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GE	NERAL:											THE CONTR,				
A.	THE "GENER A201, LATE THIS CONTR	ST EDITIC						•				PARTS OF T SAME. THE C BEFORE FIN WORK INSTA	CONTRAC	TOR SHAL	L PAY ALL ERTIFICATE	L COSTS
B.	ALL APPLIC ANY PORTI									З.	SHO	OP DRAWING	5			
	OF THESE S CONTRACT OF ANY WO REGULATIO SHALL BE O	OR WHO DRK OR M DNS. ANY M	SHALL INFO IATERIAL M NORK DON	ORM THE NHICH VIC NE BY THE	OWNER, P PLATES AN E CONTRAC	RIOR TO Y OF TH	O SUBMITT E ABOVE	ING A PRO LAMS ANI	OPOSAL, D		A.	PRIOR TO T CONTRACTO OF ALL NEM SEQUENCE O	OR SHALL NAND EXI	. PROVIDE STING EQL	E COMPLET JIPMENT, IN	TE SETS IDICATIN
C.	INVESTIGAT NECESSAR SIZE SUITAE FROM BUIL	Y, EQUIPM BLE FOR N	ENT SHALI 10VING TH	L BE SHIP HROUGH A	PED FROM	1 MANUF RESTR	ACTURER	IN SECTIO	ONS OF CERTAIN		B.	INDICATE ON				MITTED:
	MOVED TH											 2) NAME (
D.	DRAWINGS SYSTEMS A	ND WORK	K. CONDUIT	T ROUTING	S IS SHOWN			ALLY AND				3) ITEM IDE	ENTIFICAT	ION		
	NOT SHOW ALLOW IN H COORDINA	IS PRICE	FORROUT	TING OF C	ONDUIT TO	D AVOID	OBSTRUC	CTIONS.				4) APPRO	VAL STAM	1P OF PRI	ME CONTR	ACTOR
	REQUIRED.				•				LU, 10		C.	SUBMISSION	5:			
	INSTALL WC AND REPAI THIS, BUT C APPROVAL	R. MINOR HANGES I 	DEVIATIO NHICH INVO	NS FROM OLVE EXT	DRAWING: RA COST :	5 MAY E SHALL N	BE MADE 1 NOT BE MA	TO ACCON ADE WITHO	1PLISH DUT			OTHERM THE OR	IE CONTR NISE, HE S IGINAL AN	ACTOR SHOHALL SUB ND ONE CO	OR SMALL HALL SUBM MIT THREE OPY (TWO (OG CUTS S	IIT ONE (COPIES COPIES I
F.	REMOVAL THE PERFO COMPLETE SITE AND IN PROPOSAL	DRMANCE LY DETAIL NCLUDE A	OF THE G	ENERAL M HE DRAMIN	NORK. ALL NGS. THE C	EXISTIN ONTRA	G CONDIT	IONS CAN	NOT BE				O THE AR		THE ARCHI	
G.	CONNECTIC	DNS TO E>							ISTING		D.	SUBMIT SHC	P DRAWI	NGS FOR	THE FOLLC	OWING:
	MORK WITH SHUTDOWN	S OF EXIS	TING SERV	VICES SHA	ALL BE PER	RFORME	ED AT NO	ADDITION				1) SMITCHE	5			
	CHARGES, FACILITIES SYSTEMS S	AND ONL	Y WITH MR	ITTEN CON	NSENT OF	OWNER.	ALARM A	ND EMER	GENCY			2) FUSES				
	EXISTING F	ACILITIES	AS REQUIR	RED WITH	NECESSAR		ORARYC	ONNECTIC	DNS			3) CIRCUIT4) PANELB				
