

Woodstock D-Frame & J-Frame Stock

Transfer Switch Details

#3	ATS	AMPS: 0200	QTY: 2
Product	: Series 300	Catalog Number	: D03AUSB30200NGXM
Service Voltage / Hz	: 480V/60Hz	Optional Accessories	: 11BE,44G
Bypass Isolation	: Not Applicable	Product Description	: 300 Series, Automatic Service Entrance Transfer Switch
No. of Switched Poles: 4	: 4	Neutral Configuration	: Switched [B]
Withstand Rating:	: See WCR Table Below	No. of Cables & Lug Size	: See Applicable Outline Drawing
Frame = D, Switch Rating = 0200, Series = 300			
Enclosure	: 3R(M)-UL Type 3R secure double door enclosure (See Disclaimer 3)	Service	: Three Phase, 4-wire
Extended Warranty	: Not Included	Markings	:

#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	11BE	Adds the following features to the Group G controller: (1) Serial RS-485 Modbus Communications (2) Multi-Schedule Engine Exerciser (3) a 300 Entry Event Log and (4) a common alarm output function. When applied on 3-phase systems it also enables: (1) 3-Phase Emergency Source VLL sensing (2) Phase Rotation Monitoring (3) Emergency Source VLL Unbalance Monitoring.
2	44G	Strip heater w/ thermostat, wired to load terminals: 208-600 volts

GENERAL NOTES

- WALL MOUNTED ENCLOSURE.
- TYPE 3R (M) CONSTRUCTED FROM CODE GAUGE STEEL.
- TYPE 12 (D) CONSTRUCTED FROM CODE GAUGE STEEL.
- FINISH: ANSI #1 GRAY POLYESTER SEM GLOSS ELECTROSTATIC POWDER.
- EXTERIOR DOOR HAVE PADLOCKABLE HAMP & STAPLE.
- DESIGNED FOR FRONT ACCESS.
- RECOMMENDED CLEARANCES: FRONT: 36" (914.4) REAR: NONE.
- APPROXIMATE SHIPPING WEIGHT: 275 LB (125 KG).
- CENTER OF GRAVITY

SPECIFICATIONS

1. SYSTEM RATING: 70 AMPS - 225 AMPS.

SHORT CIRCUIT RATING: SOURCE 1 (NORMAL)

AMP	CIRCUIT BREAKER TYPE	240V MAX.	480V MAX.	600V MAX.
70A-100A	125KA	125KA	65KA	25KA
175A-225A	125KA	125KA	65KA	15KA

SHORT CIRCUIT RATING: SOURCE 2 (EMERGENCY)

AMP	240V MAX.	480V MAX.	600V MAX.
70A-200A	10KA	10KA	10KA
200A	10KA	10KA	-

SOURCE 2 (EMERGENCY) SHORT CIRCUIT RATING MAY BE INCREASED BY UTILIZING A SPECIFIC OVERCURRENT PROTECTIVE DEVICE AS LISTED ON THE TRANSFER SWITCH.

- ALL BUS IS SILVER-PLATED COPPER, BASED ON 1000A PER SQ. IN. DENSITY.
- GROUND AS PER NEC.
- NEUTRAL: 100% RATED.
- APPLICABLE LABEL(S): UL-1008, SUITABLE ONLY FOR USE AS SERVICE ENTRANCE EQUIPMENT.

TRANSFER SWITCH

- 1-D FRAME AUTOMATIC-NON-AUTOMATIC TRANSFER SWITCH.
2. TRANSFER SWITCH RATING: 70 AMPS, 100 AMPS, 150 AMPS, 200 AMPS, 250 AMPS.
3. A FULL RATED NEUTRAL CONNECTION FOR EACH SOURCE AND THE LOAD IS OPTIONAL.
4. WIRE POSITIONING IS IN ONE OF THE FOLLOWING FORMATS:
 - A. SWITCHED NEUTRAL POLE
 - B. SWITCHED NEUTRAL POLE
 - C. SWITCHED NEUTRAL POLE
 - D. U.L. 1008 OR CSA C22.2 NO.178.1

