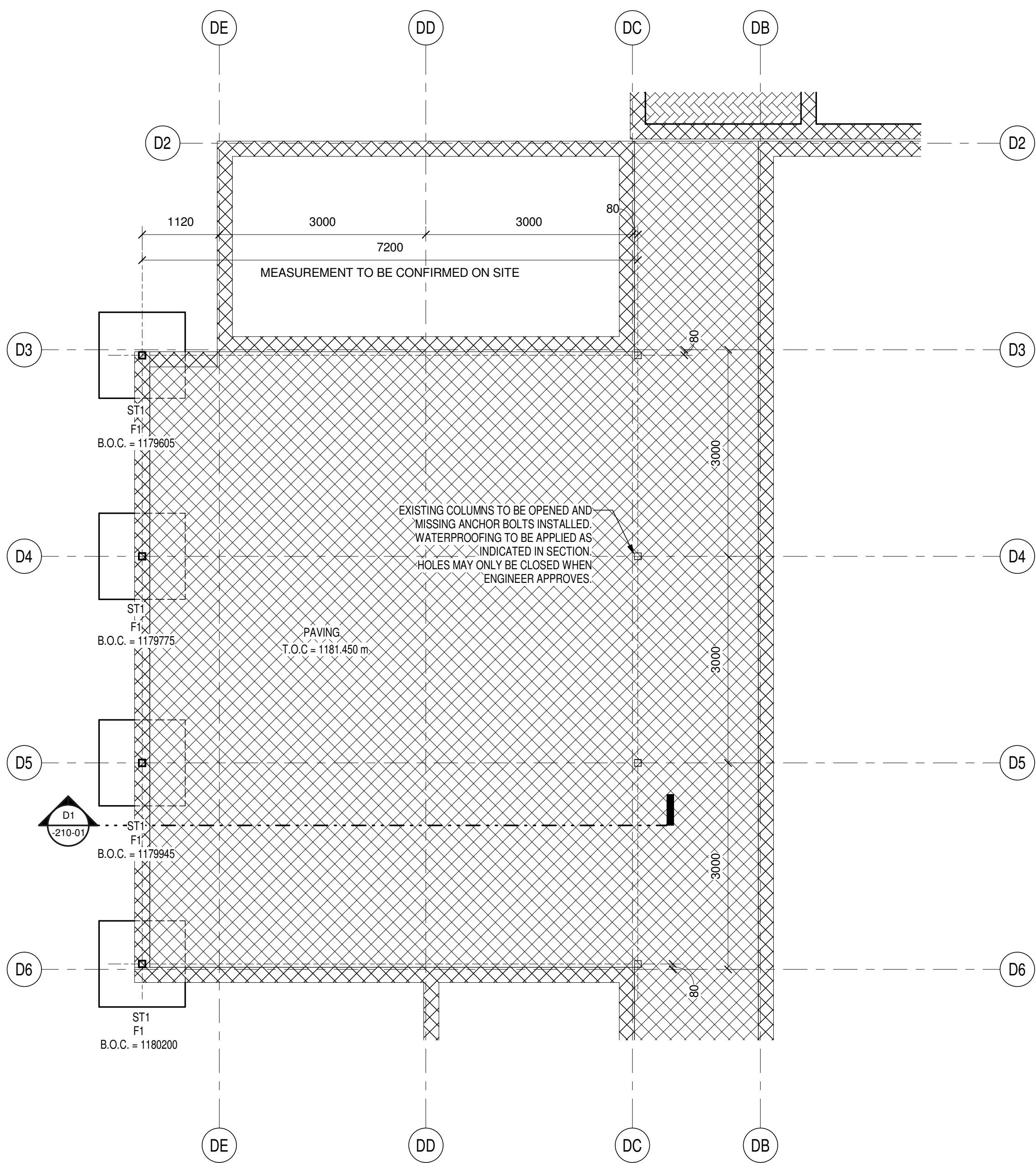