	AND ACCER CONDITION								NAL			5) TRANSF				
н.	DISCONNEC											6) RACEWA				
I.	THE CONTR											7) MIRE AN	ID CABLE	Ē		
	OF THE BUI PAVEMENTS	LDING, E>	(TERIOR S	PACES AN	IDALDA DI	ENT STR	REETS, SID	EMALKS A	AND			8) MALL SH	NITCHES			
	OF THIS WO				L NOT BE F	PERMITI	TED TO AC	CUMULAT	E EITHER			9) INSERTIC	ON RECEF	PTACLES		
J.	SEAL OPEN					D FLOC	RS WITH N	1INERAL 1	NOOL			10) MOMEN	TARY COI	NTACT SM	ITCHES	
ĸ	OR OTHER					RELAGE	HING TO M	ΔΙΝΤΔΙΝ Τ	ЧF			11) TIME SM	ITCHES			
1~.	WATERPRO OR REMOV	OFING IN		OF THE BU	ILDING AS	REQUIR	ED BY TH	E INSTALL	ATION			12) TRANSF	ER SMITC	HES		
	REQUIRED.											13) SURFAC			•	
L.	ALL EXISTIN UNDER THIS THE EXCEP BUILDING R	5 CONTRA TION OF 9 REPRESEN	CT SHALL SPECIFIC E TATIVE, AN	. BECOME EQUIPMENT RCHITECT	THE PROF AND APP OR AS NO	PERTY C ARATUS DTED TC	DF THE CO REQUEST DE RELO	NTRACTO ED BY TH CATED O	PR WITH HE N THE	4.	AS	14) LIGHTING -BUILT DRAM UPON COMF	INGS AND	EQUIPME		
M.	DRAWINGS CONTRACT THE CONTR PERFORMA	OR. RACTOR'S	PROPOSA	AL FOR A	LL WORK S	5HALL E	BE PREDIC	ATED ON	THE		,	OWNER THE	PROPER	NS AND EC	QUIPMENT N ON AND M	, MANUALS AINTENAI
	DIRECTED, HOURS AND THE "PREM	D THE ADI IUM" PORT	DITIONAL C FION OF TH	COST TO E HE WAGES	BE CHARG 9 PAID.	ED THE	REFORE S	HALL BE	ONLY		B.	THESE INSTR THREE RING THREE COPI ENGINEER.	BINDERS	5 WITH CLE	EAR ACETA	TE COV
N.	UNLESS OT PATCHING EXISTING B CONDITION	OF EXISTI UILDING. 1	NG FLOOF	RS, WALLS	, PARTITIC	NS AND	OTHER M	1ATERIALS	5 IN THE			THE INSTRUC NUMBER OF	THE PRO	DJECT, ARG	CHITECT AN	ND ENGI
	ALL MATER SHALL BE I	N ACCOR	DANCE MI	TH BUILDIN	NG STAND,	ARDS.				E		INSTALLED (TO THE ARC	CONDITIO CHITECT A	NS OF THE FTER CON	E WORK. "A 1PLETION (S-BUILT OF THE I
۳.	SUBMISSION EXAMINATIC AFFECT TH	ON OF THE	E PORTION	NS OF THE	E EXISTING	BUILDIN	IG, EQUIPM	IENT, ETC	., MHICH	J.		SPECIFICATI				
	THE CONTR WILL AFFECT INDICATE A FIELD CONT	RACTOR IS CT THE EX NY DISCR DITIONS P	5 FAMILIAR ECUTION C EPANCIES RIOR TO S	R WITH EXI OF THE WO BETWEEN SUBMITTA	STING CON DRK. THE C I THE CONT L OF BID. 9	NDITIONS CONTRA FRACT I SUBMISS	5 AND DIF CTOR IS R DRAWINGS 510N OF A	FICULTIES ESPONSIE AND ACT PROPOS	THAT BLE T <i>O</i> VAL AL WILL		B.	WORDS OR "PROVIDE," DEFINITIONS	"A," "THE,			
