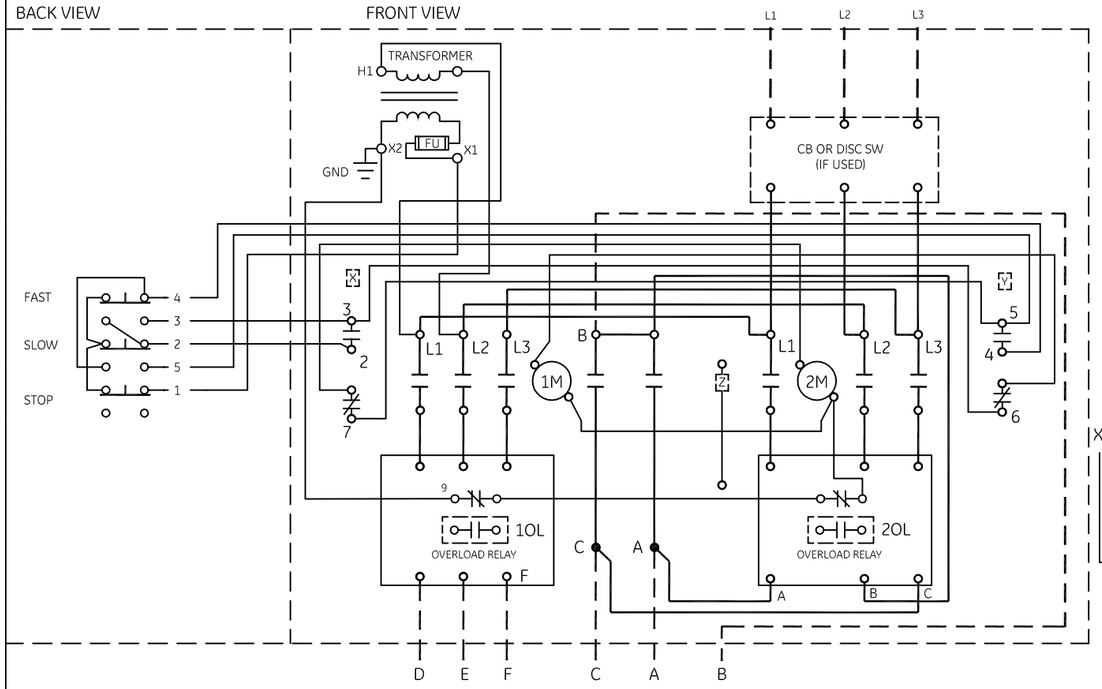
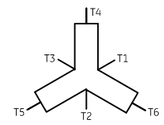
BACK VIEW

FRONT VIEW

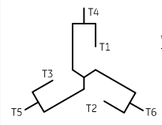


-GEM 1000 MOTOR- CONNECTIONS-

CONNECTION TABLE — THREE-PHASE, TWO-SPEED, ONE-WINDING



CONSTANT TORQUE

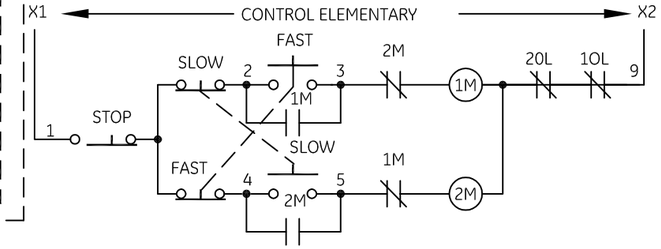


VARIABLE TORQUE

SPEED	L1	L2	L3	OPEN	TOGETHER	SPEED	L1	L2	L3	OPEN	TOGETHER
LOW	T1	T2	T3	ALL OTHERS		1 LOW	T1	T2	T3	ALL OTHERS	
HIGH	T6	T4	T5		T1,T2,T3	2 HIGH	T6	T4	T5		T1,T2,T3

INSTALL OVERLOAD HEATERS		
FOR	LOW SPEED	HIGH SPEED
IN	2OL	1OL

CONNECTION TABLE							
PANEL	A	B	C	D	E	F	
MOTOR	T1	T2	T3	T6	T4	T5	



-NOMENCLATURE-
1M&2M-SPEED CONTACTORS MECHANICALLY & ELECTRICALLY INTERLOCKED.
1OL,2OL-OVERLOAD RELAYS
I-INDICATING LIGHT

ALTERNATIVE LEGENDS FOR FAST AND SLOW ARE HIGH AND LOW.

NOTE: ADDITIONAL OVER-CURRENT PROTECTION MAY BE REQUIRED. REFER TO THE NATIONAL ELECTRICAL CODE OR LOCAL ELECTRICAL CODE AS REQUIRED.

