

**P20 – UNFRAMED ISOLATED TRIMS/SKIRTINGS****IRAL-NH[P20]0001**

Rev	Summary of Changes	Author	Date	Check	Status
E00	Stage E issue	TMQ	04.04.08	AS	Stage E
F00	Stage F issue	AC	31.07.08	AS	Stage F
F01	Issued for Enclosed Courtyard tender	CR	12.09.08	AS	Stage F
F02	Clauses 111, 121 & 145 added. Clause 180 revised.	AC/TMQ	30.09.08	AS	Stage F
K00	Issued for Construction Added clauses 122, 170 Revised clause 200 Deleted clauses 190, 195, 196	PB/AC CR	19.01.09	AS	Stage K
K01	<b>Added Clause: 151</b> <b>Revised Clauses: 150, 155</b> <b>Revised Shot Peen Ref: 120, 121, 122, 130, 140, 150, 155 &amp; 200</b>	<b>AC</b>	<b>17.04.09</b>	<b>AS</b>	<b>Stage K</b>

**P20 Unframed Isolated Trims/ Skirtings/ Sundry items**

To be read with Preliminaries/ General Conditions.

**050 CONTROL SAMPLES**

- Procedure:
  - Finalize component details.
  - Provide finished samples of 1500 mm length of each of the following items:
    - P20/120
    - P20/130
    - P20/200
  - Fabricate and install positive and negative corner details 300x300 + junction details of each of the following items.
    - P20/120 in room G10a
    - P20/130 in room B15
    - P20/200 in room B12
  - Fabricate a one of each of the following designated items as part of the quantity required for the project:
    - Threshold between Rooms 101&105 (clause: P20/150)
  - Obtain approval of appearance and quality before proceeding with manufacture remaining items.

**110 SOFTWOOD SKIRTING TO MATCH EXISTING**

- Description: Softwood moulded skirting to match existing skirting.
- Location: GFL G09, 1FL 108  
Refer to IRAL-5230 & IRAL-5231
- Drawing reference(s): IRAL-2230 for details  
IRAL-5230 & IRAL-5231 for locations
- Quality of wood and fixing: To BS 1186-3.
  - Species: Douglas Fir
  - Class: CSH
- Moisture content at time of fixing: 9-13%
- Preservative treatment: No requirement
- Fire rating: Class 1
- Profile: To match existing.
  - Finished size: To match existing.
- Finish as delivered: Prepared and primed
- Final Finish: As M60/025
- Fixing: 38mm No10 wood screws, vertical pair at 450mm c/c and pelleted.
- Interfaces: Timber flooring: K21/110,  
Doors: L20  
Plasterboard dry linings/partitions, see section K10

**111 SOFTWOOD SKIRTING TO MATCH EXISTING**

- Description: Softwood plane skirting to match existing skirting.
- Location: Bsmt. Rooms: B50  
Refer to IRAL-5230
- Drawing reference(s): IRAL-2230 for details
- Quality of wood and fixing: To BS 1186-3.
  - Species: Douglas Fir
  - Class: CSH
- Moisture content at time of fixing: 9-13%
- Preservative treatment: No requirement
- Fire rating: As required
- Profile: rectangular.
  - Finished size: To match existing, approximately 150mm high.
- Finish as delivered: Prepared and primed

- Final Finish: As M60/151
  - Fixing: 38mm No10 wood screws, vertical pair at 450mm c/c and pelleted.
  - Interfaces: Rubber flooring: M50/110,  
Doors: see section L20  
Plasterboard dry linings/partitions, see section K10
- 115 **SOFTWOOD SKIRTING**
- Description: Softwood plane skirting.
  - Location: Bsmt. Rooms: B08, B02, B09  
Refer to IRAL-5230 & IRAL-5231
  - Drawing reference(s): IRAL-2230 for details
  - Quality of wood and fixing: To BS 1186-3.
    - Species: Douglas Fir
    - Class: CSH
  - Moisture content at time of fixing: 9-13%
  - Preservative treatment: No requirement
  - Fire rating: As required
  - Profile: rectangular.
    - Finished size: 120x15mm.
  - Finish as delivered: Prepared and primed
  - Fixing: 38mm No10 wood screws, vertical pair at 450mm c/c and pelleted.
  - Interfaces: Rubber flooring: M50/110,  
Doors: see section L20  
Plasterboard dry linings/partitions, see section K10
- 120 **METAL SKIRTING – FLAT SECTION**
- Description: Stainless steel skirting.
  - Location: Refer to IRAL-5230 & IRAL-5231
  - Drawing reference(s): IRAL-2230 for details
  - Material: Stainless Steel 316-S11
    - Thickness: 1.6mm
    - Height: 120mm
    - Length: 1.5 m
  - Finish: Shot peened as Z35/1532
  - Fixing: Adhesive to 12mm plywood behind.  
Plywood as clause K11/816 , mechanically fixed to plasterboard, screws countersunk.
  - Joints: tbc
  - Metalwork: As section Z11.
  - Special conditions: Mitred welded external and internal corners
  - Interfaces: Floor finishes: M50/110, K21/110, M40/120, M40/140, M40/150  
Plasterboard dry linings/partitions, see section K10  
Doors, see section L20
- 121 **METAL SKIRTING – FLAT SECTION**
- Description: Stainless steel skirting at Room G06 and Stair 7
  - Location: Refer to IRAL-5230 & IRAL-5231
  - Drawing reference(s): IRAL-08/2230 for details
  - Material: Stainless Steel 316-S11
    - Thickness: 3mm
    - Height: 24mm
    - Length: Varies, cut to fit
  - Finish: Shot peened as Z35/1532

