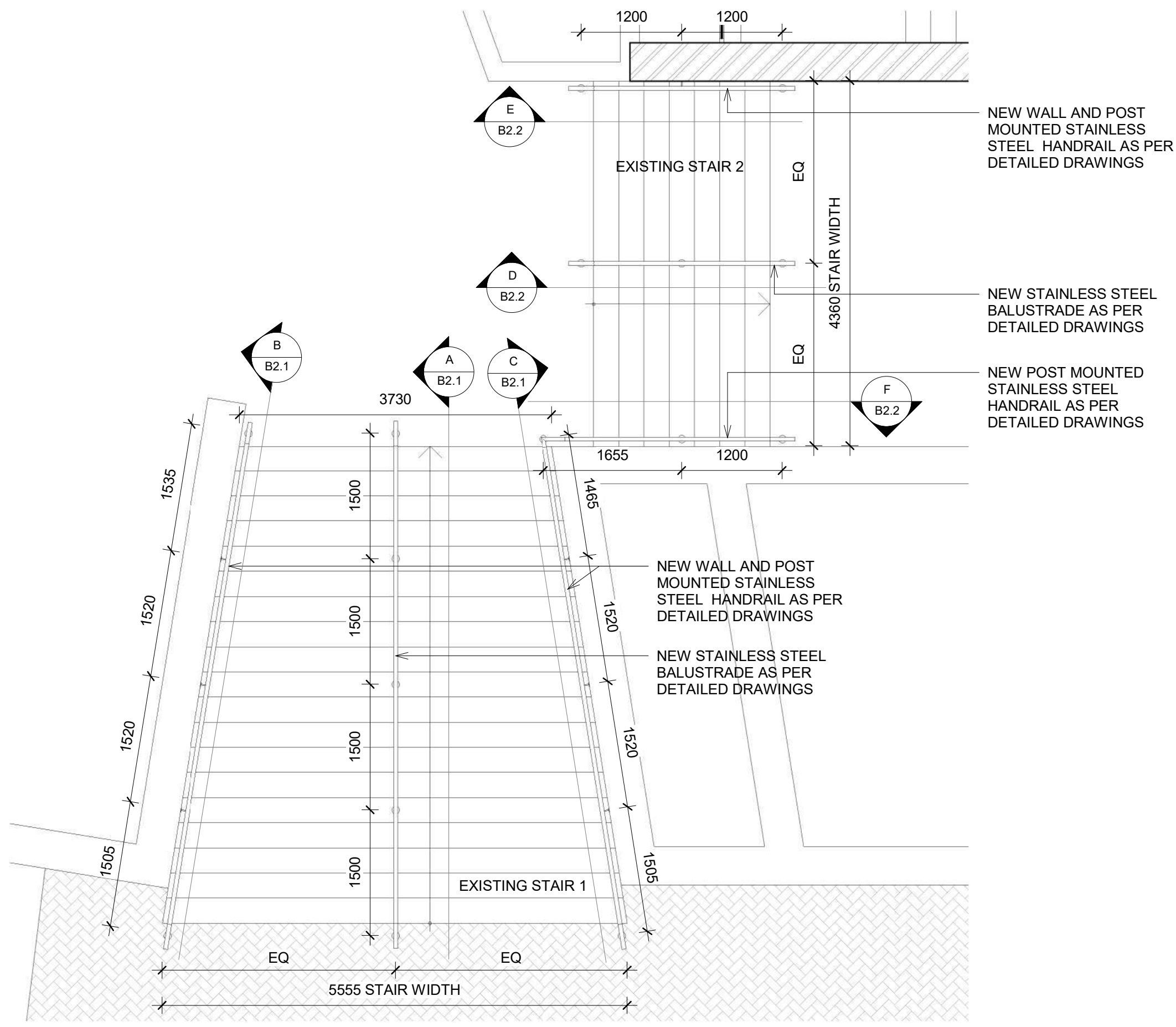


# BUILDING 2:

NOTES:  
 - EXISTING HANDRAILS ON EITHER SIDE OF STAIR 01 TO BE DEMOLISHED AND STRUCTURE TO BE MADE GOOD IN ALL TRADES  
 - EXISTING BALUSTRADE IN THE MIDDLE OF STAIR 02 TO BE DEMOLISHED AND STRUCTURE TO BE MADE GOOD IN ALL TRADES

