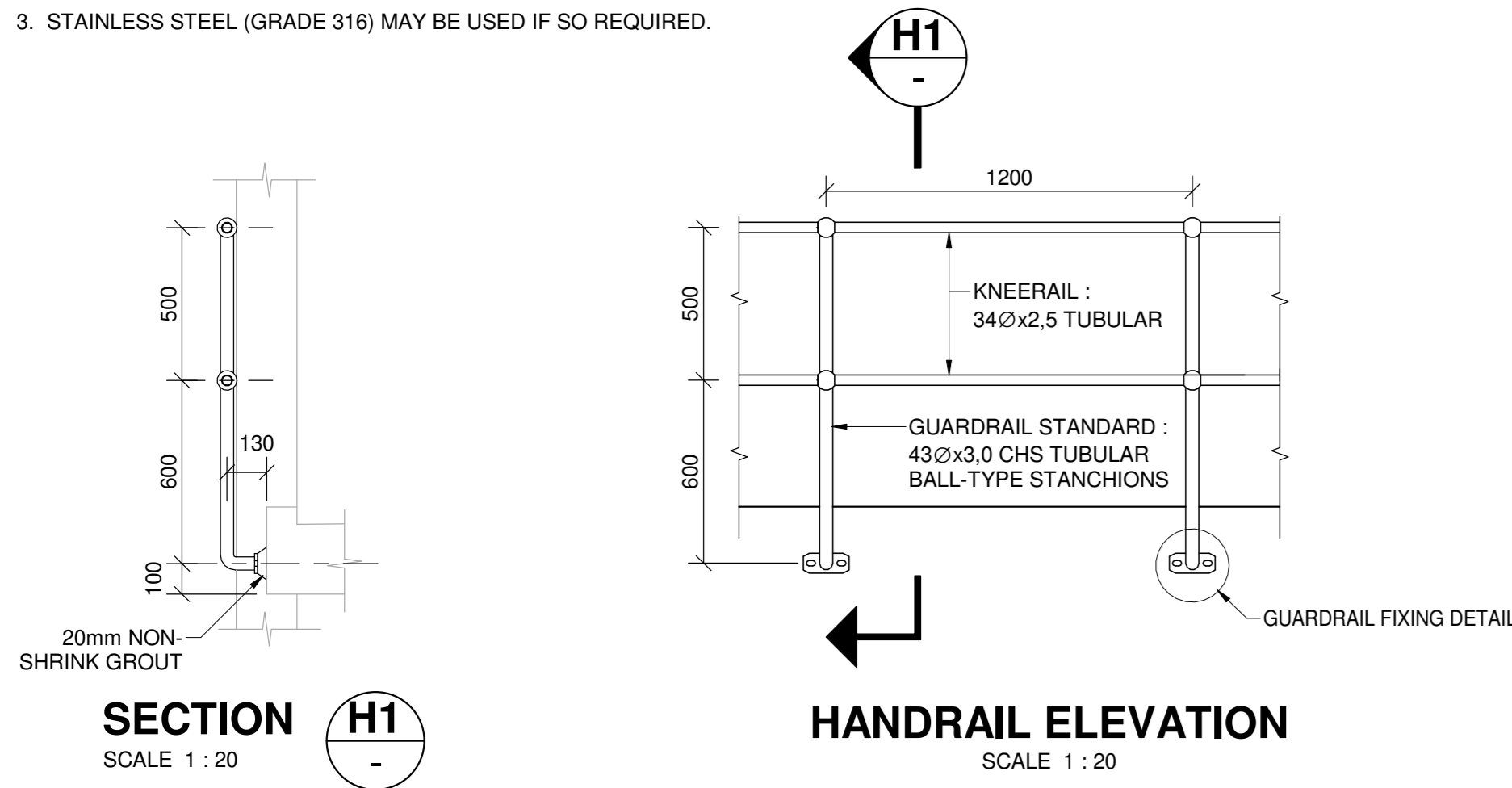
