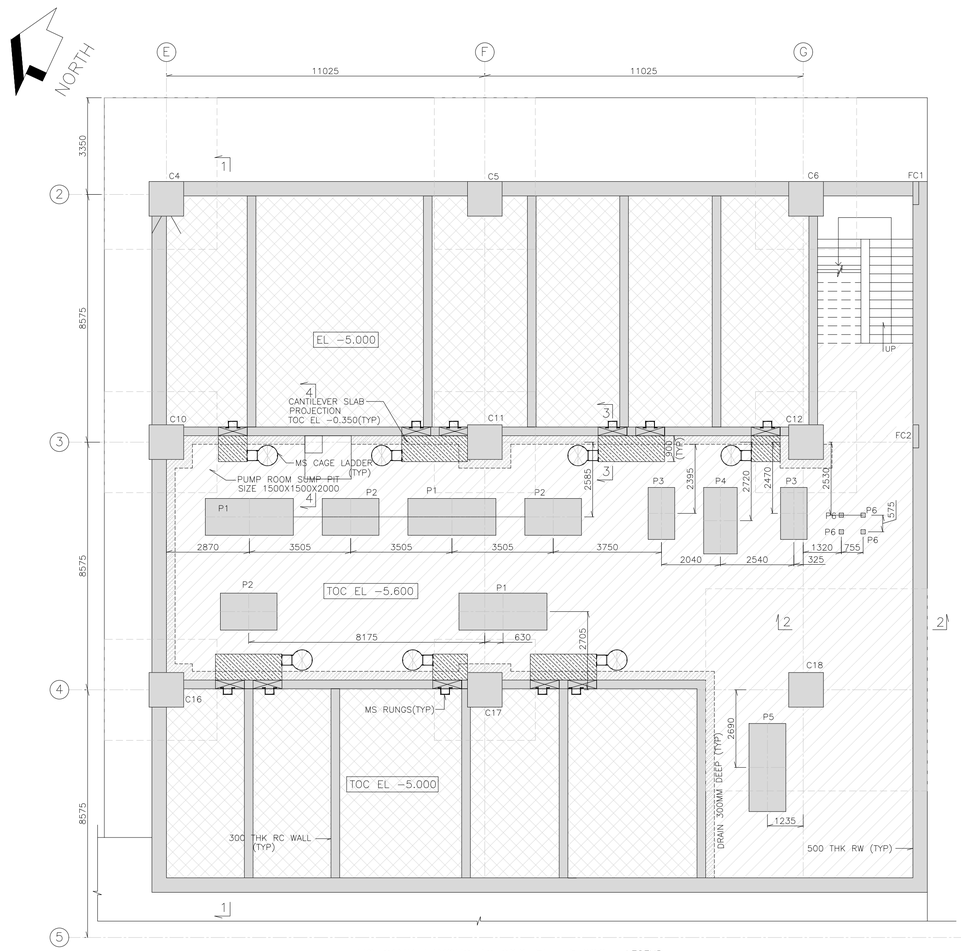
TCE FORM NO. 091 R1

TENDER DRAWINGS
STRUCTURE

TENDER DRAWINGS LIST - STRUCTURE		
Sl. NO	**DRAWING NUMBER**	**DRAWING TITLE**
1	TCE.13417A-CV-3000-RC-30003	TIDEL Park, Madurai Layout and Details of UG Tank
2	TCE.13417A-CV-3000-RC-30005	TIDEL Park, Madurai Layout and Details of Foundation
3	TCE.13417A-CV-3000-RC-30032	TIDEL Park, Madurai Ground Floor Layout and Details
4	TCE.13417A-CV-3000-RC-30042	TIDEL Park, Madurai Layout and Details of Entrance Staircase -01
5	TCE.13417A-CV-3000-RC-30044	TIDEL Park, Madurai Layout and Details of Entrance Staircase -02
6	TCE.13417A-CV-3000-RC-30046	TIDEL Park, Madurai Mezzanine Floor Layout and Details
7	TCE.13417A-CV-3000-RC-30052	TIDEL Park, Madurai First Floor Layout and Details
8	TCE.13417A-CV-3000-RC-30058	TIDEL Park, Madurai Second floor Layout and Details
9	TCE.13417A-CV-3000-RC-30064	TIDEL Park, Madurai Third Floor Layout and Details
10	TCE.13417A-CV-3000-RC-30070	TIDEL Park, Madurai Fourth Floor Layout and Details
11	TCE.13417A-CV-3000-RC-30076	TIDEL Park, Madurai Fifth Floor Layout and Details
12	TCE.13417A-CV-3000-RC-30082	TIDEL Park, Madurai Sixth Floor Layout and Details
13	TCE.13417A-CV-3000-RC-30088	TIDEL Park, Madurai Seventh Floor Layout and Details
14	TCE.13417A-CV-3000-RC-30094	TIDEL Park, Madurai Eighth Floor Layout and Details
15	TCE.13417A-CV-3000-RC-30100	TIDEL Park, Madurai Ninth Floor Layout and Details
16	TCE.13417A-CV-3000-RC-30106	TIDEL Park, Madurai Tenth Floor Layout and Details
17	TCE.13417A-CV-3000-RC-30112	TIDEL Park, Madurai Eleventh Floor Layout and Details
18	TCE.13417A-CV-3000-RC-30118	TIDEL Park, Madurai Twelfth Floor Layout and Details
19	TCE.13417A-CV-3000-RC-30124	TIDEL Park, Madurai Terrace Floor Layout and Details
20	TCE.13417A-CV-3000-RC-30140	TIDEL Park, Madurai Layout and Details of Staircase - 01 & 02
21	TCE.13417A-CV-3000-RC-30141	TIDEL Park, Madurai Layout and Details of Staircase - 01 & 02
22	TCE.13417A-CV-3000-RC-30144	TIDEL Park, Madurai Layout and Details of Staircase - 03

TITLE: TIDEL PARK MADURAI
LAYOUT AND DETAILS OF UG TANK

DWG NO TCE.13417A-CV-3000-RC-30003

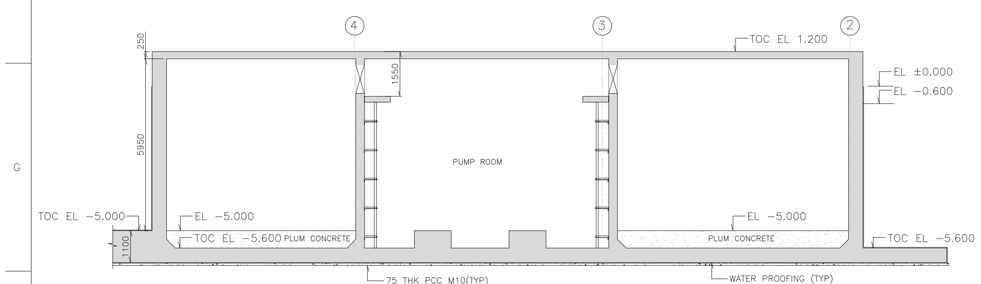


UG TANK LAYOUT AT TOC EL −5.600

LEGEND

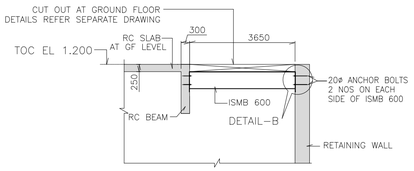
INDCATE TOC EL −5.000

INDICATE TOC EL −5.600

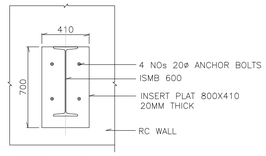


SECTION 1−1

(SCALE 1:100)

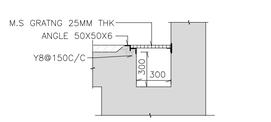


SECTION 2−2



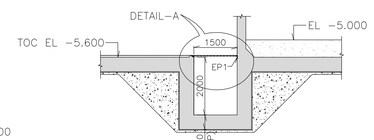
DETAIL−B

(SCALE 1:25)



TYPICAL RC DETAIL OF DRAIN

(SCALE 1:25)

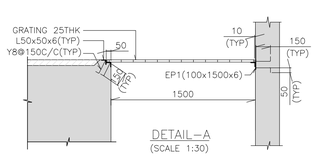


SECTION 4−4

(SCALE 1:100)

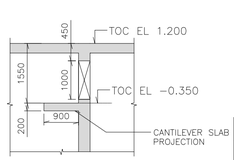
SCHEDULE OF PEDESTALS

PEDESTAL NO.	SIZE			NOs
	L	W	D	
P1	3050	1300	600	03
P2	1960	1300	600	03
P3	920	1800	600	02
P4	1165	2300	600	01
P5	1300	3050	600	01
P6	150	150	600	04



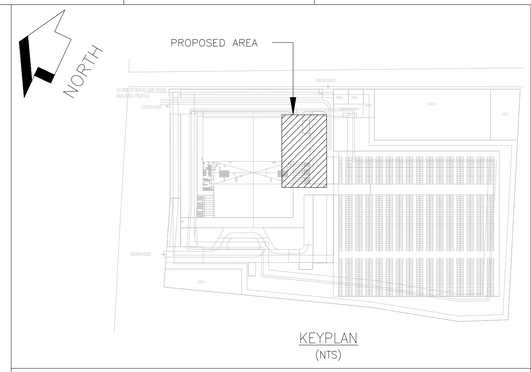
DETAIL−A

(SCALE 1:30)



SECTION 3−3

(SCALE 1:75)



KEYPLAN

(NTS)

LEGEND:−

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
			TERMINATE

NOTES:−

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) RAFT = M30
   B) COLUMN = M40
   C) RC WALL = M40
   D) UG TANK WALL = M30
   E) RETAINING WALL = M30
   F) BEAM = M30
   G) SLAB = M30
   H) OTHER ELEMENTS = M30
5. GRADE OF PCC SHALL BE M10 FOR RAFT.
6. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS−1786.
7. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS RAFT = 50MM, RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
8. WATER PROOFING TREATMENT SHELL BE PROVIDED FOR RETAINING WALL, UG TANK WALL, RAFT, ETC AS PER TENDER SPECIFICATION.
9. WATER STOPS SHALL BE PROVIDED AT CONSTRUCTION JOINT AS PER TENDER SPECIFICATION.
10. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
11. BEFORE PCC STRATA AT THE FOUNDATION DEPTH, THE STRATA SHALL BE VERIFIED IN PRESENCE OF ENGINEER.
12. IN CASE OF OVER EXCAVATION IN WEATHERED ROCK,REFILL WITH LEAN CONCRETE. FOUNDATION SHALL REST ON SINGLE TYPE OF STRATA.
13. THE STRATA ONCE EXCAVATED SHOULD NOT BE EXPOSED TO ENVIRONMENT TO AVOID DEGRADATION.\
14. OTHER POINTS REGARDING EXCAVATION, BACKFILLING,CONSOLIDATION/COMPACTION, DEWATERING, PROVIDING SOLING IN SOFT/ SLUSHY SOIL ETC, EXCAVATION IN SOIL/ROCK. SHALL BE FOLLOWED BY CONTRACTOR AS PER AGREEMENT AND SOIL REPORT RECOMMENDATION AND STANDARD CODES OF PRACTICE.

IMPORTANT NOTES:−

1. LOCATION OF PIPE SLEEVES IN WALL/SLAB FOR PUDDLE FLANGES ARE TENTATIVE ONLY. THE SHOP DRAWINGS WITH FINAL EQUIPMENT DETAILS AND LOCATION OF PIPE SLEEVES WITH PUDDLE FLANGES SHALL BE SUBMITTED BY THE CONTRACTOR AND GOT APPROVED FROM TCE BEFORE EXECUTION. ANY CHANGES IN THE LOCATION OF PIPE SLEEVE WITH RESPECT TO FINAL VENDOR EQUIPMENT DETAILS SHALL BE MODIFIED AND SHOWN IN THE SHOP DRAWINGS.
2. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
3. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

CONSTRUCTION REFERENCE DRAWING:

----NIL----

		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
	SIGN.													
	INITIALS													
	REVISIONS													
R0	SIGN.													
	INITIALS	(SL)	(JM)	(PPR)								(PPR)	(RLD)	22−07−2024
ISSUE					CLEARED									

CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
LAYOUT AND DETAILS OF UG TANK

FOR TENDER PURPOSE
DO NOT SCALE

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SCALE : AS INDICATED	DWG NO. TCE.13417A-CV-3000-RC-30003	ISSUE R0
DC & DISC : MUM-CV		

FILE NAME : TCE.13417A−CV−3000−RC−30003

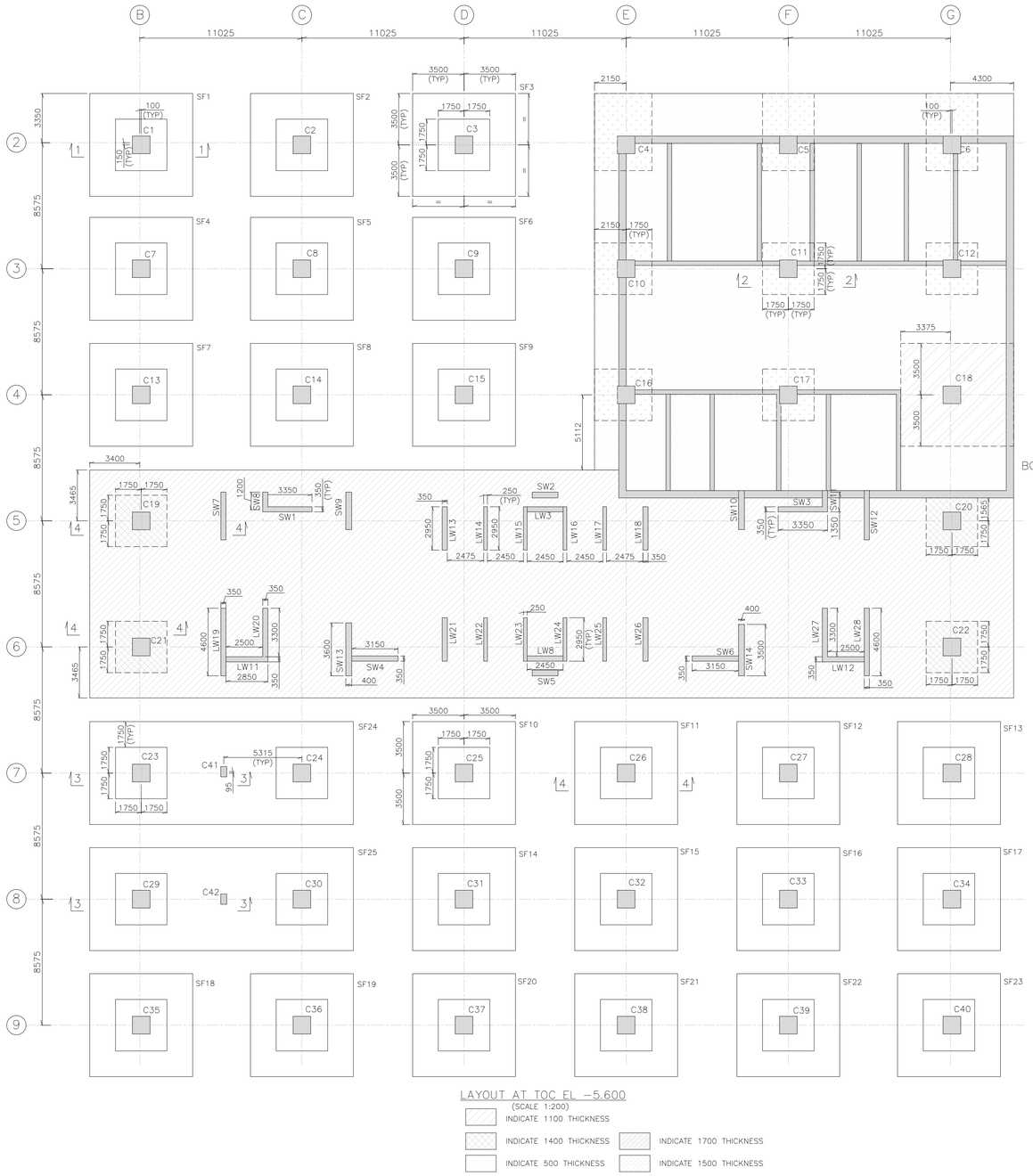
FILE NAME: F−091−Rev−R1.dwg

TCE FORM NO. 091 R1

SIZE−A1

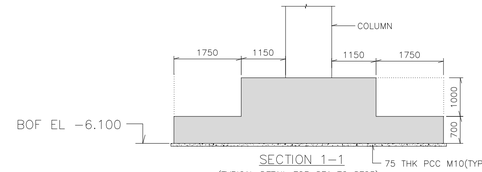
TITLE: TIDEL PARK MADURAI
LAYOUT AND DETAILS OF FOUNDATION

DWG NO TCE.13417A-CV-3000-RC-30005

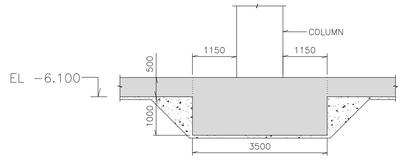


LAYOUT AT TOC EL -5.600
(SCALE 1:200)

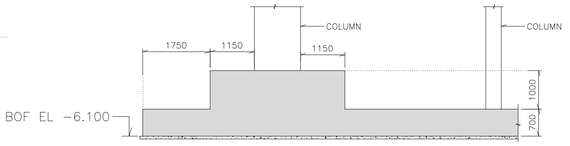
INDICATE 1100 THICKNESS
INDICATE 1400 THICKNESS
INDICATE 1700 THICKNESS
INDICATE 500 THICKNESS
INDICATE 1500 THICKNESS



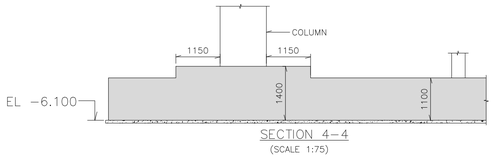
SECTION 1-1
(TYPICAL DETAIL FOR SF1 TO SF23)
(SCALE 1:75)



SECTION 2-2
(TYPICAL DETAIL)
(SCALE 1:75)



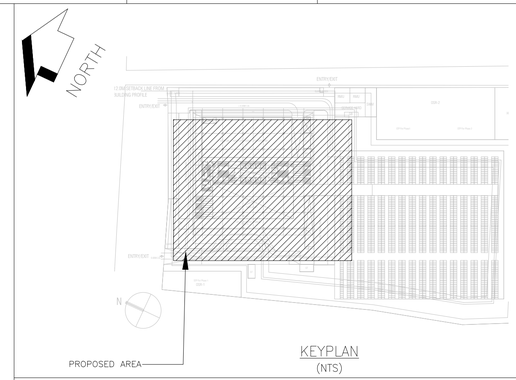
SECTION 3-3
(TYPICAL DETAIL FOR SF24 TO SF25)
(SCALE 1:75)



SECTION 4-4
(SCALE 1:75)

COLUMN SCHEDULE

COLUMN NUMBER	FLOOR TO FLOOR	COLUMN SIZE
C1 TO C40	FOUNDATION TO 3RD FLOOR	1200 X 1200
	3RD FLOOR TO 6TH FLOOR	1000 X 1000
	6TH FLOOR TO TERRACE	800 X 800
C41 & C42	FOUNDATION TO 1ST FLOOR	400 X 700
FC1 & FC2	GROUND FLOOR TO 1ST FLOOR	200 X 800
SW7,SW12	FOUNDATION TO 6TH FLOOR	350 X 3250
	6TH FLOOR TO STAIRCASE HEADROOM	200 X 3250
SW2,SW5	FOUNDATION TO 6TH FLOOR	400 X 1750
	6TH FLOOR TO TERRACE	200 X 1750
SW9	FOUNDATION TO 6TH FLOOR	400 X 2550
	6TH FLOOR TO TERRACE FLOOR	300 X 2550
SW10	FOUNDATION TO GROUND FLOOR	400 X 2650
	GROUND FLOOR TO 6TH FLOOR	400 X 2550
	6TH FLOOR TO TERRACE FLOOR	300 X 2550
LW13,LW18,LW21,LW26	FOUNDATION TO 6TH FLOOR	350 X 2950
	6TH FLOOR TO LIFT MACHINE ROOM	200 X 2950
LW14,LW17,LW22,LW25	FOUNDATION TO TERRACE FLOOR	250 X 2950



KEYPLAN
(NTS)

LEGEND:-

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cxx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
BOF	BOTTOM OF FOOTING	RW	RETAINING WALL
SFxx	STEPPED FOOTING		

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) RAFT = M30
   B) COLUMN = M40
   C) RC WALL = M40
   D) UG TANK WALL = M30
   E) RETAINING WALL = M30
   F) BEAM = M30
   G) SLAB = M30
   H) OTHER ELEMENTS = M30
5. GRADE OF PCC SHALL BE M10 FOR RAFT.
6. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS-1786.
7. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS RAFT = 50MM, RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM.
8. A NET SBC OF 400 KN/M2 IS CONSIDERED AT BOTTOM OF FOUNDATION LEVEL.
9. WATER PROOFING TREATMENT SHELL BE PROVIDED FOR RETAINING WALL, UG TANK WALL, RAFT, ETC AS PER TENDER SPECIFICATION.
10. WATER STOPS SHALL BE PROVIDED AT CONSTRUCTION JOINT AS PER TENDER SPECIFICATION.
11. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
12. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
13. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE
14. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE
15. BEFORE PCC STRATA AT THE FOUNDATION DEPTH, THE STRATA SHALL BE VERIFIED IN PRESENCE OF ENGINEER.
16. IN CASE OF OVER EXCAVATION IN WEATHERED ROCK,REFILL WITH LEAN CONCRETE. FOUNDATION SHALL REST ON SINGLE TYPE OF STRATA.
17. THE STRATA ONCE EXCAVATED SHOULD NOT BE EXPOSED TO ENVIRONMENT TO AVOID DEGRADATION.
18. OTHER POINTS REGARDING EXCAVATION, BACKFILLING,CONSOLIDATION/COMPACTION, DEWATERING, PROVIDING SOLING IN SOFT/ SLUSHY SOIL ETC, EXCAVATION IN SOIL/ROCK. SHALL BE FOLLOWED BY CONTRACTOR AS PER AGREEMENT AND SOIL REPORT RECOMMENDATION AND STANDARD CODES OF PRACTICE.

IMPORTANT NOTE

STRUCTURAL MEMBERS SIZES ARRANGEMENTS, PEDESTAL LOCATION AND SIZES AND CUTOUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

CONSTRUCTION REFERENCE DRAWING:

TIDEL PARK MADURAI – LAYOUT AND DETAILS OF UG TANK ------TCE.13417A-CV-3000-RC-30003

	SIGN.													
	INITIALS													
	REVISIONS													
R0	SIGN.													24-07-2024
	INITIALS	(SL)	(LSB)	(JM)								(PPR)	(RLD)	
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

TIDEL PARK MADURAI

LAYOUT AND DETAILS OF FOUNDATION

SCALE : AS INDICATED
DC & DISC : MUM-CV
DWG NO. TCE.13417A-CV-3000-RC-30005
ISSUE R0
SIZE-A1

FOR TENDER PURPOSE
DO NOT SCALE

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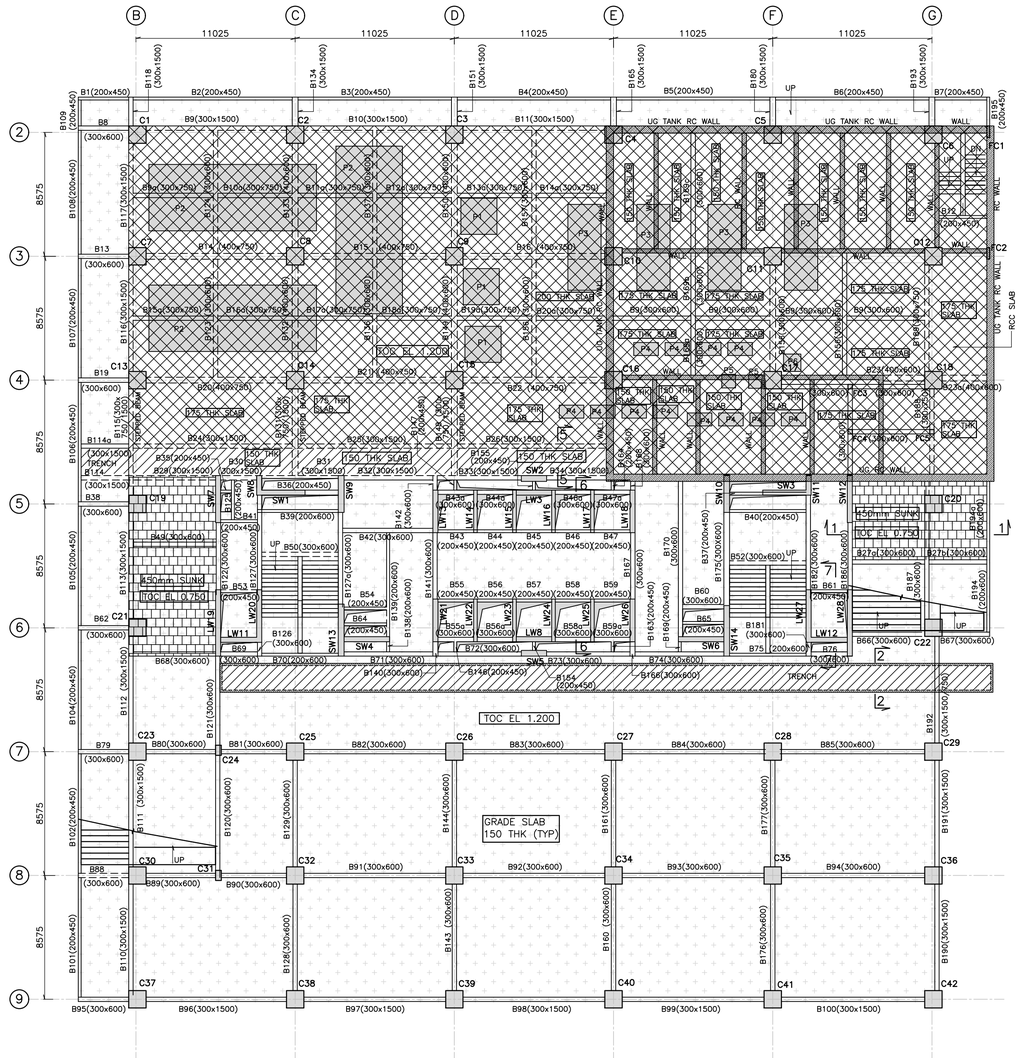
FILE NAME : TCE.13417A-CV-3000-RC-30005

FILE NAME: F-091-Rev-R1.dwg

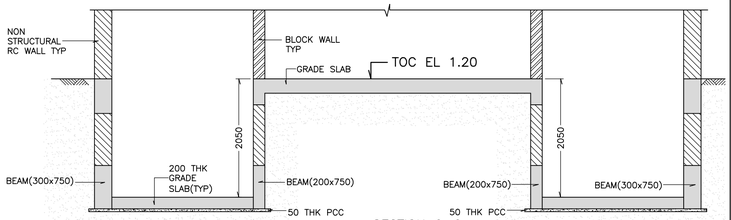
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
GROUND FLOOR LAYOUT AND DETAILS

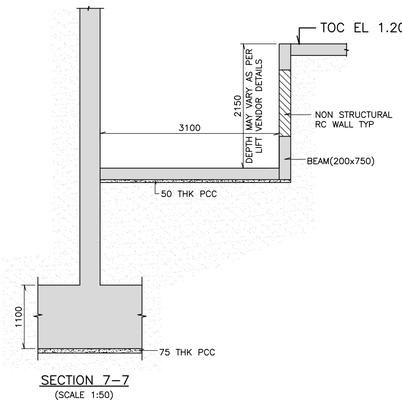
DWG NO TCE.13417A-CV-3000-RC-30032



LAYOUT OF GROUND FLOOR
(ALL SLAB THICKNESS 200 THK(UN)
(SCALE 1:200)



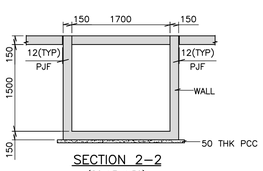
SECTION 6–6
(SCALE 1:50)



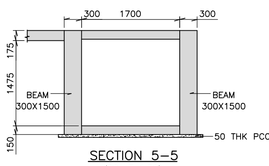
SECTION 7–7
(SCALE 1:50)

SCHEDULE OF PEDESTALS

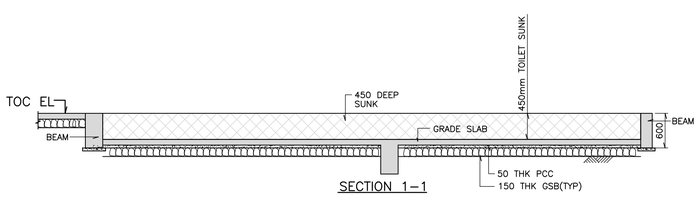
PEDESTAL NO.	SIZE			NOs
	L	W	D	
P1	2500	2500	750	03
P2	11600	4600	400	03
P3	2300	5950	150	04
P4	1700	900	150	12
P5	950	950	150	02
P6	1200	1200	150	01



SECTION 2–2
(SCALE 1:50)



SECTION 5–5
(SCALE 1:50)



SECTION 1–1
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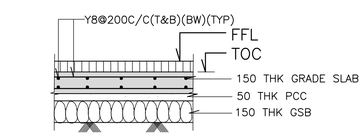
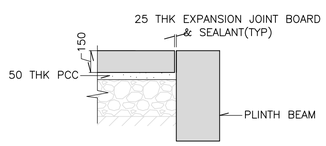
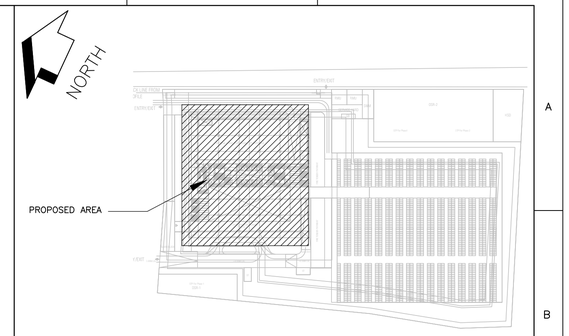


TYPICAL DETAIL OF GRADE SLAB
(SCALE 1:25)



TYPICAL JUNCTION DETAIL OF PLINTH BEAM & GRADE SLAB
(SCALE 1:25)



KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION	Bxx	BEAM NUMBER
MIN	MINIMUM	NTS	NOT TO SCALE	MB	MID LANDING BEAM
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE	OPNG	OPENING
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE	FCx	FLOATING COLUMN NUMBER
L	LENGTH	THK	THICK		
B	BREADTH	UNO	UNLESS NOTED OTHERWISE		
D	DEPTH	C/C	CENTRE TO CENTRE		
Cxx	COLUMN NUMBER	℄	CENTER LINE		
Px	PEDESTAL NUMBER				

WALL TERMINATION GF LVL
TOILET SUNK
RCC SLAB
GRADE SLAB

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40, B) RC WALL = M40, C) UG TANK WALL = M30
   D) RETAINING WALL = M30, E) BEAM = M30, F) SLAB = M30
   G) OTHER ELEMENTS = M30
5. GRADE OF PCC SHALL BE M10.
6. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
7. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS
   SLAB = 30MM BEAMS = 40MM.
8. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIAMETER FOR M30 GRADE OF CONCRETE.
9. DIAMETER OF SMALLER BARS SHALL BE CONSIDERED FOR PROVIDED LAP LENGTH AT LOCATION WHERE TWO BARS OF UNEQUAL DIAMETER ARE TO LAPPED.
10. REINFORCEMENT BARS, IF REQUIRED SHALL MARGINALLY BE SHIFTED OR BENT TO CLEAR OPENINGS, EMBEDMENT ETC. BUT IN NO CASE SHALL BE CUT WITHOUT PRIOR APPROVAL OF ENGINEER.
11. THE FINISHED FLOOR LEVEL OF BUILDING SHALL BE AS PER RESPECTIVE ARCHITECTURAL DRAWING.
12. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING AND MEP SERVICES DRAWINGS.

IMPORTANT NOTES:–

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

CONSTRUCTION REFERENCE DRAWING:

-----NIL---

	SIGN.													
	INITIALS													
	REVISIONS													
P0	SIGN.													15–07–2024
	INITIALS	(SL)	(LSB)	(JM)								(PPR)	(RLD)	
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

TIDEL PARK MADURAI

GROUND FLOOR LAYOUT AND DETAILS

FOR TENDER PURPOSE
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SCALE	: AS INDICATED	DWG NO.	TCE.13417A-CV-3000-RC-30032	ISSUE
DC & DISC:	MUM-CV			P0

FILE NAME : TCE.13417A-CV-3000-RC-30032

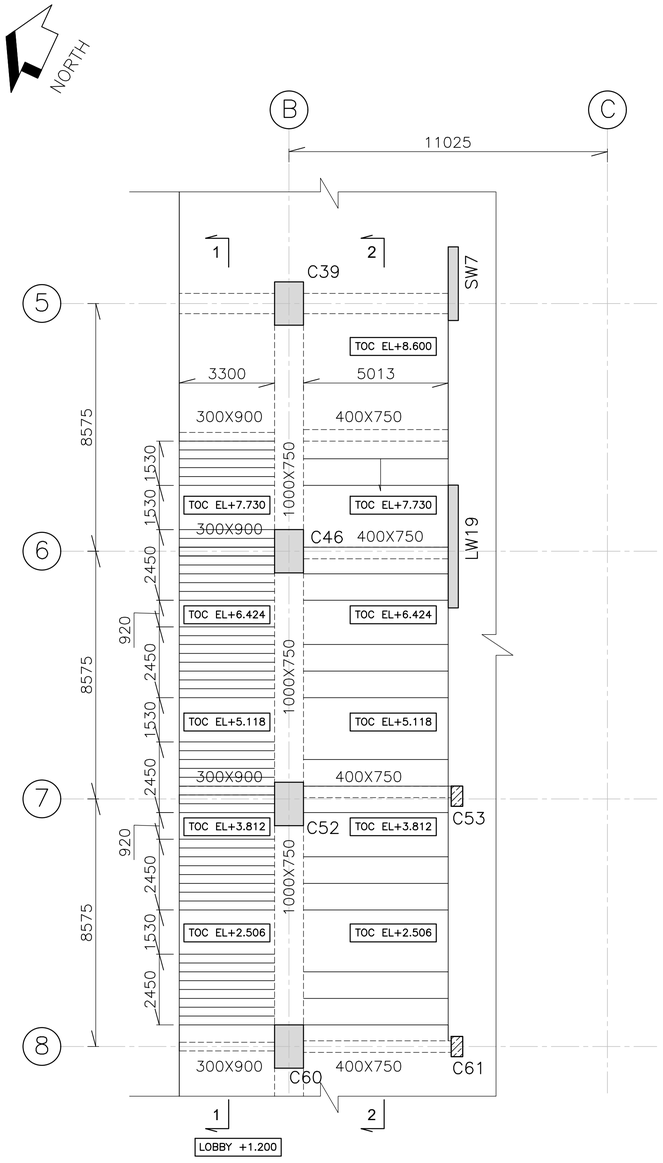
SIZE–A1

FILE NAME: F–091–Rev–R1.dwg

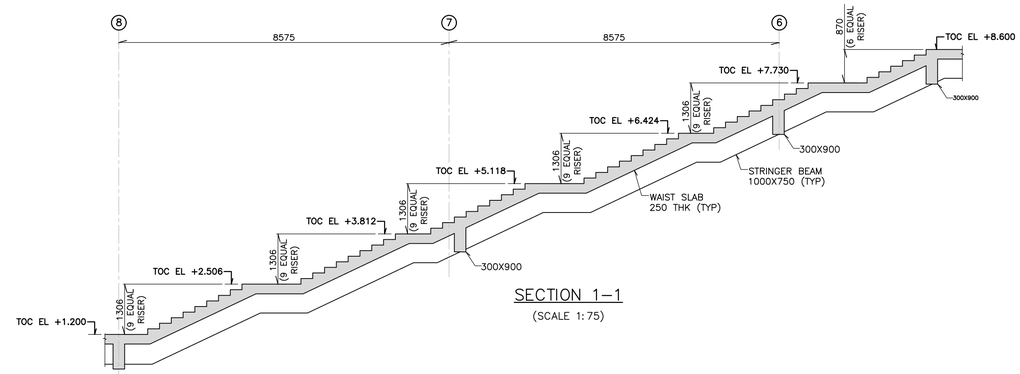
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
LAYOUT AND DETAILS OF ENTRANCE STAIRCASE -01 (SH 1 OF 2)

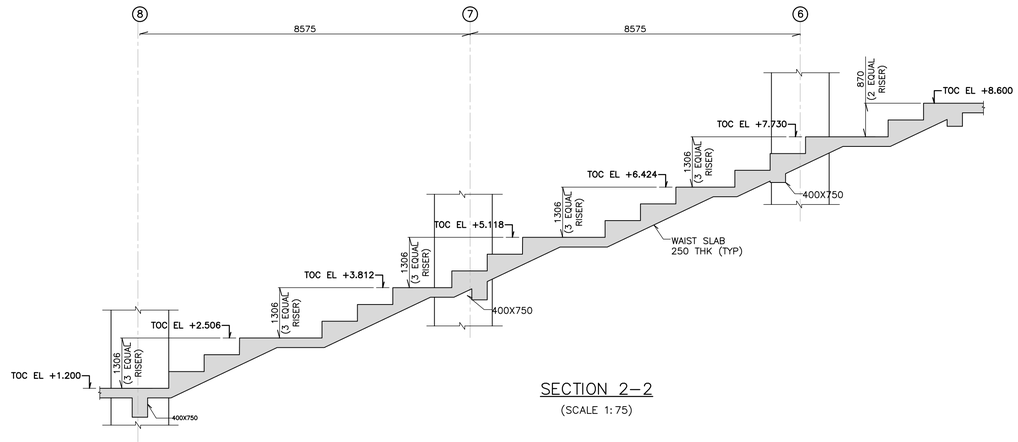
DWG NO TCE.13417A-CV-3000-RC-30042



PLAN OF ENTRANCE STAIRCASE–01
(SCALE 1:100)



SECTION 1–1
(SCALE 1:75)



SECTION 2–2
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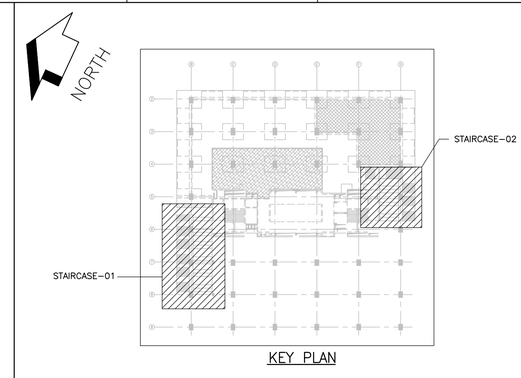

KEY PLAN

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
			RW/COLUMN TERMINATION

NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE
11. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS / OPENINGS INDICATED IN THE DWG ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONTRACTION.

IMPORTANT NOTES: –

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.													
	INITIALS													
	REVISIONS													
P0	SIGN.													23–05–2024
	INITIALS	MGP	LSB	JM								PPR	RLD	
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									

CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

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TITLE:
TIDEL PARK MADURAI
LAYOUT AND DETAILS OF ENTRANCE
STAIRCASE -01 (SH 1 OF 2)

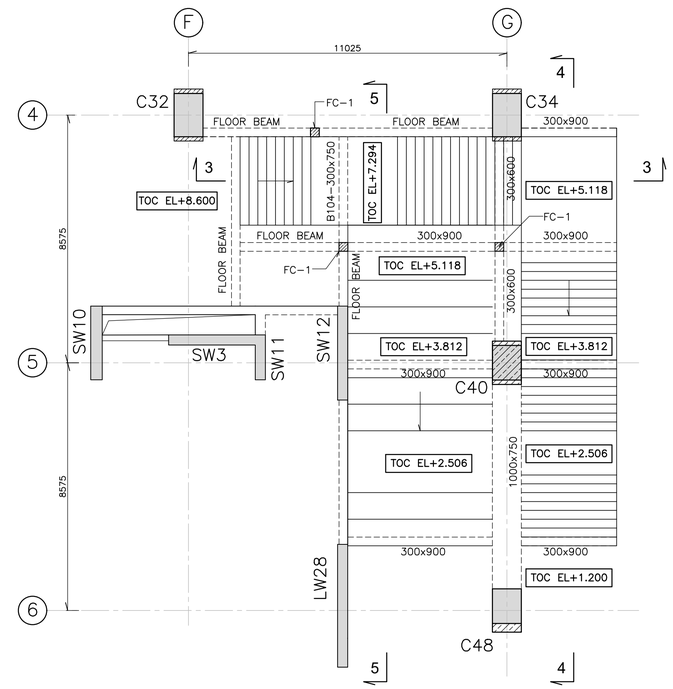
SCALE : AS INDICATED	DWG NO. TCE.13417A-CV-3000-RC-30042		ISSUE P0
DC & DISC : MUM-CV	FILE NAME : TCE.13417A-CV-3000-RC-30042		SIZE–A1

FILE NAME: F–091–Rev–R1.dwg

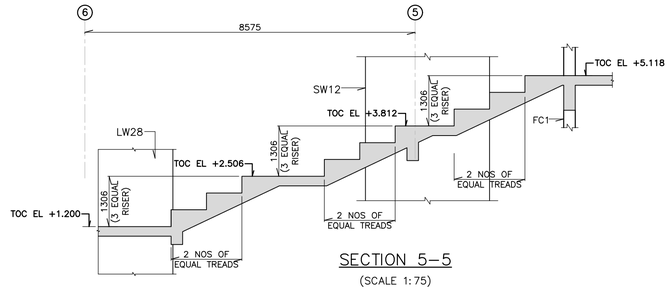
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
LAYOUT AND DETAILS OF ENTRANCE STAIRCASE-02
(SH 2 OF 2)

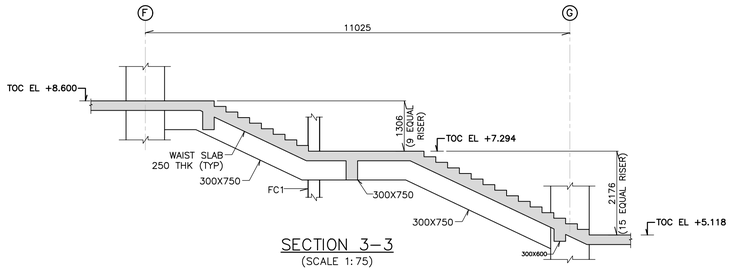
DWG NO: TCE.13417A-CV-3000-RC-30044



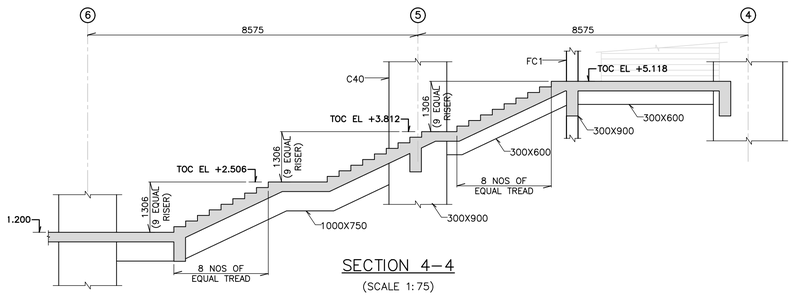
PLAN OF ENTRANCE STAIRCASE-02
(SCALE 1:100)



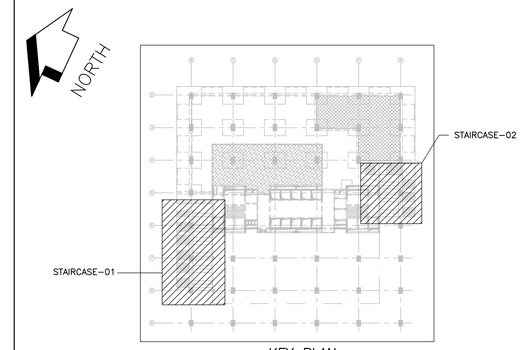
SECTION 5-5
(SCALE 1:75)



SECTION 3-3
(SCALE 1:75)



SECTION 4-4
(SCALE 1:75)



KEY PLAN

LEGEND:-

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
			RW/COLUMN TERMINATION

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS-1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE
11. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS / OPENINGS INDICATED IN THE DWG ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONTRACTION.

IMPORTANT NOTES:-

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.														
	INITIALS														
	REVISIONS														
P0	SIGN.														
	INITIALS	MGP	LSB	JM								PPR	RLD		23-05-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE	
					CLEARED										

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
LAYOUT AND DETAILS OF ENTRANCE STAIRCASE-02
(SH 2 OF 2)

SCALE : AS INDICATED
DC & DISC : MUM-CV
DWG NO. TCE.13417A-CV-3000-RC-30044
ISSUE P0
SIZE-A1

FOR TENDER PURPOSE
DO NOT SCALE

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INFORMATION CONTAINED WITHIN "HOLD" IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR "HOLDS" IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO "HOLDS".

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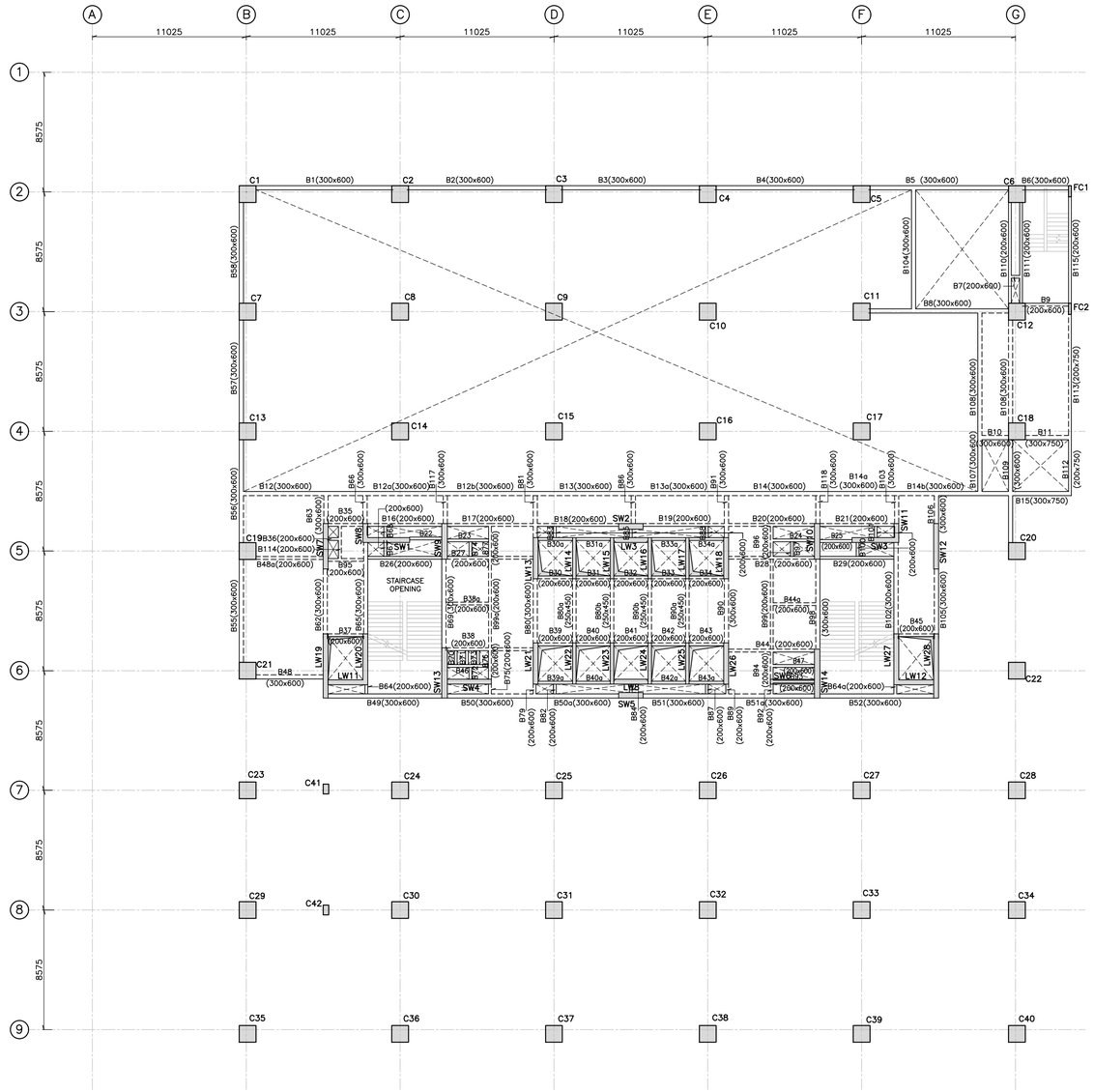
FILE NAME : TCE.13417A-CV-3000-RC-30044

FILE NAME: F-091-Rev-R1.dwg

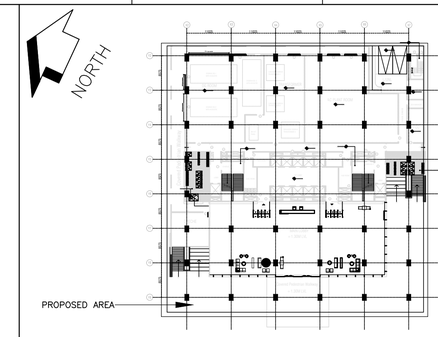
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
MEZZANINE FLOOR LAYOUT AND DETAILS

DWG NO TCE.13417A-CV-3000-RC-30046



SERVICE MEZZANINE FLOOR LAYOUT AT 6.0M
(ALL SLAB THICKNESS 150 THK(UN))
(SCALE 1:200)



KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION	Bxx	BEAM NUMBER
MIN	MINIMUM	NTS	NOT TO SCALE	MB	MID LANDING BEAM
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE	OPNG	OPENING
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE	FCx	FLOATING COLUMN NUMBER
L	LENGTH	THK	THICK		
B	BREADTH	UNO	UNLESS NOTED OTHERWISE		
D	DEPTH	C/C	CENTRE TO CENTRE		
Cxx	COLUMN NUMBER	℄	CENTER LINE		
Px	PEDESTAL NUMBER				

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   BEAM = M30, SLAB = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS
   SLAB = 30MM BEAMS = 40MM.
7. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIAMETER FOR M30 GRADE OF CONCRETE.
8. DIAMETER OF SMALLER BARS SHALL BE CONSIDERED FOR PROVIDED LAP LENGTH AT LOCATION WHERE TWO BARS OF UNEQUAL DIAMETER ARE TO LAPPED.
9. REINFORCEMENT BARS, IF REQUIRED SHALL MARGINALLY BE SHIFTED OR BENT TO CLEAR OPENINGS, EMBEDMENT ETC. BUT IN NO CASE SHALL BE CUT WITHOUT PRIOR APPROVAL OF ENGINEER.
10. THE FINISHED FLOOR LEVEL OF BUILDING SHALL BE AS PER RESPECTIVE ARCHITECTURAL DRAWING.
11. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING AND MEP SERVICES DRAWINGS.