## DETAIL PLAN 1 : 50

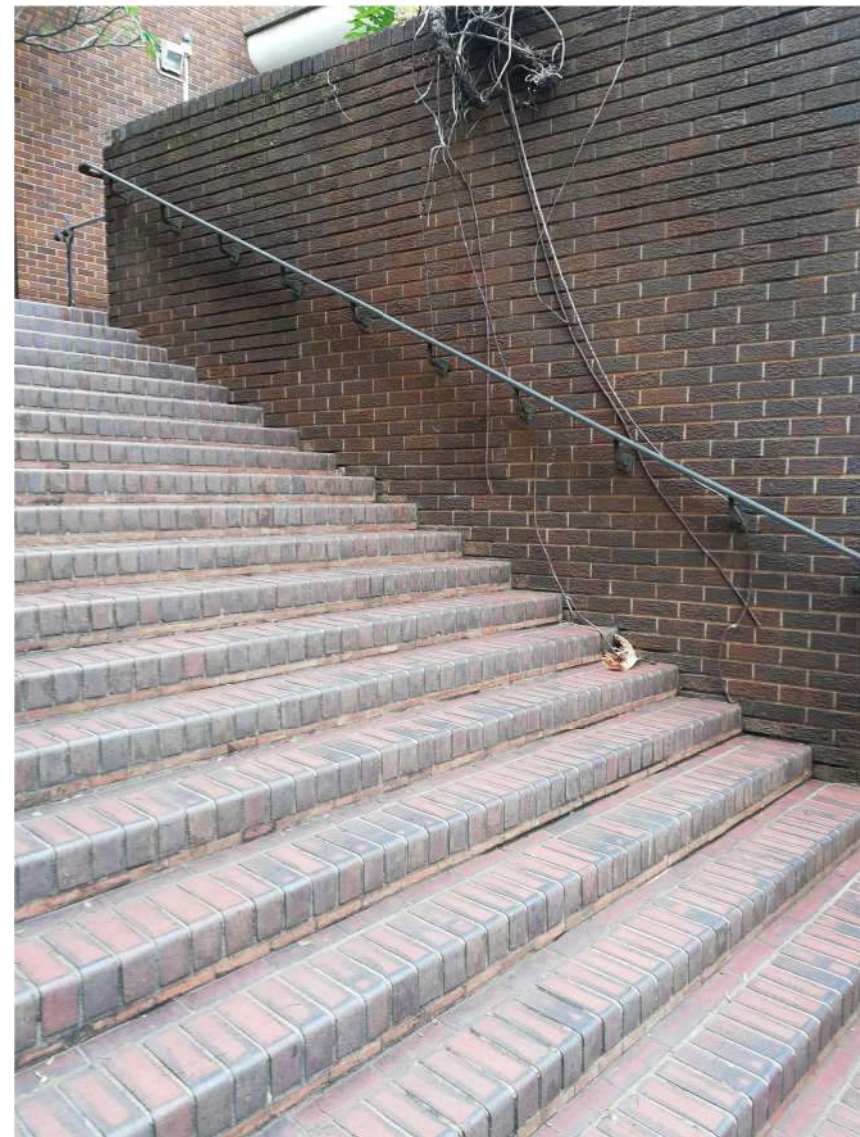


### SCHEDULE OF NEW HANDRAILS AND BALUSTARDES

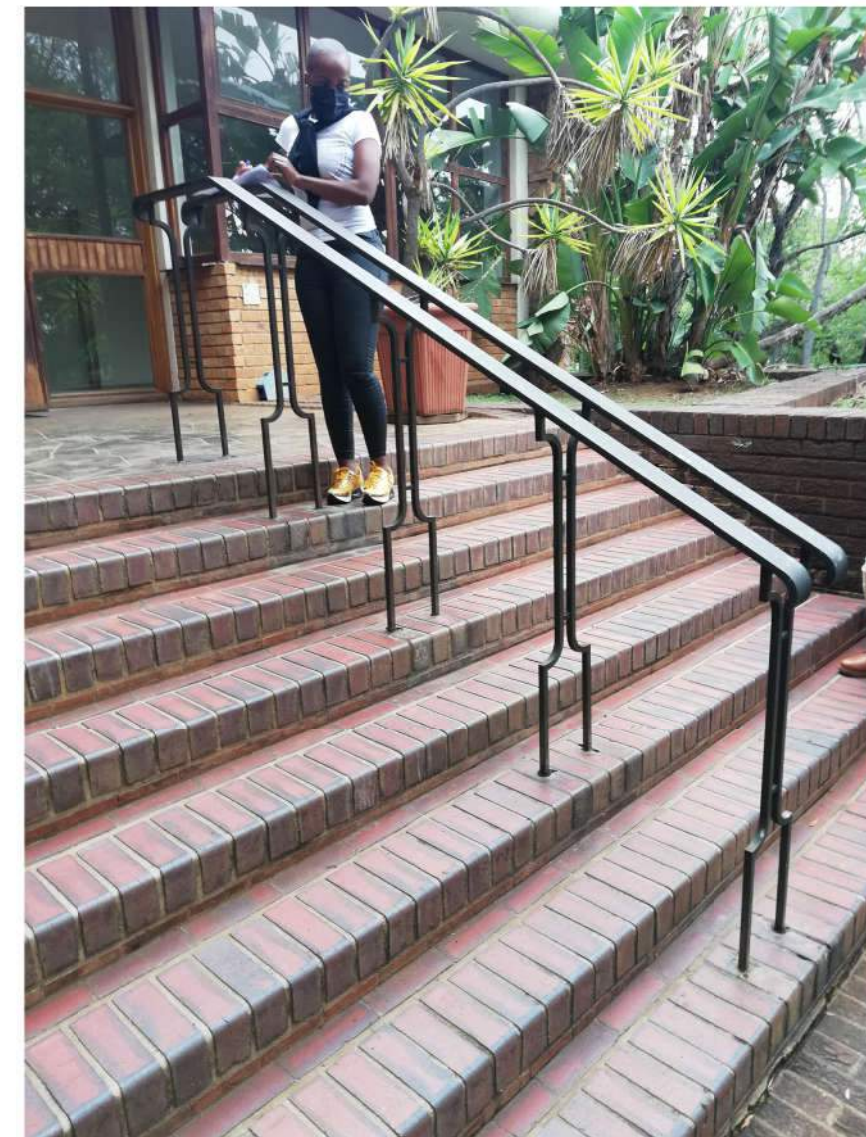
STAIR LOCATION:	POSITION ON STAIR:	HANDRAIL OR BALUSTARDE	MATERIAL:	TOTAL LENGHT:
ENTRANCE OPPOSITE NORTH GATE	LEFT	HANDRAIL	STAINLESS STEEL	6.9m
	CENTRAL	BALUSTARDE	STAINLESS STEEL	6.8m
	RIGHT	HANDRAIL	STAINLESS STEEL	6.9m
ABSA ENTRANCE	LEFT	HANDRAIL	STAINLESS STEEL	2.9m
	CENTRAL	BALUSTARDE	STAINLESS STEEL	2.9m
	RIGHT	HANDRAIL	STAINLESS STEEL	2.9m