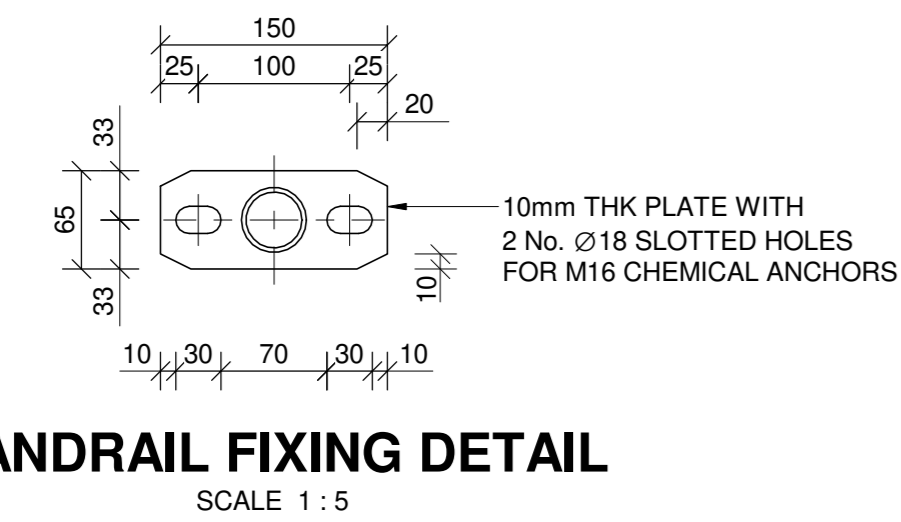


