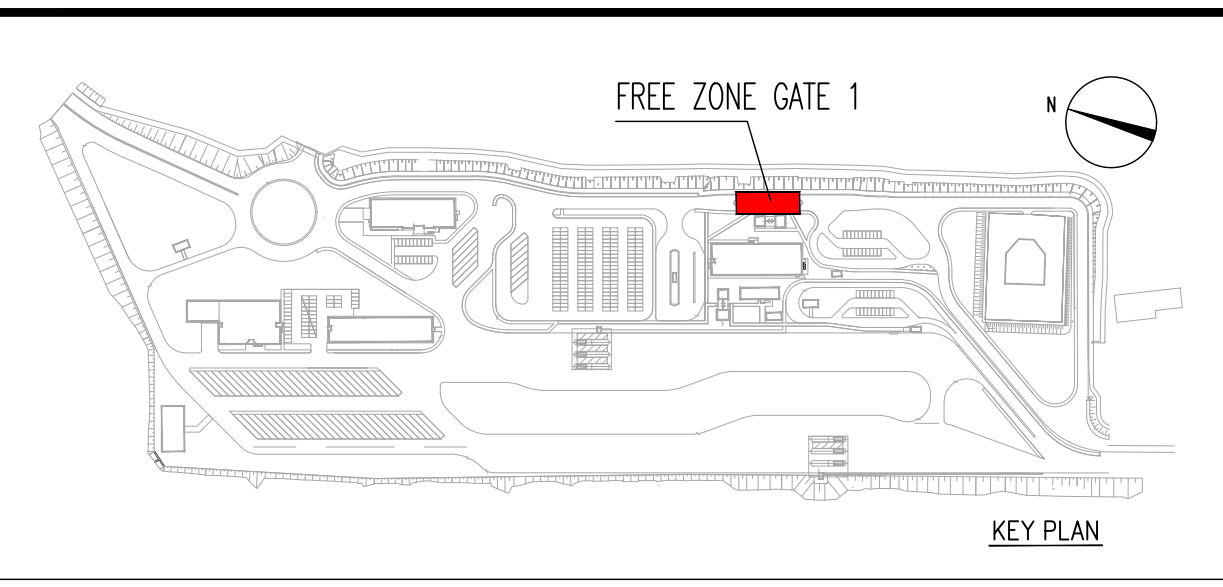
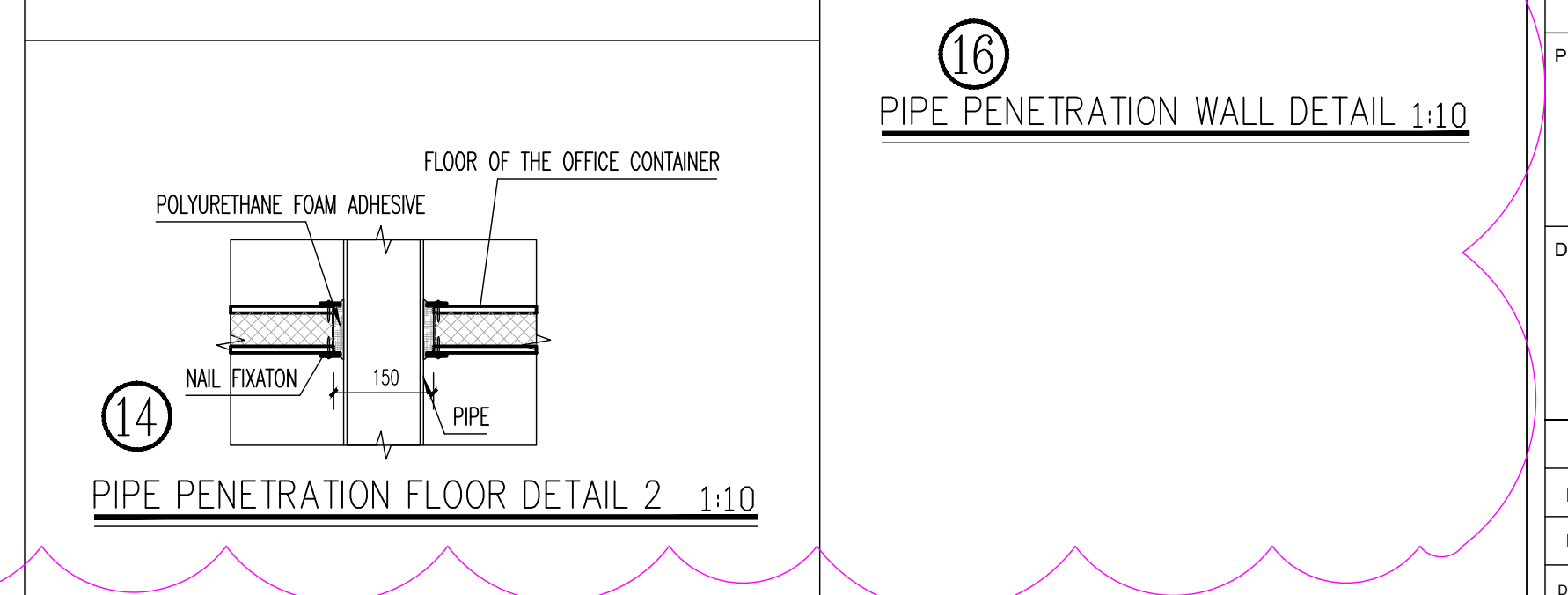
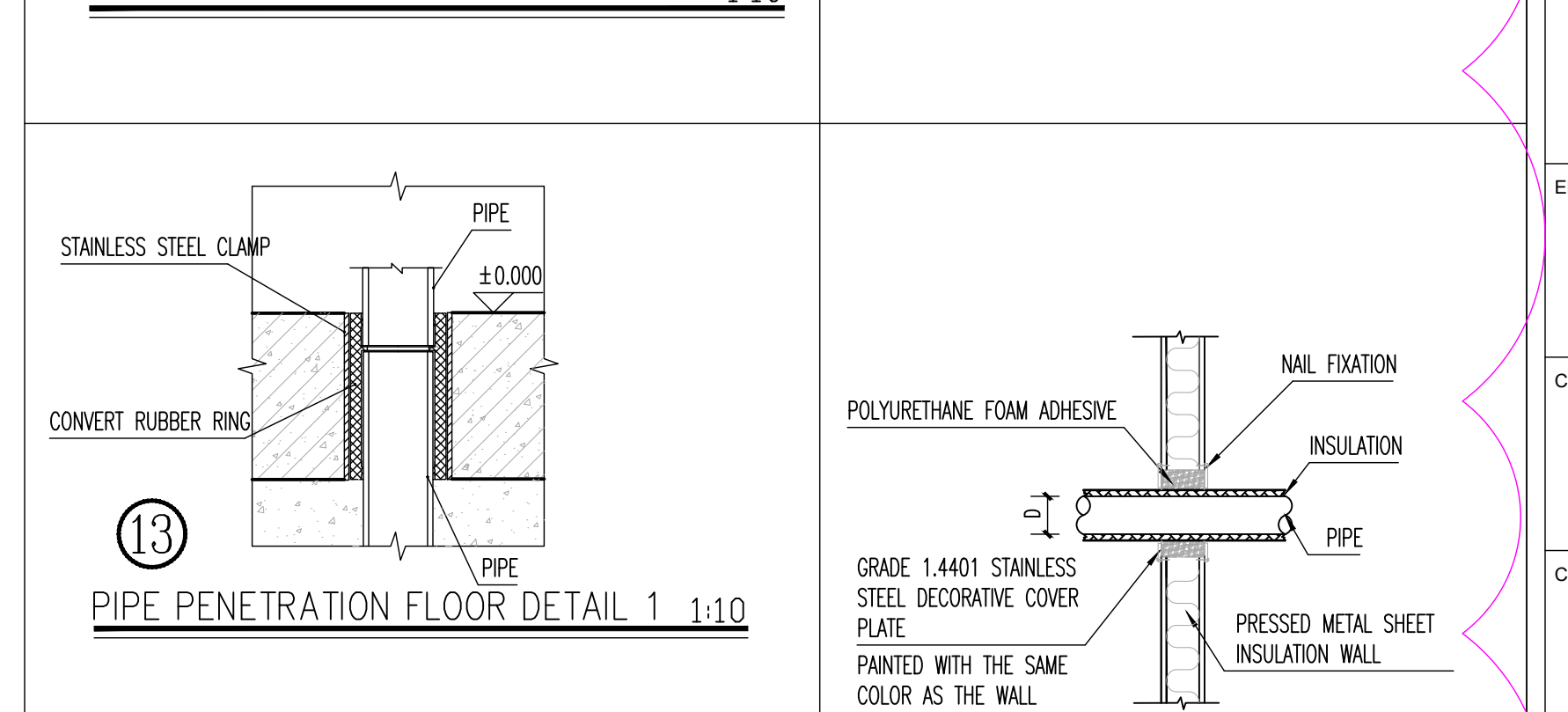
