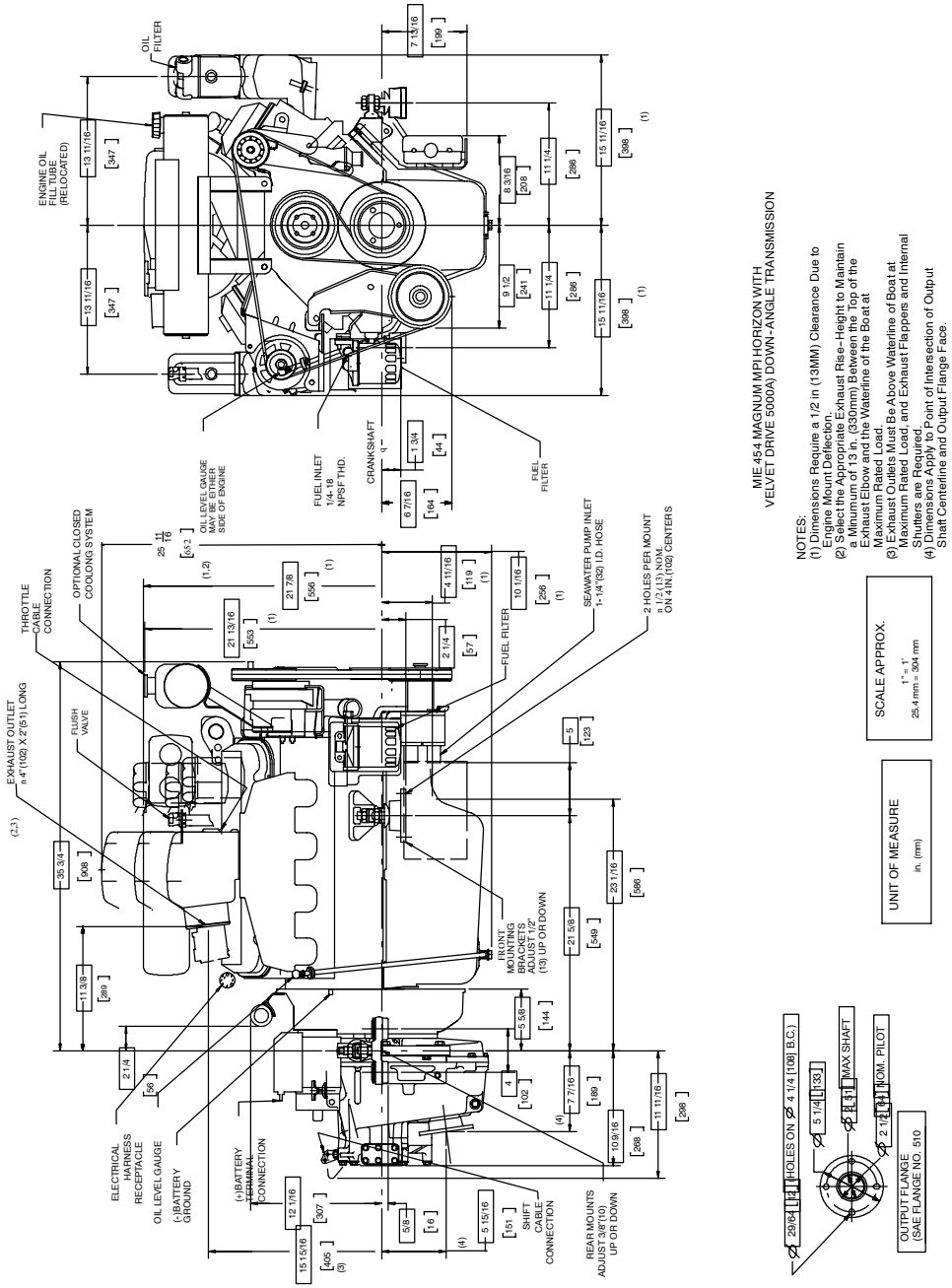
MIE 454 MAGNUM MPI HORIZON WITH
VELVET DRIVE 5000A) DOWN-ANGLE TRANSMISSION
NOTES:
(1) Dimensions Require a 1/2 in (13MM) Clearance Due to Engine Mount Deflection.
(2) Select the Appropriate Exhaust Rise–Height to Maintain a Minimum of 11 in (330mm) Between the Top of the Exhaust Elbow and the Waterline of the Boat at Maximum Rated Load
(3) Exhaust Outlets Must Be Above Waterline of Boat at Maximum Rated Load, and Exhaust Flappers and Internal Shutters are Required.
(4) Dimensions Apply to Point of Intersection of Output Shaft Centerline and Output Flange Face.
SCALE APPROX.
1" = 1'
25.4 mm = 304 mm
UNIT OF MEASURE
in. (mm)
OUTPUT FLANGE
(SAE FLANGE NO. 510
29/64 [12] HOLES ON Ø 4 1/4 [108] B.C.
5 1/4 [133]
8.31 MAX SHAFT
2 1/2 [64] NOM. PILOT
OIL FILTER
ENGINE OIL FILL TUBE (RELOCATED)
CRANKSHAFT
FUEL INLET 1-1/4" NPSI F THD.
FUEL FILTER
OIL LEVEL GAUGE MAY BE EITHER SIDE OF ENGINE
OPTIONAL CLOSED COOLONG SYSTEM
THROTTLE CABLE CONNECTION
EXHAUST OUTLET n 4" (102) X 2" (51) LONG
FLUSH VALVE
FUEL FILTER
SEAWATER PUMP INLET 1- 1/4" (32) I.D. HOSE
2 HOLES PER MOUNT 2 1/2 (13) NOM. ON 4 IN (102) CENTERS
ELECTRICAL HARNESS RECEPTACLE
OIL LEVEL GAUGE
(-)BATTERY GROUND
(+)BATTERY TERMINAL CONNECTION
SHIFT CABLE CONNECTION
FRONT MOUNTING BRACKETS ADJUST 1/2" (13) UP OR DOWN
REAR MOUNTS ADJUST 3/8" (10) UP OR DOWN