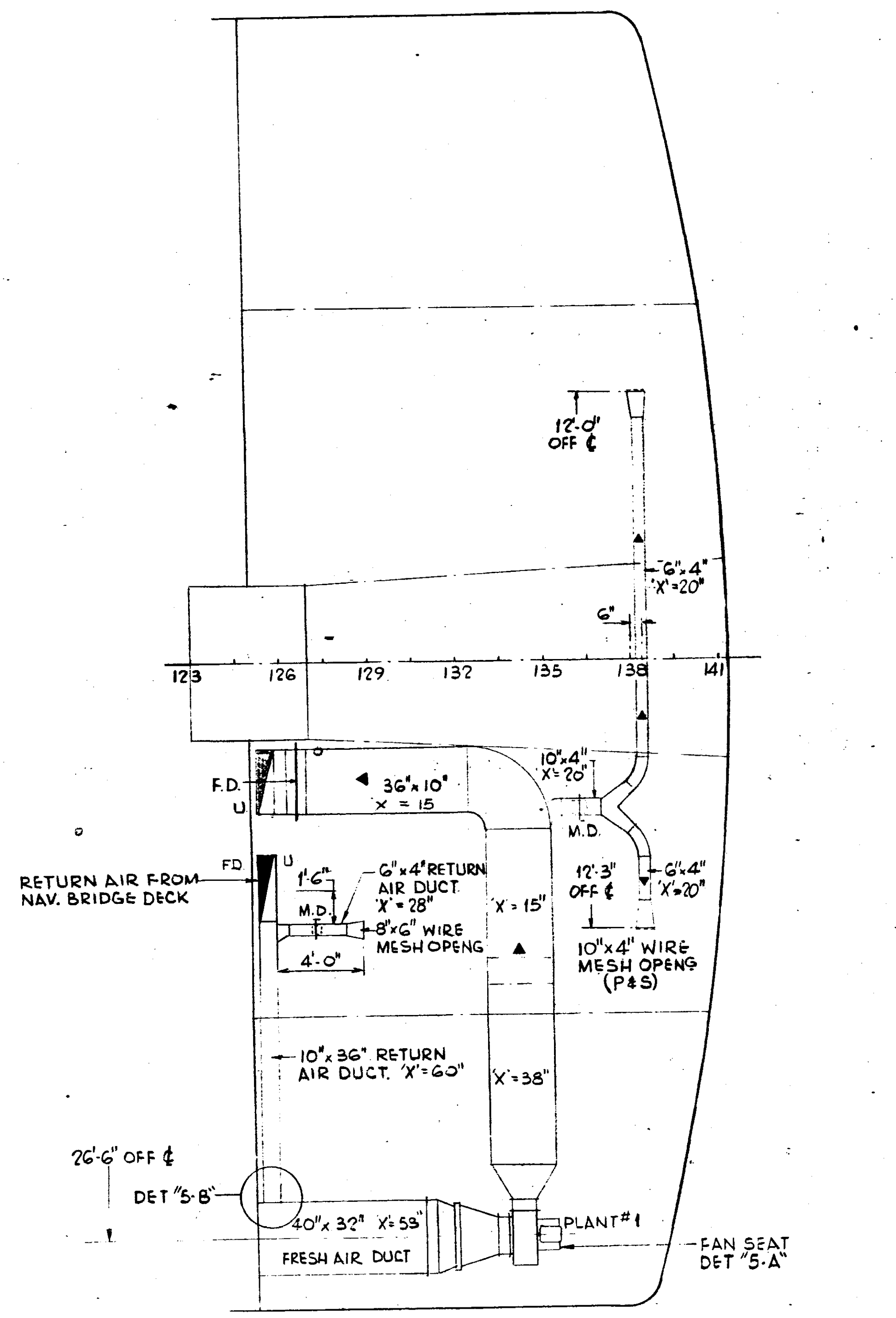
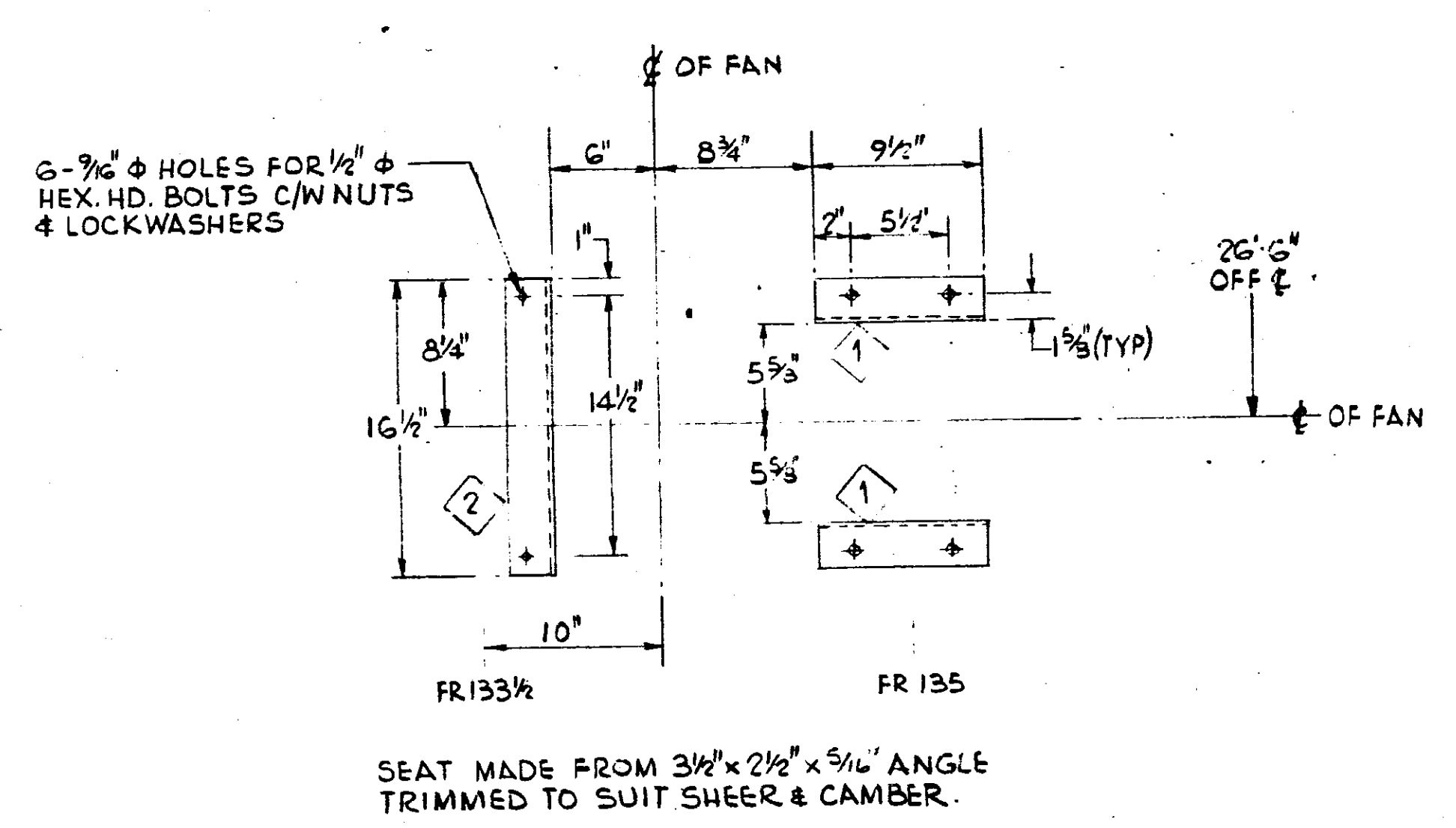