IMPORTANT NOTES:–

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.														
	INITIALS														
	REVISIONS														
P0	SIGN.														17–07–2024
	INITIALS	(SL)	(LSB)	(JM)								(PPR)	(RLD)		
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE	
					CLEARED										

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

FOR TENDER PURPOSE
DO NOT SCALE

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ARCHITECT & JV PARTNER : EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:

TIDEL PARK MADURAI

MEZZANINE FLOOR LAYOUT AND DETAILS

SCALE	DWG NO.	ISSUE
: AS INDICATED	TCE.13417A-CV-3000-RC-30046	P0
DC & DISC : MUM-CV		

FILE NAME : TCE.13417A-CV-3000-RC-30046

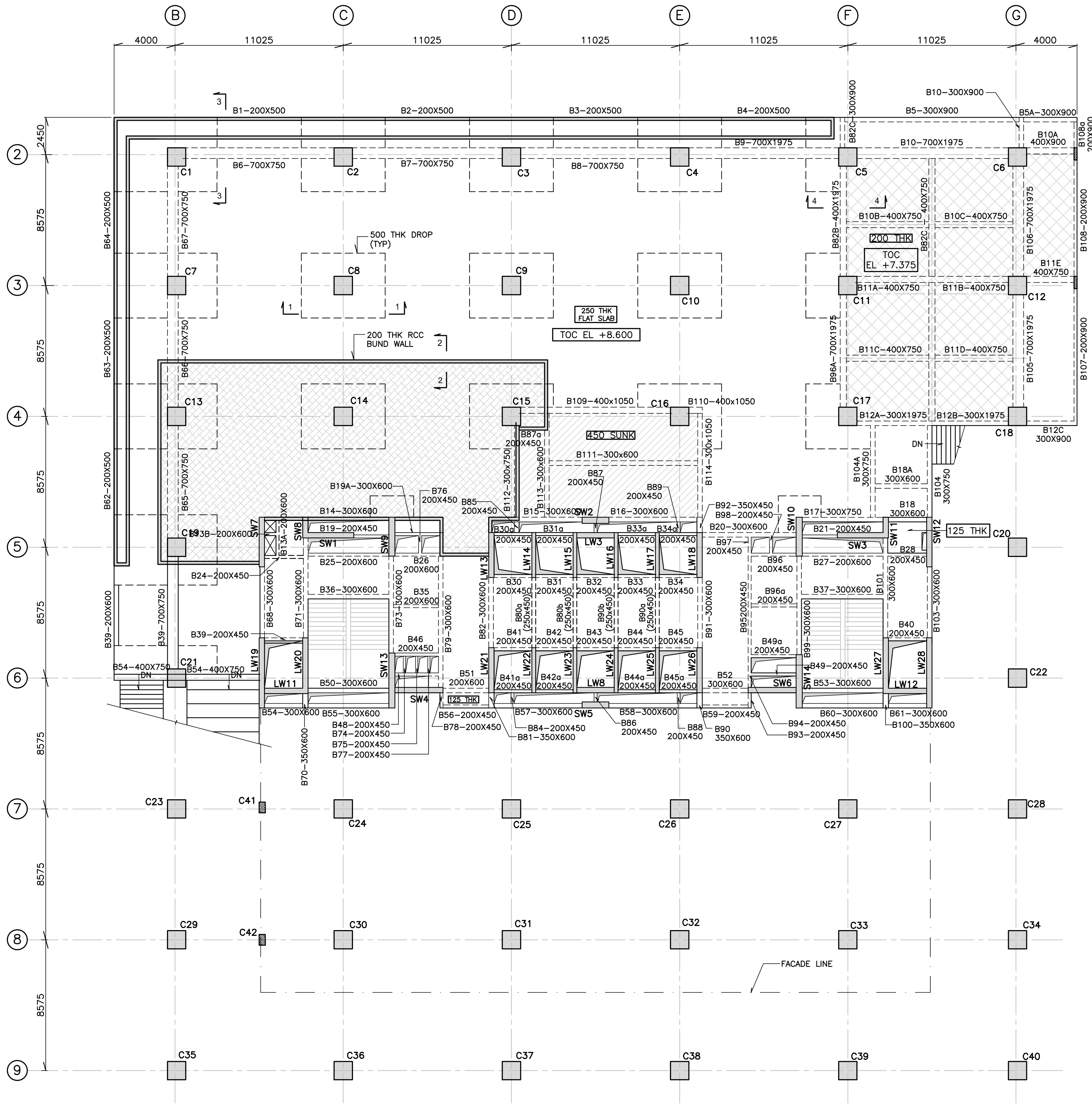
FILE NAME: F–091–Rev–R1.dwg

TCE FORM NO. 091 R1

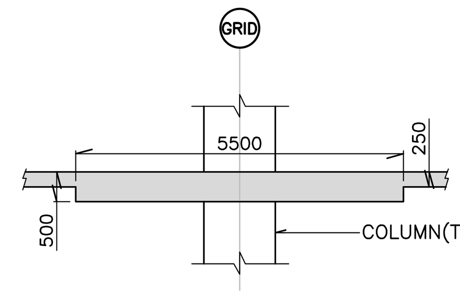
SIZE–A1

TCE.13417A-CV-3000-RC-30052
DWG NO

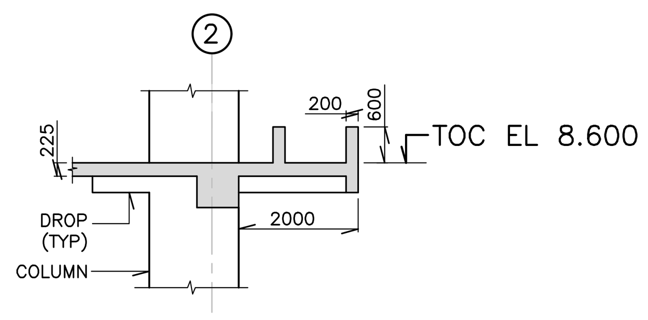
TITLE:
TIDEL PARK MADURAI
FIRST FLOOR LAYOUT AND DETAILS



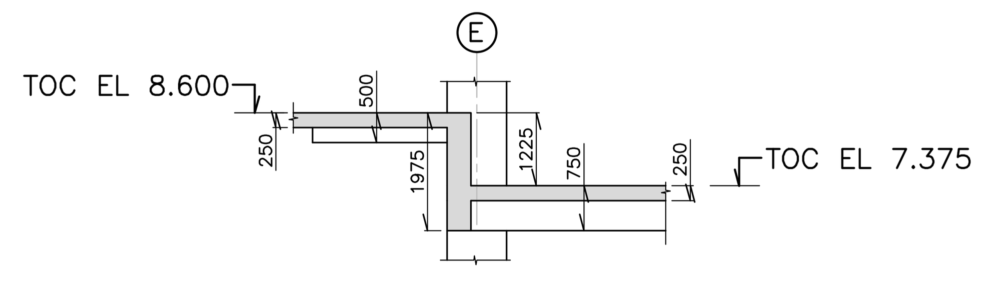
LAYOUT OF FIRST FLOOR
(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



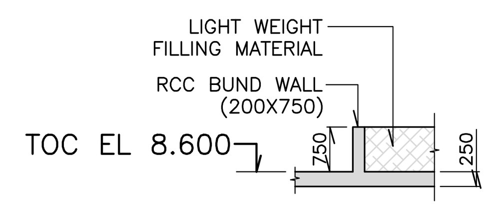
SECTION 1-1
(SCALE 1:100)



SECTION 3-3
(SCALE 1:100)



SECTION 4-4
(SCALE 1:100)



SECTION 2-2
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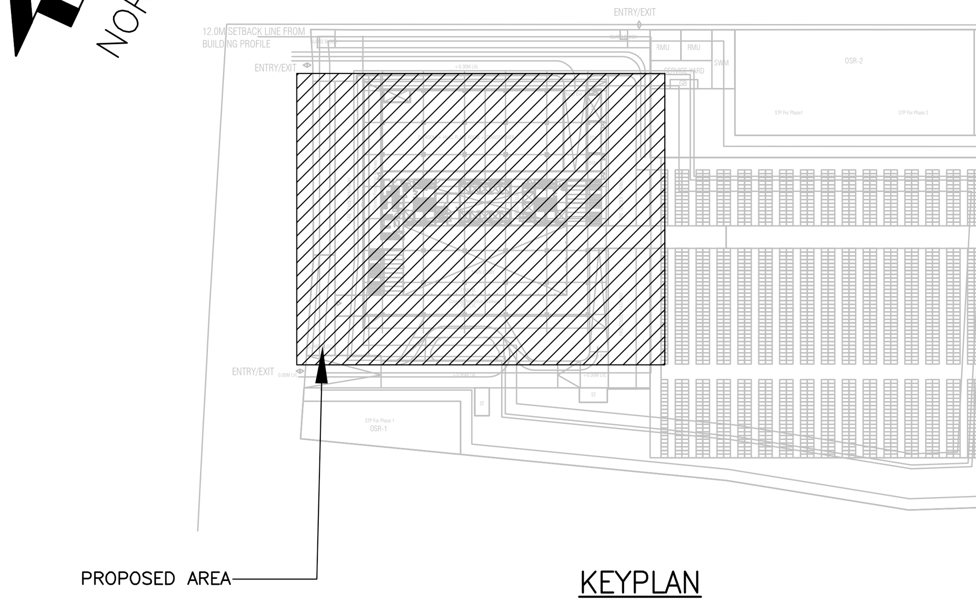

KEYPLAN
(NTS)

LEGEND:-

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
(solid bar)	RCC BUND FOR LANDSCAPE	(hatch)	RW/COLUMN TERMINATION
(hatch)	RAISE FILLING AREA	(hatch)	TOILET 450 SUNK

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
B) RC WALL = M40
C) BEAM = M30
D) SLAB = M30
A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS-1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE.
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.

IMPORTANT NOTES:-

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.														
	INITIALS														
	REVISIONS														
P0	SIGN. / INITIALS	MGP	LSB	JM								PPR	RLD	20-06-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									

FOR TENDER PURPOSE
DO NOT SCALE

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FILE NAME : TCE.13417A-CV-3000-RC-30052

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

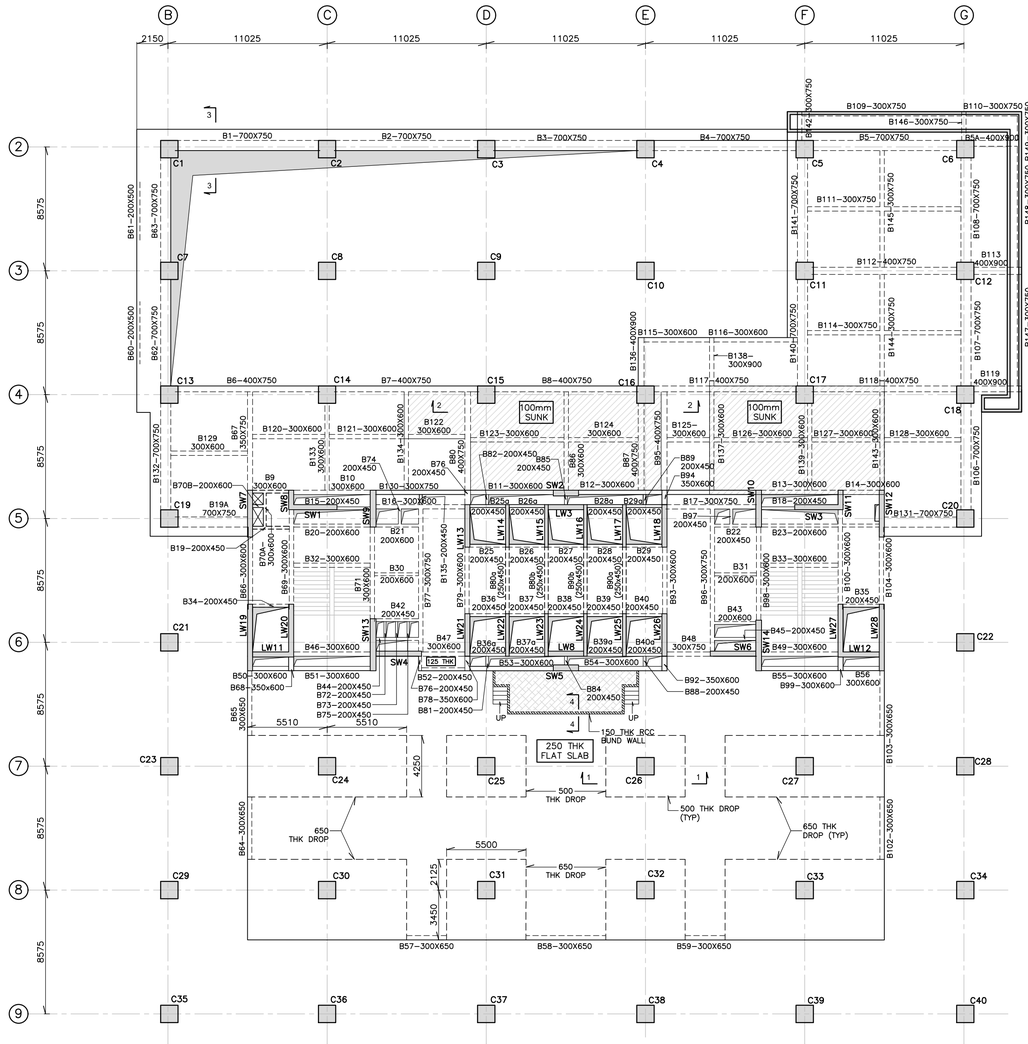
TITLE:
TIDEL PARK MADURAI
FIRST FLOOR LAYOUT AND DETAILS

SCALE : AS INDICATED
DC & DISC : MUM-CV
DWG NO. TCE.13417A-CV-3000-RC-30052
ISSUE P0
SIZE-A1

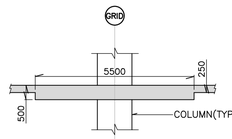
FILE NAME: F-091-Rev-R1.dwg
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
SECOND FLOOR LAYOUT AND DETAILS

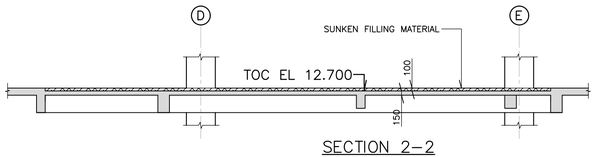
DWG NO TCE.13417A-CV-3000-RC-30058



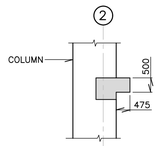
LAYOUT OF SECOND FLOOR
(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



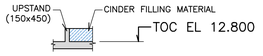
SECTION 1–1
(SCALE 1:100)



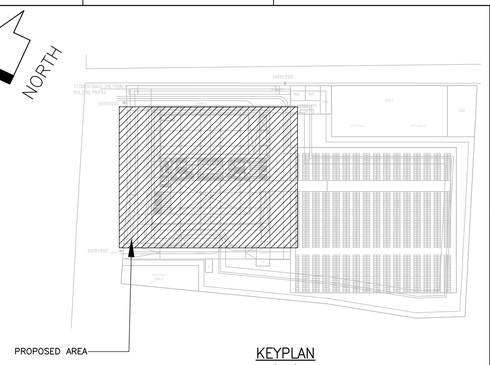
SECTION 2–2
(SCALE 1:100)



SECTION 3–3
(SCALE 1:100)



SECTION 4–4
(SCALE 1:100)



KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION
	TOILET 100 SUNK		

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE.
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.

IMPORTANT NOTES:–

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.														
	INITIALS														
	REVISIONS														
P0	SIGN.														20–06–2024
	INITIALS	MGP		LSB		JM							PPR	RLD	
ISSUE		DRN		DSN		CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
							CLEARED									

CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
SECOND FLOOR LAYOUT AND DETAILS

SCALE : AS INDICATED
DC & DISC : MUM-CV
DWG NO. TCE.13417A-CV-3000-RC-30058
ISSUE P0
SIZE–A1

FOR TENDER PURPOSE
DO NOT SCALE

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All information given under this version over rides all and any kind of offers, assumptions, deliverables and contracts submitted verbally (and subsequently communicated in writing) or in writing or otherwise given under any and all previous version/s.

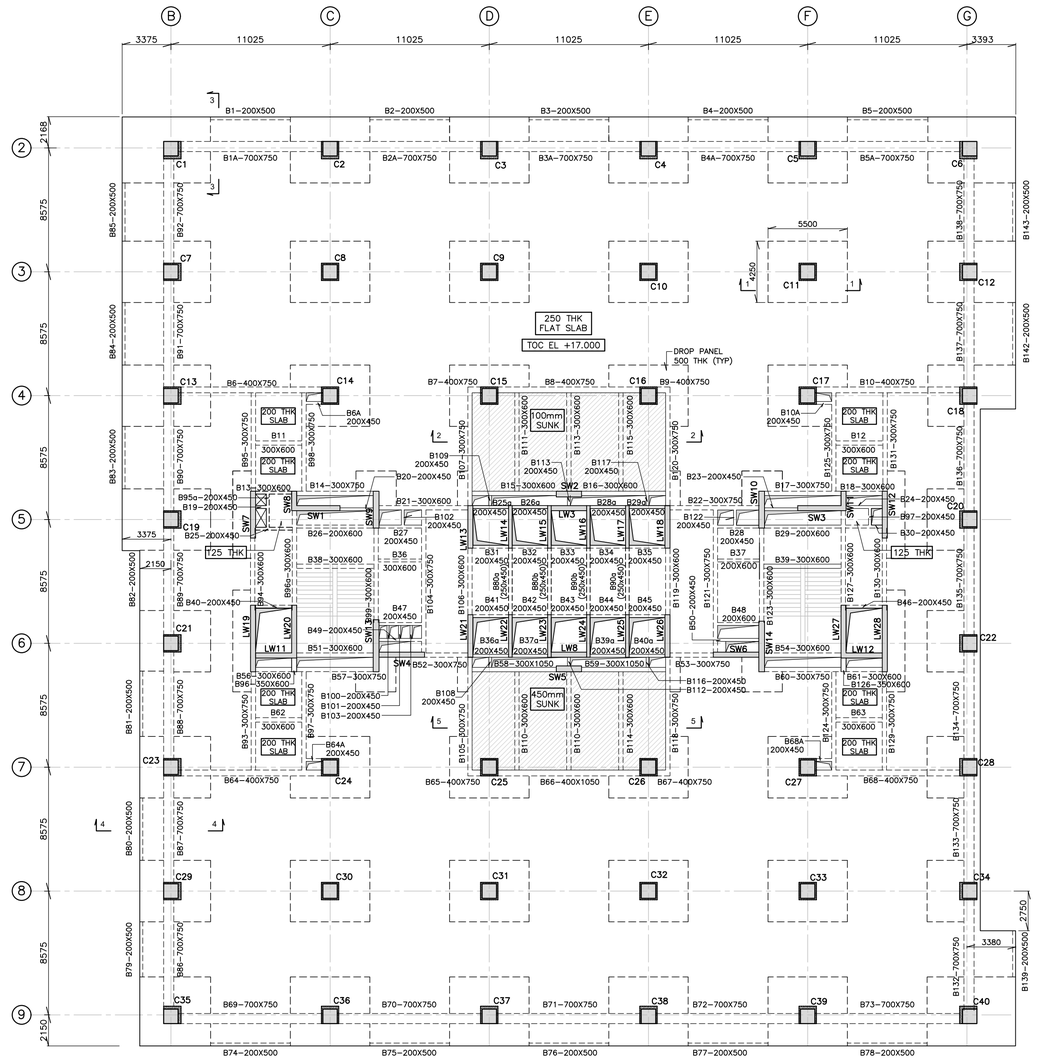
FILE NAME : TCE.13417A-CV-3000-RC-30058

FILE NAME: F-091-Rev-R1.dwg

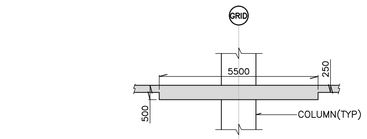
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
THIRD FLOOR LAYOUT AND DETAILS

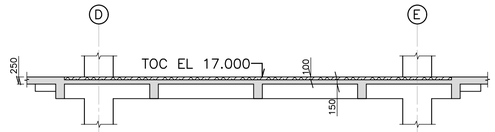
DWG NO TCE.13417A-CV-3000-RC-30064



LAYOUT OF THIRD FLOOR
(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



SECTION 1–1
(SCALE 1:100)



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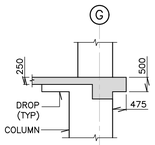
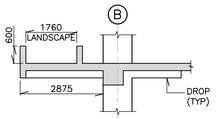
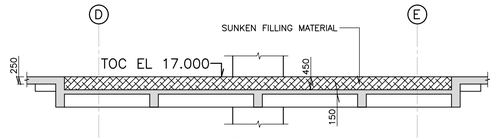
(SCALE 1:100)



SECTION 3–3
(SCALE 1:100)



SECTION 4–4
(SCALE 1:100)



SECTION 5–5
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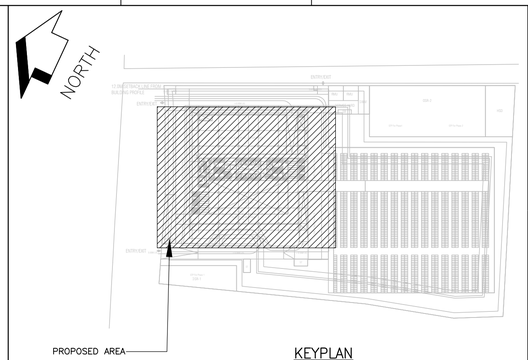

KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION

NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE.
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.

IMPORTANT NOTES: –

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.															
	INITIALS															
	REVISIONS															
P0	SIGN.															23–05–2024
	INITIALS	MGP	LSB	JM									PPR	RLD		
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL		PE/PM	APPD	DATE	
					CLEARED											

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

FOR TENDER PURPOSE
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ARCHITECT & JV PARTNER : EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:

TIDEL PARK MADURAI

THIRD FLOOR LAYOUT AND DETAILS

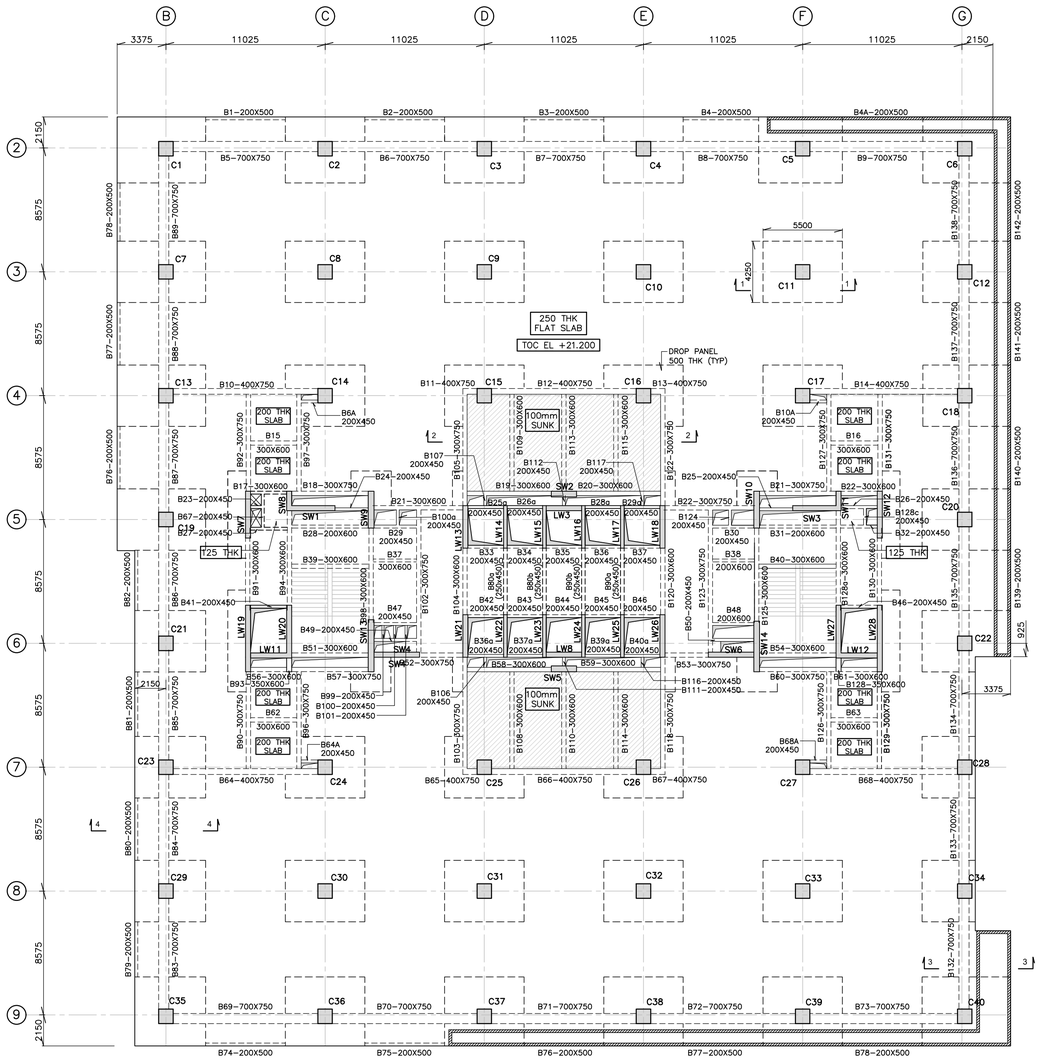
SCALE : AS INDICATED	DWG NO. TCE.13417A-CV-3000-RC-30064	ISSUE P0
DC & DISC: MUM-CV	FILE NAME : TCE.13417A-CV-3000-RC-30064	SIZE–A1

FILE NAME: F–091–Rev–R1.dwg

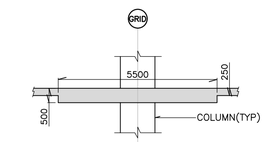
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
FOURTH FLOOR LAYOUT AND DETAILS

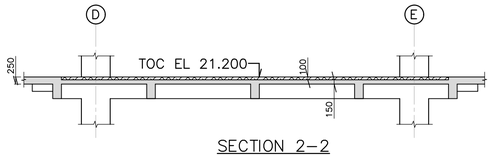
DWG NO TCE.13417A-CV-3000-RC-30070



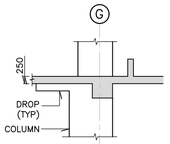
LAYOUT OF FOURTH FLOOR
(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



SECTION 1–1
(SCALE 1:100)



SECTION 2–2
(SCALE 1:100)



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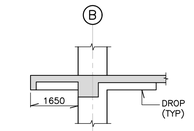

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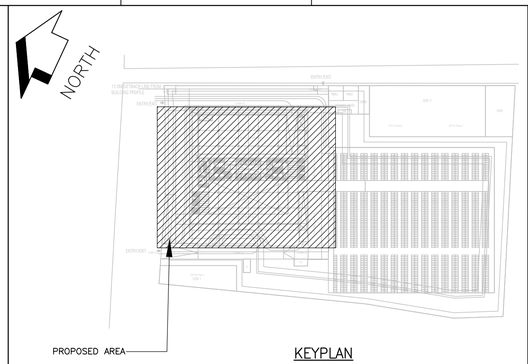

KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION

NOTES: –

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   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE.
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.

IMPORTANT NOTES: –

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	INITIALS														
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P0	SIGN.														
	INITIALS	MGP	LSB	JM								PPR	RLD	23–05–2024	
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE	
					CLEARED										

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

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FILE NAME : TCE.13417A-CV-3000-RC-30070

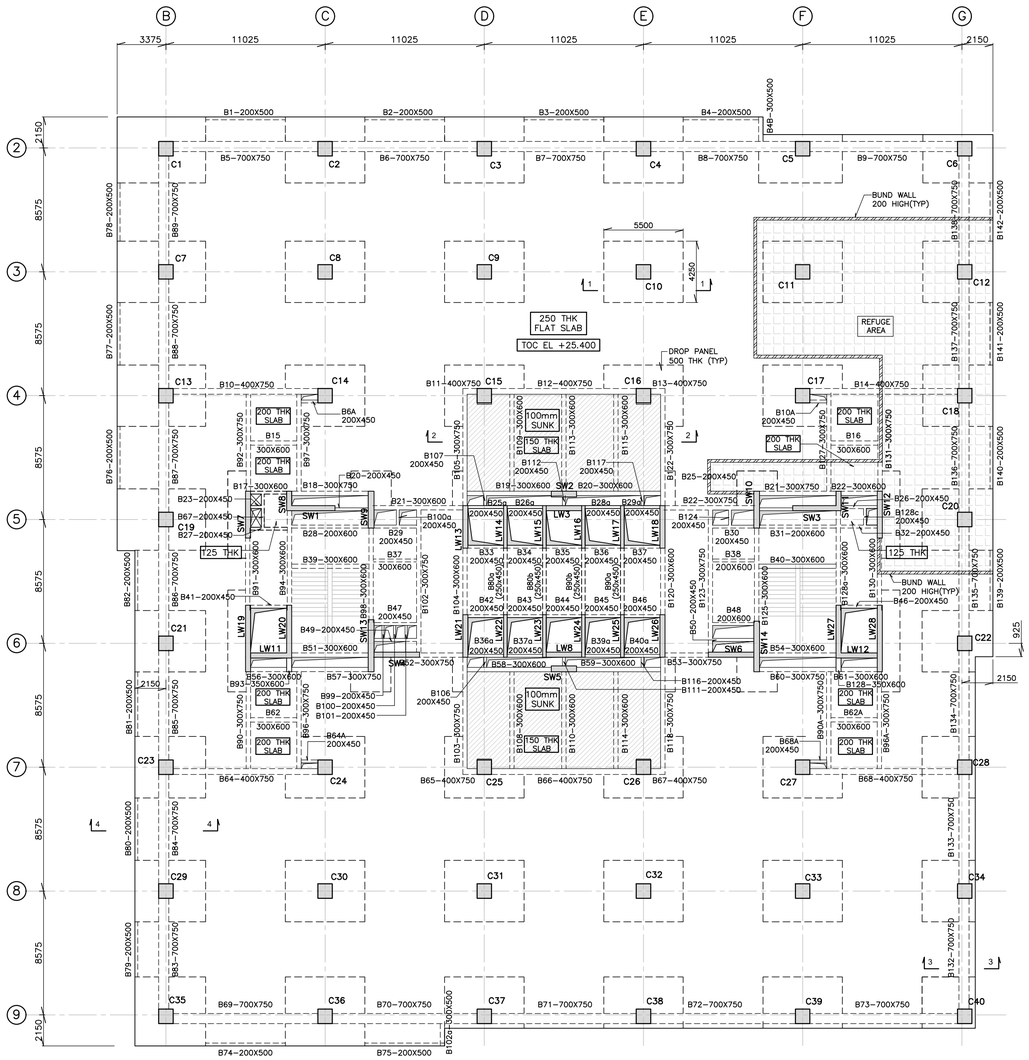
SCALE : AS INDICATED	DWG NO. TCE.13417A-CV-3000-RC-30070	ISSUE P0	SIZE–A1
DC & DISC : MUM-CV			

FILE NAME: F–091–Rev–R1.dwg

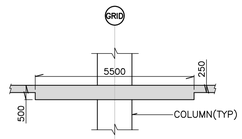
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
FIFTH FLOOR LAYOUT AND DETAILS

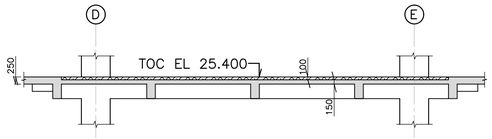
DWG NO TCE.13417A-CV-3000-RC-30076



LAYOUT OF FIFTH FLOOR
(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



SECTION 1–1
(SCALE 1:100)



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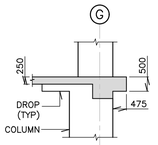

SECTION 3–3
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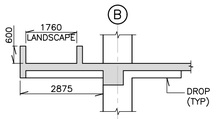
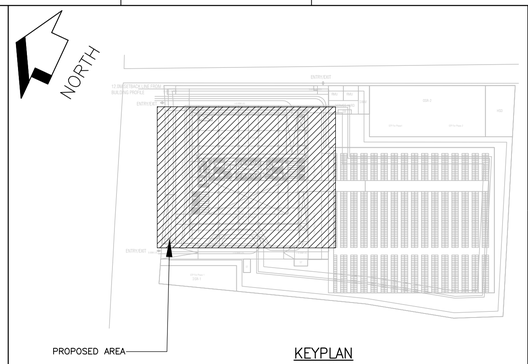


SECTION 4–4
(SCALE 1:100)



KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION
	RCC BUND FOR REFUGE AREA		REFUGE AREA

NOTES: –

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2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE.
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.
11. WATER PROOFING FOR TERRACE SHALL BE AS PER TENDER SPECIFICATION.

IMPORTANT NOTES: –

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.														
	INITIALS														
	REVISIONS														
P0	SIGN.														
	INITIALS	MGP	LSB	JM									PPR	RLD	23–05–2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL		PE/PM	APPD	DATE
					CLEARED										

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

TIDEL PARK MADURAI

FIFTH FLOOR LAYOUT AND DETAILS

FOR TENDER PURPOSE

DO NOT SCALE

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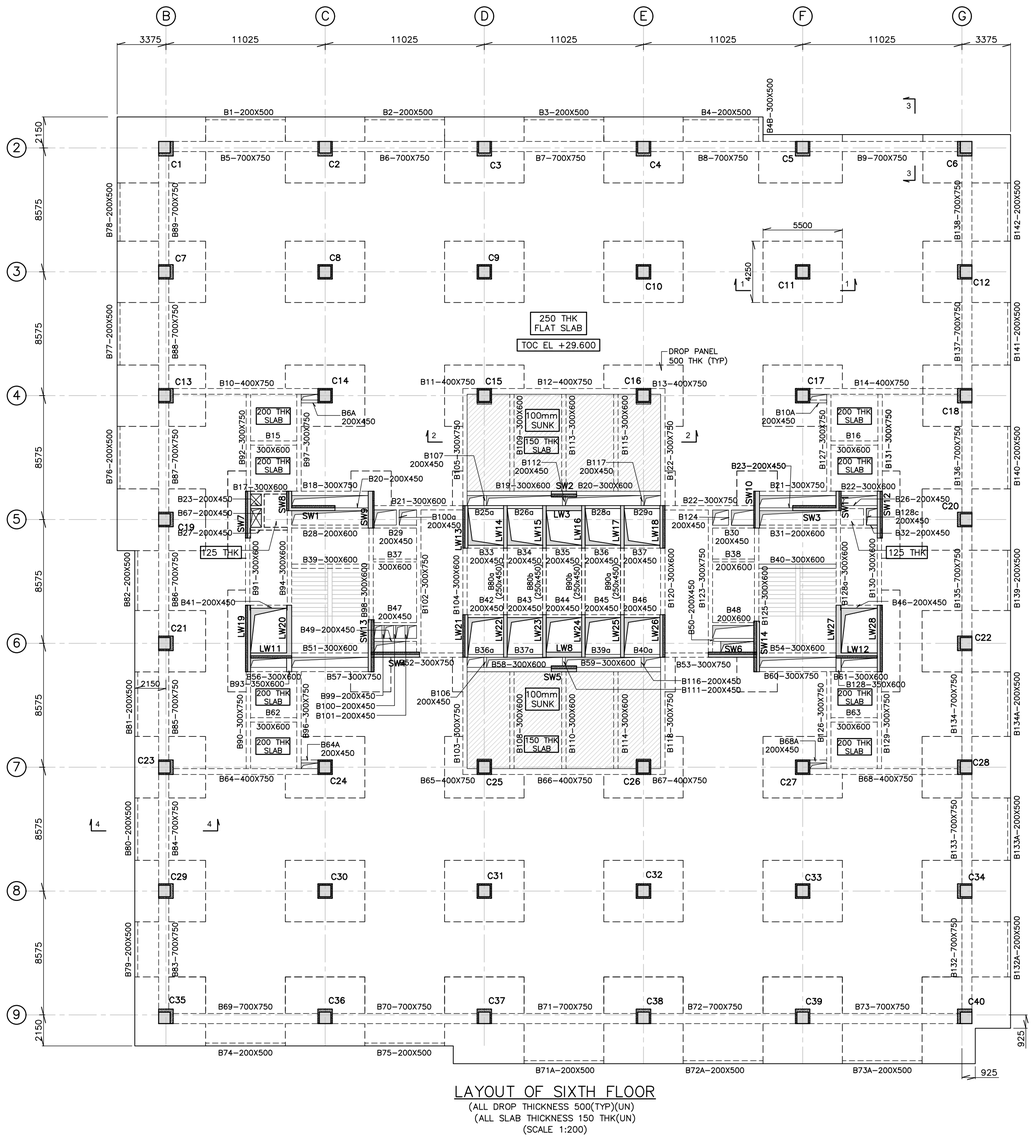
FILE NAME : TCE.13417A-CV-3000-RC-30076	SCALE : AS INDICATED	DWG NO. TCE.13417A-CV-3000-RC-30076	ISSUE P0
	DC & DISC : MUM-CV		SIZE–A1

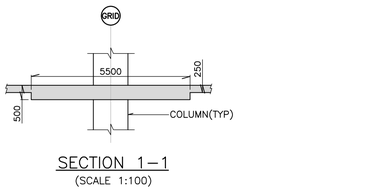
FILE NAME: F–091–Rev–R1.dwg

TCE FORM NO. 091 R1

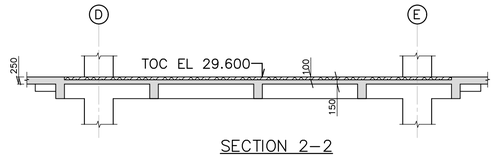
TITLE: TIDEL PARK MADURAI
SIXTH FLOOR LAYOUT AND DETAILS

DWG NO TCE.13417A-CV-3000-RC-30082





SECTION 1–1
(SCALE 1:100)



SECTION 2–2
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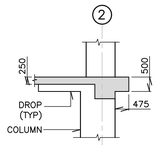
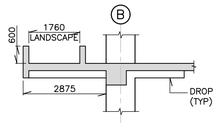
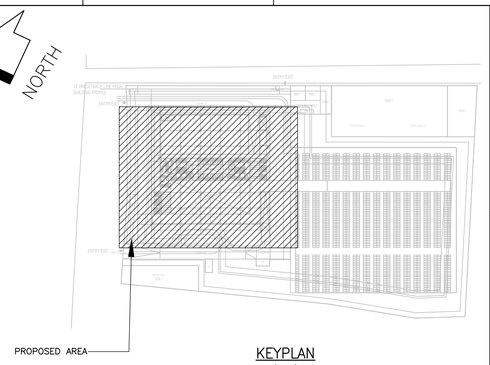


SECTION 3–3
(SCALE 1:100)



SECTION 4–4
(SCALE 1:100)



KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION

NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.

IMPORTANT NOTES: –

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.													
	INITIALS													
	REVISIONS													
P0	SIGN.													
	INITIALS	MGP	LSB	JM								PPR	RLD	23–05–2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

TIDEL PARK MADURAI

SIXTH FLOOR LAYOUT AND DETAILS

SCALE : AS INDICATED | DC & DISC : MUM-CV | DWG NO. TCE.13417A-CV-3000-RC-30082 | ISSUE P0

FILE NAME : TCE.13417A-CV-3000-RC-30082

FOR TENDER PURPOSE

DO NOT SCALE

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All information given under this version over rides all and any kind of offers, assumptions, deliverables and contracts submitted verbally (and subsequently communicated in writing) or in writing or otherwise given under any and all previous version/s.

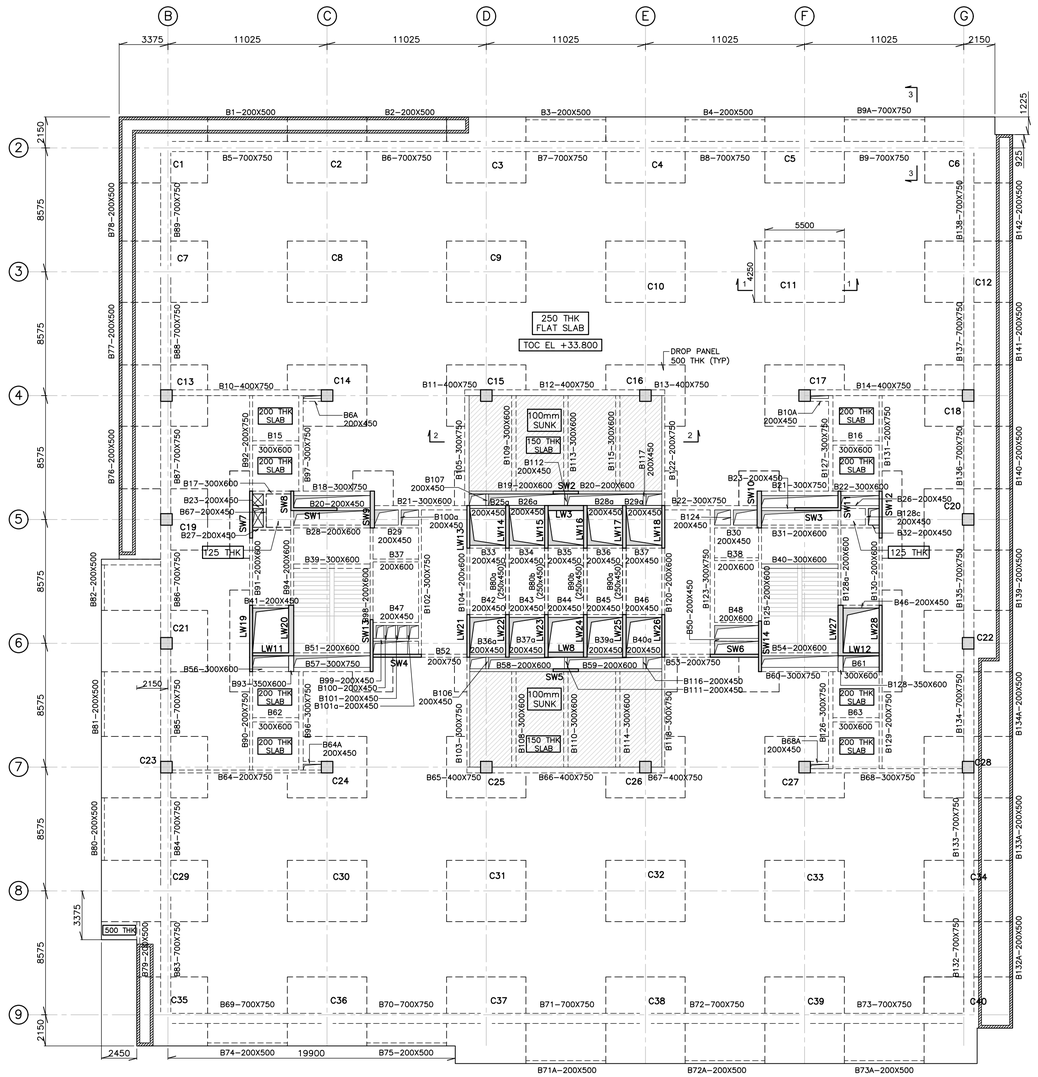
FILE NAME: F–091–Rev–R1.dwg

TCE FORM NO. 091 R1

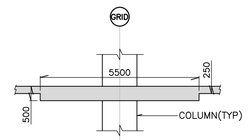
SIZE–A1

TITLE: TIDEL PARK MADURAI
SEVENTH FLOOR LAYOUT AND DETAILS

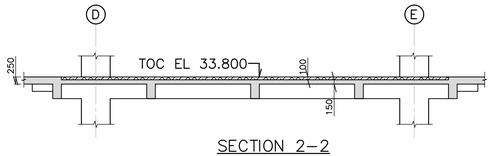
DWG NO: TCE.13417A-CV-3000-RC-30088



LAYOUT OF SEVENTH FLOOR
(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



SECTION 1–1
(SCALE 1:100)



SECTION 2–2
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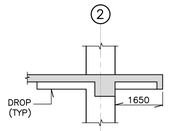
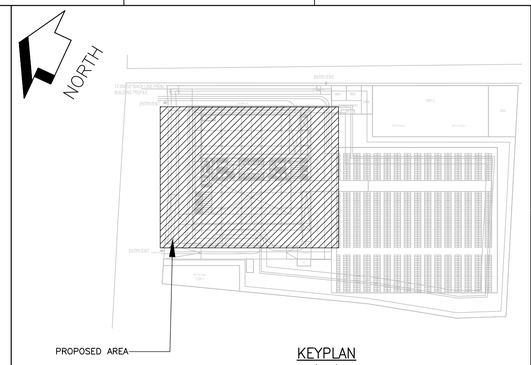


SECTION 3–3
(SCALE 1:100)



KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION

NOTES: –

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2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
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4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE.
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.

IMPORTANT NOTES: –

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
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	SIGN.																		
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	REVISIONS																		
P0	SIGN.																		
	INITIALS	MGP		LSB		JM										PPR		RLD	23–05–2024
ISSUE		DRN		DSN		CHD	CV	EL	IC	EV	HVAC	FF	PL	CLEARED		PE/PM		APPD	DATE

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:

TIDEL PARK MADURAI

SEVENTH FLOOR LAYOUT AND DETAILS

FOR TENDER PURPOSE
DO NOT SCALE

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SCALE : AS INDICATED	DWG NO. TCE.13417A-CV-3000-RC-30088	ISSUE P0	SIZE–A1
DC & DISC: MUM-CV			

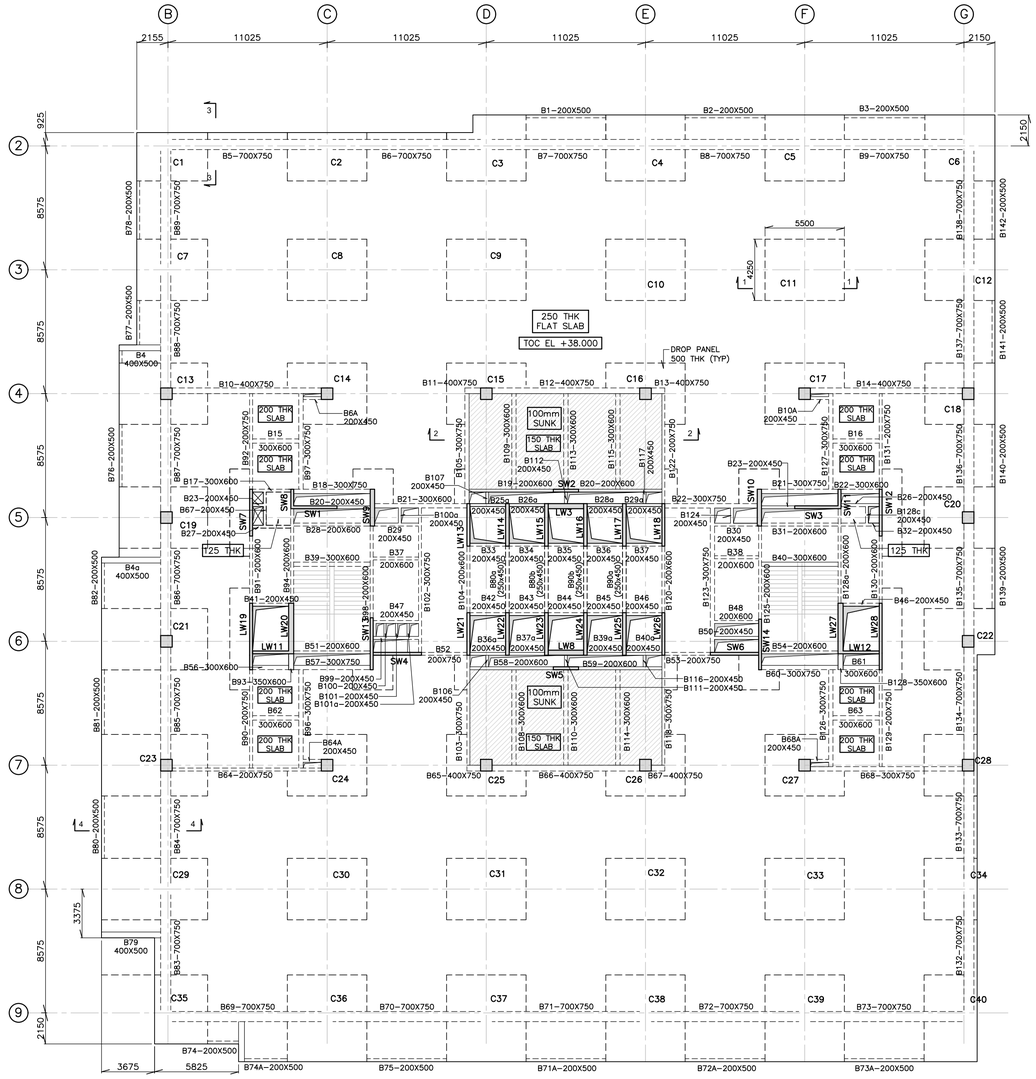
FILE NAME : TCE.13417A-CV-3000-RC-30088

FILE NAME: F–091–Rev–R1.dwg

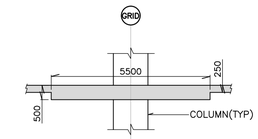
TCE FORM NO. 091 R1

TITLE: EIGHTH FLOOR LAYOUT AND DETAILS
TIDEL PARK MADURAI

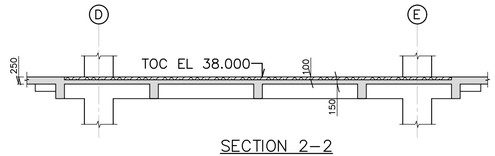
DWG NO TCE.13417A-CV-3000-RC-30094



LAYOUT OF EIGHTH FLOOR
(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



SECTION 1–1
(SCALE 1:100)



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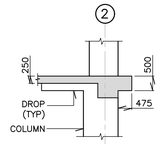

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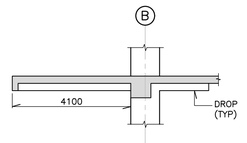

SECTION 4–4
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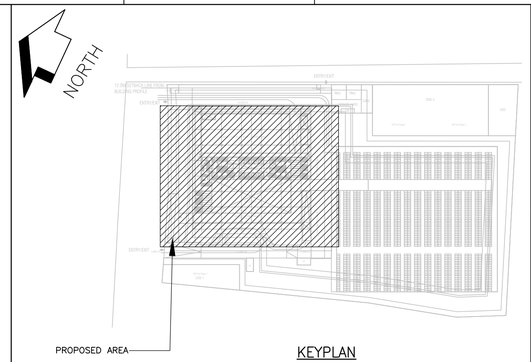

KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION

NOTES: –

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2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE.
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.