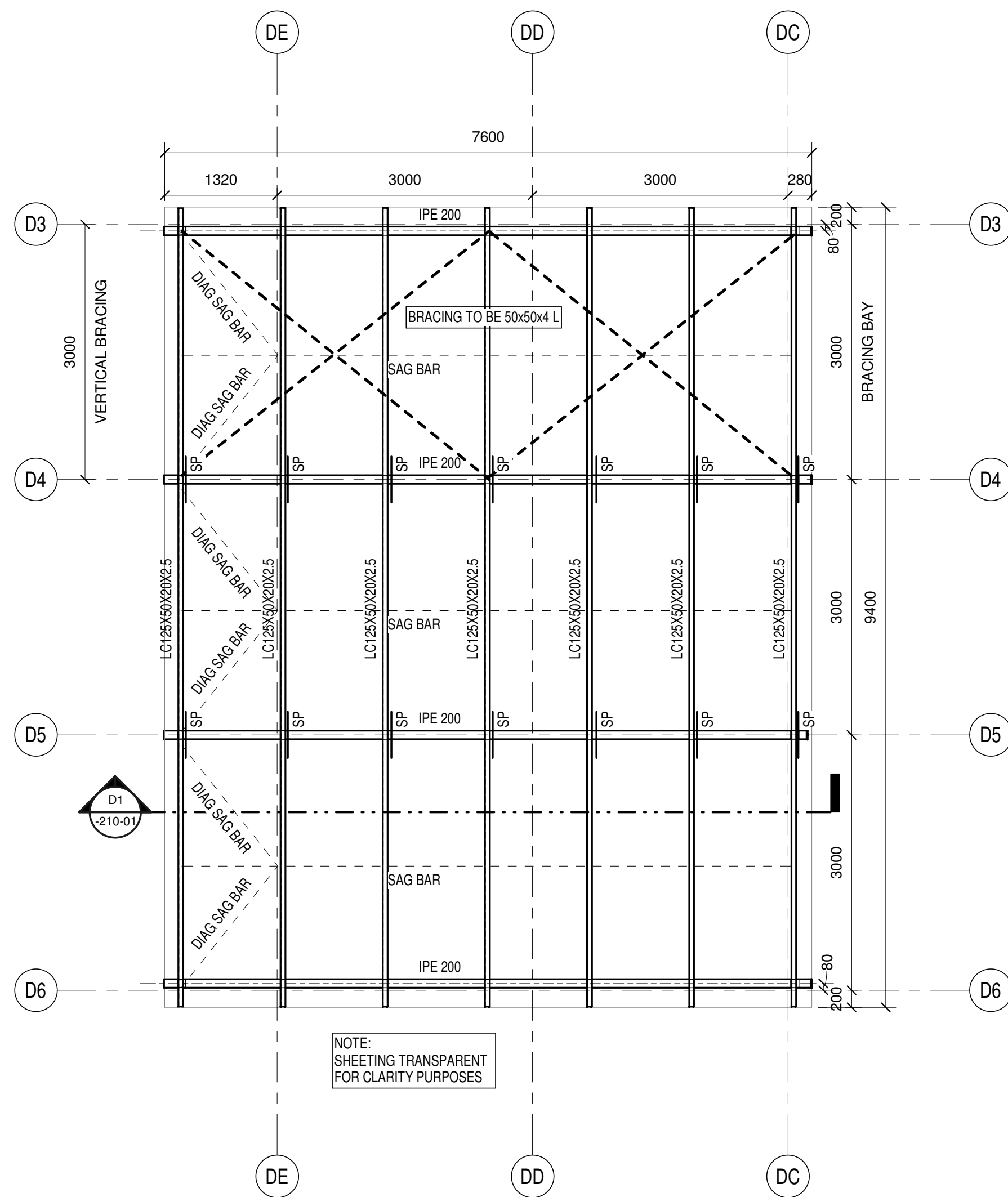




