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MATICALLY. THIS CONTRACTOR SHALL NOT INSTALL MORE THAN 3 CURRENT IRS IN A RACEWAY UNLESS DONE SO STRICTLY BY THE NATIONAL ELECTRIC CODE. PANELS SHALL HAVE 3 EMPTY 1-1/2" CONDUIT STUBBED ABOVE ACCESSIBLE HUNG SPACE CIRCUITS. REVIEW ALL TRADES' CONTRACT DOCUMENTS TO DETERMINE SPECIFIS MOUNTING TRICAL EQUIPMENT. COORDINATE EXACT MOUNTING LOCATIONS WITH THE URAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHTS AND EXACT LOCATIONS OF ELECTRICAL EQUIPMENT SHALL BE INSTALLED ON 4" HIGH CONCRETE PADS. ICH CIRCUIT CONDUCTORS AND CONDUITS WERE SIZED FOR VOLTAGE DROP BASE TES. CONTRACTOR SHALL RESIZE CONDUCTORS AND CONDUITS TO ADJUST FOR DROP WHEN DEVIATING FROM MOST DIRECT ROUTE. MAXIMUM COMBINED VOLTAGE TEDER AND BRANCH CIRCUIT SHALL NOT EXCEED 5%. THE MAXIMUM ON THE IRCUIT SHALL NOT EXCEED 3 %. LF LINEAR FOOT	50A-2P 2 #6 & 1 #10 GND 3/4"C. 60A-2P 2 #4 & 1 #10 GND 3/4"C. 120/208 VOLT, 1Ø, 3W. CIRCUITS 20A-2P* 3 #10 & 1 #10 GND 3/4"C. 30A-2P* 3 #10 & 1 #10 GND 3/4"C. 40A-2P* 3 #10 & 1 #10 GND 3/4"C. 50A-2P* 3 #6 & 1 #10 GND 3/4"C. 60A-2P* 3 #6 & 1 #10 GND 3/4"C. 50A-2P* 3 #6 & 1 #10 GND 3/4"C. 60A-2P* 3 #4 & 1 #10 GND 3/4"C. 208 OR 480 VOLTS, 3Ø, 3W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 3W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 3W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 3W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 3W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 3W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 4W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 3W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 4W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 4W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 4W. CIRCUITS 208 OR 480 VOLTS, 3Ø, 4W. CIRCUITS	5 S VFD NF AF/A	MOTOR NUMERAL INDICATES HORSEPOWER RATING MAGNETIC MOTOR STARTER VARIABLE SPEED SWITCH DISCONNECT SWITCH (UNFUSED) T DISCONNECT SWITCH (FUSED) "AF/AT" DENOTES SWITCH FRAME & TRIP RATING. SHUNT TRIP EPO PUSHBUTTON		CIRCUITRY TURNING UP CIRCUITRY TURNING DOWN LIGHTING EQUIPMENT LEGEND O LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION) LIGHT FIXTURE "A" INDICATES FIXTURE TYPE	FEEDER SECONDARY AMPS 208/120V OVERCURRENT 208/120V
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URAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHTS AND EXACT LOCATIONS OF ELECTRICAL EQUIPMENT SHALL BE INSTALLED ON 4" HIGH CONCRETE PADS. NCH CIRCUIT CONDUCTORS AND CONDUITS WERE SIZED FOR VOLTAGE DROP BASE TES. CONTRACTOR SHALL RESIZE CONDUCTORS AND CONDUITS TO ADJUST FOR DROP WHEN DEVIATING FROM MOST DIRECT ROUTE. MAXIMUM COMBINED VOLTAGE TEEDER AND BRANCH CIRCUIT SHALL NOT EXCEED 5%. THE MAXIMUM ON THE IRCUIT SHALL NOT EXCEED 3 %. LF LINEAR FOOT	50A-2P* 3 #6 & 1 #10 GND 3/4"C. 60A-2P* 3 #4 & 1 #10 GND 3/4"C. 208 OR 480 VOLTS, 3Ø, 3W. CIRCUITS 20A-3P 3 #10 & 1 #10 GND 3/4"C. 30A-3P 3 #10 & 1 #10 GND 3/4"C. 40A-3P 3 #8 & 1 #10 GND 3/4"C. 50A-3P 3 #6 & 1 #10 GND 3/4"C. 1000000000000000000000000000000000000	☐ □_ ^{AF/A}	T DISCONNECT SWITCH (FUSED) "AF/AT" DENOTES SWITCH FRAME & TRIP RATING. SHUNT TRIP EPO PUSHBUTTON T COMBINATION MANUAL MOTOR STARTER & DISCONNECT	A 13 a	O LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION) LIGHT FIXTURE "A" INDICATES FIXTURE TYPE	FEEDER
