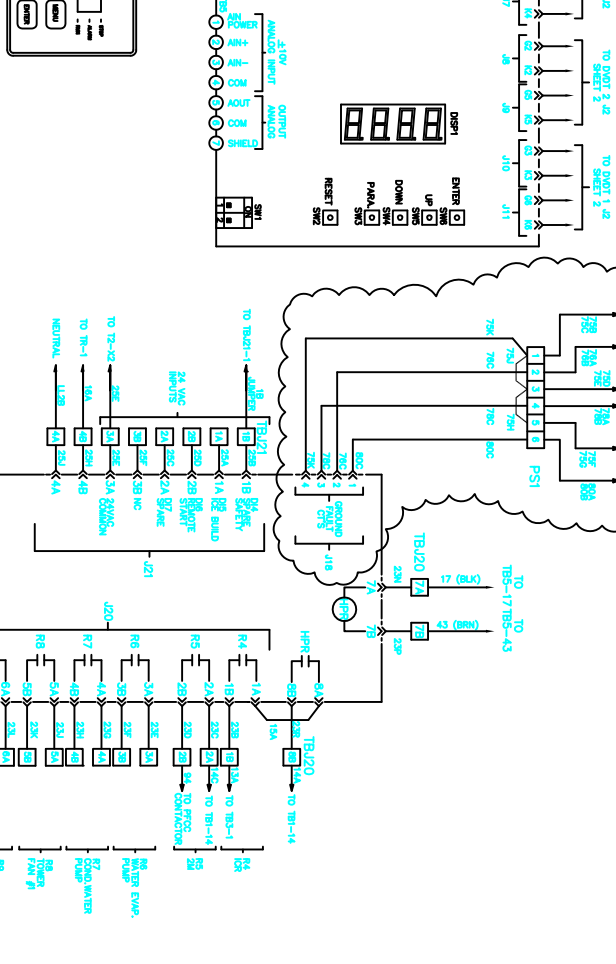
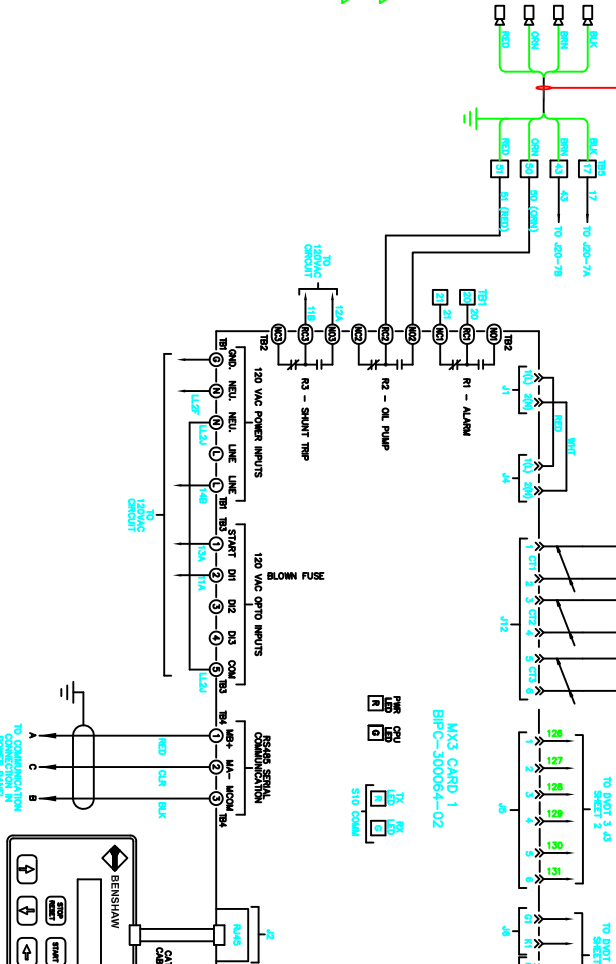
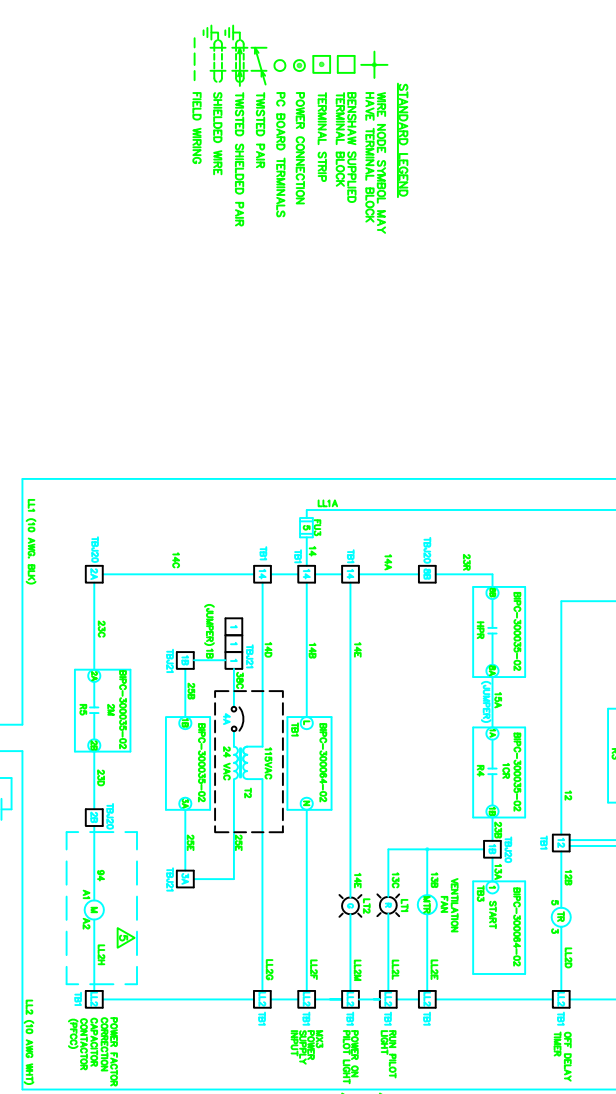
