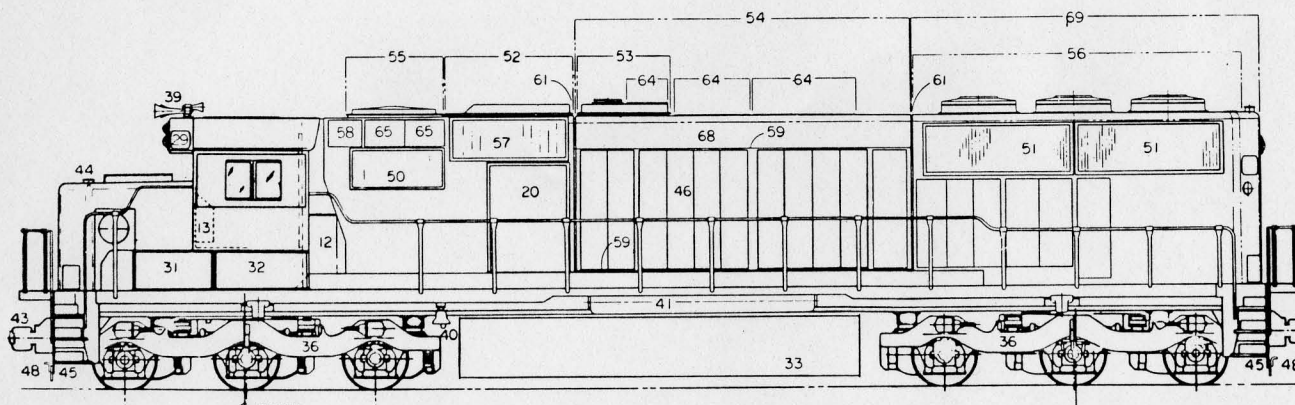
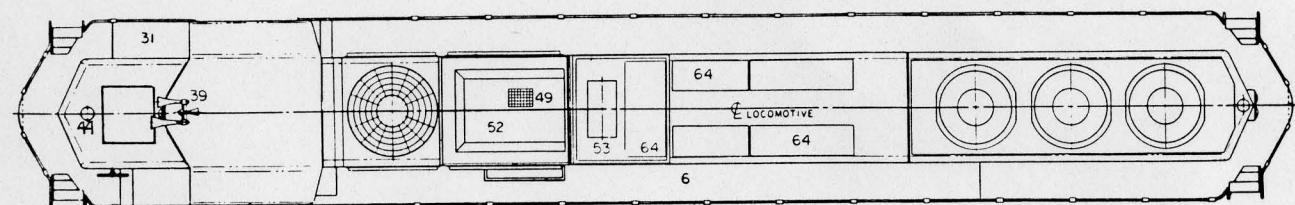
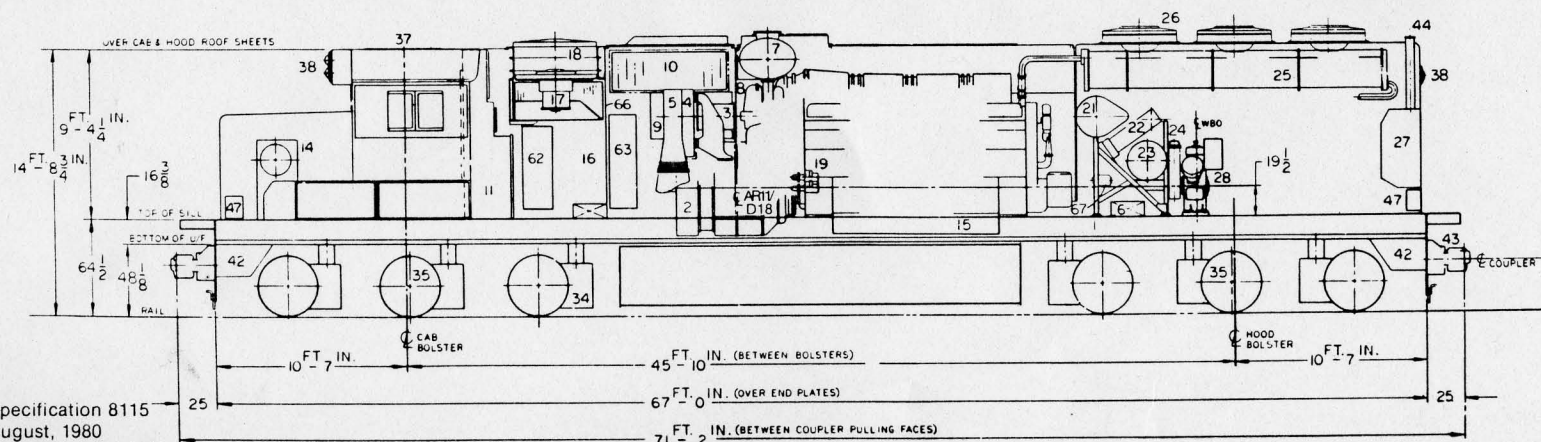