ELECTRICAL EQUIPMENT SHALL BE INSTALLED ON 4" HIGH CONCRETE PADS. ICH CIRCUIT CONDUCTORS AND CONDUITS WERE SIZED FOR VOLTAGE DROP BASE TES. CONTRACTOR SHALL RESIZE CONDUCTORS AND CONDUITS TO ADJUST FOR DROP WHEN DEVIATING FROM MOST DIRECT ROUTE. MAXIMUM COMBINED VOLTAGE TEEDER AND BRANCH CIRCUIT SHALL NOT EXCEED 5%. THE MAXIMUM ON THE IRCUIT SHALL NOT EXCEED 3 %. ABBREVIATIONS LF LINEAR FOOT	208 OR 480 VOLTS, 3Ø, 3W. CIRCUITS 20A-3P 3 #10 & 1 #10 GND 3/4"C. 30A-3P 3 #10 & 1 #10 GND 3/4"C. 40A-3P 3 #8 & 1 #10 GND 3/4"C. 50A-3P 3 #6 & 1 #10 GND 3/4"C. 60A-3P 3 #4 & 1 #10 GND 3/4"C. 120/208 & 277/480 VOLT, 3Ø,4W. CIRCUITS 20A-3P* 4 #10 & 1 #10 GND 3/4"C.		"AF/AT" DENOTES SWITCH FRAME & TRIP RATING. SHUNT TRIP EPO PUSHBUTTON T COMBINATION MANUAL MOTOR STARTER & DISCONNECT	A 13 a	LIGHT FIXTURE "A" INDICATES FIXTURE TYPE	
TES. CONTRACTOR SHALL RESIZE CONDUCTORS AND CONDUITS TO ADJUST FOR DROP WHEN DEVIATING FROM MOST DIRECT ROUTE. MAXIMUM COMBINED VOLTAG TEEDER AND BRANCH CIRCUIT SHALL NOT EXCEED 5%. THE MAXIMUM ON THE IRCUIT SHALL NOT EXCEED 3 %. ABBREVIATIONS LF LINEAR FOOT	D E 40A-3P 50A-3P 60A-3P 3 #6 & 1 #10 GND 3/4"C. 60A-3P 3 #4 & 1 #10 GND 3/4"C. 120/208 & 277/480 VOLT, 3Ø,4W. CIRCUITS 20A-3P* 4 #10 & 1 #10 GND 3/4"C.	L ⊣⊠ ^{AF/A}	T COMBINATION MANUAL MOTOR STARTER & DISCONNECT	a		
EEDER AND BRANCH CIRCUIT SHALL NOT EXCEED 5%. THE MAXIMUM ON THE IRCUIT SHALL NOT EXCEED 3%. ABBREVIATIONS LF LINEAR FOOT	60A-3P 3 #4 & 1 #10 GND 3/4"C. 120/208 & 277/480 VOLT, 3Ø,4W. CIRCUITS 20A-3P* 4 #10 & 1 #10 GND 3/4"C.	42	COMPLETE WITH THERMAL OVERLOAD PROTECTION.	ОО	"13" INDICATES CIRCUIT NUMBER "a" INDICATES SWITCH CONTROL	TAG
LF LINEAR FOOT	20A-3P* 4 #10 & 1 #10 GND 3/4"C.		"AF/AT" DENOTES SWITCH FRAME & TRIP RATING.			KVA PRIMARY
LF LINEAR FOOT			ELECTRIC HEATING COIL (P.O.S.) CONTROL PANEL FOR PACKAGED		LIGHTING FIXTURES INDICATED WITH SOLID HATCHING DENOTES	AMPS 480V OVERCURRENT
	40A-3P* 4 #8 & 1 #10 GND 3/4"C. 50A-3P* 4 #6 & 1 #10 GND 1"C.		EQUIPMENT (P.O.S.) PHOTOCELL		EMERGENCY/NIGHT LIGHTING. FIXTURES SHALL BE WIRED TO EMERGENCY SOURCE AND BE UNSWITCHED UNLESS	480V FEEDER
LV LOW VOLTAGE WITH DISABILITIES ACT AME MALLIAMPERE	60A-3P* 4 #4 & 1 #10 GND 1"C. NOTE: DOES NOT PERTAIN TO VOLTAGE DROPS		GROUND BUS		NOTED OTHERWISE. ILLUMINATED "EXIT" SIGN LIGHTING FIXTURE. CEILING MOUNTED OR WALL MOUNTED PROVIDE DIRECTIONAL	SECONDARY AMPS
HED CEILING MAX MAXIMUM HED FLOOR MCB MAIN CIRCUIT BREAKER HED GRADE MCC MOTOR CONTROL CENTER		e	ELECTRICAL EQUIPMENT CONNECTION (PROVIDE HOMERUN AS NECESSARY)	$\overrightarrow{\otimes}$ $\overrightarrow{\otimes}$	ARROWS AS INDICATED ON FLOOR PLANS. SHADING INDICATES QTY. AND LOCATION OF FACES	208/120V OVERCURRENT 208/120V
