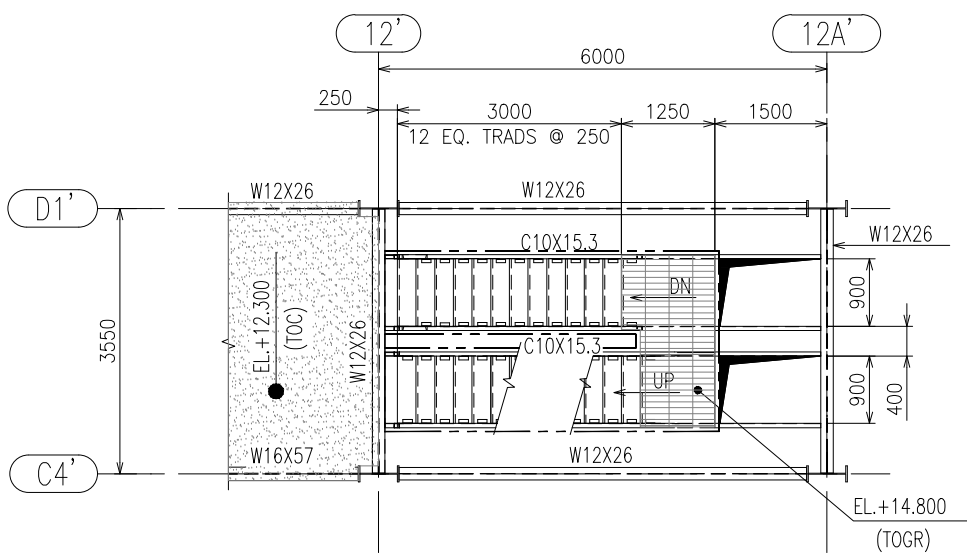
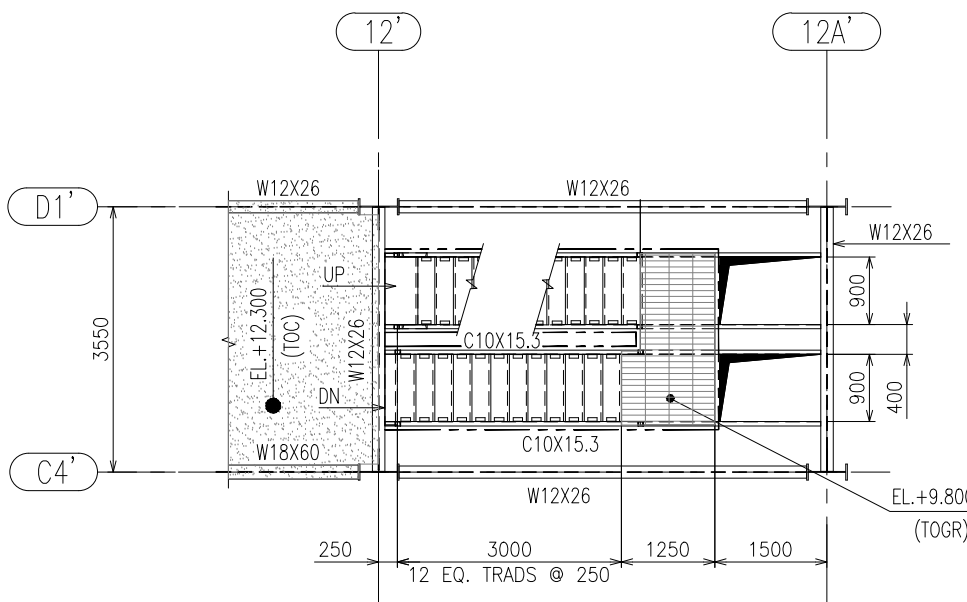