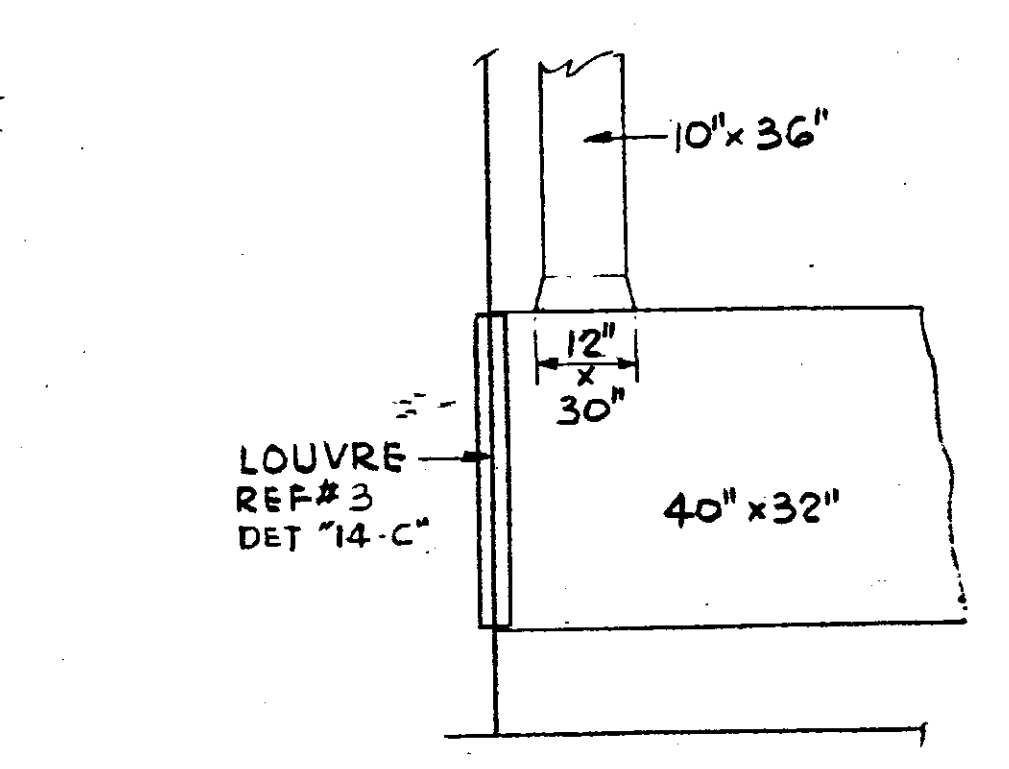


