

213793509

Policy Letter No 42/2012
Directorate General Married
Accommodation Project (DG MAP)
Engineer-in-Chief's Branch,
Integrated HQ of MoD (Army)
Kashmir House, Rajaji Marg,
DHQ PO, New Delhi-110011

03 Dec 2012

21379/Spec Ph-III/P&S/G3 /MAP

(All PMs & DEPMCs)

SPECIFICATIONS: LUMINARIES (LF1, LF2 & LF3)

1. Refer this Headquarters letter No 21378/Vendor PH-III/P&S/03/MAP dt 29 Jun 2012.
2. Given in the succeeding sub paragraphs are the specifications for luminaries (LF1, LF2 & LF3) for the future projects of MAP Phase-II & Phase-III:-

(a) **LF-1** : Wall Mounted Type Fitting Made out of CRCA Sheet steel, pre wired upto main connections should be suitable for use with 20/15 Watt self ballast type Compact Fluorescent Lamp (CFL). (Refer sketch No LF1).

Finish:	White powder coated
Circular Base	0.80 mm thick 110 mm dia.
Circular front canopy:	0.80 mm thick 95 mm dia 65 mm deep (checknut attachment to couple the back plate and front canopy.)
Holder:	Bi-pin brass lamp holder used in the fittings should be ISI marked as per IS: 1258/1987 with Amdt No 1,2 & 3.
Glass:	Dome shaped frosted glass 160 mm dia to be fixed with 4 Nos. brass screw.

(b) **LF-2** : Wall Mounted Type Fitting made out of CRCA sheet steel of 0.07 mm thickness, pre wired upto main connection should be suitable for use with 20/15 Watt self ballast type Compact Fluorescent Lamp (CFL).(Refer sketch No LF2).

Finish:	White powder coated
Back plate:	0.70 mm thick
Dimensions:	170 mm x 70 mm
Square top:	140 mm x 140 mm
Clear Glass panels:	02 Nos in sides + 1 No. glass panel in front, to be made translucent.
Overall size:	400 mm x 145 mm.
Holder:	Bi-pin brass lamp holder used in the fittings should be ISI marked as per IS: 1258/1987 with Amdt No 1,2 & 3.

(c) **LF-3** : Ceiling Mounted Type Fitting suitable for 11 watt (3U) CFL made out of 0.70 mm thick CRCA Sheet, pre wired upto main connection should be suitable for use with 20/15 Watt self ballast type Compact Fluorescent Lamp (CFL). (Refer sketch No LF3).

Finish: White powder coated
Circular Base: Dia 240 mm & 40 mm deep.
Holder: Bi-pin brass lamp holder used in the fittings should be ISI marked as per IS: 1258/1987 with Amdt No 1,2 & 3.
Glass: Frosted glass of 200 mm dia, screwed on the Fitting.

3. In addition to the above features the following quality assurance measures will be ensured while the LF1, LF2 and LF3 light fittings are being manufactured:-

(a) All vendors who are outsourcing the fabrication of LF fittings should have a co-vendor who will exclusively manufacture luminaries for them. A copy of the MoU between the vendor and the co-vendor to be forwarded to HQ DG MAP.

(b) All raw material purchased should be done on a tax paid Invoice from a reputed company. No recyclable scrap material is permitted

(c) Quality plan will be forwarded to HQ DG MAP.

(d) The vendor and co-vendor should have a proper testing lab and the following tests to be carried out as per IS 10322 on LF1, LF2 and LF3 fittings:-

(i) **General Tests:** Test for visual examination and marking, Test for construction, Test for terminals, Mechanical Strength Test and Test for External and Internal wiring.

(ii) **Safety Tests:** Test for protection against electric shock, Test for provision for earthing, Test for resistance to heat fire and tracking.

(iii) **Performance Tests:** Endurance and thermal testing and Test for 100% burning at rated voltage.

(iv) **Environmental Tests:** Test for resistance to rust/corrosion.

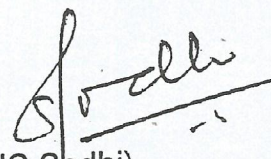
(v) **Packaging test:** Drop test.

(e) The calibration certificate of the instruments used in manufacturing and testing of the Luminaries will be forwarded to HQ DG MAP.

(f) All Luminaries will be stamped with the vendors name. No stickers are permitted. The name so printed should satisfy the Rubbing Test as given in IS 10322.

(g) Each LF1, LF2 and LF3 should also have a sticker bearing the Product Name, Product Code, Lot Number, manufacturing date and name of the production unit.

(h) All components of the LF fittings like holders and wires to be ISI marked.