TERMINATIONS 70A-175A

1. SUPPLIED WITH MECHANICAL (SCREW TYPE) LUGS FOR CUAL CABLE.
- SOURCE 1 (NORMAL): 100A-100A: (1) #4 - 30 PER PHASE PHASE & NEUTRAL
- SOURCE 2 (EMERGENCY): 100A-100A: (1) #4 - 40 PER PHASE PHASE & NEUTRAL
- SOURCE 1 (NORMAL): 175A: (1) #4 - 40 PER PHASE PHASE & NEUTRAL
- SOURCE 2 (EMERGENCY): 175A: (1) #4 - 40 PER PHASE PHASE & NEUTRAL
- LOAD: (1) #14 - 40 PER PHASE & NEUTRAL
- GROUND: (3) #14 - 10
- A. SUITABLE WIRE BENDING SPACE IS PROVIDED AS PER NEC.

TERMINATIONS 200A-225A (COPPER CABLE ONLY)

1. SUPPLIED WITH MECHANICAL (SCREW TYPE) LUGS FOR CU CABLE.
- SOURCE 1 (NORMAL): (1) 30 - 250 MCM PER PHASE PHASE & NEUTRAL
- SOURCE 2 (EMERGENCY): (1) #14 - 40 PER PHASE PHASE & NEUTRAL
- LOAD: (1) #14 - 40 PER PHASE & NEUTRAL
- GROUND: (3) #14 - 10
- A. SUITABLE WIRE BENDING SPACE IS PROVIDED AS PER NEC.

CIRCUIT BREAKER: ITEM 52U

1. SQUARE D, 80% RATED, TYPE HL, 160AF70AT, 160AF70AT, 160AF70AT, 160AF100AT, 160AF110AT, 160AF120AT, 160AF150AT, 160AF150AT, 160AF175AT, 260AF220AT, 260AF220AT
- MANUALLY OPERATED, THERMAL-MAGNETIC TRIP SETTINGS.
- OPTIONAL, 100% RATED AVAILABLE UPON REQUEST.
- U.L. 489

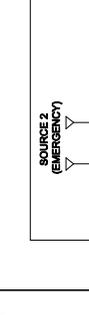
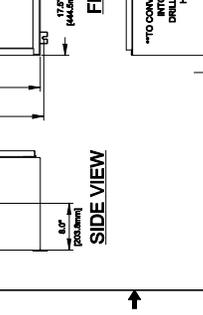
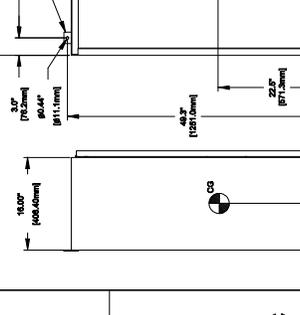
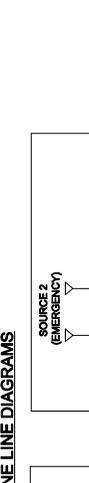
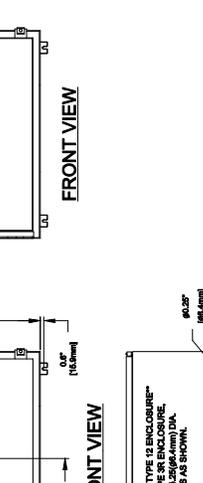
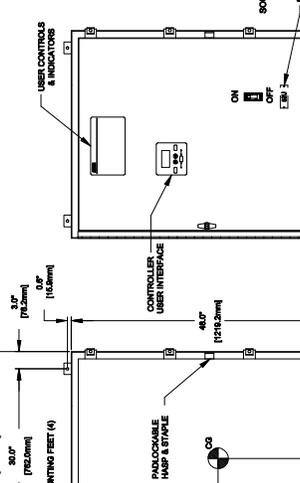
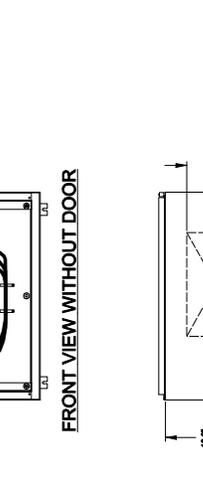
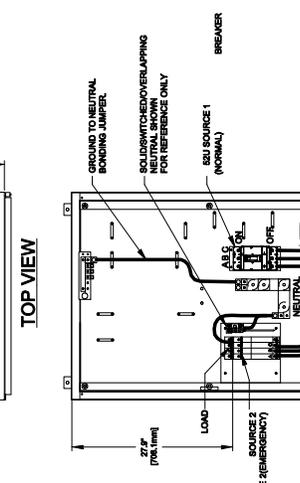
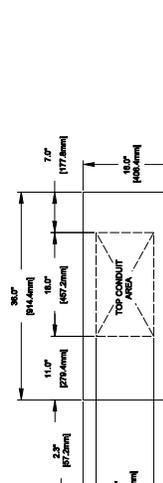
WIRING/CABLING