IMPORTANT NOTES: –

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
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	REVISIONS																
P0	SIGN.																
	INITIALS	MGP		LSB		JM							PPR		RLD		23–05–2024
ISSUE		DRN		DSN		CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM		APPD	DATE
							CLEARED										

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

FOR TENDER PURPOSE
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FILE NAME : TCE.13417A-CV-3000-RC-30094

ARCHITECT & JV PARTNER : EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:

TIDEL PARK MADURAI

EIGHTH FLOOR LAYOUT AND DETAILS

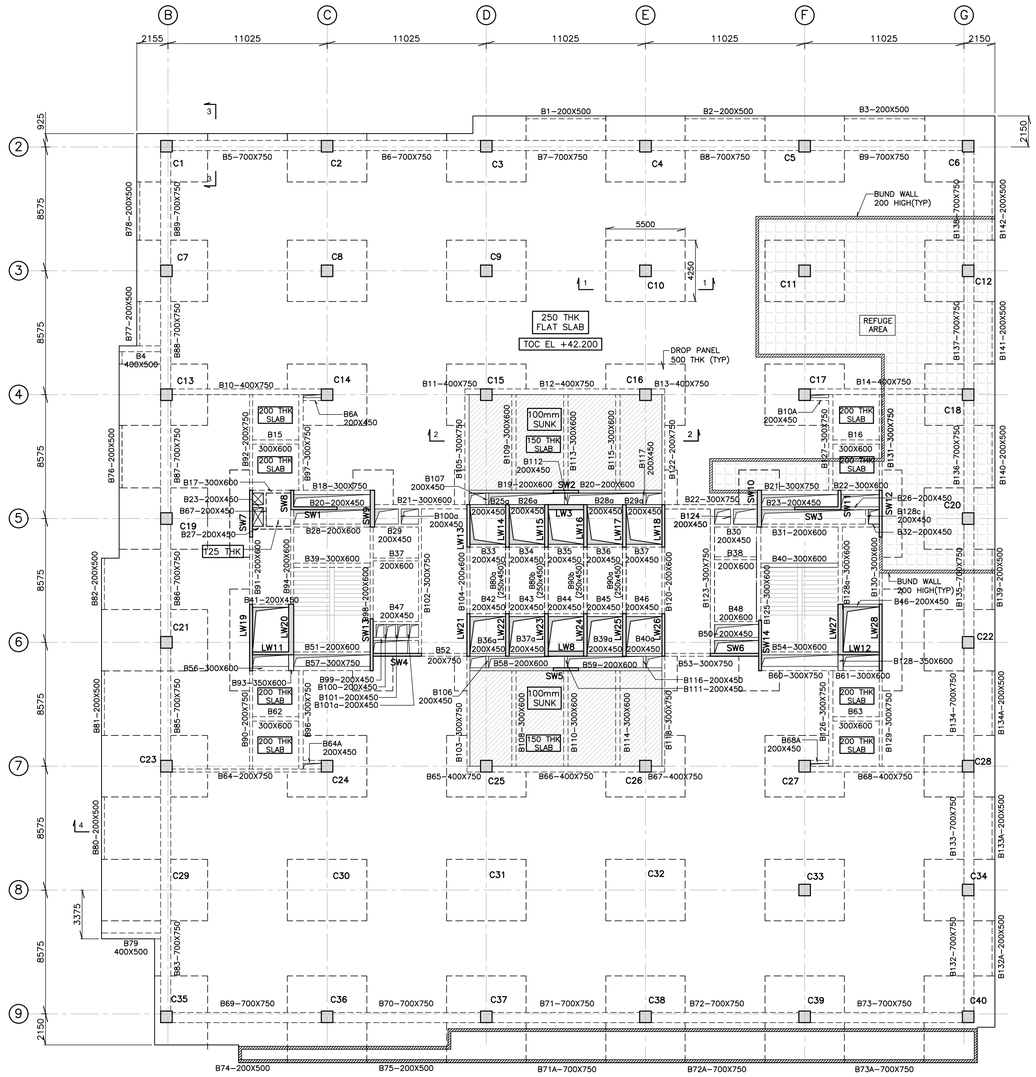
SCALE : AS INDICATED	DWG NO. TCE.13417A-CV-3000-RC-30094	ISSUE P0
DC & DISC : MUM-CV		SIZE–A1

FILE NAME: F–091–Rev–R1.dwg

TCE FORM NO. 091 R1

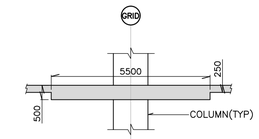
TITLE: TIDEL PARK MADURAI
NINTH FLOOR LAYOUT AND DETAILS

DWG NO: TCE.13417A-CV-3000-RC-30100



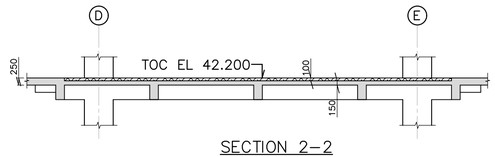
LAYOUT OF NINTH FLOOR

(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



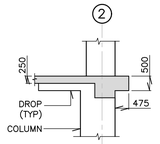
SECTION 1–1

(SCALE 1:100)



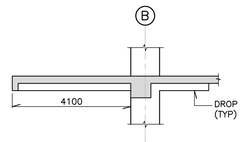
SECTION 2–2

(SCALE 1:100)



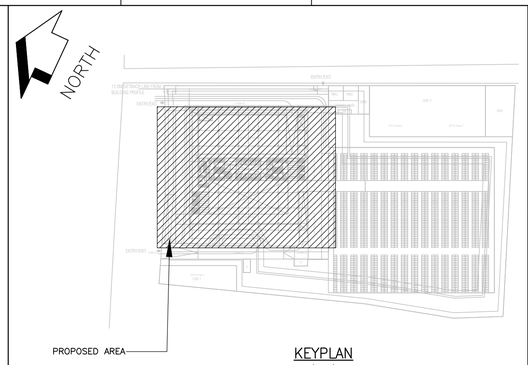
SECTION 3–3

(SCALE 1:100)



SECTION 4–4

(SCALE 1:100)



KEYPLAN

(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION
	RCC BUND FOR REFUGE AREA		REFUGE AREA

NOTES: –

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4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE
11. WATER PROOFING FOR TERRACE SHALL BE AS PER TENDER SPECIFICATION.

IMPORTANT NOTES: –

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.																		
	INITIALS																		
	REVISIONS																		
P0	SIGN.																		
	INITIALS	MGP		LSB		JM										PPR		RLD	23–05–2024
ISSUE		DRN		DSN		CHD	CV	EL	IC	EV	HVAC	FF	PL	CLEARED		PE/PM		APPD	DATE

CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
NINTH FLOOR LAYOUT AND DETAILS

SCALE : AS INDICATED
DC & DISC : MUM-CV
DWG NO. TCE.13417A-CV-3000-RC-30100
ISSUE P0
SIZE–A1

FOR TENDER PURPOSE
DO NOT SCALE

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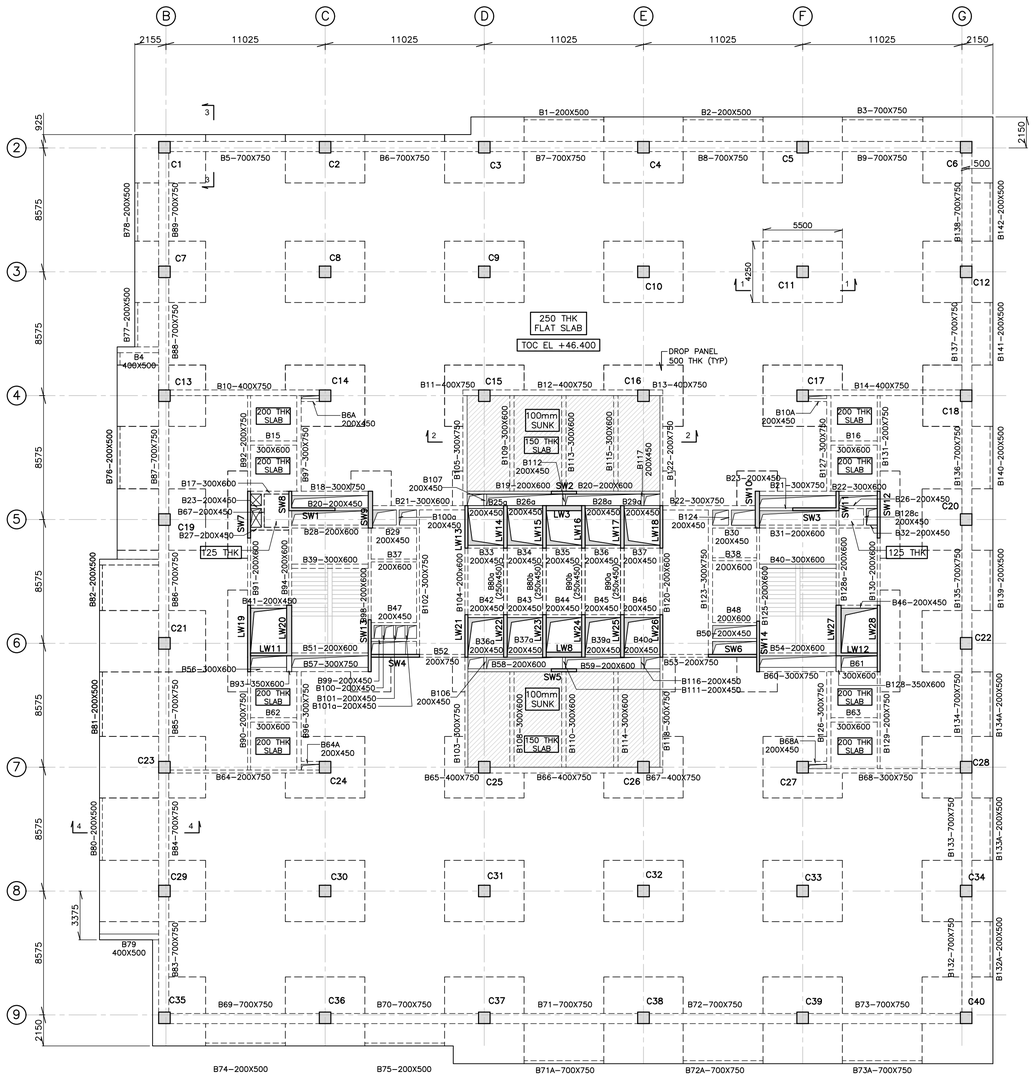
FILE NAME : TCE.13417A-CV-3000-RC-30100

FILE NAME: F-091-Rev-R1.dwg

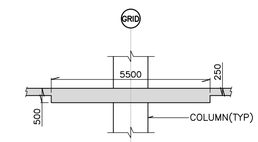
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
TENTH FLOOR LAYOUT AND DETAILS

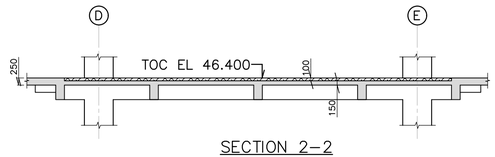
DWG NO TCE.13417A-CV-3000-RC-30106



LAYOUT OF TENTH FLOOR
(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



SECTION 1–1
(SCALE 1:100)



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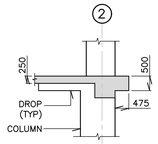

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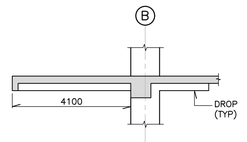

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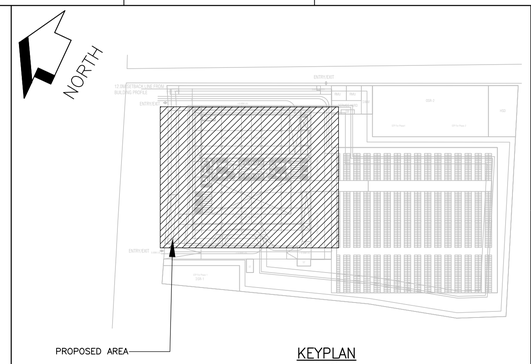
(SCALE 1:100)



KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION

NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE.
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.

IMPORTANT NOTES: –

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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE	
					CLEARED										

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

TIDEL PARK MADURAI

TENTH FLOOR LAYOUT AND DETAILS

SCALE : AS INDICATED
DC & DISC : MUM-CV
DWG NO. TCE.13417A-CV-3000-RC-30106
ISSUE P0
SIZE–A1

FOR TENDER PURPOSE
DO NOT SCALE

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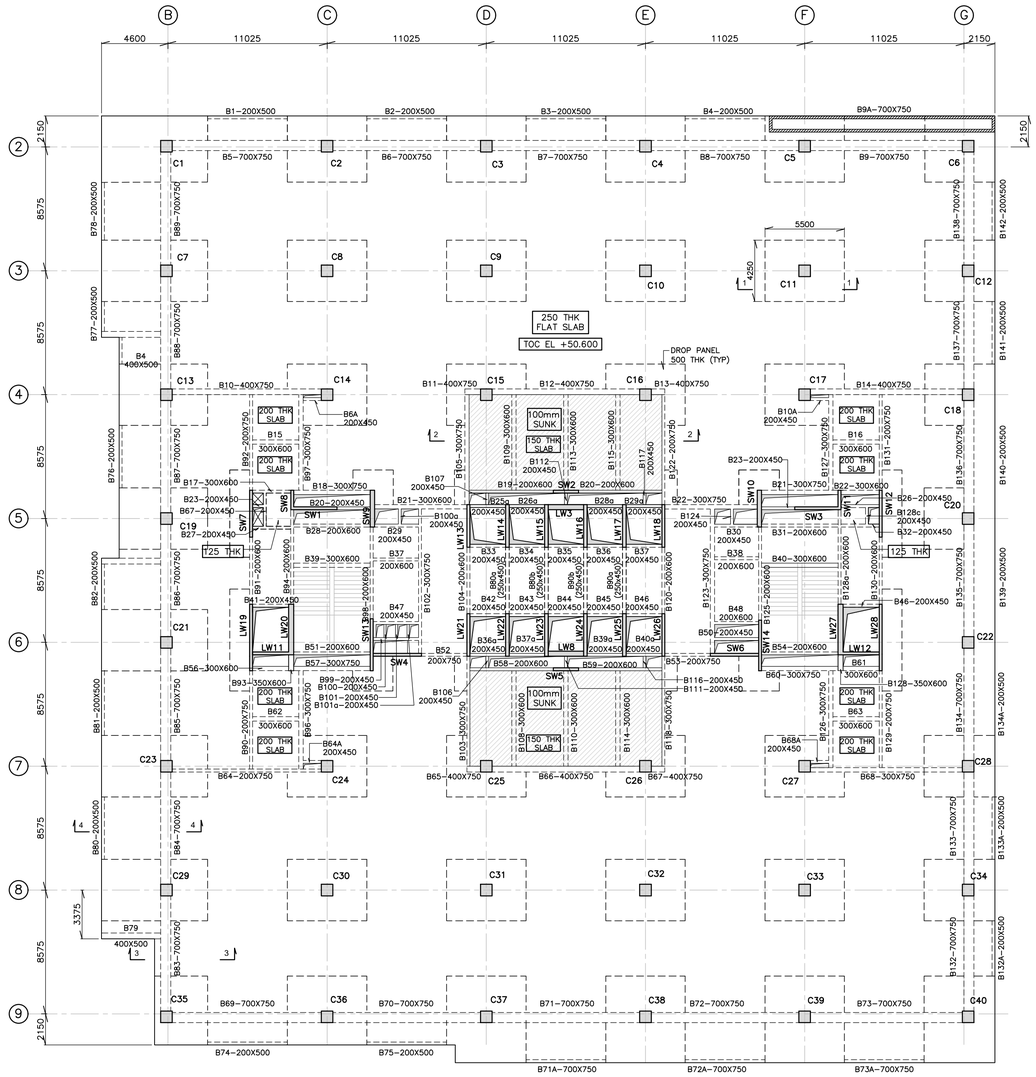
FILE NAME : TCE.13417A-CV-3000-RC-30106

FILE NAME: F-091-Rev-R1.dwg

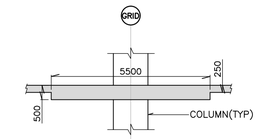
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
ELEVENTH FLOOR LAYOUT AND DETAILS

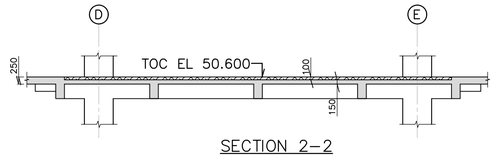
DWG NO TCE.13417A-CV-3000-RC-30112



LAYOUT OF ELEVENTH FLOOR
(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



SECTION 1-1
(SCALE 1:100)



SECTION 2-2
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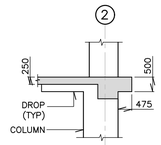

SECTION 3-3
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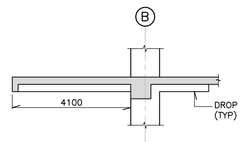
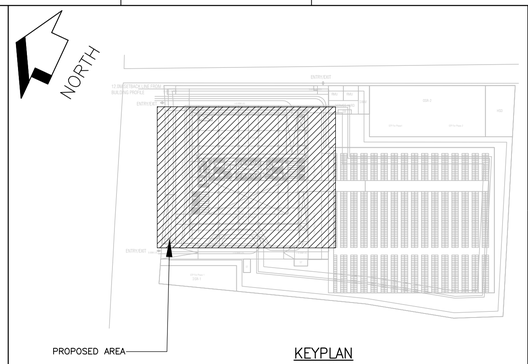


SECTION 4-4
(SCALE 1:100)



KEYPLAN
(NTS)

LEGEND:-

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION

NOTES: -

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   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS-1786.
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   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE.
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.

IMPORTANT NOTES: -

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	INITIALS	MGP	LSB	JM								PPR	RLD		
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE	
					CLEARED										

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:

TIDEL PARK MADURAI

ELEVENTH FLOOR LAYOUT AND DETAILS

SCALE : AS INDICATED
DC & DISC : MUM-CV
DWG NO. TCE.13417A-CV-3000-RC-30112
ISSUE P0
SIZE-A1

FILE NAME : TCE.13417A-CV-3000-RC-30112

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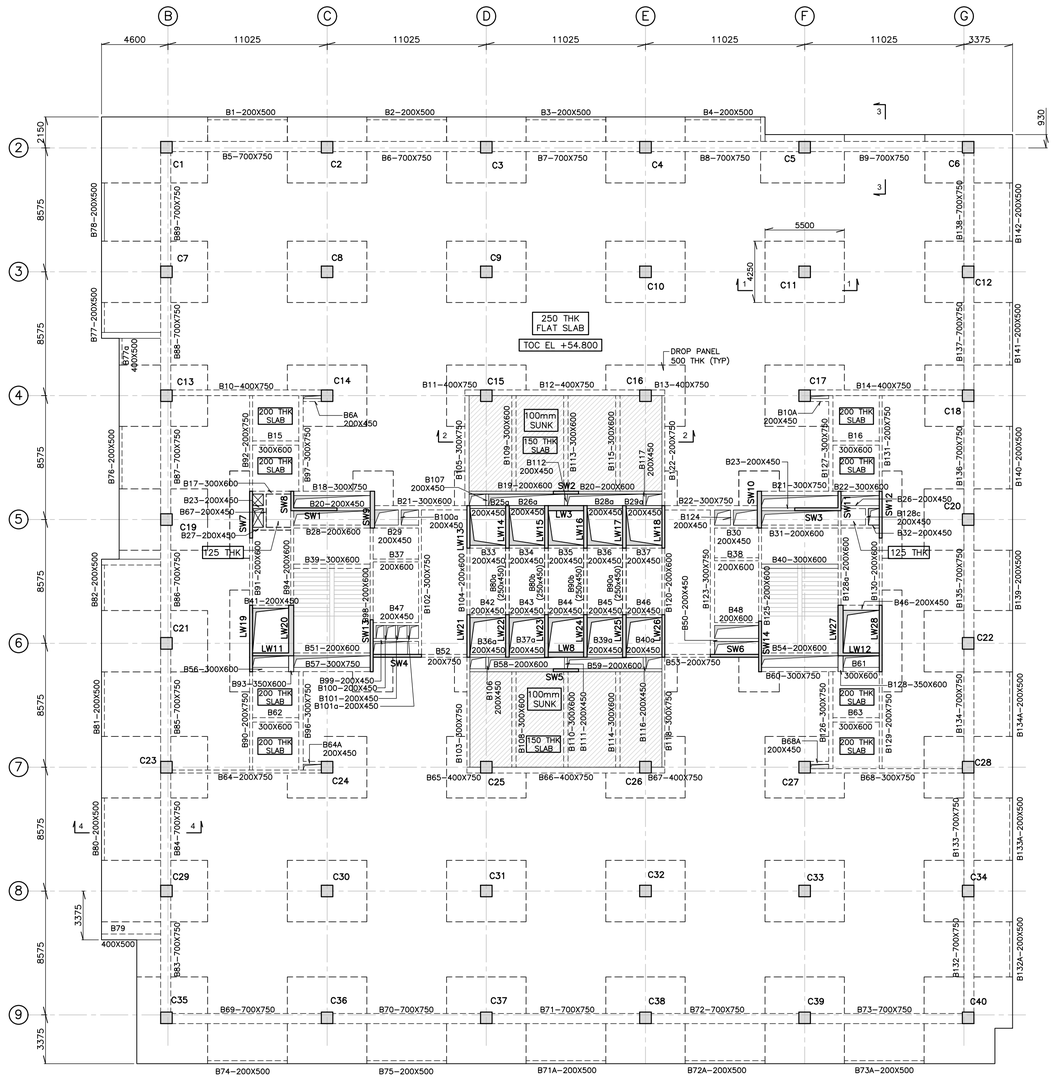
FILE NAME: F-091-Rev-R1.dwg

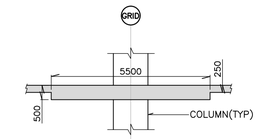
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
TWELFTH FLOOR LAYOUT AND DETAILS

DWG NO TCE.13417A-CV-3000-RC-30118



LAYOUT OF TWELFTH FLOOR
(ALL DROP THICKNESS 500(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



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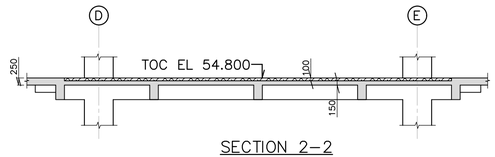
(SCALE 1:100)



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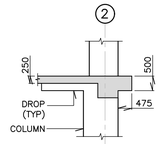

SECTION 3–3
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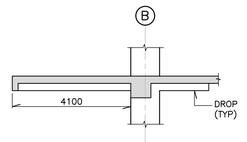

SECTION 4–4
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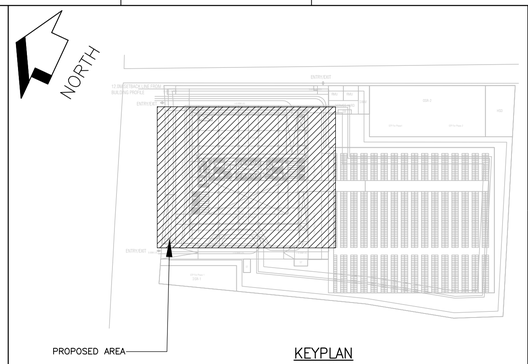

KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
	RCC BUND FOR LANDSCAPE		RW/COLUMN TERMINATION

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   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE.
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.

IMPORTANT NOTES: –

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TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

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MUMBAI

FOR TENDER PURPOSE

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FILE NAME : TCE.13417A-CV-3000-RC-30118

SCALE : AS INDICATED
DC & DISC : MUM-CV

DWG NO. TCE.13417A-CV-3000-RC-30118

ISSUE P0

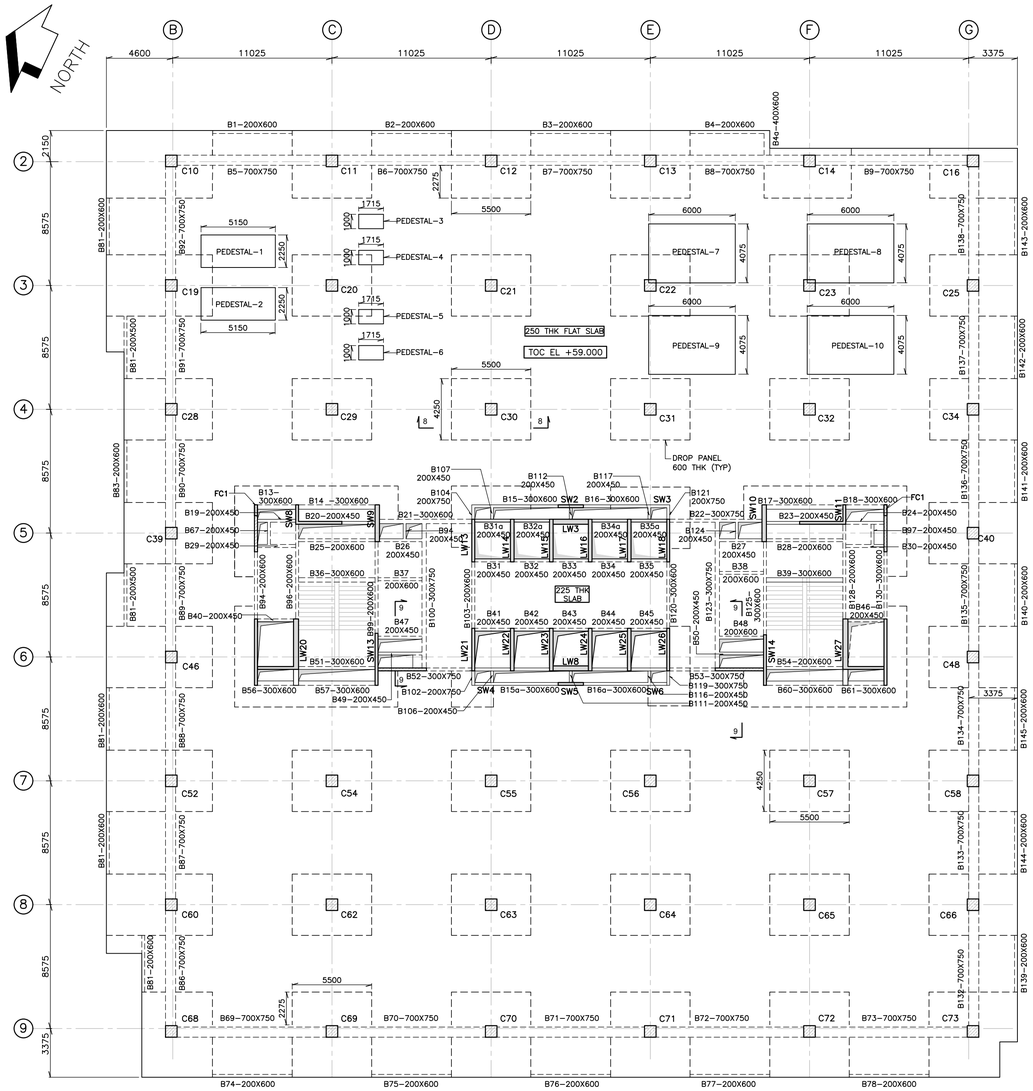
SIZE–A1

FILE NAME: F–091–Rev–R1.dwg

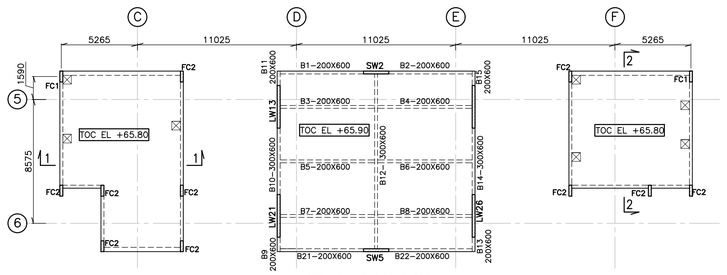
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
TERRACE FLOOR LAYOUT AND DETAILS

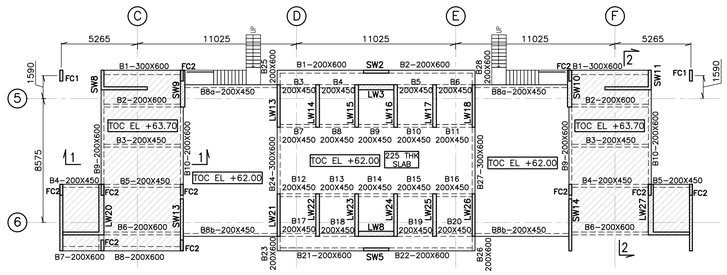
DWG NO: TCE.13417A-CV-3000-RC-30124



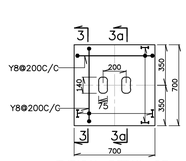
LAYOUT OF TERRACE FLOOR
(ALL DROP THICKNESS 600(TYP)(UN)
(ALL SLAB THICKNESS 150 THK(UN)
(SCALE 1:200)



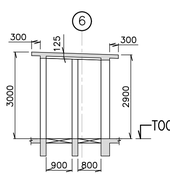
LAYOUT AT LMR & OHT TOP LVL
ALL SLAB THK 200 UN
(SCALE 1:200)



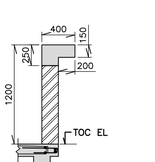
LAYOUT AT TOC EL 62.00
---INDICATE SLAB TOC EL 63.70
ALL SLAB THK 200 UN
(SCALE 1:200)



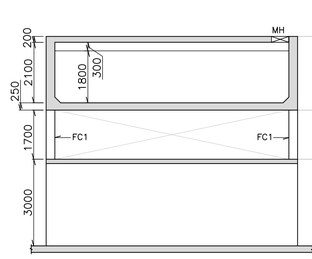
TYPICAL DETAIL OF PRECAST COVER SLAB
(SCALE 1:20)



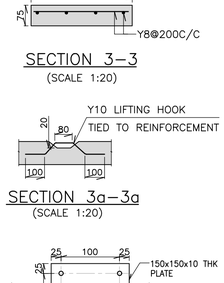
SECTION 9–9
(SCALE 1:100)



PARAPET DETAIL
(SCALE 1:25)

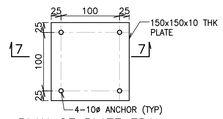


TERRACE OHT TANK SECTION: 1–1
(ABOVE STAIRCASE HEADROOM)
(SCALE 1:100)

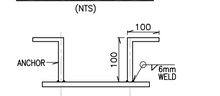


SECTION 3–3
(SCALE 1:20)

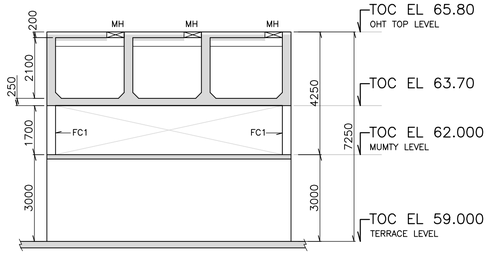
SECTION 3a–3a
(SCALE 1:20)



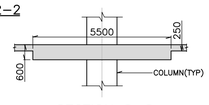
PLAN OF PLATE EP1
(NTS)



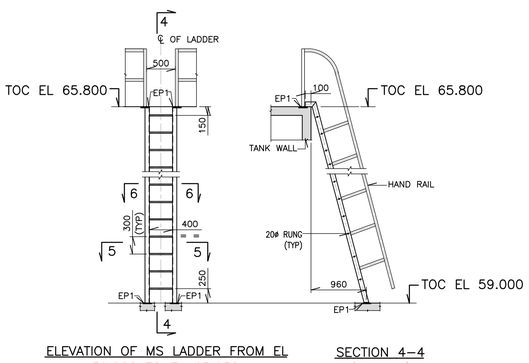
SECTION 7–7
(NTS)



TERRACE OHT TANK SECTION: 2–2
(ABOVE STAIRCASE HEADROOM)
(SCALE 1:100)

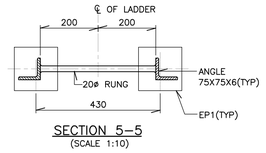


SECTION 8–8
TYPICAL SECTION OF DROP
(SCALE 1:100)

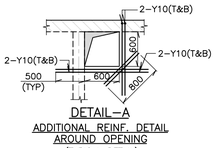


ELEVATION OF MS LADDER FROM EL 59.000 TO EL 65.950
(SCALE 1:50)

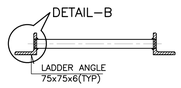
SECTION 4–4
(SCALE 1:50)



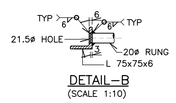
SECTION 5–5
(SCALE 1:10)



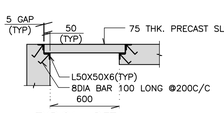
DETAIL–A
ADDITIONAL REINF. DETAIL AROUND OPENING
(TYPICAL DETAIL)
(SCALE 1:50)



SECTION 6–6
(SCALE 1:10)



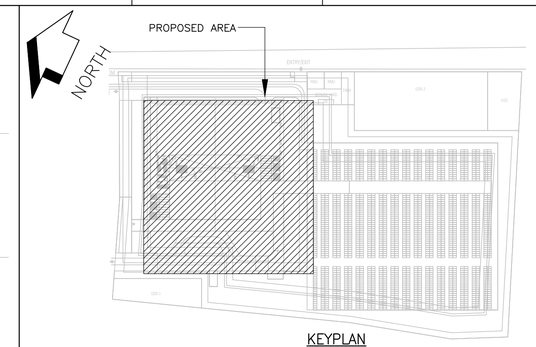
DETAIL–B
(SCALE 1:10)



TYPICAL DETAIL
(PRECAST SLAB)
(SCALE 1:25)

FC SCHEDULE

ID	SIZE	FROM	TO
FC1	200x750	59.000	65.800
FC2	200x750	63.700	65.800



KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
Cx	COLUMN NUMBER	THK	THICK
Bxx	BEAM NUMBER	UN	UNLESS NOTED OTHERWISE
MH	MAN HOLE		RW/COLUMN TERMINATION

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   A) COLUMN = M40
   B) RC WALL = M40
   C) BEAM = M30
   D) SLAB = M30
   A) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   RC WALL, COLUMN = 40MM, BEAM = 40MM, SLAB = 30MM
7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
8. FOR STRUCTURAL EARTHING, CONTRACTOR HAS TO COORDINATE WITH HIS STRUCTURAL EARTHING SUB VENDOR AND EXECUTE THE WORK ACCORDINGLY.
9. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE
10. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE.
11. WATER PROOFING FOR TERRACE SHALL BE AS PER TENDER SPECIFICATION.
12. ALL PEDESTALS ARE 300MM THICK.

IMPORTANT NOTES:–

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.													
	INITIALS													
	REVISIONS													
R0	SIGN.													
	INITIALS	MGP	LSB	JM								PPR	RLD	23–05–2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE
					CLEARED									

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

FOR TENDER PURPOSE

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TITLE:

TIDEL PARK MADURAI

TERRACE FLOOR LAYOUT AND DETAILS

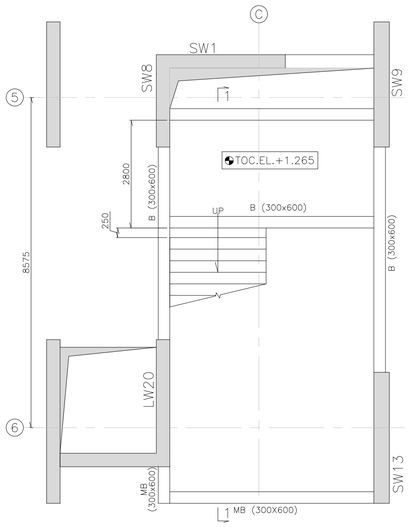
SCALE	DWG NO.	ISSUE
: AS INDICATED	TCE.13417A-CV-3000-RC-30124	P0
DC & DISC : MUM-CV		

FILE NAME : TCE.13417A-CV-3000-RC-30124

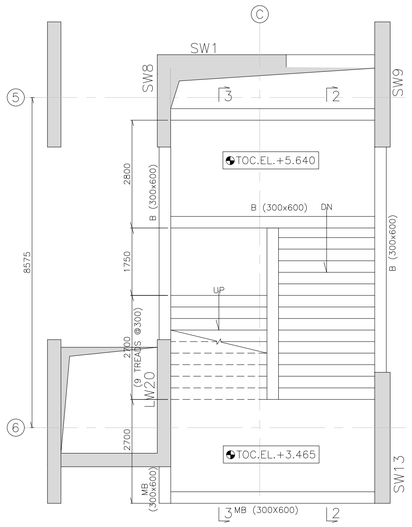
FILE NAME: F–091–Rev–R1.dwg

SIZE–A1

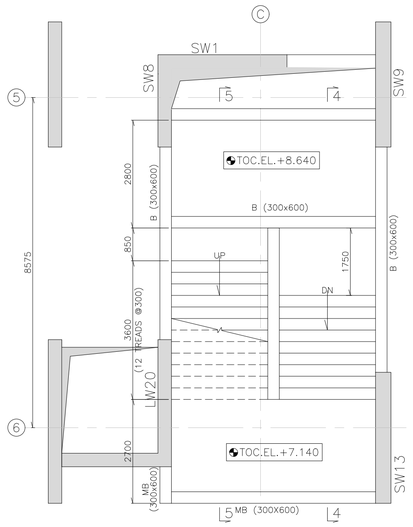
TCE FORM NO. 091 R1



PLAN OF STAIRCASE 01 & 02
AT TOC.EL.+1.265
(SCALE 1:75)



PLAN OF STAIRCASE 01 & 02
AT TOC.EL.+5.640
(SCALE 1:75)



PLAN OF STAIRCASE 01 & 02
AT TOC.EL.+8.640
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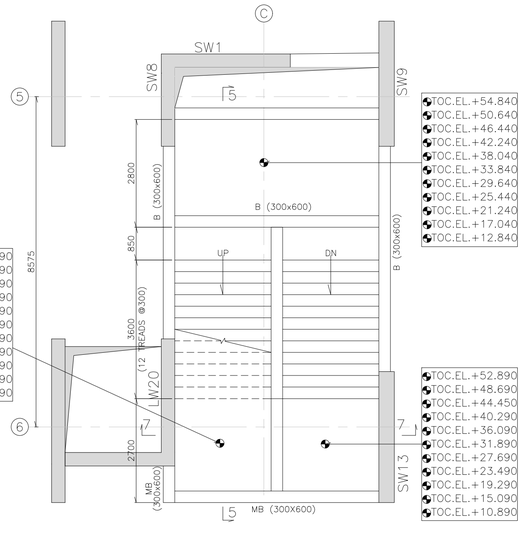

PLAN OF STAIRCASE 01 & 02 AT
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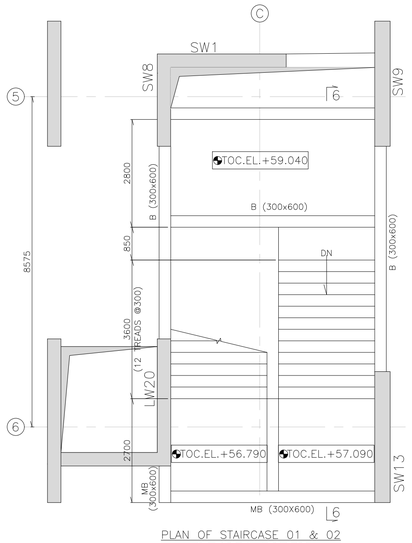
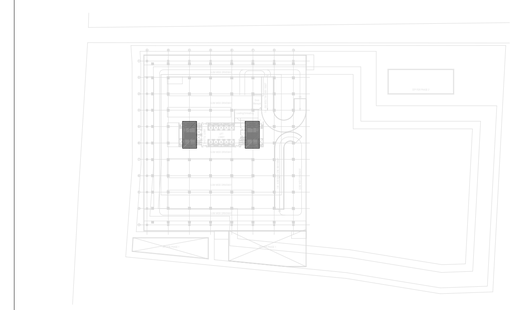
(SCALE 1:75)



PLAN OF STAIRCASE 01 & 02
AT TOC.EL.+59.040
(SCALE 1:75)



KEYPLAN
(NTS)

LEGEND:–

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
L	LENGTH	THK	THICK
B	BREADTH	UNO	UNLESS NOTED OTHERWISE
D	DEPTH	C/C	CENTRE TO CENTRE
Cx	COLUMN NUMBER	℄	CENTER LINE
Bxx	BEAM NUMBER	MB	MID LANDING BEAM

NOTES:–

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2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS :
   A) COLUMN = M40
   B) WALL = M40
   C) EAM = M30
   D) LAB = M30
   E) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500 CONFORMING TO IS–1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS
   RC WALL, COLUMN = 40MM, SLAB, BEAMS = 30MM
7. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE
8. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE
9. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.

IMPORTANT NOTES:–

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
2. STRUCTURAL MEMBERS SIZES ARRANGEMENTS AND CUT OUTS/OPENINGS INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS & ARRANGEMENTS SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

	SIGN.													
	INITIALS													
	REVISIONS													
P0	SIGN.													21.05.2024
	INITIALS	SK	LSB	JM								PPR	RLD	
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD–MM–YYY
					CLEARED									

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

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FILE NAME : TCE.13417A–CV–3000–RC–30140	SCALE : AS INDICATED	DWG NO. TCE.13417A-CV-3000-RC-30140	ISSUE P0
	DC & DISC : MUM-CV		

TCE FORM NO. 091 R1

A1–ZZ

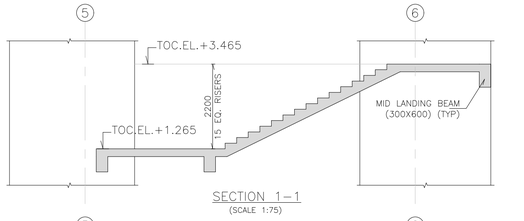
FILE NAME: F–091–Rev–R1.dwg

TITLE: TIDEL PARK MADURAI
LAYOUT AND DETAILS OF
STAIRCASE – 01&02 (SH 1 OF 2)

DWG NO TCE.13417A–CV–3000–RC–30140

TITLE: TIDEL PARK MADURAI
LAYOUT AND DETAILS OF
STAIRCASE – 01&02 (SH 2 OF 2)

DWG NO: TCE.13417A-CV-3000-RC-30141



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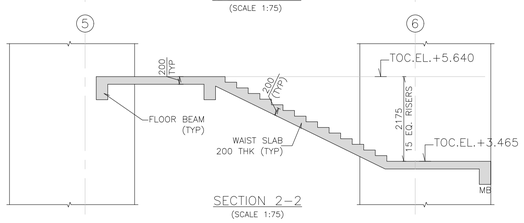

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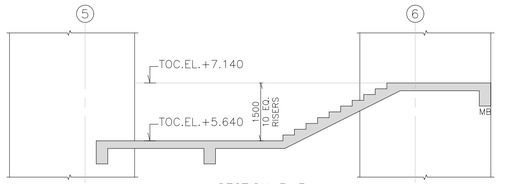

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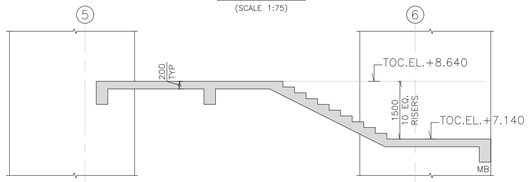

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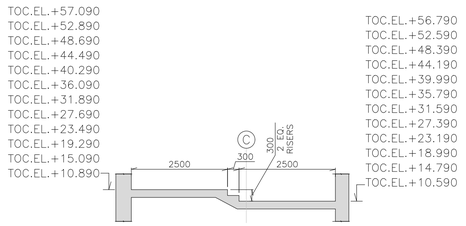

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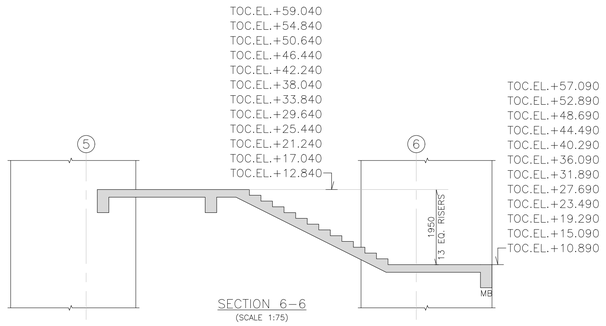

SECTION 6–6
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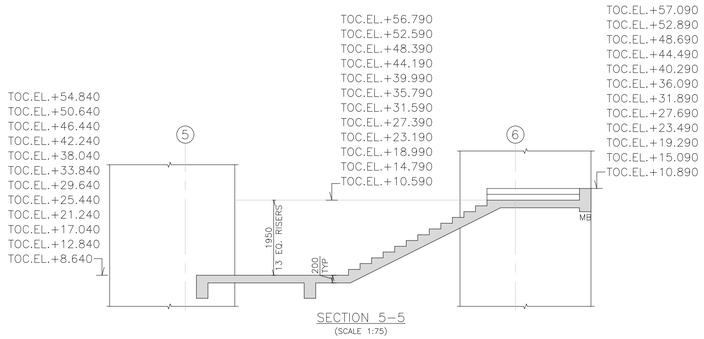

SECTION 5–5
(SCALE 1:75)

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL OTHER NOTES & LEGENDS REFER DWG. NO. TCE.13417A–CV–3000–RC–30142

IMPORTANT NOTES:–

1. SIZE AND LOCATION OF PEDESTAL INDICATED IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWING BASED ON FINAL VENDOR EQUIPMENT DETAILS AND IT SHALL BE APPROVED BY TCE BEFORE EXECUTION.
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	INITIALS													
	REVISIONS													
P0	SIGN.													21.05.2024
	INITIALS	SK	LSB	JM								PPR	RLD	
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD–MM–YYY
					CLEARED									

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

FOR TENDER PURPOSE

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ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

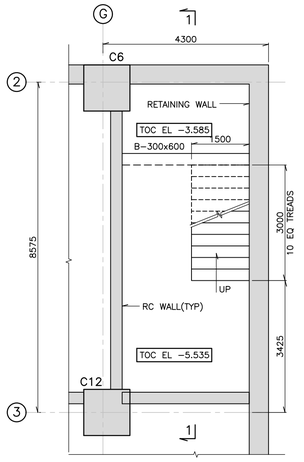
TIDEL PARK MADURAI
LAYOUT AND DETAILS OF
STAIRCASE – 01&02 (SH 2 OF 2)

FILE NAME : TCE.13417A–CV–3000–RC–30141

SCALE : AS INDICATED	DWG NO. TCE.13417A-CV-3000-RC-30141	ISSUE P0
DC & DISC : MUM-CV		SIZE–A1

FILE NAME: F–091–Rev–R1.dwg

TCE FORM NO. 091 R1



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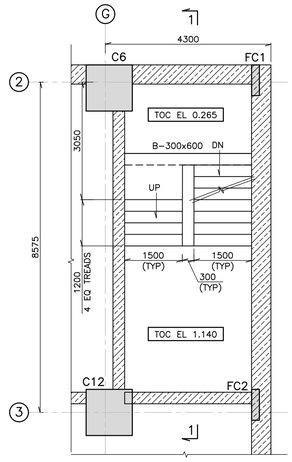

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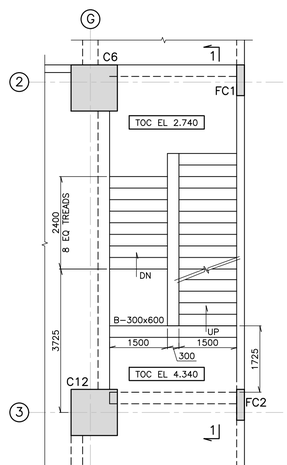

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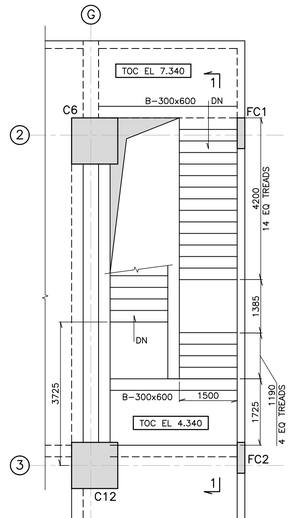

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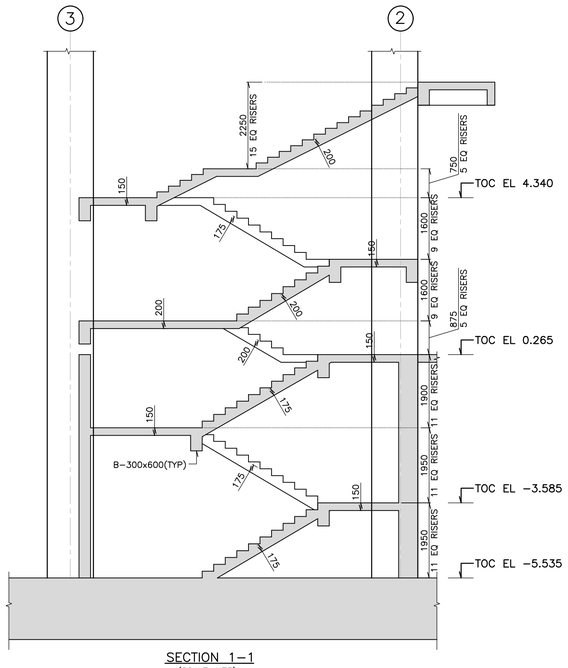
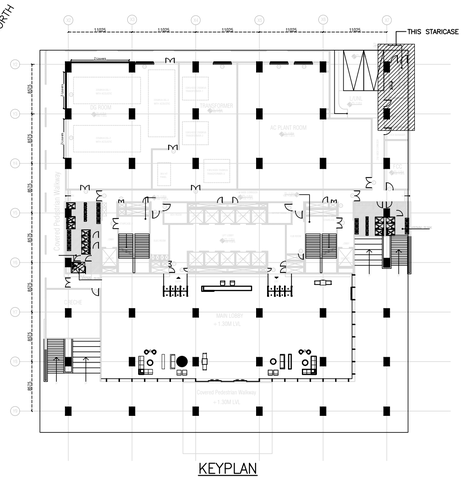


SECTION 1−1
(SCALE 1:75)



KEYPLAN
(NTS)

LEGEND:−

TYP	TYPICAL	EL	ELEVATION
MIN	MINIMUM	NTS	NOT TO SCALE
FGL	FINISHED GROUND LEVEL	TOC	TOP OF CONCRETE
FFL	FINISHED FLOOR LEVEL	PCC	PLAIN CEMENT CONCRETE
L	LENGTH	THK	THICK
B	BREADTH	UNO	UNLESS NOTED OTHERWISE
D	DEPTH	C/C	CENTRE TO CENTRE
Cx	COLUMN NUMBER	℄	CENTER LINE
Bxx	BEAM NUMBER		COLUMN/WALL TERMINATION
MB	MID LANDING BEAM		

NOTES:−

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. GRADE OF CONCRETE SHALL BE AS FOLLOWS :
   A) COLUMN = M40
   B) WALL = M40
   C) EAM = M30
   D) LAB = M30
   E) OTHER ELEMENTS = M30
5. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe500D CONFORMING TO IS−1786.
6. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS
   RC WALL, COLUMN = 40MM, SLAB, BEAMS = 30MM
7. LAP LENGTH AND DEVELOPMENT SHALL BE 46 TIMES BAR DIA FOR M30 GRADE OF CONCRETE
8. LAP LENGTH AND DEVELOPMENT SHALL BE 36 TIMES BAR DIA FOR M40 GRADE OF CONCRETE
9. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH MEP SERVICES & EQUIPMENT GA DRAWINGS.
10. STRUCTURAL MEMBER SIZES, ARRANGEMENT AND CUT OUTS/OPENINGS ETC. INDICATED IN THE DRAWING ARE TENTATIVE. FINAL SIZES OF STRUCTURAL MEMBERS AND ARRANGEMENT SHALL BE AS PER GFC DRAWINGS RELEASED DURING CONSTRUCTION.

