The group G is isomorphic to the group labelled by [48, 3] in the Small Groups library.
Ordinary character table of $G \cong (C4 \times C4) : C3$:

	1a	2a	4a	4b	4c	4d	3a	3b
χ_1	1	1	1	1	1	1	1	1
χ_2	1	1	1	1	1	1	$E(3)$	$E(3)^2$
χ_3	1	1	1	1	1	1	$E(3)^2$	$E(3)$
χ_4	3	3	-1	-1	-1	-1	0	0
χ_5	3	-1	1	-1	$-1+2*E(4)$	$-1+2*E(4)$	0	0
χ_6	3	-1	1	1	$-1+2*E(4)$	$-1-2*E(4)$	0	0
χ_7	3	-1	$-1+2*E(4)$	$-1+2*E(4)$	1	1	0	0
χ_8	3	-1	$-1-2*E(4)$	$-1+2*E(4)$	1	1	0	0

Trivial source character table of $G \cong (C4 \times C4) : C3$ at $p = 2$:

Normalisers N_i	N_1			N_2	N_3			N_4	N_5	N_6	N_7		
p-subgroups of G up to conjugacy in G	P_1			P_2	P_3			P_4	P_5	P_6	P_7		
Representatives $u_j \in N_i$	1a	3a	3b	1a	1a	3a	3b	1a	1a	1a	1a	3a	3b
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	16	1	1	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	16	$E(3)^2$	$E(3)$	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	16	$E(3)$	$E(3)^2$	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 3 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	24	0	0	8	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	4	1	1	4	4	1	1	0	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	4	$E(3)$	$E(3)^2$	4	4	$E(3)$	$E(3)^2$	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	4	$E(3)^2$	$E(3)$	4	4	$E(3)^2$	$E(3)$	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	12	0	0	4	0	0	0	4	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	12	0	0	4	4	0	0	0	4	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	6	0	0	6	6	0	0	2	2	2	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	1	1	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	1	$E(3)^2$	$E(3)$	1	1	$E(3)^2$	$E(3)$	1	1	1	1	$E(3)^2$	$E(3)$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	1	$E(3)$	$E(3)^2$	1	1	$E(3)$	$E(3)^2$	1	1	1	1	$E(3)$	$E(3)^2$

$P_1 = Group([\,])\cong 1$

$P_2 = Group([\,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44)]) \cong C2$

$P_3 = Group([\,(1,5)(2,10)(3,13)(4,15)(6,17)(7,20)(8,23)(9,25)(11,27)(12,28)(14,30)(16,31)(18,33)(19,35)(21,37)(22,38)(24,40)(26,41)(29,42)(32,43)(34,45)(36,46)(39,47)(44,48),(1,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44)]) \cong C2 \times C2$

$P_4 = Group([\,14,17,33)(2,24,27,23)(3,5,30,6)(4,29,31,28)(7,34,37,33)(8,10,40,11)(9,39,41,38)(12,15,42,16)(18,20,45,21)(19,44,46,43)(22,25,47,26)(32,35,48,36),(1,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44)]) \cong C4$

$P_5 = Group([\,1,30,17,3)(2,40,27,8)(4,42,31,12)(5,6,14,13)(7,45,37,18)(9,47,41,22)(10,24,11,23)(15,29,16,28)(19,48,46,32)(20,34,21,33)(25,39,26,38)(35,44,36,43),(1,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44)]) \cong C4$

$P_6 = Group([\,1,5)(2,10)(3,13)(4,15)(6,17)(7,20)(8,23)(9,25)(11,27)(12,28)(14,30)(16,31)(18,33)(19,35)(21,37)(22,38)(24,40)(26,41)(29,42)(32,43)(34,45)(36,46)(39,47)(44,48),(1,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44),(1,14,17,13)(2,24,27,23)(3,5,30,6)(4,29,31,28)(7,34,37,33)(8,10,40,11)(9,39,41,38)(12,15,42,16)(18,20,45,21)(19,44,46,43)(22,25,47,26)(32,35,48,36),(1,42,6,28)(2,47,11,38)(3,4,14,16)(5,29,17,12)(7,48,21,43)(8,9,24,26)(10,39,27,22)(13,15,30,31)(18,19,34,36)(20,44,37,32)(23,25,40,41)(33,35,45,46)]) \cong C4 \times C4$

