

**QUALIFICATION FILE – CONTACT DETAILS OF SUBMITTING BODY**

**Name and address of submitting body:**

**Construction Skill Development Council of India**

**Address:-** 204, Aashirwad Complex, D-1, Green Park, New Delhi - 110016

Tel: +91-11-46584466

**Name and contact details of individual dealing with the submission**

**Name:** Ms. Jancy Mathew

**Position in the organisation:** Head Standards and Research

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**List of documents submitted in support of the Qualifications File**

1. Career Map Of Interior & Exterior Finishes Occupation - Annexure 1
2. QP CON/Q1107- Annexure 2

## QUALIFICATION FILE SUMMARY

<b>Qualification Title</b>	False Ceiling & Dry Wall Installer - QP CON/Q1107		
<b>Body/bodies which will assess candidates</b>	<ul style="list-style-type: none"> <li>• MCG</li> <li>• Star Projects</li> </ul>		
<b>Body/bodies which will award the certificate for the qualification.</b>	CSDCI		
<b>Body which will accredit providers to offer the qualification.</b>	CSDCI		
<b>Occupation(s) to which the qualification gives access</b>	Interior & Exterior Finishes		
<b>Proposed level of the qualification in the NSQF.</b>	3		
<b>Anticipated volume of training/learning required to complete the qualification.</b>	400 hrs		
<b>Entry requirements / recommendations.</b>	Preferably 5th standard		
<b>Progression from the qualification.</b>	Chargehand False Ceiling & Drywall Installer L-4		
<b>Planned arrangements for RPL.</b>	Work is under progress		
<b>International Comparability</b>	Comparable with UK Standard and Australia Standard		
<b>Formal structure of the qualification</b>			
<b>Title of unit or other component</b> (include any identification code used)	<b>Mandatory/ Optional</b>	<b>Estimated size (learning hours)</b>	<b>Level</b>
CON/N1120: Carry out preparatory works and levelling procedure for fixing false ceiling	Mandatory	56	3
CON/N1121: Install flush jointed ceiling system at construction site	Mandatory	88	3
CON/N1122: Install exposed grid suspended panel ceiling system at construction site	Mandatory	88	3
CON/N1123: Install wall partitions and panels	Mandatory	80	3
CON/N8001: Work effectively in a team to deliver desired results at the workplace	Mandatory	24	3
CON/N8002: Plan and organize work to meet expected outcomes	Mandatory	16	3
CON/N9001: Work according to personal health, safety and environment protocol at construction site	Mandatory	48	3

Please attach any document giving further detail about the structure of the qualification – eg a Curriculum or Qualification Pack.

Give details of the document here:

1. QP CON/Q1107- Annexure 2

## SECTION 1

### ASSESSMENT

**Name of assessment body:**

If there will be more than one assessment body for this qualification, give details.

- MCG
- Star Projects

**Will the assessment body be responsible for RPL assessment?**

Give details of how RPL assessment for the qualification will be carried out and quality assured.

The RPL assessment will be carried out through screening, identifying the skills gaps, provide bridge training to cover the competency gap and then conduct final assessment of the candidates.

**Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, consistent and fair and show that these are in line with the requirements of the NSQF:**

Assessment is done through third parties who are affiliated to CSDCI as Assessment Body. Assessors are trained & certified by CSDCI through Training of Trainers program. The assessment involves two processes. The first process is gathering the evidence of the competency of individuals. The second part of the assessment process is the judgement as to whether a person is competent or not. The assessment plan contains the following information:

- What will be assessed, i.e. the competency based on each NOS
- How assessment will occur i.e. methods of assessment
- When the assessment will occur
- Where the assessment will take place i.e. context of the assessment (workplace/simulation)
- The criteria for decision making i.e. those aspects that will guide judgements and
- Where appropriate, any supplementary criteria used to make a judgement on the level of performance.

The assessment is conducted through theory, viva voce and practical.