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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD−MM−YYY
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CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

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TIDEL PARK, MADURAI
LAYOUT AND DETAILS OF STAIRCASE - 03

SCALE	DWG NO.	ISSUE
: AS INDICATED	TCE.13417A-CV-3000-RC-30144	P0

FILE NAME : TCE.13417A-CV-3000-RC-30144
DC & DISC : MUM-CV

SIZE-A1

FILE NAME: F−091−Rev−R1.dwg

TCE FORM NO. 091 R1

TENDER DRAWINGS
ELECTRICAL WORKS

Signature and seal of the bidder

TENDER DRAWINGS LIST - ELECTRICAL		
Sl. NO	**DRAWING NUMBER**	**DRAWING TITLE**
1	TCE.13417A-EL-4002-AU-40101	DETAILED SINGLE LINE DIAGRAM (Sheet 1 of 4)
2	TCE.13417A-EL-4002-AU-40102	DETAILED SINGLE LINE DIAGRAM (Sheet 2 of 4)
3	TCE.13417A-EL-4002-AU-40103	DETAILED SINGLE LINE DIAGRAM (Sheet 3 of 4)
4	TCE.13417A-EL-4002-AU-40104	DETAILED SINGLE LINE DIAGRAM (Sheet 4 of 4)
5	TCE.13417A-EL-4002-AU-40105	EARTHING SCHEMATIC LAYOUT
6	TCE.13417A-EL-4002-AU-40106	FUEL SYSTEM SCHEMATIC
7	TCE.13417A-EL-4026-GL-40107	MASTER PLAN WITH EXTERNAL ELECTRICAL SERVICES LAYOUT (Sheet 1)
8	TCE.13417A-EL-4026-GL-40109	UGT- LAYOUT- LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT
9	TCE.13417A-EL-4026-GL-40115	GROUND FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT (Sheet 1 of 2)
10	TCE.13417A-EL-4026-GL-40117	FIRST FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT (Sheet 1 of 2)
11	TCE.13417A-EL-4026-GL-40119	SECOND FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT (Sheet 1 of 2)
12	TCE.13417A-EL-4026-GL-40121	THIRD/ FOURTH/ SIXTH/ SEVENTH FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT (Sheet 1 of 2)
13	TCE.13417A-EL-4026-GL-40125	FIFTH / NINTH (TYPICAL)-REFUGE FLOOR- LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT (Sheet 1 of 2)
14	TCE.13417A-EL-4026-GL-40131	EIGHTH/ TENTH / ELEVENTH/ TWELFTH FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT
15	TCE.13417A-EL-4026-GL-40141	TERRACE FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT (Sheet 1 of 2)
16	TCE.13417A-EL-4026-GL-40142	GROUND FLOOR -AT MEZZANINELEVEL-LIGHTING & POWER LAYOUT
17	TCE.13417A-EL-4025-CAT-40147	GROUND FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT
18	TCE.13417A-EL-4025-CAT-40148	FIRST FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT
19	TCE.13417A-EL-4025-CAT-40149	SECOND FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT
20	TCE.13417A-EL-4025-CAT-40150	THIRD/ FOURTH/ SIXTH/ SEVENTH FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT
21	TCE.13417A-EL-4025-CAT-40152	FIFTH / NINTH (TYPICAL) REFUGE FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT
22	TCE.13417A-EL-4025-CAT-40155	EIGHTH/ TENTH / ELEVENTH/ TWELFTH FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT
23	TCE.13417A-EL-4025-CAT-40160	TERRACE FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT
24	TCE.13417A-EL-4025-CAT-40165	GROUND FLOOR -AT MEZZANINE LEVEL -CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT
25	TCE.13417A-EL-4025-CAT-40166	UGT- LAYOUT- CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT
26	TCE.13417A-EL-4027-SE-40169	GROUND FLOOR - STRUCTURAL EARTHING LAYOUT
27	TCE.13417A-EL-4027-SE-40170	FIRST FLOOR - STRUCTURAL EARTHING LAYOUT
28	TCE.13417A-EL-4027-SE-40171	SECOND FLOOR - STRUCTURAL EARTHING LAYOUT
29	TCE.13417A-EL-4027-SE-40172	THIRD TO TWELVTH FLOOR (TYPICAL) - STRUCTURAL EARTHING LAYOUT
30	TCE.13417A-EL-4027-SE-40182	TERRACE FLOOR - STRUCTURAL EARTHING LAYOUT
31	TCE.13417A-EL-4027-SE-40183	ROOF TOP SOLAR PV SYSTEM

FILE NAME: F-091-Rev-R1.dwg

1	2	3	4	5	6	7	8	9	10	11	12

SIZE—A1

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IN TIME BEFORE ANY CONSTRUCTION / FABRICATION WORK

ISSUE		DRN	DSN	CHD	CLEARED						APPD	DATE
					CV	EL	IC	EV	HVAC	PL	PE/PM	DD-MM-YY
R0	INITIALS	SBP	SBP	AM	—	—	—	—	—	—	AM	AM
	SIGN.											24-07-2024
	REVISIONS											
R1	INITIALS											
	SIGN.											

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TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

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MUMBAI

TIDEL PARK MADURAI-
DETAILED SINGLE LINE DIAGRAM (Sheet 1 of 4)

SCALE	: AS INDICATED	DWG NO.	TCE.13417A-EL-4002-AU-40101	ISSUE	R0
DC & DISC	: MUHEL				

FILE NAME : TCE.13417A-EL-4002-AU-40101

64	RESTRICTED EARTH FAULT RELAY.
87T	TRANSFORMER DIFFER. PROTECTION RELAY
64	RESTRICTED EARTH FAULT RELAY
74	ALARM RELAY
99	TRIP CIRCUIT HEALTHY
94	TRIP FREE RELAY
52BF	AC CIRCUIT BREAKER
40	FIELD RELAY
51GN	SENSOR INVERSE TIME EARTH FAULT RELAY
51N	INVERSE TIME EARTH FAULT RELAY
67N	UNDER VOLTAGE RELAY
32	DIRECTIONAL POWER RELAY
49	TRANSFORMER THERMAL RELAY
86	LOCKING OUT RELAY
50N	INSTANTANEOUS EARTH FAULT RELAY
50	INSTANTANEOUS OVER CURRENT RELAY
46	PHASE BALANCE CURRENT RELAY
51	AC TIME OVER CURRENT RELAY
60	FLOW SWITCH
81	FREQUENCY RELAY
67	AC DIRECTIONAL OVER CURRENT RELAY
59	OVER VOLTAGE RELAY
27	UNDER VOLTAGE RELAY

RSB	POWER DISTRIBUTION BOARD
A	ALARM
INT	UN-INTERRUPTED POWER SUPPLY
ISF	INSTRUMENT SAFETY FACTOR
T	TRIP
L	LOCAL
I/C	INCOMER
DPRO	SURGE PROTECTION DEVICE
MFM	MULTIFUNCTION METER(DIGITAL)
LOC. ISO	LOCAL ISOLATION
VTRN DB	VERTICAL TPN DISTRIBUTION BOARD
APFCR	ELECTRICAL POWER FACTOR CONTROLLER
LDB	LIGHTING DISTRIBUTION BOARD
HVAC DB	VENTILATION DISTRIBUTION BOARD
UPSB	UPS POWER DISTRIBUTION BOARD
CPDB	COMMON POWER DISTRIBUTION BOARD
ELDB	EMERGENCY LIGHTING DISTRIBUTIONBOARD
CLDB	COMMON LIGHTING DISTRIBUTION BOARD
(M)	WORKING/OPERATING
(S)	STANDBY

	RELAYS:
27	UNDER VOLTAGE RELAY
59	OVER VOLTAGE RELAY
67	AC DIRECTIONAL OVER CURRENT RELAY
81	FREQUENCY RELAY
60	FLOW SWITCH
51	AC TIME OVER CURRENT RELAY
46	PHASE BALANCE CURRENT RELAY
50	INSTANTANEOUS OVER CURRENT RELAY
50N	INSTANTANEOUS EARTH FAULT RELAY
86	LOCKING OUT RELAY
49	TRANSFORMER THERMAL RELAY
32	DIRECTIONAL POWER RELAY
67N	UNDER VOLTAGE RELAY
51N	INVERSE TIME EARTH FAULT RELAY
51GN	SENSOR INVERSE TIME EARTH FAULT RELAY
40	FIELD RELAY
52BF	AC CIRCUIT BREAKER
94	TRIP FREE RELAY
99	TRIP CIRCUIT HEALTHY
74	ALARM RELAY
64	RESTRICTED EARTH FAULT RELAY
87T	TRANSFORMER DIFFER. PROTECTION RELAY
64	RESTRICTED EARTH FAULT RELAY.

	LEGENDS:
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER
BCB	MOTOR PROTECTION CIRCUIT BREAKER (MCCB)
MCCB	MOULDED CASE CIRCUITBREAKER (MCCB)
	MANUAL CIRCUIT BREAKER(MCB)
	3-PHASE, 4-WIRE BUSBAR, CU. SIZE AS PER SCHEDULE
	3-PHASE, 3-WIRE BUSBAR, CU. SIZE AS PER SCHEDULE
	1-PHASE, 2-WIRE BUSBAR, CU. SIZE AS PER SCHEDULE
	3P SUPPLY INDICATION LAMPS: R-RED, Y-YELLOW, B-BLUE
	415V/240V, 3-PHASE, 4-WIRE, CU. CABLE
	240V, 1-PHASE, 2-WIRE, CU. CABLE
	415V/240V, 3-PHASE, 4-WIRE, AL. CABLE
	240V, 1-PHASE, 2-WIRE, AL. CABLE
	DOL CONTACTOR STARTER WITH PROTECTIVE DEVICE
	STAR-DELTA STARTER WITH PROTECTIVE DEVICE
	LED TYPE INDICATING LAMP
	3-RELAY-OVERLOAD, 1-EARTH FAULT, 1-PHASE UNBALANCE, ON, OFF, TRIP
	AIR CIRCUIT BREAKER
	MOULDED MOUNTED CASE CIRCUITBREAKER (MCCB)
	VOLUMETER SELECTOR SWITCH
	AMMETER SELECTOR SWITCH
	VOLUMETER
	AMMETER
	KILO WATT HOUR METER
	VACUUM CIRCUIT BREAKER
	MOTORISED MOULDED CASE CIRCUITBREAKER (MCCB)
	OVERLOAD PROTECTION
	RESIDUAL CURRENT CIRCUIT BREAKER WITH

	ABBREVATIONS:
(S)	STANDBY
(M)	WORKING/OPERATING
CLDB	COMMON LIGHTING DISTRIBUTION BOARD
ELDB	EMERGENCY LIGHTING DISTRIBUTIONBOARD
CPDB	COMMON POWER DISTRIBUTION BOARD
UPSB	UPS POWER DISTRIBUTION BOARD
HVAC DB	VENTILATION DISTRIBUTION BOARD
APFCR	ELECTRICAL POWER FACTOR CONTROLLER
LDB	LIGHTING DISTRIBUTION BOARD
LOC. ISO	LOCAL ISOLATION
VTRN DB	VERTICAL TPN DISTRIBUTION BOARD
MFM	MULTIFUNCTION METER(DIGITAL)
DPRO	SURGE PROTECTION DEVICE
I/C	INCOMER
L	LOCAL
T	TRIP
UPS	UN-INTERRUPTED POWER SUPPLY
A	ALARM
ISF	INSTRUMENT SAFETY FACTOR
RSB	POWER DISTRIBUTION BOARD

OPERATION LOGIC SCHEDULE

MAIN LT PANEL-1

SL.NO.	TRANSFORMER OPERATIONS	I/C -1	I/C-2	B/C	I/C-3	DG-1	DG-2	B/C	DG-3
01	CONDITION 1	OFF	ON	OFF	ON	OFF	ON	OFF	ON
02	CONDITION 2	OFF	ON	ON	OFF	OFF	ON	OFF	ON
03	CONDITION 3	ON	OFF	OFF	ON	OFF	ON	OFF	ON
04	CONDITION 4	OFF	ON	ON	OFF	OFF	ON	OFF	ON

TIE BREAKER PANEL

	DG OPERATIONS	I/C -1	I/C-2	B/C	I/C-3	DG-1	DG-2	B/C	DG-3
05	CONDITION 1	ON	OFF	OFF	ON	OFF	ON	OFF	ON
06	CONDITION 2	OFF	ON	OFF	ON	OFF	ON	OFF	ON
07	CONDITION 3	ON	OFF	ON	OFF	OFF	ON	OFF	ON
08	CONDITION 4	OFF	ON	ON	OFF	OFF	ON	OFF	ON

MAIN LT PANEL-2

		I/C -1	I/C-2	B/C	I/C-3	DG-1	DG-2	B/C	DG-3
01	CONDITION 1	OFF	ON	OFF	ON	OFF	ON	OFF	ON
02	CONDITION 2	OFF	ON	ON	OFF	OFF	ON	OFF	ON
03	CONDITION 3	ON	OFF	OFF	ON	OFF	ON	OFF	ON
04	CONDITION 4	OFF	ON	ON	OFF	OFF	ON	OFF	ON

DG SYNC PANEL

		I/C -1	I/C-2	B/C	I/C-3	DG-1	DG-2	B/C	DG-3
05	CONDITION 1	ON	OFF	OFF	ON	ON	ON	ON	ON
06	CONDITION 2	OFF	ON	OFF	ON	ON	ON	ON	ON
07	CONDITION 3	ON	OFF	ON	OFF	ON	ON	ON	ON
08	CONDITION 4	OFF	ON	ON	OFF	ON	ON	ON	ON

1. ALL PANELS SHALL BE DESIGNED FOR AMBIENT TEMPERATURE OF 45°C.
2. ALL THE ACB BREAKERS SHALL HAVE ISOLATED/TEST/SERVICE POSITIONS WITH THE DOOR INTERLOCKING MECHANISM.
3. ALL MCCBs RATED UPTO 200A SHALL BE TMA BASED. 200A & ABOVE SHALL BE MICROPROCESSOR BASED (O-I-E-F-C). E/F RELEASE SHALL BE INBUILT WITH MCCB. EXTERNAL E/F RELEASE IS NOT ACCEPTABLE.
4. MCCB's SHALL BE USED UPTO 630A. ACB's SHALL BE USED ABOVE630A.
5. PROTECTIVE DEVICES FOR ALL MOTOR FEEDERS SHALL BE AS PER TYPE-2 CO-ORDINATION CHART.
6. STARTER MODULE FOR AMPB FEEDERS SHALL CONTAIN CONTACTOR ONLY. THE OVERLOAD RELAY SHALL BE INBUILT FEATURE OF MPCB. STARTER FEEDERS SHALL COMPLETE WITH ALL REQUIRED AUX CONTACTORS, RELAYS ETC.
7. ALL OLR SHALL HAVE SINGLE PHASING PREVENTOR AS IN-BUILT.
8. ALL CONTACTORS SHALL BE OF AC3 DUTY.
9. CABLES SHALL BE XLPE INSULATED, PVC INNER AND FRLS PVC OUTER SHEATHED, ARMOURED CABLE.
10. CT, PT & CONTROL TRANSFORMER BURDEN INDICATED ARE TENTATIVE. VENDOR HAS TO BE DECIDE THE RATING AS PER THE ACTUAL REQUIREMENTS.
11. MOTOR FEEDERS > 30kW SHALL BE PROVIDED WITH 240V SUPPLY WITH INTERLOCK TO MOTOR SPACE HEATER.
12. MOTOR FEEDERS UPTO 5.5kW SHALL BE PROVIDED WITH DOL STARTERS, ABOVE 5.5kW SHALL BE PROVIDED WITH STAR DELTA STARTERS.
13. ON/OFF/TRIP/R/Y/B INDICATION SHALL BE PROVIDED FOR ALL FLOOR MOUNTED PANELS MCCB INCOMER, FOR OUTGOING MCCB FEEDERS ON/OFF/TRIP INDICATION SHALL BE PROVIDED. ALL ACB FEEDERS SHALL BE PROVIDED WITH FOLLOWING INDICATIONS: ON,OFF, TRIP,TOK,SPRNG CHARGED, SERVICE, TEST & DC FAILURE.
14. FOR LT INDOOR PANELS IP-42 SHALL BE PROVIDED & OUT DOOR PANELS IP-55 SHALL BE PROVIDED.
15. FOR ALL FEEDERS WHERE MORE THAN ONE INCOMERS ARE SHOWN BIDDER IS CONSIDER NECESSARY LVA, CONTACTORS,AUXILIARY RELAYS, ETC REQUIRED FOR AUTO TRANSFER OF SOURCES.
16. ALL ACBs SHALL BE PROVIDED WITH MICROPROCESSOR BASED NUMERIC RELEASES FOR OVERLOAD SHORT CIRCUIT AND EARTH FAULT PROTECTION,WITH SELF DIAGNOSTIC & COMMUNICATION FEATURE.
17. FOR LV SWITCHGEAR WHERE ELECTRICAL INTERLOCK IS ENVISAGED, INCOMER & BUSCOUPLER RELEASES SHALL BE SUITABLE FOR AUTO CLOSURE I.E. NO FAULT SIGNAL OUTPUT SHALL BE PROVIDED.
18. ALL UPS DB SHALL BE WITH D CURVE MCB AND WORKSTATION RCBO SHALL BE WITH HI TYPE WITH ENCLOSURE.
19. ALL FLOOR MOUNTED PANELS SHALL BE WITH BASE FRAME.
20. THE CABLE SIZES INDICATED IN THE DRAWING ARE INDICATIVE ONLY. THE FINAL CABLE SIZE SHALL BE BASED ON APPROVED CABLE SCHEDULE.
21. FOR LT PANELS SPACE HEATER SUPPLY, AUXILIARY AC SUPPLY SHALL BE TAPPED FROM INCOMER.
22. ON/OFF/TRIP STATUS OF ALL THE BREAKERS(VCB/ACB/MCCB/MPCB/RCBO) AND METER PARAMETER FROM EACH PANELS THROUGH MODBUS IP OUTPUT / ETHERNET OUTPUT FOR BMS CONNECTIVITY AS PER BMS ARCHITECTURE.
23. THE RATING INDICATED IN THE SLD IS INDICATIVE ONLY THE VENDOR HAS TO SELECT AND FINALISE THE SUITABLE RATING OF PROTECTIVE DEVICE BASED ON THE DISCRIMINATION REPORT DURING DETAILED ENGINEERING STAGE WITHOUT ANY PRICE IMPLICATION. ANY BREAKER RATING IS CHANGED AT DETAILED ENGINEERING STAGE WITHOUT ANY PRICE IMPLICATION,IF ANY BREAKER RATING IS CHANGED AS PER DISCRIMINATION STUDY THE SAME SHALL BE UPGRADED WITHOUT ANY COMMERCIAL IMPLICATION,VENDOR TO CONSIDER THE COST ACCORDINGLY FOR MOTOR FEEDERS ALL PROTECTIVE DEVICE RATING SHALL BE AS PER TYPE-2 CO-ORDINATION CHART.
24. ANNUNCIATION TILES INDICATED QUANTITY IS INDICATIVE ONLY. THE FINAL CONFIGURATION/DETAILS SHALL BE FINALIZED DURING DETAILED ENGINEERING STAGE. THE CONTRACTOR HAS TO DO THE NECESSARY CHANGES WITHOUT ANY COMMERCIAL IMPLICATION.
25. ALL BUS COUPLER & BUS SECTION SHALL BE RATED 100% OF ALL TP+2N PANELS THE SAME SHALL BE RATED 200%.
26. DIGITAL MULTIFUNCTION METER (MFM) SHALL BE PROVIDED WITH (BUT NOT LIMITED TO) FOLLOWING METERING FEATURES CURRENT, VOLTAGE, FREQUENCY, ENERGY (KWH) MD (KW/KVA), PF, KVAH, KVARH, V THD, I THD, ETC
27. DG SWITCHGEAR PANEL SHALL BE PROVIDED WITH 'R', 'Y', 'B' INDICATION LAMPS, LAMP TEST PUSH BUTTON, SELECTOR SWITCH, W HERE EVER TWO OR MORE NUMBER OF DGs ARE CONNECTED TO DG SWITCHGEAR CUM ANT CONDENSER PANEL, PUSH BUTTON, AUTO/MANUAL & LOCAL/REMOTE, VOLTAGE RAISE/LOW, SPEED RAISE/LOW, EMERGENCY STOP PUSH BUTTON SHALL BE PROVIDED.
28. VA BURDENS OF CTs/PTs AS INDICATED IN SLD SHALL BE CONSIDERED AS MINIMUM REQUIRED. VENDOR TO FINALISE BASED ON ELEMENTS/PROTECTION SELECTED. BACKUP CALCULATIONS TO BE SUBMITTED FOR REFERENCE.
29. ALL PANEL SHALL HAVE TOP CABLE ENTRY/EXIT FOR POWER/CONTROL CABLES.
30. ALL PROTECTION RELAY SHALL BE NUMERICAL TYPE AND SHALL BE SUPPLIED WITH LATEST VERSION SOFTWARE AND HARDWARE WITHOUT ANY EXTRA COST. IT SHOULD BE POSSIBLE TO SET RELAY, VIEW FAULT PARAMETERS, DOWNLOAD PROGRAM FROM RELAY TO COMPUTER, CONNECTED SYSTEM.
31. ADAPTER BOX SHALL BE PROVIDED INCLUDING PROTECTION CTs AS SHOWN IN SLD.
32. 20% SPARE TERMINALS TO BE PROVIDED FOR EACH TERMINAL STRIP FOR EACH PANEL.
33. STUD TYPE TERMINALS AND RING TYPE LUGS SHALL BE USED FOR CONTROL CABLES.
34. PANEL ILLUMINATION LAMP 7 W/9 W LED LAMP WITH FIXTURE SHALL BE PROVIDED WITH DOOR LIMIT S/W.
35. ALL PANELS SHALL BE PROVIDED WITH 5/15A, 3 PIN SOCKET WITH MCB & PLUG SHALL BE PROVIDED INSIDE INCOMER. THEMOSTAT SHALL ALSO BE PROVIDD FOR EACH FEEDER.

FILE NAME: F-091-Rev-R1.dwg											
1	2	3	4	5	6	7	8	9	10	11	12

TITLE:

TIDEL PARK MADURAI-
DETAILED SINGLE LINE DIAGRAM (Sheet 1 of 4)

DWG NO

TCE.13417A-EL-4002-AU-40101

TITLE: TIDEL PARK MADURAI DETAILED SINGLE LINE DIAGRAM (Sheet 2 of 4)

DWG NO: TCE.13417A-EL-4002-AU-40102

1. ALL PANELS SHALL BE DESIGNED FOR AMBIENT TEMPERATURE OF 45°C.
2. ALL THE ACB BREAKERS SHALL HAVE ISOLATED/TEST/SERVICE POSITIONS WITH THE DOOR INTERLOCKING MECHANISM.
3. ALL MCCBs RATED UPTO 200A SHALL BE TMA BASED. 200A & ABOVE SHALL BE MICROPROCESSOR BASED (OC+EF+SC). E/F RELEASE SHALL BE INBUILT WITH MCCB. EXTERNAL E/F RELEASE IS NOT ACCEPTABLE.
4. MCCB's SHALL BE USED UPTO 630A. ACB's SHALL BE USED ABOVE630A.
5. PROTECTIVE DEVICES FOR ALL MOTOR FEEDERS SHALL BE AS PER TYPE-2 CO-ORDINATION CHART.
6. STARTER MODULE FOR MPCB FEEDERS SHALL CONTAIN CONTACTOR ONLY. THE OVERLOAD RELAY SHALL BE INBUILT FEATURE OF MPCB. STARTER FEEDERS SHALL COMPLETE WITH ALL REQUIRED AUX CONTACTORS, REALAYS ETC.
7. ALL OLR SHALL HAVE SINGLE PHASING PREVENTOR AS IN-BUILT.
8. ALL CONTACTORS SHALL BE OF AC3 DUTY.
9. CABLES SHALL BE XLPE INSULATED, PVC INNER AND FRLS PVC OUTER SHEATHED, ARMOURED CABLE.
10. CT, PT & CONTROL TRANSFORMER BURDEN INDICATED ARE TENTATIVE, VENDOR HAS TO BE DECIDE THE RATING AS PER THE ACTUAL REQUIREMENTS.
11. MOTOR FEEDERS > 30kw SHALL BE PROVIDED WITH 240V SUPPLY WITH INTERLOCK TO MOTOR SPACE HEATER.
12. MOTOR FEEDERS UPTO 5.5kW SHALL BE PROVIDED WITH DOL STARTERS, ABOVE 5.5kW SHALL BE PROVIDED WITH STAR DELTA STARTERS.
13. ON/OFF/TRIP/R/Y/B INDICATION SHALL BE PROVIDED FOR ALL FLOOR MOUNTED PANELS MCCB INCOMER, FOR OUT GOING MCCB FEEDERS ON/OFF/TRIP INDICATION SHALL BE PROVIDED. ALL ACB FEEDERS SHALL BE PROVIDED WITH FOLLOWING INDICATIONS: ON,OFF, TRIP,TCH,SPRING CHARGED, SERVICE, TEST & DC FAILURE.
14. FOR LT INDOOR PANELS IP-42 SHALL BE PROVIDED & OUT DOOR PANELS IP-55 SHALL BE PROVIDED.
15. FOR ALL FEEDERS WHERE MORE THAN ONE INCOMERS ARE SHOWN BIDDERS TO CONSIDER NECESSARY LVM, CONTACTORS,AUXILIARY RELAYS, ETC REQUIRED FOR AUTO TRANSFER OF SOURCES.
16. ALL ACBs SHALL BE PROVIDED WITH MICROPROCESSOR BASED NUMERIC RELEASES FOR OVERLOAD SHORT CIRCUIT AND EARTH FAULT PROTECTION,WITH SELF DIAGNOSTIC & COMMUNICATION FEATURE.
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18. ALL UPS DB SHALL BE WITH D CURVE MCB AND WORKSTATION RCBO SHALL BE WITH HI TYPE WITH ENCLOSURE.
19. ALL FLOOR MOUNTED PANELS SHALL BE WITH BASE FRAME
20. THE CABLE SIZES INDICATED IN THE DRAWING ARE INDICATIVE ONLY. THE FINAL CABLE SIZE SHALL BE BASED ON APPROVED CABLE SCHDEDULE.
21. FOR LT PANELS SPACE HEATER SUPPLY, AUXILIARY AC SUPPLY SHALL BE TAPPED FROM INCOMER.
22. ON/OFF/TRIP STATUS OF ALL THE BREAKERS(VCB/ACB/MCCB/MCB/MPCB/RCBO) AND METER PARAMETER FROM EACH PANEL TO BE PROVIDED THROUGH MODBUS IP OUTPUT / ETHERNET OUTPUT FOR BMS CONNECTIVITY AS PER BMS ARCHITECTURE.
23. THE RATING INDICATED IN THE SLD IS INDICATIVE ONLY THE VENDOR HAS TO SELECT AND FINALISE THE SUITABLE RATING OF PROTECTIVE DEVICE BASED ON THE DISCRIMINATION REPORT DURING DETAILED ENGINEERING STAGE WITHOUT ANY PRICE IMPLICATION.IF ANY BREAKER RATING IS CHANGED AS PER DISCRIMINATION STUDY THE SAME SHALL BE UPGRADED WITHOUT ANY COMMERCIAL IMPLICATION.VENDOR TO CONSIDER THE COST ACCORDINGLY FOR MOTOR FEEDERS ALL PROTECTIVE DEVICE RATING SHALL BE AS PER TYPE-2 CO-ORDINATION CHART.
24. ANNUNCIATOR DETAILS INDICATED (NUMBER OF WINDOW) IS INDICATIVE ONLY. THE FINAL CONFIGURATION/DETAILS SHALL BE FINALIZED DURING DETAILED ENGINEERING STAGE. THE CONTRACTOR HAS TO DO THE NECESSARY CHANGES WITHOUT ANY COMMERCIAL IMPLICATION.
25. NEUTRAL BUS OF ALL TPN/4P PANELS SHALL BE 100% RATED AND FOR ALL TP+2N PANELS THE SAME SHALL BE RATED 200%.
26. DIGITAL MULTIFUNCTION METER (MFM) SHALL BE PROVIDED WITH (BUT NOT LIMITED TO) FOLLOWING METERING FEATURES CURRENT, VOLTAGE, FREQUENCY, ENERGY (KWH), MD (KW/KVA), PF, KVAH, KVAR, KVARH, V THD, I THD, ETC
27. DG SWITCHGEAR PANEL SHALL BE PROVIDED WITH 'R', 'Y', 'B' INDICATION LAMPS, LAMP TEST PUSH BUTTON, EMERGENCY TRIP PUSH BUTTON, AUTO/MANUAL & LOCAL/REMOTE, VOLTAGE RAISE/LOW, SPEED RAISE/LOW SELECTOR SWITCH W HEREVER TWO OR MORE NUMBER OF DGs ARE CONNECTED TO DG SWITCHGEAR CUM AMF PANEL, NEUTRAL CONTACTOR 'ON' & 'OFF' INDICATION LAMPS SHALL BE CONSIDERED FOR EACH INCOMER,EMERGENCY TRIP PUSH BUTTON SHALL BE MUSHROOM TYPE WITH LOCKABLE KEY.
28. VA BURDENS OF CTs/PTs AS INDICATED IN SLD SHALL BE CONSIDERED AS MINIMUM REQUIRED. VENDOR TO FINALISE BASED ON METERING/PROTECTION SELECTED. BACKUP CALCULATIONS TO BE SUBMITTED FOR REFERENCE.
29. ALL PANEL SHALL HAVE TOP CABLE ENTRY/EXIT FOR POWER/CONTROL CABLES.
30. ALL PROTECTION RELAY SHALL BE NUMERICAL TYPE AND SHALL BE SUPPLIED WITH LATEST VERSION SOFTWARE AND HARDWARE WITHOUT ANY EXTRA COST, IT SHOULD BE POSSIBLE TO SET RELAY, VIEW FAULT PARAMETERS, DOWNLOAD INFORMATION FROM RELAY TO COMPUTER CONNECTED SYSTEM.
31. ADAPTER BOX SHALL BE PROVIDED INCLUDING PROTECTION CTs AS SHOWN IN SLD.
32. 20% SPARE TERMINALS TO BE PROVIDED FOR EACH TERMINAL STRIP FOR EACH PANEL.
33. STUD TYPE TERMINALS AND RING TYPE LUGS SHALL BE USED FOR CONTROL CABLES.
34. PANEL ILLUMINATION LAMP 7 W/9 W LED LAMP WITH FIXTURE SHALL BE PROVIDED WITH DOOR LIMIT S/W.
35. ALL PANELS SHALL BE PROVIDED WITH 5/15A, 5 PIN SOCKET WITH MCB & PLUG SHALL BE PROVIDED INSIDE INCOMER. THERMOSTAT SHALL ALSO BE PROVIDED FOR EACH FEEDER.

	RELAYS:
27	UNDER VOLTAGE RELAY
59	OVER VOLTAGE RELAY
67	AC DIRECTIONAL OVER CURRENT RELAY
81	FREQUENCY RELAY
80	FLOW SWITCH
51	AC TIME OVER CURRENT RELAY
46	PHASE BALANCE CURRENT RELAY
50	INSTANTANEOUS OVER CURRENT RELAY
50N	INSTANTANEOUS EARTH FAULT RELAY
86	LOCKING OUT RELAY
49	TRANSFORMER THERMAL RELAY
32	DIRECTIONAL POWER RELAY
67N	UNDER VOLTAGE RELAY
51N	INVERSE TIME EARTH FAULT RELAY
51GN	STANDBY INVERSE TIME EARTH FAULT RELAY
40	FIELD RELAY
52BF	AC CIRCUIT BREAKER
94	TRIP FREE RELAY
95	TRIP CIRCUIT HEALTHY
74	ALARM RELAY
64	RESTRICTED EARTH FAULT RELAY
87T	TRANSFORMER DIFFER. PROTECTION RELAY
64	RESTRICTED EARTH FAULT RELAY

ABBREVIATIONS:	
(S)	STANDBY
(W)	WORKING/OPERATING
CLDB	COMMON LIGHTING DISTRIBUTION BOARD
ELDB	EMERGENCY LIGHTING DISTRIBUTIONBOARD
CPDB	COMMON POWER DISTRIBUTION BOARD
UPDB	UPS POWER DISTRIBUTION BOARD
HVAC DB	VENTILATION DISTRIBUTION BOARD
APFCR	ELEMATIC POWER FACTOR CONTROLLER
LDB	LIGHTING DISTRIBUTION BOARD
LOC. ISO	LOCAL ISOLATION
VTPN DB	VERTICAL TPN DISTRIBUTION BOARD
MFM	MULTIFUNCTION METER(DIGITAL)
SPD	SURGE PROTECTION DEVICE
I/C	INCOMER
L	LOCAL
T	TRIP
UPS	UN-INTERRUPTED POWER SUPPLY
ISF	INSTRUMENT SAFETY FACTOR
A	ALARM
PDB	POWER DISTRIBUTION BOARD

LEGENDS:	
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER
MCCB	MOULDED CASE CIRCUITBREAKER (MCCB)
MPCB	MOTOR PROTECTION CIRCUIT BREAKER(MPCB)
	MINIATURE CIRCUIT BREAKER
R Y B	3ø SUPPLY INDICATION LAMPS: R-RED, Y-YELLOW, B-BLUE
	CABLE TERMINATION
	DRAWOUT TYPE FEEDER
	DOL CONTACTOR STARTER WITH PROTECTIVE DEVICE
	STAR-DELTA STARTER WITH PROTECTIVE DEVICE
	LED TYPE INDICATING LAMP R-RED,G-GREEN,A-AMBER, ON, OFF, TRIP
	AIR CIRCUIT BREAKER
	MOTORISED MOULDED CASE CIRCUITBREAKER (MCCB)
	VACUUM CIRCUIT BREAKER
	KILO IBATT HOUR METER
	AMMETER
	VOLTMETER
	AMMETER SELECTOR SWITCH
	VOLTMETER SELECTOR SWITCH
	RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERLOAD PROTECTION

	SIGN.	INITIALS	REVISIONS
R1			
R0	SIGN.	INITIALS	
		SBP	SBP
ISSUE		DRN	DSN

AM	AM	24-07-2024
CHD	CV EL IC EV HVAC PL	PE/PM APPD DATE DD-MM-YYY
CLEARED		

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TIDEL PARK MADURAI

DETAILED SINGLE LINE DIAGRAM (Sheet 2 of 4)

FOR TENDER PURPOSE:

DO NOT SCALE

'R' (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES ONLY AS INDICATED IN THE SMALL BLOCK ABOVE THIS BLOCK.

CONSTRUCTION / FABRICATION WORK IS PERMITTED ON 'R' (RELEASED) ISSUES ONLY.

INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO 'HOLDS'.

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FILE NAME : TCE.13417A-EL-4002-AU-40102

SCALE : AS INDICATED

DC & DISC : MUM-EL

DWG NO. TCE.13417A-EL-4002-AU-40102

ISSUE R0

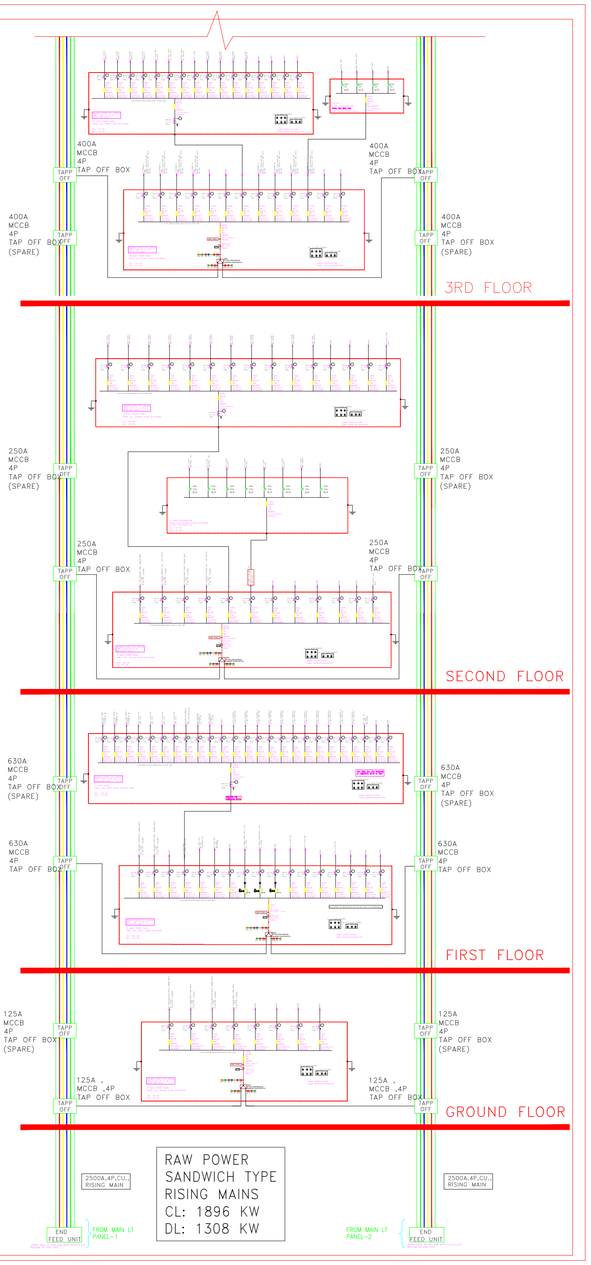
SIZE-A1

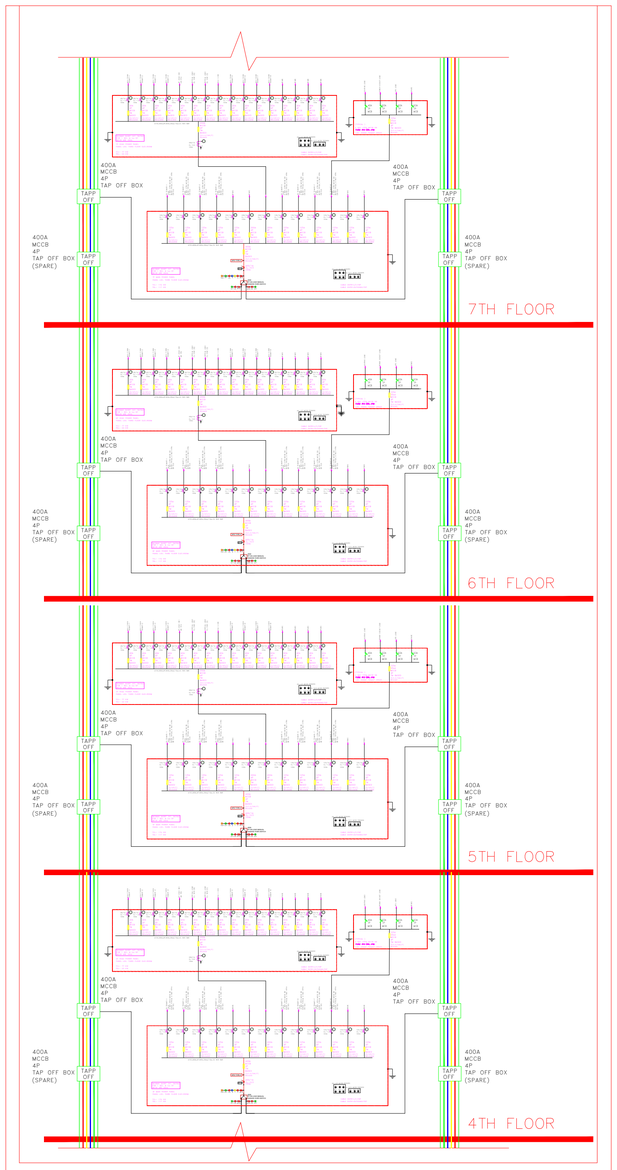
TCE FORM NO. 091 R1

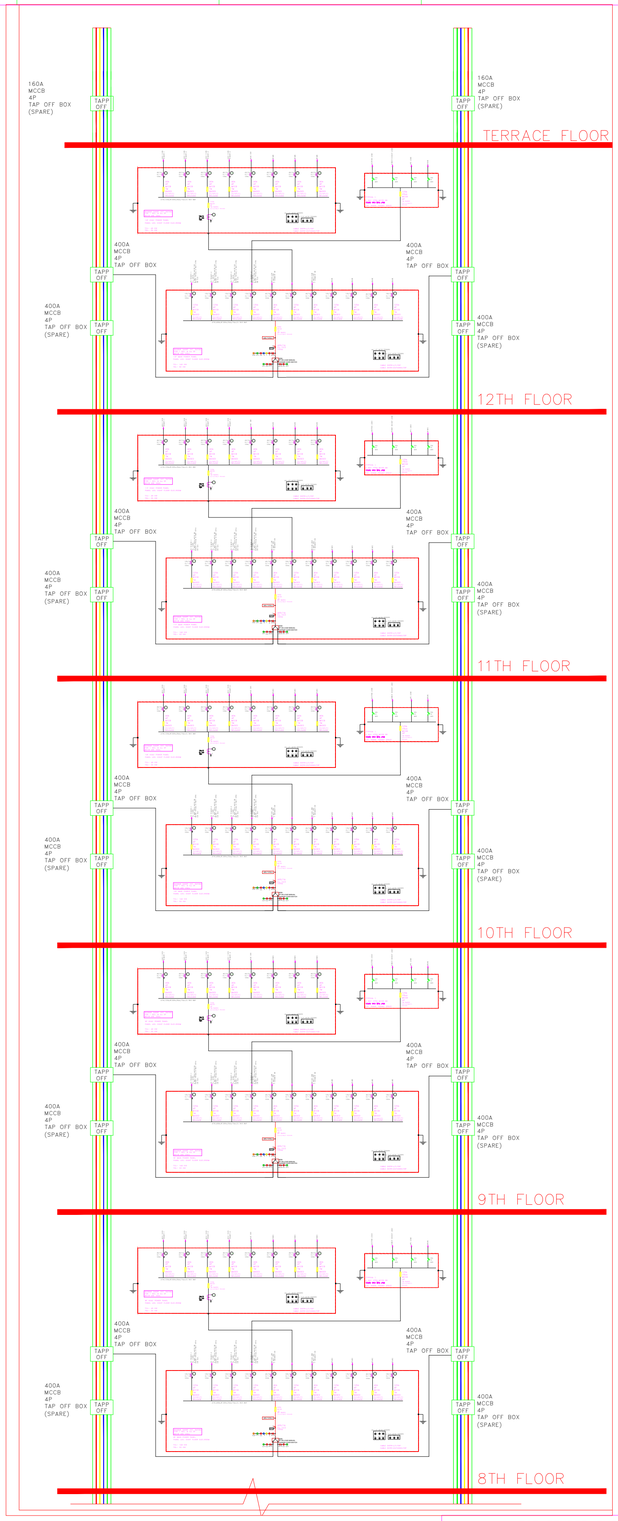
FILE NAME: F-091-Rev-R1.dwg

TITLE: TIDEL PARK MADURAI
DETAILED SINGLE LINE DIAGRAM (Sheet 3 of 4)

DWG NO: TCE.13417A-EL-4002-AU-40103







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59	OVER VOLTAGE RELAY
67	AC DIRECTIONAL OVER CURRENT RELAY
81	FREQUENCY RELAY
80	FLOW SWITCH
51	AC TIME OVER CURRENT RELAY
46	PHASE BALANCE CURRENT RELAY
50	INSTANTANEOUS OVER CURRENT RELAY
50N	INSTANTANEOUS EARTH FAULT RELAY
86	LOCKING OUT RELAY
49	TRANSFORMER THERMAL RELAY
32	DIRECTIONAL POWER RELAY
67N	UNDER VOLTAGE RELAY
51N	INVERSE TIME EARTH FAULT RELAY
51SN	STANDBY INVERSE TIME EARTH FAULT RELAY
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52BF	AC CIRCUIT BREAKER
94	TRIP FREE RELAY
95	TRIP CIRCUIT HEALTHY
74	ALARM RELAY
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ELDB	EMERGENCY LIGHTING DISTRIBUTIONBOARD
CPDB	COMMON POWER DISTRIBUTION BOARD
UPDB	UPS POWER DISTRIBUTION BOARD
HVAC DB	VENTILATION DISTRIBUTION BOARD
APFCR	ELEMATIC POWER FACTOR CONTROLLER
LDB	LIGHTING DISTRIBUTION BOARD
LOC. ISO	LOCAL ISOLATION
VTPN DB	VERTICAL TPN DISTRIBUTION BOARD
MFM	MULTIFUNCTION METER(DIGITAL)
SPD	SURGE PROTECTION DEVICE
I/C	INCOMER
L	LOCAL
T	TRIP
UPS	UN-INTERRUPTED POWER SUPPLY
ISF	INSTRUMENT SAFETY FACTOR
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	LEGENDS:
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER
MCCB	MOULDED CASE CIRCUITBREAKER (MCCB)
MPCB	MOTOR PROTECTION CIRCUIT BREAKER(MPCB)
	MINIATURE CIRCUIT BREAKER
	3ø SUPPLY INDICATION LAMPS: R-RED, Y-YELLOW, B-BLUE
	CABLE TERMINATION
	DRAWOUT TYPE FEEDER
	DOL CONTACTOR STARTER WITH PROTECTIVE DEVICE
	STAR-DELTA STARTER WITH PROTECTIVE DEVICE
	LED TYPE INDICATING LAMP R-RED,G-GREEN,A-AMBER, ON, OFF, TRIP
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	VACUUM CIRCUIT BREAKER
	KILO WATT HOUR METER
A	AMMETER
V	VOLTMETER
	AMMETER SELECTOR SWITCH
	VOLTMETER SELECTOR SWITCH
	RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERLOAD PROTECTION

	SIGN.													
R1	INITIALS													
	REVISIONS													
R0	SIGN.													
	INITIALS	SBP	SBP	AM	--	--	--	--	--	--	--	AM	AM	24-07-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC		PL	PE/PM	APPD	DATE DD-MM-YYY
					CLEARED									

FOR TENDER PURPOSE:

DO NOT SCALE

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CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TIDEL PARK MADURAI

DETAILED SINGLE LINE DIAGRAM (Sheet 3 of 4)

SCALE : AS INDICATED

DC & DISC : MUM-EL

DWG NO. TCE.13417A-EL-4002-AU-40103

ISSUE R0

FILE NAME : TCE.13417A-EL-4002-AU-40103

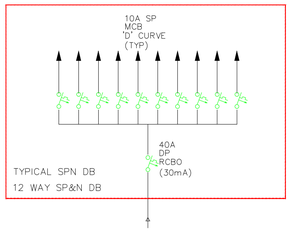
TCE FORM NO. 091 R1

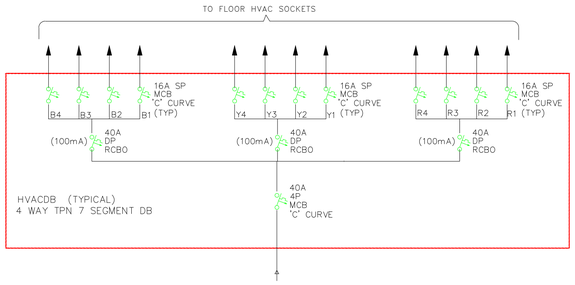
SIZE-A1

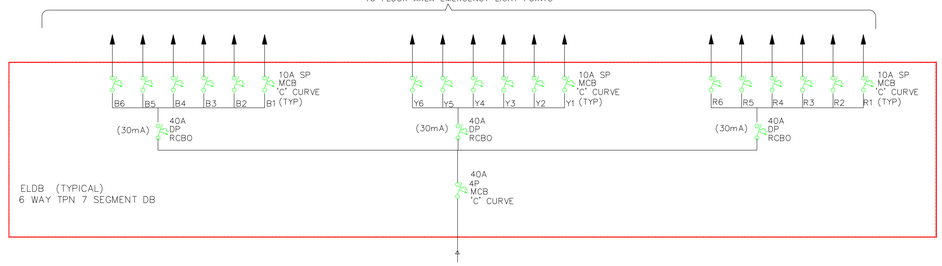
FILE NAME: F-091-Rev-R1.dwg

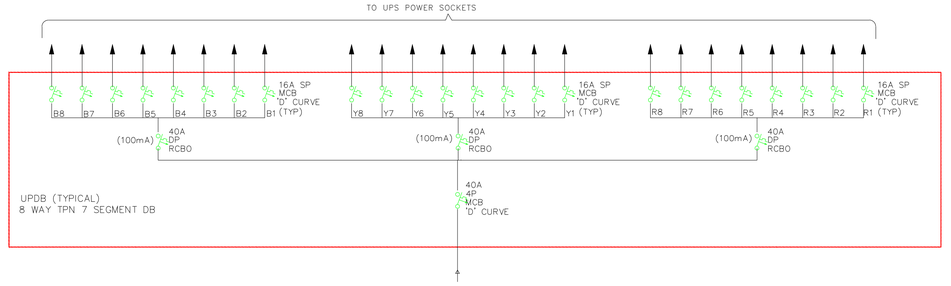
TITLE: TIDEL PARK MADURAI
DETAILED SINGLE LINE DIAGRAM (Sheet 4 of 4)

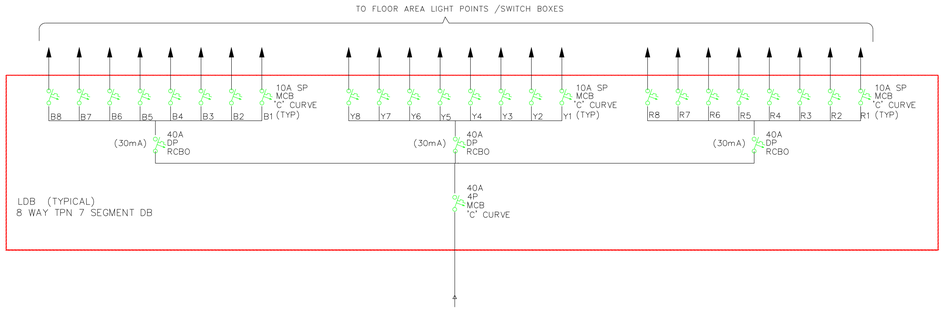
DWG NO: TCE.13417A-EL-4002-AU-40104

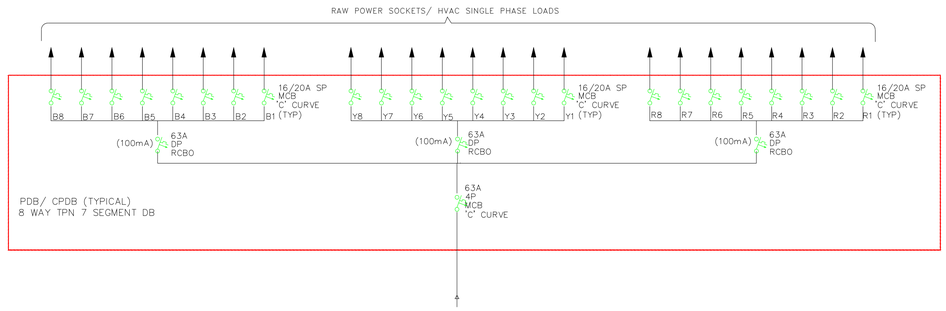












TYPICAL DISTRIBUTION BOARD DETAILS

1. ALL PANELS SHALL BE DESIGNED FOR AMBIENT TEMPERATURE OF 45°C.
2. ALL THE ACB BREAKERS SHALL HAVE ISOLATED/TEST/SERVICE POSITIONS WITH THE DOOR INTERLOCKING MECHANISM.
3. ALL MCCBs RATED UPTO 200A SHALL BE TMA BASED. 200A & ABOVE SHALL BE MICROPROCESSOR BASED (OC+EF+SC). E/F RELEASE SHALL BE INBUILT WITH MCCB. EXTERNAL E/F RELEASE IS NOT ACCEPTABLE.
4. MCCB's SHALL BE USED UPTO 630A. ACB's SHALL BE USED ABOVE630A.
5. PROTECTIVE DEVICES FOR ALL MOTOR FEEDERS SHALL BE AS PER TYPE-2 CO-ORDINATION CHART.
6. STARTER MODULE FOR MPCB FEEDERS SHALL CONTAIN CONTACTOR ONLY. THE OVERLOAD RELAY SHALL BE INBUILT FEATURE OF MPCB. STARTER FEEDERS SHALL COMPLETE WITH ALL REQUIRED AUX CONTACTORS, REALAYS ETC.
7. ALL OLR SHALL HAVE SINGLE PHASING PREVENTOR AS IN-BUILT.
8. ALL CONTACTORS SHALL BE OF AC3 DUTY.
9. CABLES SHALL BE XLPE INSULATED, PVC INNER AND FRLS PVC OUTER SHEATHED, ARMOURED CABLE.
10. CT, PT & CONTROL TRANSFORMER BURDEN INDICATED ARE TENTATIVE, VENDOR HAS TO BE DECIDE THE RATING AS PER THE ACTUAL REQUIREMENTS.
11. MOTOR FEEDERS > 30kW SHALL BE PROVIDED WITH 240V SUPPLY WITH INTERLOCK TO MOTOR SPACE HEATER.
12. MOTOR FEEDERS UPTO 5.5kW SHALL BE PROVIDED WITH DOL STARTERS, ABOVE 5.5kW SHALL BE PROVIDED WITH STAR DELTA STARTERS.
13. ON/OFF/TRIP/R/Y/B INDICATION SHALL BE PROVIDED FOR ALL FLOOR MOUNTED PANELS MCCB INCOMER, FOR OUT GOING MCCB FEEDERS ON/OFF/TRIP INDICATION SHALL BE PROVIDED. ALL ACB FEEDERS SHALL BE PROVIDED WITH FOLLOWING INDICATIONS: ON,OFF, TRIP,CHLSPRING CHARGED, SERVICE, TEST & DC FAILURE.
14. FOR LT INDOOR PANELS IP-42 SHALL BE PROVIDED & OUT DOOR PANELS IP-55 SHALL BE PROVIDED.
15. FOR ALL FEEDERS WHERE MORE THAN ONE INCOMERS ARE SHOWN BIDDERS TO CONSIDER NECESSARY LVM, CONTACTORS,AUXILIARY RELAYS, ETC REQUIRED FOR AUTO TRANSFER OF SOURCES.
16. ALL ACBs SHALL BE PROVIDED WITH MICROPROCESSOR BASED NUMERIC RELEASES FOR OVERLOAD SHORT CIRCUIT AND EARTH FAULT PROTECTION,WITH SELF DIAGNOSTIC & COMMUNICATION FEATURE.
17. FOR LV SWITCHGEAR WHERE ELECTRICAL INTERLOCK IS ENVISAGED, INCOMER & BUSCOUPLER RELEASES SHALL BE SUITABLE FOR AUTO CLOSURE i.E. NO FAULT SIGNAL OUTPUT SHALL BE PROVIDED.
18. ALL UPS DB SHALL BE WITH D CURVE MCB AND WORKSTATION RCBO SHALL BE WITH HI TYPE WITH ENCLOSURE.
19. ALL FLOOR MOUNTED PANELS SHALL BE WITH BASE FRAME
20. THE CABLE SIZES INDICATED IN THE DRAWING ARE INDICATIVE ONLY. THE FINAL CABLE SIZE SHALL BE BASED ON APPROVED CABLE SCHEDULE.
21. FOR LT PANELS SPACE HEATER SUPPLY, AUXILIARY AC SUPPLY SHALL BE TAPPED FROM INCOMER.
22. ON/OFF/TRIP STATUS OF ALL THE BREAKERS(VCB/ACB/MCCB/MCB/MPCB/RCBO) AND METER PARAMETER FROM EACH PANEL TO BE PROVIDED THROUGH MODBUS IP OUTPUT / ETHERNET OUTPUT FOR BMS CONNECTIVITY AS PER BMS ARCHITECTURE.
23. THE RATING INDICATED IN THE SLD IS INDICATIVE ONLY THE VENDOR HAS TO SELECT AND FINALISE THE SUITABLE RATING OF PROTECTIVE DEVICE BASED ON THE DISCRIMINATION REPORT DURING DETAILED ENGINEERING STAGE WITHOUT ANY PRICE IMPLICATION.IF ANY BREAKER RATING IS CHANGED AS PER DISCRIMINATION STUDY THE SAME SHALL BE UPGRADED WITHOUT ANY COMMERCIAL IMPLICATION.VENDOR TO CONSIDER THE COST ACCORDINGLY FOR MOTOR FEEDERS ALL PROTECTIVE DEVICE RATING SHALL BE AS PER TYPE-2 CO-ORDINATION CHART.
24. ANNUNCIATOR DETAILS INDICATED (NUMBER OF WINDOW) IS INDICATIVE ONLY. THE FINAL CONFIGURATION/DETAILS SHALL BE FINALIZED DURING DETAILED ENGINEERING STAGE. THE CONTRACTOR HAS TO DO THE NECESSARY CHANGES WITHOUT ANY COMMERCIAL IMPLICATION.
25. NEUTRAL BUS OF ALL TPN/4P PANELS SHALL BE 100% RATED AND FOR ALL TP+2N PANELS THE SAME SHALL BE RATED 200%.
26. DIGITAL MULTIFUNCTION METER (MFM) SHALL BE PROVIDED WITH (BUT NOT LIMITED TO) FOLLOWING METERING FEATURES CURRENT, VOLTAGE, FREQUENCY, ENERGY (KWH), MD (KW/KVA), PF, KVAH, KVAR, KVARH, V THD, I THD, ETC.
27. DG SWITCHGEAR PANEL SHALL BE PROVIDED WITH 'R', 'Y', 'B' INDICATION LAMPS, LAMP TEST PUSH BUTTON, EMERGENCY TRIP PUSH BUTTON, AUTO/MANUAL & LOCAL/REMOTE, VOLTAGE RAISE/LOW, SPEED RAISE/LOW SELECTOR SWITCH, W HEREVER TWO OR MORE NUMBER OF DGs ARE CONNECTED TO DG SWITCHGEAR CUM AMF PANEL, NEUTRAL CONTACTOR 'ON' & 'OFF' INDICATION LAMPS SHALL BE CONSIDERED FOR EACH INCOMER,EMERGENCY TRIP PUSH BUTTON SHALL BE MUSHROOM TYPE WITH LOCKABLE KEY.
28. VA BURDENS OF CTs/PTs AS INDICATED IN SLD SHALL BE CONSIDERED AS MINIMUM REQUIRED. VENDOR TO FINALISE BASED ON METERING/PROTECTION SELECTED. BACKUP CALCULATIONS TO BE SUBMITTED FOR REFERENCE.
29. ALL PANEL SHALL HAVE TOP CABLE ENTRY/EXIT FOR POWER/CONTROL CABLES.
30. ALL PROTECTION RELAY SHALL BE NUMERICAL TYPE AND SHALL BE SUPPLIED WITH LATEST VERSION SOFTWARE AND HARDWARE WITHOUT ANY EXTRA COST, IT SHOULD BE POSSIBLE TO SET RELAY, VIEW FAULT PARAMETERS, DOWNLOAD INFORMATION FROM RELAY TO COMPUTER CONNECTED SYSTEM.
31. ADAPTER BOX SHALL BE PROVIDED INCLUDING PROTECTION CTs AS SHOWN IN SLD.
32. 20% SPARE TERMINALS TO BE PROVIDED FOR EACH TERMINAL STRIP FOR EACH PANEL.
33. STUD TYPE TERMINALS AND RING TYPE LUGS SHALL BE USED FOR CONTROL CABLES.
34. PANEL ILLUMINATION LAMP 7 W/9 W LED LAMP WITH FIXTURE SHALL BE PROVIDED WITH DOOR LIMIT S/W.
35. ALL PANELS SHALL BE PROVIDED WITH 5/15A, 5 PIN SOCKET WITH MCB & PLUG SHALL BE PROVIDED INSIDE INCOMER. THERMOSTAT SHALL ALSO BE PROVIDED FOR EACH FEEDER.