(JS Sodhi)
Lt Col
SO 1 (P&S)
for DG MAP

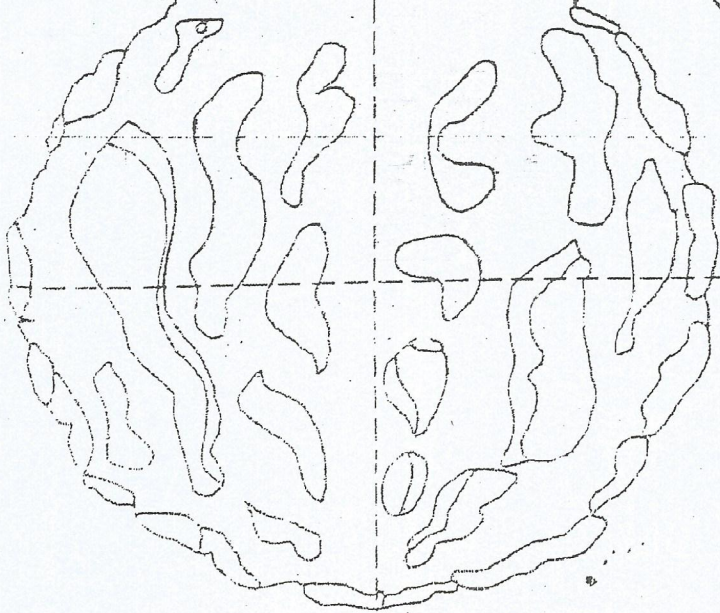
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Internal

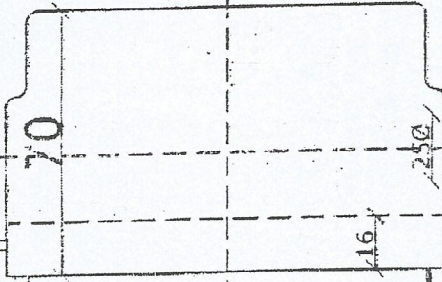
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- Team 'B' - -do-
- Contract Section Team 'A' - -do-
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1600