Please attach any documents giving further information about assessment and/or RPL.

Give details of the document(s) here:

**Not Applicable**

### ASSESSMENT EVIDENCE

Complete the following grid for each grouping of NOS, assessment unit or other component as per the assessment criteria. Insert the required number of rows.

## CRITERIA FOR ASSESSMENT OF TRAINEES

### False Ceiling & Dry Wall Installer

#### CON/Q1107

#### Construction Skill Development Council Of India

##### Guidelines for Assessment

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the knowledge part will be based on knowledge bank of questions created by Assessment Bodies subject to approval by SSC
3. Individual assessment agencies will create unique question papers for knowledge/theory part for assessment of candidates as per assessment criteria given below
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on assessment criteria.
5. The passing percentage for each QP will be 50%. To pass the Qualification Pack, every trainee should score a minimum of 50% individually in each NOS.
6. The Assessor shall check the final outcome of the practices while evaluating the steps performed to achieve the final outcome.
7. The trainee shall be provided with a chance to repeat the test to correct his procedures in case of improper performance, with a deduction of marks for each iteration.
8. After the certain number of iteration as decided by SSC the trainee is marked as fail, scoring zero marks for the procedure for the practical activity.
9. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack within the specified timeframe set by SSC.
10. Minimum duration of Assessment of each QP shall be of 4hrs/trainee.

		<b>Marks Allocation</b>			
<b>Assessable Outcome</b>	<b>Assessment criteria</b>	<b>Total Marks</b>	<b>Out Of</b>	<b>Theory</b>	<b>Practical Skills</b>
<b>CON/N1120: Carry out preparatory works and leveling</b>	PC1. understand and follow the instructions provided by the supervisor for fixing of false ceiling		5	1	4
	PC2. check all tools and equipments for false ceiling work are provided at the workplace				
	PC3. check that clearance for carrying out false ceiling work is provided		5	1	4

<b>procedure for fixing false ceiling</b>	PC4. check material for false ceiling such as boards, grids and for fixing hangers, grids and fixtures, etc. are stacked and aligned appropriately at the workplace		5	1	4	
	PC5. ensure that board(gypsum, plaster, fiber board)is measured accurately as per specifications using correct tools		5	1	4	
	PC6. ensure proper markings are done on gypsum board for cutting to the required dimensions		5	1	4	
	PC7. check and ensure board is cut as per required specification		5	1	4	
	PC8. check and ensure markings are done for ceiling brackets and perimeter as per specification		5	1	4	
	PC9. measure and assess the ceiling for fixing of false ceiling		6	1.2	4.8	
	PC10. notify superior in case of any deviation in levels for perimeter fixing		6	1.2	4.8	
	PC11. check that access equipments like work platforms and ladders are safely erected and in place		6	1.2	4.8	
	PC12. confirm the start point and end point for false ceiling installation		6	1.2	4.8	
	PC13. select tools and equipments to carry out leveling and marking		6	1.2	4.8	
	PC14. check for serviceability of tools and equipments prior to use		6	1.2	4.8	
	PC15. confirm heights or levels to be transferred from sketches through instructions		6	1.2	4.8	
	PC16. set up leveling device accurately		6	1.2	4.8	
	PC17. record heights or level and the transfer data points		6	1.2	4.8	
	PC18. transfer the specified levels as per specification		6	1.2	4.8	
	PC19. mark the location of ceiling brackets/perimeter for false ceiling works ,partitions and dry wall installation		6	1.2	4.8	
	PC20. convey any deviation in level to the superiors and rectify levels as per instructions		5	1	4	
		<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>	
	<b>CON/N1121: Install flush jointed ceiling system at construction site</b>	PC1. understand and follow the instructions provided by the supervisor for fixing of false ceiling	<b>100</b>	2	0.4	1.6
		PC2. establish datums and levels in accordance with the work specification		2	0.4	1.6
PC3. set out and install fixing points in various backgrounds in accordance with the specification		4		0.8	3.2	
PC4. mark the wall for fixing ceiling brackets and perimeter for suspended ceiling		6		1.2	4.8	
PC5. mark and cut plasterboard/gypsum board/fiber board to required shape		5		1	4	
PC6. apply various framing systems such as metal grid, steel furring, steel c-stud and resilient mounted		5		1	4	