	RELAYS:
27	UNDER VOLTAGE RELAY
59	OVER VOLTAGE RELAY
67	AC DIRECTIONAL OVER CURRENT RELAY
81	FREQUENCY RELAY
80	FLOW SWITCH
51	AC TIME OVER CURRENT RELAY
46	PHASE BALANCE CURRENT RELAY
50	INSTANTANEOUS OVER CURRENT RELAY
50N	INSTANTANEOUS EARTH FAULT RELAY
86	LOCKING OUT RELAY
49	TRANSFORMER THERMAL RELAY
32	DIRECTIONAL POWER RELAY
67N	UNDER VOLTAGE RELAY
51N	INVERSE TIME EARTH FAULT RELAY
51SN	STANDBY INVERSE TIME EARTH FAULT RELAY
40	FIELD RELAY
52BF	AC CIRCUIT BREAKER
94	TRIP FREE RELAY
95	TRIP CIRCUIT HEALTHY
74	ALARM RELAY
64	RESTRICTED EARTH FAULT RELAY
87T	TRANSFORMER DIFFER. PROTECTION RELAY
64	RESTRICTED EARTH FAULT RELAY

	ABBREVIATIONS:
(S)	STANDBY
(W)	WORKING/OPERATING
CLDB	COMMON LIGHTING DISTRIBUTION BOARD
ELDB	EMERGENCY LIGHTING DISTRIBUTIONBOARD
CPDB	COMMON POWER DISTRIBUTION BOARD
UPDB	UPS POWER DISTRIBUTION BOARD
HVAC DB	VENTILATION DISTRIBUTION BOARD
APFCR	ELEMATIC POWER FACTOR CONTROLLER
LDB	LIGHTING DISTRIBUTION BOARD
LOC. ISO	LOCAL ISOLATION
VTPN DB	VERTICAL TPN DISTRIBUTION BOARD
MFM	MULTIFUNCTION METER(DIGITAL)
SPD	SURGE PROTECTION DEVICE
I/C	INCOMER
L	LOCAL
T	TRIP
UPS	UN-INTERRUPTED POWER SUPPLY
ISF	INSTRUMENT SAFETY FACTOR
A	ALARM
PDB	POWER DISTRIBUTION BOARD

	LEGENDS:
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER
MCCB	MOULDED CASE CIRCUITBREAKER (MCCB)
MPCB	MOTOR PROTECTION CIRCUIT BREAKER(MPCB)
	MINIATURE CIRCUIT BREAKER
	3ø SUPPLY INDICATION LAMPS: R-RED, Y-YELLOW, B-BLUE
	CABLE TERMINATION
	DRAWOUT TYPE FEEDER
	DOL CONTACTOR STARTER WITH PROTECTIVE DEVICE
	STAR-DELTA STARTER WITH PROTECTIVE DEVICE
	LED TYPE INDICATING LAMP R-RED,G-GREEN,A-AMBER, ON, OFF, TRIP
	AIR CIRCUIT BREAKER
	MOTORISED MOULDED CASE CIRCUITBREAKER (MCCB)
	VACUUM CIRCUIT BREAKER
kWH	KILO WATT HOUR METER
A	AMMETER
V	VOLTMETER
	AMMETER SELECTOR SWITCH
	VOLTMETER SELECTOR SWITCH
	RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERLOAD PROTECTION

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	INITIALS													
	REVISIONS													
R0	SIGN.													
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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC		PL	PE/PM	APPD	DATE DD-MM-YYY
		CLEARED												

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ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TIDEL PARK MADURAI

DETAILED SINGLE LINE DIAGRAM (Sheet 4 of 4)

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FILE NAME : TCE.13417A-EL-4002-AU-40104

SCALE : AS INDICATED

DC & DISC : MUM-EL

DWG NO. TCE.13417A-EL-4002-AU-40104

ISSUE R0

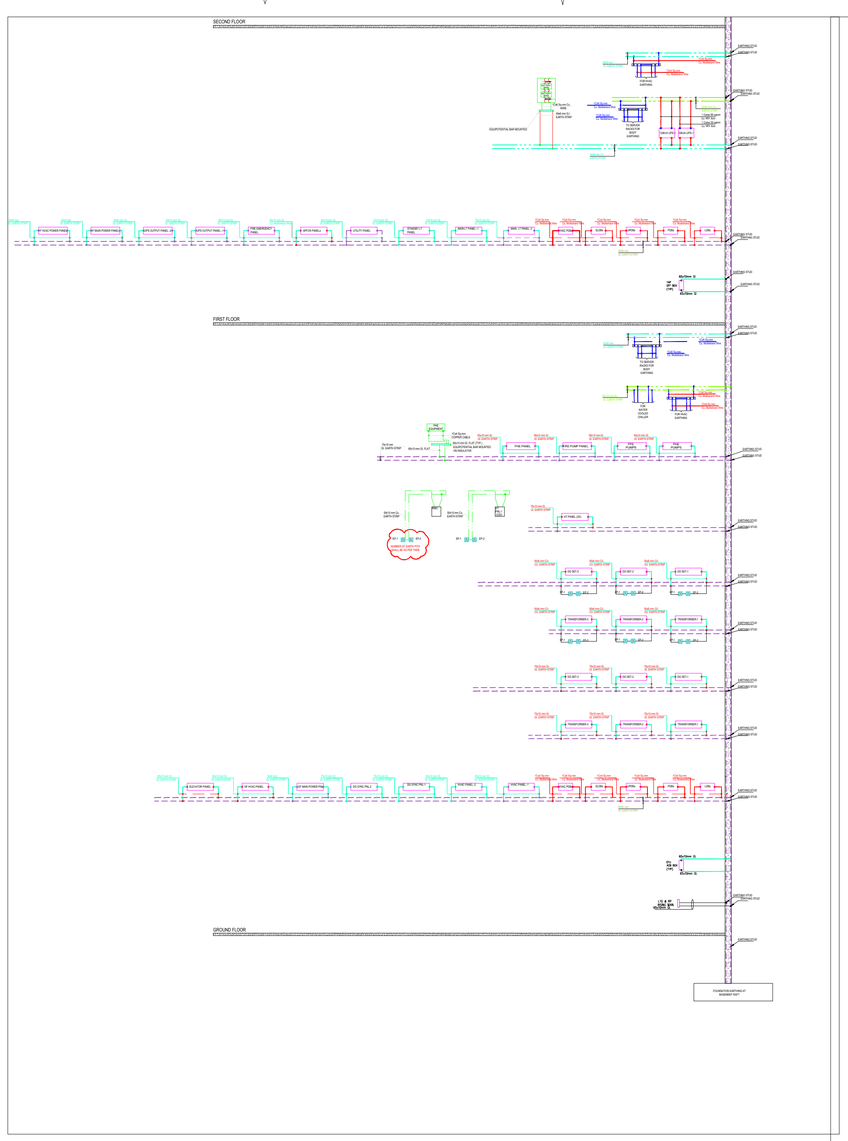
SIZE-A1

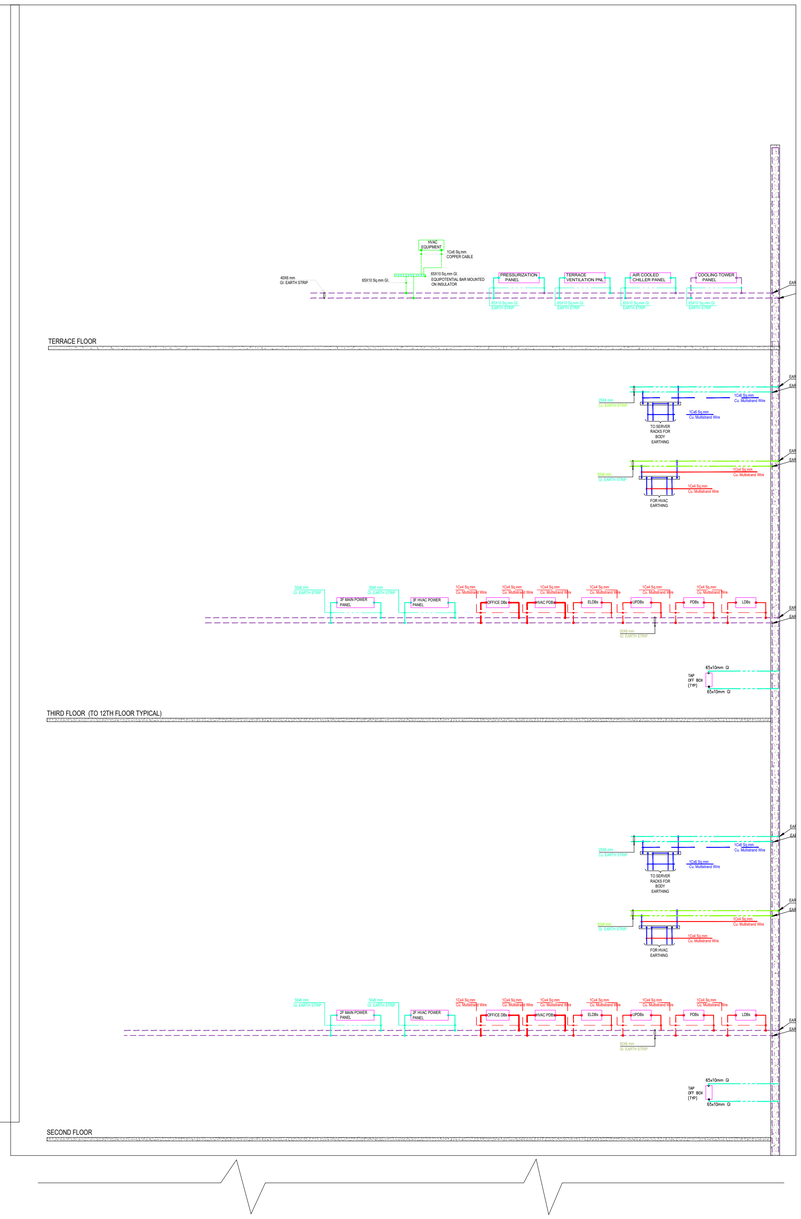
FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

TITLE: EARTHING SCHEMATIC LAYOUT

DWG NO: TCE.13417A-EL-4002-AU-40105





KEYPLAN
(NTS)

NOTES

1. WHETHER SPECIFICALLY SHOWN IN THIS DWG. OR NOT, ALL MOTORS, CABLE TERMINAL BOXES, LOCAL PUSH BUTTON STATIONS, FIELD SWITCHES, SOLENOID VALVES, MOTORISED VALVES, JUNCTION BOXES, CONTROL PANELS, MONORAILS, HANDRAILS, LIGHTING PANELS, RECEPTACLES, CABLE TRAYS, STEEL STRUCTURES, ETC. SHALL BE EARTHED WITH CONDUCTOR SIZE AS INDICATED IN TABLE.
2. WHILE LOCATING ROD EARTH ELECTRODES / TREATED TEST PITS, SPECIAL CARE SHALL BE TAKEN TO AVOID INTERFERANCE WITH PIPING ETC. AND TO HAVE A DISTANCE OF ATLEAST 6.0m BETWEEN THE ELECTRODES.
3. ALL JOINTS IN EARTHING CONDUCTORS SHALL BE OF WELDED TYPE & CONNECTIONS WITH EQUIPMENT/STRUCTURES WILL BE BOLTED TYPE.
4. CONDUCTOR EMBEDDED IN CONCRETE SLAB SHALL HAVE A MINIMUM OF 50mm CONCRETE COVER.
5. THE EARTHING CONDUCTORS ON DIFFERENT FLOORS SHALL BE INTER CONNECTED TO EACH OTHER THROUGH THE DOWN CONDUCTORS GOING FROM TOPMOST FLOOR TO THE GROUND LEVEL. THESE WILL BE CONNECTED TO THE EARTHING MAT.
6. CABLE TRAYS, STEEL PIPES, CONDUITS, STEEL COLUMN ETC. SHALL NOT BE USED AS EARTH CONTINUITY CONDUCTOR.
7. 25x3MM. GS FLAT SHALL BE RUN IN CABLE TRAY RISERS FOR TRAY EARTHING.
8. FOR CABLE TRAY EARTHING THE EARTHING CONDUCTOR SHALL BE RUN IN THE BOTTOM MOST TRAY AND SHALL BE INTERCONNECTED WITH ALL TIERS AT EVERY 2.5M INTERVAL THROUGH 25x3MM GS FLAT. THE CABLE TRAY SHALL BE GROUNDED AT A MIN. OF TWO POINTS AND IN ADDITION AT 20M INTERVAL THROUGH 25x6MM GS FLAT FOR LONGER LENGTH.
9. ALL THE FLOOR LEVEL GRIDS SHALL BE CONNECTED TO MAIN EARTHING GRID USING RISING-UP CONDUCTORS.
10. EARTHING PADS FOR EXHAUST FAN & BUS DUCT SHALL BE CONNECTED TO ABOVE FLOOR MAIN EARTHING CONDUCTOR.
11. CENTRE LINE OF EARTHING PADS SHALL BE LOCATED AT 500mm FROM THE FLOOR UNLESS NOTED OTHERWISE.
12. WALL OPENINGS AND SLEEVES SHALL BE SEALED WITH BITUMIN COMPOUND AFTER CONDUCTOR LAYING.
13. EXPOSED PORTION OF THE PIPE IN THE PIT TO BE COATED WITH ZINC-RICH PAINT.
14. FOR PIPE ELECTRODES, WATERING ARRANGEMENT SHALL BE PROVIDED AS DESCRIBED IN IS3043.
15. IN CASE OF ROAD / PAVED AREA PIT SHALL BE FLUSHED WITH THE ROAD / PAVED AREA.
16. MAIN EARTHING CONDUCTORS SHALL BE BURIED IN EARTH AROUND EACH BUILDING AT A DISTANCE OF 1500 MM FROM THE OUTER BOUNDARY OF THE BUILDING.
17. EARTHING CONDUCTORS CROSSING THE ROAD SHALL BE EITHER INSTALLED IN HUME PIPES OR LAID AT GREATER DEPTH TO SUIT THE SITE CONDITIONS.
18. LA'S EARTHING ARRANGEMENT SHALL BE FOLLOWED AS PER IEC & OEM STANDARD

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CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED, MUMBAI

TITLE: EARTHING SCHEMATIC LAYOUT

FOR TENDER PURPOSE

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FILE NAME : TCE.13417A-EL-4002-AU-40105

SCALE : NTS	DWG NO. TCE.13417A-EL-4002-AU-40105	ISSUE R0
DC & DISC : MUM-EL		

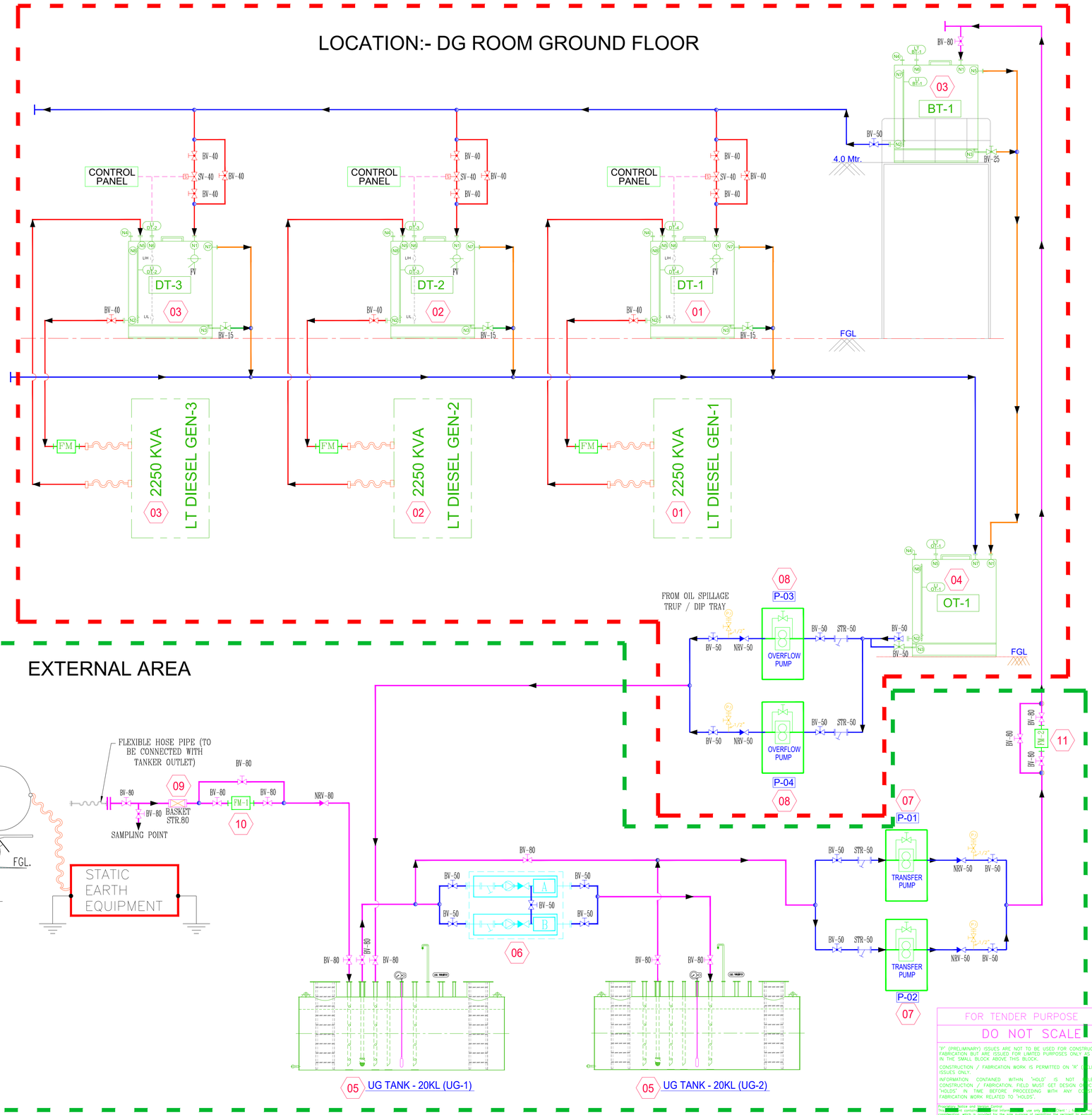
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

DWG NO: TCE.13417A-EL-4002-AU-40106

TITLE: FUEL SYSTEM SCHEMATIC



LEGEND

	ISOLATION VALVE (BALL VALVE)
	NON-RETURN VALVE
	SIMPLEX FILTER
	HOSE
	Y-TYPE STRAINER
S	SOLENOID VALVE ALWAYS CLOSED
PI	PRESSURE INDICATOR
FM	FLOW METER
	PUMP
	FOOT VALVE
	80ø FUEL PIPE
	50ø FUEL PIPE
	40ø FUEL PIPE
	25ø FUEL PIPE
	15ø FUEL PIPE

TAGS

LI	LEVEL INDICATOR
LS	LEVEL SWITCH
LT	LEVEL TRANSMITTER
PI	PRESSURE INDICATOR
LAL	LEVEL ALARM LOW
LAH	LEVEL ALARM HIGH
FM	FLOW METER
FV	FOOT VALVE

NOTES:-

1) ALL FUEL PIPES SHOULD BE PRESSURE TESTED UP TO 1.5 TIMES THE WORKING PRESSURE.
2) ALL PIPES TO BE ACID PICKLED & FLUSHED BEFORE COMMISSIONING.

EQUIPMENT LIST

SR. NO.	DESCRIPTION	CODE NO.	QTY	REMARKS
1	DIESEL ENGINE	GEN-1 TO GEN-3	3NOS	2250KVA.
2	FUEL DAY TANK	DT-1 TO DT-3	3NOS.	990Ltrs.
3	BUFFER TANK	BT-1	1NO.	990Ltrs.
4	OVERFLOW TANK	OT-1	1NO.	990Ltrs.
5	UNDER GROUND STORAGE TANK	UG-1 & UG-2	2NOS.	20KL
6	HSD SEPARATOR / CENTRIFUGE SYSTEM	A & B (1 W + 1 S)	2NOS.	1W+1S
7	FUEL TRANSFER PUMP (MODEL: RDRX 300S)	P-01 & P-02	2NOS.	1W+1S
8	FUEL OVERFLOW PUMP (MODEL: RDRX 150S)	P-03 & P-04	2NOS.	1W+1S
9	BASKET TYPE STRAINER	STR	1NO.	80NB
10	FLOW METER	FM-1	1NO.	80NB
11	FLOW METER	FM-2	1NO.	50NB

MATERIAL TAKEOFF SHEET

SR. NO	SYMBOL	DESCRIPTION
01		ISOLATION VALVE (BALL VALVE)
02		NON-RETURN VALVE
03	S	SOLENOID VALVE ALWAYS CLOSED
04		Y-TYPE STRAINER
05	FM	FLOW METER

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	SIGN.	INITIALS	REVISIONS											
R0	SIGN.	INITIALS	SBP	NNP	AM							AM	AM	24-07-2024
ISSUE			DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
						CLEARED									

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

FUEL SYSTEM SCHEMATIC

SCALE : NTS	DWG NO.	ISSUE
DC & DISC: MUM-EL	TCE.13417A-EL-4002-AU-40106	R0

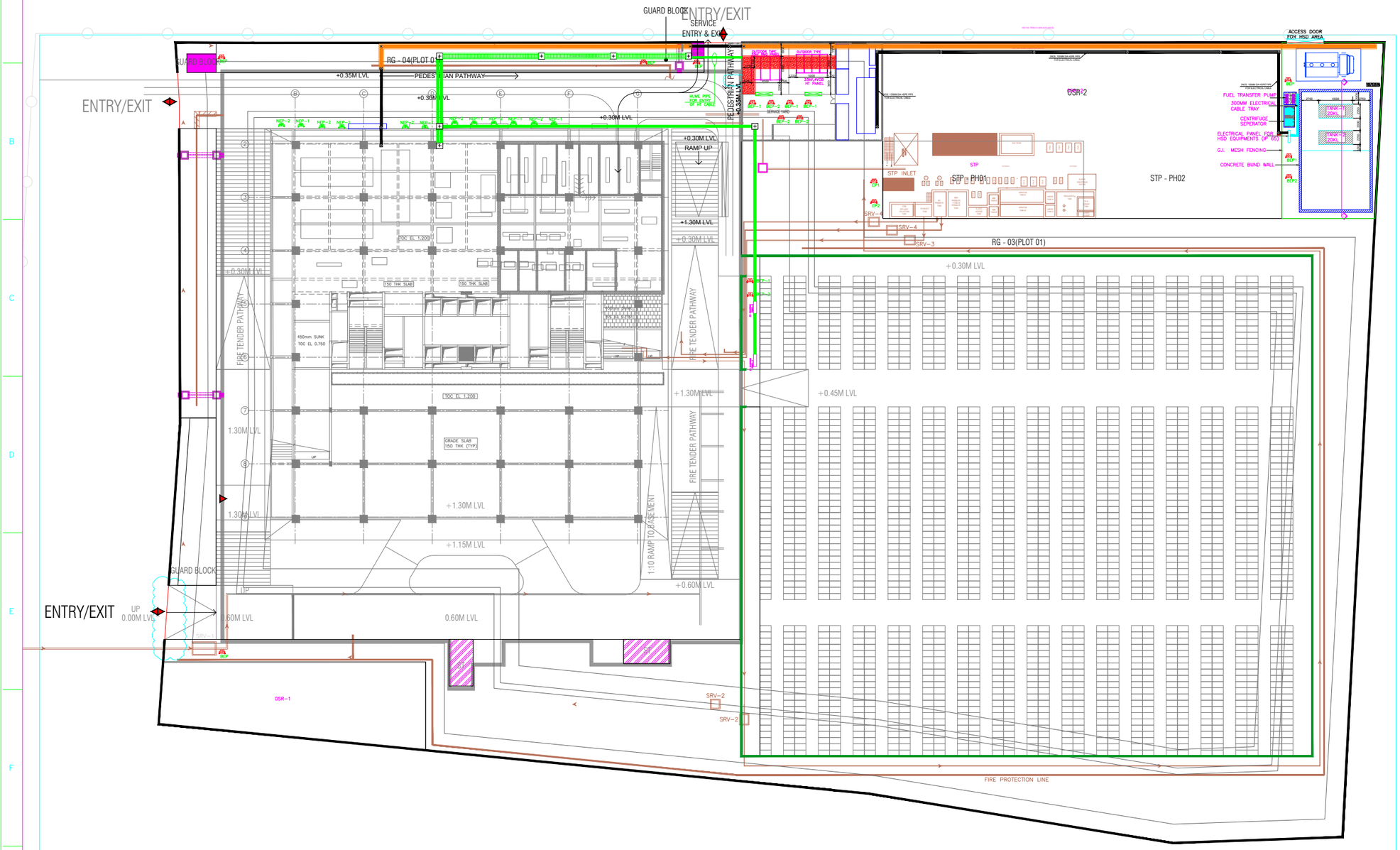
FILE NAME: F-091-Rev-R1.dwg

SIZE-A1

TCE FORM NO. 091 R1

TITLE: MASTER PLAN WITH EXTERNAL ELECTRICAL SERVICES LAYOUT (Sheet 1)

DWG NO TCE.13417A-EL-4026-GL-40107



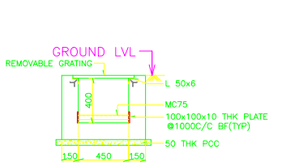
KEYPLAN
(NTS)

LEGEND:–

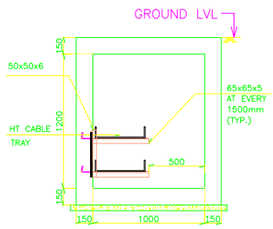
Sr.No.	SYMBOL	DESCRIPTION
1.		HSD FUEL PIPE LINE TRENCH
2.		ELECTRICAL CABLE TRENCH
2.		HT CABLE TRENCH
3.		NEUTRAL EARTH PIT
4.		BODY EARTHPIT
5		ELECTRICAL CHAMBER
6		RCC HUME PIPE FOR ROAD & SERVICES CROSSING

NOTES:–

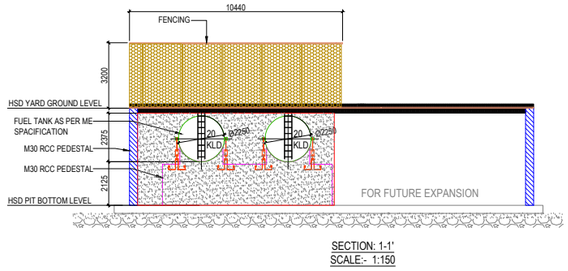
1. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE NOTED.
2. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
3. THE EARTH PIT REQUIREMENTS FOR RMG PANEL SHALL BE AS PER THE REQUIREMENTS OF LOCAL STATE ELECTRICITY BOARD



TYPICAL DETAILS OF FUEL TRENCH



TYPICAL DETAILS OF ELECTRICAL TRENCH



SECTION: 1-1'
SCALE:- 1:150

FOR TENDER PURPOSE

DO NOT SCALE

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FILE NAME : TCE.13417A-EL-4026-GL-40107

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	REVISIONS													
R0	SIGN.													
	INITIALS	ND	SBP	AM								AM	AM	24-07-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
					CLEARED									

CLIENT :

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PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:

MASTER PLAN WITH EXTERNAL ELECTRICAL SERVICES LAYOUT (Sheet 1)

SCALE : 1:350	DWG NO. TCE.13417A-EL-4026-GL-40107	ISSUE R0
DC & DISC: MUM-EL		

SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

TITLE: GF- LAYOUT- LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT

DWG NO: TCE.13417A-EL-4026-GL-40109

LIGHTING NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2a. ELECTRICAL WIRING INSTALLATION SHALL BE DONE AS PER IS 732– 2010
2b. LIGHTS CIRCUIT SHALL NOT HAVE MORE THAN A TOTAL OF 10 OF LIGHT POINTS OR A LOAD OF 800 WATTS, WHICHEVER IS LESS.
2c. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES, SWITCHBOARDS / DBS.
3. L+PDB SHALL BE WALL/COLUMN MOUNTED at 1200mm from FFL AND SHALL HAVE TOP ENTRY FOR INCOMING & OUTGOING CABLES.
4. SEPARATE CONDUIT SHALL BE PROVIDED FOR DIFFERENT PHASES. CONTRACTOR SHALL PREPARE CEILING CONDUIT PLAN BASED ON THIS LAYOUT AND APPROVAL SHALL BE TAKEN FROM TCE/CLIENT BEFORE INSTALLATION.
5. CONTRACTOR SHALL ENSURE EQUAL LOAD DISTRIBUTION ON ALL THREE PHASES. MAXIMUM LOAD ON SINGLE CIRCUIT SHALL NOT BE MORE THAN 800W. PHASE WIRES SHALL IDENTIFIED BY COLOURS (R–Y–B+N+E BY RED, YELLOW, BLUE, BLACK & GREEN).
6. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS/ CABLES, SWITCHBOARDS/ DB's
7. CONTRACTOR SHALL CO–ORDINATE WITH OTHER AGENCY DURING EXECUTION.
8. SAMPLE APPROVAL FOR ALL MATERIAL LIKE LIGHT FITTING, LIGHTING PANEL, & CABLE TERMINATION ETC. SHALL BE TAKEN FROM TCE/CLIENT BEFORE PROCUREMENT & INSTALLATION.
9. ALL THE INSTALLATION WORKS SHALL BE CARRIED OUT AS PER LATEST APPLICABLE STANDARDS, STATUTORY REGULATIONS & SAFETY CODES IN THE LOCALITY.
10. THIS DRAWING SHALL BE USED FOR LIGHTING &POWER PURPOSE ONLY. FOR DETAILS REGARDING DOORS, WINDOWS, REFER ARCHITECTURAL/CIVIL DRAWINGS
11. CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENT FOR MOUNTING OF LIGHT LUMINAIRES TO SUIT SITE CONDITIONS IN CONSULTATION WITH CLIENT/ ENGINEER IN CHARGE.
12 LOCATION OF DB'S, PANEL & LUMINAIRES SHOWN ARE FOR GUIDANCE ONLY. EXACT LOCATION SHALL BE FINALISED BY THE CONTRACTOR AS PER THE SUITABILITY IN CONSULTATION WITH CLIENT/TCE.
13 NO SURFACE CONDUITING SHALL BE DONE IN ANY AREA EXCEPT ABOVE FALSE CEILING

POWER NOTES:

1. THE LOCATION OF SWITCHBOARDS, RECEPTACLES SHOWN IS INDICATIVE. PRIOR APPROVAL SHALL BE TAKEN FROM SITE ENGINEER BEFORE INSTALLATION OF SWITCH BOARDS/ RECEPTACLES .
2. ALL UPS RECEPTACLE SUPPLIED FOR WORK STATION SHALL BE MOUNTED AS PER FURNITURE LAYOUT i.E. BELOW WORKSTATION TABLE RAW POWER RECEPTACLES SHALL BE MOUNTED AT 750 MM ABOVE FFL. RECEPTACLES FOR PROJECTOR SHALL BE MOUNTED AT TRUE CEILING. RECEPTACLE FOR HAND DRYER POINT SHALL BE MOUNTED AT 1200MM FROM FFL.IN OFFICE AREA THERE SHALL BE RACEWAYS FOR POWER & DATA CABLES RACEWAYS & JUNCTION BOX SHALL BE CO–ORDINATED WITH THE FURNITURE LAYOUT.
3. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES / WIRES.
4. SWITCHBOARDS TO BE FLUSHED IN FURNITURE , SHALL BE FIXED IN CONSULTATION WITH INTERIOR CONTRACTOR.
5. MINOR ALTERATIONS CAN BE CARRIED OUT IN LOCATION OF SWITCHBOARD, JUNCTION BOXES.TO SUIT SITE CONDITION.
6. THE CONTRACTOR SHALL ENSURE EQUAL LOAD DISTRIBUTION ON ALL THREE PHASES.
7. ALL THE INSTALLATION WORKS SHALL BE CARRIED OUT AS PER LATEST APPLICABLE STANDARDS, STATUTORY REGULATIONS & SAFETY CODES IN THE LOCALITY.
8. CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENT FOR MOUNTING OF SOCKET,SWITCH BOARS & SOCKET PANELS TO SUIT SITE CONDITIONS IN CONSULTATION WITH CLIENT / INTERIOR CONTRACTOR /FURNITURE CONTRACTOR.
9. FOR FINAL SIZES & ELEVATION OF CABLE TRAY CONTRACTOR SHALL COORDINATE WITH ALL MEP SERVICES.
10. ALL EQUIPMENT DIMENSIONS SHOWN IN LAYOUT ARE INDICATIVE . CONTRACTOR SHALL PREPARE THE SHOP DRAWINGS BASED ON THIS LAYOUT WITH ACTUAL VENDORS/EQUIPMENT DETAILS.

**NOTE :–
1) "GF–UPDB –XX"– CONSIDER SPARE CIRCUIT FROM GROUND FLOOR UPDB
1) "UGT–LPDB –XX"– CONSIDER SPARE CIRCUIT FROM GROUND FLOOR CLDB
1) "UGT–LPDB –XX"– CONSIDER SPARE CIRCUIT FROM GROUND FLOOR CPDB

KEYPLAN
(NTS)

SYMBOL	DESCRIPTION
	36/40W SURFACE MOUNTED LIGHT
	22W SURFACE MOUNTED LIGHT
	26W LINEAR PENDANT LUMINAIRE-(LENGTH-4 FEET)
	26W LED BATTEN -IP65-(LENGTH-4 FEET)
	10W LED BULKHEAD FITTING
	20W RECESSED MOUNTED LED DOWNLIGHTER
	100 W SURFACE MOUNTED DOWNLIGHTER
	18W SURFACE MOUNTED DOWNLIGHTER
	35W - DECORATIVE CIRCULAR LIGHT
	15W SURFACE MOUNTED DOWN LIGHT
	SENSOR
2P,16A, 250 VOLTS	1,2,3,4,6,8 -MODULE SWITCH BOARD

SYMBOL	DESCRIPTION
	6A SWITCH SOCKET (UPS POWER)
	6A SWITCH SOCKET (RAW POWER)
	6/16A SWITCH SOCKET (UPS POWER)
2NOS	2NOS. OF 6A SOCKET CONTROLLED BY 16A SWITCH (UPS POWER)
	20A SWITCH SOCKET (UPS POWER)
	6/16A SWITCH SOCKET (RAW POWER)
	6A SOCKET IN CEILING (UPS POWER)
	EV CHARGING POINT FOR BIKE AND CAR
	20A SWITCH SOCKET (RAW POWER)
	32A, 230V 2POLE+EARTH METAL CLAD INDUSTRIAL TYPEPLUG & SOCKET CONTROLLED BY 20A FP 'D' CURVEMCB FOR UPS POWER APPLICATIONS
	6A SOCKET FOR AC UNIT
	6/16A SWITCH SOCKET FOR AC UNIT (RAW POWER)
	300MM(W)x38MM(H), ELECTRICAL RACEWAY
	225MM(W)x38MM(H), ELECTRICAL RACEWAY
	100MM(W)x38MM(H), ELECTRICAL RACEWAY
	350MM(L)x350MM(W) FLOOR JUNCTION BOX
	250MM(L)x250MM(W) FLOOR JUNCTION BOX
	150MM(L)x150MM(W) FLOOR JUNCTION BOX

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	REVISIONS													
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	INITIALS	ND	SBP	AM								AM	AM	24-07-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD–MM–YYY
					CLEARED									

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
GF- LAYOUT-
LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT

FOR TENDER PURPOSE

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FILE NAME : TCE.13417A-EL-4026-GL-40109

SCALE : 1:200
DC & DISC : MUM-EL

DWG NO. TCE.13417A-EL-4026-GL-40109
ISSUE R0

SIZE–A1

FILE NAME: F–091–Rev–R1.dwg

TCE FORM NO. 091 R1

TITLE: GROUND FLOOR - LIGHTING & POWER LAVOUT WITH LOOPING LAVOUT

DWG NO: TCE.13417A-EL-4026-GL-40115

1 GROUND FLOOR LAYOUT
1 : 150

LIGHTING NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2a. ELECTRICAL WIRING INSTALLATION SHALL BE DONE AS PER IS 732– 2010
2b. LIGHTS CIRCUIT SHALL NOT HAVE MORE THAN A TOTAL OF 10 OF LIGHT POINTS OR A LOAD OF 800 WATTS, WHICHEVER IS LESS.
2c. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES, SWITCHBOARDS / DBS.
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N

KEYPLAN
(NTS)

LEGEND:–

SYMBOL	DESCRIPTION
	36/40W SURFACE MOUNTED LIGHT
	22W SURFACE MOUNTED LIGHT
	26W LINEAR PENDANT LUMINAIRE-(LENGTH-4 FEET)
	26W LED BATTEN -IP65-(LENGTH-4 FEET)
	10W LED BULKHEAD FITTING
	20W RECESSED MOUNTED LED DOWNLIGHTER
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	18W SURFACE MOUNTED DOWNLIGHTER
	35W - DECORATIVE CIRCULAR LIGHT
	15W SURFACE MOUNTED DOWN LIGHT
	SENSOR
	1,2,3,4,6,8 -MODULE SWITCH BOARD

SYMBOL	DESCRIPTION
	6A SWITCH SOCKET (UPS POWER)
	6A SWITCH SOCKET (RAW POWER)
	6/16A SWITCH SOCKET (UPS POWER)
	2NOS. OF 6A SOCKET CONTROLLED BY 16A SWITCH (UPS POWER)
	20A SWITCH SOCKET (UPS POWER)
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	6A SOCKET IN CEILING (UPS POWER)
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	350MM(L)x350MM(W) FLOOR JUNCTION BOX
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	150MM(L)x150MM(W) FLOOR JUNCTION BOX

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					CLEARED									

CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED, MUMBAI

TITLE: GROUND FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT

SCALE : 1:150 | DC & DISC: MUM-EL | DWG NO. TCE.13417A-EL-4026-GL-40115 | ISSUE R0 | SIZE-A1

FOR TENDER PURPOSE

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FILE NAME : TCE.13417A-EL-4026-GL-40115

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

TCE.13417A-EL-4026-GL-40117

DWG NO.

FIRST FLOOR - LIGHTING & POWER LAYOUT
WITH LOOPING LAYOUT

TITLE:

FIRST FLOOR LAYOUT

1 : 150

LIGHTING NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2a. ELECTRICAL WIRING INSTALLATION SHALL BE DONE AS PER IS 732- 2010
2b. LIGHTS CIRCUIT SHALL NOT HAVE MORE THAN A TOTAL OF 10 OF LIGHT POINTS OR A LOAD OF 800 WATTS, WHICHEVER IS LESS.
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7. ALL THE INSTALLATION WORKS SHALL BE CARRIED OUT AS PER LATEST APPLICABLE STANDARDS, STATUTORY REGULATIONS & SAFETY CODES IN THE LOCALITY.
8. CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENT FOR MOUNTING OF SOCKET,SWITCH BOARS & SOCKET PANELS TO SUIT SITE CONDITIONS IN CONSULTATION WITH CLIENT / INTERIOR CONTRACTOR /FURNITURE CONTRACTOR.
9. FOR FINAL SIZES & ELEVATION OF CABLE TRAY CONTRACTOR SHALL COORDINATE WITH ALL MEP SERVICES.
10. ALL EQUIPMENT DIMENSIONS SHOWN IN LAYOUT ARE INDICATIVE . CONTRACTOR SHALL PREPARE THE SHOP DRAWINGS BASED ON THIS LAYOUT WITH ACTUAL VENDORS/EQUIPMENT DETAILS.