HAVING JURISDICTION MCP MOTOR CIRCUIT PROTECTOR IG UNIT MH MANHOLE ERRUPT CAPACITY MIN MINIMUM	POWER ONE-LINE LEGEND	DCP	DOOR CONTROL PANEL			FEEDER
MOA MULTI-OUTLET ASSEMBLY MTD MOUNTED DR MTS MANUAL TRANSFER SWITCH		DO	DOOR OPERATOR		COMMUNICATION DEVICES LEGEND	NOTES: 1. BOND NEUTRA
NITCH N NEUTRAL P UNIT N.C. NORMALLY CLOSED					TELEPHONE OUTLET, GAI-IRONICS PHONE, CGMP AREA	AS PER NATIO 2. GROUND THE STRUCTURAL
TRANSFER SWITCH NEC NATIONAL ELECTRICAL CODE NF NON-FUSED /IRE GAUGE NIC NOT IN CONTRACT	$\bigvee \bigcup^{\text{C.T.}} \text{VOLTAGE TRANSFORMERS}$			₩ ▼	TELEPHONE OUTLET (WALL MOUNTED) . COMBINATION TELEPHONE/DATA OUTLET. (1) PHONE NETWORK	3. ALL TRANSFO
N.O.NORMALLY OPENITOMATION SYSTEM№.NUMBERSHED CEILINGNTSNOT TO SCALE			WIRING DEVICES LEGEND	↓ ↓ BP	COMBINATION TELEPHONE/DATA OUTLET	
SHED GRADE PH PHASE PNL PANELBOARD	GF GROUND FAULT SENSOR & RELAY	P2N1A-#2	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE. "P2N1A-#2" DENOTES PANEL AND CIRCUIT NUMBER.	∇	BP DENOTES- (1) PHONE NETWORK PORT, (1) BUSINESS NETWORK PORT AND (1) PROCESS NETWORK PORT. DATA OUTLET, BUSINESS NETWORK	
PRI PRIMARY PVC POLYVINYL CHLORIDE	AS AMMETER SWITCH	AC =	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX	\[\] → AP	WIRELESS ACCESS POINT	FEEDER CC
AKER R REMOVE CUIT TELEVISION RECP RECEPTACLE RGSC RIGID GALVANIZED STEEL CONDUIT	AMMETER VS VOLTMETER SWITCH	● ●	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DOUBLE DUPLEX	v AC	COMBINATION TELEPHONE/DATA OUTLET (MOUNTED ABOVE COUNTER)	SYMBOL 3 1 3#12 &
RR REMOVE AND REPLACE		GFI	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX	∀ H	DATA HISTORIAN OUTLET	2
SEC SECONDARY SF SUPPLY FAN NT SQFT SQUARE FOOT			RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT INTERRUPTOR.	S	PA SYSTEM WALL MOUNTED SPEAKER	3 3#10 & 4
ROW S.S. STAINLESS STEEL ST SINGLE THROW	**AF "AF" - INDICATES AMPERE FRAME SIZE **AF "AT" - INDICATES AMPERE TRIP SETTINGS	WP/GFI ⊖=	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT INTERRUPTOR & WEATHERPROOF COVER.	(<u>s</u>)	PA STOLEM GEILING MOUNTED SPEAKER	5 3#8 & 1 6
SWBD SWITCHBOARD CONTRACTOR SWGR SWITCHGEAR	MOLDED CASE CIRCUIT BREAKER **AF "AF" - INDICATES AMPERE FRAME SIZE	Р	POWER POLE, WIREMOLD CAT #25DTP-412			7 3#6 & 1 8
TEL TELEPHONE METALLIC TUBING TTB TELEPHONE TERMINAL BOARD	**AF "AT "AT" - INDICATES AMPERE TRIP SETTINGS		SINGLE POLE RECEPTACLE SPECIAL RECEPTACLE			9 3#4 & 1 10
Y POWER OFF TYP TYPICAL ATER COOLER UON UNLESS OTHERWISE NOTED	400A SWITCH AND FUSE "400A" - INDICATES AMPERE SWITCH SIZE "300A" - INDICATES AMPERE FUSE SIZE	s _b	SINGLE POLE TOGGLE SWITCH "b" DENOTES SWITCH CONTROL	CR DS	CARD READER DOOR STRIKE	11 3#3 & 1
V VOLTS IIT VFD VARIABLE FREQUENCY DRIVE		S 3	THREE WAY TOGGLE SWITCH		MAGNETIC LOCK EMERGENCY DOOR RELEASE. MUSHROOM HEAD BLACK,	12 13 3#1 & 1
GE NON-REVERSING W WATTS	SYSTEM GROUND OR EQUIPMENT GROUND	S OC	WALL-MOUNTED COMBINATION OCCUPANCY SENSOR & TOGGLE SWITCH	PB	PUSH BUTTON, DOOR RELEASE	14 15 3#1/0 8