	furring channel as per specification			
	PC7. use adhesive and/or fastener to fix plasterboard directly to metal grid, steel furring, steel c-stud and resilient mounted furring channel as per specification	5	1	4
	PC8. provide control joints as per specifications	5	1	4
	PC9. cover joints and edges of plasterboards using jointing compound and paper tape to strengthen the joints	5	1	4
	PC10. provide cut out for services work as per specification	5	1	4
	PC11. finish the fixed board using appropriate compounds, cements and	5	1	4
	PC12. accessories for finishing plasterboard installations thereby hiding screws and bolts	4	0.8	3.2
	PC13. draw a line completely around the room using a level indicating the position of wall angle	5	1	4
	PC14. mark the wall for fixing ceiling brackets and perimeter for suspended ceiling	5	1	4
	PC15. fasten the wall angles/perimeter channel securely to the wall at all points	5	1	4
	PC16. fix wall angles using screw anchors, nails or other masonry fasteners on brick or masonry walls	4	0.8	3.2
	PC17. fix metal ceiling angle strip from roof at specified points as per drawing/specification	4	0.8	3.2
	PC18. connect free ends of the metal ceiling angle strips to the perimeter channel using intermediate channels with metal-to-metal screws	4	0.8	3.2
	PC19. fix and fit the ceiling sections to the perimeter channel, perpendicular to the intermediate channels	4	0.8	3.2
	PC20. connect ceiling sections to the intermediate channels using a connecting clip or appropriate fasteners	4	0.8	3.2
	PC21. fix plasterboards of the desired thickness to the ceiling sections with drywall screws	4	0.8	3.2
	PC22. cover joints and edges of plasterboards using jointing compound and paper tape to strengthen the joints	4	0.8	3.2
	PC23. provide cut out for services work as per specification	2	0.4	1.6
	PC24. finish the fixed board using appropriate compounds, cements and accessories for finishing plasterboard installations thereby hiding screws and bolts	2	0.4	1.6
	<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>
<b>CON/N 1122: Install exposed grid suspended panel ceiling</b>	PC1. understand and follow the instructions provided by the supervisor for fixing of false ceiling	6	1.2	4.8
	PC2. establish datums and levels in accordance with the work specification	6	1.2	4.8
	PC3. set out and install fixing points in various	7	1.4	5.6