	BE CONSTR CLAIMS SH, BECAUSE C DURING SUC CONDUIT (S	ALL NOT I DF DIFFICL CH AN EX/	BE MADE I ILTIES ENC AMINATION	FOR LABO COUNTERE N. THE ON-	OR, EQUIPN D MHICH C SITE INSPE	1ENT OF OULD H CTION S	R MATERIA AVE BEEN	LS REQUI	RED En			SPECIFIC	ND REGUL CALLY <i>O</i> 1	LAR OPER THERWISE	ATION THE NOTED.	PARTIC
Q.	INSURANCE HOLD HARI						TS AND SH	IALL INCL	UDE A			 2) "INSTALI ACCESS 3) "FURNISH 	ORIES.	·		
R.	THE FINAL , HIS EQUIPM THE REQUIF ALL THE RE	ENT, TEST REMENTS	ED THE V OF THE DF	ARIOUS S` RAWINGS	YSTEMS, D AND SPEC	EMONS ⁻ IFICATIC	TRATED TH DNS AND H	HAT IT FUL IAS FURNIS	FILLS			COMPLE 4) "WORK":	ETE WITH 1 LABOR, ORIES AN	RELATED , MATERIA	ACCESSOF	RIES. 1ENT, AF
	OPE OF WOF											5) "WIRING"	": RACEM	IAY, FITTIN	IGS, WIRE,	BOXES ,
A.	SCOPE OF SERVICES, CONFORMI APPLICABL	AND FEES TY WITH T .E INDUSTI	NECESSA HE NATION RY, NATIOI	RY FOR (NAL ELECT NAL AND	COMPLETE TRICAL CO LOCAL CO	AND SA DE (NEC DES AN	AFE INSTAL C) AND AL ID AUTHOR	LATION II L OTHER RITIES HAV	N			TRENCH	ED SPACI IES, IN CR	ES, WITHIN AML SPAC	DOUBLE F CES, OR IN	ARTITIO ENCLOS
В.		RACTOR S	HALL FUR	NISH A MF	RITTEN GUA		E TO REPL	ACE OR F				7) "EXPOSI ABOVE.				
	PROMPTLY WORKMANS THE DATE O USE OF EQU VARIOUS P	SHIP AND OF FINAL UIPMENT (EQUIPMEN CERTIFICA DR OCCUP	IT IN MHICH TE FOR F ANCY OF	H DEFECTS PAYMENT A SPACES B	DEVEL ND/OR ND/OR	.OP WITHIN FROM DA R INCLUD	NONE YEA ATE OR AC ED UNDER	R FROM CTUAL 2 THE		C.	8) "SIMILAR EFFICIEN TEMPORAR" SYSTEMS A	NCY OF S Y LIGHT A	PECIFIED I	PRODUCT. R: PROVII	DE TEMF
	VARIOUS P DONE AS D WHERE DEF EXPENSES AFFECTED THE CONTR	PIRECTED FECTS OC INCURRED BY DEFEC	BY THE O CUR, THE O IN REPAIR	WNER. THI CONTRAC RING AND	IS GUARAN TOR WILL REPLACIN	ASSUME	ALL ALSO RESPONS K OF OTH	PROVIDE BIBILITY F ER TRADI	THAT OR ALL ES			OWNER. PR	NTS OF A ION AS S OURS OF	LL TRADE OON AS P ALL TRAI	S AS HERE HYSICALLY DES. COST	EIN DESC 7 POSSIE 7 OF ENE

