

1. Title	Apply the knowledge of the building construction of cold storage
2. Code	EMACDE304A
3. Range	Apply the knowledge of the building construction of cold storage, at design studios or cold storage in the design, installation, commissioning, operation, repair and maintenance of cold storages.
4. Level	3
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of the building construction of cold storage</p> <ul style="list-style-type: none"> ◆ Understand the types and characteristics of cold storages ◆ Calculate the capacity of cold storages ◆ Understand the construction and knowledge of cold storage insulation and moisture prevention, including: <ul style="list-style-type: none"> • Construction of cold storage • Purpose of cold storage insulation and moisture prevention • Requirements on insulation materials of cold storage • Factors affecting the heat conductivity of insulation materials ◆ Possess the insulation and moisture prevention knowledge for the building enclosure of cold storage, including: <ul style="list-style-type: none"> • Purpose of insulation and moisture prevention for the building enclosure of cold storage • General insulation and moisture prevention measures for the building enclosure of cold storage • Typical insulation and moisture prevention materials for cold storage ◆ Understand the code of practice on the use of cold storage to preserve the quality of frozen food and enhance economic effectiveness <p>6.2 Application of knowledge of the building construction of cold storage</p> <ul style="list-style-type: none"> ◆ Apply the knowledge of the building construction of cold storage to solve problems involved in the design, installation, commissioning, operation, repair and maintenance of cold storage; communicate with the sector and clients
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to apply the knowledge of the building construction of cold storage to solve problems involved in the design, installation, commissioning, operation, repair and maintenance of cold storage; communicate with the sector and clients.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses elementary knowledge of air-conditioning and refrigeration.