<b>system at construction site</b>	backgrounds in accordance with the specification				
	PC4. mark the wall for fixing ceiling brackets and perimeter for suspended ceiling	7	1.4	5.6	
	PC5. mark and cut plasterboard to required shape/as per panel size to fit around columns, sprinklers and to accommodate flush lighting systems, etc	6	1.2	4.8	
	PC6. install selected wall trim with the bottom flange aligned at the required ceiling level	6	1.2	4.8	
	PC7. accurately position and fix suspension brackets to the floor/roof structure to support main tees	6	1.2	4.8	
	PC8. cut main tees so that the cross tee slots are appropriately located to suit the margin	6	1.2	4.8	
	PC9. install main tees into the suspension brackets by appropriate method	7	1.4	5.6	
	PC10. join main tees by sliding the self-locking end tabs together and locate the outer ends of the main tees on the wall trim for stability	7	1.4	5.6	
	PC11. install the cross tees through the pre-punched slots in the main tees forming a grid	6	1.2	4.8	
	PC12. cut and install the outer cross tees on to the wall trim as per specifications	6	1.2	4.8	
	PC13. provide additional cross tees to support panels at the side of light fittings	6	1.2	4.8	
	PC14. lift the different panel through the grid and position face down on the bottom flanges of the grid main/cross tees	6	1.2	4.8	
	PC15. cover joints and edges of plasterboards panels using jointing compound and paper tape to strengthen the joints	6	1.2	4.8	
	PC16. finish the fixed board using appropriate compounds, cements and accessories	6	1.2	4.8	
		<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>
	<b>CON/N 1123: Install wall partitions and panels</b>	PC1. check to ensure proper cleaning of walls, floors and other possible contact areas	2	0.4	1.6
		PC2. check to ensure the line of partition and level on end wall or column, slab soffit and floor slab is marked as per approved shop drawings	2	0.4	1.6
PC3. check to ensure evenness of slab soffit before installing the ceiling frame		2	0.4	1.6	
PC4. level the floor before installing the floor frame		2	0.4	1.6	
PC5. check and ensure that the ceiling and floor frame are fixed properly		2	0.4	1.6	
PC6. check to ensure spacing between frames is as per board dimension and layout		2	0.4	1.6	
PC7. check to ensure the height of vertical frame is as per specification		2	0.4	1.6	
PC8. check to ensure the joints in the frames are jointed as per specification		2	0.4	1.6	
PC9. ensure boards are accurately marked for cutting		2	0.4	1.6	
	<b>100</b>				

to the required dimensions
PC10. ensure panels are cut as per specified dimensions using correct tools and equipments
PC11. ensure proper spacing between bottom end of panel and floor
PC13. ensure additional support for fixing door frames /sockets/additional fixtures is provided in studs
PC14. follow method statement for installation of horizontal and vertical panels
PC15. identify and calculate area and layout of board to be installed
PC16. ensure that the supporting structures are correctly installed for correct alignment of the panels
PC17. ensure correct positioning of panels before fixing
PC18. fix the panel on the frame using screws ensuring proper spacing between screws
PC19. ensure verticality of the end wall using a spirit level or laser marker
PC20. place studs in direct contact with doors frame jambs, abutting partitions, partition corners/edges, and existing construction elements
PC21. ensure proper placement of fixing element perpendicular to the surface of panel
PC22. check overall verticality of studs
PC23. Install screws from ends and edges of panels, and on centre along abutting end joints
PC24. install panels in such a manner that panel joints do not align with edge of opening
PC25. fix the panels on the required surface ensuring minimum distance from the edges of the panel
PC26. for multi-layered boards, stagger joints between the layers, as well as on opposite sides of partitions
PC27. ensure proper spacing between vertical joints of panels and partitions
PC28. cover panel joints with cover plates
PC29. check that the panels or partition boards are correctly aligned and that the joints are precise
PC30. ensure that the infill and cladding panels should be free from any distortions and joints are accurately aligned
PC31. follow method statement for fixing of wall partitions
PC32. identify and calculate area and layout of board to be installed
PC33. ensure that the supporting structures are correctly installed for correct alignment of the partitions