$P_7 = Group([\,1,2,7)(3,9,44)(4,39,18)(5,11,37)(6,27,20)(8,19)(10,21,17)(12,40,35)(13,26,43)(14,41,45)(15,22,45)(16,38,33)(23,36,28)(24,46,32)(25,42,30)(31,47,34),(1,3,17,30)(2,8,27,40)(4,12,31,42)(5,13,6,14)(7,18,37,45)(9,22,41,47)(10,23,11,24)(15,28,16,29)(19,32,46,48)(20,33,21,34)(25,38,26,39)(35,43,36,44),(1,4,5,15)(2,9,10,25)(3,12,13,28)(6,16,17,31)(7,19,20,35)(8,22,23,38)(11,26,27,41)(14,29,30,42)(18,32,33,48)(21,36,37,46)(24,39,40,47)(34,44,45,48),(1,5)(2,10)(3,13)(4,15)(6,17)(7,20)(8,23)(9,25)(11,27)(12,28)(14,30)(16,31)(18,33)(19,35)(21,37)(22,38)(24,40)(26,41)(29,42)(32,43)(34,45)(36,46)(39,47)(44,48),(1,1,14,17,13)(2,24,27,23)(3,5,30,6)(4,29,31,28)(7,34,37,33)(8,10,40,11)(9,39,41,38)(12,15,42,16)(18,20,45,21)(19,44,46,43)(22,25,47,26)(32,35,48,36),(1,42,6,28)(2,47,11,38)(3,4,14,16)(5,29,17,12)(7,48,21,43)(8,9,24,26)(10,39,27,22)(13,15,30,31)(18,19,34,36)(20,44,37,32)(23,25,40,41)(33,35,45,46)]) \cong C4 \times C4$

$N_1 = Group([\,1,2,7)(3,9,44)(4,39,18)(5,11,37)(6,27,20)(8,19)(10,21,17)(12,40,35)(13,26,43)(14,41,45)(15,22,45)(16,38,33)(23,36,28)(24,46,32)(25,42,30)(31,47,34),(1,3,17,30)(2,8,27,40)(4,12,31,42)(5,13,6,14)(7,18,37,45)(9,22,41,47)(10,23,11,24)(15,28,16,29)(19,32,46,48)(20,33,21,34)(25,38,26,39)(35,43,36,44),(1,4,5,15)(2,9,10,25)(3,12,13,28)(6,16,17,31)(7,19,20,35)(8,22,23,38)(11,26,27,41)(14,29,30,42)(18,32,33,48)(21,36,37,46)(24,39,40,47)(34,44,45,48),(1,5)(2,10)(3,13)(4,15)(6,17)(7,20)(8,23)(9,25)(11,27)(12,28)(14,30)(16,31)(18,33)(19,35)(21,37)(22,38)(24,40)(26,41)(29,42)(32,43)(34,45)(36,46)(39,47)(44,48),(1,14,17,13)(2,24,27,23)(3,5,30,6)(4,29,31,28)(7,34,37,33)(8,10,40,11)(9,39,41,38)(12,15,42,16)(18,20,45,21)(19,44,46,43)(22,25,47,26)(32,35,48,36),(1,42,6,28)(2,47,11,38)(3,4,14,16)(5,29,17,12)(7,48,21,43)(8,9,24,26)(10,39,27,22)(13,15,30,31)(18,19,34,36)(20,44,37,32)(23,25,40,41)(33,35,45,46)]) \cong C4 \times C4$

$N_2 = Group([\,(1,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44),(1,5)(2,10)(3,13)(4,15)(6,17)(7,20)(8,23)(9,25)(11,27)(12,28)(14,30)(16,31)(18,33)(19,35)(21,37)(22,38)(24,40)(26,41)(29,42)(32,43)(34,45)(36,46)(39,47)(44,48),(1,14,17,13)(2,24,27,23)(3,5,30,6)(4,29,31,28)(7,34,37,33)(8,10,40,11)(9,39,41,38)(12,15,42,16)(18,20,45,21)(19,44,46,43)(22,25,47,26)(32,35,48,36),(1,42,6,28)(2,47,11,38)(3,4,14,16)(5,29,17,12)(7,48,21,43)(8,9,24,26)(10,39,27,22)(13,15,30,31)(18,19,34,36)(20,44,37,32)(23,25,40,41)(33,35,45,46)]) \cong C4 \times C4$