- NOTES:
- HANDRAIL SYSTEM DESIGNED TO RESIST 0.50kN/m (MEDIUM DUTY). (GMS BALL TYPE HANDRAIL OR SIMILAR APPROVED)
  - ALL STRUCTURAL STEEL INCLUDING ANCHORS TO BE GALVANISED
  - STAINLESS STEEL (GRADE 316) MAY BE USED IF SO REQUIRED.



SECTION H1  
SCALE 1 : 20

HANDRAIL ELEVATION  
SCALE 1 : 20



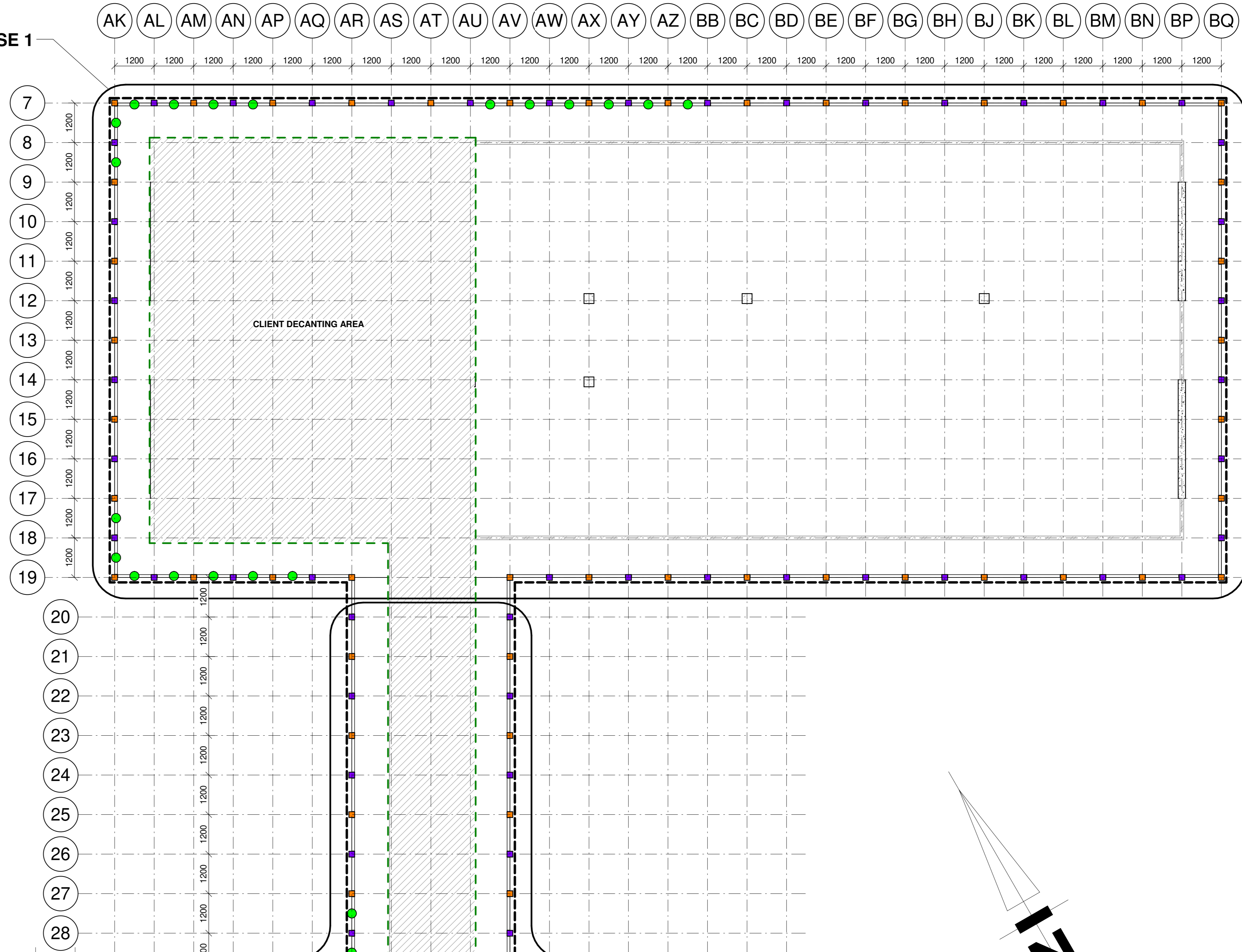
HANDRAIL FIXING DETAIL  
SCALE 1 : 5

- PHASE 1 KEY
- ±77 COLUMNS TO BE REPAIRED AS PER SPECIFICATION
  - PROPOSED COLUMNS TO RECEIVE REMEDIATION DURING PHASE 1: STAGE 1
  - PROPOSED COLUMNS TO RECEIVE REMEDIATION DURING PHASE 1: STAGE 2
  - EMERGENCY PROPPING
  - PROPOSED HANDRAIL