N

KEYPLAN
(NTS)

LEGEND:-

SYMBOL	DESCRIPTION
	36/40W SURFACE MOUNTED LIGHT
	22W SURFACE MOUNTED LIGHT
	26W LINEAR PENDANT LUMINAIRE-(LENGTH-4 FEET)
	26W LED BATTEN -IP65-(LENGTH-4 FEET)
	10W LED BULKHEAD FITTING
	20W RECESSED MOUNTED LED DOWNLIGHTER
	100 W SURFACE MOUNTED DOWNLIGHTER
	18W SURFACE MOUNTED DOWNLIGHTER
	35W - DECORATIVE CIRCULAR LIGHT
	15W SURFACE MOUNTED DOWN LIGHT
	SENSOR
	1,2,3,4,6,8 -MODULE SWITCH BOARD

SYMBOL	DESCRIPTION
	6A SWITCH SOCKET (UPS POWER)
	6A SWITCH SOCKET (RAW POWER)
	6/16A SWITCH SOCKET (UPS POWER)
	2NOS. OF 6A SOCKET CONTROLLED BY 16A SWITCH (UPS POWER)
	20A SWITCH SOCKET (UPS POWER)
	6/16A SWITCH SOCKET (RAW POWER)
	6A SOCKET IN CEILING (UPS POWER)
	EV CHARGING POINT FOR BIKE AND CAR
	20A SWITCH SOCKET (RAW POWER)
	32A, 230V 2POLE+EARTH METAL CLAD INDUSTRIAL TYPEPLUG & SOCKET CONTROLLED BY 20A FP 'D' CURVEMCB FOR UPS POWER APPLICATIONS
	6A SOCKET FOR AC UNIT
	6/16A SWITCH SOCKET FOR AC UNIT (RAW POWER)
	300MM(W)x38MM(H), ELECTRICAL RACEWAY
	225MM(W)x38MM(H), ELECTRICAL RACEWAY
	100MM(W)x38MM(H), ELECTRICAL RACEWAY
	350MM(L)x350MM(W) FLOOR JUNCTION BOX
	250MM(L)x250MM(W) FLOOR JUNCTION BOX
	150MM(L)x150MM(W) FLOOR JUNCTION BOX

	SIGN. / INITIALS													
	REVISIONS													
R0	SIGN. / INITIALS	ND	SBP	AM								AM	AM	24-07-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
					CLEARED									

CLIENT :

TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

FOR TENDER PURPOSE

DO NOT SCALE

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FILE NAME : TCE.13417A-EL-4026-GL-40117

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

FIRST FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT

SCALE : 1:150

DC & DISC : MUM-EL

DWG NO. **TCE.13417A-EL-4026-GL-40117**

ISSUE R0

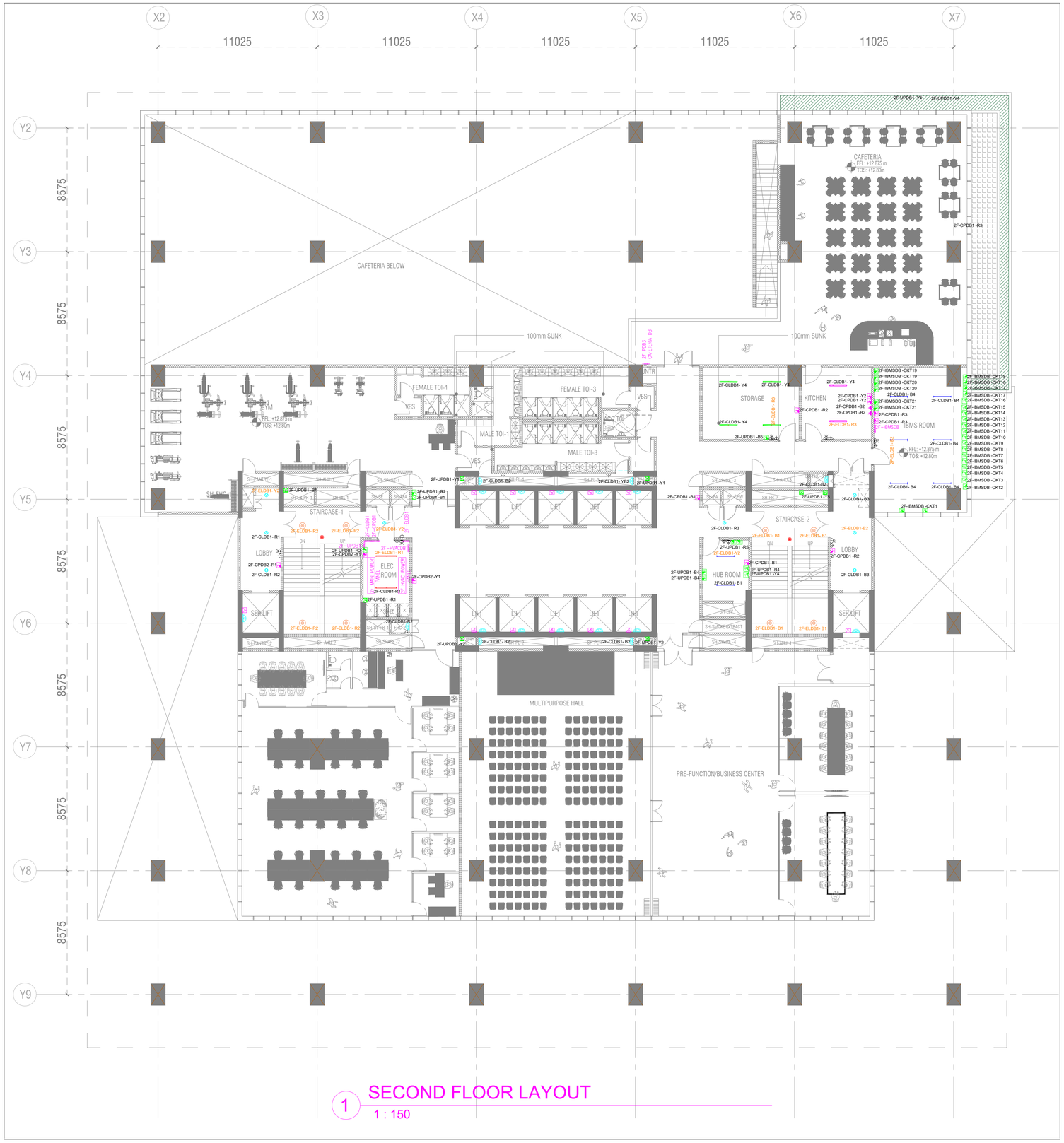
TCE FORM NO. 091 R1

SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TITLE: SECOND FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT

DWG NO: TCE.13417A-EL-4026-GL-40119



1 SECOND FLOOR LAYOUT

1 : 150

LIGHTING NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2a. ELECTRICAL WIRING INSTALLATION SHALL BE DONE AS PER IS 732– 2010
2b. LIGHTS CIRCUIT SHALL NOT HAVE MORE THAN A TOTAL OF 10 OF LIGHT POINTS OR A LOAD OF 800 WATTS, WHICHEVER IS LESS.
2c. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES, SWITCHBOARDS / DBS.
3. L+PDB SHALL BE WALL/COLUMN MOUNTED at 1200mm from FFL AND SHALL HAVE TOP ENTRY FOR INCOMING & OUTGOING CABLES.
4. SEPARATE CONDUIT SHALL BE PROVIDED FOR DIFFERENT PHASES. CONTRACTOR SHALL PREPARE CEILING CONDUIT PLAN BASED ON THIS LAYOUT AND APPROVAL SHALL BE TAKEN FROM TCE/CLIENT BEFORE INSTALLATION.
5. CONTRACTOR SHALL ENSURE EQUAL LOAD DISTRIBUTION ON ALL THREE PHASES. MAXIMUM LOAD ON SINGLE CIRCUIT SHALL NOT BE MORE THAN 800W. PHASE WIRES SHALL IDENTIFIED BY COLOURS (R–Y–B+N+E BY RED, YELLOW, BLUE, BLACK & GREEN).
6. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS/ CABLES, SWITCHBOARDS/ DB's
7. CONTRACTOR SHALL CO–ORDINATE WITH OTHER AGENCY DURING EXECUTION.
8. SAMPLE APPROVAL FOR ALL MATERIAL LIKE LIGHT FITTING, LIGHTING PANEL, & CABLE TERMINATION ETC. SHALL BE TAKEN FROM TCE/CLIENT BEFORE PROCUREMENT & INSTALLATION.
9. ALL THE INSTALLATION WORKS SHALL BE CARRIED OUT AS PER LATEST APPLICABLE STANDARDS, STATUTORY REGULATIONS & SAFETY CODES IN THE LOCALITY.
10. THIS DRAWING SHALL BE USED FOR LIGHTING &POWER PURPOSE ONLY. FOR DETAILS REGARDING DOORS, WINDOWS, REFER ARCHITECTURAL/CIVIL DRAWINGS
11. CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENT FOR MOUNTING OF LIGHT LUMINAIRES TO SUIT SITE CONDITIONS IN CONSULTATION WITH CLIENT/ ENGINEER IN CHARGE.
12 LOCATION OF DB'S, PANEL & LUMINAIRES SHOWN ARE FOR GUIDANCE ONLY. EXACT LOCATION SHALL BE FINALISED BY THE CONTRACTOR AS PER THE SUITABILITY IN CONSULTATION WITH CLIENT/TCE.
13 NO SURFACE CONDUITING SHALL BE DONE IN ANY AREA EXCEPT ABOVE FALSE CEILING

POWER NOTES:

1. THE LOCATION OF SWITCHBOARDS, RECEPTACLES SHOWN IS INDICATIVE. PRIOR APPROVAL SHALL BE TAKEN FROM SITE ENGINEER BEFORE INSTALLATION OF SWITCH BOARDS/ RECEPTACLES .
2. ALL UPS RECEPTACLE SUPPLIED FOR WORK STATION SHALL BE MOUNTED AS PER FURNITURE LAYOUT I.E. BELOW WORKSTATION TABLE RAW POWER RECEPTACLES SHALL BE MOUNTED AT 750 MM ABOVE FFL. RECEPTACLES FOR PROJECTOR SHALL BE MOUNTED AT TRUE CEILING. RECEPTACLE FOR HAND DRYER POINT SHALL BE MOUNTED AT 1200MM FROM FFL.IN OFFICE AREA THERE SHALL BE RACEWAYS FOR POWER & DATA CABLES RACEWAYS & JUNCTION BOX SHALL BE CO–ORDINATED WITH THE FURNITURE LAYOUT.
3. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES / WIRES.
4. SWITCHBOARDS TO BE FLUSHED IN FURNITURE , SHALL BE FIXED IN CONSULTATION WITH INTERIOR CONTRACTOR.
5. MINOR ALTERATIONS CAN BE CARRIED OUT IN LOCATION OF SWITCHBOARD, JUNCTION BOXES.TO SUIT SITE CONDITION.
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N

KEYPLAN
(NTS)

LEGEND:–

SYMBOL	DESCRIPTION
	36/40W SURFACE MOUNTED LIGHT
	22W SURFACE MOUNTED LIGHT
	26W LINEAR PENDANT LUMINAIRE-(LENGTH-4 FEET)
	26W LED BATTEN -IP65-(LENGTH-4 FEET)
	10W LED BULKHEAD FITTING
	20W RECESSED MOUNTED LED DOWNLIGHTER
	100 W SURFACE MOUNTED DOWNLIGHTER
	18W SURFACE MOUNTED DOWNLIGHTER
	35W - DECORATIVE CIRCULAR LIGHT
	15W SURFACE MOUNTED DOWN LIGHT
	SENSOR
	1,2,3,4,6,8 -MODULE SWITCH BOARD

SYMBOL	DESCRIPTION
	6A SWITCH SOCKET (UPS POWER)
	6A SWITCH SOCKET (RAW POWER)
	6/16A SWITCH SOCKET (UPS POWER)
2SOS	2NOS. OF 6A SOCKET CONTROLLED BY 16A SWITCH (UPS POWER)
	20A SWITCH SOCKET (UPS POWER)
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	225MM(W)×38MM(H), ELECTRICAL RACEWAY
	100MM(W)×38MM(H), ELECTRICAL RACEWAY
	350MM(L)×350MM(W) FLOOR JUNCTION BOX
	250MM(L)×250MM(W) FLOOR JUNCTION BOX
	150MM(L)×150MM(W) FLOOR JUNCTION BOX

NOTES: –

	SIGN.												
	INITIALS												
	REVISIONS												
R0	SIGN.												
	INITIALS	ND	SBP	AM							AM	AM	24-07-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD–MM–YYY
					CLEARED									

CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

FOR TENDER PURPOSE

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FILE NAME : TCE.13417A-EL-4026-GL-40119

ARCHITECT & JV PARTNER : EDIFICE

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE: SECOND FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT

SCALE : 1:150	DWG NO. TCE.13417A-EL-4026-GL-40119	ISSUE R0
DC & DISC: MUM-EL		

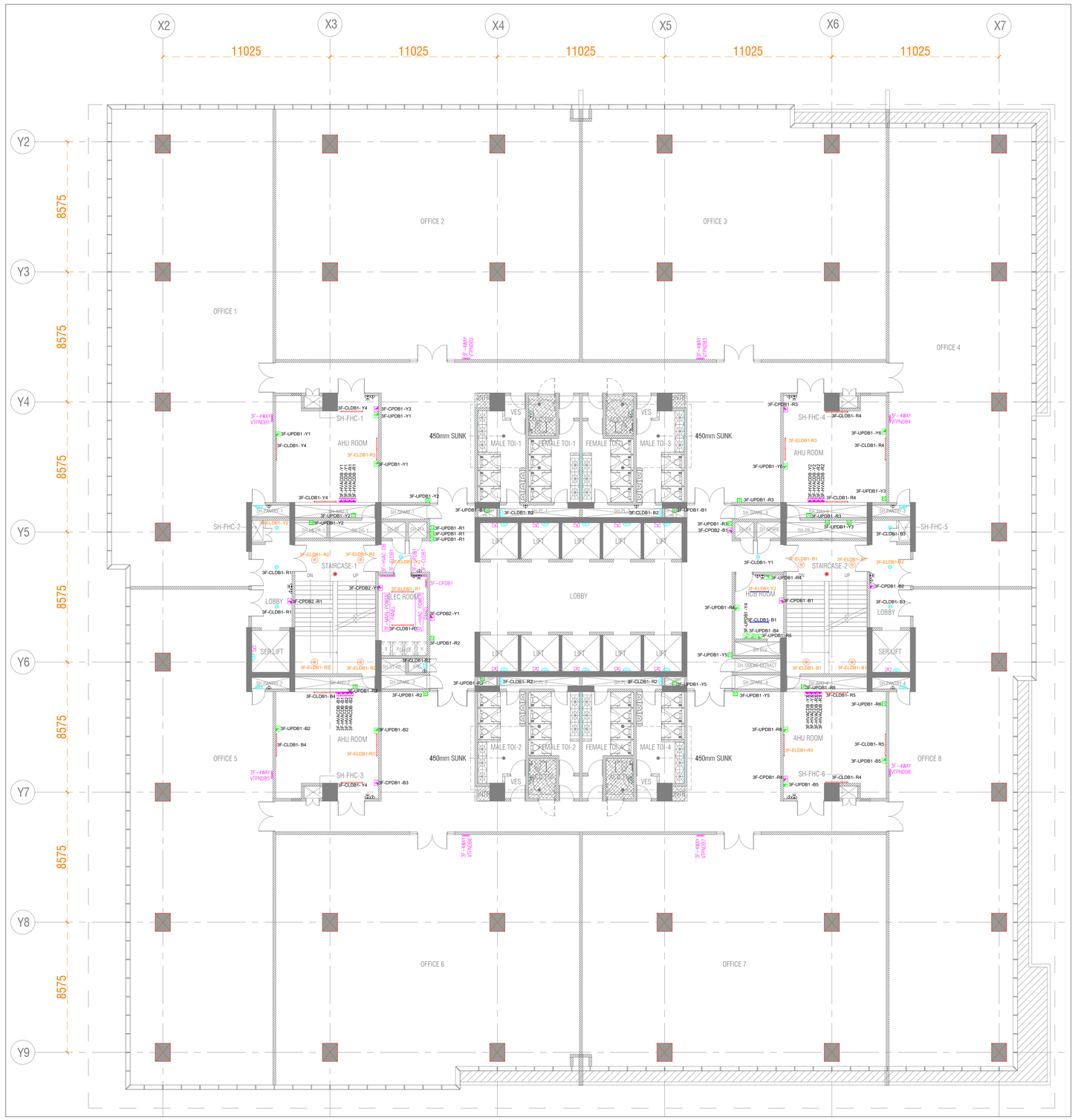
SIZE–A1

FILE NAME: F–091–Rev–R1.dwg

TCE FORM NO. 091 R1

TITLE: THIRD/ FOURTH/ SIXTH/ SEVENTH FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT

DWG NO: TCE.13417A-EL-4026-GL-40121



1 THIRD FLOOR LAYOUT

1 : 150

LIGHTING NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2a. ELECTRICAL WIRING INSTALLATION SHALL BE DONE AS PER IS 732– 2010
2b. LIGHTS CIRCUIT SHALL NOT HAVE MORE THAN A TOTAL OF 10 OF LIGHT POINTS OR A LOAD OF 800 WATTS, WHICHEVER IS LESS.
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N

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(NTS)

LEGEND:–

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	36/40W SURFACE MOUNTED LIGHT
	22W SURFACE MOUNTED LIGHT
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	10W LED BULKHEAD FITTING
	20W RECESSED MOUNTED LED DOWNLIGHTER
	100 W SURFACE MOUNTED DOWNLIGHTER
	18W SURFACE MOUNTED DOWNLIGHTER
	35W - DECORATIVE CIRCULAR LIGHT
	15W SURFACE MOUNTED DOWN LIGHT
	SENSOR
25 25 25	1,2,3,4,6,8 -MODULE SWITCH BOARD

SYMBOL	DESCRIPTION
	6A SWITCH SOCKET (UPS POWER)
	6A SWITCH SOCKET (RAW POWER)
	6/16A SWITCH SOCKET (UPS POWER)
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	6A SOCKET FOR AC UNIT
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	300MM(W)×38MM(H), ELECTRICAL RACEWAY
	225MM(W)×38MM(H), ELECTRICAL RACEWAY
	100MM(W)×38MM(H), ELECTRICAL RACEWAY
	350MM(L)×350MM(W) FLOOR JUNCTION BOX
	250MM(L)×250MM(W) FLOOR JUNCTION BOX
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	SIGN.														
	INITIALS														
	REVISIONS														
R0	SIGN.														
	INITIALS	ND	SBP	AM								AM	AM	24-07-2024	
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD–MM–YYY	
					CLEARED										

CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED, MUMBAI

TITLE: THIRD/ FOURTH/ SIXTH/ SEVENTH FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT

FOR TENDER PURPOSE

DO NOT SCALE

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FILE NAME : TCE.13417A-EL-4026-GL-40121	SCALE : 1:150	DWG NO. TCE.13417A-EL-4026-GL-40121	ISSUE R0
	DC & DISC : MUM-EL		

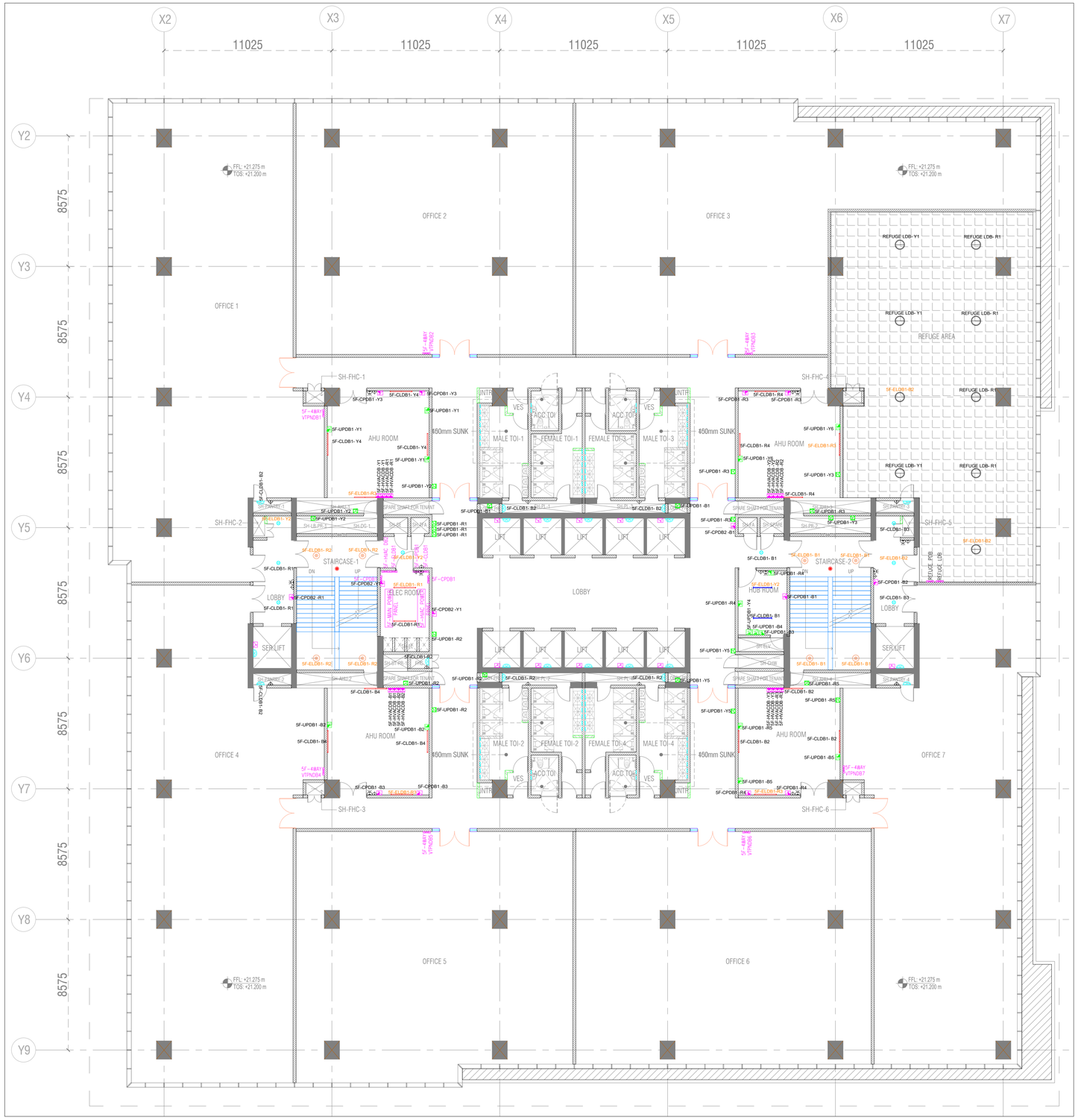
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

TITLE: FIFTH / NINTH (TYPICAL)-REFUGE FLOOR-LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT (Sheet 1 of 2)

DWG NO: TCE.13417A-EL-4026-GL-40125



1 REFUGE FLOOR LAYOUT

1 : 150

LIGHTING NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2a. ELECTRICAL WIRING INSTALLATION SHALL BE DONE AS PER IS 732– 2010
2b. LIGHTS CIRCUIT SHALL NOT HAVE MORE THAN A TOTAL OF 10 OF LIGHT POINTS OR A LOAD OF 800 WATTS, WHICHEVER IS LESS.
2c. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES, SWITCHBOARDS / DBS.
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2. ALL UPS RECEPTACLE SUPPLIED FOR WORK STATION SHALL BE MOUNTED AS PER FURNITURE LAYOUT I.E. BELOW WORKSTATION TABLE RAW POWER RECEPTACLES SHALL BE MOUNTED AT 750 MM ABOVE FFL. RECEPTACLES FOR PROJECTOR SHALL BE MOUNTED AT TRUE CEILING. RECEPTACLE FOR HAND DRYER POINT SHALL BE MOUNTED AT 1200MM FROM FFL.IN OFFICE AREA THERE SHALL BE RACEWAYS FOR POWER & DATA CABLES RACEWAYS & JUNCTION BOX SHALL BE CO–ORDINATED WITH THE FURNITURE LAYOUT.
3. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES / WIRES.
4. SWITCHBOARDS TO BE FLUSHED IN FURNITURE , SHALL BE FIXED IN CONSULTATION WITH INTERIOR CONTRACTOR.
5. MINOR ALTERATIONS CAN BE CARRIED OUT IN LOCATION OF SWITCHBOARD, JUNCTION BOXES.TO SUIT SITE CONDITION.
6. THE CONTRACTOR SHALL ENSURE EQUAL LOAD DISTRIBUTION ON ALL THREE PHASES.
7. ALL THE INSTALLATION WORKS SHALL BE CARRIED OUT AS PER LATEST APPLICABLE STANDARDS, STATUTORY REGULATIONS & SAFETY CODES IN THE LOCALITY.
8. CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENT FOR MOUNTING OF SOCKET,SWITCH BOARS & SOCKET PANELS TO SUIT SITE CONDITIONS IN CONSULTATION WITH CLIENT / INTERIOR CONTRACTOR /FURNITURE CONTRACTOR.
9. FOR FINAL SIZES & ELEVATION OF CABLE TRAY CONTRACTOR SHALL COORDINATE WITH ALL MEP SERVICES.
10. ALL EQUIPMENT DIMENSIONS SHOWN IN LAYOUT ARE INDICATIVE , CONTRACTOR SHALL PREPARE THE SHOP DRAWINGS BASED ON THIS LAYOUT WITH ACTUAL VENDORS/EQUIPMENT DETAILS.

N

KEYPLAN
(NTS)

LEGEND:–

SYMBOL	DESCRIPTION
	36/40W SURFACE MOUNTED LIGHT
	22W SURFACE MOUNTED LIGHT
	26W LINEAR PENDANT LUMINAIRE-(LENGTH-4 FEET)
	26W LED BATTEN -IP65-(LENGTH-4 FEET)
	10W LED BULKHEAD FITTING
	20W RECESSED MOUNTED LED DOWNLIGHTER
	100 W SURFACE MOUNTED DOWNLIGHTER
	18W SURFACE MOUNTED DOWNLIGHTER
	35W - DECORATIVE CIRCULAR LIGHT
	15W SURFACE MOUNTED DOWN LIGHT
	SENSOR
	1,2,3,4,6,8 -MODULE SWITCH BOARD

SYMBOL	DESCRIPTION
	6A SWITCH SOCKET (UPS POWER)
	6A SWITCH SOCKET (RAW POWER)
	6/16A SWITCH SOCKET (UPS POWER)
	2NOS. OF 6A SOCKET CONTROLLED BY 16A SWITCH (UPS POWER)
	20A SWITCH SOCKET (UPS POWER)
	6/16A SWITCH SOCKET (RAW POWER)
	6A SOCKET IN CEILING (UPS POWER)
	EV CHARGING POINT FOR BIKE AND CAR
	20A SWITCH SOCKET (RAW POWER)
	32A, 230V 2POLE+EARTH METAL CLAD INDUSTRIAL TYPEPLUG & SOCKET CONTROLLED BY 20A FP 'D' CURVEMCB FOR UPS POWER APPLICATIONS
	6A SOCKET FOR AC UNIT
	6/16A SWITCH SOCKET FOR AC UNIT (RAW POWER)
	300MM(W)×38MM(H), ELECTRICAL RACEWAY
	225MM(W)×38MM(H), ELECTRICAL RACEWAY
	100MM(W)×38MM(H), ELECTRICAL RACEWAY
	350MM(L)×350MM(W) FLOOR JUNCTION BOX
	250MM(L)×250MM(W) FLOOR JUNCTION BOX
	150MM(L)×150MM(W) FLOOR JUNCTION BOX

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	INITIALS													
	REVISIONS													
R0	SIGN.													
	INITIALS	ND	SBP	AM								AM	AM	24-07-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD–MM–YYY
					CLEARED									

FOR TENDER PURPOSE

DO NOT SCALE

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FILE NAME : TCE.13417A-EL-4026-GL-40125

CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED, MUMBAI

TITLE: FIFTH / NINTH (TYPICAL)-REFUGE FLOOR-LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT (Sheet 1 of 2)

SCALE : 1:150

DC & DISC: MUM-EL

DWG NO. TCE.13417A-EL-4026-GL-40125

ISSUE R0

SIZE–A1

FILE NAME: F-091-Rev-R1.dwg

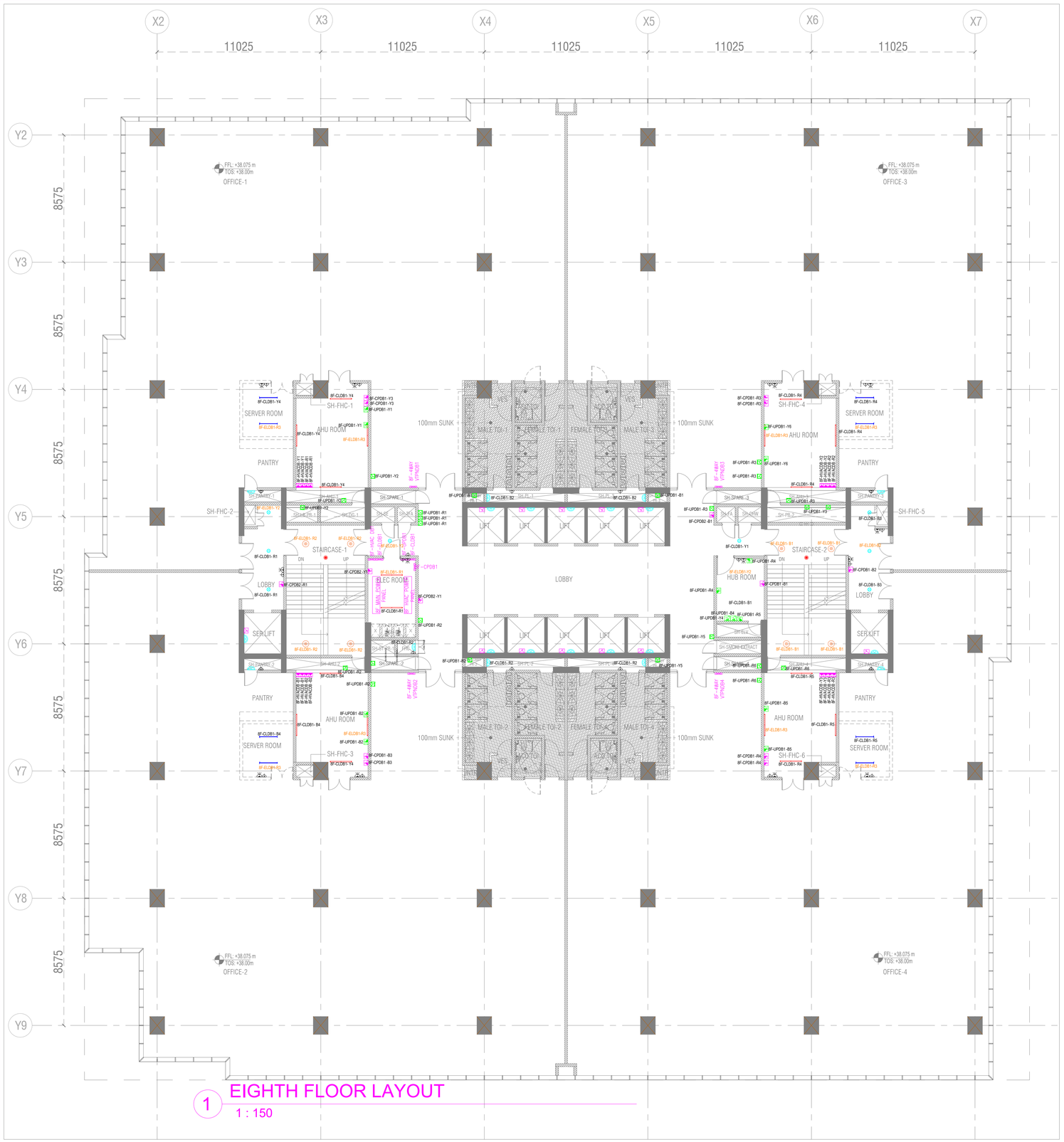
TCE FORM NO. 091 R1

TCE.13417A-EL-4026-GL-40131

DWG NO

EIGHTH/ TENTH / ELEVENTH/ TWELFTH FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT

TITLE:



1 EIGHTH FLOOR LAYOUT

1 : 150

LIGHTING NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2a. ELECTRICAL WIRING INSTALLATION SHALL BE DONE AS PER IS 732– 2010
2b. LIGHTS CIRCUIT SHALL NOT HAVE MORE THAN A TOTAL OF 10 OF LIGHT POINTS OR A LOAD OF 800 WATTS, WHICHEVER IS LESS.
2c. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES, SWITCHBOARDS / DBS.
3. L+PDB SHALL BE WALL/COLUMN MOUNTED at 1200mm from FFL AND SHALL HAVE TOP ENTRY FOR INCOMING & OUTGOING CABLES.
4. SEPARATE CONDUIT SHALL BE PROVIDED FOR DIFFERENT PHASES. CONTRACTOR SHALL PREPARE CEILING CONDUIT PLAN BASED ON THIS LAYOUT AND APPROVAL SHALL BE TAKEN FROM TCE/CLIENT BEFORE INSTALLATION.
5. CONTRACTOR SHALL ENSURE EQUAL LOAD DISTRIBUTION ON ALL THREE PHASES. MAXIMUM LOAD ON SINGLE CIRCUIT SHALL NOT BE MORE THAN 800W. PHASE WIRES SHALL IDENTIFIED BY COLOURS (R–Y–B+N+E BY RED, YELLOW, BLUE, BLACK & GREEN).
6. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS/ CABLES, SWITCHBOARDS/ DB's
7. CONTRACTOR SHALL CO–ORDINATE WITH OTHER AGENCY DURING EXECUTION.
8. SAMPLE APPROVAL FOR ALL MATERIAL LIKE LIGHT FITTING, LIGHTING PANEL, & CABLE TERMINATION ETC. SHALL BE TAKEN FROM TCE/CLIENT BEFORE PROCUREMENT & INSTALLATION.
9. ALL THE INSTALLATION WORKS SHALL BE CARRIED OUT AS PER LATEST APPLICABLE STANDARDS, STATUTORY REGULATIONS & SAFETY CODES IN THE LOCALITY.
10. THIS DRAWING SHALL BE USED FOR LIGHTING &POWER PURPOSE ONLY. FOR DETAILS REGARDING DOORS, WINDOWS, REFER ARCHITECTURAL/CIVIL DRAWINGS
11. CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENT FOR MOUNTING OF LIGHT LUMINAIRES TO SUIT SITE CONDITIONS IN CONSULTATION WITH CLIENT/ ENGINEER IN CHARGE.
12 LOCATION OF DB'S, PANEL & LUMINAIRES SHOWN ARE FOR GUIDANCE ONLY. EXACT LOCATION SHALL BE FINALISED BY THE CONTRACTOR AS PER THE SUITABILITY IN CONSULTATION WITH CLIENT/TCE.
13 NO SURFACE CONDUITING SHALL BE DONE IN ANY AREA EXCEPT ABOVE FALSE CEILING

POWER NOTES:

1. THE LOCATION OF SWITCHBOARDS, RECEPTACLES SHOWN IS INDICATIVE. PRIOR APPROVAL SHALL BE TAKEN FROM SITE ENGINEER BEFORE INSTALLATION OF SWITCH BOARDS/ RECEPTACLES .
2. ALL UPS RECEPTACLE SUPPLIED FOR WORK STATION SHALL BE MOUNTED AS PER FURNITURE LAYOUT I.E. BELOW WORKSTATION TABLE RAW POWER RECEPTACLES SHALL BE MOUNTED AT 750 MM ABOVE FFL. RECEPTACLES FOR PROJECTOR SHALL BE MOUNTED AT TRUE CEILING. RECEPTACLE FOR HAND DRYER POINT SHALL BE MOUNTED AT 1200MM FROM FFL.IN OFFICE AREA THERE SHALL BE RACEWAYS FOR POWER & DATA CABLES RACEWAYS & JUNCTION BOX SHALL BE CO–ORDINATED WITH THE FURNITURE LAYOUT.
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N

KEYPLAN

(NTS)

LEGEND:–

SYMBOL	DESCRIPTION
	36/40W SURFACE MOUNTED LIGHT
	22W SURFACE MOUNTED LIGHT
	26W LINEAR PENDANT LUMINAIRE-(LENGTH-4 FEET)
	26W LED BATTEN -IP65-(LENGTH-4 FEET)
	10W LED BULKHEAD FITTING
	20W RECESSED MOUNTED LED DOWNLIGHTER
	100 W SURFACE MOUNTED DOWNLIGHTER
	18W SURFACE MOUNTED DOWNLIGHTER
	35W - DECORATIVE CIRCULAR LIGHT
	15W SURFACE MOUNTED DOWN LIGHT
	SENSOR
	1,2,3,4,6,8 -MODULE SWITCH BOARD

SYMBOL	DESCRIPTION
	6A SWITCH SOCKET (UPS POWER)
	6A SWITCH SOCKET (RAW POWER)
	6/16A SWITCH SOCKET (UPS POWER)
	2NOS. OF 6A SOCKET CONTROLLED BY 16A SWITCH (UPS POWER)
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	6A SOCKET IN CEILING (UPS POWER)
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	300MM(W)×38MM(H), ELECTRICAL RACEWAY
	225MM(W)×38MM(H), ELECTRICAL RACEWAY
	100MM(W)×38MM(H), ELECTRICAL RACEWAY
	350MM(L)×350MM(W) FLOOR JUNCTION BOX
	250MM(L)×250MM(W) FLOOR JUNCTION BOX
	150MM(L)×150MM(W) FLOOR JUNCTION BOX

FOR TENDER PURPOSE

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FILE NAME : TCE.13417A-EL-4026-GL-40131

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	INITIALS	ND	SBP	AM								AM	AM	24-07-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD–MM–YYY
					CLEARED									

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

EIGHTH/ TENTH / ELEVENTH/ TWELFTH FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT

SCALE : 1:150	DWG NO.	TCE.13417A-EL-4026-GL-40131	ISSUE R0
DC & DISC : MUM-EL			

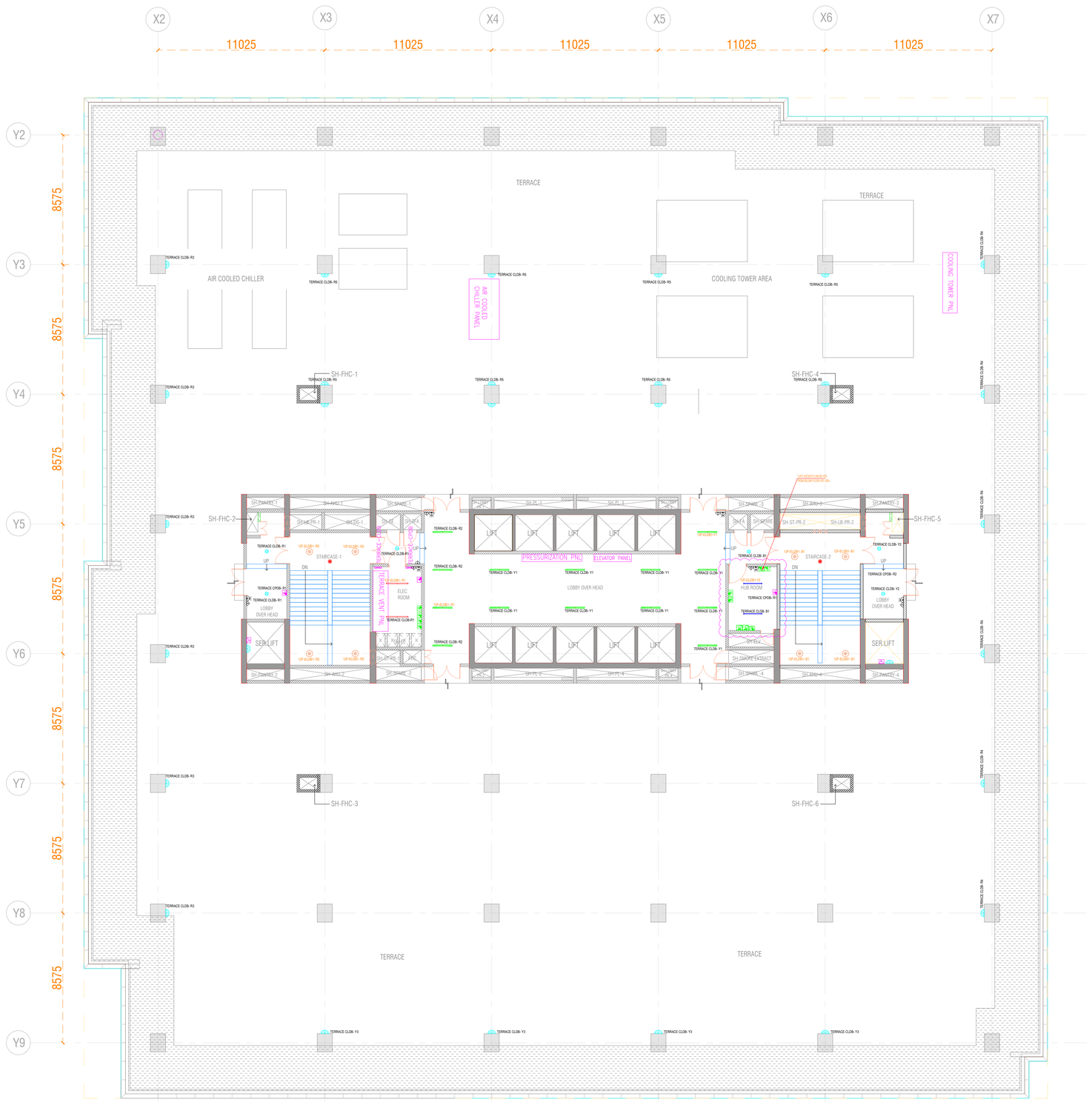
SIZE–A1

FILE NAME: F–091–Rev–R1.dwg

TCE FORM NO. 091 R1

TITLE: TERRACE FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT (Sheet 1 of 2)

DWG NO: TCE.13417A-EL-4026-GL-40141



TERRACE FLOOR LAYOUT

1 : 150

LIGHTING NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2a. ELECTRICAL WIRING INSTALLATION SHALL BE DONE AS PER IS 732– 2010
2b. LIGHTS CIRCUIT SHALL NOT HAVE MORE THAN A TOTAL OF 10 OF LIGHT POINTS OR A LOAD OF 800 WATTS, WHICHEVER IS LESS.
2c. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES, SWITCHBOARDS / DBS.
3. L+PDB SHALL BE WALL/COLUMN MOUNTED at 1200mm from FFL AND SHALL HAVE TOP ENTRY FOR INCOMING & OUTGOING CABLES.
4. SEPARATE CONDUIT SHALL BE PROVIDED FOR DIFFERENT PHASES. CONTRACTOR SHALL PREPARE CEILING CONDUIT PLAN BASED ON THIS LAYOUT AND APPROVAL SHALL BE TAKEN FROM TCE/CLIENT BEFORE INSTALLATION.
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N

KEYPLAN
(NTS)

LEGEND:–

SYMBOL	DESCRIPTION
	36/40W SURFACE MOUNTED LIGHT
	22W SURFACE MOUNTED LIGHT
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	26W LED BATTEN -IP65-(LENGTH-4 FEET)
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	20W RECESSED MOUNTED LED DOWNLIGHTER
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	35W - DECORATIVE CIRCULAR LIGHT
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	SENSOR
	1,2,3,4,6,8 -MODULE SWITCH BOARD

SYMBOL	DESCRIPTION
	6A SWITCH SOCKET (UPS POWER)
	6A SWITCH SOCKET (RAW POWER)
	6/16A SWITCH SOCKET (UPS POWER)
2P	2NOS. OF 6A SOCKET CONTROLLED BY 16A SWITCH (UPS POWER)
	20A SWITCH SOCKET (UPS POWER)
	6/16A SWITCH SOCKET (RAW POWER)
	6A SOCKET IN CEILING (UPS POWER)
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	32A, 230V 2POLE+EARTH METAL CLAD INDUSTRIAL TYPEPLUG & SOCKET CONTROLLED BY 20A FP 'D' CURVEMCB FOR UPS POWER APPLICATIONS
	6A SOCKET FOR AC UNIT
	6/16A SWITCH SOCKET FOR AC UNIT (RAW POWER)
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	100MM(W)x38MM(H), ELECTRICAL RACEWAY
	350MM(L)x350MM(W) FLOOR JUNCTION BOX
	250MM(L)x250MM(W) FLOOR JUNCTION BOX
	150MM(L)x150MM(W) FLOOR JUNCTION BOX

	SIGN.												
	INITIALS												
	REVISIONS												
R0	SIGN.												24-07-2024
	INITIALS	ND	SBP	AM							AM	AM	
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD–MM–YYY
					CLEARED									

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FILE NAME : TCE.13417A-EL-4026-GL-40141

CLIENT : TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER : EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC: TATA CONSULTING ENGINEERS LIMITED, MUMBAI

TITLE: TERRACE FLOOR - LIGHTING & POWER LAYOUT WITH LOOPING LAYOUT (Sheet 1 of 2)

SCALE	: 1:150	DWG NO.	TCE.13417A-EL-4026-GL-40141	ISSUE	R0
DC & DISC:	MUM-EL				

SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

TITLE: GROUND FLOOR - AT MEZZANINE LEVEL-LIGHTING & POWER LAYOUT

DWG NO: TCE.13417A-EL-4026-GL-40142

1 GROUND FLOOR LAYOUT
1 : 150

LIGHTING NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2a. ELECTRICAL WIRING INSTALLATION SHALL BE DONE AS PER IS 732– 2010
2b. LIGHTS CIRCUIT SHALL NOT HAVE MORE THAN A TOTAL OF 10 OF LIGHT POINTS OR A LOAD OF 800 WATTS, WHICHEVER IS LESS.
2c. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES, SWITCHBOARDS / DBS.
3. L+PDB SHALL BE WALL/COLUMN MOUNTED at 1200mm from FFL AND SHALL HAVE TOP ENTRY FOR INCOMING & OUTGOING CABLES.
4. SEPARATE CONDUIT SHALL BE PROVIDED FOR DIFFERENT PHASES. CONTRACTOR SHALL PREPARE CEILING CONDUIT PLAN BASED ON THIS LAYOUT AND APPROVAL SHALL BE TAKEN FROM TCE/CLIENT BEFORE INSTALLATION.
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POWER NOTES:-

1. THE LOCATION OF SWITCHBOARDS, RECEPTACLES SHOWN IS INDICATIVE. PRIOR APPROVAL SHALL BE TAKEN FROM SITE ENGINEER BEFORE INSTALLATION OF SWITCH BOARDS/ RECEPTACLES .
2. ALL UPS RECEPTACLE SUPPLIED FOR WORK STATION SHALL BE MOUNTED AS PER FURNITURE LAYOUT I.E. BELOW WORKSTATION TABLE RAW POWER RECEPTACLES SHALL BE MOUNTED AT 750 MM ABOVE FFL. RECEPTACLES FOR PROJECTOR SHALL BE MOUNTED AT TRUE CEILING. RECEPTACLE FOR HAND DRYER POINT SHALL BE MOUNTED AT 1200MM FROM FFL.IN OFFICE AREA THERE SHALL BE RACEWAYS FOR POWER & DATA CABLES RACEWAYS & JUNCTION BOX SHALL BE CO–ORDINATED WITH THE FURNITURE LAYOUT.
3. CONTRACTOR SHALL PUT IDENTIFICATION TAGS FOR MAIN CIRCUITS / CABLES / WIRES.
4. SWITCHBOARDS TO BE FLUSHED IN FURNITURE , SHALL BE FIXED IN CONSULTATION WITH INTERIOR CONTRACTOR.
5. MINOR ALTERATIONS CAN BE CARRIED OUT IN LOCATION OF SWITCHBOARD, JUNCTION BOXES TO SUIT SITE CONDITION.
6. THE CONTRACTOR SHALL ENSURE EQUAL LOAD DISTRIBUTION ON ALL THREE PHASES.
7. ALL THE INSTALLATION WORKS SHALL BE CARRIED OUT AS PER LATEST APPLICABLE STANDARDS, STATUTORY REGULATIONS & SAFETY CODES IN THE LOCALITY.
8. CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENT FOR MOUNTING OF SOCKET,SWITCH BOARS & SOCKET PANELS TO SUIT SITE CONDITIONS IN CONSULTATION WITH CLIENT / INTERIOR CONTRACTOR /FURNITURE CONTRACTOR.
9. FOR FINAL SIZES & ELEVATION OF CABLE TRAY CONTRACTOR SHALL COORDINATE WITH ALL MEP SERVICES.
10. ALL EQUIPMENT DIMENSIONS SHOWN IN LAYOUT ARE INDICATIVE , CONTRACTOR SHALL PREPARE THE SHOP DRAWINGS BASED ON THIS LAYOUT WITH ACTUAL VENDORS/EQUIPMENT DETAILS.

**NOTE :–
1) "GF–UPDB –XX"– CONSIDER SPARE CIRCUIT FROM GROUND FLOOR UPDB

N

KEYPLAN
(NTS)

LEGENDS:–

SYMBOL	DESCRIPTION
	36/40W SURFACE MOUNTED LIGHT
	22W SURFACE MOUNTED LIGHT
	26W LINEAR PENDANT LUMINAIRE-(LENGTH-4 FEET)
	26W LED BATTEN -IP65-(LENGTH-4 FEET)
	10W LED BULKHEAD FITTING
	20W RECESSED MOUNTED LED DOWNLIGHTER
	100 W SURFACE MOUNTED DOWNLIGHTER
	18W SURFACE MOUNTED DOWNLIGHTER
	35W - DECORATIVE CIRCULAR LIGHT
	15W SURFACE MOUNTED DOWN LIGHT
	SENSOR
	1,2,3,4,6,8 -MODULE SWITCH BOARD

LEGENDS:–

SYMBOL	DESCRIPTION
	6A SWITCH SOCKET (UPS POWER)
	6A SWITCH SOCKET (RAW POWER)
	6/16A SWITCH SOCKET (UPS POWER)
	2NOS. OF 6A SOCKET CONTROLLED BY 16A SWITCH (UPS POWER)
	20A SWITCH SOCKET (UPS POWER)
	6/16A SWITCH SOCKET (RAW POWER)
	6A SOCKET IN CEILING (UPS POWER)
	EV CHARGING POINT FOR BIKE AND CAR
	20A SWITCH SOCKET (RAW POWER)
	32A, 230V 2POLE+EARTH METAL CLAD INDUSTRIAL TYPEPLUG & SOCKET CONTROLLED BY 20A FP 'D' CURVEMCB FOR UPS POWER APPLICATIONS
	6A SOCKET FOR AC UNIT
	6/16A SWITCH SOCKET FOR AC UNIT (RAW POWER)
	300MM(W)x38MM(H), ELECTRICAL RACEWAY
	225MM(W)x38MM(H), ELECTRICAL RACEWAY
	100MM(W)x38MM(H), ELECTRICAL RACEWAY
	350MM(L)x350MM(W) FLOOR JUNCTION BOX
	250MM(L)x250MM(W) FLOOR JUNCTION BOX
	150MM(L)x150MM(W) FLOOR JUNCTION BOX

	SIGN. INITIALS												
	REVISIONS												
R0	SIGN. INITIALS	ND	SBP	AM							AM	AM	24-07-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD–MM–YYY
					CLEARED									

FOR TENDER PURPOSE

DO NOT SCALE

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FILE NAME : TCE.13417A–EL–4026–GL–40142

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
GROUND FLOOR -
AT MEZZANINE LEVEL-LIGHTING & POWER LAYOUT

SCALE : 1:150
DC & DISC: MUM-EL
DWG NO. TCE.13417A-EL-4026-GL-40142
ISSUE R0
SIZE-A1

FILE NAME: F–091–Rev–R1.dwg
TCE FORM NO. 091 R1

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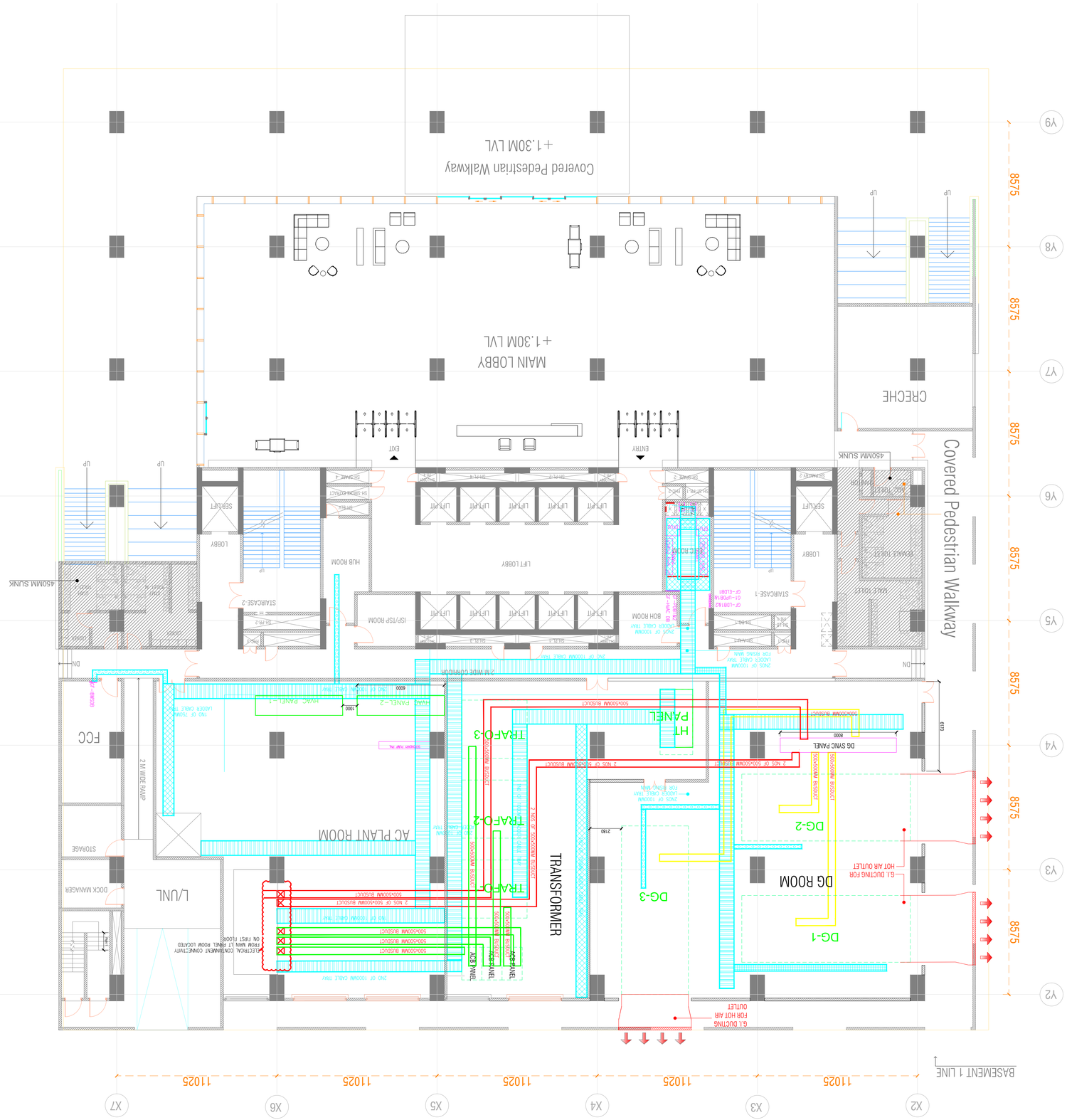
1 GROUND FLOOR LAYOUT
1 : 150



KEYPLAN
(NTS)

LEGEND:-

Sr.No.	SYMBOL	DESCRIPTION
1.		1000MM(W)x 75MM(D)x2.5MM (THK) LADDER TYPE CABLE TRAY
2.		750MM(W)x 75MM(D)x2MM (THK) LADDER TYPE CABLE TRAY
3.		600MM(W)X 62.5MM(D)x2MM (THK) PERFORATED TYPE CABLE TRAY
4.		450MM(W)x 62.5MM(D)x2MM (THK) PERFORATED TYPE CABLE TRAY
5.		300MM(W)X 50MM(D)x1.6MM (THK) PERFORATED TYPE CABLE TRAY
6.		150MM(W)X 50MM(D)x1.6MM (THK) PERFORATED TYPE CABLE TRAY
7.		500MM(W)X 500MM(D) BUSDUCT

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. CABLE ENTRY TO ALL PANELS, SWITCHBOARDS AND RECEPTACLES SHALL BE FROM TOP.
3. ALL CABLE TRAY & ACCESSORIES SHALL CONFORM TO THE RELEVANT INDIAN STANDARD SPECIFICATION UNLESS OTHERWISE SPECIFIED.
4. THE MINIMUM BENDING RADIUS FOR ALL LT POWER CABLES SHALL BE 12'D'.
5. CABLE TRAY SUPPORTS SHALL BE SUITABLE FOR LOADING OF 110KG/M CABLE WEIGHT PER TRAY AND ADDITIONAL TRAY WEIGHT.
6. CABLE TRAY LAYOUT DRAWING PREPARED BY ELECTRICAL CONTRACTOR SHALL BE FURNISHED TO CIVIL CONTRACTOR FOR PREPARING THEIR RESPECTIVE CO-ORDINATED DRAWING WITH OTHER EQUIPMENT FOUNDATIONS, PIPE SLEEVES, CUTOUTS, ETC.
7. THE WELDING OF CABLE TRAY SHALL NOT BE DONE IN THE VICINITY OF THE CABLES TO AVOID DAMAGE TO THE CABLES.
8. EQUIPMENT DIMENSIONS & LOCATIONS ARE INDICATIVE AND SUBJECT TO CHANGE AS PER ACTUAL EQUIPMENT SIZES.
9. MINOR CHANGES IN LOCATION OF EQUIPMENTS SHALL BE DONE IN CONSULTATION WITH TCE.
10. LOCATIONS OF CABLE TRAY INDICATED ARE TENTATIVE AND CAN BE CHANGED IN CONSULTATION WITH TCE & AS PER SITE CONDITION.
11. SEPARATE TRAYS SHALL BE USED FOR LT & CONTROL, IBMS CABLES.PROPER ISOLATION SHALL BE PROVIDED IN CASE CROSSING IS UNAVOIDABLE.
12. ALL WELDING SHALL BE MADE BY ELECTRIC ARC WELDING AS PER IS 816. ALL WELDED JOINTS SHALL BE ALLOWED TO COOL DOWN GRADUALLY BEFORE PUTTING ANY LOAD ON THEM. ARTIFICIAL COOLING SHALL NOT BE ALLOWED. BENDING OF ROD/ THICK CONDUCTORS SHALL BE DONE BY GAS HEATING.
13. ALL WALL CUTOUTS/ SLEEVES SHALL BE FILLED WITH 2 HOUR FIRE PROOF SEALING AFTER INSTALLATION OF CABLE TRAYS.
14. CABLE TRAY, ALL GI STRIP ON THE TRAYS, SHALL BE CONNECTED TO MAIN GRID AT MINIMUM 2 PLACES. CABLE TRAYS SHALL BE RECULARLY EARTHED AT 10M INTERVAL.
15. EACH PANEL TO BE EARTHED AT MINIMUM 2 PLACES WITH SUITABLE SIZE, GI FLAT.
16. CABLE TRAY DROPS AND FLOOR MOUNTED CABLE TRAY SHALL HAVE COVER.
17. OUTDOOR TYPE CABLE TRAYS SHALL BE HOT DIP G.I

ISSUE		DRN	DSN	CHD	CLEARED						PE/PM	APPD	DATE DD-MM-YY
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	REVISIONS												
	INITIALS												
	SIGN.												

