

Workshop Topics	Skill Standard
Balustrade types – standard and proprietary systems including pool fencing.	
THEORY	
Safety Glass types and their uses	
Identifying glass types appropriate for the system and situation being presented	
Balustrade types – standard and proprietary.	
Rails and handrails per clause D1/AS1	
Exclusion of glass fences and swimming pool fences	
Durability requirements	
Handrails, Stairway ramps compliance re height and fixing, function / purpose and types.	
Interpret and apply codes of practice and industry standards – Building Act 2004, H & S in Employment Act 1992, NZS 4223:3: 2016 Glazing in Building – Human impact safety requirements, AS/NZS 1170;0;2002 Structural design actions – General Principals. AS/NZS 1576;1;2010 Scaffolding – General requirements (Code clauses B1/VM1 and B2/AS1) (Code clause F4) (AS/NZS1170.1) (AS/NZS1170.2) (AS/NZS2208) (NZS4223.1:2008)	28205
Substrate suitability – know when an engineer report is required – weight wind loading, extreme conditions with concrete and timber substrates (how to check? What to look for? Questions to ask?)	
Compliance – weight / wind loading, council, safety regulations for glass height/ type / thickness/ exposed edges	
Guidance on Barrier Design	
Reading & Interpreting specifications of sketches and plans noting variances. Create sketches	2545, 28208
Producer Statement and Documentation	
PRACTICAL	
Make a Template – variances identified & calculated using data lines, laser measuring. Template designed & produced in accordance with job specifications (workshop & site) template cutting made in accordance with worksite requirements.	26079 1.1 – 1.6 20520 1.4
Scaffolding – Know the regulations around scaffolding under 5m. Checked for compliance with H & S legislation requirement before it is used.	20520 1.5
Customer requirement confirmed – design details, dimensions, drawings & specifications, product information, site operational procedures	20520 1.1
Installation site check which includes measurements site floor levels and allowance for floor finishes, suitability & location of fixing provisions, plumb surrounds and / or level, any installation hazards or problems.	20520 1.3
Installation Techniques which include free standing, cantilevered type infill type <ul style="list-style-type: none"> Set out fabrication and installation of channel sections or fittings for the type of glass balustrade installation meets design, the job specifications and worksite requirements Fittings and fixing methods – gaskets, bolt tightening torque Installation of glass meets the job specification and worksite requirements Operations are completed without injury to personnel or damage to product & equipment Installation is cleaned & work area is left clear and cleaned Customer advised of relevant maintenance requirements 	20520 2.1 -- 20520 2.2 20520 2.3 20520 2.4 20520 2.5
THEORY	
PS 1 and PS3 – sign off, purpose, legal responsibilities	