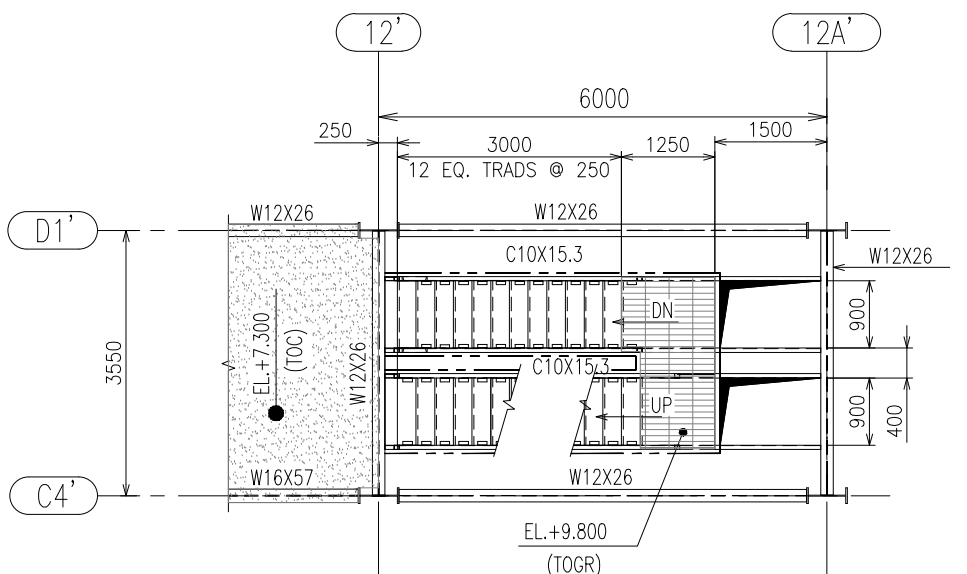
ELEVATION



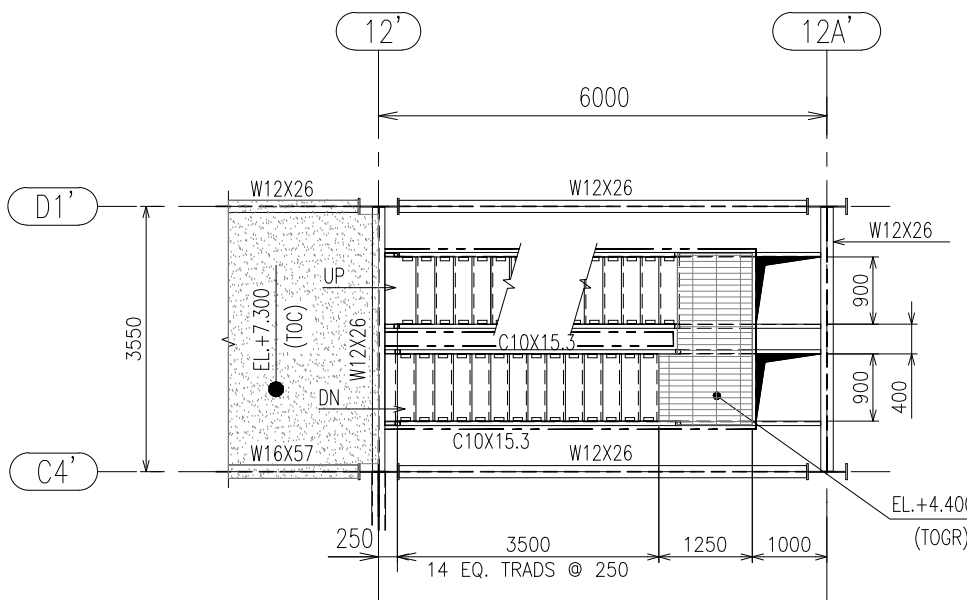
PLAN AT EL. EL.+14.800(TOGR)



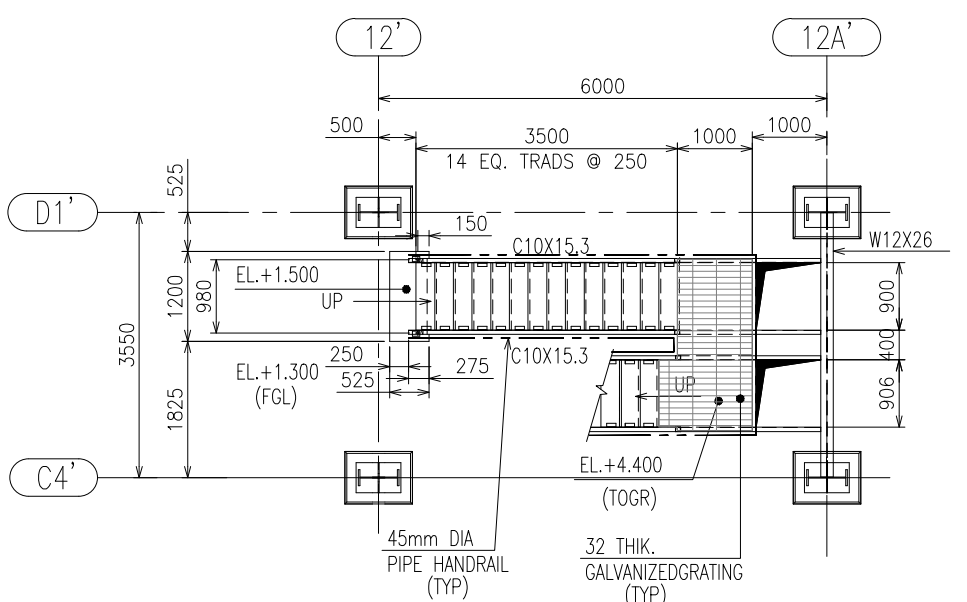
PLAN AT EL. EL.+12.300(TOC)