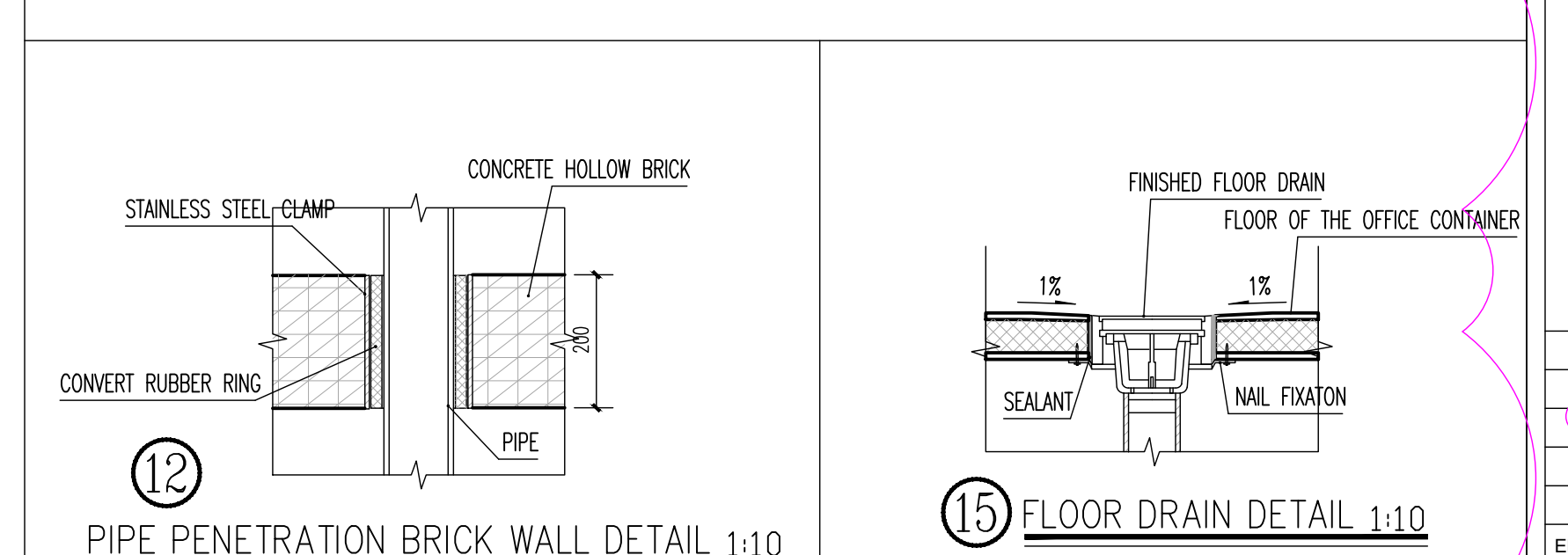
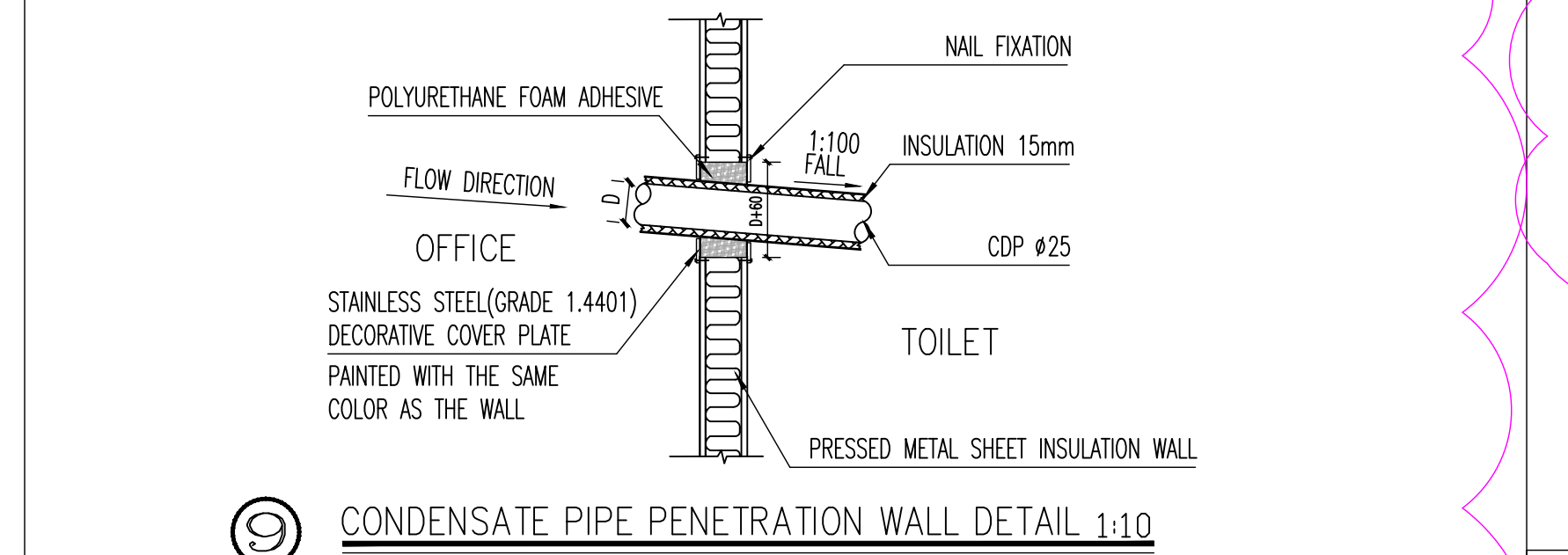
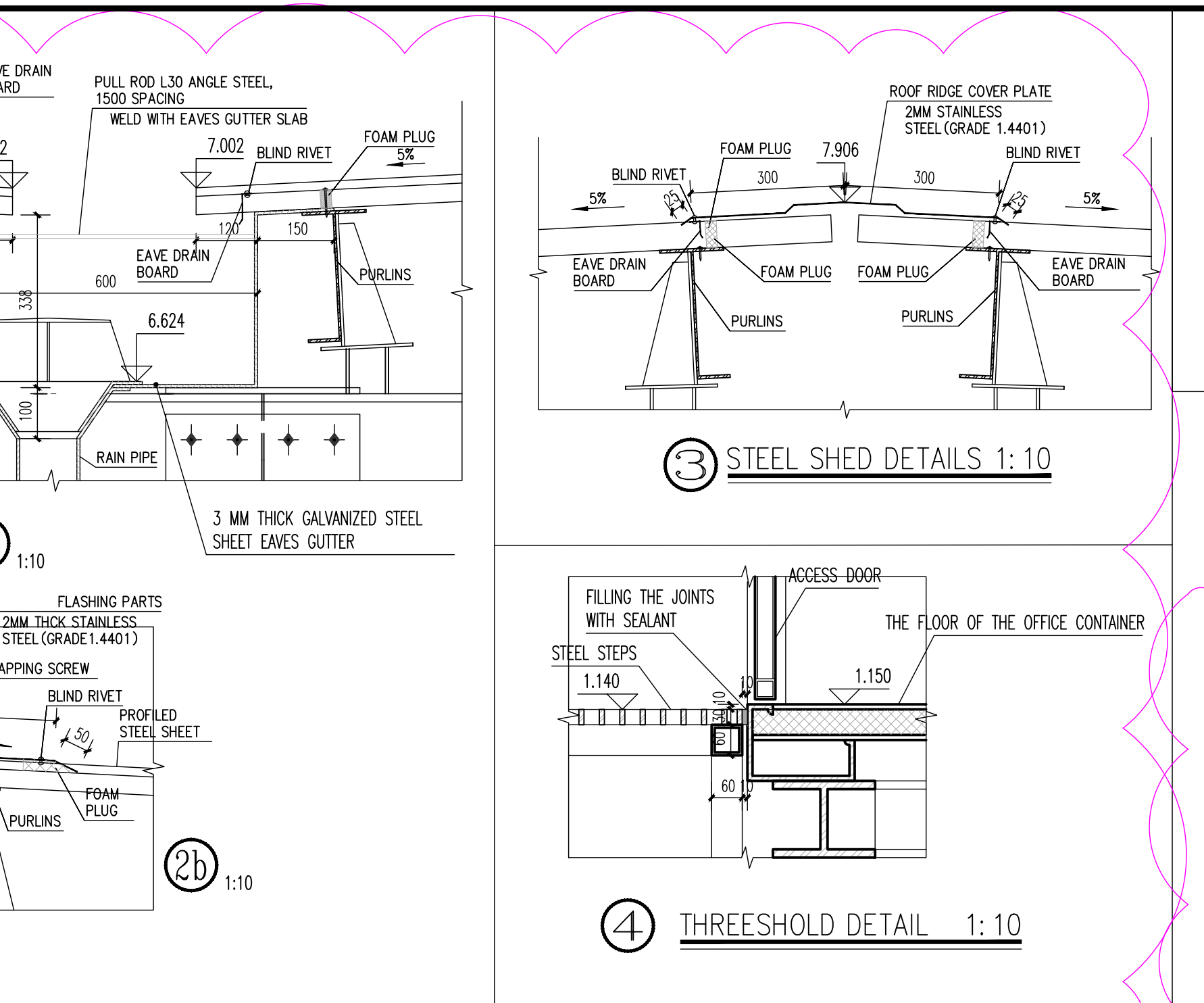
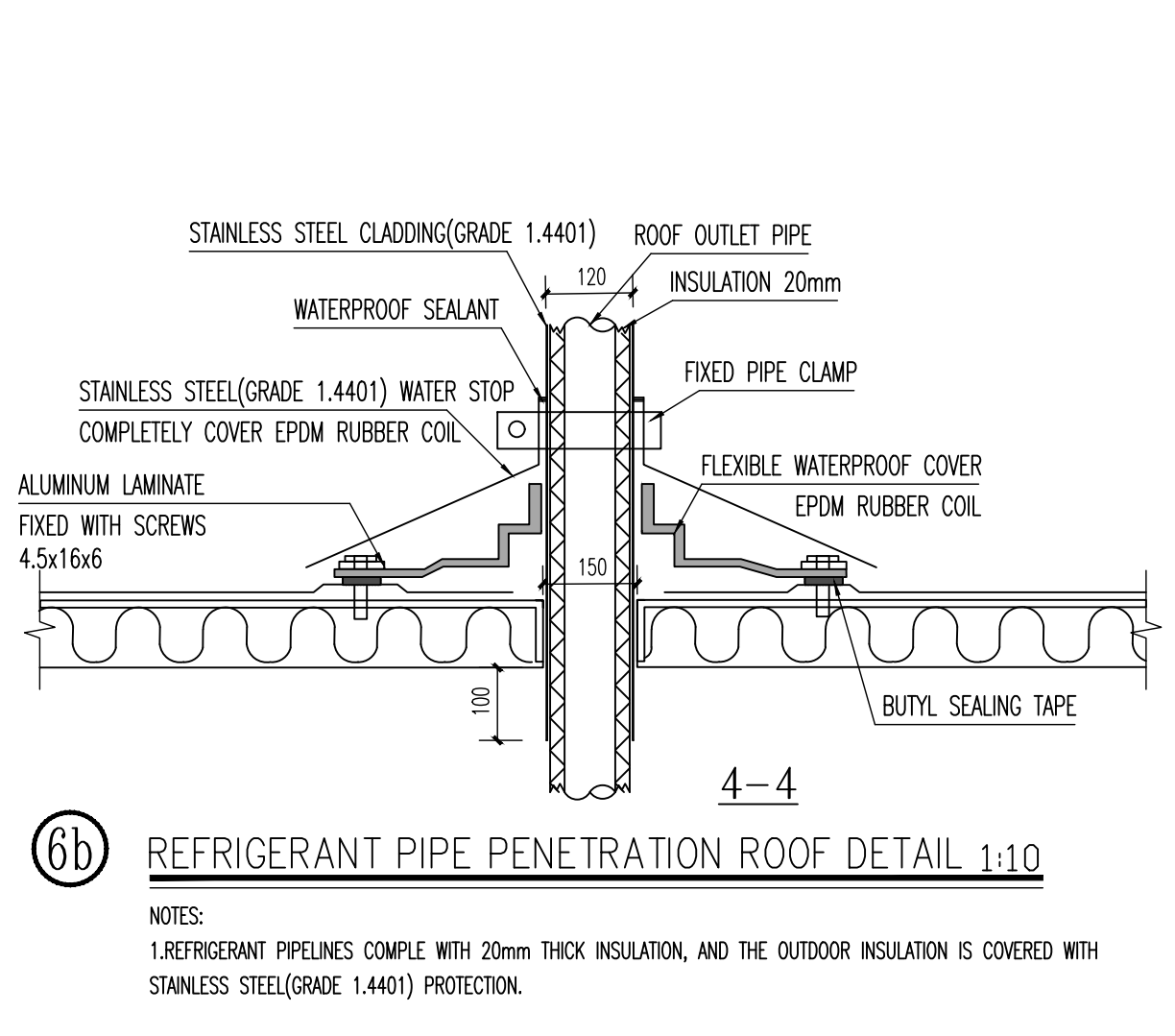