C. THE CONTRACTOR SHALL GIVE NECESSARY NOTICE, FILE DRAWINGS AND SPECIFICATIONS WITH ALL DEPARTMENTS HAVING JURISDICTION, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THIS WORK AND PAY ALL FEES THEREFORE.

1) QUALITY AND GAUGE OF MATERIALS: NEW, BEST OF THEIR RESPECTIVE KINDS,

D. QUALITY ASSURANCE

CTION AND TESTS OF ANY OR ALL ORITIES AND PAY ALL CHARGES FOR 5 FOR, AND FURNISH TO THE OWNER ESSARY AS EVIDENCE THAT THE TIONS WHERE THEY APPLY TO THIS

PROCUREMENT OF EQUIPMENT, OF COORDINATED SHOP DRAWINGS NG CAPACITY, DIMENSIONS AND OVAL BY THE ARCHITECT AND

THE SUBMISSION IS A CATALOG CUT, ORIGINAL AND TWO COPIES. . THE ARCHITECT WILL FORWARD WHEN NO ORIGINAL IS RECEIVED) TO BE COMPLETE.

JBMIT TWO PRINTS AND ONE PAPER ILL FORWARD ONE PRINT AND THE

HEDULES, AND CATALOG CUTS).

INSTRUCTIONS

CONTRACTOR SHALL FURNISH S AND DEMONSTRATE TO THE NCE OF ALL EQUIPMENT AND

2 IN. X 11 IN. PAPER AND BOUND IN ERS. CONTRACTOR SHALL GIVE NNER AND ONE COPY TO THE

ME, ADDRESS AND TELEPHONE NEER

PROVIDED INDICATING THE AS " DRAWINGS SHALL BE PROVIDED INSTALLATION.

INCLUDE INCOMPLETE SENTENCES. OR SHALL," "SHALL BE," "FURNISH," ITTED FOR BREVITY.

ECT UP COMPLETE AND READY FOR CULAR WORK REFERRED TO UNLESS

COMPLETE WITH RELATED

URE, ACQUIRE AND DELIVER

PPARATUS, CONTROLS, FOR PROPER AND COMPLETE

AND RELATED ITEMS.

OTHER CONSTRUCTION, INSTALLED ONS OR HUNG CEILINGS, IN SURES.

OR "CONCEALED" AS DEFINED

WEIGHT, SIZE, DESIGN AND

PORARY LIGHT AND POWER HE CONSTRUCTION AREAS FOR THE CRIBED. EXTEND SYSTEMS TO NEW BIBLE. MAINTAIN SYSTEM DURING

ERGY WILL BE PAID FOR BY INCLUDING LAMPS AND SOCKETS. FREE FROM DEFECTS AND LISTED BY UNDERWRITERS LABORATORIES, INC., OR OTHER NATIONALLY APPROVED TESTING AGENCY AND BEARING THEIR LABEL. MATERIALS AND EQUIPMENT OF SIMILAR APPLICATION SHALL BE OF SAME MANUFACTURER, EXCEPT AS NOTED.

- 2) GUARANTEE: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED AS DEFINED IN PARAGRAPH 2.C.
- 3) CURRENT CHARACTERISTICS:
- a. SERVICE: 265/460 VOLT (AND 120/208 VOLT), 3 PHASE, 4 WIRE, 60 HERTZ WITH GROUNDED NEUTRAL.
- b. DISTRIBUTION: 265/460 VOLT (AND 120/208 VOLT), 3 PHASE, 4 WIRE, 60 HERTZ WITH GROUNDED NEUTRAL.

4) HEIGHTS OF OUTLETS:

- a. FROM FINISHED FLOOR TO CENTERLINE OF DEVICE FOR:
- MOTOR CONTROLLERS: 5 FT-0 IN.
- STROBE LIGHTS: 6 FT-8 IN. OR 6 IN. BELOW CEILING (WHICHEVER IS LOWER)
- GONGS AND HORNS: 7 FT-6 IN.
- FIRE ALARM PULL STATIONS: 4 FT-O IN.
- b. EXCEPTIONS: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, ON MOLDING OR BREAK IN WALL SURFACE, IN VIOLATION OF CODE, OR AS NOTED OR DIRECTED.
- E. PRODUCT DELIVERY, STORAGE AND HANDLING
- 1) MOVING OF EQUIPMENT: WHERE NECESSARY, SHIP IN CARTED SECTIONS OF SIZE TO PERMIT PASSING THROUGH AVAILABLE SPACES.
- 2) ACCESSIBILITY: FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS SHALL BE PERMITTED. CHANGES OF MAGNITUDE OR INVOLVING EXTRA COST ARE NOT PERMISSIBLE WITHOUT REVIEW. GROUP CONCEALED ELECTRICAL EQUIPMENT REQUIRING ACCESS WITH EQUIPMENT FREELY ACCESSIBLE THROUGH ACCESS DOORS.