ULT INTERRUPTER WEATHERPROOF		SM	MOTOR RATED SNAP SWITCH/DISCONNECT	SR	MOTION SENSOR RELEASE	16 17 3#1/0 8
XP EXPLOSION PROOF			5/10/15/30 MINUTE SETTINGS		CCTV SECURITY CAMERA, CEILING MOUNTED OR PENDANT.	18 19 3#2/0 8
ER 2P TWO POLE 3P THREE POLE					CCTV SECURITY CAMERA, WALL MOUNTED	
OX 1Ø SINGLE PHASE 3Ø TRIPLE PHASE					DENOTES- INTERLOCKING BETWEEN DOORS. REFER TO DRAWING 85-1-4701-E-6 FOR DOOR INTERLOCK TABLE	22
AMPERE		T	EXTENDED RANGE, 360°. (SENSOR SWITCH # RM-PDT-10 OR EQUIVALENT.)	Ť.	LOCAL ALARM AND LIGHT	23> 3# 4/0 8 24>
	DMD DIGITAL POWER METER AND MONITORING DEVICE	(c)	CLOCK RECEPTACLE			25 3-250 k 26
PROVIDE PENDANT WHERE HUNG CEILING	ETU ELECTRONIC TRIP UNIT WITH DIGITAL COMMUNICATION.					27> 3-350 k
OR STRUCTURE EXCEEDS 8'-6"	GDR GENERATOR DIGITAL PROTECTIVE METERING AND MONITORING RELAY.		BUILDING GROUNDING GRID LEGEND			29 3-500 k
FIRE ALARM AUDIO/VISUAL DEVICES	K KEY INTERLOCK CS CONTROL SWITCH WITH TRIP (T) AND CLOSE (C)	\bigcirc	GROUND ROD			31 3-600 k
	C T OR LOCAL (L) AND REMOTE (R)	\bigcirc	GROUND TEST WELL			32 > 33 6-250 K
•	ELECTRICALLY MOTOR OPERATED		GROUNDING CABLE			34 35 6-350 k
WALL TELEPHONE		~O	BOLTED BONDING CONNECTION			36 37 6-600 k
FIRE ALARM PULL STATION		SGR	STATIC GROUND REEL			38 39 9-400 k
						40
						41> 9-600 k 42>
S SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE						43 12-600 44 1
	MOA MULT-OUTLET ASSEMBLY MTS MANUAL TRANSFER SWITCH NT N.C. NORMALY CLOSED NATIONALE ELECTRICAL CODE NT N.C. NOTIN CONTRACT NO. NORMALY QUESD E GAUGE NIC NOT IN CONTRACT NO. NORMALY OPEN MATION SYSTEM D GRADE PH PH PASE PNL PAASE PNL PAASE NO NOR DETECTOR SCONDARY SC SCONDARY SC SCONDARY V SS STANLESS STEEL SUMAE FOOT SS SAFT SUMAE NOT SS SAFT SUMAE NTRACTOR SWGR SWITCHOARD NTRACTOR SWGR SWITCHOARD NTRACTOR SWGR SWITCHOARD NURES STEEL SUMAE FROME NON-REVERSING V VOLTS V VE VERTY IN FIELD INTERRUPTER NON-REVERSING V VERTY IN FRED PROTECTON SID CONDUT P ONE POLE 30 SINUE PHASE 30 SINUE PHASE 10 SINUE PHASE 10 SINUE PHASE 10 SINUE PHASE 10 SINUE PHASE 10 SINUE PHASE PROTECTON FIRE ALARM AUDIONISUAL DEVICES PRE VALL TELEPHONE FIRE ALARM AUDIONISUAL DEVICES PRE PROTECTOR PROVED FLOOR PAASE PRE PROTECTOR PROVED FLOOR PROVED PLOOR PAASE PRE PROVENTING PROVED PLOOR PROVED PLOOR PAASE PRE PROVENTING PROVED PLOOR PROVED PLOOR PROVENTING PROVIDE PLOOR PROVENTING PROVIDE PLOOR PROVENTING PROVIDE PLOOR PLASE PROVENTING PROVIDE PLOOR PLASE	Note: Status Number Status Number Status PORPET TRANSPORTATION Number Status Number Status Number Status PORPET TRANSPORTATION Number Status Number Status <td>Image: Status in the sector sector in the sector sector in the sector sector sector in the sector sector sector in the sector</td> <td>Image: Market Bander Bander Image: Market Bander Bander Image: Market Bander Image: Market Bander</td> <td></td> <td></td>	Image: Status in the sector sector in the sector sector in the sector sector sector in the sector sector sector in the sector	Image: Market Bander Bander Image: Market Bander Bander Image: Market Bander Image: Market Bander		