2	0.4	1.6
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2	0.4	1.6



	PC34. ensure correct positioning of partition boards before fixing		2	0.4	1.6
	PC35. ensure proper spacing between screws		2	0.4	1.6
	PC36. place studs in direct contact with doors frame jambs, abutting partitions, partition corners/edges, and existing construction elements		2	0.4	1.6
	PC37. ensure that the surface is clean and dry before applying fixing element to the required surface		2	0.4	1.6
	PC38. ensure proper placement of fixing element perpendicular to the surface of partition board		2	0.4	1.6
	PC39. check overall verticality of studs		3	0.6	2.4
	PC40. ensure horizontal bracing for all stud partitions should be as per approved and standard procedures		2	0.4	1.6
	PC41. install screws from ends and edges of partition boards, and on centre along abutting end joints		2	0.4	1.6
	PC42. fix the abutments, junction posts, head and floor frames in line and plumb		2	0.4	1.6
	PC43. fix the vertical sections of partitions in line and plumb		3	0.6	2.4
	PC44. level and line the horizontal members such as transoms, crash rails, etc.		2	0.4	1.6
		<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>
<b>CON/N8001: Work effectively in a team to deliver desired results at the workplace</b>	PC1. pass on work related information/ requirement clearly to the team members	<b>100</b>	10	2	8
	PC2. inform co-workers and superiors about any kind of deviations from work		5	1	4
	PC3. address the problems effectively and report if required to immediate supervisor appropriately		5	1	4
	PC4. receive instructions clearly from superiors and respond effectively on same		5	1	4
	PC5. communicate to team members/subordinates for appropriate work technique and method		5	1	4
	PC6. seek clarification and advice as per requirement and applicability		10	2	8
	PC7. hand over the required material, tools tackles, equipment and work fronts timely to interfacing teams		30	6	24
	PC8. work together with co-workers in a synchronized manner		30	6	24
			<b>Total</b>	<b>100</b>	<b>20</b>
<b>CON/N8002: Plan and organize work to meet expected outcomes</b>	PC1. understand clearly the targets and timelines set by superiors	<b>100</b>	10	2	8
	PC2. plan activities as per schedule and sequence		10	2	8
	PC3. provide guidance to the subordinates to obtain desired outcome		10	2	8
	PC4. plan housekeeping activities prior to and post completion of work		10	2	8
	PC5. list and arrange required resources prior to		10	2	8

	commencement of work				
	PC6. select and employ correct tools, tackles and equipment for completion of desired work		10	2	8
	PC7. complete the work with allocated resources		10	2	8
	PC8. engage allocated manpower in an appropriate manner		10	2	8
	PC9. use resources in an optimum manner to avoid any unnecessary wastage		5	1	4
	PC10. employ tools, tackles and equipment with care to avoid damage to the same		5	1	4
	PC11. organize work output, materials used, tools and tackles deployed,		5	1	4
	PC12. processes adopted to be in line with the specified standards and instructions		5	1	4
		<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>
<b>CON/N9001: Work according to personal health, safety and environment protocol at construction site</b>	PC1. identify and report any hazards, risks or breaches in site safety to the appropriate authority	<b>100</b>	5	1	4
	PC2. follow emergency and evacuation procedures in case of accidents, fires, natural calamities		5	1	4
	PC3. follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable		10	2	8
	PC4. participate in safety awareness programs like Tool Box Talks, safety demonstrations, mock drills, conducted at site		5	1	4
	PC5. identify near miss , unsafe condition and unsafe act		5	1	4
	PC6. use appropriate Personal Protective Equipment (PPE) as per work requirements including: <ul style="list-style-type: none"> <li>• Head Protection (Helmets)</li> <li>• Ear protection</li> <li>• Fall Protection</li> <li>• Foot Protection</li> <li>• Face and Eye Protection</li> <li>• Hand and Body Protection</li> <li>• Respiratory Protection (if required)</li> </ul>		10	2	8
	PC7. handle all required tools, tackles , materials & equipment safely		5	1	4
	PC8. follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines		5	1	4
	PC9. install and apply properly all safety equipment as instructed		15	3	12
	PC10. follow safety protocol and practices as laid down by site EHS department		15	3	12
	PC11. collect and deposit construction waste into identified containers before disposal, separate containers that may be needed for disposal of toxic or hazardous wastes		10	2	8
	PC12. apply ergonomic principles wherever required		10	2	8

		<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>
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## SECTION 2

### EVIDENCE OF NEED

**What evidence is there that the qualification is needed?**

Please refer to the attached list of job roles and occupations identified in construction sector. These job roles have been derived through extensive industry interactions facilitated from 10 workshops and various site visits conducted and interaction with 500+ representatives from different construction sector organizations all over the country.