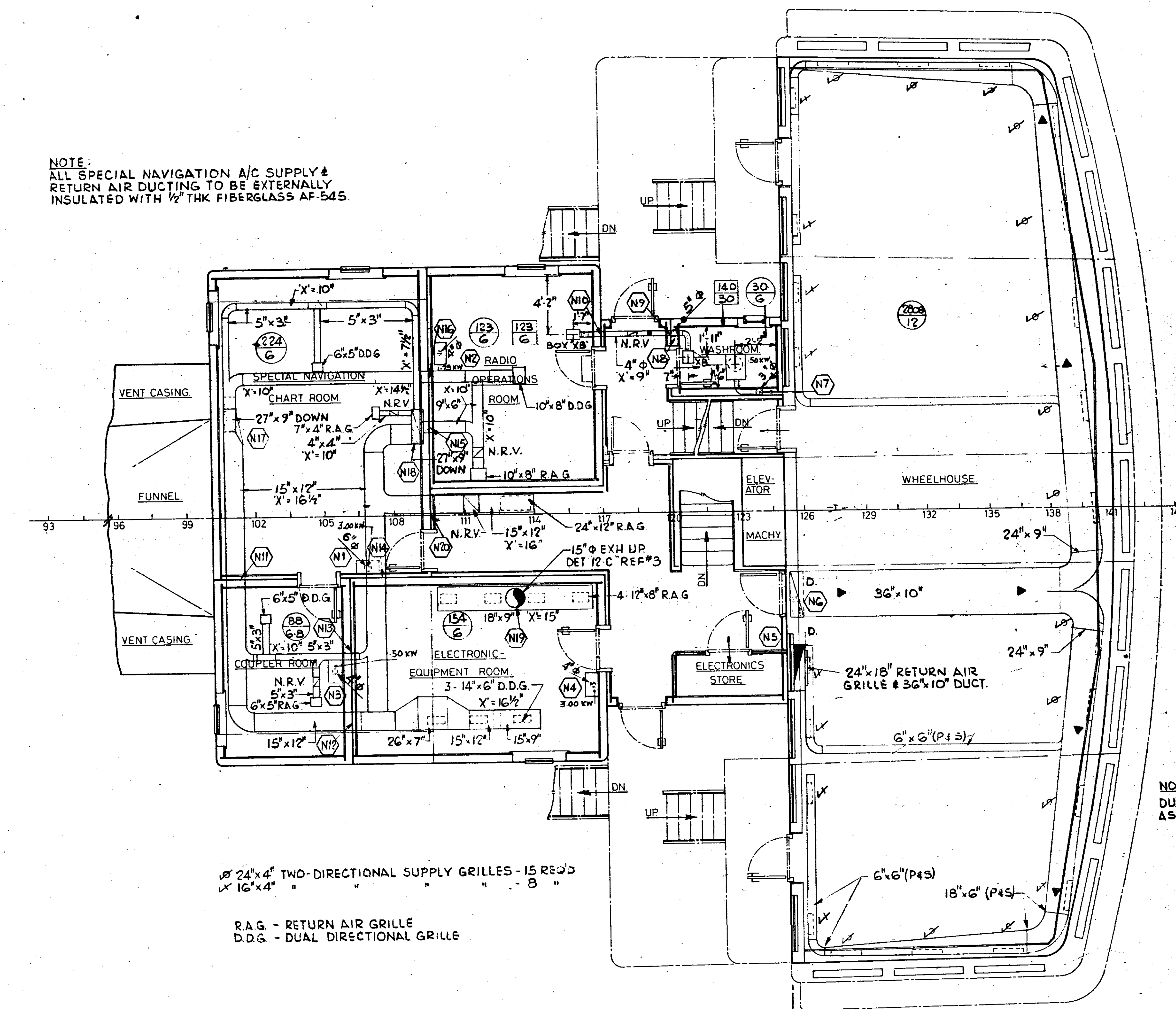
NOTES:
1. FOR GENERAL NOTES & KEY TO SYMBOLS, SEE REF #1.
2. COMING DETAILS REFERRED TO IN PENETRATION LIST SEE REF #3.

