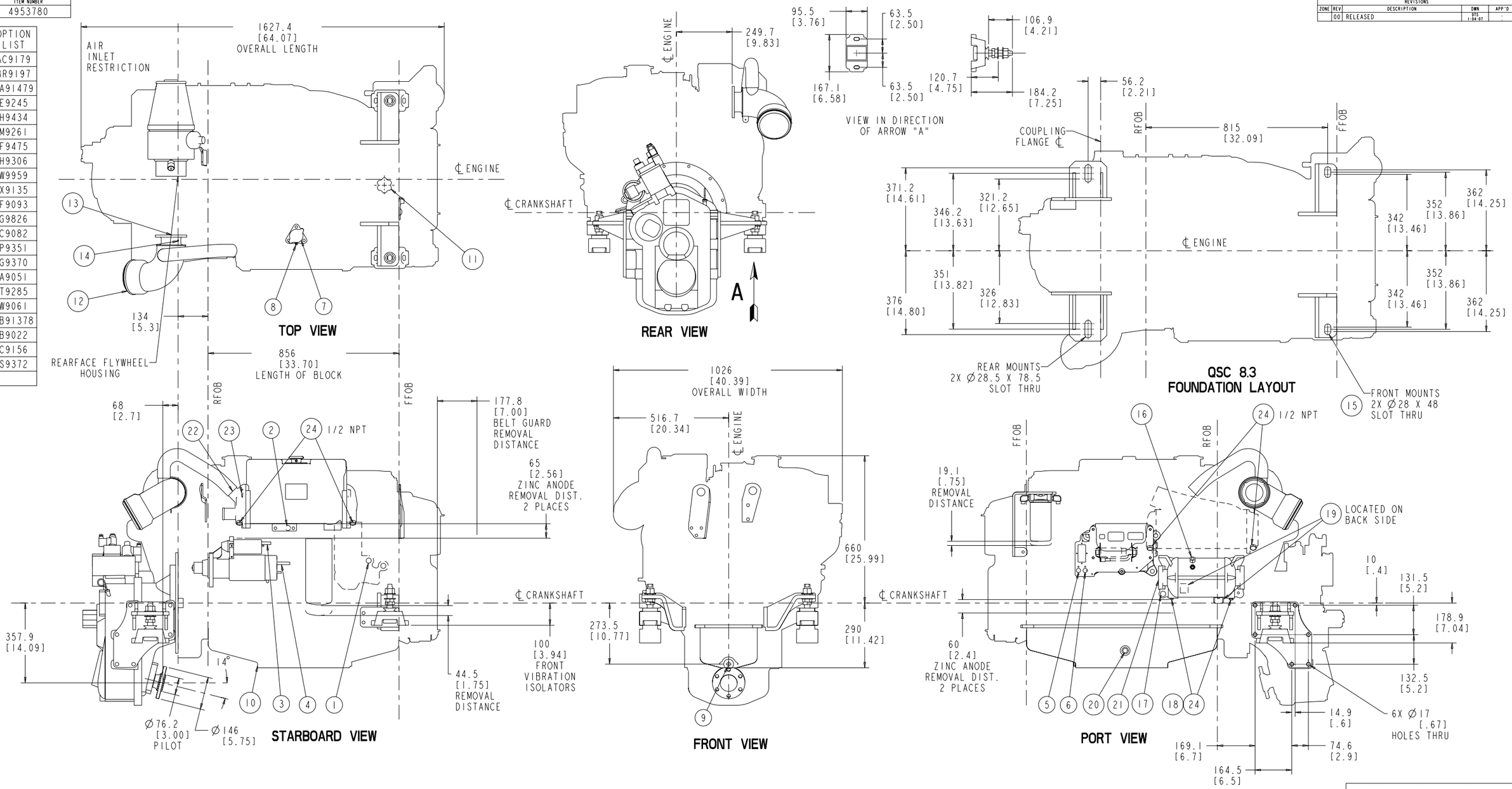
ITEM NUMBER
4953780

OPTION LIST
AC9179
BR9197
DA91479
EE9245
EH9434
EM9261
FF9475
FH9306
FW9959
HX9135
LF9093
LG9826
OC9082
OP9351
RG9370
SA9051
ST9285
SW9061
TB91378
VB9022
VC9156
XS9372

REVISIONS				
ZONE	REV	DESCRIPTION	DWN	APP'D
	00	RELEASED	DTS 1-04-07	



ENGINE SERVICE TEST PORTS/INSTALLATION CONNECTIONS

1	AUXILIARY HEATER RETURN:	3/4 NPT	9	ENGINE OIL DRAIN FRONT:	M18 X 1.5	17	FUEL INLET CONNECTION	7/8-14 UN, 45° FLARE (SAE #10)
2	AUXILIARY HEATER SUPPLY:	3/4 NPT w/ ORIFICE	10	ENGINE OIL DRAIN REAR:	9/16-18 UN	18	GEAR OIL COOLER DRAIN:	3/8 NPT
3	BATTERY CONNECTION (STARTER) (+):	M12 X 1.75	11	ENGINE OIL FILL:	Ø38 [1.5]	19	GEAR OIL COOLER INLET AND OUTLET:	1/2 NPT
4	BATTERY CONNECTION (STARTER) (-):	M12 X 1.75	12	EXHAUST OUTLET CONNECTION (ELBOW):	Ø152.4 [6.00] O.D.	20	OIL HEATER CONNECTION:	M22 X 1.5
5	BATTERY CONNECTION (ECM) (+):	1/4-20 UN	13	EXHAUST OUTLET CONNECTION (TURBO):	Ø66 [2.60] I.D.	21	SEA WATER INLET:	Ø63.5 [2.50]
6	BATTERY CONNECTION (ECM) (-):	1/4-20 UN	14	EXHAUST TEMPERATURE/BACK PRESSURE:	1/8 NPT	22	SEA WATER OUTLET:	Ø50.8 [2.00]
7	COOLANT FILL:	Ø30 [1.18]	15	FRONT ENGINE SUPPORT:	2X Ø28 [1.1] X 48 [1.9] SLOT	23	SHAFT LOG SEA WATER SUPPLY:	1/4 NPT
8	COOLANT RECOVERY/OVERFLOW CONNECTION:	Ø8.39 [.33]	16	FUEL RETURN TO TANK CONNECTION:	3/4-16 UN, 45° FLARE (SAE #8)	24	ZINC ANODE:	4X 1/2 NPT, 2X 3/8 NPT

THIRD ANGLE PROJECTION

INCHES / MILLIMETERS

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REF. DRAWING STANDARDS: ANSI Y14.5M ISO R1101
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DWN	D.SOMIN	4-24-08
CHD	UNCHECKED	
APPD		
APPD		

CUMMINS INC.

ITEM NAME: QSC 8.3-HX W/ ZF2861V SAE 3
IDENTIFIER: INSTALLATION DIAGRAM

SIZE: J | CODE IDENT. NO.: | ITEM NUMBER: 4953780
SCALE: .20 | ITEM CONTROL: MCS | SHEET 1 OF 1