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Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

23rd May, 1938.

Dear Sir,

E. I duly received your letter of the 10th instant, forwarding plans of Electrical Equipment proposed for The Bethlehem S.B. Co's Yard No.4327.

These plans have been examined, and I have to acquaint you that they will be approved provided the following amendments, and also the remaining requirements of the Rules for Electrical, with special reference to Section 15, be complied with.

(a). Single pole switches are shown controlling centre castle lights, mast lights, etc.; Section 15 of the Rules for Electrical Equipment requires double pole switches.

(b). All outgoing circuits on distribution panels are required by the Rules to be controlled by D.P. switches in addition to D.P. fuses, and it is not clear whether D.P. switches are fitted.

(c). Wiring in pump rooms and centre castle shelter deck space to be run in gastight tubing. It is not stated on the plans whether this is the case.

(d). Ventilating fan motors are not permitted in the pump rooms, and I shall be glad if you will arrange for

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The Bethlehem S.B. Co's  
Yard No.4327.  
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plans to be submitted indicating where these units will be mounted.

(e). It is not clear whether isolating switches are provided for the fan motors.

(f). The ship's feeder cables for the shore supply appear from the plan to be run directly above the galley range, and in consequence are subject to abnormal ambient temperature variations. I have to point out that cables in the galley space will be subject to heat and steam and are therefore subject to rapid deterioration. In these circumstances a short circuit occurring in this space will be unprotected and overload protection at the shore connection terminals is considered necessary. With reference to your remarks regarding the objection to the fitting of fuses, I have to point out that there are numerous other situations on these decks where fuses are fitted, and the objection is difficult to understand. Further, the situation is well aft and away from tanks.

With regard to the question of fuses in general, I may say that no Makers of American fuses are in the approved lists, and I shall be glad to learn what types will be fitted in this instance.

(g). A plan should be submitted showing where the

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fathometer equipment (projector and receiver) will be mounted in the ship. These fittings are not permitted in pump rooms or cofferdams.

I have to add that no exception will be taken to the use of twin or multicore cables. In this connexion I have to draw your attention to the fact that the sample cable submitted is V.I.R. insulated, whereas the cables indicated on the plans are varnished cambric insulated.

I confirm my cablegram to you to-day in regard to this case, as follows:-

"BETHLEHEM 4327 PLANS APPROVED SUBJECT DOUBLE POLE SWITCHES FOR CENTRE CASTLE SPACE SHELTER DECK LIGHTING AND FLOOD LIGHTS STOP ALL OUTGOING CIRCUITS ON DISTRIBUTION PANELS TO HAVE DOUBLE POLE SWITCHES STOP WIRING IN PUMP ROOMS AND CENTRE CASTLE SHELTER DECK IN GASTIGHT TUBING STOP VENTILATING MOTORS NOT TO BE <sup>cables</sup> PLACED IN PUMP ROOMS STOP PLANS SHOW VARNISHED CAMBRIC BUT SAMPLE IS RUBBER INSULATED".

I am, Dear Sir,

Yours faithfully,

W. Bennett, Esq.,  
NEW YORK.



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Foundation

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