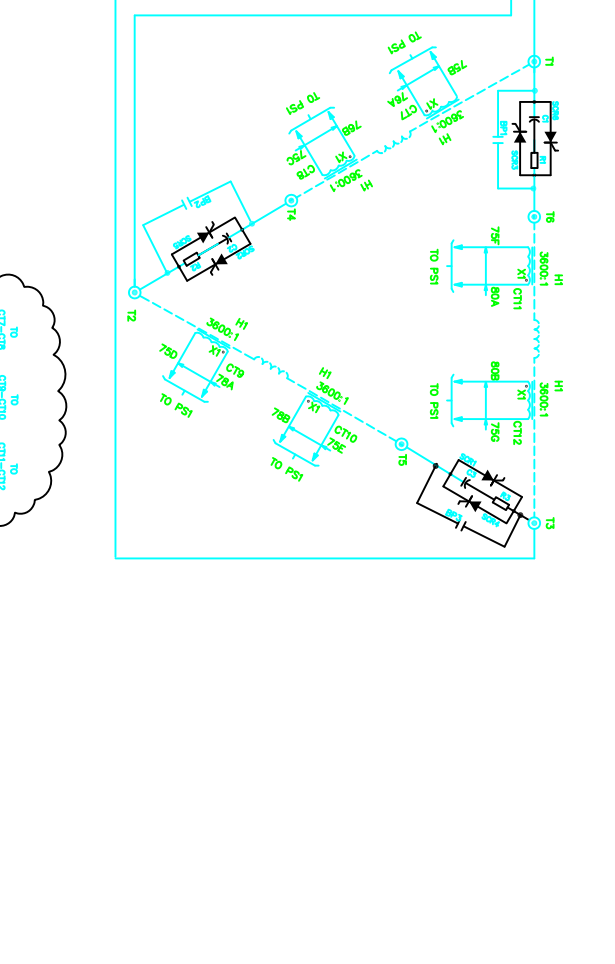
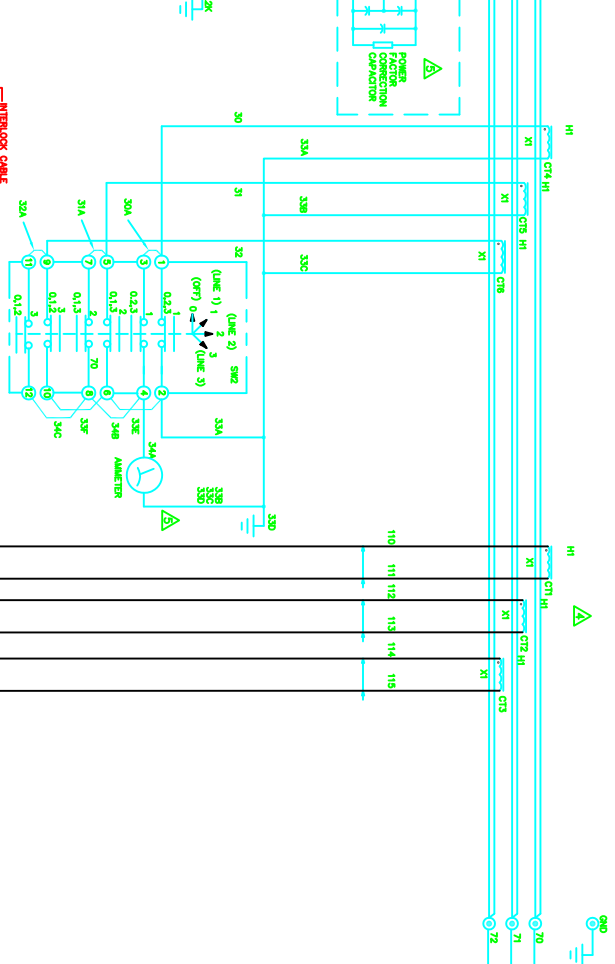
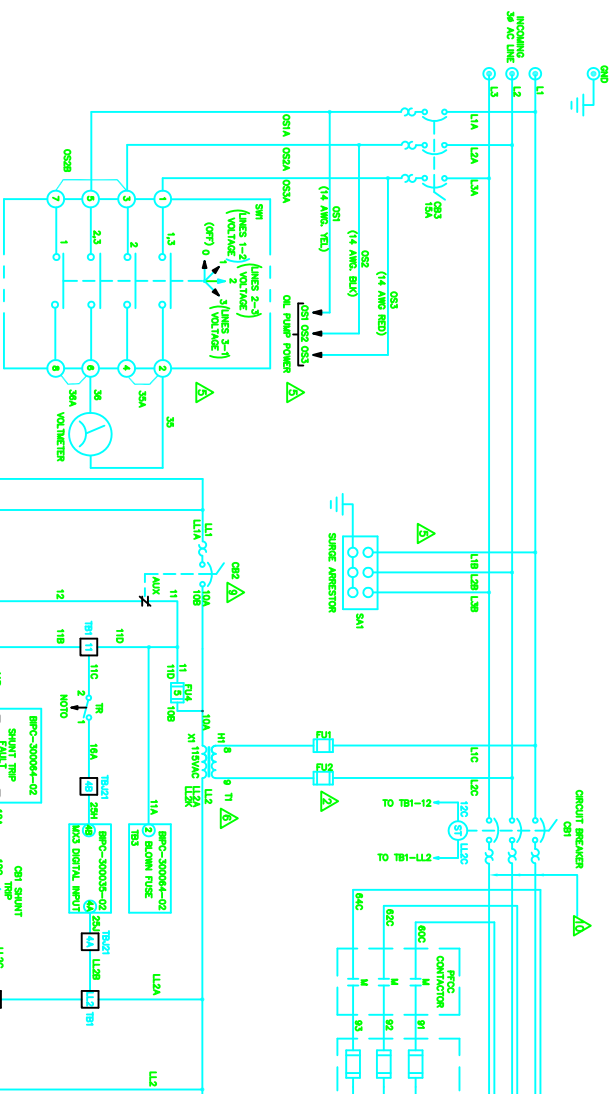