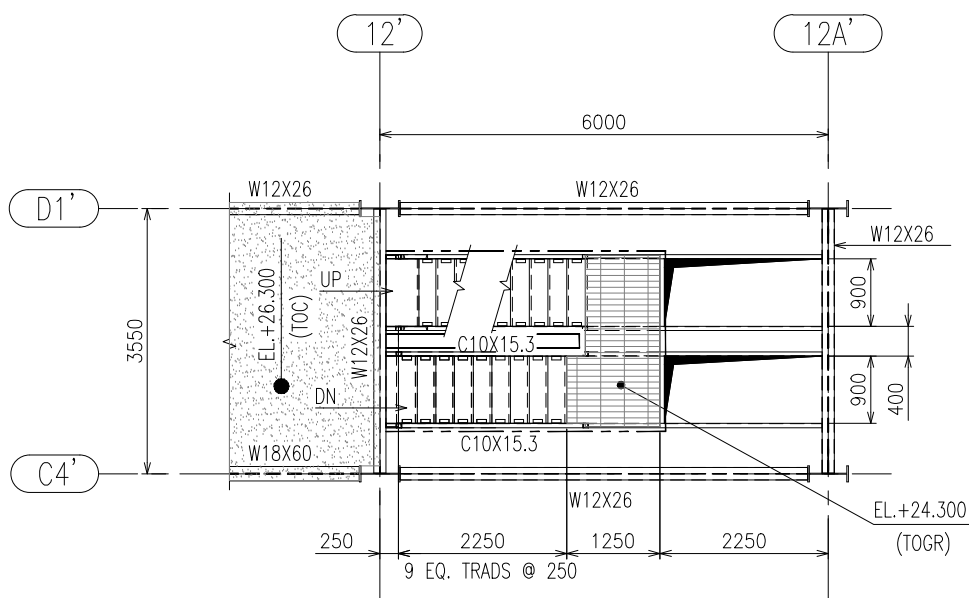
PLAN AT EL. EL.+9.800(TOGR)



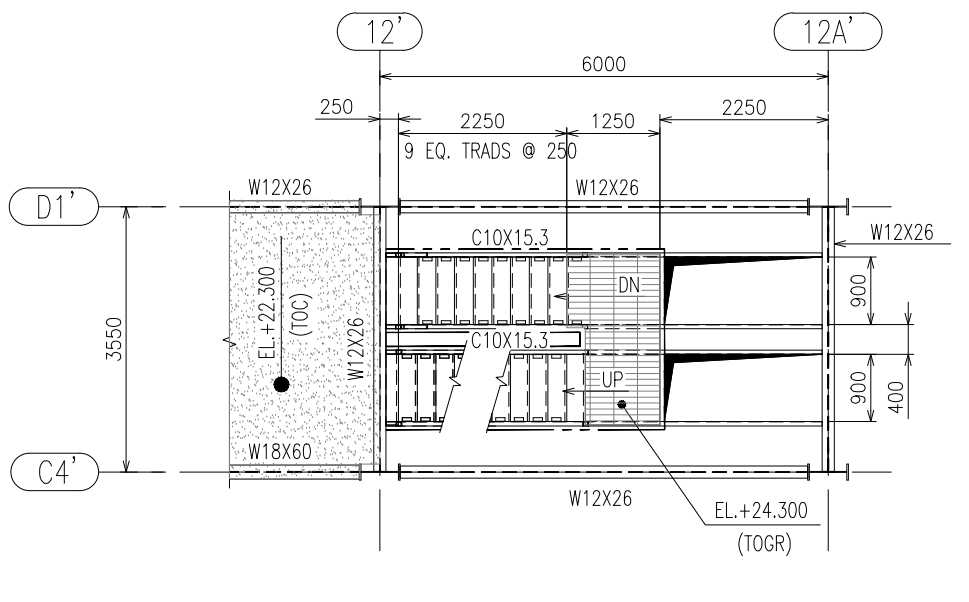
PLAN AT EL. EL.+7.300(TOC)