ORIGINAL SHEET - ANSI E (34"x44")

5 3	SCHEDULE
RCI	JITS
	CONDUCTOR
	2 #10 & 1 #10 GND 3/4"C.
	2 #8 & 1 #10 GND 3/4"C.
	2 #6 & 1 #10 GND 3/4"C.
	2 #4 & 1 #10 GND 3/4"C.
ITS	3
	2 #10 & 1 #10 GND 3/4"C.
	2 #10 & 1 #10 GND 3/4"C.
	2 #8 & 1 #10 GND 3/4"C.
	2 #6 & 1 #10 GND 3/4"C.
	2 #4 & 1 #10 GND 3/4"C.
CUI	TS
	3 #10 & 1 #10 GND 3/4"C.
	3 #10 & 1 #10 GND 3/4"C.
	3 #8 & 1 #10 GND 3/4"C.
	3 #6 & 1 #10 GND 3/4"C.
	3 #4 & 1 #10 GND 3/4"C.
RC	CUITS
	3 #10 & 1 #10 GND 3/4"C.
	3 #10 & 1 #10 GND 3/4"C.
	3 #8 & 1 #10 GND 3/4"C.
	3 #6 & 1 #10 GND 3/4"C.
	3 #4 & 1 #10 GND 3/4"C.
CI	RCUITS
	4 #10 & 1 #10 GND 3/4"C.
	4 #10 & 1 #10 GND 3/4"C.
	4 #8 & 1 #10 GND 3/4"C.
	4 #6 & 1 #10 GND 1"C.
	4 #4 & 1 #10 GND 1"C.