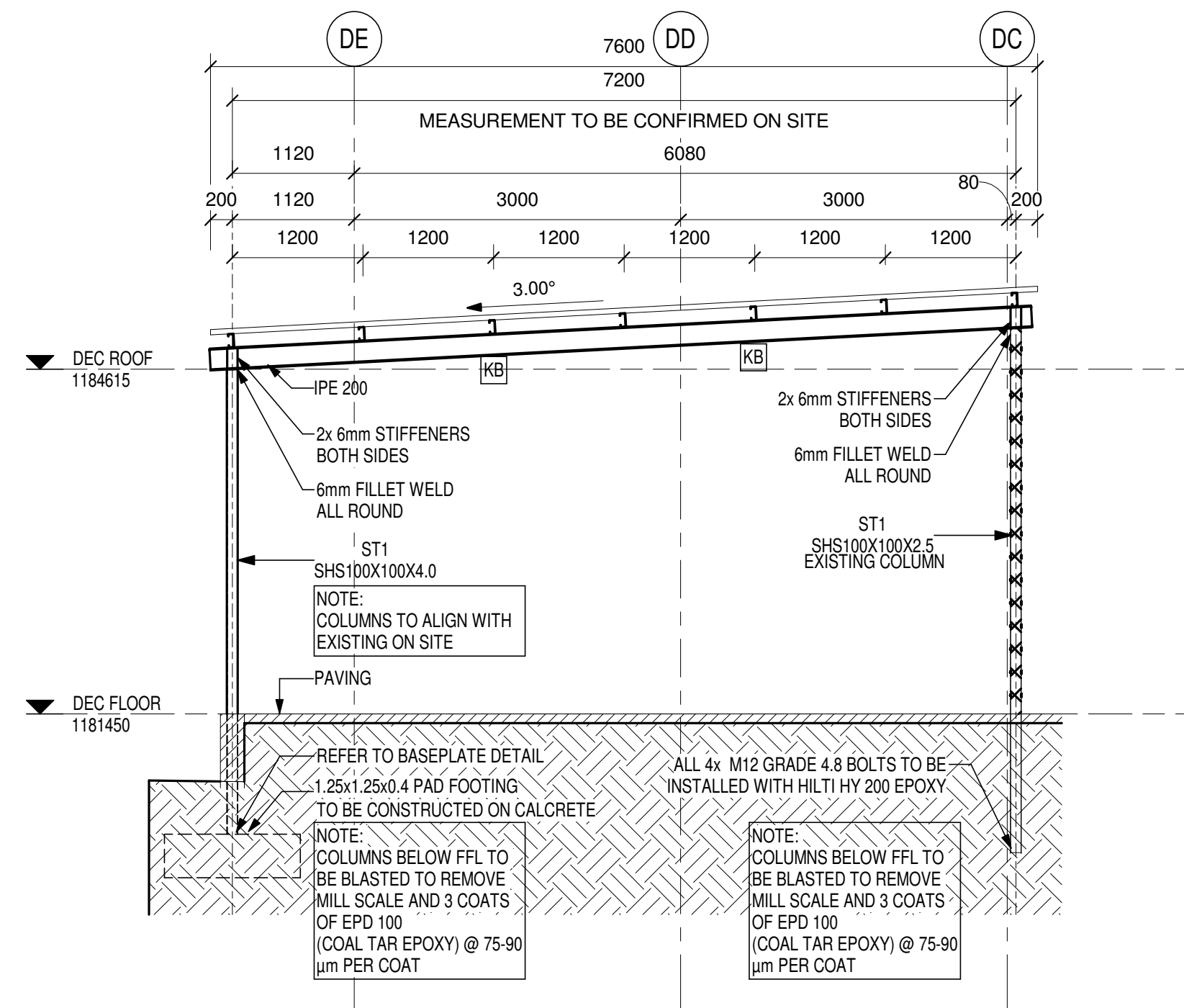
DECANTING WAITING
AREA FOUNDATION

1:50



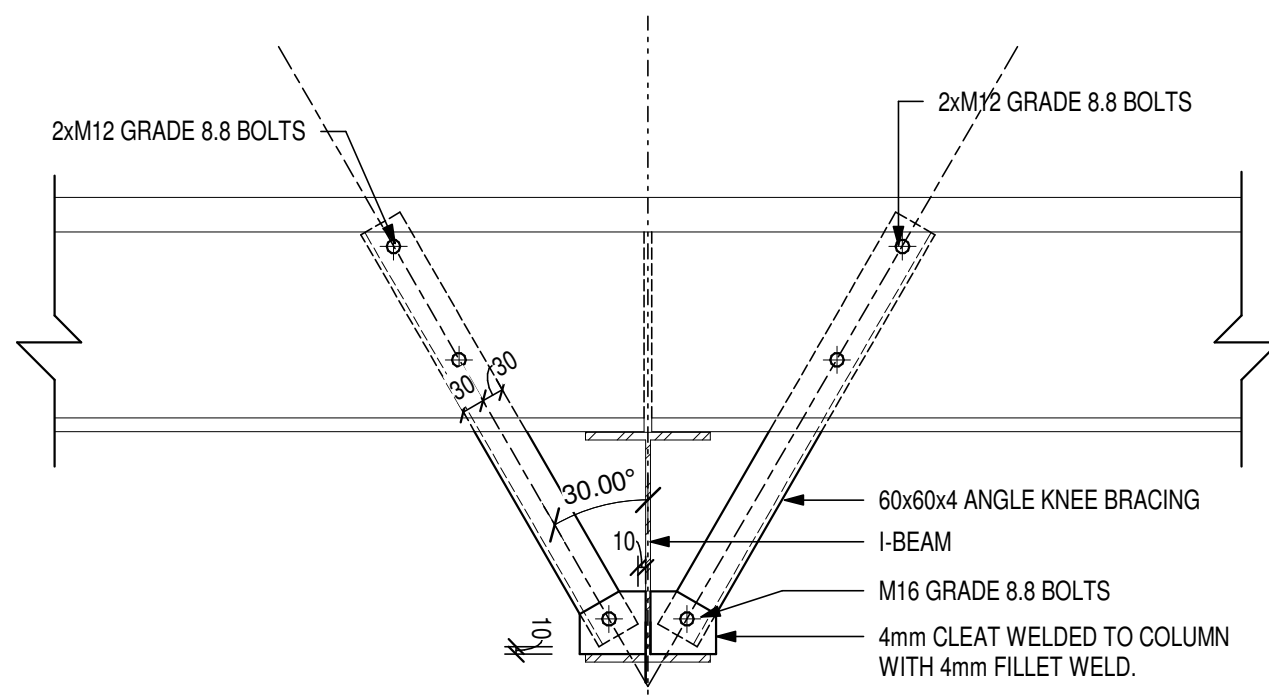
DECANTING WAITING
AREA ROOF

1:50

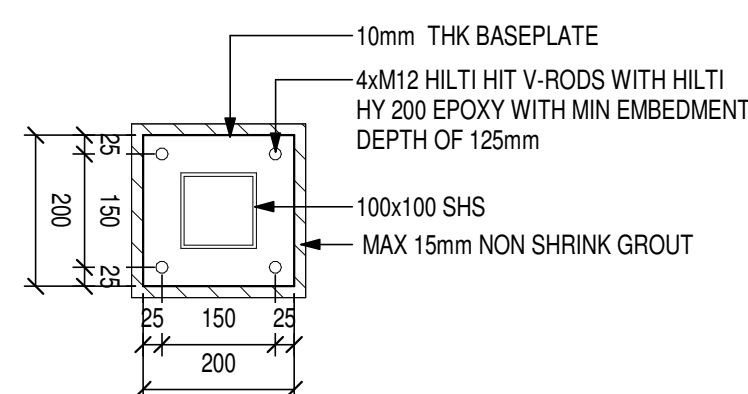


DECANTING WAITING
AREA ROOF SECTION

1:50

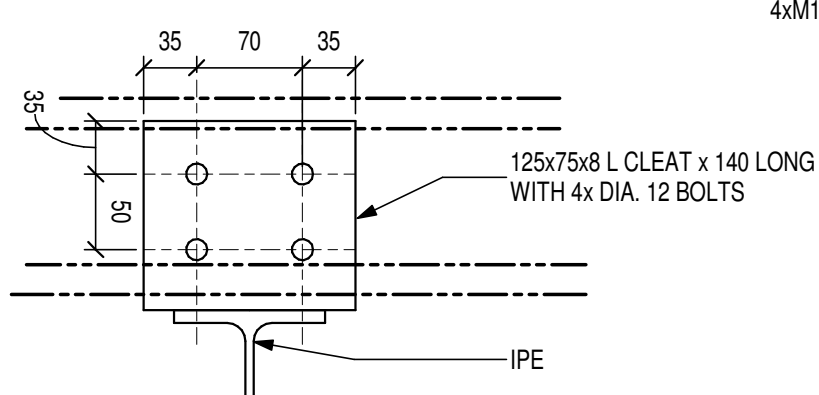


TYPICAL RAFTER KNEE BRACE (KB) DETAIL



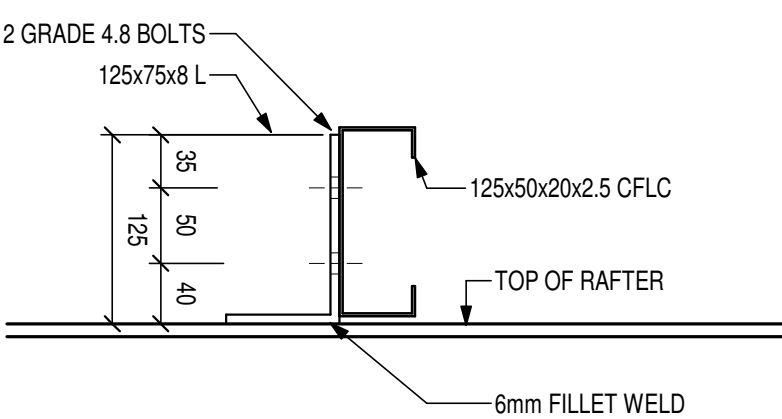
BASEPLATE DETAIL

SCALE 1:10



PURLIN CONNECTION DETAIL

SCALE 1:5



PURLIN SPLICE DETAIL

SCALE 1:5

NOTES ON STEEL WORK:

- FASTENERS:
- ALL FASTENERS TO BE CLASS 8.8 BOLTS WITH CLASS 8 LOCK NUTS
 - ONLY 2mm OVERSIZE BOLT HOLES ARE PERMITTED