1. FOR 100% RATED BREAKER - USE 90°C MINIMUM CUAL WIRE FOR POWER CABLES.
- FOR 80% RATED BREAKER - USE 75°C MINIMUM CUAL WIRE FOR POWER CABLES.
- WIRE SIZE TO BE BASED ON AMPACITY OF 75°C WIRE.
- USE 60°C MINIMUM CU WIRE FOR CONTROLS.

TABLE 1

#14 AWG	2.50mm ²
#6 AWG	16mm ²
#4 AWG	25mm ²
1/0 AWG	50mm ²
2/0 AWG	70mm ²
3/0 AWG	95mm ²
4/0 AWG	120mm ²
250 MCM	120mm ²
300 MCM	150mm ²
350 MCM	185mm ²
400 MCM	240mm ²
500 MCM	240mm ²
600 MCM	300mm ²
750 MCM	400mm ²

SEE TABLE 1 FOR METRIC TERMINATIONS



PROJECT NAME: _____

DATE: _____

SCALE: _____

BY: _____

CHECKED BY: _____

DESIGNED BY: _____

DATE: _____

PROJECT NO.: _____

ASCO P. 0001

1922770-003

REV. D

1 OF 1

C



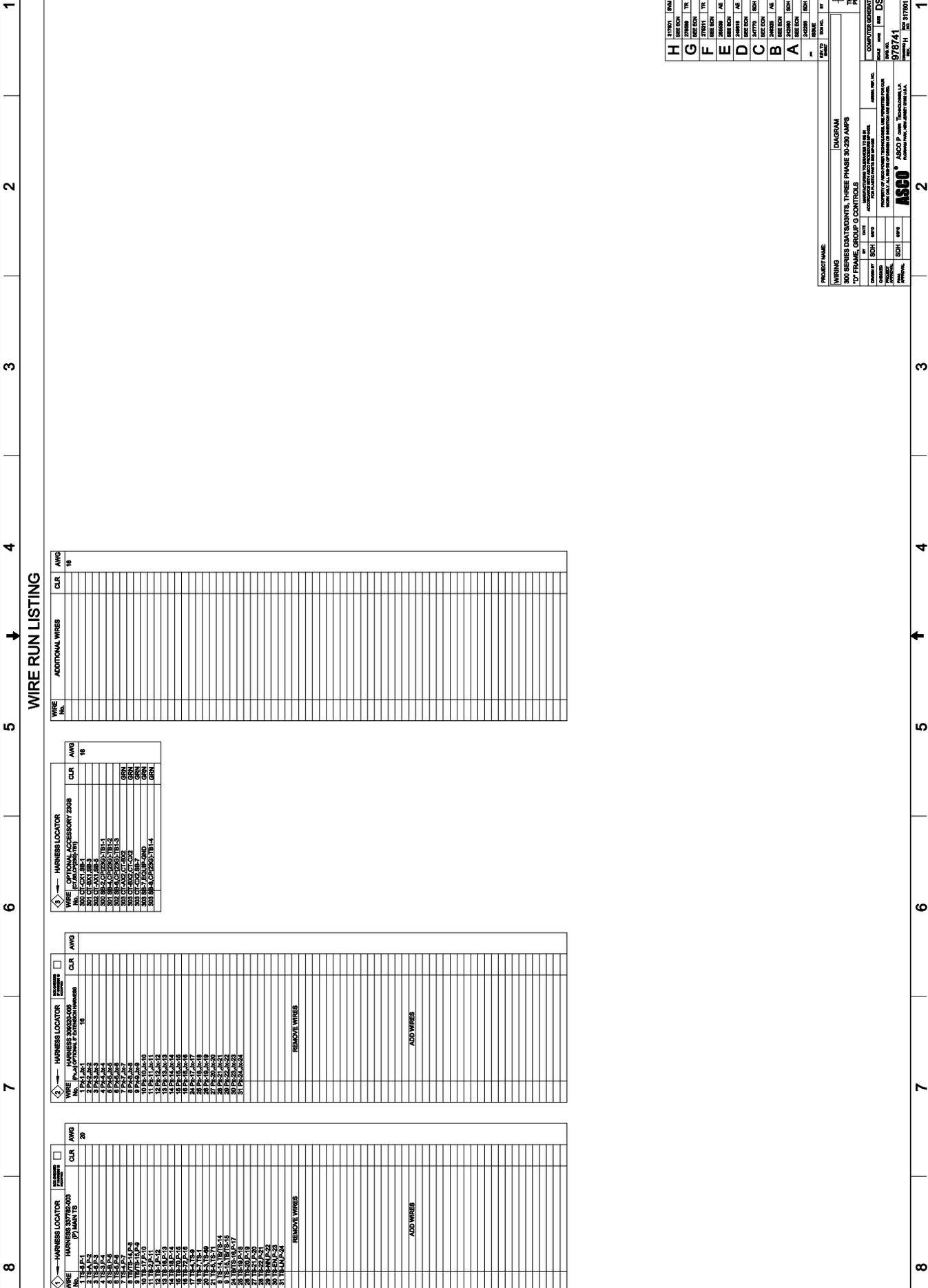
B

A

D	DATE	NO.	REV.	BY	CHK.
C	DATE	NO.	REV.	BY	CHK.
B	DATE	NO.	REV.	BY	CHK.
A	DATE	NO.	REV.	BY	CHK.
COMPUTER GENERATED DRAWING FILE NO. 152270-003 PART NO. 152-31853 SHEET NO. 1 OF 1					



THIRD ANGLE PROJECTION



WIRE RUN LISTING

HARNESS LOCATOR

WIRE No.	DESCRIPTION	CLR	AWG
1	1184-1		20
2	1184-2		20
3	1184-3		20
4	1184-4		20
5	1184-5		20
6	1184-6		20
7	1184-7		20
8	1184-8		20
9	1184-9		20
10	1184-10		20
11	1184-11		20
12	1184-12		20
13	1184-13		20