**What is the estimated uptake of this qualification and what is the basis of this estimate?**

As per survey the incremental Manpower Gap between 2008 and 2022 found out to be 459000 under Interior & Exterior Finishes Occupation

**What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?**

QPs for Job Roles of various related SSC's were studied to ensure that there is no duplicity.

**What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated?**

Standards department of CSDCI will do periodic review and monitor the industry feedbacks, Training Partners feedback on the qualification and will incorporate them appropriately at the designated revision time.

The revision of this qualification is scheduled after 2 years i.e. 23/08/2017

Please attach any documents giving further information about any of the topics above.

Give details of the document(s) here:

1. List of job roles

## SECTION 3

## SUMMARY EVIDENCE OF LEVEL

Summary of Direct Evidence:

Justify the NSQF level allocated to the QP by building upon the five descriptors of NSQF. Explain the reasons for allocating the level to the QP.

Generic NOS is/are linked to the overall authority attached to the job role.

<b>False Ceiling &amp; Dry Wall Installer QP CON/Q1107</b>					
<b>Process required</b>	<b>Professional Knowledge</b>	<b>Professional Skills</b>	<b>Core Skills</b>	<b>Responsibility</b>	<b>Level</b>

<p>Job holder performs works which requires limited range of activities which are routine in nature and requires limited sets of skill. Work includes carrying out preparatory works and levelling prior to installing false ceiling, installing flush jointed ceiling system, installing exposed grid suspended ceiling system and installing wall panels and partitions etc.</p> <p>The above activities are of a limited range and routine at construction sites</p>	<p>Job holder is expected to have knowledge about different types of false ceiling and dry wall installation tools, materials, components and equipments, their standard size, and their use along with basic maintenance.</p> <p>Job holder is expected to read and understand sketches/ routine working drawings/instructions provided for false ceiling and dry wall installation works.</p>	<p>Job holder is expected to demonstrate skills for a narrow range of application which are routine and repetitive in nature like use of hand &amp; power tools for installing flush jointed ceiling system, installing exposed grid suspended ceiling system and installing wall panels and partitions as per standard procedure as per supervisors directives</p> <p>The workman is also expected to adopt safety measures applicable to his work and surrounding such as use of personal protective equipments, fixing of barricades, fixing of fall protection etc.</p>	<p>Job holder is expected to have good reading and writing skills in at least one language. Job holder should apply basic principle of measurement, arithmetic calculation to determine the quantity of material required for flush jointed ceiling system, exposed grid suspended ceiling system, wall panels and partitions, measurement of daily work done etc.</p> <p>Job holder is also expected to read and understand sketches for facade installation works, sign boards, safety rules and shall be able to orally communicate clearly and effectively with team members in at least one language.</p>	<p>Job holder has some responsibility for own work within defined limit and always work under close supervision of trade senior for performing assigned task within time and with quality following standard working procedures and safety. The job holder needs to undergo quality checks for the assigned task by the superior</p> <p>(Refer professional skills for details of work)</p>	3
<b>Level 3</b>	<b>Level 3</b>	<b>Level 3</b>	<b>Level 3</b>	<b>Level 3</b>	

**OTHER EVIDENCE OF LEVEL** [This need only be filled in where evidence other than primary outcomes was used to allocate a level] **(Optional)**

Summary of other evidence (if used): **Not applicable.**

## SECTION 4

### EVIDENCE OF RECOGNITION OR PROGRESSION

**What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?**

Please refer to attached career path as per annexure 1 which clearly define the clear career path.