TOTAL NEW BALUSTARDES	9.7m
TOTAL NEW HANDRAILS	19.6m

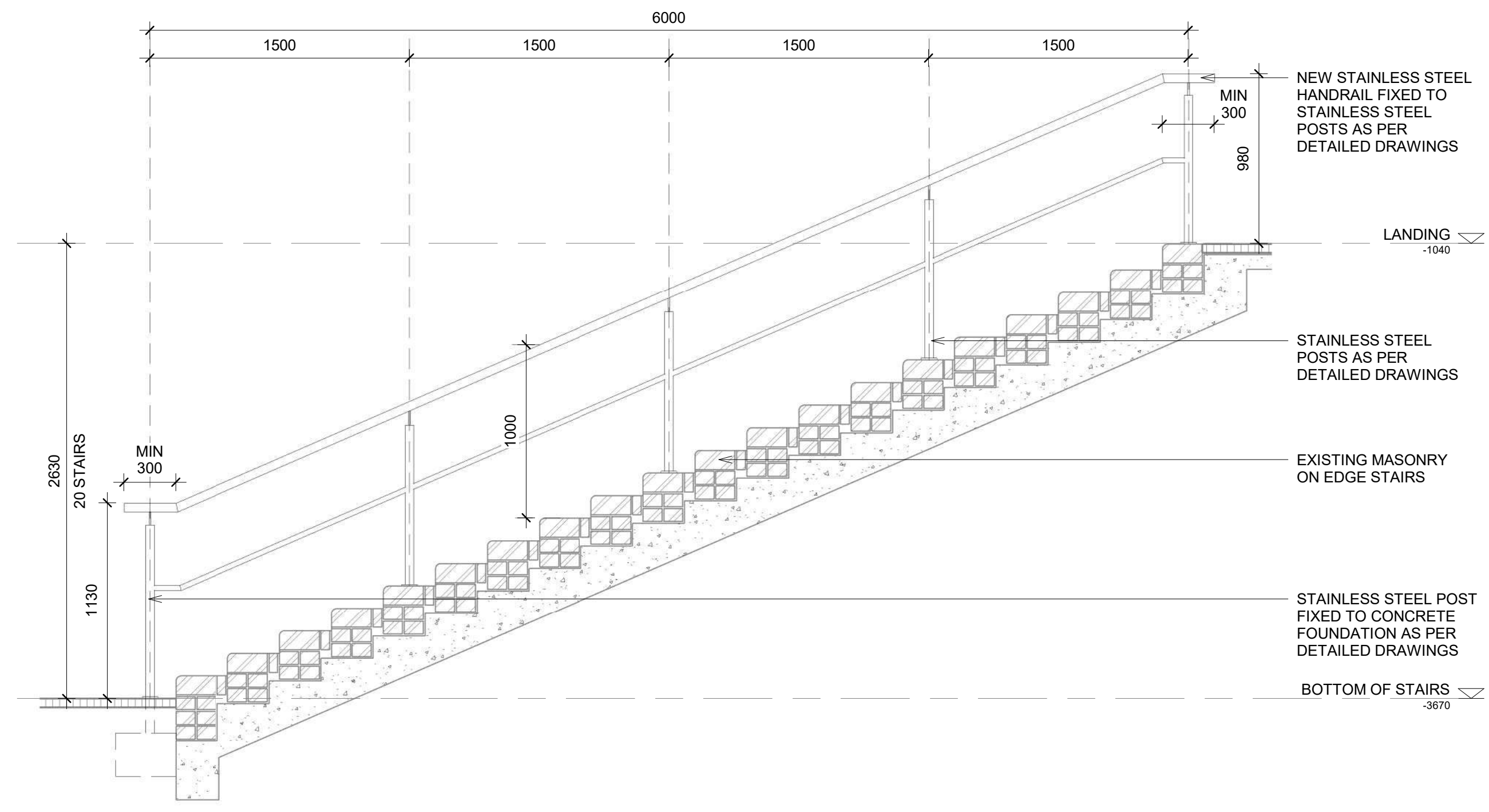
## EXITING STAIR 1



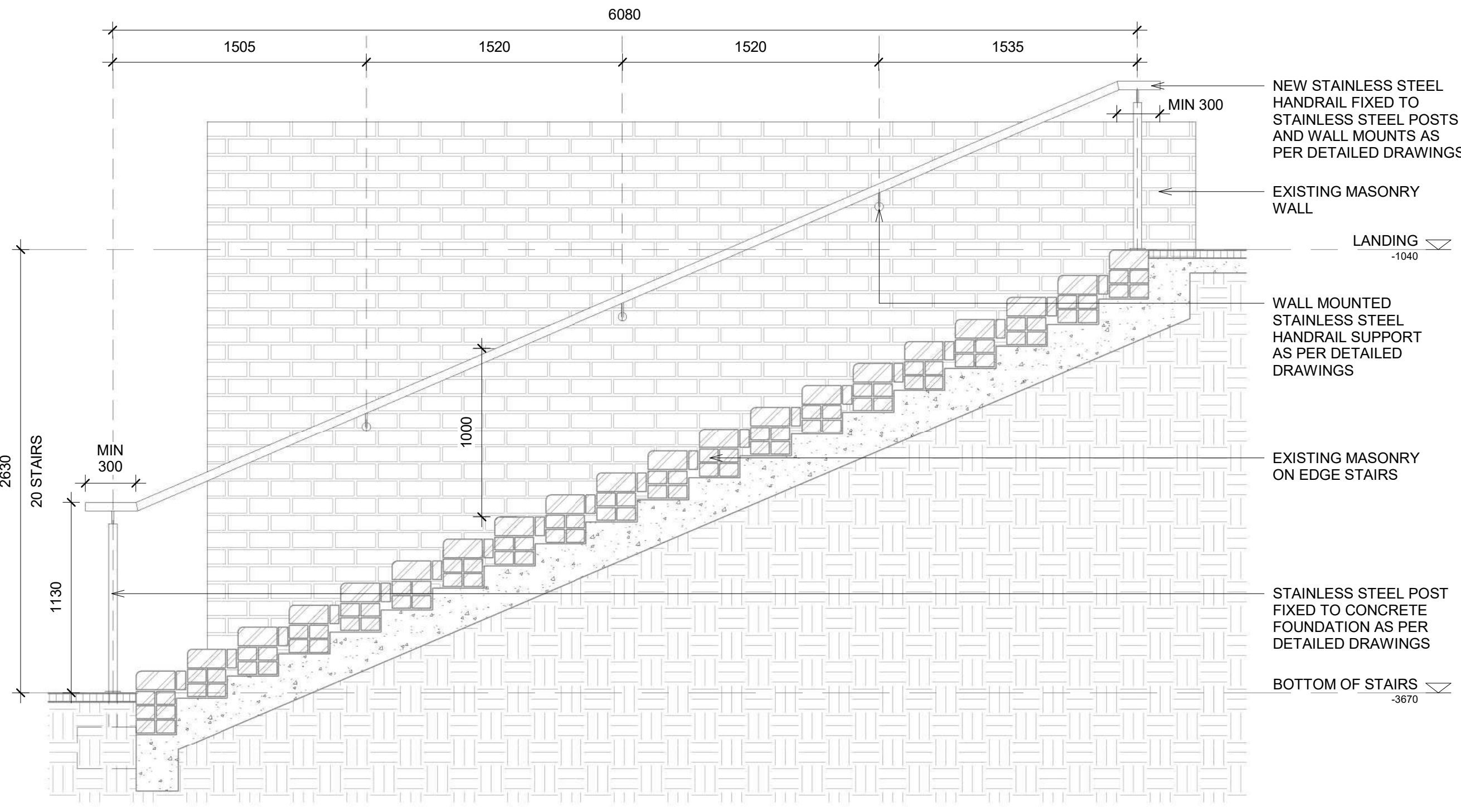
## EXITING STAIR 2



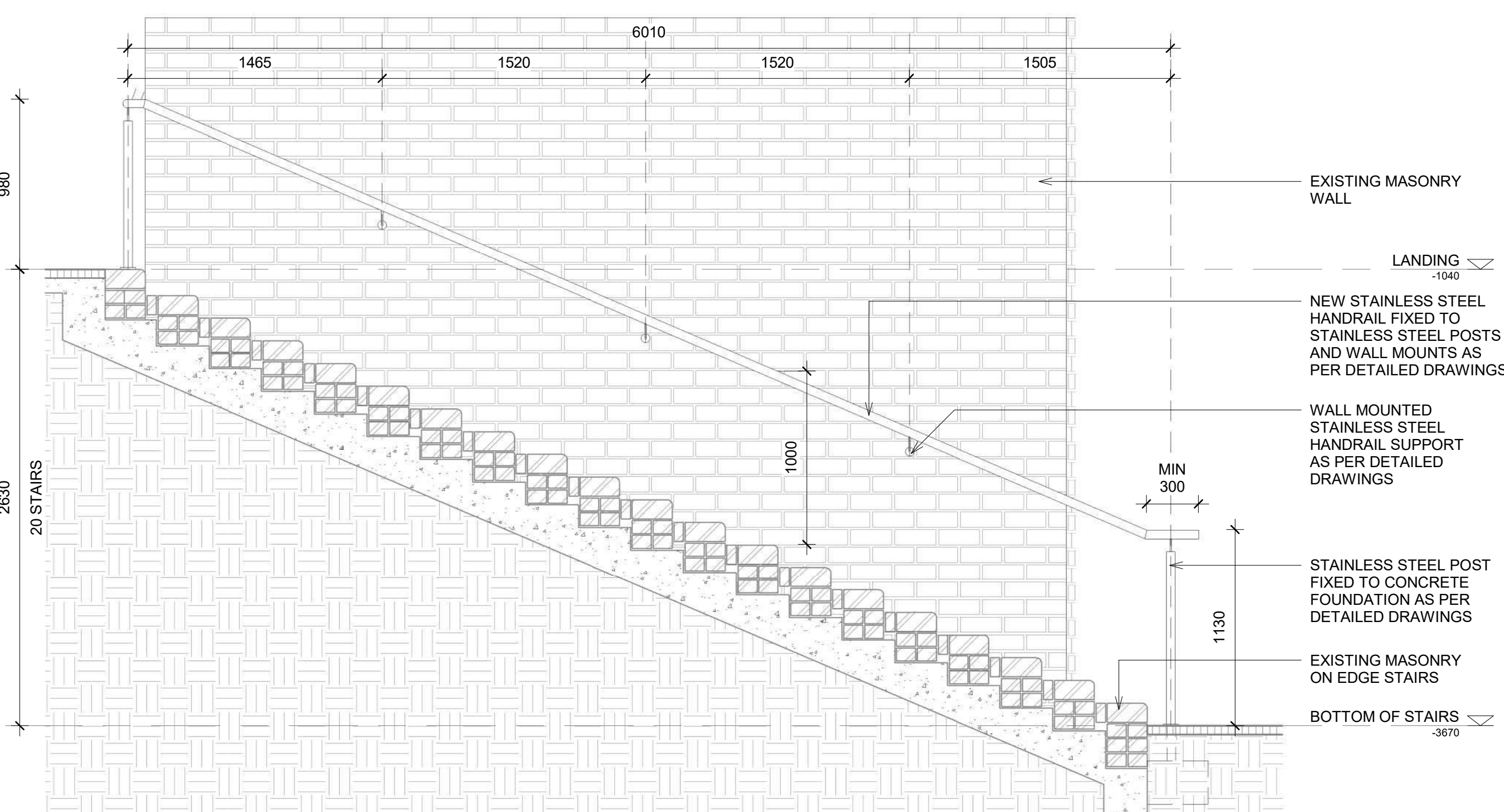
## SECTION A-A 1 : 25



## SECTION B-B 1 : 25



## SECTION C-C 1 : 25



## GENERAL NOTES

All work is to be done in accordance with the SANS Regulations. All materials and workmanship are to comply with the relevant SANS codes and or the specified international codes where applicable in the Architectural specifications.

The contractor shall in all aspects of the works comply with the provisions of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) and any regulations promulgated in terms of that Act or the Factories Machinery and Building Works Act of 1941.

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This drawing is not to be scaled. Figured dimensions to be used. All dimensions are in millimeters unless otherwise stated.

All dimensions and levels must be checked on site by the contractor before putting work in hand.

All work to be executed by competent persons qualified for the specific trade.

## REVISIONS

REV	DATE	DESCRIPTION
1	2022-01-27	ISSUED FOR TENDER



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Form follows site orientation

## PROJECTS

**PROPOSED NEW HANDRAILS AND BALUSTARDES TO EXITING ENTRANCE STAIRS AND RAMPS AT THE COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH MAIN CAMPUS, BRUMMERIA, PRETORIA**