- CONSTRUCTION / MANUFACTURING / ERECTION:
- STEEL STRUCTURES ARE TO BE STRICTLY IN ACCORDANCE WITH SANS 2001 CS1
 - STEEL GRADE S355
 - THE CONTRACTOR MUST SUBMIT DETAILED WORKSHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO MANUFACTURE
 - ONLY SIZES OF STRUCTURAL MEMBERS, CONNECTIONS AND SPLICES WILL BE CHECKED
 - FINAL DIMENSIONS AND THE CORRECT FITTING OF MEMBERS SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR
- WELDING:
- WELDING MUST BE OF HIGH QUALITY WITH MINIMUM DEFECTS
 - NO NOTCHES OR CRACKS SHALL BE ACCEPTED
 - THE FULL PENETRATION GROOVE WELDS SHALL HAVE CONTOURED FILLET
 - REINFORCING TO PROVIDE A SMOOTH FLOW OF STRESSES
 - ALL WELDS TO BE CONTINUOUS AND NOT INTERMITTENT
 - WELDS SHALL BE ALLOWED
 - INTERSECTING WELDS RUNNING IN VARIOUS DIRECTIONS AT ANY POINT MUST BE PREVENTED BY CUTTING SELECTED PLATES SO AS TO REMAIN CLEAR OF THE INTERSECTION

MINIMUM WELD SIZES:

THICKNESS OF THICKER PART (mm)	MIN FILLET WELD
1. UP TO 12mm	5mm
2. OVER 12mm TO 20mm	6mm
3. OVER 20mm TO 40mm	8mm

ALL WELDS TO BE E70 XX ELECTRODES WITH MIN WELD STRENGTH OF 480 MPa

PAINT SPECIFICATIONS:

CORROSION PROTECTION TO ALL EXTERNAL STEEL ELEMENTS FOR ENVIRONMENTAL CLASS C3 INDUSTRIAL FOR 5 YEAR MAINTENANCE PERIOD IN ACCORDANCE WITH ISO 12944 PART 2