		LINE	LOAD
USE 75°C, COPPER CONDUCTORS ONLY, FOR FIELD WIRING. TORQUE LINE AND LOAD TERMINALS AS SHOWN AT RIGHT:	CR309	20 LB-IN	20 LB-IN
	CR310	AS MARKED	20 LB-IN
	CR311	35 LB-IN	20 LB-IN
	CR390	AS MARKED	20 LB-IN

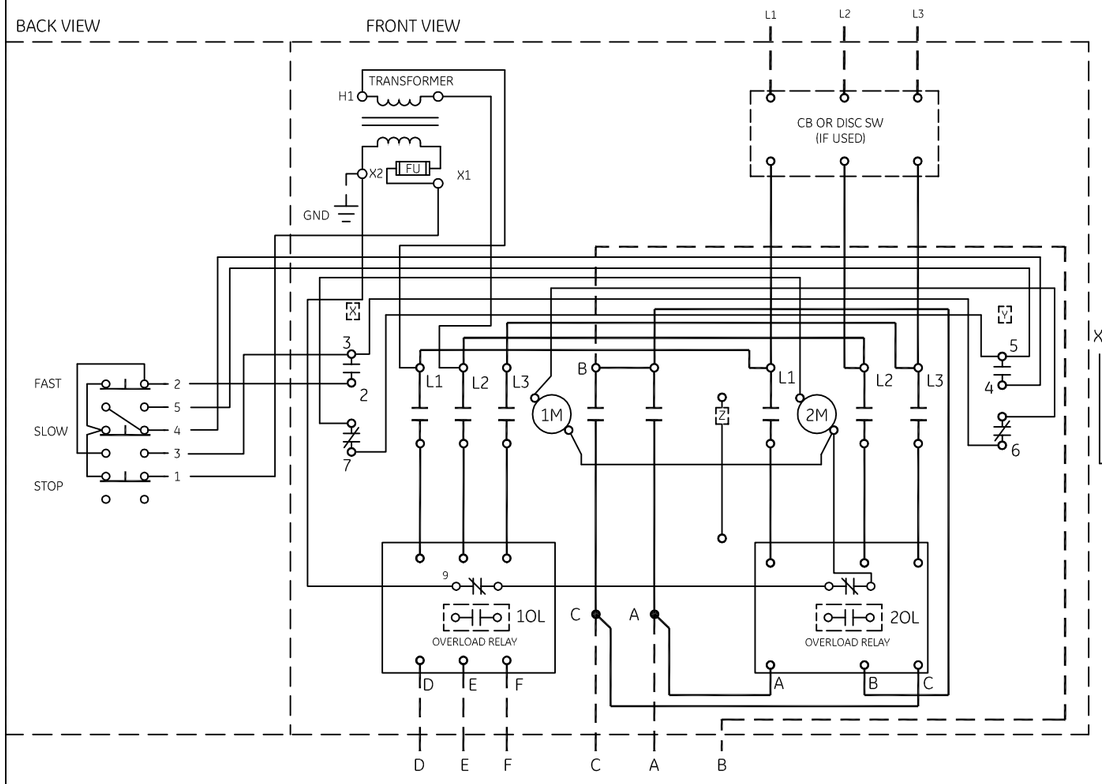
GROUND KIT

1/2-IN CONDUIT	55-213403G001
3/4-IN CONDUIT	55-213403G002
1-IN CONDUIT	55-213403G003
1 1/4-IN CONDUIT	55-213403G004
1 1/2-IN CONDUIT	55-213403G005
2-IN CONDUIT	55-213403G006
2 1/2-IN CONDUIT	55-213403G007
3-IN CONDUIT	55-213403G008

EXTRA AUXILIARY CONTACTS MAY BE ADDED AT LOCATIONS X,Y & Z.

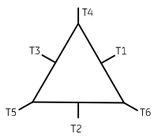
BACK VIEW

FRONT VIEW



GEM 1000
MOTOR CONNECTIONS

THREE-PHASE, TWO SPEED, ONE-WINDING

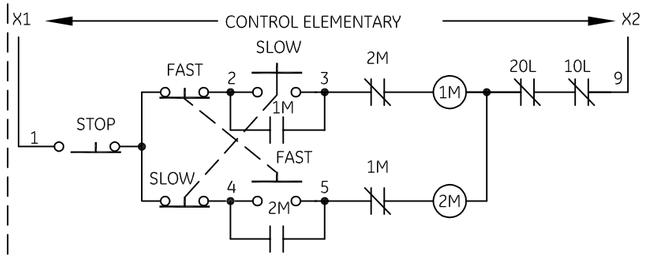


CONSTANT HORSEPOWER

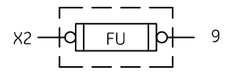
SPEED	L1	L2	L3	OPEN	TOGETHER
1 LOW	T1	T2	T3		T4,T5,T6
2 HIGH	T6	T4	T5	T1,T2,T3	

CONNECTION TABLE						
PANEL	A	B	C	D	E	F
MOTOR	T6	T4	T5	T1	T2	T3

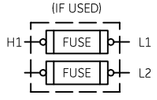
INSTALL OVERLOAD HEATERS		
FOR	LOW SPEED	HIGH SPEED
IN	1OL	2OL



EXTRA SECONDARY FUSE



FUSED CONTROL CIRCUIT (IF USED)



imagination at work

WIRING DIAGRAM
2 SPEED - 1 WINDING SIZE 0 & 1

AN #	THIRD ANGLE PROJECTION	SHEET #	DWG NO.	DATE	REV
09-9115		1 OF 1	55-520077	09/07/2009	4