MODEL SD50 - 3600 HP SIX MOTOR DIESEL-ELECTRIC LOCOMOTIVE



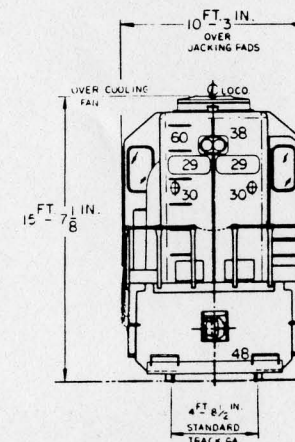
NOTE:
LOCOMOTIVE HEIGHT TOLERANCE = $\pm 2\frac{1}{2}$ IN. - $\frac{1}{2}$ IN.
LOCOMOTIVE WIDTH TOLERANCE = $\frac{1}{2}$ IN.
TRUCK LATERAL (BOLSTERS + JOURNALS W/NEW TRUCKS) = $\pm 2\frac{1}{4}$ IN. (NOM)
LOCOMOTIVE IS SHOWN INCLUDING HALF VARIABLE SUPPLIES AND IN NEW
CONDITION STANDING STILL ON LEVEL AND TANGENT TRACK.



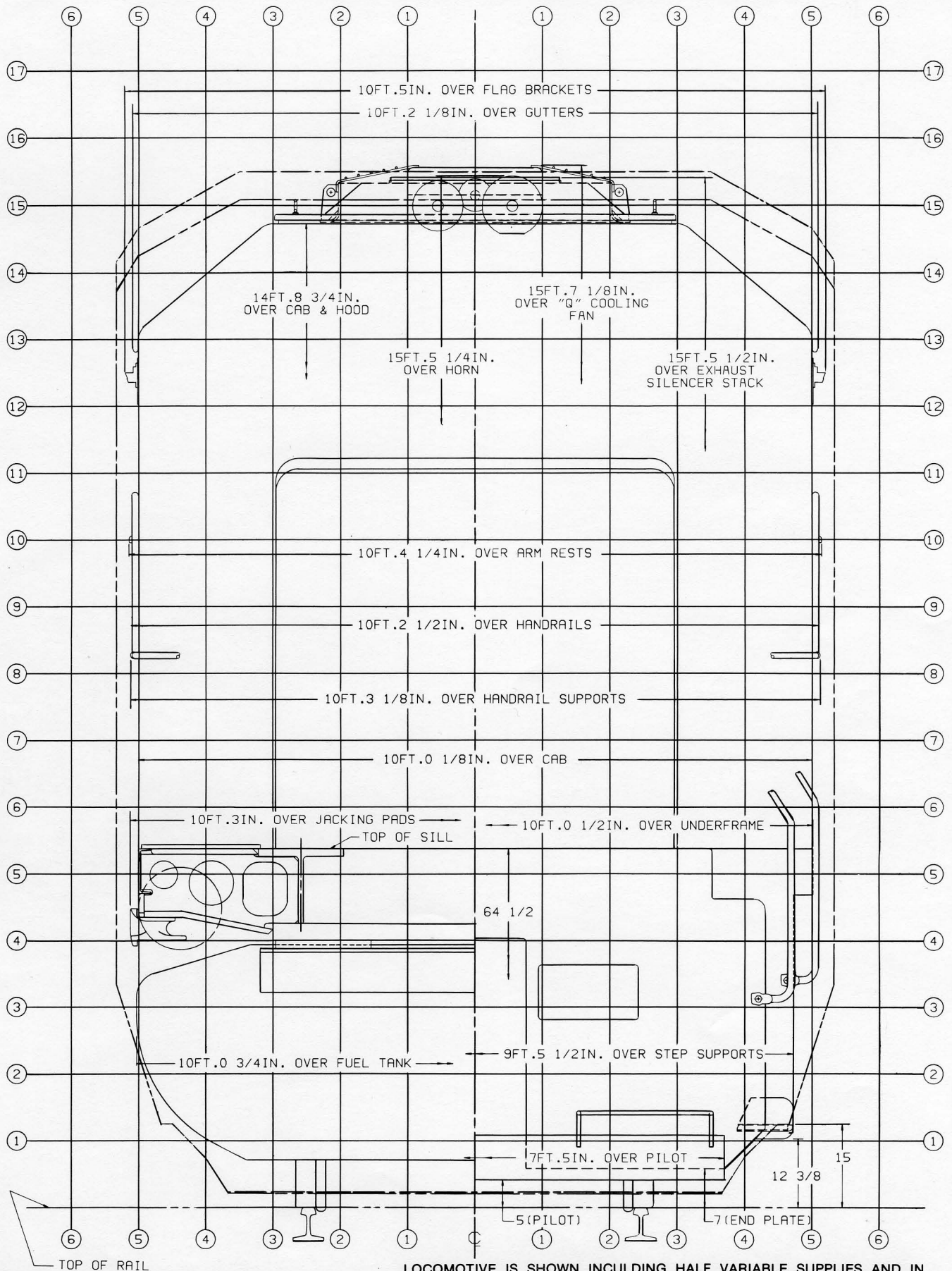
LEGEND

- | | |
|---|--|
| 1. ENGINE 16-645F3B
(3800/3600 HP @ 950 RPM) | 35. WHEELS (40 IN. SHOWN) |
| 2. GENERATOR/ALTERNATOR
(AR11/D18) | 36. TRUCK (3 MOTOR/3 AXLE -
HTC TYPE) |
| 3. AUXILIARY GENERATOR
(18KW-AC) | *37. PROVISION FOR AIR
CONDITIONING |
| 4. GENERATOR/ALTERNATOR
BLOWER | 38. HEADLIGHT |
| 5. TRACTION MOTOR BLOWER | 39. HORN |
| 6. TRACTION MOTOR BLOWER
AIR DUCT | 40. BELL |
| 7. ENGINE EXHAUST SILENCER | 41. MAIN AIR RESERVOIRS |
| 8. ENGINE ROOM PARTITION | 42. DRAFT GEAR (NC391) |
| 9. ENGINE AIR FILTERS
(45 IN. PAPER - 12 TOTAL) | 43. COUPLER (E-TYPE) |
| 10. INERTIAL FILTERS (2-14 CELL
UNITS - LIFT-OUT TYPE) | 44. SAND FILLER |
| 11. ELECTRICAL CONTROL
CABINET | 45. SIDE FOOTBOARDS |
| 12. ELECTRICAL CONTROL
CABINET AIR FILTER | 46. ENGINE ACCESS DOORS |
| 13. CAB HEATER (ELECTRIC) | 47. SAND TRAP ACCESS |
| 14. HANDBRAKE (WHEEL TYPE) | 48. PILOT W/HOSE STORAGE
RACK |
| *15. INCREASED CAPACITY OIL