## TITLE

**BUILDING 2 BALUSTRADE AND HANDRAILS 01**  
 SCALE: As indicated @ A1

PROJECT	PHASE	BLOCK / SERIES / SUFFIX	REVISION
CSIR	1	B2.1	1

INFO	TENDER	CONSTRUCTION
DRAWN BY: BH	CHECKED BY: MM	SIGNED:
DATE: 28-Jan-2022 1:45:41 PM		











































































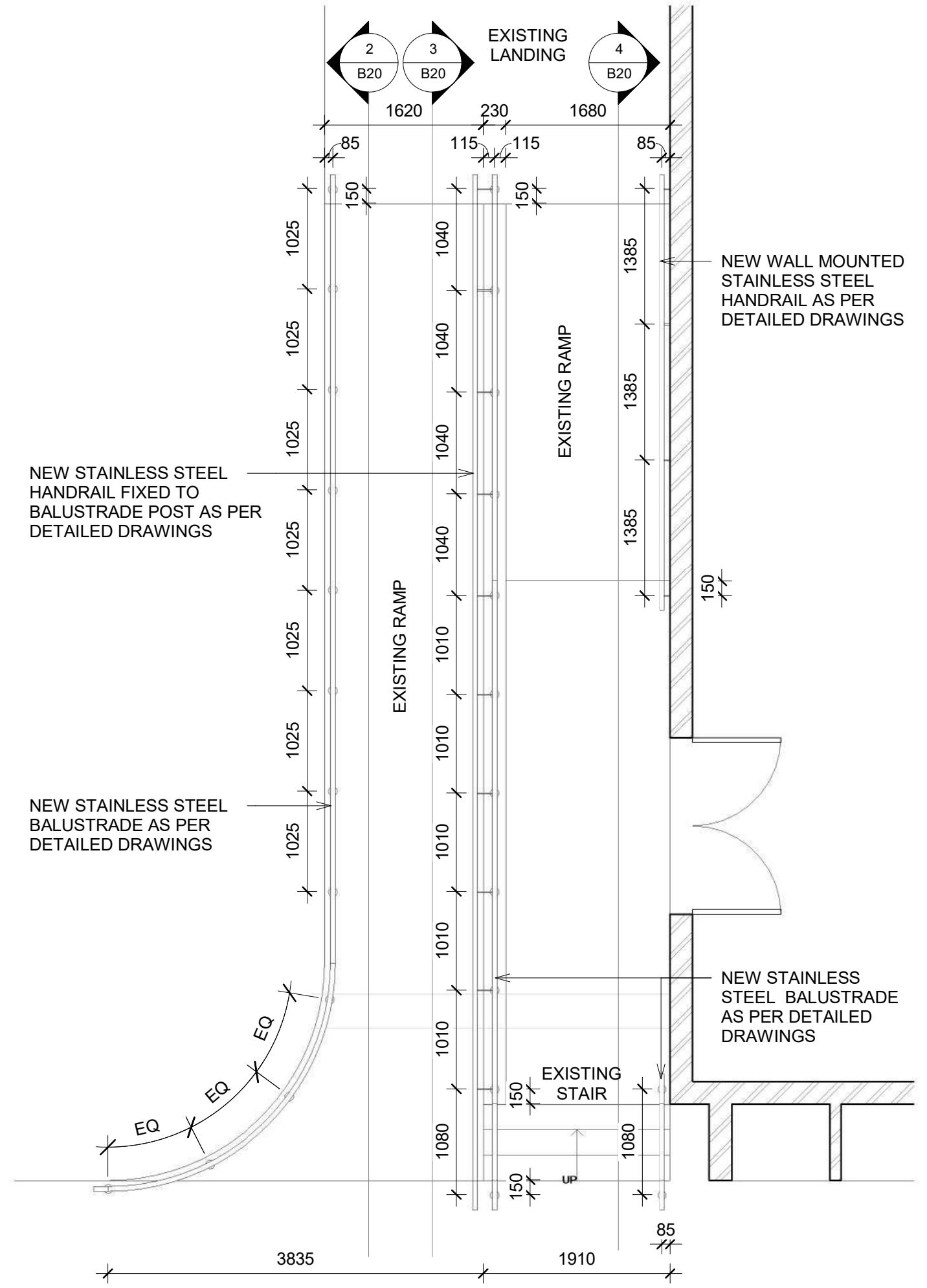




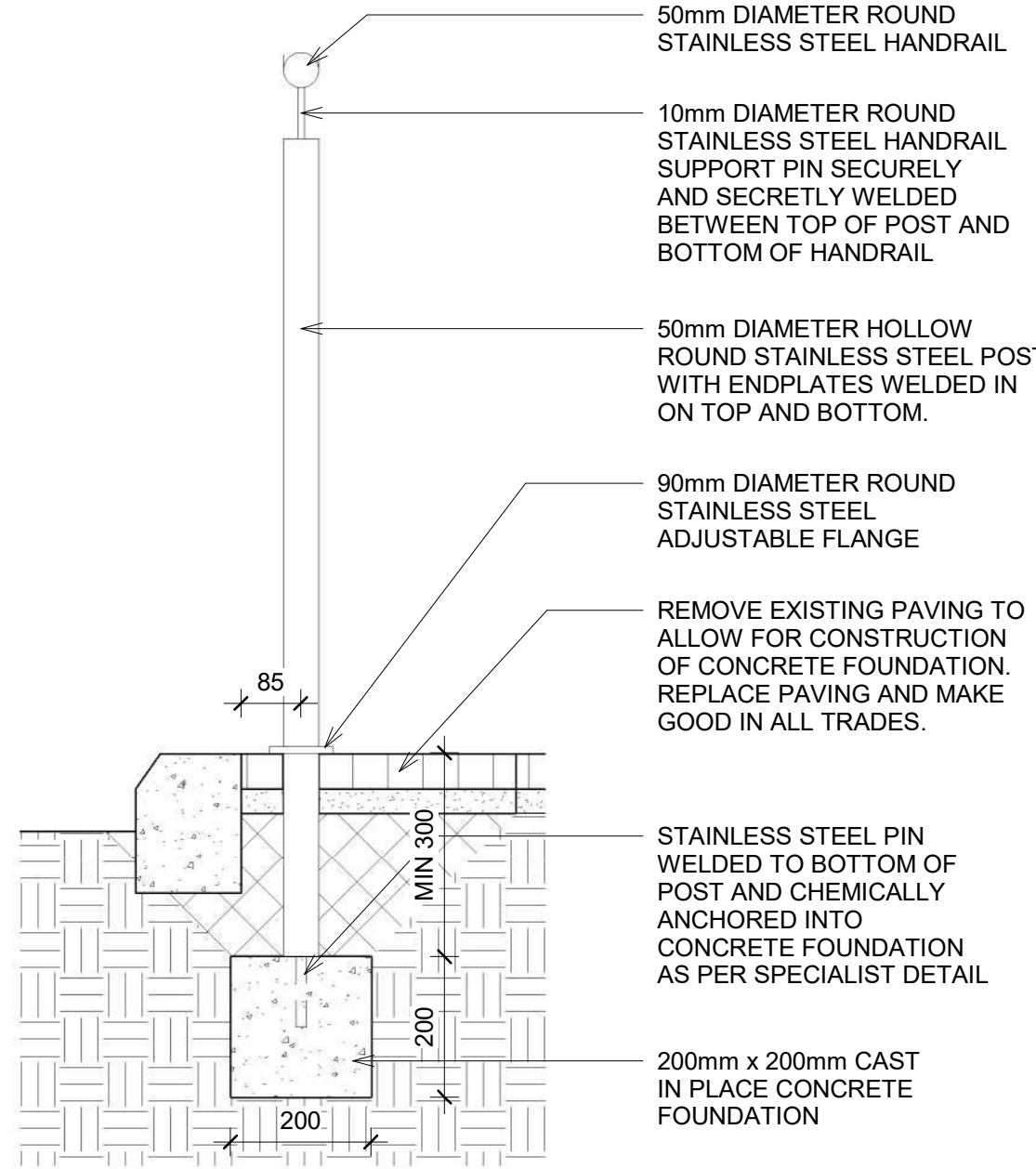
# BUILDING 20:

NOTES:  
- NO EXISTING BALUSTRADES OR HANDRAILS TO DEMOLISH

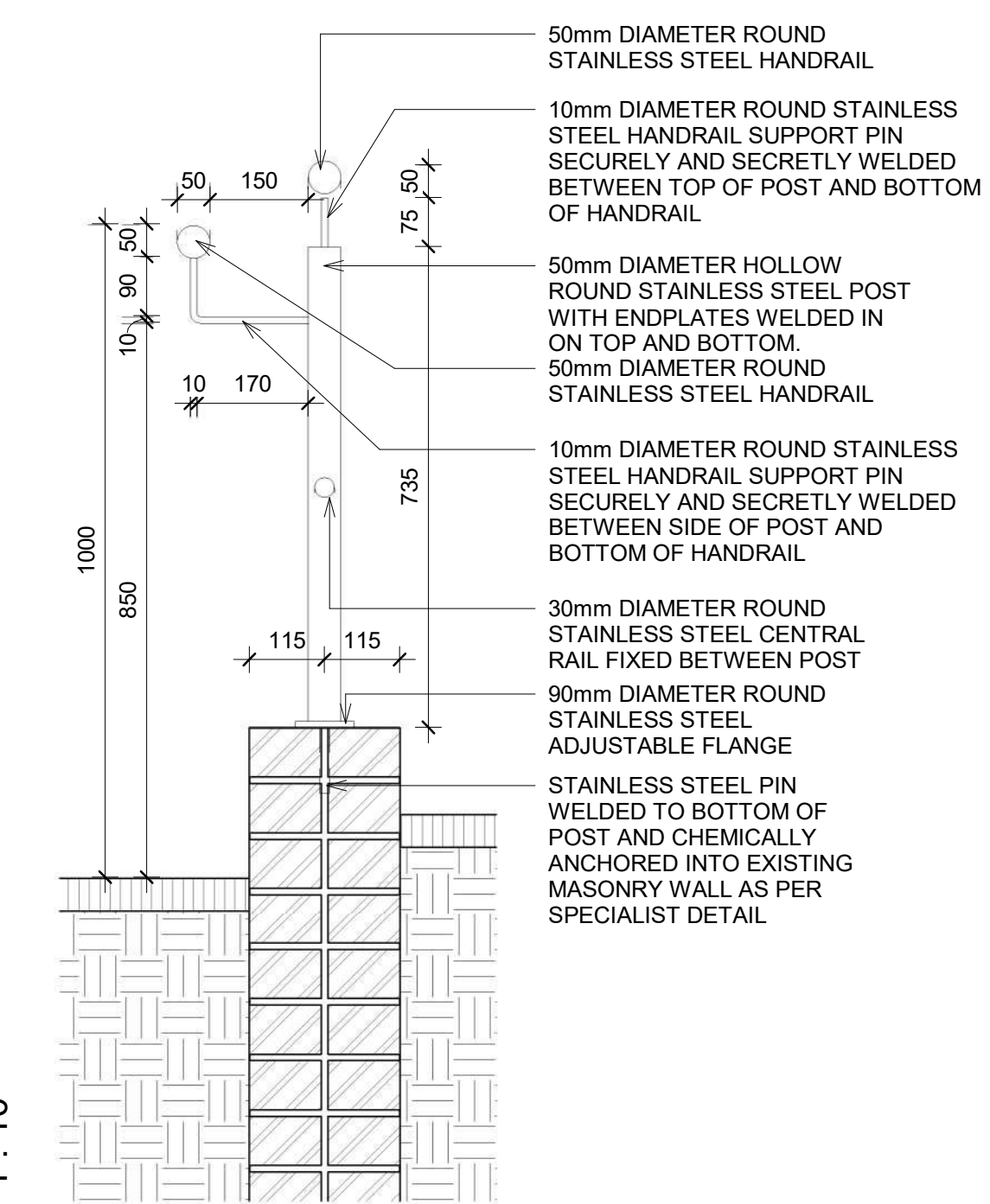
## DETAIL PLAN 1 : 50



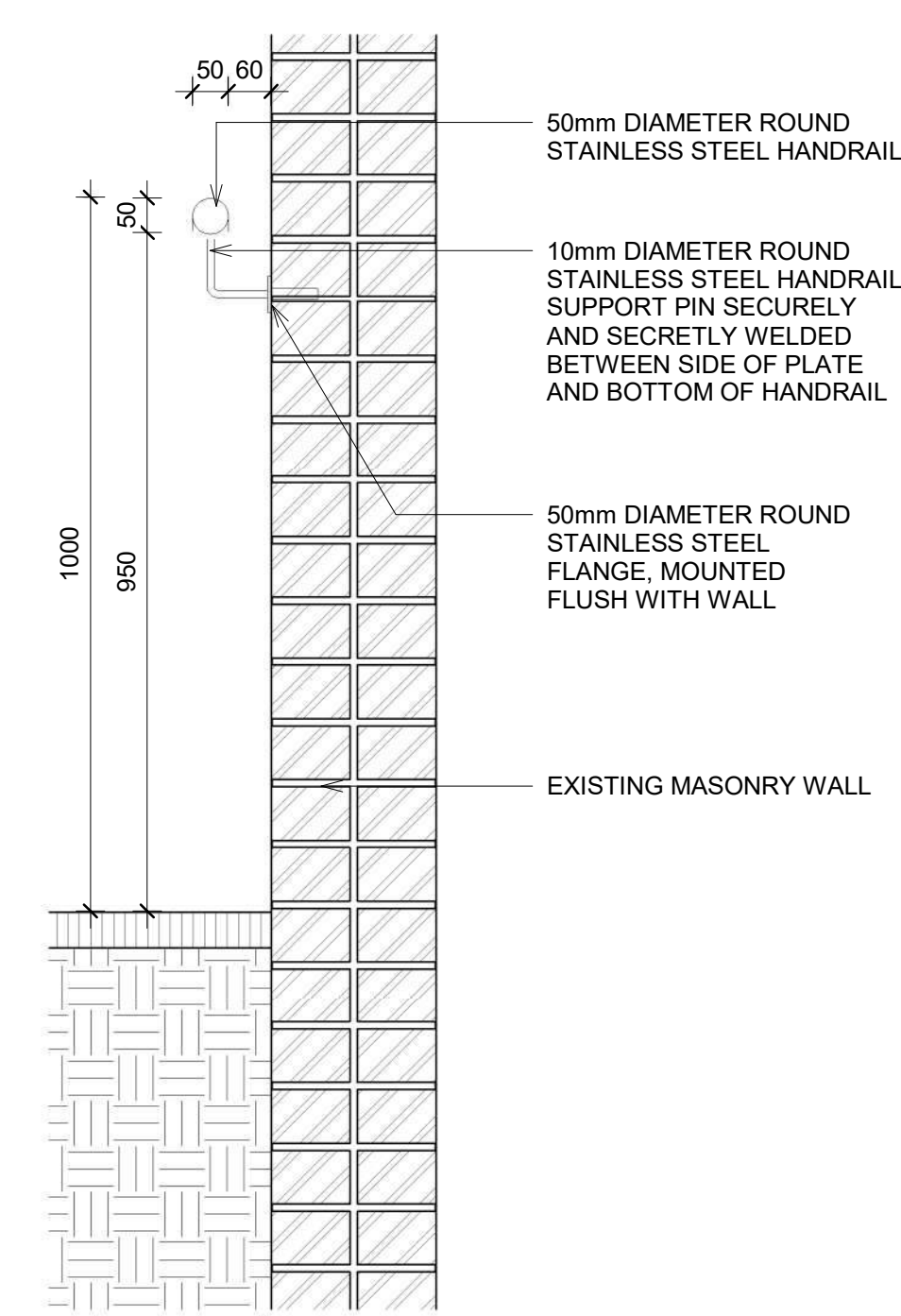
## DETAIL 01 1 : 10



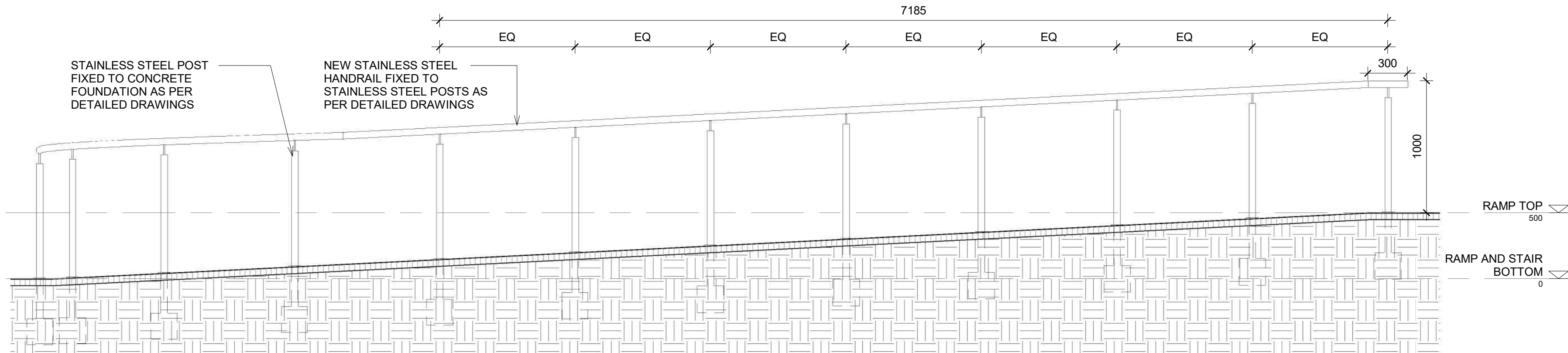
## DETAIL 02 1 : 10



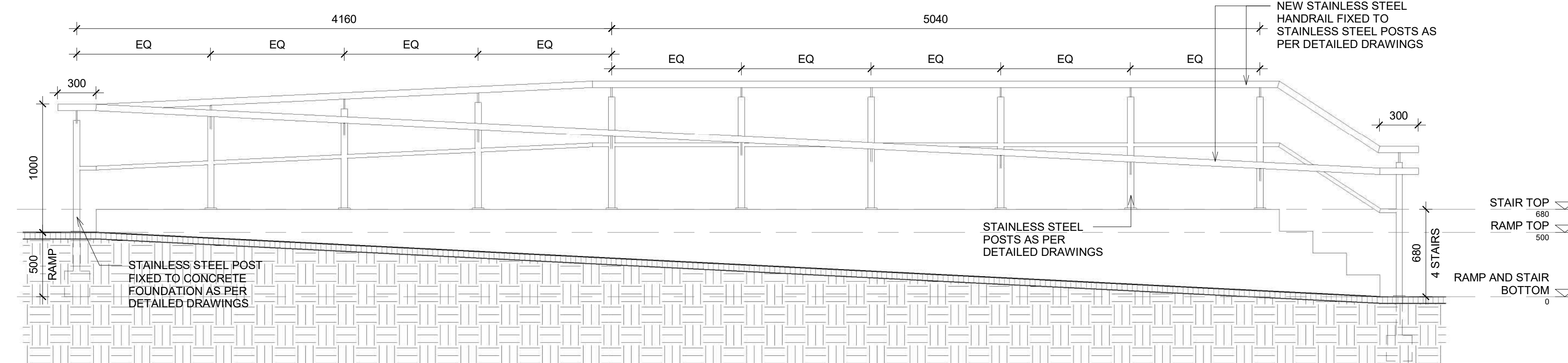
## DETAIL 03 1 : 10



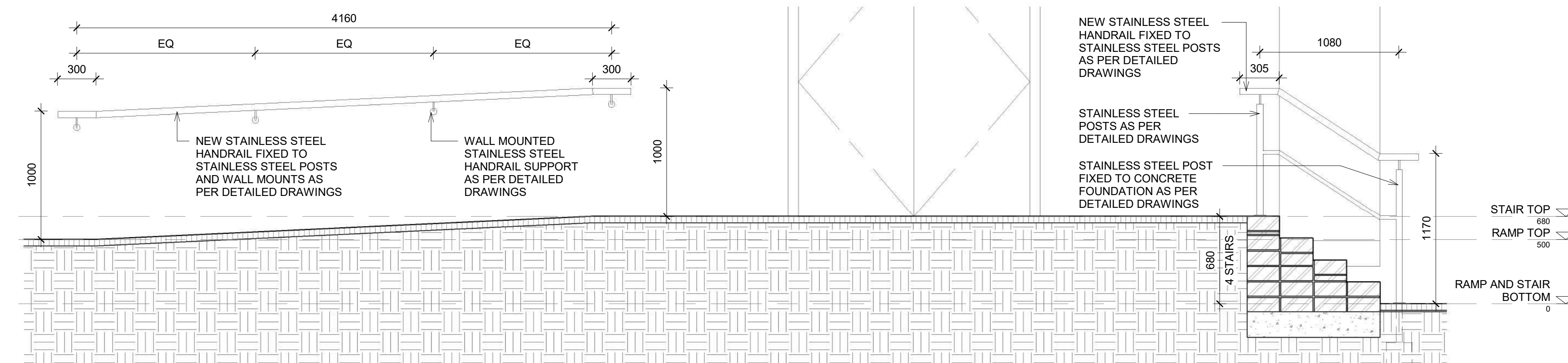
## SECTION A-A 1 : 25



## SECTION B-B 1 : 25



## SECTION C-C 1 : 25



### SCHEDULE OF NEW HANDRAILS AND BALUSTRADES

STAIR LOCATION:	POSITION ON STAIR:	HANDRAIL OR BALUSTARDE	MATERIAL:	TOTAL LENGHT:
RAMP 1	LEFT	HANDRAIL	STAINLESS STEEL	11.7m
	RIGHT	HANDRAIL	STAINLESS STEEL	10.6m
RAMP 2	RIGHT	BALUSTARDE	STAINLESS STEEL	11.1m
	LEFT	HANDRAIL	STAINLESS STEEL	4.2m
STAIR	RIGHT	BALUSTARDE	STAINLESS STEEL	1.6m

TOTAL NEW BALUSTRADES	12.7m
TOTAL NEW HANDRAILS	26.5m

## EXITING STAIR AND RAMP



### GENERAL NOTES

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The contractor shall set up, document and maintain a quality assurance and quality control system, in accordance with SANS 9001/ISO 9001, able to be checked to the satisfaction of the Architect, that all materials and workmanship, whatever their sources, meet the requirements of the Specification. Should the Contractor or any of his sub-contractors be certified to the SANS 9000 family of standards then monitor these works accordingly.