14	1184-14		20
15	1184-15		20
16	1184-16		20
17	1184-17		20
18	1184-18		20
19	1184-19		20
20	1184-20		20
21	1184-21		20
22	1184-22		20
23	1184-23		20
24	1184-24		20
25	1184-25		20
26	1184-26		20
27	1184-27		20
28	1184-28		20
29	1184-29		20
30	1184-30		20
31	1184-31		20
32	1184-32		20
33	1184-33		20
34	1184-34		20
35	1184-35		20
36	1184-36		20
37	1184-37		20
38	1184-38		20
39	1184-39		20
40	1184-40		20
41	1184-41		20
42	1184-42		20
43	1184-43		20
44	1184-44		20
45	1184-45		20
46	1184-46		20
47	1184-47		20
48	1184-48		20
49	1184-49		20
50	1184-50		20
51	1184-51		20
52	1184-52		20
53	1184-53		20
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57	1184-57		20
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65	1184-65		20
66	1184-66		20
67	1184-67		20
68	1184-68		20
69	1184-69		20
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79	1184-79		20
80	1184-80		20
81	1184-81		20
82	1184-82		20
83	1184-83		20
84	1184-84		20
85	1184-85		20
86	1184-86		20
87	1184-87		20
88	1184-88		20
89	1184-89		20
90	1184-90		20
91	1184-91		20
92	1184-92		20
93	1184-93		20
94	1184-94		20
95	1184-95		20
96	1184-96		20
97	1184-97		20
98	1184-98		20
99	1184-99		20
100	1184-100		20