PAN | 49. DUST BIN BLOWER
DISCHARGE |
| 16. LOCOTROL COMPARTMENT | *50. DYNAMIC BRAKE AIR INLET |
| *17. DYNAMIC BRAKE FAN
(54 IN. DIA.) | 51. COOLING AIR INLET
W/SHUTTERS |
| *18. DYNAMIC BRAKE GRIDS | 52. REMOVABLE FILTER &
GENERATOR HATCH |
| 19. STARTING MOTORS (SERIES) | 53. REMOVABLE SILENCER &
TURBO HATCH |
| 20. TRACTION MOTOR BLOWER
BUMP | 54. REMOVABLE HOOD CENTER
SECTION |
| 21. ENGINE WATER TANK | *55. REMOVABLE DYNAMIC
BRAKE HATCH |
| 22. LUBE OIL COOLER (6 IN.) | 56. REMOVABLE FAN HATCH |
| 23. LUBE OIL FILTER (7 ELEMENT) | 57. INERTIAL FILTER AIR INLET |
| 24. 30 IN. PRIMARY FUEL FILTER | *58. ACCESS TO "D" CONTACTORS
(BOTH SIDES) |
| 25. RADIATORS (6 IN./6 ROW -
3 1/2 CORES/BANK - 7 TOTAL) | 59. BOLTED JOINT |
| 26. COOLING FANS (48 IN. -
"Q" TYPE - 3 TOTAL) | 60. ROOF ACCESS |
| 27. SANDBOX (28 CU. FT. -
EACH END) | 61. SLIP JOINT (FULL LENGTH) |
| 28. AIR COMPRESSOR
(WBO SHOWN) | 62. ACCESS TO LOCOTROL
COMPARTMENT |
| 29. NUMBER BOXES (OUTSIDE
ACCESS) | 63. FILTERED AIR COMPARTMENT
ACCESS |
| 30. CLASS LIGHTS | 64. CYLINDER LINER REMOVAL
DOORS (HINGED) |
| 31. BATTERY BOX | *65. DYNAMIC BRAKE ACCESS |
| 32. AIR BRAKE EQUIPMENT | 66. LOCOTROL COMPARTMENT
PARTITION |
| *33. FUEL TANK (4400 GA. SHOWN
- MAXIMUM) | 67. FUEL PUMP |
| 34. TRACTION MOTORS (D87 -
6 TOTAL) | 68. REMOVABLE CENTER HATCH
(ENGINE MANIFOLD ACCESS) |
| | 69. PERMANENT HOOD SECTION |