F. MATERIALS

- 1) NAMEPLATES: PROVIDE BLACK LAMICOID SHEET WITH 3/4 IN. WHITE LETTERING, FASTENED WITH EPOXY CEMENT FOR EACH DISCONNECT SWITCH, CIRCUIT BREAKER, PANEL, CABINET, TRANSFORMER, ENCLOSURE, MOTOR CONTROLLER AND THE LIKE. NAMEPLATES SHALL DESCRIBE THE NAME AND NUMBER OF EACH COMPONENT.
- 2) CABLE TAGS: TAG EACH CONDUCTOR PASSING THROUGH SPLICE OR PULLBOX WITH A WHITE LINEN TAG, INDICATING POINT OF ORIGIN AND TERMINATION OF THE CIRCUIT.
- 3) INSERTS AND SUPPORTS:
- a. INSERTS: STEEL, SLOTTED TYPE, FACTORY PAINTED. SINGLE ROD: SIMILAR TO GRINNELL FIG. 281. - MULTI-ROD: SIMILAR TO FEE AND MASON SERIES 9000 WITH END CAPS AND CLOSURE STRIPS. - CLIP FORM NAILS FLUSH WITH INSERTS. - MAXIMUM LOADING 75 PERCENT OF RATING.
- b. SUPPORTS FROM BUILDING CONSTRUCTION: INSERTS, BEAM CLAMPS, STEEL FISHPLATES (IN CONCRETE FILL ONLY), CANTILEVER BRACKETS OR OTHER MEANS. SUBMIT FOR REVIEW.
- C. GROUPED LINES AND SERVICES: TRAPEZE HANGERS OF BOLTED ANGLES OR CHANNELS.
- d. WHERE BUILDING CONSTRUCTION IS INADEQUATE: PROVIDE ADDITIONAL FRAMING. SUBMIT FOR REVIEW.
- G. PAINT SHALL BE THE BEST GRADE FOR ITS PURPOSE. DELIVER IN ORIGINAL SEALED CONTAINERS AND APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COLORS SHALL BE AS SELECTED BY ARCHITECT OR ENGINEER. UTILIZE GALVANIZED IRON PRIMER ON PANEL AND PULL BOXES, AFTER FABRICATION. UTILIZE HOT DIPPED GALVANIZED OR DIPPED IN ZINC BASED PRIMER FOR: OUTLET BOXES, JUNCTION BOXES, CONDUIT HANGERS, RODS, INSERTS AND SUPPORTS. ZINC BASED PRIMER WITH FINISH TO MATCH SURROUNDINGS SHALL BE USED FOR MARRED SURFACES OF STEEL EQUIPMENT AND RACEWAYS. A FIELD-APPLIED ZINC BASED PRIME COAT SHALL BE UTILIZED FOR STEEL OR IRONWORK.
- H. BRUSH AND CLEAN WORK PRIOR TO CONCEALING, PAINTING AND ACCEPTANCE. PAINTED EXPOSED WORK SOILED OR DAMAGED; CLEAN AND REPAIR TO MATCH ADJOINING WORK BEFORE FINAL ACCEPTANCE. REMOVE DEBRIS FROM INSIDE AND OUTSIDE OF MATERIAL AND EQUIPMENT.
- I. FINAL LOCATIONS AND MOUNTING ORIENTATIONS OF ALL SWITCHES, RECEPTACLES AND LIGHT FIXTURES SHALL BE VERIFIED WITH ARCHITECT.
- J. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
- 6. LOW-VOLTAGE DISTRIBUTION EQUIPMENT:
- A. PROVIDE COMPLETE EQUIPMENT INCLUDING: SWITCHES, FUSES, CIRCUIT BREAKERS, PANELS AND TRANSFORMERS.
- B. ALL EQUIPMENT SHALL CONFORM TO NEMA, ANSI AND IEEE STANDARDS.
- C. DISCONNECT SWITCHES SHALL BE FUSED OR NONFUSED AS NOTED. VOLTAGE SHALL BE AS REQUIRED. SWITCHES SHALL BE HEAVY DUTY, EXCEPT AS NOTED, AND HORSEPOWER RATED FOR MOTOR LOADS. TOGGLE TYPE SWITCHES SHALL BE NONFUSED, LOAD BREAK, HAVING KNIFE-BLADE TYPE SWITCHES SHALL BE LOAD BREAK, QUICK-MAKE-QUICK- BREAK, UL CLASS R UP TO 600 AMP. MAXIMUM RATING EXCEPT AS NOTED SHALL BE 800 AMP. ARC QUENCHERS SHALL BE PROVIDED. SWITCHES SHALL BE SIMILAR TO GENERAL ELECTRIC QMR. ALL SWITCH ENCLOSURES SHALL BE DEAD FRONT, NEMA TYPE 1, EXCEPT AS NOTED.
- D. FUSES:
- 1) CIRCUIT 601 TO 6000 AMPERES SHALL BE PROTECTED BY FUSES SIMILAR TO CURRENT LIMITING BUSSMANN LOW-PEAK TIME-DELAY FUSES KRP-C (AMP)SP, CLASS L LISTED BY UL WITH AN INTERRUPTING RATING OF 300,000 AMPERES RMS SYMMETRICAL.
- 2) CIRCUITS O TO 600 AMPERES SHALL BE PROTECTED BY FUSES SIMILAR TO CURRENT LIMITING BUSSMAN LOW-PEAK DUAL-ELEMENT TIME-DELAY (AMP)SP (250V) /LPS-RK (AMP)SP (600V) OR LPJ (AMP)SP (600V) (UL LPN-RK CLASS RK1 OR CLASS J), AND BE LISTED BY UL WITH AN INTERRUPTING RATING OF 300,000 AMPERES RMS SYMMETRICAL.
- 3) MOTOR CIRCUITS ALL INDIVIDUAL MOTOR CIRCUITS WITH FULL LOAD AMPERE RATINGS (FLA) OF 480 AMPERES OR LESS SHALL BE PROTECTED BY FUSES SIMILAR TO CURRENT LIMITING BUSSMANN LOW-PEAK DUAL- ELEMENT TIME-DELAY LPN-RK (AMP)SP (250V) /LPS-RK (AMP)SP (600V) OR LPJ (AMP)SP (600V) (UL CLASS RK1 OR CLASS J), AND BE LISTED BY UL WITH AN

