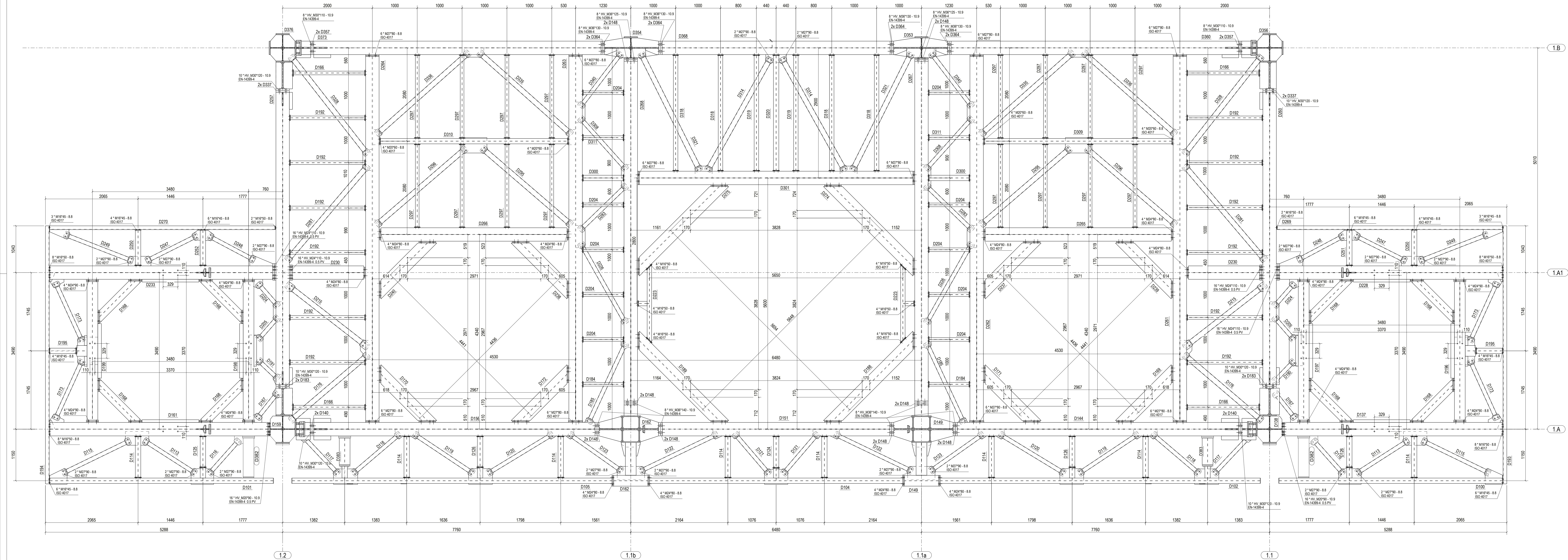
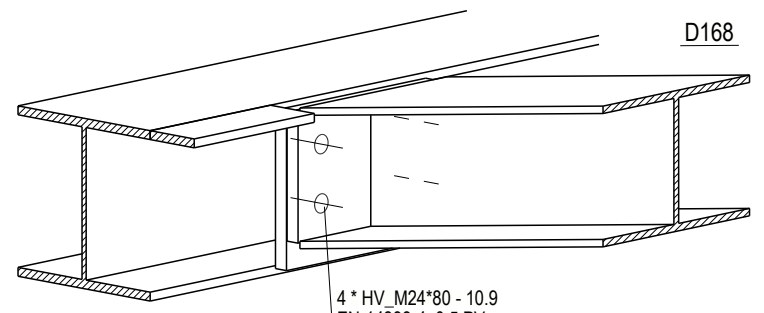