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### REVISIONS

REV	DATE	DESCRIPTION
1	2022-01-27	ISSUED FOR TENDER



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### PROJECTS

PROPOSED NEW HANDRAILS AND BALUSTRADES TO EXITING ENTRANCE STAIRS AND RAMPS AT THE COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH MAIN CAMPUS, BRUMMERIA, PRETORIA

### TITLE

**BUILDING 20 BALUSTRADE AND HANDRAILS**

SCALE: As indicated @ A1

PROJECT	PHASE	BLOCK / SERIES / SUFFIX	REVISION
CSIR	1	B20	1

DRAWING STATUS		
INFO	TENDER	CONSTRUCTION
DRAWN BY: BH	CHECKED BY: MM	SIGNED:
DATE: 28-Jan-2022 2:13:18 PM		































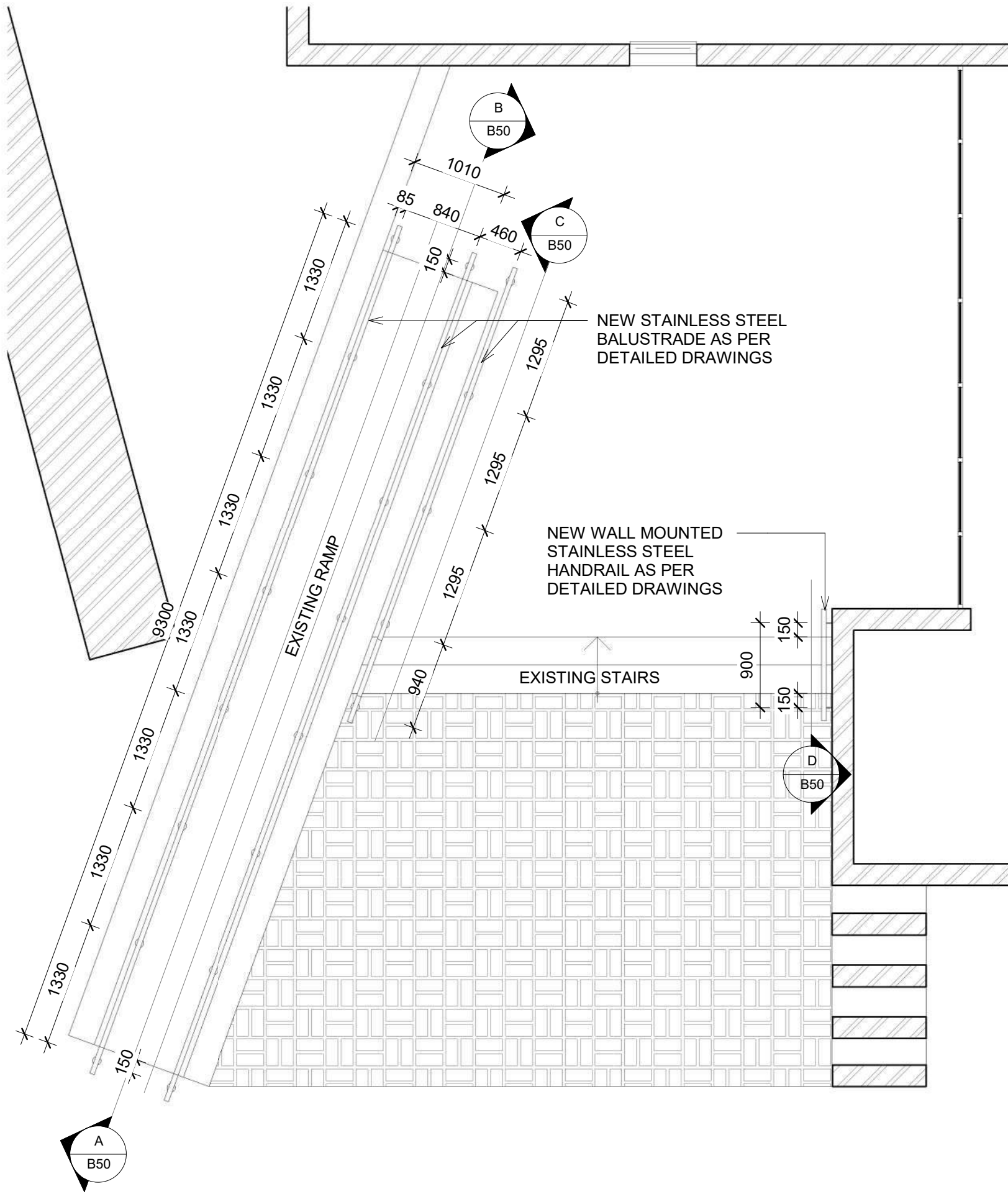




# BUILDING 50:

NOTES:  
 - EXISTING HANDRAILS ON RIGHT SIDE OF EXISTING RAMP TO BE DEMOLISHED AND STRUCTURE TO BE MADE GOOD IN ALL TRADES  
 - EXISTING BALUSTRADE ON LEFT SIDE OF STAIR TO BE DEMOLISHED AND STRUCTURE TO BE MADE GOOD IN ALL TRADES

## DETAIL PLAN 1 : 50



### PROPOSED NEW HANDRAILS AND BALUSTARDES

STAIR LOCATION:	POSITION ON STAIR:	HANDRAIL OR BALUSTARDE	MATERIAL:	TOTAL LENGTH:
RAMP	LEFT	BALUSTARDE	STAINLESS STEEL	9.6m
	CENTRAL	BALUSTARDE	STAINLESS STEEL	9.6m
STAIRS	RIGHT	BALUSTRADE	STAINLESS STEEL	5.2m
	LEFT	HANDRAIL	STAINLESS STEEL	1.3m