E. CIRCUIT BREAKERS: MOLDED CASE BREAKERS SHALL BE THERMAL- MAGNETIC, QUICK-MAKE-QUICK-BREAK, BOLT-ON TYPE, MANUALLY OPERATED WITH INSULATED TRIP-FREE HANDLE. MULTI-POLE TYPE BREAKERS SHALL CONTAIN INTERNAL TRIP BAR. TERMINALS SHALL BE SUITABLE FOR COPPER OR ALUMINUM CABLE. FURNISH AUXILIARY DEVICES WHERE REQUIRED FOR SHUNT-TRIPPING, OPEN AND CLOSE MOTOR OPERATOR AND ALARM INDICATION. ENCLOSURES SHALL BE DEAD FRONT, NEMA TYPE 1, EXCEPT AS NOTED. FRAMES, IC AND INTERCHANGEABLE TRIPS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED: 1) 120 VOLTS, 100-AMP FRAME: 10,000 AMPS, 1 POLE.

2) 240 VOLTS, 100-AMP FRAME: 18,000 AMPS, 2 AND 3 POLES.

INTERCHANGEABLE TRIP.

CIRCUIT-BREAKER TYPE UNLESS OTHERWISE NOTED ON PANEL SCHEDULES. BUS BARS SHALL BE HARD DRAWN COPPER, MINIMUM 98 PERCENT CONDUCTIVITY, SILVER OR TIN-PLATED JOINTS. CABINETS SHALL BE GALVANIZED SHEET STEEL BACK BOX, WITH DOOR AND TRIM AND LAPPED AND WELDED CORNERS. HARDWARE SHALL BE CHROME-PLATED WITH FLUSH LOCK/LATCH HANDLE ASSEMBLY (UP TO 48 IN. HIGH DOORS) OR VAULT HANDLE, LOCK AND 3-POINT CATCH (LARGER THAN 48 IN. HIGH DOORS). HINGES SHALL BE SEMI-CONCEALED, 5-KNUCKLE STEEL WITH NONFERROUS PINS, 180-DEG OPENING, LOCATED A MAXIMUM 26 IN. ON CENTERS. MINIMUM GUTTER SPACES FOR LIGHTING PANELS SHALL BE 5-3/4 IN. SIDES, TOP AND BOTTOM. DIRECTORY HOLDER SHALL BE METAL FRAME WITH CLEAR PLASTIC, TRANSPARENT COVER. A TYPEWRITTEN LIST INDICATING FEEDER CABLE AND CONDUIT SIZE, CIRCUIT NUMBERS, OUTLETS SUPPLIED AND THEIR LOCATIONS SHALL BE PROVIDED.