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
GROUND FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

SCALE : 1:150	DWG NO. TCE.13417A-EL-4025-CAT-40147	ISSUE R0
QC & DISC: MUM-EL		

FILE NAME : TCE.13417A-EL-4025-CAT-40147

FOR TENDER PURPOSE
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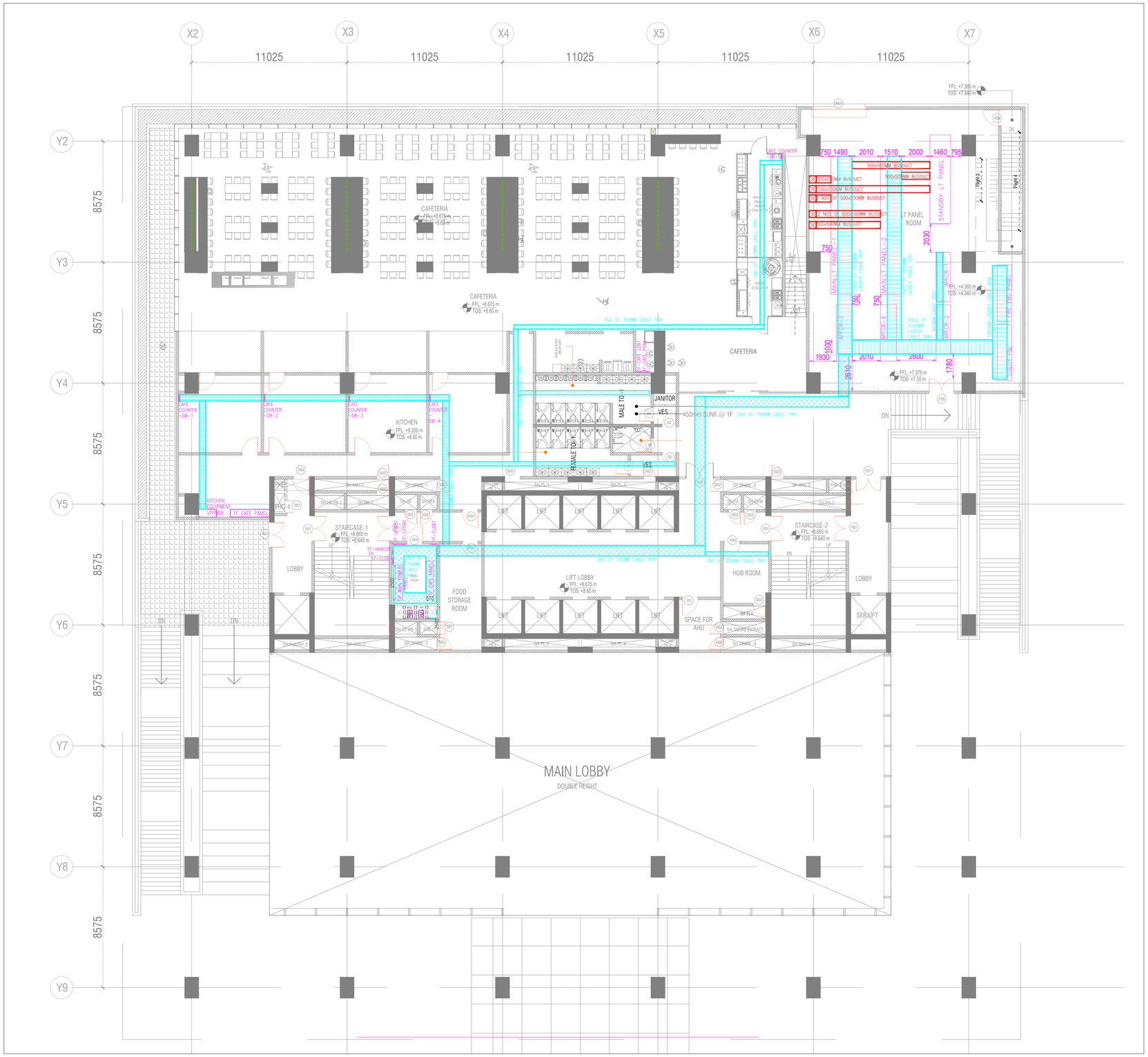
Contractor shall not scale drawings. Any discrepancies found between drawings and site conditions must be reported immediately. Contractor is responsible for verifying all dimensions on site before commencing work. Any deviations must be approved by the Engineer in writing. Unauthorized changes may result in rejection of work and additional costs. Contractor shall maintain one set of approved drawings on site at all times. Failure to comply with these notes may result in delays, rework, or withholding of payment. Contractor shall coordinate with other trades to avoid conflicts. Any damage to existing structures or utilities during construction shall be repaired at Contractor's expense. Contractor shall provide adequate protection for all finished surfaces. Contractor shall clean up all debris and waste daily. Contractor shall not proceed with any work that is unclear or incomplete. Contractor shall notify the Engineer immediately of any discrepancies found. Contractor shall not use any materials that are damaged or defective. Contractor shall not use any materials that are not specified in the drawings. Contractor shall not use any materials that are not approved by the Engineer. Contractor shall not use any materials that are not in accordance with the drawings. Contractor shall not use any materials that are not in accordance with the specifications. Contractor shall not use any materials that are not in accordance with the codes. Contractor shall not use any materials that are not in accordance with the standards. Contractor shall not use any materials that are not in accordance with the regulations. Contractor shall not use any materials that are not in accordance with the laws. Contractor shall not use any materials that are not in accordance with the ordinances. Contractor shall not use any materials that are not in accordance with the permits. Contractor shall not use any materials that are not in accordance with the approvals. Contractor shall not use any materials that are not in accordance with the inspections. Contractor shall not use any materials that are not in accordance with the tests. Contractor shall not use any materials that are not in accordance with the certifications. Contractor shall not use any materials that are not in accordance with the warranties. Contractor shall not use any materials that are not in accordance with the guarantees. Contractor shall not use any materials that are not in accordance with the bonds. Contractor shall not use any materials that are not in accordance with the insurance. Contractor shall not use any materials that are not in accordance with the liability. Contractor shall not use any materials that are not in accordance with the indemnity. Contractor shall not use any materials that are not in accordance with the hold harmless. Contractor shall not use any materials that are not in accordance with the waiver. Contractor shall not use any materials that are not in accordance with the release. Contractor shall not use any materials that are not in accordance with the settlement. Contractor shall not use any materials that are not in accordance with the dispute resolution. Contractor shall not use any materials that are not in accordance with the arbitration. Contractor shall not use any materials that are not in accordance with the mediation. Contractor shall not use any materials that are not in accordance with the litigation. Contractor shall not use any materials that are not in accordance with the jurisdiction. Contractor shall not use any materials that are not in accordance with the governing law. Contractor shall not use any materials that are not in accordance with the venue. Contractor shall not use any materials that are not in accordance with the choice of law. Contractor shall not use any materials that are not in accordance with the entire agreement. Contractor shall not use any materials that are not in accordance with the amendment. Contractor shall not use any materials that are not in accordance with the waiver. Contractor shall not use any materials that are not in accordance with the severability. Contractor shall not use any materials that are not in accordance with the assignment. Contractor shall not use any materials that are not in accordance with the notices. Contractor shall not use any materials that are not in accordance with the force majeure. Contractor shall not use any materials that are not in accordance with the counterparts. Contractor shall not use any materials that are not in accordance with the headings. Contractor shall not use any materials that are not in accordance with the construction. Contractor shall not use any materials that are not in accordance with the interpretation. Contractor shall not use any materials that are not in accordance with the boilerplate. Contractor shall not use any materials that are not in accordance with the miscellaneous provisions.

FILE NAME: F-091-R&V-R1.dwg
1 2 3 4 5 6 7 8 9 10 11 12
A B C D E F G H
SIZE-A1

TITLE: FIRST FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

DWG NO: TCE.13417A-EL-4025-CAT-40148



1 FIRST FLOOR LAYOUT

1 : 150

N

KEYPLAN
(NTS)

LEGEND:–

Sr.No.	SYMBOL	DESCRIPTION
1.		1000MM(W)X 75MM(D)X2.5MM (THK) LADDER TYPE CABLE TRAY
2.		750MM(W)X 75MM(D)X2MM (THK) LADDER TYPE CABLE TRAY
3.		600MM(W)X 75MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
4.		450MM(W)X 62.5MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
5.		300MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
4.		150MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
5.		500MM(W)X 500MM(D) BUSDUCT

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. CABLE ENTRY TO ALL PANELS, SWITCHBOARDS AND RECEPTACLES SHALL BE FROM TOP.
3. ALL CABLE TRAY & ACCESSORIES SHALL CONFORM TO THE RELEVANT INDIAN STANDARD SPECIFICATION UNLESS OTHERWISE SPECIFIED.
4. THE MINIMUM BENDING RADIUS FOR ALL LT POWER CABLES SHALL BE 12"D".
5. CABLE TRAY SUPPORTS SHALL BE SUITABLE FOR LOADING OF 110KG/M CABLE WEIGHT PER TRAY AND ADDITIONAL TRAY WEIGHT.
6. CABLE TRAY LAYOUT DRAWING PREPARED BY ELECTRICAL CONTRACTOR SHALL BE FURNISHED TO CIVIL CONTRACTOR FOR PREPARING THEIR RESPECTIVE CO-ORDINATED DRAWING WITH OTHER EQUIPMENT FOUNDATIONS, PIPE SLEEVES, CUTOUTS, ETC.
7. THE WELDING OF CABLE TRAY SHALL NOT BE DONE IN THE VICINITY OF THE CABLES TO AVOID DAMAGE TO THE CABLES.
8. EQUIPMENT DIMENSIONS & LOCATIONS ARE INDICATIVE AND SUBJECT TO CHANGE AS PER ACTUAL EQUIPMENT SIZES.
9. MINOR CHANGES IN LOCATION OF EQUIPMENTS SHALL BE DONE IN CONSULTATION WITH TCE.
10. LOCATIONS OF CABLE TRAY INDICATED ARE TENTATIVE AND CAN BE CHANGED IN CONSULTATION WITH TCE & AS PER SITE CONDITION.
11. SEPARATE TRAYS SHALL BE USED FOR LT & CONTROL/ IBMS CABLES,PROPER ISOLATION SHALL BE PROVIDED IN CASE CROSSING IS UNAVOIDABLE.
12. ALL WELDING SHALL BE MADE BY ELECTRIC ARC WELDING AS PER IS 816. ALL WELDED JOINTS SHALL BE ALLOWED TO COOL DOWN GRADUALLY BEFORE PUTTING ANY LOAD ON THEM. ARTIFICIAL COOLING SHALL NOT BE ALLOWED. BENDING OF ROD/ THICK CONDUCTORS SHALL BE DONE BY GAS HEATING.
13. ALL WALL CUTOUTS/ SLEEVES SHALL BE FILLED WITH 2 HOUR FIRE PROOF SEALING AFTER INSTALLATION OF CABLE TRAYS.
14. EARTH STRIP SHALL BE RUN ALONG THE LENGTH AND ON EITHER SIDE OF THE CABLE TRAY. ALL GI STRIP ON THE TRAYS SHALL BE CONNECTED TO MAIN GRID AT MINIMUM 2 PLACES. CABLE TRAYS SHALL BE REGULARLY EARTHED AT 10M INTERVAL.
15. EACH PANEL TO BE EARTHED AT MINIMUM 2 PLACES WITH SUITABLE SIZE, GI FLAT.
16. CABLE TRAY DROPS AND FLOOR MOUNTED CABLE TRAY SHALL HAVE COVER.
17. OUTDOOR TYPE CABLE TRAYS SHALL BE HOT DIP G.I

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R0	SIGN.													
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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
					CLEARED									

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:

FIRST FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

FOR TENDER PURPOSE

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FILE NAME : TCE.13417A-EL-4025-CAT-40148

SCALE : 1:150

DC & DISC : MUM-EL

DWG NO. TCE.13417A-EL-4025-CAT-40148

ISSUE R0

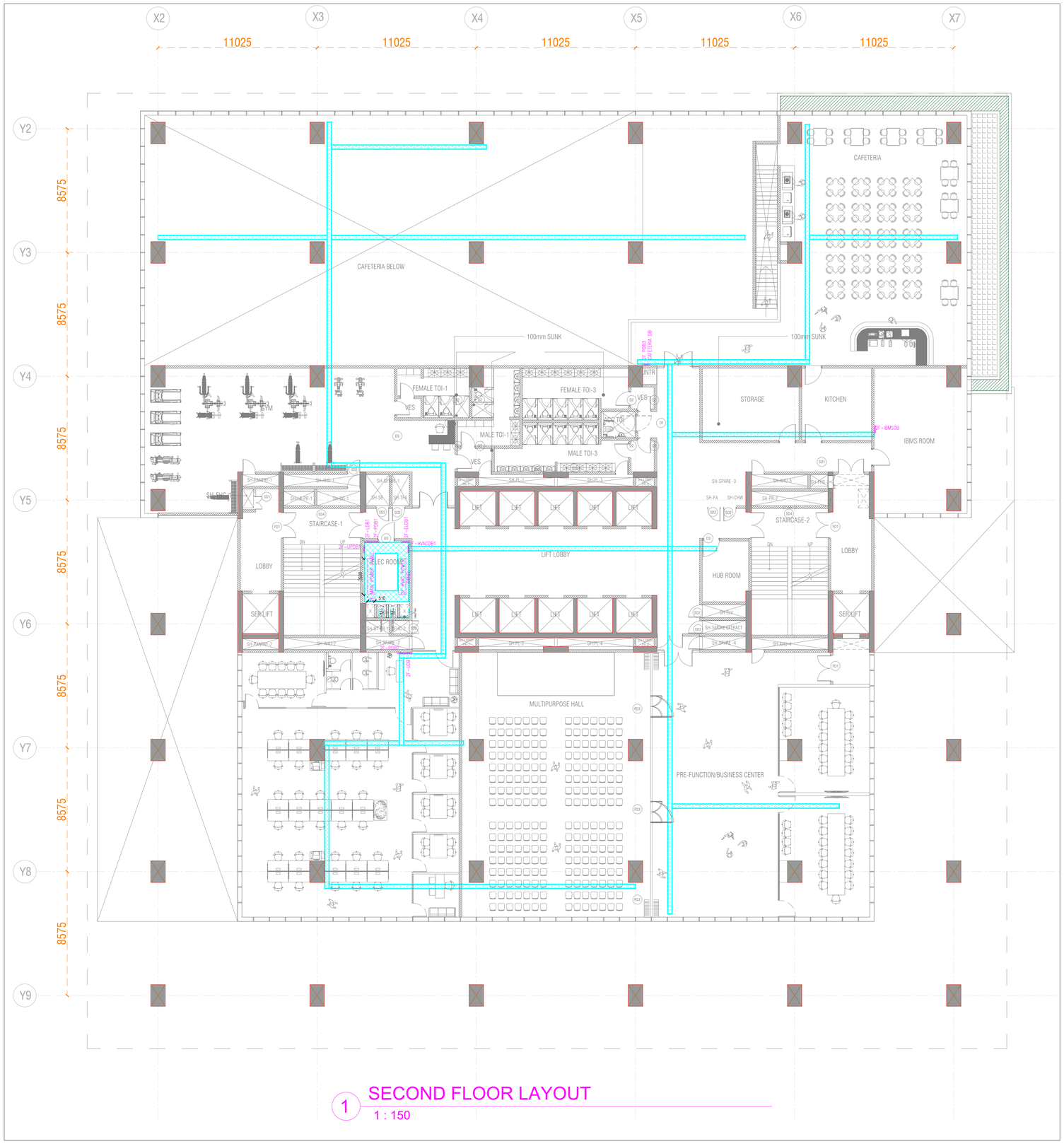
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

TITLE: SECOND FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

DWG. NO. TCE.13417A-EL-4025-CAT-40149



1 SECOND FLOOR LAYOUT
1 : 150

N

KEYPLAN
(NTS)

LEGEND:–

Sr.No.	SYMBOL	DESCRIPTION
1.		1000MM(W)X 75MM(D)X2.5MM (THK) LADDER TYPE CABLE TRAY
2.		750MM(W)X 75MM(D)X2MM (THK) LADDER TYPE CABLE TRAY
3.		600MM(W)X 75MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
4.		450MM(W)X 62.5MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
5.		300MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
4.		150MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
5.		500MM(W)X 500MM(D) BUSDUCT

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. CABLE ENTRY TO ALL PANELS, SWITCHBOARDS AND RECEPTACLES SHALL BE FROM TOP.
3. ALL CABLE TRAY & ACCESSORIES SHALL CONFORM TO THE RELEVANT INDIAN STANDARD SPECIFICATION UNLESS OTHERWISE SPECIFIED.
4. THE MINIMUM BENDING RADIUS FOR ALL LT POWER CABLES SHALL BE 12"D".
5. CABLE TRAY SUPPORTS SHALL BE SUITABLE FOR LOADING OF 110KG/M CABLE WEIGHT PER TRAY AND ADDITIONAL TRAY WEIGHT.
6. CABLE TRAY LAYOUT DRAWING PREPARED BY ELECTRICAL CONTRACTOR SHALL BE FURNISHED TO CIVIL CONTRACTOR FOR PREPARING THEIR RESPECTIVE CO-ORDINATED DRAWING WITH OTHER EQUIPMENT FOUNDATIONS, PIPE SLEEVES, CUTOUTS, ETC.
7. THE WELDING OF CABLE TRAY SHALL NOT BE DONE IN THE VICINITY OF THE CABLES TO AVOID DAMAGE TO THE CABLES.
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12. ALL WELDING SHALL BE MADE BY ELECTRIC ARC WELDING AS PER IS 816. ALL WELDED JOINTS SHALL BE ALLOWED TO COOL DOWN GRADUALLY BEFORE PUTTING ANY LOAD ON THEM. ARTIFICIAL COOLING SHALL NOT BE ALLOWED. BENDING OF ROD/ THICK CONDUCTORS SHALL BE DONE BY GAS HEATING.
13. ALL WALL CUTOUTS/ SLEEVES SHALL BE FILLED WITH 2 HOUR FIRE PROOF SEALING AFTER INSTALLATION OF CABLE TRAYS.
14. EARTH STRIP SHALL BE RUN ALONG THE LENGTH AND ON EITHER SIDE OF THE CABLE TRAY. ALL GI STRIP ON THE TRAYS SHALL BE CONNECTED TO MAIN GRID AT MINIMUM 2 PLACES. CABLE TRAYS SHALL BE REGULARLY EARTHED AT 10M INTERVAL.
15. EACH PANEL TO BE EARTHED AT MINIMUM 2 PLACES WITH SUITABLE SIZE. GI FLAT.
16. CABLE TRAY DROPS AND FLOOR MOUNTED CABLE TRAY SHALL HAVE COVER.
17. OUTDOOR TYPE CABLE TRAYS SHALL BE HOT DIP G.I

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	INITIALS												
	REVISIONS												
	SIGN.												
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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
					CLEARED									

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
SECOND FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

SCALE : 1:150
DC & DISC : MUM-EL
DWG NO. TCE.13417A-EL-4025-CAT-40149
ISSUE R0

FOR TENDER PURPOSE
DO NOT SCALE

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FILE NAME : TCE.13417A-EL-4025-CAT-40149

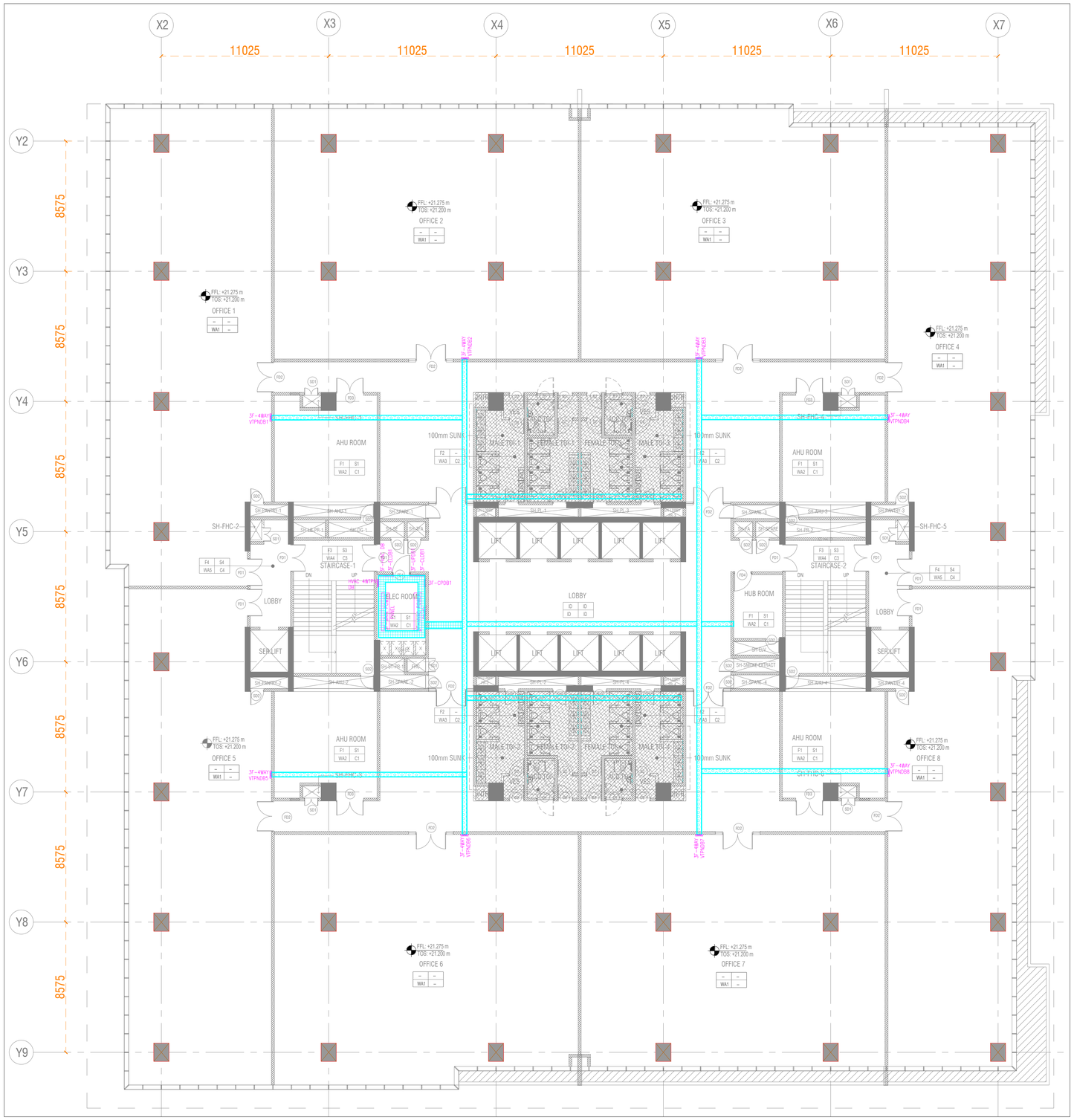
FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

SIZE-A1

TITLE: THIRD/ FOURTH/ SIXTH/ SEVENTH FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

DWG NO: TCE.13417A-EL-4025-CAT-40150



1 THIRD FLOOR LAYOUT
1 : 150

N

KEYPLAN
(NTS)

LEGEND:–

Sr.No.	SYMBOL	DESCRIPTION
1.		100MM(W)X 75MM(D)X2.5MM (THK) LADDER TYPE CABLE TRAY
2.		750MM(W)X 75MM(D)X2MM (THK) LADDER TYPE CABLE TRAY
3.		600MM(W)X 75MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
4.		450MM(W)X 62.5MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
5.		300MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
4.		150MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
5.		500MM(W)X 500MM(D) BUSDUCT

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. CABLE ENTRY TO ALL PANELS, SWITCHBOARDS AND RECEPTACLES SHALL BE FROM TOP.
3. ALL CABLE TRAY & ACCESSORIES SHALL CONFORM TO THE RELEVANT INDIAN STANDARD SPECIFICATION UNLESS OTHERWISE SPECIFIED.
4. THE MINIMUM BENDING RADIUS FOR ALL LT POWER CABLES SHALL BE 12"D".
5. CABLE TRAY SUPPORTS SHALL BE SUITABLE FOR LOADING OF 110KG/M CABLE WEIGHT PER TRAY AND ADDITIONAL TRAY WEIGHT.
6. CABLE TRAY LAYOUT DRAWING PREPARED BY ELECTRICAL CONTRACTOR SHALL BE FURNISHED TO CIVIL CONTRACTOR FOR PREPARING THEIR RESPECTIVE CO-ORDINATED DRAWING WITH OTHER EQUIPMENT FOUNDATIONS, PIPE SLEEVES, CUTOUTS, ETC.
7. THE WELDING OF CABLE TRAY SHALL NOT BE DONE IN THE VICINITY OF THE CABLES TO AVOID DAMAGE TO THE CABLES.
8. EQUIPMENT DIMENSIONS & LOCATIONS ARE INDICATIVE AND SUBJECT TO CHANGE AS PER ACTUAL EQUIPMENT SIZES.
9. MINOR CHANGES IN LOCATION OF EQUIPMENTS SHALL BE DONE IN CONSULTATION WITH TCE.
10. LOCATIONS OF CABLE TRAY INDICATED ARE TENTATIVE AND CAN BE CHANGED IN CONSULTATION WITH TCE & AS PER SITE CONDITION.
11. SEPARATE TRAYS SHALL BE USED FOR LT & CONTROL/ IBMS CABLES,PROPER ISOLATION SHALL BE PROVIDED IN CASE CROSSING IS UNAVOIDABLE.
12. ALL WELDING SHALL BE MADE BY ELECTRIC ARC WELDING AS PER IS 816. ALL WELDED JOINTS SHALL BE ALLOWED TO COOL DOWN GRADUALLY BEFORE PUTTING ANY LOAD ON THEM. ARTIFICIAL COOLING SHALL NOT BE ALLOWED. BENDING OF ROD/ THICK CONDUCTORS SHALL BE DONE BY GAS HEATING.
13. ALL WALL CUTOUTS/ SLEEVES SHALL BE FILLED WITH 2 HOUR FIRE PROOF SEALING AFTER INSTALLATION OF CABLE TRAYS.
14. EARTH STRIP SHALL BE RUN ALONG THE LENGTH AND ON EITHER SIDE OF THE CABLE TRAY. ALL GI STRIP ON THE TRAYS SHALL BE CONNECTED TO MAIN GRID AT MINIMUM 2 PLACES. CABLE TRAYS SHALL BE REGULARLY EARTHED AT 10M INTERVAL.
15. EACH PANEL TO BE EARTHED AT MINIMUM 2 PLACES WITH SUITABLE SIZE. GI FLAT.
16. CABLE TRAY DROPS AND FLOOR MOUNTED CABLE TRAY SHALL HAVE COVER.
17. OUTDOOR TYPE CABLE TRAYS SHALL BE HOT DIP G.I

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	REVISIONS														
R0	SIGN.														
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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY	
					CLEARED										

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
THIRD/ FOURTH/ SIXTH/ SEVENTH FLOOR -
CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

FOR TENDER PURPOSE

DO NOT SCALE

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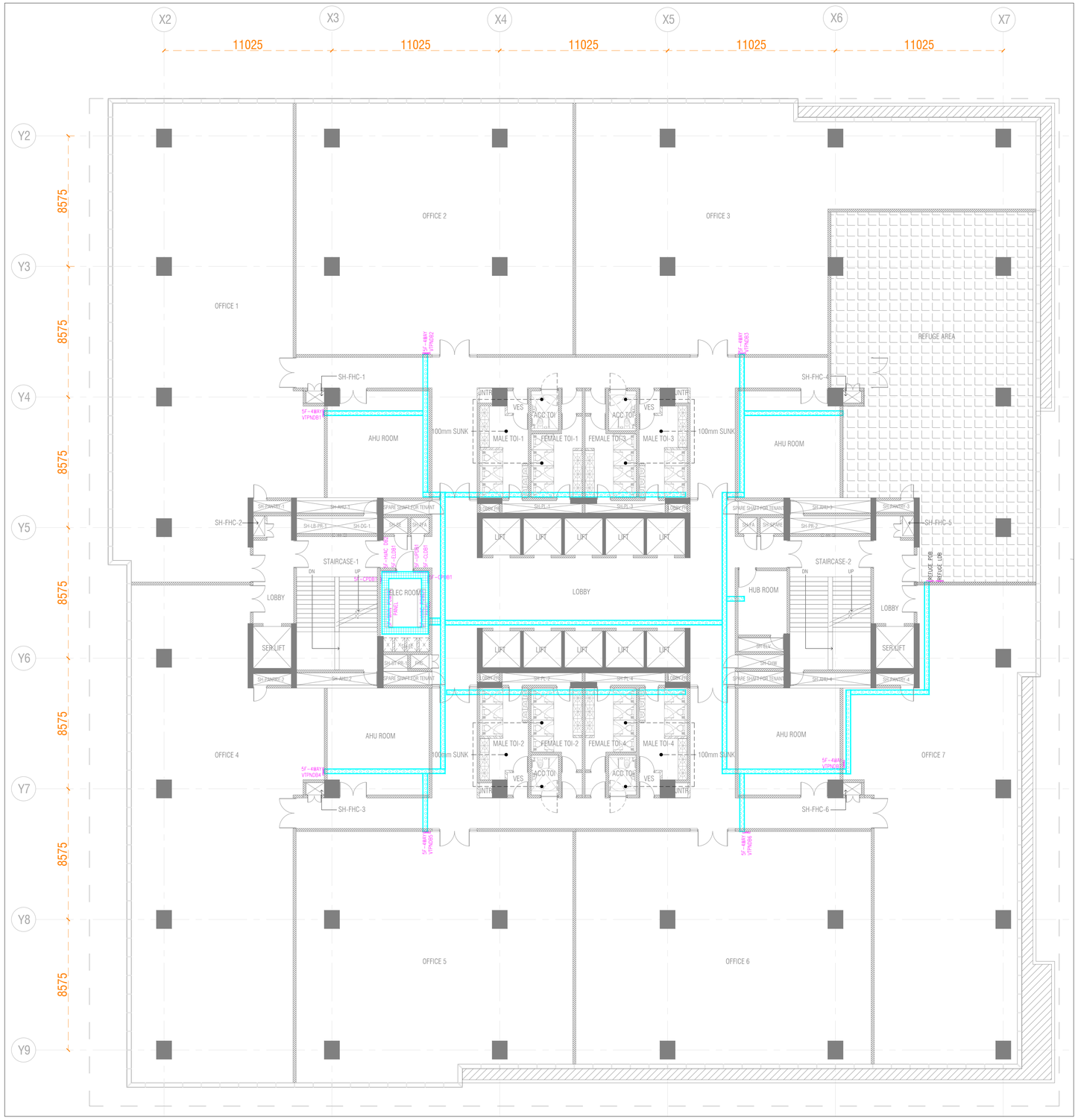
FILE NAME : TCE.13417A-EL-4025-CAT-40150

SCALE : 1:150	DWG NO. TCE.13417A-EL-4025-CAT-40150	ISSUE R0
DC & DISC : MUM-EL		

SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1



1 REFUGE FLOOR LAYOUT
1 : 150

N

KEYPLAN
(NTS)

LEGEND:–

Sr.No.	SYMBOL	DESCRIPTION
1.		1000MM(W)X 75MM(D)X2.5MM (THK) LADDER TYPE CABLE TRAY
2.		750MM(W)X 75MM(D)X2MM (THK) LADDER TYPE CABLE TRAY
3.		600MM(W)X 75MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
4.		450MM(W)X 62.5MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
5.		300MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
4.		150MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
5.		500MM(W)X 500MM(D) BUSDUCT

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. CABLE ENTRY TO ALL PANELS, SWITCHBOARDS AND RECEPTACLES SHALL BE FROM TOP.
3. ALL CABLE TRAY & ACCESSORIES SHALL CONFORM TO THE RELEVANT INDIAN STANDARD SPECIFICATION UNLESS OTHERWISE SPECIFIED.
4. THE MINIMUM BENDING RADIUS FOR ALL LT POWER CABLES SHALL BE 12'D'.
5. CABLE TRAY SUPPORTS SHALL BE SUITABLE FOR LOADING OF 110KG/M CABLE WEIGHT PER TRAY AND ADDITIONAL TRAY WEIGHT.
6. CABLE TRAY LAYOUT DRAWING PREPARED BY ELECTRICAL CONTRACTOR SHALL BE FURNISHED TO CIVIL CONTRACTOR FOR PREPARING THEIR RESPECTIVE CO-ORDINATED DRAWING WITH OTHER EQUIPMENT FOUNDATIONS, PIPE SLEEVES, CUTOUTS, ETC.
7. THE WELDING OF CABLE TRAY SHALL NOT BE DONE IN THE VICINITY OF THE CABLES TO AVOID DAMAGE TO THE CABLES.
8. EQUIPMENT DIMENSIONS & LOCATIONS ARE INDICATIVE AND SUBJECT TO CHANGE AS PER ACTUAL EQUIPMENT SIZES.
9. MINOR CHANGES IN LOCATION OF EQUIPMENTS SHALL BE DONE IN CONSULTATION WITH TCE.
10. LOCATIONS OF CABLE TRAY INDICATED ARE TENTATIVE AND CAN BE CHANGED IN CONSULTATION WITH TCE & AS PER SITE CONDITION.
11. SEPARATE TRAYS SHALL BE USED FOR LT & CONTROL/ IBMS CABLES.PROPER ISOLATION SHALL BE PROVIDED IN CASE CROSSING IS UNAVOIDABLE.
12. ALL WELDING SHALL BE MADE BY ELECTRIC ARC WELDING AS PER IS 816. ALL WELDED JOINTS SHALL BE ALLOWED TO COOL DOWN GRADUALLY BEFORE PUTTING ANY LOAD ON THEM. ARTIFICIAL COOLING SHALL NOT BE ALLOWED. BENDING OF ROD/ THICK CONDUCTORS SHALL BE DONE BY GAS HEATING.
13. ALL WALL CUTOUTS/ SLEEVES SHALL BE FILLED WITH 2 HOUR FIRE PROOF SEALING AFTER INSTALLATION OF CABLE TRAYS.
14. EARTH STRIP SHALL BE RUN ALONG THE LENGTH AND ON EITHER SIDE OF THE CABLE TRAY. ALL GI STRIP ON THE TRAYS SHALL BE CONNECTED TO MAIN GRID AT MINIMUM 2 PLACES. CABLE TRAYS SHALL BE REGULARLY EARTHED AT 10M INTERVAL.
15. EACH PANEL TO BE EARTHED AT MINIMUM 2 PLACES WITH SUITABLE SIZE. GI FLAT.
16. CABLE TRAY DROPS AND FLOOR MOUNTED CABLE TRAY SHALL HAVE COVER.
17. OUTDOOR TYPE CABLE TRAYS SHALL BE HOT DIP G.I

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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
					CLEARED									

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

FOR TENDER PURPOSE
DO NOT SCALE

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FILE NAME : TCE.13417A-EL-4025-CAT-40152

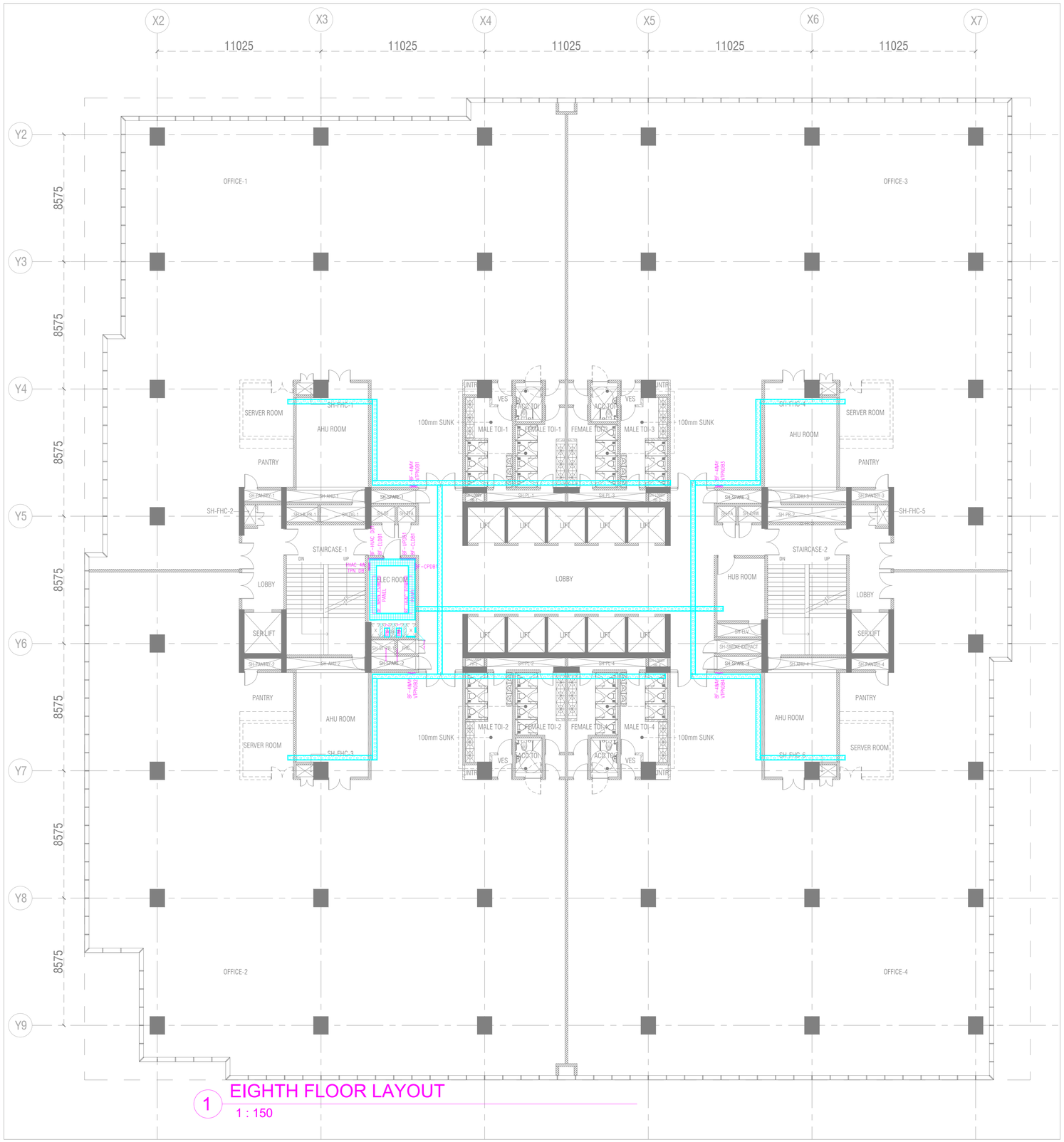
SCALE : 1:150
DC & DISC : MUM-EL

DWG NO. TCE.13417A-EL-4025-CAT-40152
ISSUE R0

SIZE-A1

TITLE: EIGHTH/ TENTH / ELEVENTH/ TWELFTH FLOOR - CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

DWG NO: TCE.13417A-EL-4025-CAT-40155



1 EIGHTH FLOOR LAYOUT

1 : 150

N

KEYPLAN
(NTS)

LEGEND:–

Sr.No.	SYMBOL	DESCRIPTION
1.		100MM(W)X 75MM(D)X2.5MM (THK) LADDER TYPE CABLE TRAY
2.		750MM(W)X 75MM(D)X2MM (THK) LADDER TYPE CABLE TRAY
3.		600MM(W)X 75MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
4.		450MM(W)X 62.5MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
5.		300MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
4.		150MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
5.		500MM(W)X 500MM(D) BUSDUCT

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. CABLE ENTRY TO ALL PANELS, SWITCHBOARDS AND RECEPTACLES SHALL BE FROM TOP.
3. ALL CABLE TRAY & ACCESSORIES SHALL CONFORM TO THE RELEVANT INDIAN STANDARD SPECIFICATION UNLESS OTHERWISE SPECIFIED.
4. THE MINIMUM BENDING RADIUS FOR ALL LT POWER CABLES SHALL BE 12"D".
5. CABLE TRAY SUPPORTS SHALL BE SUITABLE FOR LOADING OF 110KG/M CABLE WEIGHT PER TRAY AND ADDITIONAL TRAY WEIGHT.
6. CABLE TRAY LAYOUT DRAWING PREPARED BY ELECTRICAL CONTRACTOR SHALL BE FURNISHED TO CIVIL CONTRACTOR FOR PREPARING THEIR RESPECTIVE CO-ORDINATED DRAWING WITH OTHER EQUIPMENT FOUNDATIONS, PIPE SLEEVES, CUTOUTS, ETC.
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8. EQUIPMENT DIMENSIONS & LOCATIONS ARE INDICATIVE AND SUBJECT TO CHANGE AS PER ACTUAL EQUIPMENT SIZES.
9. MINOR CHANGES IN LOCATION OF EQUIPMENTS SHALL BE DONE IN CONSULTATION WITH TCE.
10. LOCATIONS OF CABLE TRAY INDICATED ARE TENTATIVE AND CAN BE CHANGED IN CONSULTATION WITH TCE & AS PER SITE CONDITION.
11. SEPARATE TRAYS SHALL BE USED FOR LT & CONTROL/ IBMS CABLES.PROPER ISOLATION SHALL BE PROVIDED IN CASE CROSSING IS UNAVOIDABLE.
12. ALL WELDING SHALL BE MADE BY ELECTRIC ARC WELDING AS PER IS 816. ALL WELDED JOINTS SHALL BE ALLOWED TO COOL DOWN GRADUALLY BEFORE PUTTING ANY LOAD ON THEM. ARTIFICIAL COOLING SHALL NOT BE ALLOWED. BENDING OF ROD/ THICK CONDUCTORS SHALL BE DONE BY GAS HEATING.
13. ALL WALL CUTOUTS/ SLEEVES SHALL BE FILLED WITH 2 HOUR FIRE PROOF SEALING AFTER INSTALLATION OF CABLE TRAYS.
14. EARTH STRIP SHALL BE RUN ALONG THE LENGTH AND ON EITHER SIDE OF THE CABLE TRAY. ALL GI STRIP ON THE TRAYS SHALL BE CONNECTED TO MAIN GRID AT MINIMUM 2 PLACES. CABLE TRAYS SHALL BE REGULARLY EARTHED AT 10M INTERVAL.
15. EACH PANEL TO BE EARTHED AT MINIMUM 2 PLACES WITH SUITABLE SIZE. GI FLAT.
16. CABLE TRAY DROPS AND FLOOR MOUNTED CABLE TRAY SHALL HAVE COVER.
17. OUTDOOR TYPE CABLE TRAYS SHALL BE HOT DIP G.I.