*Modification



SD50 CLEARANCE DIAGRAM



NOTE:

LOCOMOTIVE HEIGHT TOLERANCE = $+2\frac{1}{2} - 1\frac{1}{2}$
 LOCOMOTIVE WIDTH TOLERANCE = $\pm\frac{1}{2}$
 LATERAL (BOL. + JRLS. WITH NEW TRUCKS) = $\pm 2\frac{1}{4}$

CLEARANCE OUTLINE:

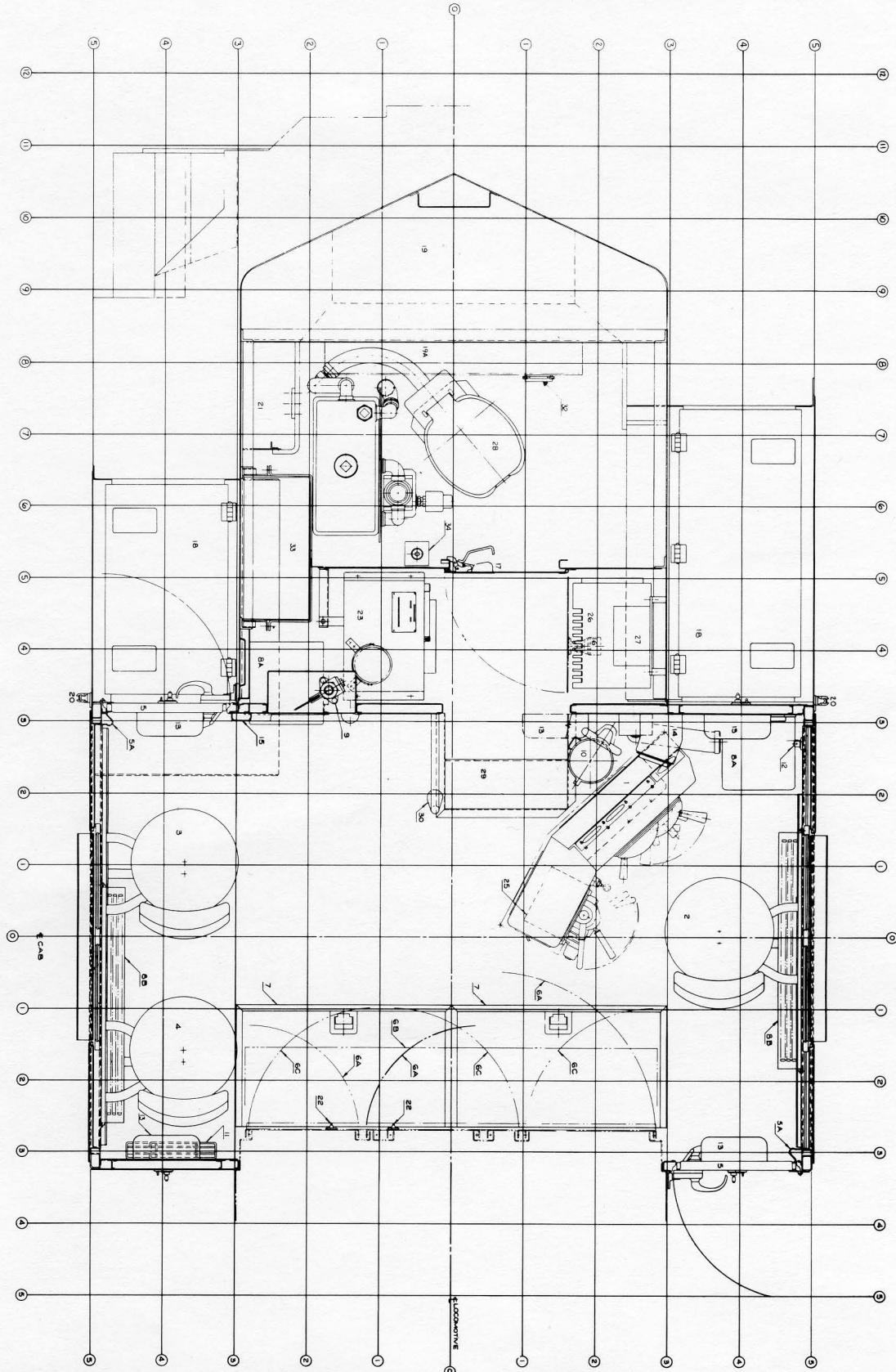
A.A.R. PLATE "B" DATED MARCH 1, 1972
 A.A.R. PLATE "C" DATED MARCH 1, 1968