F. DISTRIBUTION PANELS: SWITCHING UNITS SHALL BE 3 PHASE, 4 WIRE

G. TRANSFORMERS SHALL BE OPEN-VENTILATED, DRY TYPE, CLASS H INSULATION, 115°C TEMPERATURE RISE. WINDINGS SHALL BE COPPER. PRIMARY AND SECONDARY VOLTAGES SHALL BE AS NOTED. PRIMARY TAPS (6-2 1/2% TAPS, 2 ABOVE AND 4 BELOW RATED VOLTAGE) SHALL BE PROVIDED. ADJUST FOR REQUIRED VOLTAGE. HARMONIC CAPABILITY SHALL BE 'K13'.

H. BALANCE THE LOAD OVER PHASES WHEN NEW CIRCUITS ARE ADDED TO NEW OR EXISTING PANELS. PROVIDE MULTI-CABLE LUGS WHERE REQUIRED. DOUBLE LUGGING SHALL NOT BE PERMITTED. MOUNTING HEIGHT SHALL BE A MAXIMUM OF 6 FT-6 IN. FROM FLOOR TO TOP SWITCH UNIT. UPDATE DIRECTORIES ON EXISTING PANELBOARDS WHERE CIRCUITING IS CHANGED.

7. RACEWAYS:

A. PROVIDE RACEWAYS COMPLETE WITH BOXES, FITTINGS AND ACCESSORIES. CONDUIT OR TUBING SIZES REFERRED TO IN SPECIFICATIONS AND ON DRAWINGS ARE NOMINAL DIAMETERS. MINIMUM DIAMETER SHALL BE 3/4 IN.

B. MATERIALS

1) RACEWAYS:

THREADLESS.

d. WIREWAYS: WIRE SHALL BE AS NOTED, MINIMUM NO. 16 GAUGE STEEL WITH GROUND CONTINUITY. FINISH SHALL BE BAKED ENAMEL. COVERS SHALL BE SCREW-ON.

INTERRUPTING RATING OF 300,000 AMPERES RMS SYMMETRICAL.

4) ALL FUSES SHALL BE PROVIDED BY SAME MANUFACTURER.

5) PROVIDE 1 SPACE MATCHING FUSE FOR EACH SET OF 3.

3) 277 VOLTS, 200-AMP FRAME: 50,000 AMPS, 2 AND 3 POLES WITH

4) 277 VOLTS, 100-AMP FRAME: 14,000 AMPS, 1 POLE.

5) 480 VOLTS, 100-AMP FRAME: 20,000 AMPS, 2 AND 3 POLES.

I. TESTS: OPEN AND CLOSE LOAD BREAK SWITCHING DEVICES UNDER LOAD.

a. RIGID STEEL CONDUIT: FULL-WEIGHT PIPE, GALVANIZED, THREADED,

b. ELECTROMETALLIC TUBING (EMT): THIN WALL PIPE, GALVANIZED

c. FLEXIBLE STEEL CONDUIT: CONTINUOUS SINGLE STRIP, GALVANIZED.

e. SURFACE METAL RACEWAY: SIZE AS NOTED. BASE 0.04 IN., COVER 0.25 IN. MATERIAL SHALL BE STEEL. FINISH SHALL BE BAKED ENAMEL. COVERS SHALL BE SCREW-ON.

> THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

BARRY MICHAEL LUDLOW, AIA ARCHITECT

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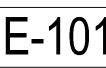
ELECTRICAL SPECIFICATIONS SHEET 1 OF 2

Project No. 15.102.00 Seal

Drawing Title

Date

Scale





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THE DEPORT		

Drawn Bv