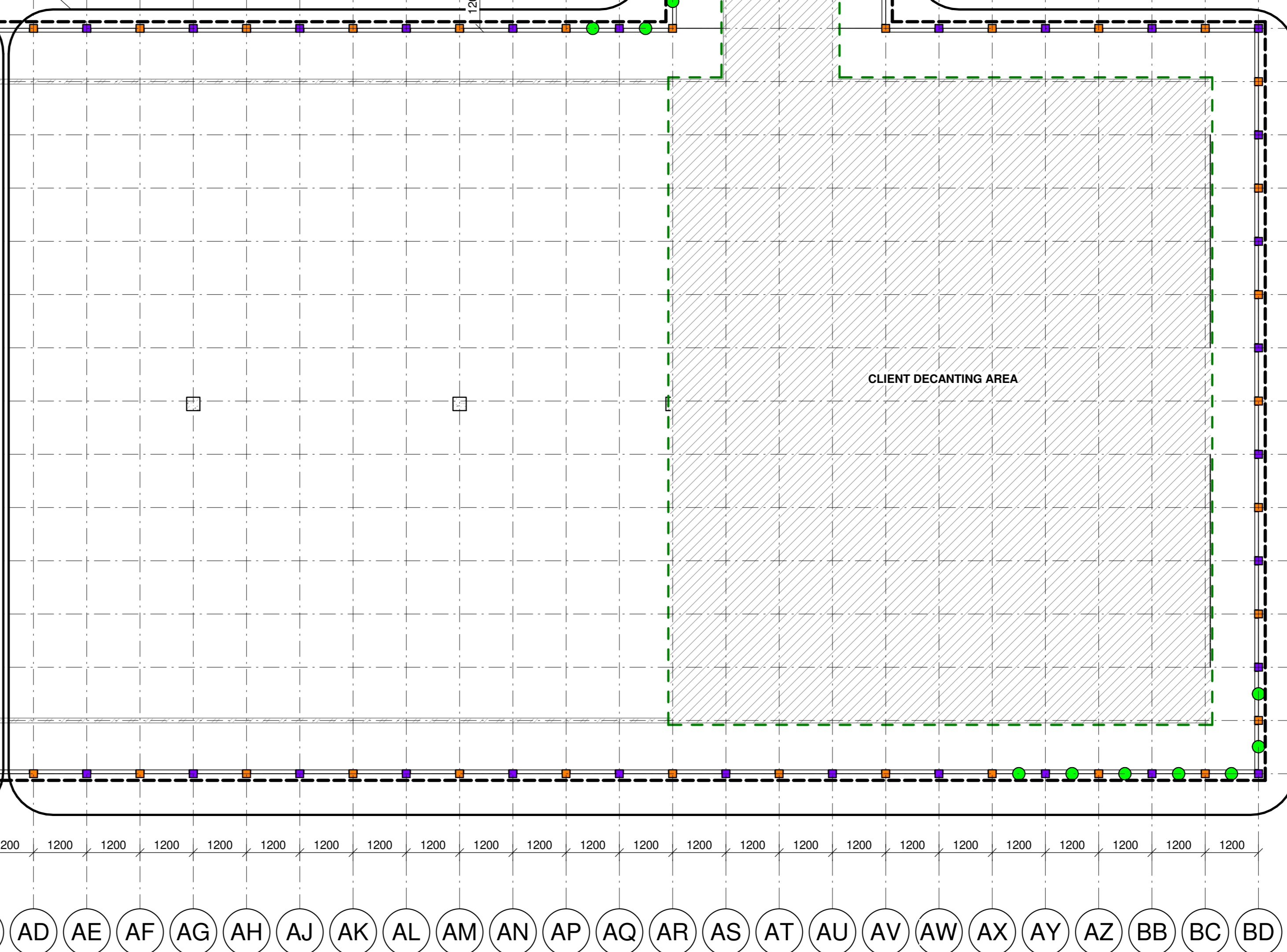
- PHASE 2 KEY
- ±76 COLUMNS TO BE REPAIRED AS PER SPECIFICATION
  - PROPOSED COLUMNS TO RECEIVE REMEDIATION DURING PHASE 2: STAGE 1
  - PROPOSED COLUMNS TO RECEIVE REMEDIATION DURING PHASE 2: STAGE 2
  - EMERGENCY PROPPING

- PHASE 3 KEY
- ±67 COLUMNS TO BE REPAIRED AS PER SPECIFICATION
  - PROPOSED COLUMNS TO RECEIVE REMEDIATION DURING PHASE 3: STAGE 1
  - PROPOSED COLUMNS TO RECEIVE REMEDIATION DURING PHASE 3: STAGE 2
  - EMERGENCY PROPPING