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CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

EIGHTH/ TENTH / ELEVENTH/ TWELFTH FLOOR -
CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

FOR TENDER PURPOSE

DO NOT SCALE

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FILE NAME : TCE.13417A-EL-4025-CAT-40155

SCALE : 1:150	DWG NO.	ISSUE
DC & DISC: MUM-EL	TCE.13417A-EL-4025-CAT-40155	R0

SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

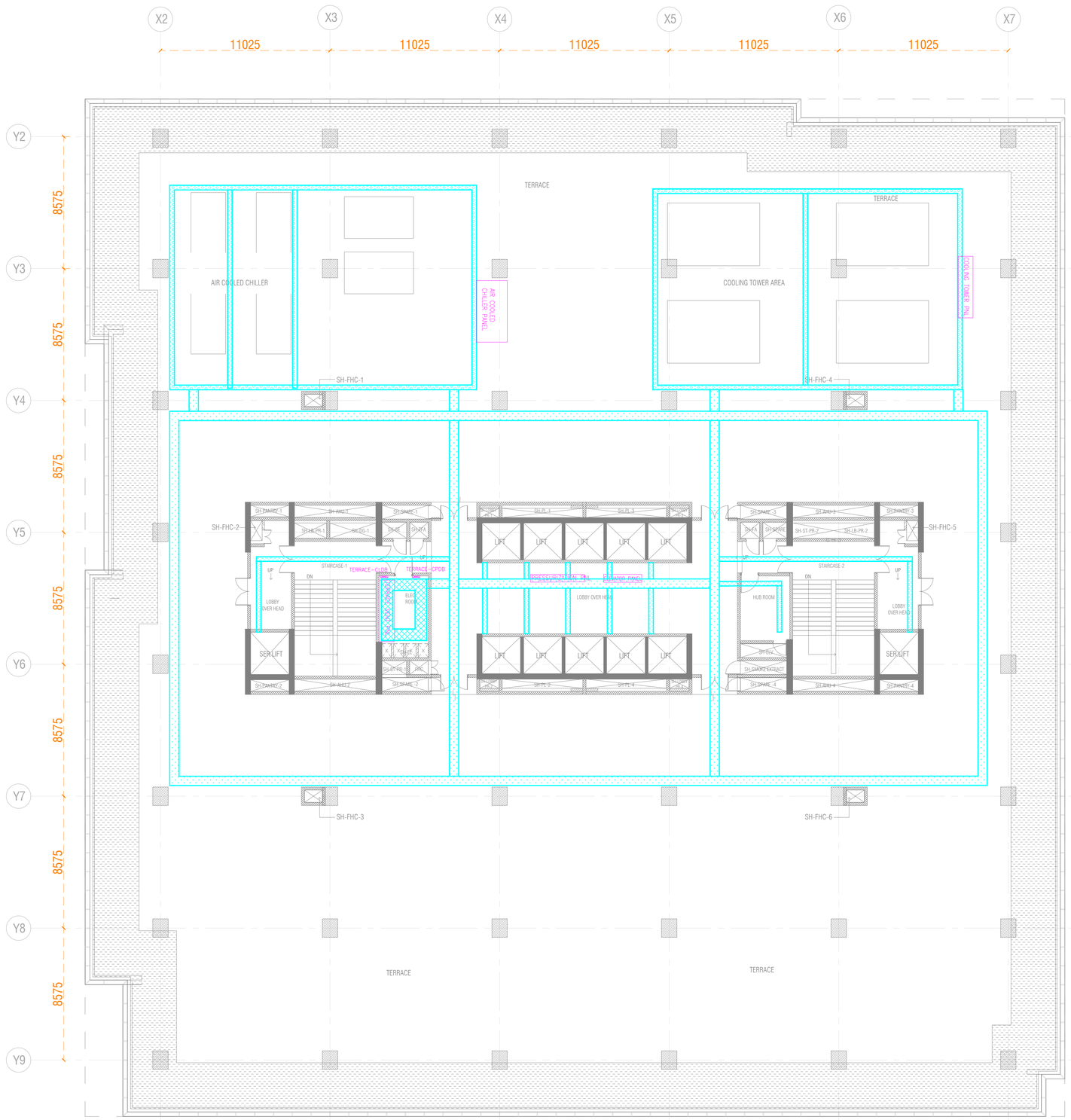
TCE FORM NO. 091 R1

TERRACE FLOOR - CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

TITLE:

TCE.13417A-EL-4025-CAT-40160

DWG NO



1 TERRACE FLOOR LAYOUT

1 : 150

N

KEYPLAN

(NTS)

LEGEND:–

Sr.No.	SYMBOL	DESCRIPTION
1.		1000MM(W)X 75MM(D)X2.5MM (THK) LADDER TYPE CABLE TRAY
2.		750MM(W)X 75MM(D)X2MM (THK) LADDER TYPE CABLE TRAY
3.		600MM(W)X 75MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
4.		450MM(W)X 62.5MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
5.		300MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
4.		150MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
5.		500MM(W)X 500MM(D) BUSDUCT

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. CABLE ENTRY TO ALL PANELS, SWITCHBOARDS AND RECEPTACLES SHALL BE FROM TOP.
3. ALL CABLE TRAY & ACCESSORIES SHALL CONFORM TO THE RELEVANT INDIAN STANDARD SPECIFICATION UNLESS OTHERWISE SPECIFIED.
4. THE MINIMUM BENDING RADIUS FOR ALL LT POWER CABLES SHALL BE 12'D'.
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13. ALL WALL CUTOUTS/ SLEEVES SHALL BE FILLED WITH 2 HOUR FIRE PROOF SEALING AFTER INSTALLATION OF CABLE TRAYS.
14. EARTH STRIP SHALL BE RUN ALONG THE LENGTH AND ON EITHER SIDE OF THE CABLE TRAY. ALL GI STRIP ON THE TRAYS SHALL BE CONNECTED TO MAIN GRID AT MINIMUM 2 PLACES. CABLE TRAYS SHALL BE REGULARLY EARTHED AT 10M INTERVAL.
15. EACH PANEL TO BE EARTHED AT MINIMUM 2 PLACES WITH SUITABLE SIZE. GI FLAT.
16. CABLE TRAY DROPS AND FLOOR MOUNTED CABLE TRAY SHALL HAVE COVER.
17. OUTDOOR TYPE CABLE TRAYS SHALL BE HOT DIP G.I

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CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

TERRACE FLOOR - CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

FOR TENDER PURPOSE

DO NOT SCALE

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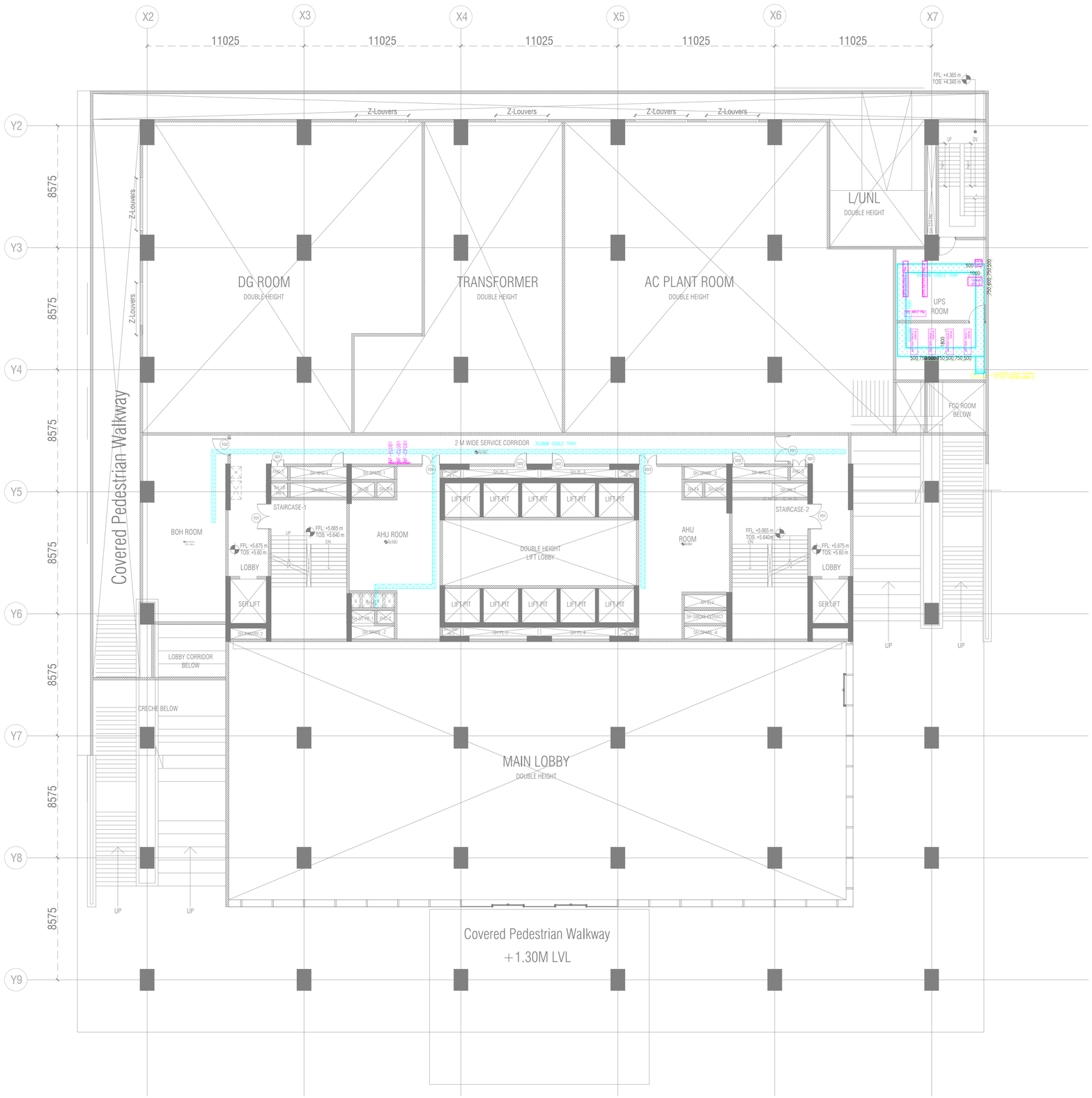
FILE NAME : TCE.13417A-EL-4025-CAT-40160	SCALE : 1:150	OWG NO. TCE.13417A-EL-4025-CAT-40160
	DC & DISC : MUM-EL	ISSUE R0

SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO: 091 R1



1 GROUND FLOOR LAYOUT
1 : 150

N

KEYPLAN
(NTS)

LEGEND:–

Sr.No.	SYMBOL	DESCRIPTION
1.		1000MM(W)X 75MM(D)X2.5MM (THK) LADDER TYPE CABLE TRAY
2.		750MM(W)X 75MM(D)X2MM (THK) LADDER TYPE CABLE TRAY
3.		600MM(W)X 75MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
4.		450MM(W)X 62.5MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
5.		300MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
4.		150MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
5.		500MM(W)X 500MM(D) BUSDUCT

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. CABLE ENTRY TO ALL PANELS, SWITCHBOARDS AND RECEPTACLES SHALL BE FROM TOP.
3. ALL CABLE TRAY & ACCESSORIES SHALL CONFORM TO THE RELEVANT INDIAN STANDARD SPECIFICATION UNLESS OTHERWISE SPECIFIED.
4. THE MINIMUM BENDING RADIUS FOR ALL LT POWER CABLES SHALL BE 12"D".
5. CABLE TRAY SUPPORTS SHALL BE SUITABLE FOR LOADING OF 110KG/M CABLE WEIGHT PER TRAY AND ADDITIONAL TRAY WEIGHT.
6. CABLE TRAY LAYOUT DRAWING PREPARED BY ELECTRICAL CONTRACTOR SHALL BE FURNISHED TO CIVIL CONTRACTOR FOR PREPARING THEIR RESPECTIVE CO-ORDINATED DRAWING WITH OTHER EQUIPMENT FOUNDATIONS, PIPE SLEEVES, CUTOUTS, ETC.
7. THE WELDING OF CABLE TRAY SHALL NOT BE DONE IN THE VICINITY OF THE CABLES TO AVOID DAMAGE TO THE CABLES.
8. EQUIPMENT DIMENSIONS & LOCATIONS ARE INDICATIVE AND SUBJECT TO CHANGE AS PER ACTUAL EQUIPMENT SIZES.
9. MINOR CHANGES IN LOCATION OF EQUIPMENTS SHALL BE DONE IN CONSULTATION WITH TCE.
10. LOCATIONS OF CABLE TRAY INDICATED ARE TENTATIVE AND CAN BE CHANGED IN CONSULTATION WITH TCE & AS PER SITE CONDITION.
11. SEPARATE TRAYS SHALL BE USED FOR LT & CONTROL/ IBMS CABLES.PROPER ISOLATION SHALL BE PROVIDED IN CASE CROSSING IS UNAVOIDABLE.
12. ALL WELDING SHALL BE MADE BY ELECTRIC ARC WELDING AS PER IS 816. ALL WELDED JOINTS SHALL BE ALLOWED TO COOL DOWN GRADUALLY BEFORE PUTTING ANY LOAD ON THEM. ARTIFICIAL COOLING SHALL NOT BE ALLOWED. BENDING OF ROD/ THICK CONDUCTORS SHALL BE DONE BY GAS HEATING.
13. ALL WALL CUTOUTS/ SLEEVES SHALL BE FILLED WITH 2 HOUR FIRE PROOF SEALING AFTER INSTALLATION OF CABLE TRAYS.
14. EARTH STRIP SHALL BE RUN ALONG THE LENGTH AND ON EITHER SIDE OF THE CABLE TRAY. ALL GI STRIP ON THE TRAYS SHALL BE CONNECTED TO MAIN GRID AT MINIMUM 2 PLACES. CABLE TRAYS SHALL BE REGULARLY EARTHED AT 10M INTERVAL.
15. EACH PANEL TO BE EARTHED AT MINIMUM 2 PLACES WITH SUITABLE SIZE. GI FLAT.
16. CABLE TRAY DROPS AND FLOOR MOUNTED CABLE TRAY SHALL HAVE COVER.
17. OUTDOOR TYPE CABLE TRAYS SHALL BE HOT DIP G.I

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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
					CLEARED									

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
GROUND FLOOR -AT SERVICE MEZZANINE LEVEL -CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT

FOR TENDER PURPOSE
DO NOT SCALE

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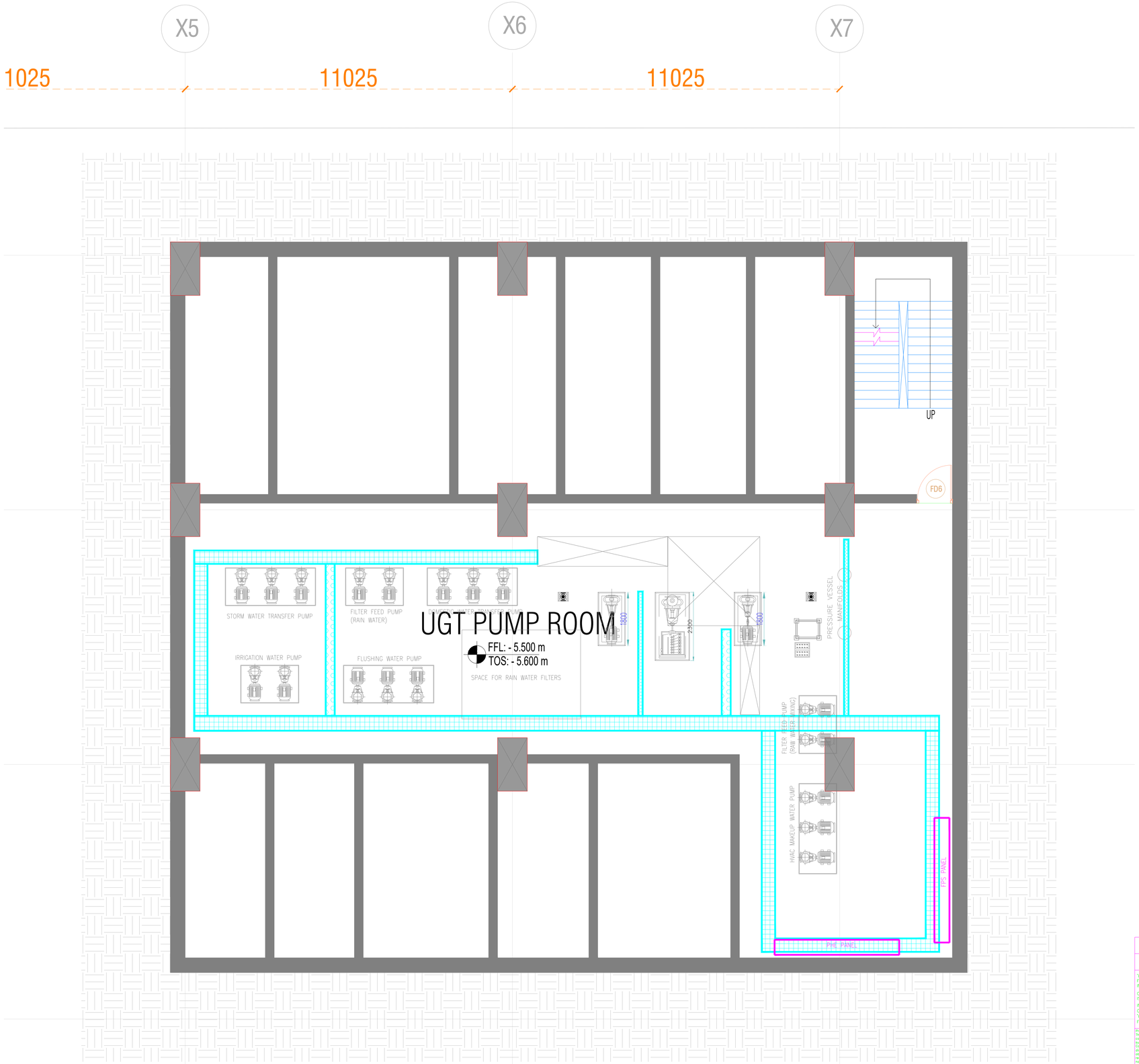
SCALE : 1:150	DWG NO. TCE.13417A-EL-4025-CAT-40165
DC & DISC: MUM-EL	ISSUE R0

FILE NAME : TCE.13417A-EL-4025-CAT-40165

DWG NO: TCE.13417A-EL-4025-CAT-40166

TITLE: UGT- LAYOUT- CEILING CABLE TRAY AND ELECTRICAL EQUIPMENT LAYOUT



KEYPLAN
(NTS)

LEGEND:–

Sr.No.	SYMBOL	DESCRIPTION
1.		1000MM(W)X 75MM(D)X2.5MM (THK) LADDER TYPE CABLE TRAY
2.		750MM(W)X 75MM(D)X2MM (THK) LADDER TYPE CABLE TRAY
3.		600MM(W)X 75MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
4.		450MM(W)X 62.5MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
5.		300MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
4.		150MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
5.		500MM(W)X 500MM(D) BUSDUCT

NOTES: –

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. CABLE ENTRY TO ALL PANELS, SWITCHBOARDS AND RECEPTACLES SHALL BE FROM TOP.
3. ALL CABLE TRAY & ACCESSORIES SHALL CONFORM TO THE RELEVANT INDIAN STANDARD SPECIFICATION UNLESS OTHERWISE SPECIFIED.
4. THE MINIMUM BENDING RADIUS FOR ALL LT POWER CABLES SHALL BE 12"D".
5. CABLE TRAY SUPPORTS SHALL BE SUITABLE FOR LOADING OF 110KG/M CABLE WEIGHT PER TRAY AND ADDITIONAL TRAY WEIGHT.
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15. EACH PANEL TO BE EARTHED AT MINIMUM 2 PLACES WITH SUITABLE SIZE. GI FLAT.
16. CABLE TRAY DROPS AND FLOOR MOUNTED CABLE TRAY SHALL HAVE COVER.
17. OUTDOOR TYPE CABLE TRAYS SHALL BE HOT DIP G.I

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R0	SIGN.												24-07-2024
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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
					CLEARED									

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

FOR TENDER PURPOSE

DO NOT SCALE

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SCALE : 1:200	DWG NO. TCE.13417A-EL-4025-CAT-40166	ISSUE R0
DC & DISC : MUM-EL		

FILE NAME : TCE.13417A-EL-4025-CAT-40166

SIZE-A1

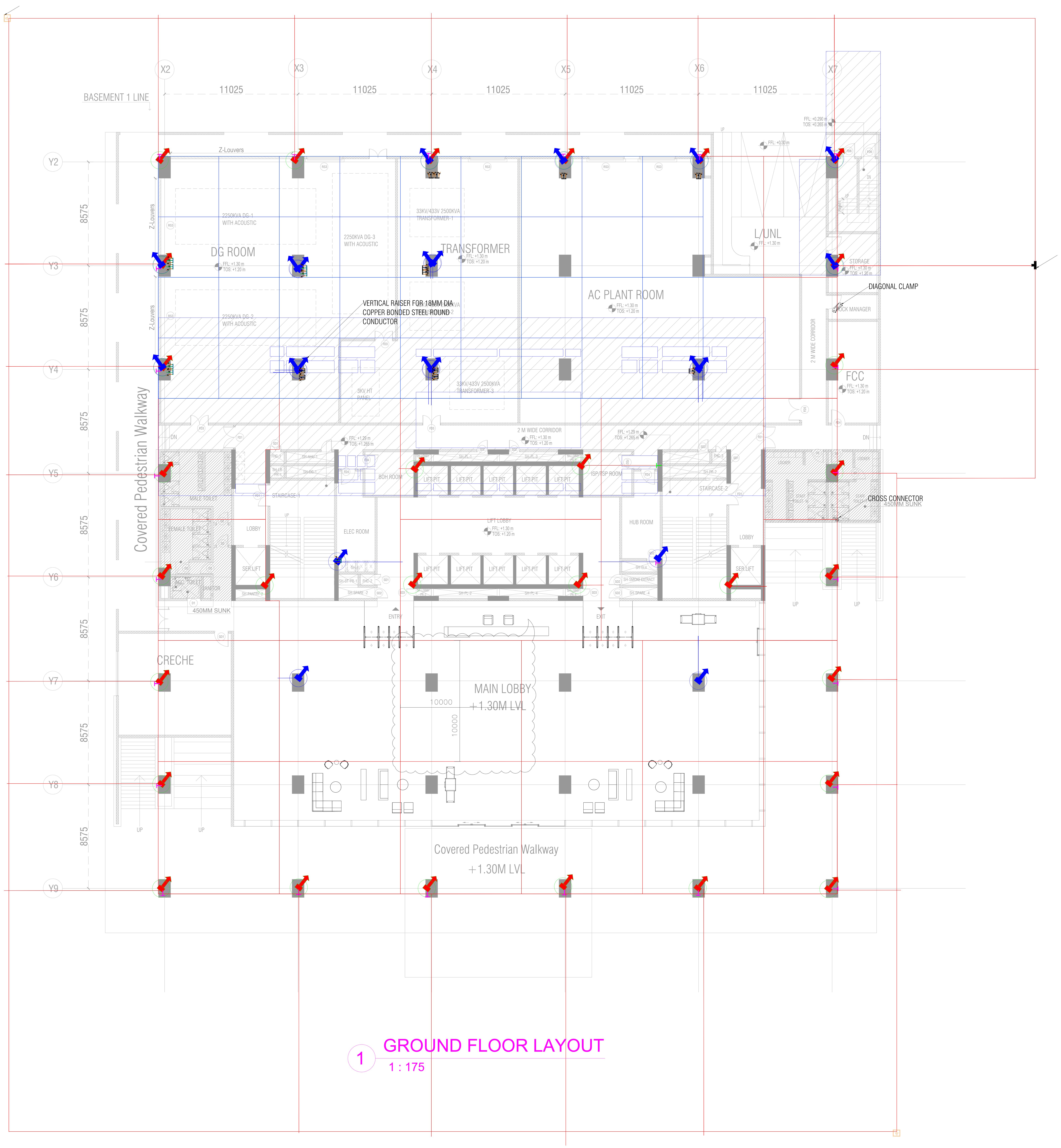
FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

TCE.13417A-EL-4027-SE-40169

STRUCTURAL EARTHING LAYOUT

GROUND FLOOR -



GROUND FLOOR LAYOUT

1 : 175

KEYPLAN

(NTS)

LEGEND:—

Symbol	Description
	10 MM COPPER BONDED STEEL ROUND CONDUCTOR
	8MM ALUMINIUM ROUND CONDUCTOR
	CROSS CONNECTOR
	BONDING CLAMP
	EXPANSION PIECE WITH CONNECTOR
	DIAGONAL CLAMP
	EARTH STUD (ES1)
	4MTR VERTICAL AIRTERMINAL
	VERTICAL RAISER FOR 10MM DIA COPPER BONDED STEEL ROUND CONDUCTOR
	EARTH STUD (ES5CU)
	4MTR VERTICAL AIR TERMINAL
	VERTICAL RAISER FOR 18MM DIA COPPER BONDED STEEL ROUND CONDUCTOR
	EARTH STUD (ES3SS)
	EXOTHERMIC WELDING
	TERRACE CONDUCTOR HOLDER
	STRAIGHT CONNECTOR
	EARTH STUD (ES3CU)
	METAL CONDUCTOR HOLDER
	PARAPET CONDUCTOR HOLDER

FOR TENDER PURPOSE

DO NOT SCALE

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FILE NAME : TCE.13417A-EL-4027-SE-40169

ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
	SIGN. / INITIALS													
	REVISIONS													
R0	SIGN. / INITIALS	NMD	NNP	AM	-	-	-	-	-	-	-	AM	AM	24-07-2024

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CLIENT :

TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

E D I F I C E

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

GROUND FLOOR -

STRUCTURAL EARTHING LAYOUT

SCALE : AS INDICATED

DC & DISC : MUM-EL

DWG NO. TCE.13417A-EL-4027-SE-40169

ISSUE R0

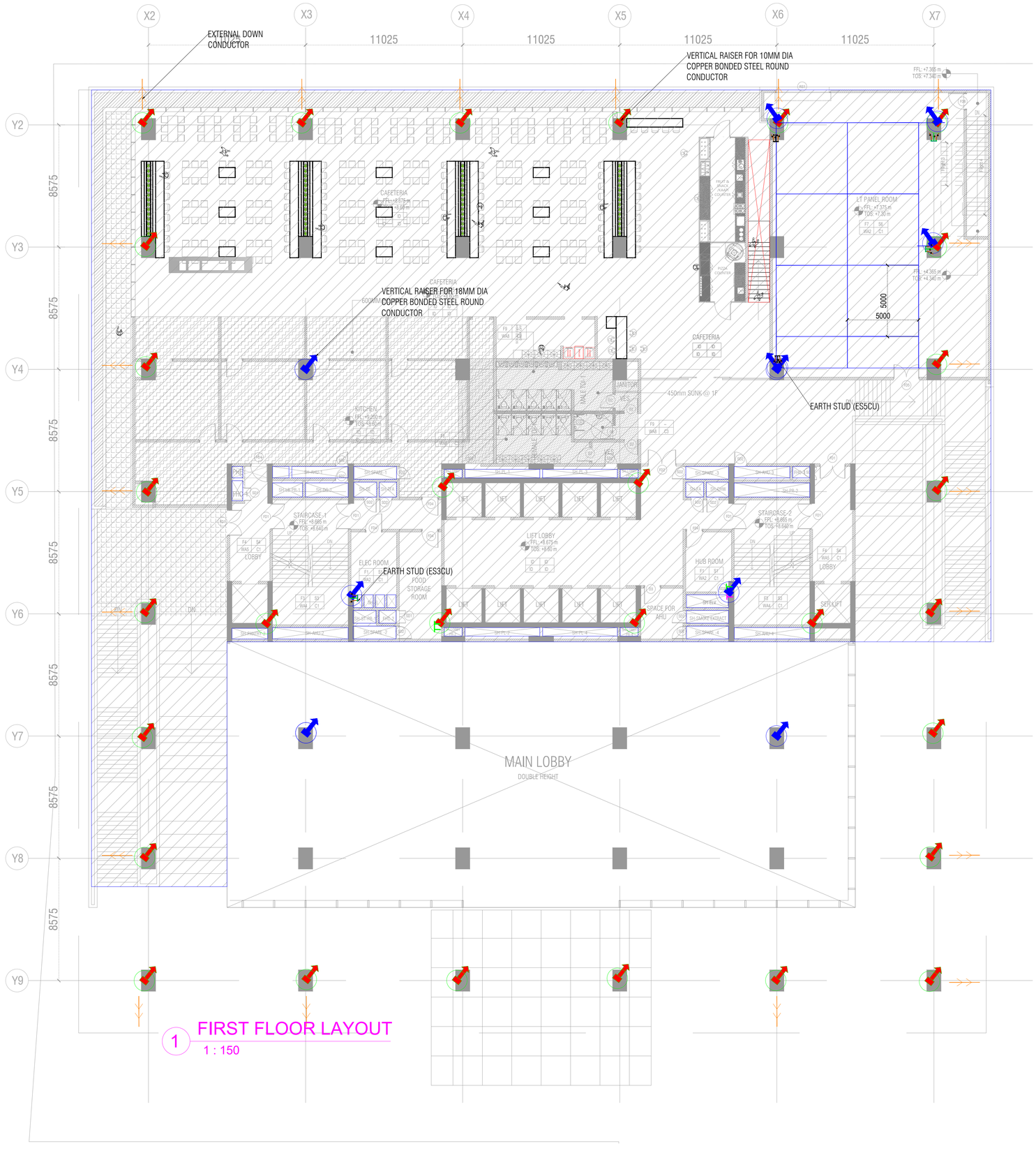
SIZE-A1

TCE FORM NO. 091 R1

FILE NAME: F-091-Rev-R1.dwg

TITLE: FIRST FLOOR - STRUCTURAL EARTHING LAYOUT

DWG NO: TCE.13417A-EL-4027-SE-40170



1 FIRST FLOOR LAYOUT
1 : 150

N

KEYPLAN
(NTS)

LEGEND:–

	10 MM COPPER BONDED STEEL ROUND CONDUCTOR
	8MM ALUMINIUM ROUND CONDUCTOR
	CROSS CONNECTOR
	BONDING CLAMP
	EXPANSION PIECE WITH CONNECTOR
	DIAGONAL CLAMP
	EARTH STUD (ES1)
	4MTR VERTICAL AIRTERMINAL
	VERTICAL RAISER FOR 10MM DIA COPPER BONDED STEEL ROUND CONDUCTOR
	EARTH STUD (ES5CU)
	4MTR VERTICAL AIR TERMINAL
	VERTICAL RAISER FOR 18MM DIA COPPER BONDED STEEL ROUND CONDUCTOR
	EARTH STUD (ES3SS)
	EXOTHERMIC WELDING
	TERRACE CONDUCTOR HOLDER
	STRAIGHT CONNECTOR
	EARTH STUD (ES3CU)
	METAL CONDUCTOR HOLDER
	PARAPET CONDUCTOR HOLDER

	SIGN.													
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	REVISIONS													
R0	SIGN.													24-07-2024
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ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
					CLEARED									

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
FIRST FLOOR-
STRUCTURAL EARTHING LAYOUT

FOR TENDER PURPOSE

DO NOT SCALE

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FILE NAME : TCE.13417A-EL-4027-SE-40170

SCALE : AS INDICATED
DC & DISC: MUM-EL

DWG NO. TCE.13417A-EL-4027-SE-40170

ISSUE R0

SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

TITLE: SECOND FLOOR - STRUCTURAL EARTHING LAYOUT

DWG. NO: TCE.13417A-EL-4027-SE-40171

1 SECOND FLOOR LAYOUT

1 : 150

N

KEYPLAN

(NTS)

LEGEND:–

	10 MM COPPER BONDED STEEL ROUND CONDUCTOR
	8MM ALUMINIUM ROUND CONDUCTOR
	CROSS CONNECTOR
	BONDING CLAMP
	EXPANSION PIECE WITH CONNECTOR
	DIAGONAL CLAMP
	EARTH STUD (ES1)
	4MTR VERTICAL AIRTERMINAL
	VERTICAL RAISER FOR 10MM DIA COPPER BONDED STEEL ROUND CONDUCTOR
	EARTH STUD (ES5CU)
	4MTR VERTICAL AIR TERMINAL
	VERTICAL RAISER FOR 18MM DIA COPPER BONDED STEEL ROUND CONDUCTOR
	EARTH STUD (ES3SS)
	EXOTHERMIC WELDING
	TERRACE CONDUCTOR HOLDER
	STRAIGHT CONNECTOR
	EARTH STUD (ES3CU)
	METAL CONDUCTOR HOLDER
	PARAPET CONDUCTOR HOLDER

	SIGN.													
	INITIALS													
	REVISIONS													
R0	SIGN.													24-07-2024
	INITIALS	NMD	NNP	AM	-	-	-	-	-	-	-	AM	AM	
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
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FOR TENDER PURPOSE

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FILE NAME : TCE.13417A-EL-4027-SE-40171

CLIENT : TIDEL

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

SECOND FLOOR -

STRUCTURAL EARTHING LAYOUT

SCALE	: AS INDICATED	DWG NO.	ISSUE
DC & DISC:	MUM-EL	TCE.13417A-EL-4027-SE-40171	R0

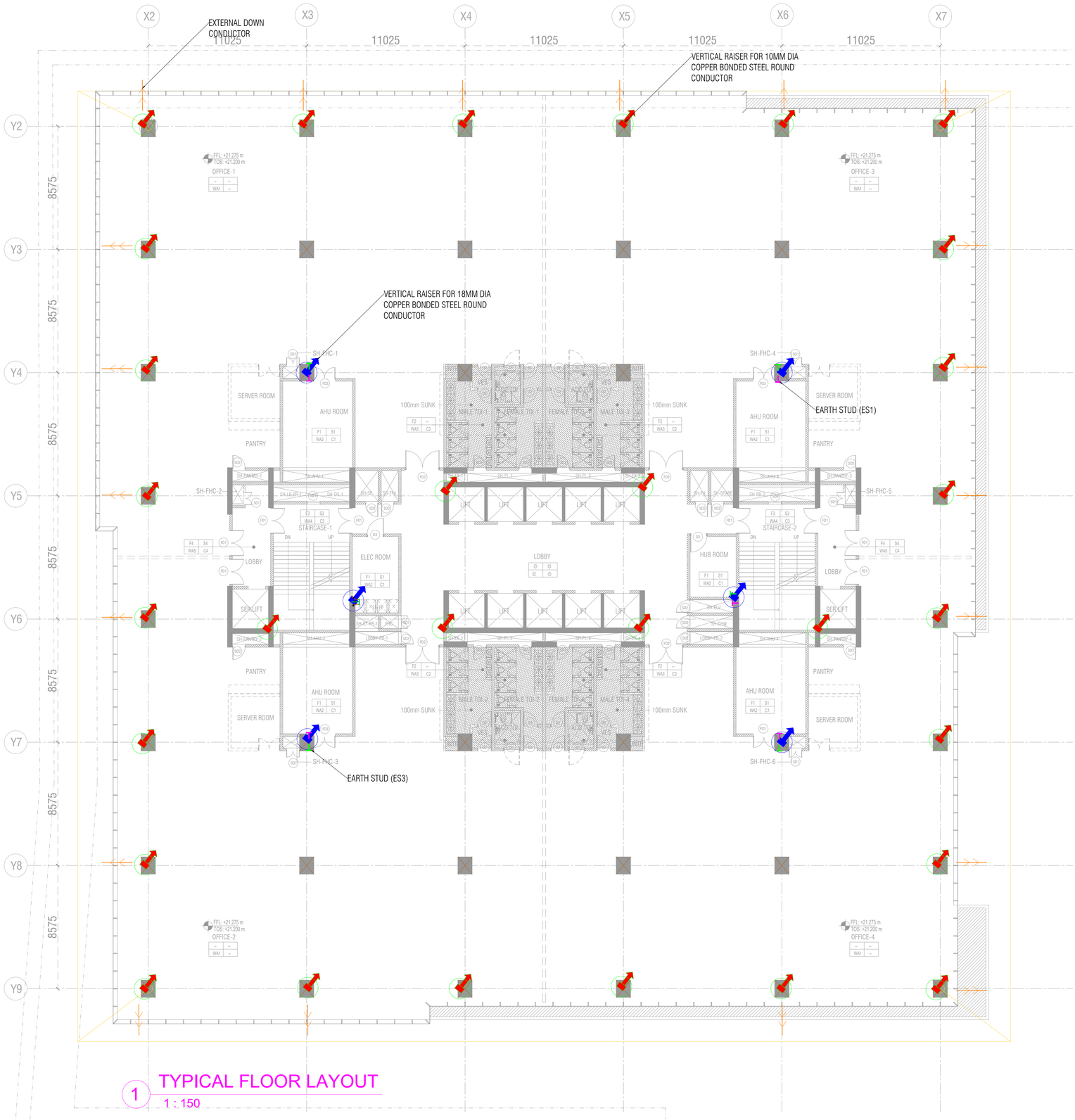
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

TITLE: THIRD TO TWELVTH FLOOR (TYPICAL) - STRUCTURAL EARTHING LAYOUT

DWG. NO: TCE.13417A-EL-4027-SE-40172



1 TYPICAL FLOOR LAYOUT

1 : 150

N

KEYPLAN
(NTS)

LEGEND:–

	10 MM COPPER BONDED STEEL ROUND CONDUCTOR
	8MM ALUMINIUM ROUND CONDUCTOR
	CROSS CONNECTOR
	BONDING CLAMP
	EXPANSION PIECE WITH CONNECTOR
	DIAGONAL CLAMP
	EARTH STUD (ES1)
	4MTR VERTICAL AIRTERMINAL
	VERTICAL RAISER FOR 10MM DIA COPPER BONDED STEEL ROUND CONDUCTOR
	EARTH STUD (ES5CU)
	4MTR VERTICAL AIR TERMINAL
	VERTICAL RAISER FOR 18MM DIA COPPER BONDED STEEL ROUND CONDUCTOR
	EARTH STUD (ES3SS)
	EXOTHERMIC WELDING
	TERRACE CONDUCTOR HOLDER
	STRAIGHT CONNECTOR
	EARTH STUD (ES3CU)
	METAL CONDUCTOR HOLDER
	PARAPET CONDUCTOR HOLDER

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R0	SIGN. INITIALS	NMD	NNP	AM	-	-	-	-	-	-	-	AM	AM	24-07-2024
ISSUE					CLEARED									DATE DD-MM-YYY

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:

THIRD TO TWELVTH FLOOR (TYPICAL) -
STRUCTURAL EARTHING LAYOUT

SCALE : AS INDICATED
DC & DISC : MUM-EL
DWG NO. TCE.13417A-EL-4027-SE-40172
ISSUE R0
SIZE-A1

FOR TENDER PURPOSE

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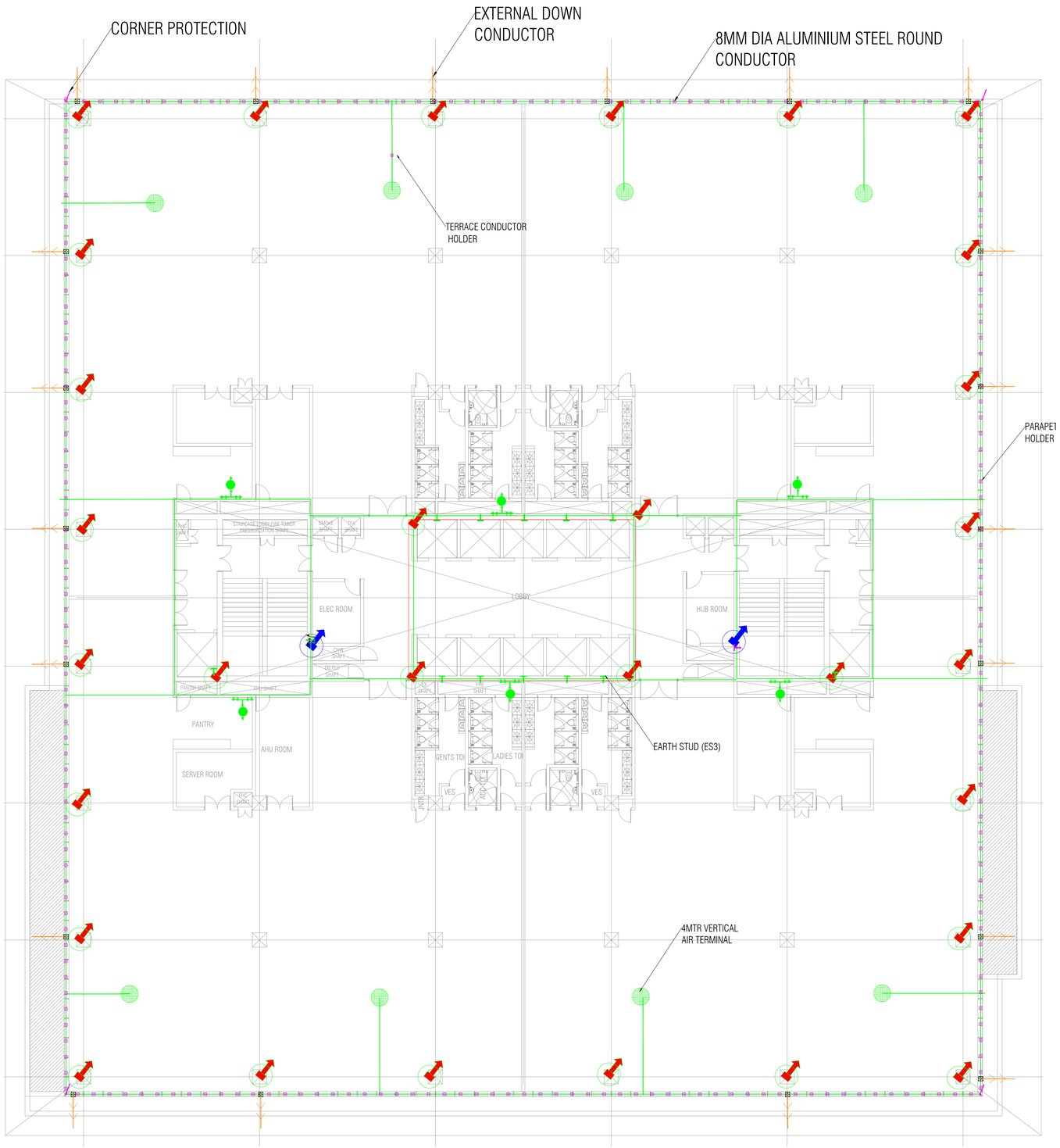
FILE NAME : TCE.13417A-EL-4027-SE-40172

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1

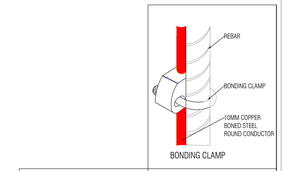
TITLE: TERRACE FLOOR - STRUCTURAL EARTHING LAYOUT

DWG NO: TCE.13417A-EL-4027-SE-40182

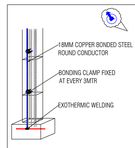


1 TERRACE FLOOR LAYOUT

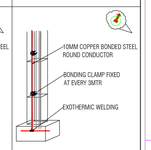
1 : 150



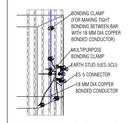
BONDING CLAMP



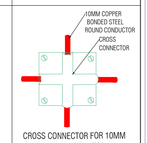
VERTICAL RAISER DETAILS



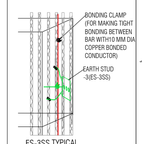
VERTICAL RAISER DETAILS



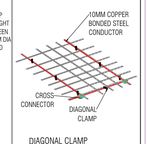
ES-5CU TYPICAL INSTALLATION IN COLUMN



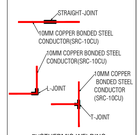
CROSS CONNECTOR FOR 10MM CU BONDED CONDUCTOR AT EVERY CROSS CONNECTION



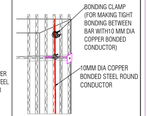
ES-3SS TYPICAL INSTALLATION IN COLUMN



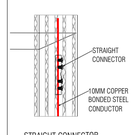
DIAGONAL CLAMP TYPICAL INSTALLATION



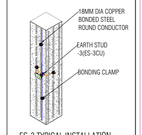
EXOTHERMIC WELDING



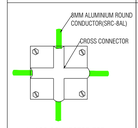
TYPICAL INSTALLATION OF EARTH STUD - 1



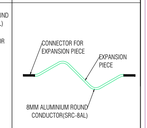
STRAIGHT CONNECTOR



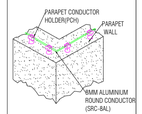
ES-3 TYPICAL INSTALLATION IN COLUMN



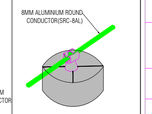
CROSS CONNECTOR FOR 8 MM Al CONDUCTOR AT EVERY CROSS CONNECTION



EXPANSION JOINT WITH CONNECTOR AT EVERY 20M



CONDUCTOR HOLDER AT EVERY 1M FOR PARAPET AND SIDE WALLS



TERRACE HOLDER AT EVERY 1M DISTANCE FOR FLAT SURFACE

KEYPLAN
(NTS)

LEGEND:–

	10 MM COPPER BONDED STEEL ROUND CONDUCTOR
	8MM ALUMINIUM ROUND CONDUCTOR
	CROSS CONNECTOR
	BONDING CLAMP
	EXPANSION PIECE WITH CONNECTOR
	DIAGONAL CLAMP
	EARTH STUD (ES1)
	4MTR VERTICAL AIRTERMINAL
	VERTICAL RAISER FOR 10MM DIA COPPER BONDED STEEL ROUND CONDUCTOR
	EARTH STUD (ES5CU)
	4MTR VERTICAL AIR TERMINAL
	VERTICAL RAISER FOR 18MM DIA COPPER BONDED STEEL ROUND CONDUCTOR
	EARTH STUD (ES3SS)
	EXOTHERMIC WELDING
	TERRACE CONDUCTOR HOLDER
	STRAIGHT CONNECTOR
	EARTH STUD (ES3CU)
	METAL CONDUCTOR HOLDER
	PARAPET CONDUCTOR HOLDER

NOTES:–

AIR TERMINATION :

1) Level II Protection based on the risk assessment.
2) Vertical air terminal considered at the top of the building covering all corners.
3) Fixing support for the conductor considered at every 1 mtr.
4) 8mm Round Solid Aluminium alloy considered as conductor.
5) Expansion joints as well as accessories such as cross connectors, straight connectors included confirming IS/IEC 62305.

	SIGN.												
	INITIALS												
	REVISIONS												
R0	SIGN.												
	INITIALS	NMD	NNP	AM	-	-	-	-	-	-	AM	AM	24-07-2024
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	PE/PM	APPD	DATE DD-MM-YYY
					CLEARED									

FOR TENDER PURPOSE

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FILE NAME : TCE.13417A-EL-4027-SE-40182

CLIENT :

TIDEL PARK LIMITED

PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :

EDIFICE

EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

TITLE:

TERRACE FLOOR -

STRUCTURAL EARTHING LAYOUT

SCALE : AS INDICATED	DWG NO.	ISSUE
DC & DISC : MUM-EL	TCE.13417A-EL-4027-SE-40182	R0

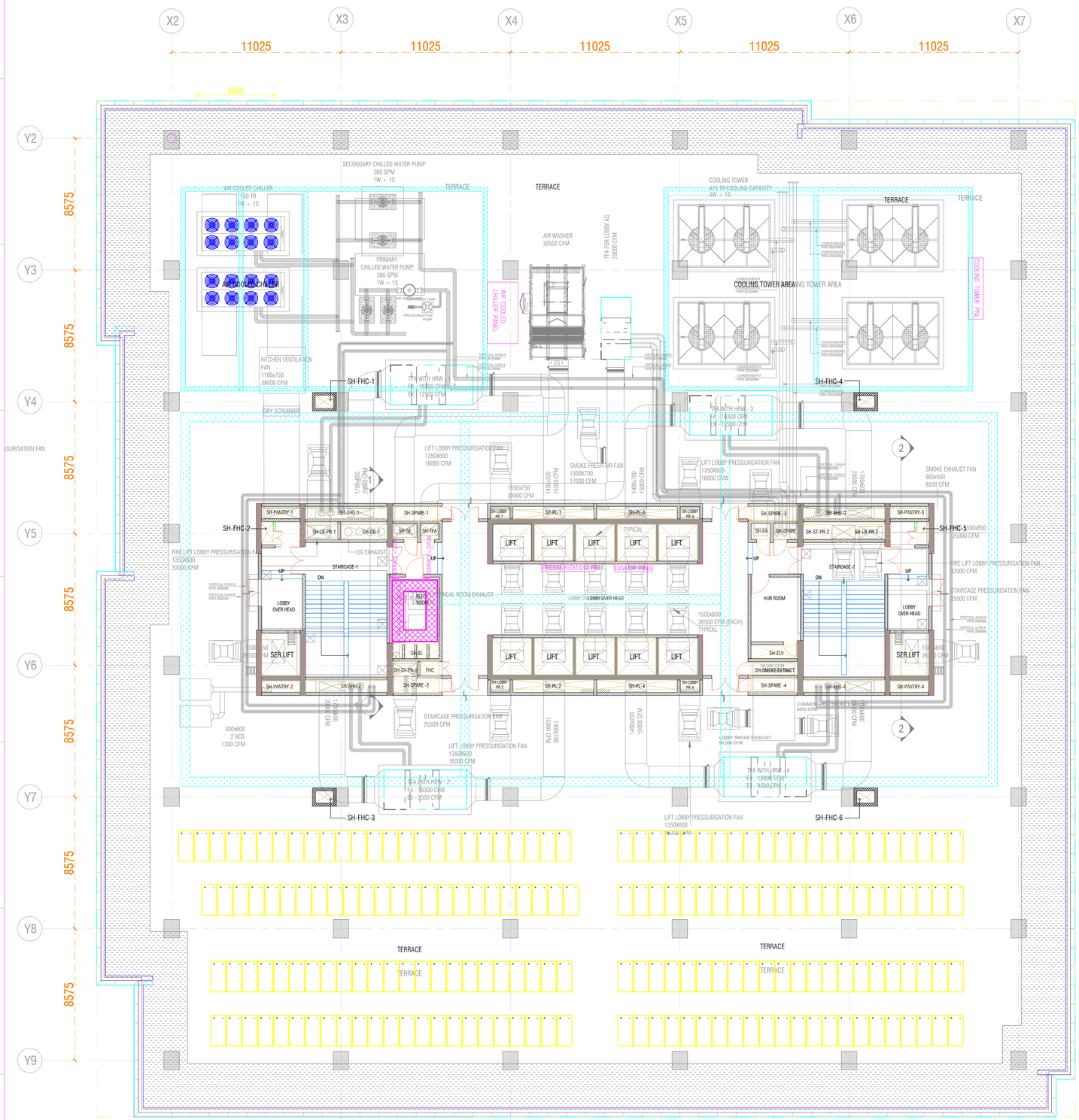
SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

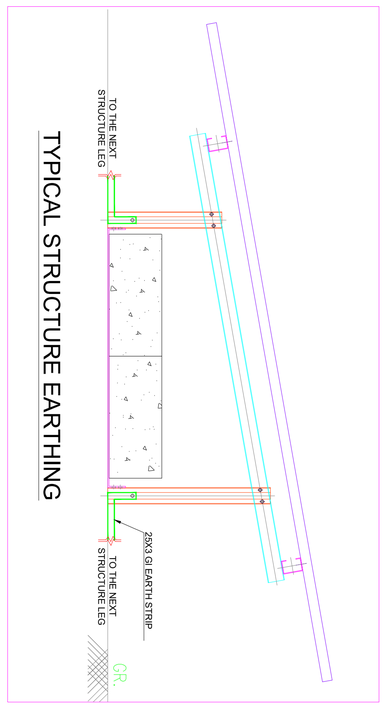
TCE FORM NO. 091 R1

TITLE: TIDEL PARK MADURAI
ROOF TOP SOLAR PV SYSTEM LAYOUT

DWG NO: TCE.13417A-EL-4027-SE-40183



1 TERRACE FLOOR LAYOUT
1 : 150



N

KEYPLAN
(NTS)

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. CABLE ENTRY TO ALL PANELS, SWITCHBOARDS AND RECEPTACLES SHALL BE FROM TOP.
3. ALL CABLE TRAY & ACCESSORIES SHALL CONFORM TO THE RELEVANT INDIAN STANDARD . SPECIFICATION UNLESS OTHERWISE SPECIFIED.
4. THE MINIMUM BENDING RADIUS FOR ALL LT POWER CABLES SHALL BE 12'D'.
5. CABLE TRAY SUPPORTS SHALL BE SUITABLE FOR LOADING OF 110KG/M CABLE WEIGHT PER TRAY AND ADDITIONAL TRAY WEIGHT.
6. CABLE TRAY LAYOUT DRAWING PREPARED BY ELECTRICAL CONTRACTOR SHALL BE FURNISHED TO CIVIL CONTRACTOR FOR PREPARING THEIR RESPECTIVE CO-ORDINATED DRAWING WITH OTHER EQUIPMENT FOUNDATIONS, PIPE SLEEVES, CUTOUTS, ETC.
7. THE WELDING OF CABLE TRAY SHALL NOT BE DONE IN THE VICINITY OF THE CABLES TO AVOID DAMAGE TO THE CABLES.
8. EQUIPMENT DIMENSIONS & LOCATIONS ARE INDICATIVE AND SUBJECT TO CHANGE AS PER ACTUAL EQUIPMENT SIZES.
9. MINOR CHANGES IN LOCATION OF EQUIPMENTS SHALL BE DONE IN CONSULTATION WITH TCE.
10. LOCATIONS OF CABLE TRAY INDICATED ARE TENTATIVE AND CAN BE CHANGED IN CONSULTATION WITH TCE & AS PER SITE CONDITION.
11. SEPARATE TRAYS SHALL BE USED FOR LT & CONTROL/ IBMS CABLES.PROPER ISOLATION SHALL BE PROVIDED IN CASE CROSSING IS UNAVOIDABLE.
12. ALL WELDING SHALL BE MADE BY ELECTRIC ARC WELDING AS PER IS 816. ALL WELDED JOINTS SHALL BE ALLOWED TO COOL DOWN GRADUALLY BEFORE PUTTING ANY LOAD ON THEM. ARTIFICIAL COOLING SHALL NOT BE ALLOWED. BENDING OF ROD/ THICK CONDUCTORS SHALL BE DONE BY GAS HEATING.
13. ALL WALL CUTOUTS/ SLEEVES SHALL BE FILLED WITH 2 HOUR FIRE PROOF SEALING AFTER INSTALLATION OF CABLE TRAYS.
14. EARTH STRIP SHALL BE RUN ALONG THE LENGTH AND ON EITHER SIDE OF THE CABLE TRAY. ALL GI STRIP ON THE TRAYS SHALL BE CONNECTED TO MAIN GRID AT MINIMUM 2 PLACES. CABLE TRAYS SHALL BE REGULARLY EARTHED AT 10M INTERVAL.
15. EACH PANEL TO BE EARTHED AT MINIMUM 2 PLACES WITH SUITABLE SIZE. GI FLAT.
16. CABLE TRAY DROPS AND FLOOR MOUNTED CABLE TRAY SHALL HAVE COVER.
17. OUTDOOR TYPE CABLE TRAYS SHALL BE HOT DIP G.I

LEGEND:-

Sr.No.	SYMBOL	DESCRIPTION
1.		1000MM(W)X 75MM(D)X2.5MM (THK) LADDER TYPE CABLE TRAY
2.		750MM(W)X 75MM(D)X2MM (THK) LADDER TYPE CABLE TRAY
3.		600MM(W)X 75MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
4.		450MM(W)X 62.5MM(D)X2MM (THK) PERFORATED TYPE CABLE TRAY
5.		300MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
4.		150MM(W)X 50MM(D)X1.6MM (THK) PERFORATED TYPE CABLE TRAY
5.		500MM(W)X 500MM(D) BUSDUCT
6.		SOLAR PANEL

	SIGN.															
	INITIALS															
	REVISIONS															
R0	SIGN.															
	INITIALS	SBP	NP	AM									AM	AM	24-07-2024	
ISSUE		DRN	DSN	CHD	CV	EL	IC	EV	HVAC	FF	PL	CLEARED	PE/PM	APPD	DATE DD-MM-YYY	

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FILE NAME : TCE.13417A-EL-4027-SE-40183

CLIENT :
TIDEL PARK LIMITED
PROJECT: TIDEL PARK AT MADURAI

ARCHITECT & JV PARTNER :
EDIFICE
EDIFICE CONSULTANTS PVT LTD

DESIGN AND PMC:
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

TITLE:
TIDEL PARK MADURAI
ROOF TOP SOLAR PV SYSTEM LAYOUT

SCALE : 1:150
DC & DISC : MUM-EL
DWG NO. TCE.13417A-EL-4027-SE-40183
ISSUE R0

SIZE-A1

FILE NAME: F-091-Rev-R1.dwg

TCE FORM NO. 091 R1