Specification 8115
 August 1980

LOCOMOTIVE IS SHOWN INCLUDING HALF VARIABLE SUPPLIES AND IN NEW CONDITION. STANDING STILL ON LEVEL AND TANGENT TRACK. VERTICAL DIMENSIONS WILL BE $\frac{1}{2}$ IN. LESS WITH FULL WHEEL WEAR. VERTICAL DIMENSIONS CAN ALSO VARY $\pm\frac{1}{4}$ DUE TO VARIABLE SUPPLIES.

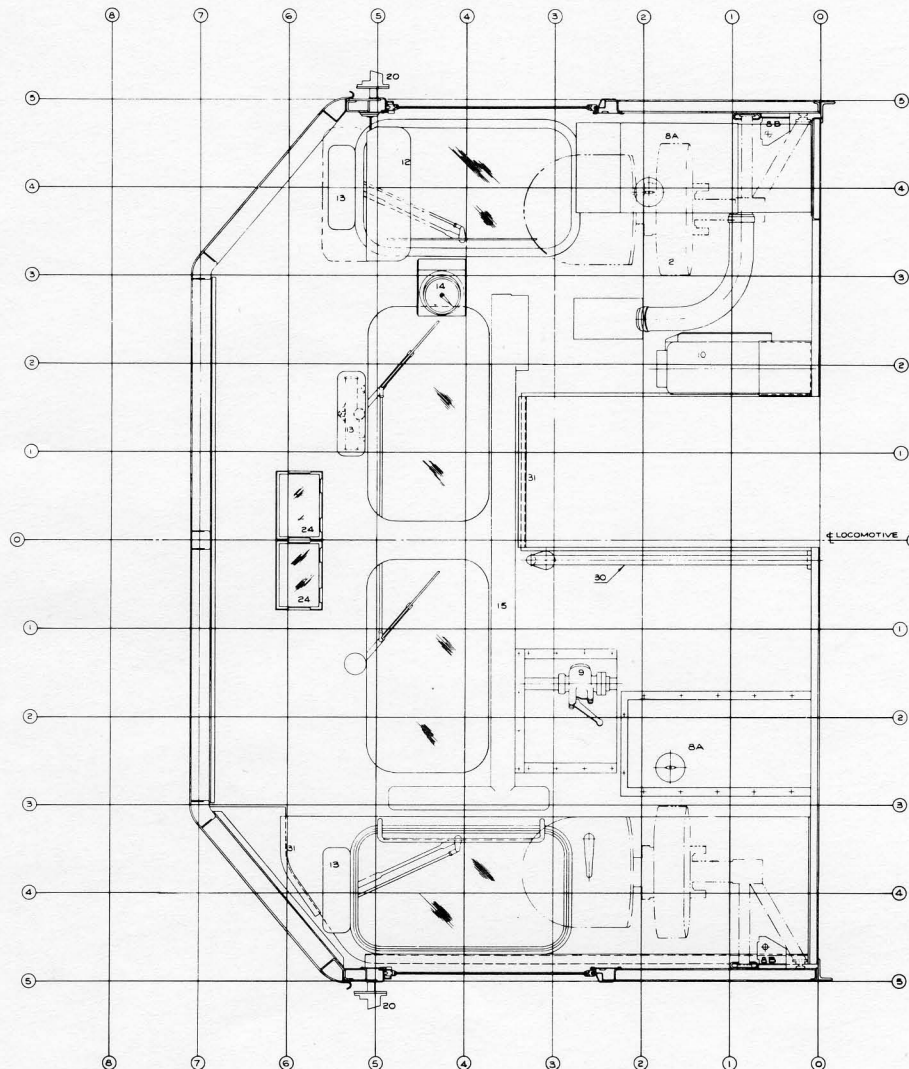


CAB AND SHORT HOOD ARRANGEMENT



- | | | | |
|---|----------------------------------|--------------------------------|------------------------------|
| 1. Engineer's Control Stand - AAR | 7. Trap Doors (2) | 16. Door Stop | * 26. Transmitter & Receiver |
| 2. Engineer's Seat with Seat Locking Modification | 8. Cab Heaters - Electric (4) | 17. Short Hood Door | * 27. Radio Voltage Filter |
| * 3. Auxiliary Seat | 8A. Front Partition (2) | 18. Battery Box | * 28. Toilet |
| 4. Observer's Seat | 8B. Side Strip Heater (2) | 19. Sand Box | 29. Step Down to Short Hood |
| 5. Cab Door (2) | 9. Emergency Brake Valve & Guard | * 19A. Extra Capacity Sand Box | 30. Grab Iron |
| 5A. Door Hinge Boot (2) | * 10. Fire Extinguisher - 30 Lb. | 20. Lamp Bracket (2) | 31. Headbump Pad |
| 6. Electrical Cabinet | 11. Flag & Fuse Rack | 21. Hand Brake Recess | * 32. Toilet Paper Holder |
| 6A. Upper Doors | 12. Sun Visor | 22. Coat Hook (2) | * 33. Water Tank |