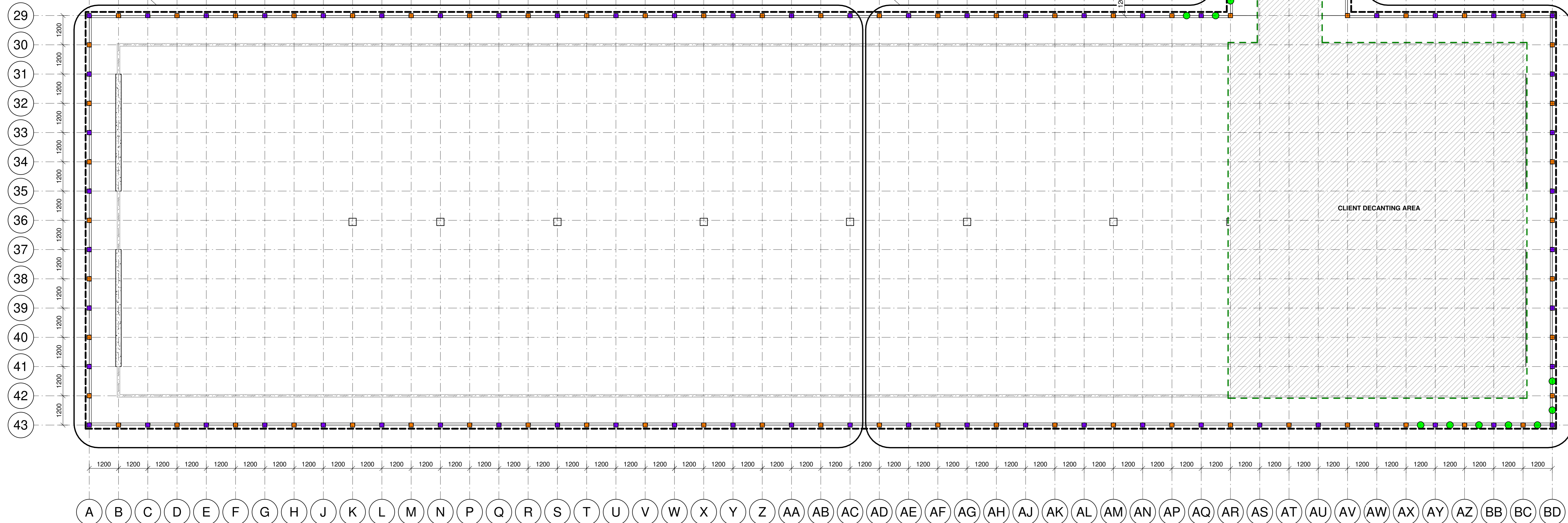
PHASE 1



PHASE 2



PHASE 3



COLUMN REMEDIAL WORK - FIRST FLOOR LAYOUT

SCALE 1 : 75

NOTES / LEGEND

- NOTES:
- CONTRACTOR TO TAKE RESPONSIBILITY OF EMERGENCY PROPPING 14 DAYS AFTER SITE HAND OVER.
  - DURING EACH PHASE CONTRACTOR TO WORK ON EVERY ALTERNATE COLUMN AT ANY GIVEN TIME.
  - CLIENT DECANTING AREA MARKED WITH GREEN DASHED LINE.

DO NOT SCALE DRAWING  
IF IN DOUBT, REFER TO DRAWING OFFICE

CLIENT PLAN NUMBER

REFERENCE DRAWINGS	
NUMBER	DRAWING DESCRIPTION
34020-08-201-02-01	COLUMN REMEDIAL WORKS - DETAILS
APPROVED BY COUNCIL / CLIENT	

CITY ENGINEER / CLIENT	REG. NO.	DATE
A.Y. / REPORT DESIGN/ENDER	I.A. BY CLIENT	
0.99 / CONSTRUCTION	B. BY ARCHITECT	
Z / AS BUILT	C. BY MECHANICAL OR ELECTRICAL	
	D. BY BM	
	E. BY OTHER ( )	

DATE	INITIAL	CODE	REVISION DESCRIPTION
09/09/21	M.C.	00	ISSUED FOR CONSTRUCTION

OFFICES

**bvi** **CESA**  
ENGINEERING PROCUREMENT MANAGEMENT  
BVI Consulting Engineers Gauteng PTY ( Ltd )  
Visit or contact us online at [www.bvieng.co.za](http://www.bvieng.co.za)  
PROVINCE OFFICE Pretoria +27 12 940 1111 E-MAIL [pta@bvieng.co.za](mailto:pta@bvieng.co.za)

CLIENT

**SABS**

PROJECT

SABS EAST COAST  
STRUCTURAL REMEDIAL WORKS

DRAWING TITLE

COLUMN REMEDIAL WORK -  
FIRST FLOOR LAYOUT

APPROVED BY BVI

T. MSIZA	20180532	09/09/21
ENGINEER/TECHNOLOGIST	REG. NO.	DATE
SCALE As indicated	DRAWN M. CROSSEY	
DESIGNED T. MSIZA	CHECKED S. READ	
PLAN NUMBER	REV. NO.	DATE SAVED
34020-08-201-01-01	00	Issue Date

P:\34020-08\16 Drawings\16.3 Struct\34020-08 SABS Durban-ST R21.rvt