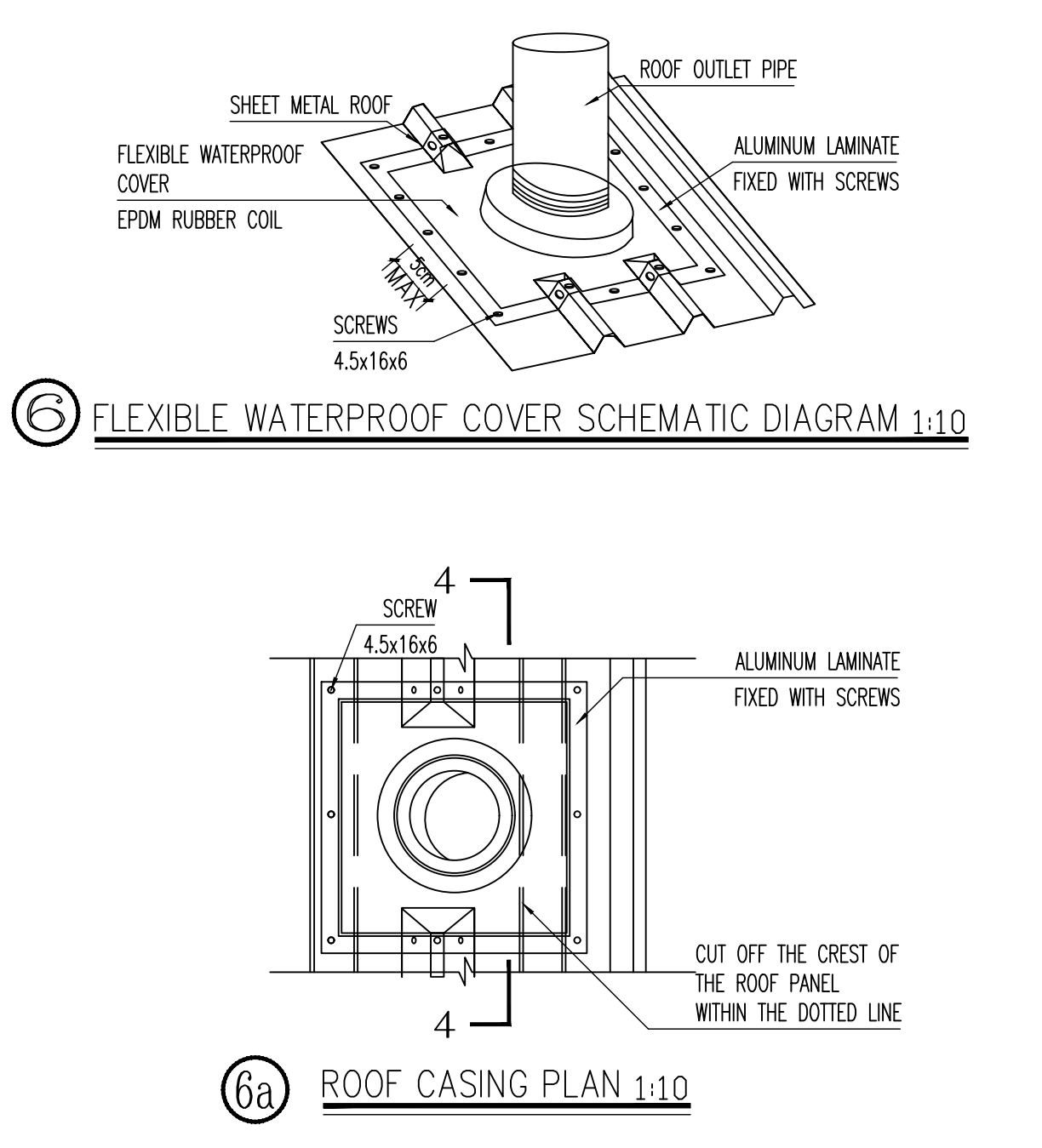
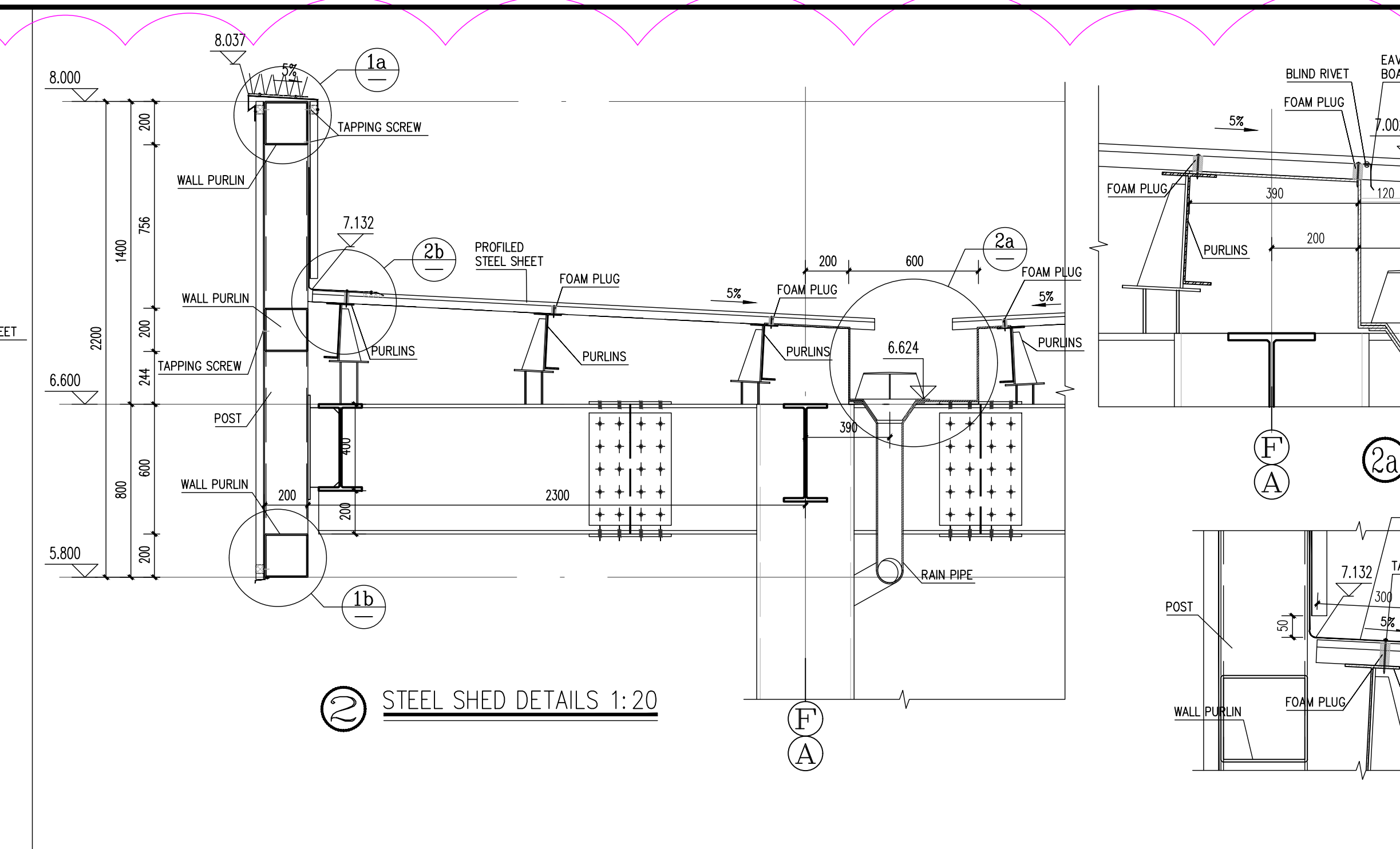
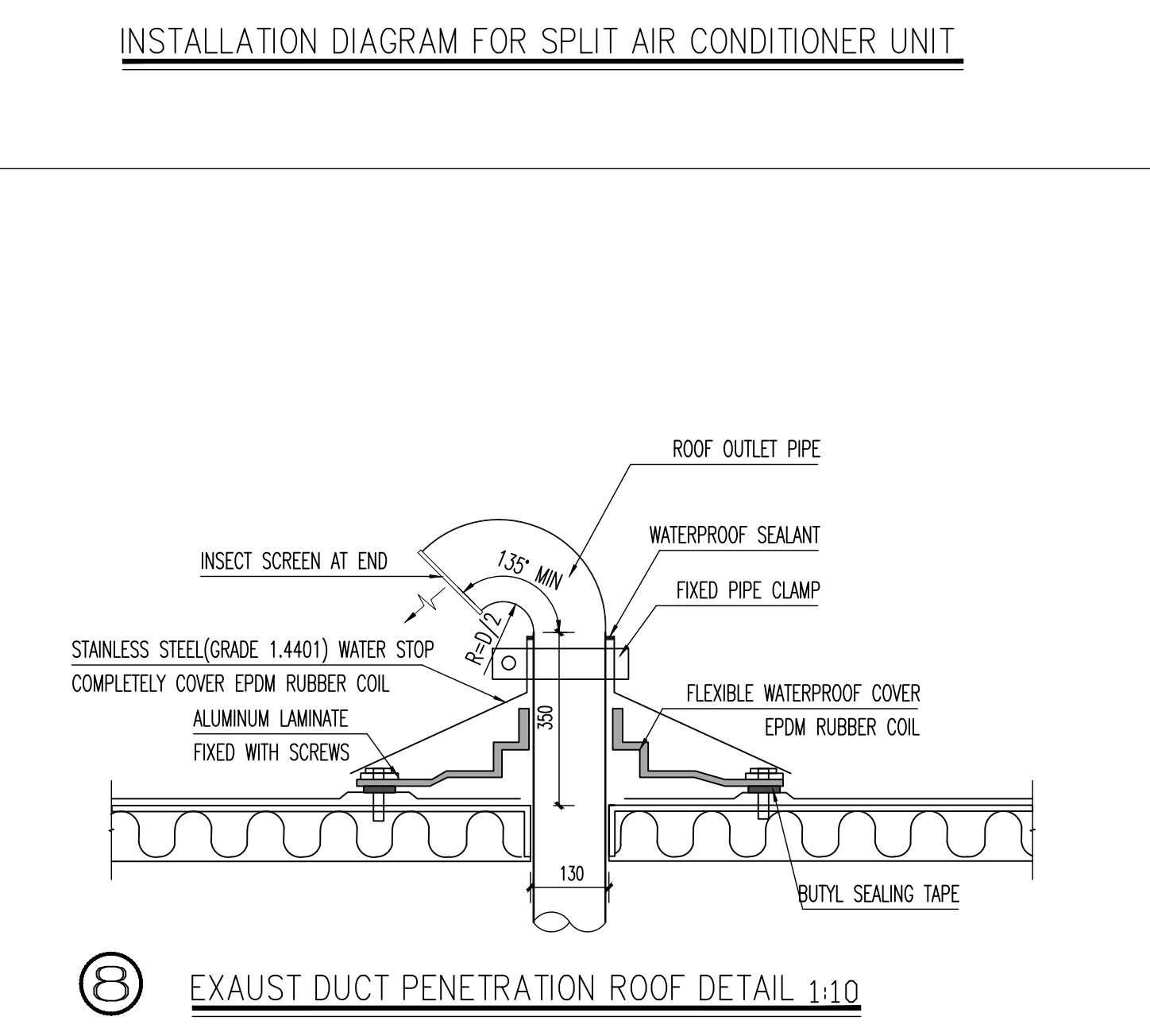