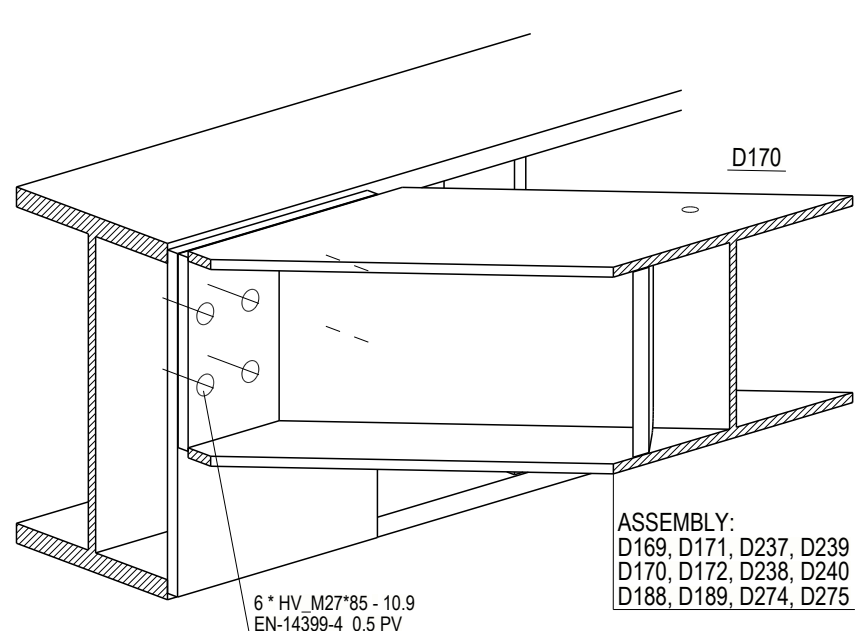
PLAN VIEW - LVL. +50.102



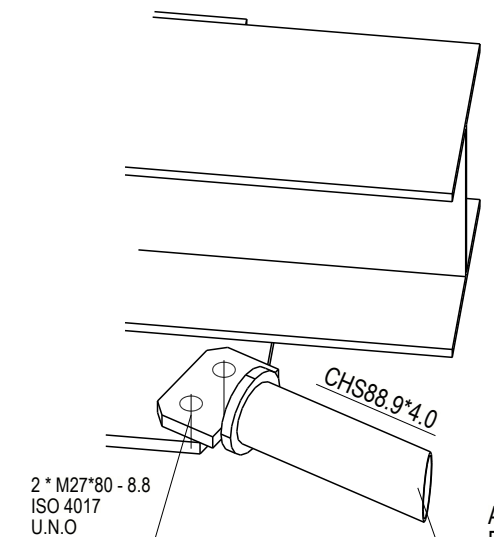
ASSEMBLY D168 DETAIL
1:10



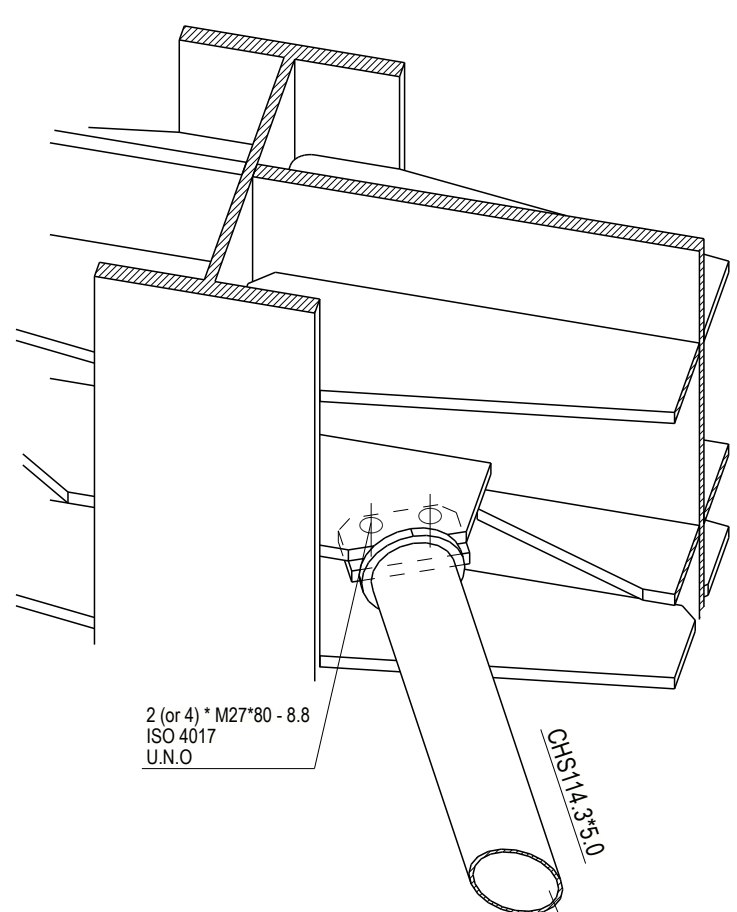
ASSEMBLY D170 DETAIL
1:10



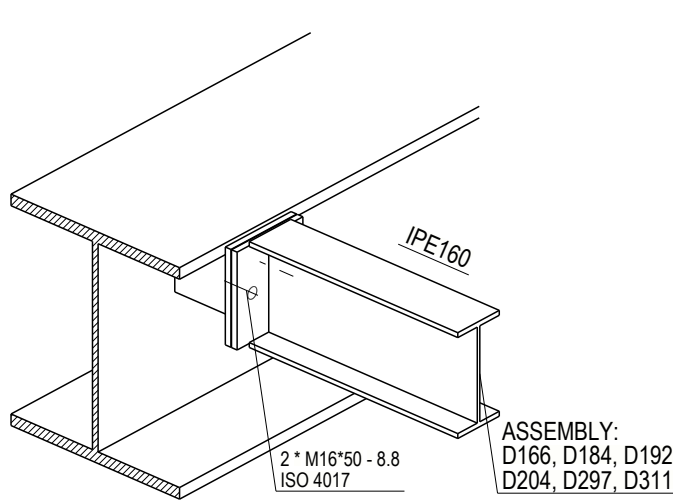
CHS88.9x4.0 DETAIL
1:10



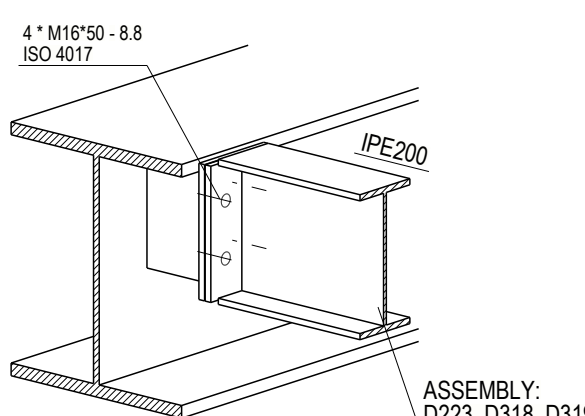
CHS114.3x5.0 DETAIL
1:10



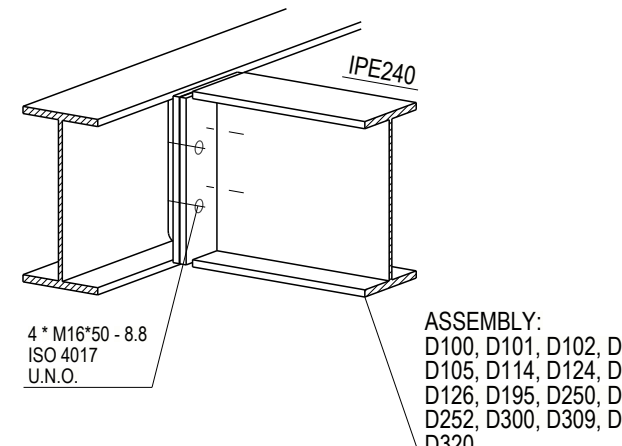
IPE160 DETAIL
1:10



IPE200 DETAIL
1:10



IPE240 DETAIL
1:10



Preload and tightening torque for 10.9 compressed connections Tightening method for bolts M10 (EN 1090-2:2018)				
Screw	Required preloading force Approximate value $F_{pr} = 0.7 \cdot A_s \cdot R_s$	First step Torque Nm	Second step Additional Nm	Degrees
M12 10.9 HV - K1	59			
M16 10.9 HV - K1	110			
M20 10.9 HV - K1	172			
M22 10.9 HV - K1	212			
M24 10.9 HV - K1	247			
M27 10.9 HV - K1	321			
M30 10.9 HV - K1	391			
M36 10.9 HV - K1	572			
M42 10.9 HV - K1	710			
M48 10.9 HV - K1	930			
M56 10.9 HV - K1	1260			

GENERAL NOTES:
1. MATERIAL GRADES:
- ALL PLATES WITH THICKNESS <15mm TO BE S355J2+N >=15mm TO BE S355J2+N+Z35. PLATES 55mm THICK TO BE S355J2+N+Z35;
- CHS406 4x10 and x16 TO BE S235J2H; ALL OTHER HOLLOW SECTIONS TO BE S355J2H;
- ALL OTHER PROFILES (I/H) WITH FLANGE THICKNESS <15 TO BE S355J2, 15-16mm TO BE S355J2+N+Z15, >19mm TO BE S355J2+N+Z25
- FOR BALUSTRADES HOLLOW SECTIONS S355J2H; CONNECTIONS S355J2+N; KICK PLATES S235JR;
- CHECKER PLATES TO BE S235JR (WITH WELDED STIFFENERS UNDERNEATH).
2. ALL BOLTS TO COMPLY WITH EN-ISO 4017 AND DIN EN 14399-4 STANDARD.
3. CORROSION PROTECTION - STRUCTURE TO BE PAINTED:
- RAL 7000: WHOLE MAIN STRUCTURE (INCLUDING HOIST RAILS); STAIRS, LADDERS AND FLOOR COVERING;
- RAL 1034: BALUSTRADES
4. SELECTION OF EXECUTION CLASS:
- CONSEQUENCE CLASS: CC2 (EN 1990:2023 4.3);
- TYPE OF LOADING: SEISMIC: DC2 (PREN 1998-1:2024);
- EXECUTION CLASS: EXC2 (EN 1993-1-1:2022 TABLE A.1);
5. ALL PLATFORM LEVELS DONOTES TOS LEVELS (NOT FFL)
6. ABBREVIATIONS:
- FFL - FINISH FLOOR LEVEL
- TOS - TOP OF STEEL
- U.N.O. - UNLESS NOTED OTHERWISE