REVISIONS	THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES PER ASME Y14.5M-1994	SIGNATURES	DATE	TITLE:	SIZE DWG NO.	SCALE	SHEET
DO NOT SCALE DWG		THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN, IS THE PROPERTY OF BENSCHAW INC., AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE EXPRESS WRITTEN PERMISSION OF BENSCHAW INC. IT IS PROVIDED SOLELY FOR THE CONVENIENCE OF THE USER AND SHALL BE RETURNED UPON REQUEST.	DRWN: BS CHKD: RP ENG: BS MFG:	5/8/09 5/11/09 5/8/09	SCHEMATIC CARRIER UNIT MOUNT INSIDE STATE STARTER SOLID STATE STARTER MASTER SCHEMATIC MX3 CONTROL 97-361A 97-598A I.D.	SCH-704648-00	1:1	1 OF 2

STANDARD LEGEND

- WIRE TYPE SYMBOLS MAY HAVE TERMINAL BLOCK
- BENSCHAW SUPPLIED TERMINAL BLOCK
- POWER CONNECTION
- PC BOARD TERMINALS
- Twisted Pair
- Twisted Shielded Pair
- Shielded Wire
- Field Wiring

AC MOTOR

- T1 - T4
- T5 - T8
- T9 - T12
- T13 - T16
- T17 - T20
- T21 - T24
- T25 - T28
- T29 - T32
- T33 - T36
- T37 - T40
- T41 - T44
- T45 - T48
- T49 - T52
- T53 - T56
- T57 - T60
- T61 - T64
- T65 - T68
- T69 - T72
- T73 - T76
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- T837 - T840
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- T981 - T984
- T985 - T988
- T989 - T992
- T993 - T996
- T997 - T1000

NOTES:

- TRANSFORMER T1 PRIMARY RISES FV/F12 VALUE DEPENDENT ON SYSTEM VOLTAGE PER CHART 1. TRANSFORMER CONNECTIONS PER TRANSFORMER MATERIAL CONNECTION DIAGRAM.
- CT1-CT3 ARE SIZED PER CHART 2.
- OPTIONAL FOR ALL STARTERS.
- TRANSFORMER T1 IS 3KVA FOR 1900V AND 1900X STARTERS
- CIRCUIT BREAKER CB2 RATED AT: 30AMPS. FOR MODELS 1900V AND 1900X
- SEE CHART 3 FOR L1L2 & L3 CONDUCTOR PER PHASE

CHART 1

SYSTEM VOLTAGE	30 AMP
200	30
250	30
300	30
350	30
400	30
450	30
500	30
550	30
600	30
650	30
700	30
750	30
800	30
850	30
900	30
950	30
1000	30
1050	30
1100	30
1150	30
1200	30
1250	30
1300	30
1350	30
1400	30
1450	30
1500	30
1550	30
1600	30
1650	30
1700	30
1750	30
1800	30
1850	30
1900	30
1950	30
2000	30

CHART 2

STARTER RLA RANGE	MX3 CTRNO
95-135	2400.1
136-200	2400.1
201-251	2400.1
252-300	2400.1
301-340	2400.1
341-400	2400.1
401-450	2400.1
451-500	2400.1
501-550	2400.1
551-600	2400.1
601-650	2400.1
651-700	2400.1
701-750	2400.1
751-800	2400.1
801-850	2400.1
851-900	2400.1
901-950	2400.1
951-1000	2400.1
1001-1050	2400.1
1051-1100	2400.1
1101-1150	2400.1
1151-1200	2400.1
1201-1250	2400.1
1251-1300	2400.1
1301-1350	2400.1
1351-1400	2400.1
1401-1450	2400.1
1451-1500	2400.1
1501-1550	2400.1
1551-1600	2400.1
1601-1650	2400.1
1651-1700	2400.1
1701-1750	2400.1
1751-1800	2400.1
1801-1850	2400.1
1851-1900	2400.1
1901-1950	2400.1
1951-2000	2400.1

CHART 3

STARTER RLA RANGE	L1, L2 & L3 CONDUCTORS PER PHASE (LOAD SIZE)
95-200	202 MCM DLO BLK 1 COND. PER PHASE
201-251	202 MCM DLO BLK 2 COND. PER PHASE
252-300	202 MCM DLO BLK 2 COND. PER PHASE
301-340	202 MCM DLO BLK 2 COND. PER PHASE
341-400	202 MCM DLO BLK 2 COND. PER PHASE
401-450	202 MCM DLO BLK 2 COND. PER PHASE
451-500	202 MCM DLO BLK 2 COND. PER PHASE
501-550	202 MCM DLO BLK 2 COND. PER PHASE
551-600	202 MCM DLO BLK 2 COND. PER PHASE
601-650	202 MCM DLO BLK 2 COND. PER PHASE
651-700	202 MCM DLO BLK 2 COND. PER PHASE
701-750	202 MCM DLO BLK 2 COND. PER PHASE
751-800	202 MCM DLO BLK 2 COND. PER PHASE
801-850	202 MCM DLO BLK 2 COND. PER PHASE
851-900	202 MCM DLO BLK 2 COND. PER PHASE
901-950	202 MCM DLO BLK 2 COND. PER PHASE
951-1000	202 MCM DLO BLK 2 COND. PER PHASE
1001-1050	202 MCM DLO BLK 2 COND. PER PHASE
1051-1100	202 MCM DLO BLK 2 COND. PER PHASE
1101-1150	202 MCM DLO BLK 2 COND. PER PHASE
1151-1200	202 MCM DLO BLK 2 COND. PER PHASE
1201-1250	202 MCM DLO BLK 2 COND. PER PHASE
1251-1300	202 MCM DLO BLK 2 COND. PER PHASE
1301-1350	202 MCM DLO BLK 2 COND. PER PHASE
1351-1400	202 MCM DLO BLK 2 COND. PER PHASE
1401-1450	202 MCM DLO BLK 2 COND. PER PHASE
1451-1500	202 MCM DLO BLK 2 COND. PER PHASE
1501-1550	202 MCM DLO BLK 2 COND. PER PHASE
1551-1600	202 MCM DLO BLK 2 COND. PER PHASE
1601-1650	202 MCM DLO BLK 2 COND. PER PHASE
1651-1700	202 MCM DLO BLK 2 COND. PER PHASE
1701-1750	202 MCM DLO BLK 2 COND. PER PHASE
1751-1800	202 MCM DLO BLK 2 COND. PER PHASE
1801-1850	202 MCM DLO BLK 2 COND. PER PHASE
1851-1900	202 MCM DLO BLK 2 COND. PER PHASE
1901-1950	202 MCM DLO BLK 2 COND. PER PHASE
1951-2000	202 MCM DLO BLK 2 COND. PER PHASE