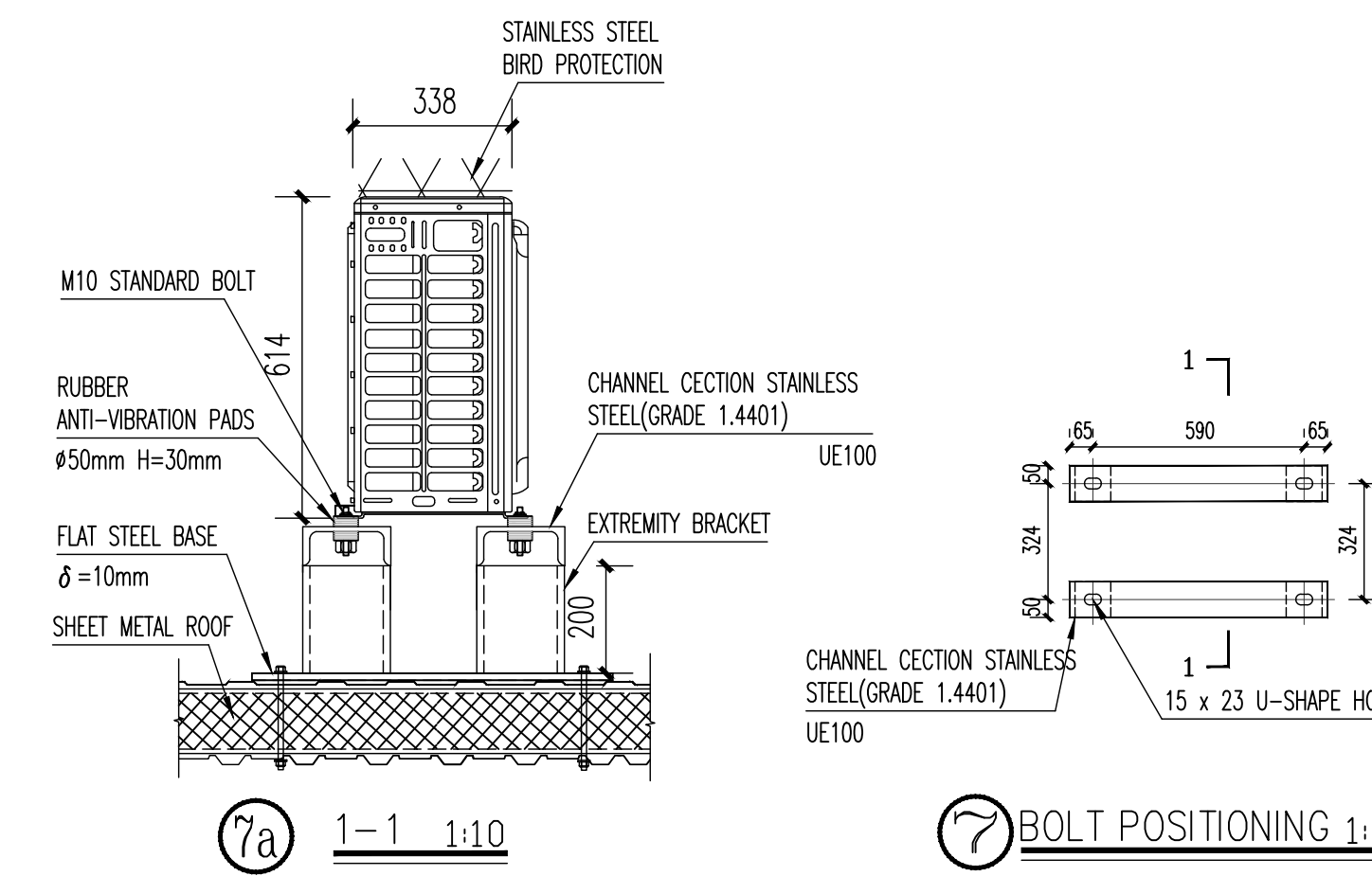
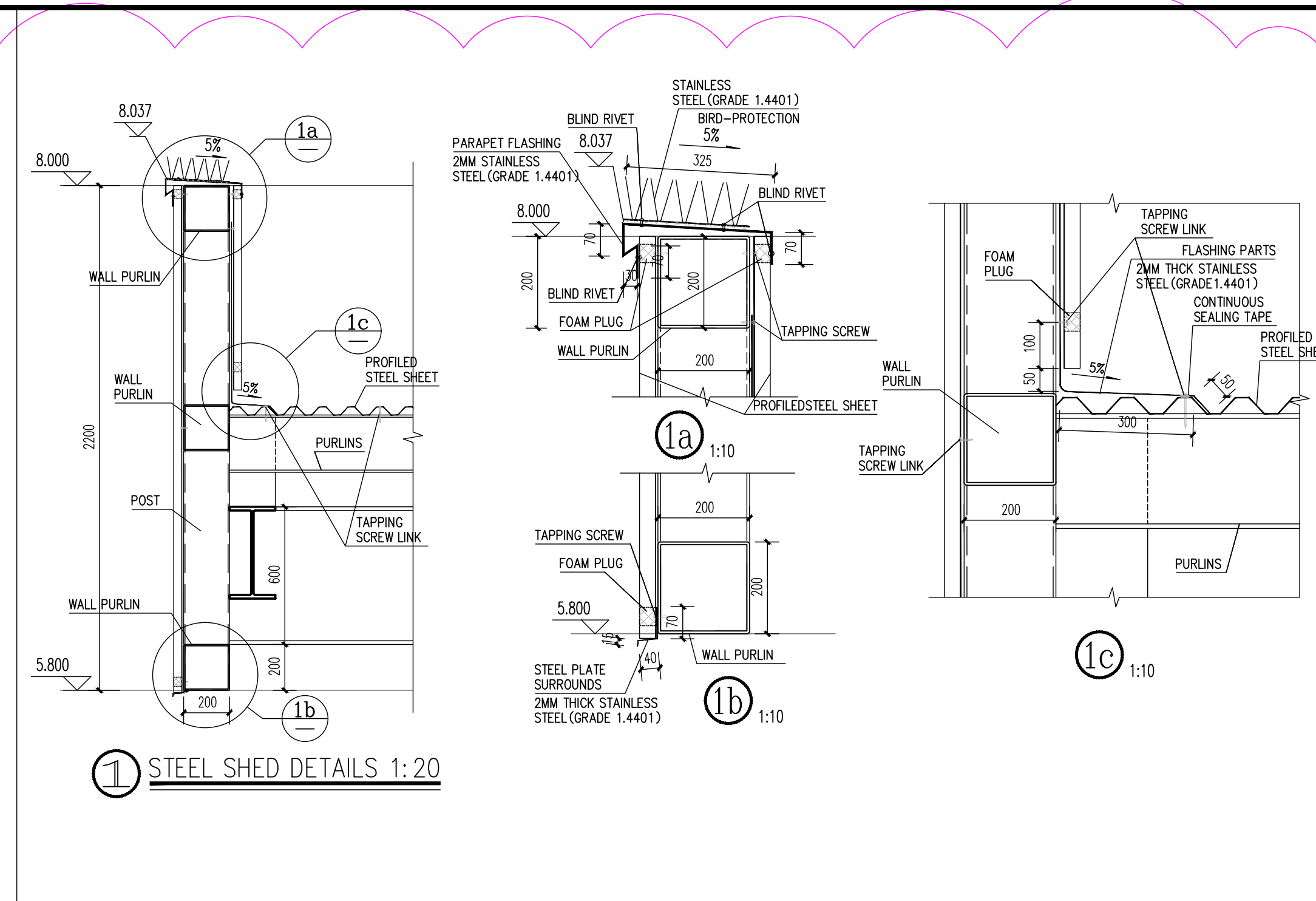


THE PERFORMANCE STANDARDS AND TEST RESULT FOR SAFETY GUARDRAIL

PROPERTY	LEVEL	TEST RESULT
CONTAINMENT LEVEL	H1	H1
IMPACT SEVERITY	A	A
NORMALIZED WORKING WIDTH	W _N =W(1.1 M)	1.1 M
NORMALIZED DYNAMIC DEFLECTION	D _N =0.5M	0.5 M
NORMALIZED VEHICLE INTRUSION	V _N =0.6(1.2 M)	1.2 M
DURABILITY	S235 JR GALVANIZED IN ACCORDANCE WITH ENISO 1461	1363G/M ² (AVERAGE)

- NOTES:
1. ALL CORRUGATED BEAMS AND SLABS SHALL UNDERGO ANTI-CORROSION TREATMENT ACCORDING TO THE REQUIREMENTS OF THE SPECIFICATION.