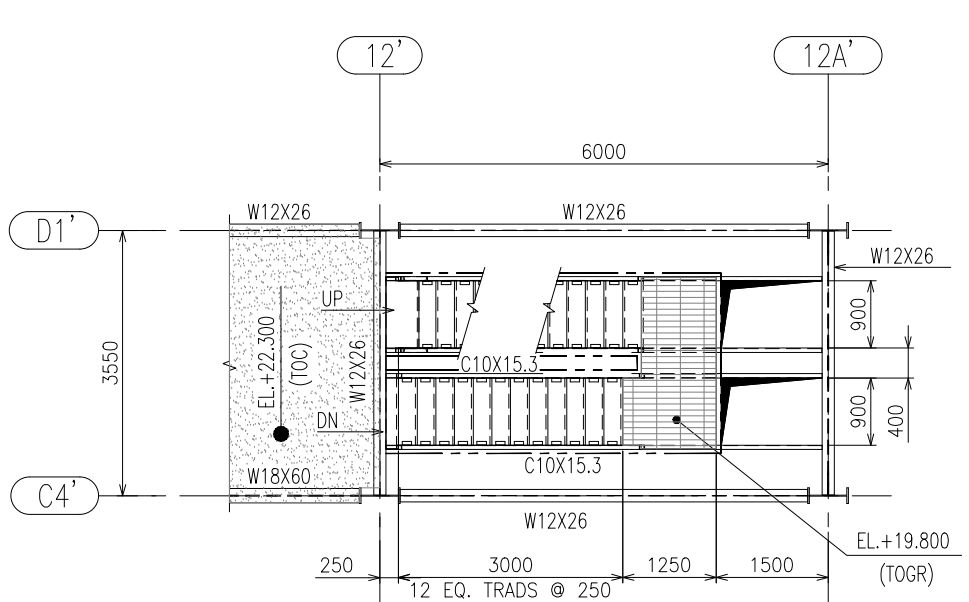
PLAN AT EL. EL.+4.400(TOGR)



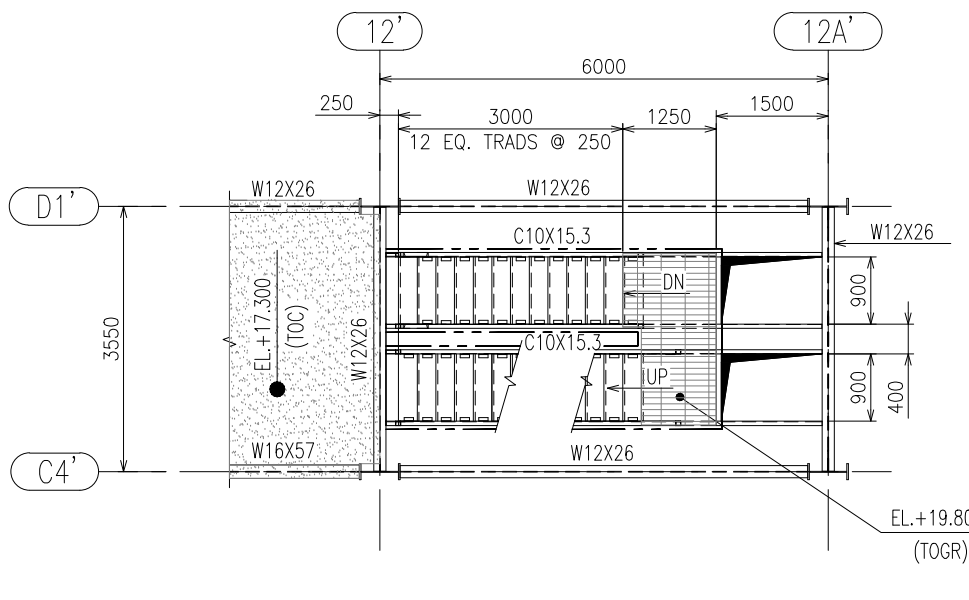
PLAN AT EL. EL.+26.300(TOC)