FROSTED GLASS C/L

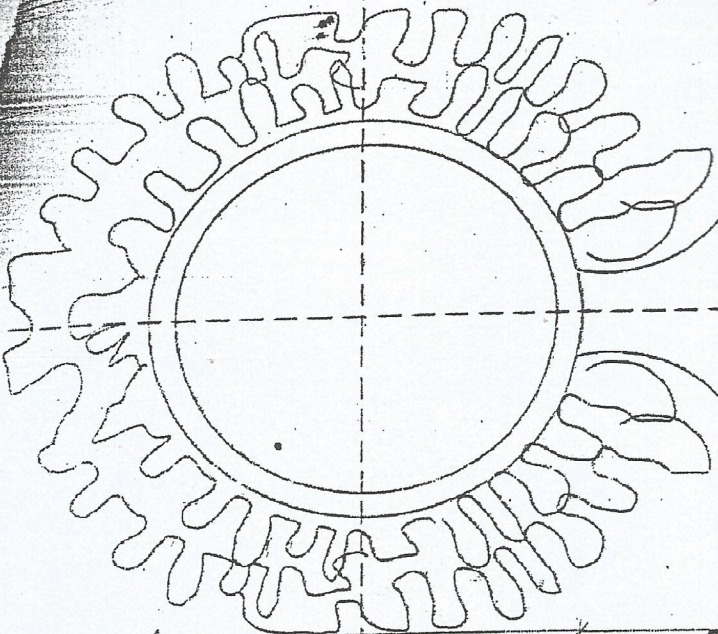


BRASS SCREW DULY NICKEL PLATED

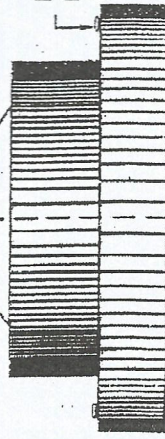


CRCA SHEET NOT LESS THAN 0.80 MM THICK DULY POWDER COATED

1100



BRASS SCREW DULY NICKEL PLATED



800

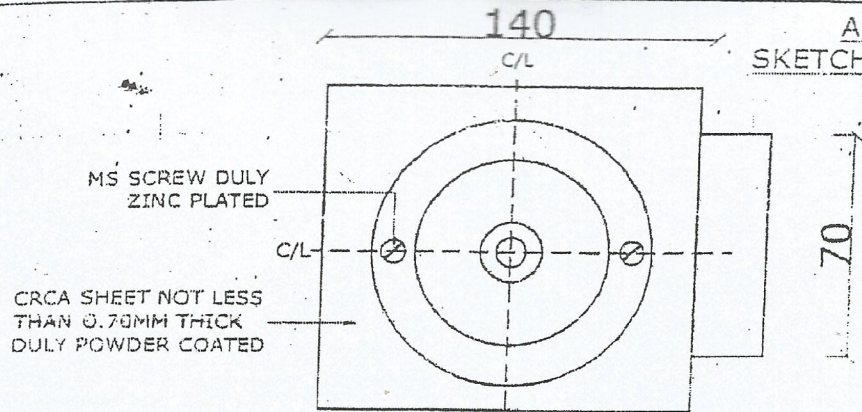
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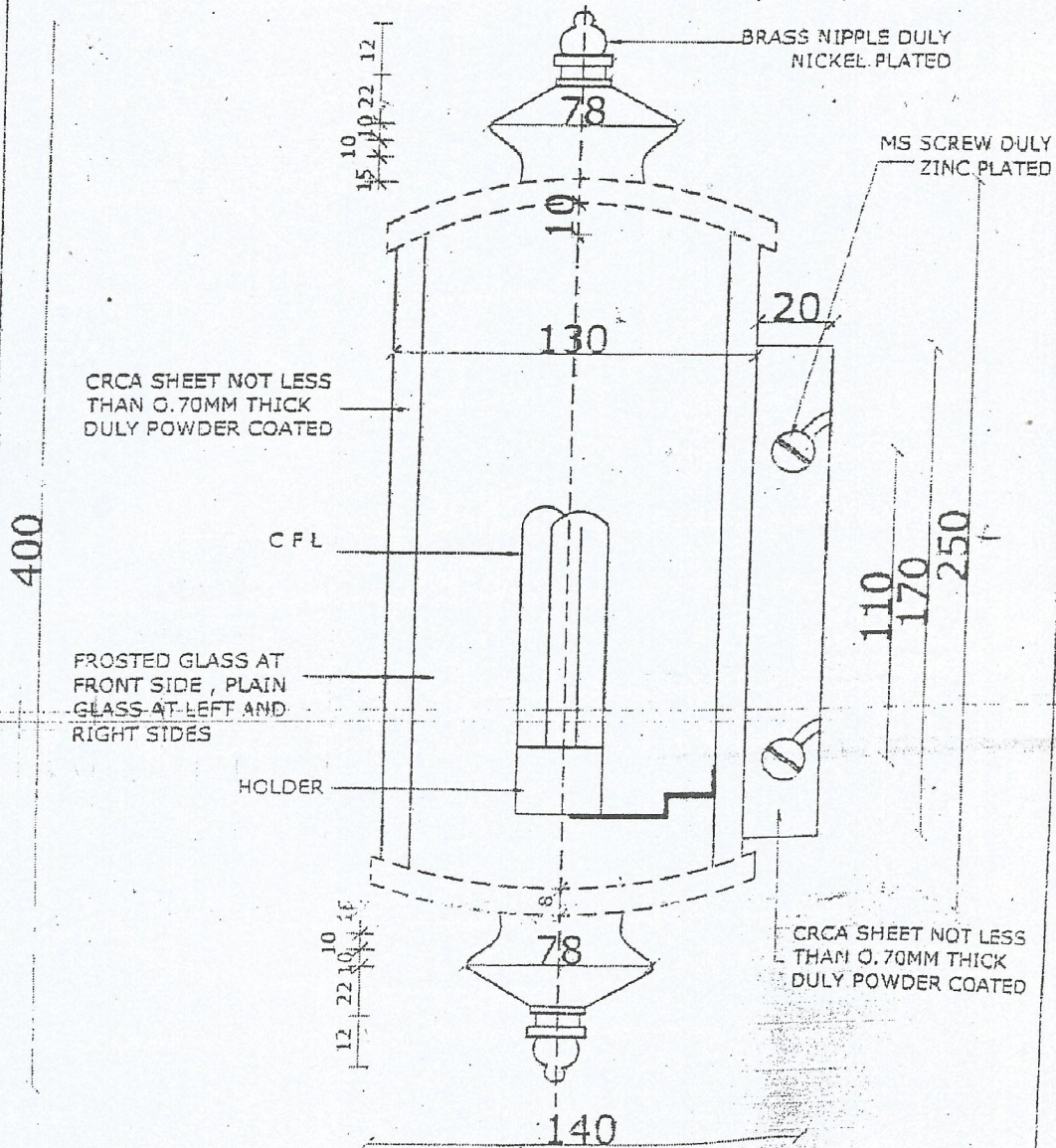
WALL MOUNTED FITTING SUITABLE FOR 20 WATT CFL (SELF BALLASTED TYPE)