| 6B. Middle Door | 13. Window Wiper & Guard (6) | * 23. Water Cooler | 34. Floor Drain |
| 6C. Lower Doors | 14. Speed Recorder | 24. Card Holder | |
| | 15. Defroster Duct | * 25. Radio | |

CAB ARRANGEMENT — FORWARD CAB WALL



- | | | | |
|--|----------------------------------|-------------------------------|-----------------------------|
| 1. Engineer's Control Stand - AAR | 7. Trap Doors (2) | 16. Door Stop | *26. Transmitter & Receiver |
| 2. Engineer's Seat with
Seat Locking Modification | 8. Cab Heaters - Electric (4) | 17. Short Hood Door | *27. Radio Voltage Filter |
| *3. Auxiliary Seat | 8A. Front Partition (2) | 18. Battery Box | *28. Toilet |
| 4. Observer's Seat | 8B. Side Strip Heater (2) | 19. Sand Box | 29. Step Down to Short Hood |
| 5. Cab Door (2) | 9. Emergency Brake Valve & Guard | *19A. Extra Capacity Sand Box | 30. Grab Iron |
| 5A. Door Hinge Boot (2) | *10. Fire Extinguisher - 30 Lb. | 20. Lamp Bracket (2) | 31. Headbump Pad |
| 6. Electrical Cabinet | 11. Flag & Fusee Rack | 21. Hand Brake Recess | *32. Toilet Paper Holder |
| 6A. Upper Doors | 12. Sun Visor | 22. Coat Hook (2) | *33. Water Tank |
| 6B. Middle Door | 13. Window Wiper & Guard (6) | *23. Water Cooler | 34. Floor Drain |
| 6C. Lower Doors | 14. Speed Recorder | 24. Card Holder | |
| | 15. Defroster Duct | *25. Radio | |

