

WIRE SCHEDULE - CONDUIT INSTALLATION		
QTY	DESCRIPTION	COLOR CODE
A	1 PAIR 18GA. TW/SOLID -SHIELD FFJK	RED JACKET
B	1 PAIR 18GA. TW/SOLID -SHIELD FFJK	RED JACKET
C	1 PAIR 18GA. TW/SOLID FFJK OR CAT-5 NON-SHIELDED	RED JACKET
D	1 PAIR 18GA. THIN	RED JACKET
E	1 PAIR 18GA. TW/SOLID -SHIELD FFJK	RED JACKET
F	1 PAIR 18GA. TW/SOLID -SHIELD FFJK	RED JACKET
G	1 PAIR 18GA. TW/SOLID -SHIELD FFJK	RED JACKET
H	1 PAIR 18GA. TW/SOLID -SHIELD FFJK	RED JACKET
I	1 PAIR 18GA. TW/SOLID -SHIELD FFJK	RED JACKET
J	1 PAIR 18GA. TW/SOLID -SHIELD FFJK	RED JACKET
K		
L		
M		
** WIRE AND CABLE SIZES ARE BASED UPON SIEMENS / ANIXTER CABLE SIZES. SPECIAL CONSIDERATION MUST BE USED WHEN USING C OR M TYPE CABLES. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SIZING CONDUIT BASED UPON WIRE AND CABLE USED ON THIS PROJECT. ALL SIEMENS / ANIXTER WIRE AND CABLE IS U.L. LISTED FOR ITS USE AND INSTALLATION.		
** DRAWINGS ARE BASED UPON A CONDUIT INSTALLATION. IF CONDUIT IS NOT USED, PLEASE CONTACT SIEMENS FOR A REVISED WIRE AND CABLE SCHEDULE.		

WIRE FILL CHART		
NOM. SQUARE INCH FILL	CONDUIT SIZE	40% FILL SQUARE INCHES
A WIRE - .0204 PER PAIR	1/2"	.122
B WIRE - .0261 PER PAIR	3/4"	.215
C WIRE - .0367 PER PAIR	1"	.346
D WIRE - .0212 PER PAIR	1-1/4"	.566
E WIRE - .0313 PER PAIR	1-1/2"	.814
F WIRE - .0367 PER PAIR	2"	1.342
G WIRE - .0367 PER PAIR	2-1/2"	2.343
H WIRE - .0367 PER PAIR	3"	3.538
I WIRE - .0261 PER PAIR	3-1/2"	4.618
J WIRE - .0313 PER PAIR	4"	5.901
K WIRE - .0204 PER PAIR		
L WIRE - .0261 PER PAIR		
WIRE SIZES BASED UPON SIEMENS / ANIXTER CABLE PER NFPA 70, NEC CHAPTER 9 TABLE #4 FOR EMT		

NOTE:
SURVIVABILITY LEVELS ARE DETERMINED BY THE V.A., CHECK SPECIFICATION TO DETERMINE IF C.I.C. CABLING IS REQUIRED.