- Fixing: Adhesive to 9mm plywood behind.  
Plywood as clause K11/816 , mechanically fixed to plasterboard, screws countersunk.
  - Joints: tbc
  - Metalwork: As section Z11.
  - Special conditions: Mitred welded external and internal corners
  - Interfaces: Floor finishes: M40/120  
Plasterboard dry linings/partitions, see section K10  
Doors, see section L20  
Existing Masonry/Stone
- 122 METAL SKIRTING – FLAT SECTION
- Description: Stainless steel skirting.
  - Location: Enclosed Courtyard B12. Refer to IRAL-5230 & IRAL-5231.
  - Drawing reference(s): IRAL-2230 for details
  - Material: Stainless Steel 316-S11
    - Thickness: 1.6mm
    - Height: 150mm (confirm on site), to match height of skirting in Canteen B50.
    - Length: 1.5 m
  - Finish: Shot peened as Z35/1532
  - Fixing: Adhesive to 12mm plywood behind.  
Plywood as clause K11/816 , mechanically fixed to plasterboard, screws countersunk.
  - Joints: 1mm max. butt joints.
  - Metalwork: As section Z11.
  - Special conditions: Mitred welded external and internal corners
  - Interfaces: Floor finishes: M40/124  
Render M20/126  
Doors, see section L20
- 130 METAL SKIRTING – PRESSED SECTION
- Description: Stainless steel skirting.
  - Location: Refer to IRAL-5230 & IRAL-5231
  - Drawing reference(s): IRAL-2230 for details
  - Material: Stainless Steel 316-S11
    - Thickness: 1.6mm
    - Height: 120mm
    - Length: 1.5m
  - Finish: Shot peened as Z35/1532
  - Fixing: Glued to 6mm plywood behind for stiffness, then fixed to sub-layer per drawing IRAL-2230.
  - Joints: tbd
  - Metalwork: As section Z11.
  - Special conditions: Mitred welded external and internal corners
  - Interfaces: Rubber flooring: M50/110  
Doors  
Plasterboard dry linings/partitions, see section K10
- 145 FOLDED METAL EDGE TRIM AT PLANTER
- Location: Enclosed Courtyard. Refer to IRAL-2041
  - Manufacturer: Ingersoll Rand Security Technologies - Martin Roberts  
Performance Steel Doorsets
  - Material: Grade 316S11stainless steel
    - Thickness: 1.6mm
    - Height: 100mm
    - Length: Single lengths as per drawing
    - Width: 35mm

North House		P20
-	Finish:	Controlled shot peened refer to Z35/1532.
-	Fixing:	Post-fitted onto treated timber packing with c/s face fixed.
-	Metalwork:	as section Z11
150	<b>FOLDED METAL THRESHOLD</b>	
-	Location:	Refer to <b>IRAL-2440 to IRAL-2462</b> and IRAL-2235 & <del>IRAL-2236</del> and GA plans
-	Manufacturer:	Ingersoll Rand Security Technologies - Martin Roberts Performance Steel Doorsets
-	Material:	Grade 316S11stainless steel
-	- Thickness:	1.6mm
-	- Sizes:	Refer to GA plans, Door Schedule IRAL 2400 & IRAL 2401 and IRAL-2235 & <del>IRAL-2236</del> for nominal dimensions. Final vertical dimensions to link differences between finished floor levels. <b>Final widths to be coordinated with door frame.</b>
-	Finish:	Controlled shot peened refer to Z35/ <del>152</del> <b>153</b> .
-	Fixing:	<del>Post-fitted onto timber packing with c/s face fixed.</del> <b>Folded threshold adhesive fixed to timber packer with packer provided with c/s holes to accommodate punched c/s hole in threshold. Threshold assembly fixed with s/s c/s screws with torx drive head to sub-floor. Locations and number of screws to be coordinated with accepting sub-floors.</b>
-	Metalwork:	as section Z11
151	<b>FOLDED METAL THRESHOLD</b>	
-	Description:	<b>Folded metal threshold to main entrance door. Under side of plate routed at edges to achieve minimum curvature at edges, and with two cut holes to accept floor spring cover plates as P21/451.</b>
-	Location:	<b>ED-G06-1</b>
-	Drawing references:	<b>Door schedule IRAL-2400, IRAL-2410 and IRAL-2440</b>
-	Manufacturer:	<b>Ingersoll Rand Security Technologies - Martin Roberts Performance Steel Doorsets</b>
-	Material:	<b>Grade 316S11stainless steel</b>
-	- Thickness:	<b>3mm</b>
-	- Sizes:	<b>Refer to GA plans, Door Schedule IRAL 2400 and IRAL-2440 for nominal dimensions.</b> <b>Final width to be coordinated with door frame.</b>
-	Finish:	<b>Controlled shot peened refer to Z35/153.</b>
-	Fixing:	<b>Folded threshold screw fixed though plastic packer with s/s c/s screws with torx drive head to sub-floor. Number and exact location of screws to CA approval.</b>
-	Metalwork:	<b>as section Z11</b>
155	<b>FLAT METAL THRESHOLD</b>	
-	Location:	<b>ED-B11-1</b> <del>Refer to IRAL-2235 &amp; IRAL-2236 and GA plans</del>
-	Drawing references:	<b>IRAL-2440, IRAL-2411</b>
-	Manufacturer:	Ingersoll Rand Security Technologies - Martin Roberts Performance Steel Doorsets
-	Material:	Grade 316S11stainless steel
-	- Thickness:	3 mm
-	- Sizes:	Refer to GA plans, <b>IRAL-2440, IRAL-2411</b> , <del>Door Schedule IRAL-2400 &amp; IRAL-2401 and IRAL-2235 &amp; IRAL-2236</del> for nominal dimensions.
-	Finish:	Controlled shot peened refer to Z35/ <del>152</del> <b>153</b> .