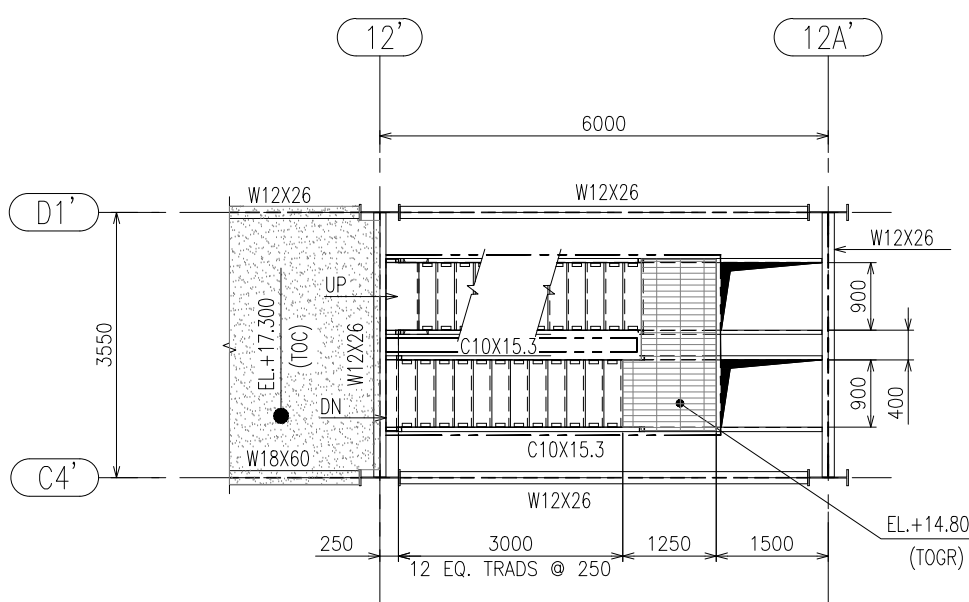
PLAN AT EL. EL.+24.300(TOGR)



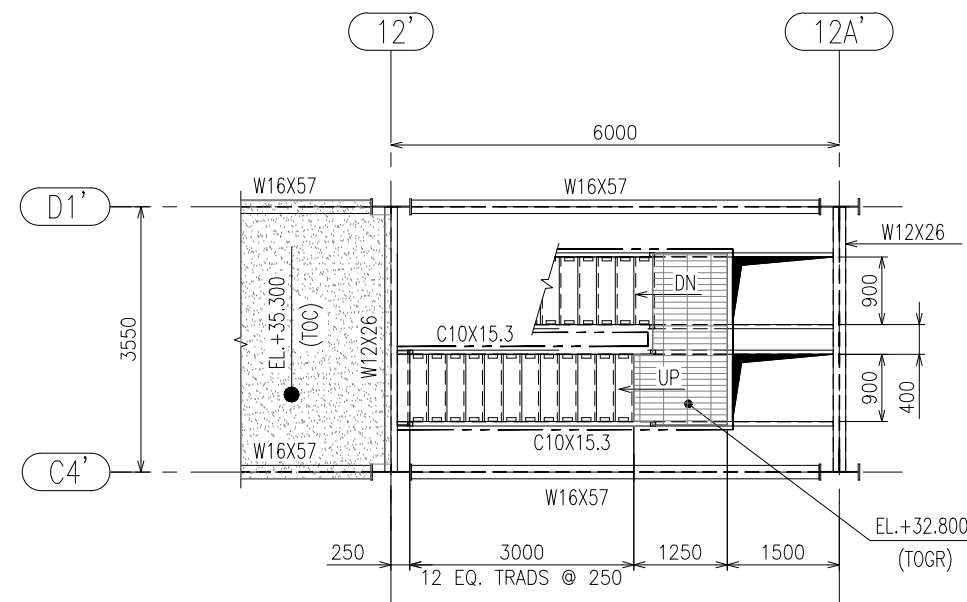
PLAN AT EL. EL.+22.300(TOC)