ND

E SIZE	
ETTINGS	

E SIZE ETTINGS

CE

	EQUIPMENT LEGEND
	120/208 VOLT, 3Ø, 4 WIRE PANEL
	277/480 VOLT, 3Ø, 4 WIRE PANEL
2N1A-#2 J	JUNCTION AND/OR PULL BOX, CEILING/EQUIPMENT MOUNTED "P2N1A-#2" DENOTES PANEL AND CIRCUIT NUMBER.
$\vdash \textbf{J}$	JUNCTION AND/OR PULL BOX, WALL MOUNTED
\sim J	JUNCTION AND/OR PULL BOX, WITH FLEX CONNECTION TO EQUIPMENT
5	MOTOR NUMERAL INDICATES HORSEPOWER RATING
S	MAGNETIC MOTOR STARTER
VFD	VARIABLE SPEED SWITCH
□」NF	DISCONNECT SWITCH (UNFUSED)
AF/AT	DISCONNECT SWITCH (FUSED) "AF/AT" DENOTES SWITCH FRAME & TRIP RATING.
$\widehat{\Box}$	SHUNT TRIP EPO PUSHBUTTON
L∭ AF/AT	COMBINATION MANUAL MOTOR STARTER & DISCONNECT COMPLETE WITH THERMAL OVERLOAD PROTECTION. "AF/AT" DENOTES SWITCH FRAME & TRIP RATING.
	ELECTRIC HEATING COIL (P.O.S.)
CP	CONTROL PANEL FOR PACKAGED EQUIPMENT (P.O.S.)
PC	PHOTOCELL
	GROUND BUS
e	ELECTRICAL EQUIPMENT CONNECTION (PROVIDE HOMERUN AS NECESSARY)
DCP	DOOR CONTROL PANEL
DO	DOOR OPERATOR

WIRING DEVICES LEGEND

P2N1A-#2 AC	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE. "P2N1A-#2" DENOTES PANEL AND CIRCUIT NUMBER AC DENOTES- RECEPTACLE MOUNTED ABOVE COUNTER
	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER.
—	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DOUBLE DUPLEX RECEPTACLE.
GFI	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT INTERRUPTOR.
WP/GFI ⊖=	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT INTERRUPTOR & WEATHERPROOF COVER.
Р	POWER POLE, WIREMOLD CAT #25DTP-412
\ominus	SINGLE POLE RECEPTACLE
\bigcirc	SPECIAL RECEPTACLE
s b	SINGLE POLE TOGGLE SWITCH "b" DENOTES SWITCH CONTROL
S 3	THREE WAY TOGGLE SWITCH
S OC	WALL-MOUNTED COMBINATION OCCUPANCY SENSOR & TOGGLE SWITCH
SM	MOTOR RATED SNAP SWITCH/DISCONNECT
s _T	ELECTRONIC WALL MOUNTED PRE-SET TIMER WITH 5/10/15/30 MINUTE SETTINGS
PP	LIGHTING POWER PACK
OC	OCCUPANCY SENSOR
	RETRACTABLE CORD REELANCY SENSOR, RECESSED MOUNTED, EXTENDED RANGE, 360°. (SENSOR SWITCH # RM-PDT-10 OR EQUIVALENT.) CLOCK RECEPTACLE
	BUILDING GROUNDING GRID LEGEND

	BUILDING GROUNDING GRID LEGEND
\bigcirc	GROUND ROD
\bigcirc	GROUND TEST WELL
— G —	GROUNDING CABLE
TTT /	EXOTHERMIC BONDING CONNECTION
~0	BOLTED BONDING CONNECTION
SGR	STATIC GROUND REEL