(ALL DIMENSIONS ARE IN MILLIMETRES AND ARE NOMINAL)

APPX'B'
SKETCH NO - LF2

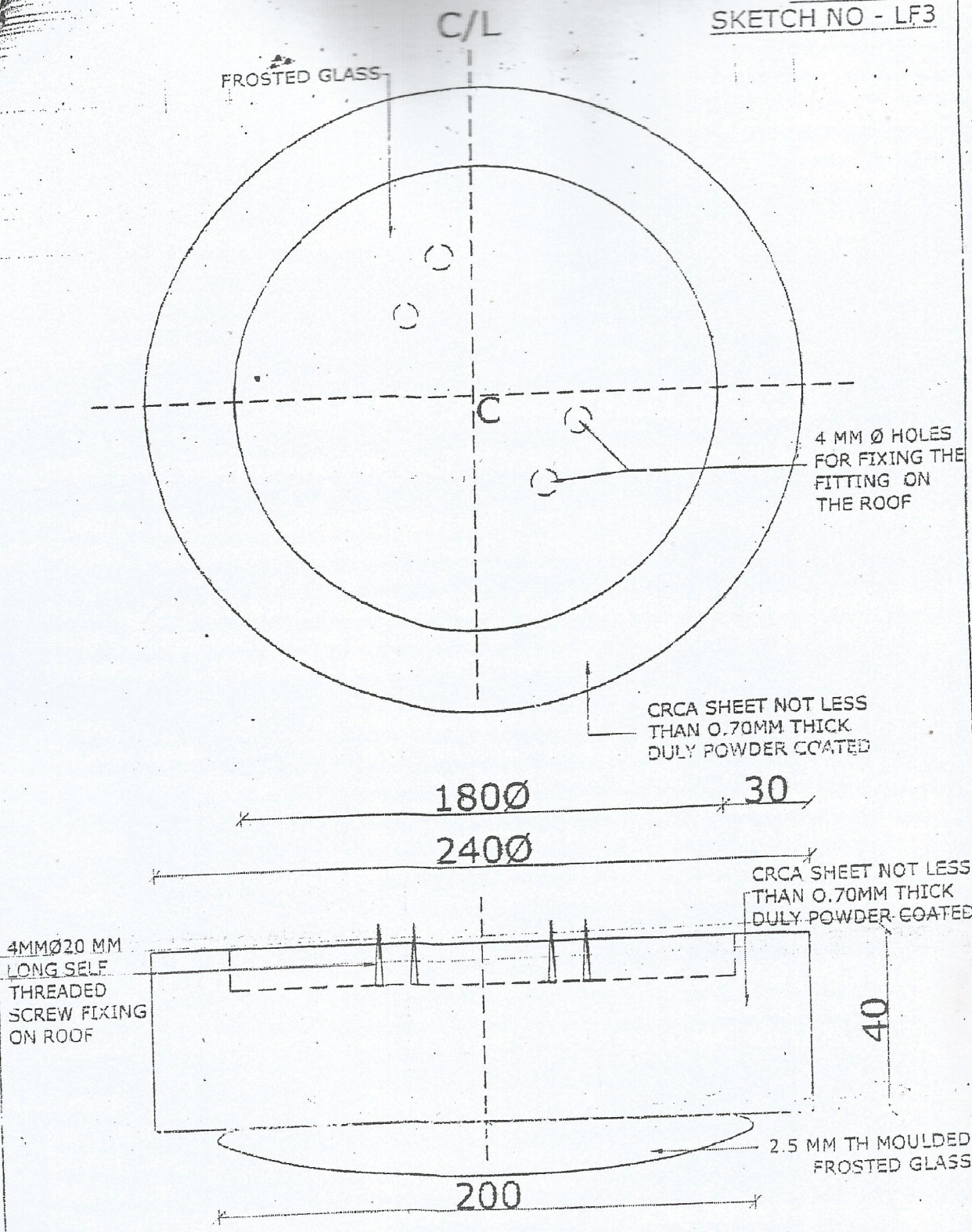


PLAN OF BOTTOM PLATE



WALL MOUNTED TYPE FITTING SUITABLE FOR 20 WATT CFL (SELF BALLASTED TYPE)

(ALL DIMENSIONS ARE IN MILLIMETRES AND ARE NOMINAL)



**CEILING MOUNTED FITTING
SUITABLE FOR 11 WATT CFL
(SELF BALLASTED TYPE)**

(ALL DIMENSIONS ARE IN MILLIMETRES AND ARE NOMINAL)