 2. THE SAFETY RAILS SHALL BE OF STRONG, GALVANIZED STEEL WITH VERTICAL POSTS EVERY 2 M.
 3. RETROREFLECTIVE BLACK-YELLOW PAINT, WITH 20CM-WIDE ALTERNATING STRIPES, BLACK (RAL9004) AND YELLOW (RAL1003).
 4. THE PAINT HAS TO BE RESISTANT AGAINST ABRASION AND ULTRAVIOLET RADIATION AND HAS TO BE APPROVED BY THE ENGINEER.
 5. SET A C25/30 CONCRETE FOUNDATION WITH DIMENSIONS OF 600 X600 X 500 MM UNDER EACH POST. THE CRASH BARRIER USED SHALL BE CE-CERTIFIED AND SHALL COMPLY WITH THE RULES OF THE STANDARD EN 1317- 5:2007+A2:2012.
 6. THE GUARDRAIL BOARD BASE PLATE IS LOCATED AT THE CONNECTION POINT WHERE THE TWO GUARDRAIL BOARD JOIN WITH THE COLUMN, SERVING TO REINFORCE THE STRUCTURE.



- NOTES:
1. ALL DIMENSIONS SHOWN IN THE DRAWING ARE IN MILLIMETER (MM), AND ALL LEVELS OR ELEVATIONS ARE IN METER (M) UNLESS OTHERWISE SPECIFIED.
 2. THE STEEL COMPONENTS AND THE EXPOSED METAL COMPONENTS OF THE STEEL SHED ALL MEET THE C5 ANTI-CORROSION REQUIREMENTS. THE NDT OF THE ANTI-CORROSION PAINT SHOULD BE $\geq 240\mu\text{m}$, INCLUDING $70\mu\text{m}$ OF PRIMER, $70\mu\text{m}$ OF INTERMEDIATE COATING, AND $100\mu\text{m}$ OF FINAL COAT.
 3. ALL GALVANIZING WORKS WHERE SPECIFIED SHALL BE HOT-DIP GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF EN ISO 1461:2009. THE MINIMUM COATING THICKNESS IS 85MM (STEEL 5MM THICK AND OVER). THE MINIMUM COATING THICKNESS IS 64MM (STEEL UNDER 5MM THICK BUT NOT LESS THAN 2MM).
 4. STEEL COMPONENTS SUCH AS ROOF PURLINS AND STRUCTURAL BEAMS FOR STEEL STRUCTURES OF THE BUILDING WILL BE FINALIZED BY THE SUPPLIER IN THE FORM OF MANUFACTURING DRAWINGS AND CONFIRMED BY THE CONSULTANT BEFORE PURCHASE ORDERS CAN BE PLACED AND CONSTRUCTION CAN COMMENCE.

Engineer Approval Codes			
Code Nr	Condition	Signature	Date
Code 1	Noted	Engineer's Representative	
Code 2	Noted with comments		
Code 3	Noted with comments		
Code 3	Noted with comments		
01	Revised according to RAD-CRBC-128 (ARCH Part)	23/03/2025	2-A
00	First Submittals	20/12/2024	2-A
REVISION	DESCRIPTION	DATE	CHECKED
EMPLOYER			
CAIPO Avenida Comandante Gliko n° 150 CP 1276 Sagrada Família Luanda, Angola			
EMPLOYER'S REPRESENTATIVE/ENGINEER			
Sellhorn HPC Sellhorn Ingenieurgesellschaft mbH Teltel: +49 (0) 36 12 01-0 Tel: +49 (0) 36 12 01-0 Fax: +49 (0) 36 12 01-28 E-Mail: info@sellhorn-hamburg.de www.sellhorn-hamburg.de			
CONSULTANT			
Sellhorn HPC Sellhorn Ingenieurgesellschaft mbH Teltel: +49 (0) 36 12 01-0 Tel: +49 (0) 36 12 01-0 Fax: +49 (0) 36 12 01-28 E-Mail: info@sellhorn-hamburg.de www.sellhorn-hamburg.de			
CONTRACTOR			
China Road and Bridge Corporation R. Poma Mendes Pires 55 Alameda Lusitana, Angola Fax: +004 22 232 7005 http://www.crbcc.com			
PROJECT			
The Project of the New Port of Cao in Cabinda			
DRAWING TITLE			
Onshore Buildings_Free Zone Gate 1			
Details 1			
DATE	DESIGNED BY	DRAWN BY	CHECKED BY
23/03/2025	23/03/2025	23/03/2025	23/03/2025
NAME	2-A	2-A	2-A
DESIGN STAGE	DETAILED DESIGN		
SCALE	1:20		
DRAWING N°	LOT1_DD_1023-A-06		