	CIRCUITRY, RACEWAYS
	AND FEEDERS LEGEND
P2N1A-#1,3,5	HOMERUN TO PANEL "P2N1A", CIRCUIT #1,3,5 (VIA 20A- 1P C/B'S). REFER TO PANEL SCHEDULES FOR BRANCH CIRCUIT SIZES (I.E. CONDUCTORS CONDUIT)
P2N1A-2 60A-3P*	HOMERUN TO PANEL "P2N1A", CIRCUIT #2 VIA 60A-3P* CIRCUIT BREAKER. REFER TO "BRANCH CIRCUITS SCHEDULE" OR "LEGEND OF FEEDER SIZES-COPPER CONDUCTORS" THIS DRAWING FOR CONDUCTOR QUANTITIES AND CONDUIT SIZES. (NOTE - (*)ASTERICK INDICATES NEUTRAL CONDUCTOR REQUIRED IN CIRCUIT).
0	CIRCUITRY TURNING UP
o	CIRCUITRY TURNING DOWN
(REFER TO	LIGHTING EQUIPMENT LEGEND LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION)
A 13 a O O O O O O O O O O O O O O O O O O O	LIGHT FIXTURE "A" INDICATES FIXTURE TYPE "13" INDICATES CIRCUIT NUMBER "a" INDICATES SWITCH CONTROL
	LIGHTING FIXTURES INDICATED WITH SOLID HATCHING DENOTES EMERGENCY/NIGHT LIGHTING. FIXTURES SHALL BE WIRED TO EMERGENCY SOURCE AND BE UNSWITCHED UNLESS NOTED OTHERWISE. ILLUMINATED "EXIT" SIGN LIGHTING FIXTURE. CEILING MOUNTED OR WALL MOUNTED PROVIDE DIRECTIONAL ARROWS AS INDICATED ON FLOOR PLANS. SHADING INDICATES QTY. AND LOCATION OF FACES
	COMMUNICATION DEVICES LEGEND
\blacksquare	TELEPHONE OUTLET, GAI-IRONICS PHONE, CGMP AREA
₩	TELEPHONE OUTLET (WALL MOUNTED)
₹	COMBINATION TELEPHONE/DATA OUTLET. (1) PHONE NETWORK PORT AND (1) BUSINESS NETWORK PORT
₩ BP	COMBINATION TELEPHONE/DATA OUTLET BP DENOTES- (1) PHONE NETWORK PORT, (1) BUSINESS NETWORK PORT AND (1) PROCESS NETWORK PORT.
\bigtriangledown	DATA OUTLET, BUSINESS NETWORK
\bigtriangledown AP	WIRELESS ACCESS POINT
√ AC	COMBINATION TELEPHONE/DATA OUTLET (MOUNTED ABOVE COUNTER)
\bigtriangledown H	DATA HISTORIAN OUTLET
S	PA SYSTEM WALL MOUNTED SPEAKER
S	PA SYSTEM CEILING MOUNTED SPEAKER
SECURITY	& DOOR INTERLOCK LEGEND
CR	CARD READER
DS	DOOR STRIKE
DL	MAGNETIC LOCK
$\stackrel{\frown}{\Box}$	EMERGENCY DOOR RELEASE. MUSHROOM HEAD BLACK, PUSH/PULL TWIST.
PB	PUSH BUTTON, DOOR RELEASE
SR	MOTION SENSOR RELEASE
DC	DOOR CONTACT
PTZ	CCTV SECURITY CAMERA, CEILING MOUNTED OR PENDANT.
	PTZ DENOTES- PAN, TILT & ZOOM
	CCTV SECURITY CAMERA, WALL MOUNTED

9 8

DRY TYPE TRANSFORMER SCHEDULE TAG T1 T2 T4 Т3 KVA 9 15 30 45 PRIMARY 11 36 18 54 AMPS 480V 20A-3P 30A-3P 60A-3P 90A.-3P OVERCURRENT 480V 3#3 & 1#8 GND 3#12 & 1#12 GND 3#10 & 1#10 GND 3#6 & 1#10 GND FEEDER - 1 1/4" C. - 3/4" C. - 3/4" C. - 3/4" C. SECONDARY 42 125 25 83 AMPS 208/120V 40A-3P 150A-3P 50A-3P 100A-3P OVERCURRENT 4#1/0 & 1#6 GND 4#8& 1#10 GND 4#6 & 1#10 GND 4#1,& 1#8 GND 208/120V FEEDER - 3/4" C. - 1" C. - 1 1/2"C. - 1-1/2" C. DRY TYPE TRANSFORMER SCHEDULE ТЛС _____ PRIMA

TAG	T5	Т6	Τ7	Т8
KVA	75	112 1/2	150	225
PRIMARY AMPS	90	135	181	271
480V OVERCURRENT	125A-3P	200A-3P	300A-3P	400A-3P
480V FEEDER	3#1/0 & 1#6 GND - 1 1/2"C.	3#3/0 & 1#6 GND - 2"C	3-350 KCMIL & 1#4 GND - 3"C.	3-500 KCMIL & 1#3 GND - 3"C.
SECONDARY AMPS	208	313	417	625
208/120V OVERCURRENT	225A-3P	400A-3P	500A-3P	800A-3P
208/120V FEEDER	4#250 KCMIL & 1#4 GND - 3"C.	4-500 KCMIL & 1#3 GND - 4"C.	8-250 KCMIL & 2#2 GND - (2)3"C.	8-500 KCMIL & 2#1/0 GND- (2)4"C.