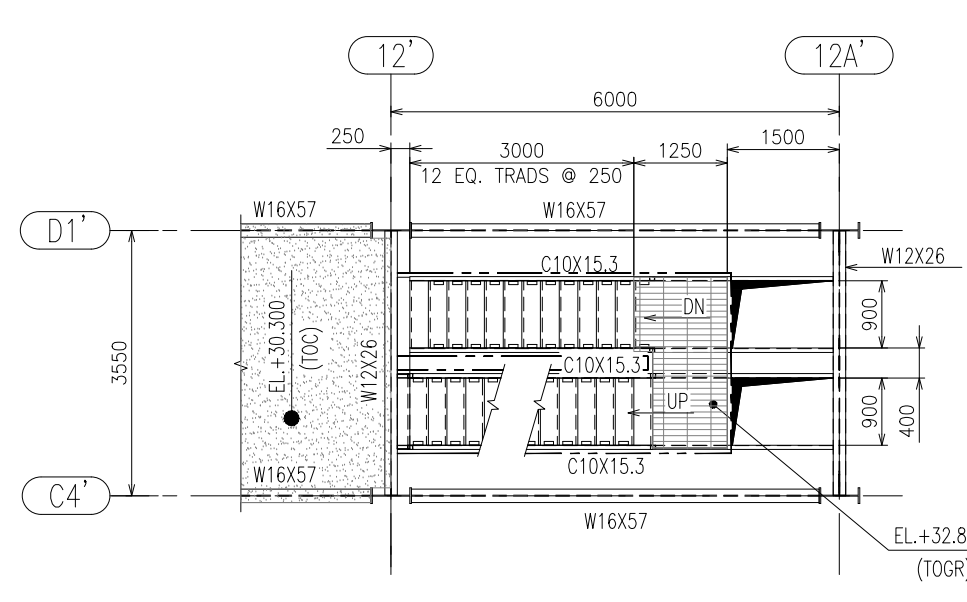
PLAN AT EL. EL.+19.800(TOGR)



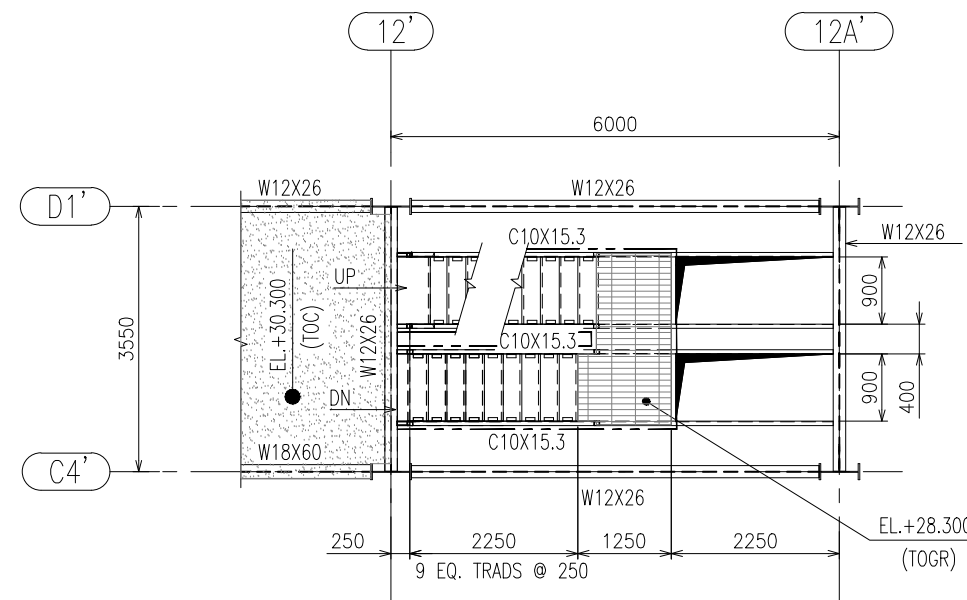
PLAN AT EL. EL.+17.300(TOC)