REMOVE WIRES

ADD WIRES

HARNESS LOCATOR

WIRE No.	DESCRIPTION	CLR	AWG
1	1184-1		18
2	1184-2		18
3	1184-3		18
4	1184-4		18
5	1184-5		18
6	1184-6		18
7	1184-7		18
8	1184-8		18
9	1184-9		18
10	1184-10		18
11	1184-11		18
12	1184-12		18
13	1184-13		18
14	1184-14		18
15	1184-15		18
16	1184-16		18
17	1184-17		18
18	1184-18		18
19	1184-19		18
20	1184-20		18
21	1184-21		18
22	1184-22		18
23	1184-23		18
24	1184-24		18
25	1184-25		18
26	1184-26		18
27	1184-27		18
28	1184-28		18
29	1184-29		18
30	1184-30		18
31	1184-31		18
32	1184-32		18
33	1184-33		18
34	1184-34		18
35	1184-35		18
36	1184-36		18
37	1184-37		18
38	1184-38		18
39	1184-39		18
40	1184-40		18
41	1184-41		18
42	1184-42		18
43	1184-43		18
44	1184-44		18
45	1184-45		18
46	1184-46		18
47	1184-47		18
48	1184-48		18
49	1184-49		18
50	1184-50		18
51	1184-51		18
52	1184-52		18
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79	1184-79		18
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82	1184-82		18
83	1184-83		18
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90	1184-90		18
91	1184-91		18
92	1184-92		18
93	1184-93		18
94	1184-94		18
95	1184-95		18
96	1184-96		18
97	1184-97		18
98	1184-98		18
99	1184-99		18
100	1184-100		18

REMOVE WIRES

ADD WIRES

HARNESS LOCATOR

WIRE No.	DESCRIPTION	CLR	AWG
1	1184-1		16
2	1184-2		16
3	1184-3		16
4	1184-4		16
5	1184-5		16
6	1184-6		16
7	1184-7		16
8	1184-8		16
9	1184-9		16
10	1184-10		16
11	1184-11		16
12	1184-12		16
13	1184-13		16
14	1184-14		16
15	1184-15		16
16	1184-16		16
17	1184-17		16
18	1184-18		16
19	1184-19		16
20	1184-20		16
21	1184-21		16
22	1184-22		16
23	1184-23		16
24	1184-24		16
25	1184-25		16
26	1184-26		16
27	1184-27		16
28	1184-28		16
29	1184-29		16
30	1184-30		16
31	1184-31		16
32	1184-32		16
33	1184-33		16
34	1184-34		16
35	1184-35		16
36	1184-36		16
37	1184-37		16
38	1184-38		16
39	1184-39		16
40	1184-40		16
41	1184-41		16
42	1184-42		16
43	1184-43		16
44	1184-44		16
45	1184-45		16
46	1184-46		16
47	1184-47		16
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62	1184-62		16
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70	1184-70		16
71	1184-71		16
72	1184-72		16
73	1184-73		16
74	1184-74		16
75	1184-75		16
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89	1184-89		16
90	1184-90		16
91	1184-91		16
92	1184-92		16
93	1184-93		16
94	1184-94		16
95	1184-95		16
96	1184-96		16
97	1184-97		16
98	1184-98		16
99	1184-99		16
100	1184-100		16

REMOVE WIRES

ADD WIRES

1184-1	GRN	16	100000
1184-2	GRN	16	100000
1184-3	GRN	16	100000
1184-4	GRN	16	100000
1184-5	GRN	16	100000
1184-6	GRN	16	100000
1184-7	GRN	16	100000
1184-8	GRN	16	100000
1184-9	GRN	16	100000
1184-10	GRN	16	100000
1184-11	GRN	16	100000
1184-12	GRN	16	100000
1184-13	GRN	16	100000
1184-14	GRN	16	100000
1184-15	GRN	16	100000
1184-16	GRN	16	100000
1184-17	GRN	16	100000
1184-18	GRN	16	100000
1184-19	GRN	16	100000
1184-20	GRN	16	100000
1184-21	GRN	16	100000
1184-22	GRN	16	100000
1184-23	GRN	16	100000
1184-24	GRN	16	100000
1184-25	GRN	16	100000
1184-26	GRN	16	100000
1184-27	GRN	16	100000
1184-28	GRN	16	100000
1184-29	GRN	16	100000
1184-30	GRN	16	100000
1184-31	GRN	16	100000
1184-32	GRN	16	100000
1184-33	GRN		