1. BOND NEUTRAL OF TRANSFORMER SECONDARY TO THE TRANSFORMER CASE WITH BONDING JUMPER AS PER NATIONAL ELECTRIC CODE.

2. GROUND THE CASING OF THE TRANSFORMER TO THE NEAREST AVAILABLE EFFECTIVELY GROUNDED STRUCTURAL STEEL AS PER NATIONAL ELECTRIC CODE.

3. ALL TRANSFORMERS ARE "K" RATED IN ACCORDANCE WITH SPECIFICATIONS.

	LEGEND OF F	EEDER SIZES	S-COPPER CONDUCTORS				
FEEDER SYMBOL	CONDUCTORS (3 PHASE, 3 WIRE) WITH GROUND	RACEWAY SIZE	CONDUCTORS (3 PHASE, 4 WIRE) WITH GROUND	RACEWAY SIZE	NOMINAL AMPERE RATING		
1	3#12 & 1#12 GND.	3/4"					
2			4#12 & 1#12 GND.	3/4"	20		
3	3#10 & 1#10 GND.	3/4"					
4			4#10 & 1#10 GND.	3/4"	30		
5	3#8 & 1#10 GND.	3/4"			40		
6			4#8 & 1#10 GND.	3/4"	40		
7	3#6 & 1#10 GND.	1"			50		
8			4#6 & 1#10 GND.	1"	50		
9	3#4 & 1#8 GND.	1"			60		
10>			4#4 & 1#8 GND.	1 1/4"			
11	3#3 & 1#8 GND.	1 1/4"			70		
12			4#4 & 1#6 GND.	1 1/4"	70		
13	3#1 & 1#6 GND.	1 1/4"			100		
14			4#1 & 1#6 GND.	1 1/2"	100		
15	3#1/0 & 1#6 GND.	1 1/2"		4 4 4 6 11	125		
16			4#1/0 & 1#6 GND.	1 1/2"			
17>	3#1/0 & 1#6 GND.	1 1/2"			150		
18			4#1/0 & 1#6 GND.	2"			
20	3#2/0 & 1#6 GND.	2"	4#2/0 & 1#6 CND		175		
20	3#3/0 & 1#6 GND.	2"	4#2/0 & 1#6 GND.	2"			
21	3#3/0 & 1#0 GND.	2	4#3/0 & 1#6 GND.	2"	200		
23	3# 4/0 & 1#4 GND.	2"		2			
24		2	4#4/0 & 1#4 GND.	2 1/2"	225		
25	3-250 KCMIL & 1#4 GND.	2 1/2"					
26			4-250 KCMIL & 1#4 GND.	3"	250		
27	3-350 KCMIL & 1#4 GND.	3"					
28			4-350 KCMIL & 1#4 GND.	3"	300		
29	3-500 KCMIL & 1#3 GND.	3"			050		
30			4-500 KCMIL & 1#3 GND.	3 1/2"	350		
31	3-600 KCMIL & 1#3 GND.	3 1/2"			400		
32			4-600 KCMIL & 1#3 GND.	4"	400		
33	6-250 KCMIL & 2#2 GND.	2-2 1/2"			500		
34			8-250 KCMIL & 2#2 GND.	2-3"	500		
35	6-350 KCMIL & 2#1 GND.	2-3"			600		
36			8-350 KCMIL & 2#1 GND.	2-3"	000		
37	6-600 KCMIL & 2#1/0 GND.	2-3 1/2"			000		
38			8-600 KCMIL & 2#1/0 GND.	2-4"	800		
39	9-400 KCMIL & 3#2/0 GND.	3-3"			1000		
40			12-400 KCMIL & 3#2/0 GND.	3-3"	1000		
41	9-600 KCMIL & 3#3/0 GND.	3-3 1/2"			1200		
42			12-600 KCMIL & 3#3/0 GND.	3-4"	1200		
43	12-600 KCMIL & 4#4/0 GND.	4-4"			1600		
44			16-600 KCMIL & 4#4/0 GND.	4-4"	4-4"		

	Stai	nte	9C
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