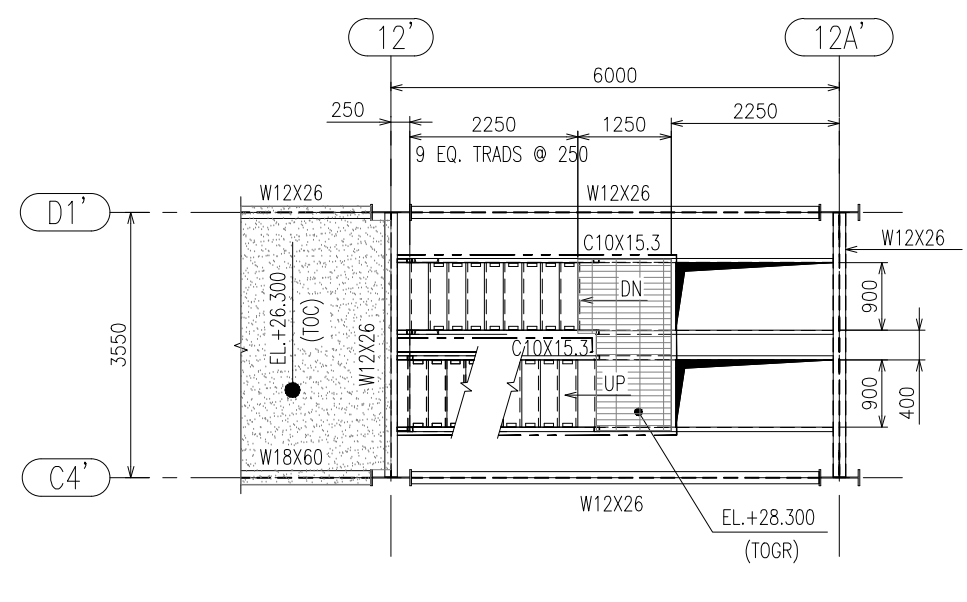
PLAN AT EL. EL.+35.300(TOC)



PLAN AT EL. EL.+32.800(TOGR)



PLAN AT EL. EL.+30.300(TOC)



PLAN AT EL. EL.+28.300(TOGR)

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
- FINISHED FLOOR LEVEL IS AT EL.+1.300 M.
- ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- MATERIALS SHALL BE CONFORMING TO FOLLOWING STANDARDS.
 - Structural Steel
W and WT Shapes : ASTM A 992/A992M
C and L Shapes : ASTM A36/A36M
Structural Steel Plates : ASTM A36/A36M
 - High Strength Bolt
M20, M22 : ASTM A325/A325M Type I
M24 : ASTM A490/A490M
Standard Bolt : ASTM A 307 Grade A
 - Anchor Bolt : ASTM A36/A36M or ASTM F1554 Gr.36
 - Welding Electrode : ANSI / AWS D1.1 Section 3.3
fy = 400 MPa, ft = 480
- PAINING TO STRUCTURAL STEEL SHALL BE AS PER PROJECT SPECIFICATIONS.
- METAL DECK FLOORING SHALL BE OF 0.7MM THICK PLATE WITH STUD. CONCRETE THICKNESS SHALL BE 150 mm.
 - COMPRESSIVE STRENGTH OF CYLINDER AT 28 DAYS SHALL BE AS FOLLOWS:
- STRUCTURAL CONCRETE : $f_c' = 28$ Mpa
- NON STRUCTURAL CONCRETE : $f_c' = 14$ Mpa
- MAIN REINFORCEMENT BAR SHALL BE OF GRADE SASO SSA 2, $f_y = 420$ MPa
- CLADDING AND ROOFING SHEET SHALL BE 0.7mm THICK METAL SHEET.

LEGEND

CL : CENTER LINE
EL : ELEVATION
TOC : TOP OF CONCRETE
TOS : TOP OF STEEL
TOGR : TOP OF GRATING
TYP : TYPICAL
THK.: THICK
UNO : UNLESS NOTED OTHERWISE

03-08-15	01	REVISED AS PER CLIENT COMMENT	APG	AMA	RAR
14-07-15	00	ISSUED FOR APPROVAL	APG	AMA	RAR
DATE	REV	DESCRIPTION	DRN	CKD	APP

CLIENT:

UNIVERSAL CHEMICAL COMPANY

دار الرياض
DAR AL RIYADH
MASDAR SYSTEMS & SOLUTIONS
P.O.BOX 20753, AL KHOBAR 31952
TEL: 8494-111 FAX: 849-3707 E-MAIL: masdar@daralriyadh.com

PROJECT TITLE:
**SYNTHETIC DETERGENT POWDER
PRODUCTION PLANT**

DRAWING TITLE :
**SABIZ TOWER
STAIRCASE DETAIL**

BY	DATE	PROJECT NO:	REF NO:
DRN/CADD	APG	01-03052015	SCALE : 1:100
CHECKED	AMA	DRAWING NO.:	J8371-4-23-031
APPROVED			REV. 01

J8371-4-23-031_R01