$N_3 = Group([\,1,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44),(1,5)(2,10)(3,13)(4,15)(6,17)(7,20)(8,23)(9,25)(11,27)(12,28)(14,30)(16,31)(18,33)(19,35)(21,37)(22,38)(24,40)(26,41)(29,42)(32,43)(34,45)(36,46)(39,47)(44,48),(1,14,17,13)(2,24,27,23)(3,5,30,6)(4,29,31,28)(7,34,37,33)(8,10,40,11)(9,39,41,38)(12,15,42,16)(18,20,45,21)(19,44,46,43)(22,25,47,26)(32,35,48,36),(1,42,6,28)(2,47,11,38)(3,4,14,16)(5,29,17,12)(7,48,21,43)(8,9,24,26)(10,39,27,22)(13,15,30,31)(18,19,34,36)(20,44,37,32)(23,25,40,41)(33,35,45,46)]) \cong C4 \times C4$

$N_4 = Group([\,1,30,17,3)(2,40,27,8)(4,42,31,12)(5,6,14,13)(7,45,37,18)(9,47,41,22)(10,24,11,23)(15,29,16,28)(19,48,46,32)(20,34,21,33)(25,39,26,38)(35,44,36,43),(1,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44),(1,4,5,15)(2,9,10,25)(3,12,13,28)(6,16,17,31)(7,19,20,35)(8,22,23,38)(11,26,27,41)(14,29,30,42)(18,32,33,48)(21,36,37,46)(24,39,40,47)(34,44,45,48)]) \cong C4 \times C4$

$N_5 = Group([\,1,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44),(1,5)(2,10)(3,13)(4,15)(6,17)(7,20)(8,23)(9,25)(11,27)(12,28)(14,30)(16,31)(18,33)(19,35)(21,37)(22,38)(24,40)(26,41)(29,42)(32,43)(34,45)(36,46)(39,47)(44,48),(1,14,17,13)(2,24,27,23)(3,5,30,6)(4,29,31,28)(7,34,37,33)(8,10,40,11)(9,39,41,38)(12,15,42,16)(18,20,45,21)(19,44,46,43)(22,25,47,26)(32,35,48,36),(1,42,6,28)(2,47,11,38)(3,4,14,16)(5,29,17,12)(7,48,21,43)(8,9,24,26)(10,39,27,22)(13,15,30,31)(18,19,34,36)(20,44,37,32)(23,25,40,41)(33,35,45,46)]) \cong C4 \times C4$

$N_6 = Group([\,1,30,17,3)(2,40,27,8)(4,42,31,12)(5,6,14,13)(7,45,37,18)(9,47,41,22)(10,24,11,23)(15,29,16,28)(19,48,46,32)(20,34,21,33)(25,39,26,38)(35,44,36,43),(1,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44),(1,4,5,15)(2,9,10,25)(3,12,13,28)(6,16,17,31)(7,19,20,35)(8,22,23,38)(11,26,27,41)(14,29,30,42)(18,32,33,48)(21,36,37,46)(24,39,40,47)(34,44,45,48)]) \cong C4 \times C4$

$N_7 = Group([\,1,42,6,28)(2,47,11,38)(3,4,14,16)(5,29,17,12)(7,48,21,43)(8,9,24,26)(10,39,27,22)(13,15,30,31)(18,19,34,36)(20,44,37,32)(23,25,40,41)(33,35,45,46),(1,14,17,13)(2,24,27,23)(3,5,30,6)(4,29,31,28)(7,34,37,33)(8,10,40,11)(9,39,41,38)(12,15,42,16)(18,20,45,21)(19,44,46,43)(22,25,47,26)(32,35,48,36),(1,17)(2,27)(3,30)(4,31)(5,6)(7,37)(8,40)(9,41)(10,11)(12,42)(13,14)(15,16)(18,45)(19,46)(20,21)(22,47)(23,24)(25,26)(28,29)(32,48)(33,34)(35,36)(38,39)(43,44),(1,5)(2,10)(3,13)(4,15)(6,17)(7,20)(8,23)(9,25)(11,27)(12,28)(14,30)(16,31)(18,33)(19,35)(21,37)(22,38)(24,40)(26,41)(29,42)(32,43)(34,45)(36,46)(39,47)(44,48),(1,1,4,5,15)(2,9,10,25)(3,12,13,28)(6,16,17,31)(7,19,20,35)(8,22,23,38)(11,26,27,41)(14,29,30,42)(18,32,33,48)(21,36,37,46)(24,39,40,47)(34,44,45,48)]) \cong C4 \times C4$