

Construction & Refurbishment of Bay Class
SAR Lifeboat Marine Infrastructures
Burin, NL
R.116548.001

2022-01-17

PART 1 GENERAL

- 1.1 REFERENCES .1 Adhere to Canadian Electrical Code -
current edition.

PART 2 PRODUCTS

2.1 SUPPORT CHANNELS

- .1 U shape, size 41 x 41 mm, 2.5 mm thick,
surface mounted, suspended or set in
poured concrete walls and ceilings as
required.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 Secure equipment to hollow or solid
masonry, tile and plaster surfaces with
lead anchors or nylon shields.
- .2 Secure equipment to poured concrete with
expandable inserts.
- .3 Support equipment, conduit or cables
using clips, spring loaded bolts, cable
clamps designed as accessories to basic
channel members.
- .4 Fasten exposed conduit or cables to
building construction or support system
using straps.
- .1 One-hole steel straps to secure
 surface conduits and cables 50 mm
 and smaller.
- .2 Two-hole steel straps for conduits
 and cables larger than 50 mm.
- .3 Strap AC-90 cable at box location
 plus every 900 mm.
- .5 Suspended support systems.
- .1 Support individual cable or conduit
 runs with 6 mm dia threaded rods
 and spring clips.

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- .2 Support 2 or more cables or conduits on channels supported by 6 mm dia threaded rod hangers where direct fastening to building construction is impractical.
- .6 For surface mounting of two or more conduits use channels at 1.5 m on centre spacing.
- .7 Provide metal brackets, frames, hangers, clamps and related types of support structures where indicated or as required to support conduit and cable runs.
- .8 Ensure adequate support for raceways and cables dropped vertically to equipment where there is no wall support.
- .9 Do not use wire lashing, wood blocking, plastic strap or perforated strap to support or secure raceways or cables.
- .10 Do not use supports or equipment installed for other trades for conduit or cable support except with permission of other trade and approval of Departmental's Representative.
- .11 Install fastenings and supports as required for each type of equipment cables and conduits, and in accordance with manufacturer's installation recommendations.

END OF SECTION