KEY TO SYMBOLS

- ROUND DUCT UP THROUGH DECK.
- ROUND DUCT DOWN THROUGH DECK.
- ROUND DUCT UP & DOWN THROUGH DECKS.
- RECTANGULAR OR SQUARE DUCT UP THROUGH DECKS.
- RECTANGULAR OR SQUARE DUCT DOWN THROUGH DECKS.
- RECTANGULAR OR SQUARE DUCT UP & DOWN THROUGH DECKS.
- SUPPLY DUCTING, PRE-INSULATED.
- EXHAUST DUCTING.
- NON-RETURN VALVE.
- FIRE DAMPER.
- MANUAL DAMPER.
- FLEXIBLE HOSE CONNECTION.
- SUPPLY AIR C.F.M.
- MIN AIR CHANGES PER HOUR.
- EXHAUST AIR C.F.M.
- MIN AIR CHANGES PER HOUR.
- AIR FLOW THROUGH DOOR GRILLE.



NAV. BRIDGE DECK UNDER W/HOUSE FLOOR



NAVIGATING BRIDGE DECK & WHEELHOUSE FLOOR

| PENETRATION LIST | | | | | |
|------------------|-----------|---------------------------|-----------|----------------------|---------|
| NO. | SIZE | CENTRE OF HOLE DIMENSIONS | STRUCTURE | COMING | REMARKS |
| 1 | 7" x 7" | 3'-2" (S) | FR 110 | NAV. BRIDGE DECK | YES |
| 2 | 5" x 5" | 10'-6" (P) | FR 110 | NAV. BRIDGE DECK | YES |
| 3 | 5" x 5" | 10'-0" (S) | FR 110 | NAV. BRIDGE DECK | YES |
| 4 | 11" x 11" | 9'-0" (S) | FR 110 | NAV. BRIDGE DECK | YES |
| 5 | 36" x 10" | 9'-0" (S) | FR 110 | WHEELHOUSE FLOOR | YES |
| 6 | 5" x 5" | 5'-6" (S) | FR 110 | NAV. BRIDGE DECK | YES |
| 7 | 4" x 4" | 7'-9" (P) | FR 110 | NAV. BRIDGE DECK | YES |
| 8 | 5" x 5" | 11'-0" (P) | FR 110 | NAV. BRIDGE DECK | YES |
| 9 | 4" x 4" | 11'-9" (P) | FR 110 | NAV. BRIDGE DECK | YES |
| 10 | 5" x 5" | 7'-0" (S) | FR 110 | NAV. BRIDGE DECK | YES |
| 11 | 15" x 12" | 4'-0" (S) | FR 110 | DOUPLER ROOM BHD | YES |
| 12 | 15" x 12" | 13'-2" (S) | FR 110 | DOUPLER ROOM BHD | YES |
| 13 | 5" x 5" | 9'-0" (S) | FR 110 | NAV. BRIDGE DECK | YES |
| 14 | 15" x 12" | 4'-0" (S) | FR 110 | ELEC. EQPT. ROOM BHD | YES |
| 15 | 5" x 5" | 6'-0" (P) | FR 110 | OPS ROOM BHD | YES |
| 16 | 5" x 5" | 6'-0" (P) | FR 110 | OPS ROOM BHD | YES |
| 17 | 27" x 9" | 6'-9" (P) | FR 110 | NAV. BRIDGE DECK | YES |
| 18 | 5" x 5" | 5'-7" (P) | FR 110 | NAV. BRIDGE DECK | YES |
| 19 | 15" x 12" | 5'-3" (S) | FR 110 | NAV. BR. DECK TOP | YES |
| 20 | 15" x 12" | 9'-0" (P) | FR 110 | OPS ROOM BHD | YES |

"AS FITTED"
MECHANICAL VENTILATION
NAVIGATING BRIDGE DECK
& WHEELHOUSE FLOOR
SCALE: 1/4" = 1'-0"
DATE: SEPTEMBER 1962
HULL 68
"R" CLASS ICEBREAKER
C.C.G.S. "DES GROSEILLIERS"