TOTAL NEW BALUSTARDES	24.4m
TOTAL NEW HANDRAILS	1.3m

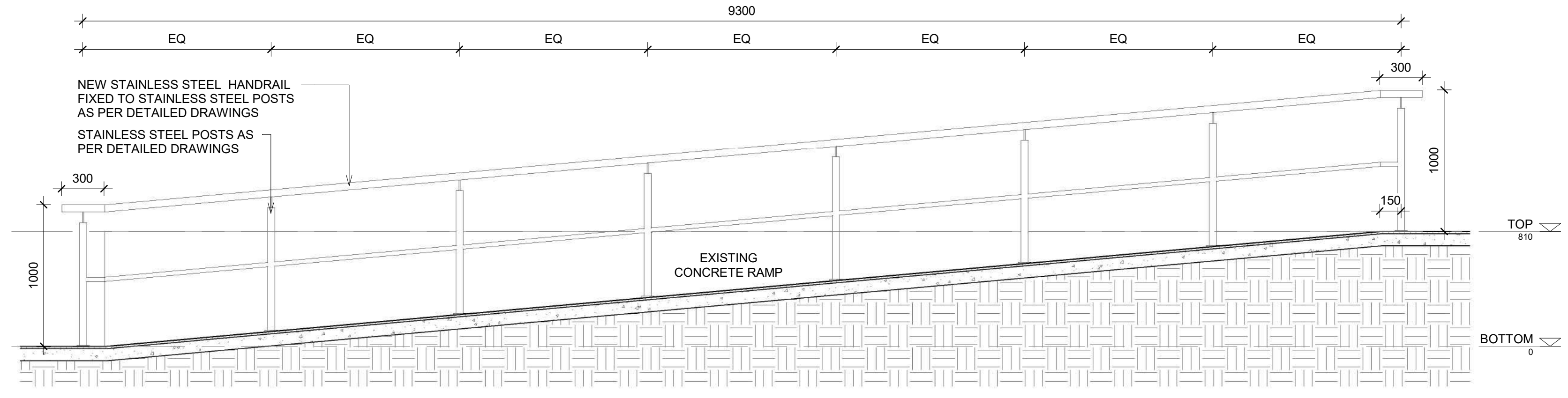
## EXITING RAMP



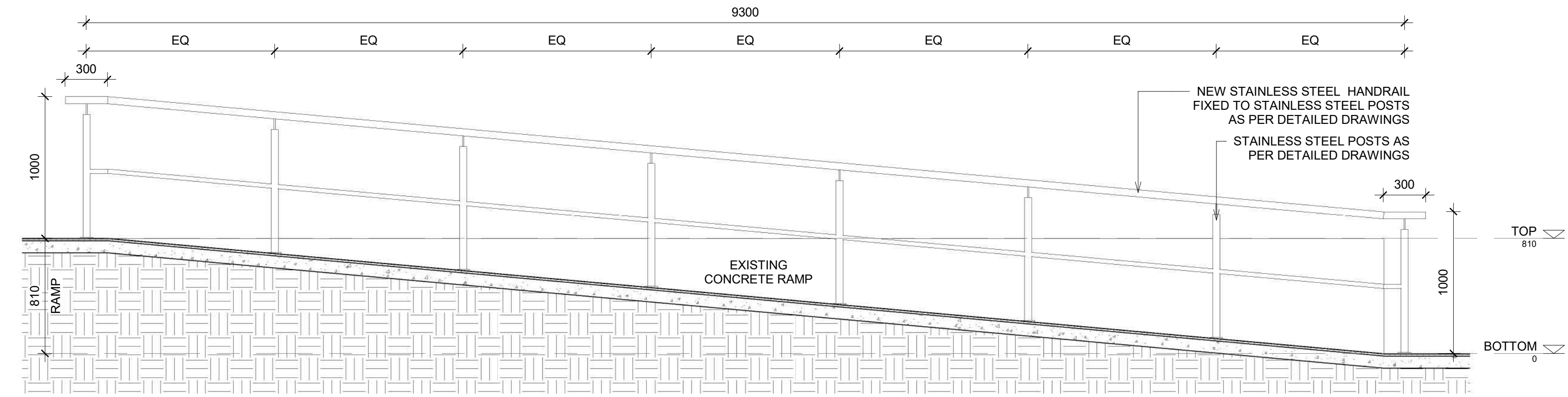
## EXITING STAIR



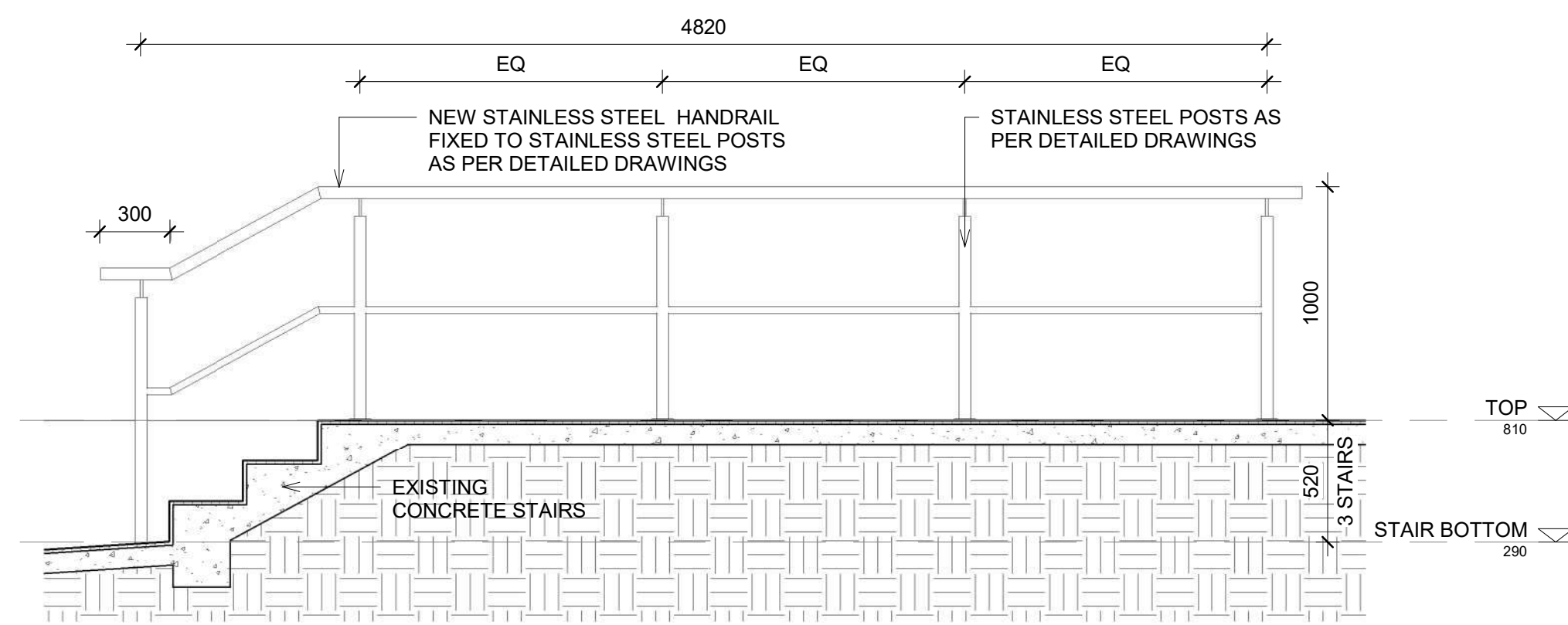
## SECTION A-A 1 : 25



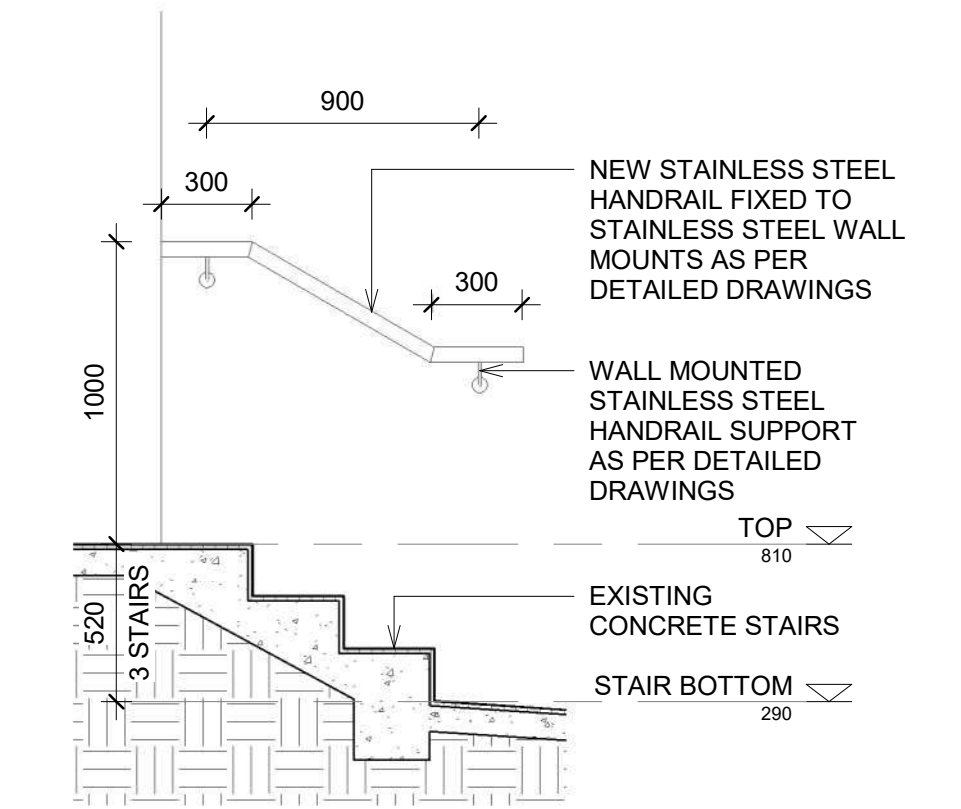
## SECTION B-B 1 : 25



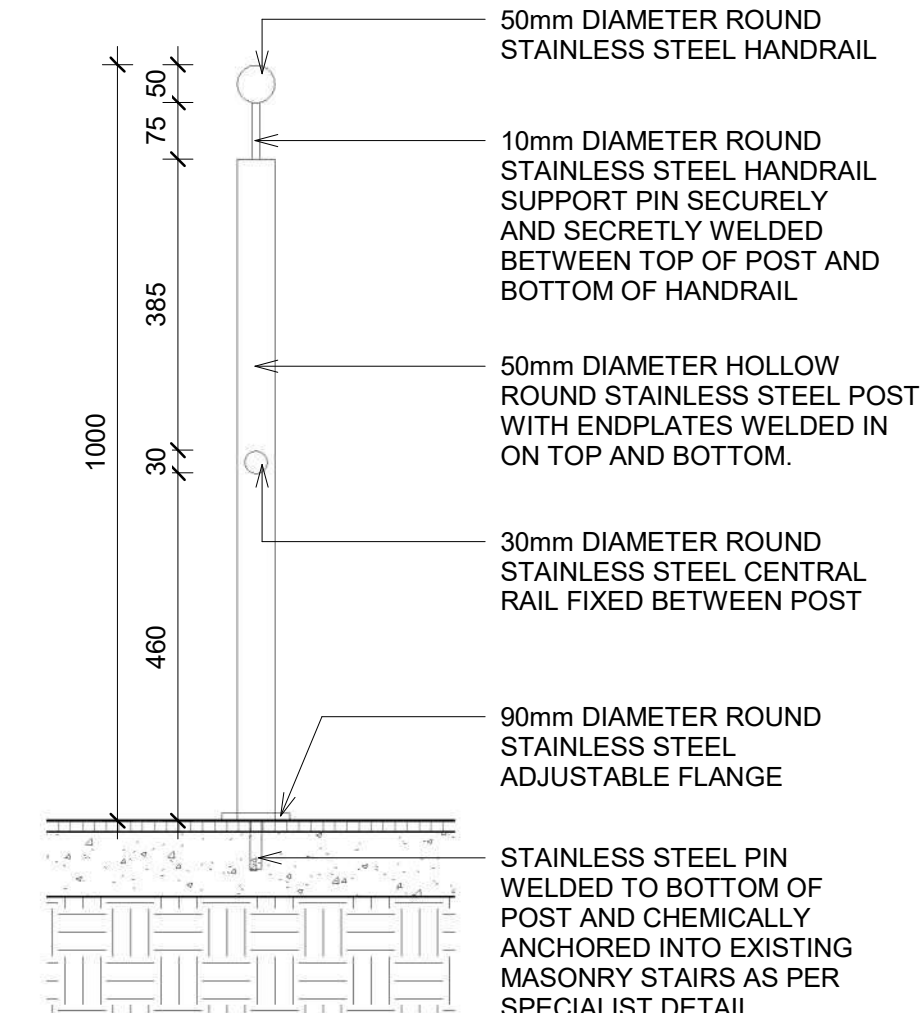
## SECTION C-C 1 : 25



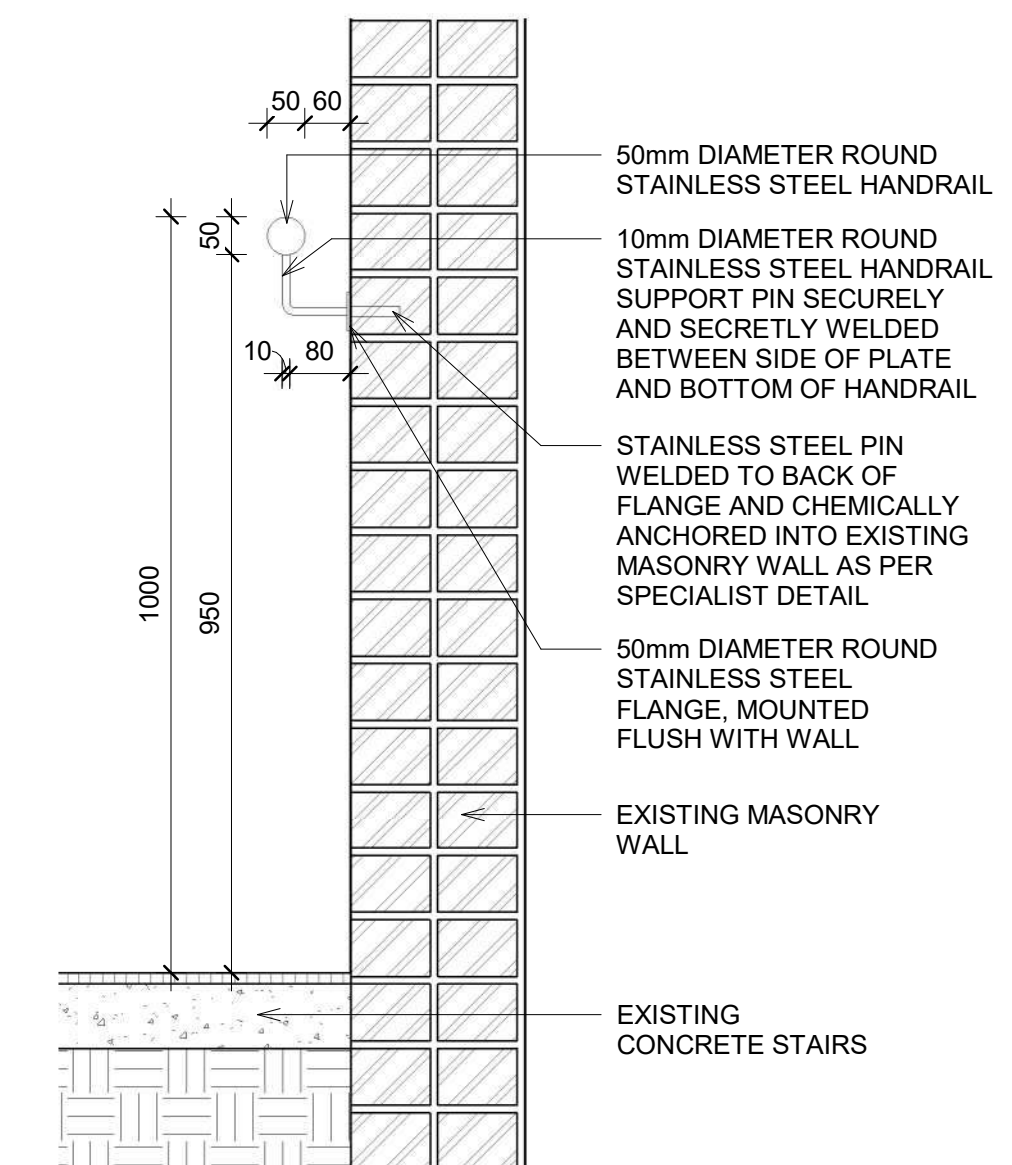
## SECTION D-D 1 : 25



## DETAIL 01 1 : 10



## DETAIL 02 1 : 10



## GENERAL NOTES

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Architect

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## PROJECTS

**PROPOSED NEW HANDRAILS AND BALUSTARDES TO EXISTING ENTRANCE STAIRS AND RAMPS AT THE COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH MAIN CAMPUS, BRUMMERIA, PRETORIA**

## TITLE

**BUILDING 50 BALUSTRADE AND HANDRAILS**  
 SCALE: As indicated @ A1

PROJECT	PHASE	BLOCK / SERIES / SUFFIX	REVISION
CSIR	1	B50	1

INFO	TENDER	CONSTRUCTION
DRAWN BY: BH	CHECKED BY: MM	SIGNED:
DATE: 28-Jan-2022 2:23:52 PM		