- Fixing: **1mm chamfered edges to top surface.**  
Post-fitted onto ~~timber-plastic~~ packing with c/s face fixed  
c/s face fixed to ~~stone-slab screed~~.
  - Metalwork: **Number and exact location of screws to CA approval.**  
as section Z11
- 160 METAL ANGLE THRESHOLD
- Location: Refer to IRAL-2235 & IRAL-2236 and GA plans
  - Manufacturer: ParkerSteel  
John Parker & Son Limited  
Vauxhall Road  
Canterbury  
Kent  
CT1 1HD
  - Product: Stainless Equal Engle 30x30x5mm
  - Material: Grade 1.4301 stainless steel
  - Sizes: Refer to GA plans, Door Schedule IRAL 2400 & IRAL 2401  
and IRAL-2235 & IRAL-2236 for nominal dimensions.
  - Finish: brushed
  - Fixing: c/s screw to concrete slab.
  - Metalwork: as section Z11
- 170 METAL FRAME TO ENTRANCE MATTING
- Location: G06 Entry Hall
  - Drawing reference: IRAL-04/2440 & IRAL-01/1320
  - Manufacturer: ParkerSteel  
John Parker & Son Limited  
Vauxhall Road  
Canterbury  
Kent  
CT1 1HD
  - Product: Stainless Equal Engle 25x25x3mm
  - Material: Grade 1.4301 stainless steel
  - Size: Refer to IRAL-01/1320 for nominal dimensions.
  - Finish: brushed
  - Fixing: c/s screw to concrete creed.
  - Metalwork: as section Z11
  - Other requirements: Profiles mitre cut and welded together forming the frame.
- 180 NEW TIMBER WINDOW SILLS
- Description: Hardwood planed window sill
  - Location: Basement, ground, first, second and third floors
  - Drawing reference(s): Refer to GA plans, IRAL-2320 to IRAL-2324 for details
  - Quality of wood and fixing: To BS 1186-3.
    - Species: Tulipwood
    - Class: CSH
  - Moisture content at time of fixing: 9-13%
  - Preservative treatment: No requirement
  - Fire rating: As required
  - Profile: rectangular.
    - Finished size: Varies, refer to details.
  - Finish as delivered: Factory finished to M60/141
  - Fixing: Screwed to timber framing
  - Interfaces: Windows: L10  
Plasterboard dry linings/partitions, see section K10

**200 ENCLOSED COURTYARD COVER TRIM**

- Location: Room B12
- Drawings: Refer to IRAL 1021, 1023, 1024, 1025, 1026, 2020, 2022, 2023, 2035, 2036.
- Description: Stainless steel folded plate to Z11 with countersunk holes for fixing.
- Material: Stainless steel to BS EN 0088-2, grade 1.4401 (BS 1449:Part 2, grade 316) refer Z11/200.
- Size: 140 x 20 x 3mm thick. Refer to Drawings.
- Finish: Shot peened to Z35/15~~23~~.
- Fixing: A4-70 grade countersunk self tapping stainless steel screws to gutter support brackets R10/115 at max 650mm centres.
- Tolerance: Maximum allowable deviation from flat: 2mm in 1000mm.
- Joints: 3mm panel to panel joints with integral butt strap behind.
- Corners: Corners trim to be formed from a single piece 675 x 675 in order to avoid mitre joints at the corners. Refer 01/IRAL-2022.

**EXECUTION**

**510 INSTALLATION GENERALLY**

- Joinery workmanship: As section Z10.
- Metal workmanship: As section Z11.
- Methods of fixing and fasteners: As section Z20 where not specified.
- Straight runs: To be in one piece or in long lengths with as few joints as possible.
- Running joints: Location and method of forming to be agreed where not detailed.
- Joints at angles: mitred
- Position and level: To be agreed where not detailed.

**End of P20**