ROOF MEMBER SIZES:

FOUNDATION: 125x125x4 PAD FOUNDATION

RAFTER: IPE 200

STEEL COL: 100x100x4.0 SHS LOWER SIDE (ST1)

STEEL COL: 100x100x2.5 SHS HIGHER SIDE (EXISTING)

SAG BARS: 50x50x2 SAG ANGLES WITH 4mm END PLATES & 24M10 G 8.8 BOLTS PER CONNECTION

BRACING: 50x50x4 L CROSS AND BOLTED MIDSPAN

PURLIN: 125x50x20x2.5 CPLC

PURLIN SPLICE: EVERY MEMBER END TO CREATE A CONTINUOUS SYSTEM - NOTED "SP"

KB: KNEE BRACES 60x60x4 L

ROOF SHEETING:

CLADDING AS PER ARCHITECT'S SPECIFICATIONS, AND INSTALLATIONS AS PER SUPPLIER'S SPECIFICATIONS.

NOTES / LEGEND

GENERAL

- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MATERIALS AND WORKMANSHIP CONFORM WITH THE DETAILS AND SPECIFICATIONS SHOWN ON THIS DRAWING, AND ALL RELEVANT SABS SPECIFICATIONS, IRRESPECTIVE OF WHETHER THE ENGINEER HAS INSPECTED THE WORKS ON SITE OR NOT.
- ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND CORRELATED WITH THE ENGINEER'S DRAWINGS BEFORE CONSTRUCTION COMMENCES.
- NO SCALING WITH SCALE RULER FROM THE DRAWING IS PERMITTED. THE CONTRACTOR MUST ENSURE THAT HE GETS THE CORRECT DIMENSIONS FROM THE ENGINEER BEFORE CONSTRUCTION COMMENCES.

ISSUE DATE	DRAWING SIZE	REVISION
2025-11-12	A0	0
PRELIMINARY		
INFO ONLY		
FOR TENDER		
X FOR CONSTRUCTION		
AS-BUILT		

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT REG. NO. DATE

AMENDMENTS CODE

A.B.C. / BEFORE TENDER	A. BY CLIENT
1. / TENDER DRAWING	B. BY ARCHITECT
0.1.2. / AFTER TENDER	C. BY MECHANICAL OR ELECTRICAL
Z. / AS BUILT	D. BY OTHER ()

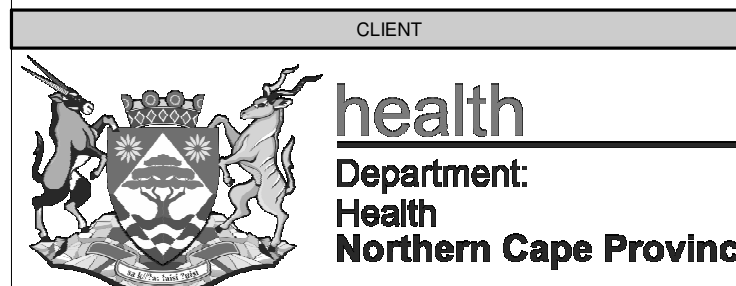
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DATE	INITIAL	NO	DESCRIPTION OF REVISION
2025-11-12	JH	0	ISSUED FOR CONSTRUCTION

OFFICES

PROVINCE	OFFICE	IS	E-MAIL
Free State	Central	(051) 447 2137	sb@bvi.co.za



PROJECT

UPGRADE AND
REFURBISHMENT OF LOGOBATE
PHC

DRAWING TITLE

DECANTING STEEL ROOF
LAYOUT

APPROVED BY BVI

JJ HAEFELE 20190844 2025-11-12

ENGINEER/TECHNOLOGIST REG. NO. DATE

SCALE As indicated DRAWN JH

DESIGNED JH CHECKED DP LEUKES

PLAN NUMBER REVISION NO DATE SAVED

35566S -210-01 0 2025-11-12

TO BE READ IN CONJUNCTION WITH:

-35566S-200-001