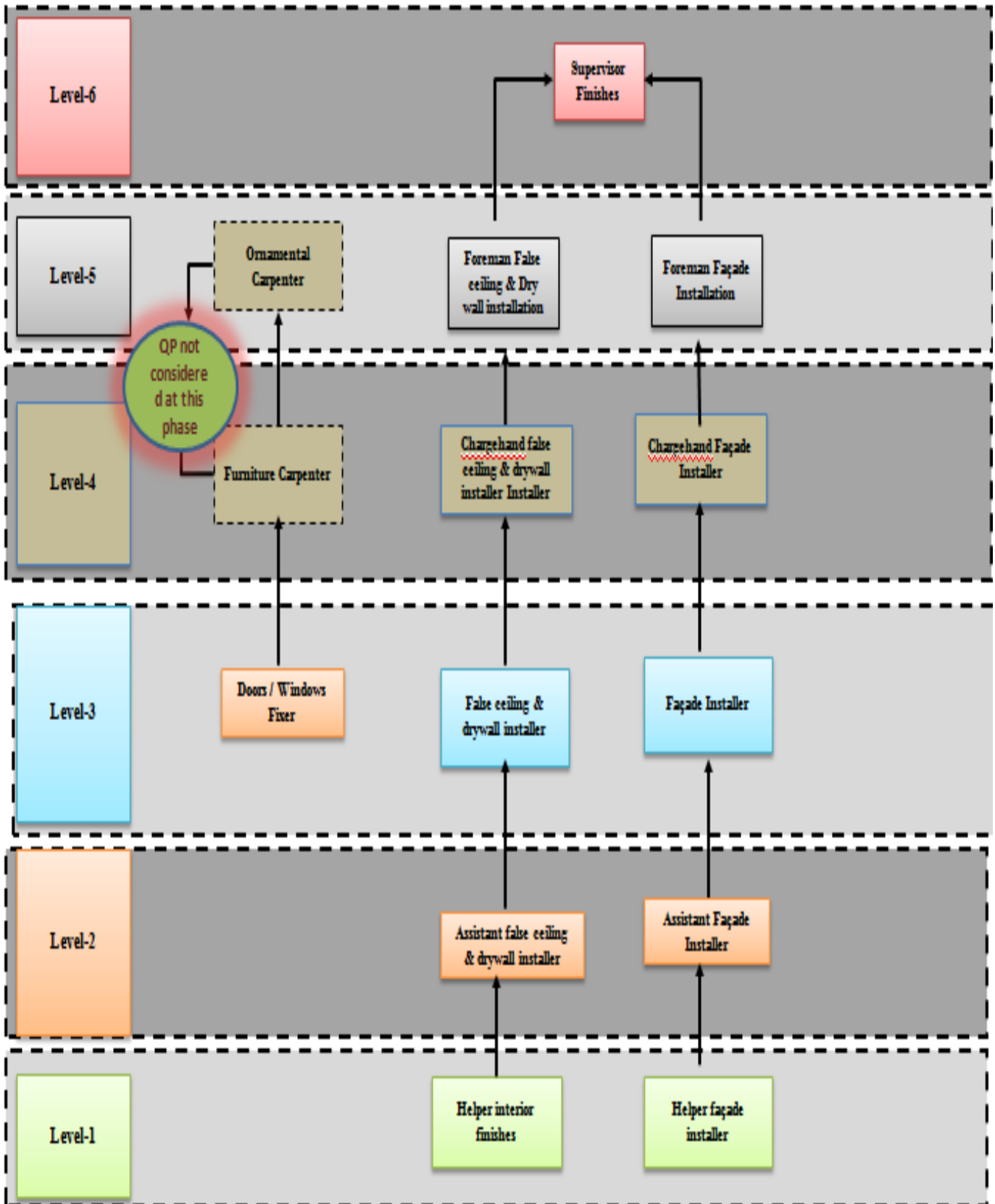
Please attach any documents giving further information about any of the topics above.

Give details of the document(s) here:

1. Annexure 1
  - Overall Career map
  - Career map of Interior & Exterior Finishes Occupation
2. QP CON/Q1107- Annexure 2

**Annexure 1**

**Career Map**



Annexure 2- QP CON/Q1107