

Construction & Refurbishment of Bay Class

SAR Lifeboat Marine Infrastructures

Burin, NL

R.116548.001

2022-01-17

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 REFERENCES

- .1 CSA C22.1-2021, Canadian Electrical Code, Part 1.

PART 2 - PRODUCTS

2.1 OUTLET AND CONDUIT BOXES GENERAL

- .1 Size boxes in accordance with CSA C22.1.
- .2 102 mm square or larger outlet boxes as required for special devices.
- .3 Gang boxes where wiring devices are grouped.
- .4 Blank cover plates for boxes without wiring devices.
- .5 Combination boxes with barriers where outlets for more than one system are grouped.
- .6 See details on drawings for electrical pedestal outlet box types.
- .7 All conduits and boxes in Ready Locker shall be rigid PVC.

2.2 CONDUIT BOXES

- .1 PVC or fibreglass FS and FD boxes with factory threaded hubs and mounting feet for surface wiring of receptacles. See drawings for details.

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| <u>2.3 FITTINGS GENERAL</u> | .1 | Bushing and connectors with nylon insulated throats. |
| | .2 | Knock-out fillers to prevent entry of debris. |
| | .3 | Conduit outlet bodies for conduit up to 32 mm and pull boxes for larger conduits. |
| | .4 | Double locknuts and insulated bushings on sheet metal boxes. |
| | .5 | All fittings exposed to the elements shall be liquid tight, marine grade. |

PART 3 - EXECUTION

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| <u>3.1 INSTALLATION</u> | .1 | Support boxes independently of connecting conduits. |
| | .2 | Fill boxes with paper, sponges or foam or similar approved material to prevent entry of debris during construction. Remove upon completion of work. |
| | .3 | Provide correct size of openings in boxes for conduit, and armoured cable connections. Reducing washers are not allowed. |
| | .4 | Provide approved coverplates for lighting fixture junction boxes. |